

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042519\
 Data File : VD062031.D
 Acq On : 25 Apr 2019 11:33
 Operator : VA/AP
 Sample : VD0425SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

Quant Time: Apr 25 11:57:11 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	7.05	168	557250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	875833	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	804886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	379147	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	241195	55.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.60%	
35) Dibromofluoromethane	6.93	113	352722	58.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.46%	
50) Toluene-d8	10.42	98	827755	57.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.86%	
62) 4-Bromofluorobenzene	13.56	95	324899	56.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	96573	19.408	ug/l	95
3) Chloromethane	1.76	50	77162	18.246	ug/l	93
4) Vinyl Chloride	1.85	62	77516	20.223	ug/l	98
5) Bromomethane	2.16	94	19812	17.039	ug/l #	80
6) Chloroethane	2.27	64	23779	17.162	ug/l	99
7) Trichlorofluoromethane	2.53	101	131358	22.665	ug/l	93
8) Diethyl Ether	2.88	74	31698	20.407	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.15	101	116619	21.843	ug/l	94
10) Methyl Iodide	3.31	142	130431	19.723	ug/l	94
11) Tert butyl alcohol	4.08	59	27492	111.566	ug/l #	94
12) 1,1-Dichloroethene	3.13	96	95425	21.009	ug/l	97
13) Acrolein	3.05	56	30306	118.533	ug/l	99
14) Allyl chloride	3.63	41	134677	21.714	ug/l	96
15) Acrylonitrile	4.21	53	76011	99.615	ug/l	96
16) Acetone	3.23	43	110711	106.314	ug/l	99
17) Carbon Disulfide	3.38	76	260829	19.872	ug/l	98
18) Methyl Acetate	3.65	43	43792	21.976	ug/l #	86
19) Methyl tert-butyl Ether	4.25	73	176014	19.530	ug/l	96
20) Methylene Chloride	3.82	84	120224	21.924	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	97718	18.753	ug/l	92
22) Diisopropyl ether	5.12	45	287971	19.886	ug/l	92
23) Vinyl Acetate	5.06	43	763530	101.249	ug/l	97
24) 1,1-Dichloroethane	4.99	63	177033	20.227	ug/l	98
25) 2-Butanone	6.08	43	127647	101.101	ug/l	97
26) 2,2-Dichloropropane	6.03	77	159470	20.885	ug/l	95
27) cis-1,2-Dichloroethene	6.05	96	117720	19.859	ug/l	95
28) Bromochloromethane	6.45	49	71136	21.242	ug/l	100
29) Tetrahydrofuran	6.46	42	61232	98.428	ug/l	98
30) Chloroform	6.68	83	204196	20.541	ug/l	97
31) Cyclohexane	6.96	56	132550	20.404	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	176051	20.354	ug/l	96
36) 1,1-Dichloropropene	7.15	75	146743	21.505	ug/l	98
37) Ethyl Acetate	6.19	43	58207	20.017	ug/l #	93
38) Carbon Tetrachloride	7.12	117	186932	21.619	ug/l	98

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Quant Time: Apr 25 11:57:11 2019
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 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)
39) Methylcyclohexane	8.87	83	138131	20.517	ug/l	95
40) Benzene	7.47	78	337756	19.994	ug/l	99
41) Methacrylonitrile	6.46	41	70019	20.638	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	125848	21.941	ug/l	99
43) Isopropyl Acetate	9.25	43	77984	18.355	ug/l	97
44) Trichloroethene	8.55	130	125485	19.160	ug/l	99
45) 1,2-Dichloropropane	8.94	63	82842	19.330	ug/l	99
46) Dibromomethane	9.07	93	61350	19.895	ug/l	93
47) Bromodichloromethane	9.39	83	155296	21.313	ug/l	100
48) Methyl methacrylate	9.13	41	51793	21.366	ug/l	95
49) 1,4-Dioxane	9.09	88	10490	401.377	ug/l #	80
51) 4-Methyl-2-Pentanone	10.30	43	304116	117.042	ug/l	98
52) Toluene	10.52	92	254539	23.631	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	143179	23.410	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	153337	20.613	ug/l	100
55) 1,1,2-Trichloroethane	11.20	97	84438	23.350	ug/l	97
56) Ethyl methacrylate	11.05	69	96678	24.139	ug/l	99
57) 1,3-Dichloropropane	11.41	76	124153	22.229	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	239561	128.654	ug/l	96
59) 2-Hexanone	11.53	43	212817	109.186	ug/l	96
60) Dibromochloromethane	11.69	129	137861	23.041	ug/l	99
61) 1,2-Dibromoethane	11.81	107	98881	23.051	ug/l	99
64) Tetrachloroethene	11.27	164	114303	19.908	ug/l	97
65) Chlorobenzene	12.41	112	286834	18.859	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	130352	20.205	ug/l	99
67) Ethyl Benzene	12.53	91	497717	20.049	ug/l	99
68) m/p-Xylenes	12.67	106	364950	40.675	ug/l	97
69) o-Xylene	13.06	106	158053	19.253	ug/l	97
70) Styrene	13.08	104	303165	21.387	ug/l	98
71) Bromoform	13.23	173	69668	18.941	ug/l #	95
73) Isopropylbenzene	13.40	105	469787	18.575	ug/l	99
74) N-amyl acetate	13.26	43	120946	18.568	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	95345	19.237	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	85355	17.728	ug/l	100
77) Bromobenzene	13.68	156	137501	18.952	ug/l	99
78) n-propylbenzene	13.78	91	586473	20.256	ug/l	100
79) 2-Chlorotoluene	13.84	91	335402	19.125	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	386697	19.175	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	29599	20.287	ug/l	98
82) 4-Chlorotoluene	13.95	91	365473	18.923	ug/l	98
83) tert-Butylbenzene	14.19	119	412469	17.656	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	386674	20.081	ug/l	95
85) sec-Butylbenzene	14.37	105	475731	18.846	ug/l	96
86) p-Isopropyltoluene	14.49	119	458656	20.302	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	251269	19.776	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	242903	20.443	ug/l	95
89) n-Butylbenzene	14.80	91	406405	20.037	ug/l	95
90) Hexachloroethane	15.01	117	108293	17.727	ug/l	86
91) 1,2-Dichlorobenzene	14.81	146	207128	19.763	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12063	18.242	ug/l	80

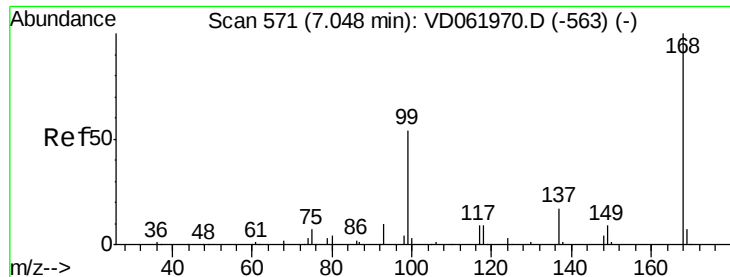
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042519\
Data File : VD062031.D
Acq On : 25 Apr 2019 11:33
Operator : VA/AP
Sample : VD0425SBS01
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Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	101390	17.930	ug/l	96
94) Hexachlorobutadiene	16.04	225	81063	19.371	ug/l	98
95) Naphthalene	16.13	128	157566	17.257	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	61745	19.244	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

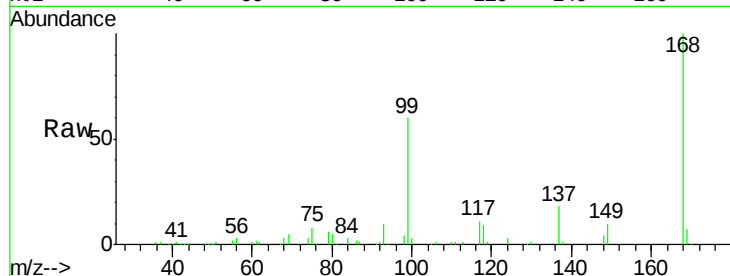
VD0425SBS01

Tot Ion:168 Resp: 557250

Ion Ratio Lower Upper

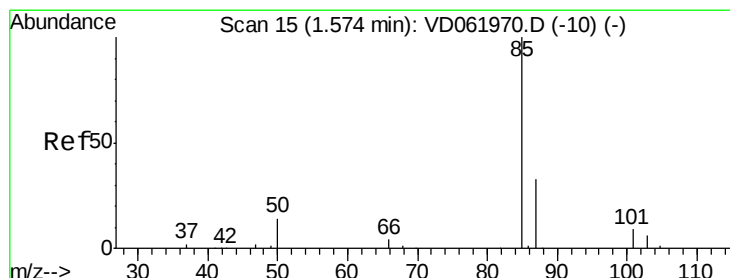
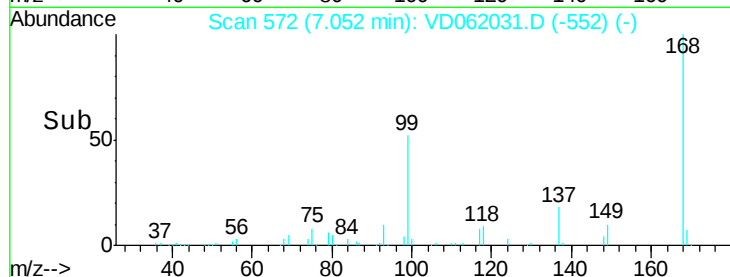
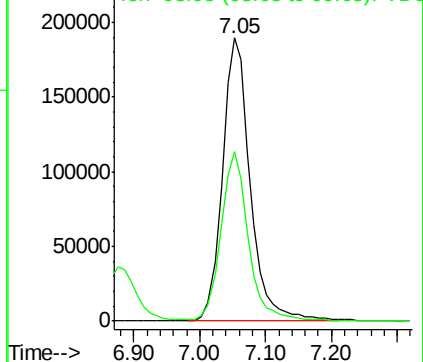
168 100

99 60.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.408 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD062031.D

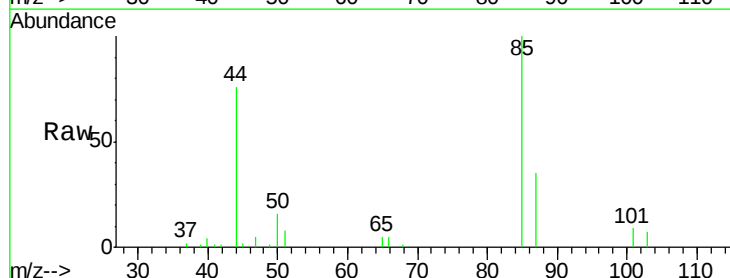
Acq: 25 Apr 2019 11:33

Tgt Ion: 85 Resp: 96573

Ion Ratio Lower Upper

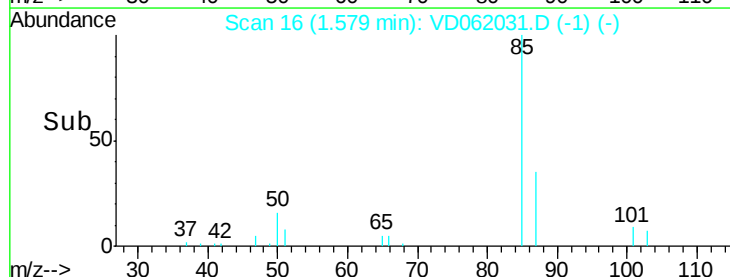
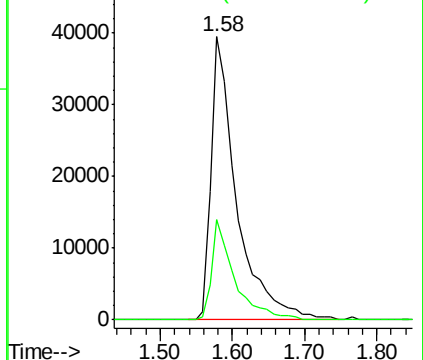
85 100

87 35.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

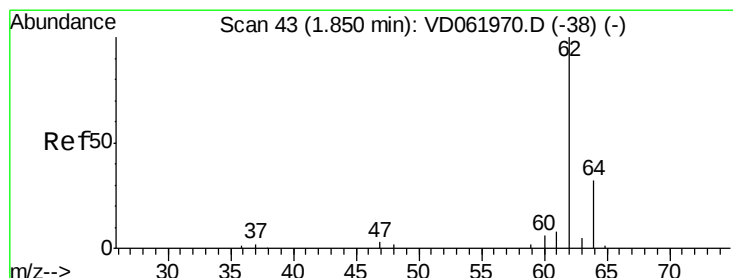
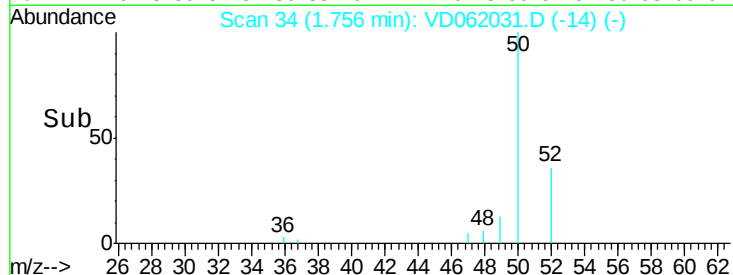
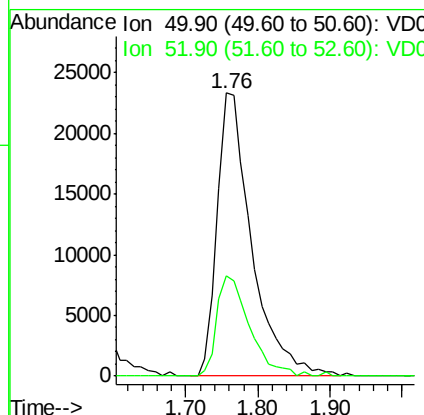
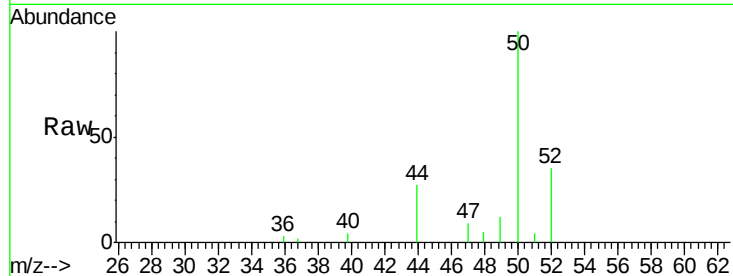




#3
 Chloromethane
 Concen: 18.246 ug/l
 RT: 1.76 min Scan# 34
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

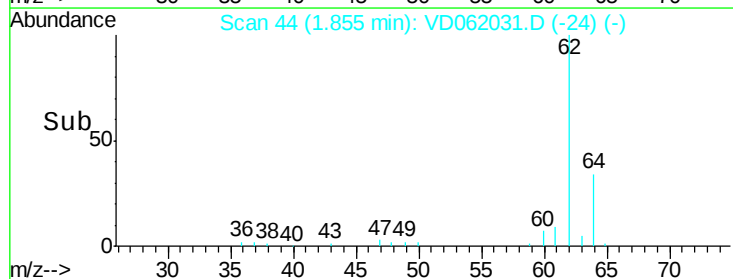
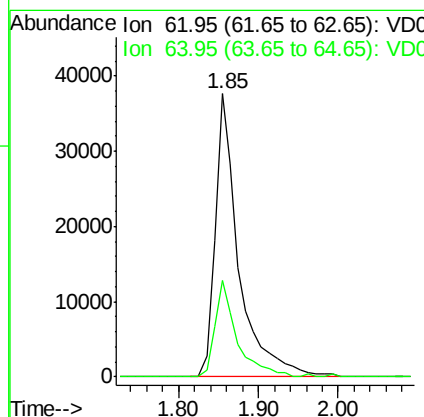
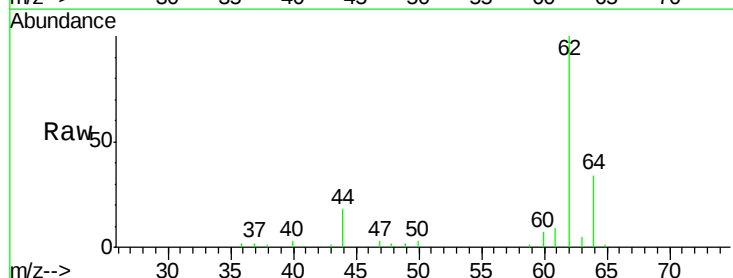
Instrument :
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 ClientSampleId :
 VD0425SBS01

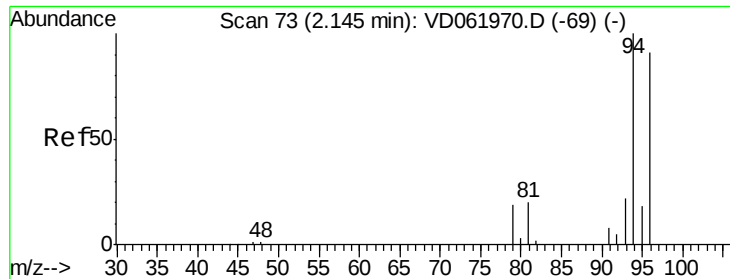
Tot Ion: 50 Resp: 77162
 Ion Ratio Lower Upper
 50 100
 52 35.3 25.2 37.8



#4
 Vinyl Chloride
 Concen: 20.223 ug/l
 RT: 1.85 min Scan# 44
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 62 Resp: 77516
 Ion Ratio Lower Upper
 62 100
 64 34.0 26.5 39.7

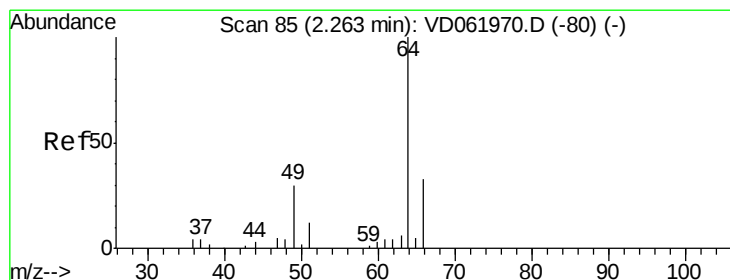
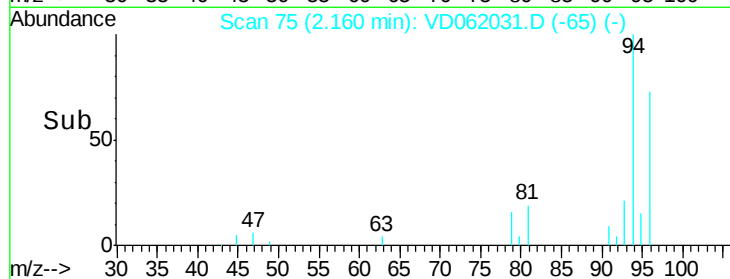
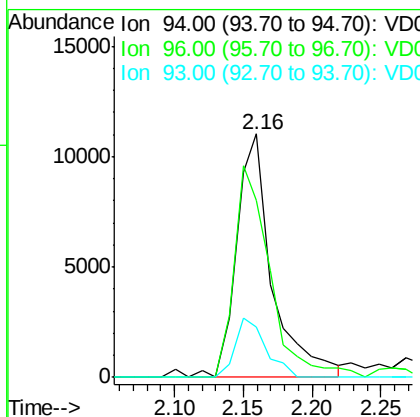
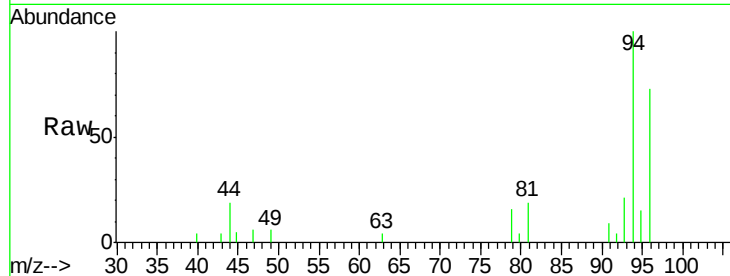




#5
Bromomethane
Concen: 17.039 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

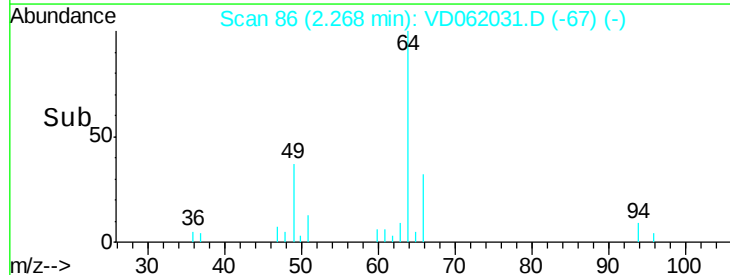
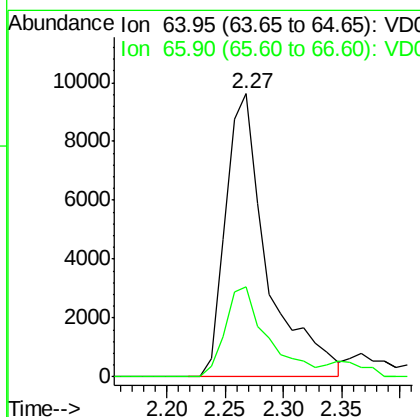
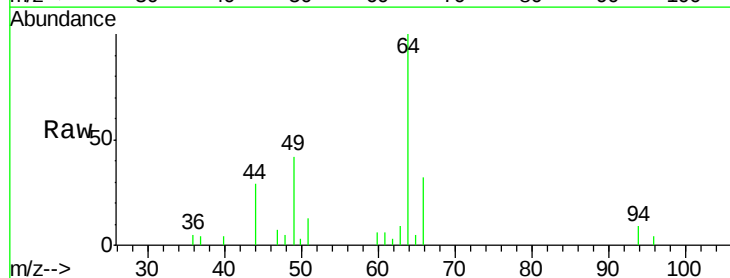
Instrument :
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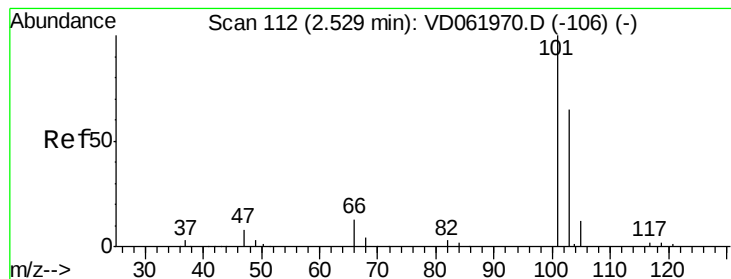
Tot Ion: 94 Resp: 19812
Ion Ratio Lower Upper
94 100
96 72.7 76.6 115.0#
93 20.6 18.5 27.7



#6
Chloroethane
Concen: 17.162 ug/l
RT: 2.27 min Scan# 86
Delta R.T. -0.01 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 64 Resp: 23779
Ion Ratio Lower Upper
64 100
66 31.7 25.6 38.4



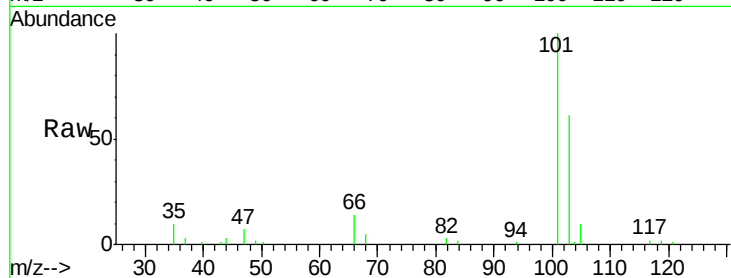


#7

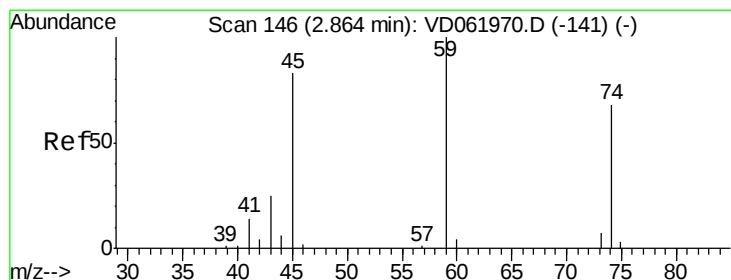
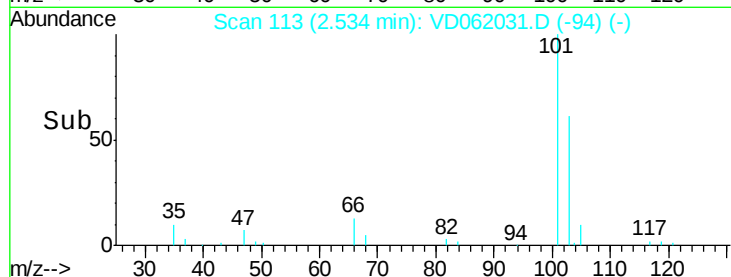
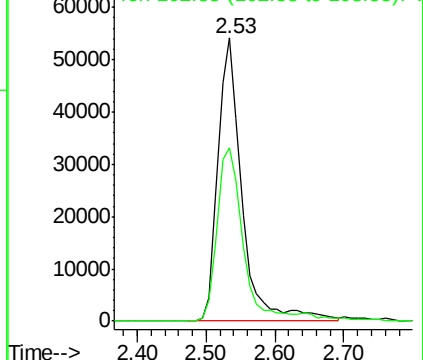
Trichlorofluoromethane
Concen: 22.665 ug/l
RT: 2.53 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tot Ion:101 Resp: 131358
Ion Ratio Lower Upper
101 100
103 61.1 53.6 80.4



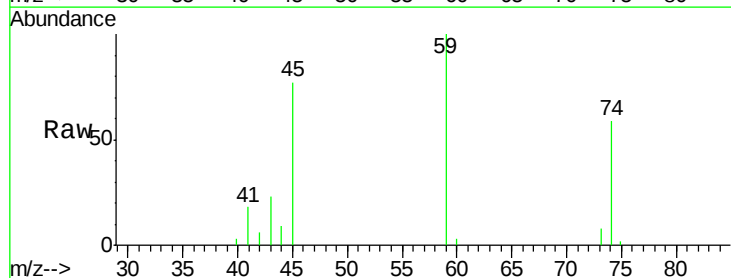
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



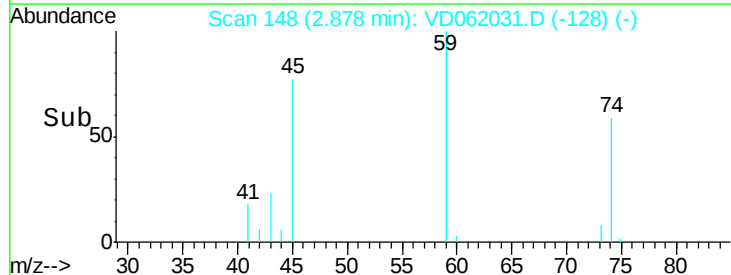
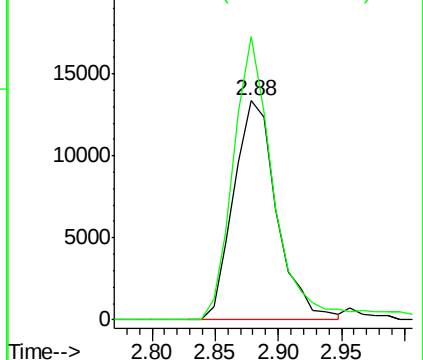
#8

Diethyl Ether
Concen: 20.407 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 74 Resp: 31698
Ion Ratio Lower Upper
74 100
45 129.2 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: 21.843 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

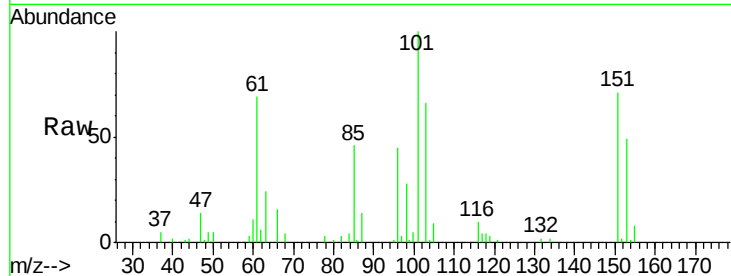
Tot Ion:101 Resp: 116619

Ion Ratio Lower Upper

101 100

85 46.4 32.4 48.6

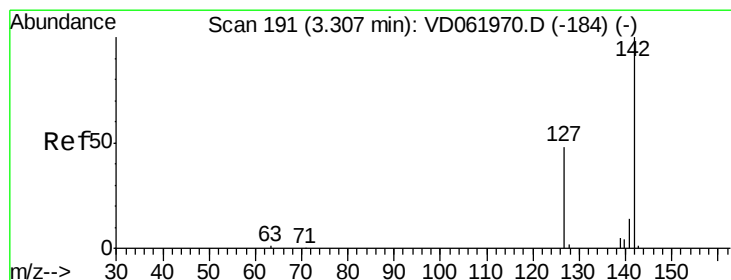
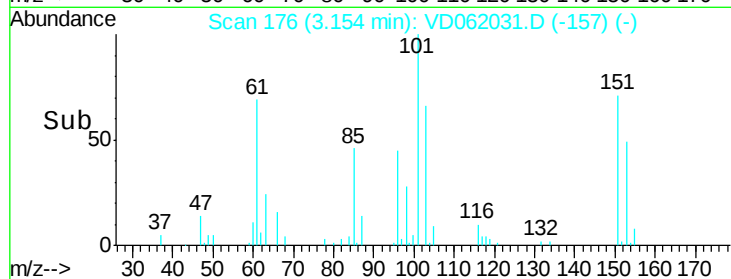
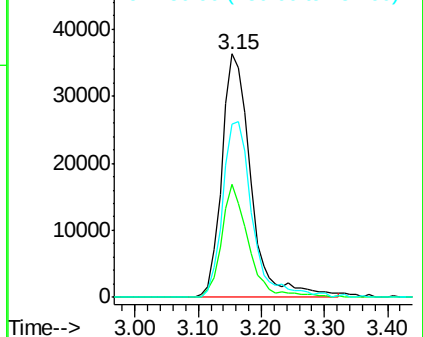
151 71.1 59.4 89.0



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: 19.723 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

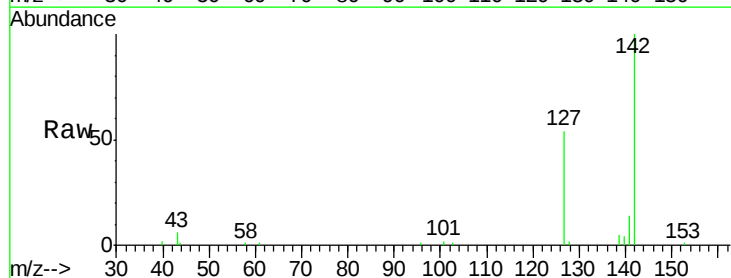
Tgt Ion:142 Resp: 130431

Ion Ratio Lower Upper

142 100

127 53.6 38.8 58.2

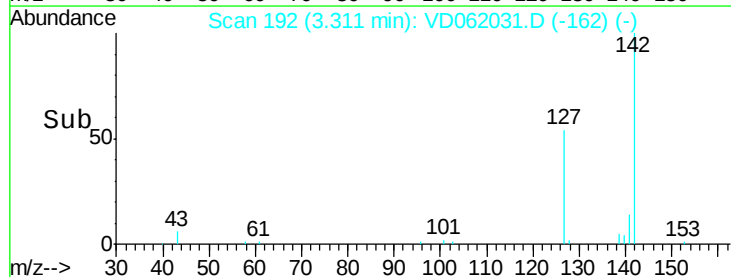
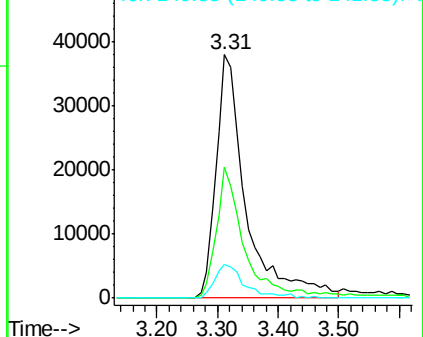
141 13.8 11.4 17.0

