

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041719\
 Data File : VD061850.D
 Acq On : 17 Apr 2019 14:03
 Operator : VA/AP
 Sample : VD0417SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Quant Time: Apr 17 14:37:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	612702	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	8.21	114	1012722	50.00	ug/l	-0.06
63) Chlorobenzene-d5	12.36	117	846648	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	14.52	152	387480	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	270753	52.73	ug/l	-0.06
Spiked Amount			Recovery	=	105.46%	
35) Dibromofluoromethane	6.92	113	383496	50.12	ug/l	-0.06
Spiked Amount			Recovery	=	100.24%	
50) Toluene-d8	10.40	98	974330	53.74	ug/l	-0.05
Spiked Amount			Recovery	=	107.48%	
62) 4-Bromofluorobenzene	13.55	95	366812	49.92	ug/l	-0.03
Spiked Amount			Recovery	=	99.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	108860	18.204	ug/l	99
3) Chloromethane	1.75	50	97037	20.361	ug/l	97
4) Vinyl Chloride	1.85	62	92270	19.508	ug/l	100
5) Bromomethane	2.14	94	20904	17.342	ug/l	86
6) Chloroethane	2.25	64	27326	16.935	ug/l	92
7) Trichlorofluoromethane	2.52	101	143010	18.642	ug/l	96
8) Diethyl Ether	2.86	74	42196	20.989	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.14	101	139256	20.359	ug/l	95
10) Methyl Iodide	3.30	142	182527	19.055	ug/l	99
11) Tert butyl alcohol	4.05	59	33364	110.176	ug/l	98
12) 1,1-Dichloroethene	3.12	96	117679	20.465	ug/l	91
13) Acrolein	3.03	56	35600	121.435	ug/l	98
14) Allyl chloride	3.61	41	159323	20.327	ug/l	99
15) Acrylonitrile	4.18	53	103357	108.719	ug/l	96
16) Acetone	3.21	43	128245	101.332	ug/l	96
17) Carbon Disulfide	3.36	76	362483	19.510	ug/l	100
18) Methyl Acetate	3.63	43	56469	22.261	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	222017	20.689	ug/l	100
20) Methylene Chloride	3.81	84	193191	28.762	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	123741	19.581	ug/l	94
22) Diisopropyl ether	5.10	45	362690	21.647	ug/l	96
23) Vinyl Acetate	5.05	43	981998	109.642	ug/l	100
24) 1,1-Dichloroethane	4.97	63	208854	20.560	ug/l	99
25) 2-Butanone	6.06	43	149993	104.101	ug/l	99
26) 2,2-Dichloropropane	6.01	77	177626	20.230	ug/l	97
27) cis-1,2-Dichloroethene	6.02	96	148254	21.641	ug/l	96
28) Bromochloromethane	6.43	49	81385	21.092	ug/l	98
29) Tetrahydrofuran	6.44	42	75212	107.162	ug/l	98
30) Chloroform	6.65	83	236052	20.834	ug/l	97
31) Cyclohexane	6.95	56	160876	20.688	ug/l	100
32) 1,1,1-Trichloroethane	6.86	97	197010	19.615	ug/l	97
36) 1,1-Dichloropropene	7.13	75	168123	20.316	ug/l	99
37) Ethyl Acetate	6.17	43	66819	18.865	ug/l #	93
38) Carbon Tetrachloride	7.10	117	193999	18.565	ug/l	97

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Quant Time: Apr 17 14:37:22 2019
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	170282	19.815	ug/l	98
40) Benzene	7.45	78	425601	21.422	ug/l	99
41) Methacrylonitrile	6.43	41	82767	19.771	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	139063	20.097	ug/l	97
43) Isopropyl Acetate	9.23	43	112275	22.526	ug/l	94
44) Trichloroethene	8.53	130	159816	20.896	ug/l	97
45) 1,2-Dichloropropane	8.93	63	113115	21.858	ug/l	94
46) Dibromomethane	9.05	93	74641	20.242	ug/l	87
47) Bromodichloromethane	9.37	83	166635	19.588	ug/l	96
48) Methyl methacrylate	9.11	41	60560	20.670	ug/l	92
49) 1,4-Dioxane	9.07	88	14125	441.086	ug/l	95
51) 4-Methyl-2-Pentanone	10.28	43	336495	110.397	ug/l	96
52) Toluene	10.50	92	253524	19.913	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	151696	19.790	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	184739	20.531	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	94094	21.932	ug/l	99
56) Ethyl methacrylate	11.03	69	104205	22.131	ug/l	96
57) 1,3-Dichloropropane	11.40	76	142807	22.141	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.84	63	247957	110.713	ug/l	99
59) 2-Hexanone	11.53	43	231820	102.400	ug/l	100
60) Dibromochloromethane	11.67	129	136919	19.505	ug/l	95
61) 1,2-Dibromoethane	11.80	107	110782	21.000	ug/l	93
64) Tetrachloroethene	11.25	164	120014	18.901	ug/l	98
65) Chlorobenzene	12.39	112	312695	19.832	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	134639	20.376	ug/l	95
67) Ethyl Benzene	12.52	91	507813	20.111	ug/l	99
68) m/p-Xylenes	12.66	106	376502	39.695	ug/l	100
69) o-Xylene	13.04	106	185535	20.811	ug/l	97
70) Styrene	13.06	104	326782	21.301	ug/l	99
71) Bromoform	13.23	173	74713	19.049	ug/l	98
73) Isopropylbenzene	13.40	105	465881	18.539	ug/l	97
74) N-amyl acetate	13.26	43	144344	21.361	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	109359	22.016	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	104800	20.595	ug/l	96
77) Bromobenzene	13.66	156	146971	20.589	ug/l	87
78) n-propylbenzene	13.77	91	594016	20.460	ug/l	100
79) 2-Chlorotoluene	13.84	91	326997	19.280	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	405749	20.349	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	26609	18.383	ug/l	88
82) 4-Chlorotoluene	13.94	91	388790	20.027	ug/l	89
83) tert-Butylbenzene	14.18	119	464654	19.847	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	415431	20.727	ug/l	98
85) sec-Butylbenzene	14.36	105	487239	20.131	ug/l	98
86) p-Isopropyltoluene	14.49	119	436315	19.267	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	251391	20.173	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	234158	19.009	ug/l	99
89) n-Butylbenzene	14.79	91	404650	20.187	ug/l	96
90) Hexachloroethane	15.00	117	120906	19.589	ug/l	94
91) 1,2-Dichlorobenzene	14.80	146	214402	20.540	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	13404	22.279	ug/l	90

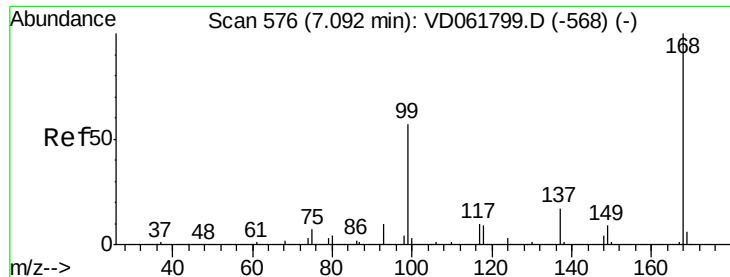
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041719\
Data File : VD061850.D
Acq On : 17 Apr 2019 14:03
Operator : VA/AP
Sample : VD0417SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
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Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	121517	21.195	ug/l	96
94) Hexachlorobutadiene	16.03	225	81305	19.569	ug/l	97
95) Naphthalene	16.12	128	172578	19.639	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	62356	19.086	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

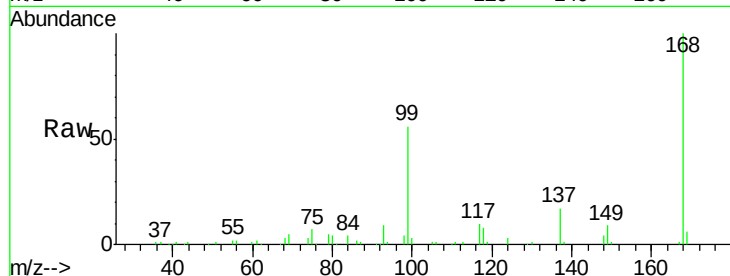
VD0417SBS01

Tot Ion:168 Resp: 612702

Ion Ratio Lower Upper

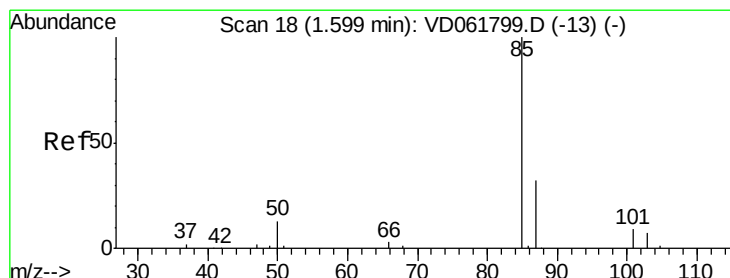
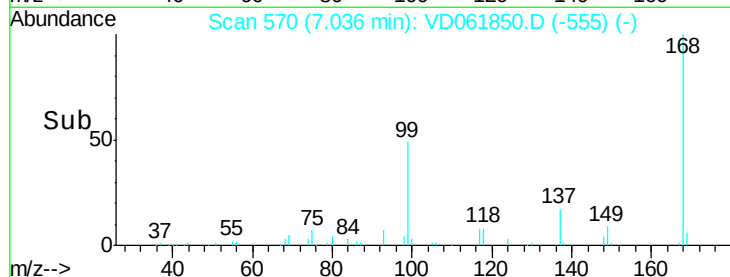
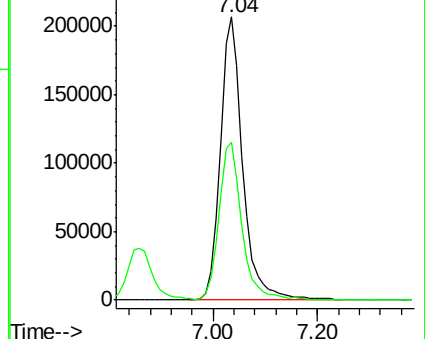
168 100

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: 18.204 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.03 min

Lab File: VD061850.D

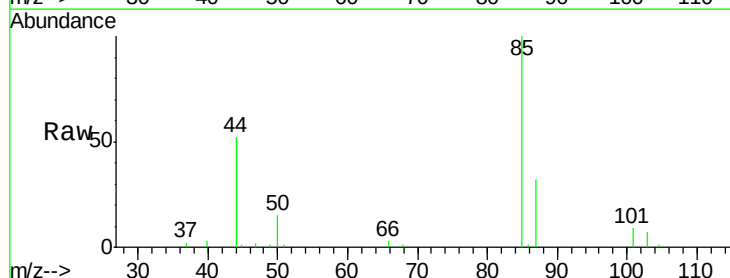
Acq: 17 Apr 2019 14:03

Tgt Ion: 85 Resp: 108860

Ion Ratio Lower Upper

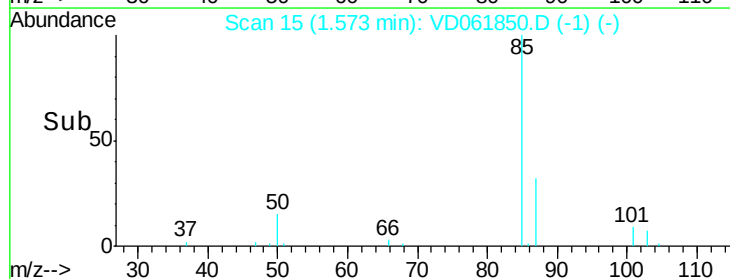
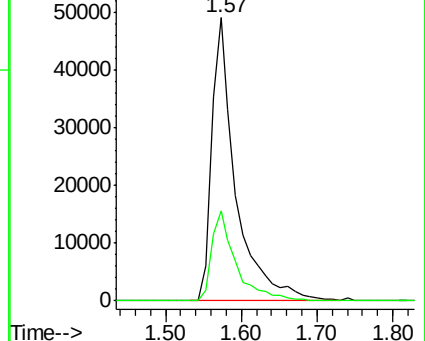
85 100

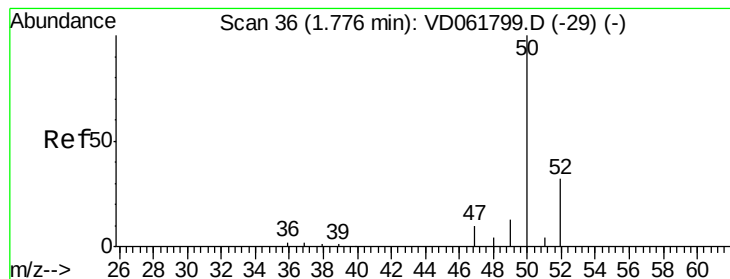
87 31.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.361 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.03 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

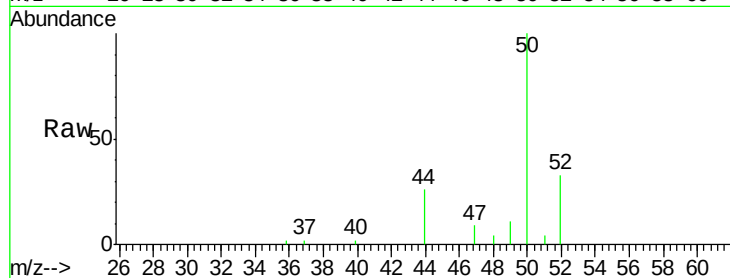
VD0417SBS01

Tot Ion: 50 Resp: 97037

Ion Ratio Lower Upper

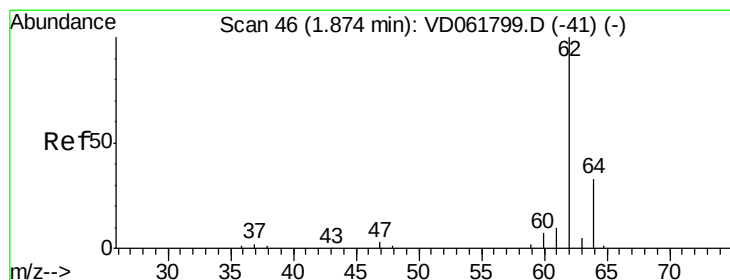
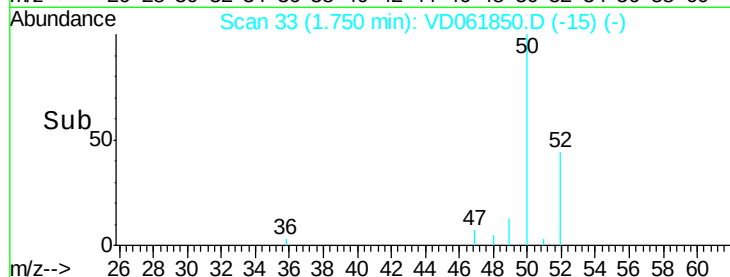
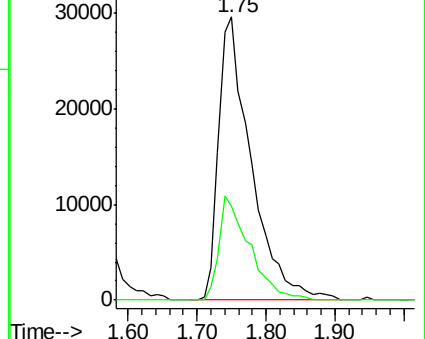
50 100

52 33.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.508 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.03 min

Lab File: VD061850.D

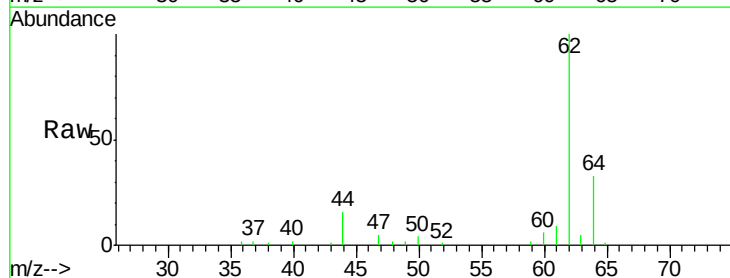
Acq: 17 Apr 2019 14:03

Tgt Ion: 62 Resp: 92270

Ion Ratio Lower Upper

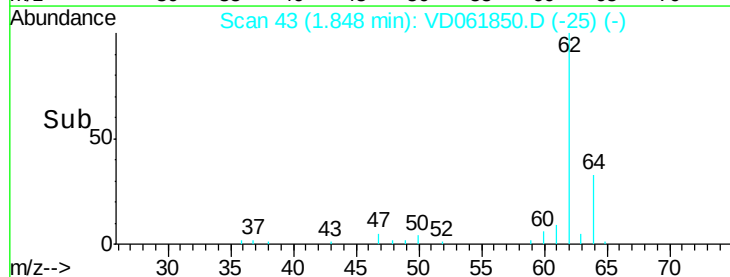
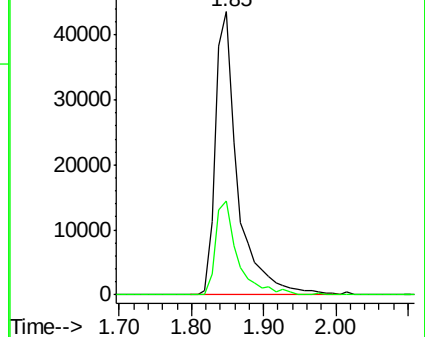
62 100

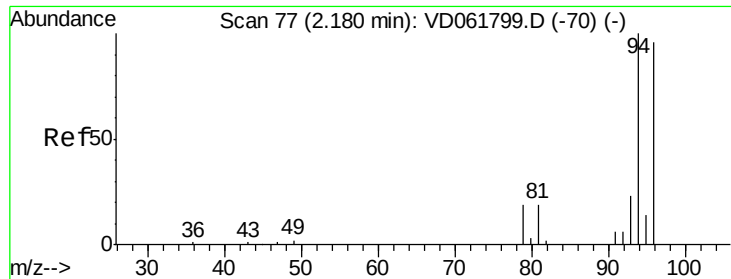
64 33.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.342 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.04 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

