

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042919\
 Data File : VD062062.D
 Acq On : 29 Apr 2019 14:58
 Operator : FY/SY
 Sample : VD0429SBS01
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

Quant Time: Apr 29 15:22:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	550961	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	914064	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	761090	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	348402	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	246594	57.19	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	114.38%	
35) Dibromofluoromethane	6.90	113	341120	53.96	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	107.92%	
50) Toluene-d8	10.39	98	821312	54.60	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.20%	
62) 4-Bromofluorobenzene	13.54	95	327727	54.32	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	108.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	94824	19.274	ug/l	96
3) Chloromethane	1.74	50	77127	18.445	ug/l	98
4) Vinyl Chloride	1.84	62	74007	19.528	ug/l	97
5) Bromomethane	2.14	94	20999	18.391	ug/l #	88
6) Chloroethane	2.24	64	28761	20.994	ug/l	94
7) Trichlorofluoromethane	2.52	101	125822	21.958	ug/l	99
8) Diethyl Ether	2.85	74	29595	19.270	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	117640	22.286	ug/l	96
10) Methyl Iodide	3.29	142	121101	18.852	ug/l	94
11) Tert butyl alcohol	4.04	59	27392	112.429	ug/l	99
12) 1,1-Dichloroethene	3.11	96	93806	20.888	ug/l	96
13) Acrolein	3.02	56	24443	96.693	ug/l	97
14) Allyl chloride	3.60	41	129375	21.097	ug/l	93
15) Acrylonitrile	4.17	53	82104	108.829	ug/l	95
16) Acetone	3.20	43	110156	106.988	ug/l	92
17) Carbon Disulfide	3.36	76	246494	18.994	ug/l	100
18) Methyl Acetate	3.62	43	45294	23.093	ug/l	96
19) Methyl tert-butyl Ether	4.21	73	189766	21.297	ug/l	97
20) Methylene Chloride	3.79	84	111972	20.455	ug/l	98
21) trans-1,2-Dichloroethene	4.19	96	101967	19.792	ug/l	96
22) Diisopropyl ether	5.09	45	274639	19.182	ug/l	94
23) Vinyl Acetate	5.02	43	773800	103.782	ug/l	98
24) 1,1-Dichloroethane	4.96	63	172656	19.952	ug/l	98
25) 2-Butanone	6.04	43	134341	107.617	ug/l	98
26) 2,2-Dichloropropane	5.99	77	158832	21.039	ug/l	100
27) cis-1,2-Dichloroethene	6.01	96	120092	20.490	ug/l	94
28) Bromochloromethane	6.42	49	71808	21.687	ug/l	99
29) Tetrahydrofuran	6.44	42	61820	100.507	ug/l	97
30) Chloroform	6.64	83	206298	20.989	ug/l	96
31) Cyclohexane	6.93	56	122813	19.121	ug/l	97
32) 1,1,1-Trichloroethane	6.84	97	177528	20.759	ug/l	97
36) 1,1-Dichloropropene	7.13	75	147112	20.657	ug/l	97
37) Ethyl Acetate	6.15	43	59590	19.636	ug/l #	94
38) Carbon Tetrachloride	7.09	117	189166	20.962	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	144654	20.588	ug/l	98
40) Benzene	7.43	78	354511	20.108	ug/l	98
41) Methacrylonitrile	6.41	41	73065	20.635	ug/l #	94
42) 1,2-Dichloroethane	7.56	62	128800	21.516	ug/l	97
43) Isopropyl Acetate	9.22	43	92580	20.879	ug/l	89
44) Trichloroethene	8.51	130	138977	20.333	ug/l	96
45) 1,2-Dichloropropane	8.92	63	91138	20.377	ug/l	96
46) Dibromomethane	9.04	93	65935	20.487	ug/l	99
47) Bromodichloromethane	9.35	83	157669	20.734	ug/l	97
48) Methyl methacrylate	9.10	41	53878	21.296	ug/l	99
49) 1,4-Dioxane	9.07	88	11643	426.861	ug/l	93
51) 4-Methyl-2-Pentanone	10.29	43	305766	112.756	ug/l	98
52) Toluene	10.49	92	238216	21.191	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	143623	22.501	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	170021	21.900	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	83548	22.138	ug/l	96
56) Ethyl methacrylate	11.02	69	89996	21.531	ug/l	94
57) 1,3-Dichloropropane	11.39	76	127038	21.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	258811	133.179	ug/l	96
59) 2-Hexanone	11.52	43	229359	112.751	ug/l	98
60) Dibromochloromethane	11.67	129	139444	22.330	ug/l	99
61) 1,2-Dibromoethane	11.79	107	97008	21.668	ug/l	100
64) Tetrachloroethene	11.24	164	119068	21.931	ug/l	99
65) Chlorobenzene	12.38	112	310538	21.592	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	127275	20.863	ug/l	98
67) Ethyl Benzene	12.51	91	483897	20.614	ug/l	100
68) m/p-Xylenes	12.66	106	367478	43.314	ug/l	98
69) o-Xylene	13.04	106	171240	22.059	ug/l	100
70) Styrene	13.06	104	289554	21.602	ug/l	99
71) Bromoform	13.23	173	80052	23.017	ug/l #	94
73) Isopropylbenzene	13.40	105	515512	22.181	ug/l	98
74) N-amyl acetate	13.26	43	124302	20.768	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	92601	20.332	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	90508	20.457	ug/l	100
77) Bromobenzene	13.66	156	141202	21.179	ug/l	94
78) n-propylbenzene	13.77	91	584315	21.962	ug/l	97
79) 2-Chlorotoluene	13.83	91	333849	20.716	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	397933	21.473	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	27848	20.771	ug/l	92
82) 4-Chlorotoluene	13.94	91	388659	21.900	ug/l	91
83) tert-Butylbenzene	14.18	119	476257	22.185	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	406695	22.984	ug/l	100
85) sec-Butylbenzene	14.36	105	447978	19.313	ug/l	100
86) p-Isopropyltoluene	14.48	119	382724	18.436	ug/l	92
87) 1,3-Dichlorobenzene	14.45	146	236670	20.271	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	234191	21.449	ug/l	99
89) n-Butylbenzene	14.79	91	407001	21.838	ug/l	99
90) Hexachloroethane	15.00	117	119129	21.222	ug/l	94
91) 1,2-Dichlorobenzene	14.80	146	211841	21.996	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12574	20.339	ug/l	88

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Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
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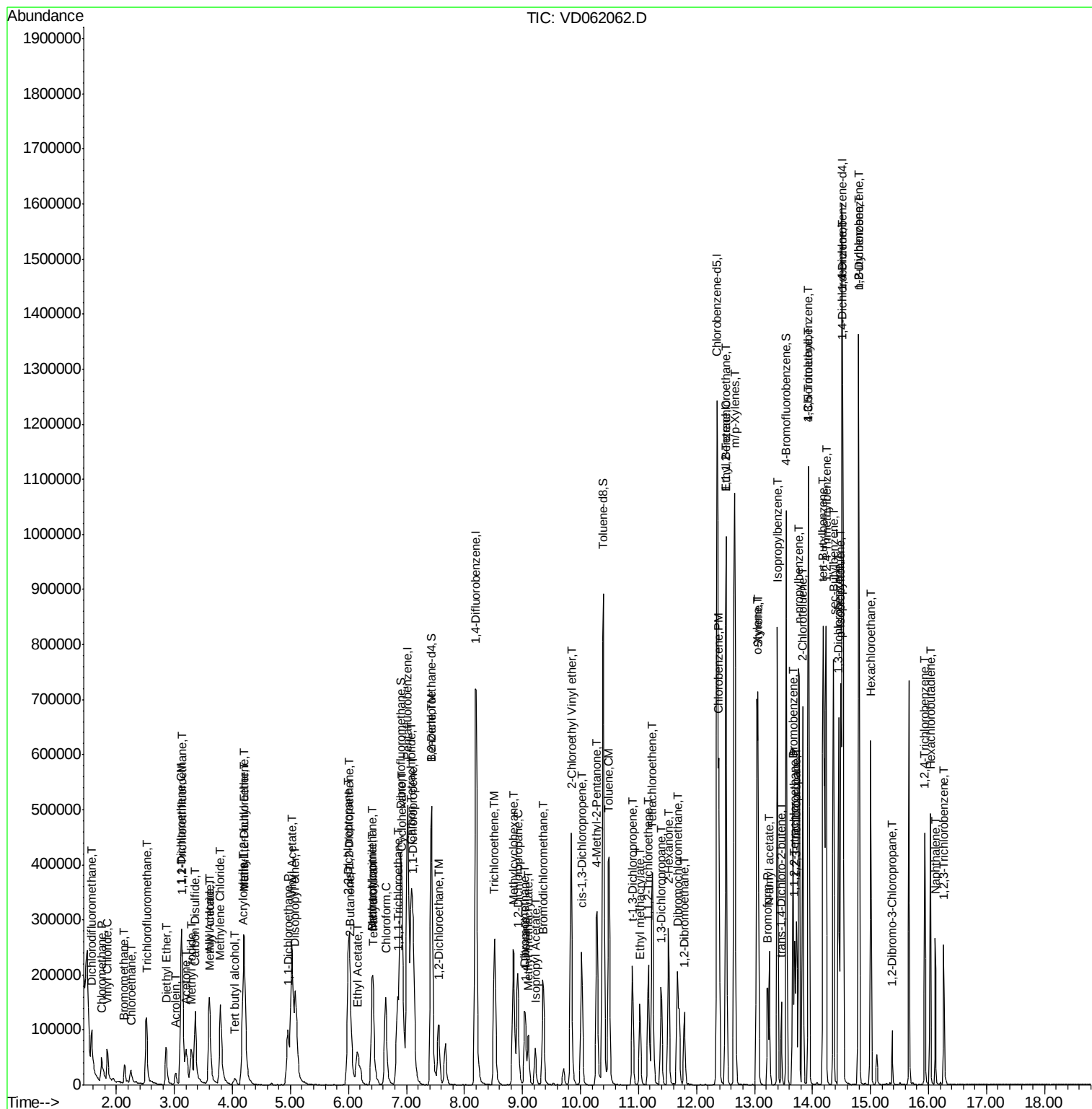
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	110738	21.311	ug/l	96
94) Hexachlorobutadiene	16.04	225	88184	22.932	ug/l	96
95) Naphthalene	16.11	128	173232	20.647	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	63060	21.388	ug/l	98

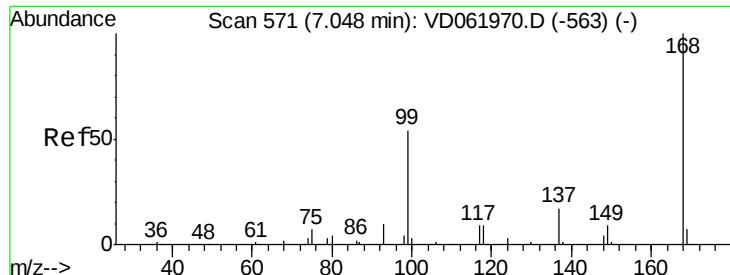
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.02 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

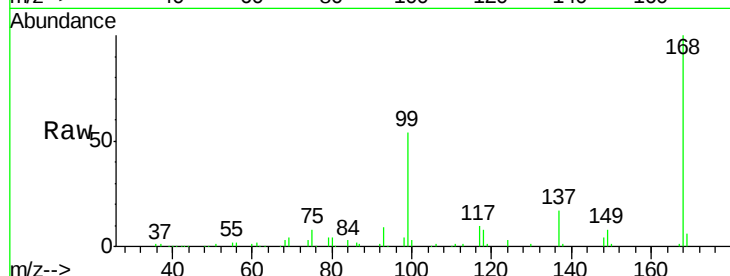
VD0429SBS01

Tot Ion:168 Resp: 550961

Ion Ratio Lower Upper

168 100

99 54.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

200000

150000

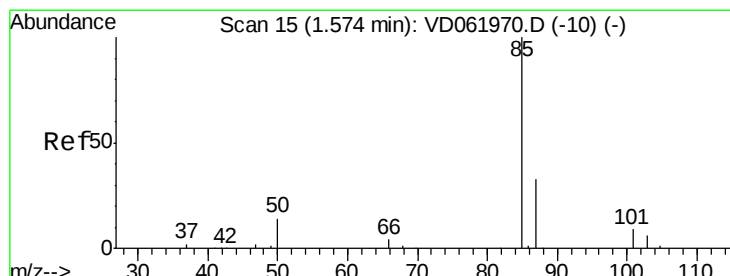
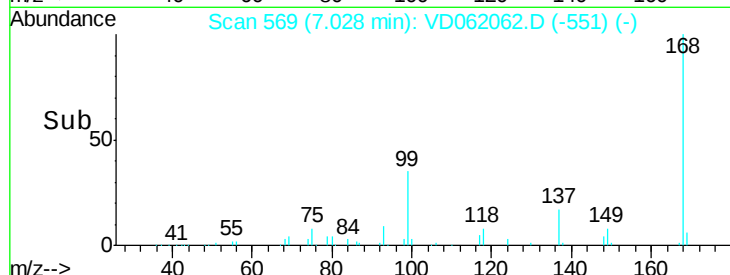
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 19.274 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD062062.D

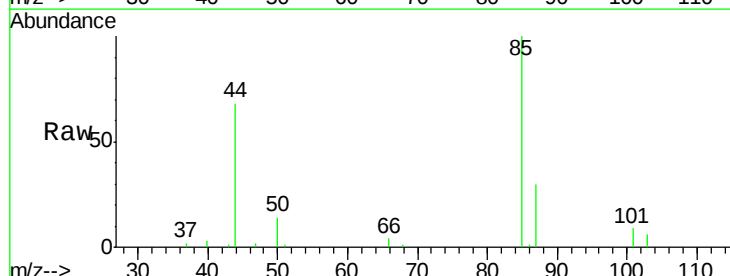
Acq: 29 Apr 2019 14:58

Tgt Ion: 85 Resp: 94824

Ion Ratio Lower Upper

85 100

87 30.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

40000

30000

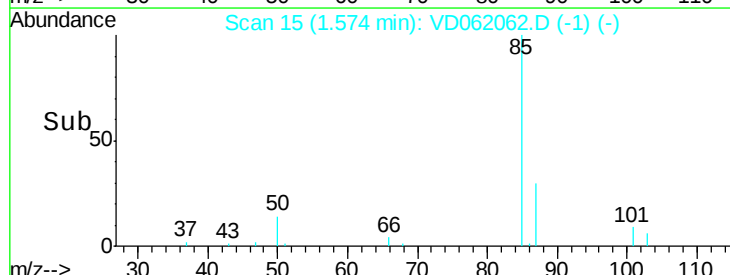
20000

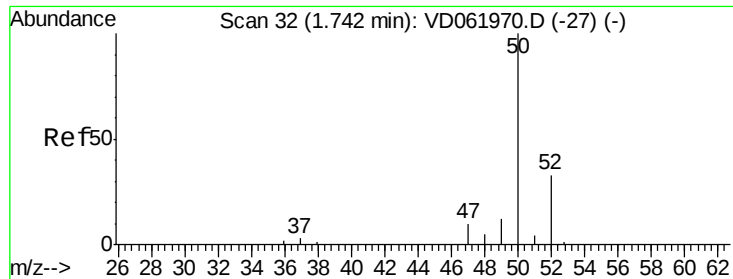
10000

0

1.50 1.60 1.70 1.80

Time-->

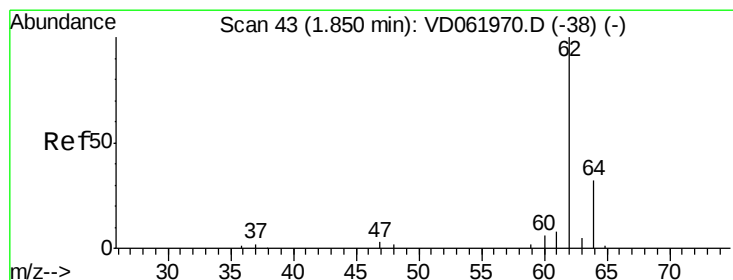
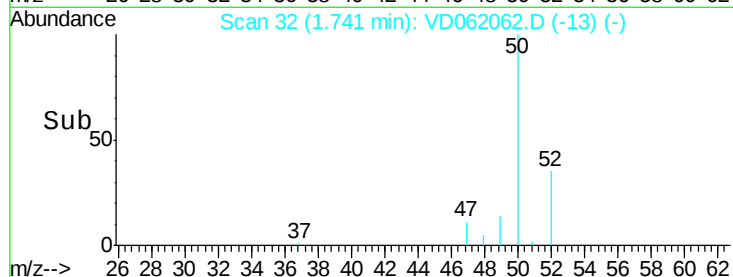
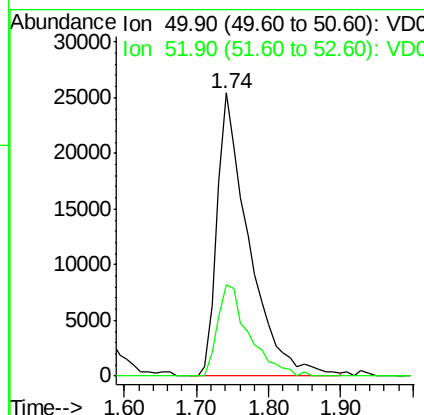
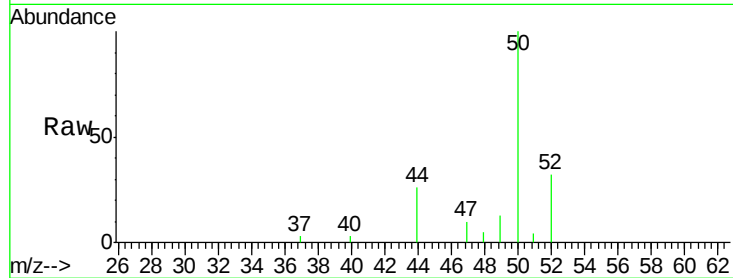




#3
Chloromethane
Concen: 18.445 ug/l
RT: 1.74 min Scan# 32
Delta R.T. -0.01 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

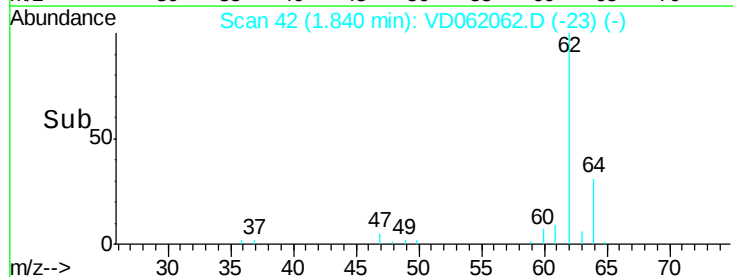
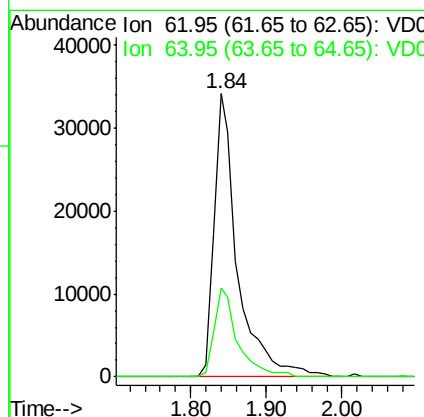
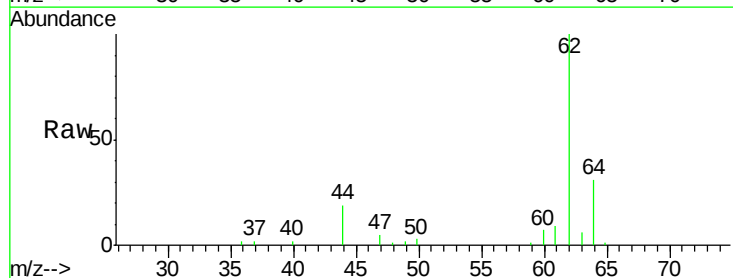
Instrument :
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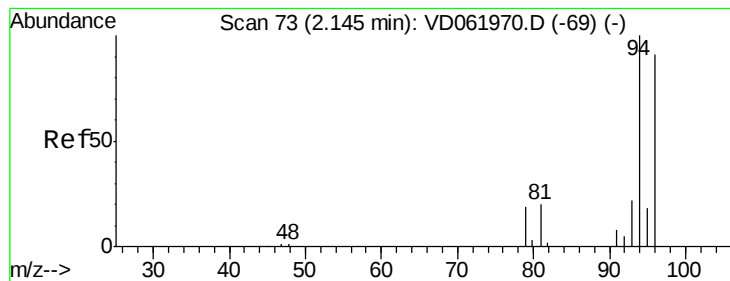
Tot Ion: 50 Resp: 77127
Ion Ratio Lower Upper
50 100
52 32.4 25.2 37.8



#4
Vinyl Chloride
Concen: 19.528 ug/l
RT: 1.84 min Scan# 42
Delta R.T. -0.01 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Tgt Ion: 62 Resp: 74007
Ion Ratio Lower Upper
62 100
64 31.3 26.5 39.7





#5

Bromomethane

Concen: 18.391 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

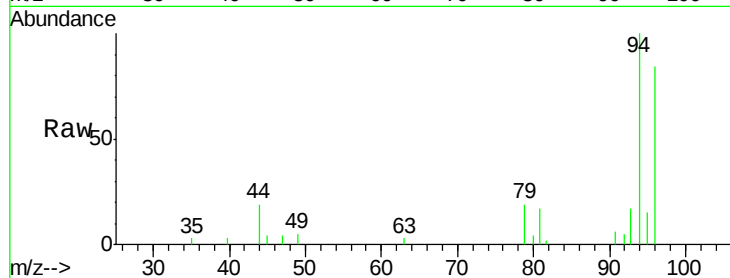
Tot Ion: 94 Resp: 20999

Ion Ratio Lower Upper

94 100

96 83.6 76.6 115.0

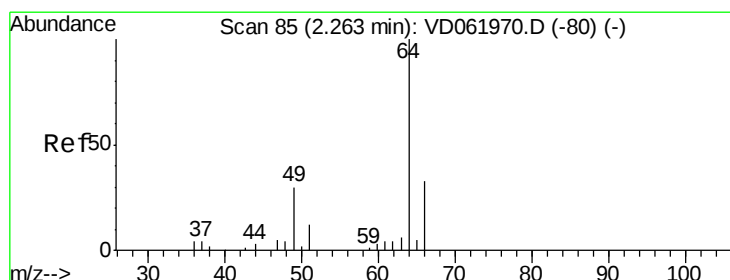
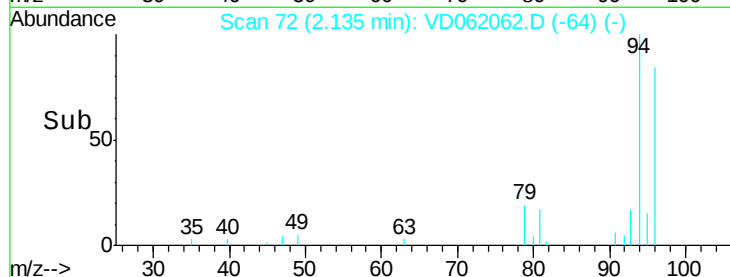
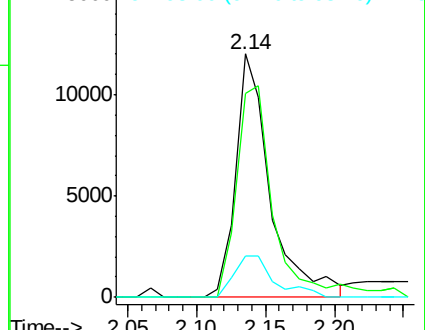
93 17.1 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 20.994 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.03 min

Lab File: VD062062.D

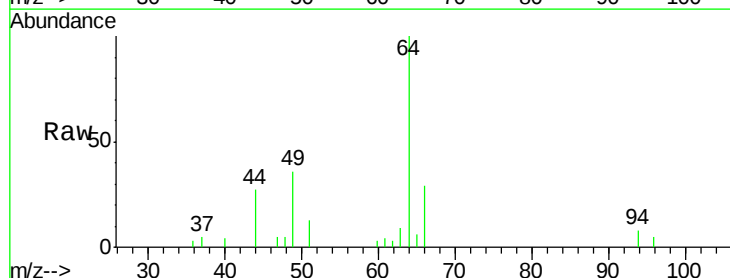
Acq: 29 Apr 2019 14:58

Tgt Ion: 64 Resp: 28761

Ion Ratio Lower Upper

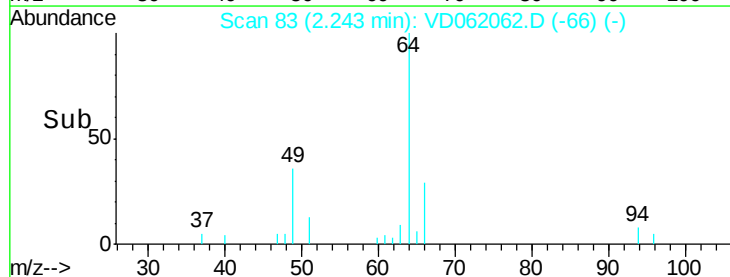
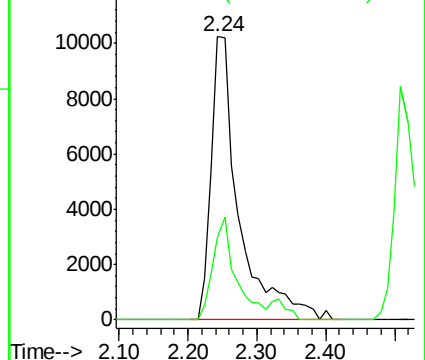
64 100

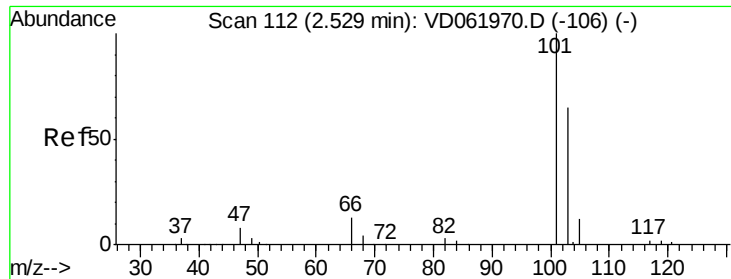
66 28.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



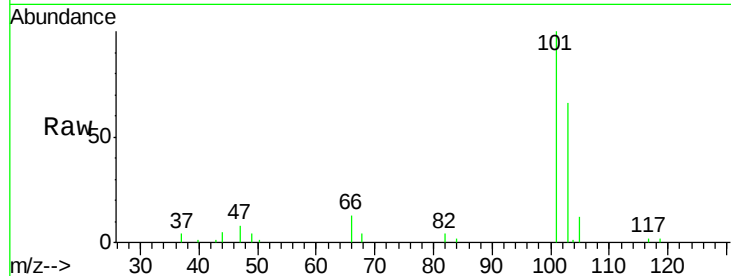


#7

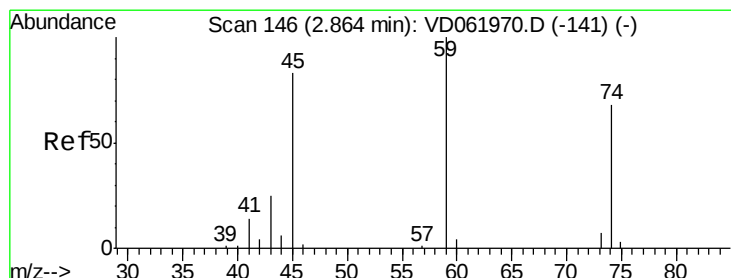
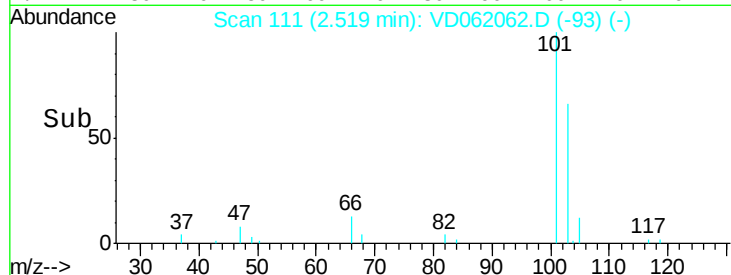
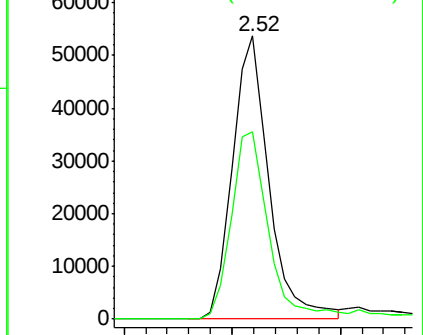
Trichlorofluoromethane
 Concen: 21.958 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Instrument :
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Tot Ion:101 Resp: 125822
 Ion Ratio Lower Upper
 101 100
 103 66.3 53.6 80.4



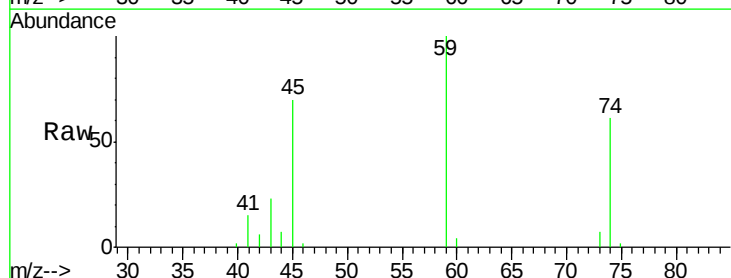
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



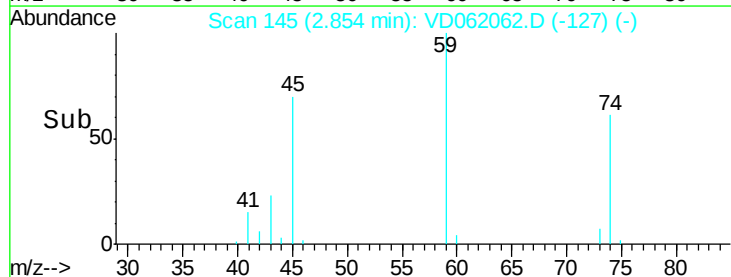
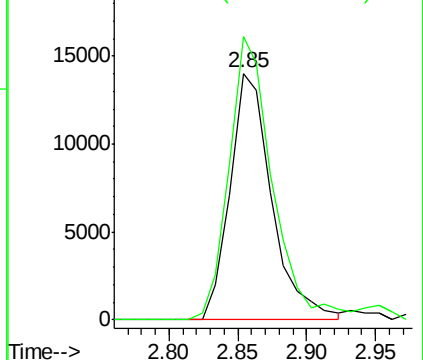
#8

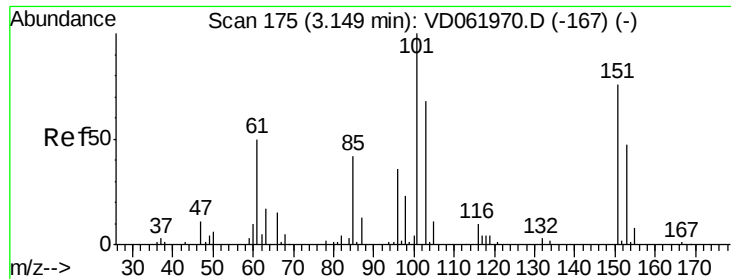
Diethyl Ether
 Concen: 19.270 ug/l
 RT: 2.85 min Scan# 145
 Delta R.T. -0.02 min
 Lab File: VD062062.D
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Tgt Ion: 74 Resp: 29595
 Ion Ratio Lower Upper
 74 100
 45 114.9 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.286 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

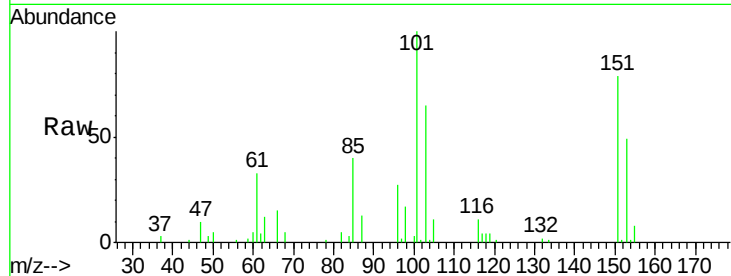
Tot Ion:101 Resp: 117640

Ion Ratio Lower Upper

101 100

85 40.1 32.4 48.6

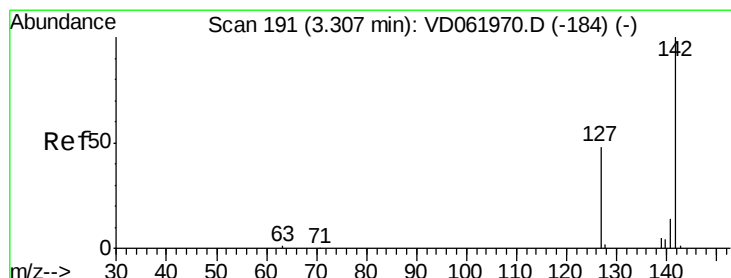
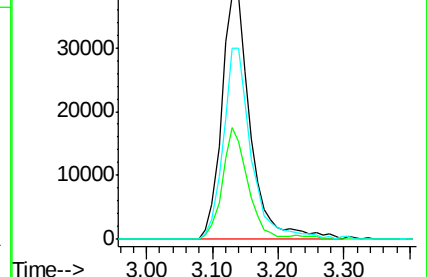
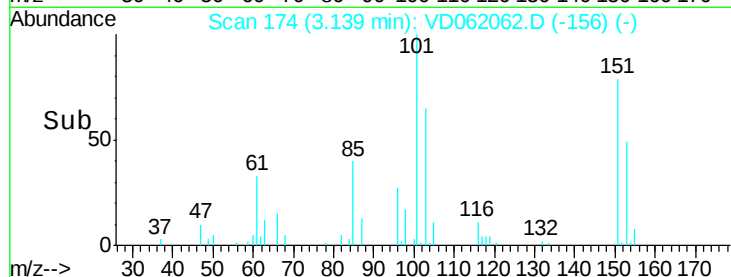
151 78.7 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.852 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.03 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

