

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042919\
 Data File : VD062063.D
 Acq On : 29 Apr 2019 15:27
 Operator : FY/SY
 Sample : VD0429SBS01
 Misc : 5.00gm/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

Quant Time: Apr 29 15:53:09 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	7.02	168	550332	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	891485	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	729939	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	379783	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	234134	54.36	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.72%	
35) Dibromofluoromethane	6.89	113	336670	54.61	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	109.22%	
50) Toluene-d8	10.39	98	800120	54.54	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	109.08%	
62) 4-Bromofluorobenzene	13.54	95	289254	49.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	86965	17.697	ug/l	98
3) Chloromethane	1.75	50	74145	17.753	ug/l	95
4) Vinyl Chloride	1.84	62	72824	19.237	ug/l	98
5) Bromomethane	2.14	94	20568	17.999	ug/l	94
6) Chloroethane	2.25	64	25245	18.449	ug/l #	87
7) Trichlorofluoromethane	2.51	101	121449	21.219	ug/l	98
8) Diethyl Ether	2.86	74	31297	20.402	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.13	101	112038	21.249	ug/l	99
10) Methyl Iodide	3.29	142	117410	18.458	ug/l	97
11) Tert butyl alcohol	4.04	59	23150	95.127	ug/l	100
12) 1,1-Dichloroethene	3.11	96	86036	19.180	ug/l	98
13) Acrolein	3.02	56	21384	84.689	ug/l	96
14) Allyl chloride	3.60	41	115749	18.897	ug/l	92
15) Acrylonitrile	4.17	53	70706	93.828	ug/l	96
16) Acetone	3.20	43	97477	94.782	ug/l	96
17) Carbon Disulfide	3.36	76	238758	18.419	ug/l	100
18) Methyl Acetate	3.62	43	39866	20.080	ug/l	99
19) Methyl tert-butyl Ether	4.21	73	157374	17.682	ug/l	96
20) Methylene Chloride	3.79	84	102719	18.508	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	90019	17.493	ug/l	99
22) Diisopropyl ether	5.08	45	287608	20.111	ug/l	94
23) Vinyl Acetate	5.02	43	758566	101.855	ug/l	100
24) 1,1-Dichloroethane	4.95	63	174499	20.188	ug/l	100
25) 2-Butanone	6.04	43	115875	92.931	ug/l	99
26) 2,2-Dichloropropane	6.00	77	158321	20.996	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	114334	19.530	ug/l	97
28) Bromochloromethane	6.41	49	73577	22.247	ug/l	97
29) Tetrahydrofuran	6.43	42	57725	93.957	ug/l	98
30) Chloroform	6.64	83	200230	20.395	ug/l	99
31) Cyclohexane	6.92	56	123303	19.219	ug/l	96
32) 1,1,1-Trichloroethane	6.85	97	178182	20.859	ug/l	96
36) 1,1-Dichloropropene	7.12	75	141937	20.435	ug/l	95
37) Ethyl Acetate	6.16	43	57197	19.325	ug/l #	91
38) Carbon Tetrachloride	7.08	117	184013	20.908	ug/l	98

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 VD0429SBS01

Quant Time: Apr 29 15:53:09 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)
39) Methylcyclohexane	8.84	83	134148	19.576	ug/l	97
40) Benzene	7.43	78	340794	19.819	ug/l	99
41) Methacrylonitrile	6.41	41	66220	19.175	ug/l #	95
42) 1,2-Dichloroethane	7.55	62	124441	21.314	ug/l	99
43) Isopropyl Acetate	9.22	43	76712	17.738	ug/l	100
44) Trichloroethene	8.52	130	144407	21.662	ug/l	93
45) 1,2-Dichloropropane	8.91	63	82001	18.798	ug/l	100
46) Dibromomethane	9.04	93	67071	21.368	ug/l #	86
47) Bromodichloromethane	9.36	83	151495	20.426	ug/l	96
48) Methyl methacrylate	9.09	41	51458	20.855	ug/l	94
49) 1,4-Dioxane	9.05	88	11825	444.514	ug/l #	92
51) 4-Methyl-2-Pentanone	10.27	43	267107	100.994	ug/l	100
52) Toluene	10.49	92	214329	19.549	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	130510	20.964	ug/l	99
54) cis-1,3-Dichloropropene	10.01	75	157351	20.782	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	78058	21.207	ug/l	96
56) Ethyl methacrylate	11.02	69	85696	21.021	ug/l	95
57) 1,3-Dichloropropane	11.38	76	123854	21.786	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.83	63	244862	129.192	ug/l	98
59) 2-Hexanone	11.51	43	186672	94.091	ug/l	99
60) Dibromochloromethane	11.67	129	132428	21.744	ug/l	99
61) 1,2-Dibromoethane	11.79	107	82663	18.932	ug/l	98
64) Tetrachloroethene	11.24	164	107352	20.617	ug/l	94
65) Chlorobenzene	12.38	112	284291	20.611	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	126000	21.536	ug/l	97
67) Ethyl Benzene	12.51	91	474765	21.088	ug/l	99
68) m/p-Xylenes	12.65	106	341053	41.915	ug/l	99
69) o-Xylene	13.04	106	149620	20.097	ug/l	95
70) Styrene	13.06	104	256654	19.965	ug/l	98
71) Bromoform	13.22	173	70625	21.173	ug/l #	99
73) Isopropylbenzene	13.39	105	430629	16.998	ug/l	98
74) N-amyl acetate	13.25	43	113277	17.362	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	82954	16.709	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	86518	17.940	ug/l	98
77) Bromobenzene	13.66	156	125400	17.255	ug/l	98
78) n-propylbenzene	13.76	91	565457	19.497	ug/l	96
79) 2-Chlorotoluene	13.82	91	321666	18.311	ug/l	96
80) 1,3,5-Trimethylbenzene	13.92	105	383783	18.999	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	25901	17.723	ug/l	96
82) 4-Chlorotoluene	13.93	91	371103	19.183	ug/l	92
83) tert-Butylbenzene	14.18	119	449234	19.197	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	369585	19.161	ug/l	100
85) sec-Butylbenzene	14.36	105	489759	19.370	ug/l	98
86) p-Isopropyltoluene	14.48	119	442177	19.540	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	220613	17.334	ug/l	96
88) 1,4-Dichlorobenzene	14.52	146	232239	19.513	ug/l	97
89) n-Butylbenzene	14.79	91	346729	17.067	ug/l	97
90) Hexachloroethane	15.00	117	111458	18.215	ug/l	95
91) 1,2-Dichlorobenzene	14.80	146	185599	17.679	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	11721	17.774	ug/l	95

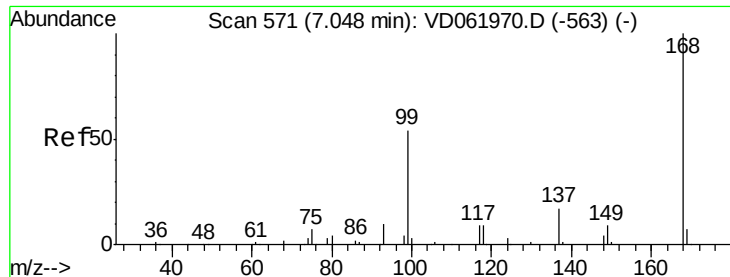
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042919\
Data File : VD062063.D
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Sample : VD0429SBSD01
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Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Apr 29 15:53:09 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.93	180	105670	18.655	ug/l	98
94) Hexachlorobutadiene	16.03	225	77877	18.578	ug/l	95
95) Naphthalene	16.11	128	166638	18.220	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	58024	18.054	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

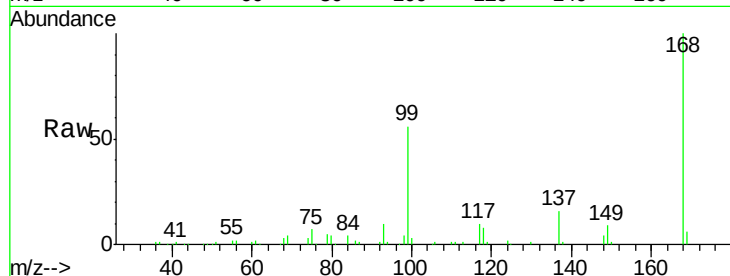
VD0429SBSD01

Tot Ion:168 Resp: 550332

Ion Ratio Lower Upper

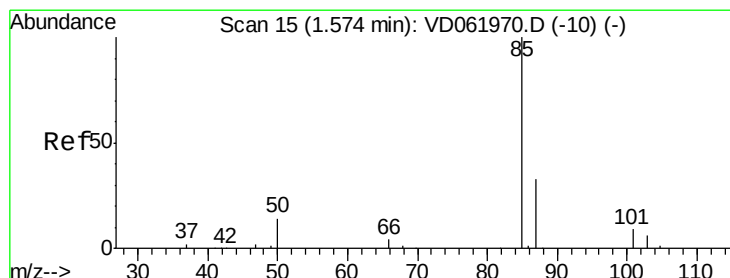
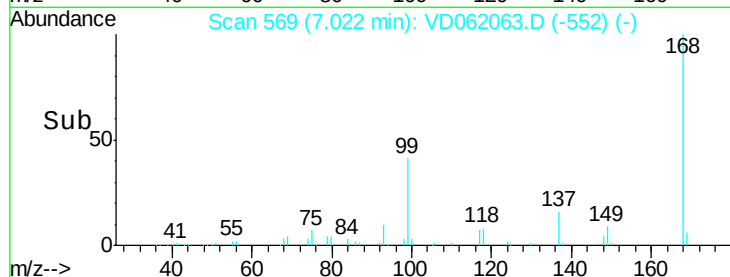
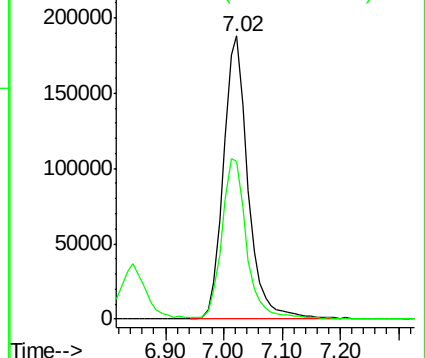
168 100

99 55.9 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: 17.697 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.02 min

Lab File: VD062063.D

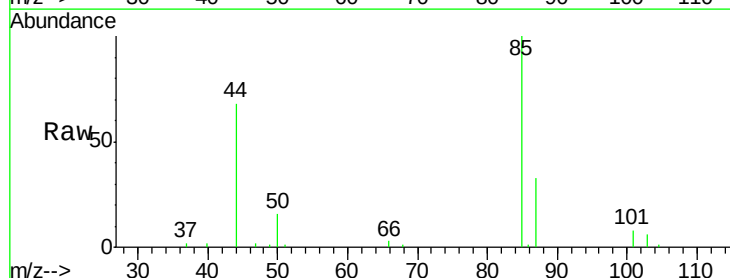
Acq: 29 Apr 2019 15:27

Tgt Ion: 85 Resp: 86965

Ion Ratio Lower Upper

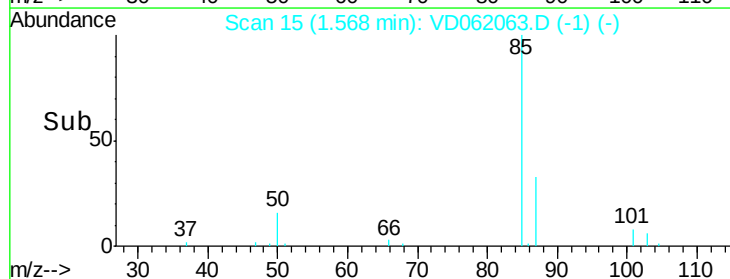
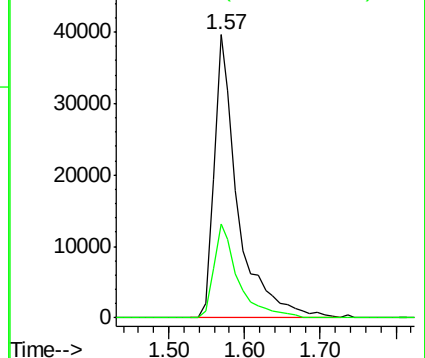
85 100

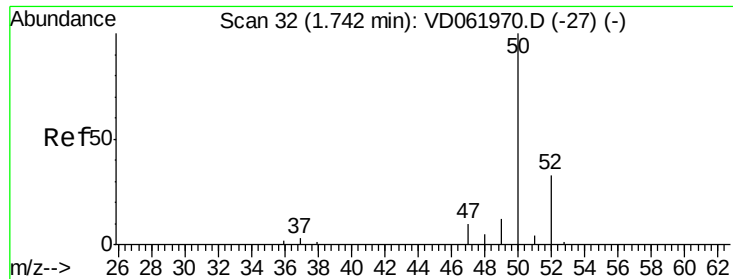
87 33.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

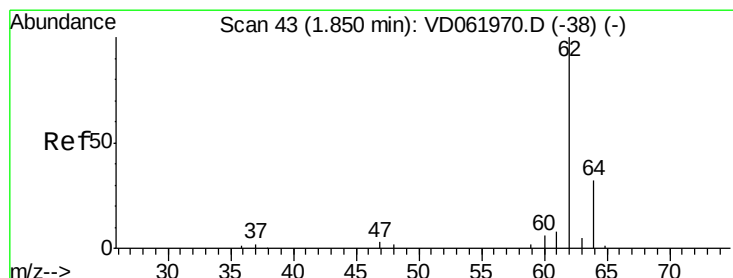
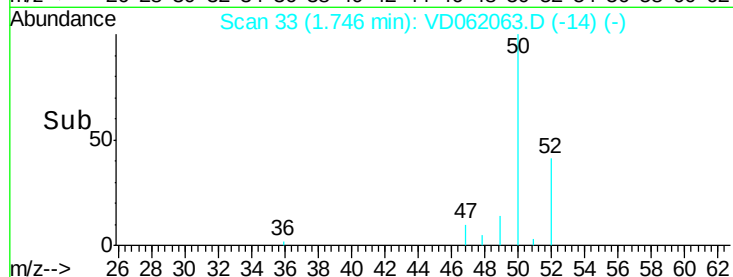
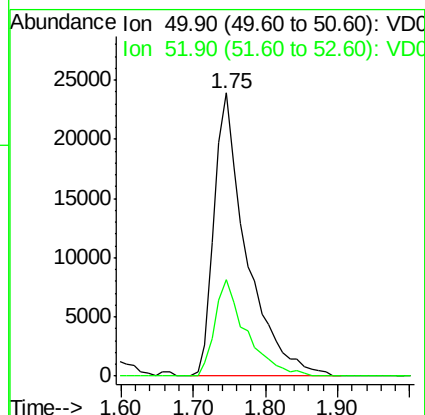
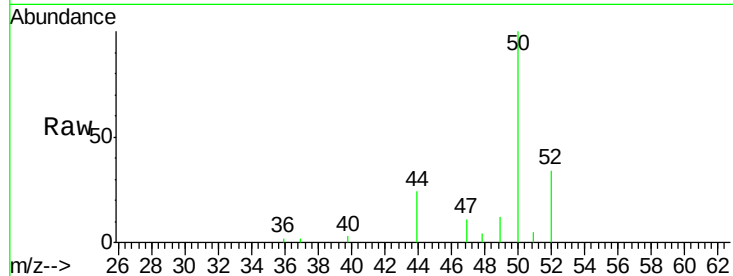




#3
Chloromethane
Concen: 17.753 ug/l
RT: 1.75 min Scan# 33
Delta R.T. -0.01 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

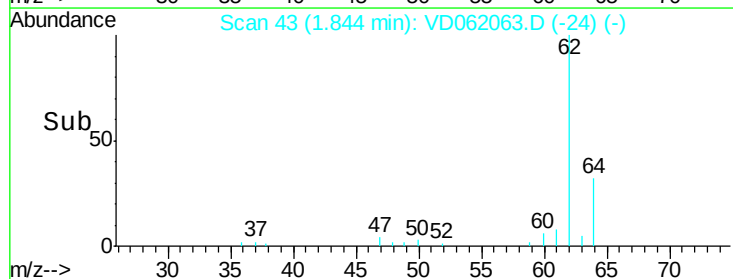
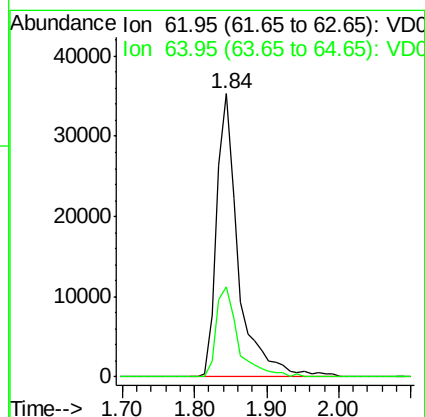
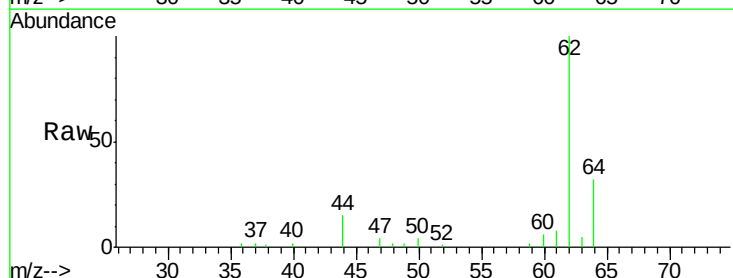
Instrument :
MSVOA_D
ClientSampleId :
VD0429SBSD01

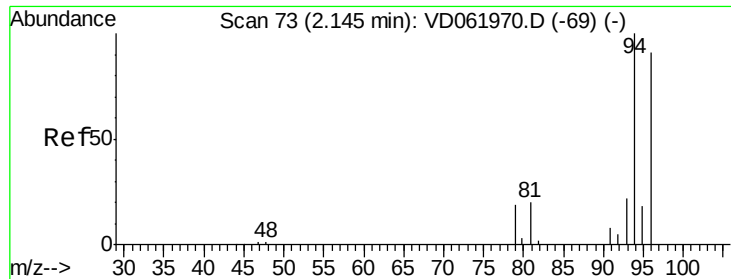
Tot Ion: 50 Resp: 74145
Ion Ratio Lower Upper
50 100
52 34.0 25.2 37.8



#4
Vinyl Chloride
Concen: 19.237 ug/l
RT: 1.84 min Scan# 43
Delta R.T. -0.01 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion: 62 Resp: 72824
Ion Ratio Lower Upper
62 100
64 31.7 26.5 39.7





#5

Bromomethane

Concen: 17.999 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBSD01

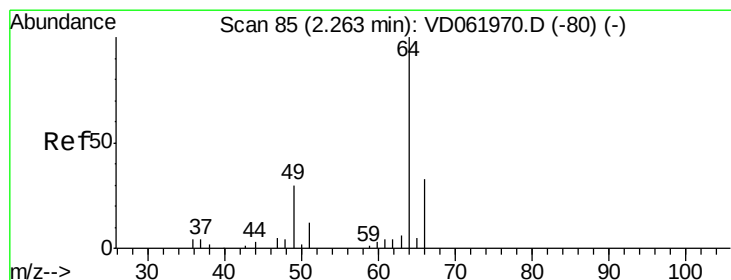
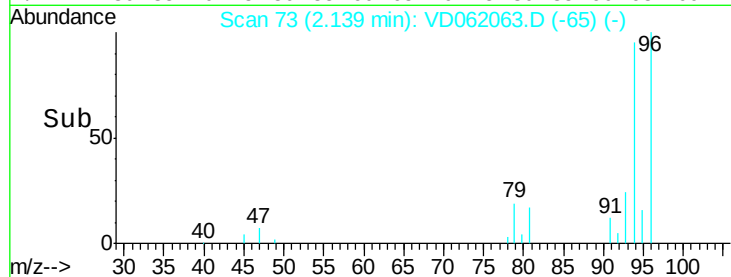
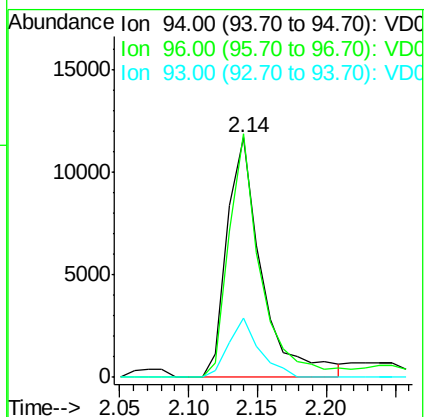
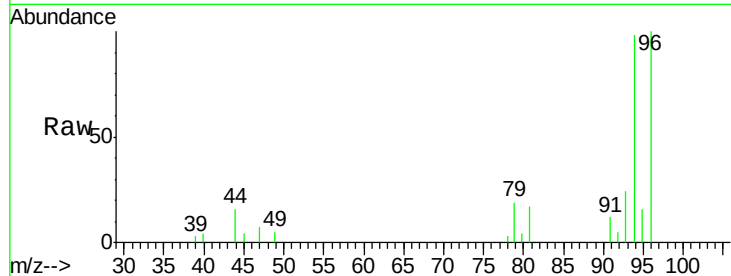
Tot Ion: 94 Resp: 20568

Ion Ratio Lower Upper

94 100

96 101.8 76.6 115.0

93 24.8 18.5 27.7



#6

Chloroethane

Concen: 18.449 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.03 min

Lab File: VD062063.D

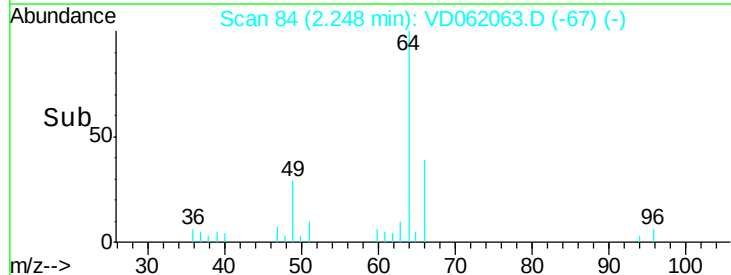
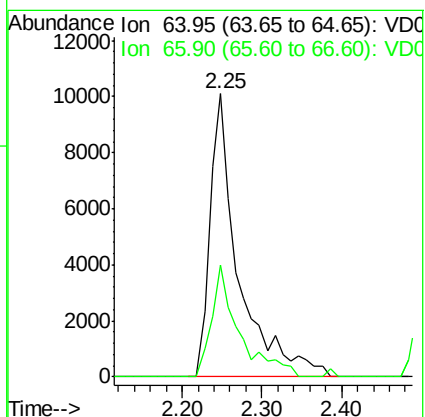
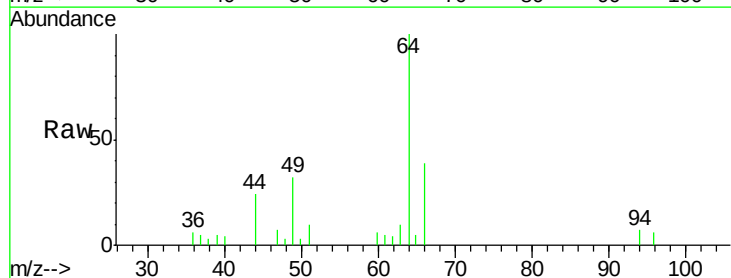
Acq: 29 Apr 2019 15:27

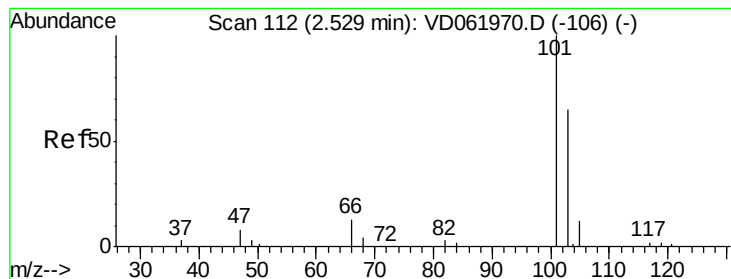
Tgt Ion: 64 Resp: 25245

Ion Ratio Lower Upper

64 100

66 39.3 25.6 38.4#



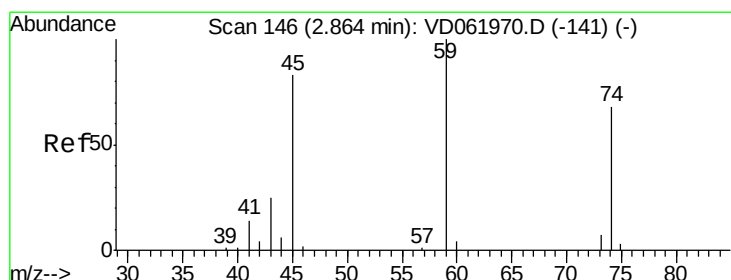
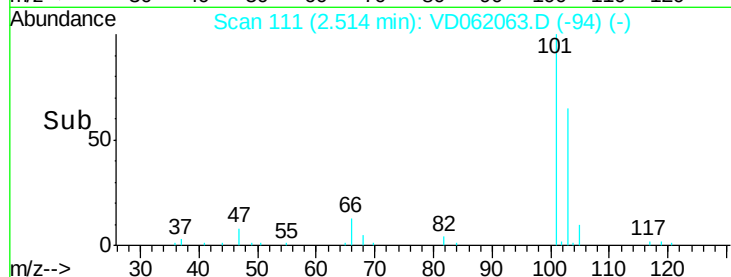
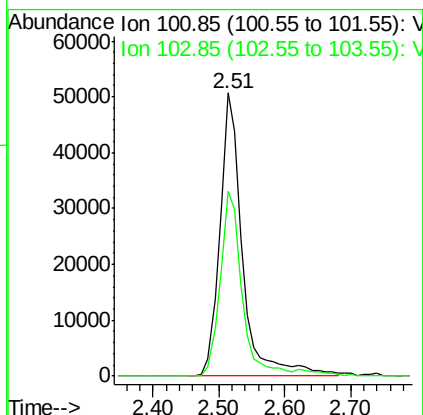
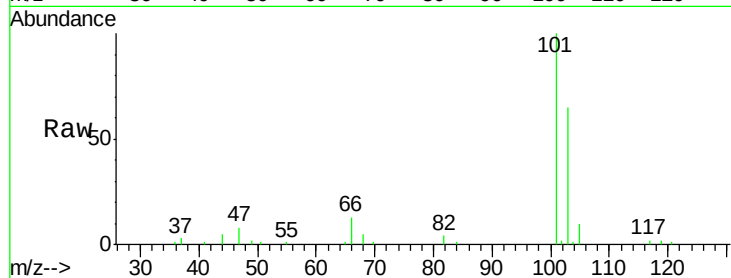


#7

Trichlorofluoromethane
 Concen: 21.219 ug/l
 RT: 2.51 min Scan# 111
 Delta R.T. -0.03 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBSD01

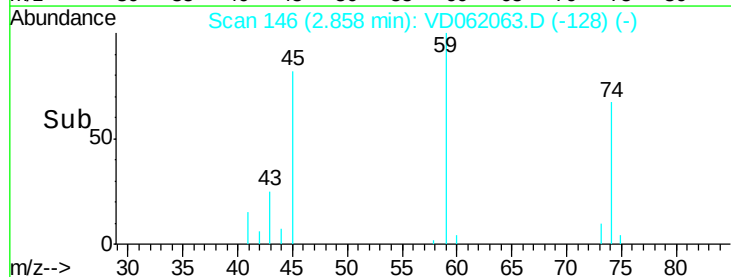
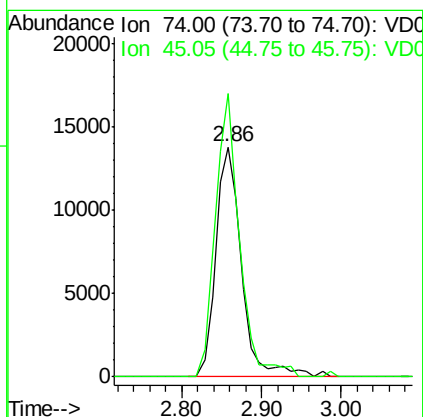
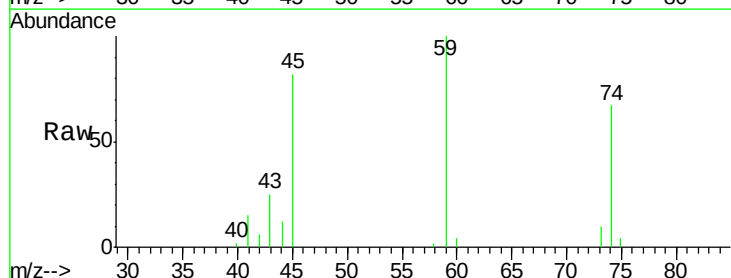
Tot Ion:101 Resp: 121449
 Ion Ratio Lower Upper
 101 100
 103 65.4 53.6 80.4

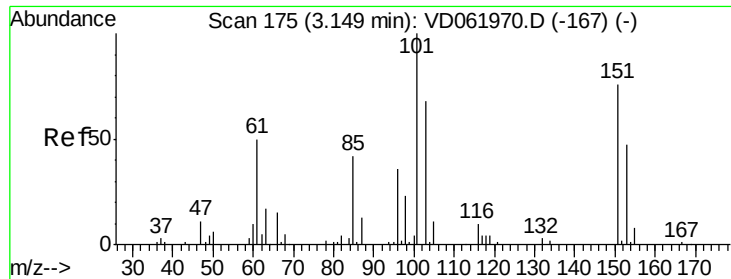


#8

Diethyl Ether
 Concen: 20.402 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Tgt Ion: 74 Resp: 31297
 Ion Ratio Lower Upper
 74 100
 45 123.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.249 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.03 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBSD01

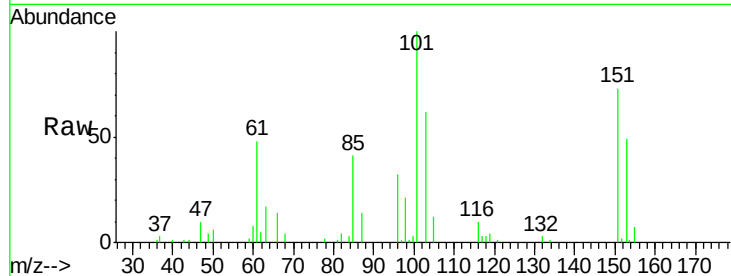
Tot Ion:101 Resp: 112038

Ion Ratio Lower Upper

101 100

85 41.1 32.4 48.6

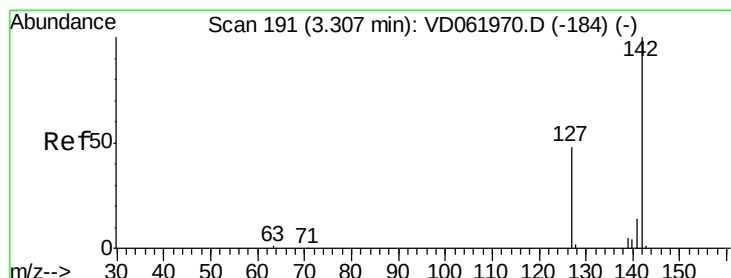
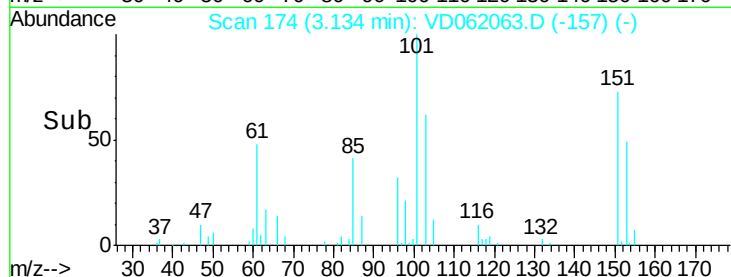
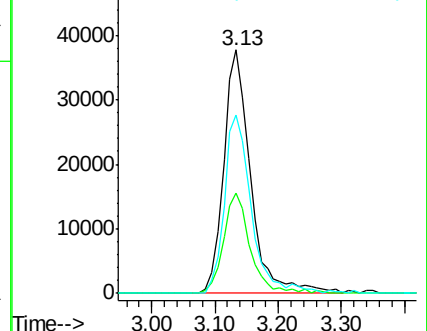
151 73.1 59.4 89.0



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: 18.458 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.03 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