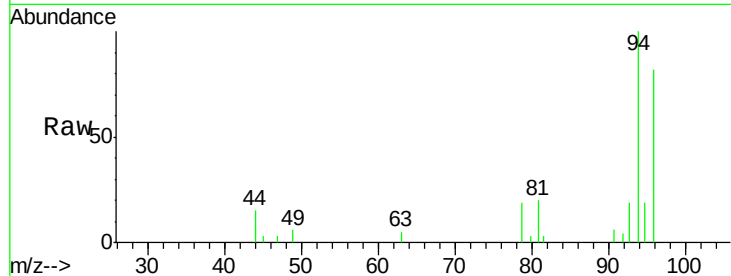
Tot Ion: 94 Resp: 20904

Ion Ratio Lower Upper

94 100

96 81.5 76.6 115.0

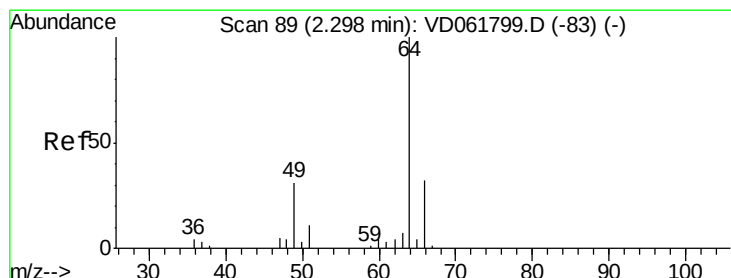
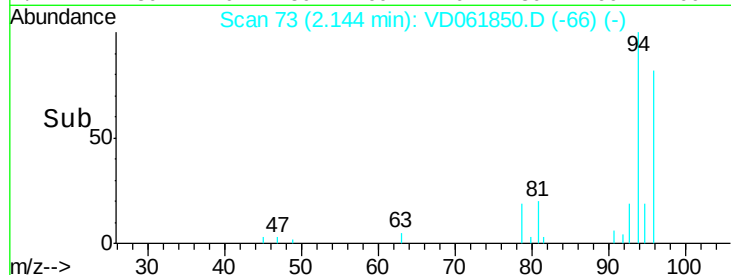
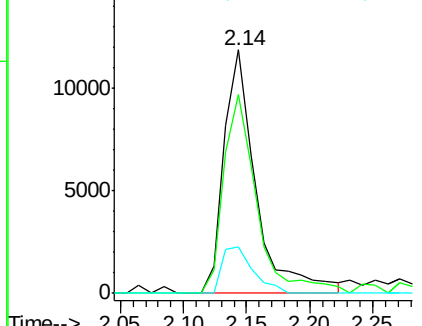
93 18.9 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 16.935 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.05 min

Lab File: VD061850.D

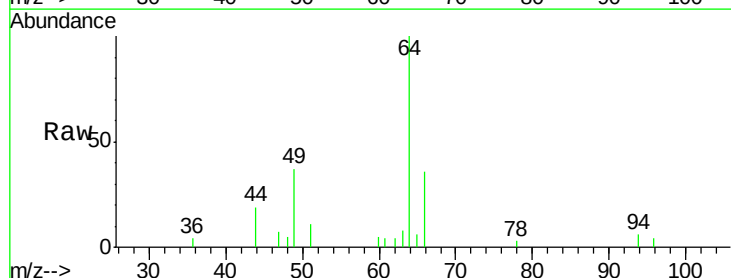
Acq: 17 Apr 2019 14:03

Tgt Ion: 64 Resp: 27326

Ion Ratio Lower Upper

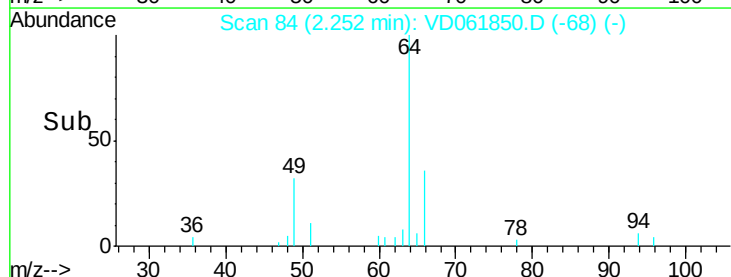
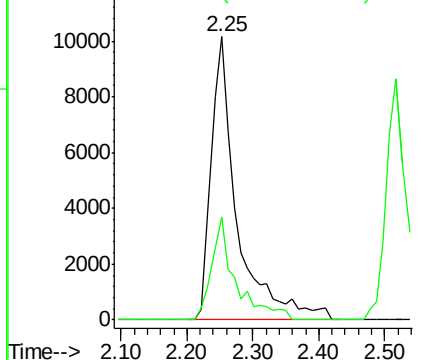
64 100

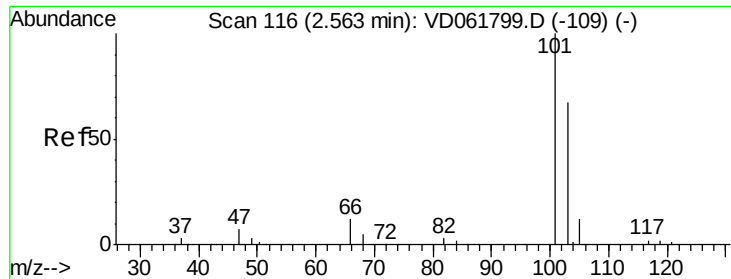
66 36.2 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



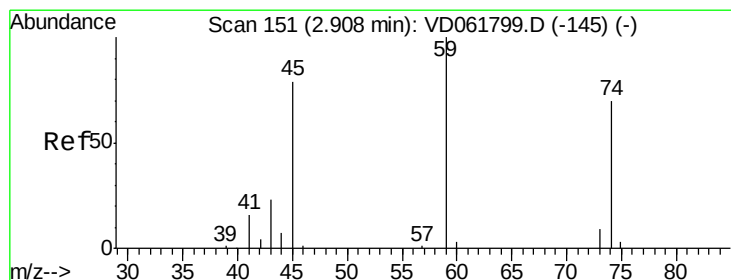
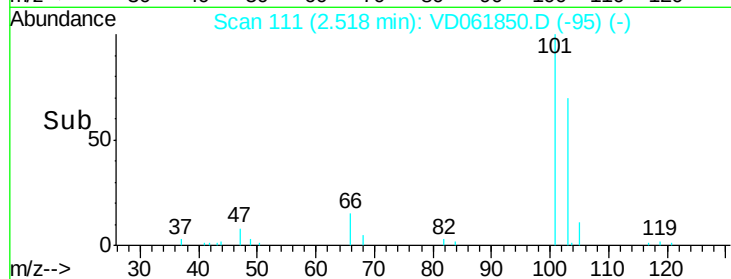
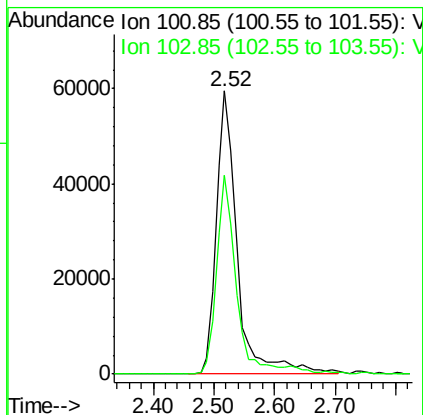
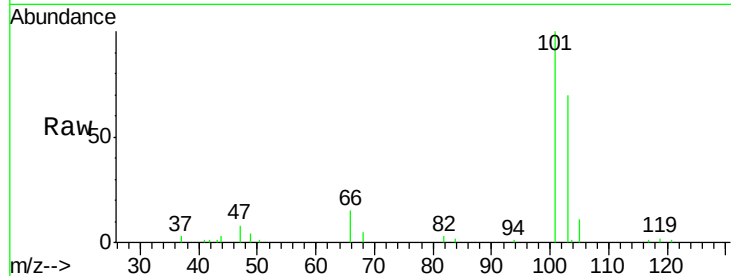


#7

Trichlorofluoromethane
 Concen: 18.642 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.05 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBSD01

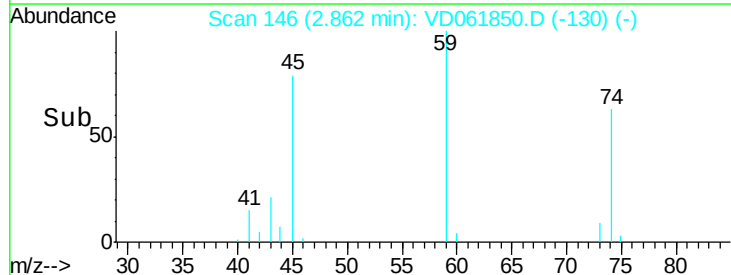
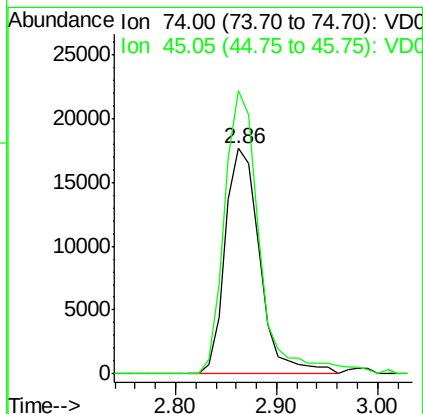
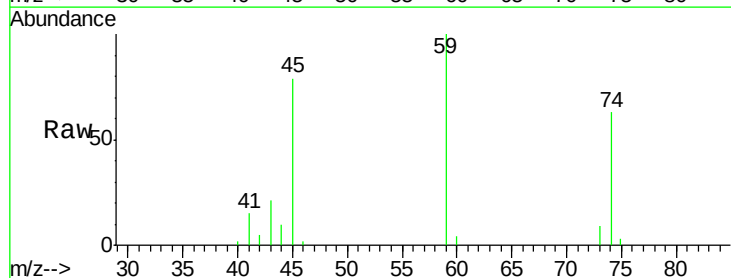
Tot Ion: 101 Resp: 143010
 Ion Ratio Lower Upper
 101 100
 103 70.1 53.6 80.4

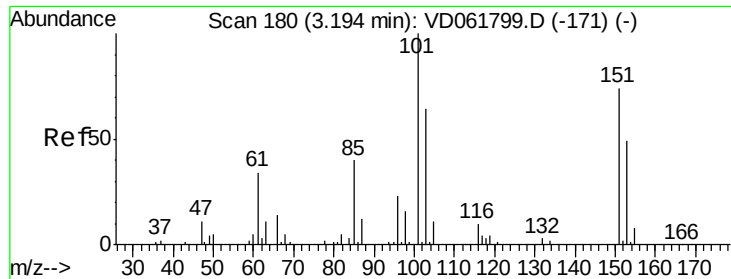


#8

Diethyl Ether
 Concen: 20.989 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.05 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

Tgt Ion: 74 Resp: 42196
 Ion Ratio Lower Upper
 74 100
 45 125.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.359 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.06 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

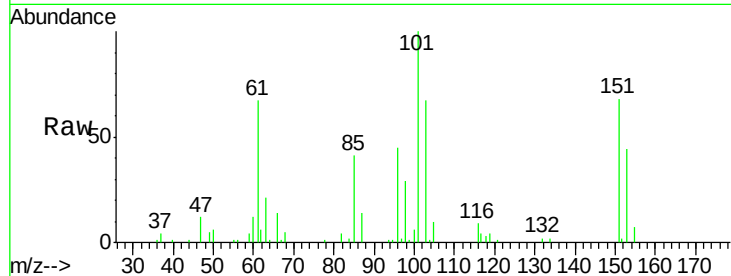
Tot Ion:101 Resp: 139256

Ion Ratio Lower Upper

101 100

85 41.3 32.4 48.6

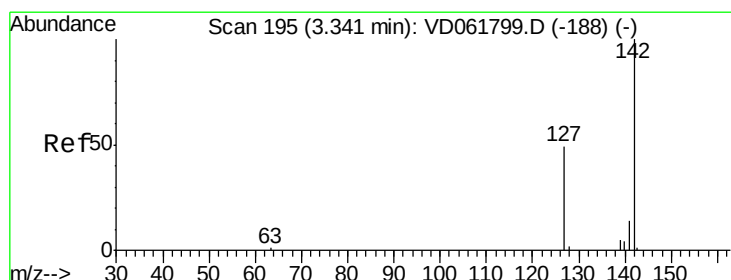
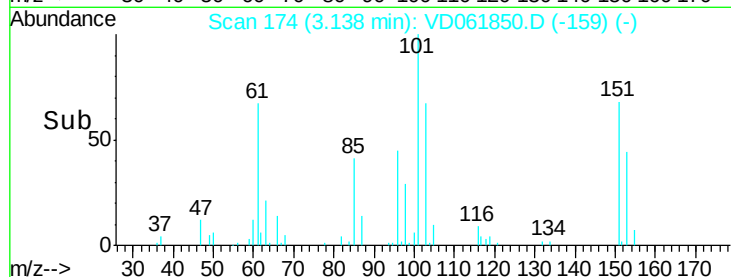
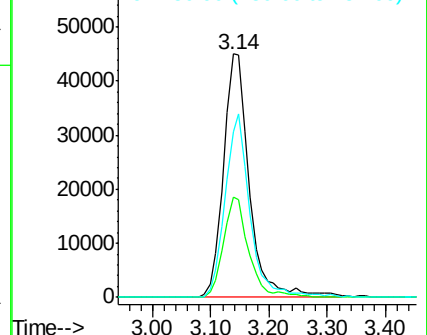
151 67.7 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.055 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.05 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

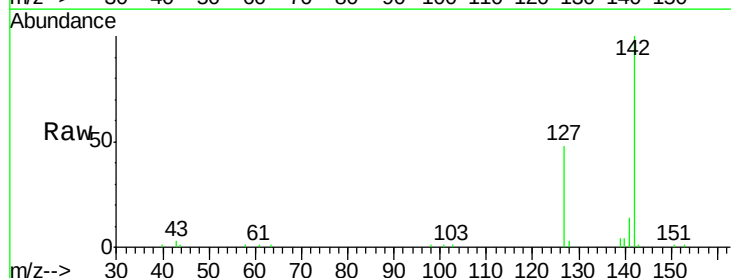
Tgt Ion:142 Resp: 182527

Ion Ratio Lower Upper

142 100

127 47.8 38.8 58.2

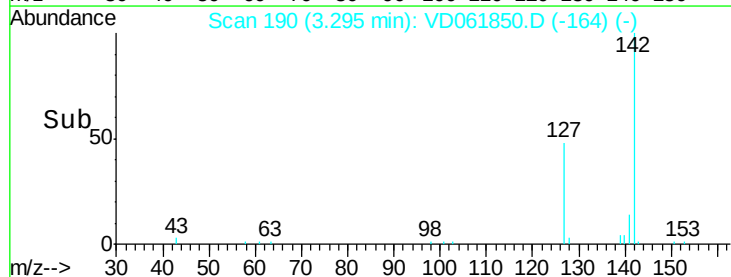
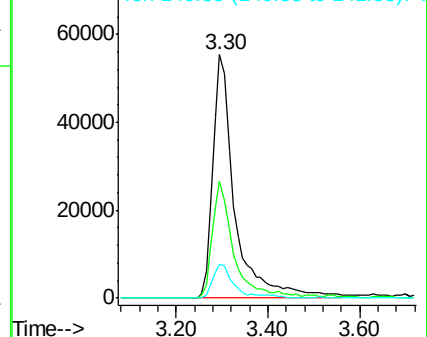
141 13.7 11.4 17.0

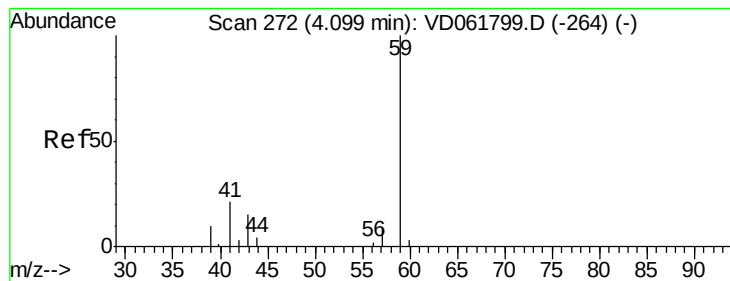


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



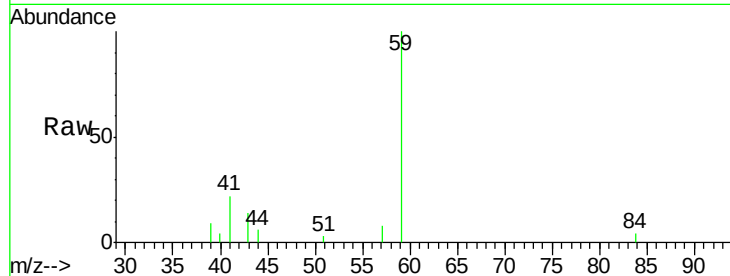


#11

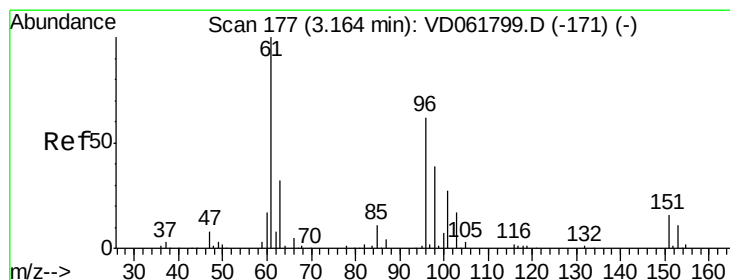
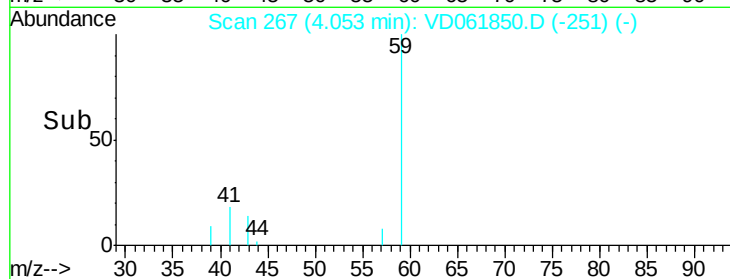
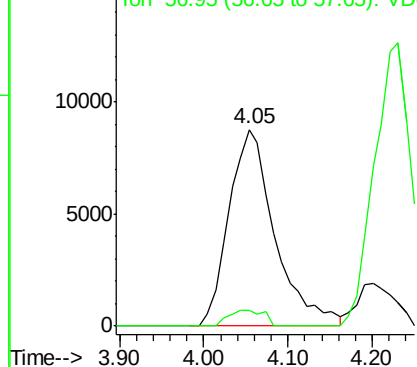
Tert butyl alcohol
 Concen: 110.176 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. -0.05 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBSD01