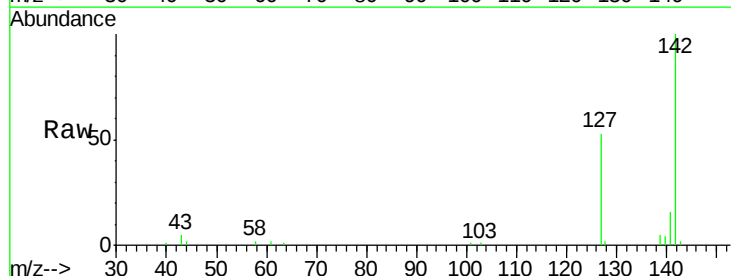
Tgt Ion:142 Resp: 121101

Ion Ratio Lower Upper

142 100

127 52.8 38.8 58.2

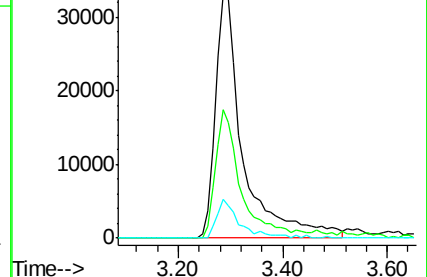
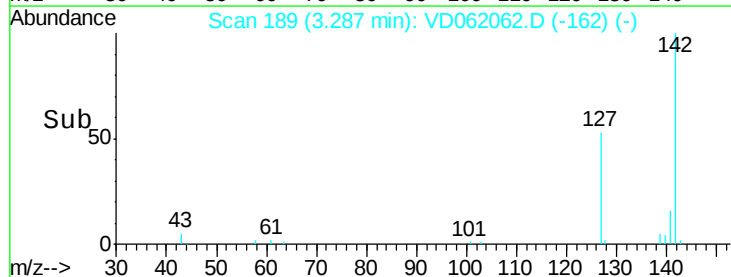
141 15.9 11.4 17.0

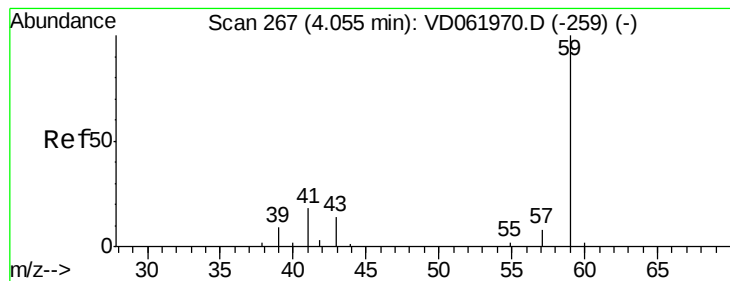


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



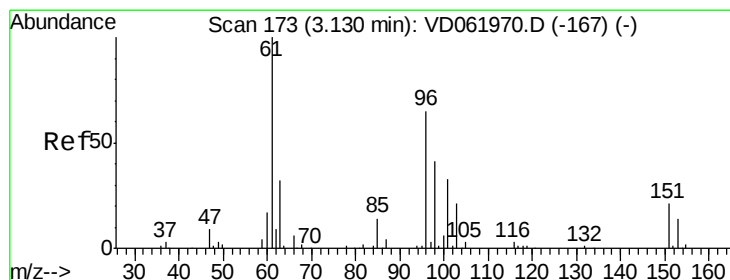
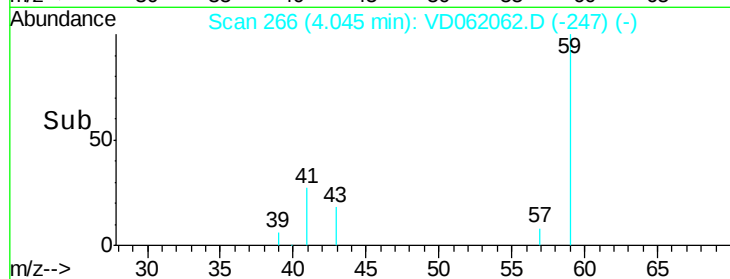
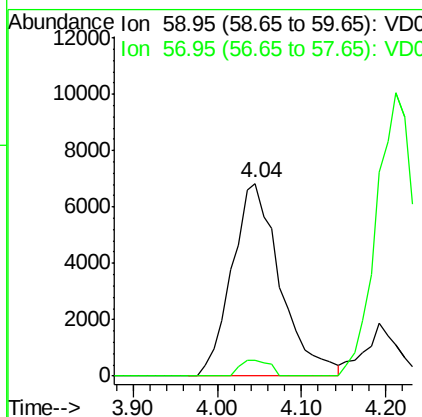
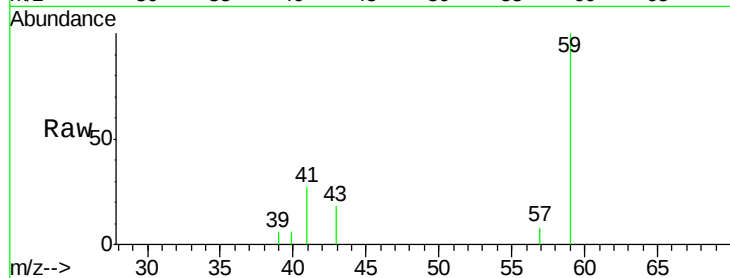


#11

Tert butyl alcohol
 Concen: 112.429 ug/l
 RT: 4.04 min Scan# 266
 Delta R.T. -0.01 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

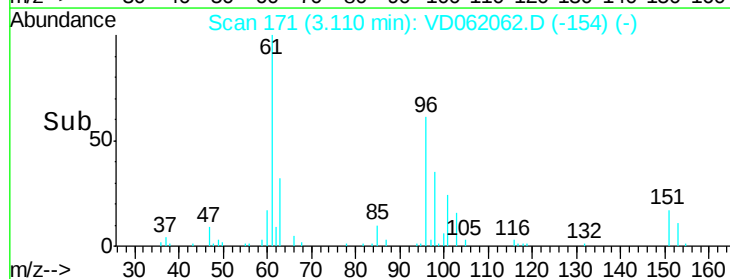
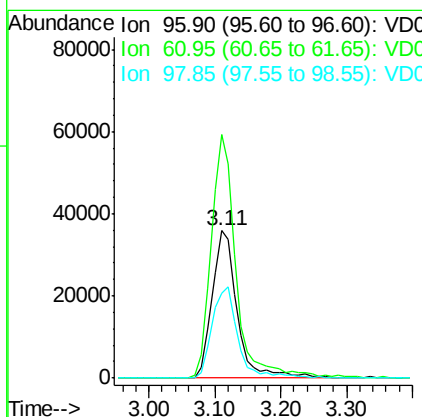
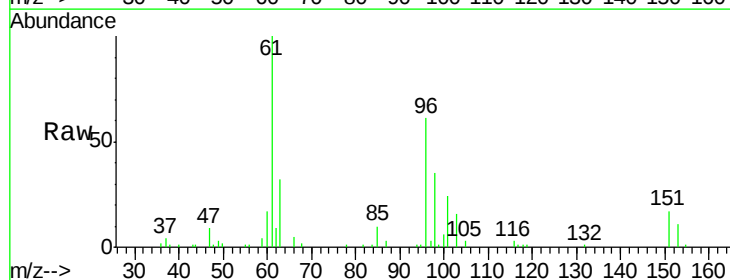
Tot Ion: 59 Resp: 27392
 Ion Ratio Lower Upper
 59 100
 57 8.1 6.9 10.3

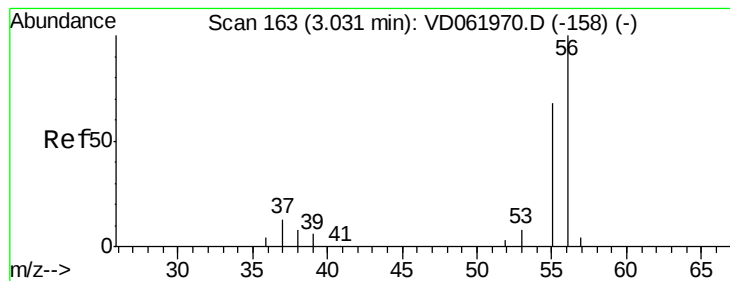


#12

1,1-Dichloroethene
 Concen: 20.888 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.03 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Tgt Ion: 96 Resp: 93806
 Ion Ratio Lower Upper
 96 100
 61 165.2 129.8 194.8
 98 57.4 51.2 76.8





#13

Acrolein

Concen: 96.693 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

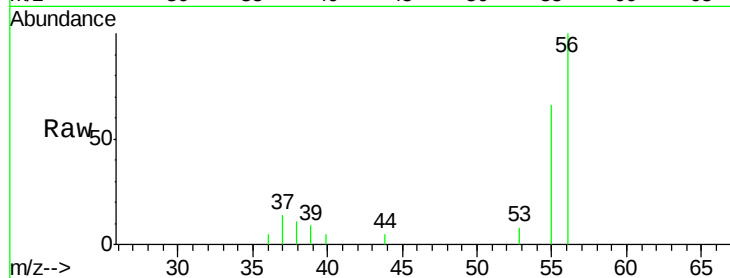
VD0429SBS01

Tot Ion: 56 Resp: 24443

Ion Ratio Lower Upper

56 100

55 66.3 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

12000

10000

8000

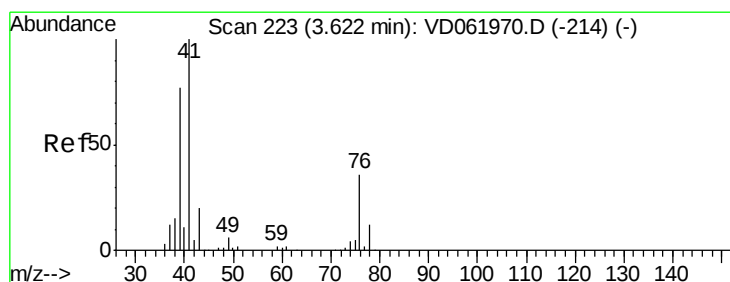
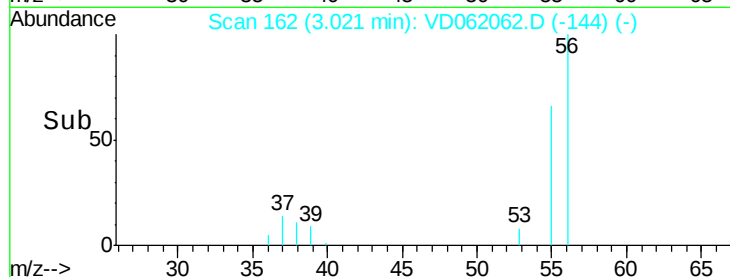
6000

4000

2000

0

Time--> 2.90 3.00 3.10



#14

Allyl chloride

Concen: 21.097 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

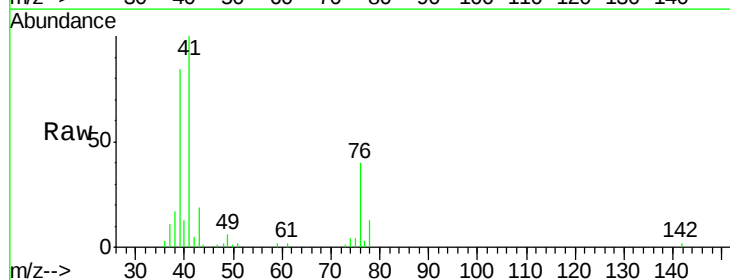
Tgt Ion: 41 Resp: 129375

Ion Ratio Lower Upper

41 100

39 83.9 60.5 90.7

76 40.3 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.60

60000

50000

40000

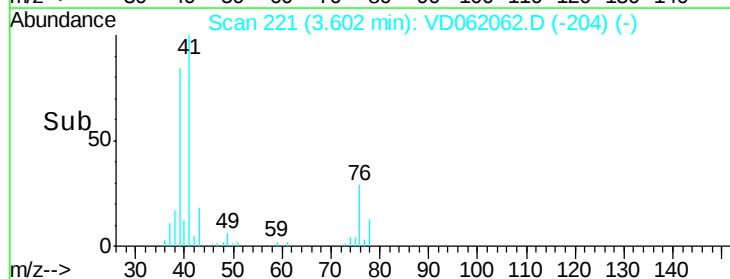
30000

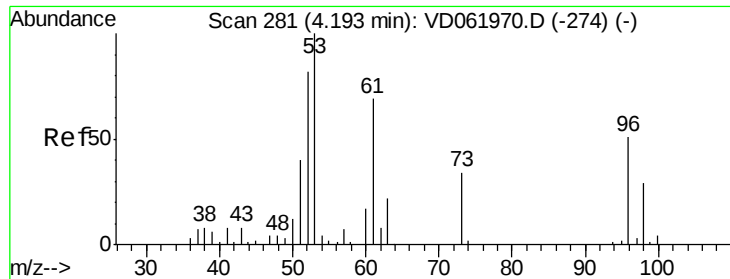
20000

10000

0

Time--> 3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 108.829 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.03 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

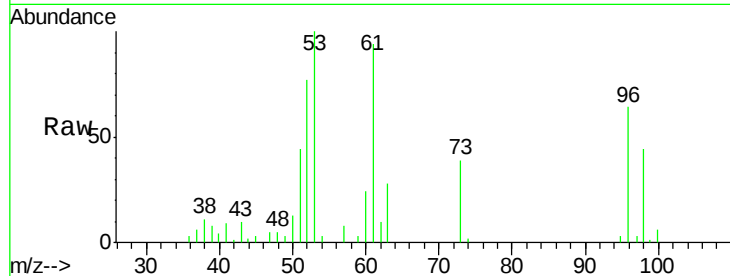
Tot Ion: 53 Resp: 82104

Ion Ratio Lower Upper

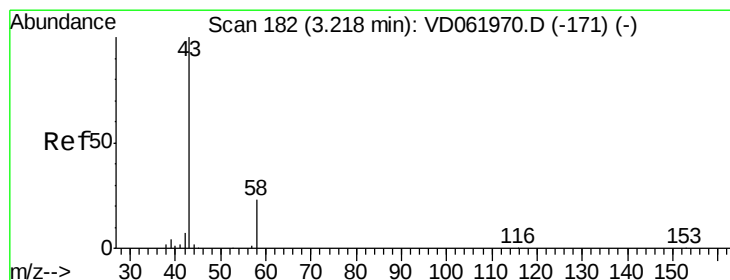
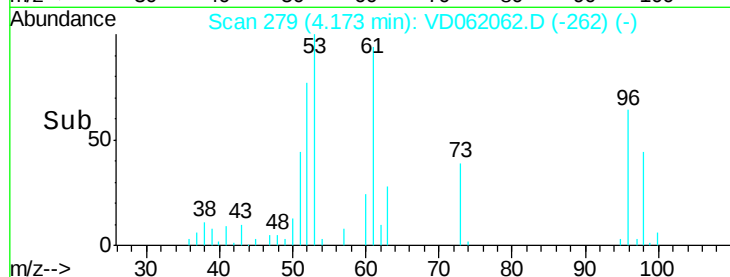
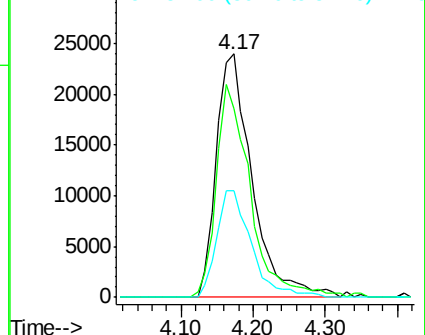
53 100

52 77.3 65.0 97.4

51 44.0 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 106.988 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.02 min

Lab File: VD062062.D

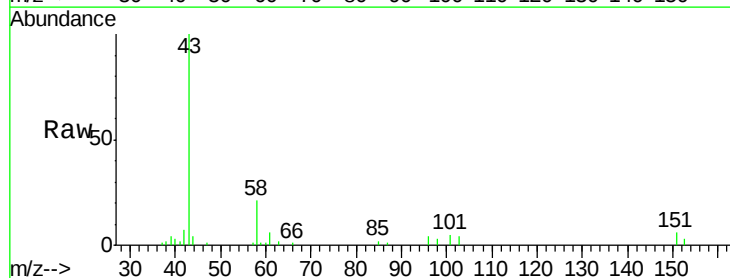
Acq: 29 Apr 2019 14:58

Tgt Ion: 43 Resp: 110156

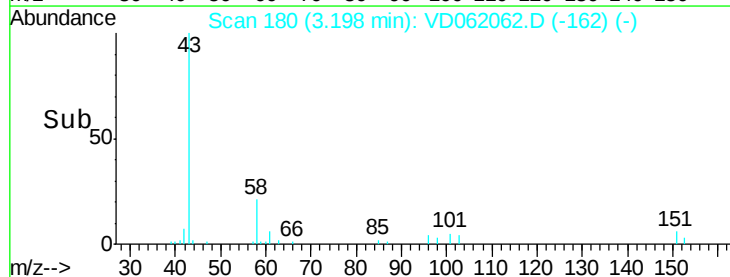
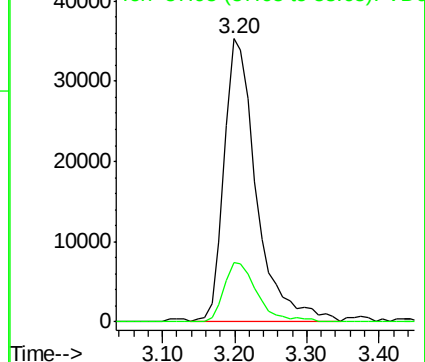
Ion Ratio Lower Upper

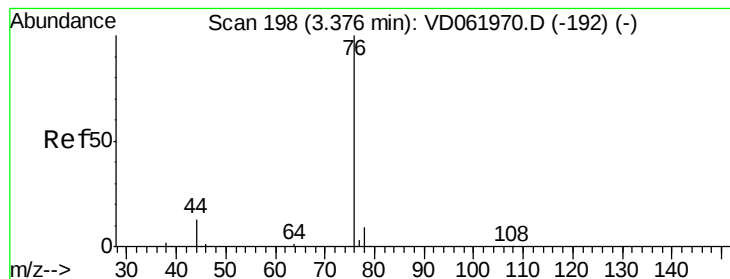
43 100

58 20.9 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 18.994 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.03 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

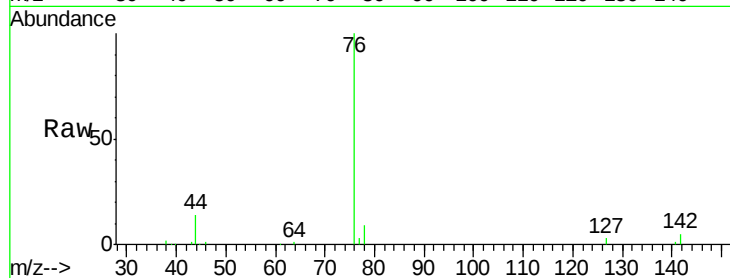
VD0429SBS01

Tot Ion: 76 Resp: 246494

Ion Ratio Lower Upper

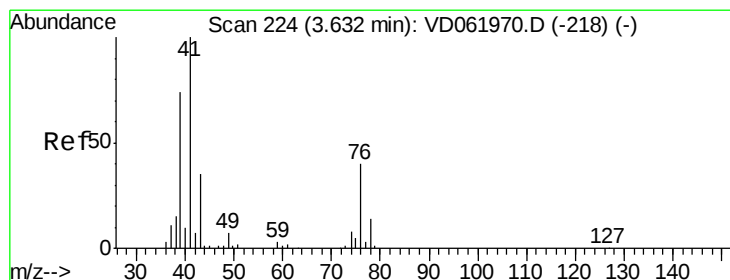
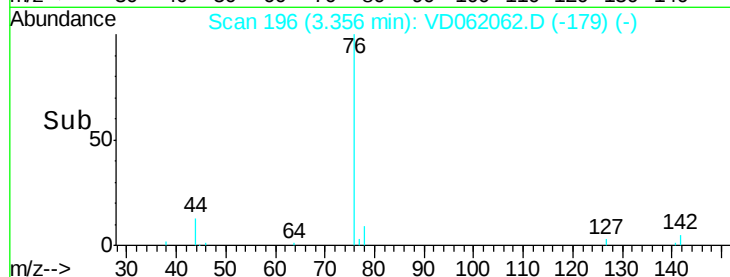
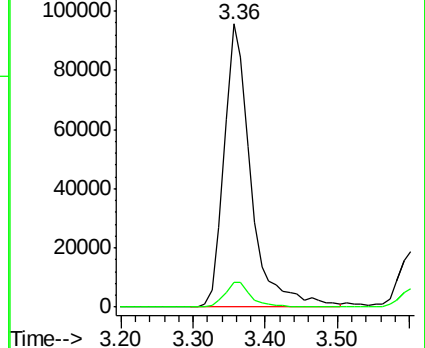
76 100

78 8.9 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 23.093 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD062062.D

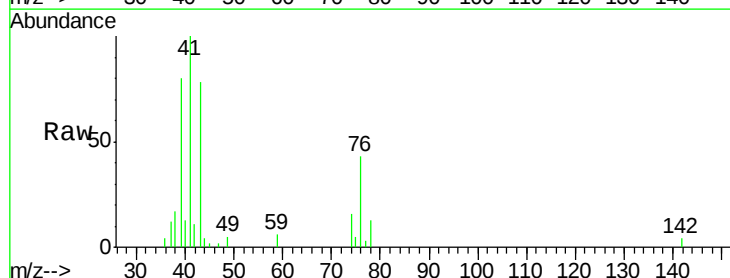
Acq: 29 Apr 2019 14:58

Tgt Ion: 43 Resp: 45294

Ion Ratio Lower Upper

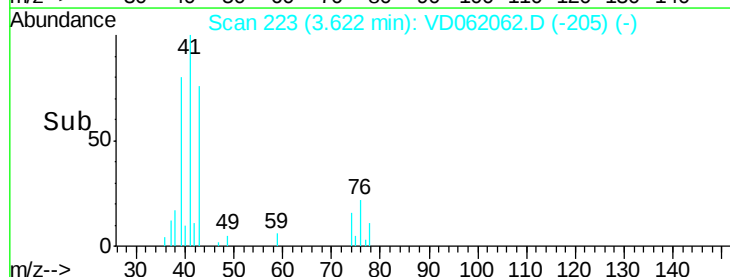
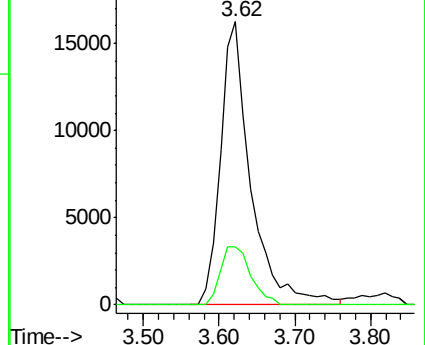
43 100

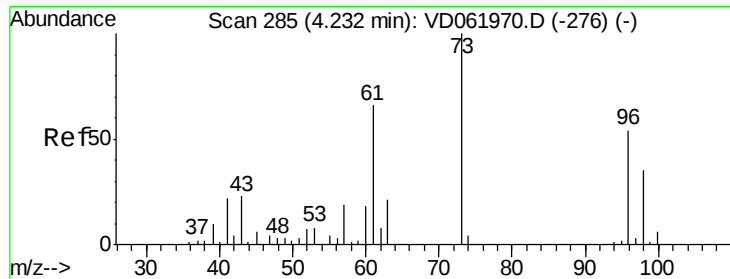
74 20.6 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

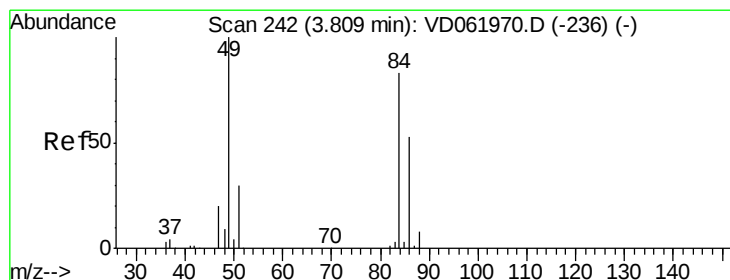
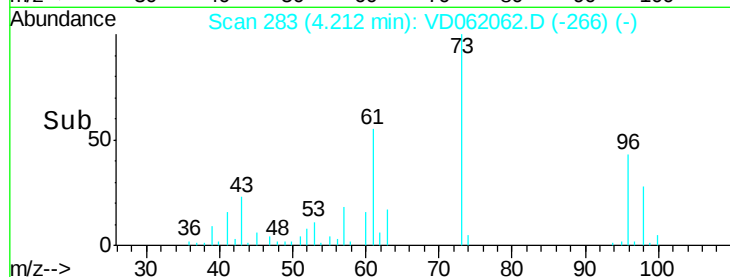
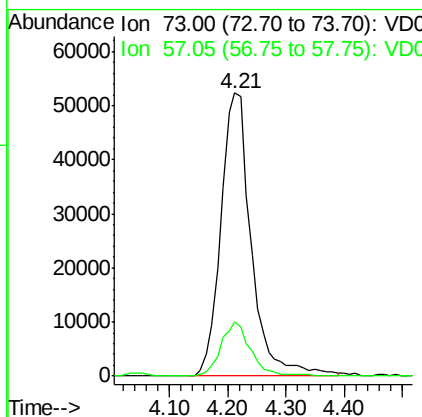
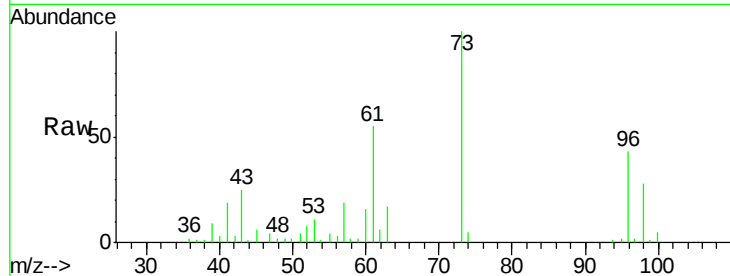




#19
Methvl tert-butvl Ether
Concen: 21.297 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.03 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

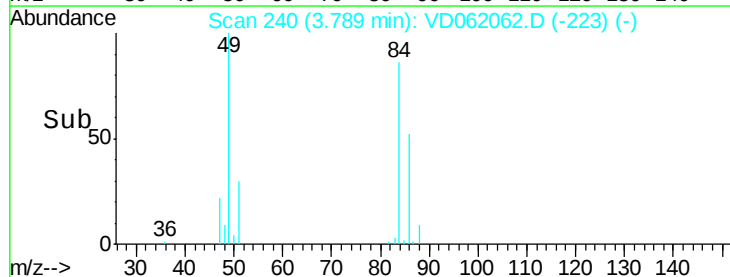
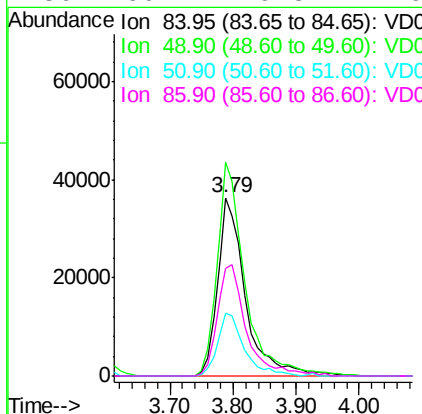
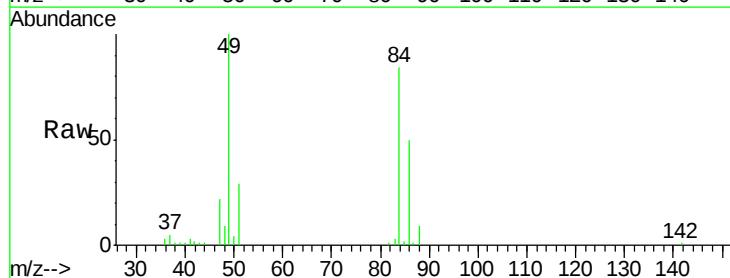
Instrument :
MSVOA_D
ClientSampleId :
VD0429SBS01

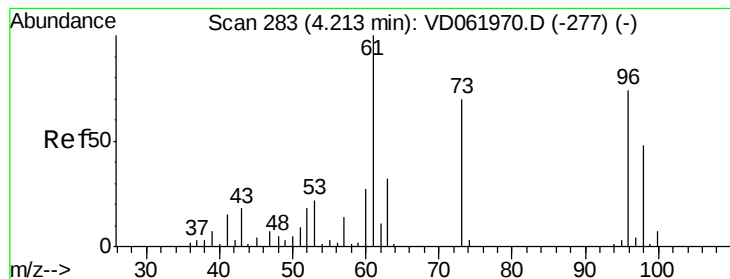
Tot Ion: 73 Resp: 189766
Ion Ratio Lower Upper
73 100
57 19.2 16.3 24.5



#20
Methylene Chloride
Concen: 20.455 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Tgt Ion: 84 Resp: 111972
Ion Ratio Lower Upper
84 100
49 119.7 94.0 141.0
51 34.9 29.0 43.4
86 60.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.792 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.03 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

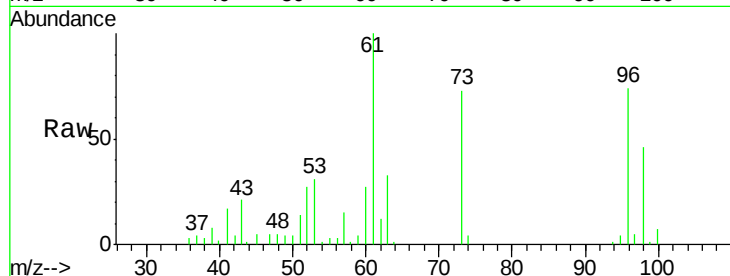
Tot Ion: 96 Resp: 101967

Ion Ratio Lower Upper

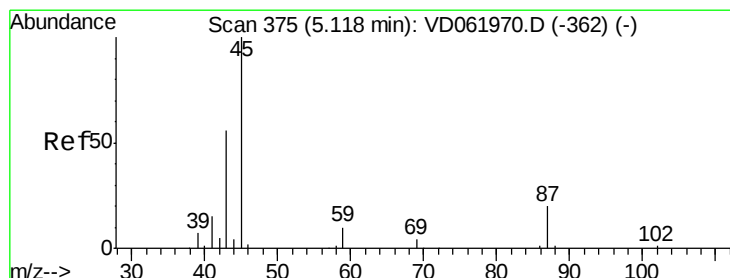
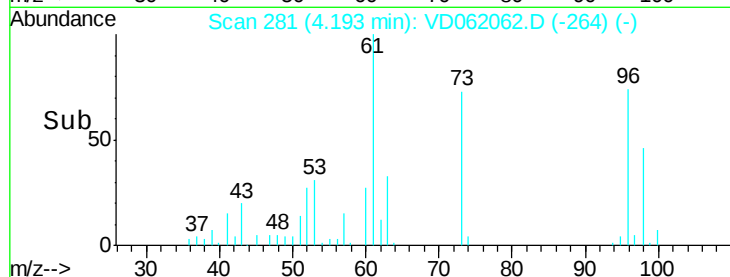
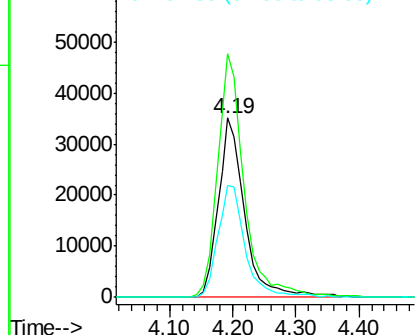
96 100

61 135.7 104.4 156.6

98 62.1 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.182 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.03 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Tgt Ion: 45 Resp: 274639