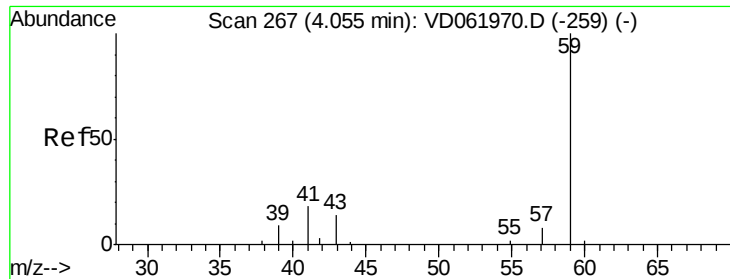


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

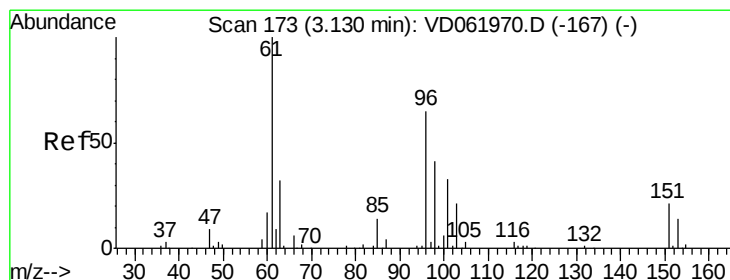
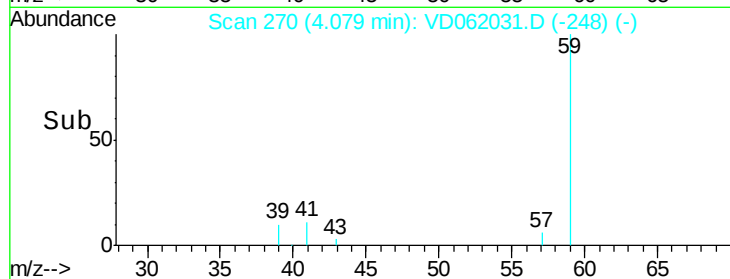
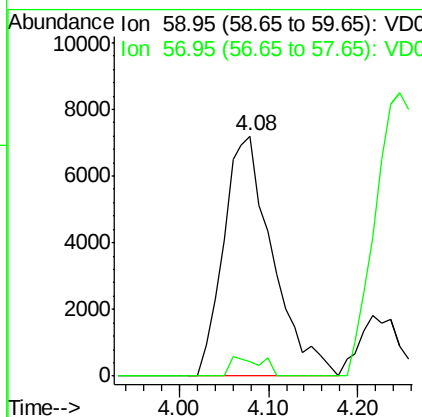
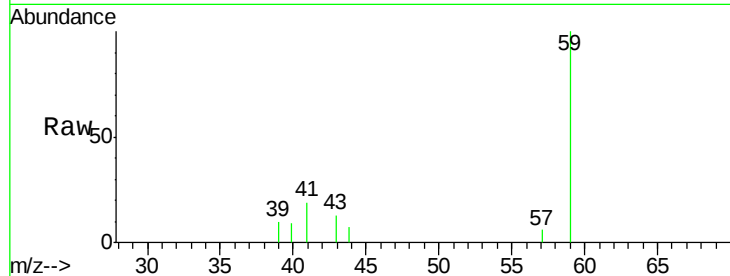




#11
Tert butyl alcohol
Concen: 111.566 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

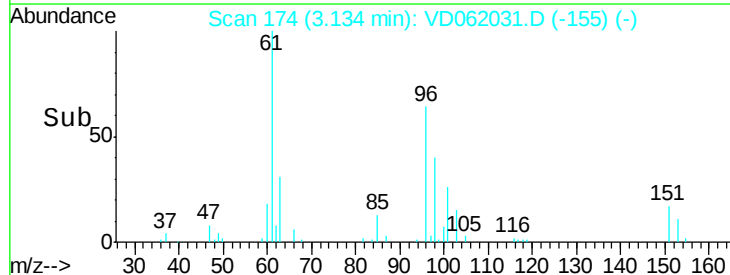
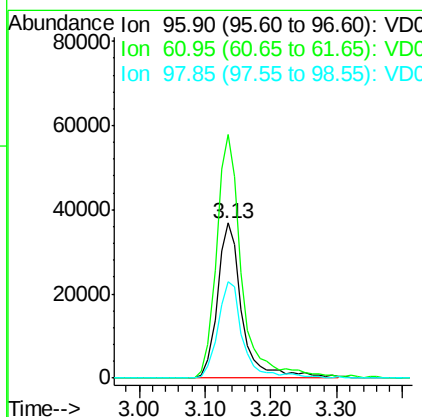
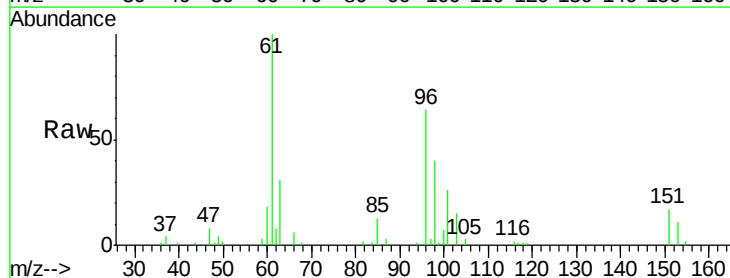
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

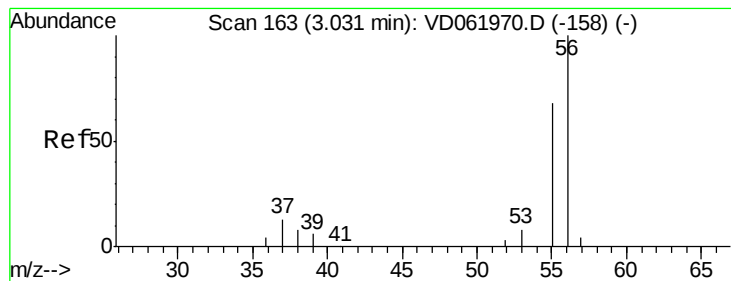
Tot Ion: 59 Resp: 27492
Ion Ratio Lower Upper
59 100
57 6.3 6.9 10.3#



#12
1,1-Dichloroethene
Concen: 21.009 ug/l
RT: 3.13 min Scan# 174
Delta R.T. -0.01 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 96 Resp: 95425
Ion Ratio Lower Upper
96 100
61 157.3 129.8 194.8
98 62.2 51.2 76.8





#13

Acrolein

Concen: 118.533 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

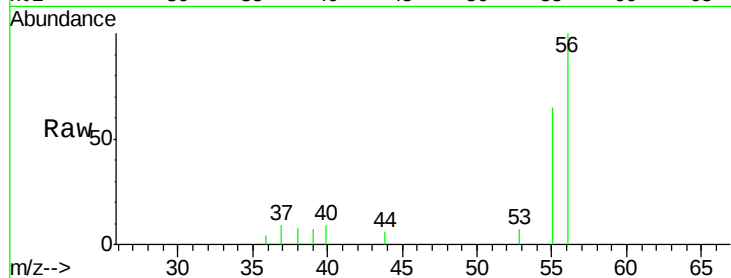
VD0425SBS01

Tot Ion: 56 Resp: 30306

Ion Ratio Lower Upper

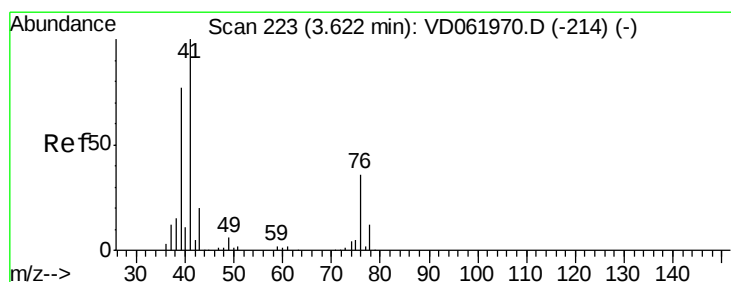
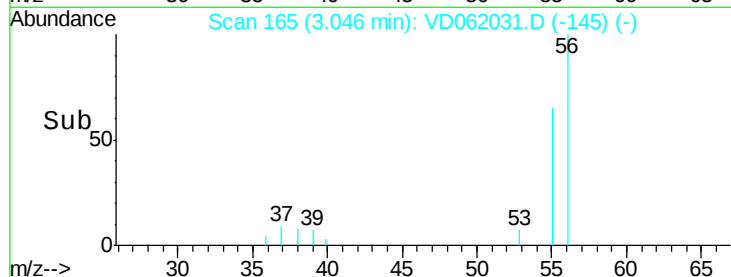
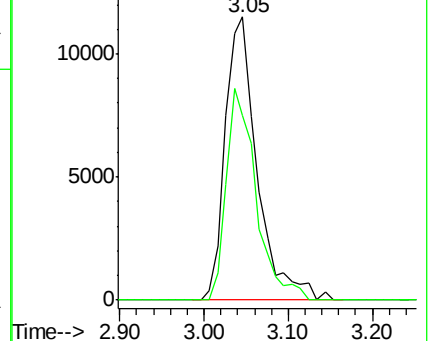
56 100

55 65.2 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.714 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

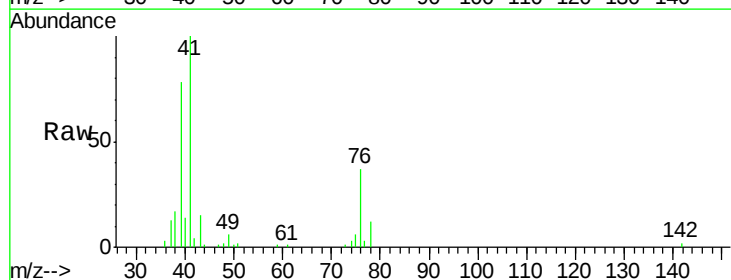
Tgt Ion: 41 Resp: 134677

Ion Ratio Lower Upper

41 100

39 78.2 60.5 90.7

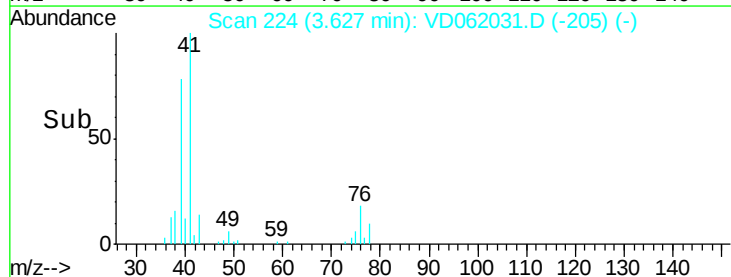
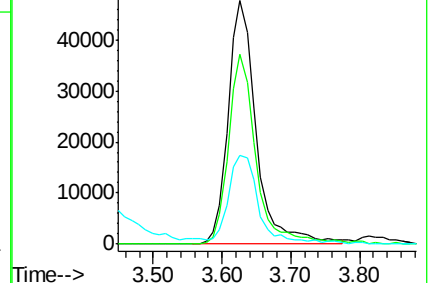
76 36.5 31.8 47.8

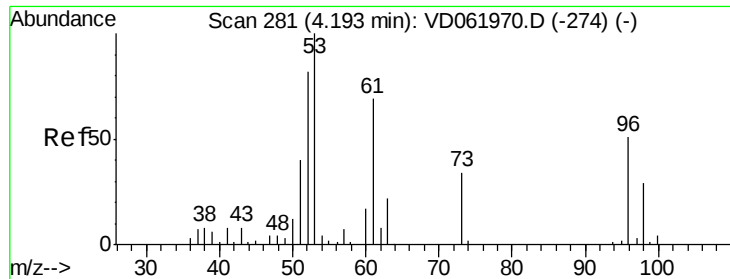


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.615 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

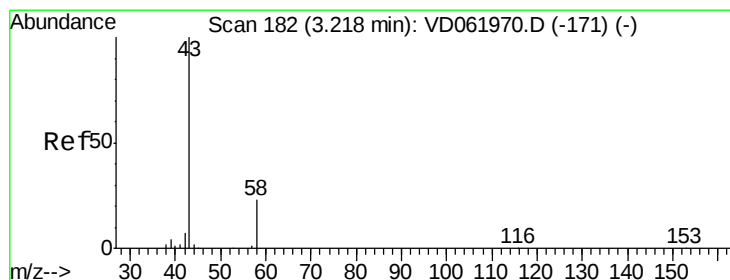
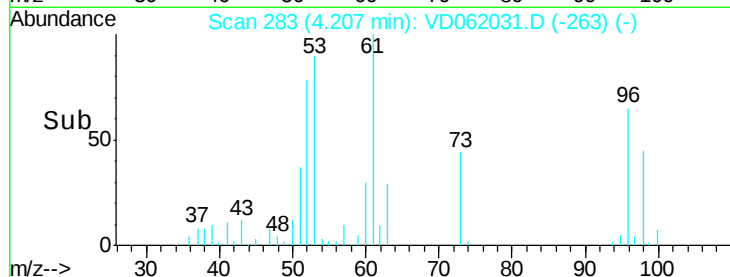
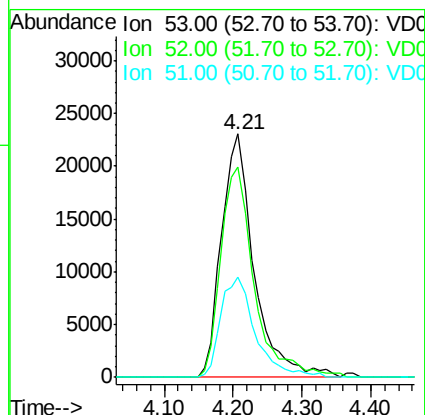
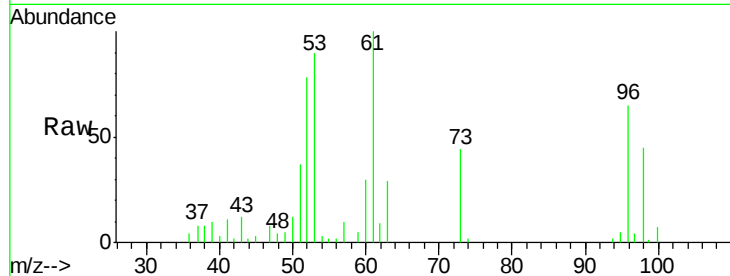
Tot Ion: 53 Resp: 76011

Ion Ratio Lower Upper

53 100

52 86.4 65.0 97.4

51 41.3 32.6 48.8



#16

Acetone

Concen: 106.314 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062031.D

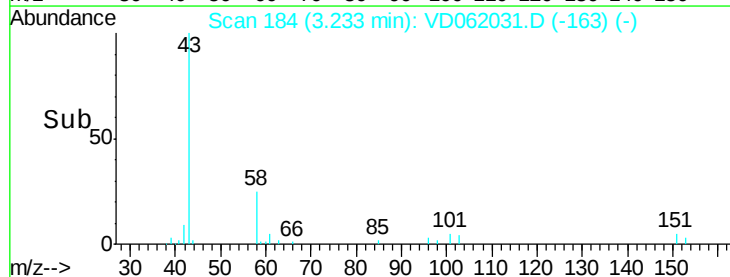
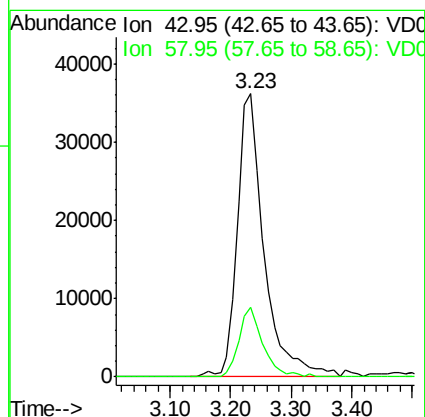
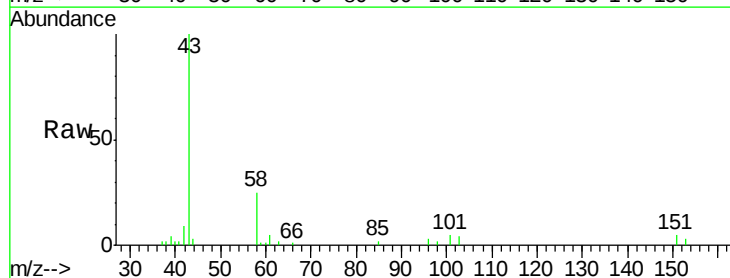
Acq: 25 Apr 2019 11:33

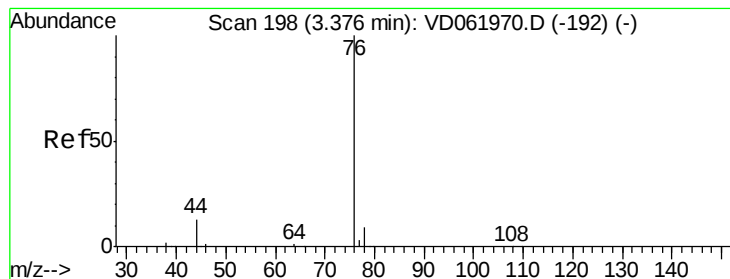
Tgt Ion: 43 Resp: 110711

Ion Ratio Lower Upper

43 100

58 24.6 19.9 29.9





#17

Carbon Disulfide

Concen: 19.872 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

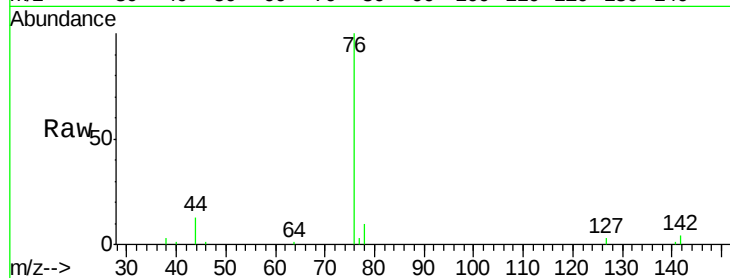
VD0425SBS01

Tot Ion: 76 Resp: 260829

Ion Ratio Lower Upper

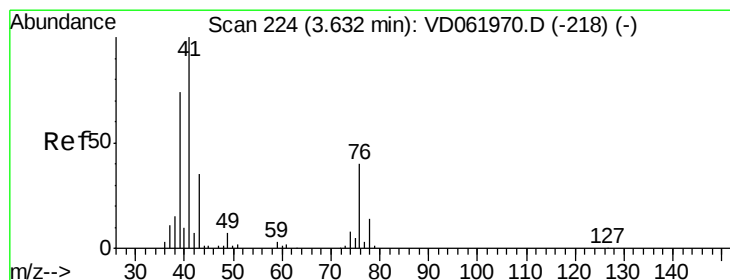
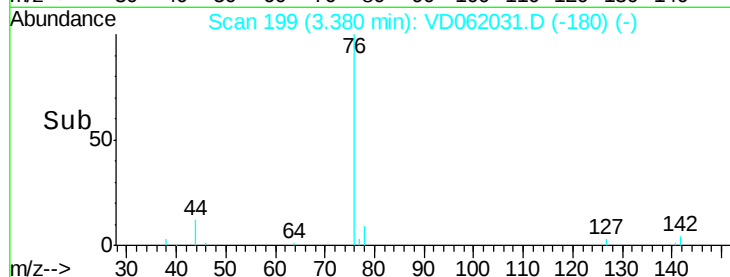
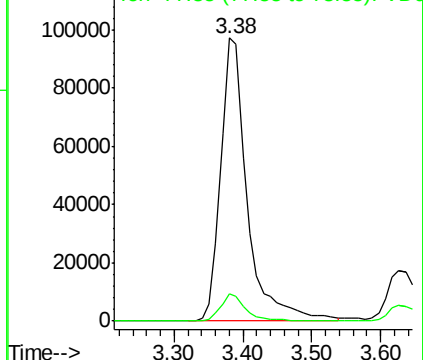
76 100

78 9.6 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: 21.976 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD062031.D

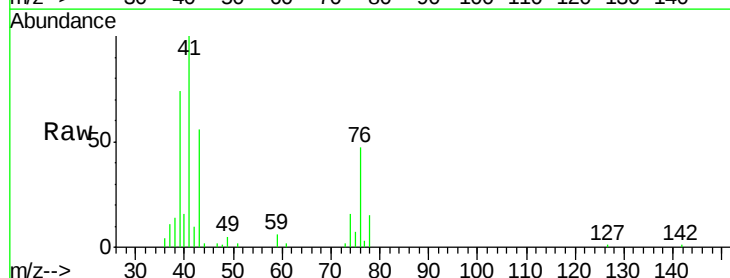
Acq: 25 Apr 2019 11:33

Tgt Ion: 43 Resp: 43792

Ion Ratio Lower Upper

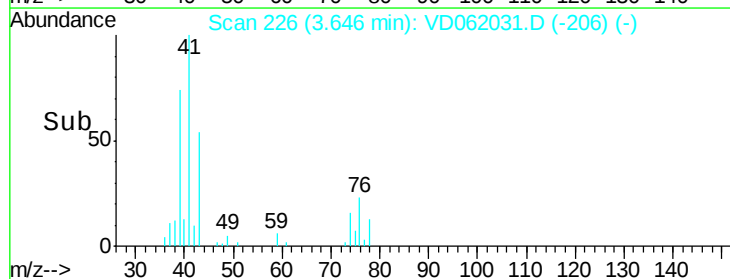
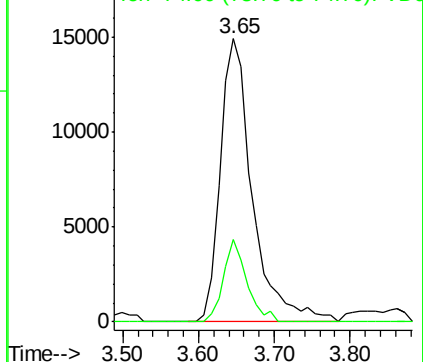
43 100

74 29.2 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

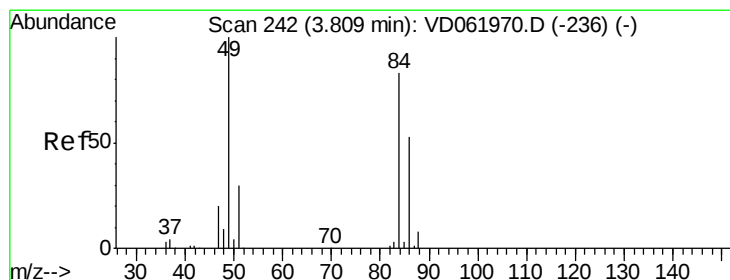
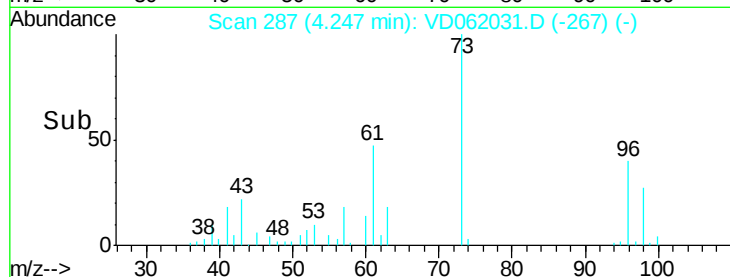
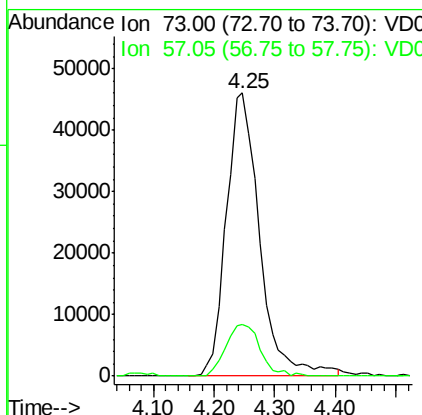
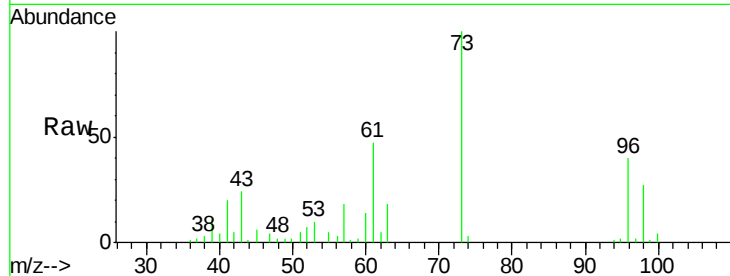




#19
Methyl tert-butyl Ether
Concen: 19.530 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

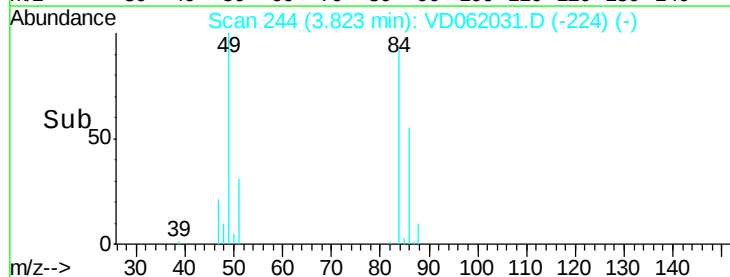
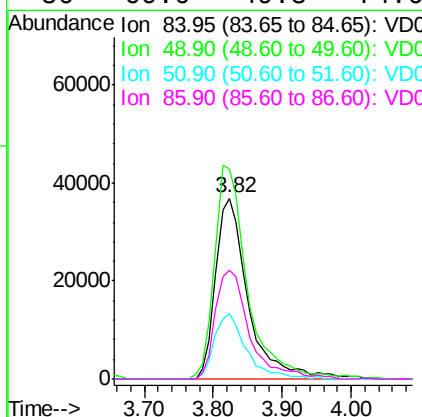
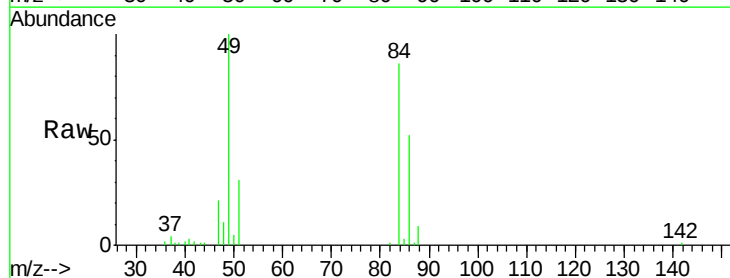
Instrument :
MSVOA_D
ClientSampleID :
VD0425SBS01

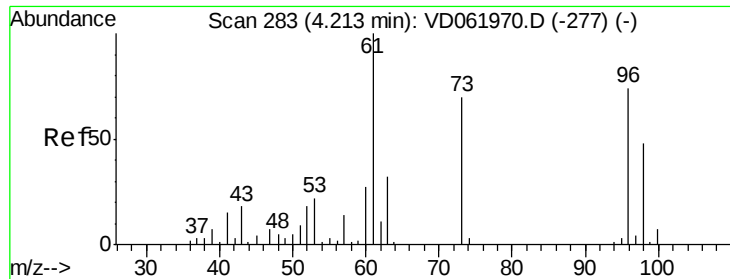
Tot Ion: 73 Resp: 176014
Ion Ratio Lower Upper
73 100
57 18.4 16.3 24.5



#20
Methylene Chloride
Concen: 21.924 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 84 Resp: 120224
Ion Ratio Lower Upper
84 100
49 116.1 94.0 141.0
51 36.1 29.0 43.4
86 60.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.753 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

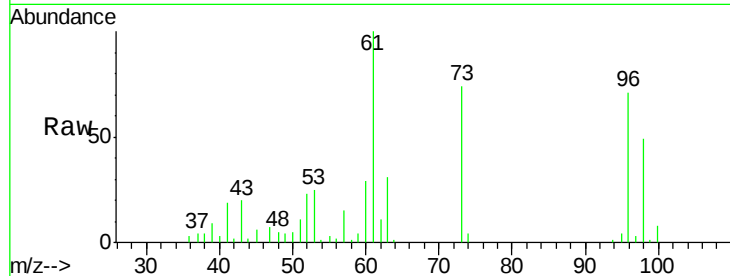
Tot Ion: 96 Resp: 97718

Ion Ratio Lower Upper

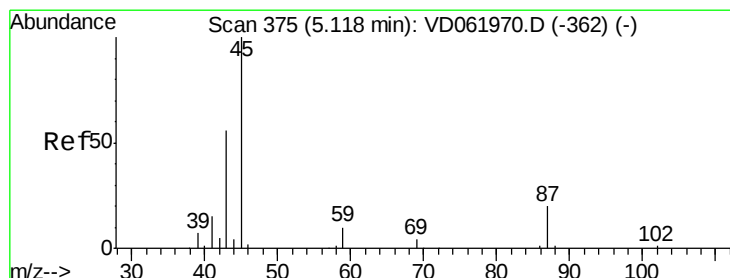
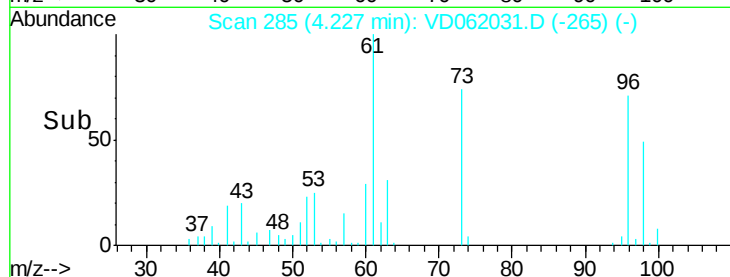
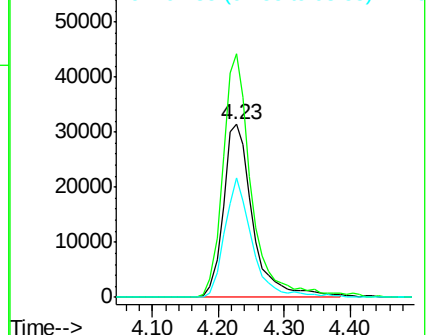
96 100

61 140.8 104.4 156.6

98 69.0 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: 19.886 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Tgt Ion: 45 Resp: 287971