Tot Ion: 59 Resp: 33364
 Ion Ratio Lower Upper
 59 100
 57 7.8 6.9 10.3



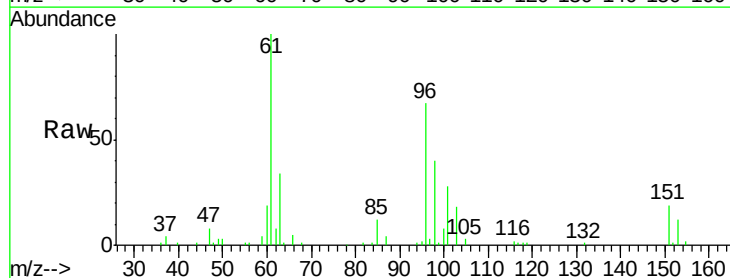
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



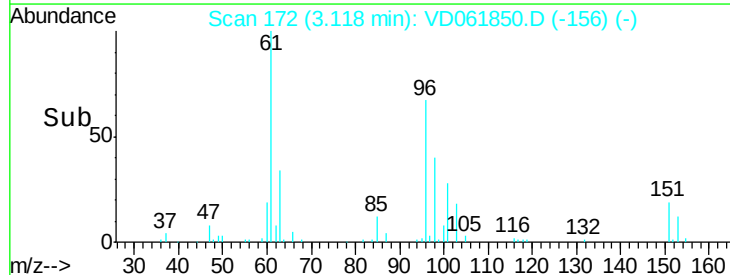
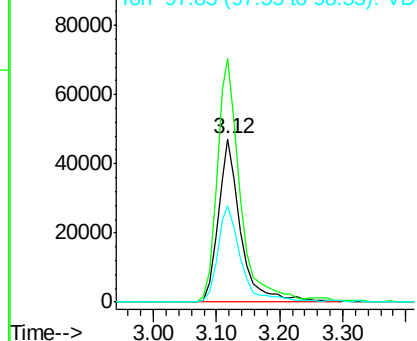
#12

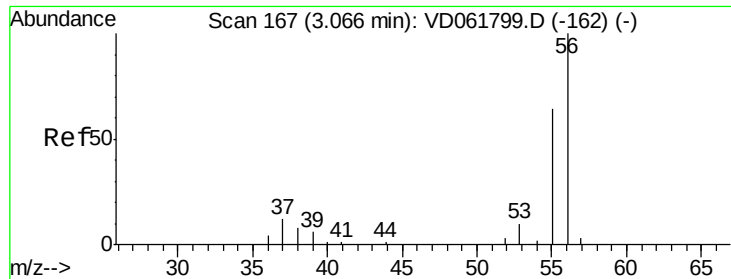
1,1-Dichloroethene
 Concen: 20.465 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.05 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

Tgt Ion: 96 Resp: 117679
 Ion Ratio Lower Upper
 96 100
 61 149.0 129.8 194.8
 98 59.1 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

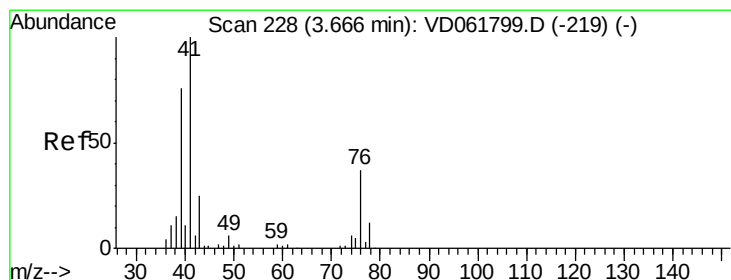
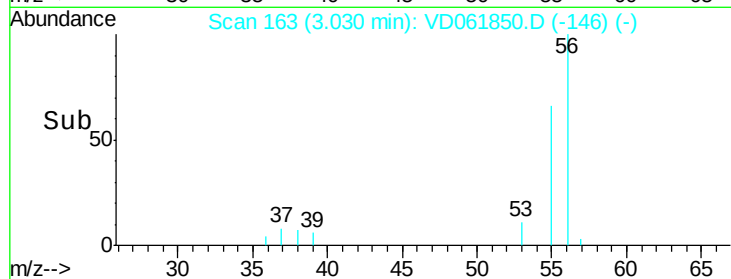
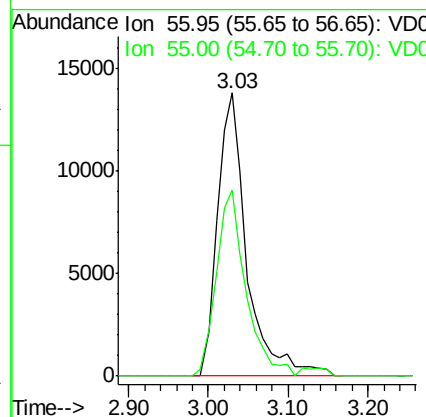
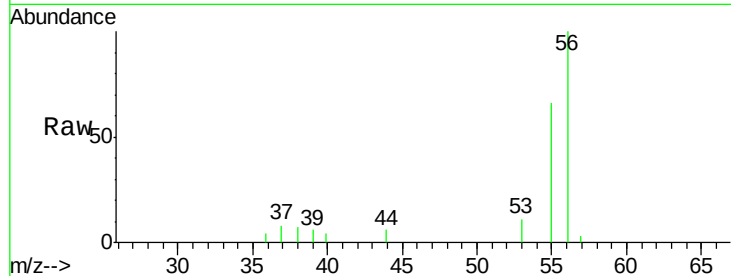




#13
Acrolein
Concen: 121.435 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.04 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

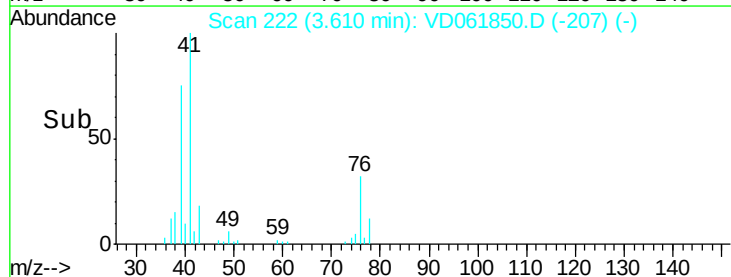
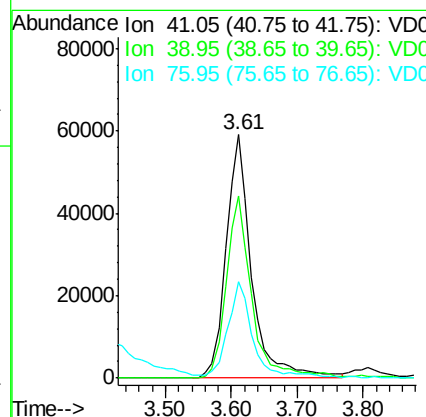
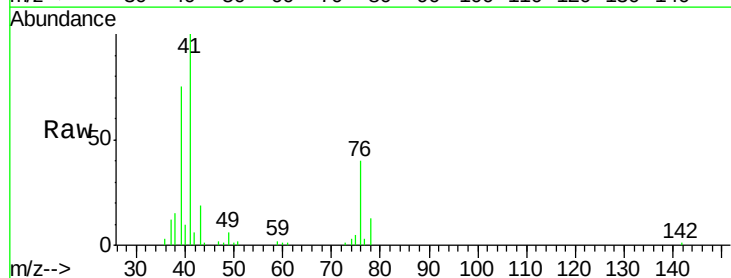
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

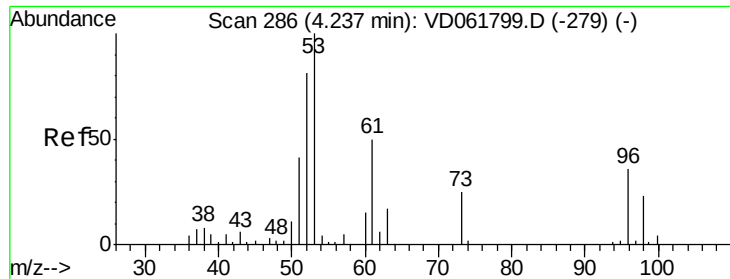
Tot Ion: 56 Resp: 35600
Ion Ratio Lower Upper
56 100
55 65.6 51.4 77.2



#14
Allyl chloride
Concen: 20.327 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.06 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion: 41 Resp: 159323
Ion Ratio Lower Upper
41 100
39 74.7 60.5 90.7
76 39.6 31.8 47.8





#15

Acrylonitrile

Concen: 108.719 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.06 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

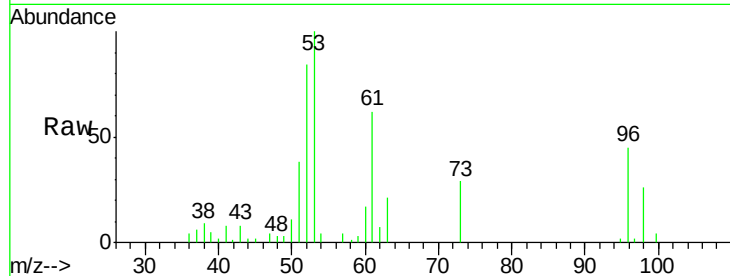
Tot Ion: 53 Resp: 103357

Ion Ratio Lower Upper

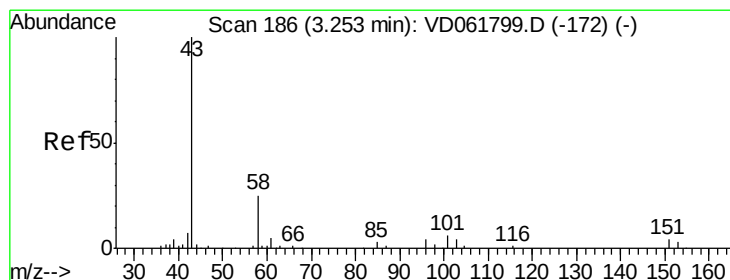
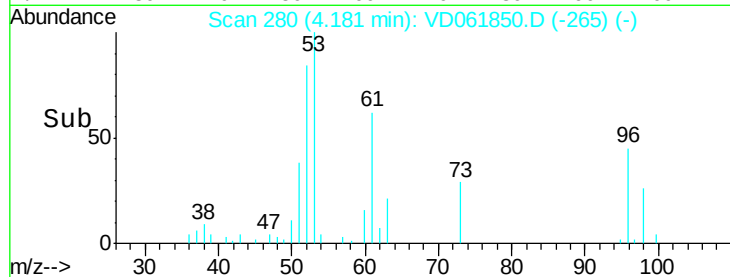
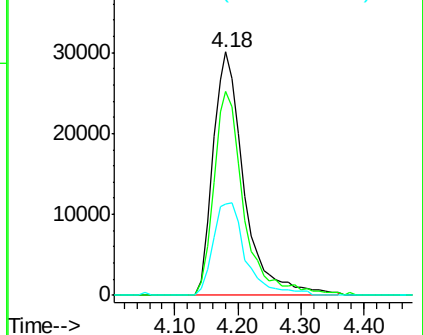
53 100

52 83.8 65.0 97.4

51 37.7 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: 101.332 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.05 min

Lab File: VD061850.D

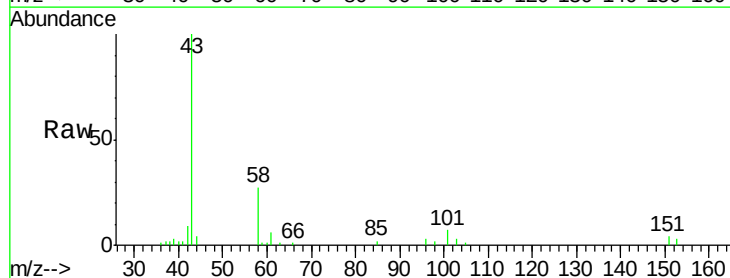
Acq: 17 Apr 2019 14:03

Tgt Ion: 43 Resp: 128245

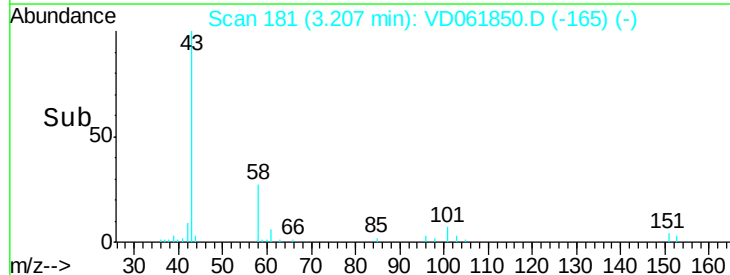
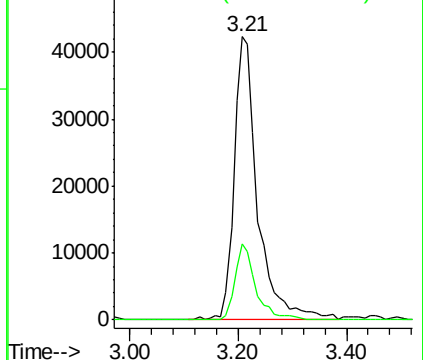
Ion Ratio Lower Upper

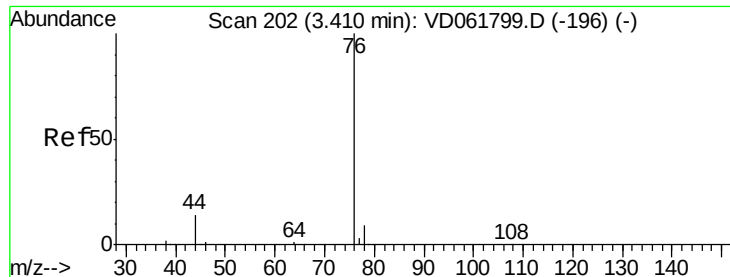
43 100

58 27.0 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: 19.510 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.05 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

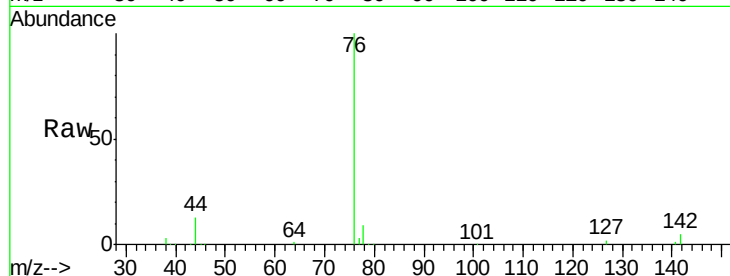
VD0417SBSD01

Tot Ion: 76 Resp: 362483

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

3.36

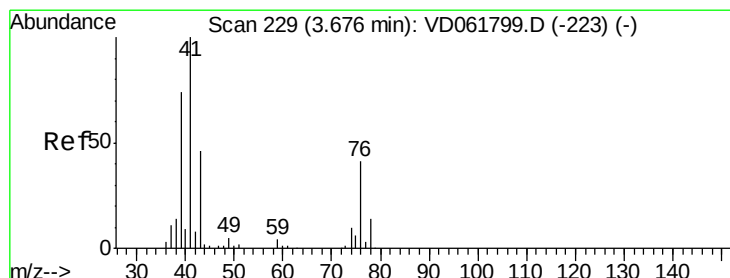
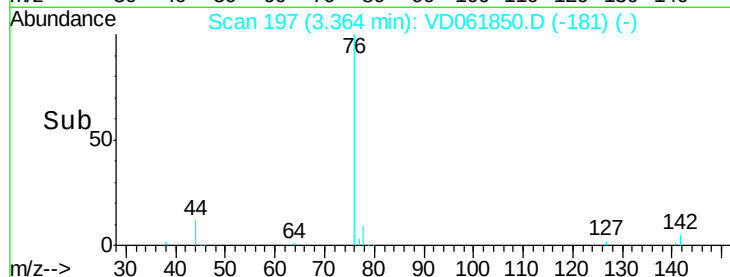
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.261 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.05 min