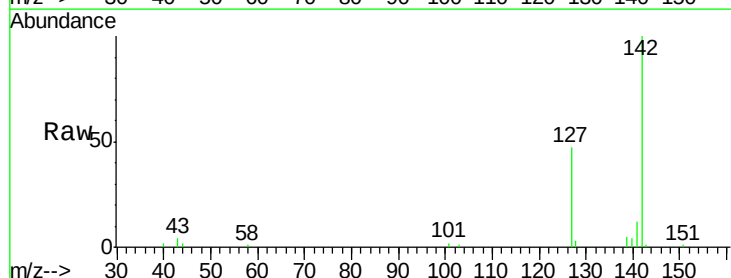
Tgt Ion:142 Resp: 117410

Ion Ratio Lower Upper

142 100

127 47.1 38.8 58.2

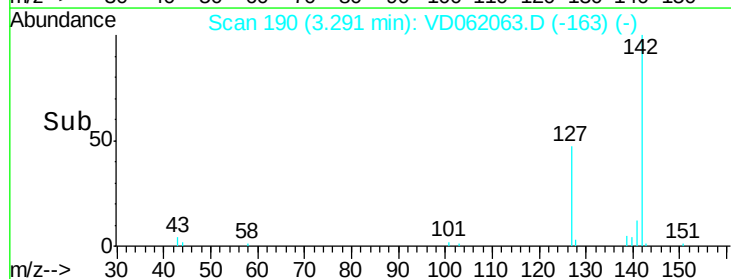
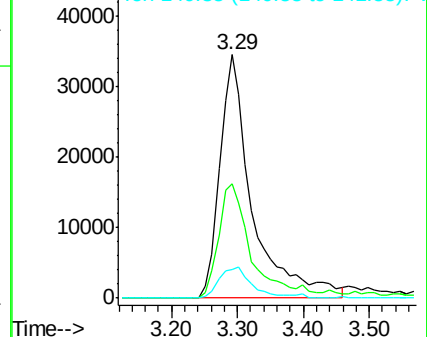
141 12.0 11.4 17.0

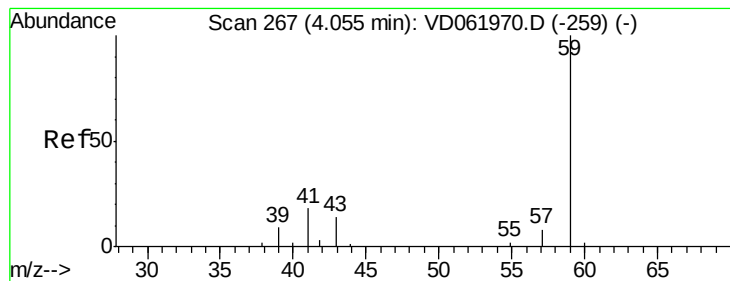


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



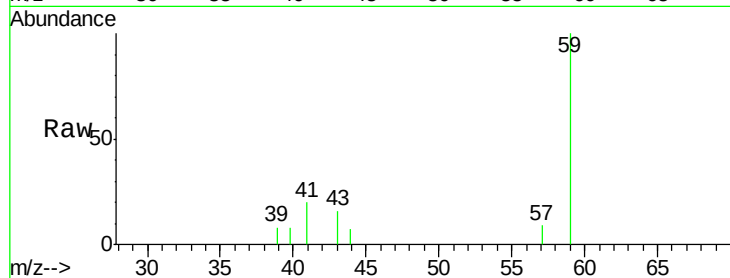


#11

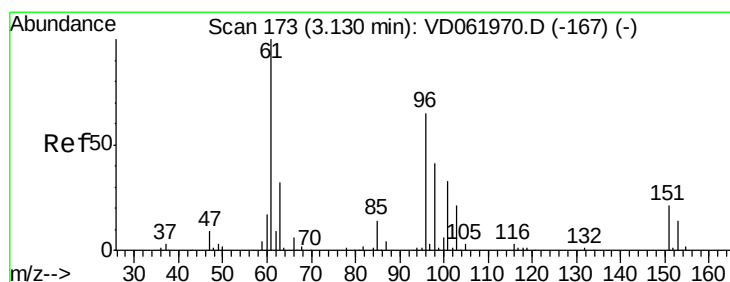
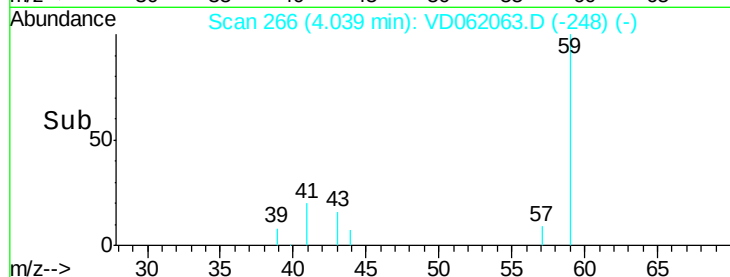
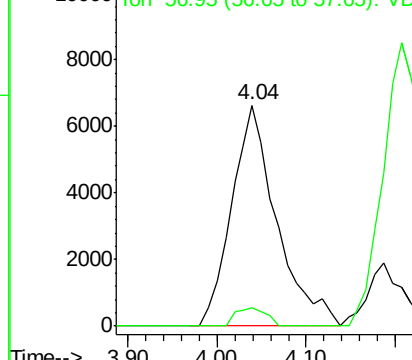
Tert butyl alcohol
 Concen: 95.127 ug/l
 RT: 4.04 min Scan# 266
 Delta R.T. -0.02 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBSD01

Tot Ion: 59 Resp: 23150
 Ion Ratio Lower Upper
 59 100
 57 8.5 6.9 10.3



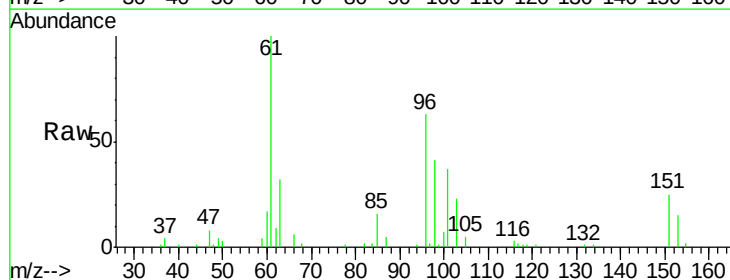
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



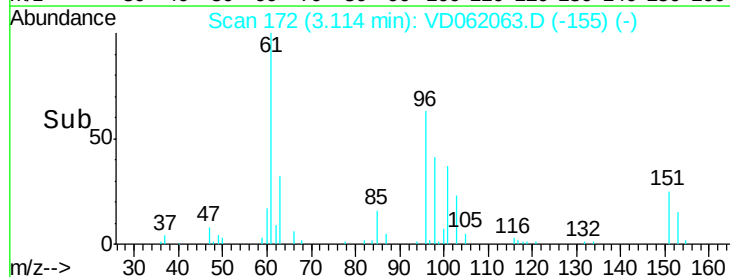
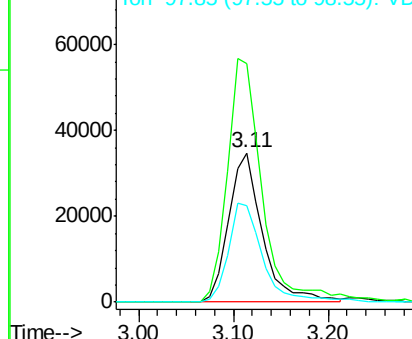
#12

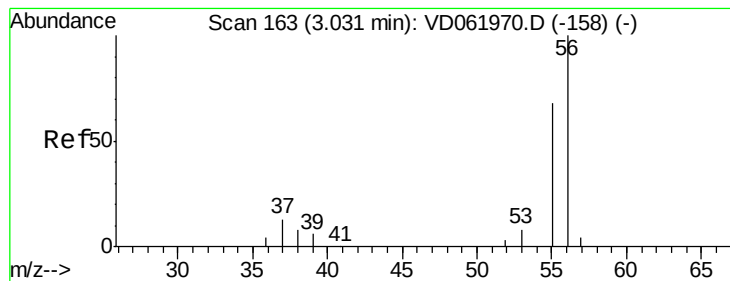
1,1-Dichloroethene
 Concen: 19.180 ug/l
 RT: 3.11 min Scan# 172
 Delta R.T. -0.03 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Tgt Ion: 96 Resp: 86036
 Ion Ratio Lower Upper
 96 100
 61 159.5 129.8 194.8
 98 64.9 51.2 76.8



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





#13

Acrolein

Concen: 84.689 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

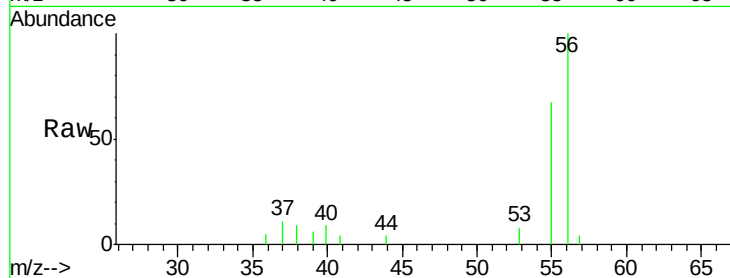
VD0429SBSD01

Tot Ion: 56 Resp: 21384

Ion Ratio Lower Upper

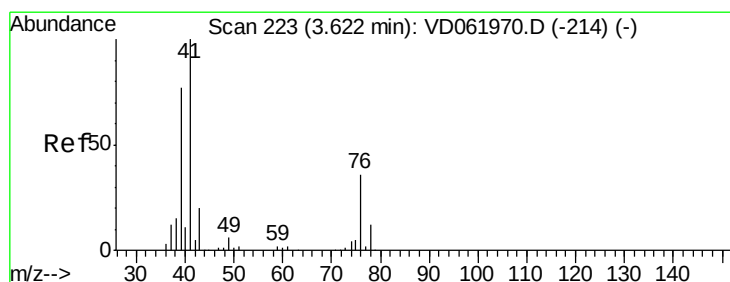
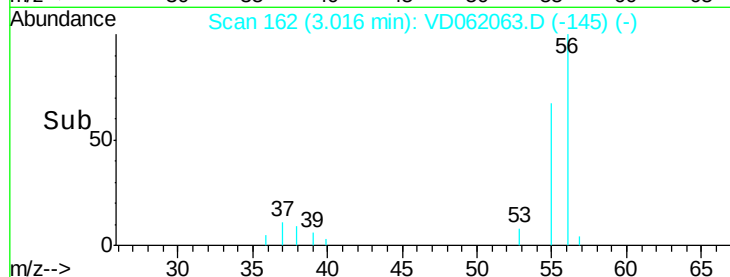
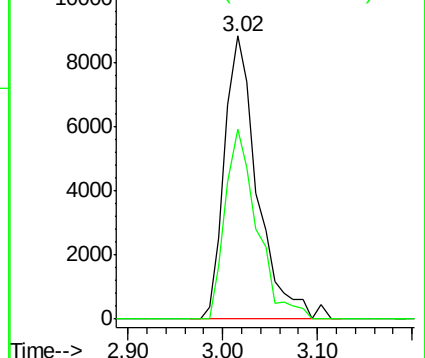
56 100

55 67.1 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: 18.897 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.04 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

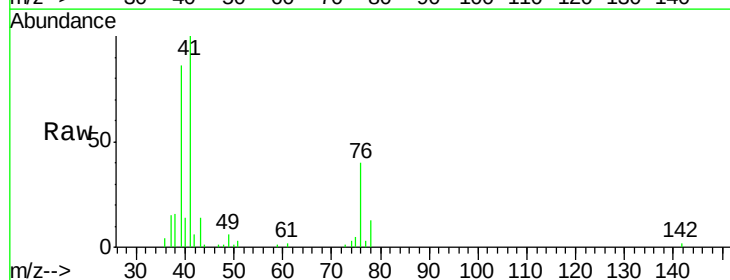
Tgt Ion: 41 Resp: 115749

Ion Ratio Lower Upper

41 100

39 85.6 60.5 90.7

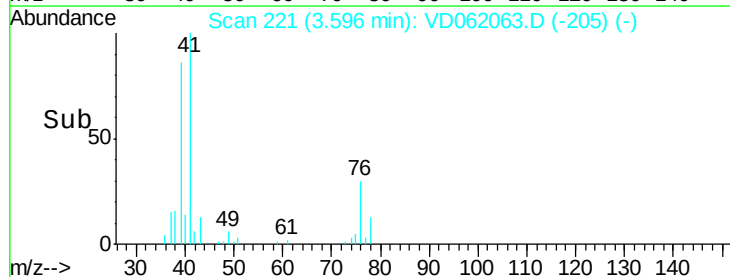
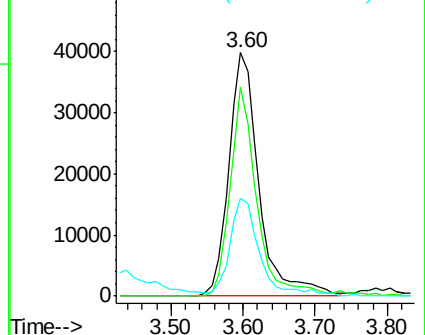
76 40.3 31.8 47.8

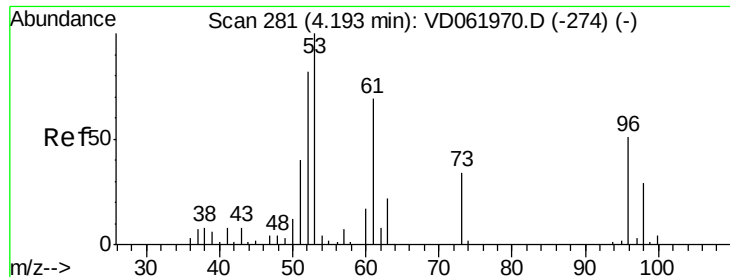


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 93.828 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.04 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

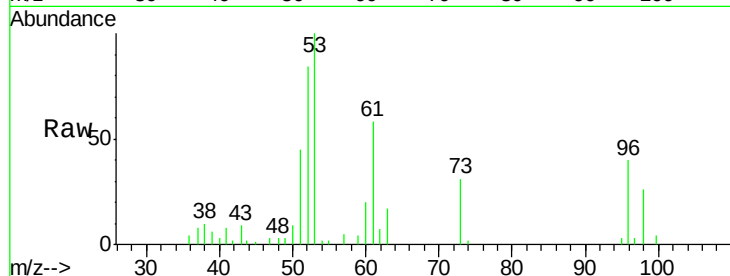
Tot Ion: 53 Resp: 70706

Ion Ratio Lower Upper

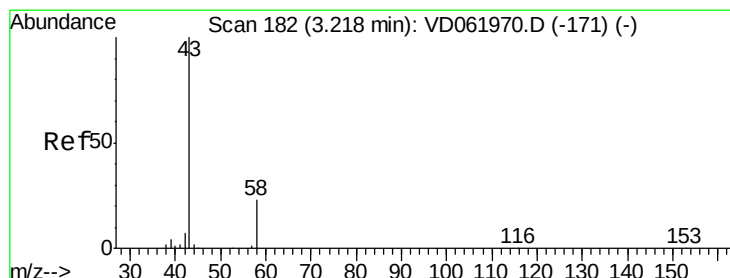
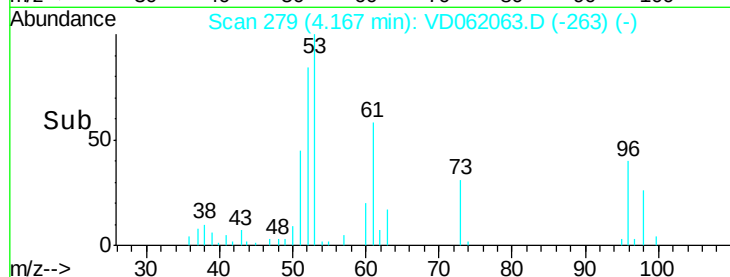
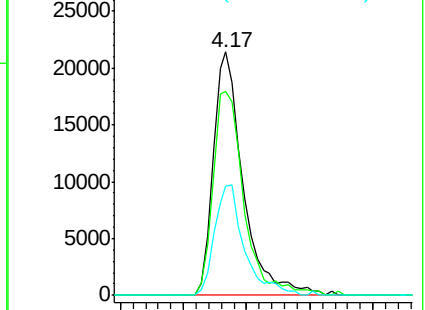
53 100

52 83.8 65.0 97.4

51 44.9 32.6 48.8



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



#16

Acetone

Concen: 94.782 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062063.D

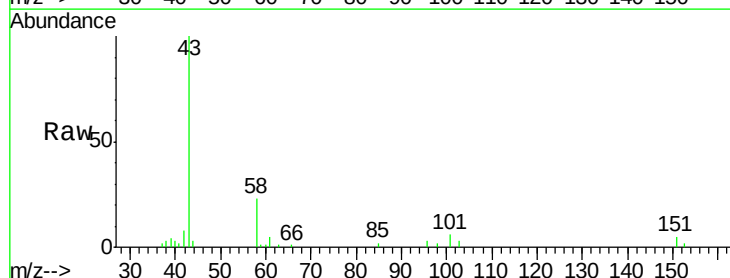
Acq: 29 Apr 2019 15:27

Tgt Ion: 43 Resp: 97477

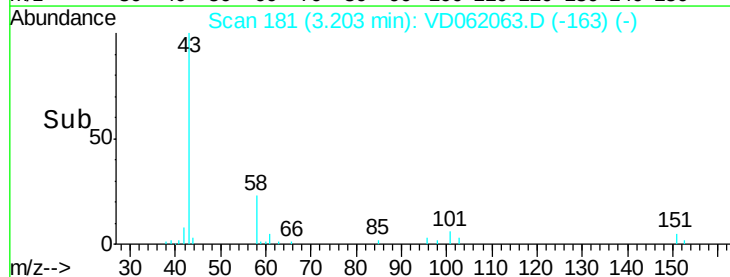
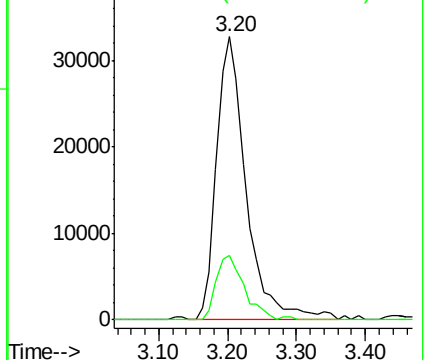
Ion Ratio Lower Upper

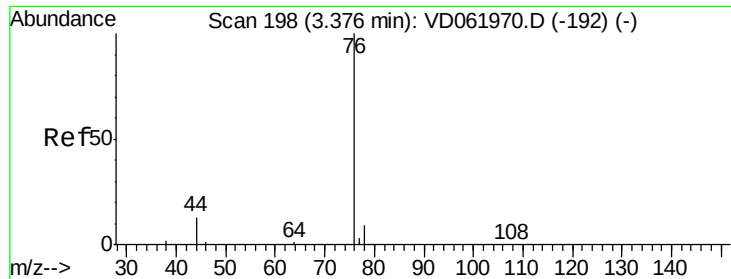
43 100

58 22.9 19.9 29.9



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

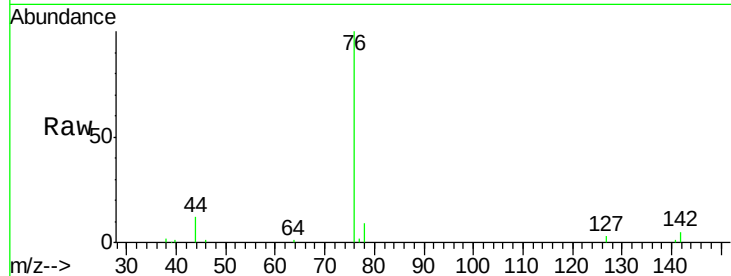




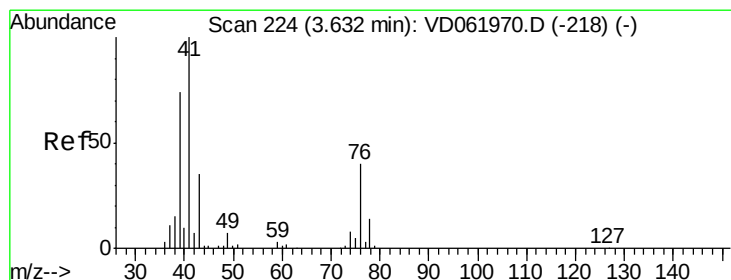
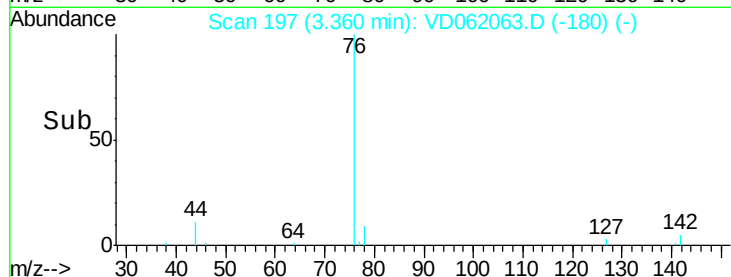
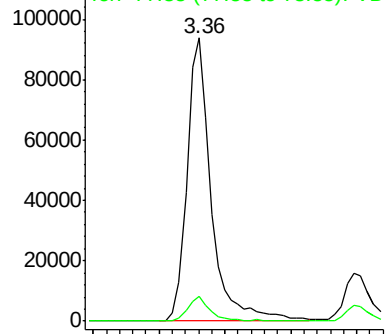
#17
Carbon Disulfide
Concen: 18.419 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.03 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD0429SBSD01

Tot Ion: 76 Resp: 238758
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

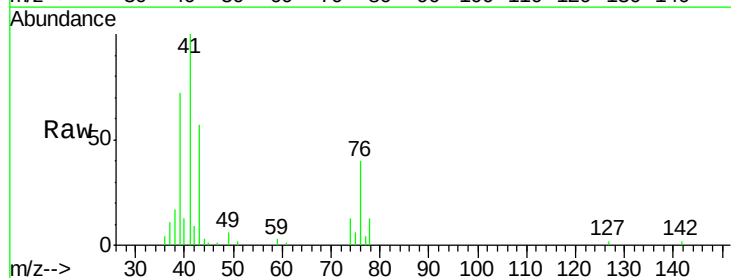


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

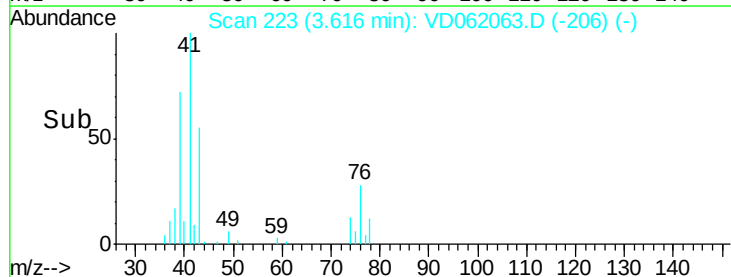
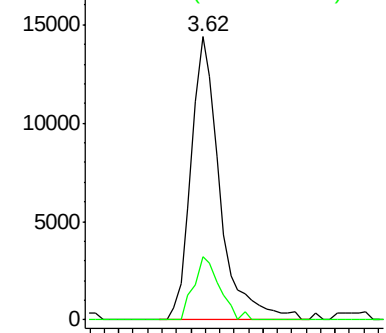


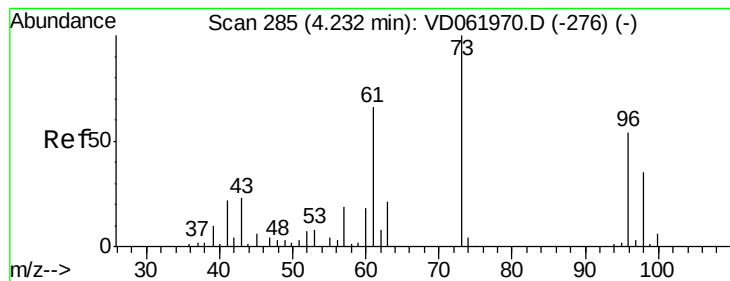
#18
Methyl Acetate
Concen: 20.080 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.03 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion: 43 Resp: 39866
Ion Ratio Lower Upper
43 100
74 22.2 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



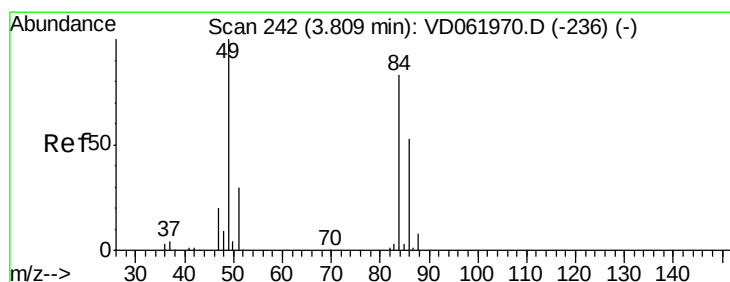
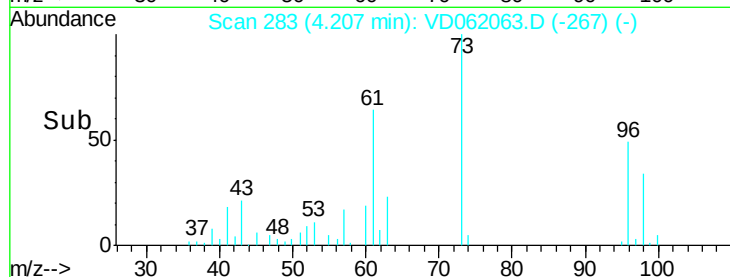
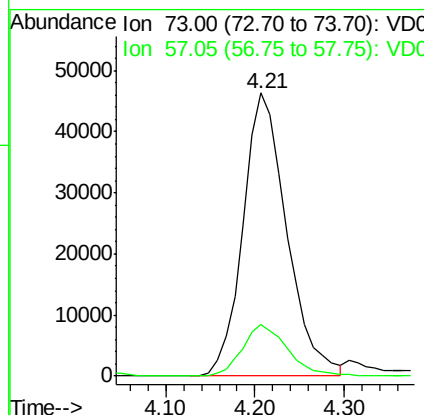
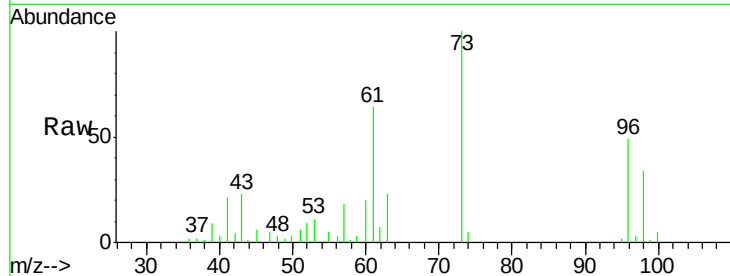


#19

Methyl tert-butyl Ether
 Concen: 17.682 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. -0.04 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0429SBS01

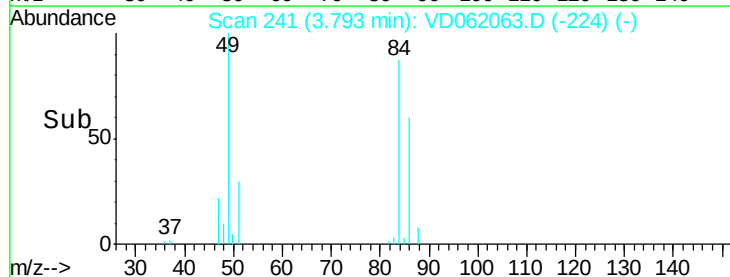
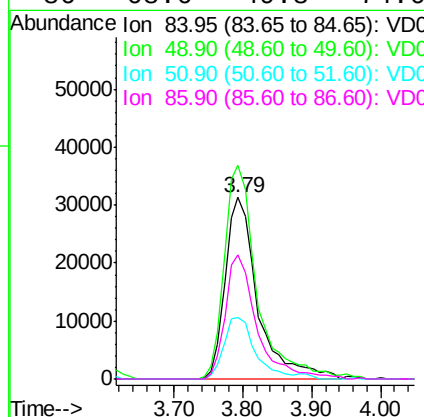
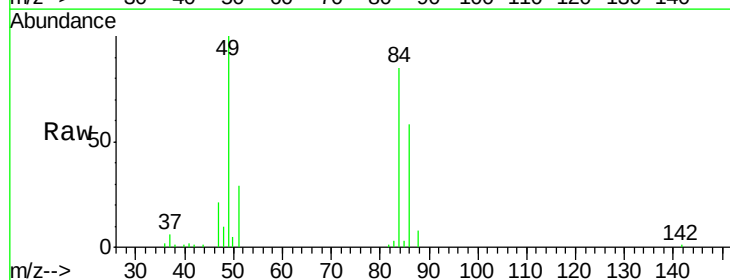
Tot Ion: 73 Resp: 157374
 Ion Ratio Lower Upper
 73 100
 57 18.3 16.3 24.5

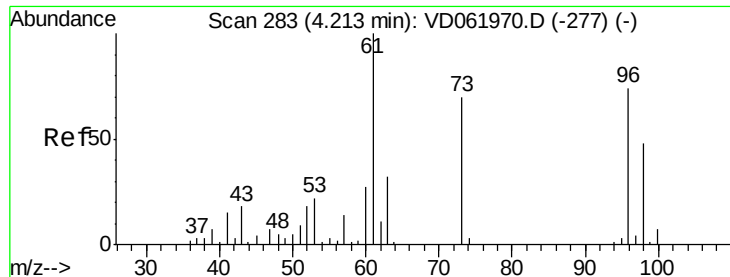


#20

Methylene Chloride
 Concen: 18.508 ug/l
 RT: 3.79 min Scan# 241
 Delta R.T. -0.03 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Tgt Ion: 84 Resp: 102719
 Ion Ratio Lower Upper
 84 100
 49 117.8 94.0 141.0
 51 34.2 29.0 43.4
 86 68.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.493 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBSD01

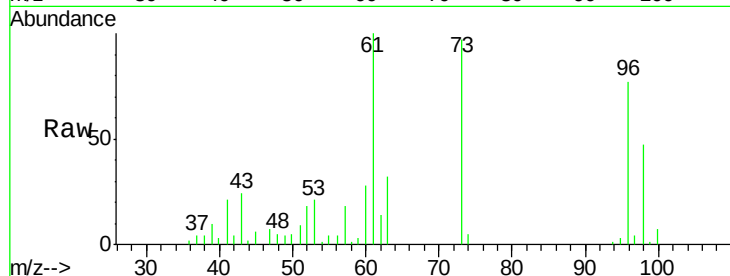
Tot Ion: 96 Resp: 90019

Ion Ratio Lower Upper

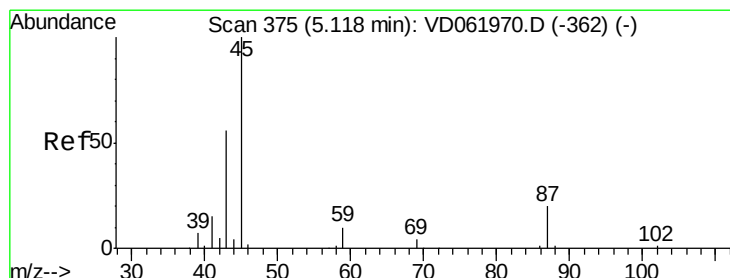
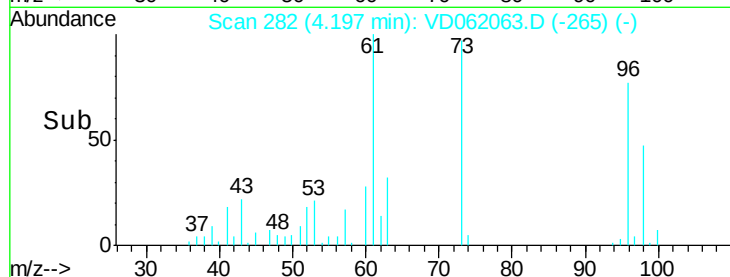
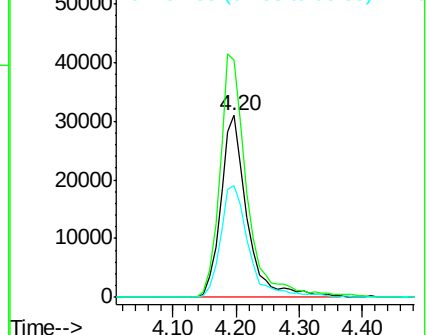
96 100

61 130.6 104.4 156.6

98 61.4 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: 20.111 ug/l

RT: 5.08 min Scan# 372

Delta R.T. -0.04 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Tgt Ion: 45 Resp: 287608

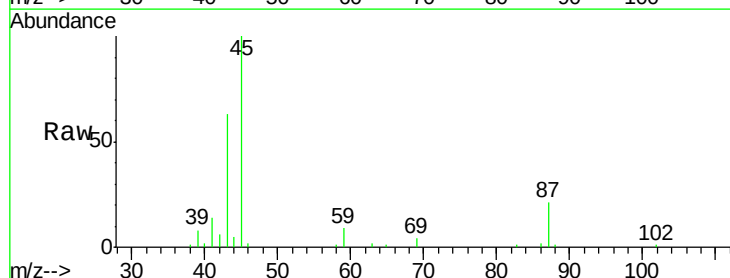
Ion Ratio Lower Upper

45 100

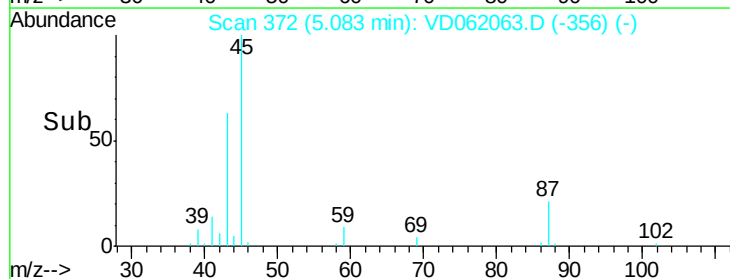
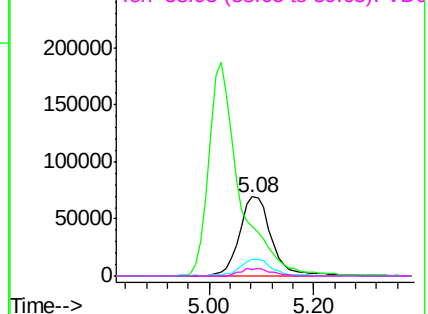
43 63.0 46.2 69.2