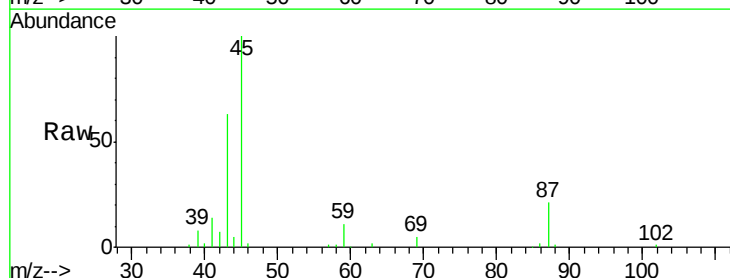
Ion Ratio Lower Upper

45 100

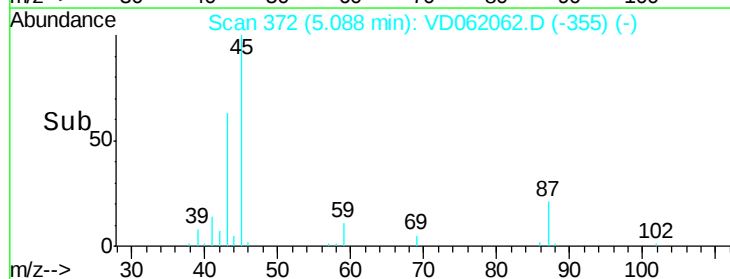
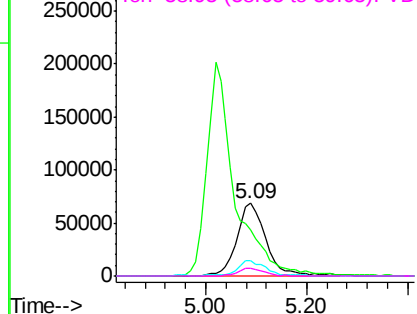
43 63.5 46.2 69.2

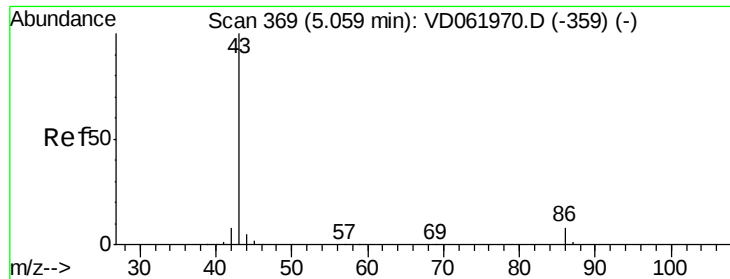
87 21.0 15.9 23.9

59 10.9 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 103.782 ug/l

RT: 5.02 min Scan# 365

Delta R.T. -0.04 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

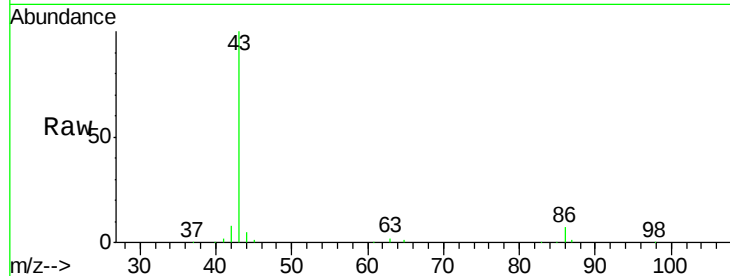
VD0429SBS01

Tot Ion: 43 Resp: 773800

Ion Ratio Lower Upper

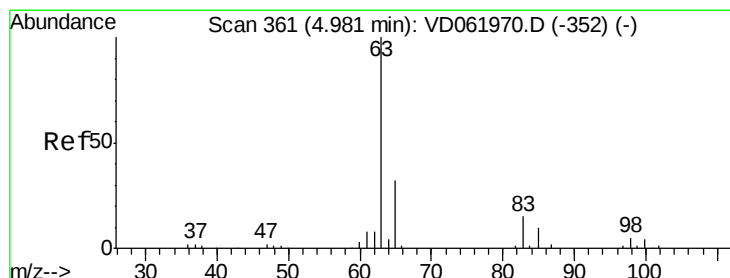
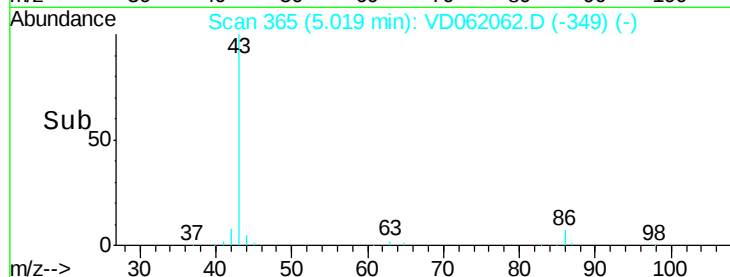
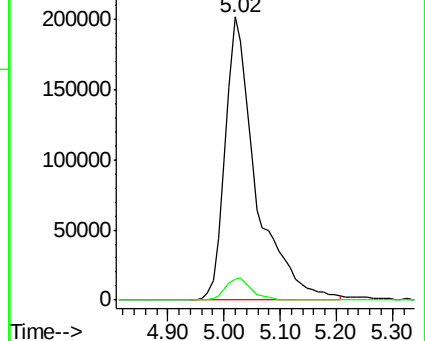
43 100

86 7.4 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.952 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.03 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

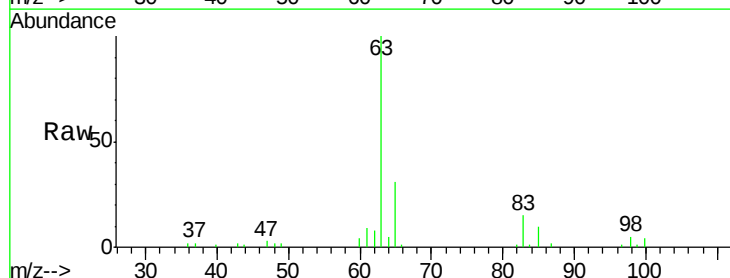
Tgt Ion: 63 Resp: 172656

Ion Ratio Lower Upper

63 100

98 4.7 2.8 8.4

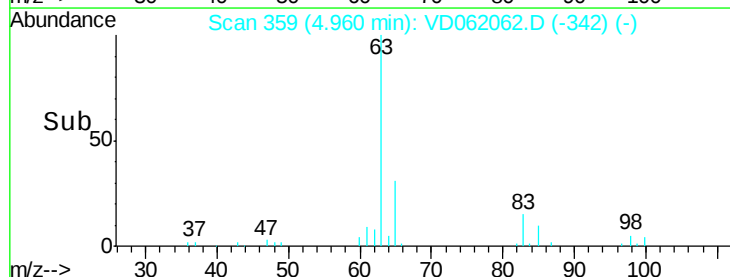
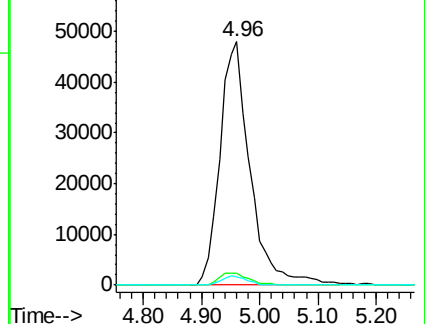
100 3.5 1.8 5.5

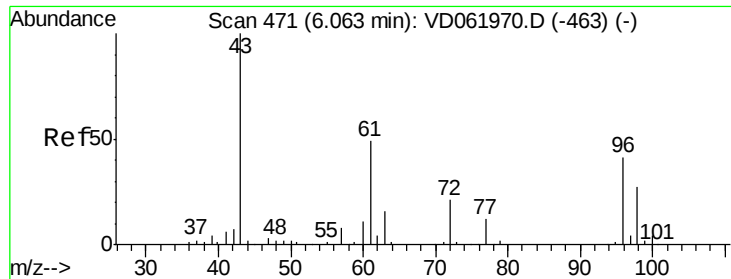


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 107.617 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.03 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

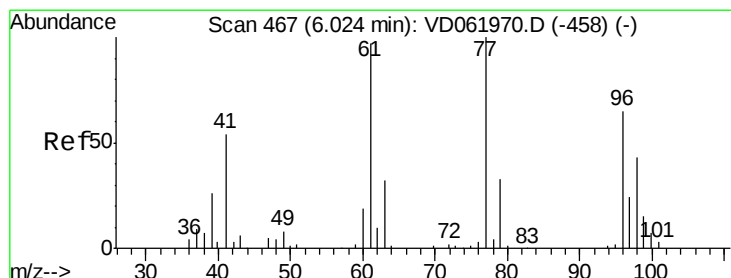
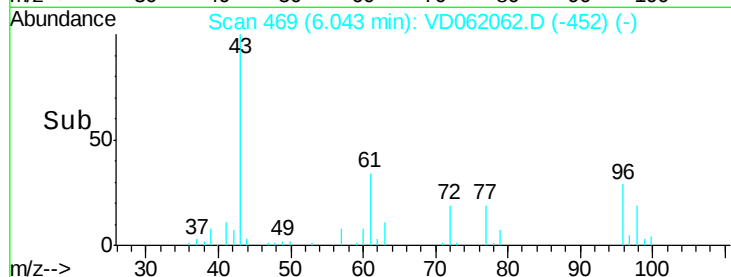
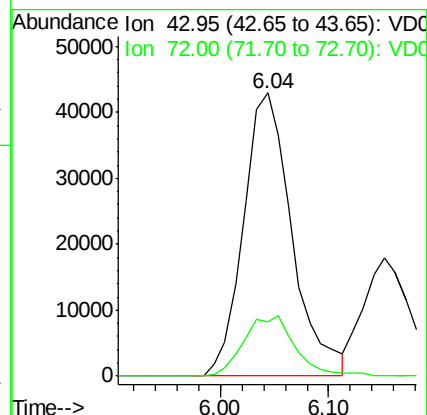
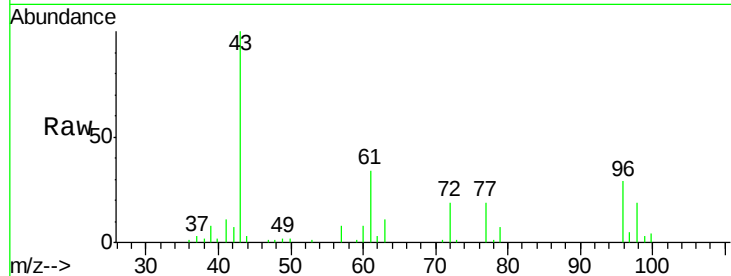
VD0429SBS01

Tot Ion: 43 Resp: 134341

Ion Ratio Lower Upper

43 100

72 19.3 16.2 24.4



#26

2,2-Dichloropropane

Concen: 21.039 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.03 min

Lab File: VD062062.D

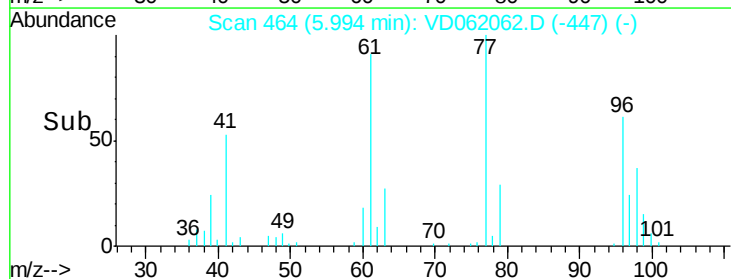
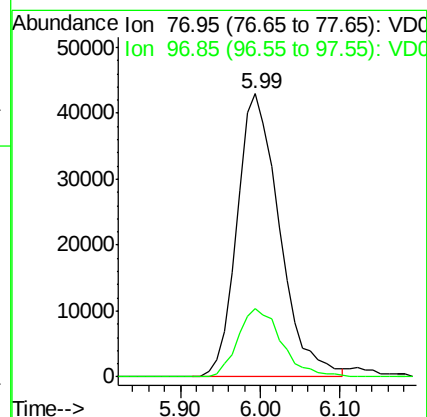
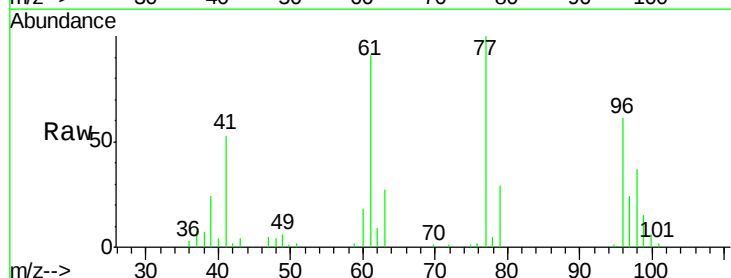
Acq: 29 Apr 2019 14:58

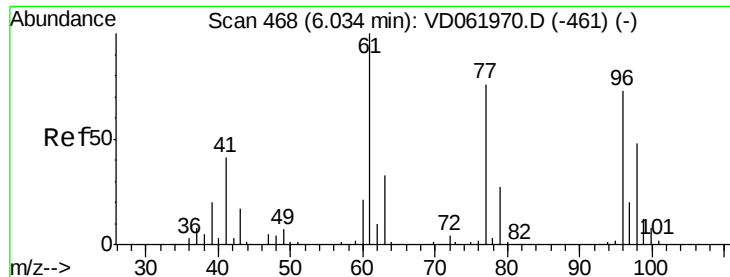
Tgt Ion: 77 Resp: 158832

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.9



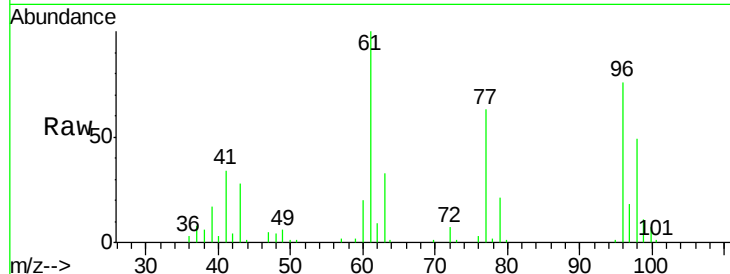


#27

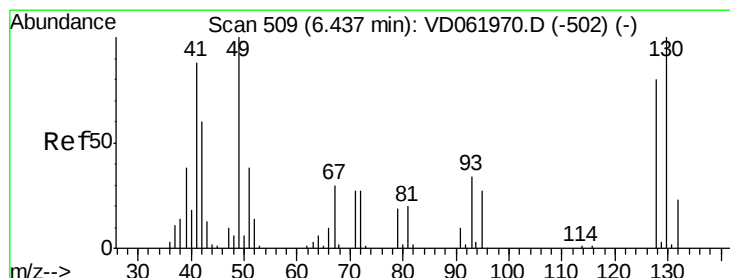
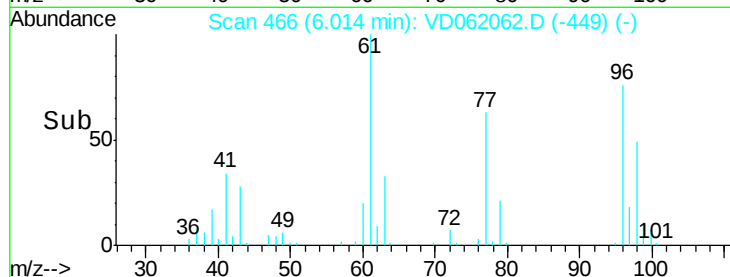
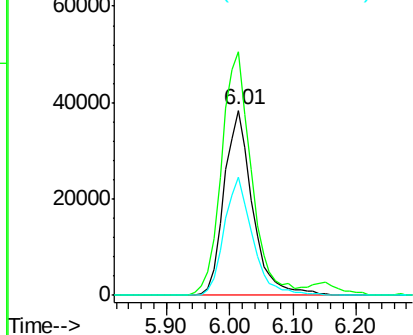
cis-1,2-Dichloroethene
 Concen: 20.490 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.03 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

Tot Ion: 96 Resp: 120092
 Ion Ratio Lower Upper
 96 100
 61 131.4 0.0 279.8
 98 64.1 0.0 136.0



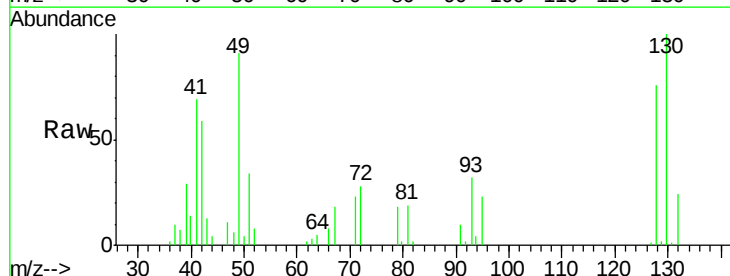
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



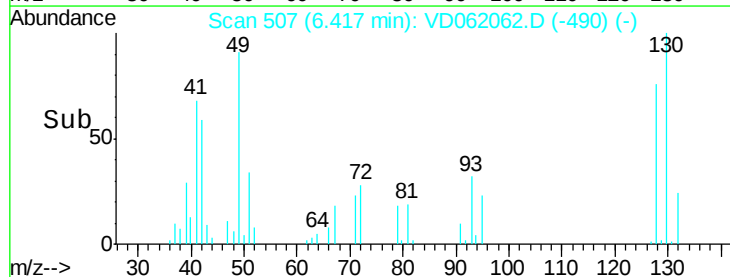
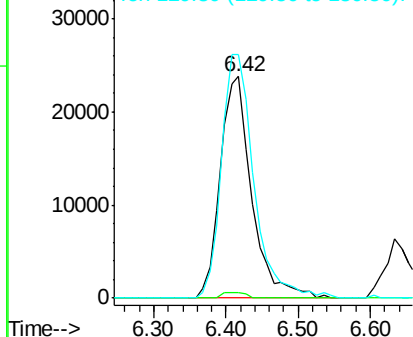
#28

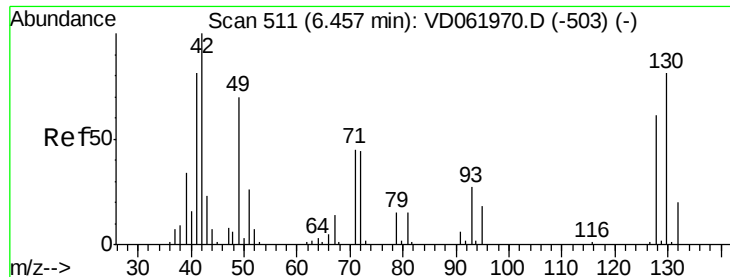
Bromochloromethane
 Concen: 21.687 ug/l
 RT: 6.42 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Tgt Ion: 49 Resp: 71808
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 6.6
 130 109.9 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 100.507 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.02 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

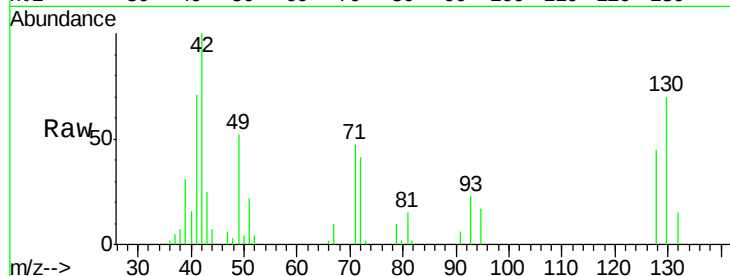
Tot Ion: 42 Resp: 61820

Ion Ratio Lower Upper

42 100

72 45.3 37.8 56.6

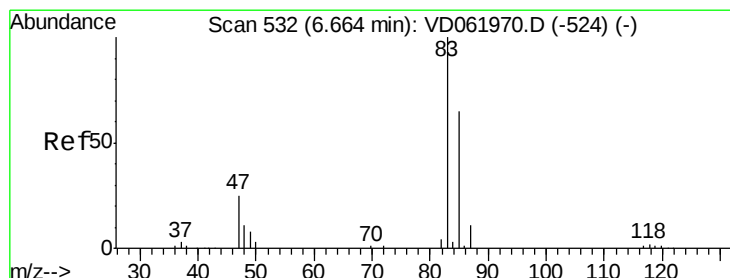
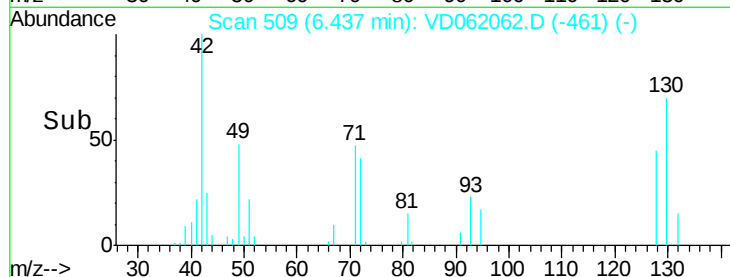
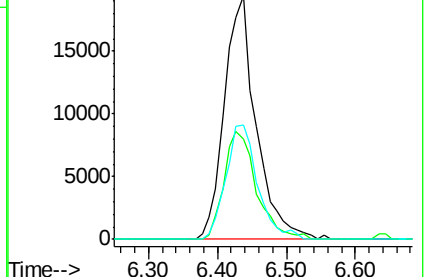
71 47.3 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.989 ug/l

RT: 6.64 min Scan# 530

Delta R.T. -0.03 min

Lab File: VD062062.D

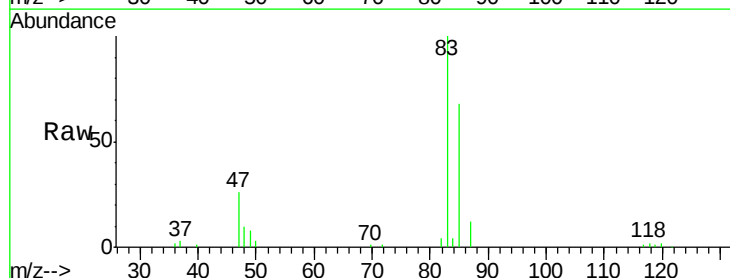
Acq: 29 Apr 2019 14:58

Tgt Ion: 83 Resp: 206298

Ion Ratio Lower Upper

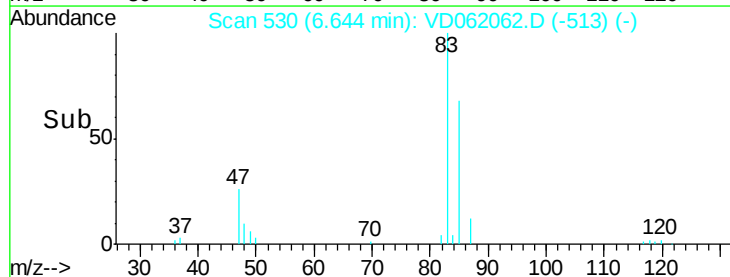
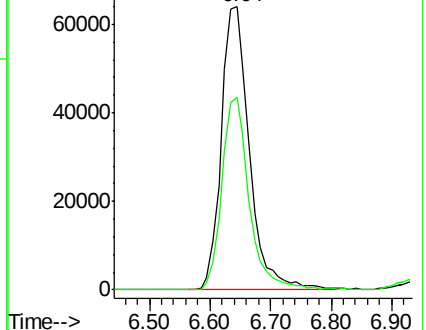
83 100

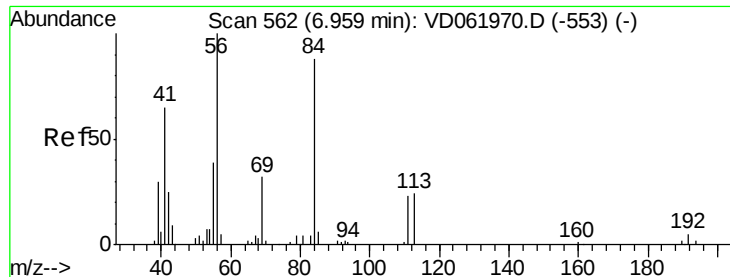
85 68.0 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

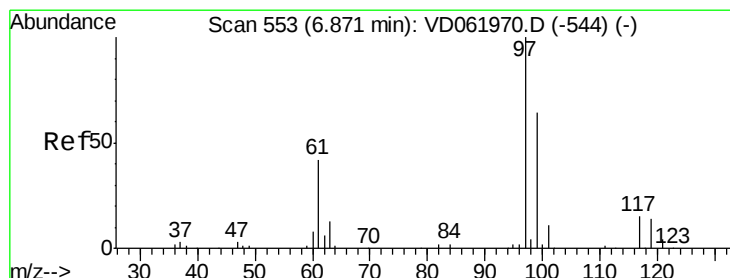
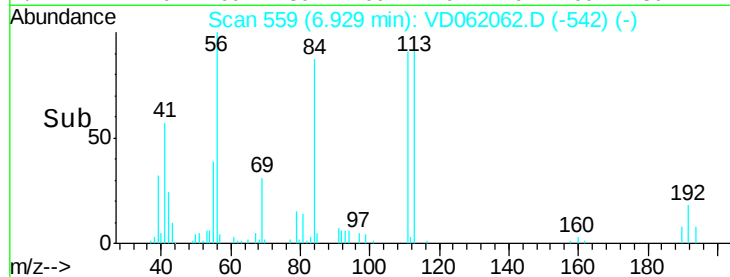
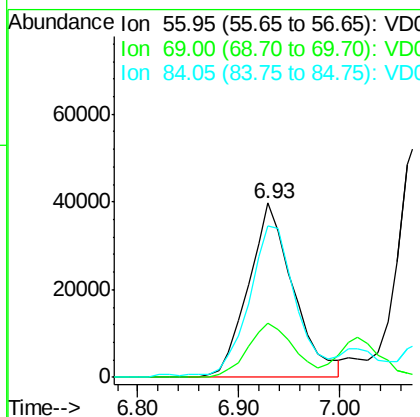
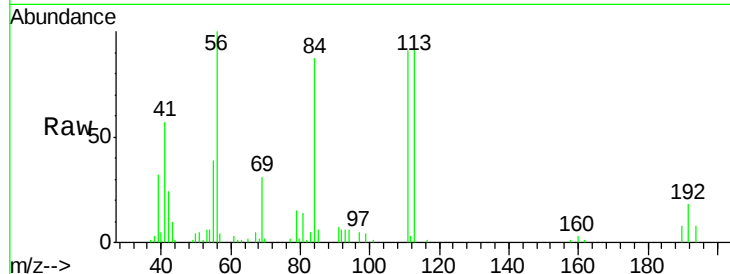




#31
Cyclohexane
Concen: 19.121 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.03 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

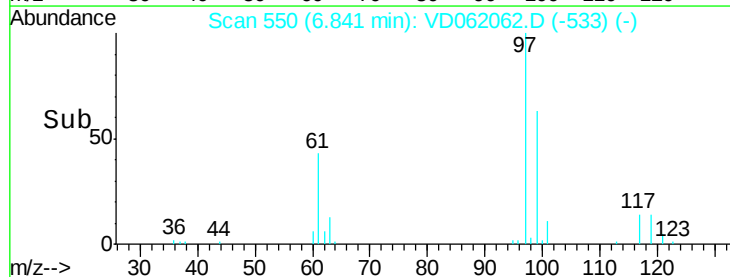
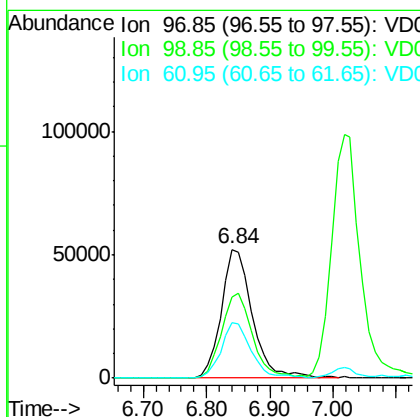
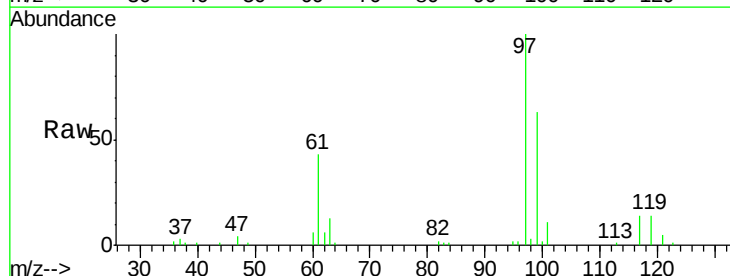
Instrument :
MSVOA_D
ClientSampleId :
VD0429SBS01

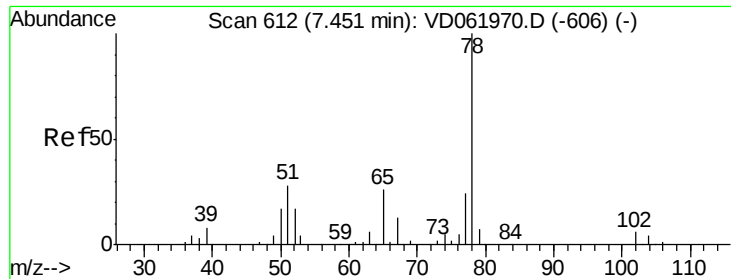
Tot Ion: 56 Resp: 122813
Ion Ratio Lower Upper
56 100
69 30.9 25.8 38.6
84 87.3 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 20.759 ug/l
RT: 6.84 min Scan# 550
Delta R.T. -0.03 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Tgt Ion: 97 Resp: 177528
Ion Ratio Lower Upper
97 100
99 62.9 52.2 78.2
61 43.3 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 57.186 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.02 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

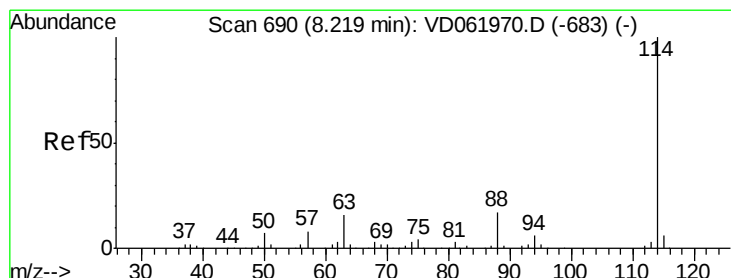
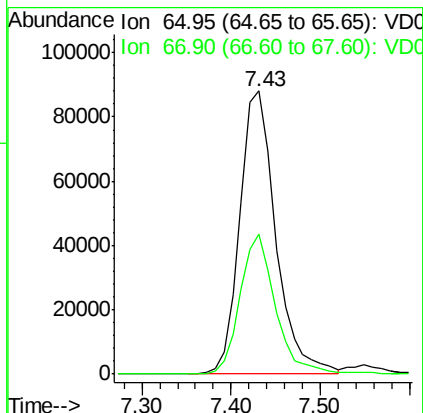
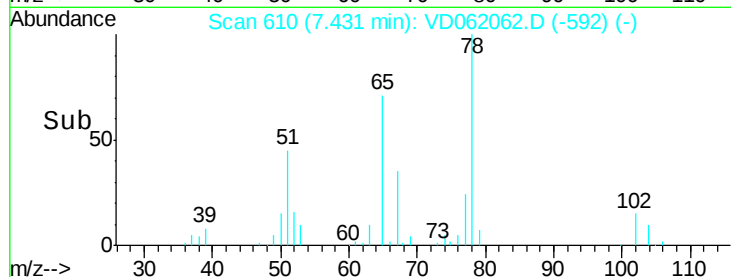
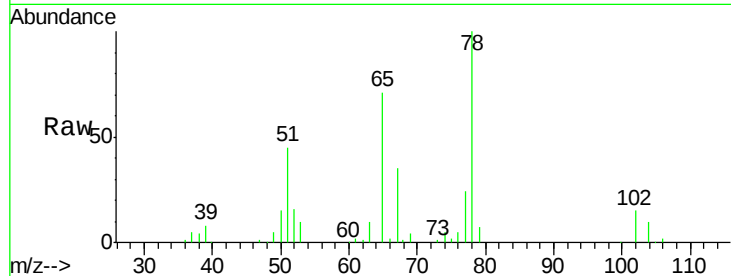
VD0429SBS01

Tot Ion: 65 Resp: 246594

Ion Ratio Lower Upper

65 100

67 49.6 0.0 98.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.02 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