Lab File: VD061850.D

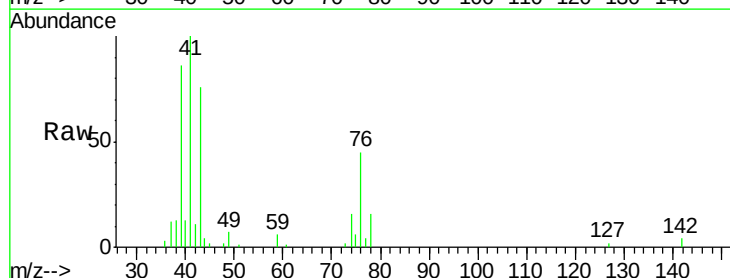
Acq: 17 Apr 2019 14:03

Tgt Ion: 43 Resp: 56469

Ion Ratio Lower Upper

43 100

74 20.6 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.63

20000

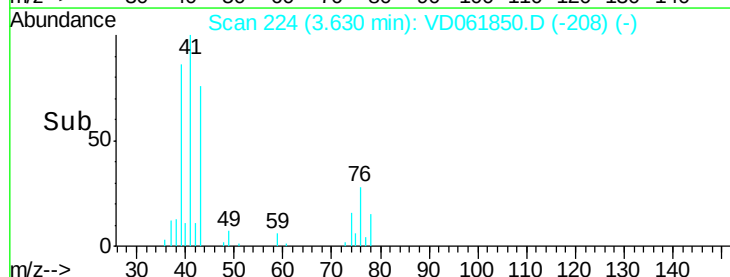
15000

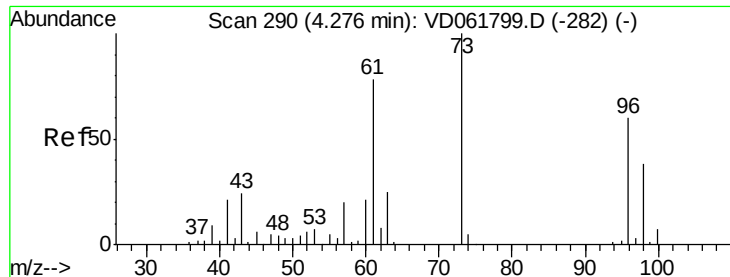
10000

5000

0

Time-->

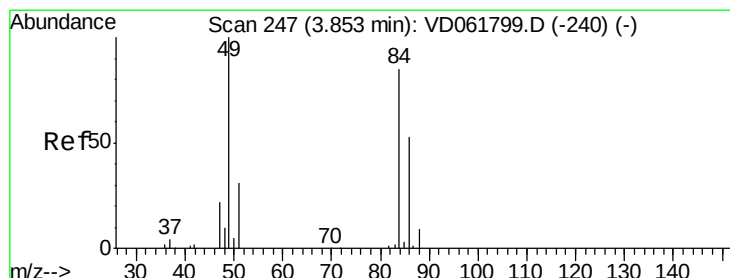
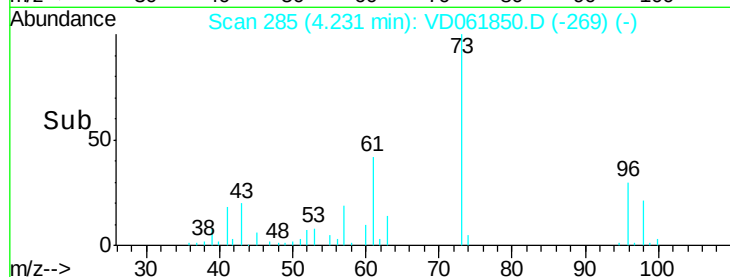
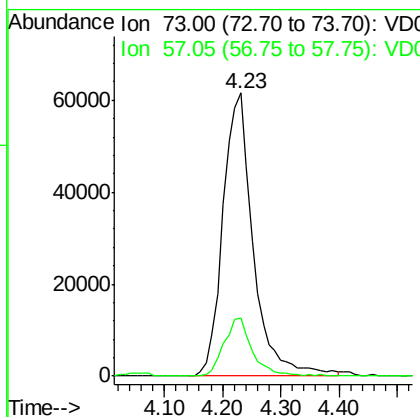
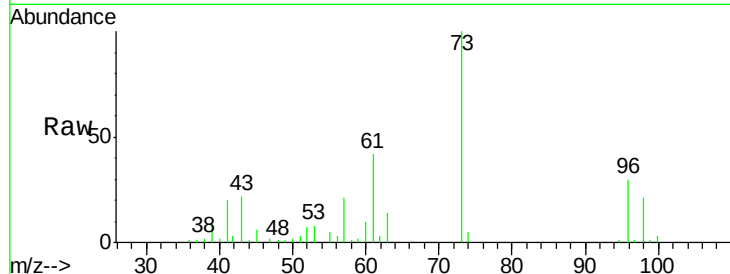




#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.05 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

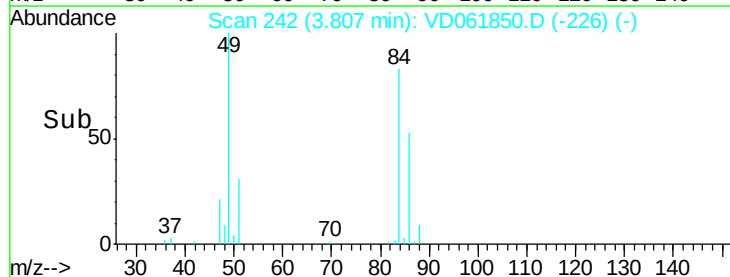
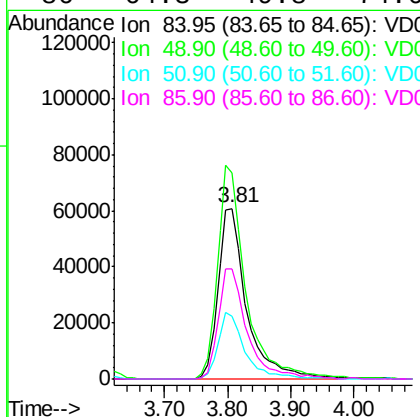
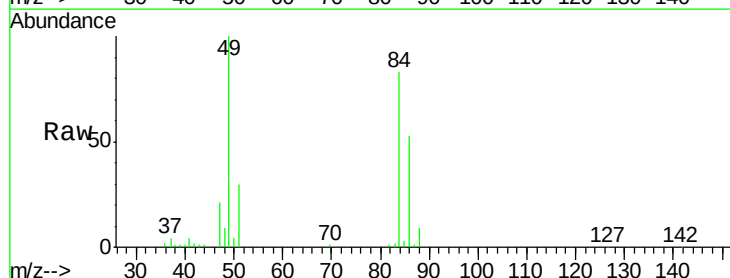
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

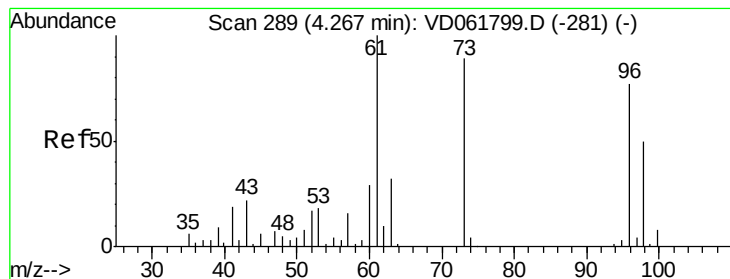
Tot Ion: 73 Resp: 222017
Ion Ratio Lower Upper
73 100
57 20.5 16.3 24.5



#20
Methylene Chloride
Concen: 28.762 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.05 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion: 84 Resp: 193191
Ion Ratio Lower Upper
84 100
49 121.0 94.0 141.0
51 36.8 29.0 43.4
86 64.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.581 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.07 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

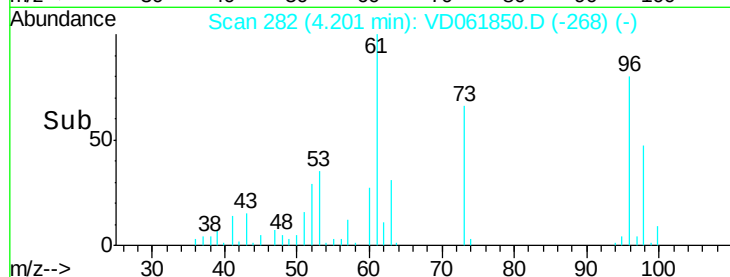
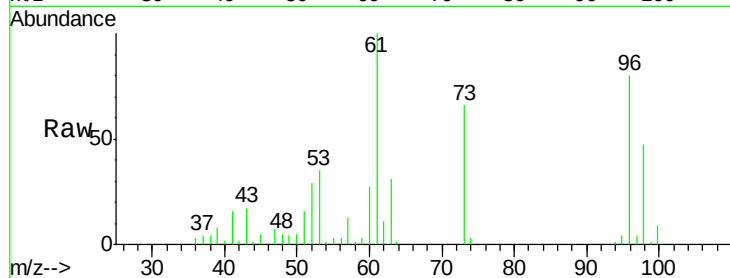
Tot Ion: 96 Resp: 123741

Ion Ratio Lower Upper

96 100

61 124.6 104.4 156.6

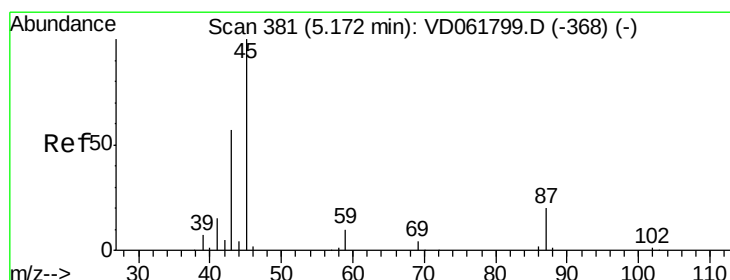
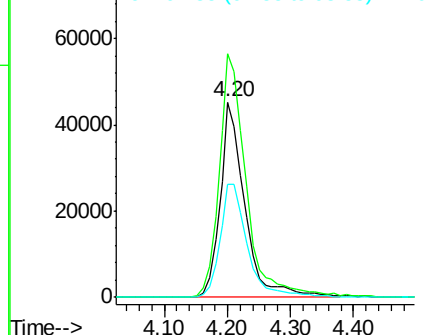
98 58.0 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.647 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.08 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Tgt Ion: 45 Resp: 362690

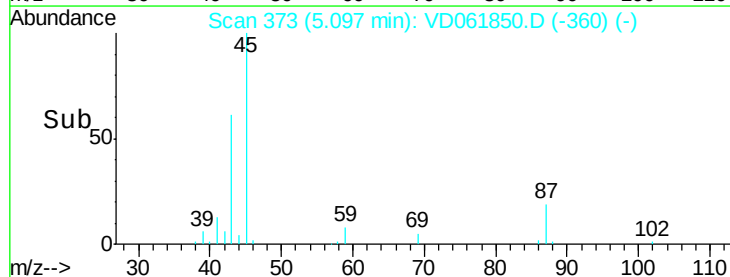
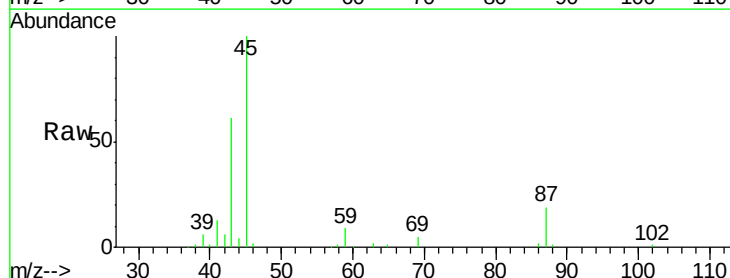
Ion Ratio Lower Upper

45 100

43 61.0 46.2 69.2

87 19.1 15.9 23.9

59 8.6 7.9 11.9

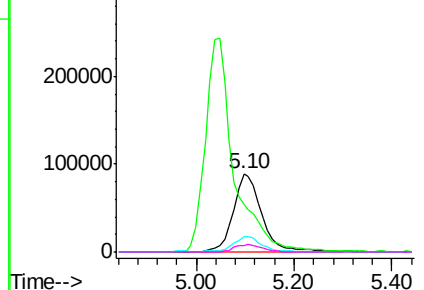


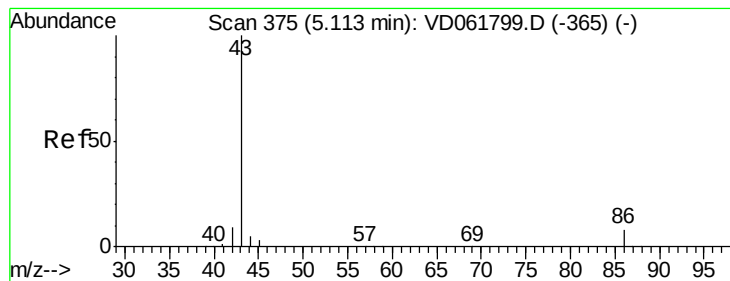
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 109.642 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.07 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleID :

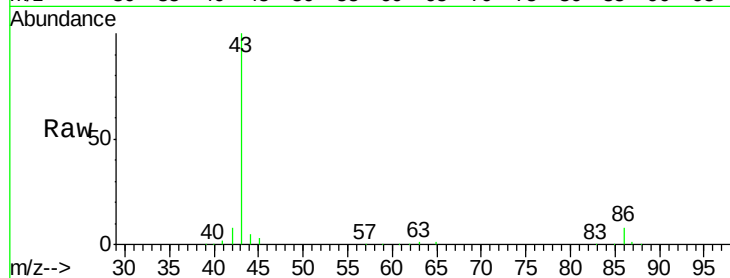
VD0417SBS01

Tot Ion: 43 Resp: 981998

Ion Ratio Lower Upper

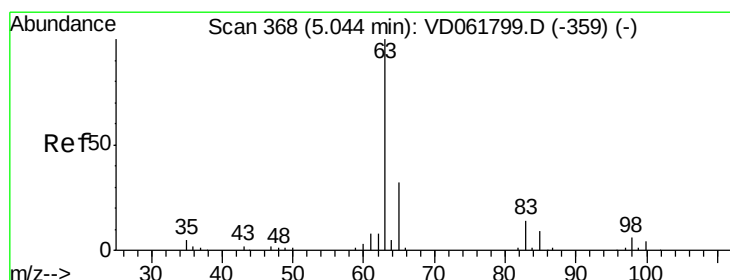
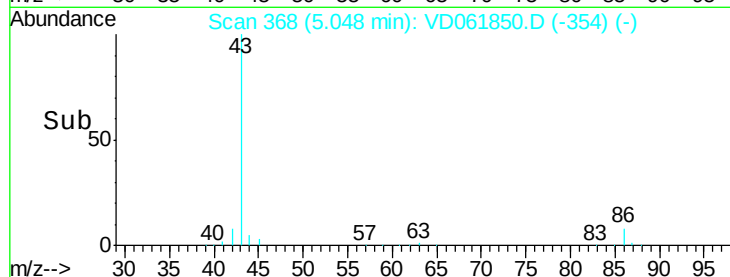
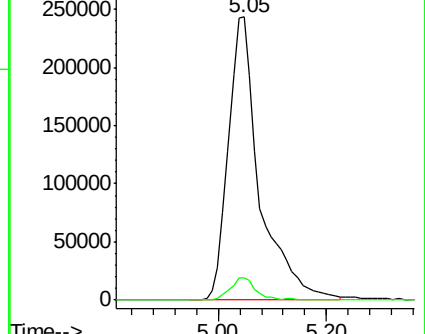
43 100

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



#24

1,1-Dichloroethane

Concen: 20.560 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.08 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

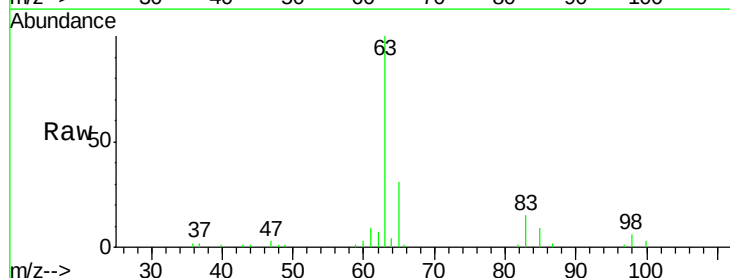
Tgt Ion: 63 Resp: 208854

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

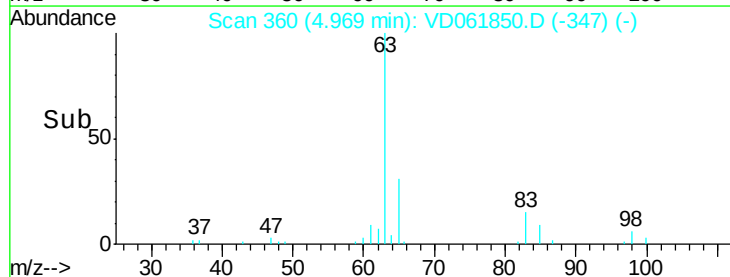
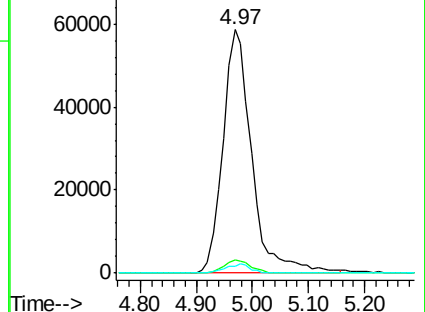
100 2.8 1.8 5.5

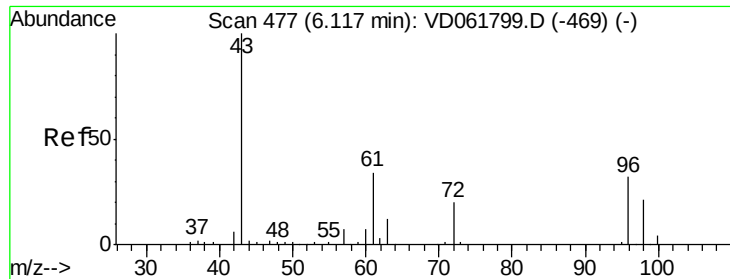


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 104.101 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.06 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

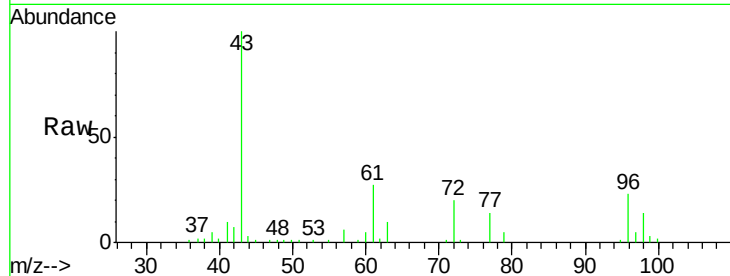
VD0417SBSD01

Tot Ion: 43 Resp: 149993

Ion Ratio Lower Upper

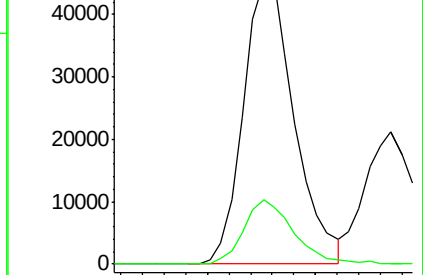
43 100

72 20.0 16.2 24.4

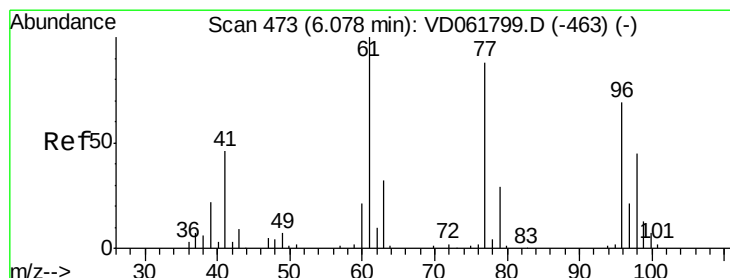
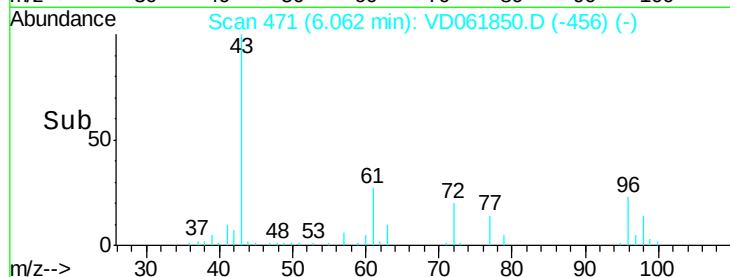