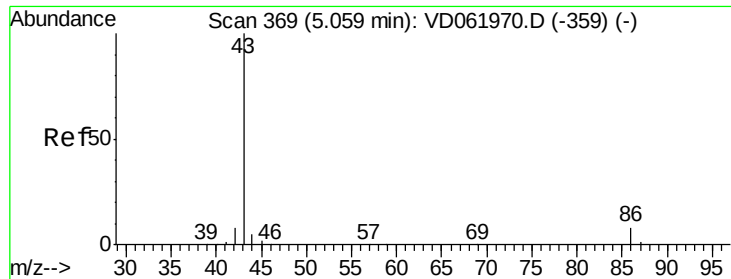
87 21.3 15.9 23.9

59 8.9 7.9 11.9



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





#23

Vinyl Acetate

Concen: 101.855 ug/l

RT: 5.02 min Scan# 366

Delta R.T. -0.04 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

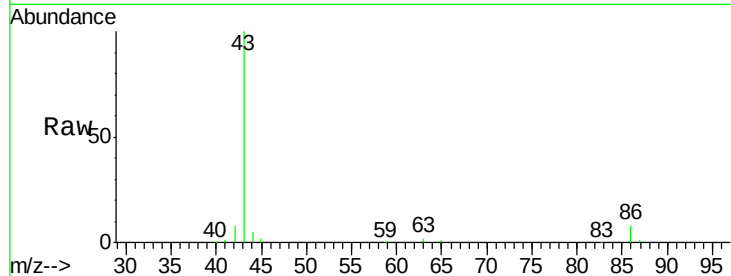
VD0429SBSD01

Tot Ion: 43 Resp: 758566

Ion Ratio Lower Upper

43 100

86 8.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

200000

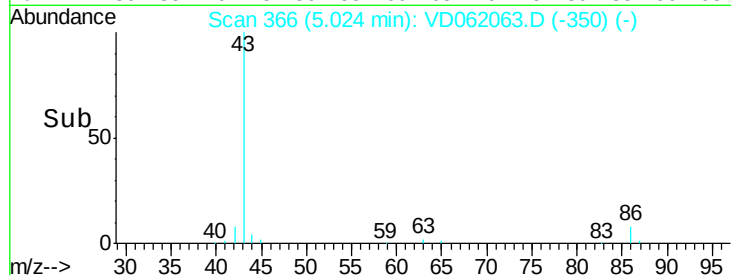
150000

100000

50000

0

Time-->



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

200000

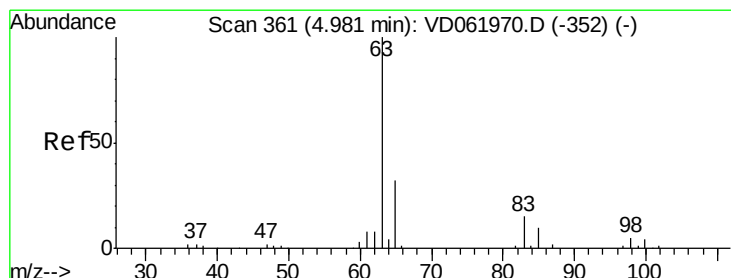
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.188 ug/l

RT: 4.95 min Scan# 359

Delta R.T. -0.04 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

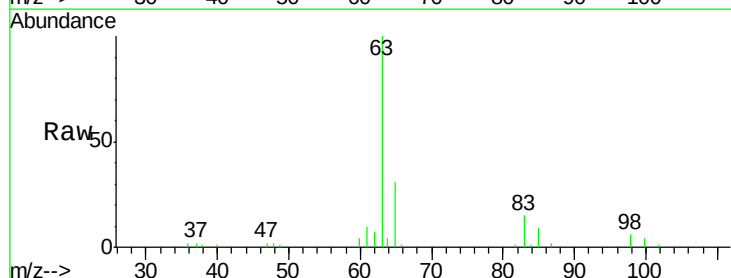
Tgt Ion: 63 Resp: 174499

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.5 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

60000

50000

40000

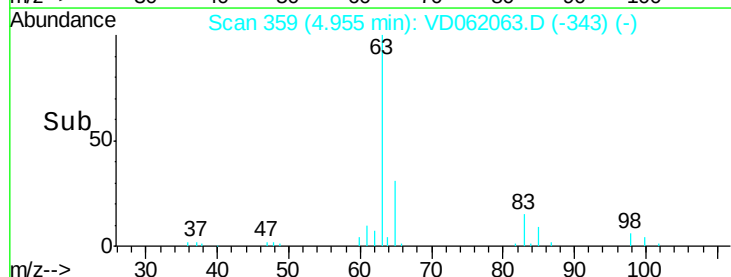
30000

20000

10000

0

Time-->



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

60000

50000

40000

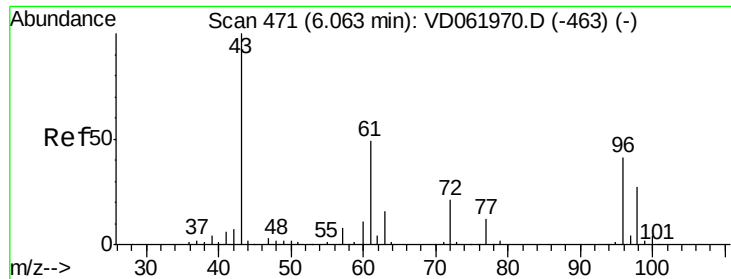
30000

20000

10000

0

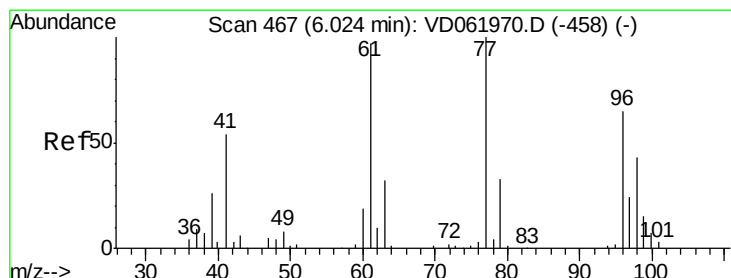
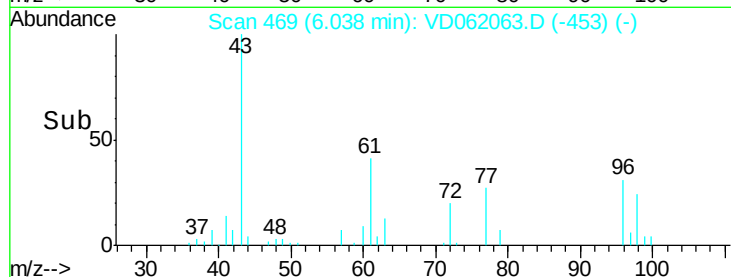
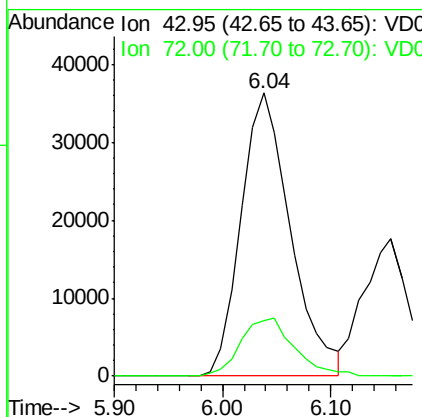
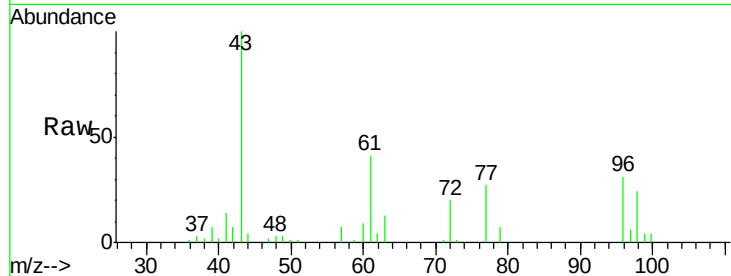
Time-->



#25
2-Butanone
Concen: 92.931 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.04 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

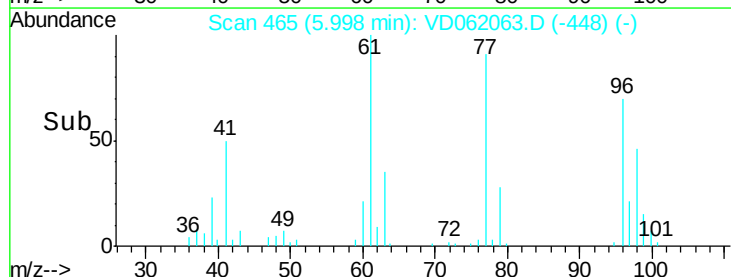
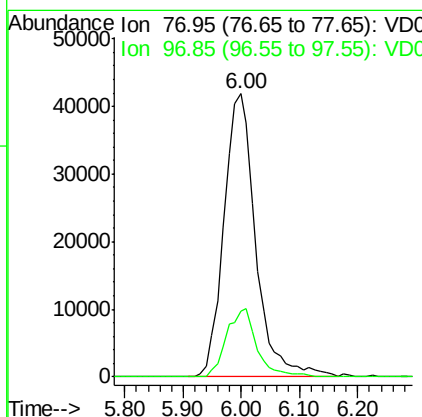
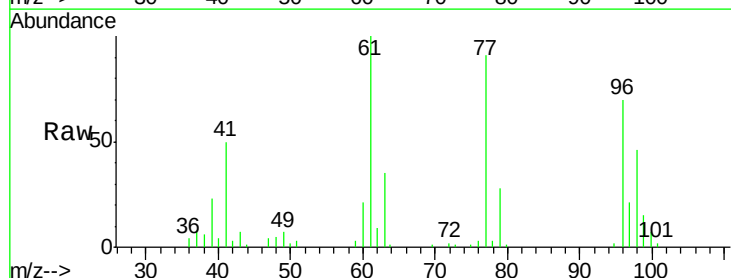
Instrument :
MSVOA_D
ClientSampleId :
VD0429SBSD01

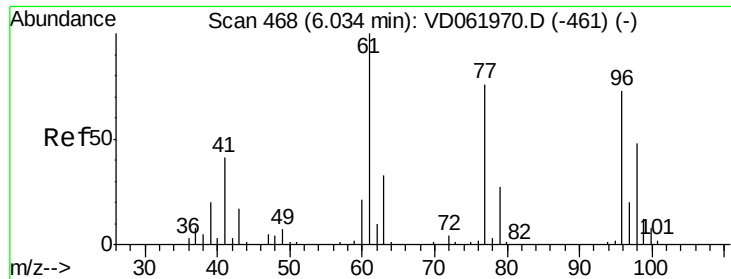
Tot Ion: 43 Resp: 115875
Ion Ratio Lower Upper
43 100
72 19.7 16.2 24.4



#26
2,2-Dichloropropane
Concen: 20.996 ug/l
RT: 6.00 min Scan# 465
Delta R.T. -0.03 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion: 77 Resp: 158321
Ion Ratio Lower Upper
77 100
97 23.4 11.9 35.9



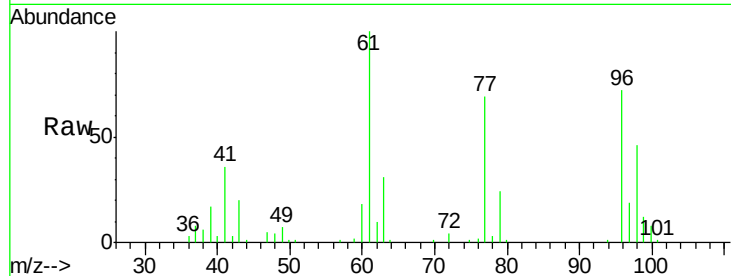


#27

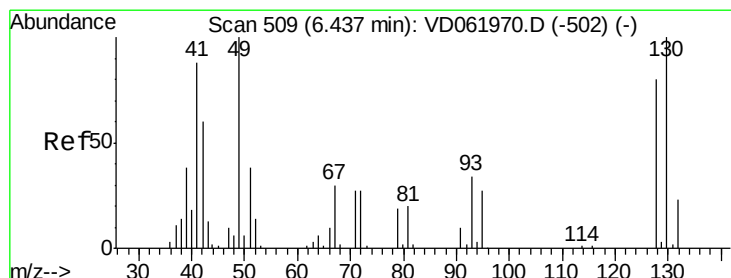
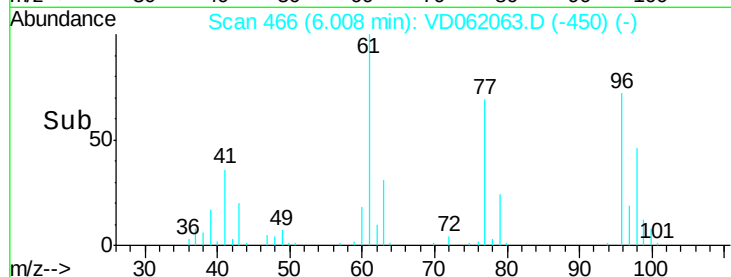
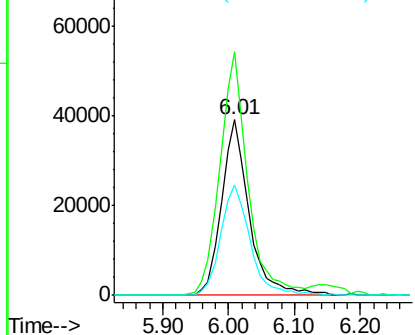
cis-1,2-Dichloroethene
 Concen: 19.530 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.04 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBSD01

Tot Ion: 96 Resp: 114334
 Ion Ratio Lower Upper
 96 100
 61 138.7 0.0 279.8
 98 63.3 0.0 136.0



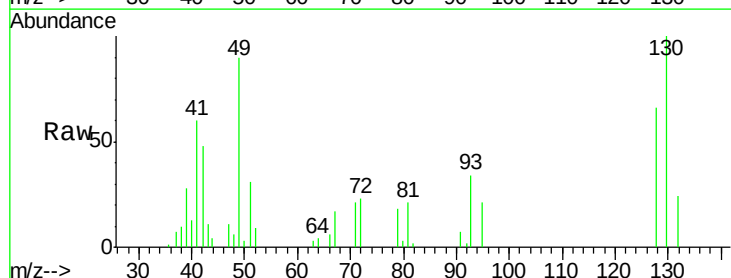
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



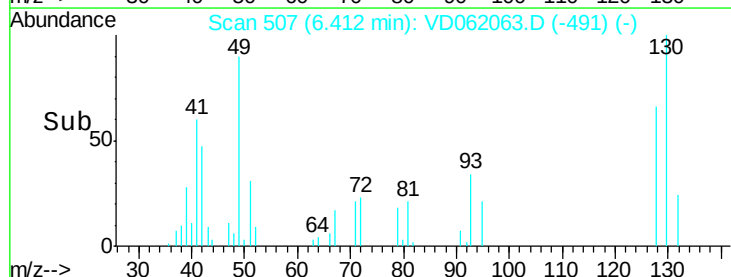
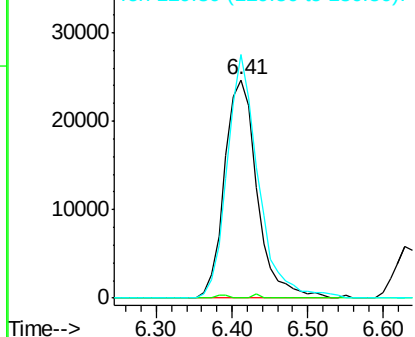
#28

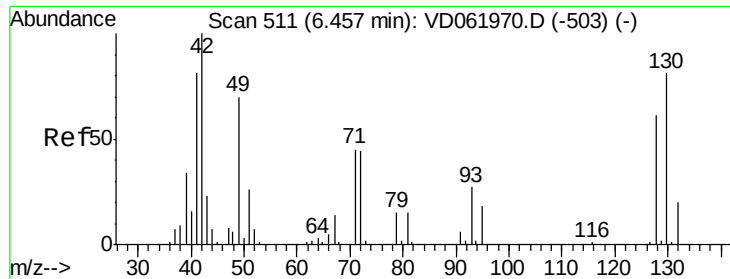
Bromochloromethane
 Concen: 22.247 ug/l
 RT: 6.41 min Scan# 507
 Delta R.T. -0.04 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Tgt Ion: 49 Resp: 73577
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.6
 130 111.5 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: 93.957 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

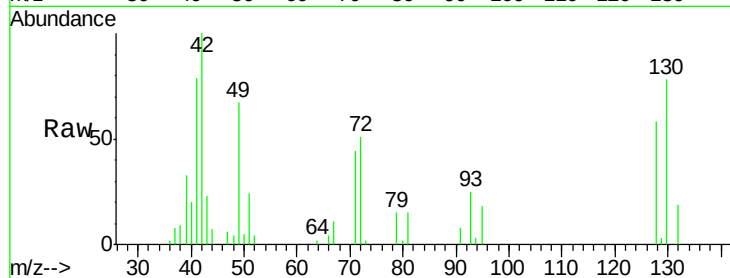
Tot Ion: 42 Resp: 57725

Ion Ratio Lower Upper

42 100

72 47.3 37.8 56.6

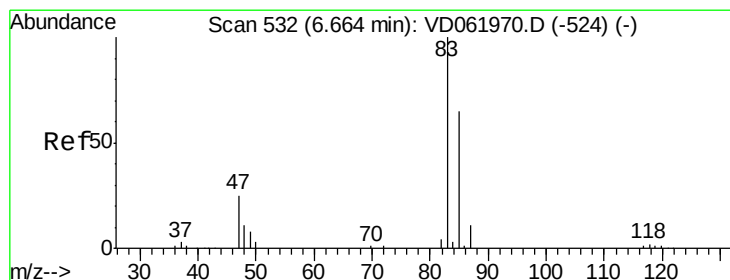
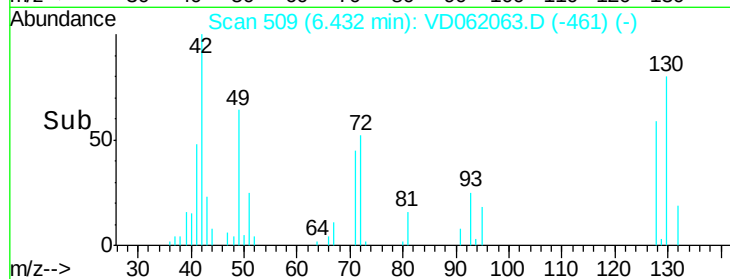
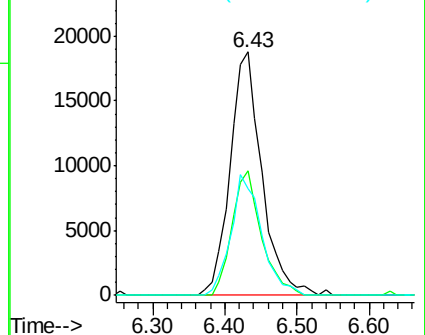
71 47.8 36.7 55.1



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: 20.395 ug/l

RT: 6.64 min Scan# 530

Delta R.T. -0.04 min

Lab File: VD062063.D

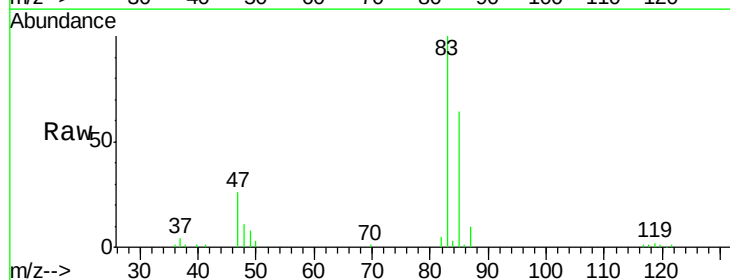
Acq: 29 Apr 2019 15:27

Tgt Ion: 83 Resp: 200230

Ion Ratio Lower Upper

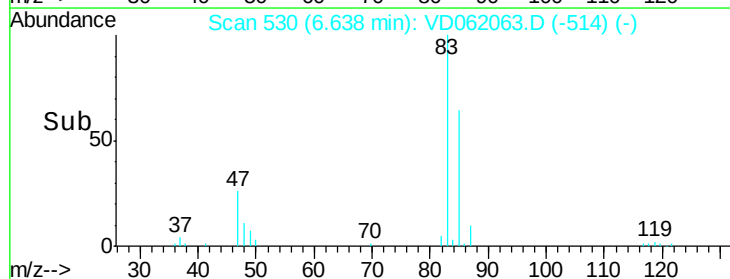
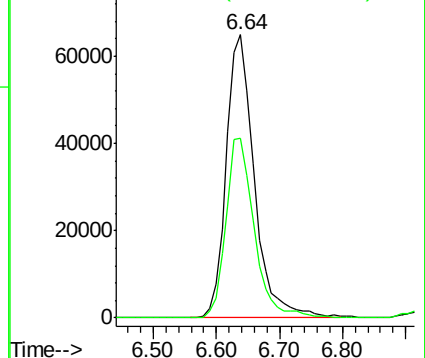
83 100

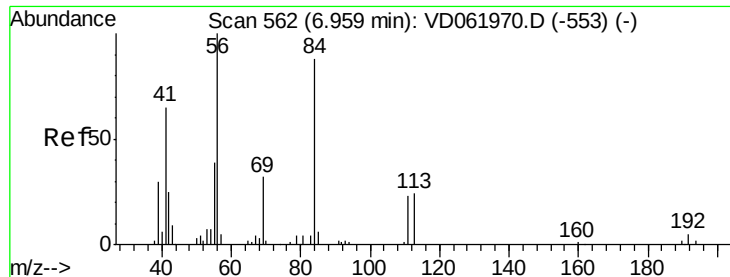
85 63.7 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

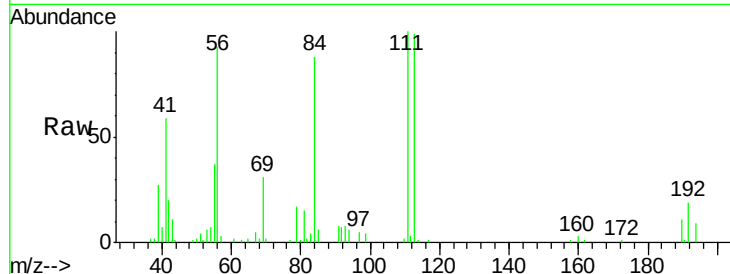




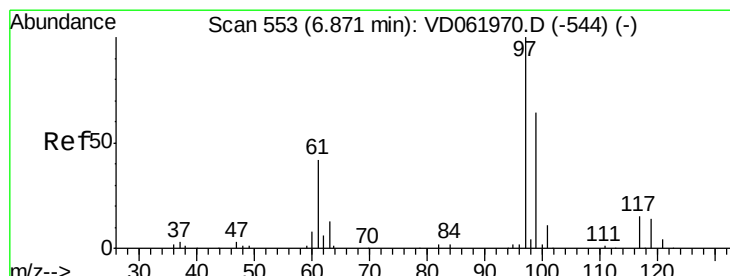
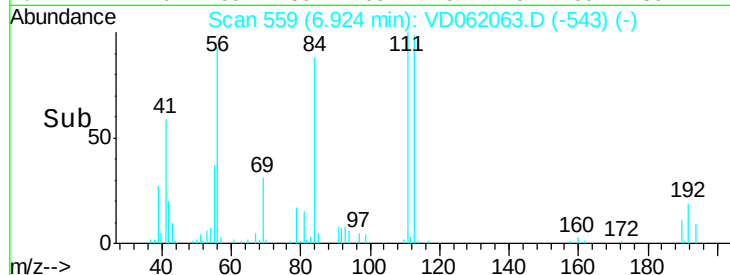
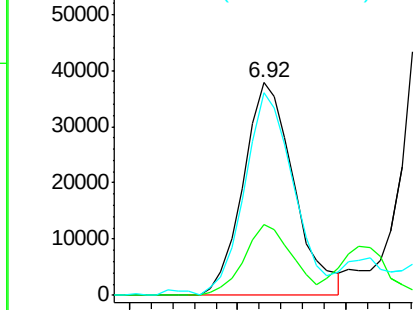
#31
Cyclohexane
Concen: 19.219 ug/l
RT: 6.92 min Scan# 559
Delta R.T. -0.04 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD0429SBS01

Tot Ion: 56 Resp: 123303
Ion Ratio Lower Upper
56 100
69 33.2 25.8 38.6
84 95.2 72.2 108.4

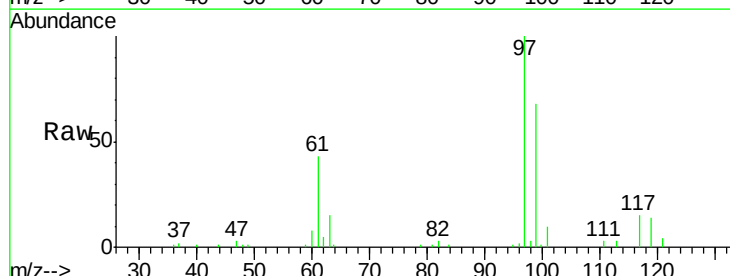


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

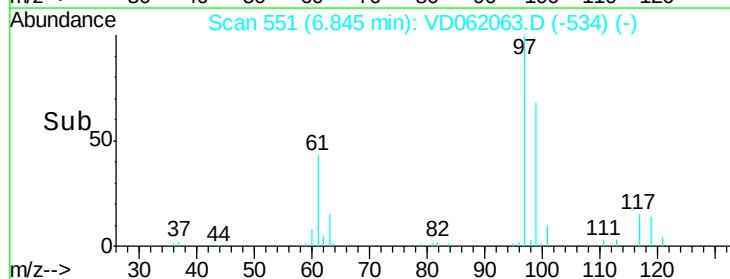
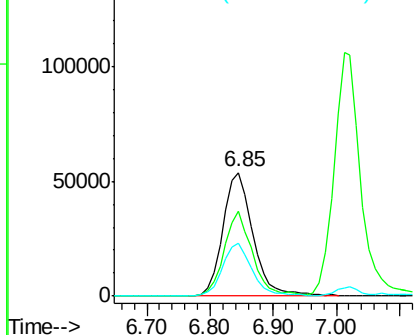


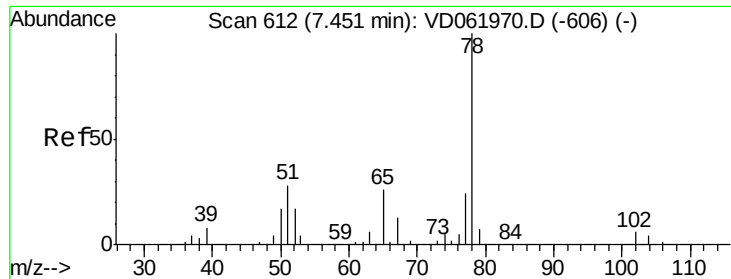
#32
1,1,1-Trichloroethane
Concen: 20.859 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.03 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion: 97 Resp: 178182
Ion Ratio Lower Upper
97 100
99 68.4 52.2 78.2
61 42.6 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

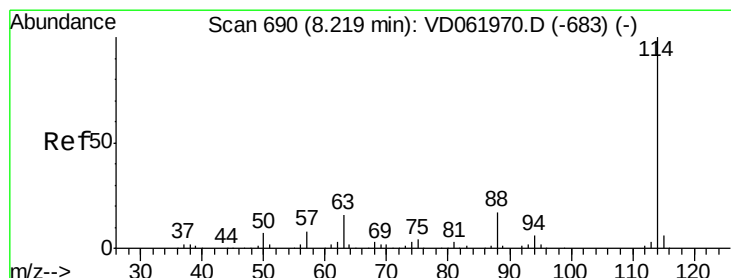
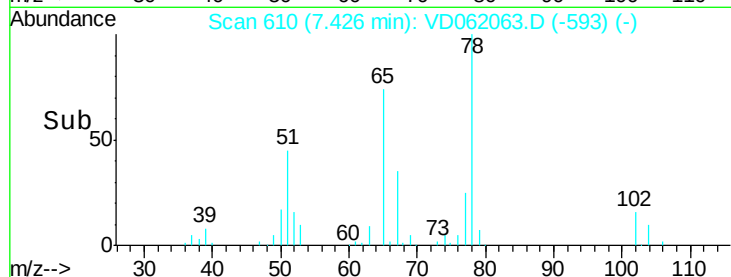
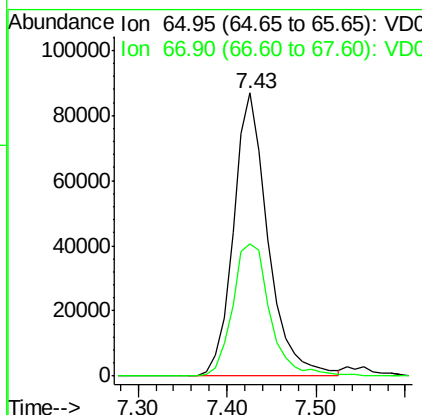
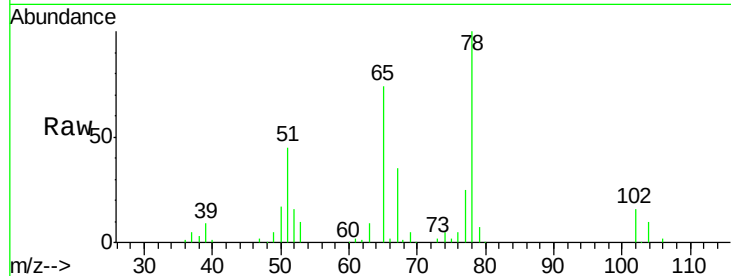




#33
 1,2-Dichloroethane-d4
 Concen: 54.359 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.03 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

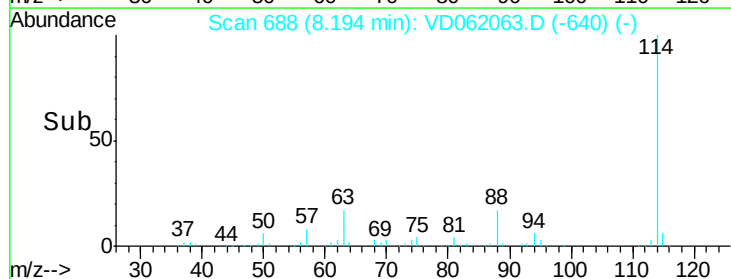
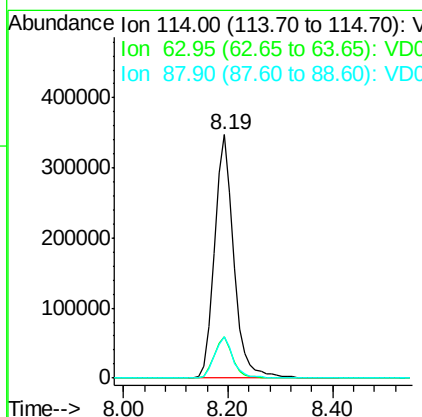
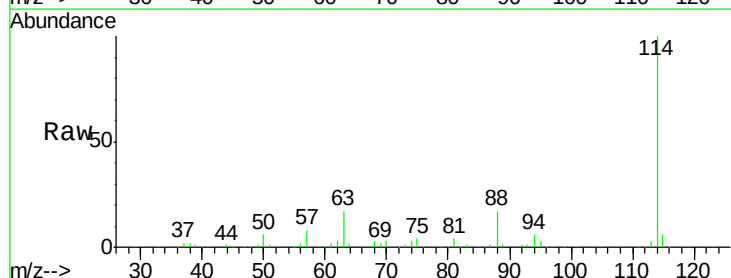
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBSD01

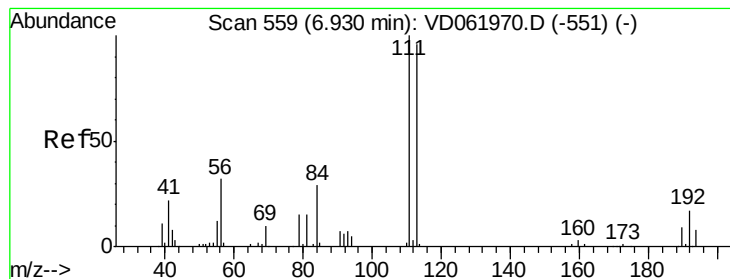
Tot Ion: 65 Resp: 234134
 Ion Ratio Lower Upper
 65 100
 67 46.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. -0.03 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Tgt Ion: 114 Resp: 891485
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 32.4
 88 16.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 54.606 ug/l