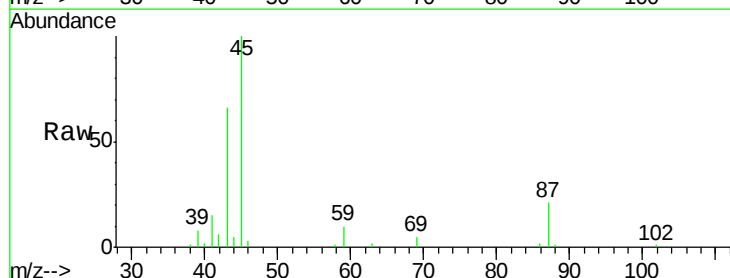
Ion Ratio Lower Upper

45 100

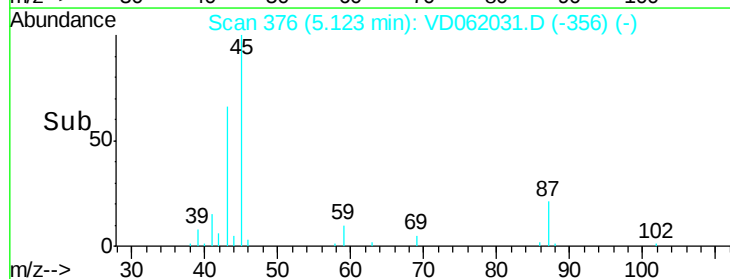
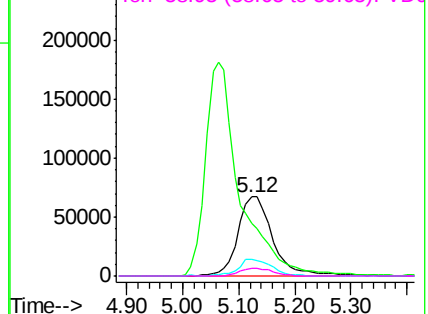
43 66.5 46.2 69.2

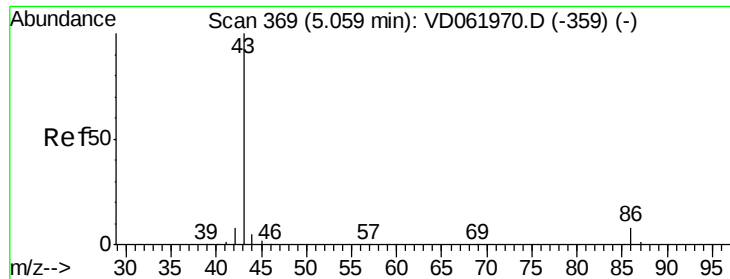
87 20.6 15.9 23.9

59 10.4 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: 101.249 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

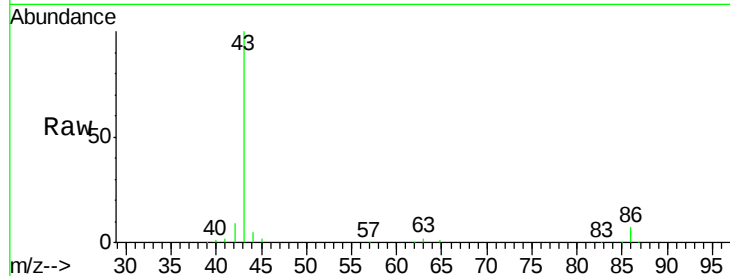
VD0425SBS01

Tot Ion: 43 Resp: 763530

Ion Ratio Lower Upper

43 100

86 7.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

200000

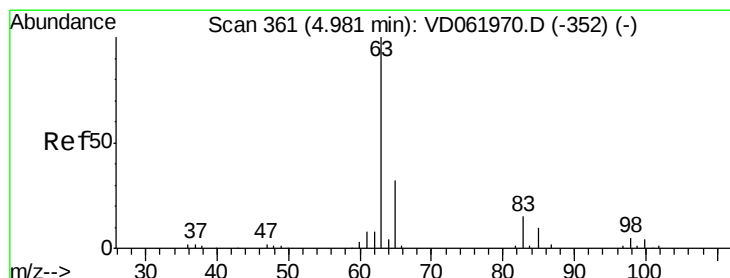
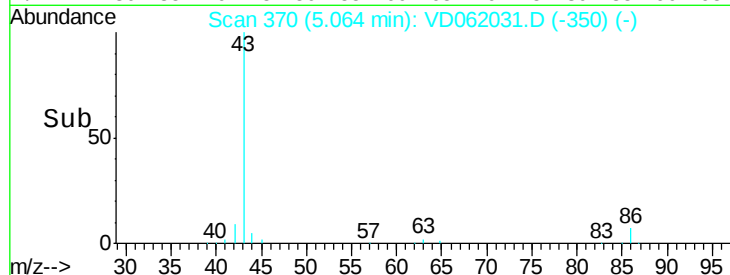
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.227 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

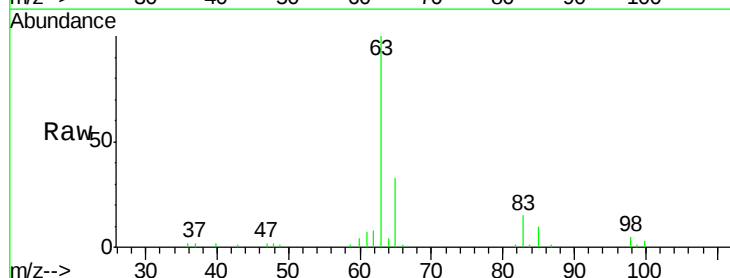
Tgt Ion: 63 Resp: 177033

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.4

100 2.7 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

4.99

60000

50000

40000

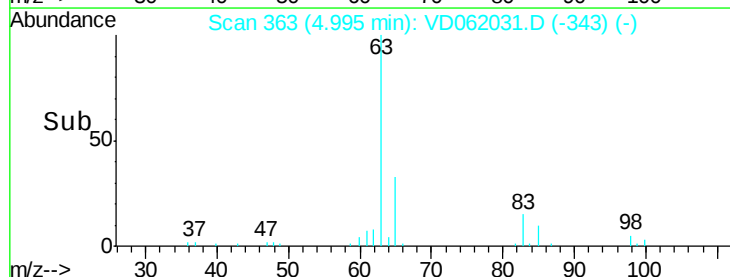
30000

20000

10000

0

Time-->





#25

2-Butanone

Concen: 101.101 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

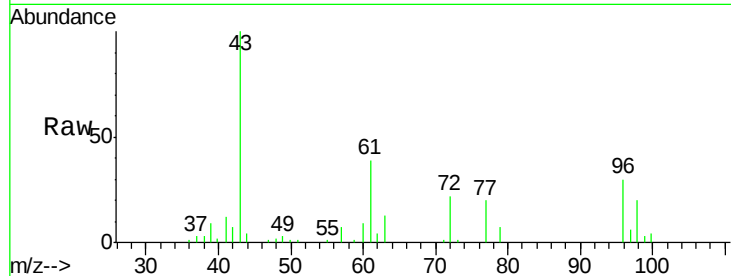
VD0425SBS01

Tot Ion: 43 Resp: 127647

Ion Ratio Lower Upper

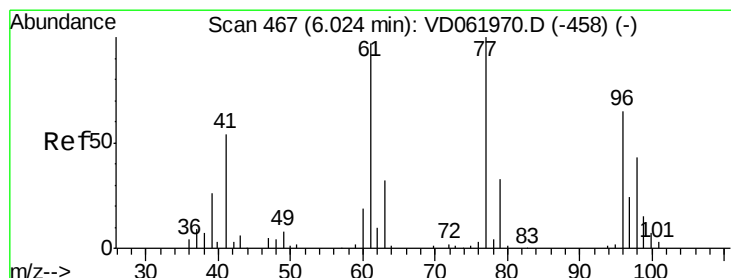
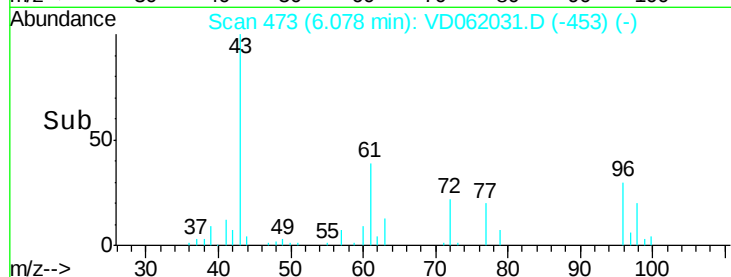
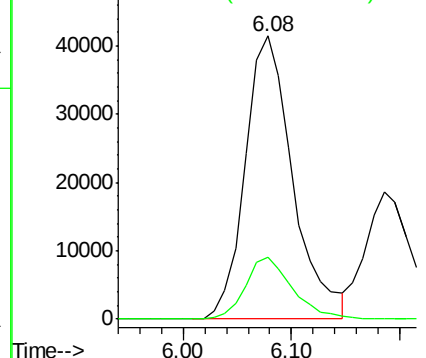
43 100

72 21.8 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.885 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD062031.D

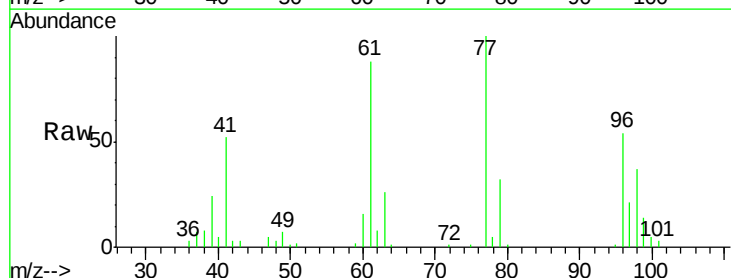
Acq: 25 Apr 2019 11:33

Tgt Ion: 77 Resp: 159470

Ion Ratio Lower Upper

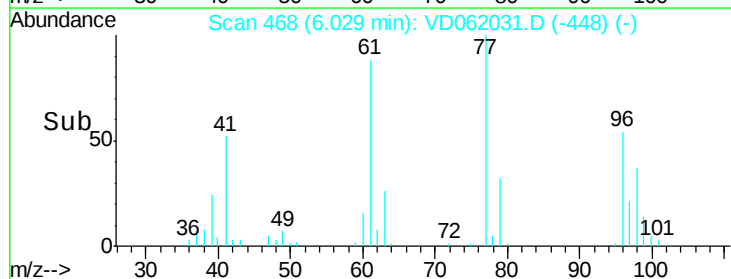
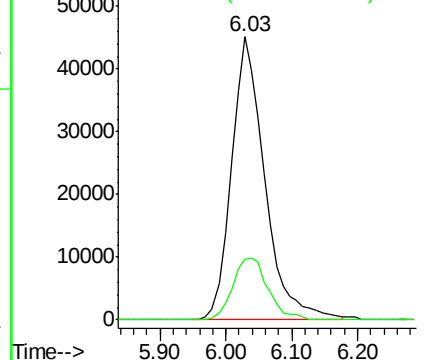
77 100

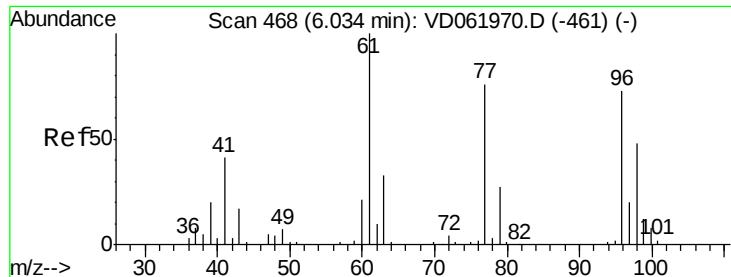
97 21.3 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



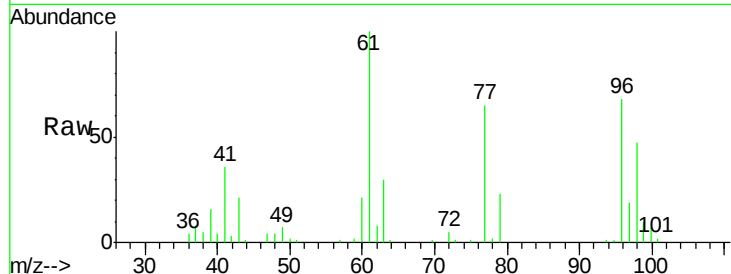


#27

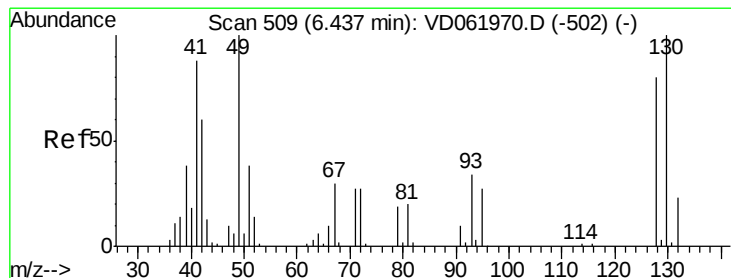
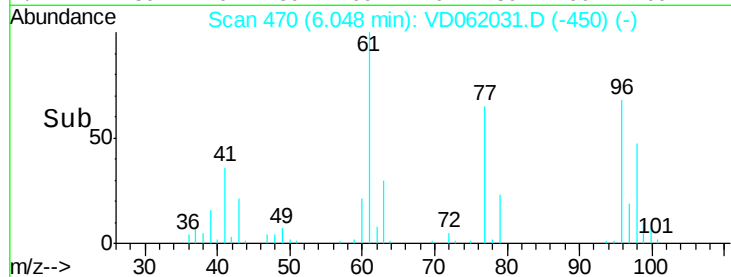
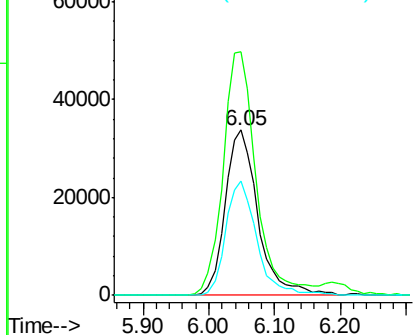
cis-1,2-Dichloroethene
 Concen: 19.859 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

Tot Ion: 96 Resp: 117720
 Ion Ratio Lower Upper
 96 100
 61 147.3 0.0 279.8
 98 69.3 0.0 136.0



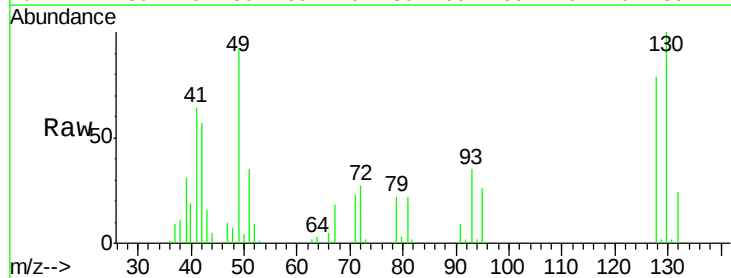
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



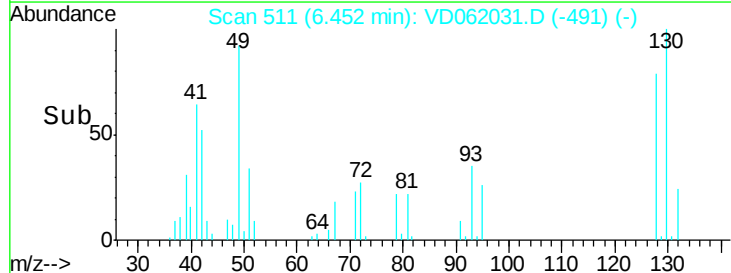
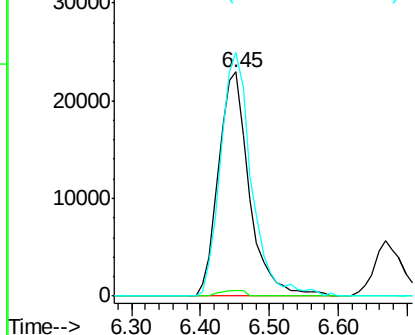
#28

Bromochloromethane
 Concen: 21.242 ug/l
 RT: 6.45 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 49 Resp: 71136
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 6.6
 130 108.6 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: 98.428 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

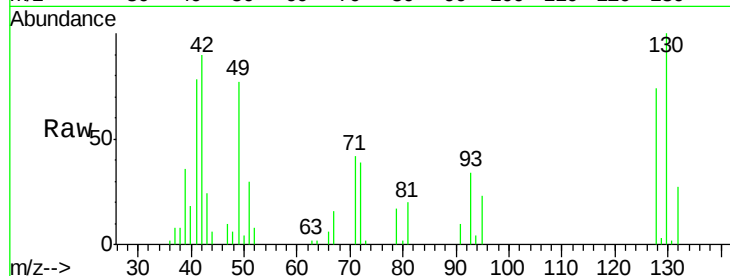
Tot Ion: 42 Resp: 61232

Ion Ratio Lower Upper

42 100

72 45.1 37.8 56.6

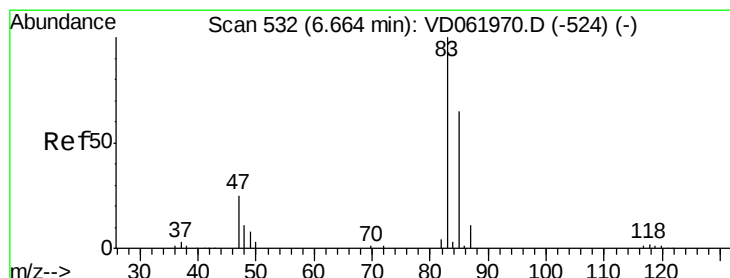
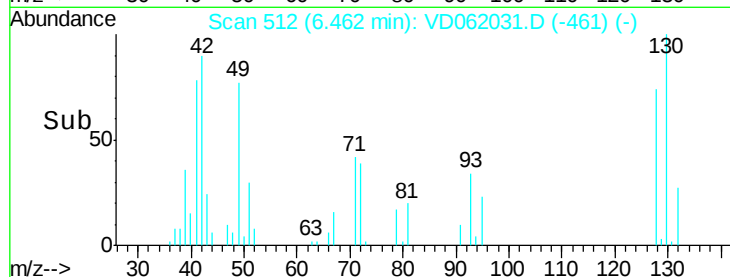
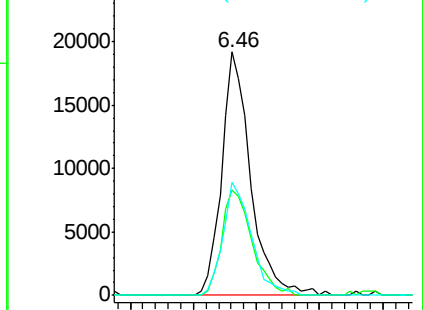
71 45.6 36.7 55.1



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: 20.541 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.00 min

Lab File: VD062031.D

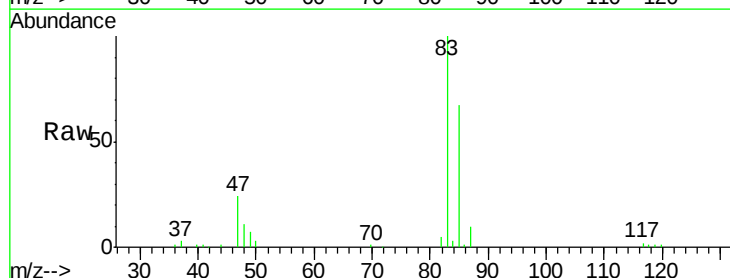
Acq: 25 Apr 2019 11:33

Tgt Ion: 83 Resp: 204196

Ion Ratio Lower Upper

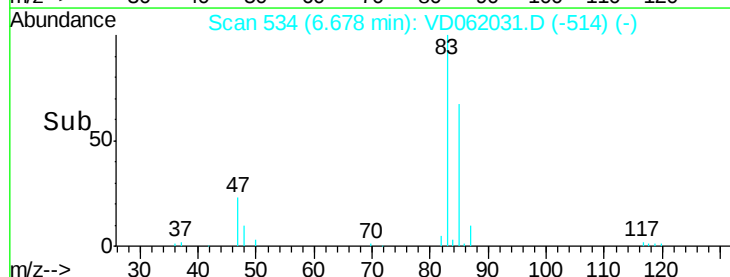
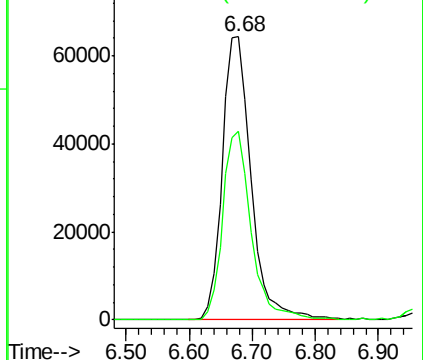
83 100

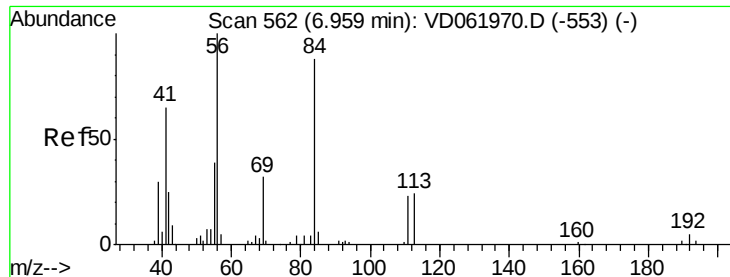
85 66.6 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

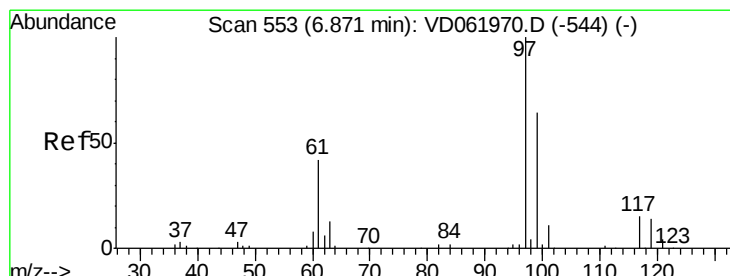
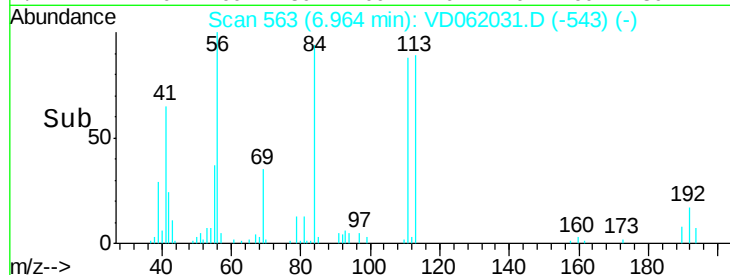
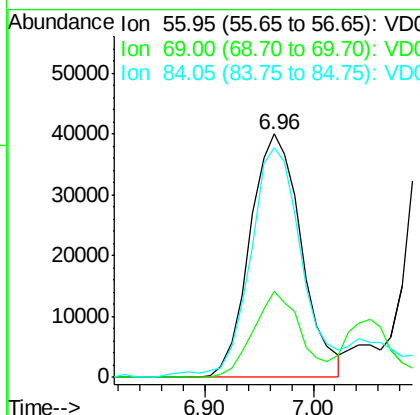
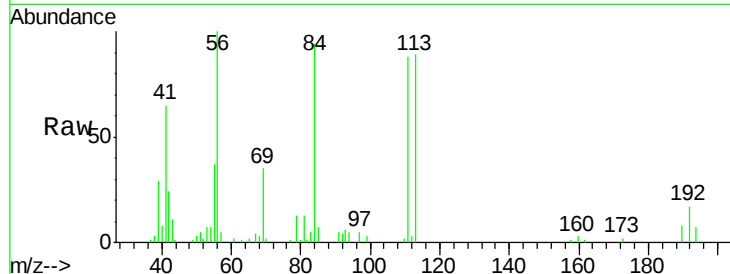




#31
Cyclohexane
Concen: 20.404 ug/l
RT: 6.96 min Scan# 563
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

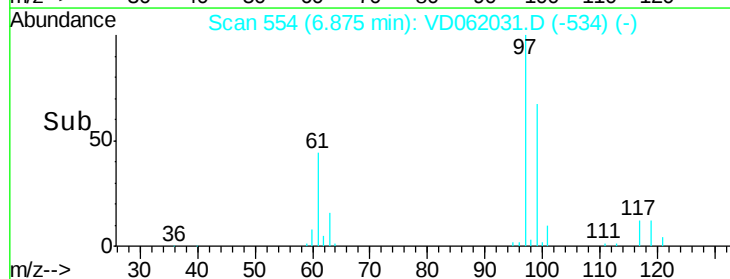
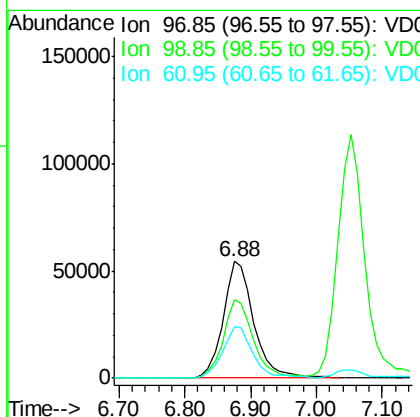
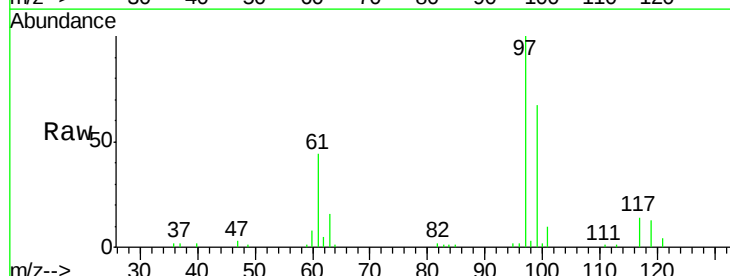
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tot Ion: 56 Resp: 132550
Ion Ratio Lower Upper
56 100
69 35.5 25.8 38.6
84 94.0 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 20.354 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 97 Resp: 176051
Ion Ratio Lower Upper
97 100
99 67.3 52.2 78.2
61 43.8 32.4 48.6

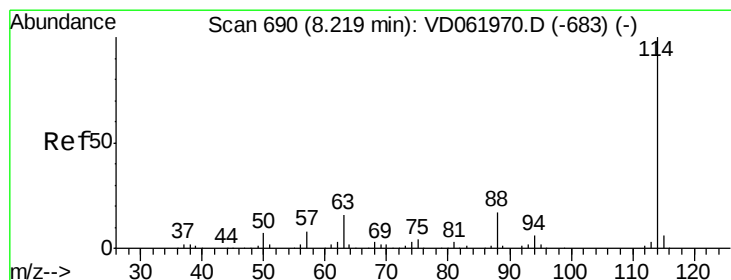
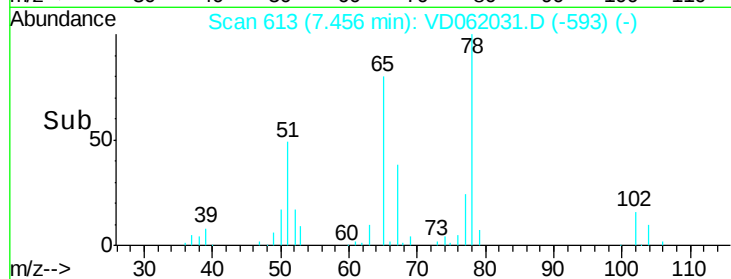
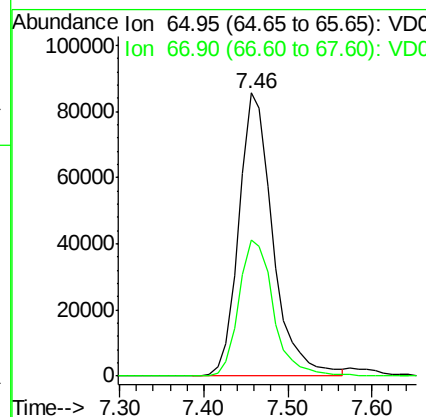
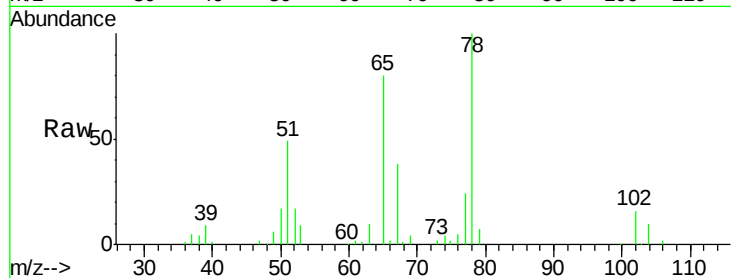




#33
 1,2-Dichloroethane-d4
 Concen: 55.303 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

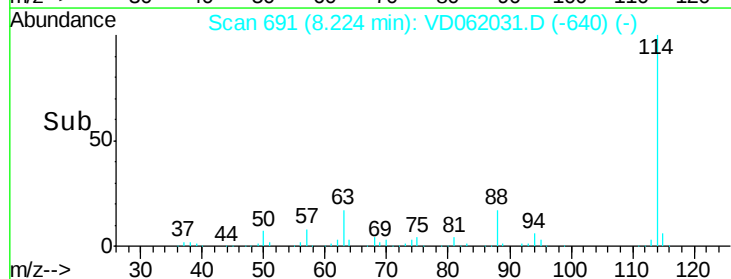
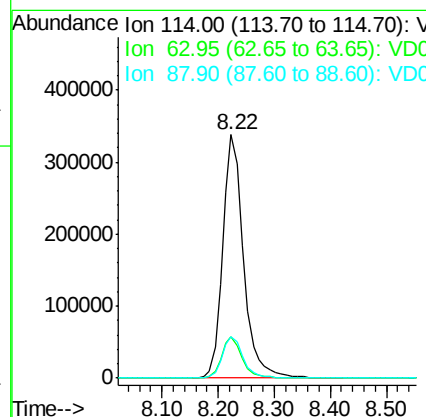
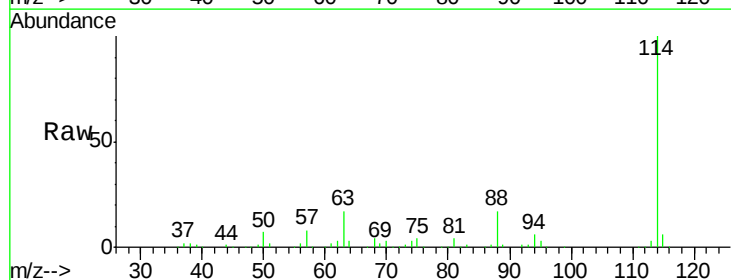
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

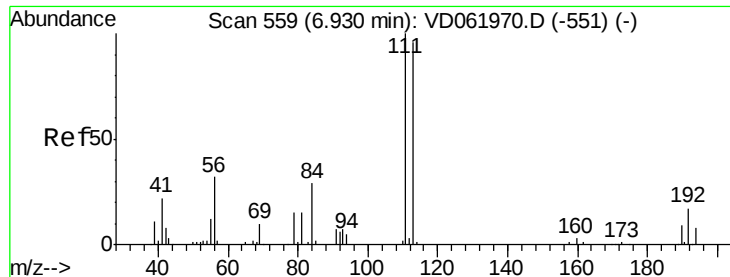
Tot Ion: 65 Resp: 241195
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 114 Resp: 875833
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 32.4
 88 16.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 58.232 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