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 20.230 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.07 min

Lab File: VD061850.D

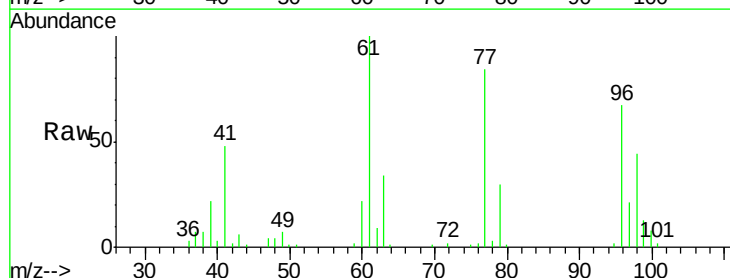
Acq: 17 Apr 2019 14:03

Tgt Ion: 77 Resp: 177626

Ion Ratio Lower Upper

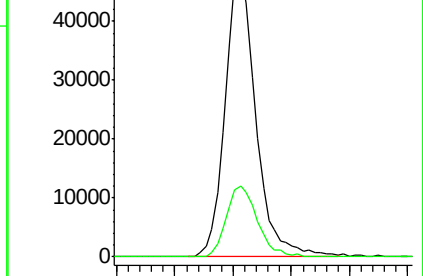
77 100

97 25.2 11.9 35.9

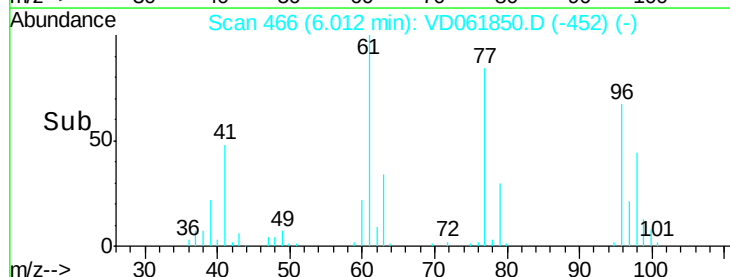


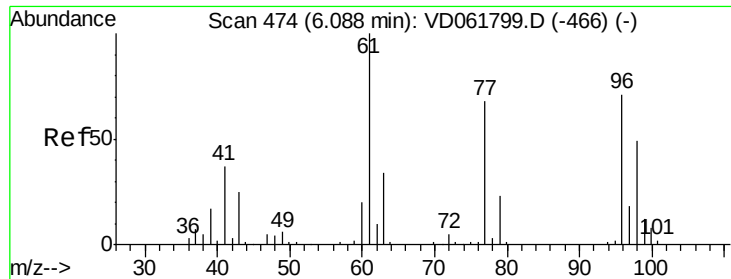
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



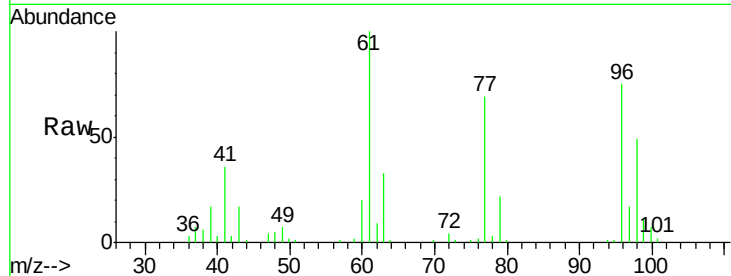


#27

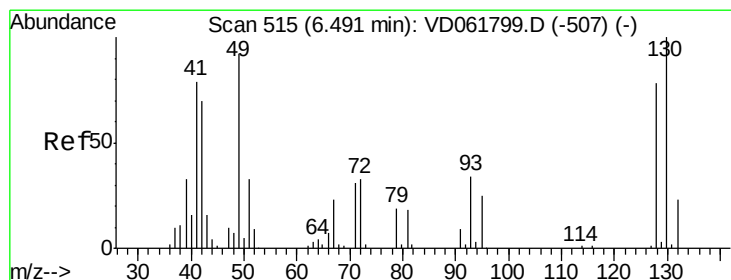
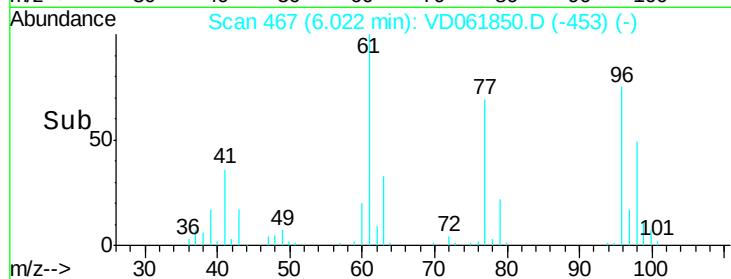
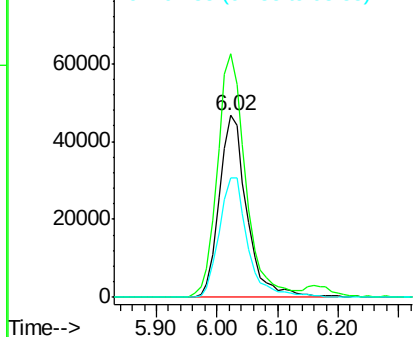
cis-1,2-Dichloroethene
Concen: 21.641 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.07 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

Tot Ion: 96 Resp: 148254
Ion Ratio Lower Upper
96 100
61 133.8 0.0 279.8
98 65.6 0.0 136.0



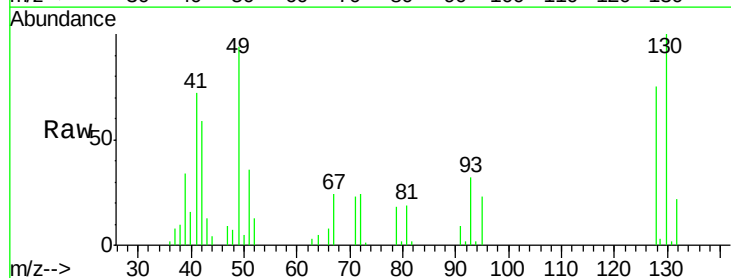
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



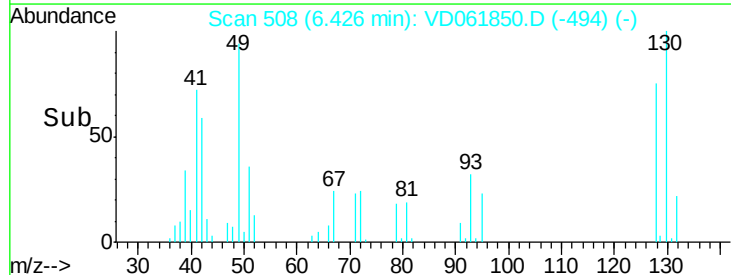
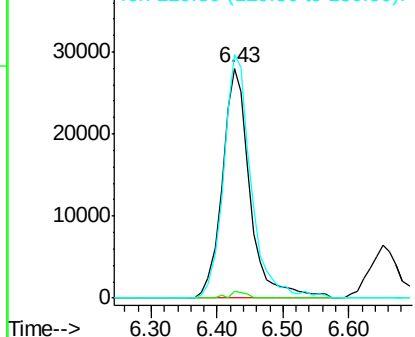
#28

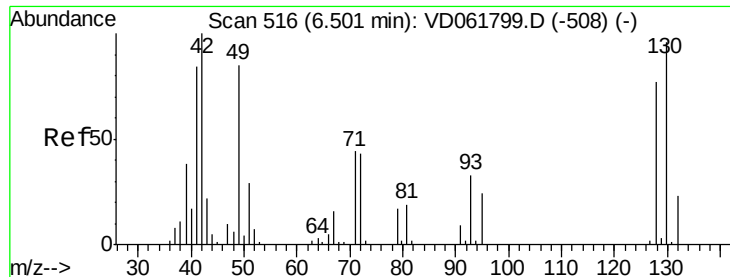
Bromochloromethane
Concen: 21.092 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.07 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion: 49 Resp: 81385
Ion Ratio Lower Upper
49 100
129 2.8 0.0 6.6
130 106.0 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

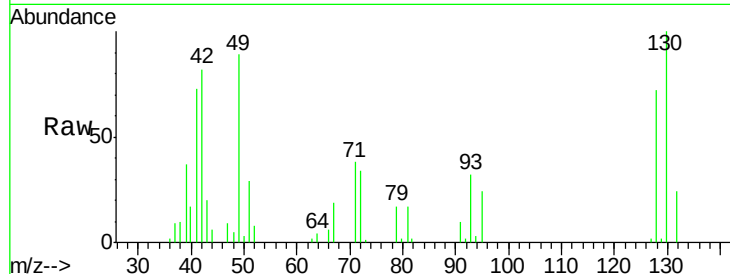




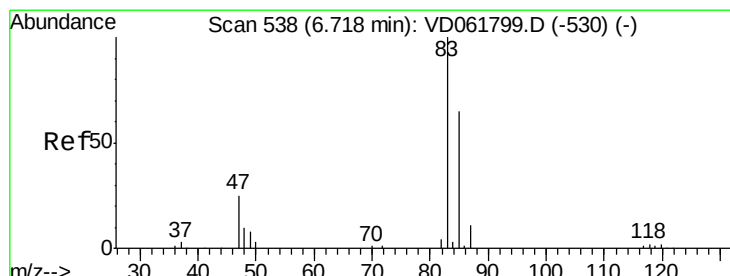
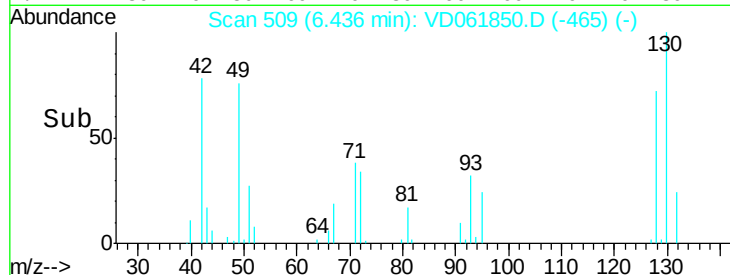
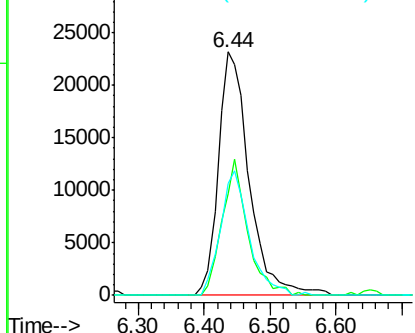
#29
Tetrahydrofuran
Concen: 107.162 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.07 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion: 42 Resp: 75212
Ion Ratio Lower Upper
42 100
72 46.9 37.8 56.6
71 47.7 36.7 55.1

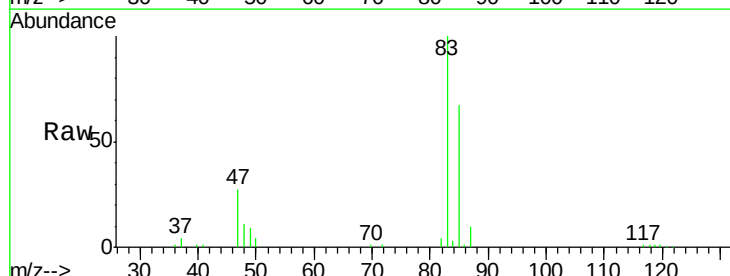


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

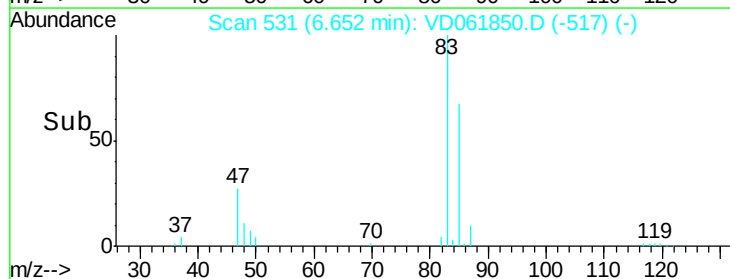
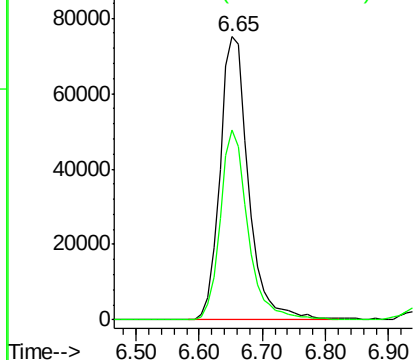


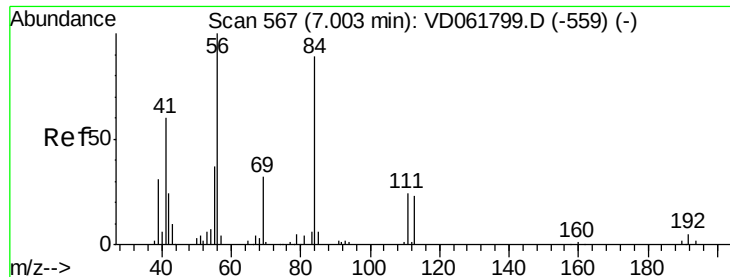
#30
Chloroform
Concen: 20.834 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.07 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion: 83 Resp: 236052
Ion Ratio Lower Upper
83 100
85 67.0 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

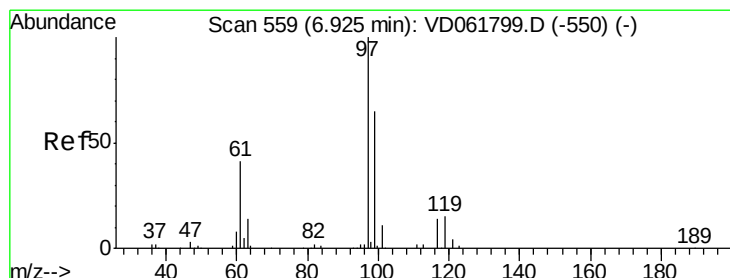
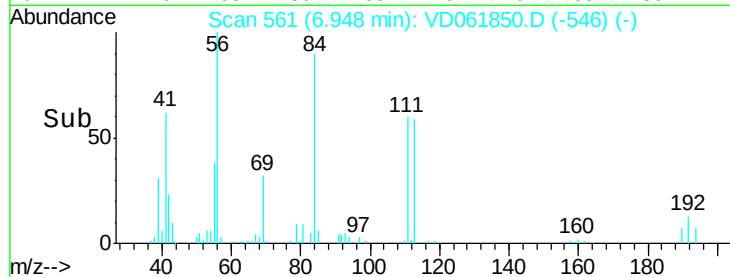
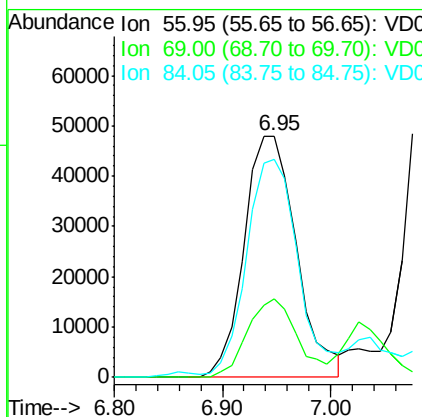
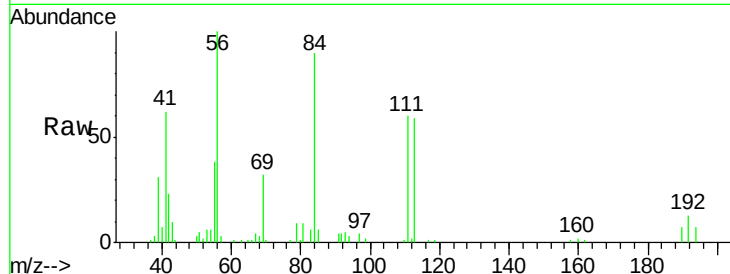




#31
Cyclohexane
Concen: 20.688 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.06 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

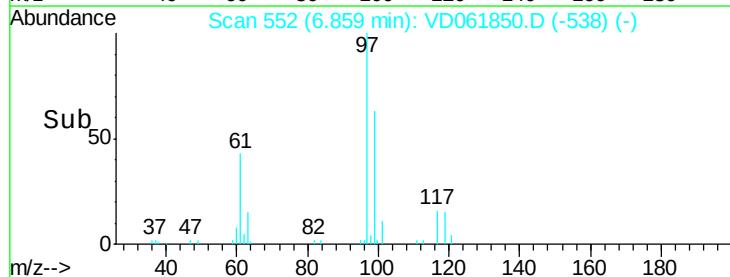
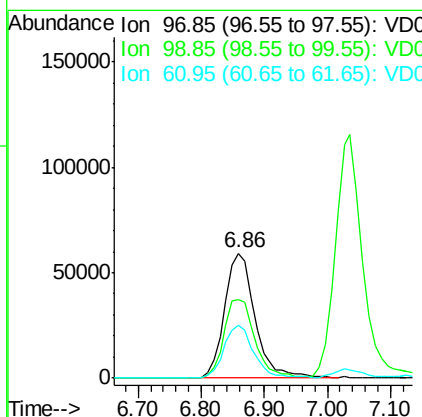
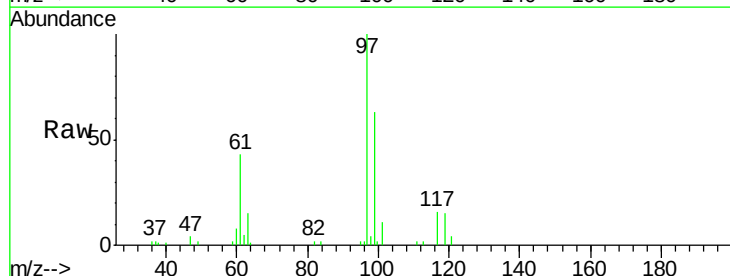
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