RT: 6.89 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBSD01

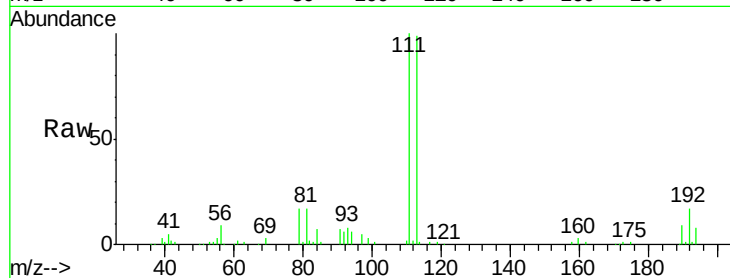
Tot Ion:113 Resp: 336670

Ion Ratio Lower Upper

113 100

111 100.8 78.5 117.7

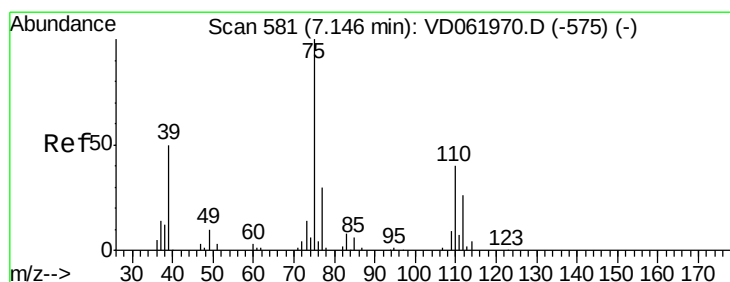
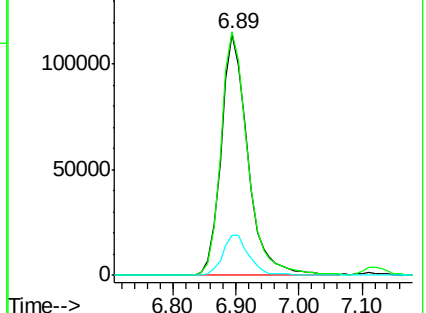
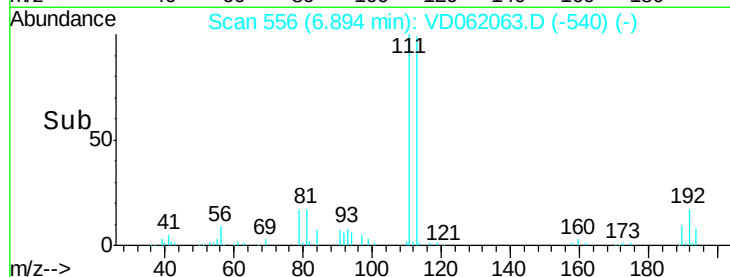
192 16.6 13.0 19.4



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: 20.435 ug/l

RT: 7.12 min Scan# 579

Delta R.T. -0.03 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

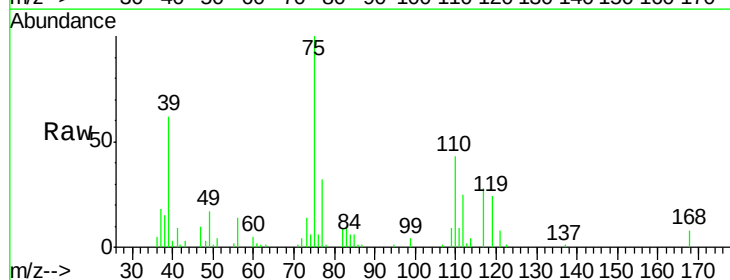
Tgt Ion: 75 Resp: 141937

Ion Ratio Lower Upper

75 100

110 43.1 19.1 57.1

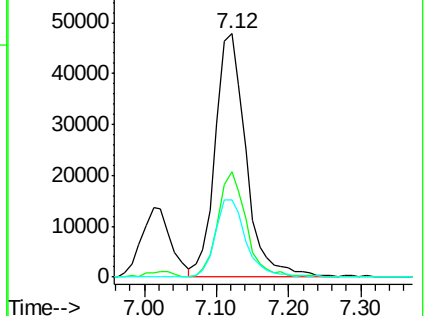
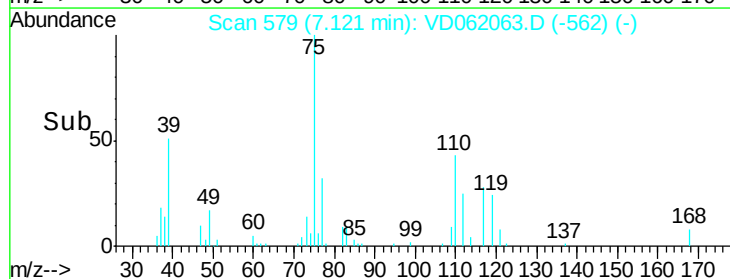
77 31.5 25.6 38.4

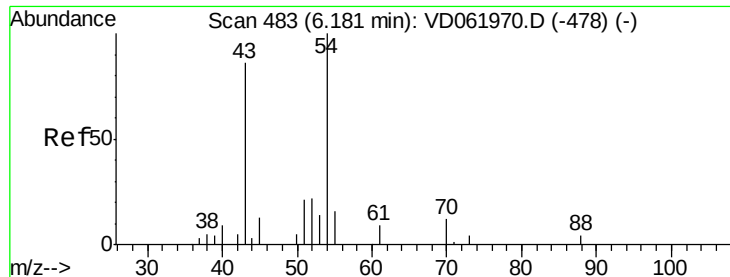


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

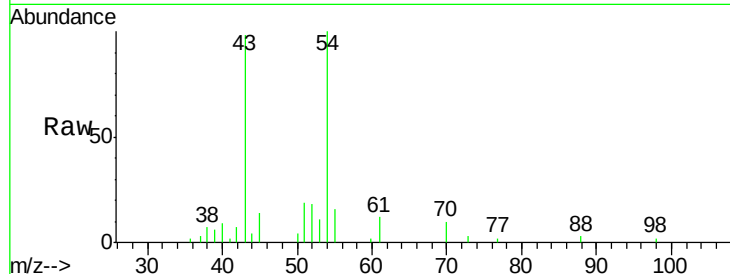




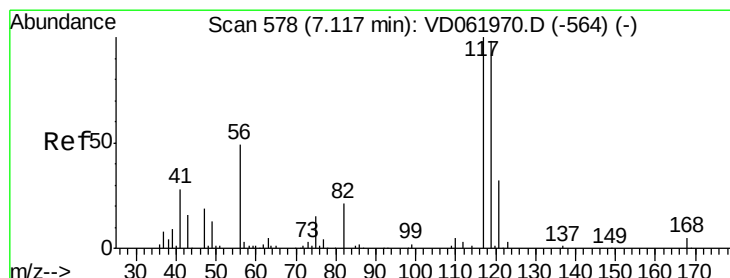
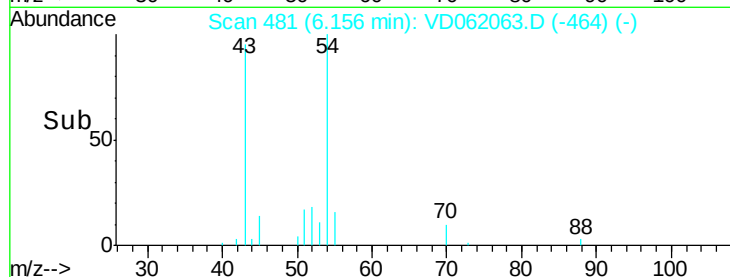
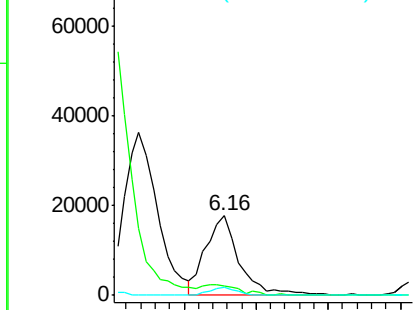
#37
Ethyl Acetate
Concen: 19.325 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD0429SBS01

Tot Ion: 43 Resp: 57197
Ion Ratio Lower Upper
43 100
61 12.6 14.7 22.1#
70 10.2 7.8 11.6

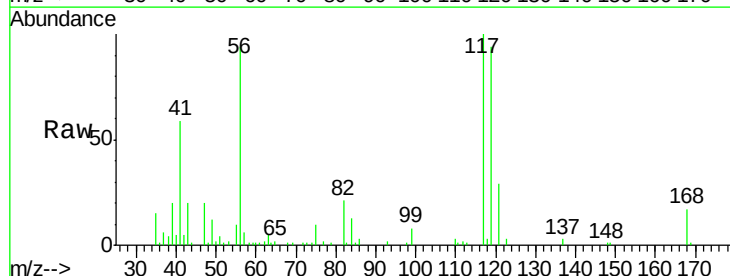


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

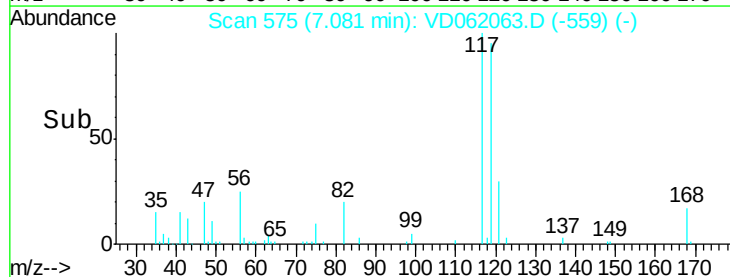
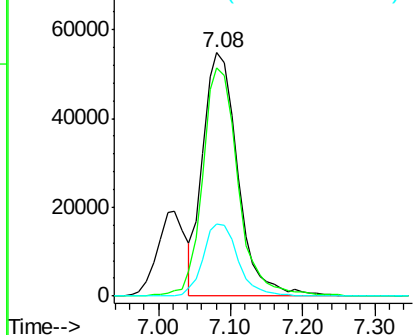


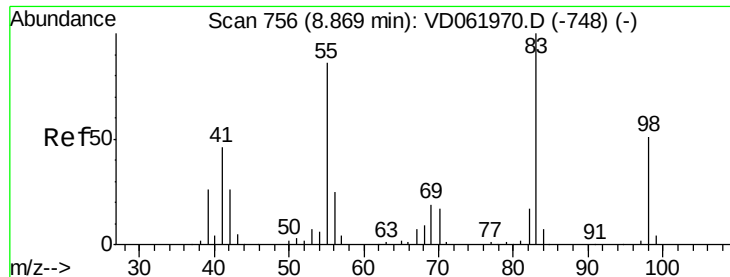
#38
Carbon Tetrachloride
Concen: 20.908 ug/l
RT: 7.08 min Scan# 575
Delta R.T. -0.04 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion: 117 Resp: 184013
Ion Ratio Lower Upper
117 100
119 93.9 75.8 113.8
121 29.4 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

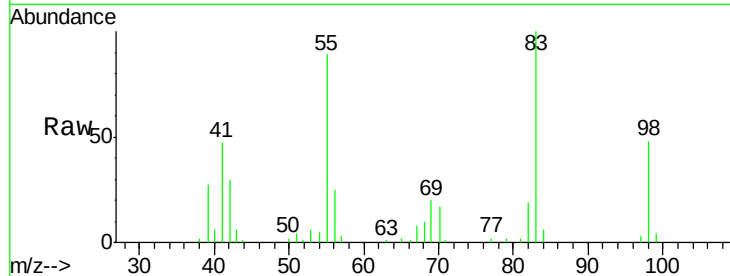




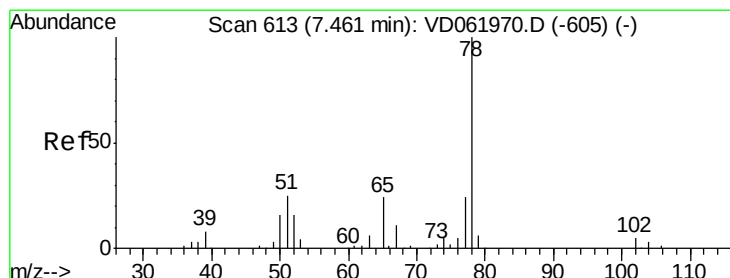
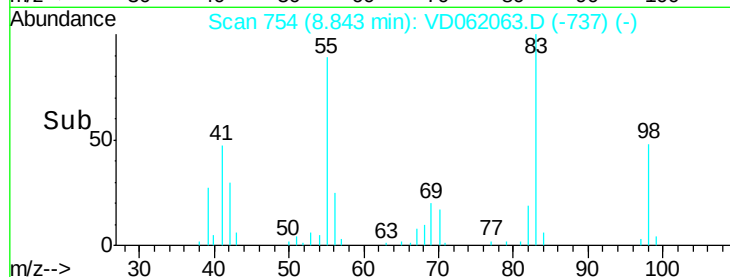
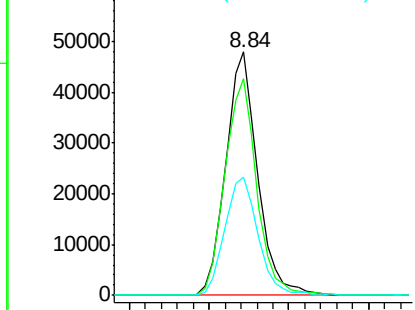
#39
Methylvlcyclohexane
Concen: 19.576 ug/l
RT: 8.84 min Scan# 754
Delta R.T. -0.03 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD0429SBSD01

Tot Ion: 83 Resp: 134148
Ion Ratio Lower Upper
83 100
55 88.9 68.2 102.4
98 48.5 38.2 57.4

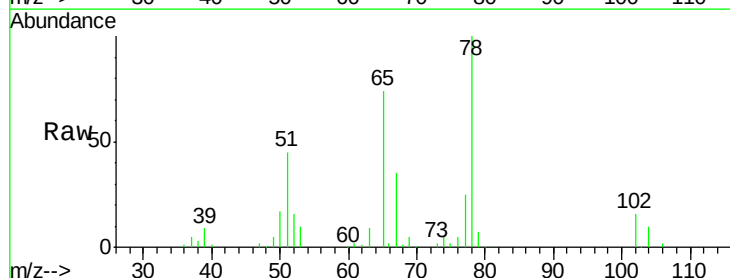


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

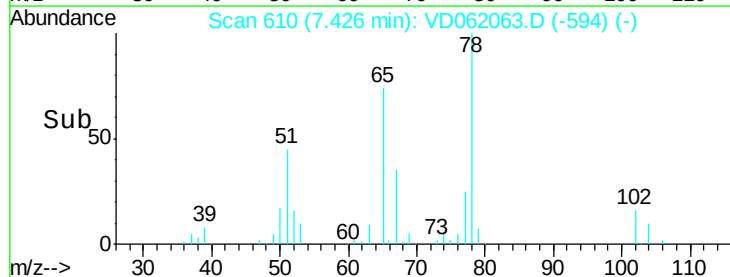
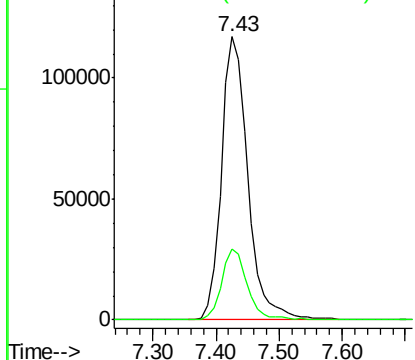


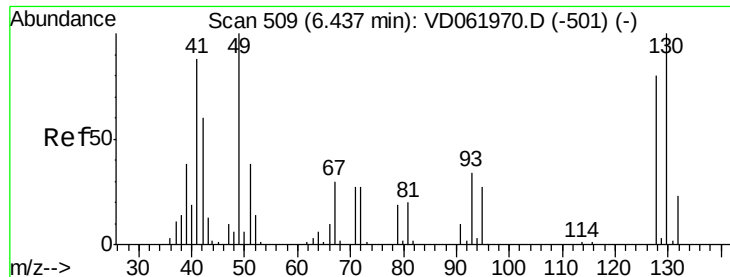
#40
Benzene
Concen: 19.819 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.04 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion: 78 Resp: 340794
Ion Ratio Lower Upper
78 100
77 25.0 19.7 29.5



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

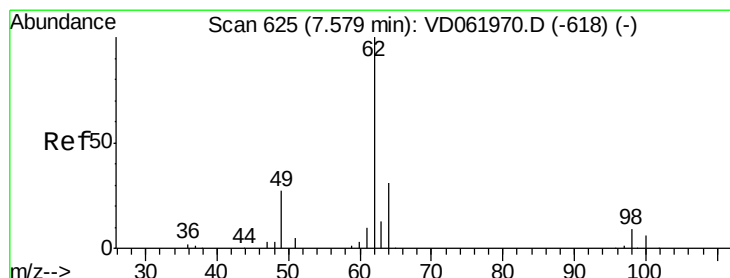
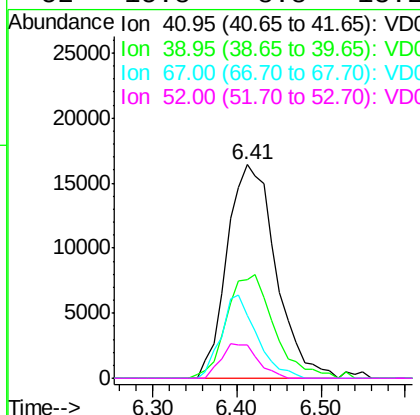
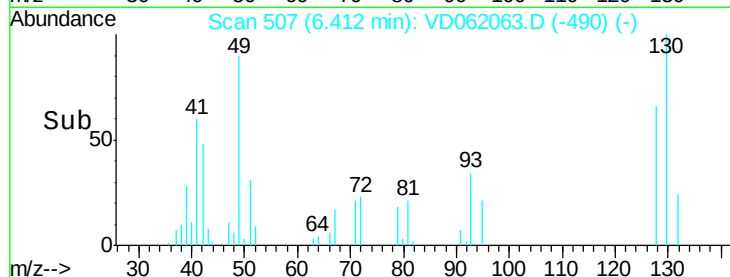
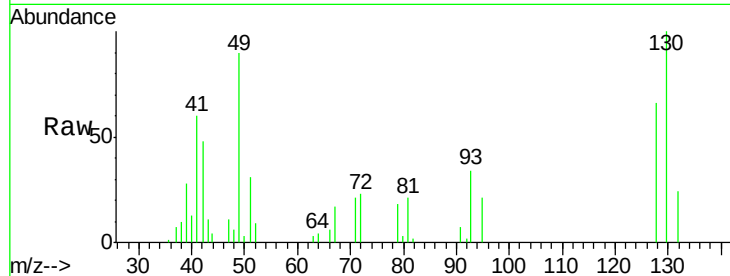




#41
Methacrylonitrile
Concen: 19.175 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.03 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

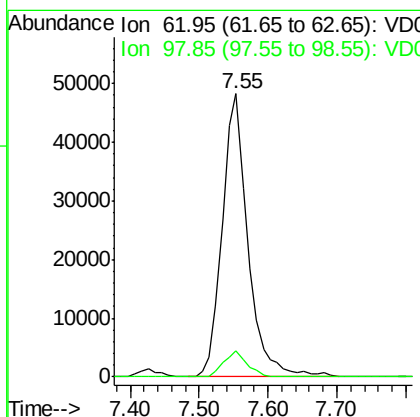
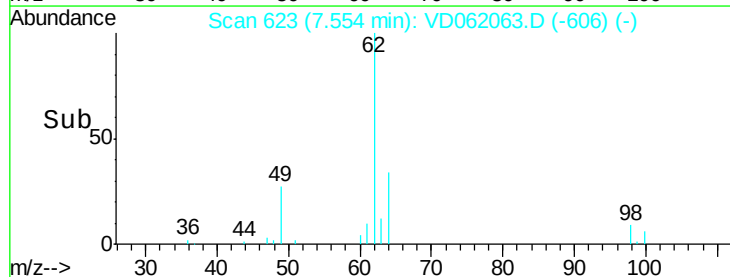
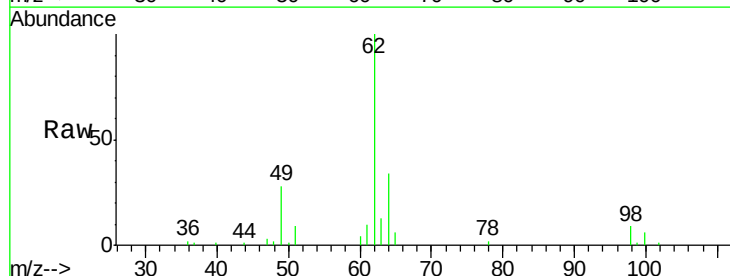
Instrument :
MSVOA_D
ClientSampleId :
VD0429SBSD01

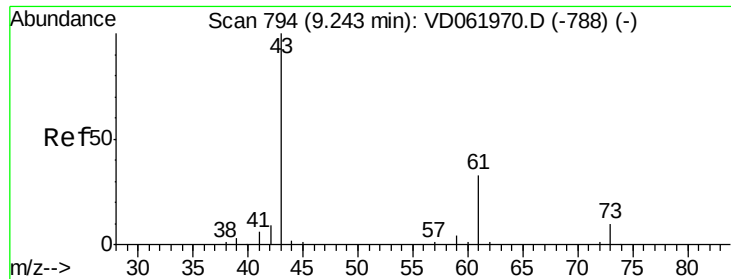
Tot Ion: 41 Resp: 66220
Ion Ratio Lower Upper
41 100
39 46.2 34.1 51.1
67 29.1 23.8 35.6
52 15.8 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 21.314 ug/l
RT: 7.55 min Scan# 623
Delta R.T. -0.03 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion: 62 Resp: 124441
Ion Ratio Lower Upper
62 100
98 9.4 0.0 17.8





#43

Isopropyl Acetate

Concen: 17.738 ug/l

RT: 9.22 min Scan# 792

Delta R.T. -0.03 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBSD01

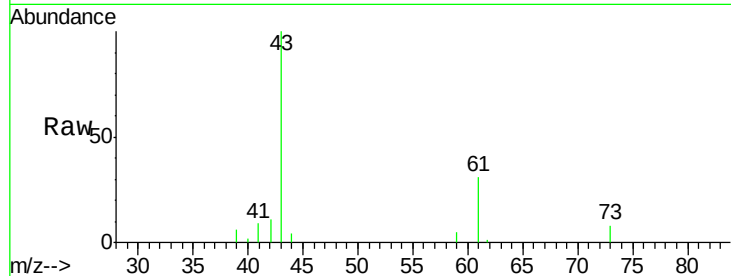
Tot Ion: 43 Resp: 76712

Ion Ratio Lower Upper

43 100

61 31.4 25.1 37.7

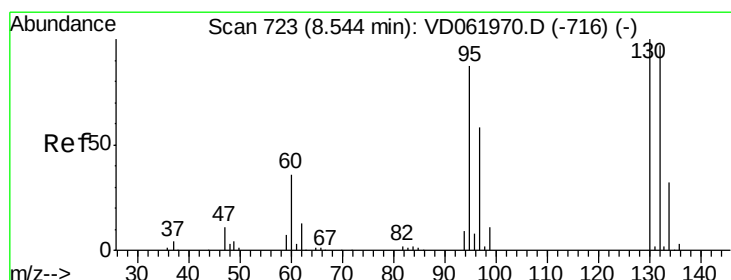
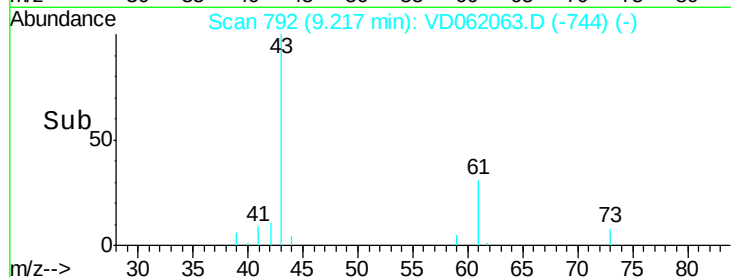
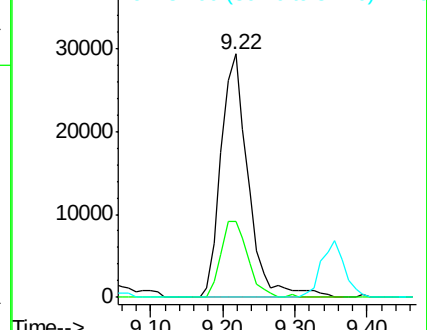
87 0.0 0.0 0.0



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: 21.662 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.03 min

Lab File: VD062063.D

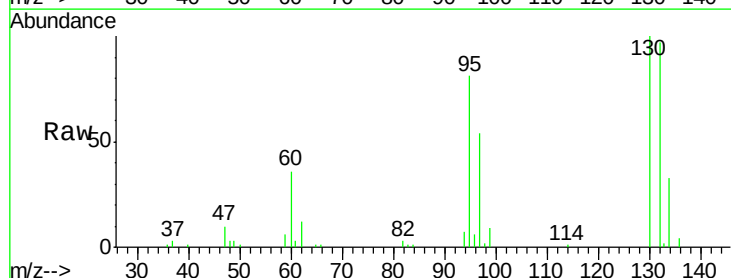
Acq: 29 Apr 2019 15:27

Tgt Ion:130 Resp: 144407

Ion Ratio Lower Upper

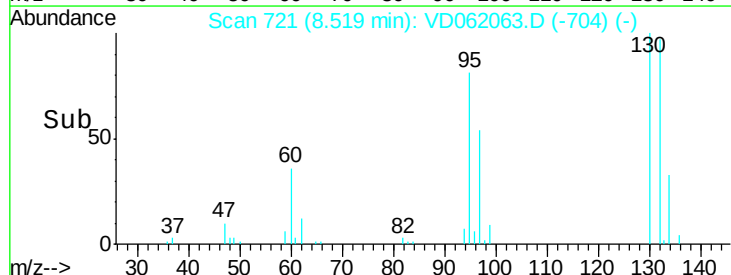
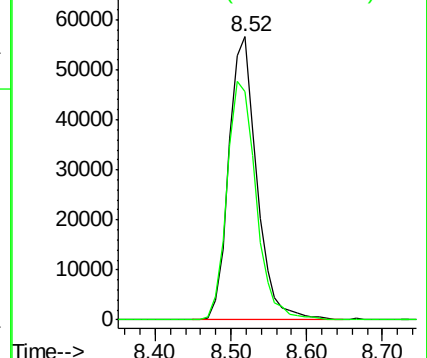
130 100

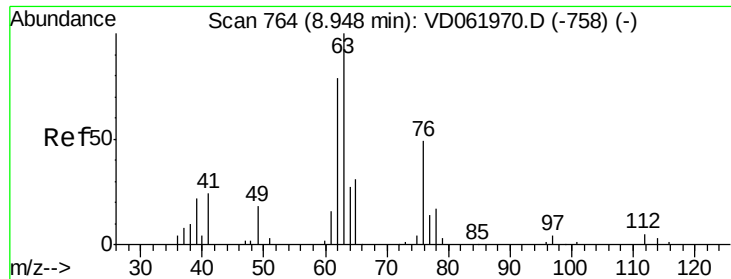
95 80.5 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 18.798 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.03 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

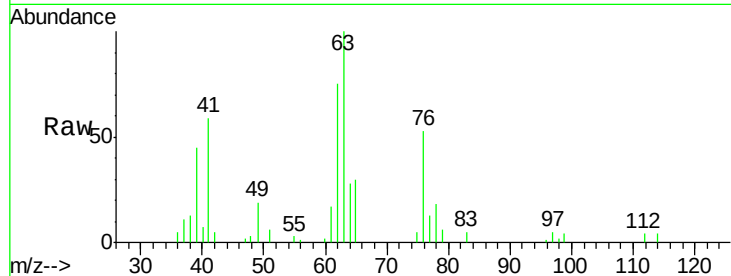
VD0429SBS01

Tot Ion: 63 Resp: 82001

Ion Ratio Lower Upper

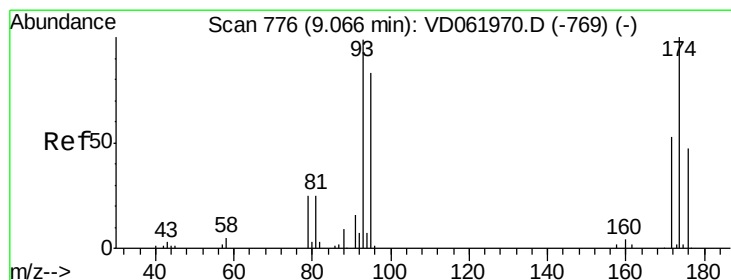
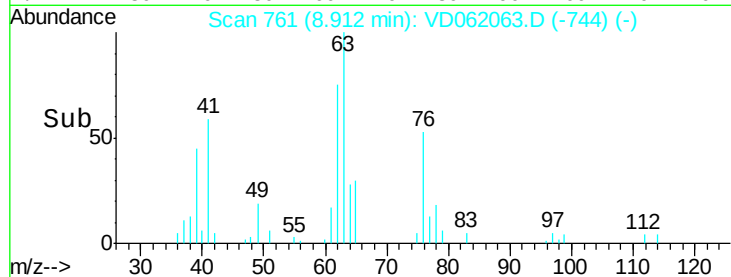
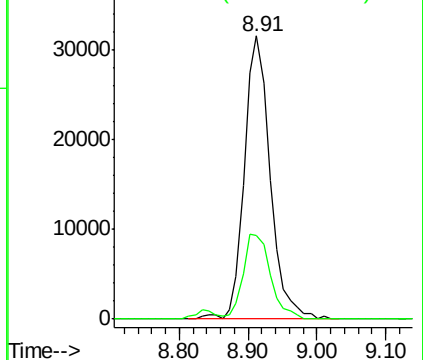
63 100

65 29.8 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: 21.368 ug/l

RT: 9.04 min Scan# 774

Delta R.T. -0.03 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

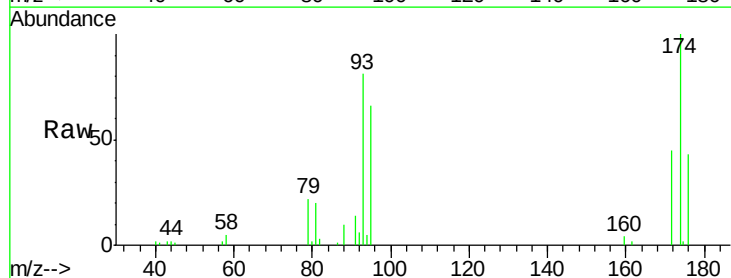
Tgt Ion: 93 Resp: 67071

Ion Ratio Lower Upper

93 100

95 81.4 64.8 97.2

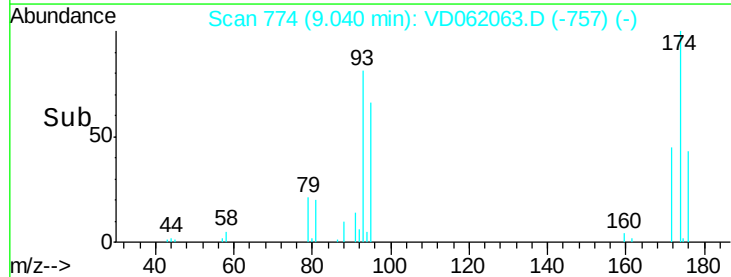
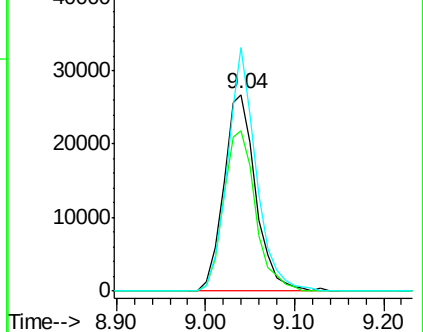
174 123.8 79.3 118.9#

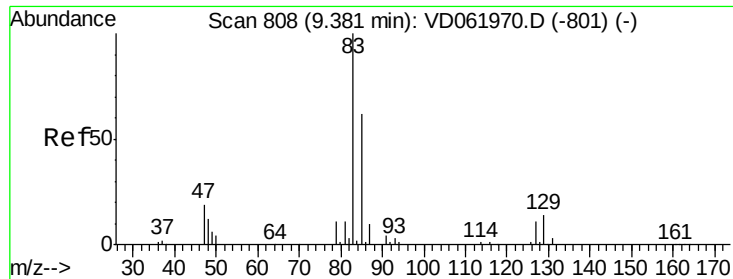


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.426 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.03 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