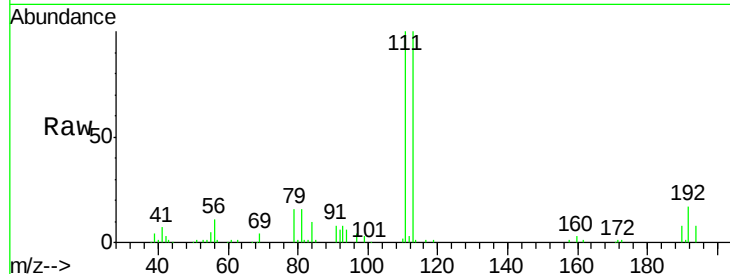
Tot Ion:113 Resp: 352722

Ion Ratio Lower Upper

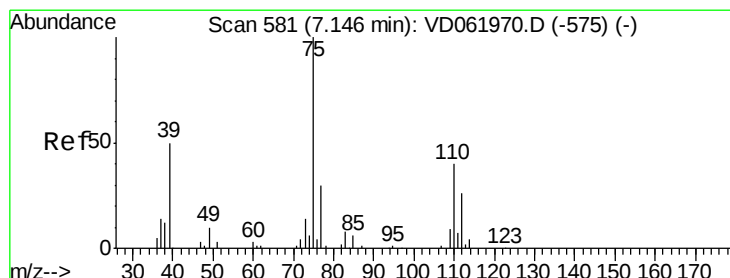
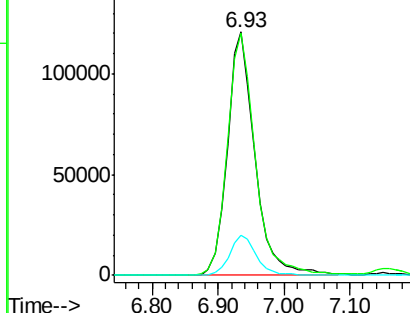
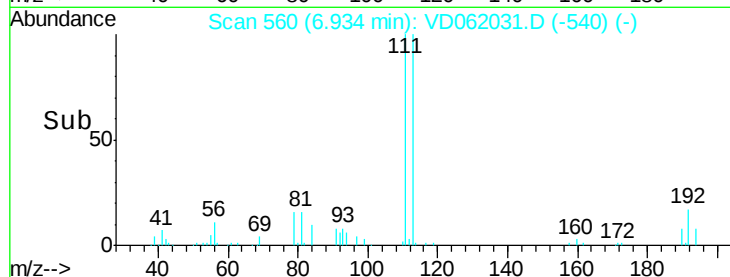
113 100

111 99.7 78.5 117.7

192 16.6 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: 21.505 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

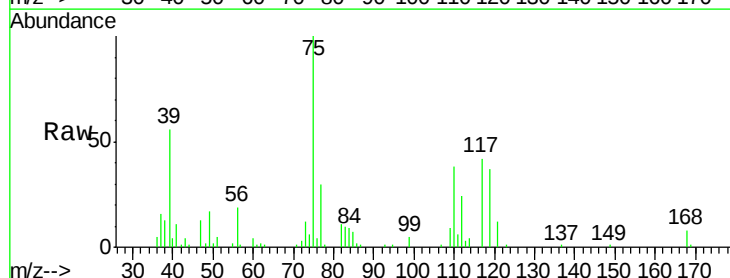
Tgt Ion: 75 Resp: 146743

Ion Ratio Lower Upper

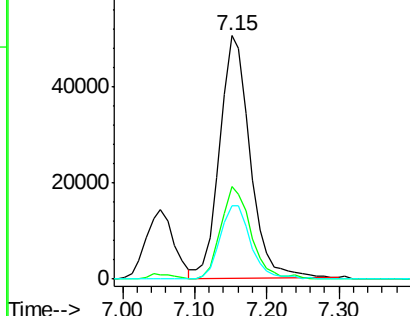
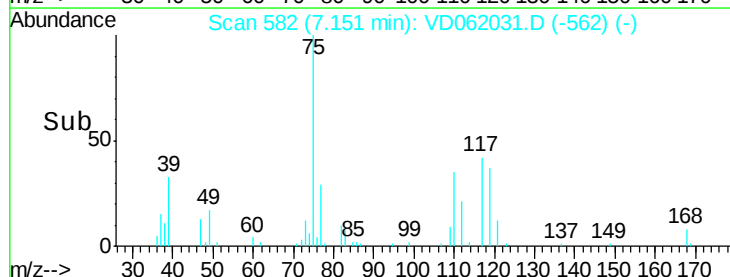
75 100

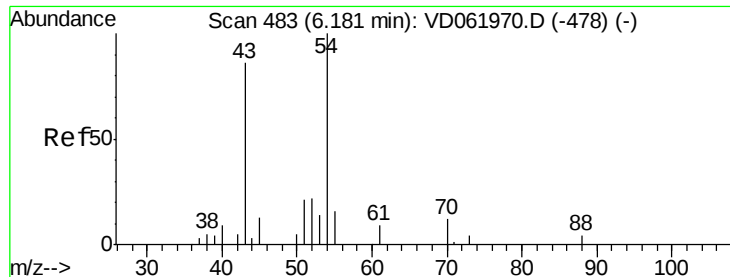
110 37.9 19.1 57.1

77 30.0 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: 20.017 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

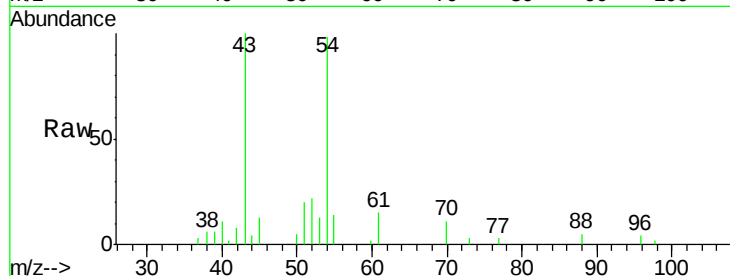
Tot Ion: 43 Resp: 58207

Ion Ratio Lower Upper

43 100

61 14.6 14.7 22.1#

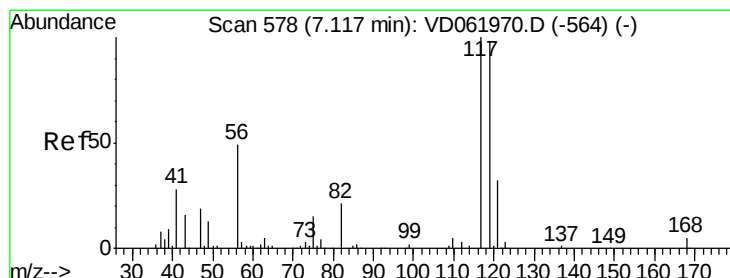
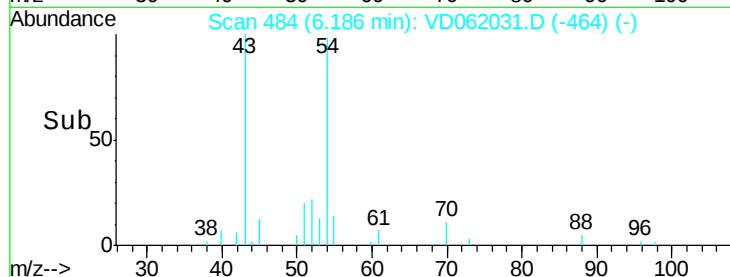
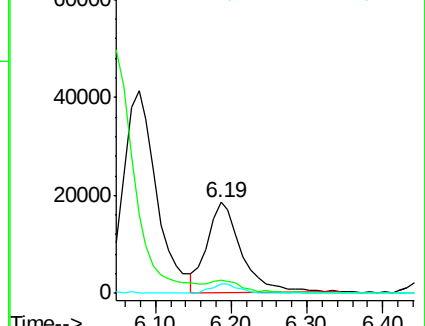
70 10.9 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 21.619 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

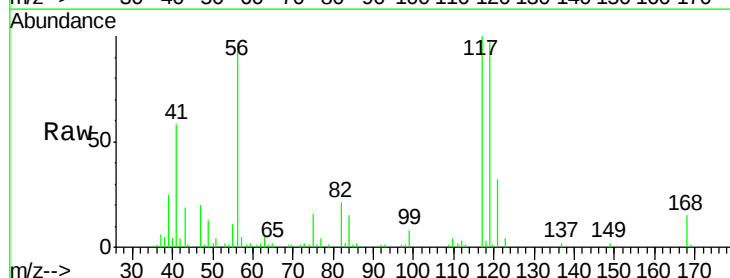
Tgt Ion: 117 Resp: 186932

Ion Ratio Lower Upper

117 100

119 96.7 75.8 113.8

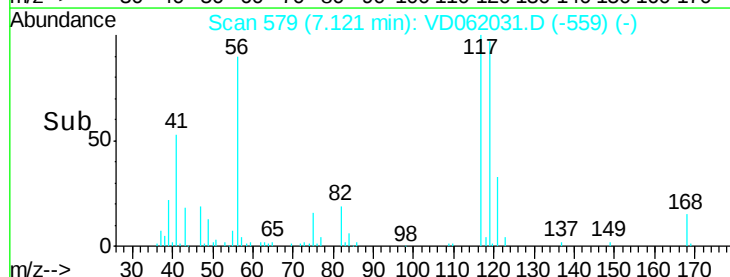
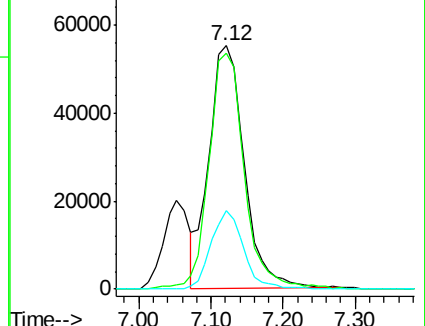
121 32.2 25.9 38.9

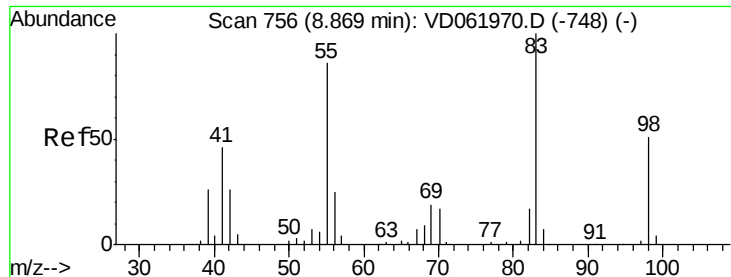


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

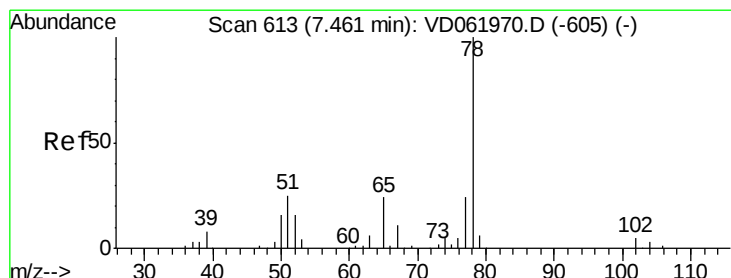
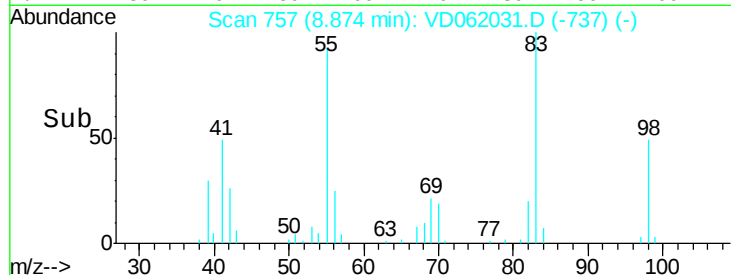
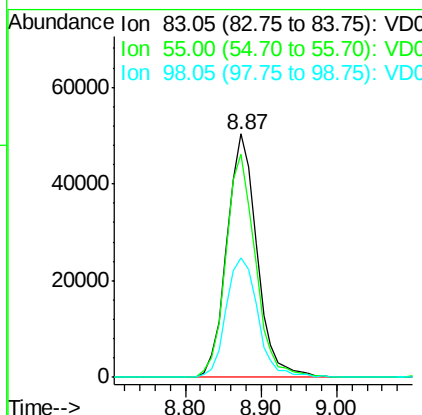
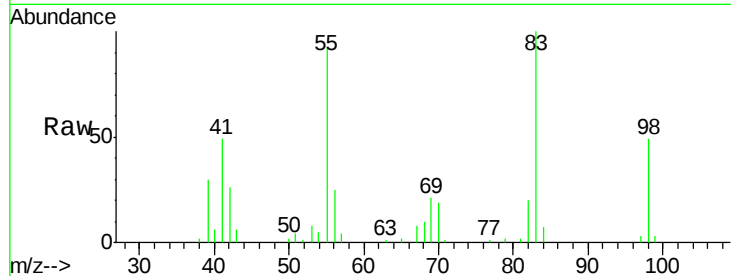




#39
Methvlcvclohexane
Concen: 20.517 ug/l
RT: 8.87 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

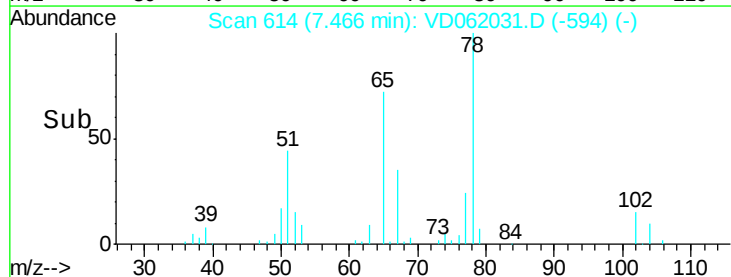
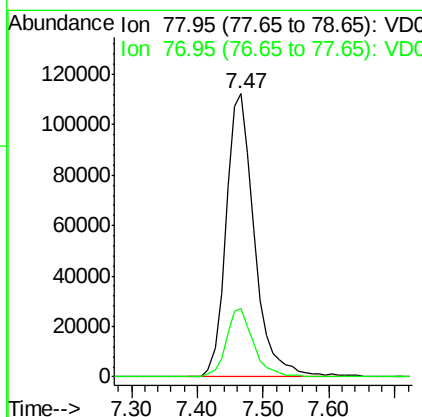
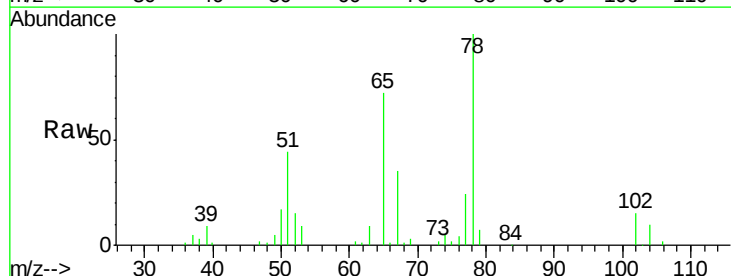
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

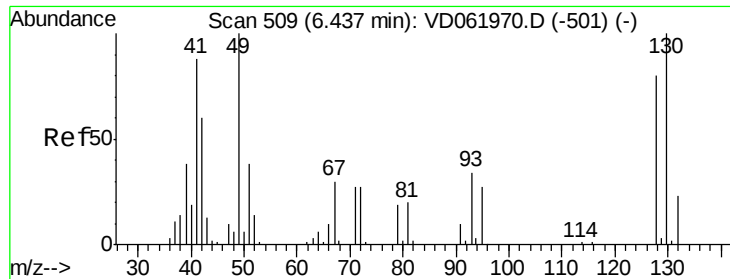
Tot Ion: 83 Resp: 138131
Ion Ratio Lower Upper
83 100
55 91.8 68.2 102.4
98 49.2 38.2 57.4



#40
Benzene
Concen: 19.994 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 78 Resp: 337756
Ion Ratio Lower Upper
78 100
77 24.1 19.7 29.5

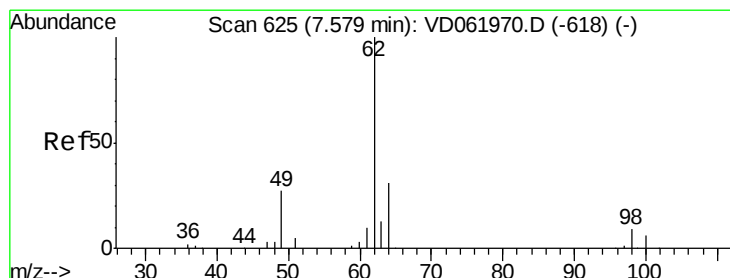
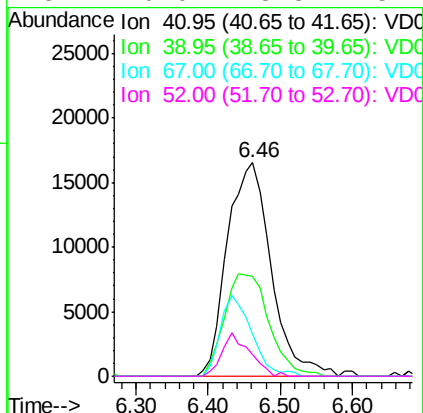
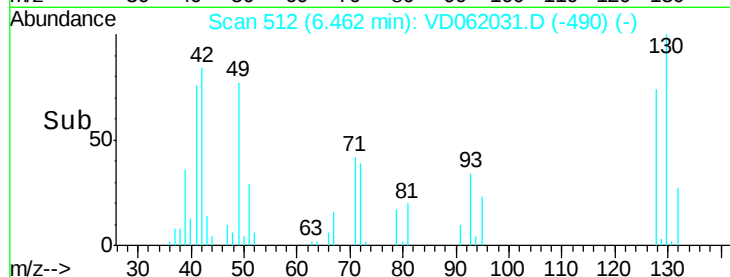
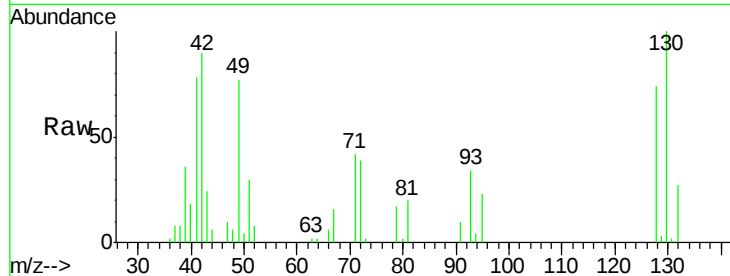




#41
Methacrylonitrile
Concen: 20.638 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

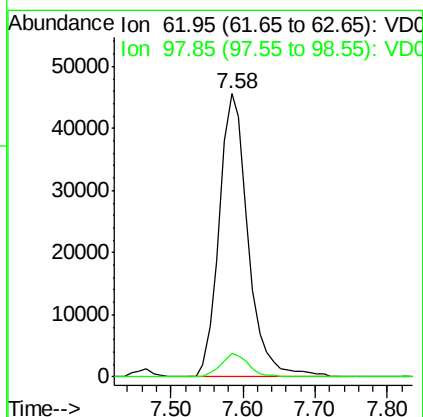
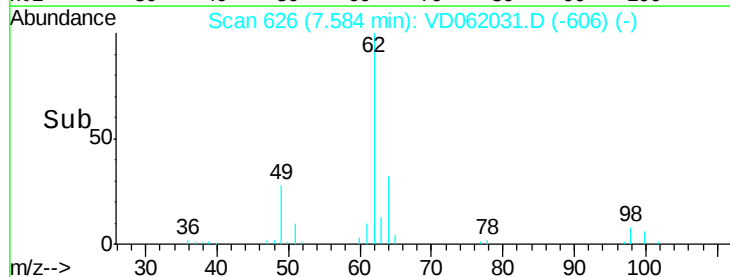
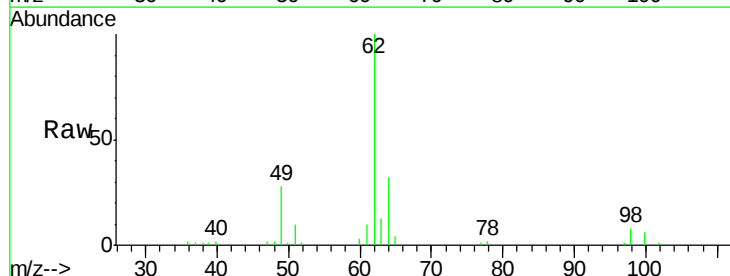
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

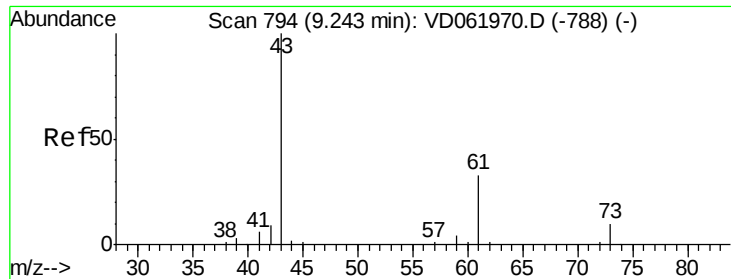
Tot Ion: 41 Resp: 70019
Ion Ratio Lower Upper
41 100
39 46.6 34.1 51.1
67 20.0 23.8 35.6#
52 10.0 8.8 13.2



#42
1,2-Dichloroethane
Concen: 21.941 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 62 Resp: 125848
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.8



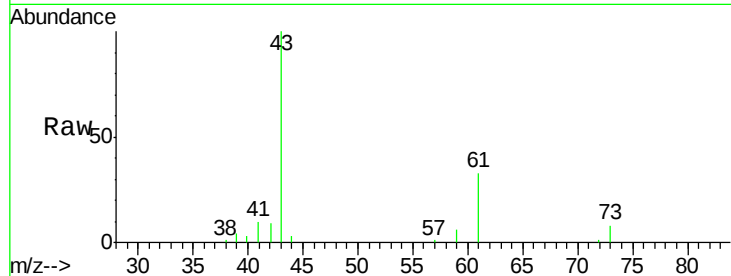


#43

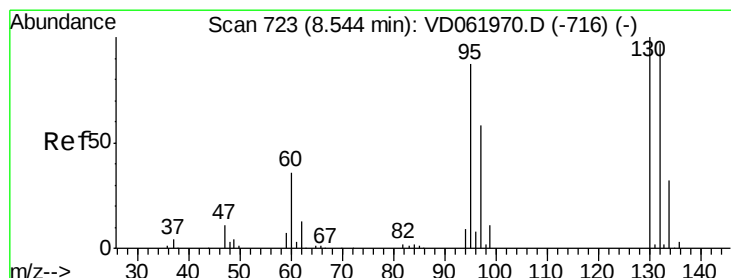
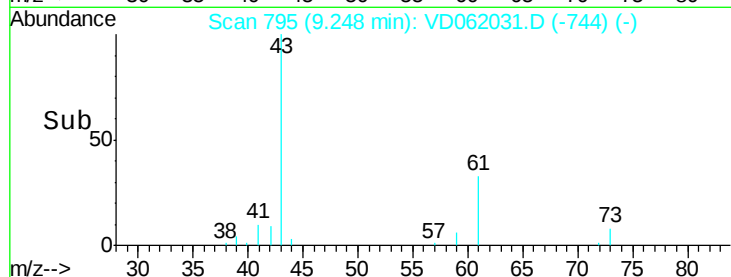
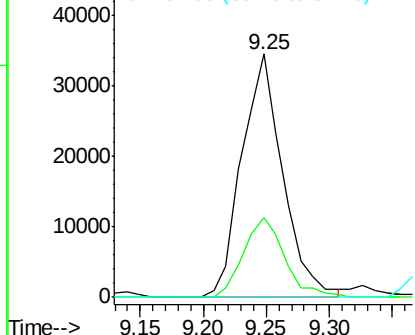
Isopropyl Acetate
 Concen: 18.355 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

Tot Ion: 43 Resp: 77984
 Ion Ratio Lower Upper
 43 100
 61 33.0 25.1 37.7
 87 0.0 0.0 0.0



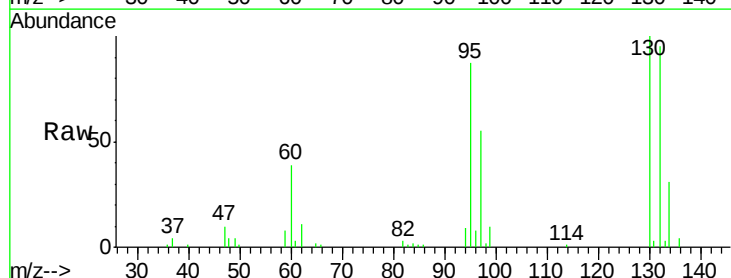
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



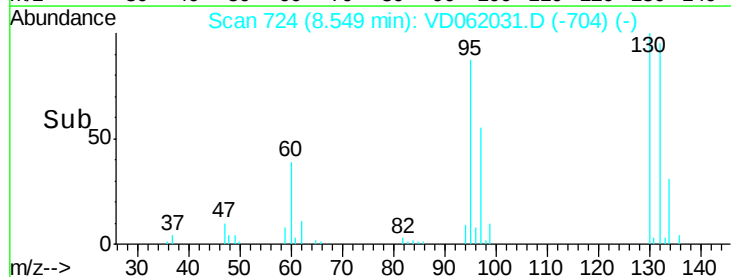
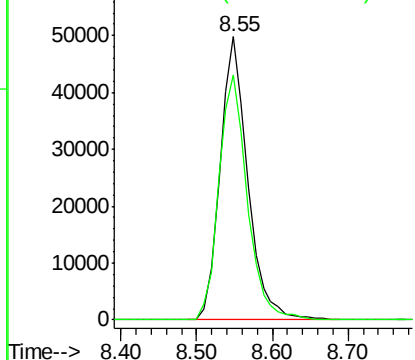
#44

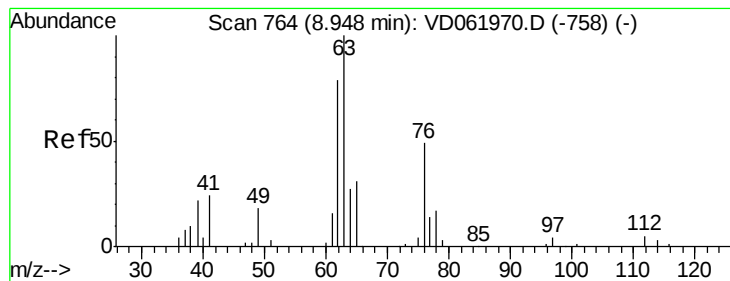
Trichloroethene
 Concen: 19.160 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 130 Resp: 125485
 Ion Ratio Lower Upper
 130 100
 95 86.5 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: 19.330 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

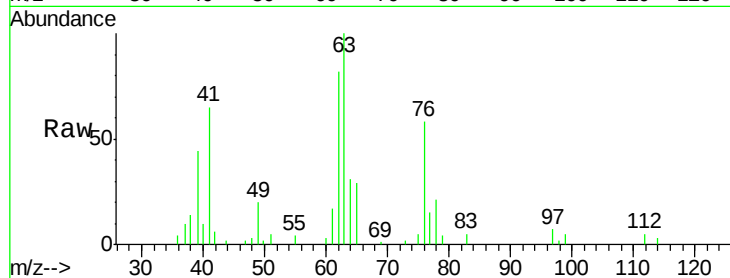
VD0425SBS01

Tot Ion: 63 Resp: 82842

Ion Ratio Lower Upper

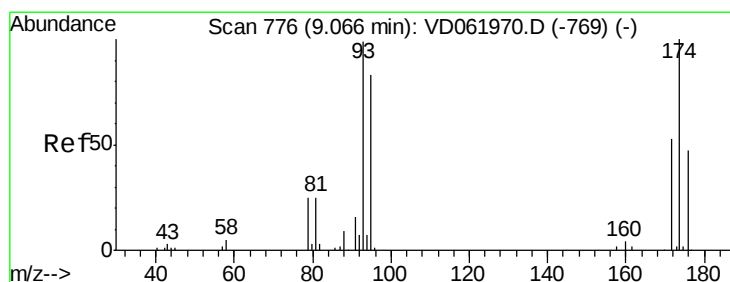
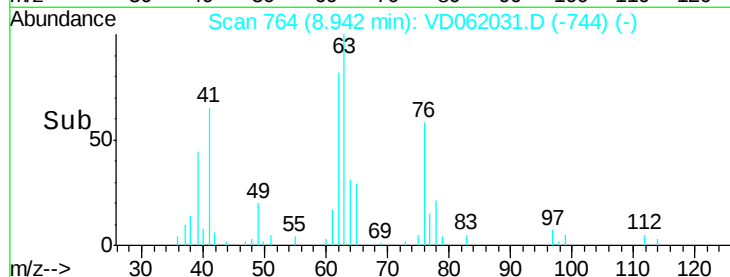
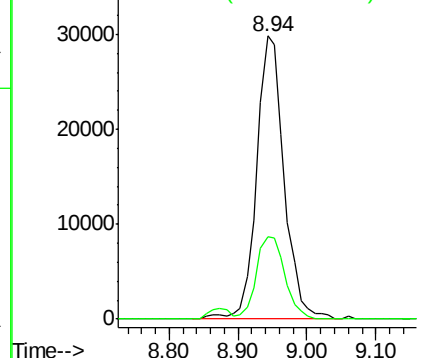
63 100

65 29.2 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: 19.895 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

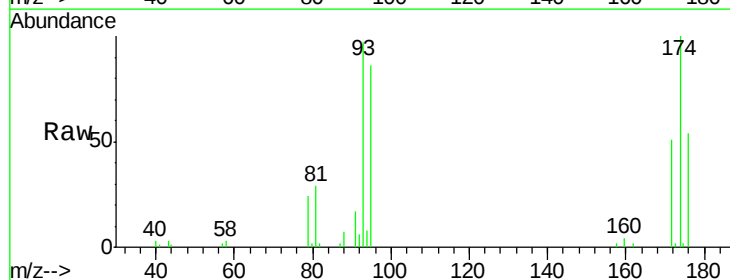
Tgt Ion: 93 Resp: 61350

Ion Ratio Lower Upper

93 100

95 89.5 64.8 97.2

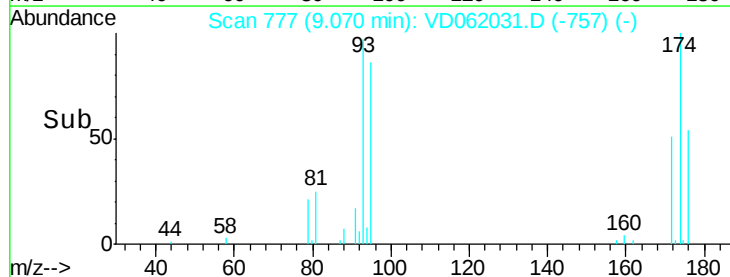
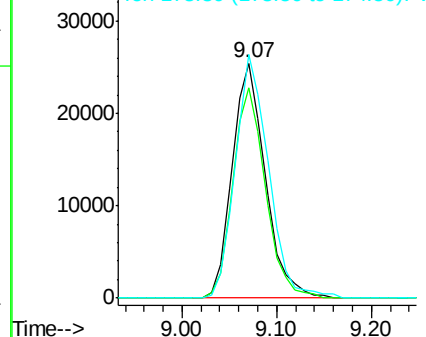
174 103.6 79.3 118.9

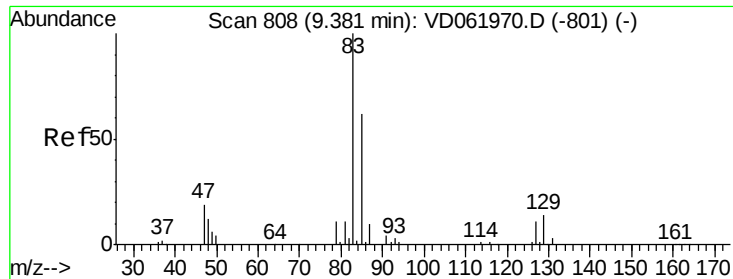


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.313 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