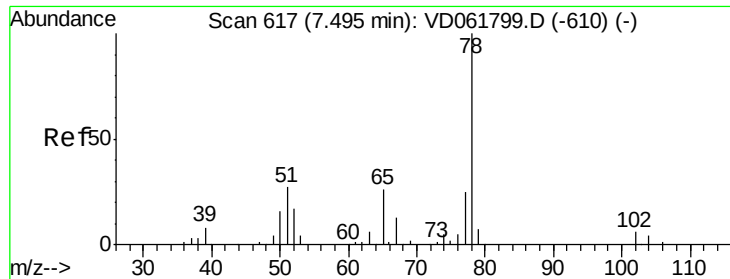
Tot Ion: 56 Resp: 160876
Ion Ratio Lower Upper
56 100
69 32.5 25.8 38.6
84 90.2 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 19.615 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.07 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion: 97 Resp: 197010
Ion Ratio Lower Upper
97 100
99 63.4 52.2 78.2
61 43.0 32.4 48.6

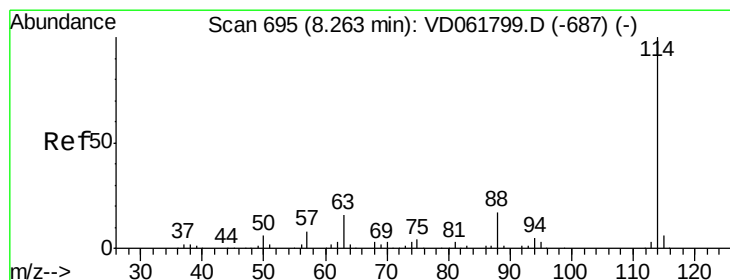
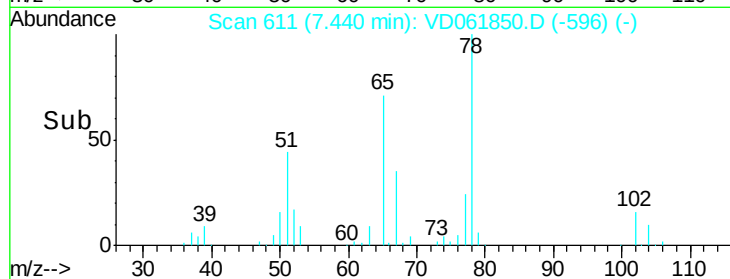
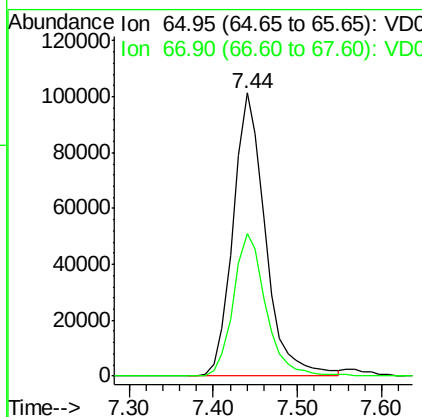
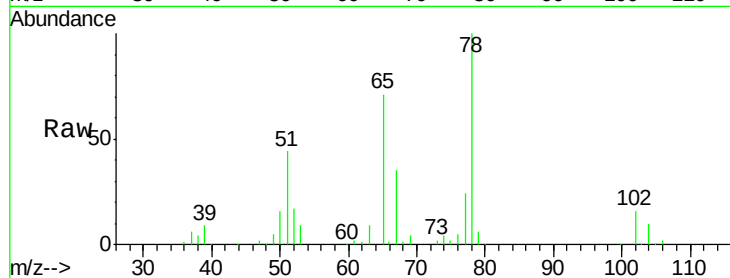




#33
 1,2-Dichloroethane-d4
 Concen: 19.615 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.06 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

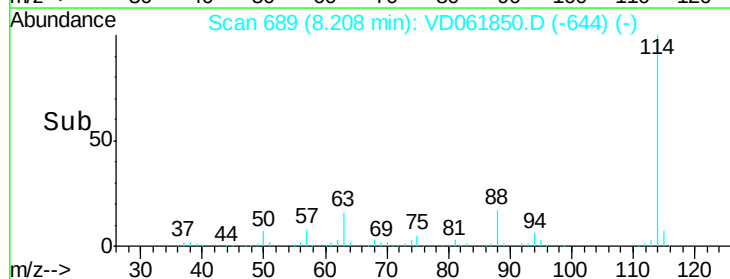
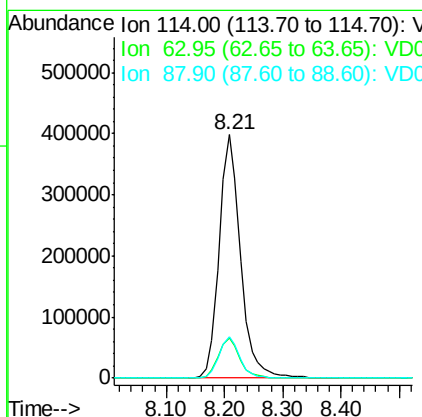
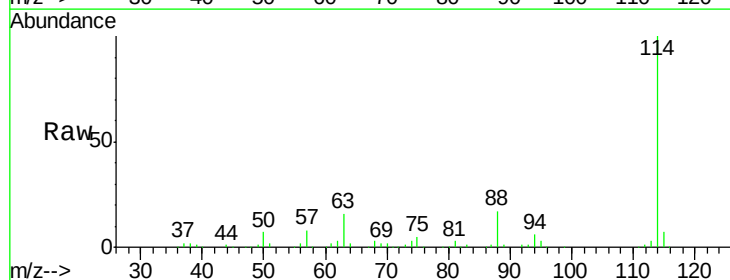
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBSD01

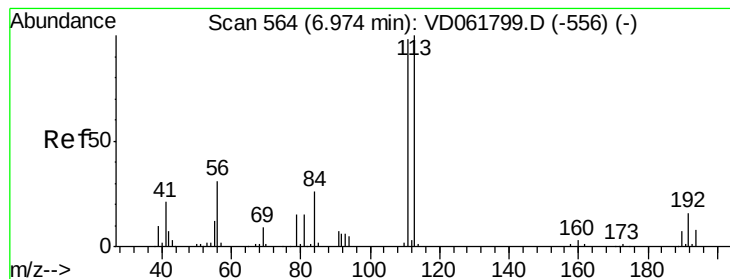
Tot Ion: 65 Resp: 270753
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.06 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

Tgt Ion: 114 Resp: 1012722
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 32.4
 88 17.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.06 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBSD01

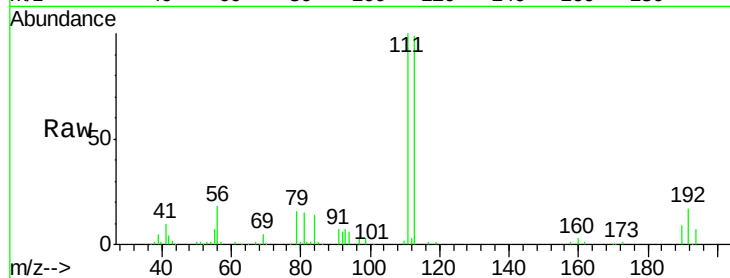
Tot Ion:113 Resp: 383496

Ion Ratio Lower Upper

113 100

111 101.3 78.5 117.7

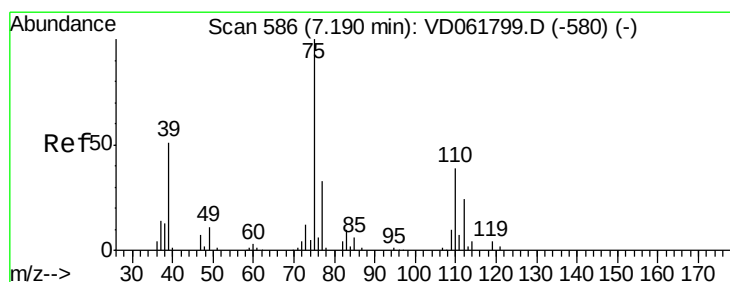
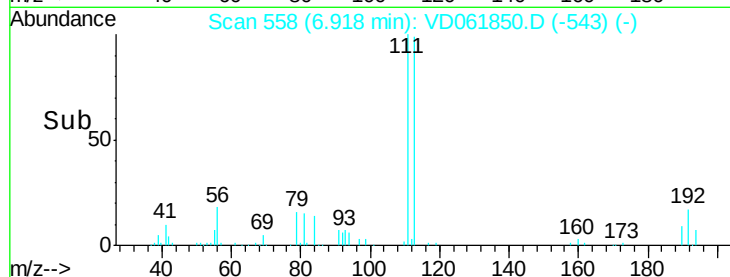
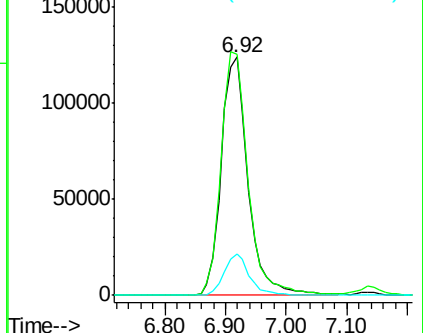
192 17.3 13.0 19.4



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: 20.316 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.06 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

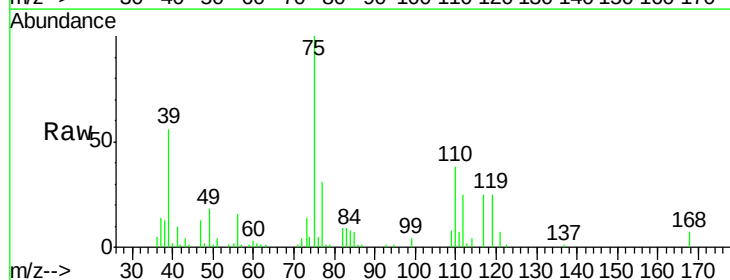
Tgt Ion: 75 Resp: 168123

Ion Ratio Lower Upper

75 100

110 38.1 19.1 57.1

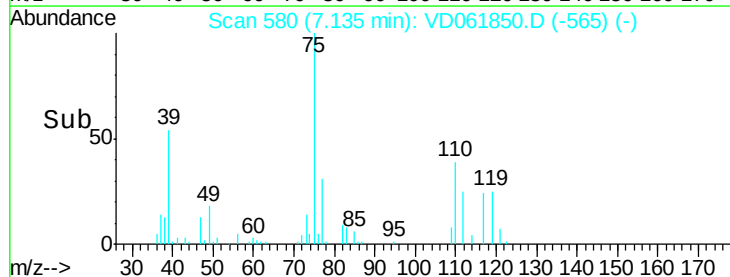
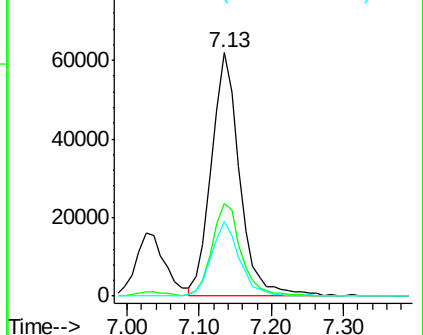
77 30.6 25.6 38.4

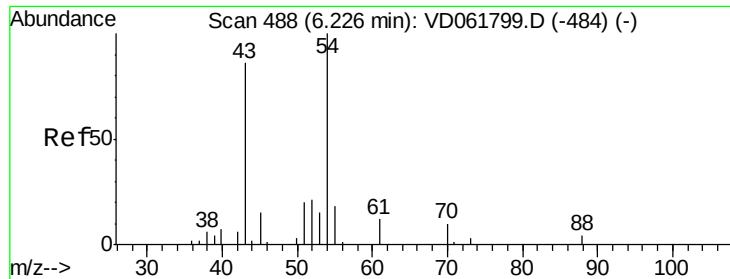


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

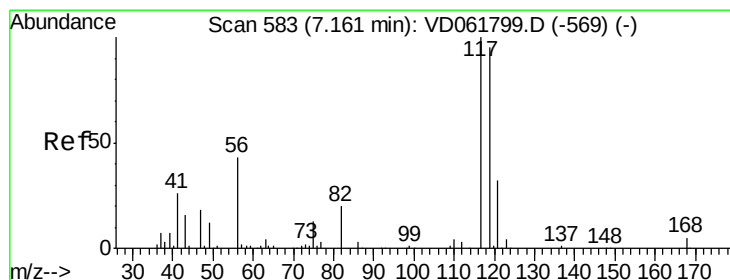
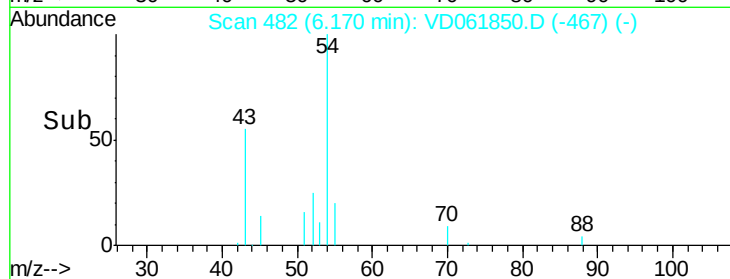
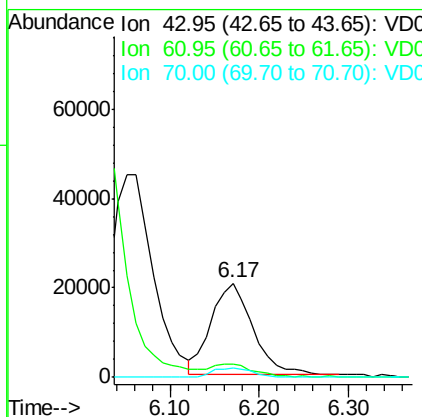
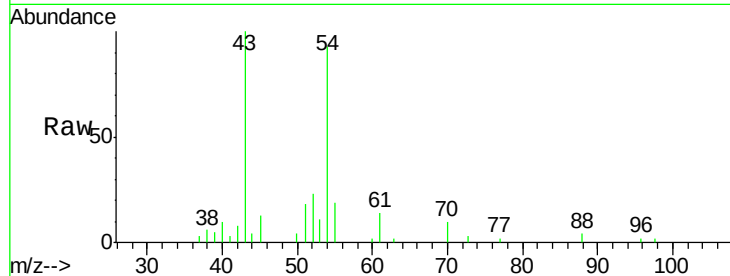




#37
Ethyl Acetate
Concen: 18.865 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.06 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

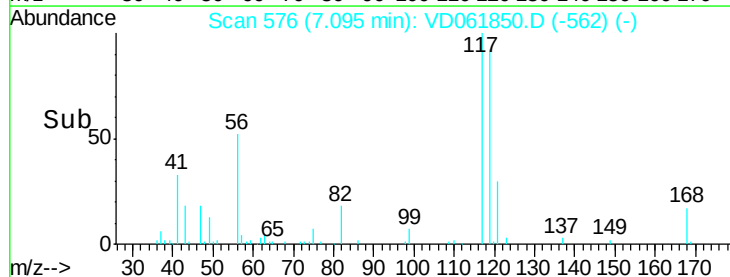
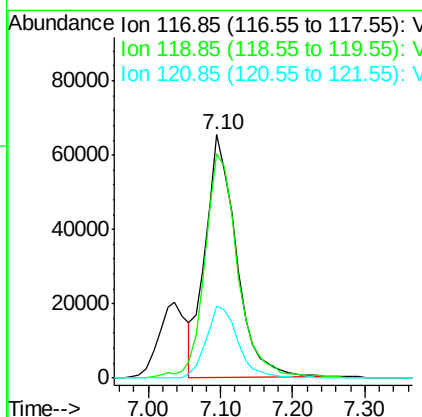
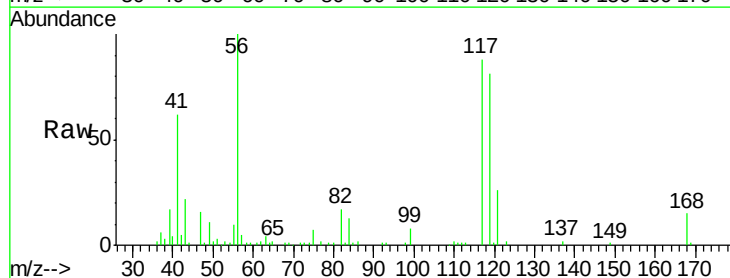
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

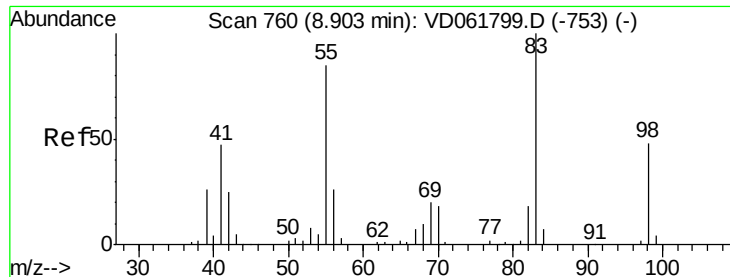
Tot Ion: 43 Resp: 66819
Ion Ratio Lower Upper
43 100
61 13.6 14.7 22.1#
70 10.1 7.8 11.6



#38
Carbon Tetrachloride
Concen: 18.565 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.07 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion: 117 Resp: 193999
Ion Ratio Lower Upper
117 100
119 92.2 75.8 113.8
121 29.7 25.9 38.9