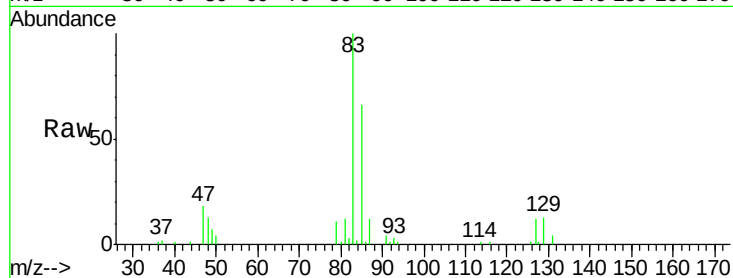
Tot Ion: 83 Resp: 151495

Ion Ratio Lower Upper

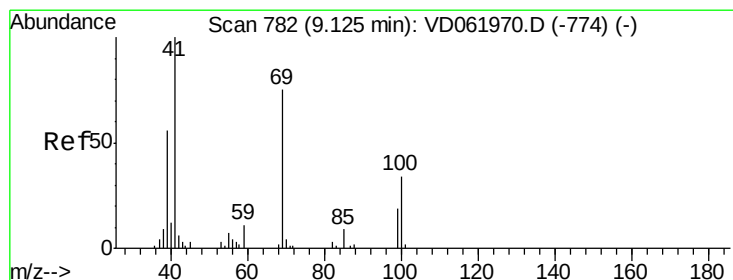
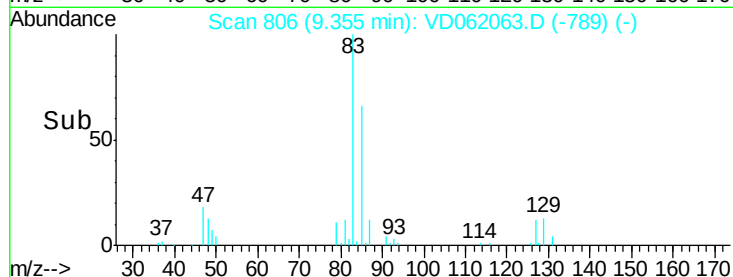
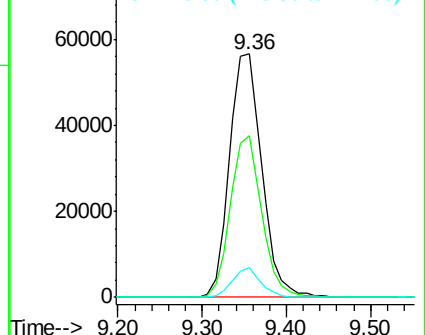
83 100

85 66.3 50.9 76.3

127 12.1 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: 20.855 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.04 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

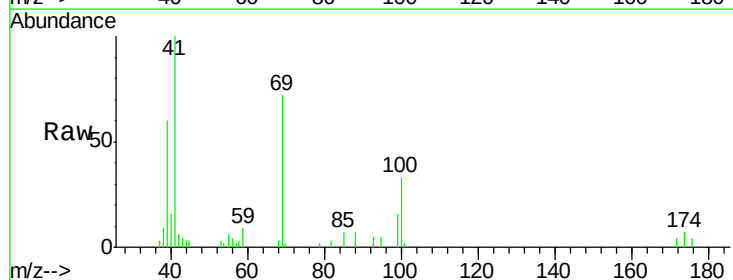
Tgt Ion: 41 Resp: 51458

Ion Ratio Lower Upper

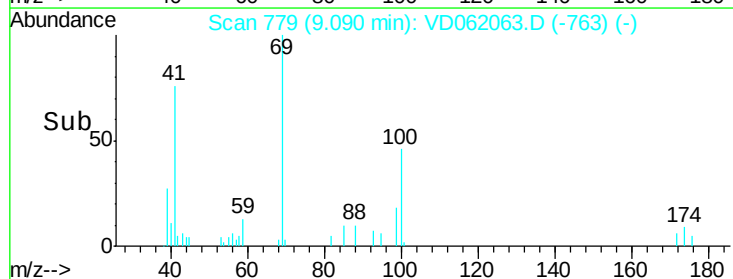
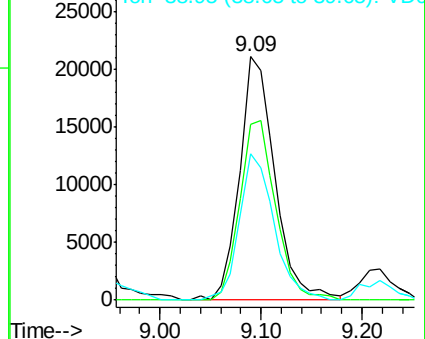
41 100

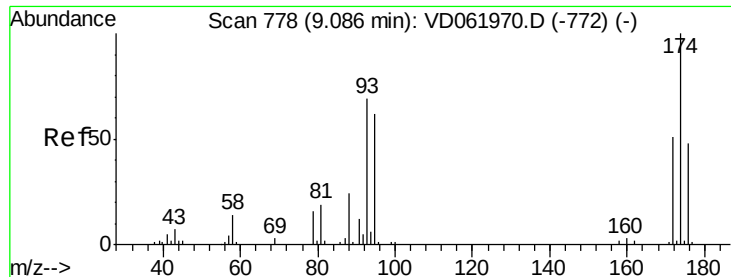
69 72.4 64.2 96.2

39 59.9 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

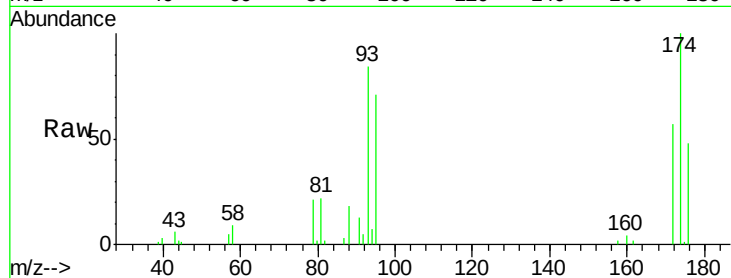




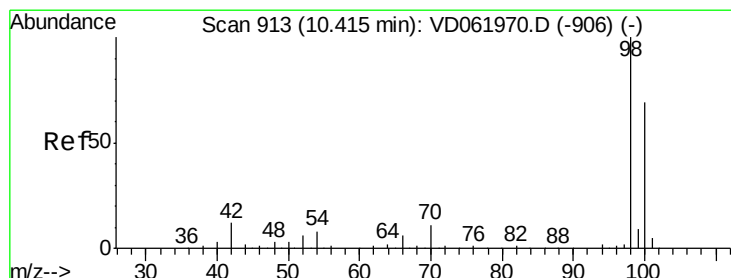
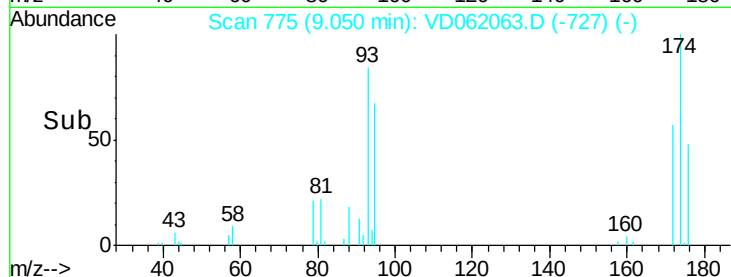
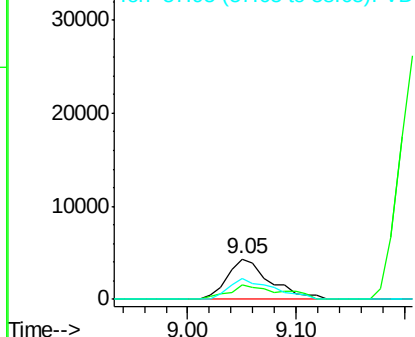
#49
1,4-Dioxane
Concen: 444.514 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.03 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD0429SBSD01

Tot Ion: 88 Resp: 11825
Ion Ratio Lower Upper
88 100
43 35.7 23.4 35.0#
58 50.9 44.0 66.0

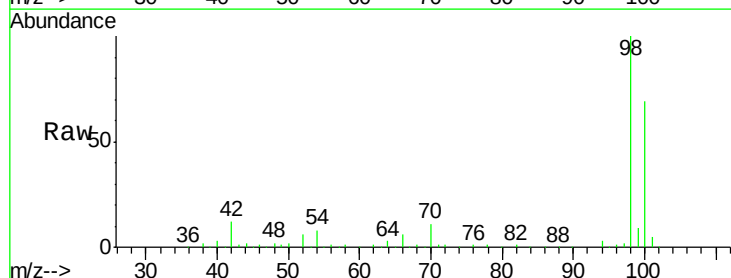


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

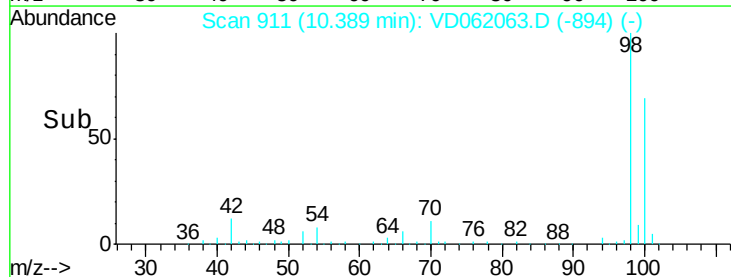
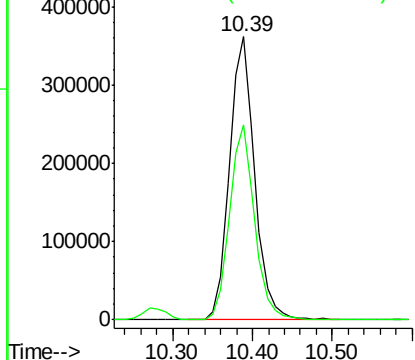


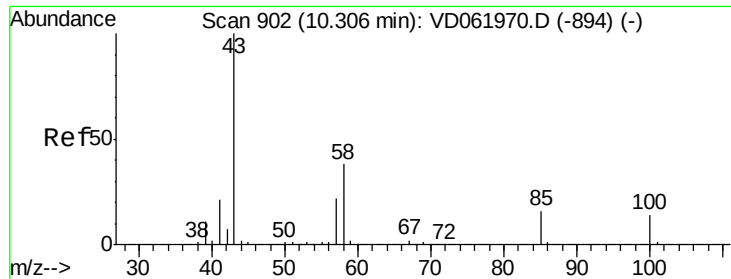
#50
Toluene-d8
Concen: 54.538 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.03 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion: 98 Resp: 800120
Ion Ratio Lower Upper
98 100
100 68.7 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 100.994 ug/l

RT: 10.27 min Scan# 899

Delta R.T. -0.03 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

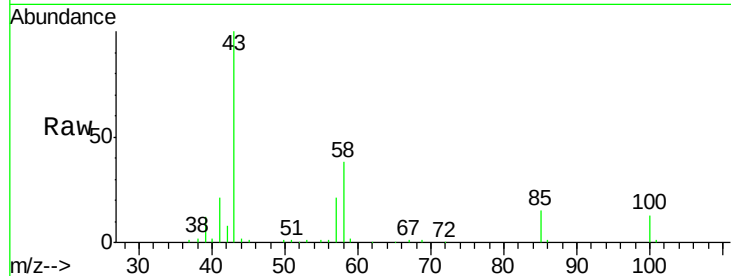
VD0429SBS01

Tot Ion: 43 Resp: 267107

Ion Ratio Lower Upper

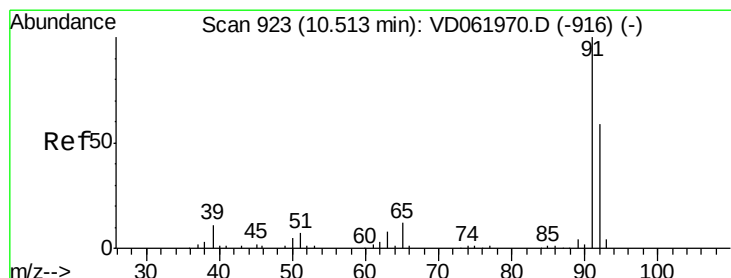
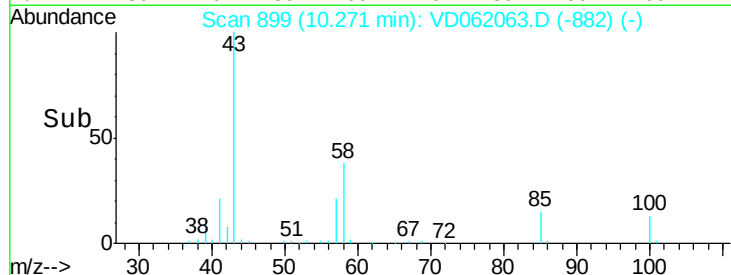
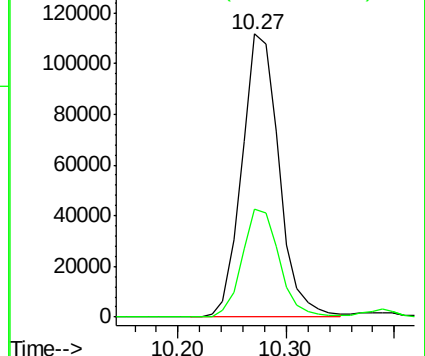
43 100

58 38.1 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: 19.549 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.03 min

Lab File: VD062063.D

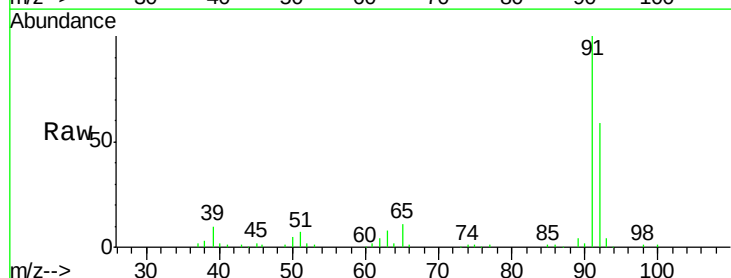
Acq: 29 Apr 2019 15:27

Tgt Ion: 92 Resp: 214329

Ion Ratio Lower Upper

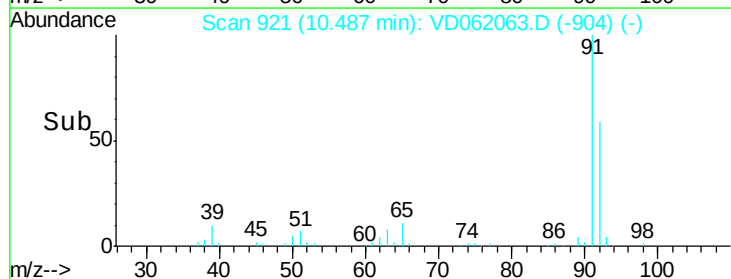
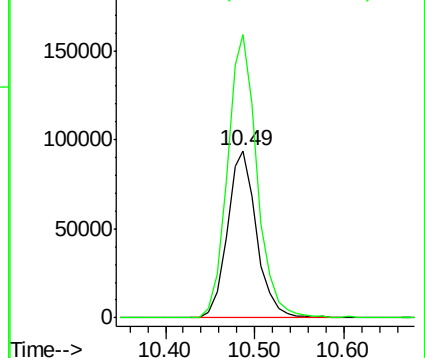
92 100

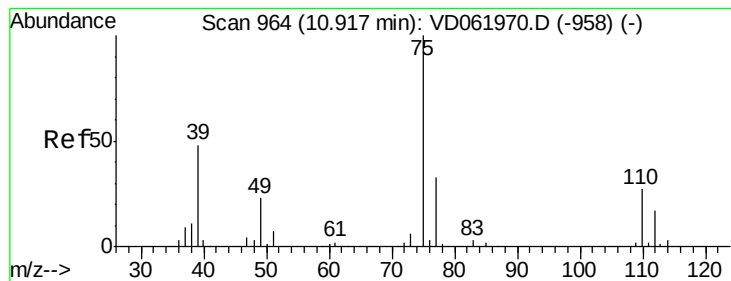
91 169.5 136.6 204.8



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: 20.964 ug/l

RT: 10.89 min Scan# 962

Delta R.T. -0.03 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

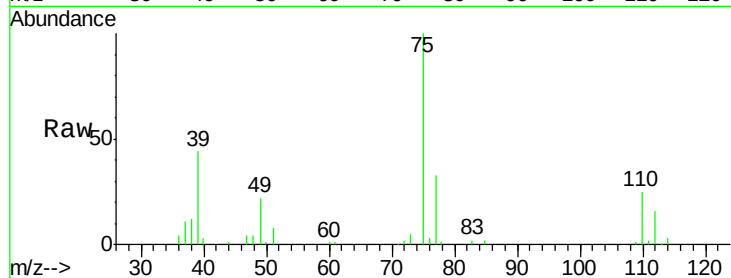
VD0429SBSD01

Tot Ion: 75 Resp: 130510

Ion Ratio Lower Upper

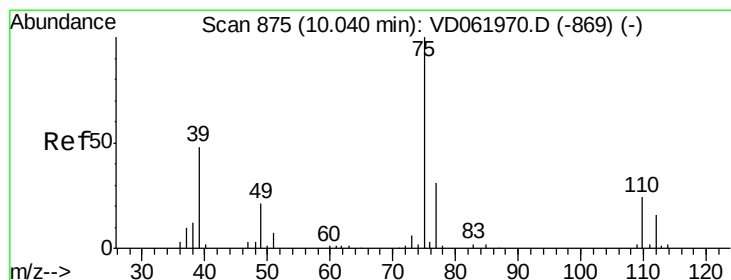
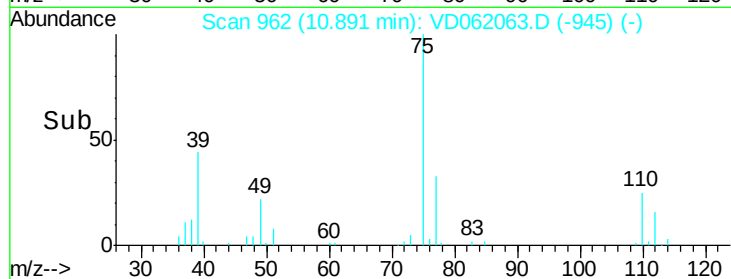
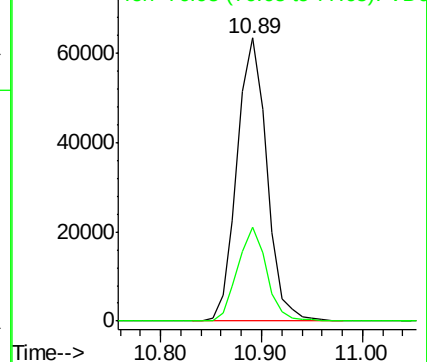
75 100

77 33.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.782 ug/l

RT: 10.01 min Scan# 873

Delta R.T. -0.03 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

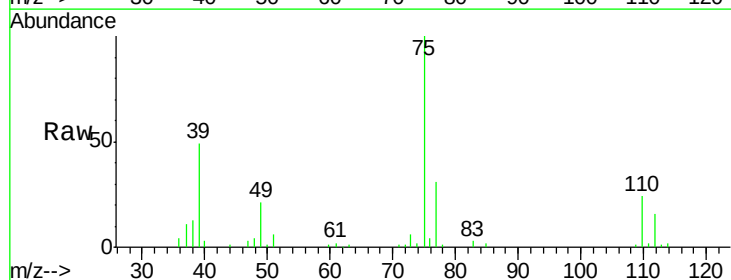
Tgt Ion: 75 Resp: 157351

Ion Ratio Lower Upper

75 100

77 30.9 25.5 38.3

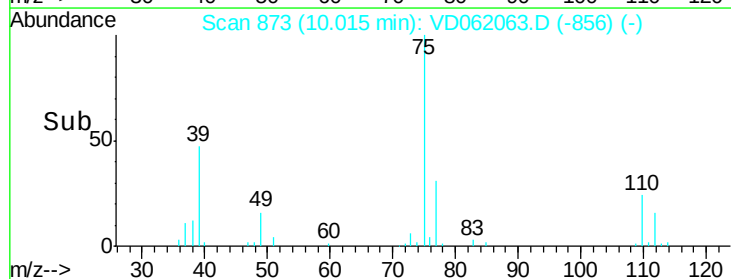
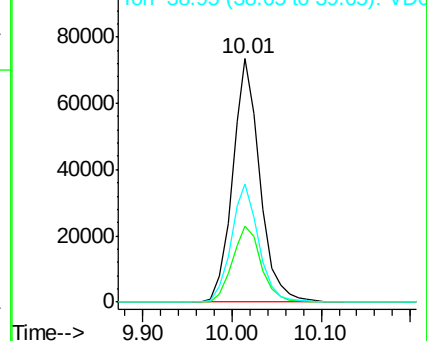
39 48.7 39.4 59.2

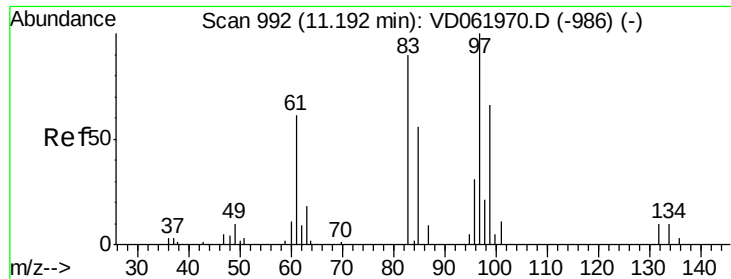


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

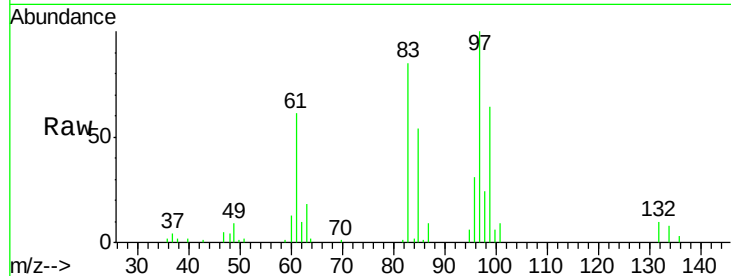




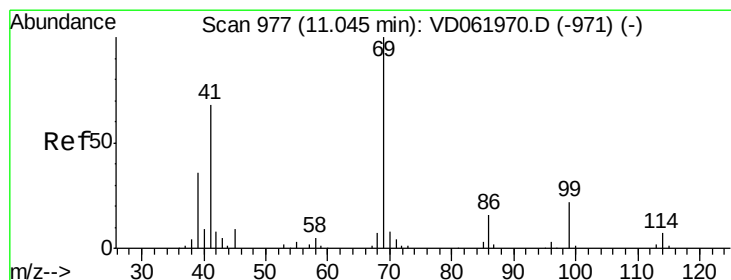
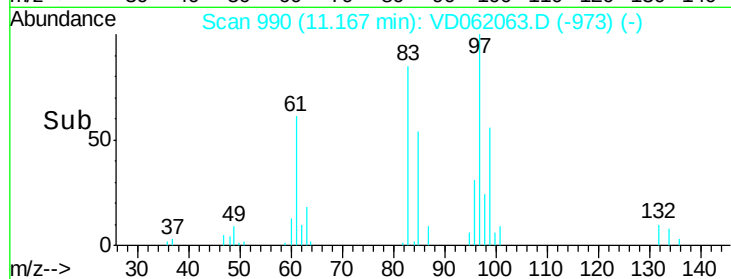
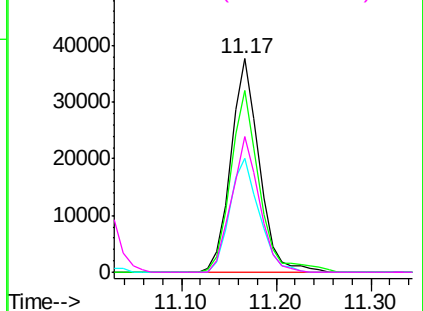
#55
 1,1,2-Trichloroethane
 Concen: 21.207 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. -0.03 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBSD01

Tot Ion:	97	Resp:	78058
Ion	Ratio	Lower	Upper
97	100		
83	85.3	65.7	98.5
85	53.6	45.6	68.4
99	63.5	48.4	72.6

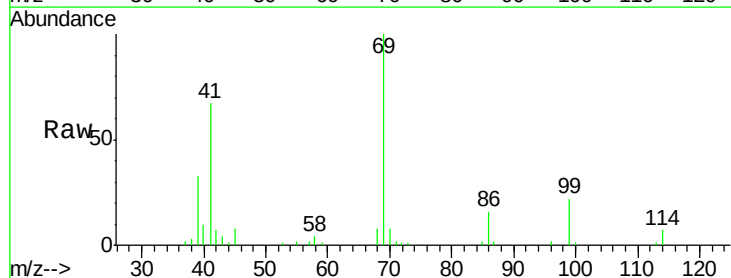


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

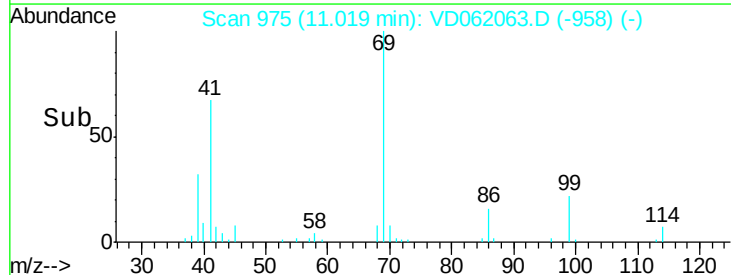
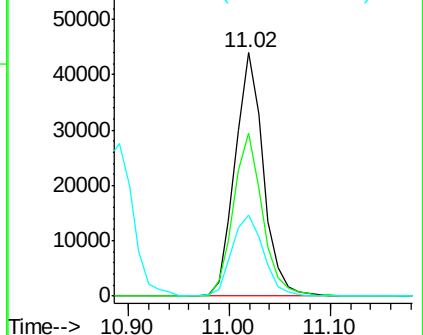


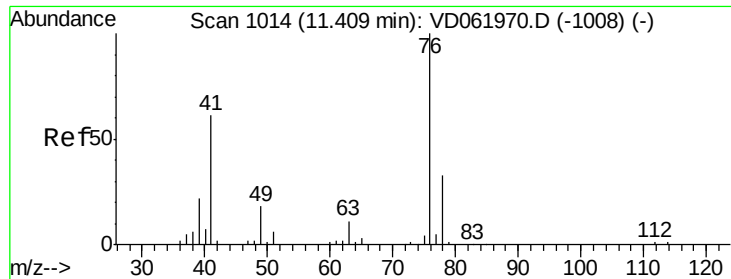
#56
 Ethyl methacrylate
 Concen: 21.021 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.03 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Tgt Ion:	69	Resp:	85696
Ion	Ratio	Lower	Upper
69	100		
41	66.7	56.3	84.5
39	33.4	29.4	44.2



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

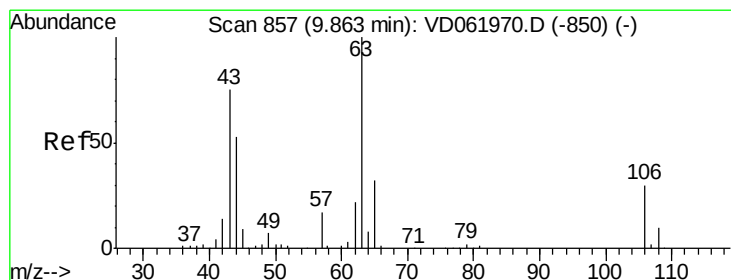
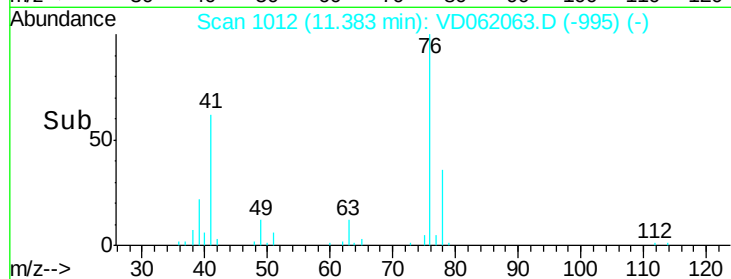
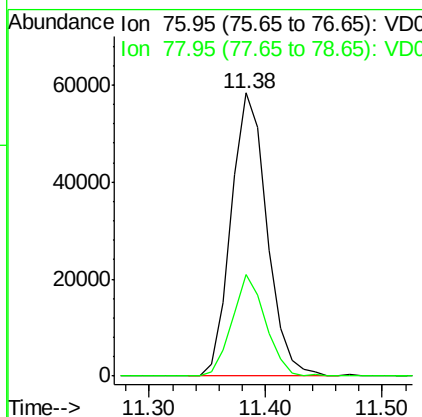
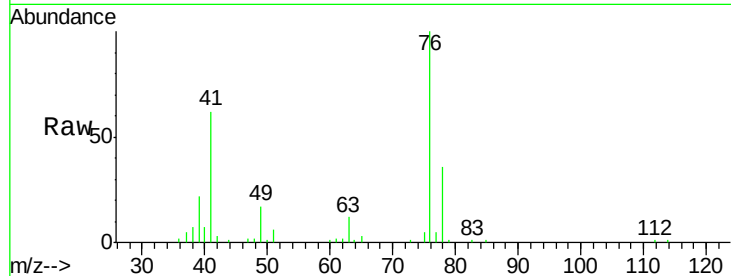




#57
 1,3-Dichloropropane
 Concen: 21.786 ug/l
 RT: 11.38 min Scan# 1012
 Delta R.T. -0.03 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

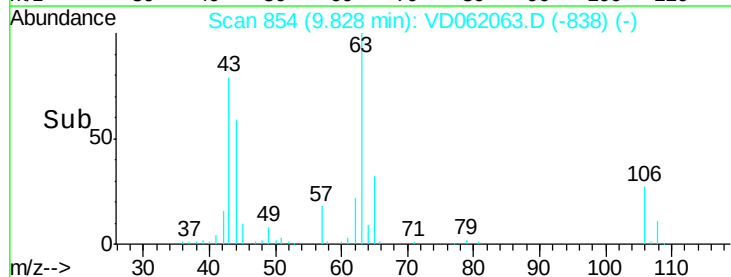
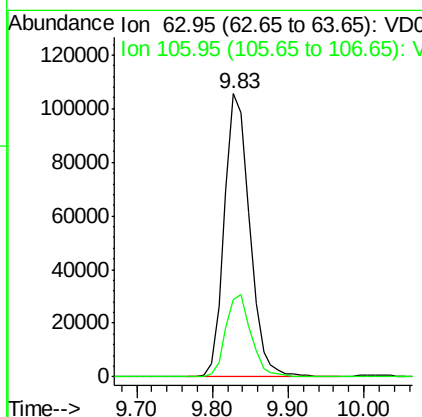
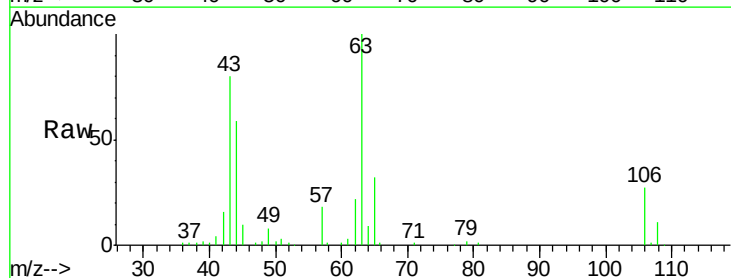
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBSD01

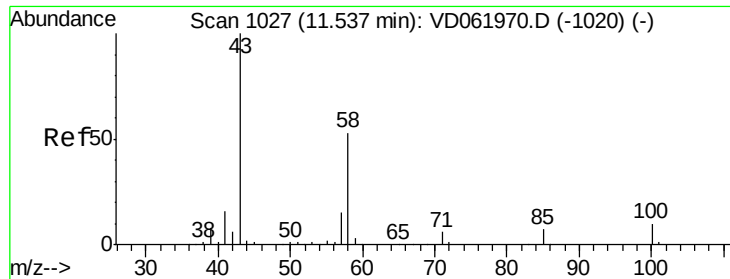
Tot Ion: 76 Resp: 123854
 Ion Ratio Lower Upper
 76 100
 78 35.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 129.192 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. -0.04 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Tgt Ion: 63 Resp: 244862
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.6 34.0