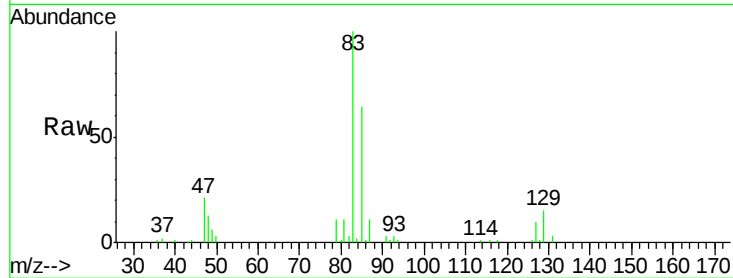
Tot Ion: 83 Resp: 155296

Ion Ratio Lower Upper

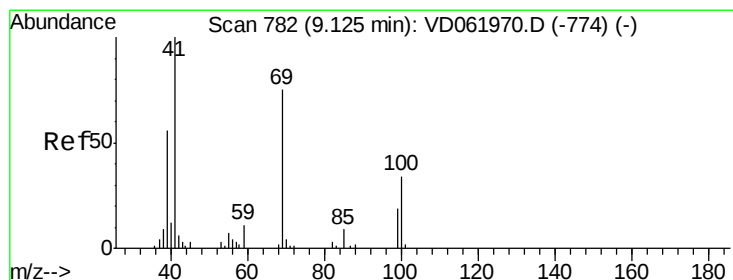
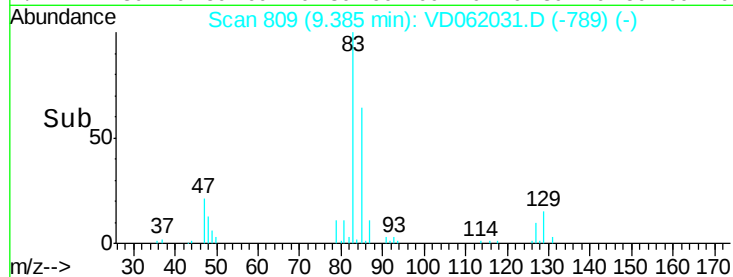
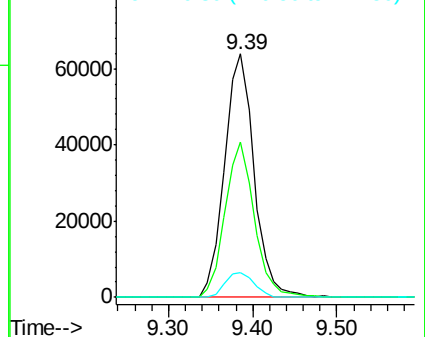
83 100

85 63.7 50.9 76.3

127 10.4 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: 21.366 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

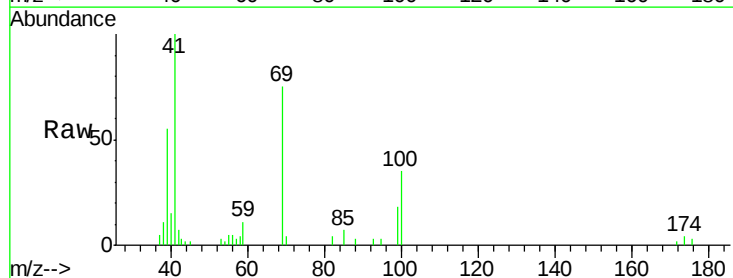
Tgt Ion: 41 Resp: 51793

Ion Ratio Lower Upper

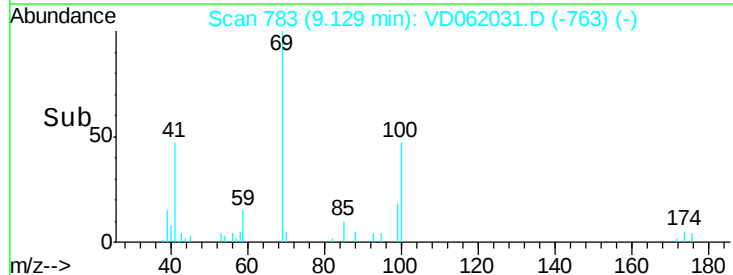
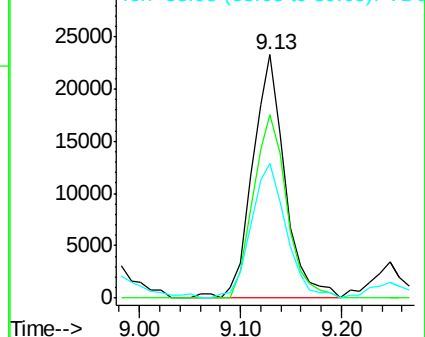
41 100

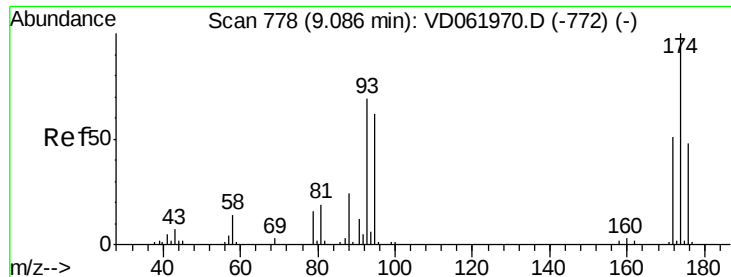
69 75.5 64.2 96.2

39 55.2 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

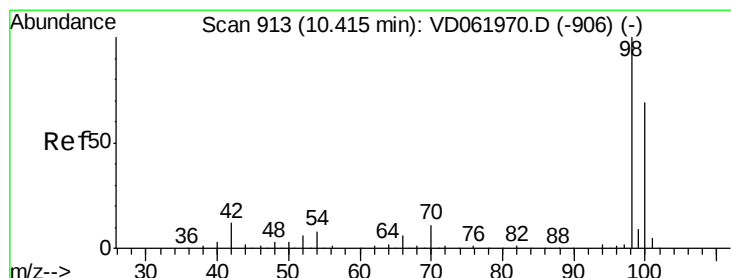
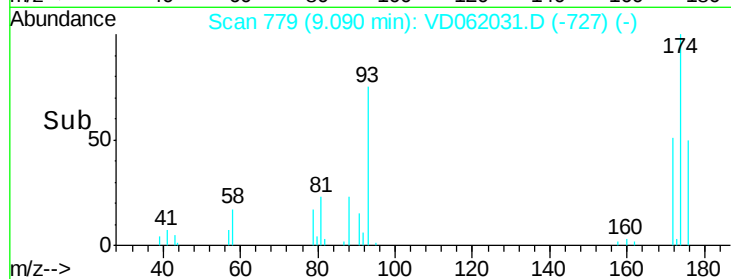
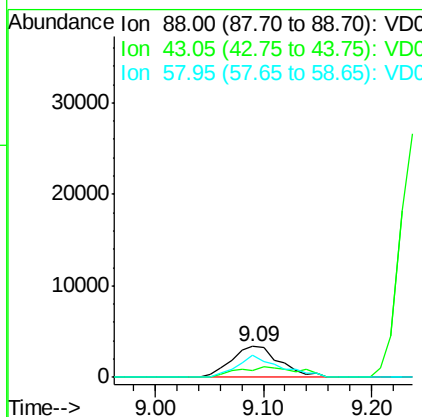
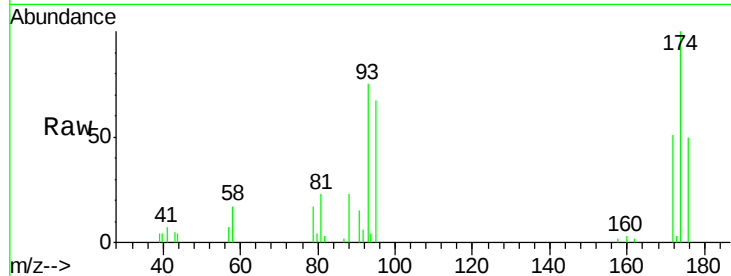




#49
1,4-Dioxane
Concen: 401.377 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

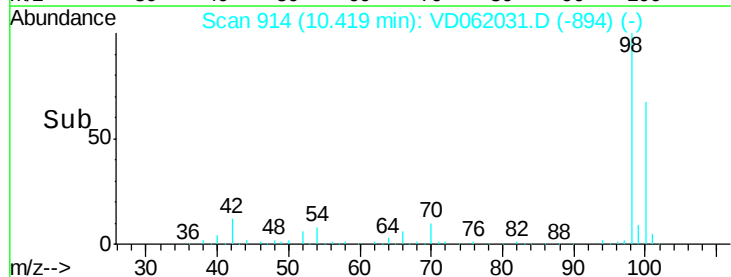
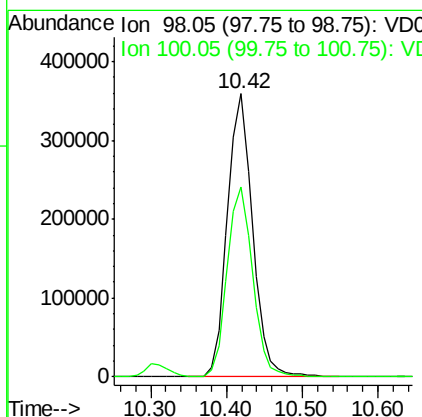
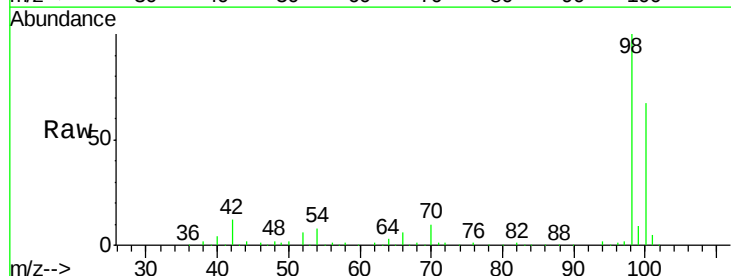
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

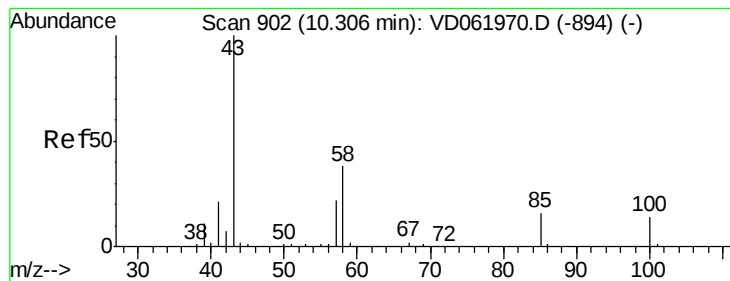
Tot Ion: 88 Resp: 10490
Ion Ratio Lower Upper
88 100
43 23.5 23.4 35.0
58 72.7 44.0 66.0#



#50
Toluene-d8
Concen: 57.430 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 98 Resp: 827755
Ion Ratio Lower Upper
98 100
100 67.2 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 117.042 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

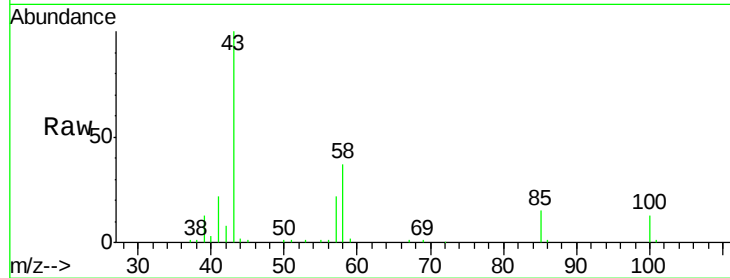
VD0425SBS01

Tot Ion: 43 Resp: 304116

Ion Ratio Lower Upper

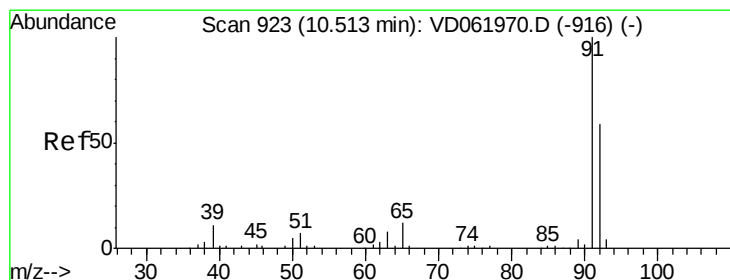
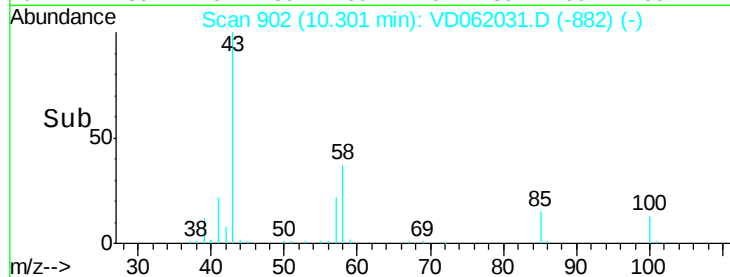
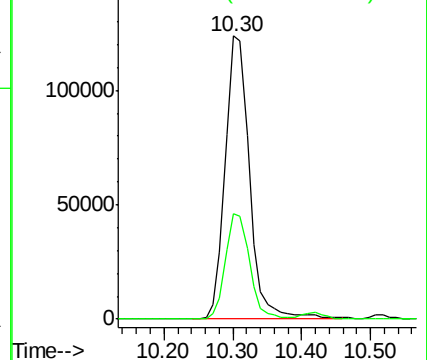
43 100

58 37.1 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 23.631 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD062031.D

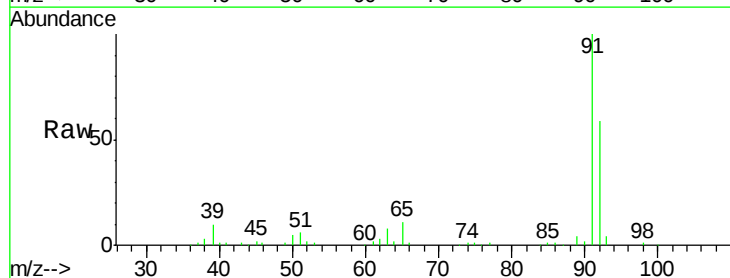
Acq: 25 Apr 2019 11:33

Tgt Ion: 92 Resp: 254539

Ion Ratio Lower Upper

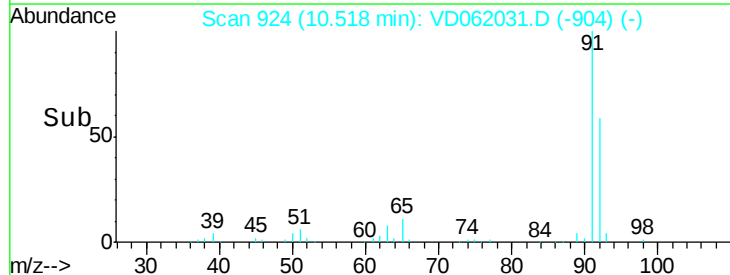
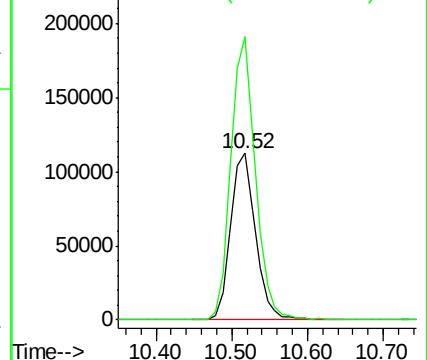
92 100

91 170.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

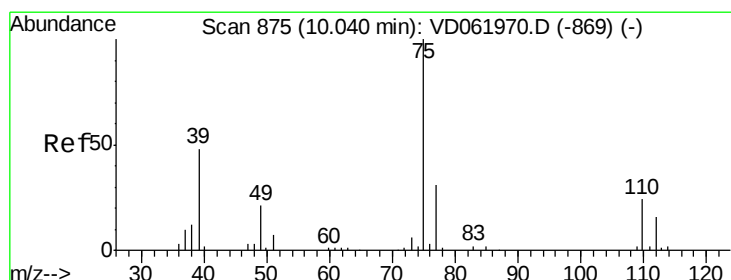
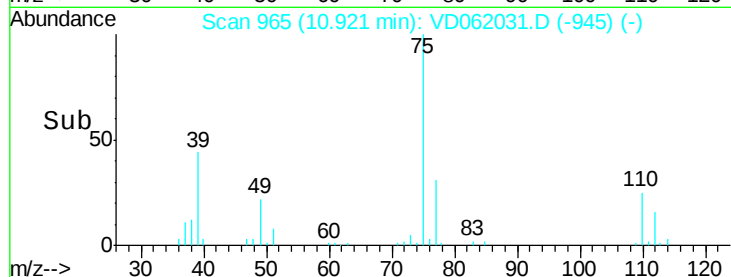
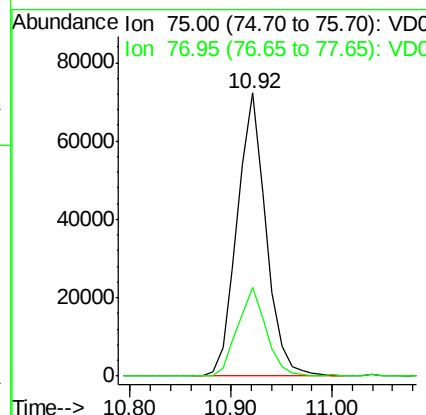
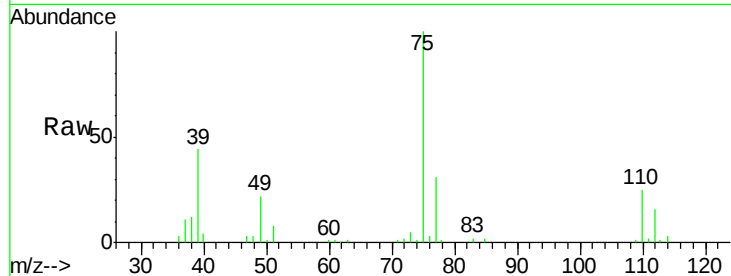




#53
t-1,3-Dichloropropene
Concen: 23.410 ug/l
RT: 10.92 min Scan# 965
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

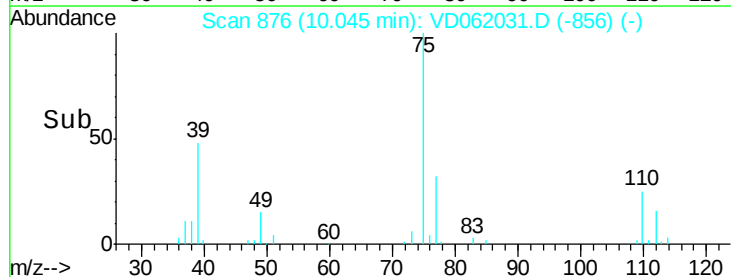
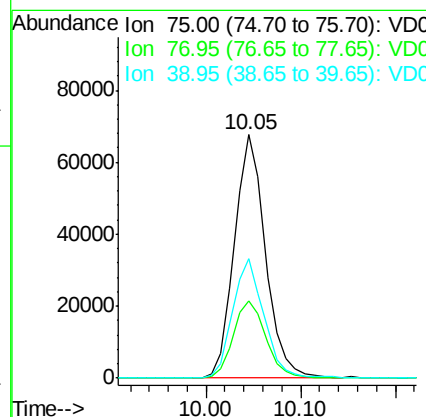
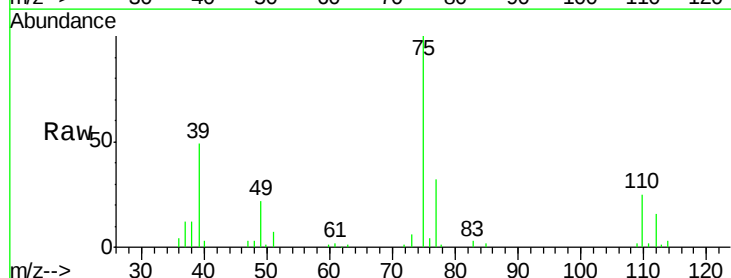
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

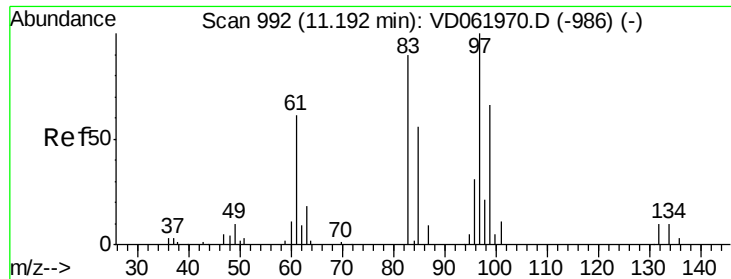
Tot Ion: 75 Resp: 143179
Ion Ratio Lower Upper
75 100
77 31.4 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 20.613 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 75 Resp: 153337
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3
39 49.2 39.4 59.2

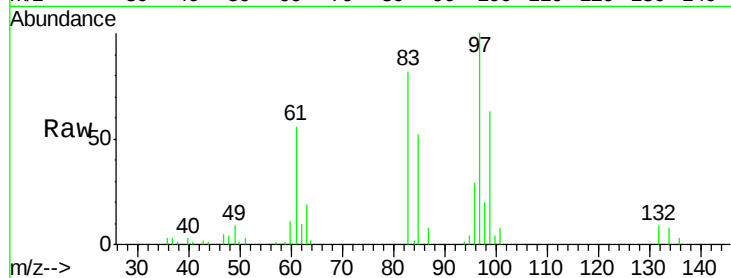




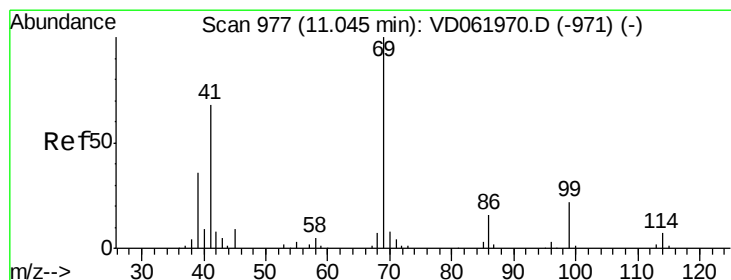
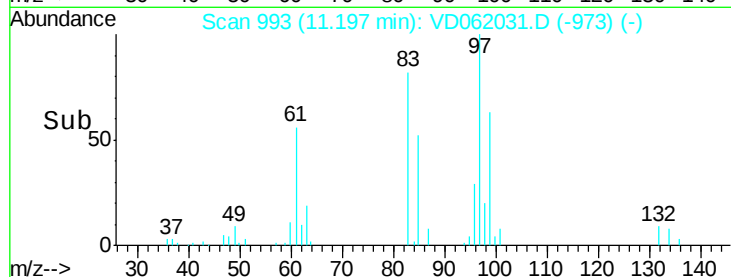
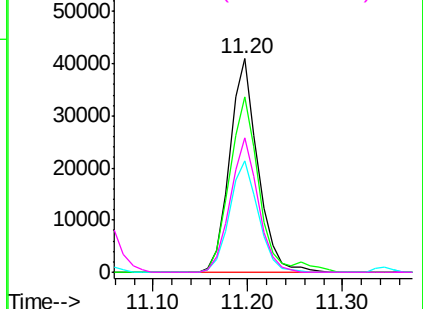
#55
1,1,2-Trichloroethane
Concen: 23.350 ug/l
RT: 11.20 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tot Ion: 97 Resp: 84438
Ion Ratio Lower Upper
97 100
83 82.4 65.7 98.5
85 52.4 45.6 68.4
99 63.0 48.4 72.6

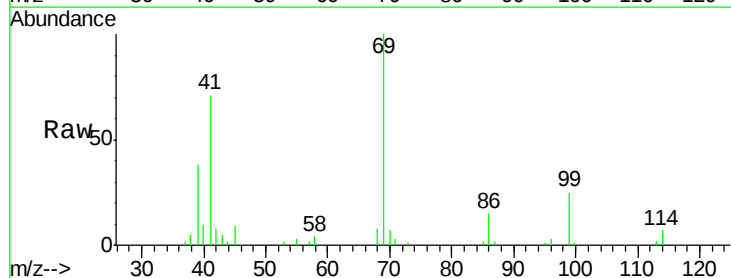


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

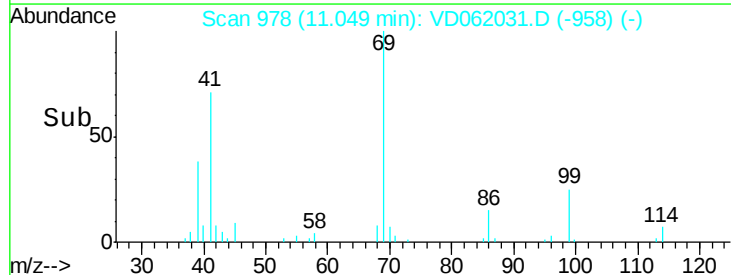
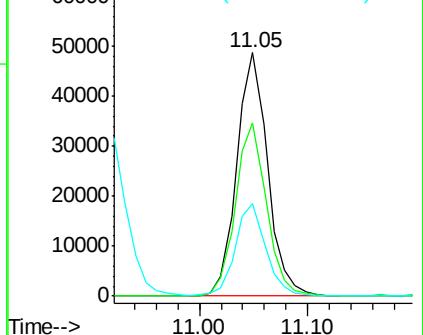


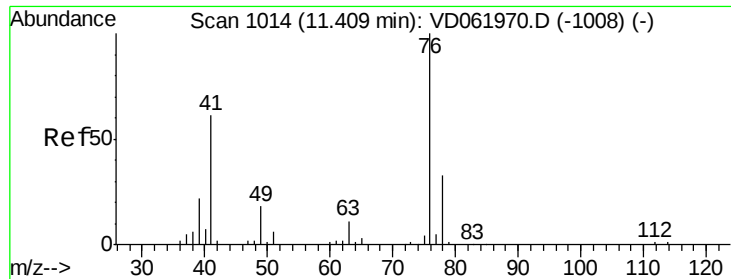
#56
Ethyl methacrylate
Concen: 24.139 ug/l
RT: 11.05 min Scan# 978
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 69 Resp: 96678
Ion Ratio Lower Upper
69 100
41 71.1 56.3 84.5
39 38.0 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

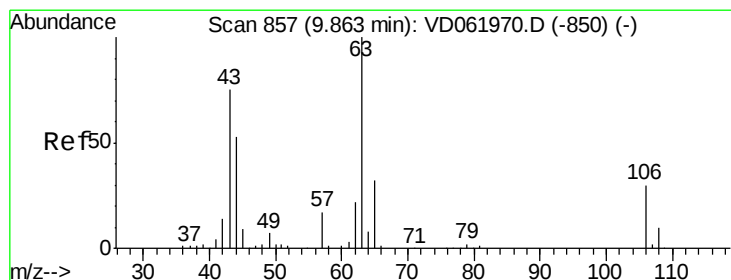
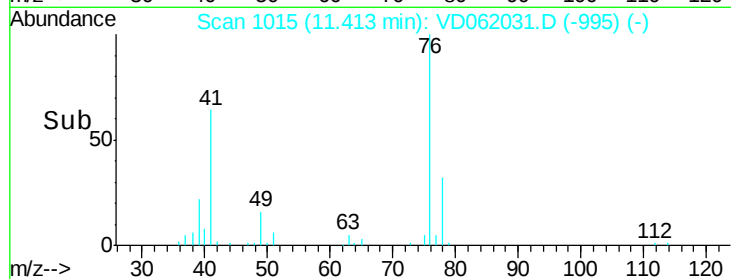
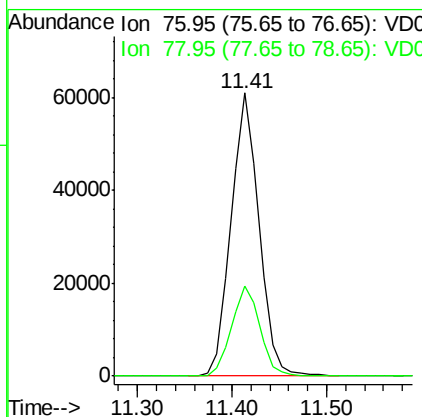
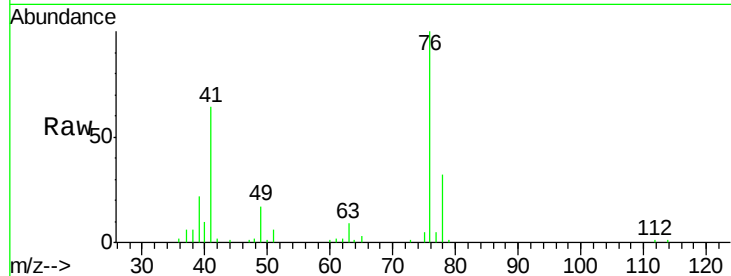




#57
 1,3-Dichloropropane
 Concen: 22.229 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

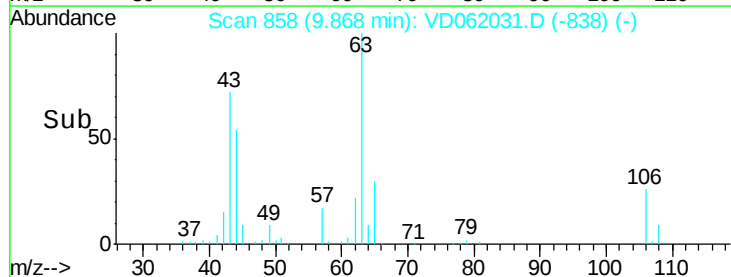
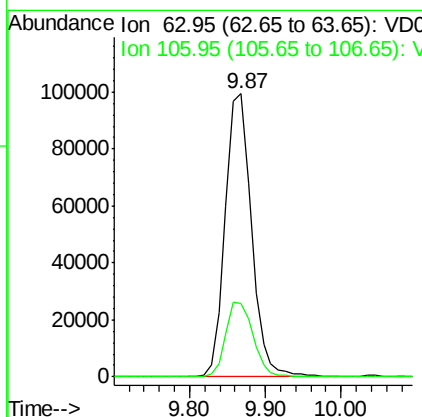
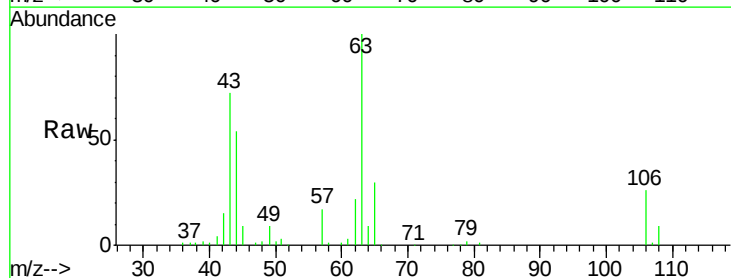
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