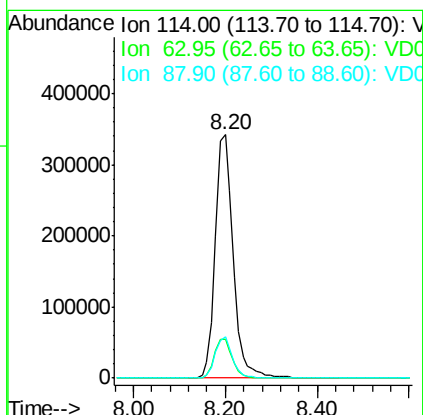
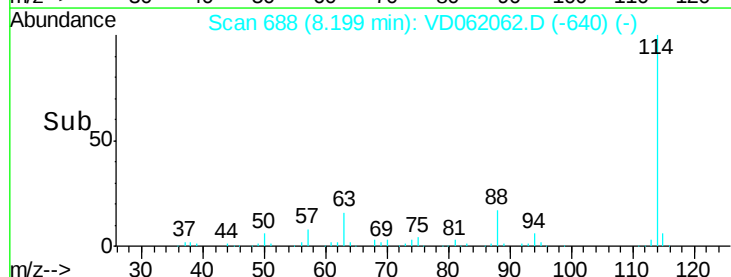
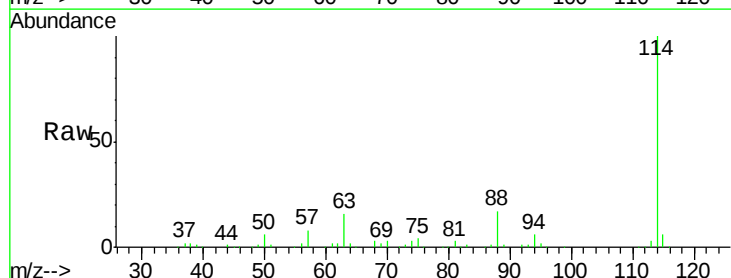
Tgt Ion: 114 Resp: 914064

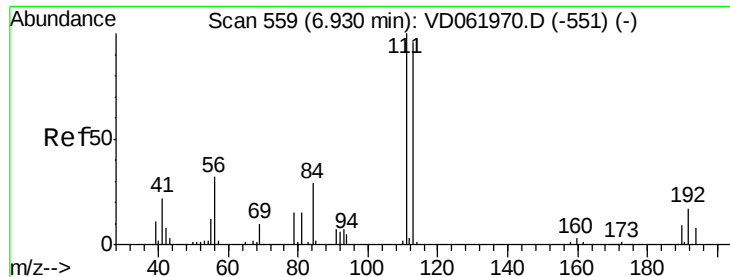
Ion Ratio Lower Upper

114 100

63 16.0 0.0 32.4

88 16.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 53.961 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

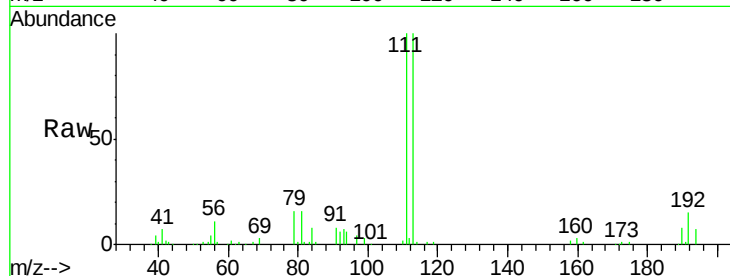
Tot Ion:113 Resp: 341120

Ion Ratio Lower Upper

113 100

111 100.2 78.5 117.7

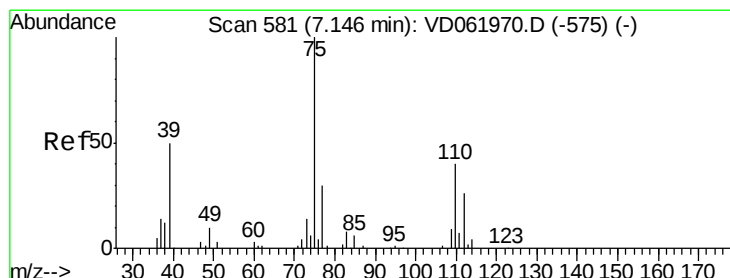
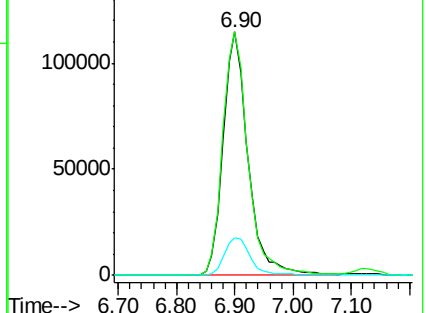
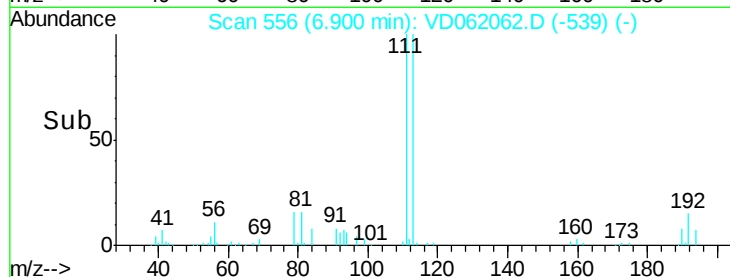
192 15.4 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.657 ug/l

RT: 7.13 min Scan# 579

Delta R.T. -0.02 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

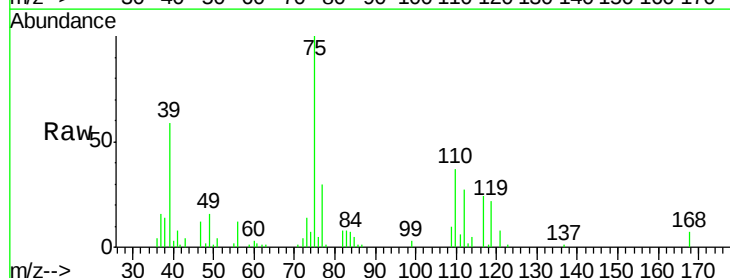
Tgt Ion: 75 Resp: 147112

Ion Ratio Lower Upper

75 100

110 36.8 19.1 57.1

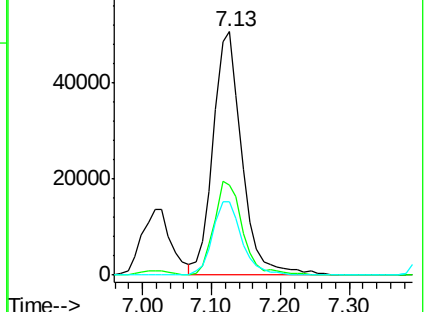
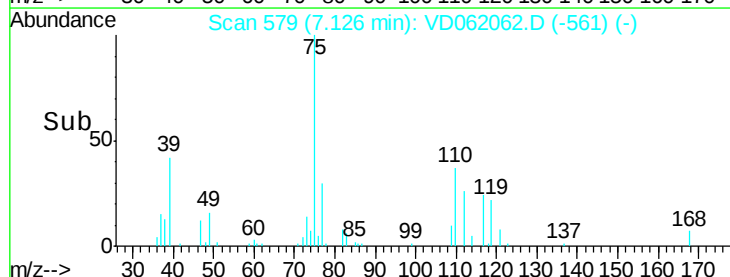
77 30.3 25.6 38.4

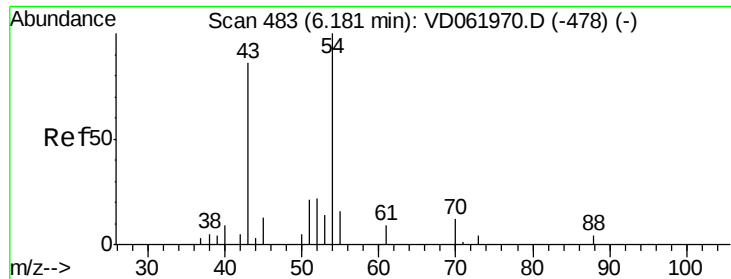


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

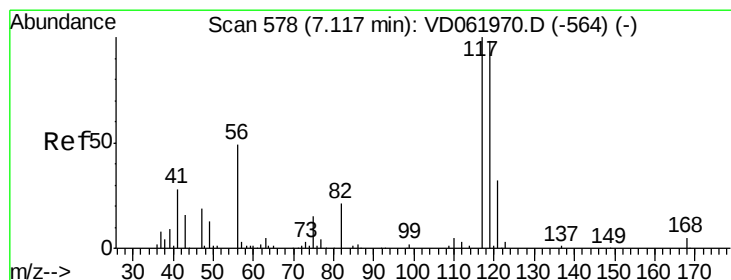
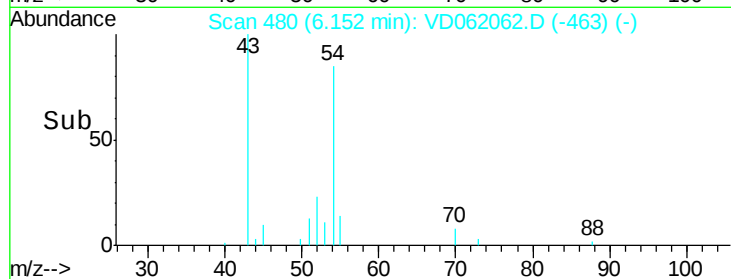
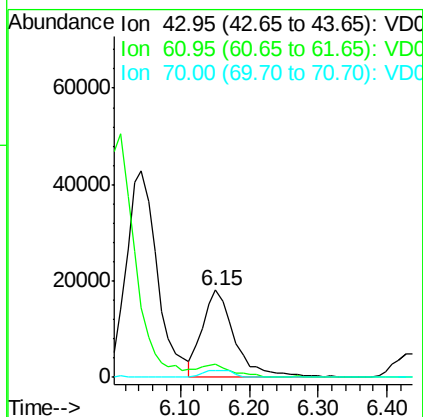
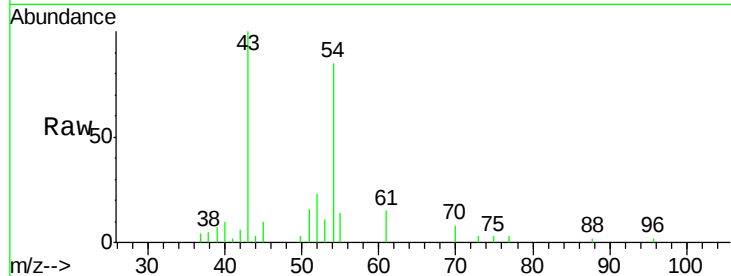




#37
Ethyl Acetate
Concen: 19.636 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.03 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

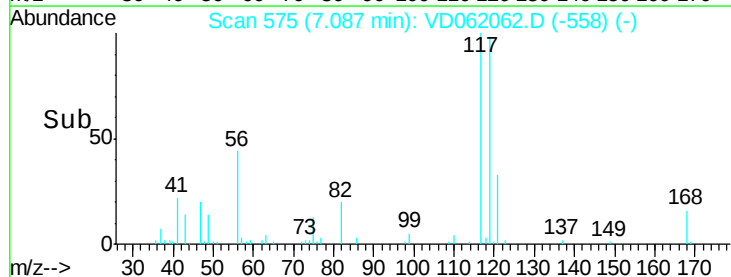
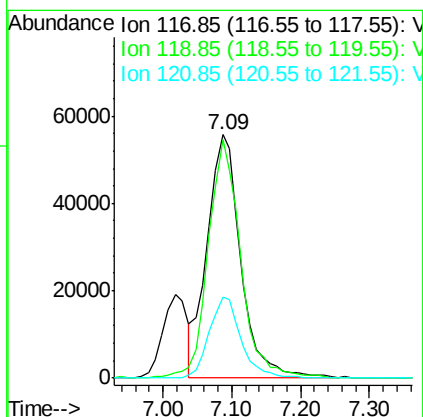
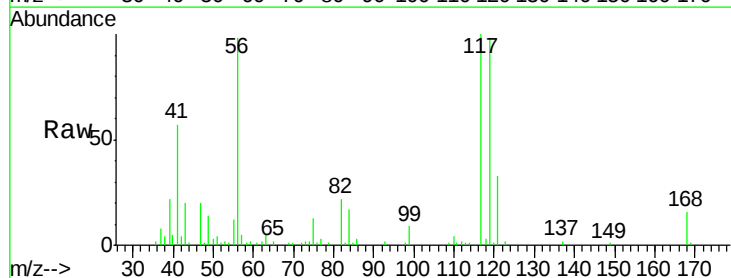
Instrument :
MSVOA_D
ClientSampleId :
VD0429SBS01

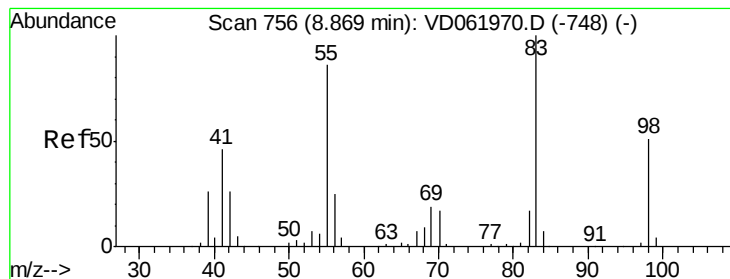
Tot Ion: 43 Resp: 59590
Ion Ratio Lower Upper
43 100
61 15.3 14.7 22.1
70 7.7 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 20.962 ug/l
RT: 7.09 min Scan# 575
Delta R.T. -0.03 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Tgt Ion: 117 Resp: 189166
Ion Ratio Lower Upper
117 100
119 97.7 75.8 113.8
121 33.2 25.9 38.9





#39

Methvlcvclohexane

Concen: 20.588 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.02 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

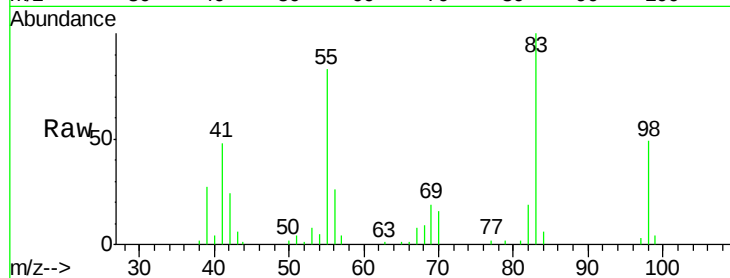
Tot Ion: 83 Resp: 144654

Ion Ratio Lower Upper

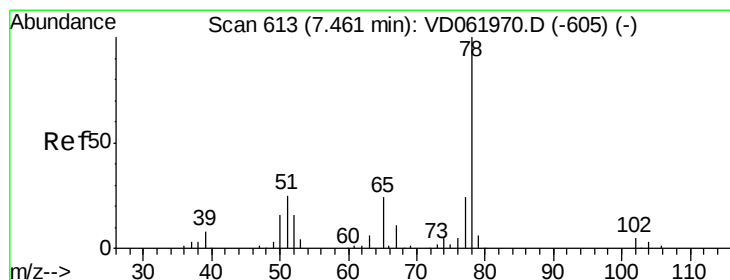
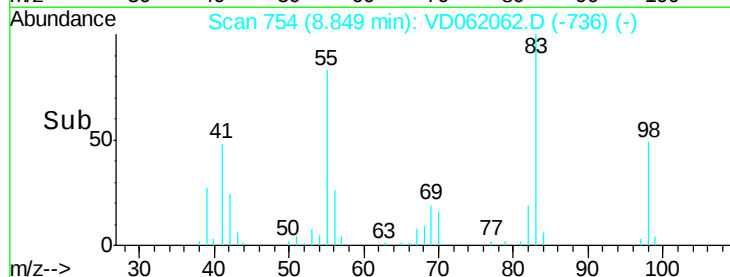
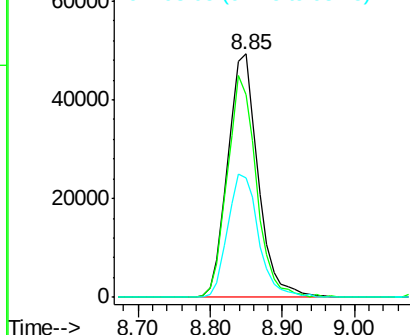
83 100

55 83.1 68.2 102.4

98 49.2 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.108 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062062.D

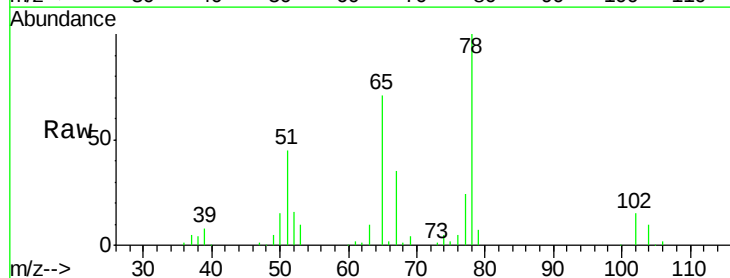
Acq: 29 Apr 2019 14:58

Tgt Ion: 78 Resp: 354511

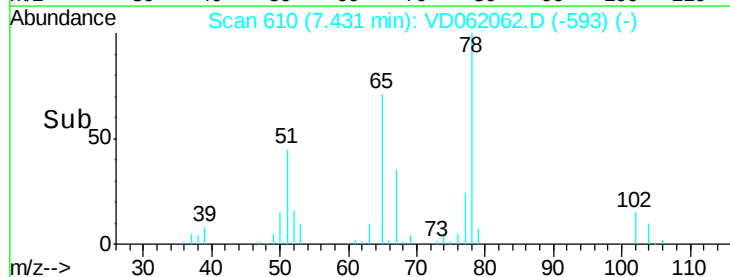
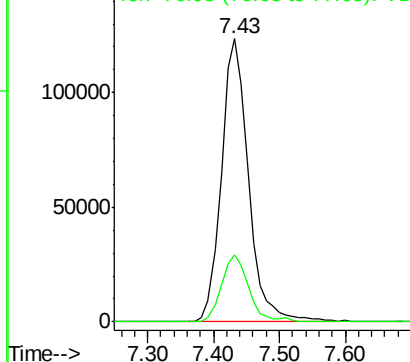
Ion Ratio Lower Upper

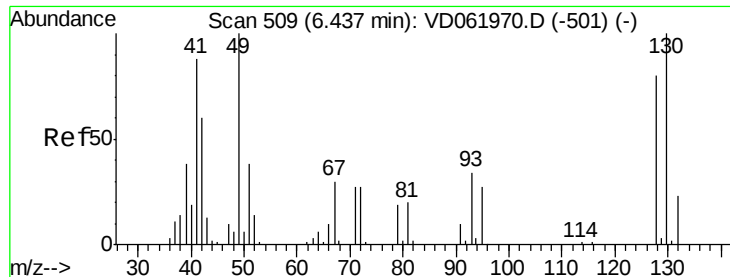
78 100

77 23.5 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

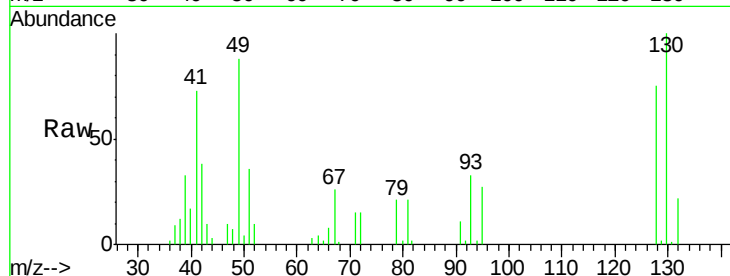




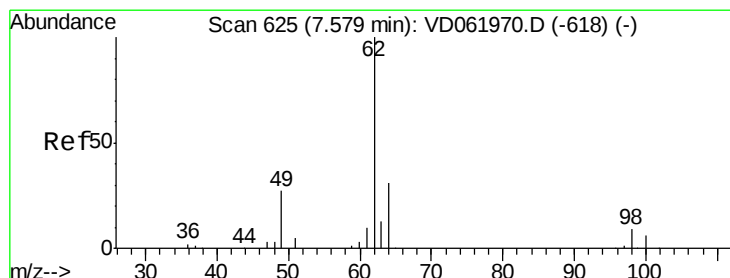
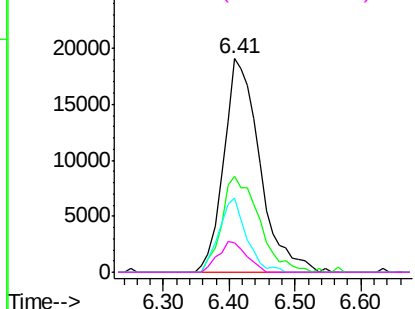
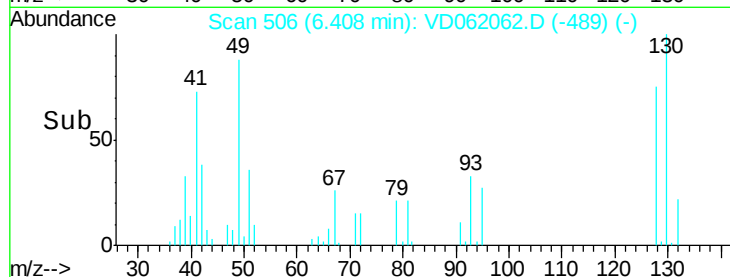
#41
Methacrylonitrile
Concen: 20.635 ug/l
RT: 6.41 min Scan# 506
Delta R.T. -0.03 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
VD0429SBS01

Tot Ion: 41 Resp: 73065
Ion Ratio Lower Upper
41 100
39 44.8 34.1 51.1
67 35.0 23.8 35.6
52 14.0 8.8 13.2#

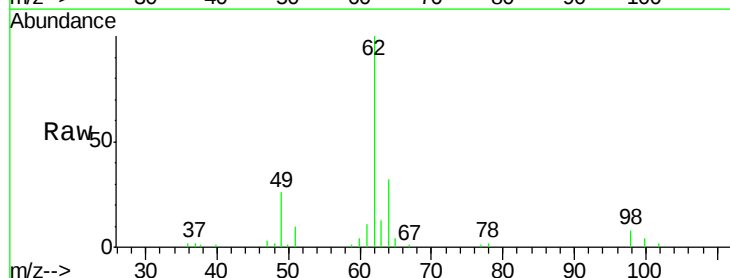


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

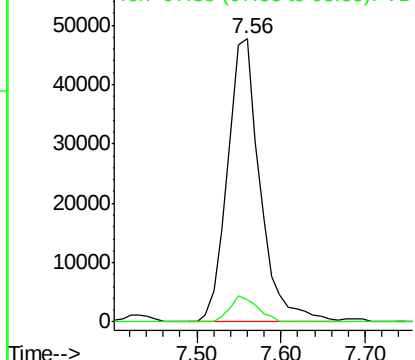
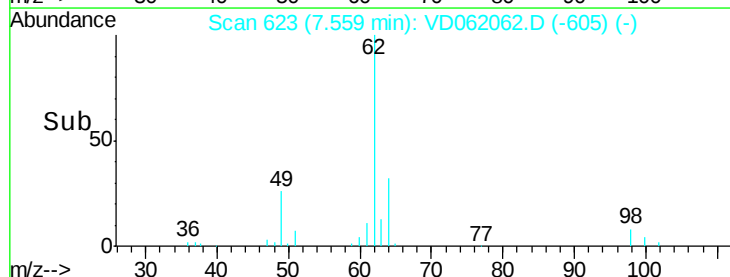


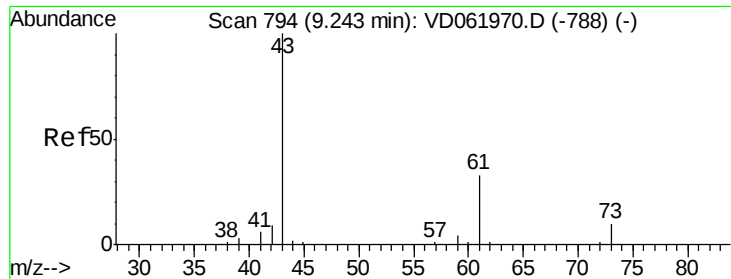
#42
1,2-Dichloroethane
Concen: 21.516 ug/l
RT: 7.56 min Scan# 623
Delta R.T. -0.02 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Tgt Ion: 62 Resp: 128800
Ion Ratio Lower Upper
62 100
98 7.9 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



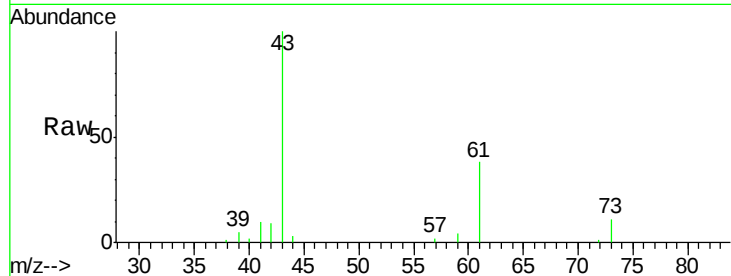


#43

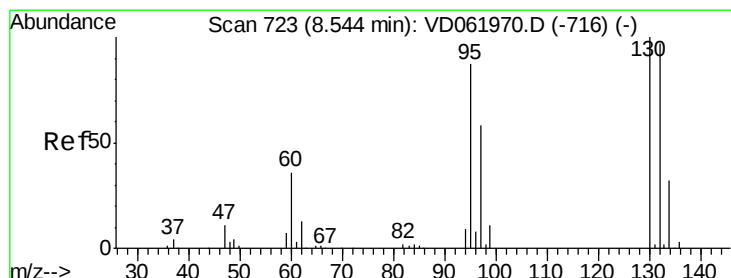
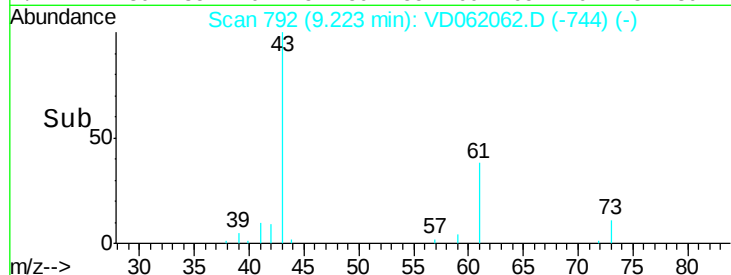
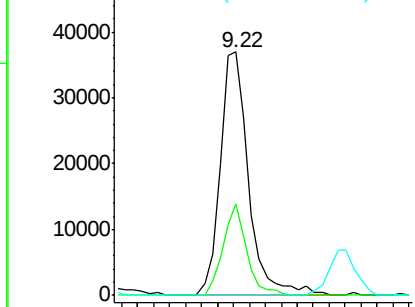
Isopropyl Acetate
 Concen: 20.879 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. -0.02 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

Tot Ion: 43 Resp: 92580
 Ion Ratio Lower Upper
 43 100
 61 37.6 25.1 37.7
 87 0.0 0.0 0.0



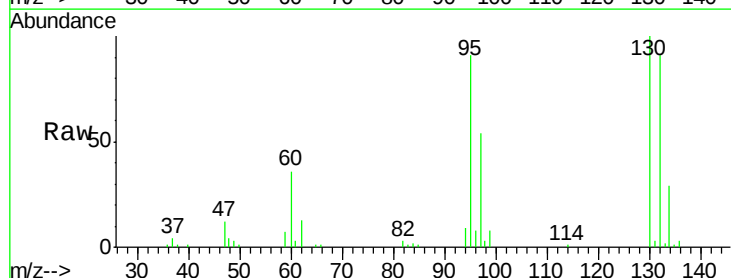
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



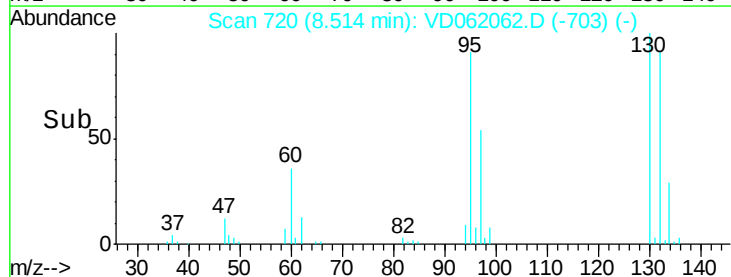
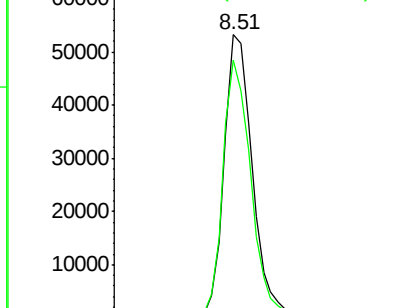
#44

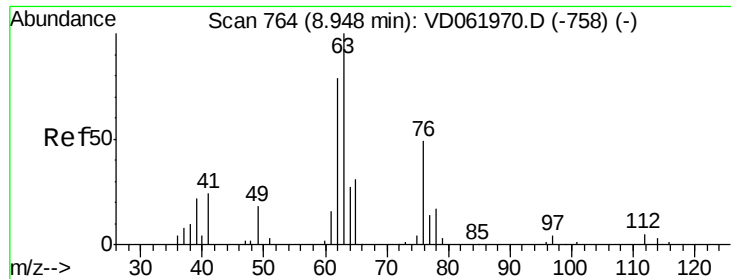
Trichloroethene
 Concen: 20.333 ug/l
 RT: 8.51 min Scan# 720
 Delta R.T. -0.03 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Tgt Ion: 130 Resp: 138977
 Ion Ratio Lower Upper
 130 100
 95 91.1 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.377 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.02 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

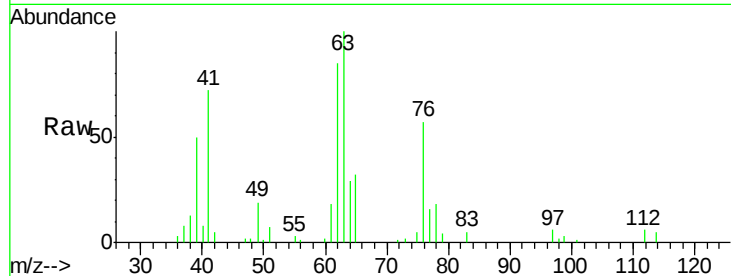
VD0429SBS01

Tot Ion: 63 Resp: 91138

Ion Ratio Lower Upper

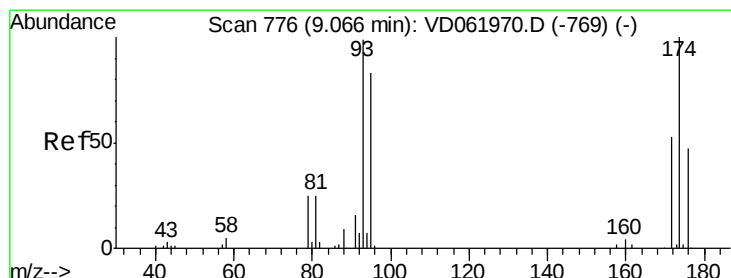
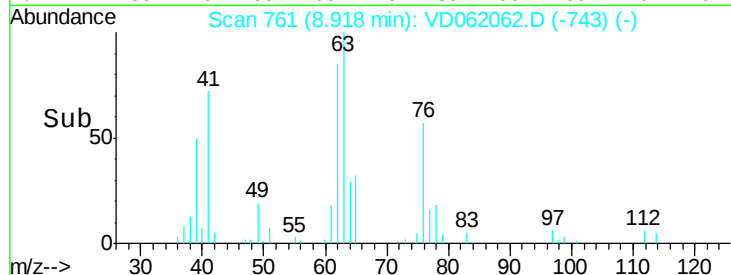
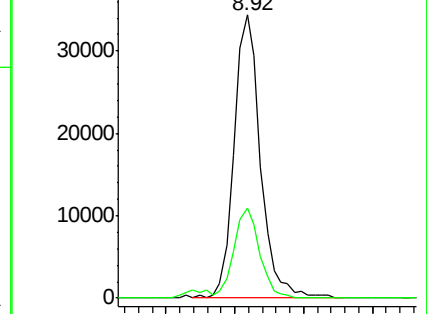
63 100

65 31.9 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.487 ug/l

RT: 9.04 min Scan# 773

Delta R.T. -0.03 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

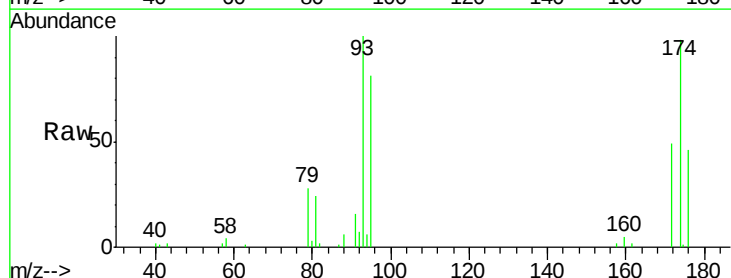
Tgt Ion: 93 Resp: 65935

Ion Ratio Lower Upper

93 100

95 80.5 64.8 97.2

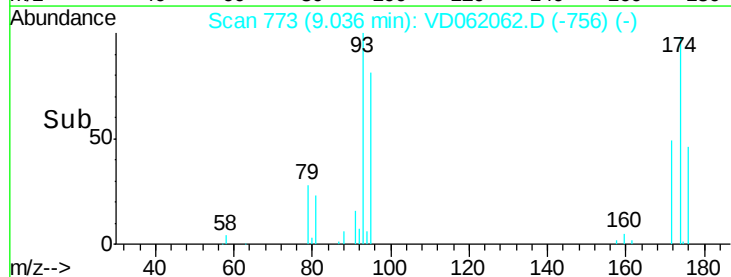
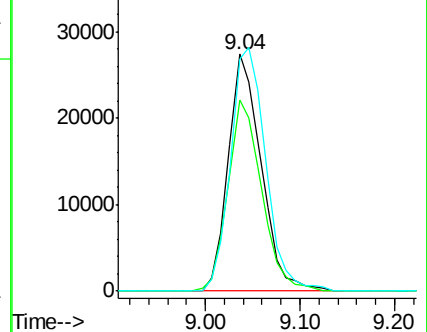
174 97.8 79.3 118.9