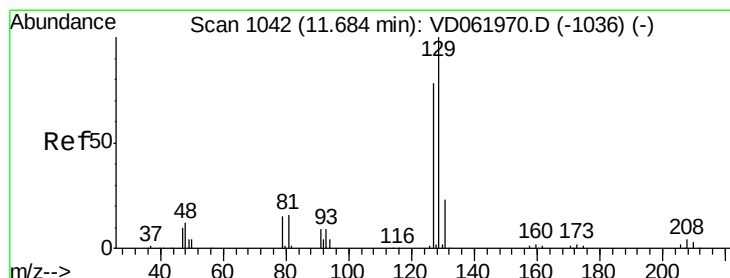
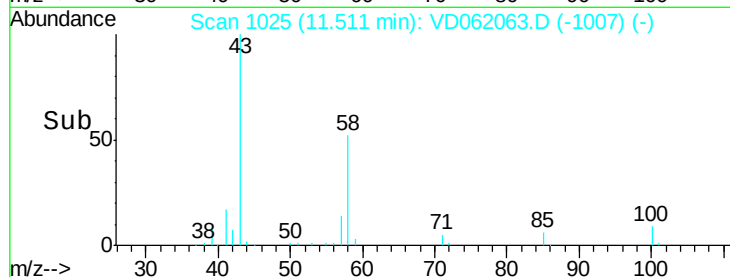
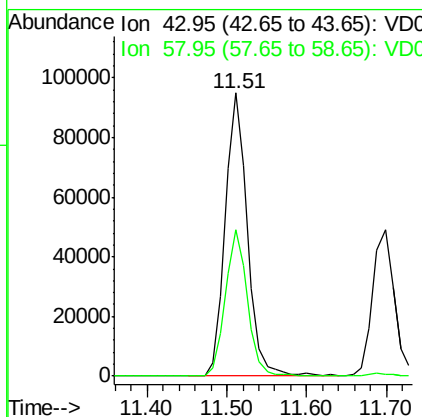
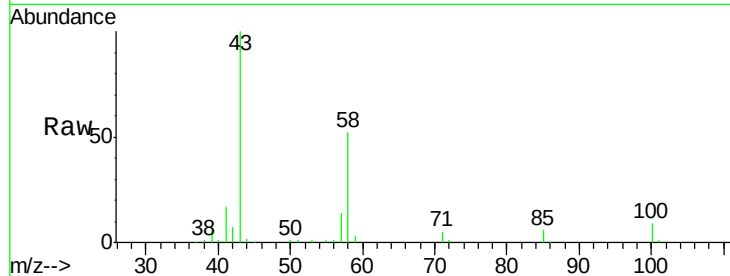




#59
2-Hexanone
Concen: 94.091 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. -0.02 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

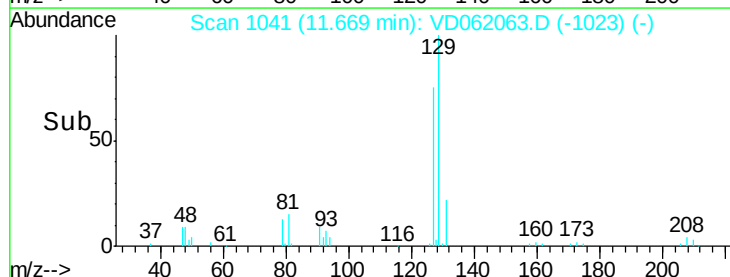
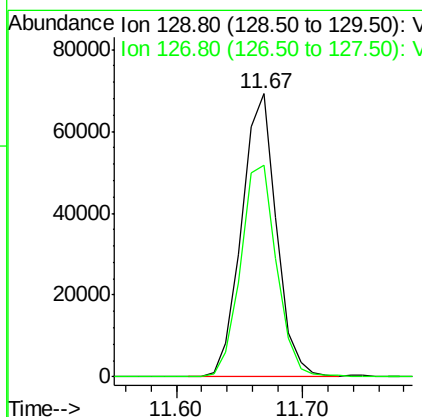
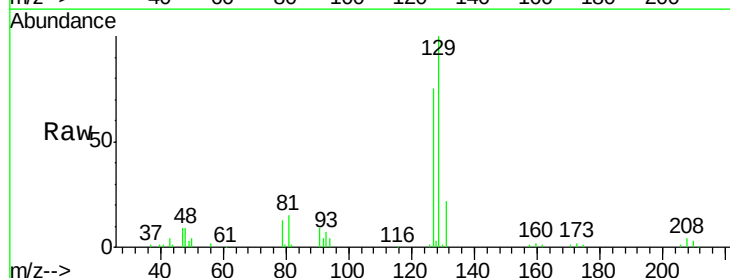
Instrument :
MSVOA_D
ClientSampleId :
VD0429SBSD01

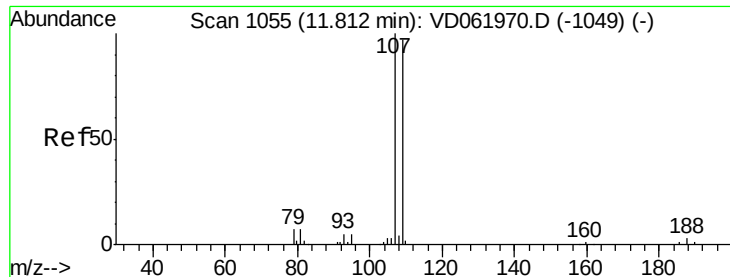
Tot Ion: 43 Resp: 186672
Ion Ratio Lower Upper
43 100
58 51.7 25.4 76.4



#60
Dibromochloromethane
Concen: 21.744 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion: 129 Resp: 132428
Ion Ratio Lower Upper
129 100
127 75.0 38.0 113.9

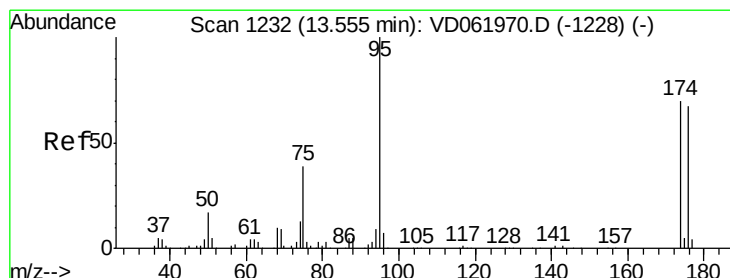
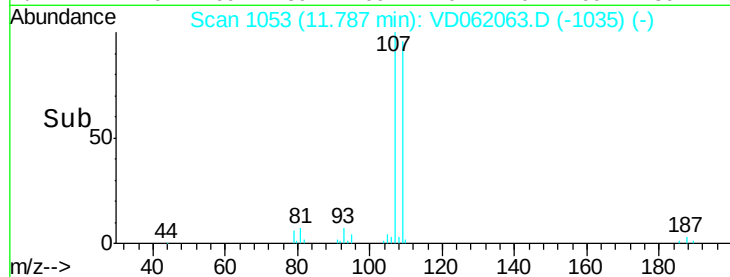
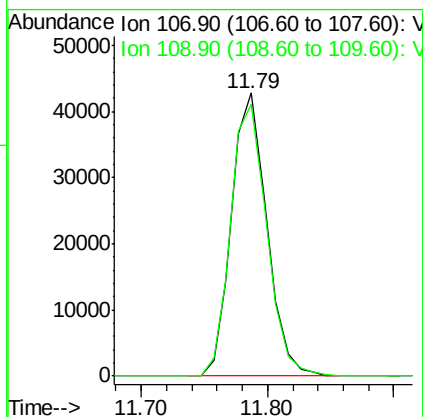
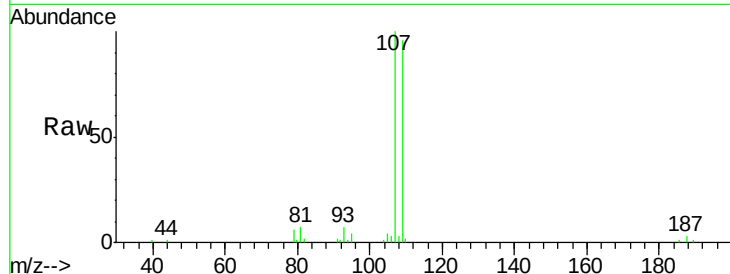




#61
 1,2-Dibromoethane
 Concen: 18.932 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

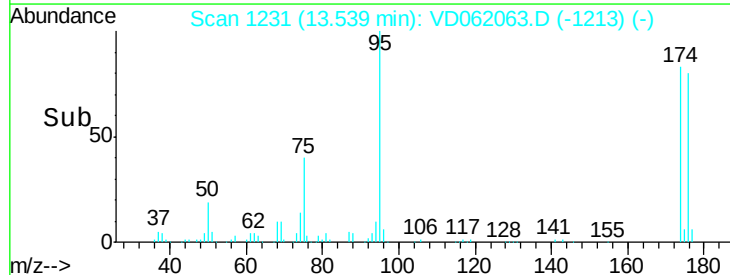
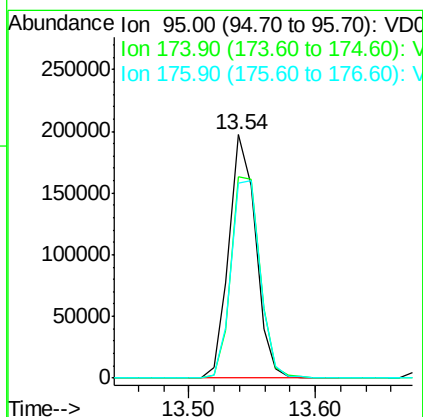
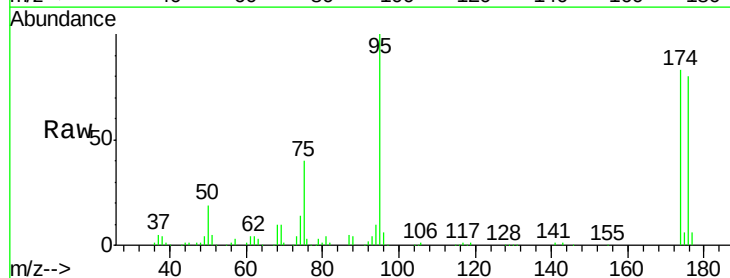
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBSD01

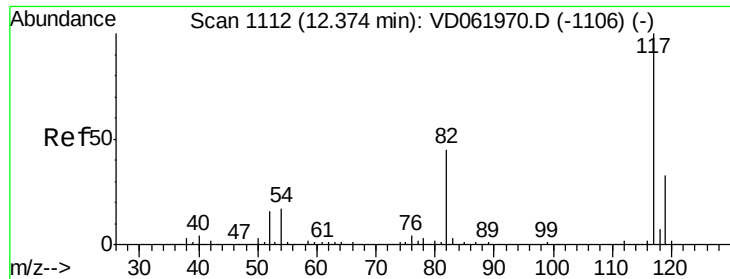
Tot Ion:107 Resp: 82663
 Ion Ratio Lower Upper
 107 100
 109 96.0 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 49.157 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.02 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Tgt Ion: 95 Resp: 289254
 Ion Ratio Lower Upper
 95 100
 174 82.9 0.0 181.8
 176 80.1 0.0 174.4

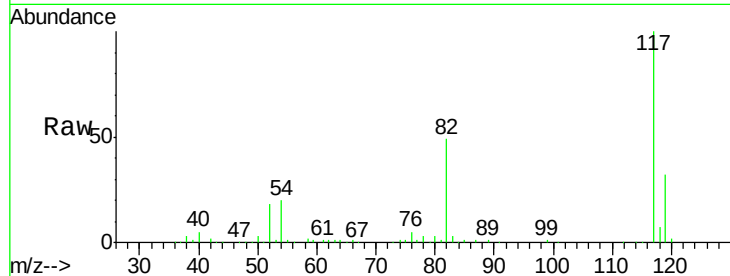




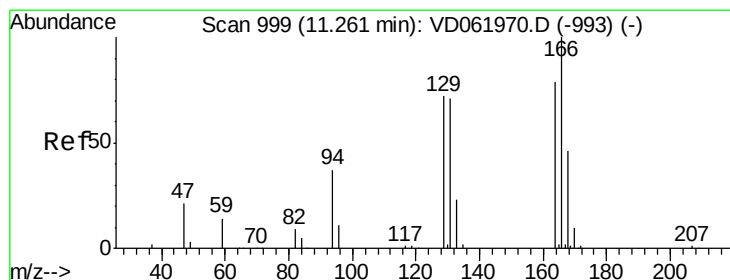
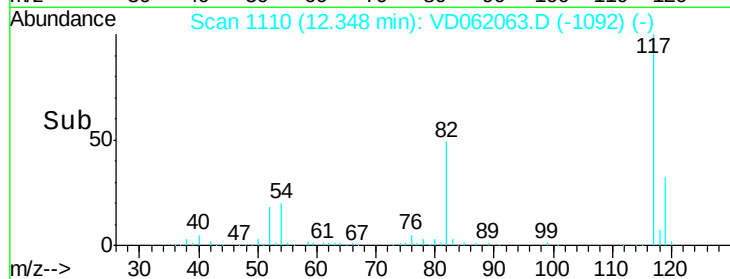
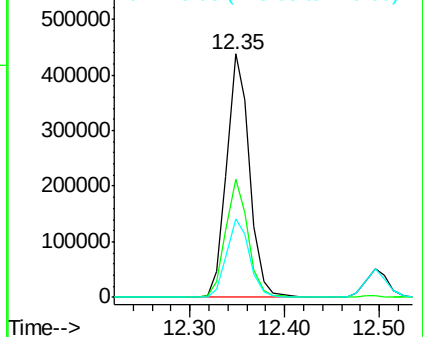
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD0429SBSD01

Tot Ion:117 Resp: 729939
Ion Ratio Lower Upper
117 100
82 48.7 36.2 54.2
119 32.4 26.2 39.4

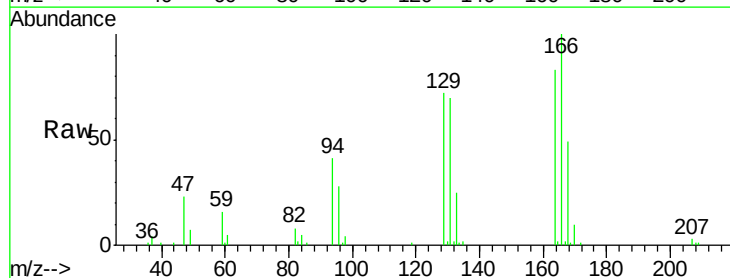


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

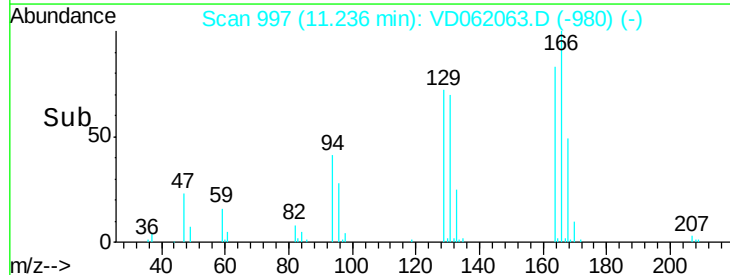
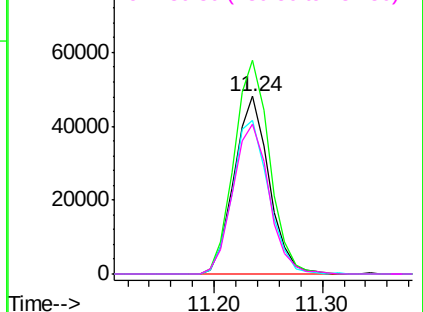


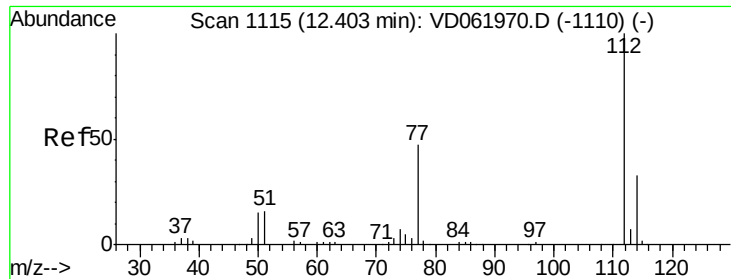
#64
Tetrachloroethene
Concen: 20.617 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.03 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion:164 Resp: 107352
Ion Ratio Lower Upper
164 100
166 120.4 101.5 152.3
129 86.6 74.6 112.0
131 84.6 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

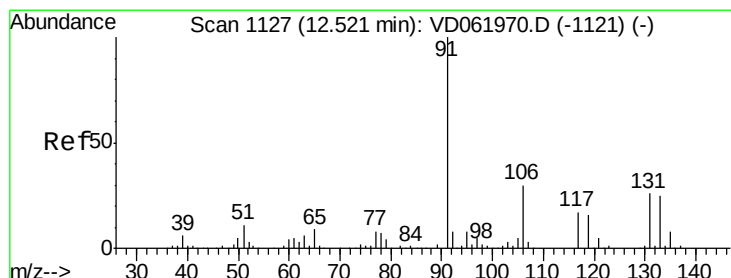
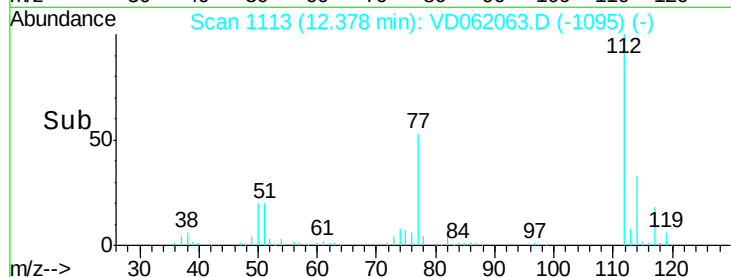
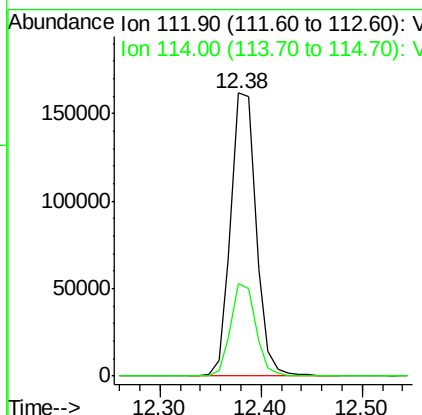
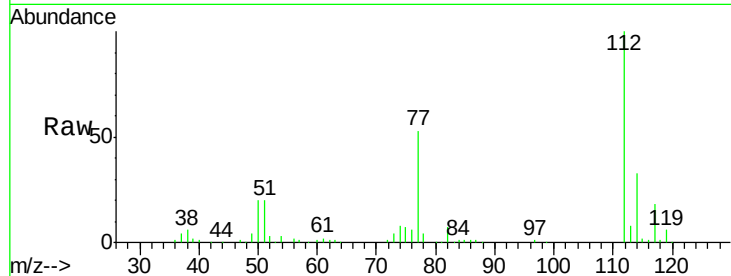




#65
Chlorobenzene
Concen: 20.611 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

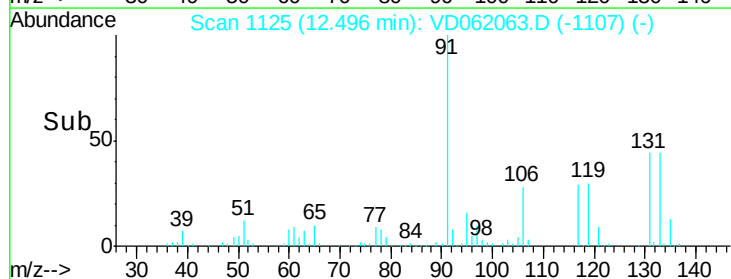
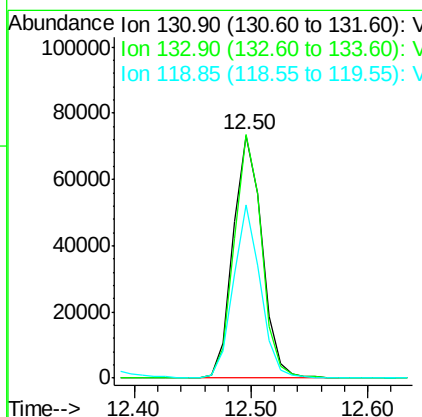
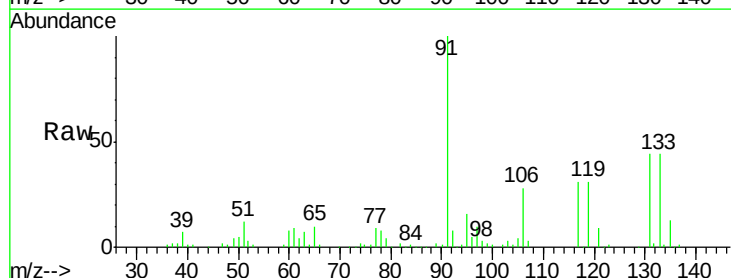
Instrument :
MSVOA_D
ClientSampleId :
VD0429SBSD01

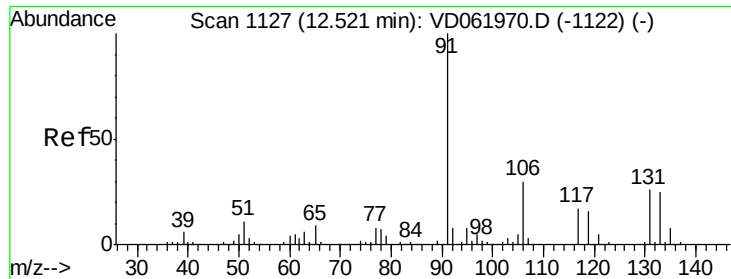
Tot Ion:112 Resp: 284291
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.536 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.02 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion:131 Resp: 126000
Ion Ratio Lower Upper
131 100
133 100.2 48.6 145.8
119 71.5 34.7 104.1

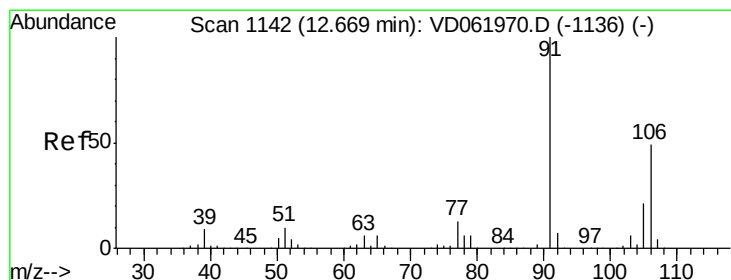
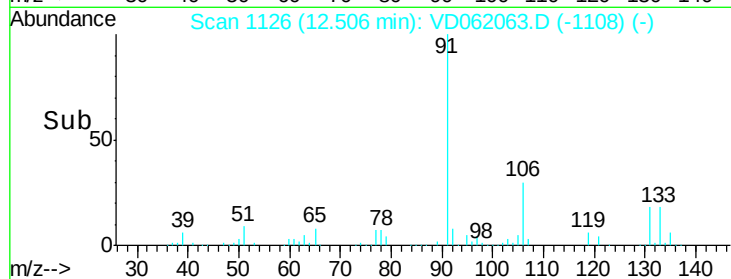
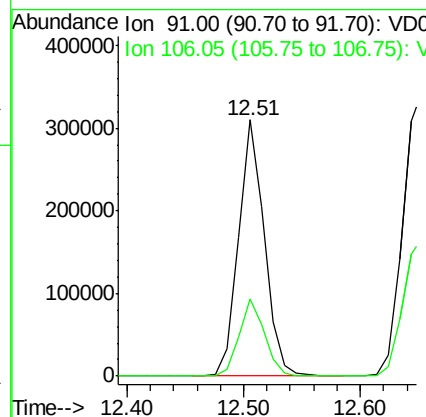
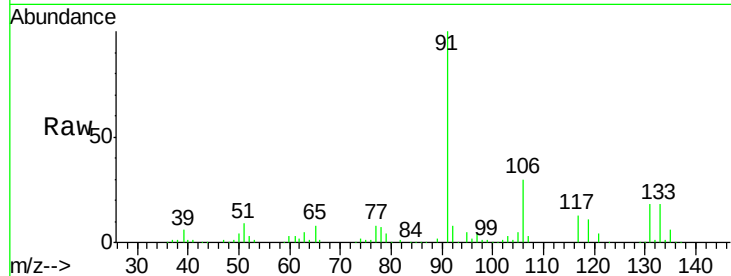




#67
Ethyl Benzene
Concen: 21.088 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

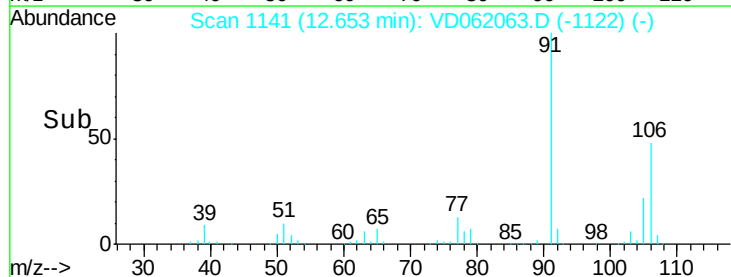
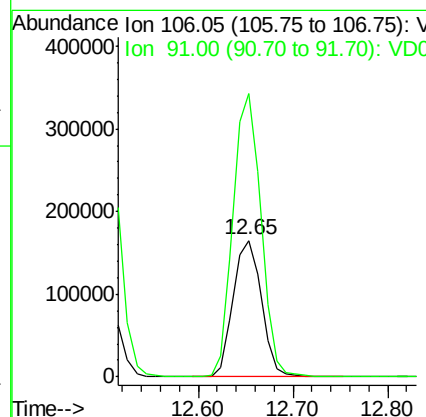
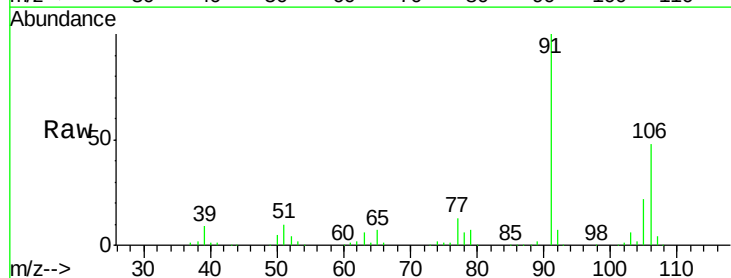
Instrument :
MSVOA_D
ClientSampleId :
VD0429SBS01

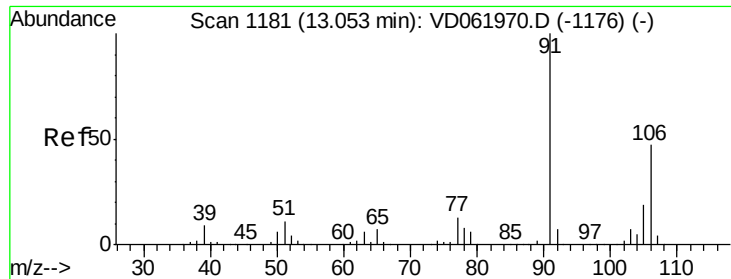
Tot Ion: 91 Resp: 474765
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1



#68
m/p-Xylenes
Concen: 41.915 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion: 106 Resp: 341053
Ion Ratio Lower Upper
106 100
91 207.1 164.0 246.0

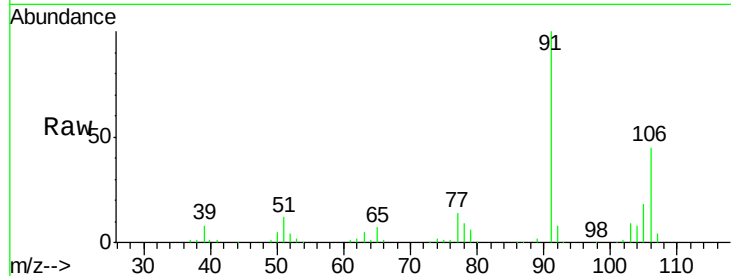




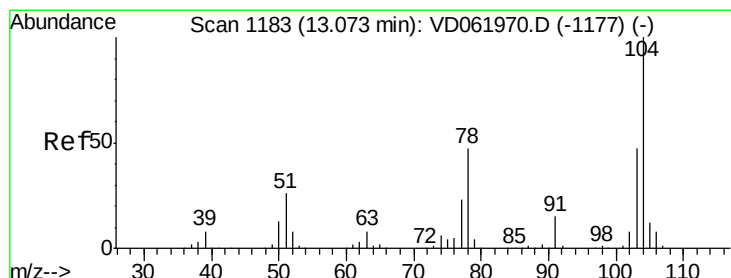
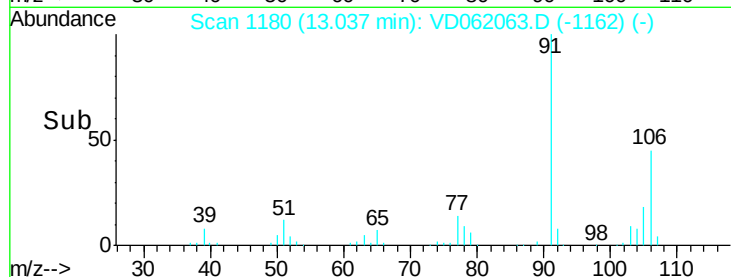
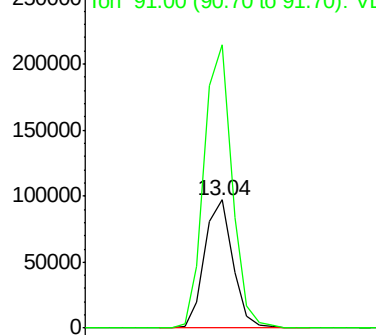
#69
o-Xylene
Concen: 20.097 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD0429SBS01

Tot Ion:106 Resp: 149620
Ion Ratio Lower Upper
106 100
91 220.8 106.7 319.9

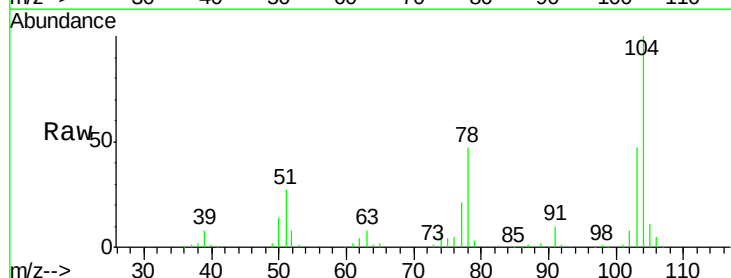


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

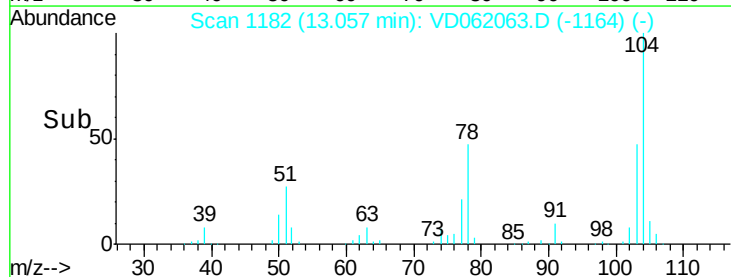
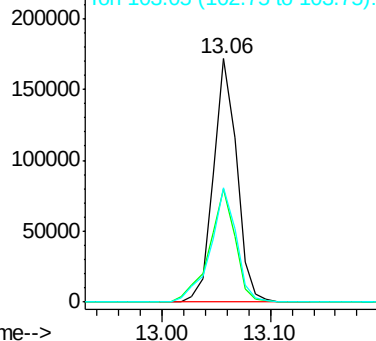


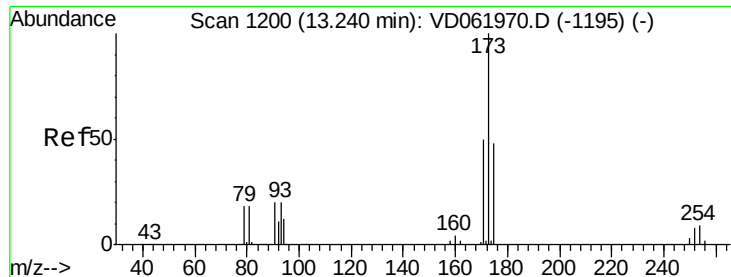
#70
Styrene
Concen: 19.965 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion:104 Resp: 256654
Ion Ratio Lower Upper
104 100
78 46.6 35.4 53.2
103 46.9 37.5 56.3



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





#71

Bromoform

Concen: 21.173 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBSD01

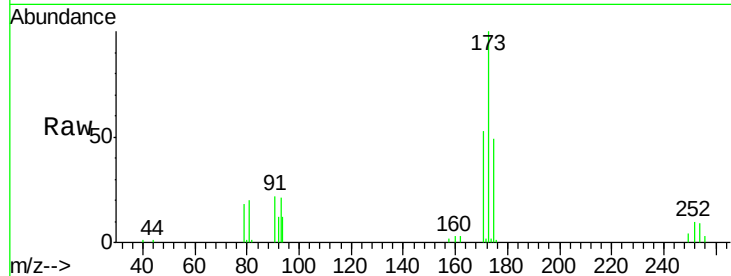
Tot Ion:173 Resp: 70625

Ion Ratio Lower Upper

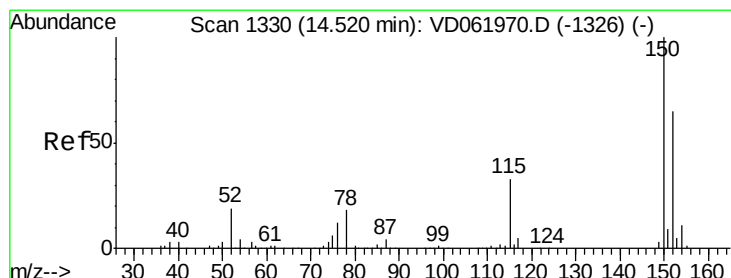
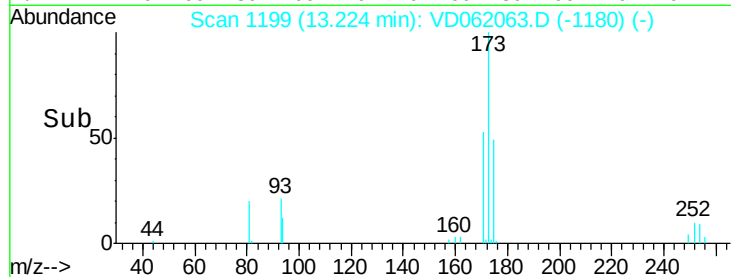
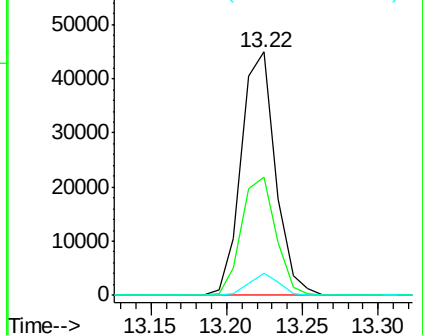
173 100