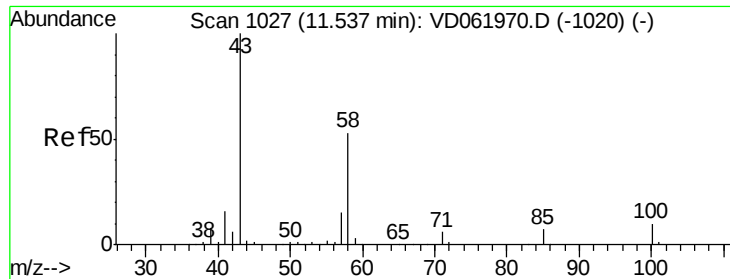
Tot Ion: 76 Resp: 124153
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 128.654 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 63 Resp: 239561
 Ion Ratio Lower Upper
 63 100
 106 26.0 22.6 34.0

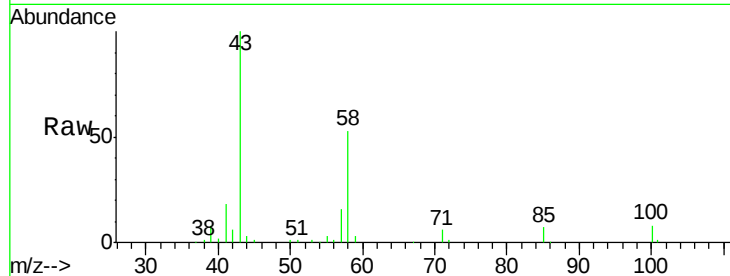




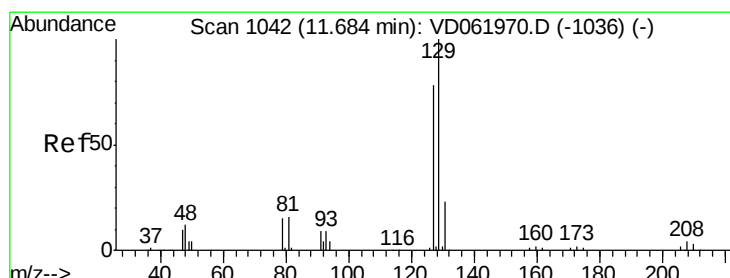
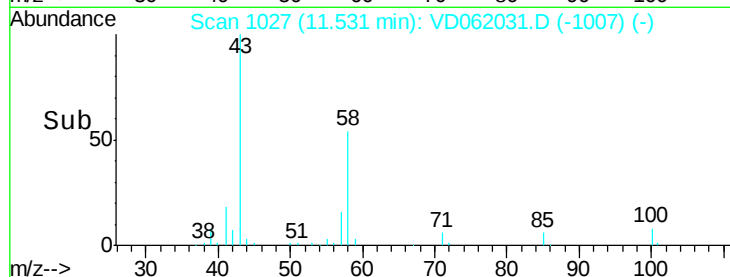
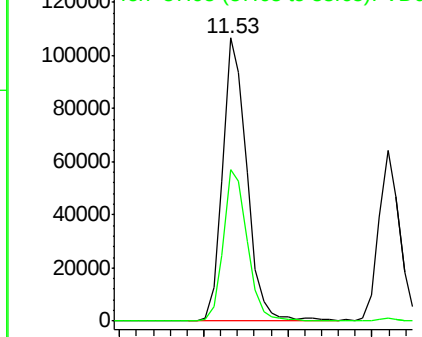
#59
2-Hexanone
Concen: 109.186 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tot Ion: 43 Resp: 212817
Ion Ratio Lower Upper
43 100
58 53.4 25.4 76.4

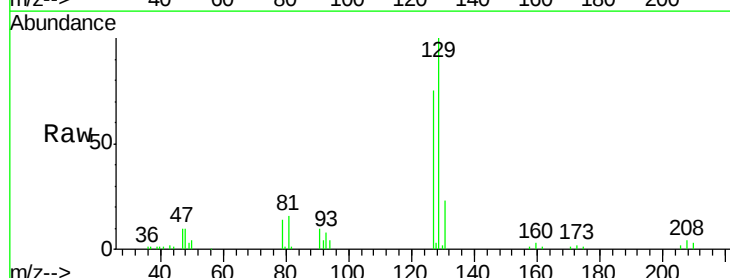


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

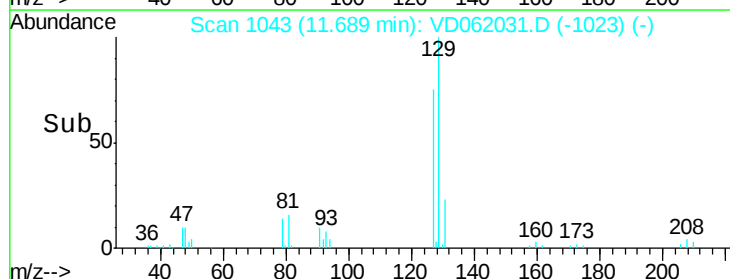
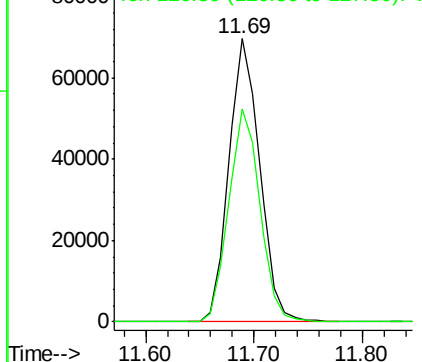


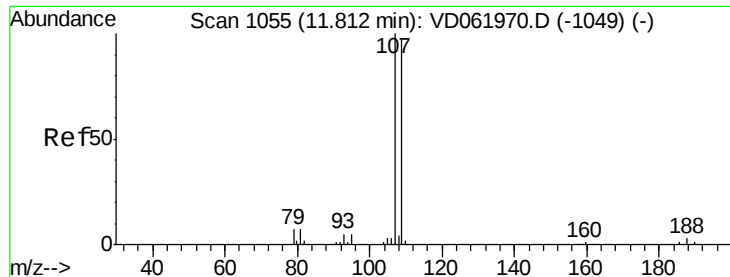
#60
Dibromochloromethane
Concen: 23.041 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 129 Resp: 137861
Ion Ratio Lower Upper
129 100
127 75.2 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

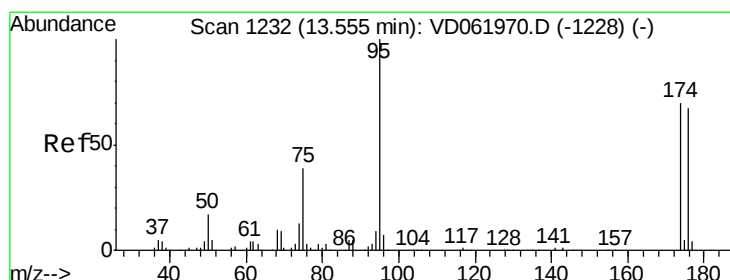
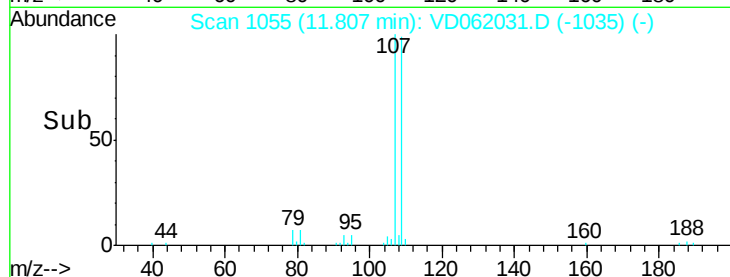
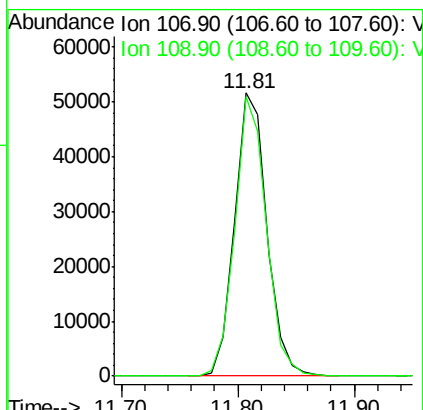
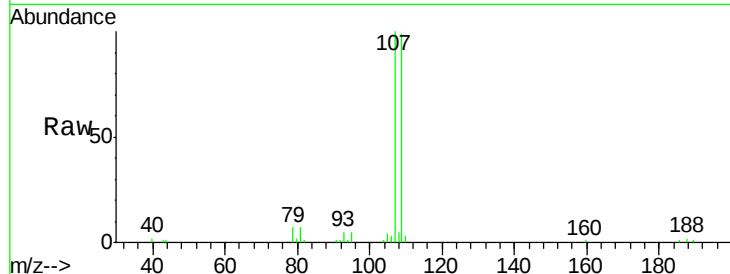




#61
 1,2-Dibromoethane
 Concen: 23.051 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

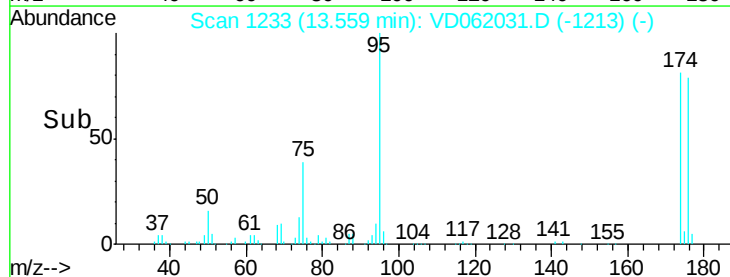
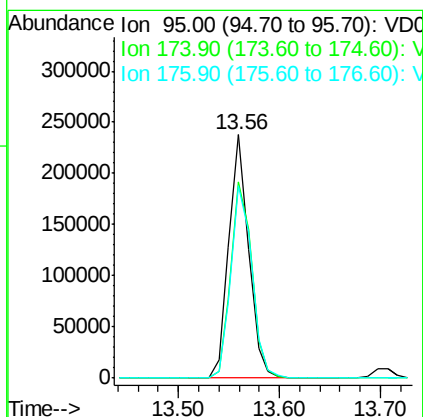
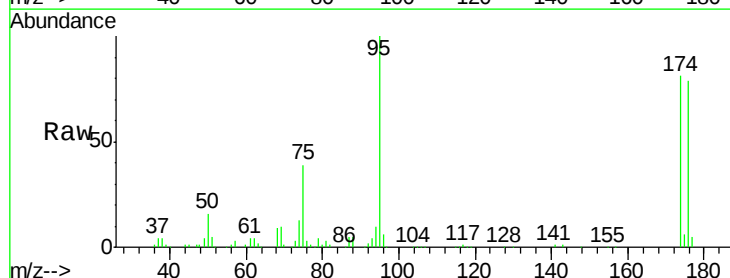
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

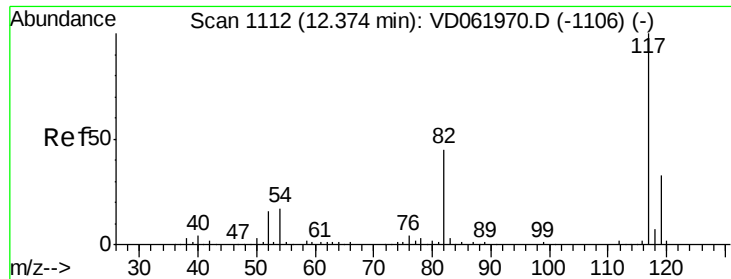
Tot Ion:107 Resp: 98881
 Ion Ratio Lower Upper
 107 100
 109 98.6 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 56.201 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 95 Resp: 324899
 Ion Ratio Lower Upper
 95 100
 174 80.6 0.0 181.8
 176 79.1 0.0 174.4

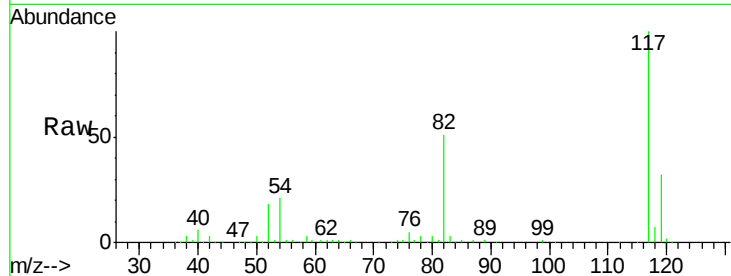




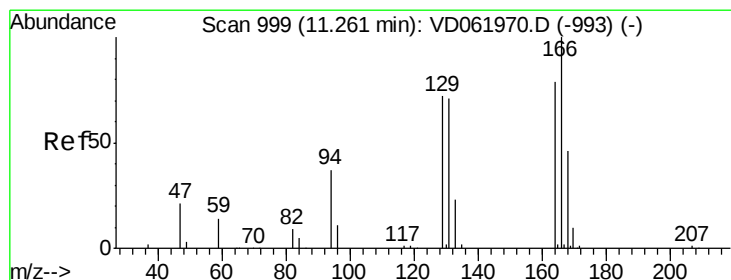
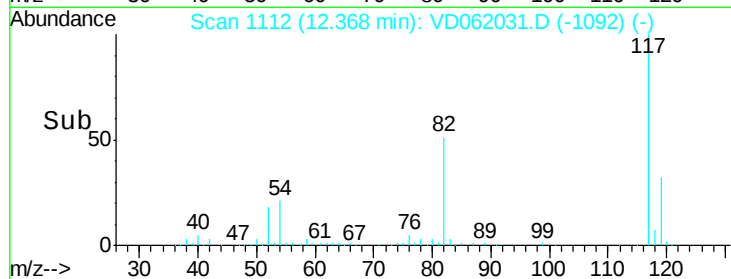
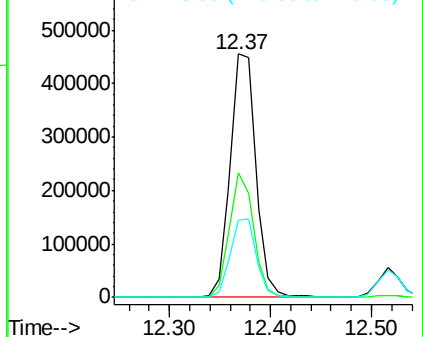
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tot Ion:117 Resp: 804886
Ion Ratio Lower Upper
117 100
82 51.2 36.2 54.2
119 31.9 26.2 39.4

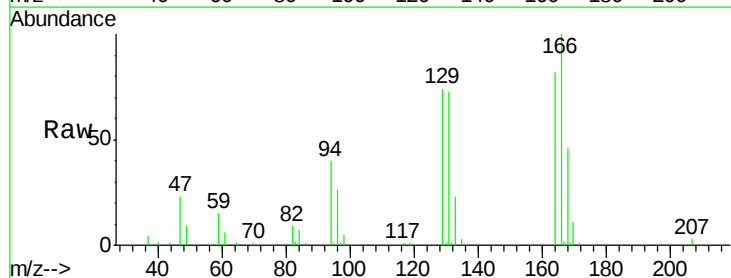


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

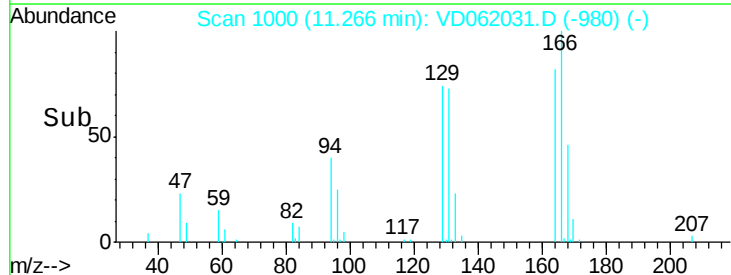
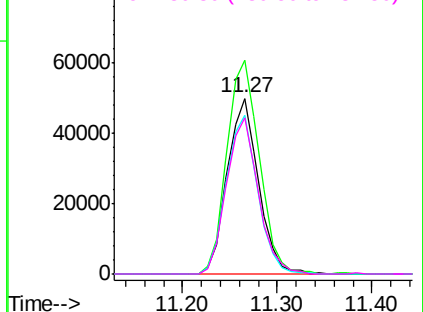


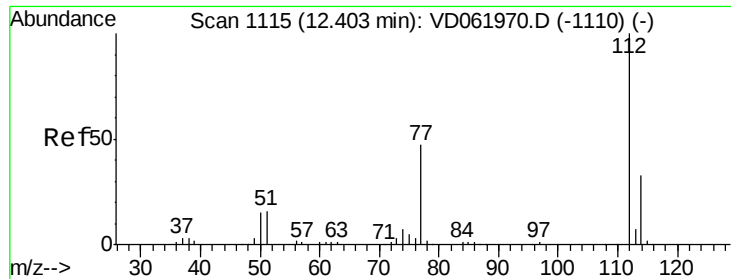
#64
Tetrachloroethene
Concen: 19.908 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion:164 Resp: 114303
Ion Ratio Lower Upper
164 100
166 121.5 101.5 152.3
129 90.4 74.6 112.0
131 89.2 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

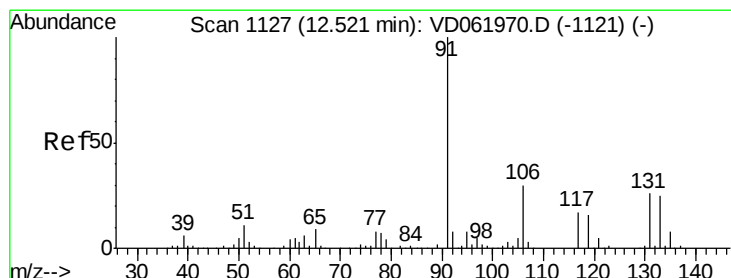
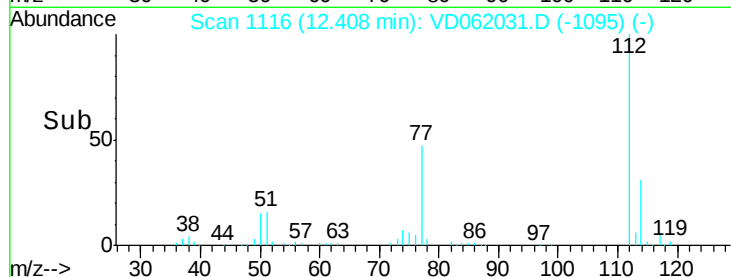
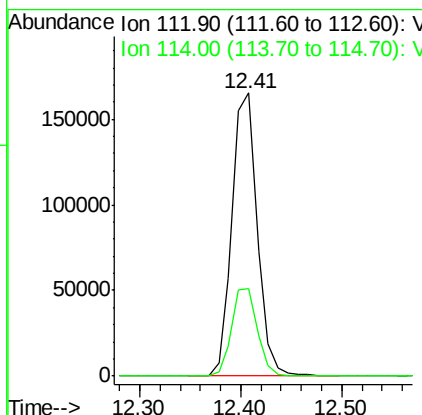
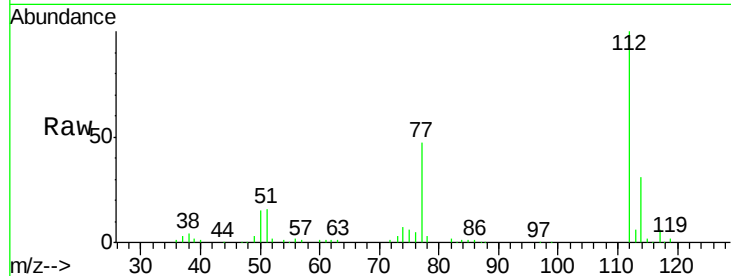




#65
Chlorobenzene
Concen: 18.859 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

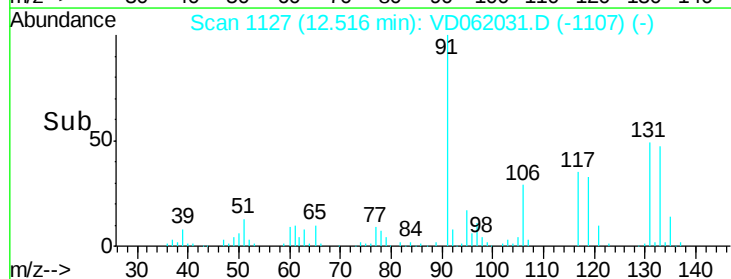
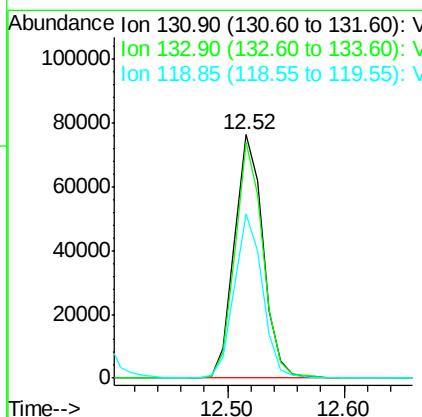
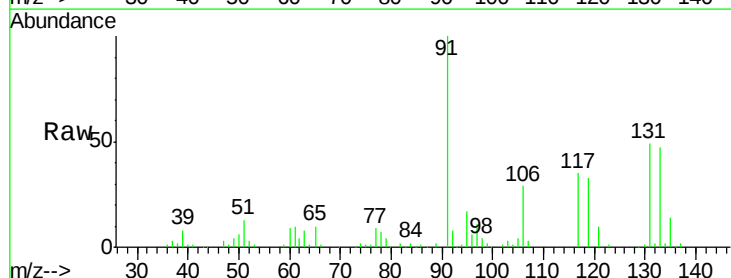
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tot Ion:112 Resp: 286834
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.205 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion:131 Resp: 130352
Ion Ratio Lower Upper
131 100
133 97.1 48.6 145.8
119 67.4 34.7 104.1

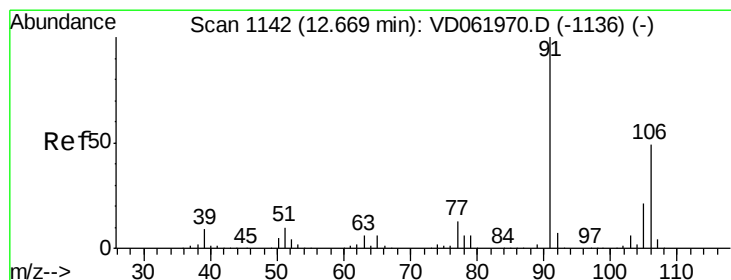
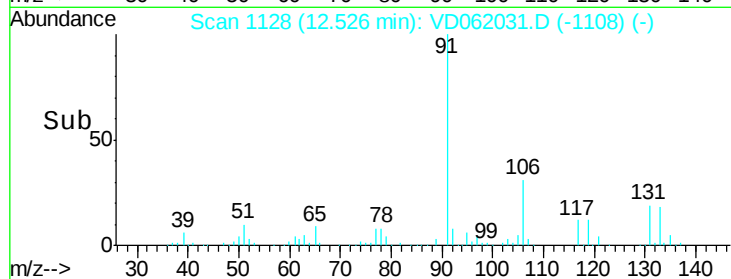
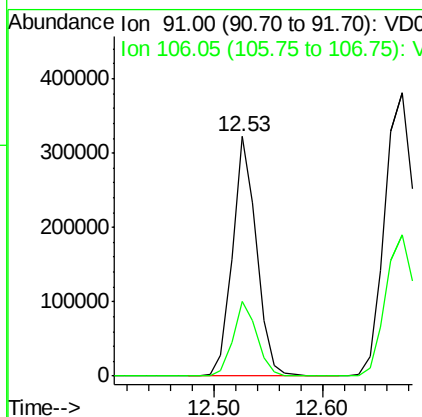
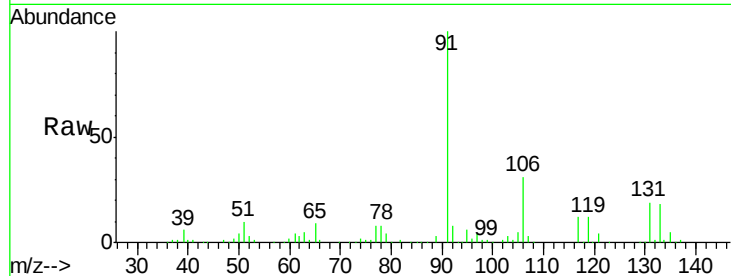




#67
Ethyl Benzene
Concen: 20.049 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

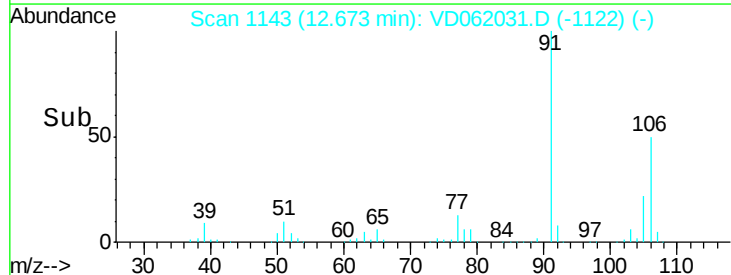
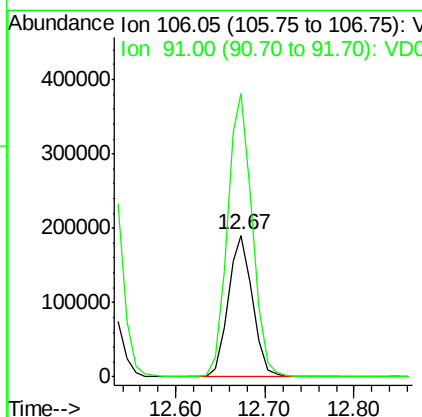
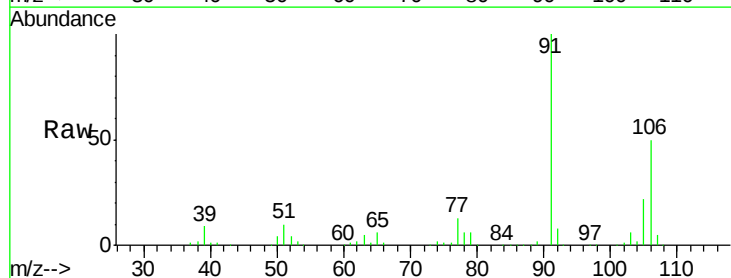
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tot Ion: 91 Resp: 497717
Ion Ratio Lower Upper
91 100
106 31.3 24.7 37.1



#68
m/p-Xylenes
Concen: 40.675 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 106 Resp: 364950
Ion Ratio Lower Upper
106 100
91 199.8 164.0 246.0

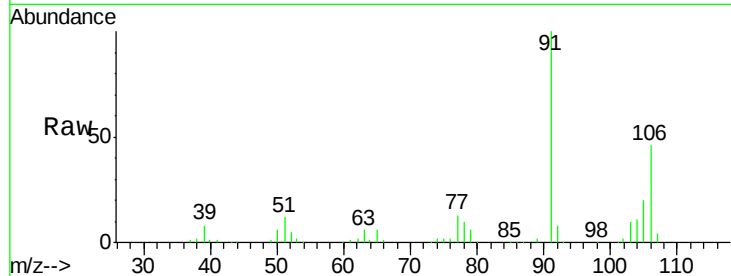




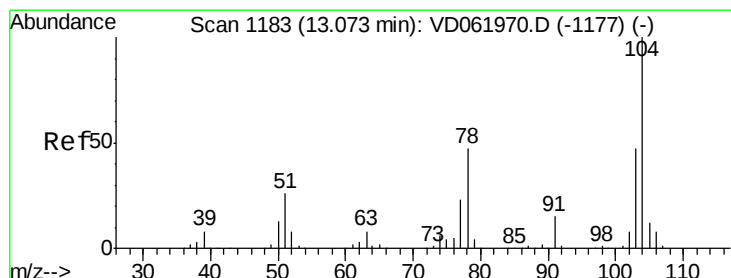
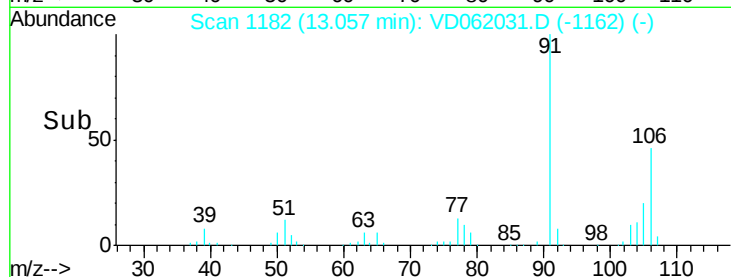
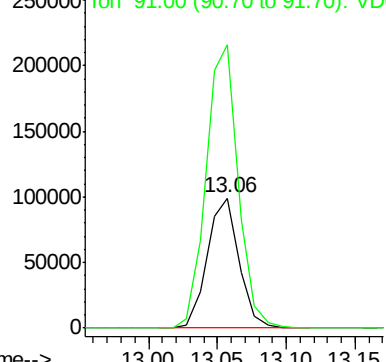
#69
o-Xylene
Concen: 19.253 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleID :
VD0425SBS01

Tot Ion:106 Resp: 158053
Ion Ratio Lower Upper
106 100
91 218.0 106.7 319.9

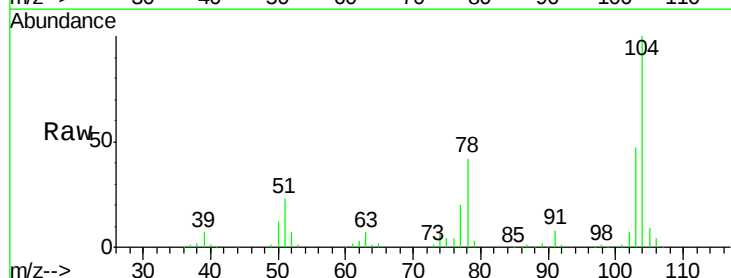


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

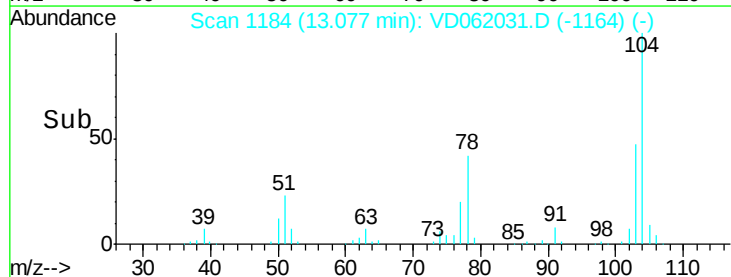
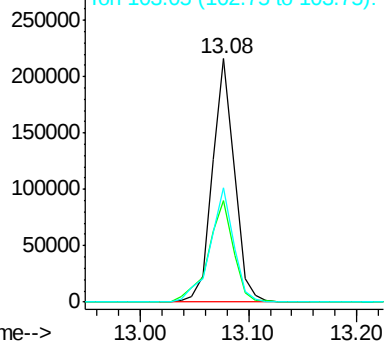


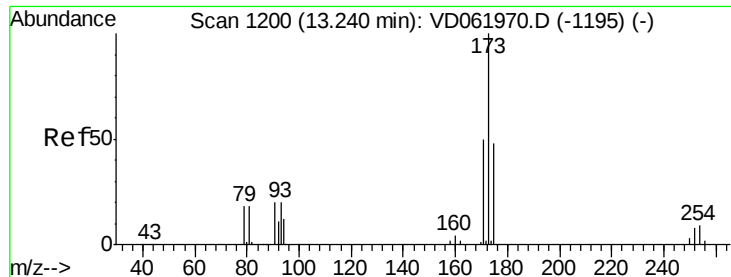
#70
Styrene
Concen: 21.387 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion:104 Resp: 303165
Ion Ratio Lower Upper
104 100
78 41.7 35.4 53.2
103 47.0 37.5 56.3