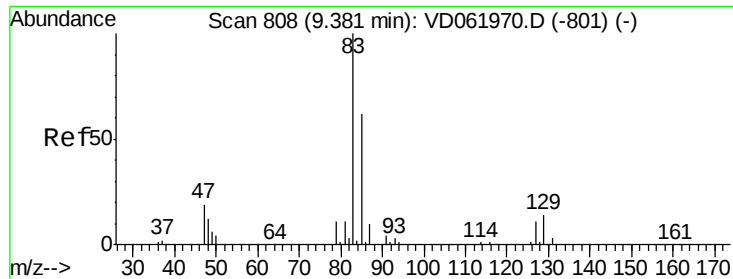


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.734 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.03 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

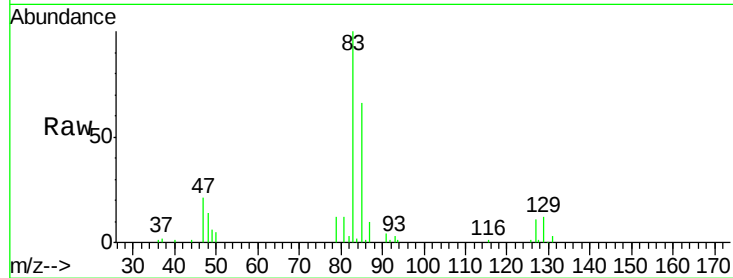
Tot Ion: 83 Resp: 157669

Ion Ratio Lower Upper

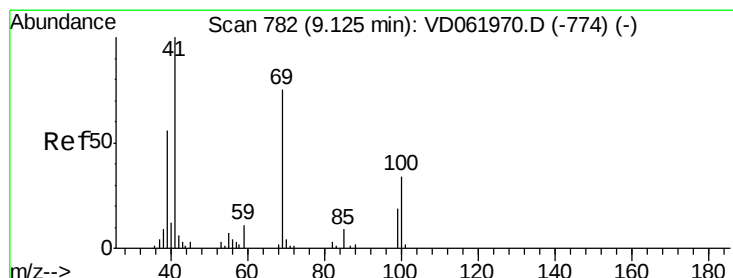
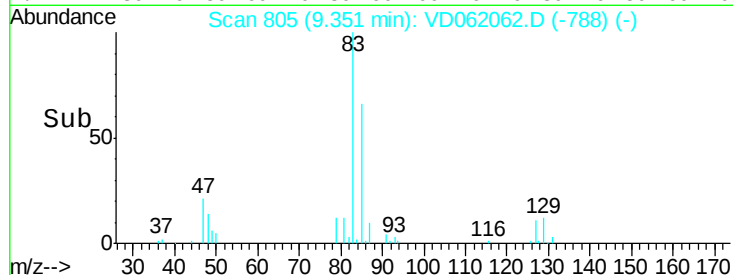
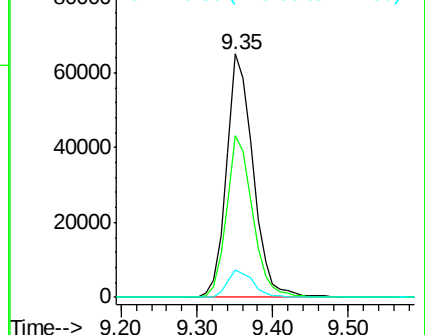
83 100

85 66.2 50.9 76.3

127 11.2 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.296 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.02 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

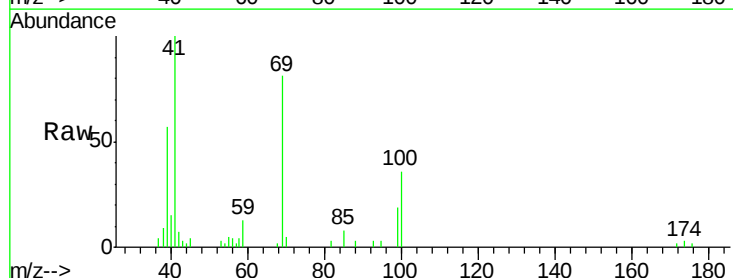
Tgt Ion: 41 Resp: 53878

Ion Ratio Lower Upper

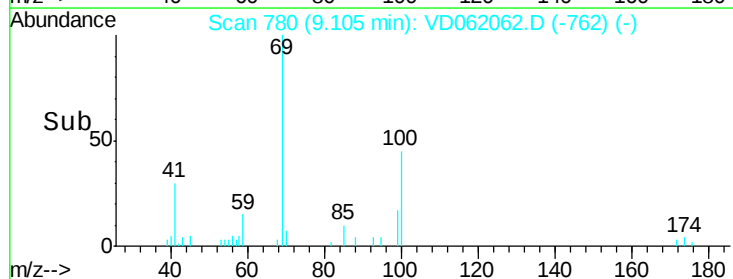
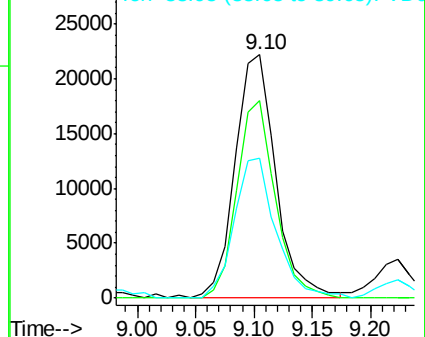
41 100

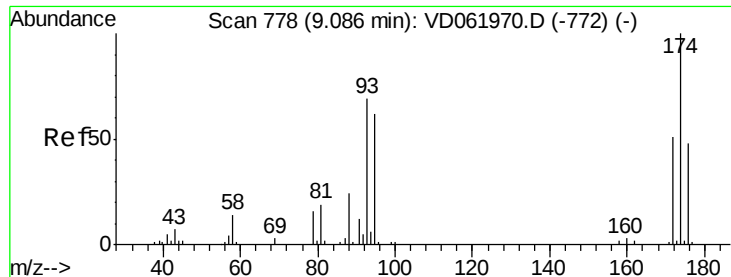
69 81.3 64.2 96.2

39 57.2 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

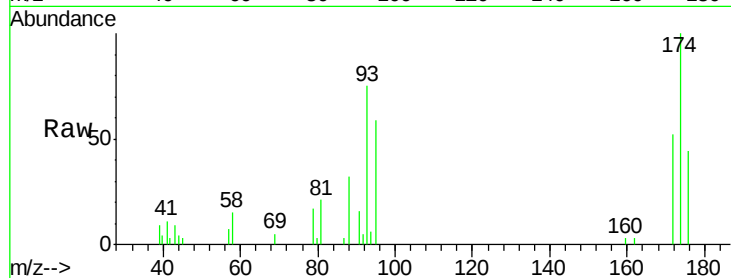




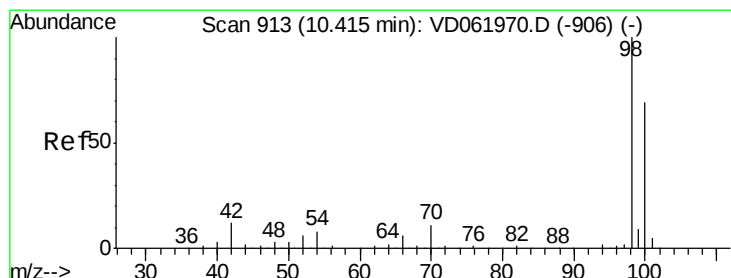
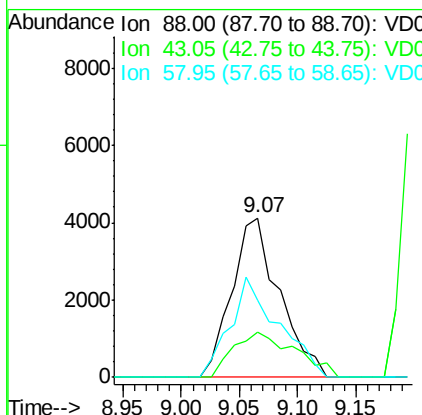
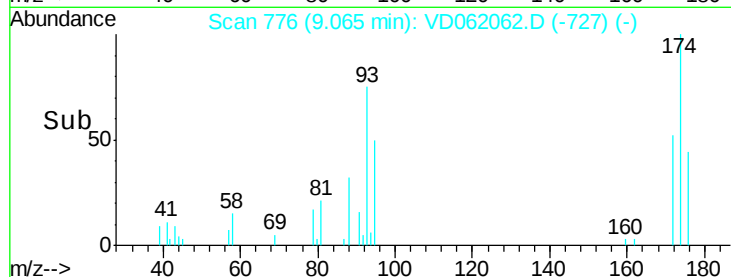
#49
 1,4-Dioxane
 Concen: 426.861 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

Tot Ion: 88 Resp: 11643
 Ion Ratio Lower Upper
 88 100
 43 28.2 23.4 35.0
 58 48.3 44.0 66.0

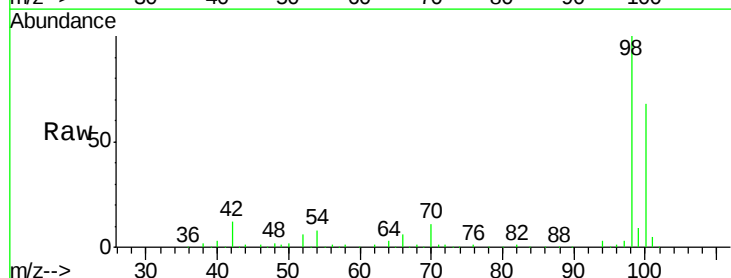


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

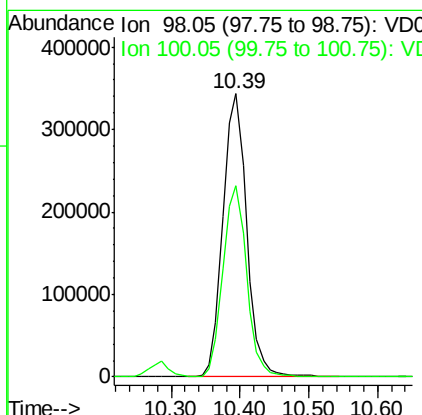
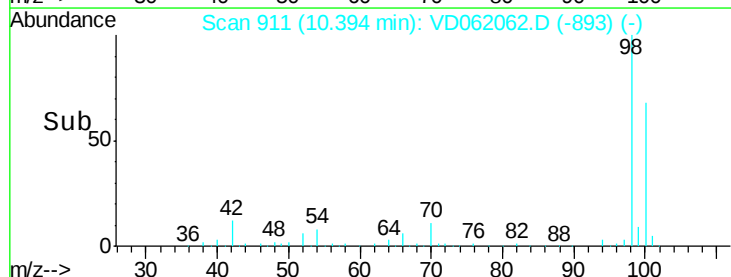


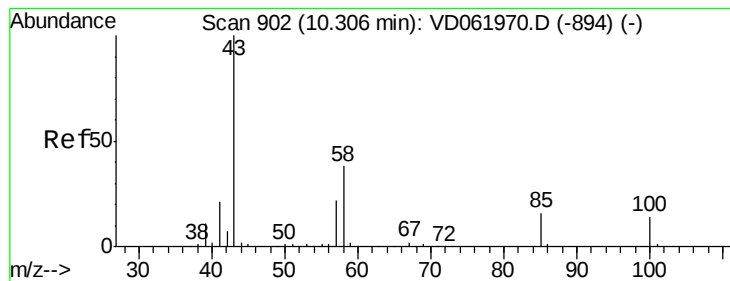
#50
 Toluene-d8
 Concen: 54.600 ug/l
 RT: 10.39 min Scan# 911
 Delta R.T. -0.02 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Tgt Ion: 98 Resp: 821312
 Ion Ratio Lower Upper
 98 100
 100 67.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 112.756 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

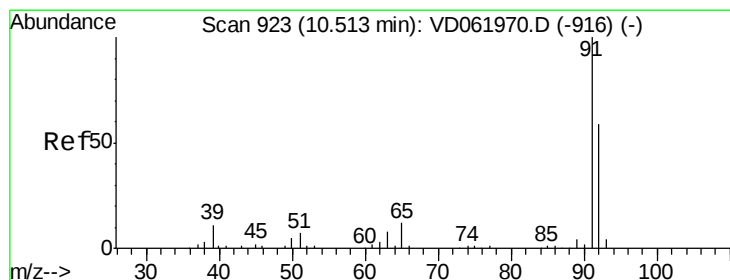
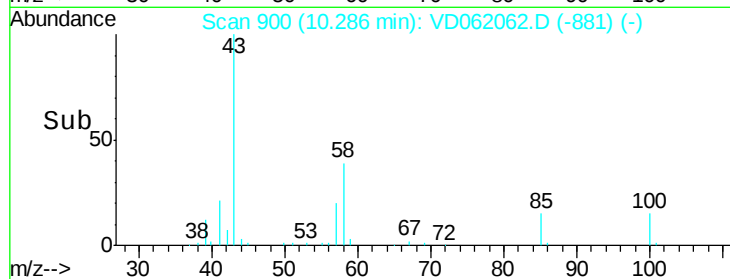
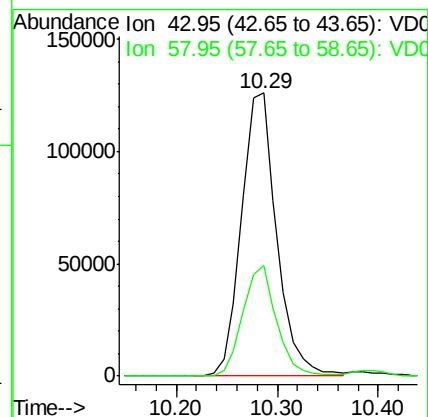
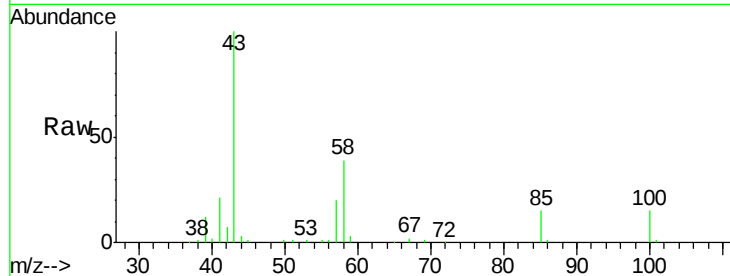
VD0429SBS01

Tot Ion: 43 Resp: 305766

Ion Ratio Lower Upper

43 100

58 39.0 30.4 45.6



#52

Toluene

Concen: 21.191 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.02 min

Lab File: VD062062.D

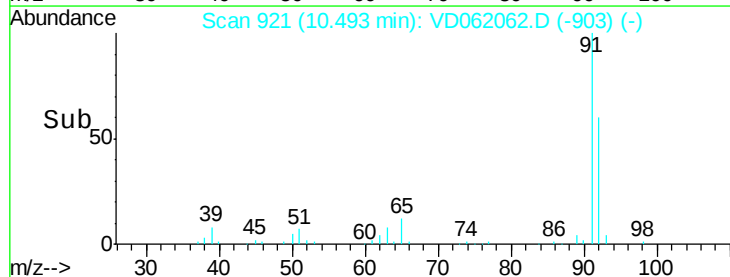
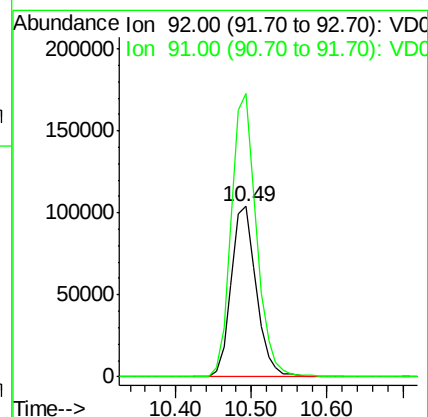
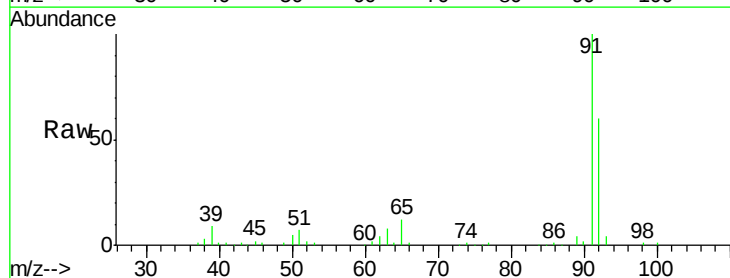
Acq: 29 Apr 2019 14:58

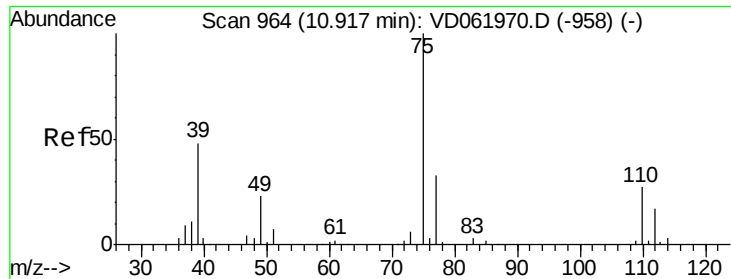
Tgt Ion: 92 Resp: 238216

Ion Ratio Lower Upper

92 100

91 165.8 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 22.501 ug/l

RT: 10.90 min Scan# 962

Delta R.T. -0.02 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

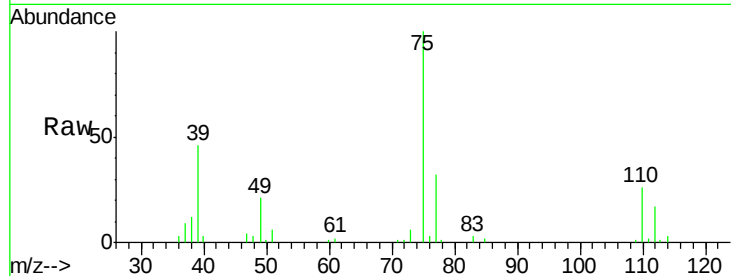
VD0429SBS01

Tot Ion: 75 Resp: 143623

Ion Ratio Lower Upper

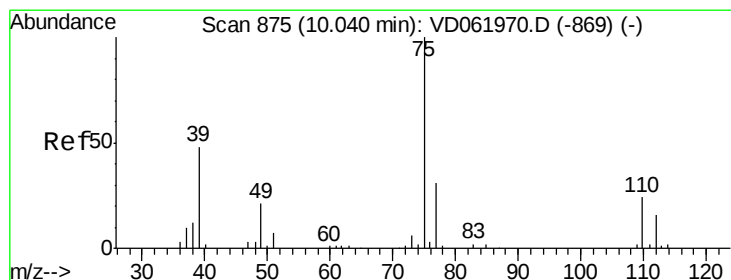
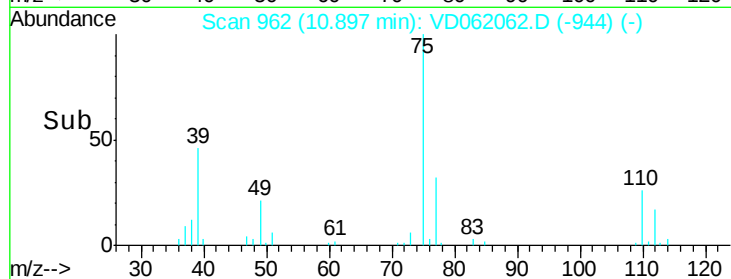
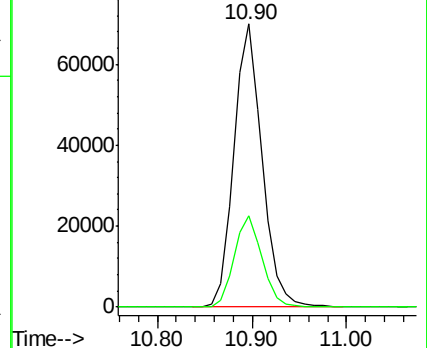
75 100

77 32.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.900 ug/l

RT: 10.02 min Scan# 873

Delta R.T. -0.02 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

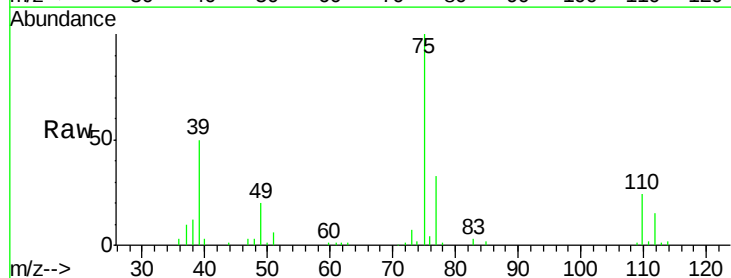
Tgt Ion: 75 Resp: 170021

Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3

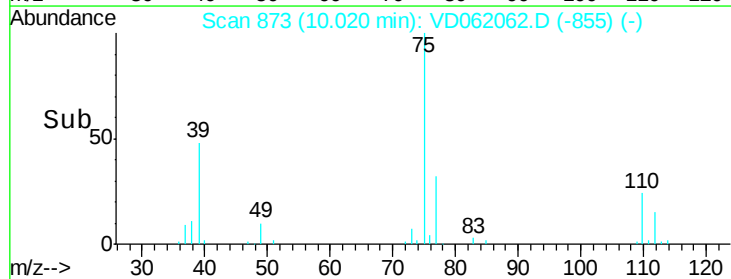
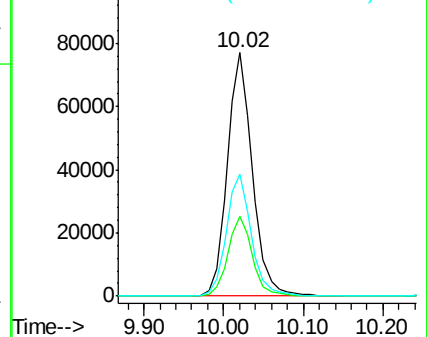
39 50.0 39.4 59.2

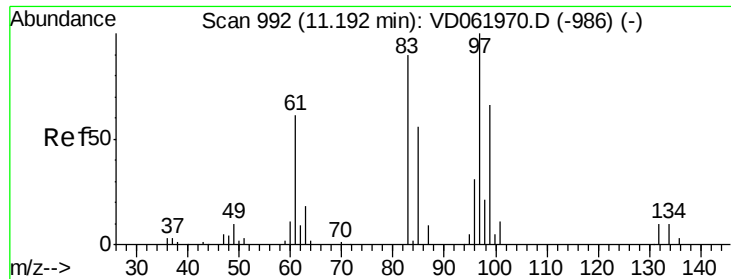


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

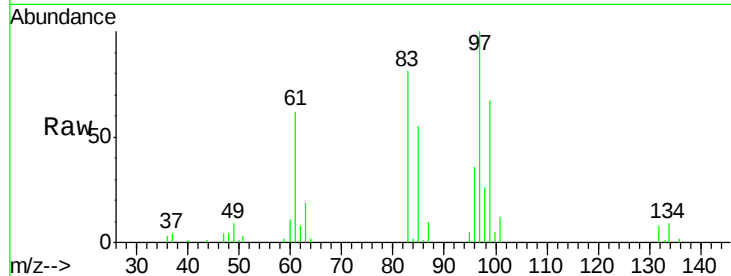




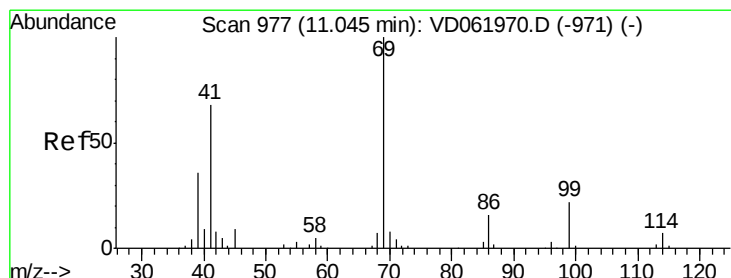
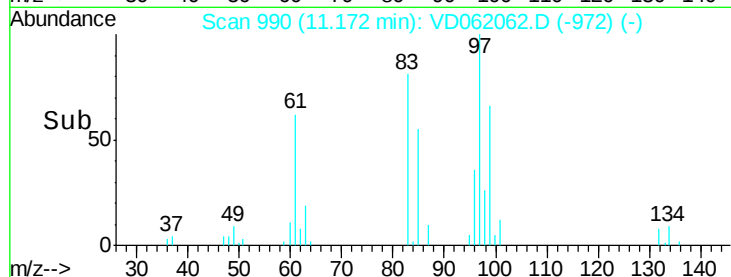
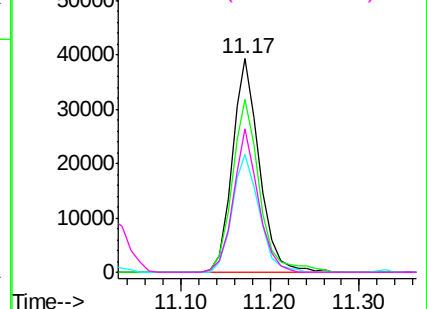
#55
 1,1,2-Trichloroethane
 Concen: 22.138 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. -0.02 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

Tot Ion: 97 Resp: 83548
 Ion Ratio Lower Upper
 97 100
 83 80.8 65.7 98.5
 85 55.1 45.6 68.4
 99 67.0 48.4 72.6

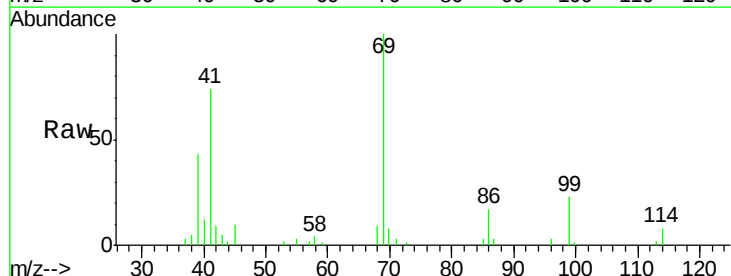


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

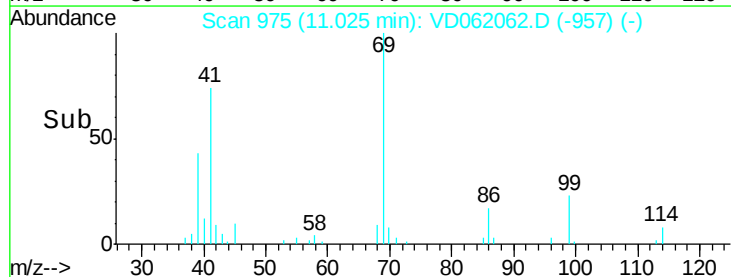
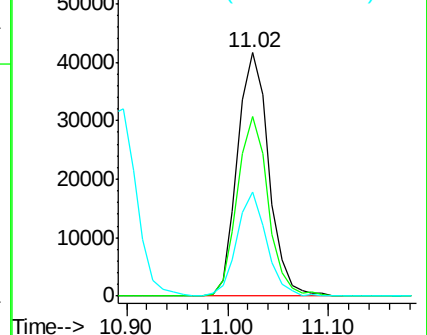


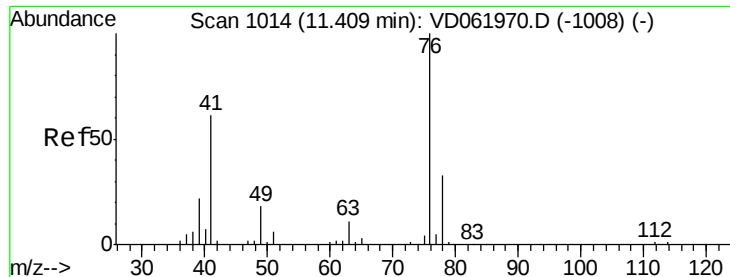
#56
 Ethyl methacrylate
 Concen: 21.531 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.02 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Tgt Ion: 69 Resp: 89996
 Ion Ratio Lower Upper
 69 100
 41 74.0 56.3 84.5
 39 42.8 29.4 44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

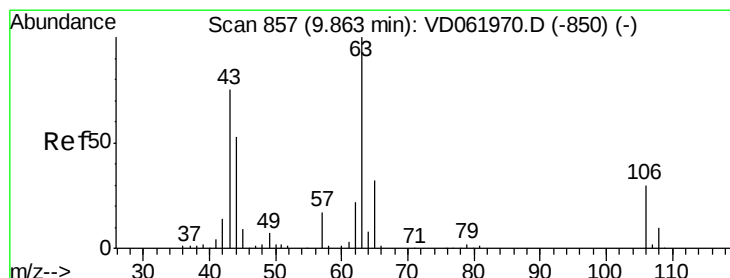
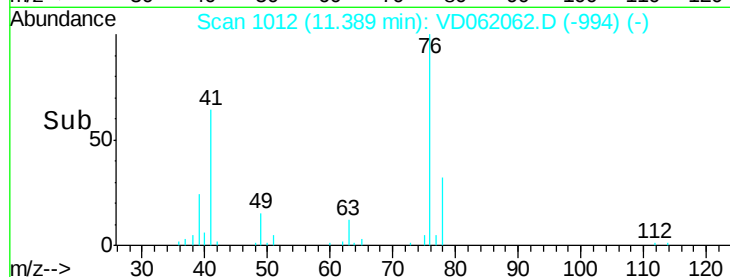
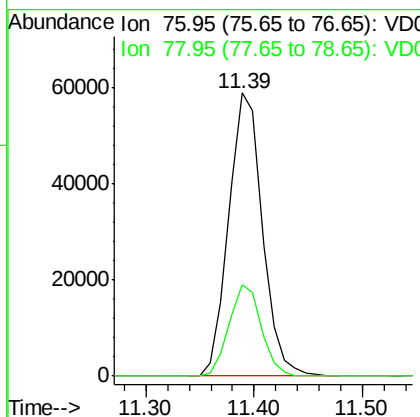
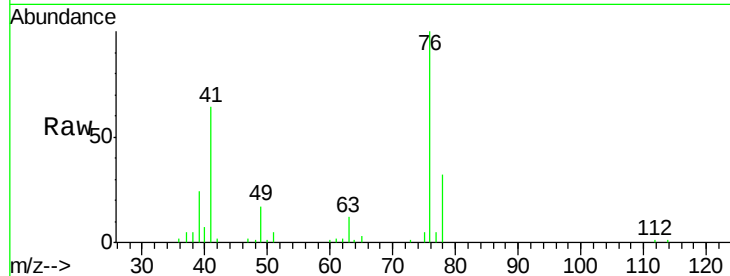




#57
 1,3-Dichloropropane
 Concen: 21.795 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. -0.02 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

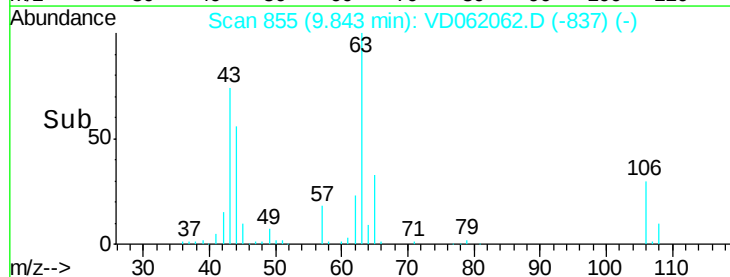
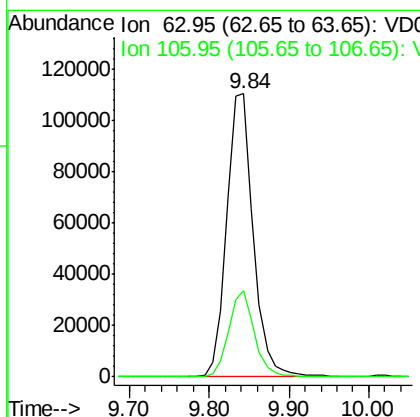
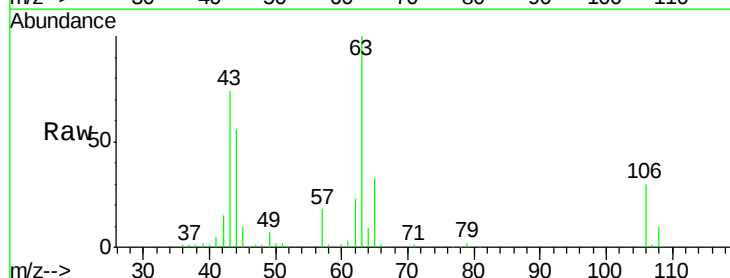
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