175 48.8 24.4 73.4

254 9.3 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: 14.50 min Scan# 1329

Delta R.T. -0.02 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

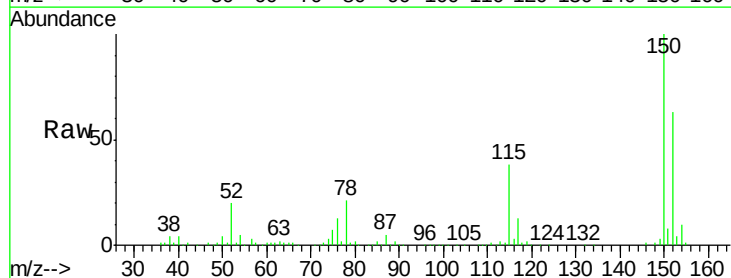
Tgt Ion:152 Resp: 379783

Ion Ratio Lower Upper

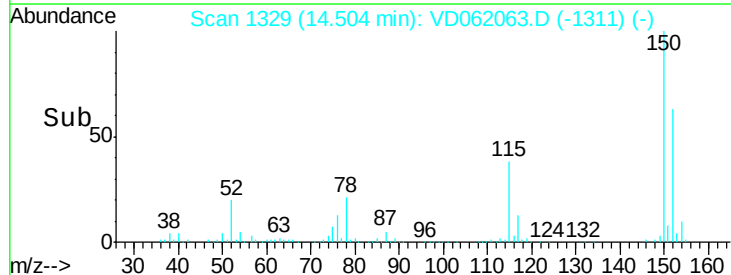
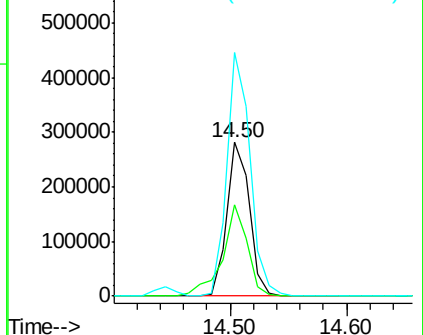
152 100

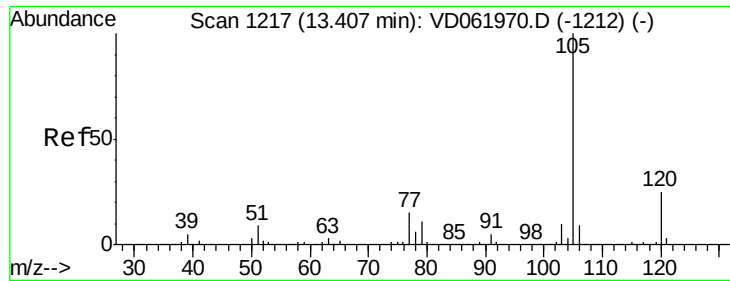
115 59.4 30.9 92.7

150 158.3 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: 16.998 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

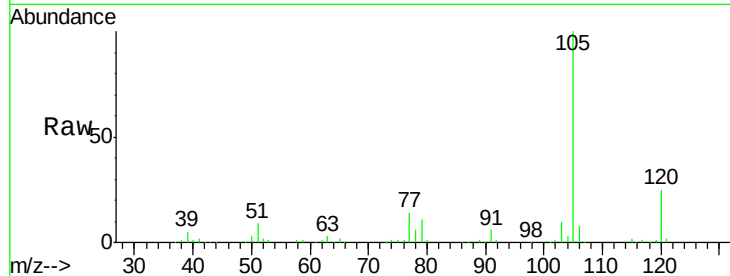
VD0429SBS01

Tot Ion:105 Resp: 430629

Ion Ratio Lower Upper

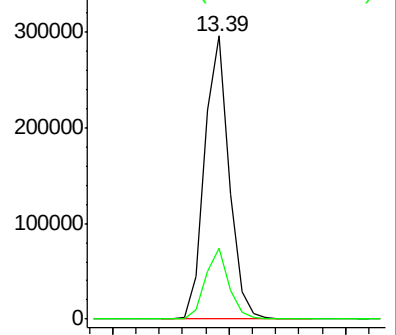
105 100

120 25.0 12.0 36.1

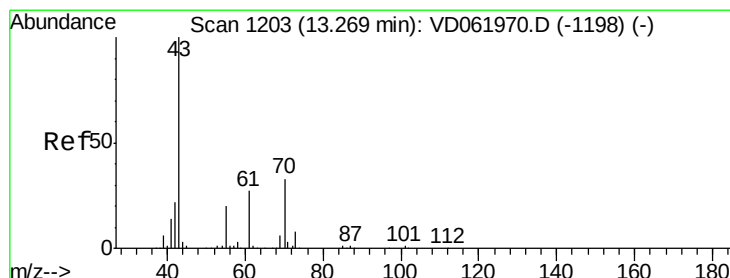
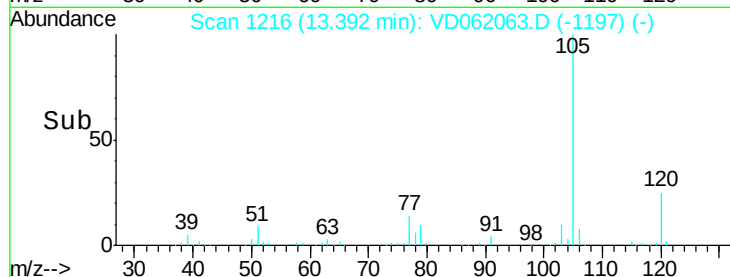


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 17.362 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Tgt Ion: 43 Resp: 113277

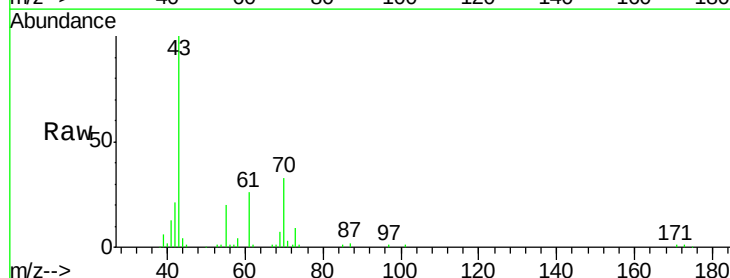
Ion Ratio Lower Upper

43 100

70 33.1 24.2 36.4

55 20.2 16.0 24.0

61 26.2 21.6 32.4

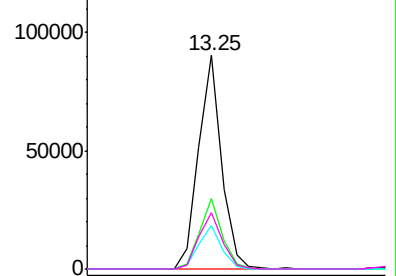


Abundance Ion 42.95 (42.65 to 43.65): V

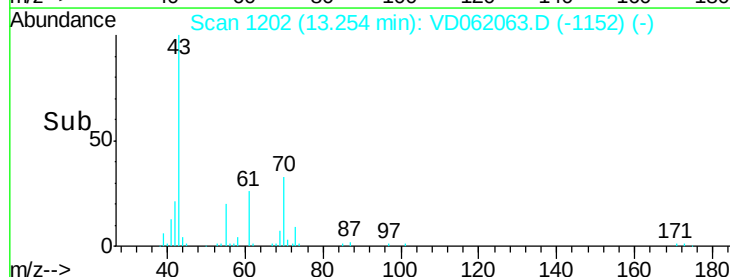
Ion 70.00 (69.70 to 70.70): V

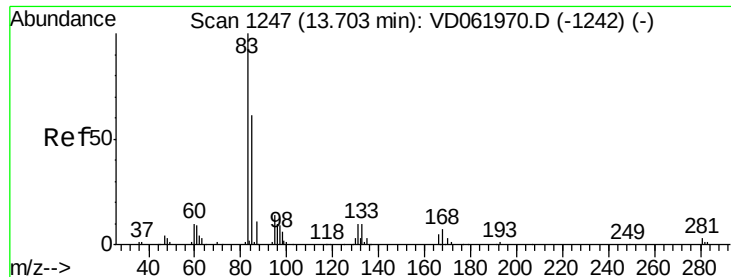
Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 16.709 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

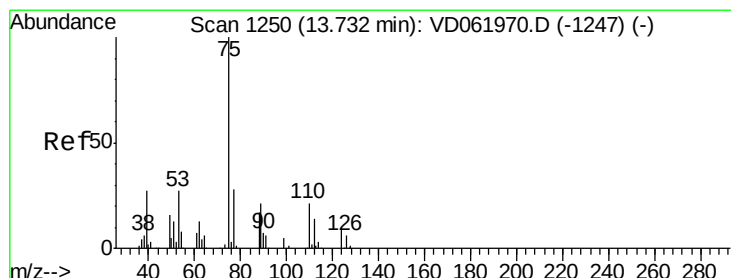
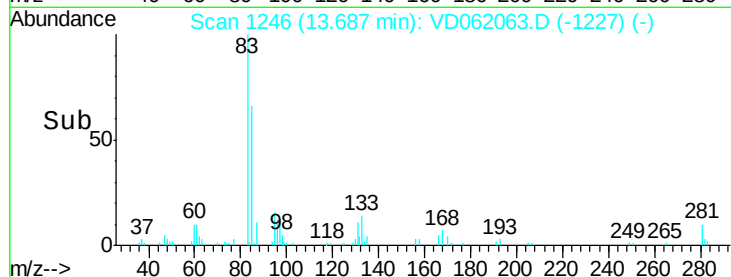
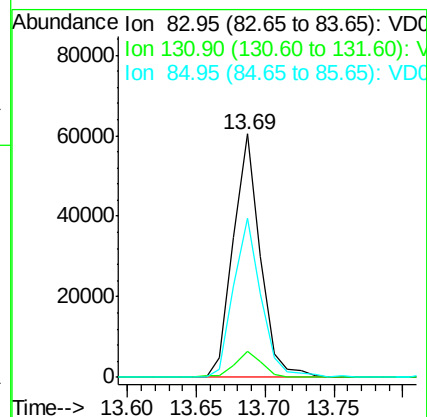
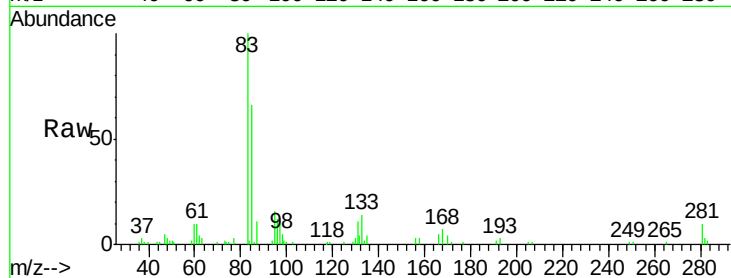
Tot Ion: 83 Resp: 82954

Ion Ratio Lower Upper

83 100

131 10.8 5.0 14.9

85 65.5 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 17.940 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.02 min

Lab File: VD062063.D

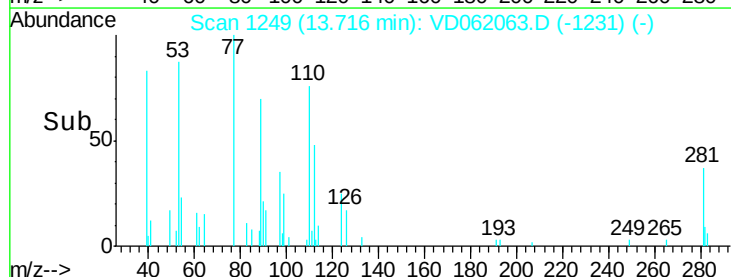
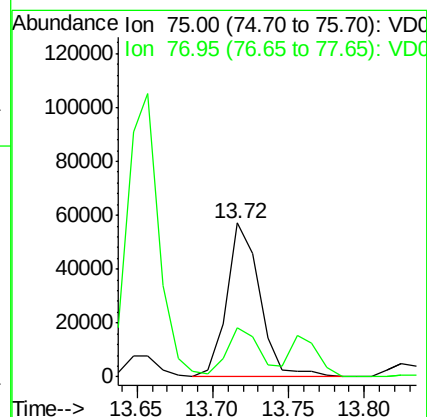
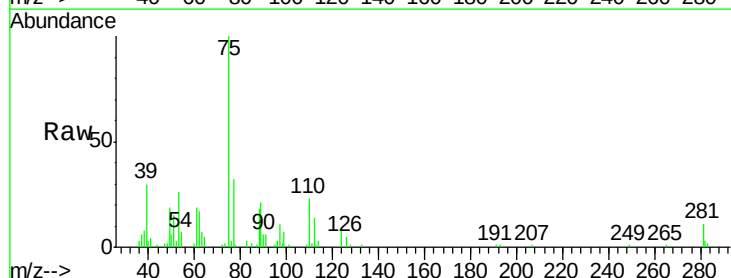
Acq: 29 Apr 2019 15:27

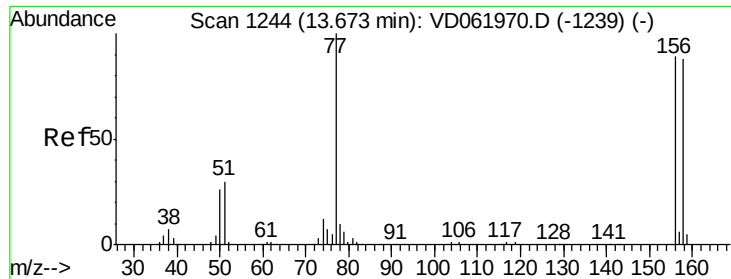
Tgt Ion: 75 Resp: 86518

Ion Ratio Lower Upper

75 100

77 31.6 16.4 49.4





#77

Bromobenzene

Concen: 17.255 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBSD01

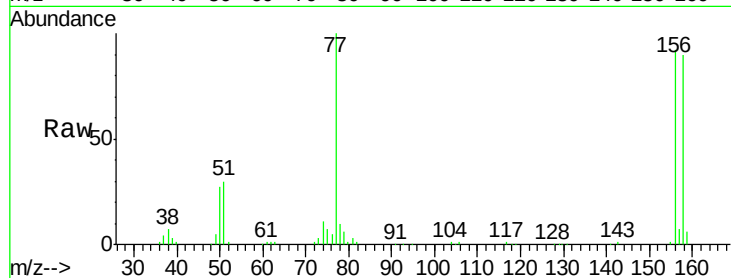
Tot Ion:156 Resp: 125400

Ion Ratio Lower Upper

156 100

77 108.8 53.1 159.4

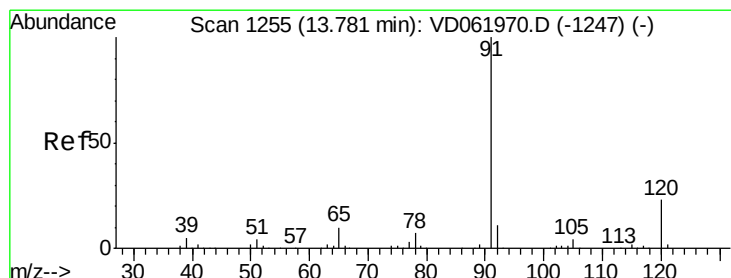
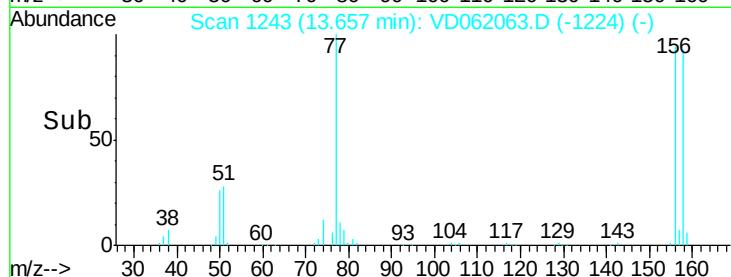
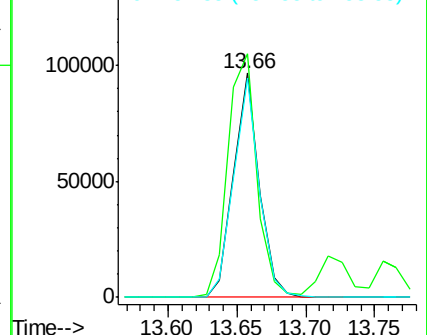
158 98.0 49.4 148.0



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: 19.497 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD062063.D

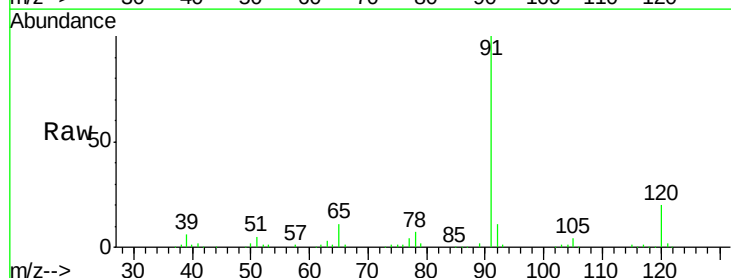
Acq: 29 Apr 2019 15:27

Tgt Ion: 91 Resp: 565457

Ion Ratio Lower Upper

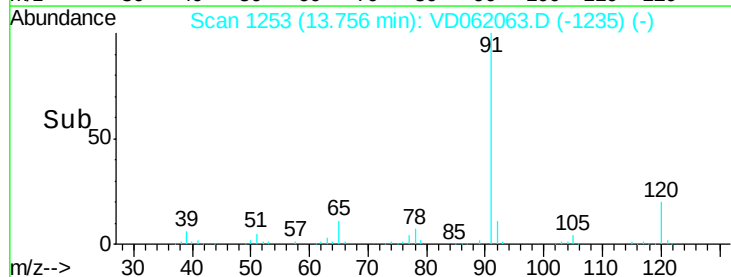
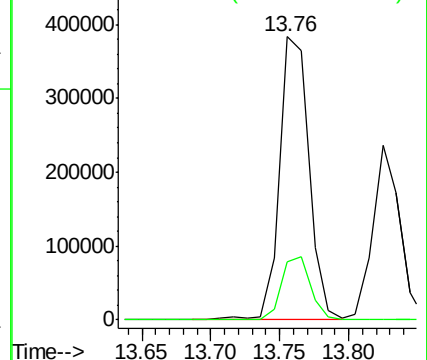
91 100

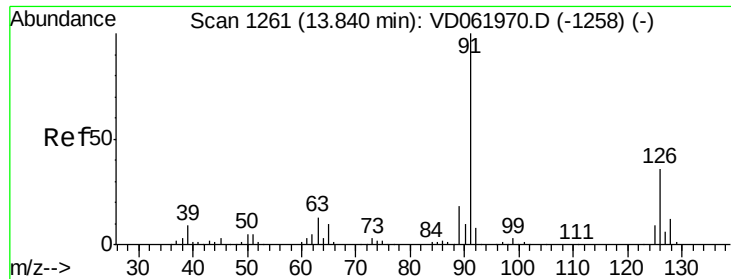
120 20.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

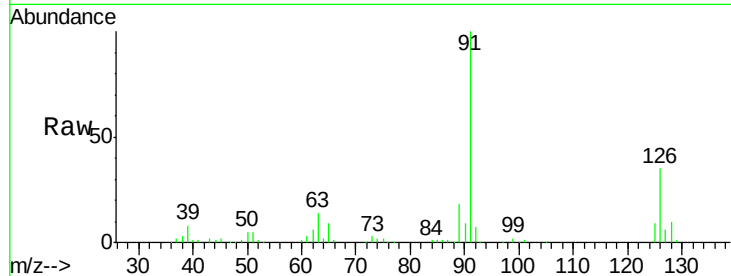




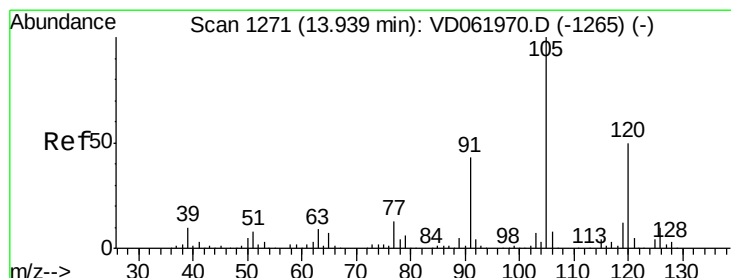
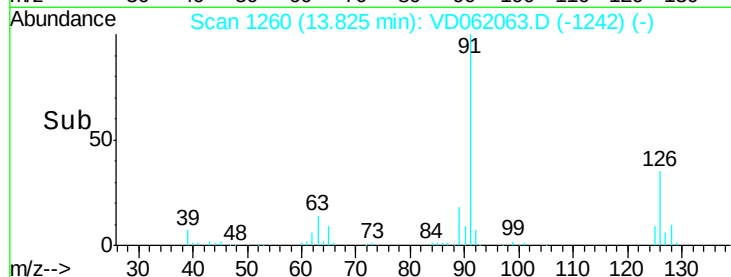
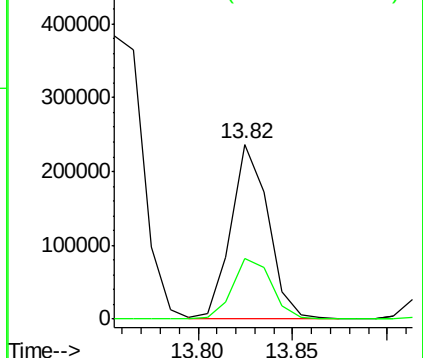
#79
2-Chlorotoluene
Concen: 18.311 ug/l
RT: 13.82 min Scan# 1260
Delta R.T. -0.02 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD0429SBSD01

Tot Ion: 91 Resp: 321666
Ion Ratio Lower Upper
91 100
126 34.7 18.6 55.8

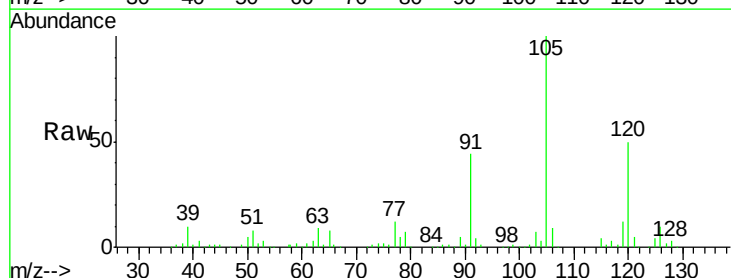


Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)
Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)

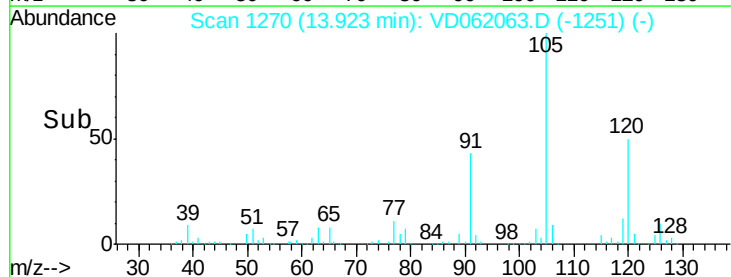
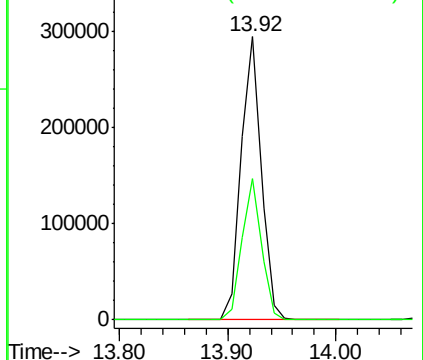


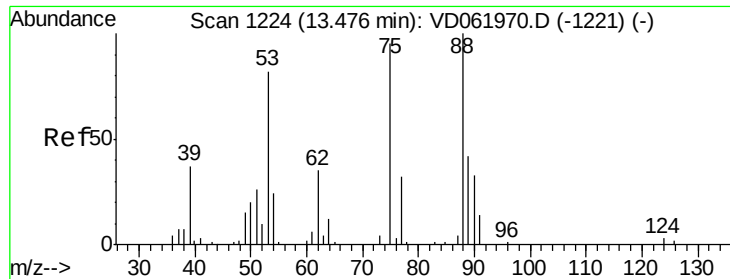
#80
1,3,5-Trimethylbenzene
Concen: 18.999 ug/l
RT: 13.92 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion: 105 Resp: 383783
Ion Ratio Lower Upper
105 100
120 50.0 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) (-)

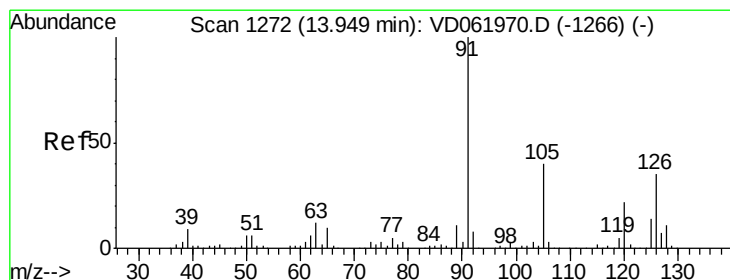
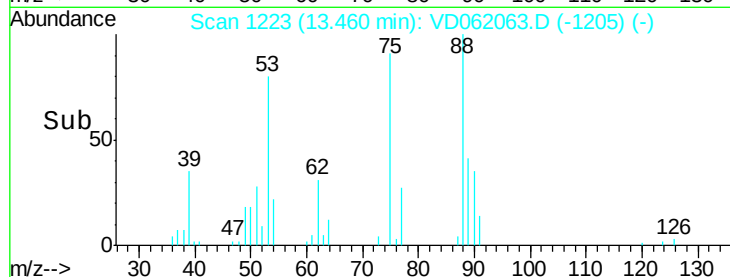
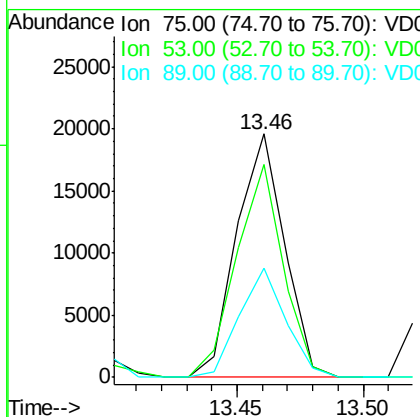
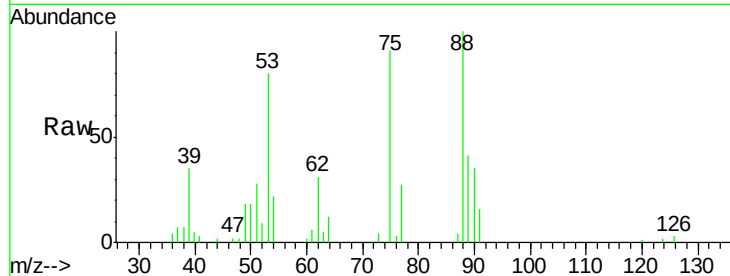




#81
trans-1,4-Dichloro-2-butene
Concen: 17.723 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.02 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

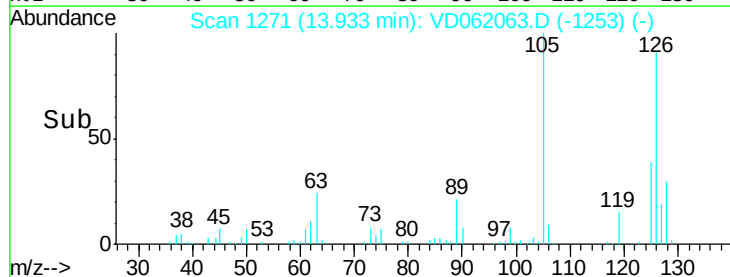
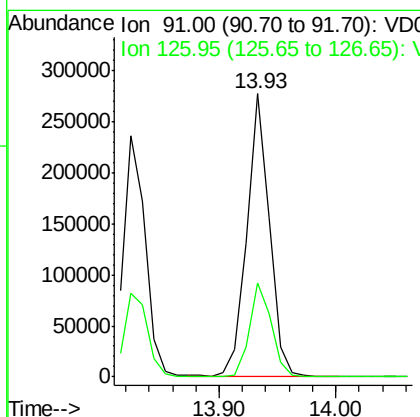
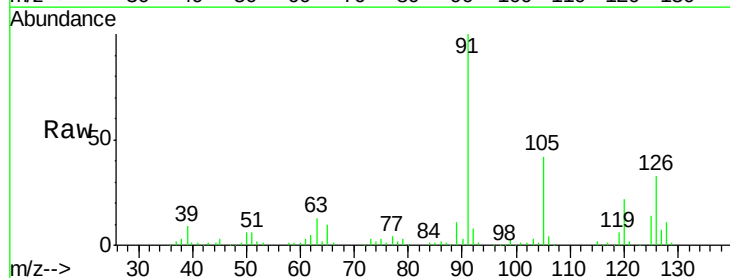
Instrument :
MSVOA_D
ClientSampleId :
VD0429SBSD01

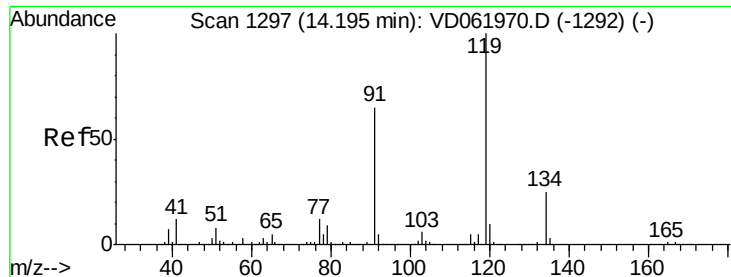
Tot Ion: 75 Resp: 25901
Ion Ratio Lower Upper
75 100
53 87.5 65.8 98.8
89 44.9 35.0 52.6



#82
4-Chlorotoluene
Concen: 19.183 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion: 91 Resp: 371103
Ion Ratio Lower Upper
91 100
126 33.4 19.1 57.5

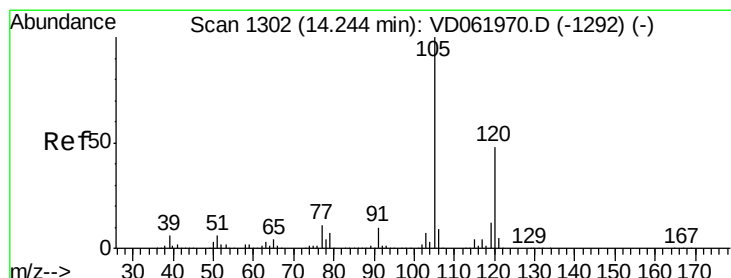
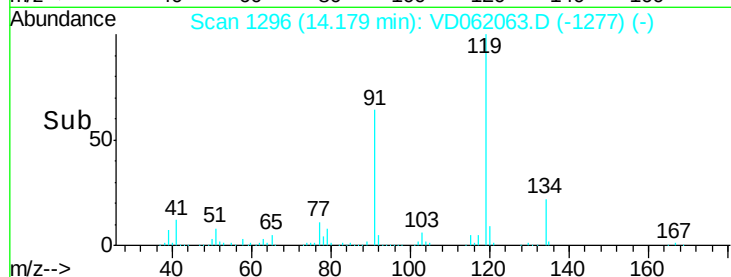
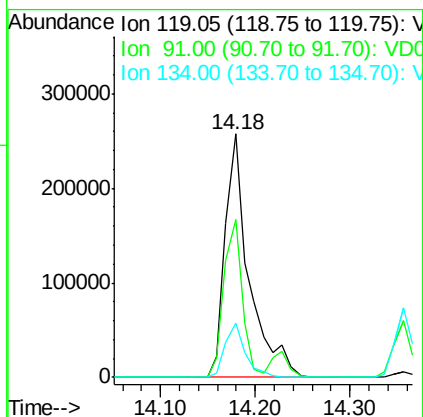
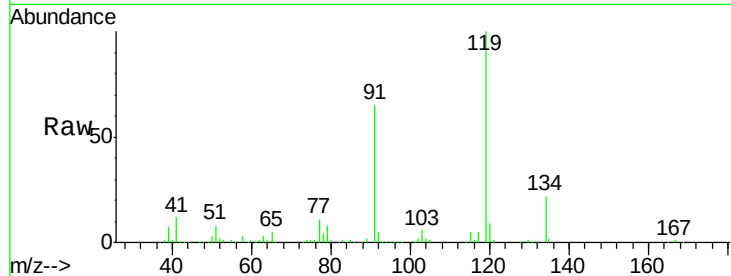