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





#71

Bromoform

Concen: 18.941 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

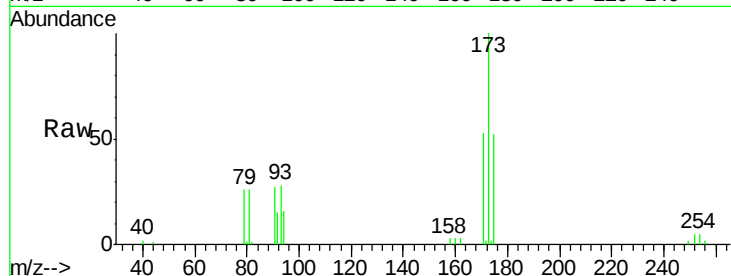
Tot Ion:173 Resp: 69668

Ion Ratio Lower Upper

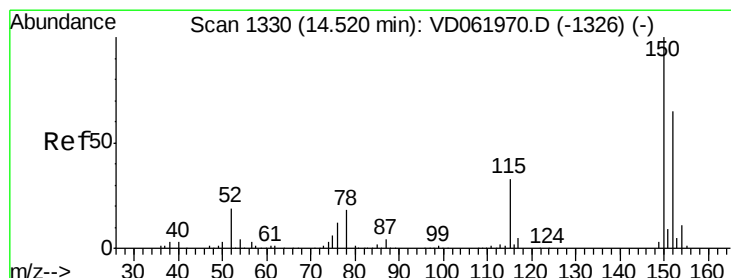
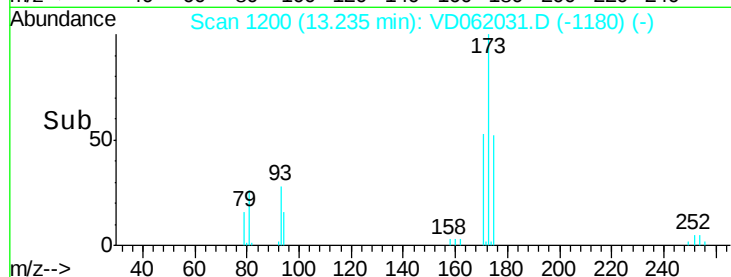
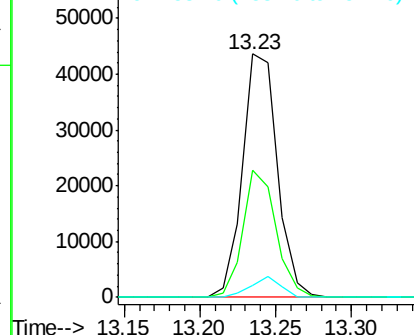
173 100

175 52.4 24.4 73.4

254 5.1 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: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

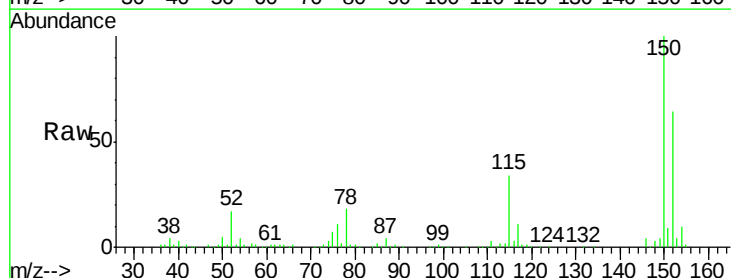
Tgt Ion:152 Resp: 379147

Ion Ratio Lower Upper

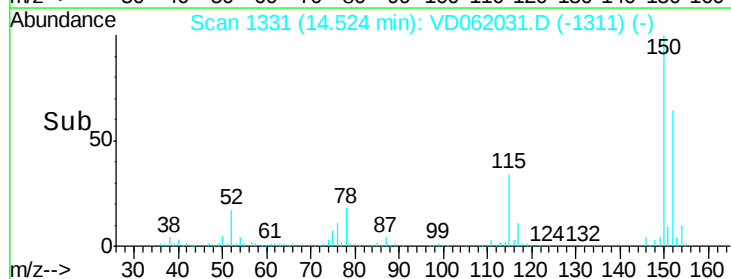
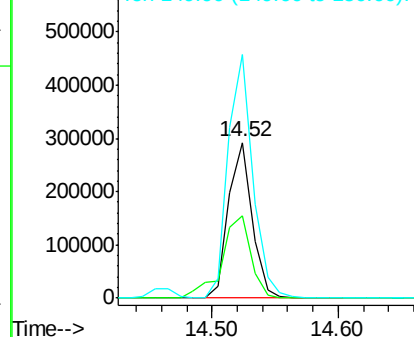
152 100

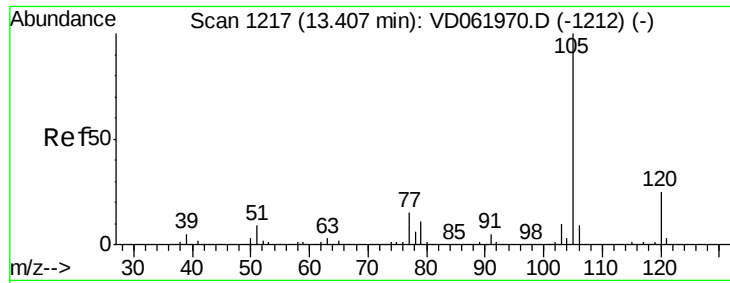
115 53.1 30.9 92.7

150 156.4 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: 18.575 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

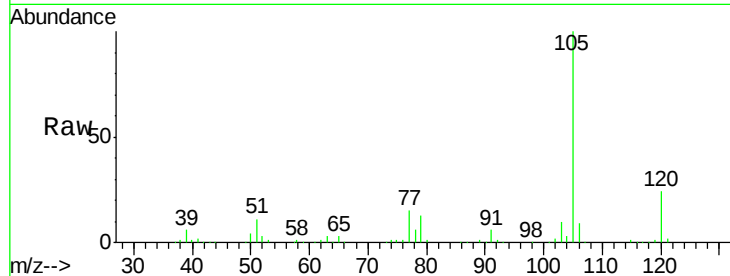
VD0425SBS01

Tot Ion:105 Resp: 469787

Ion Ratio Lower Upper

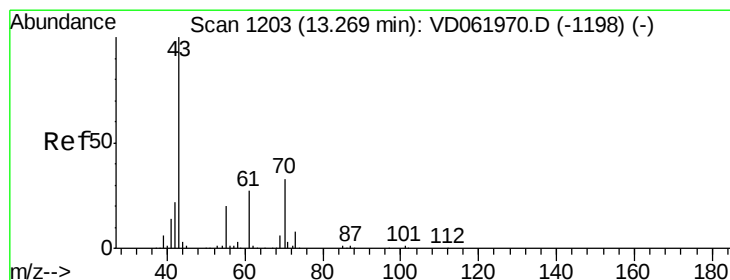
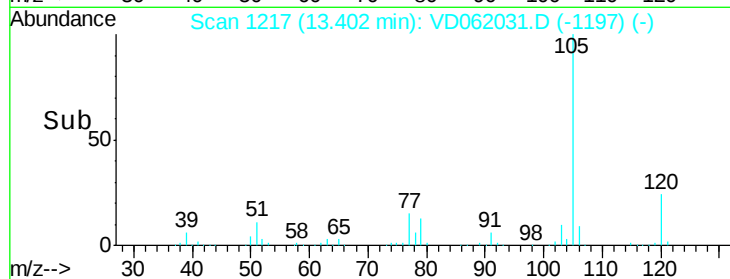
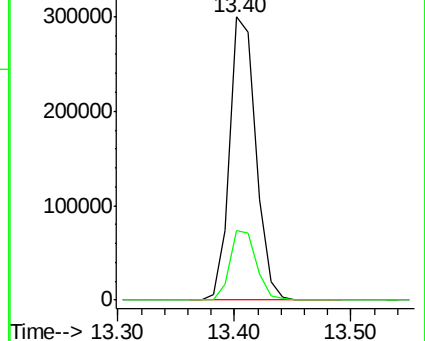
105 100

120 24.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.568 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Tgt Ion: 43 Resp: 120946

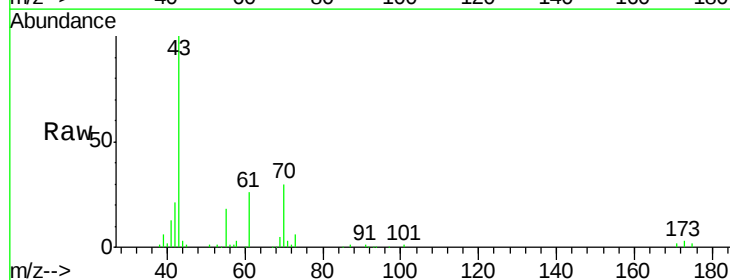
Ion Ratio Lower Upper

43 100

70 30.1 24.2 36.4

55 17.7 16.0 24.0

61 26.1 21.6 32.4

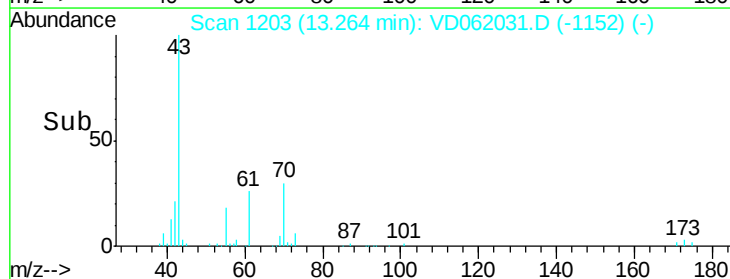
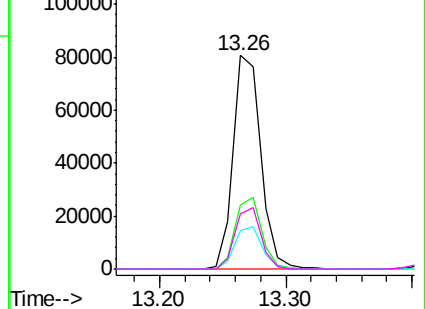


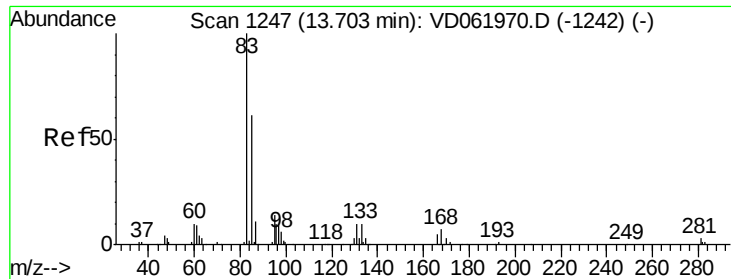
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.237 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

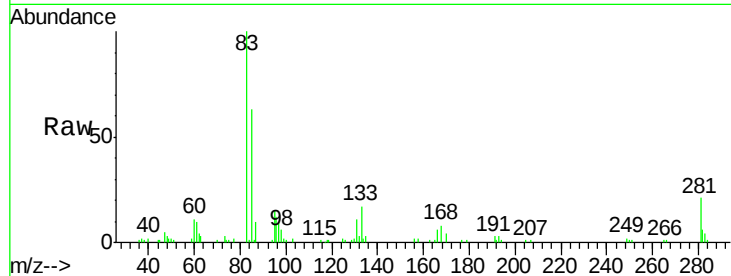
Tot Ion: 83 Resp: 95345

Ion Ratio Lower Upper

83 100

131 10.5 5.0 14.9

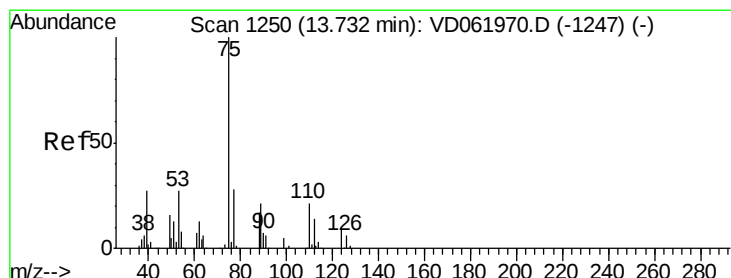
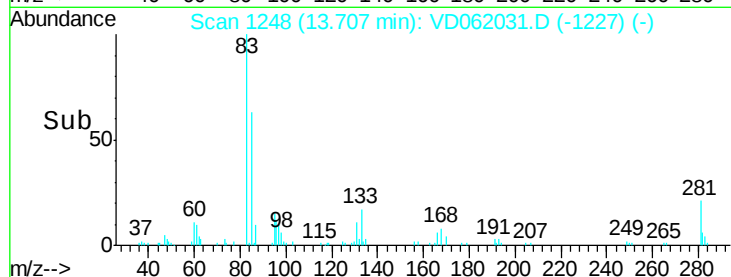
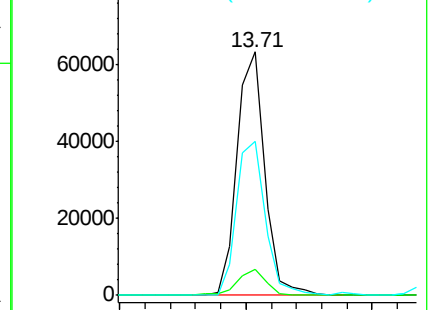
85 63.5 32.6 97.7



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: 17.728 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062031.D

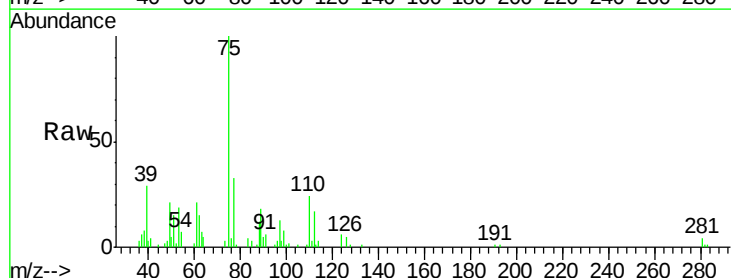
Acq: 25 Apr 2019 11:33

Tgt Ion: 75 Resp: 85355

Ion Ratio Lower Upper

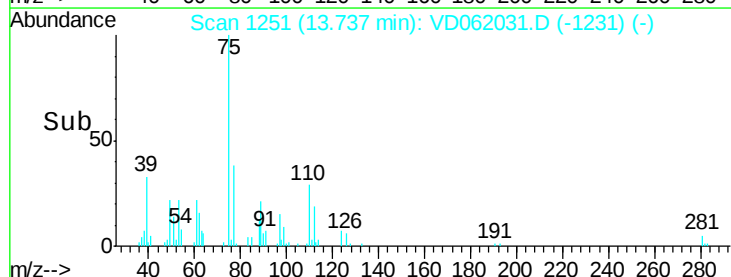
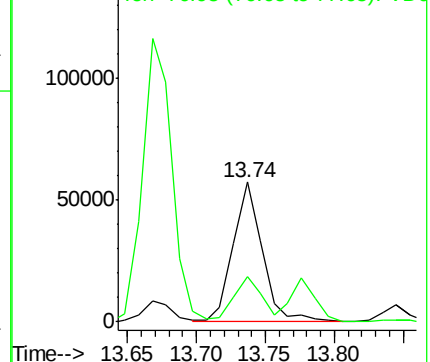
75 100

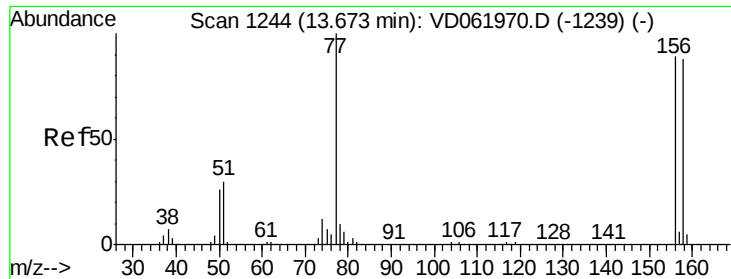
77 32.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.952 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

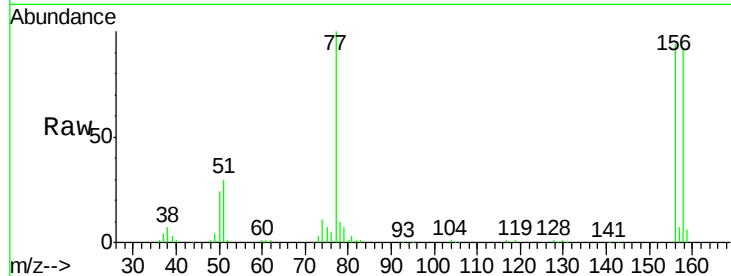
Tot Ion:156 Resp: 137501

Ion Ratio Lower Upper

156 100

77 106.5 53.1 159.4

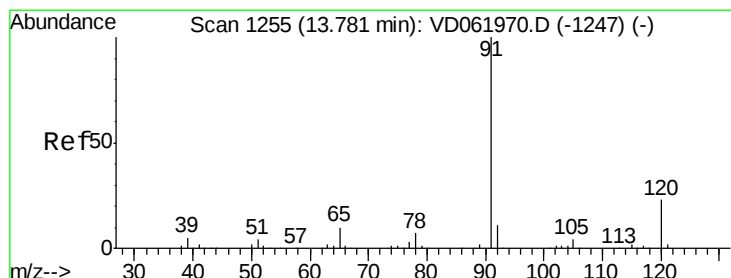
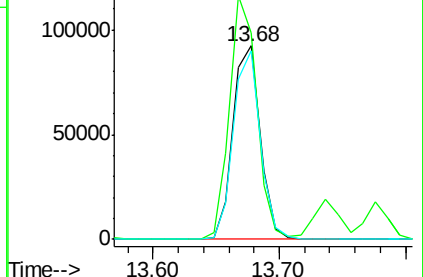
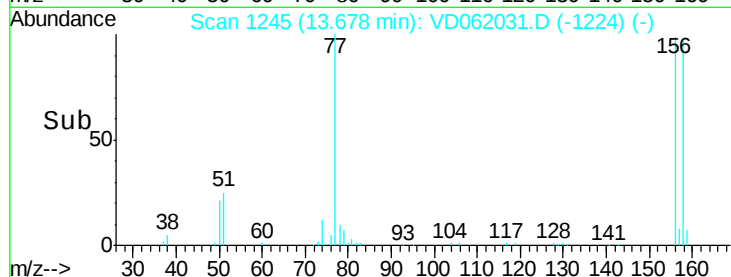
158 97.6 49.4 148.0



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: 20.256 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062031.D

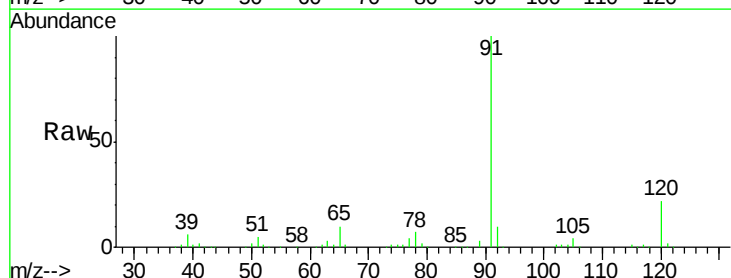
Acq: 25 Apr 2019 11:33

Tgt Ion: 91 Resp: 586473

Ion Ratio Lower Upper

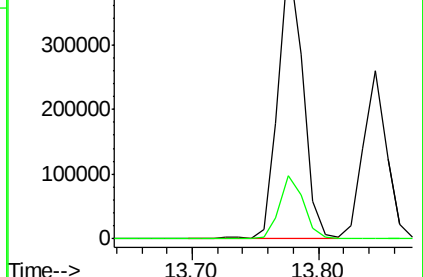
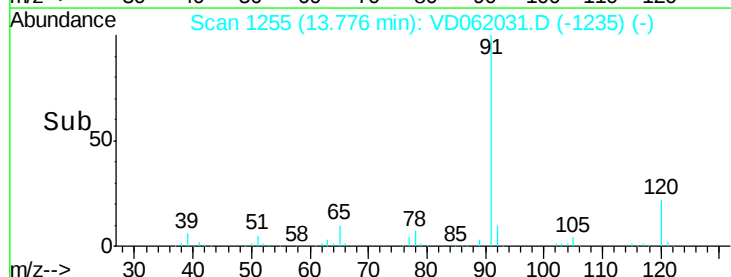
91 100

120 22.1 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: 19.125 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

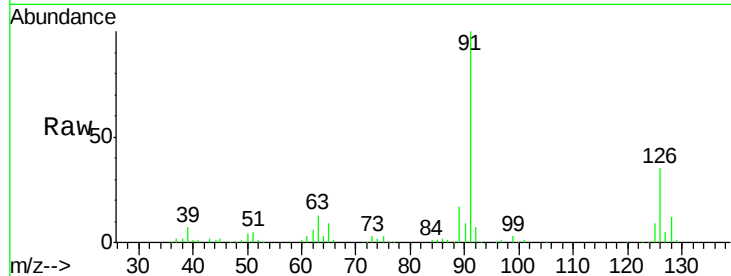
VD0425SBS01

Tot Ion: 91 Resp: 335402

Ion Ratio Lower Upper

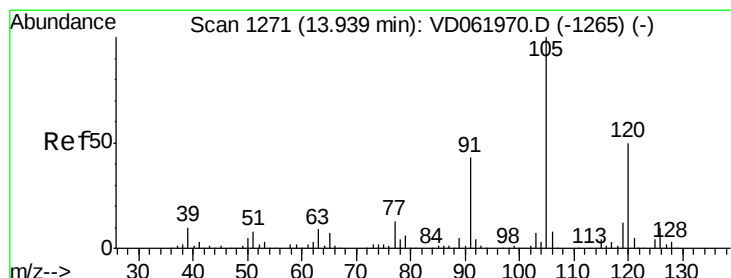
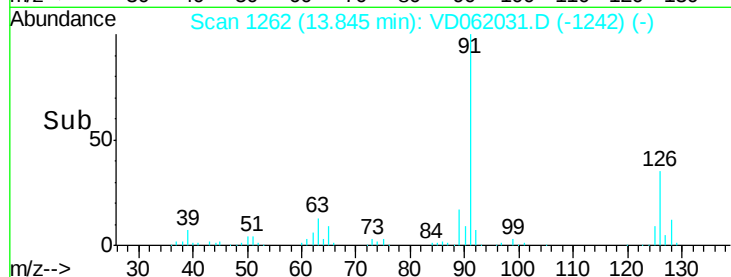
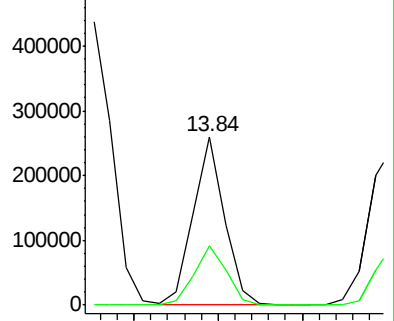
91 100

126 35.0 18.6 55.8



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

Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.175 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062031.D

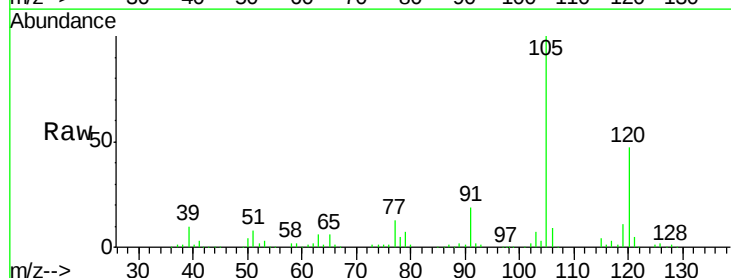
Acq: 25 Apr 2019 11:33

Tgt Ion:105 Resp: 386697

Ion Ratio Lower Upper

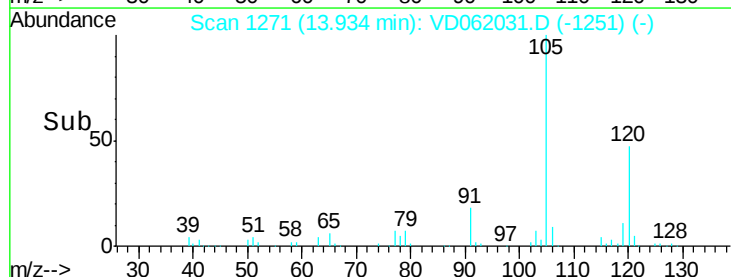
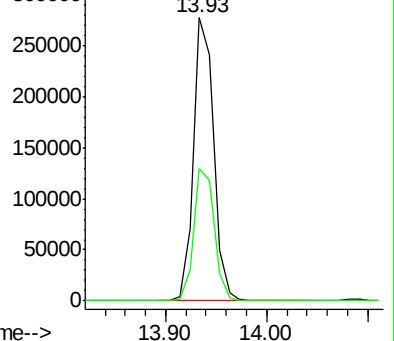
105 100

120 46.6 24.0 72.0



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

Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)

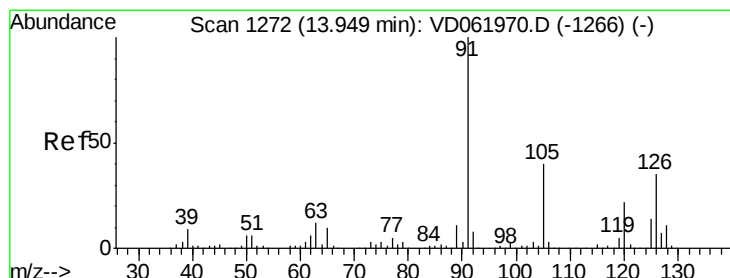
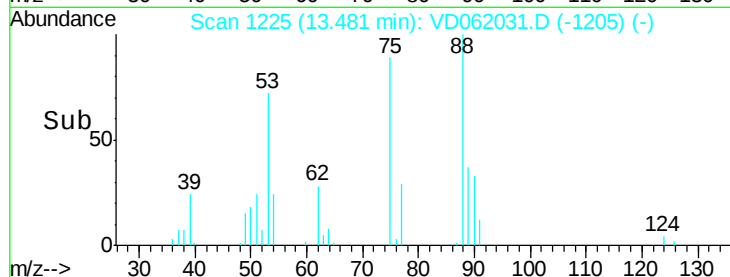
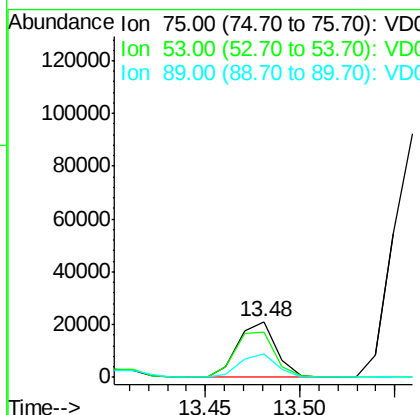
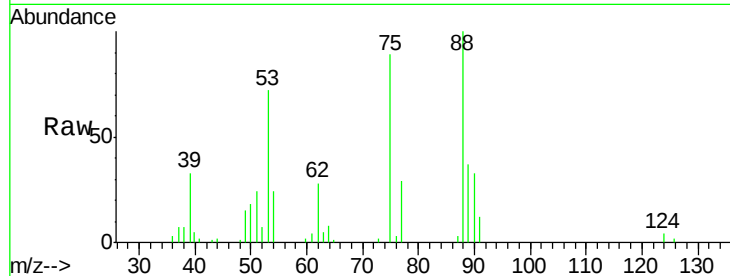




#81
trans-1,4-Dichloro-2-butene
Concen: 20.287 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

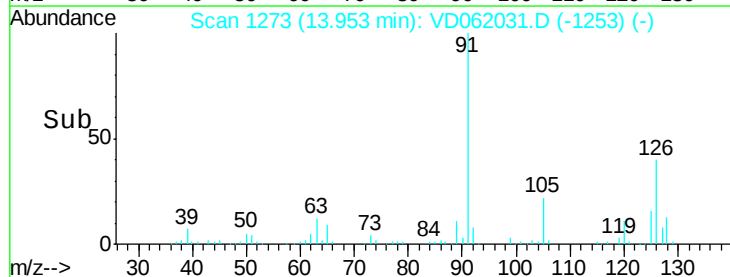
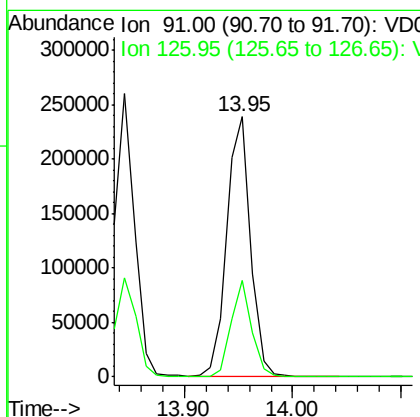
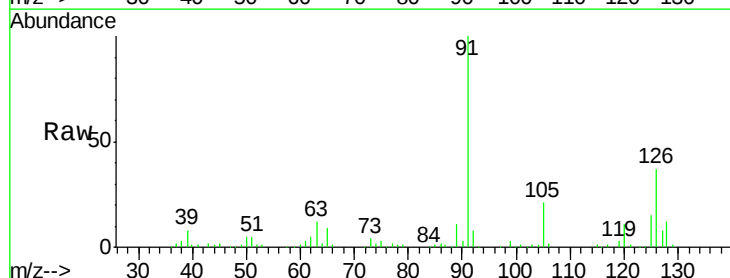
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tot Ion: 75 Resp: 29599
Ion Ratio Lower Upper
75 100
53 81.0 65.8 98.8
89 41.3 35.0 52.6



#82
4-Chlorotoluene
Concen: 18.923 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 91 Resp: 365473
Ion Ratio Lower Upper
91 100
126 37.2 19.1 57.5





#83

tert-Butylbenzene

Concen: 17.656 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

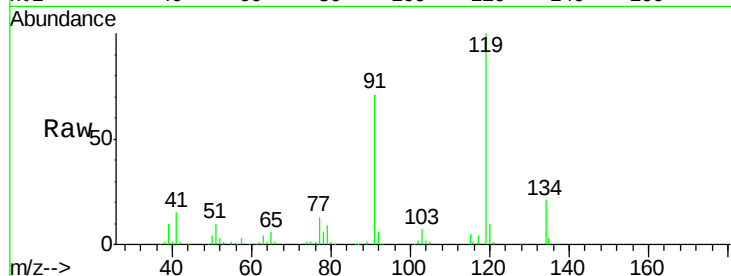
Tot Ion:119 Resp: 412469

Ion Ratio Lower Upper

119 100

91 71.3 34.2 102.6

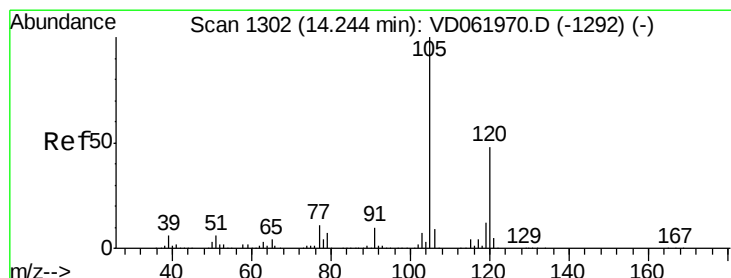
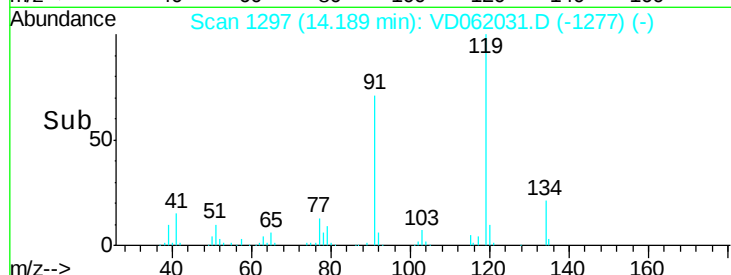
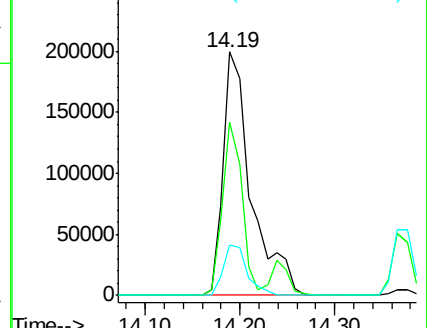
134 20.8 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.081 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD062031.D