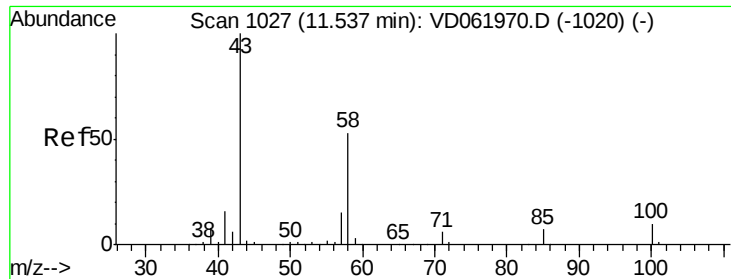
Tot Ion: 76 Resp: 127038
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 133.179 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.02 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Tgt Ion: 63 Resp: 258811
 Ion Ratio Lower Upper
 63 100
 106 30.3 22.6 34.0

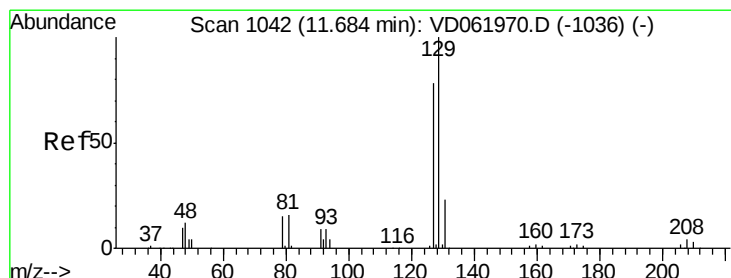
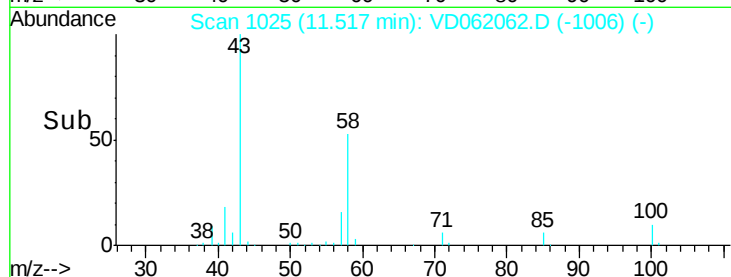
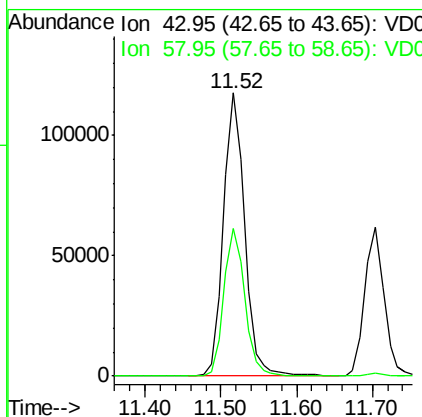
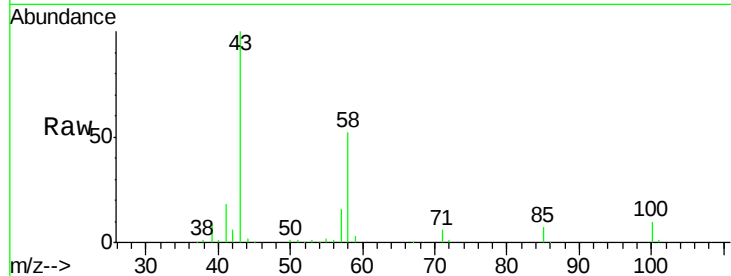




#59
2-Hexanone
Concen: 112.751 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

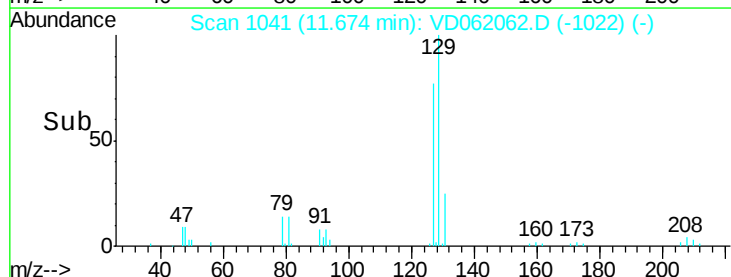
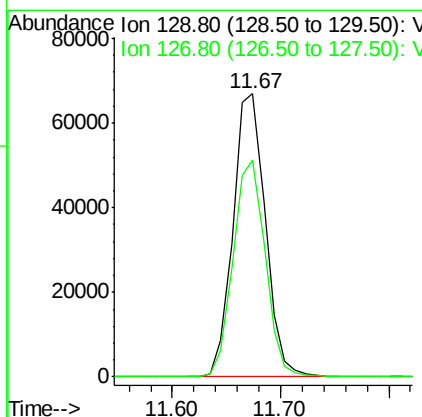
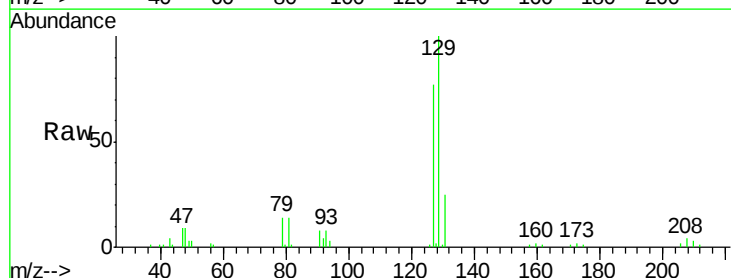
Instrument :
MSVOA_D
ClientSampleId :
VD0429SBS01

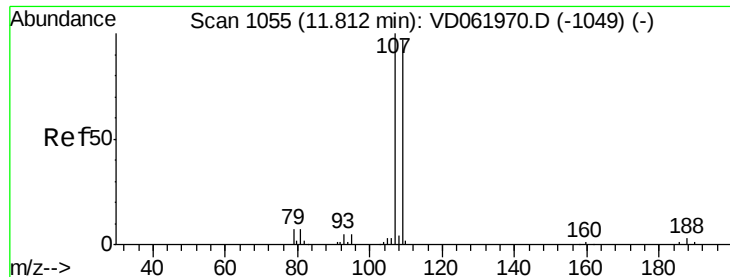
Tot Ion: 43 Resp: 229359
Ion Ratio Lower Upper
43 100
58 52.3 25.4 76.4



#60
Dibromochloromethane
Concen: 22.330 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Tgt Ion: 129 Resp: 139444
Ion Ratio Lower Upper
129 100
127 76.5 38.0 113.9

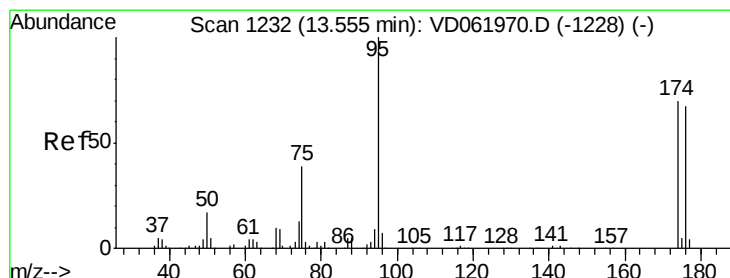
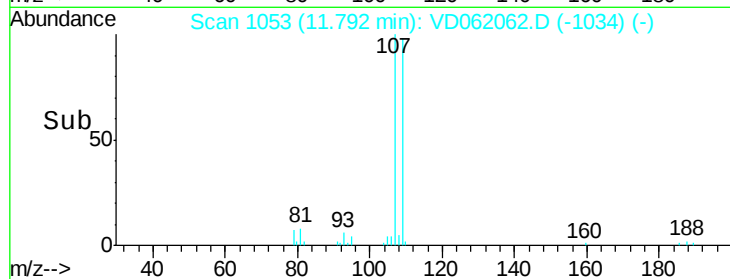
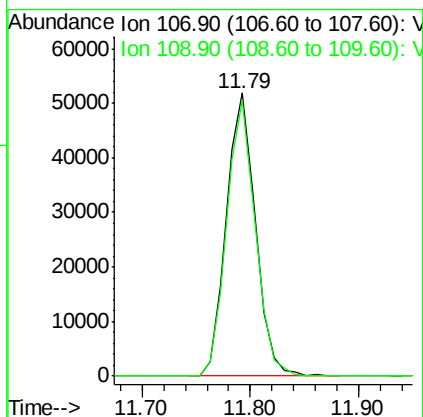
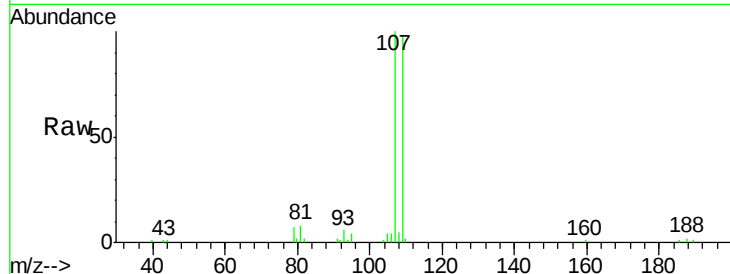




#61
 1,2-Dibromoethane
 Concen: 21.668 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

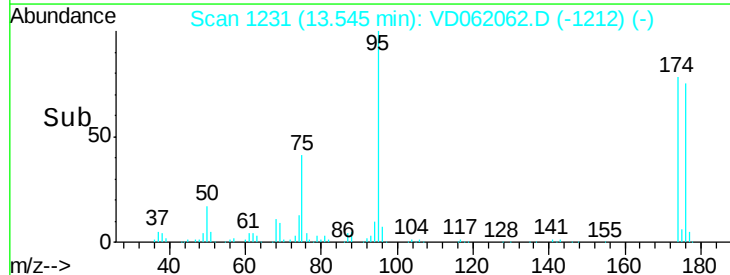
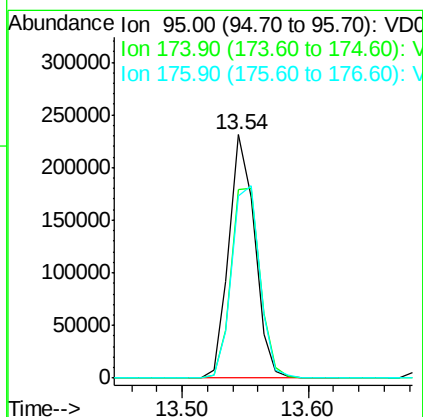
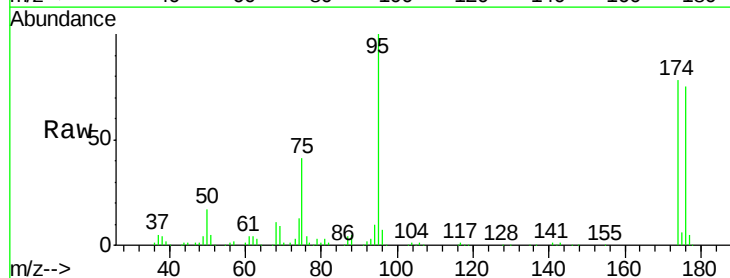
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

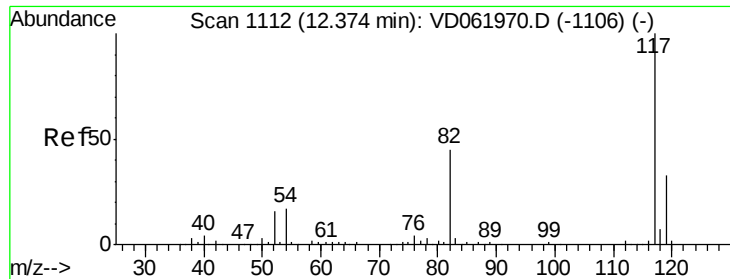
Tot Ion:107 Resp: 97008
 Ion Ratio Lower Upper
 107 100
 109 97.5 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 54.319 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Tgt Ion: 95 Resp: 327727
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 181.8
 176 75.1 0.0 174.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.35 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

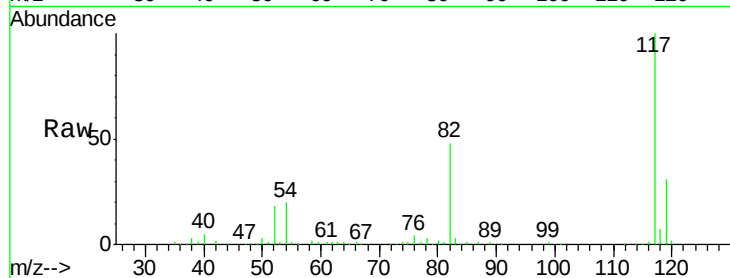
Tot Ion:117 Resp: 761090

Ion Ratio Lower Upper

117 100

82 48.1 36.2 54.2

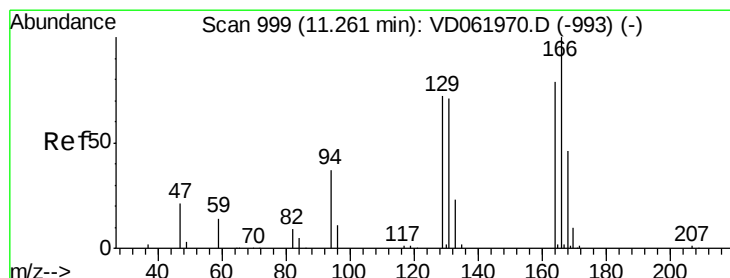
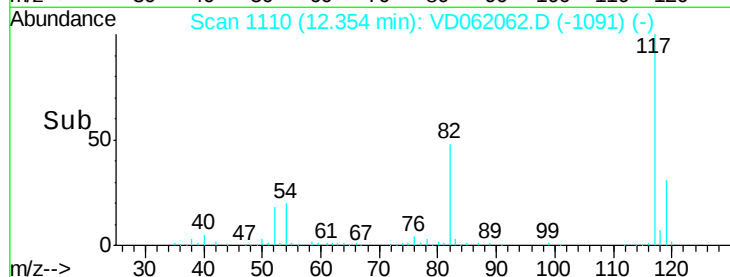
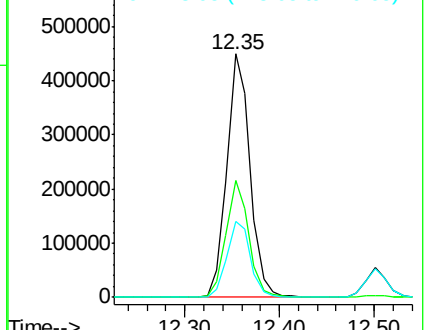
119 31.4 26.2 39.4



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 21.931 ug/l

RT: 11.24 min Scan# 997

Delta R.T. -0.02 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Tgt Ion:164 Resp: 119068

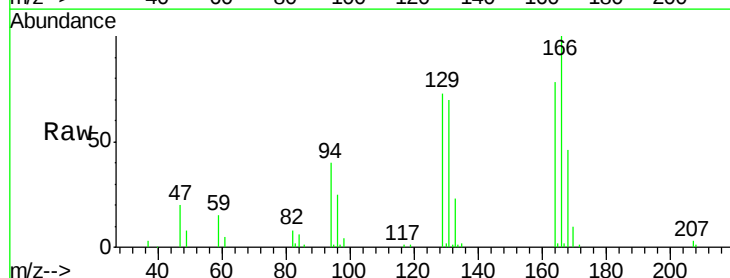
Ion Ratio Lower Upper

164 100

166 128.7 101.5 152.3

129 93.6 74.6 112.0

131 90.1 72.6 108.8

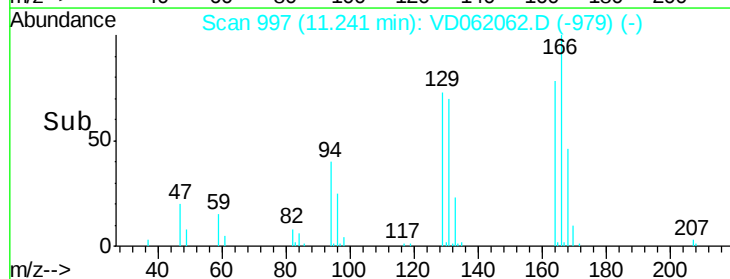
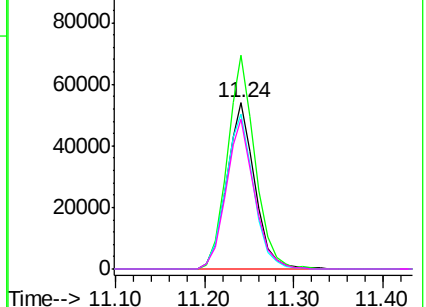


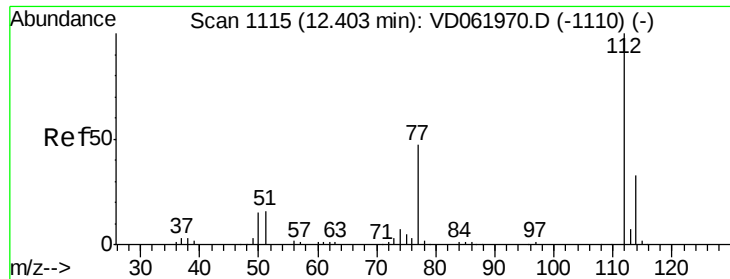
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

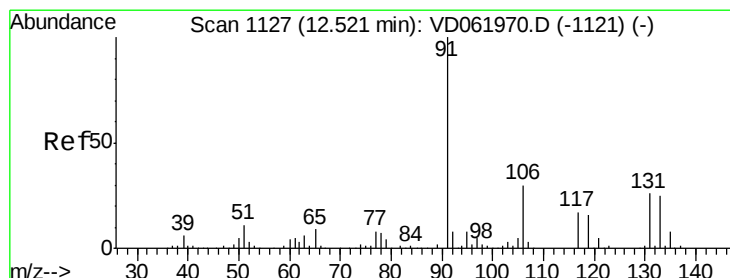
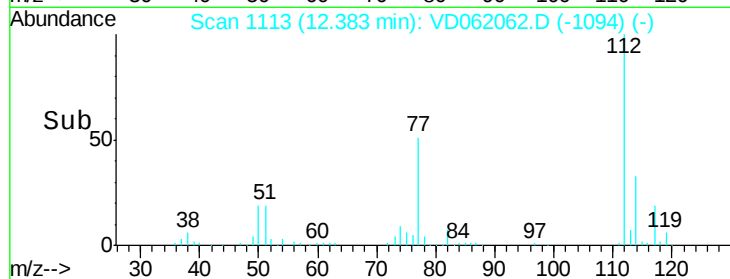
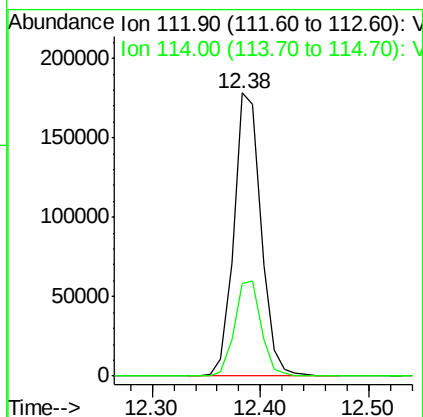
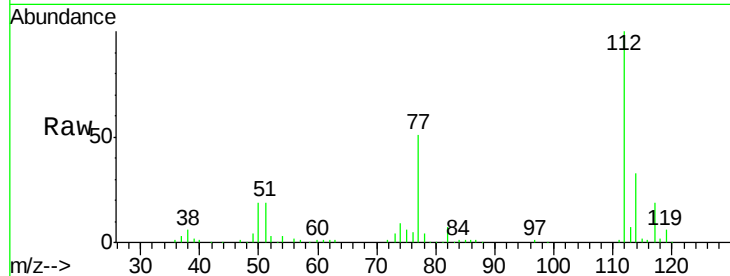




#65
Chlorobenzene
Concen: 21.592 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

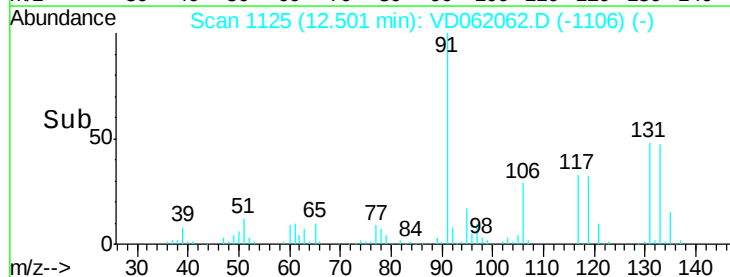
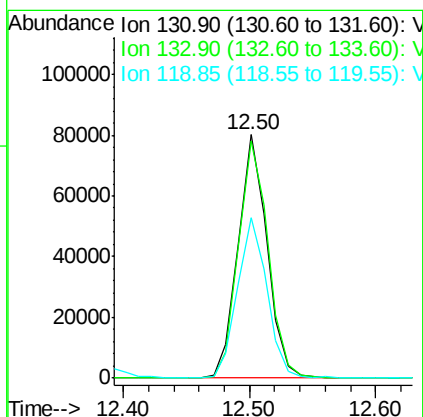
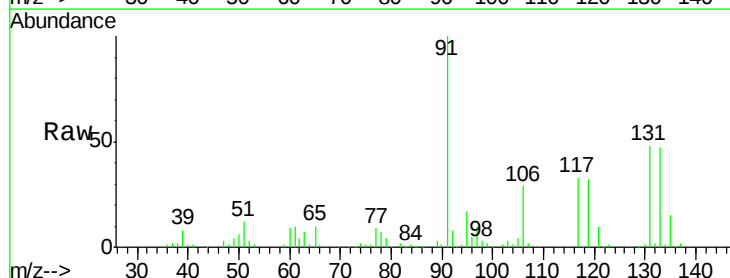
Instrument :
MSVOA_D
ClientSampleId :
VD0429SBS01

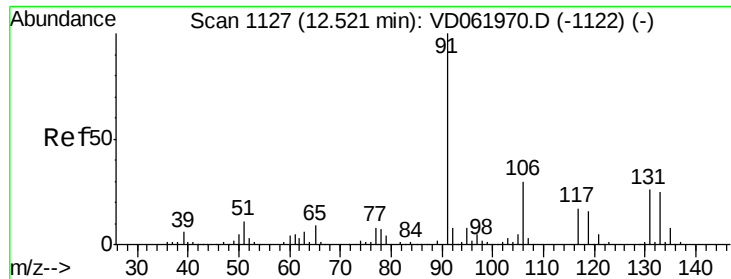
Tot Ion:112 Resp: 310538
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.863 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Tgt Ion:131 Resp: 127275
Ion Ratio Lower Upper
131 100
133 97.5 48.6 145.8
119 66.0 34.7 104.1

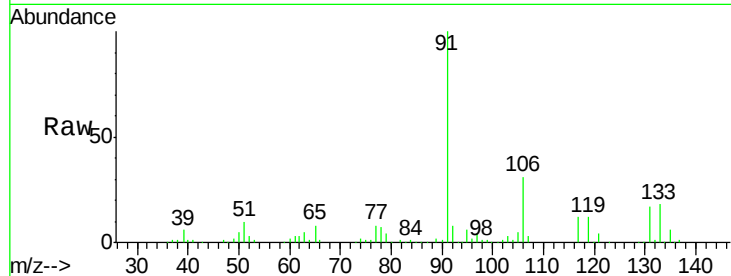




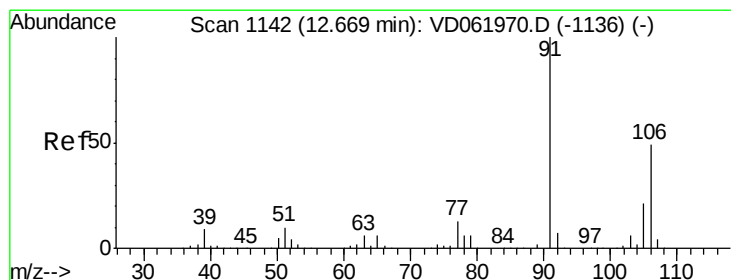
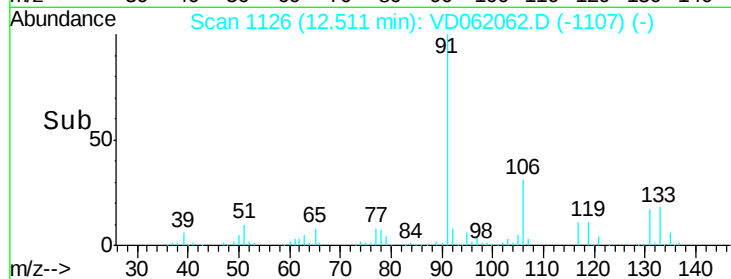
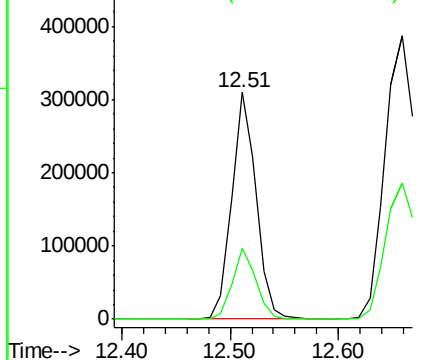
#67
Ethyl Benzene
Concen: 20.614 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
VD0429SBS01

Tot Ion: 91 Resp: 483897
Ion Ratio Lower Upper
91 100
106 31.1 24.7 37.1

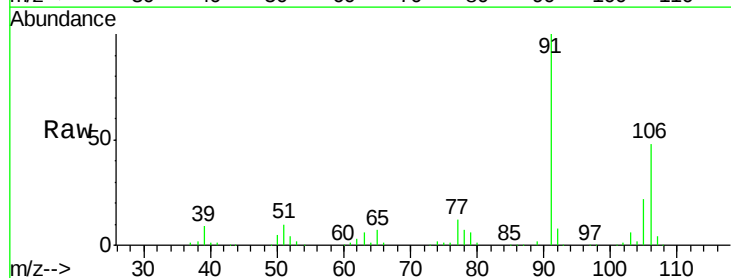


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

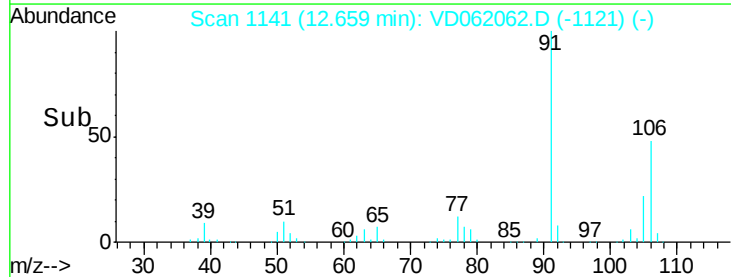
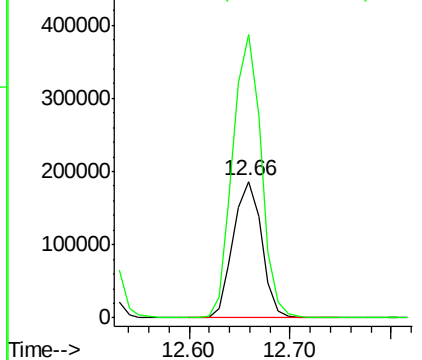


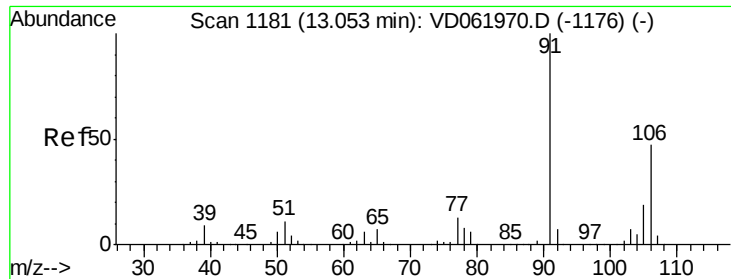
#68
m/p-Xylenes
Concen: 43.314 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Tgt Ion: 106 Resp: 367478
Ion Ratio Lower Upper
106 100
91 207.4 164.0 246.0



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

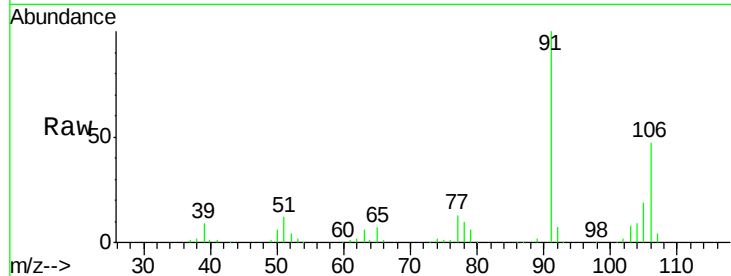




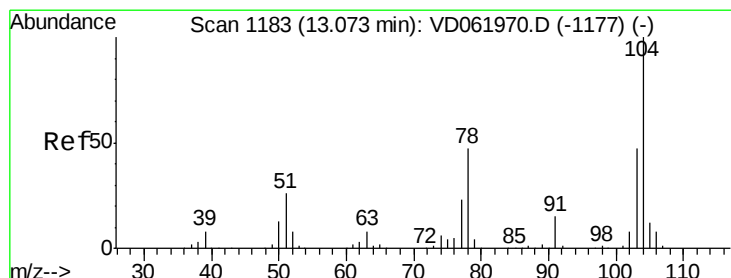
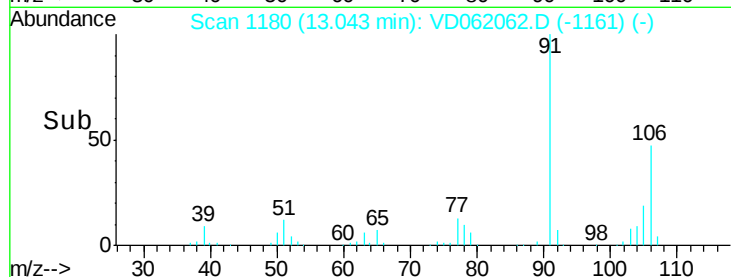
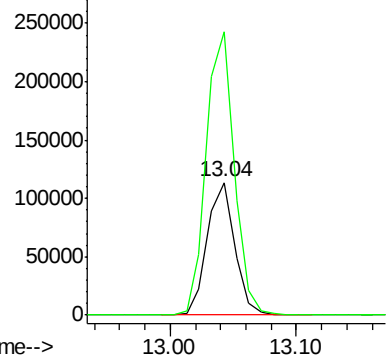
#69
o-Xylene
Concen: 22.059 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
VD0429SBS01

Tot Ion:106 Resp: 171240
Ion Ratio Lower Upper
106 100
91 213.4 106.7 319.9

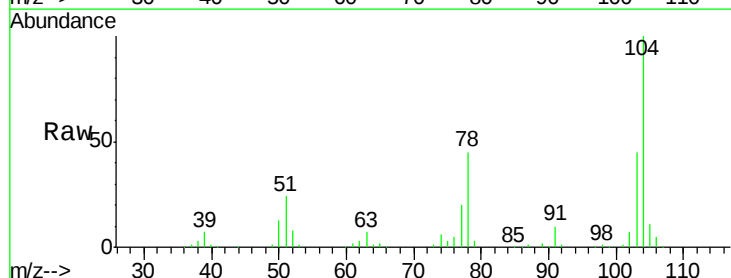


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

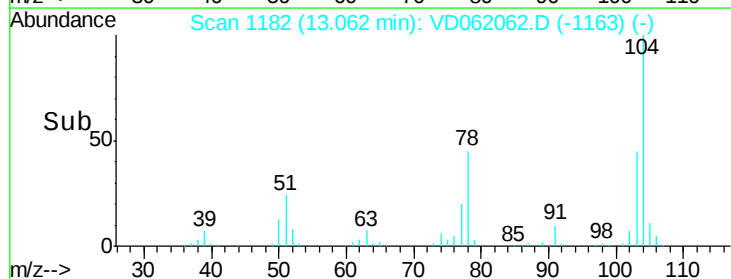
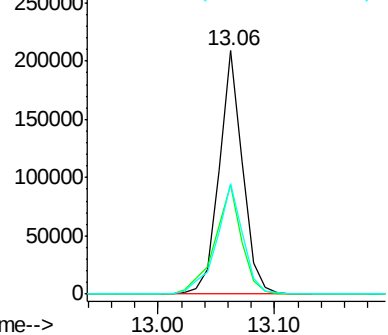


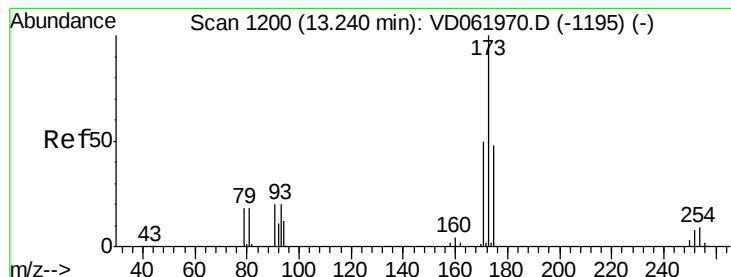
#70
Styrene
Concen: 21.602 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Tgt Ion:104 Resp: 289554
Ion Ratio Lower Upper
104 100
78 44.7 35.4 53.2
103 45.5 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 23.017 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