#83
 tert-Butylbenzene
 Concen: 19.197 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

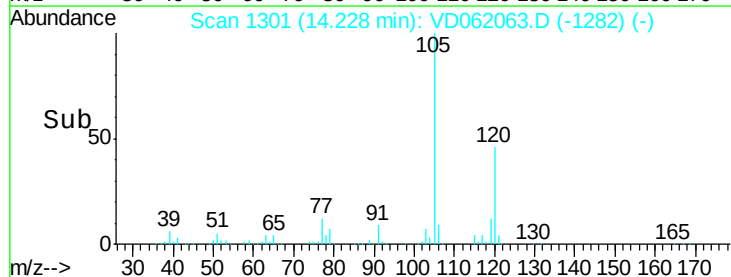
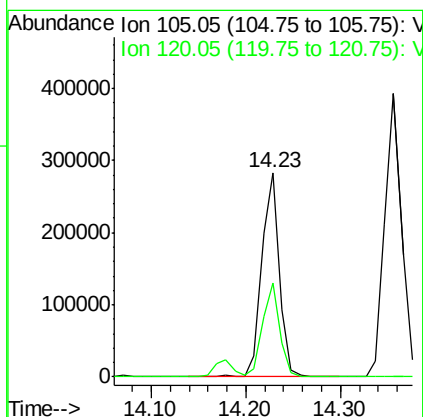
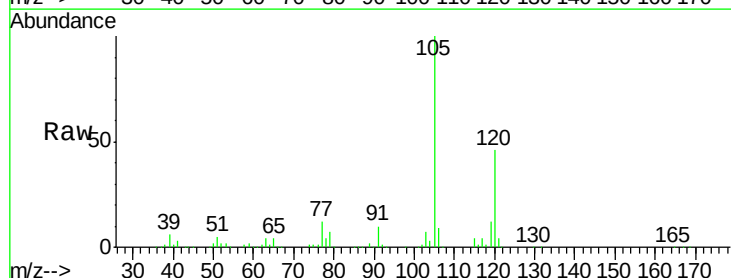
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBSD01

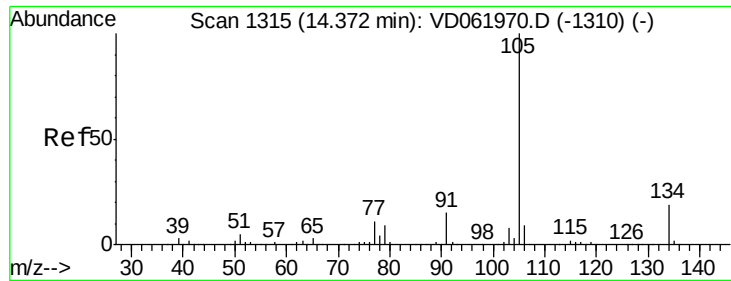
Tot Ion:119 Resp: 449234
 Ion Ratio Lower Upper
 119 100
 91 64.7 34.2 102.6
 134 22.4 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.161 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Tgt Ion:105 Resp: 369585
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 19.370 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

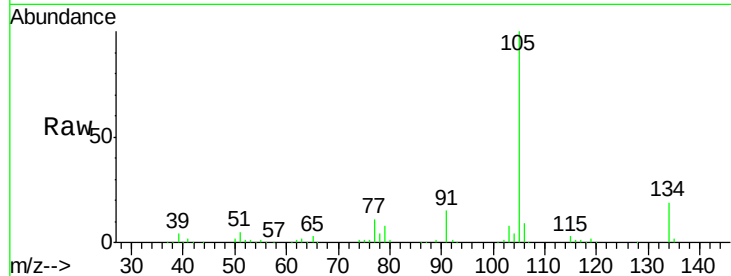
VD0429SBS01

Tot Ion:105 Resp: 489759

Ion Ratio Lower Upper

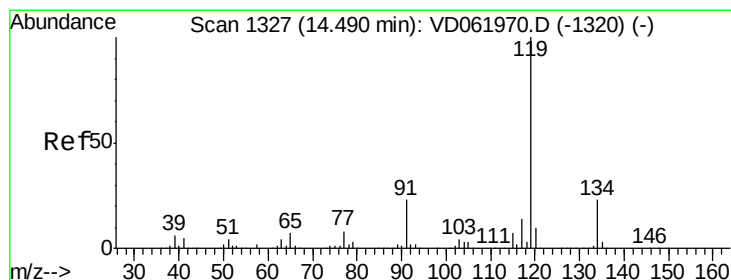
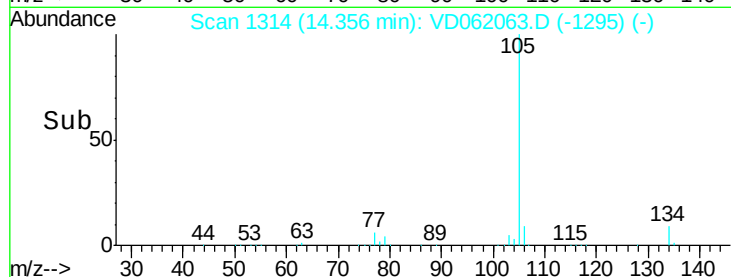
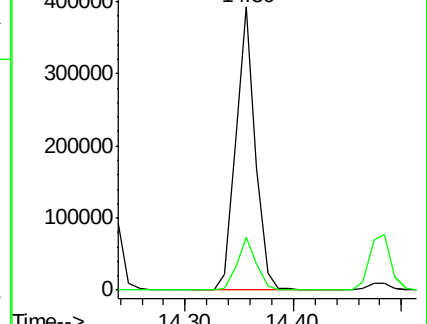
105 100

134 18.7 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 19.540 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

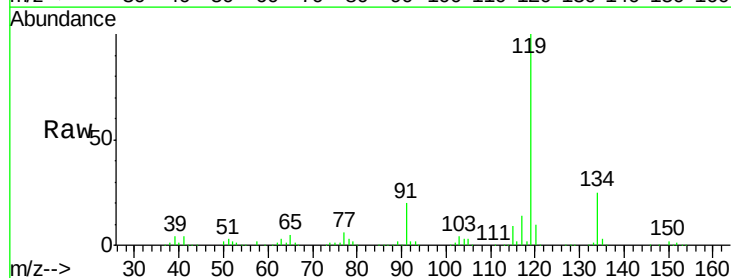
Tgt Ion:119 Resp: 442177

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

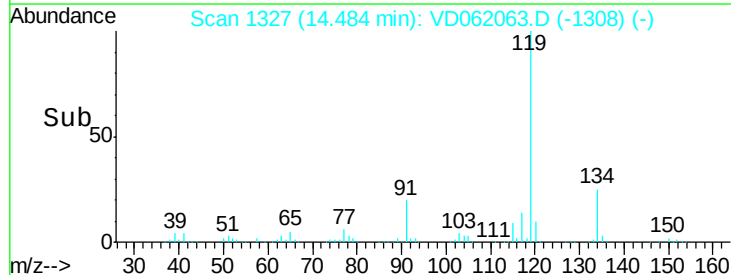
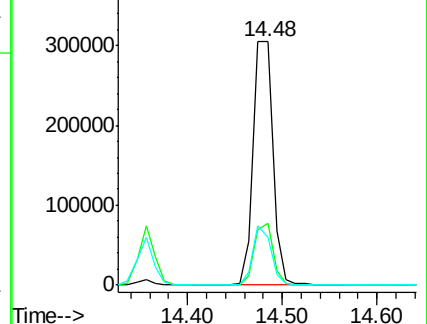
91 19.7 10.7 32.1

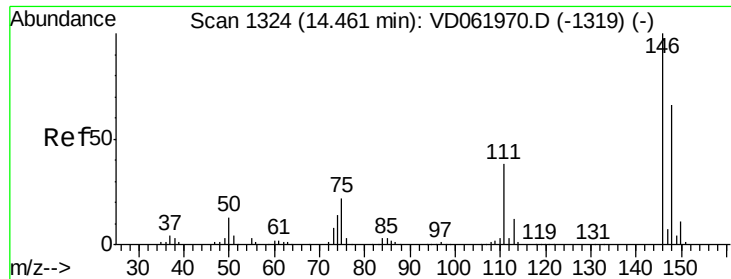


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

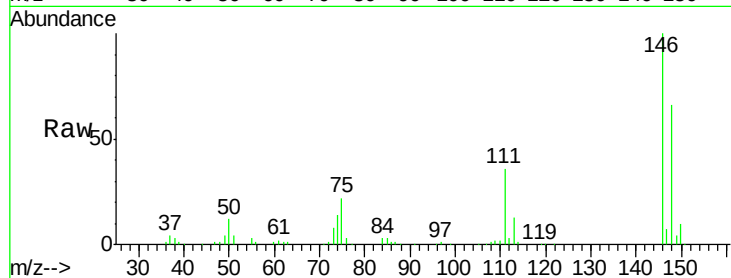




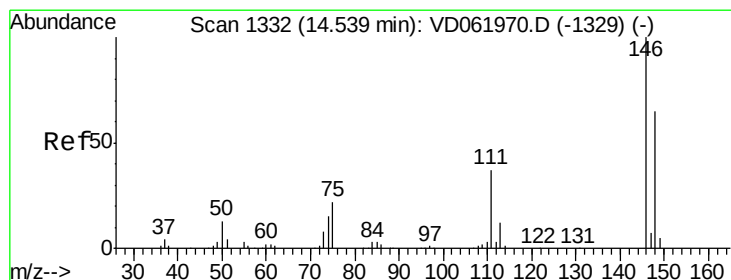
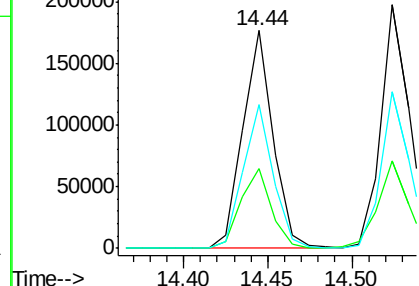
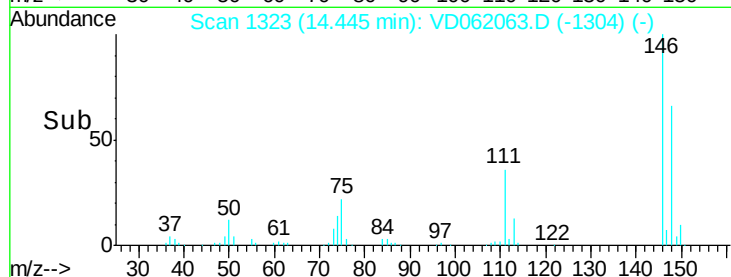
#87
 1,3-Dichlorobenzene
 Concen: 17.334 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	20.0	60.0
148	65.8	31.8	95.4

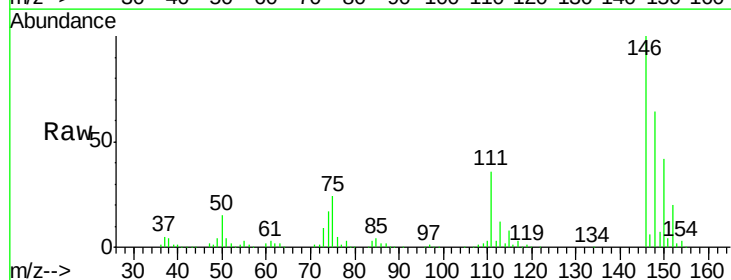


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

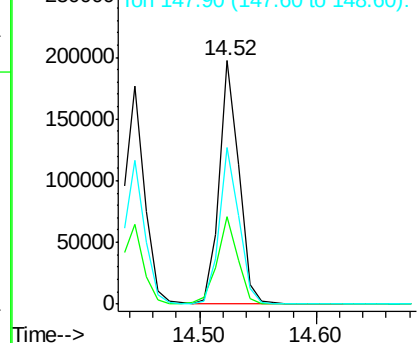
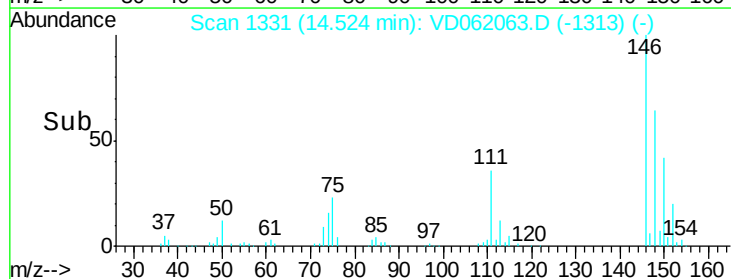


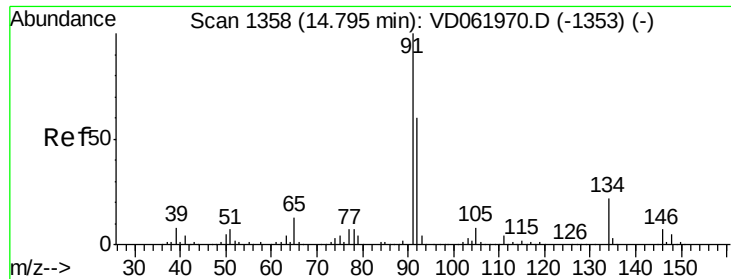
#88
 1,4-Dichlorobenzene
 Concen: 19.513 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	20.2	60.5
148	64.2	32.0	96.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.067 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD062063.D

Acq: 29 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0429SBS01

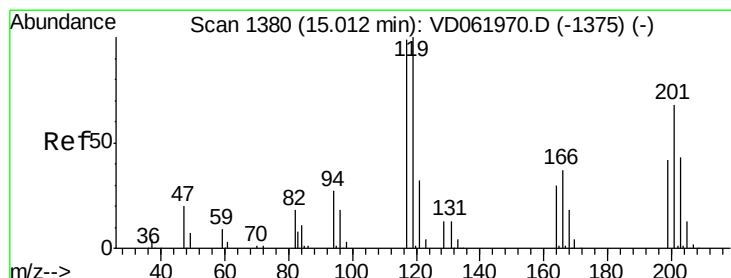
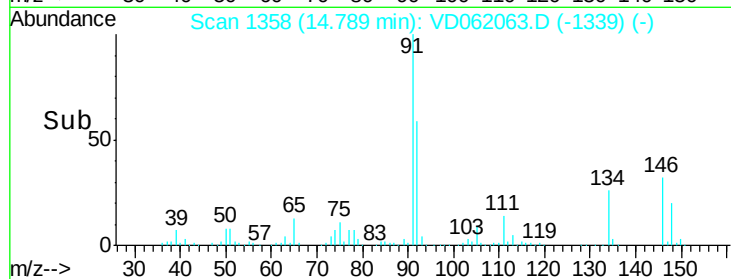
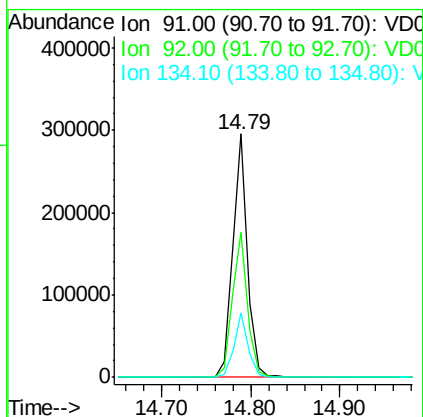
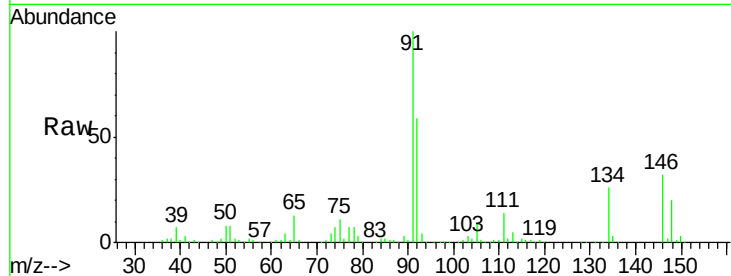
Tot Ion: 91 Resp: 346729

Ion Ratio Lower Upper

91 100

92 59.4 30.3 91.0

134 26.5 14.5 43.6



#90

Hexachloroethane

Concen: 18.215 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062063.D

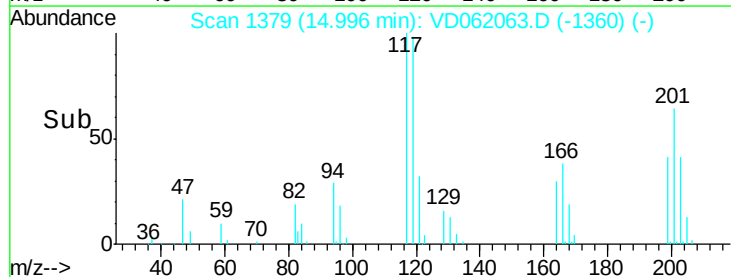
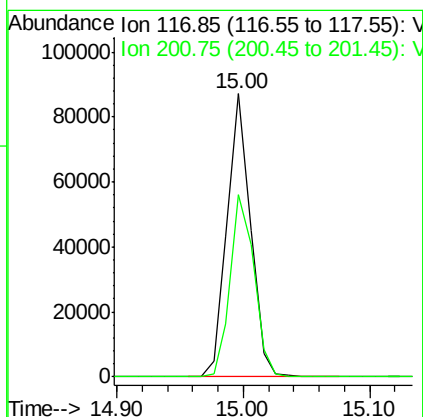
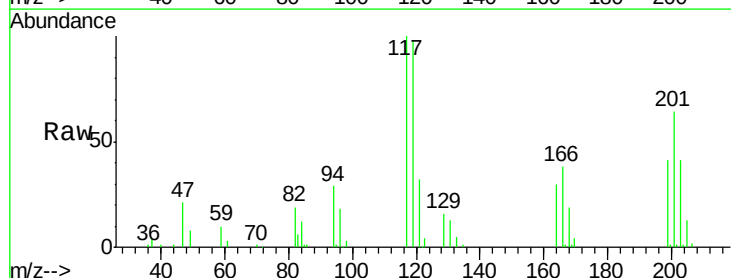
Acq: 29 Apr 2019 15:27

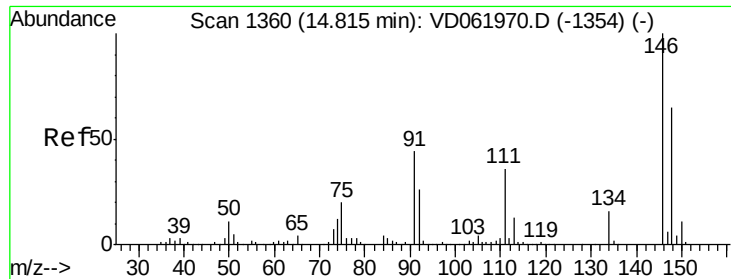
Tgt Ion: 117 Resp: 111458

Ion Ratio Lower Upper

117 100

201 64.2 30.2 90.6

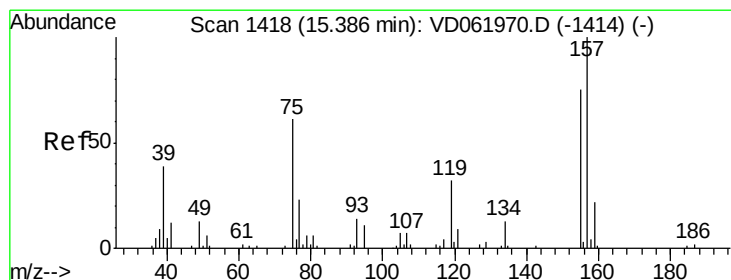
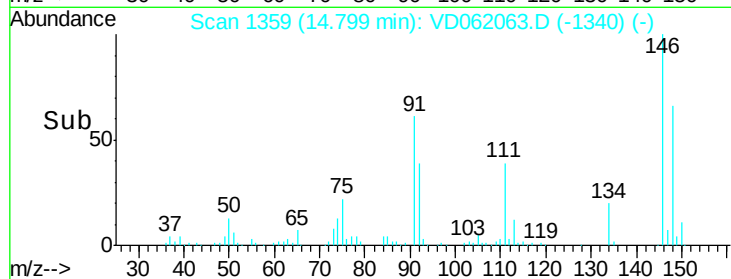
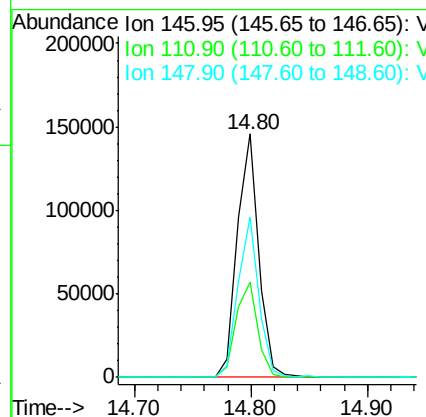
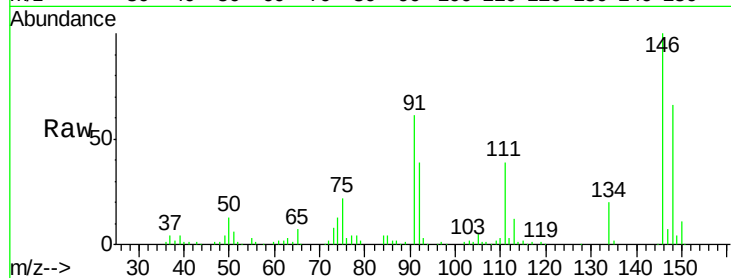




#91
 1,2-Dichlorobenzene
 Concen: 17.679 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

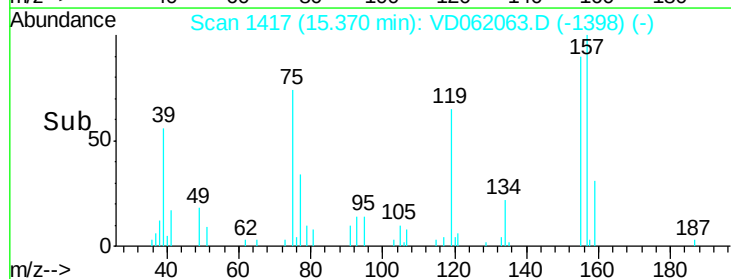
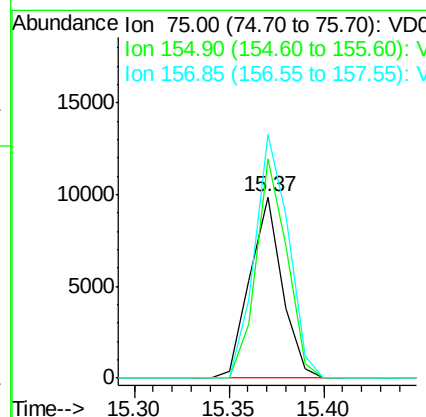
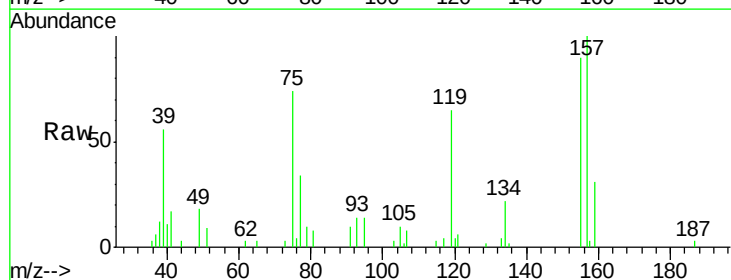
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBSD01

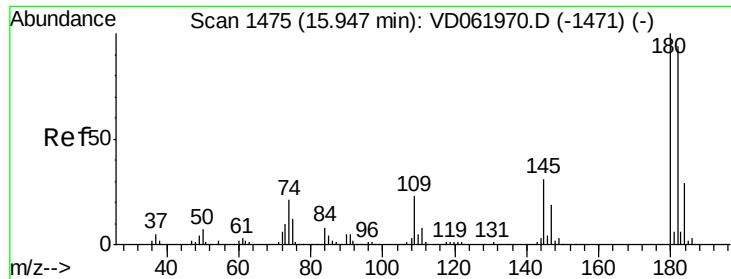
Tot Ion:146 Resp: 185599
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.0 59.9
 148 65.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.774 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Tgt Ion: 75 Resp: 11721
 Ion Ratio Lower Upper
 75 100
 155 120.9 55.3 165.8
 157 134.5 67.8 203.2

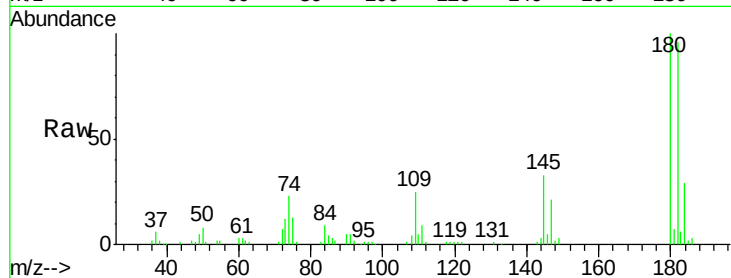




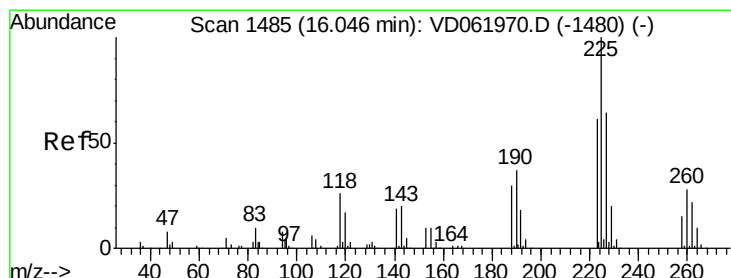
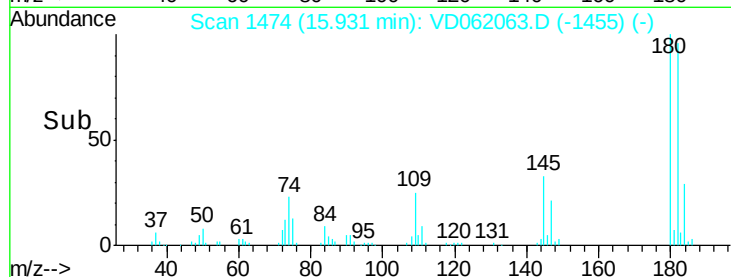
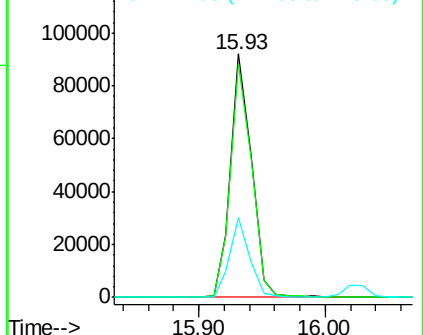
#93
 1,2,4-Trichlorobenzene
 Concen: 18.655 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

Tot Ion:180 Resp: 105670
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.3 147.8
 145 32.8 16.2 48.6

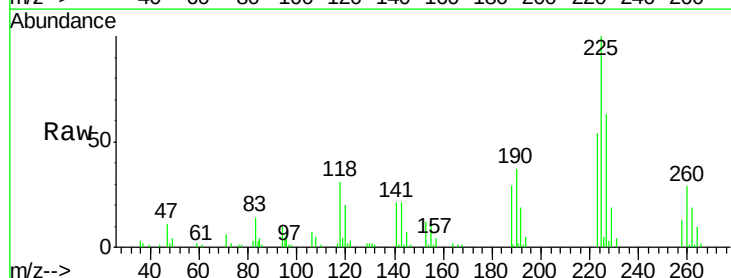


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

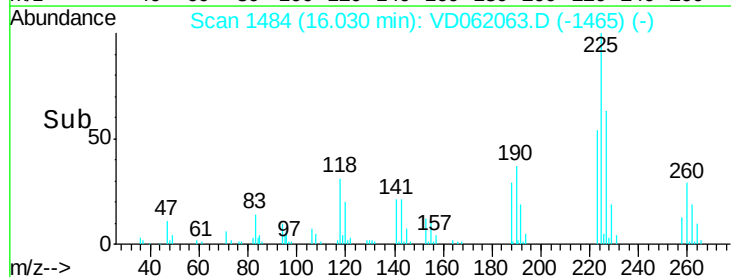
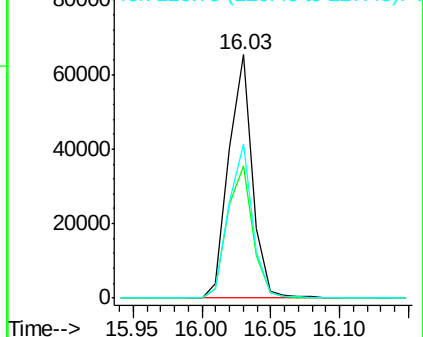


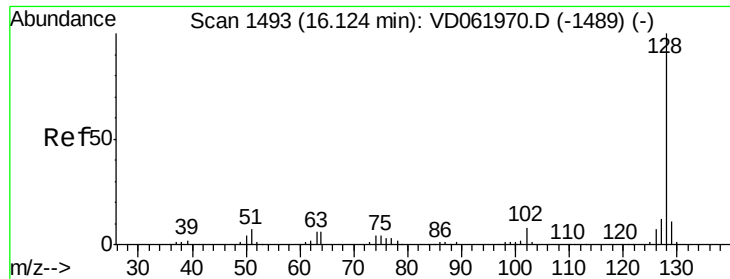
#94
 Hexachlorobutadiene
 Concen: 18.578 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062063.D
 Acq: 29 Apr 2019 15:27

Tgt Ion:225 Resp: 77877
 Ion Ratio Lower Upper
 225 100
 223 54.3 30.6 92.0
 227 63.5 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

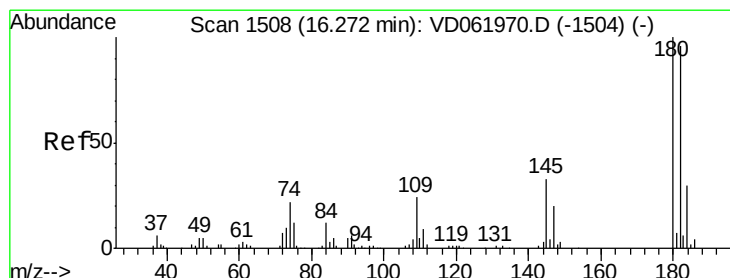
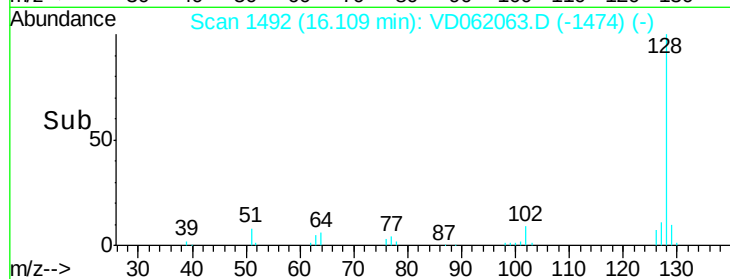
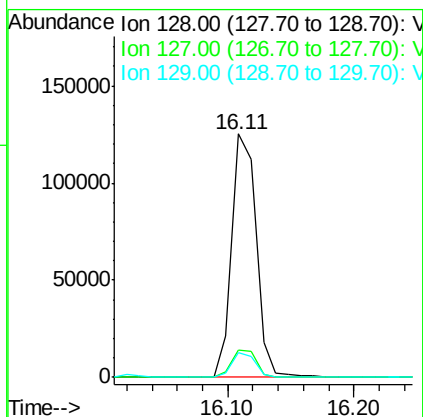
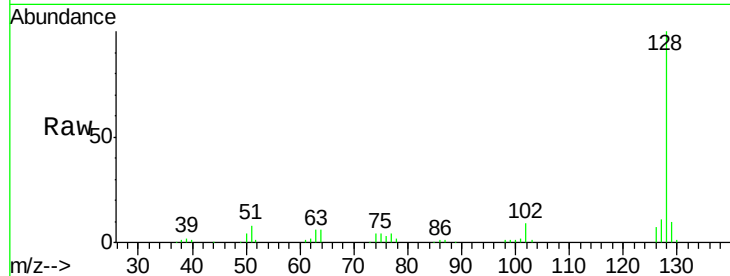




#95
Naphthalene
Concen: 18.220 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.02 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD0429SBSD01

Tot Ion:128 Resp: 166638
Ion Ratio Lower Upper
128 100
127 11.2 9.8 14.8
129 10.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.054 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062063.D
Acq: 29 Apr 2019 15:27

Tgt Ion:180 Resp: 58024
Ion Ratio Lower Upper
180 100
182 99.6 47.0 141.0
145 35.5 17.0 51.0