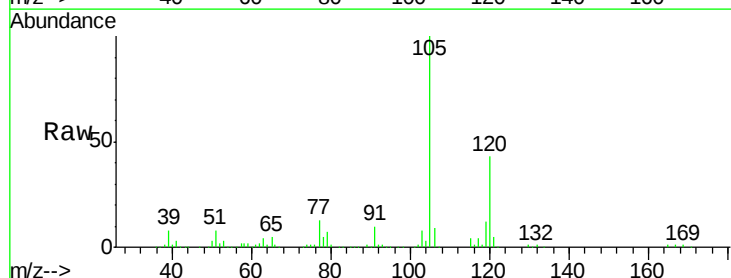
Acq: 25 Apr 2019 11:33

Tgt Ion:105 Resp: 386674

Ion Ratio Lower Upper

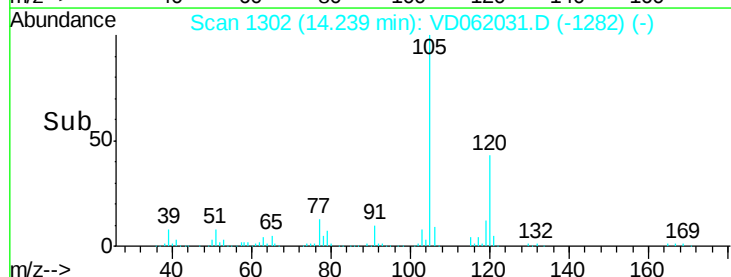
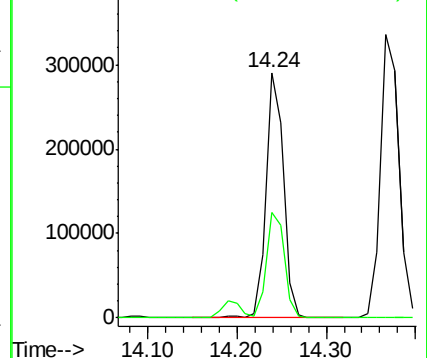
105 100

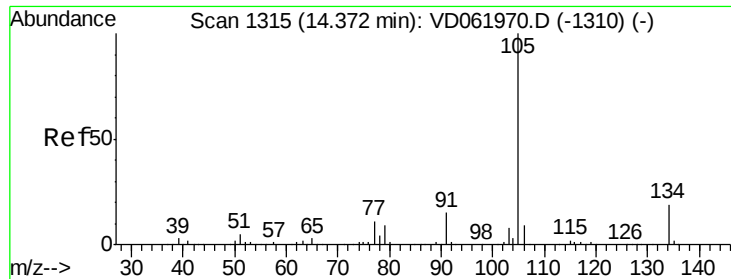
120 42.9 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 18.846 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

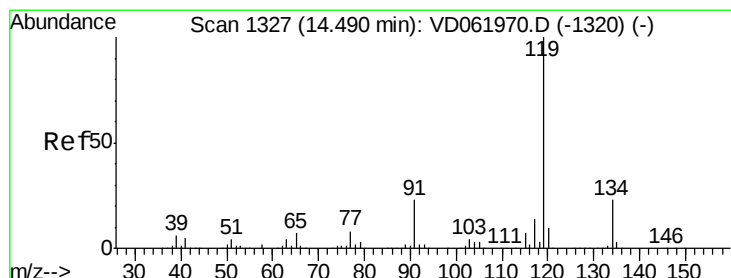
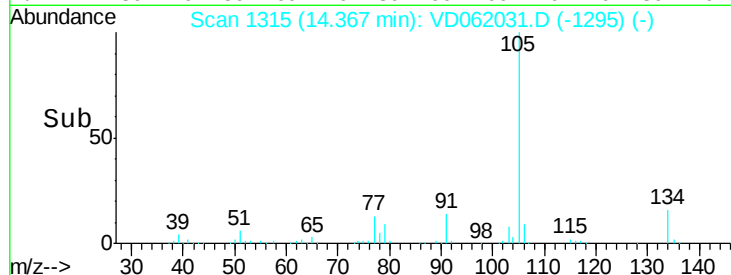
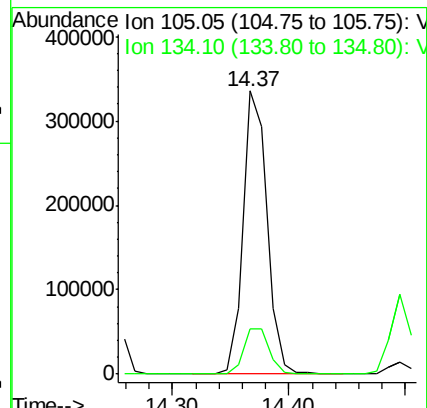
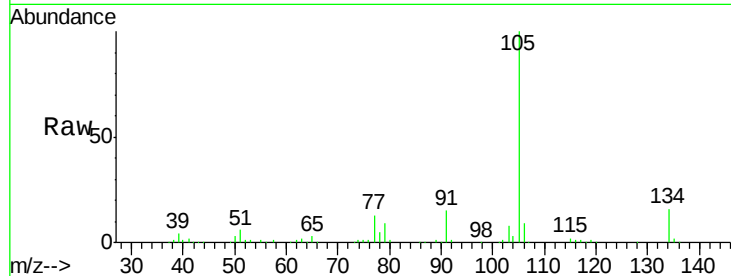
VD0425SBS01

Tot Ion:105 Resp: 475731

Ion Ratio Lower Upper

105 100

134 15.9 8.9 26.7



#86

p-Isopropyltoluene

Concen: 20.302 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

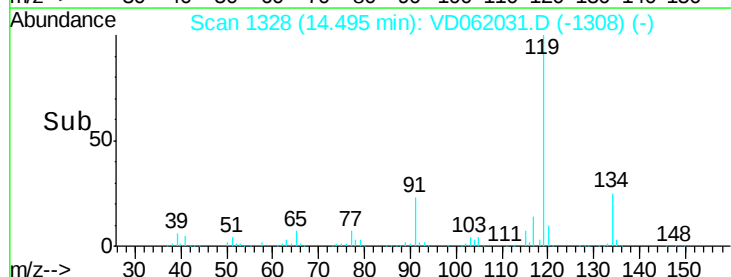
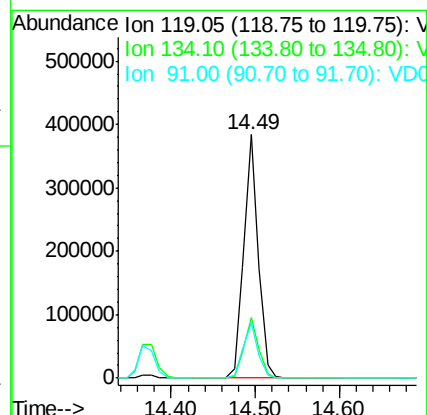
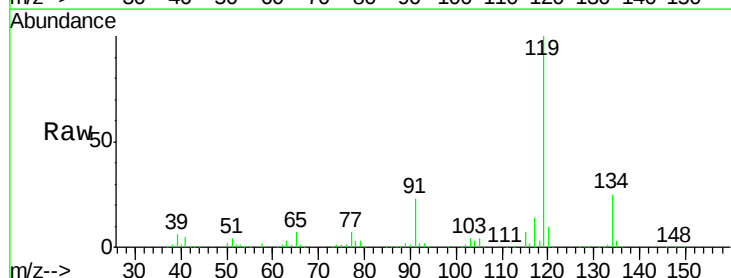
Tgt Ion:119 Resp: 458656

Ion Ratio Lower Upper

119 100

134 24.7 12.8 38.3

91 22.7 10.7 32.1

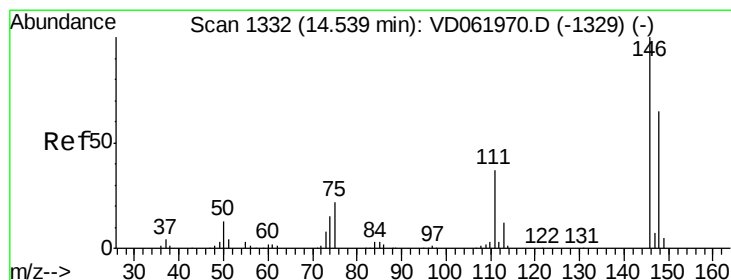
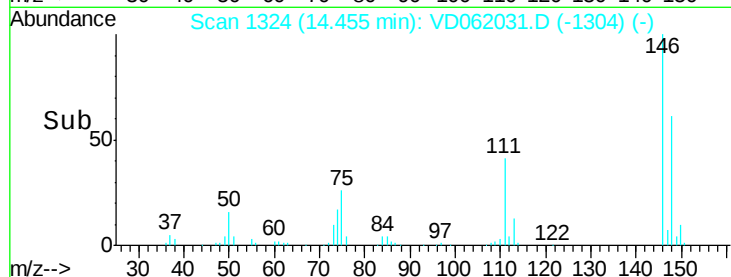
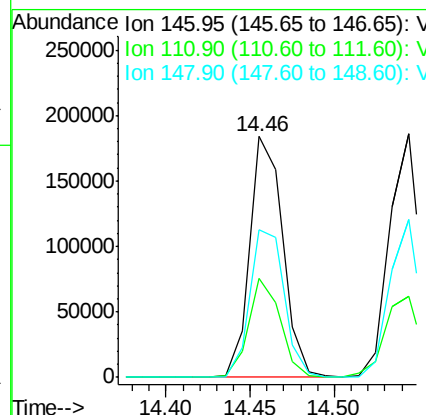
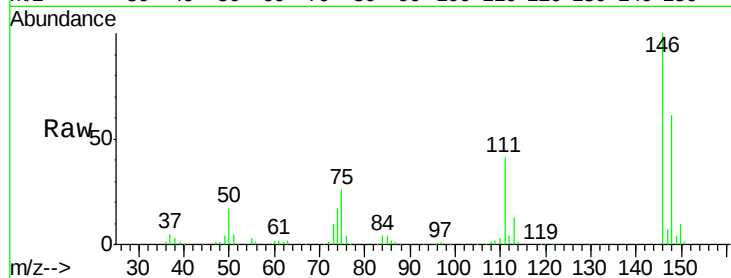




#87
 1,3-Dichlorobenzene
 Concen: 19.776 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

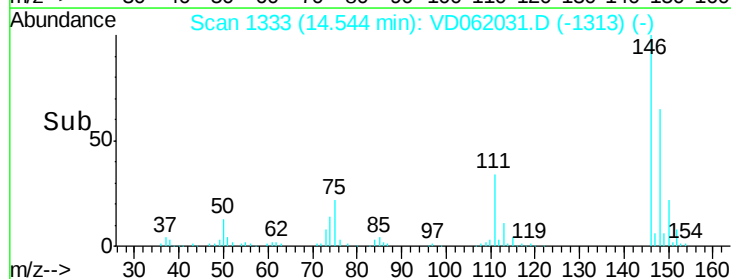
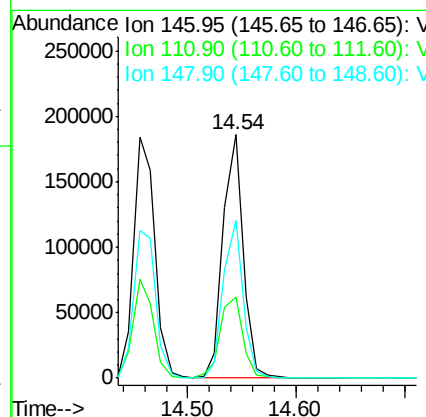
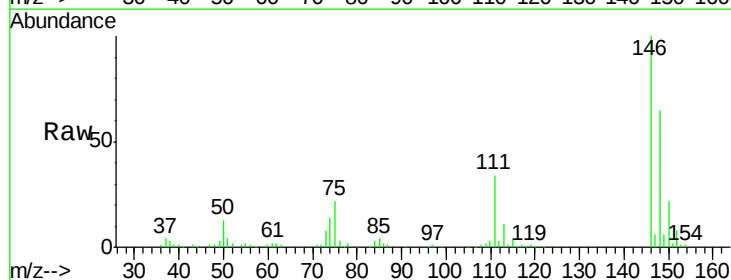
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0425SBS01

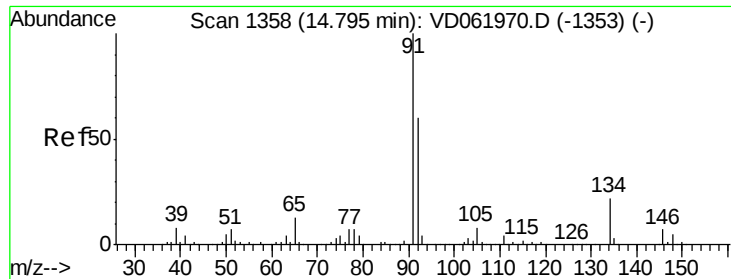
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.0	60.0
148	61.4	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.443 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.6	20.2	60.5
148	64.8	32.0	96.2





#89

n-Butylbenzene

Concen: 20.037 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

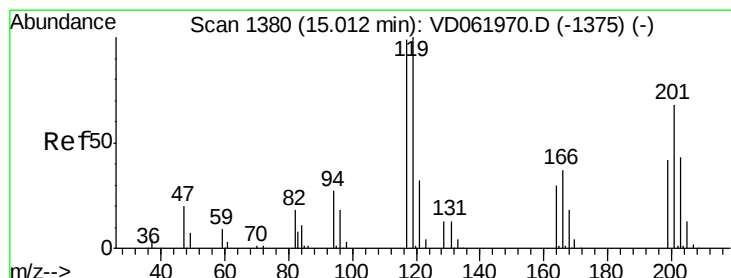
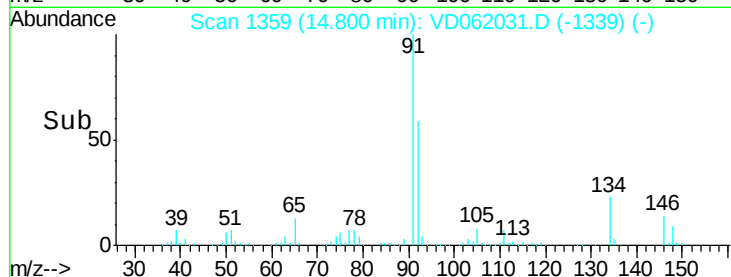
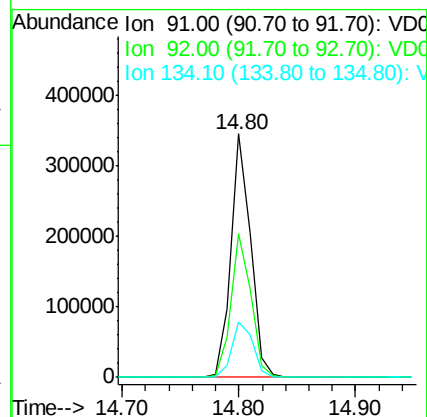
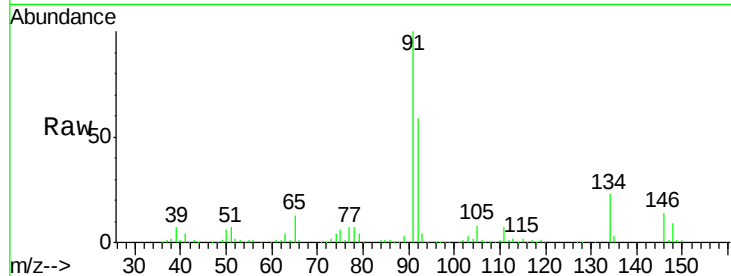
Tot Ion: 91 Resp: 406405

Ion Ratio Lower Upper

91 100

92 58.9 30.3 91.0

134 23.0 14.5 43.6



#90

Hexachloroethane

Concen: 17.727 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062031.D

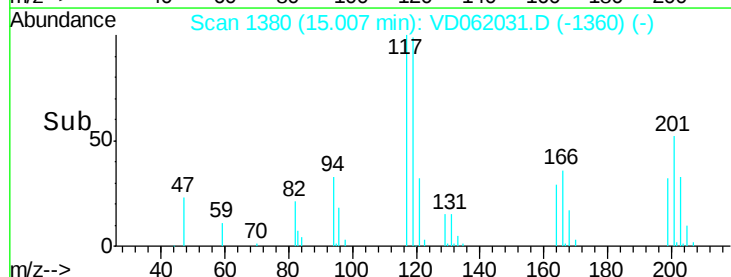
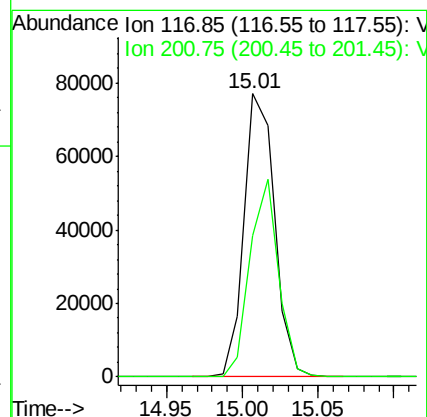
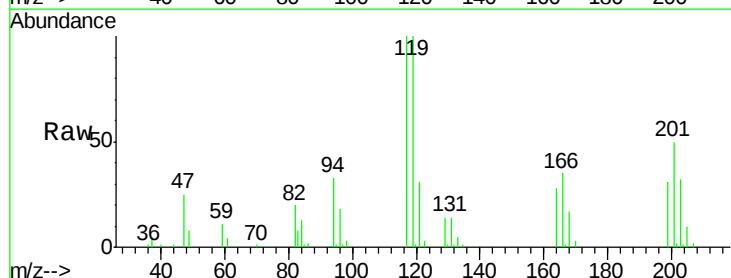
Acq: 25 Apr 2019 11:33

Tgt Ion: 117 Resp: 108293

Ion Ratio Lower Upper

117 100

201 50.1 30.2 90.6

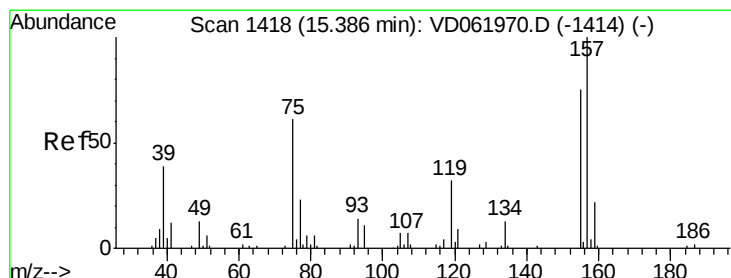
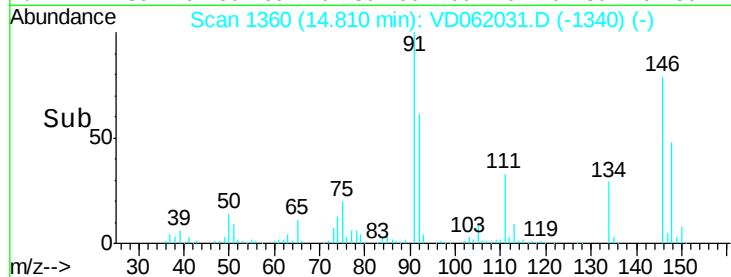
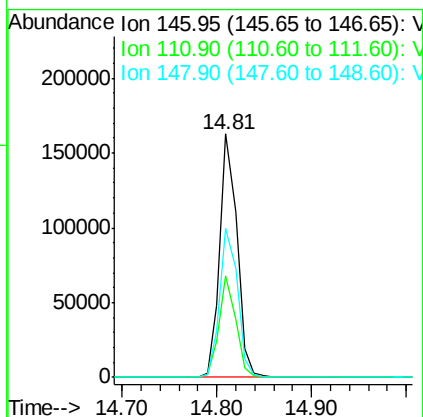
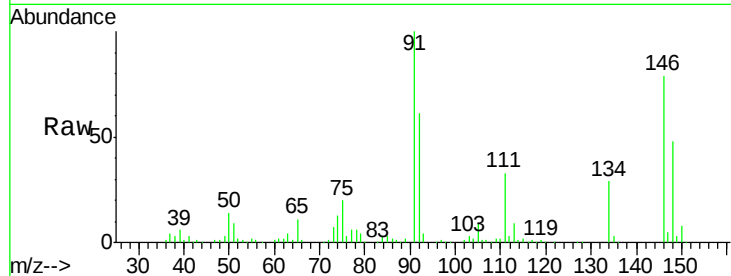




#91
 1,2-Dichlorobenzene
 Concen: 19.763 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

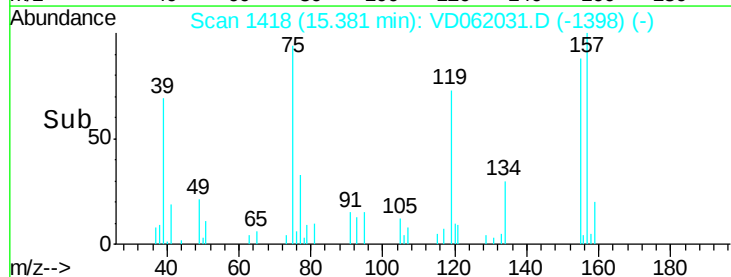
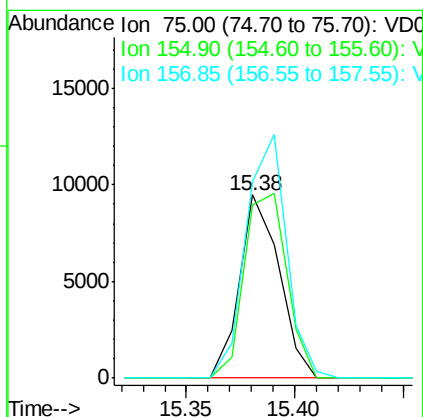
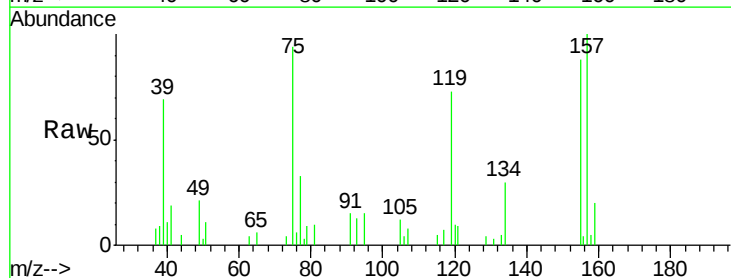
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

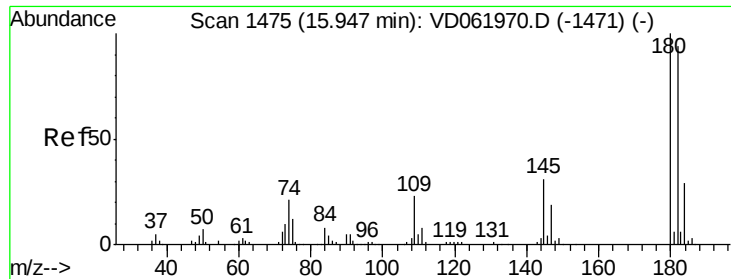
Tot Ion:146 Resp: 207128
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.0 59.9
 148 61.1 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.242 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 75 Resp: 12063
 Ion Ratio Lower Upper
 75 100
 155 94.3 55.3 165.8
 157 106.8 67.8 203.2

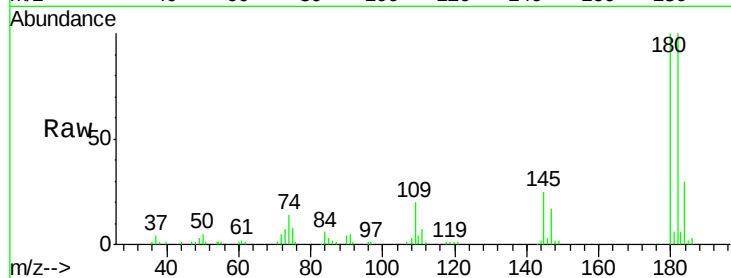




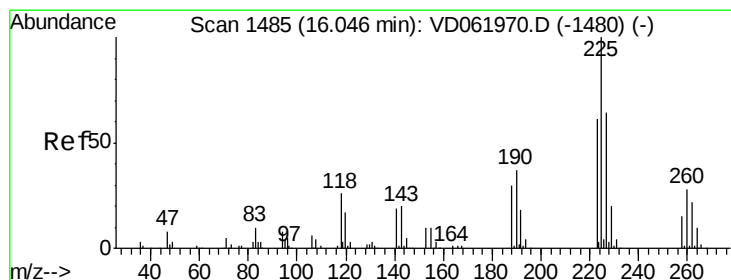
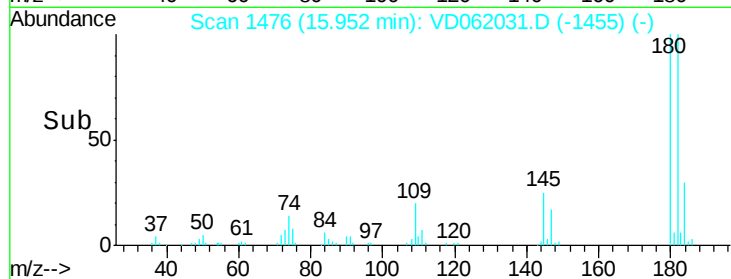
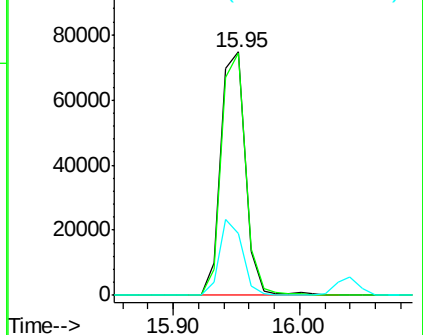
#93
 1,2,4-Trichlorobenzene
 Concen: 17.930 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

Tot Ion:180 Resp: 101390
 Ion Ratio Lower Upper
 180 100
 182 99.8 49.3 147.8
 145 25.2 16.2 48.6

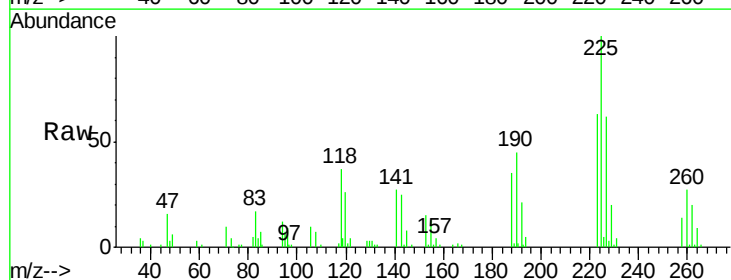


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

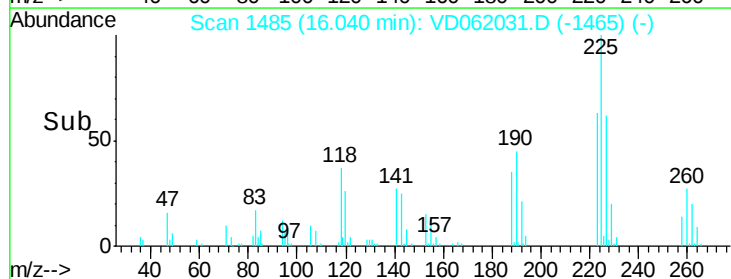
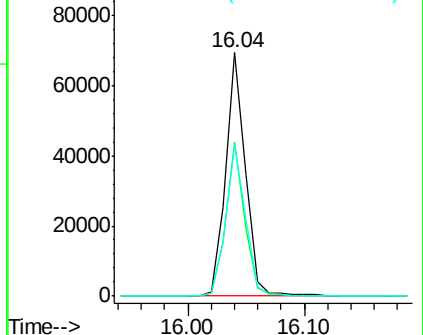


#94
 Hexachlorobutadiene
 Concen: 19.371 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion:225 Resp: 81063
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.6 92.0
 227 62.2 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

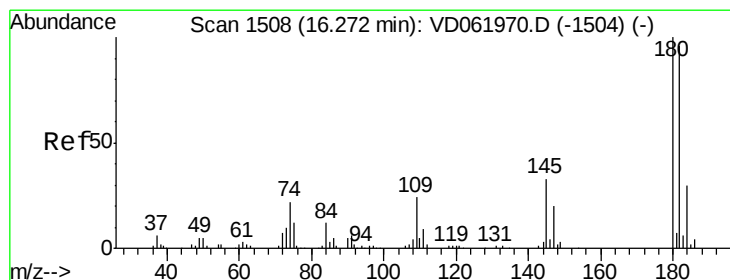
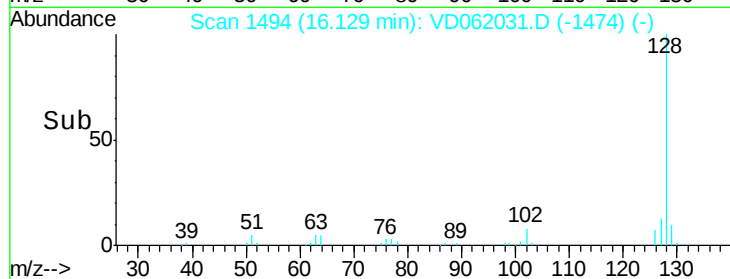
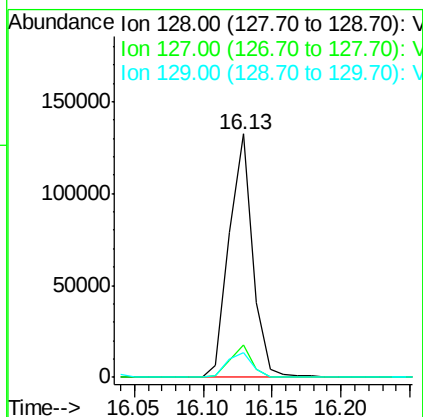
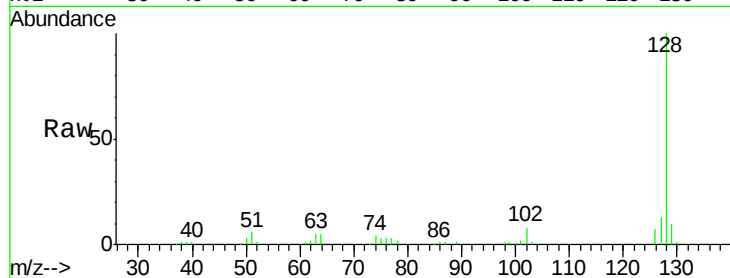




#95
Naphthalene
Concen: 17.257 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tot Ion:128 Resp: 157566
Ion Ratio Lower Upper
128 100
127 13.1 9.8 14.8
129 10.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.244 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion:180 Resp: 61745
Ion Ratio Lower Upper
180 100
182 103.8 47.0 141.0
145 29.9 17.0 51.0