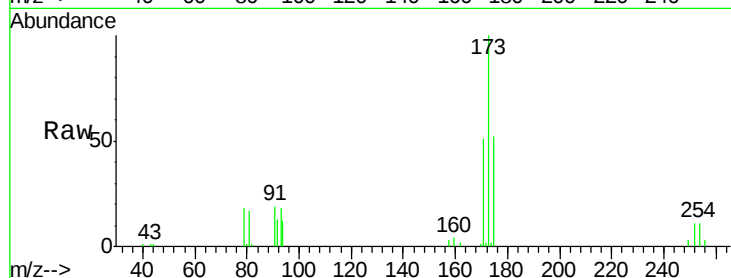
Tot Ion:173 Resp: 80052

Ion Ratio Lower Upper

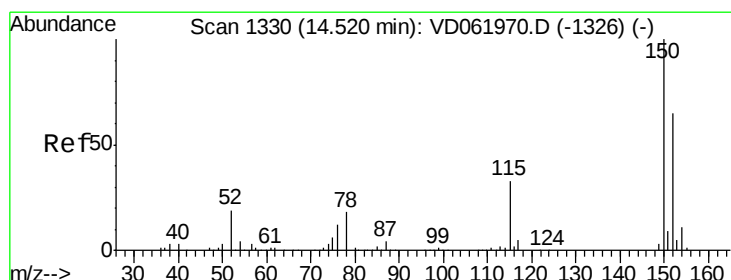
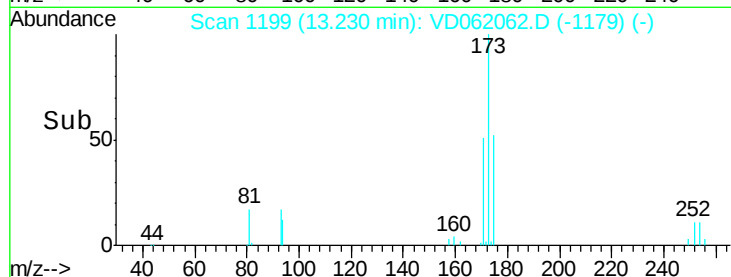
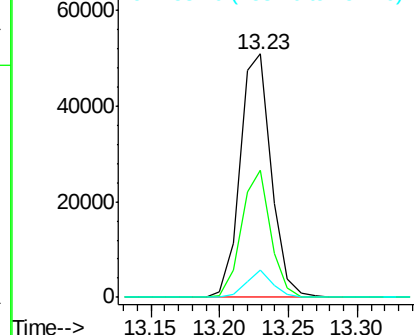
173 100

175 52.0 24.4 73.4

254 11.2 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

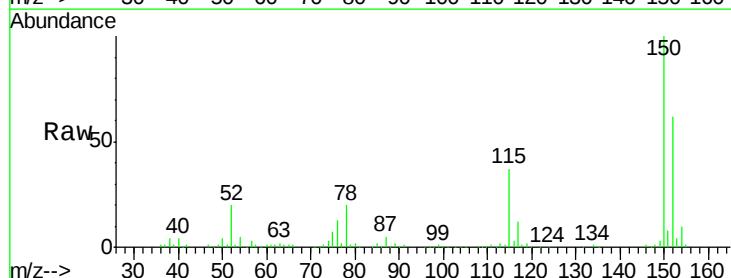
Tgt Ion:152 Resp: 348402

Ion Ratio Lower Upper

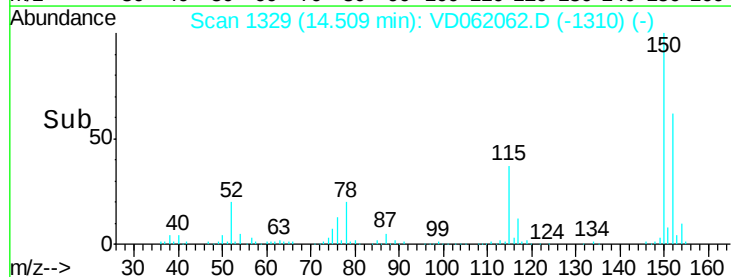
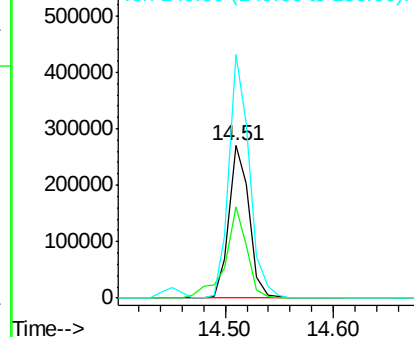
152 100

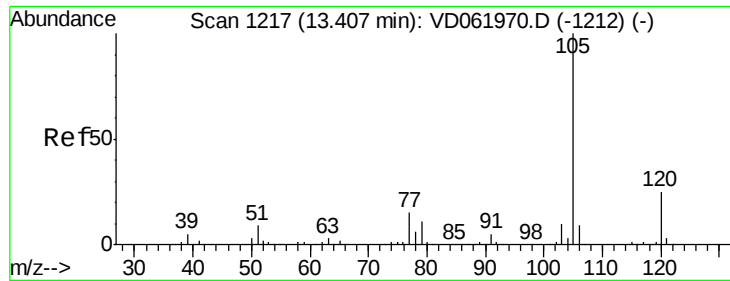
115 59.6 30.9 92.7

150 160.0 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.181 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

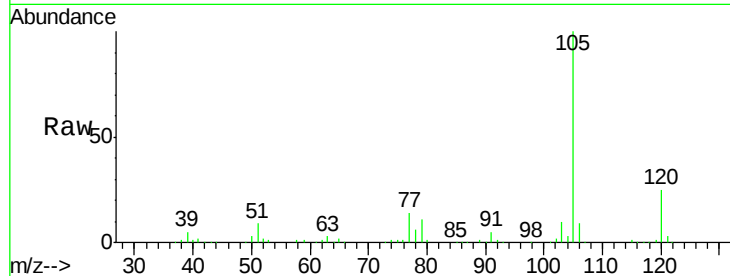
VD0429SBS01

Tot Ion:105 Resp: 515512

Ion Ratio Lower Upper

105 100

120 25.1 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

400000

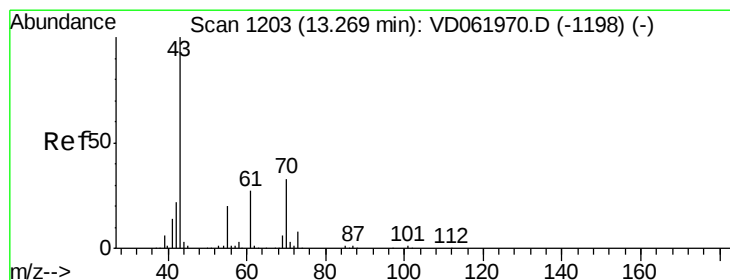
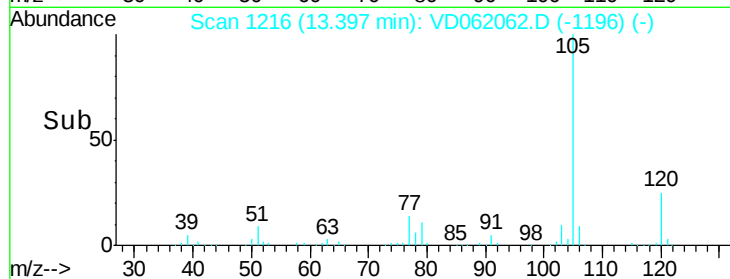
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.768 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Tgt Ion: 43 Resp: 124302

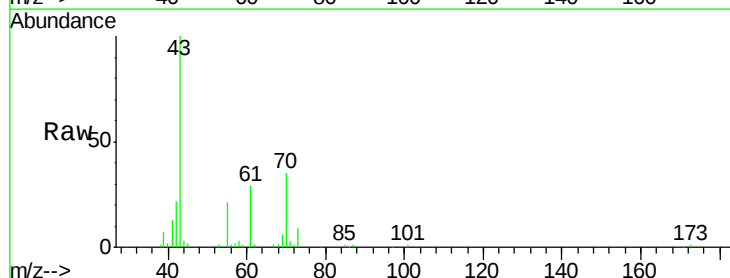
Ion Ratio Lower Upper

43 100

70 34.7 24.2 36.4

55 20.8 16.0 24.0

61 29.0 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

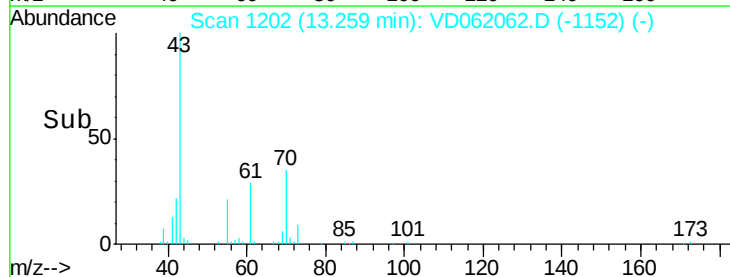
Ion 60.95 (60.65 to 61.65): V

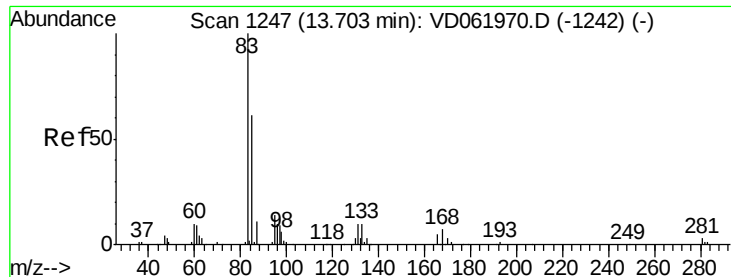
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 20.332 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

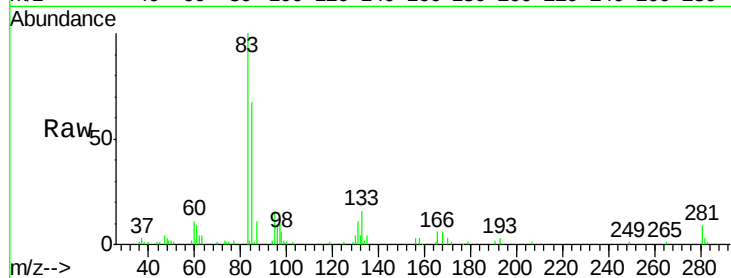
Tot Ion: 83 Resp: 92601

Ion Ratio Lower Upper

83 100

131 10.5 5.0 14.9

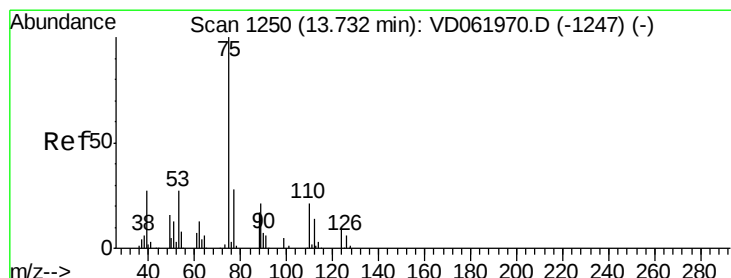
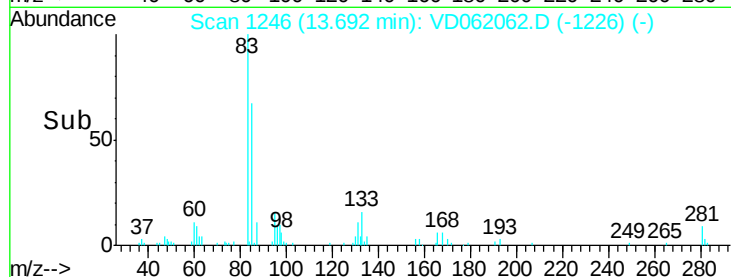
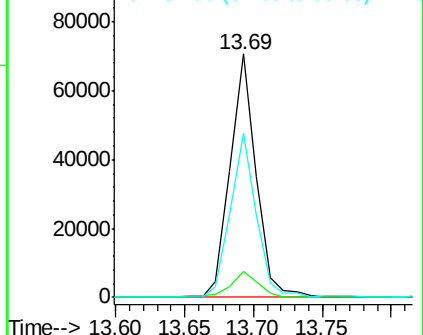
85 67.4 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.457 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062062.D

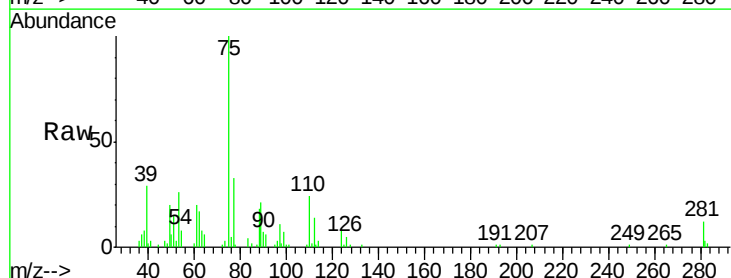
Acq: 29 Apr 2019 14:58

Tgt Ion: 75 Resp: 90508

Ion Ratio Lower Upper

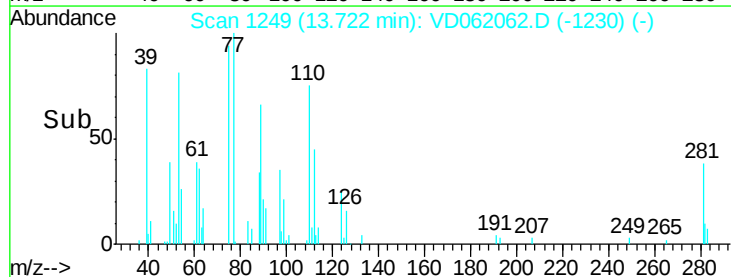
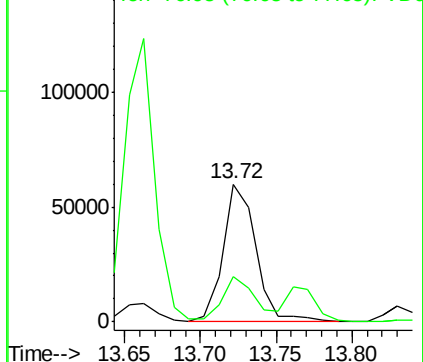
75 100

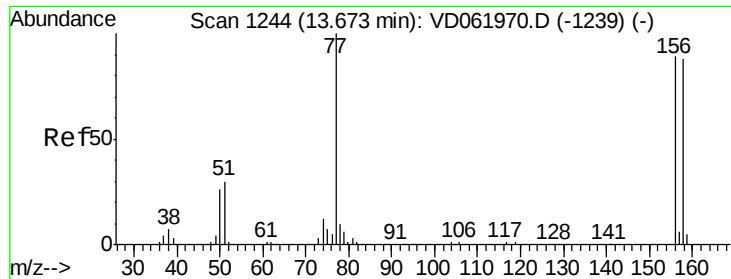
77 32.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.179 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

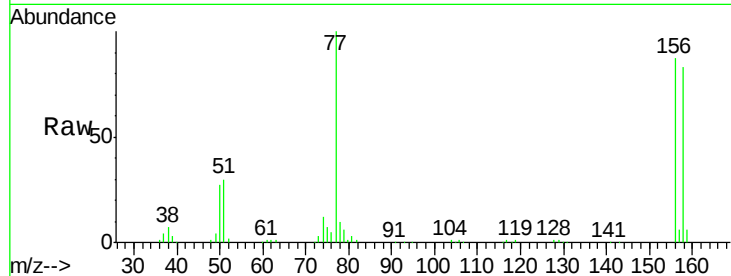
Tot Ion:156 Resp: 141202

Ion Ratio Lower Upper

156 100

77 115.3 53.1 159.4

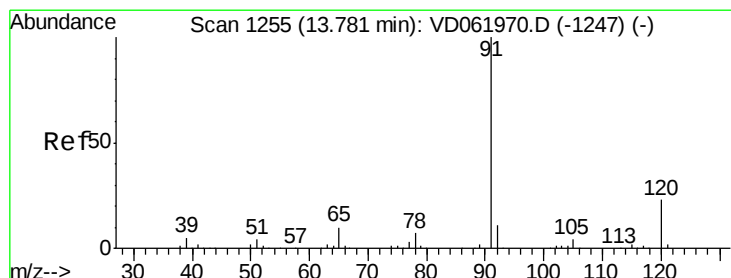
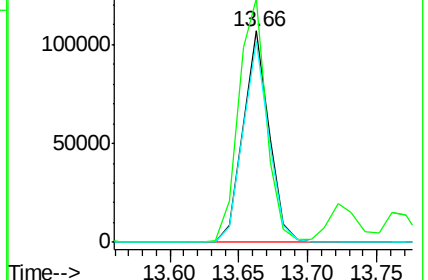
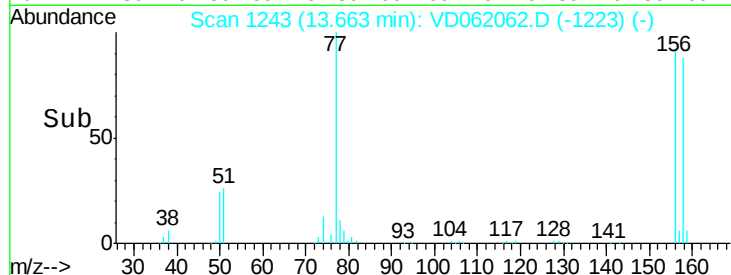
158 95.2 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.962 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062062.D

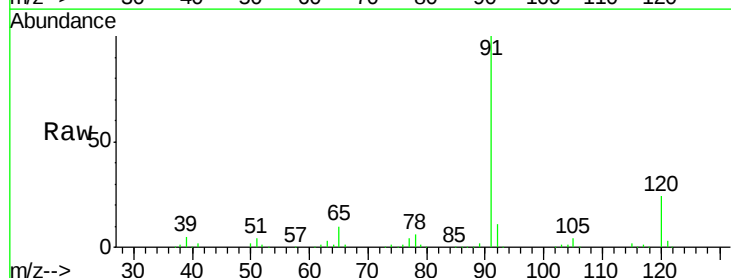
Acq: 29 Apr 2019 14:58

Tgt Ion: 91 Resp: 584315

Ion Ratio Lower Upper

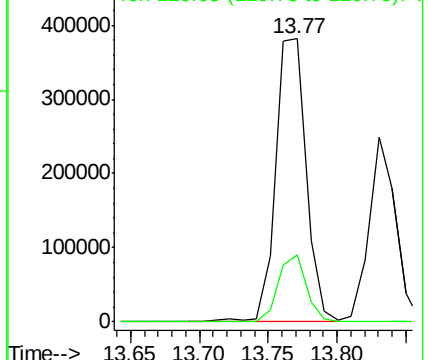
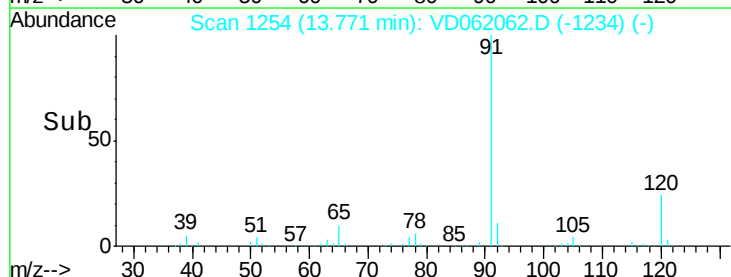
91 100

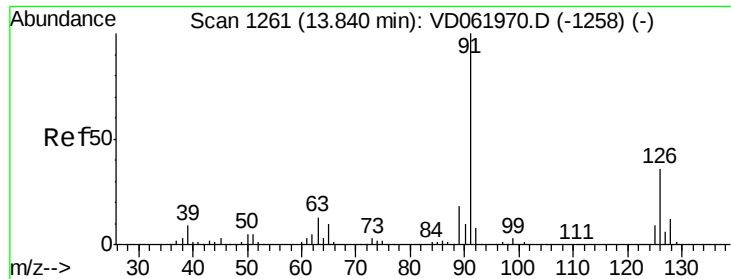
120 23.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.716 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

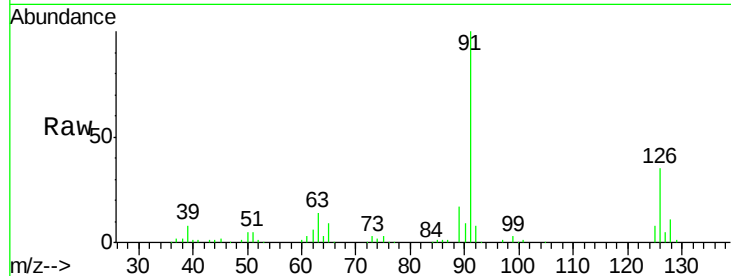
VD0429SBS01

Tot Ion: 91 Resp: 333849

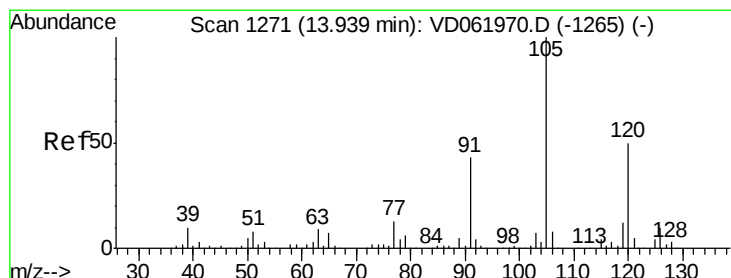
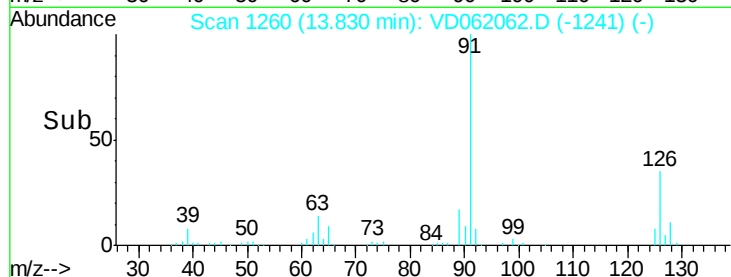
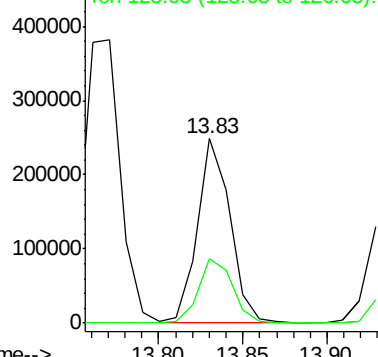
Ion Ratio Lower Upper

91 100

126 34.8 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.473 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062062.D

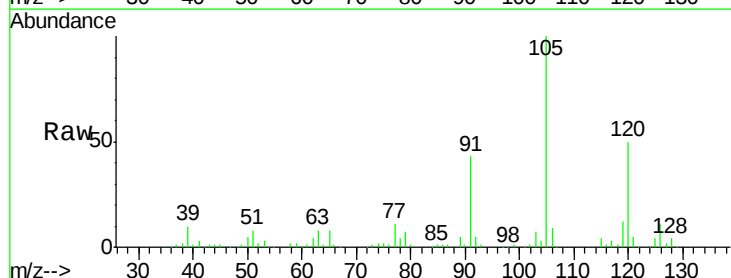
Acq: 29 Apr 2019 14:58

Tgt Ion: 105 Resp: 397933

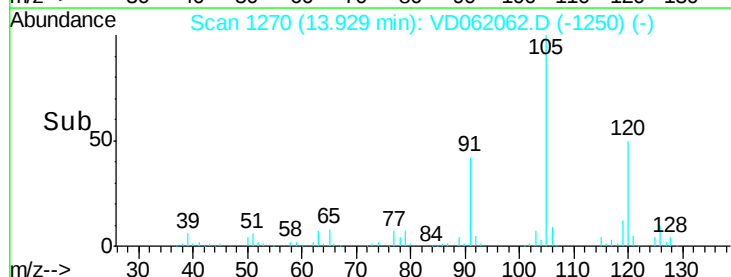
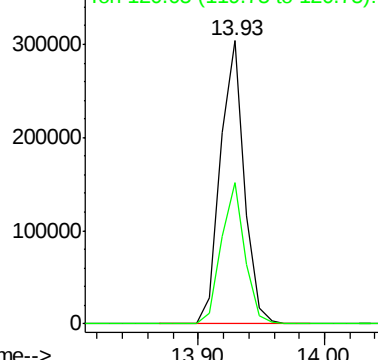
Ion Ratio Lower Upper

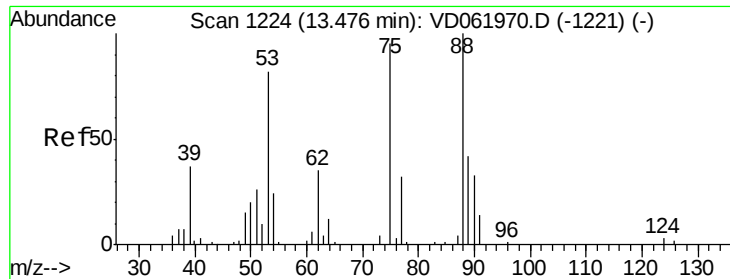
105 100

120 49.9 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)

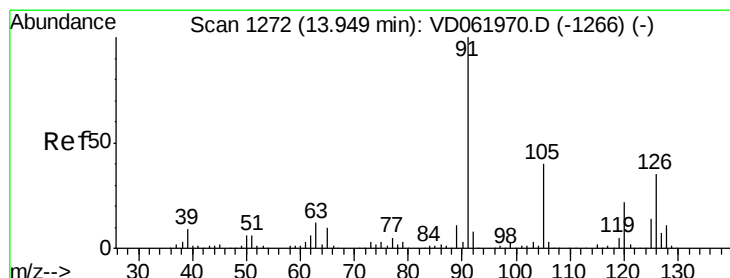
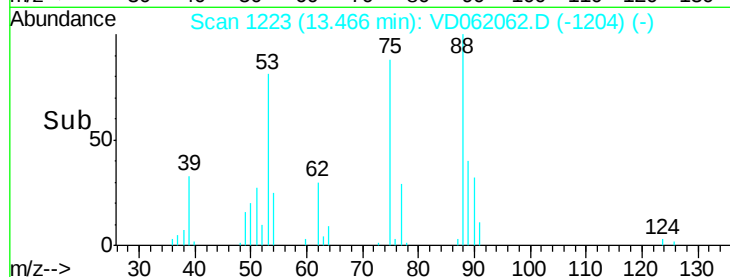
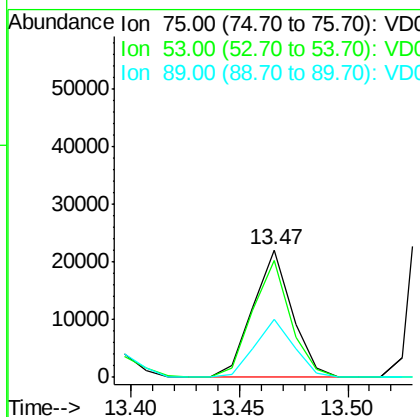
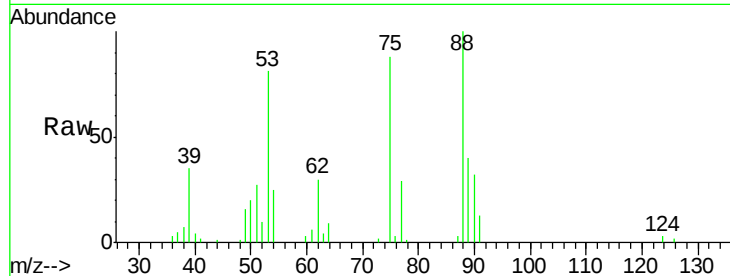




#81
trans-1,4-Dichloro-2-butene
Concen: 20.771 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

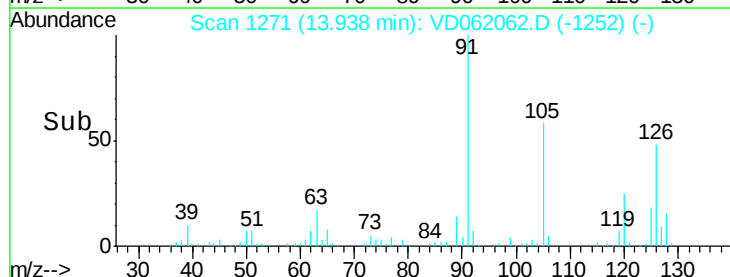
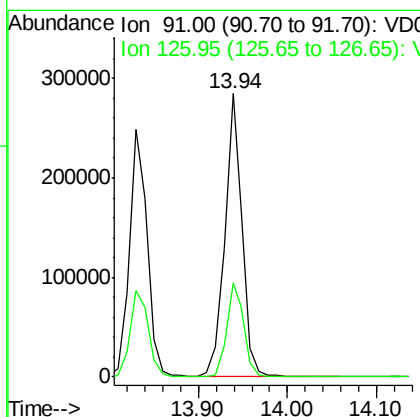
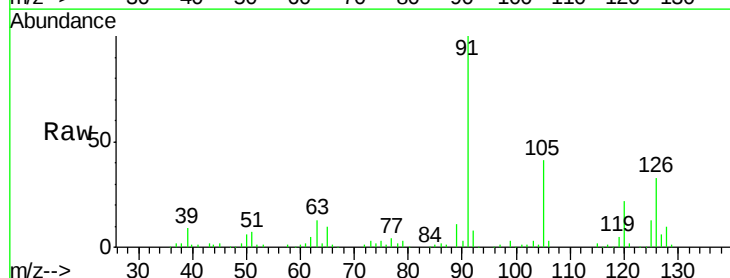
Instrument :
MSVOA_D
ClientSampleId :
VD0429SBS01

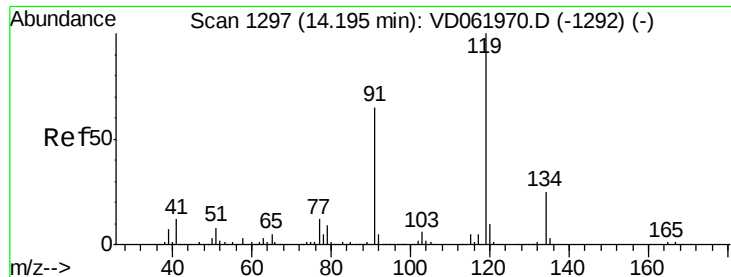
Tot Ion: 75 Resp: 27848
Ion Ratio Lower Upper
75 100
53 91.7 65.8 98.8
89 45.5 35.0 52.6



#82
4-Chlorotoluene
Concen: 21.900 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Tgt Ion: 91 Resp: 388659
Ion Ratio Lower Upper
91 100
126 33.1 19.1 57.5

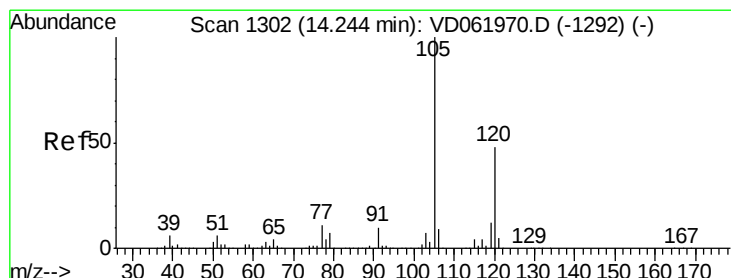
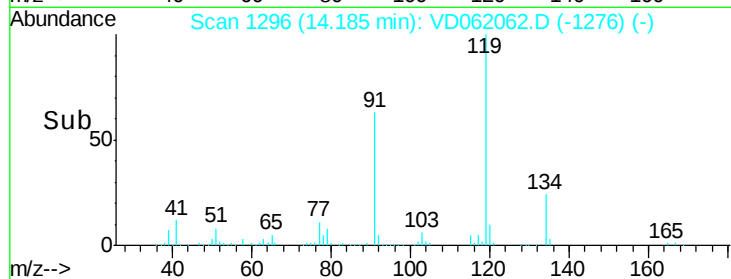
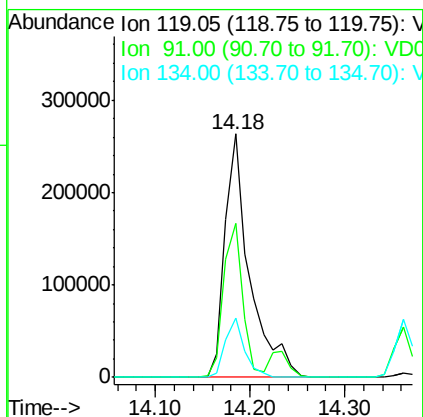
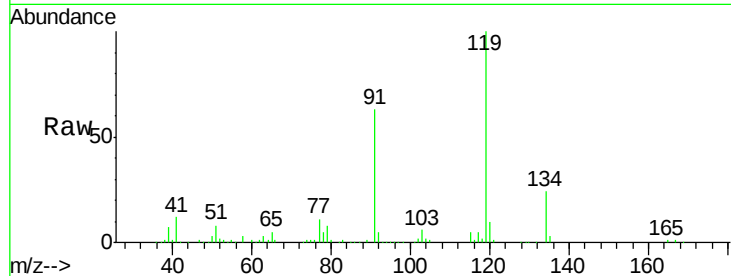