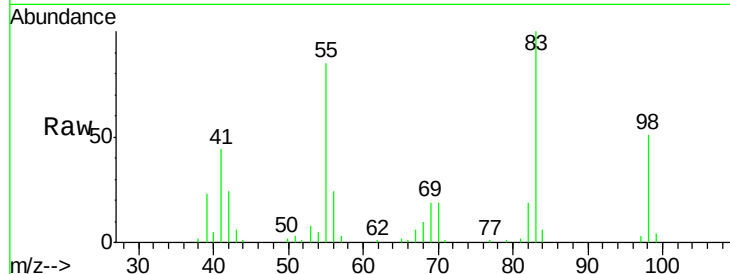




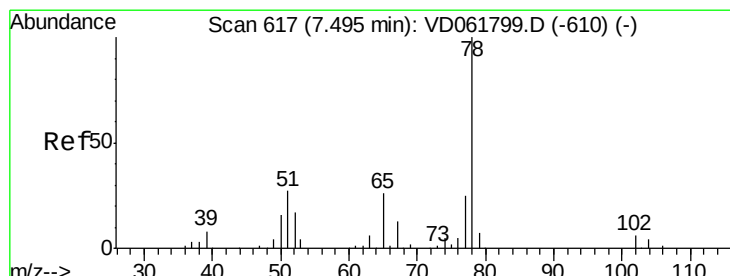
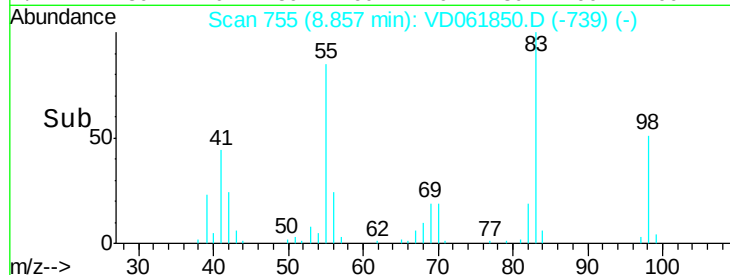
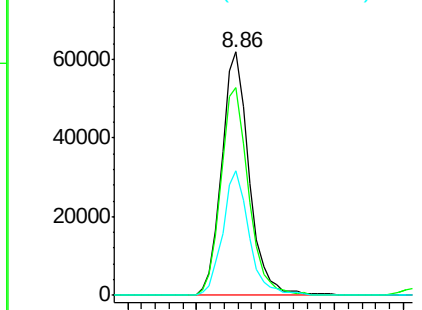
#39
Methylvlcyclohexane
Concen: 19.815 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.05 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion: 83 Resp: 170282
Ion Ratio Lower Upper
83 100
55 85.2 68.2 102.4
98 51.2 38.2 57.4

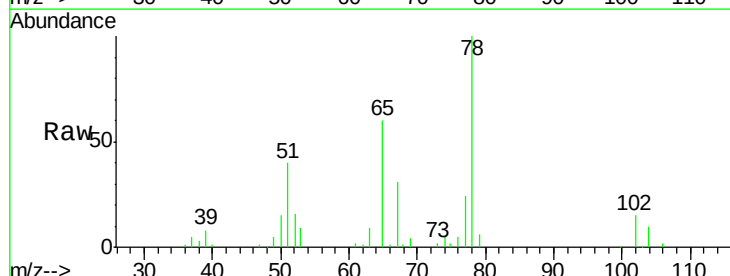


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

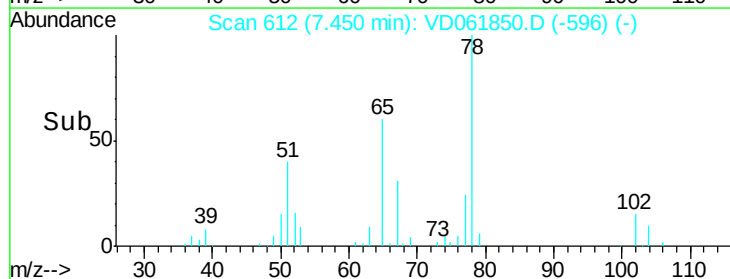
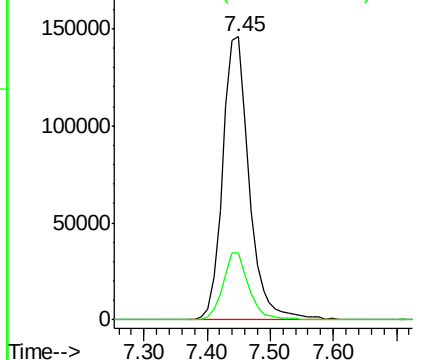


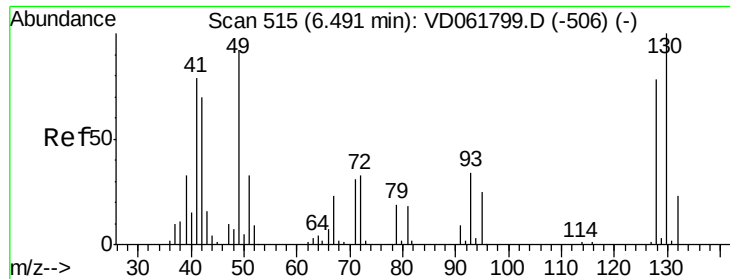
#40
Benzene
Concen: 21.422 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.05 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion: 78 Resp: 425601
Ion Ratio Lower Upper
78 100
77 23.9 19.7 29.5



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

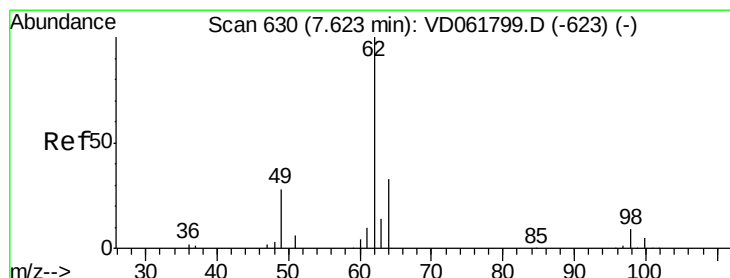
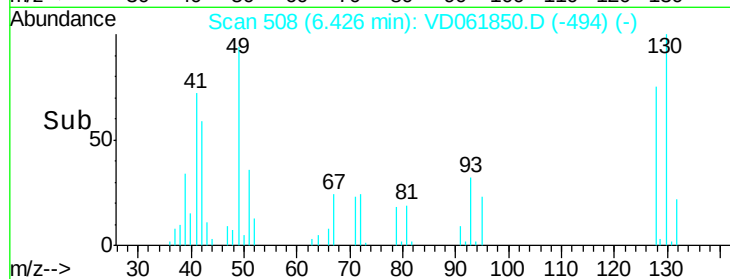
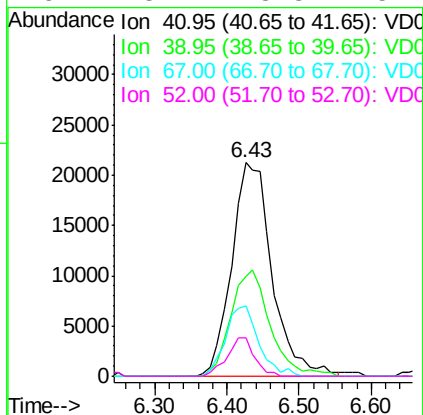
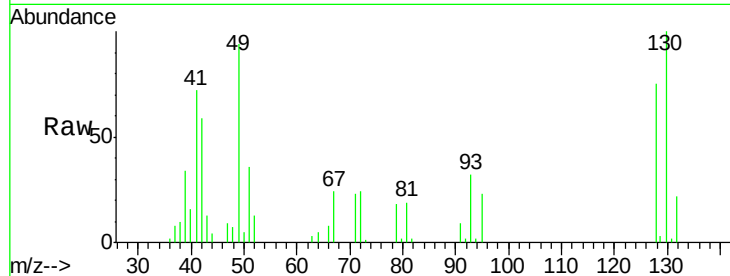




#41
Methacrylonitrile
Concen: 19.771 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.07 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

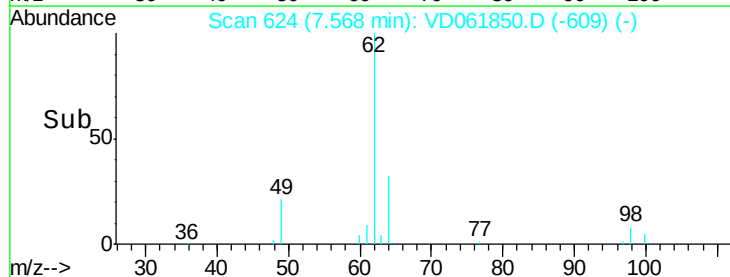
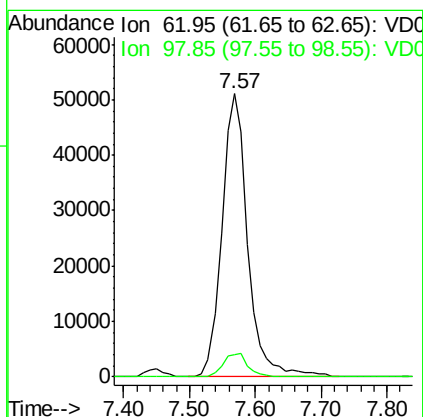
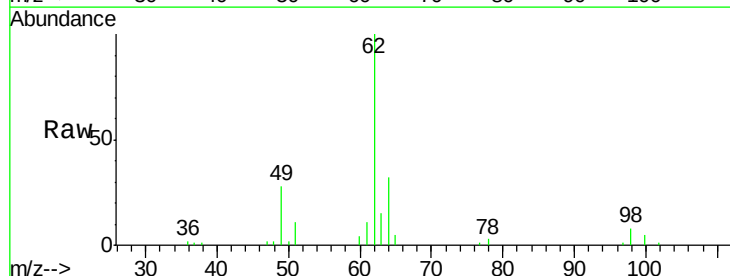
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

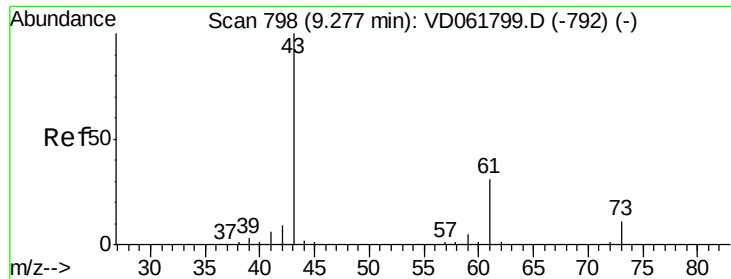
Tot Ion: 41 Resp: 82767
Ion Ratio Lower Upper
41 100
39 46.8 34.1 51.1
67 33.1 23.8 35.6
52 18.2 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 20.097 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.06 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion: 62 Resp: 139063
Ion Ratio Lower Upper
62 100
98 7.7 0.0 17.8





#43

Isopropyl Acetate

Concen: 22.526 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.05 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBSD01

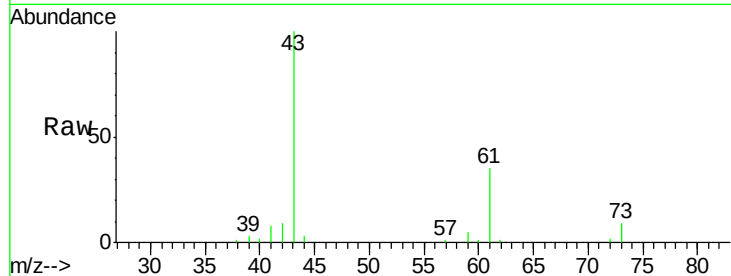
Tot Ion: 43 Resp: 112275

Ion Ratio Lower Upper

43 100

61 34.5 25.1 37.7

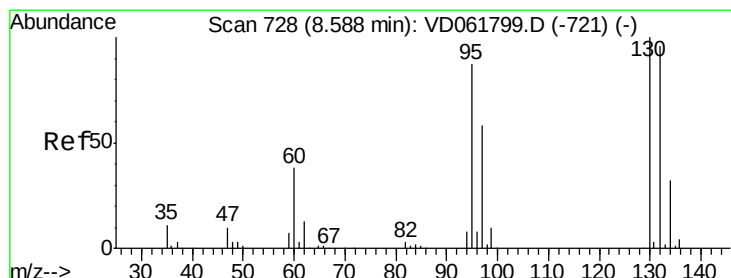
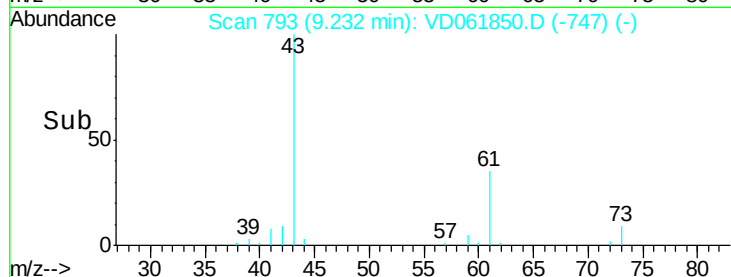
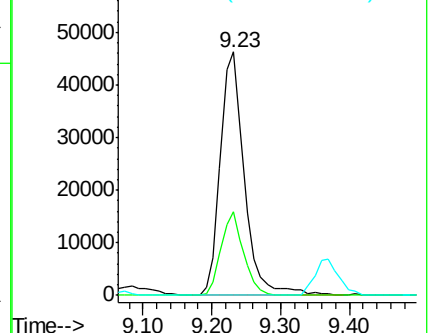
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.896 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.06 min

Lab File: VD061850.D

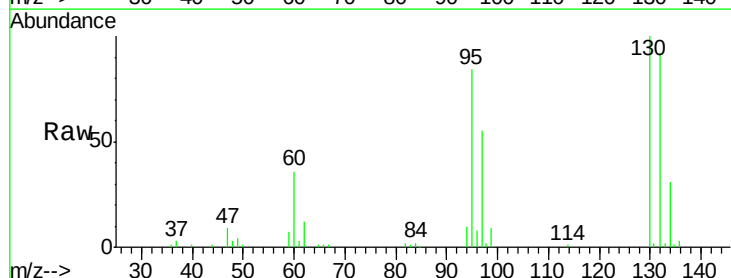
Acq: 17 Apr 2019 14:03

Tgt Ion:130 Resp: 159816

Ion Ratio Lower Upper

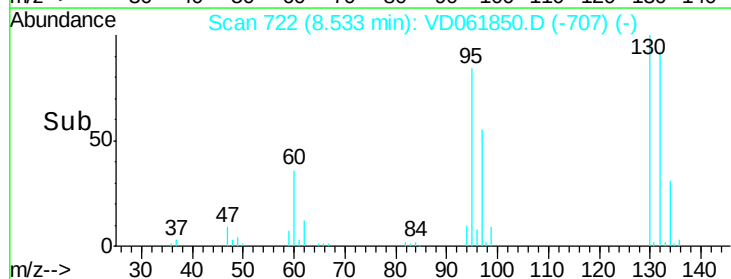
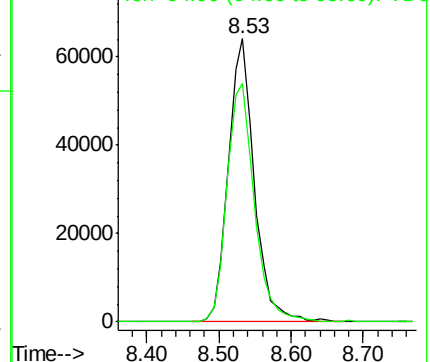
130 100

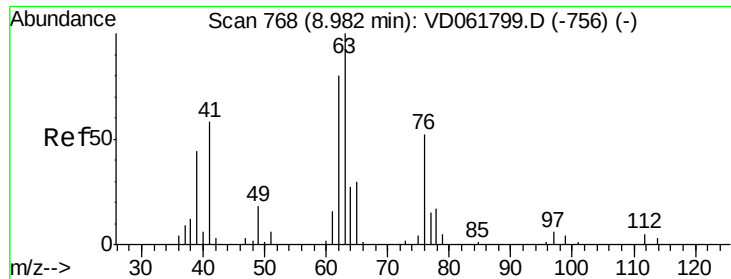
95 84.1 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.858 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.06 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

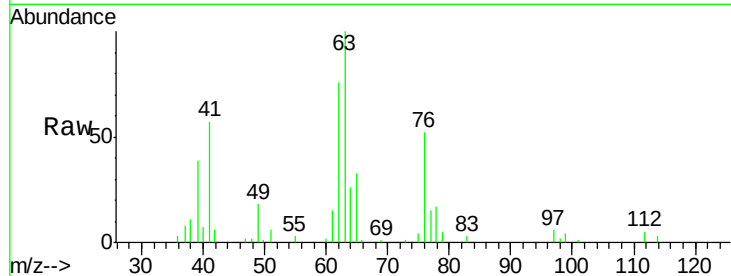
VD0417SBS01

Tot Ion: 63 Resp: 113115

Ion Ratio Lower Upper

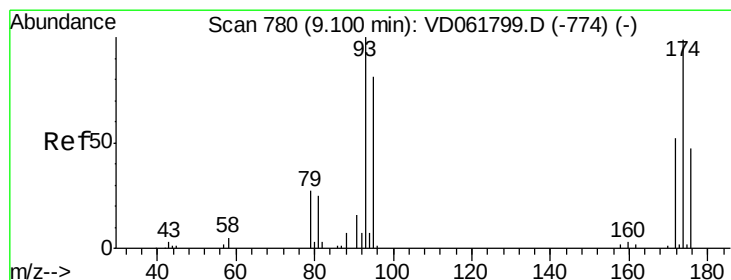
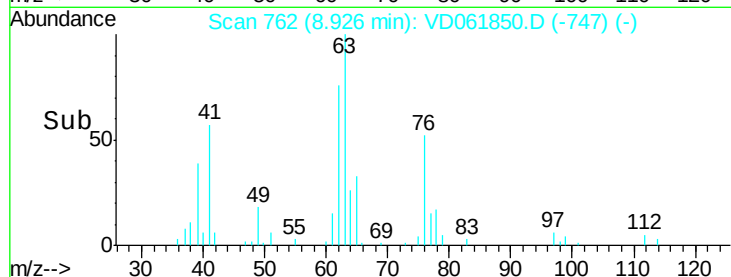
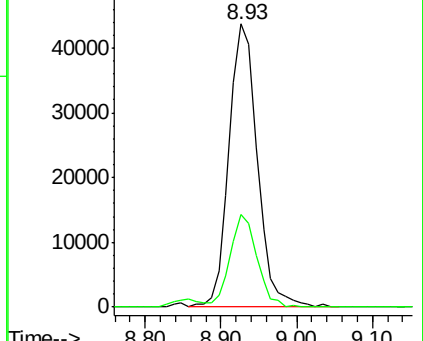
63 100