#83
 tert-Butylbenzene
 Concen: 22.185 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

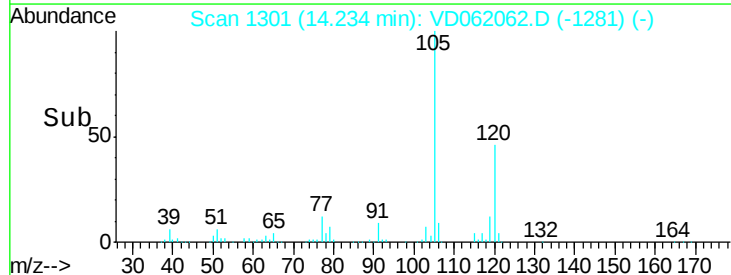
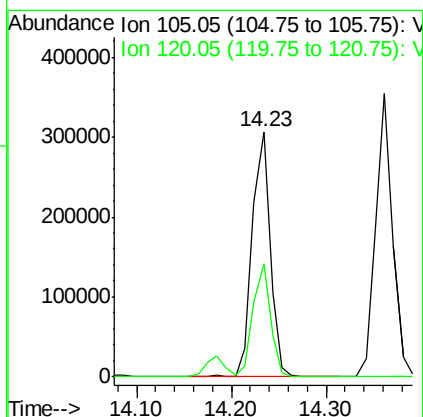
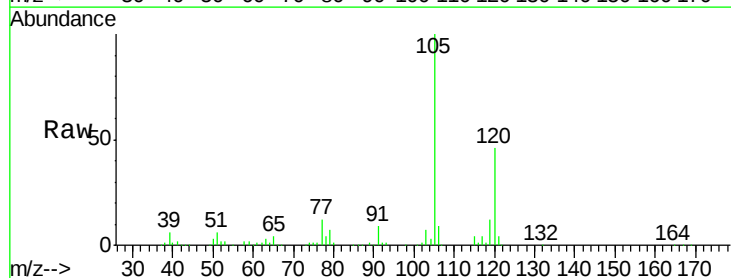
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

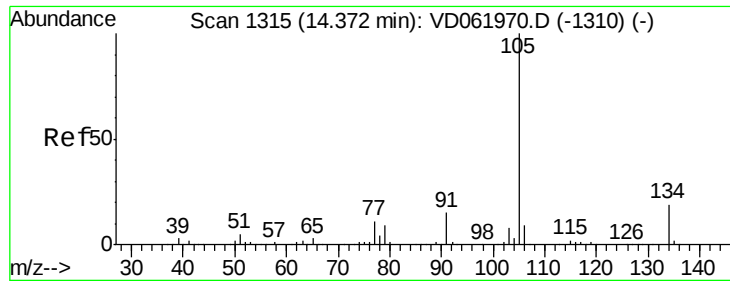
Tot Ion:119 Resp: 476257
 Ion Ratio Lower Upper
 119 100
 91 63.1 34.2 102.6
 134 24.3 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 22.984 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Tgt Ion:105 Resp: 406695
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.1 69.2





#85

sec-Butylbenzene

Concen: 19.313 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

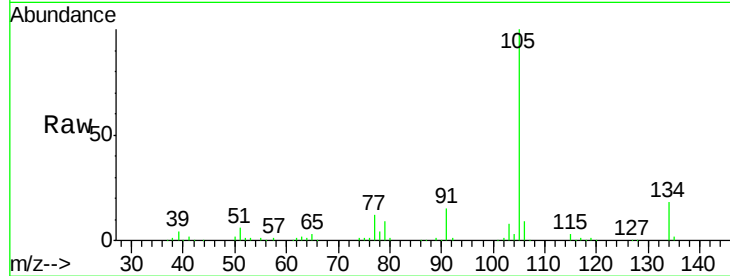
VD0429SBS01

Tot Ion:105 Resp: 447978

Ion Ratio Lower Upper

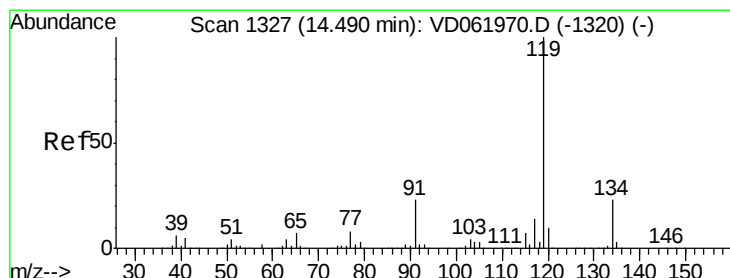
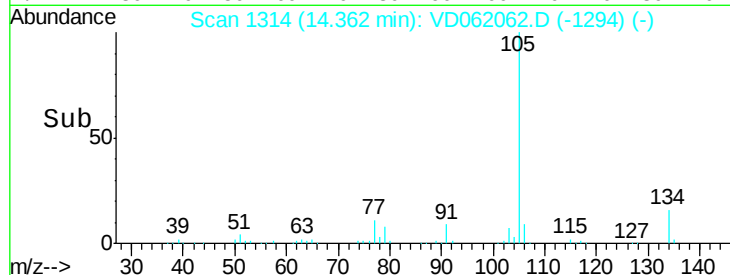
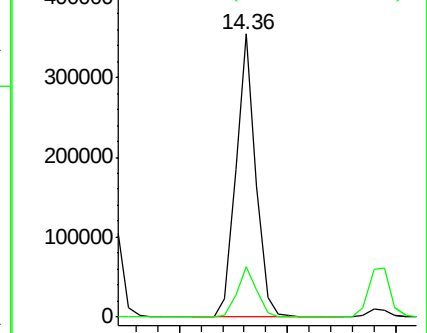
105 100

134 17.7 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 18.436 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD062062.D

Acq: 29 Apr 2019 14:58

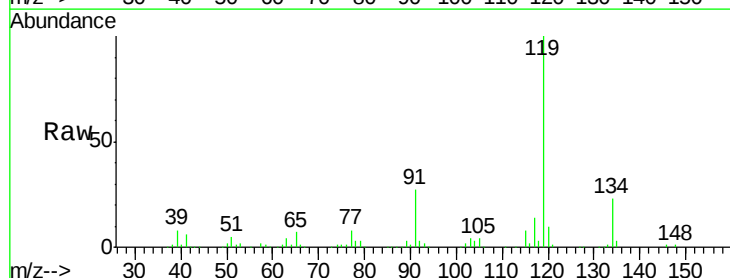
Tgt Ion:119 Resp: 382724

Ion Ratio Lower Upper

119 100

134 22.7 12.8 38.3

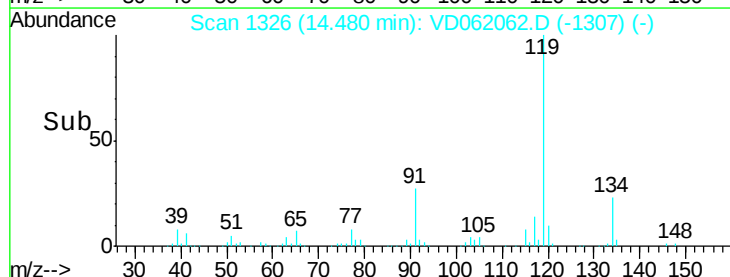
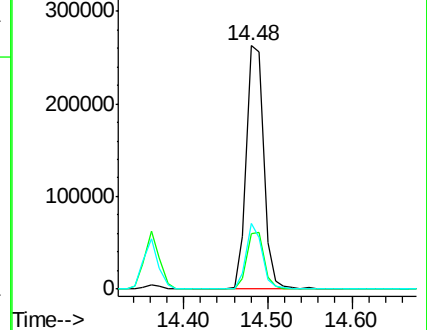
91 26.8 10.7 32.1

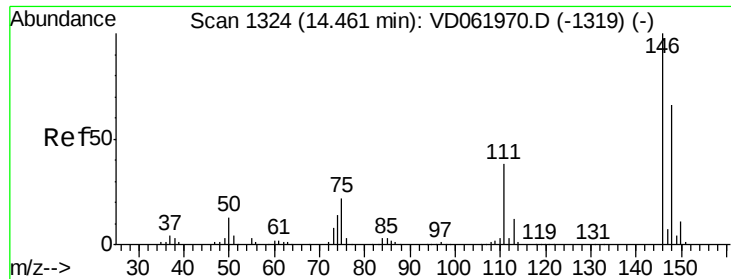


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

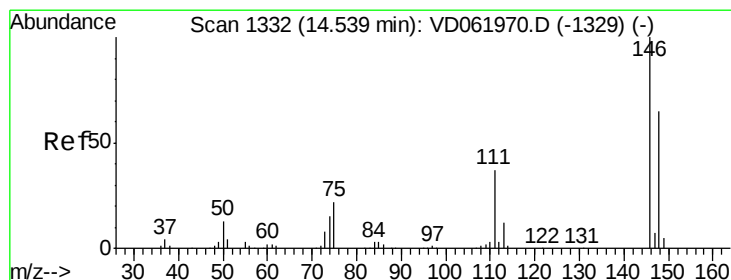
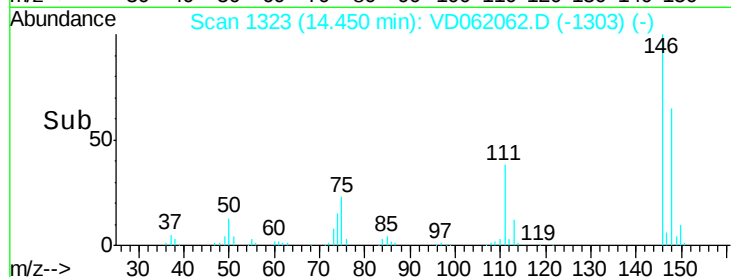
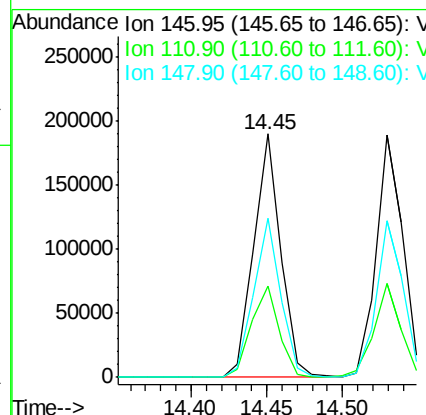
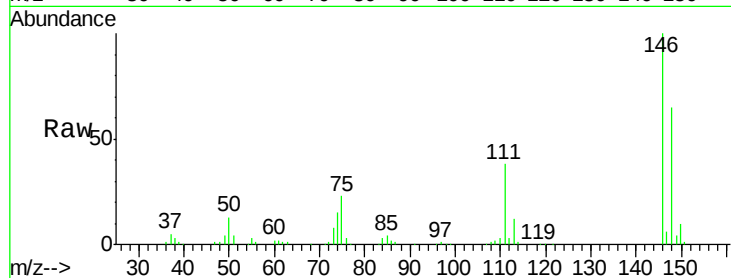




#87
 1,3-Dichlorobenzene
 Concen: 20.271 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

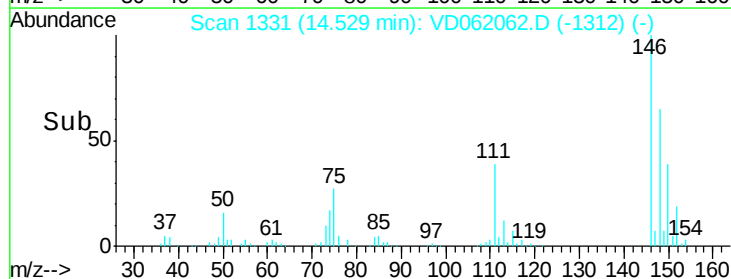
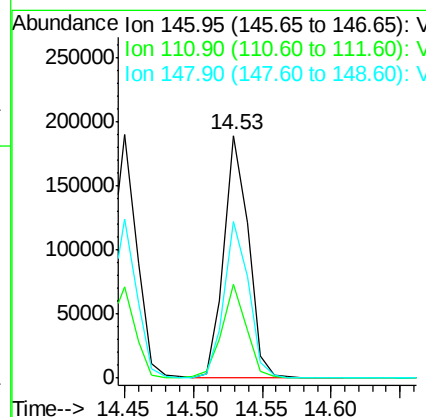
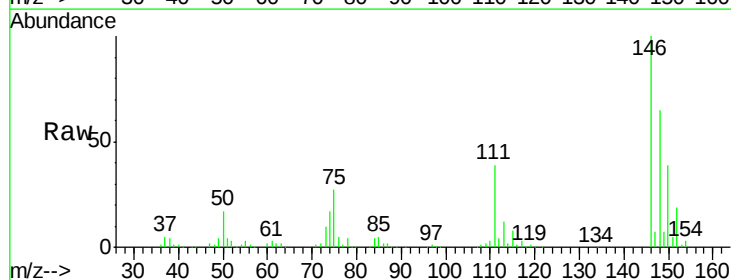
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

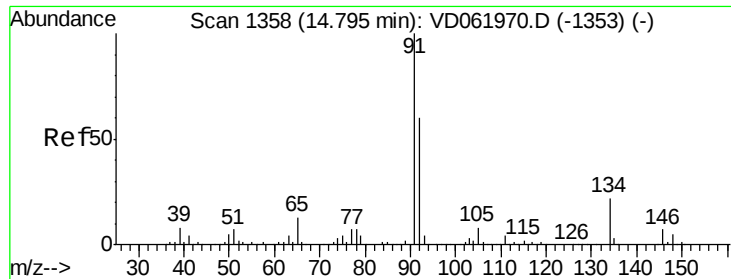
Tot Ion:146 Resp: 236670
 Ion Ratio Lower Upper
 146 100
 111 37.7 20.0 60.0
 148 65.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.449 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Tgt Ion:146 Resp: 234191
 Ion Ratio Lower Upper
 146 100
 111 38.6 20.2 60.5
 148 64.6 32.0 96.2

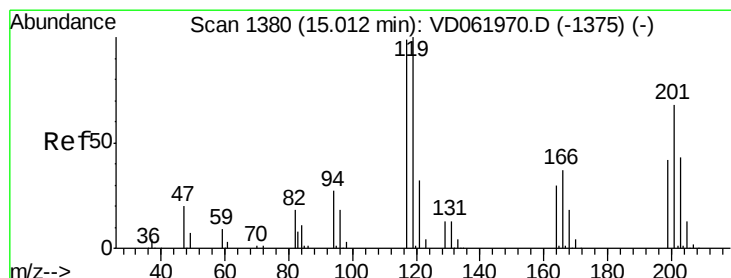
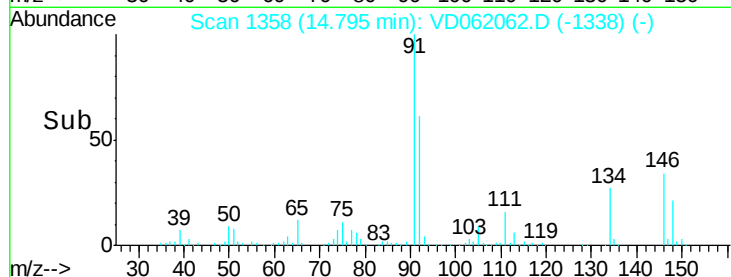
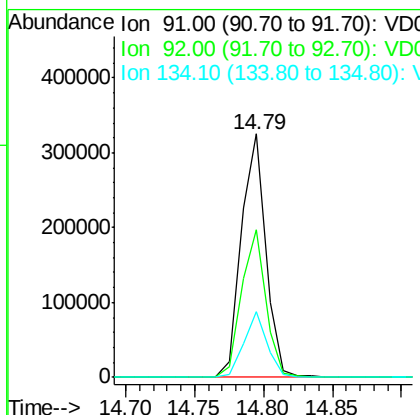
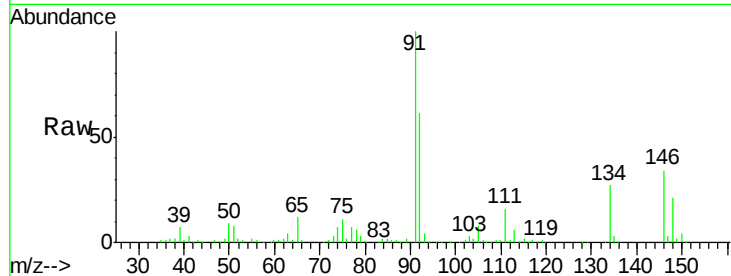




#89
n-Butylbenzene
Concen: 21.838 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

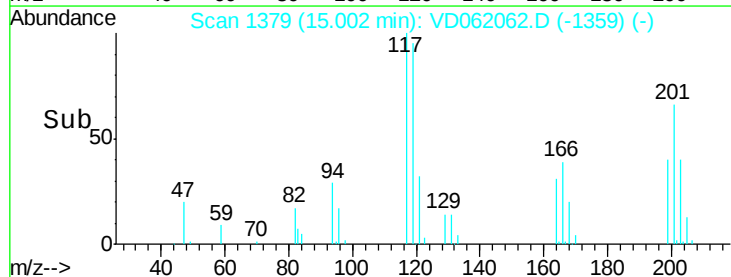
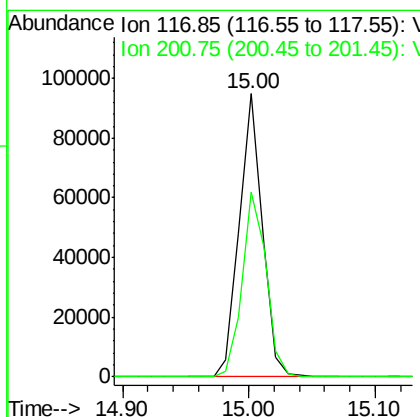
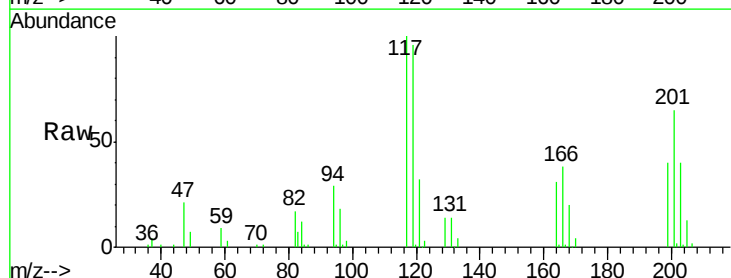
Instrument :
MSVOA_D
ClientSampleId :
VD0429SBS01

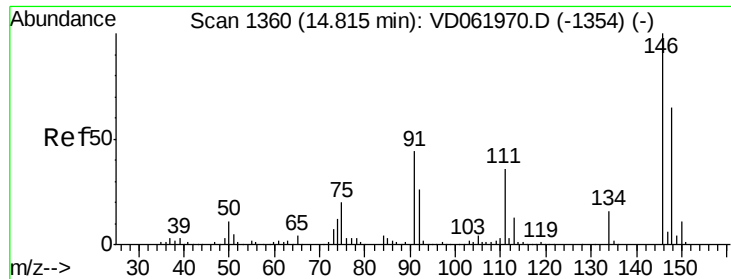
Tot Ion: 91 Resp: 407001
Ion Ratio Lower Upper
91 100
92 60.6 30.3 91.0
134 26.9 14.5 43.6



#90
Hexachloroethane
Concen: 21.222 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Tgt Ion: 117 Resp: 119129
Ion Ratio Lower Upper
117 100
201 65.3 30.2 90.6

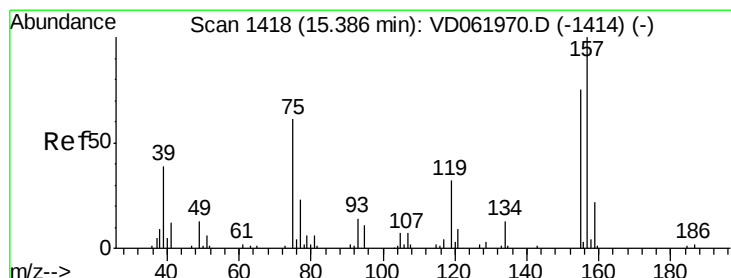
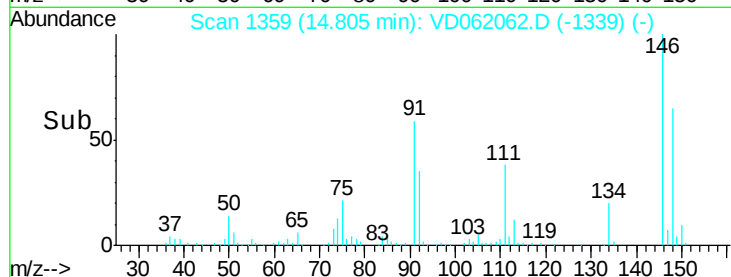
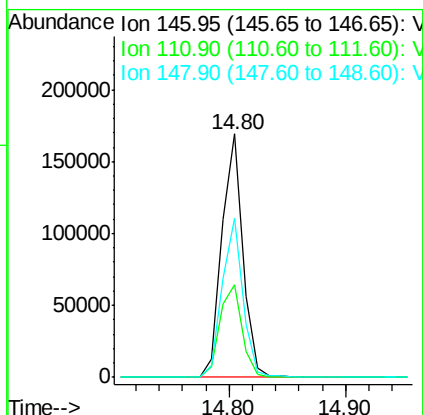
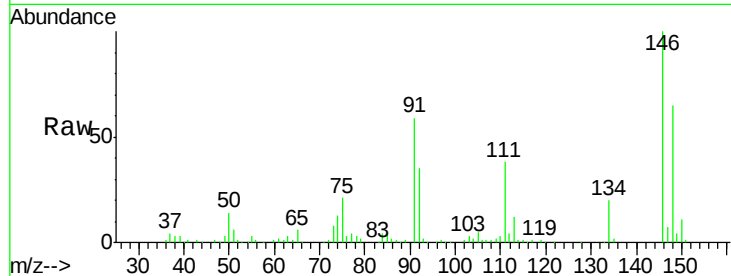




#91
 1,2-Dichlorobenzene
 Concen: 21.996 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

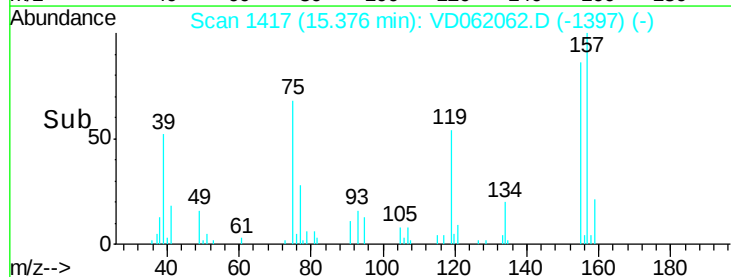
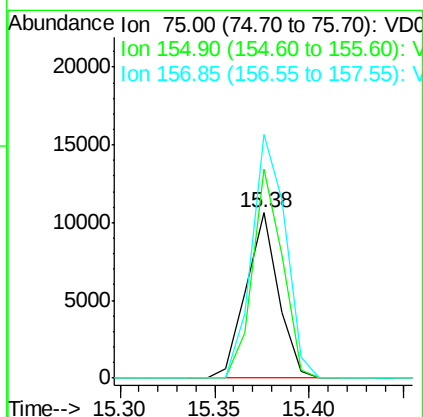
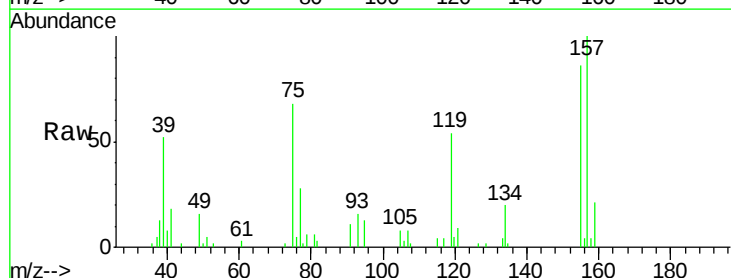
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

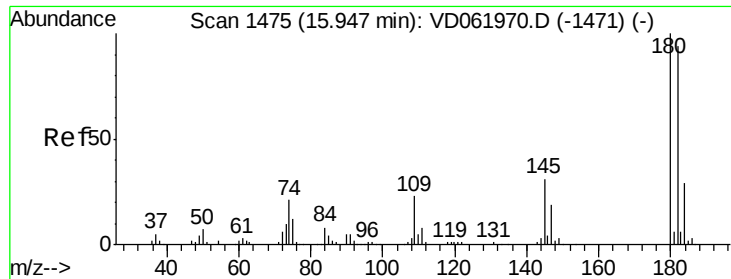
Tot Ion:146 Resp: 211841
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.0 59.9
 148 65.3 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.339 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Tgt Ion: 75 Resp: 12574
 Ion Ratio Lower Upper
 75 100
 155 126.6 55.3 165.8
 157 147.6 67.8 203.2

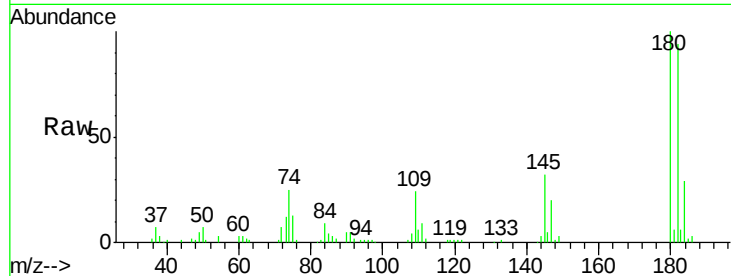




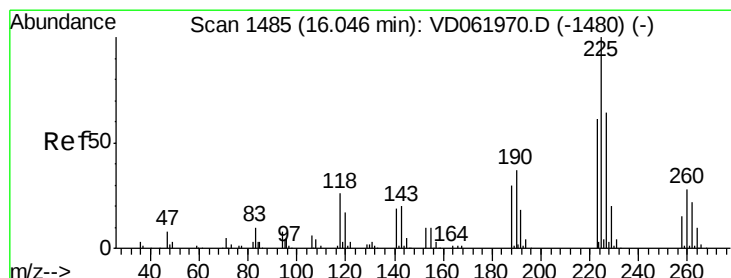
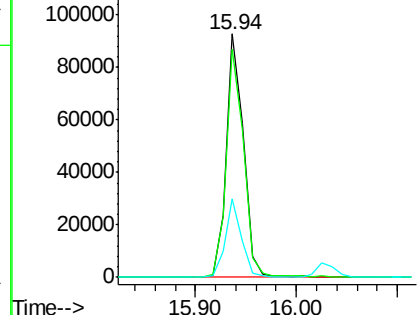
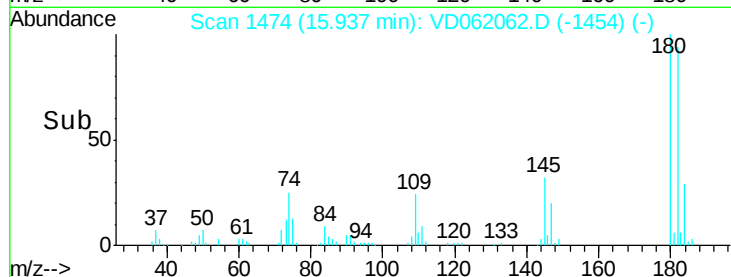
#93
 1,2,4-Trichlorobenzene
 Concen: 21.311 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	49.3	147.8
145	32.3	16.2	48.6

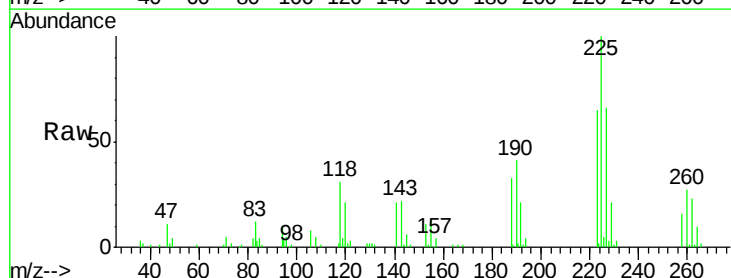


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

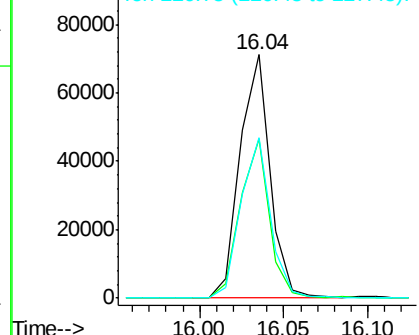
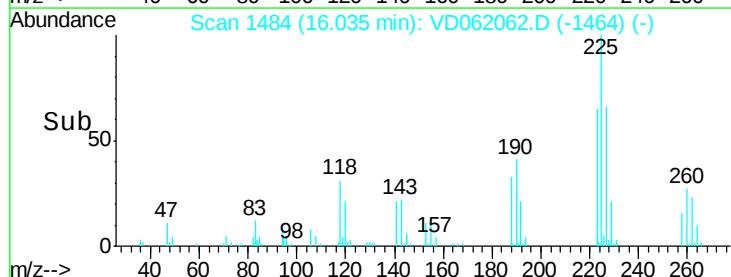


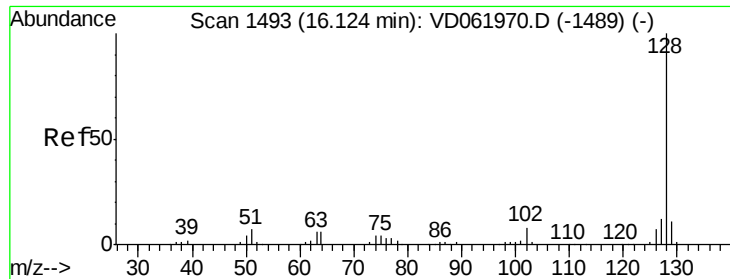
#94
 Hexachlorobutadiene
 Concen: 22.932 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062062.D
 Acq: 29 Apr 2019 14:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	30.6	92.0
227	65.8	32.0	96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

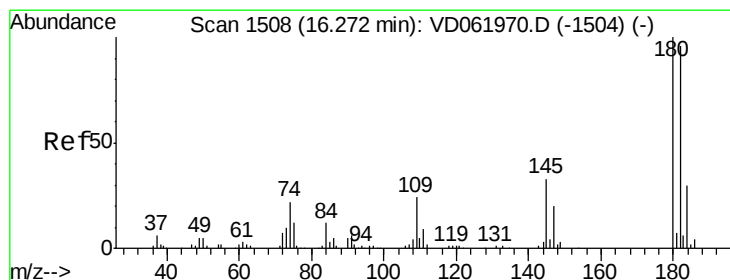
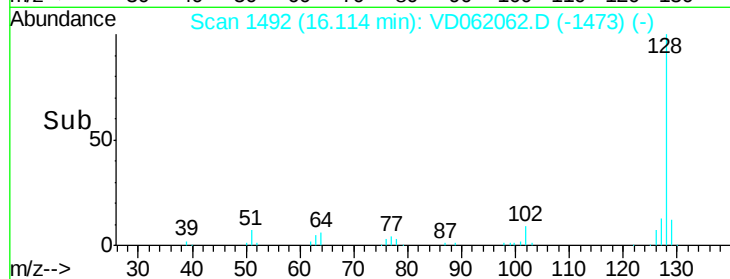
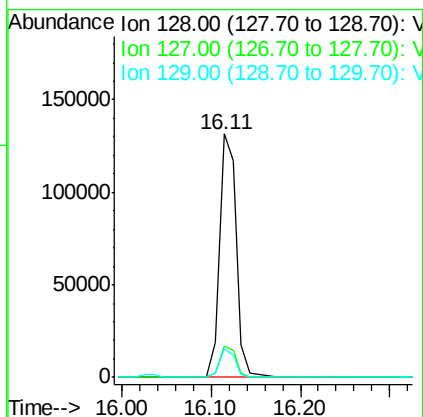
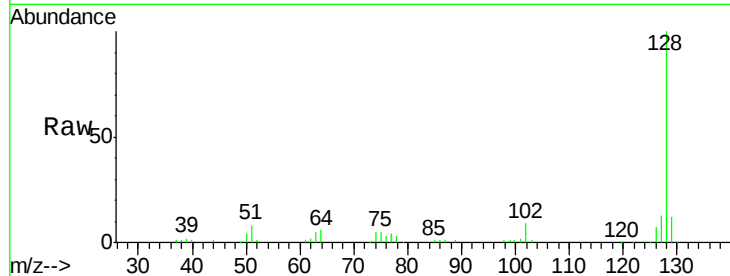




#95
Naphthalene
Concen: 20.647 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
VD0429SBS01

Tot Ion:128 Resp: 173232
Ion Ratio Lower Upper
128 100
127 12.6 9.8 14.8
129 11.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.388 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD062062.D
Acq: 29 Apr 2019 14:58

Tgt Ion:180 Resp: 63060
Ion Ratio Lower Upper
180 100
182 91.9 47.0 141.0
145 33.4 17.0 51.0