65 32.9 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.242 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.05 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

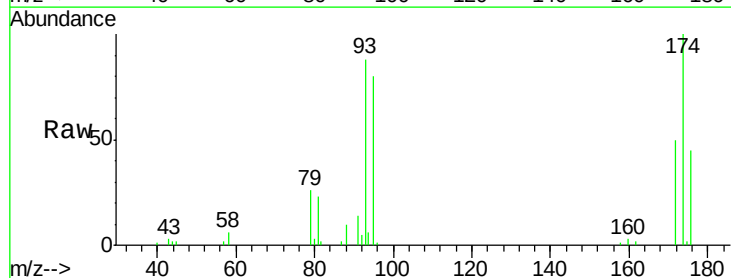
Tgt Ion: 93 Resp: 74641

Ion Ratio Lower Upper

93 100

95 90.2 64.8 97.2

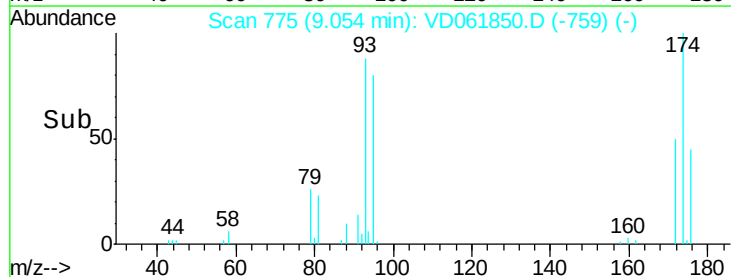
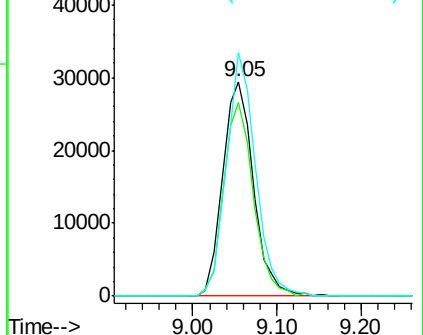
174 113.5 79.3 118.9

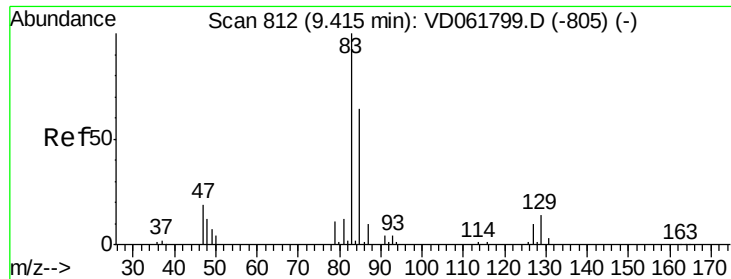


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 19.588 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.05 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBSD01

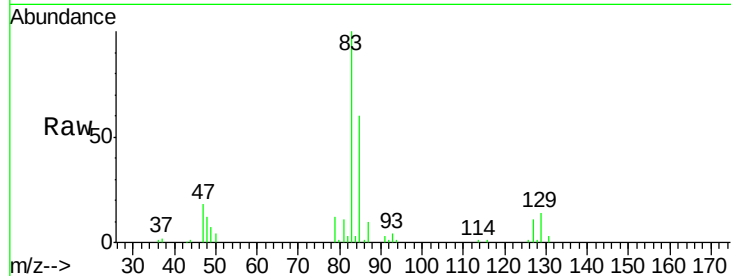
Tot Ion: 83 Resp: 166635

Ion Ratio Lower Upper

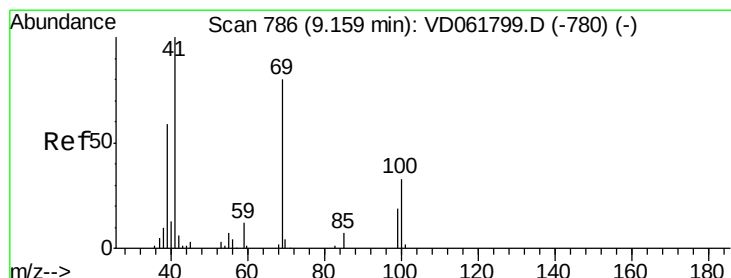
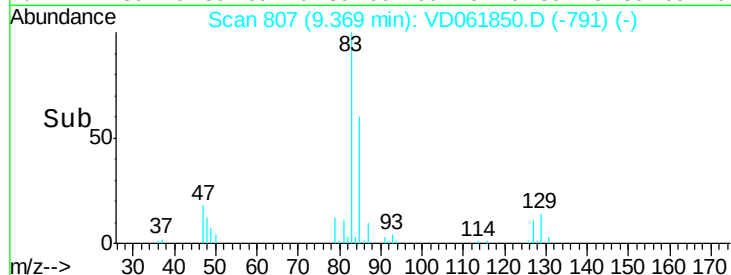
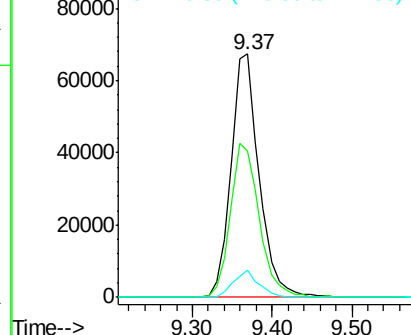
83 100

85 60.3 50.9 76.3

127 11.4 8.1 12.1



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



#48

Methyl methacrylate

Concen: 20.670 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.05 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

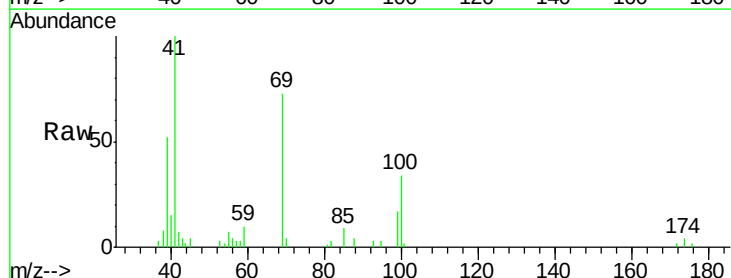
Tgt Ion: 41 Resp: 60560

Ion Ratio Lower Upper

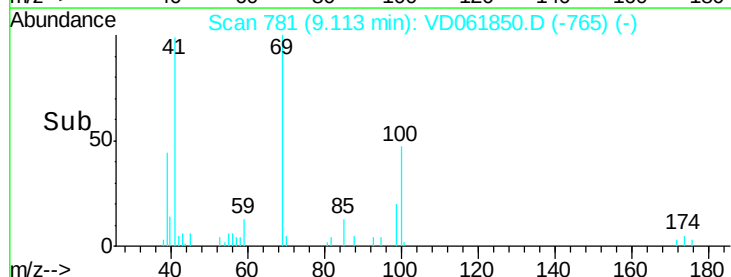
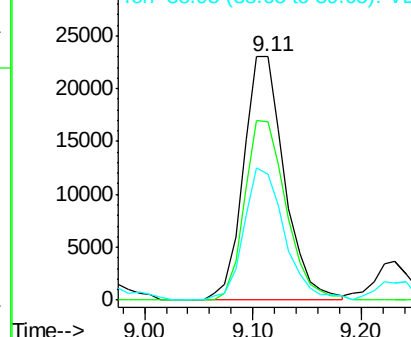
41 100

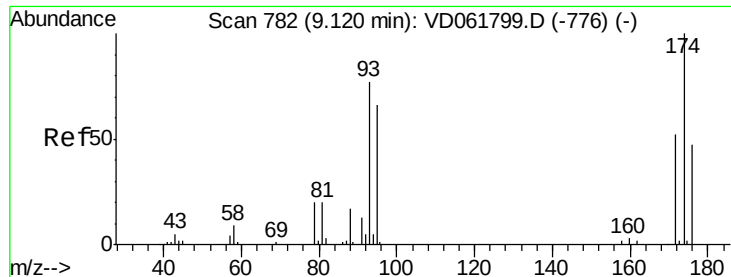
69 73.0 64.2 96.2

39 51.8 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

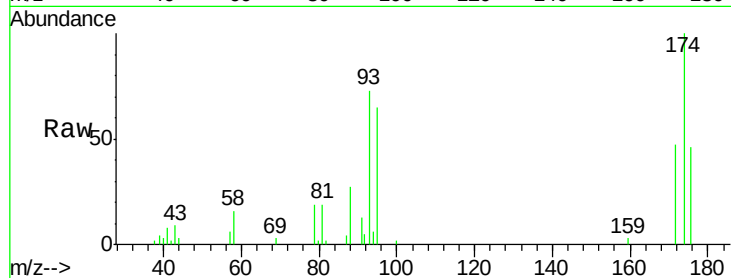




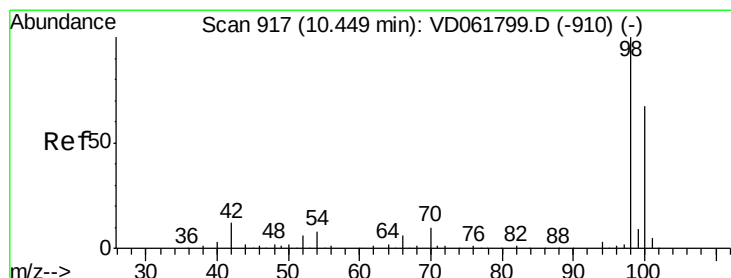
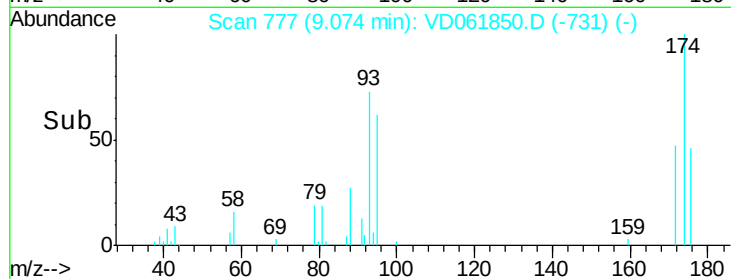
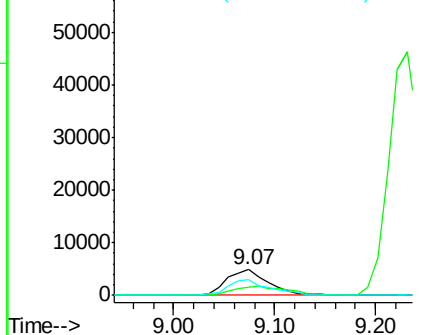
#49
1,4-Dioxane
Concen: 441.086 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.05 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion: 88 Resp: 14125
Ion Ratio Lower Upper
88 100
43 31.8 23.4 35.0
58 59.1 44.0 66.0

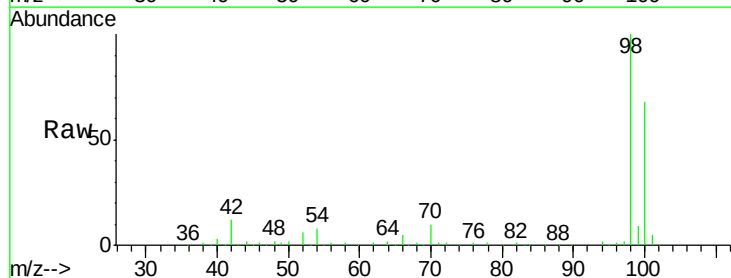


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

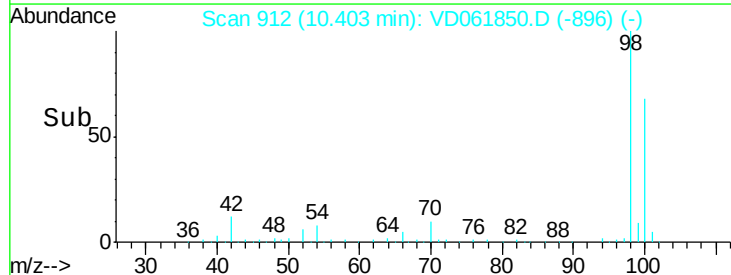
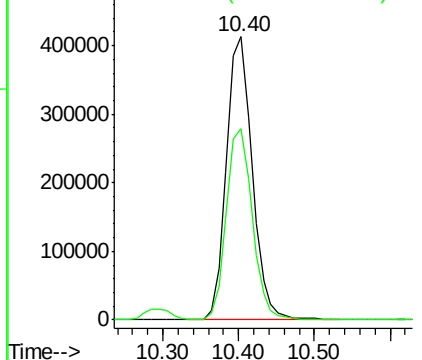


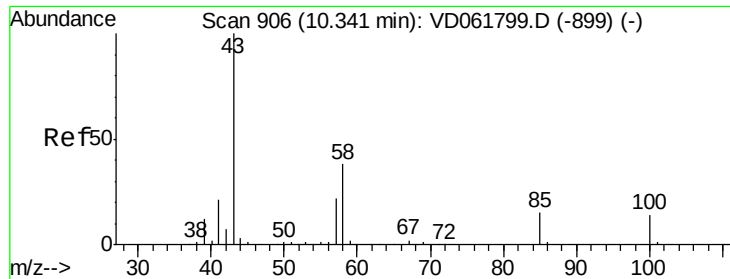
#50
Toluene-d8
Concen: 441.086 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.05 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion: 98 Resp: 974330
Ion Ratio Lower Upper
98 100
100 67.7 53.8 80.8



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

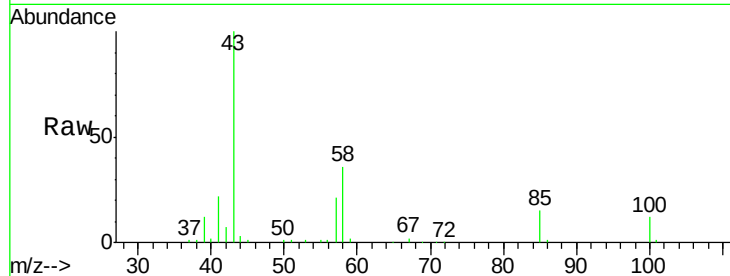




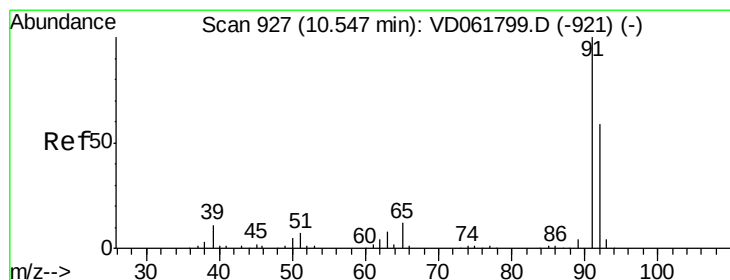
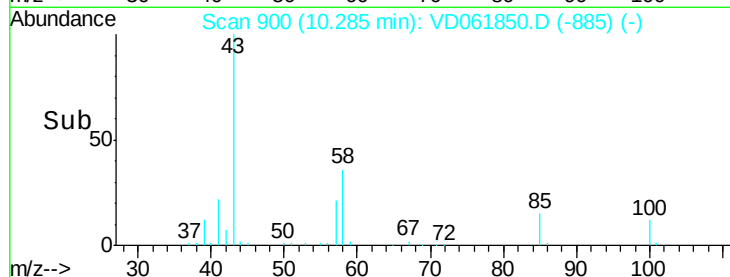
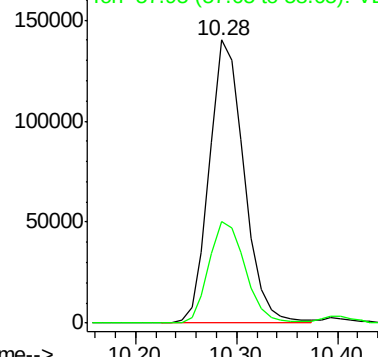
#51
4-Methyl-2-Pentanone
Concen: 110.397 ug/l
RT: 10.28 min Scan# 900
Delta R.T. -0.06 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion: 43 Resp: 336495
Ion Ratio Lower Upper
43 100
58 35.7 30.4 45.6

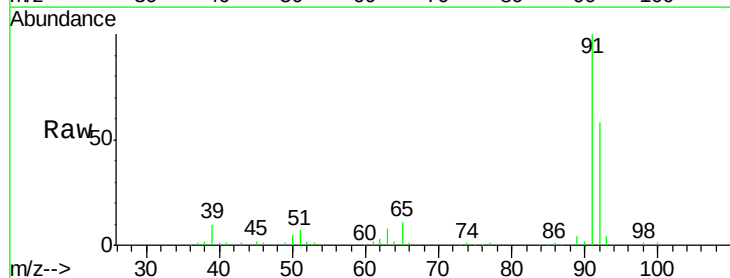


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

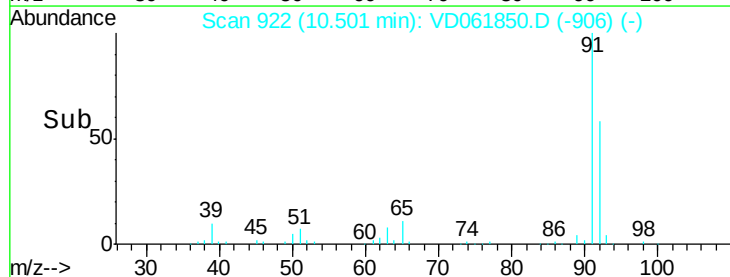
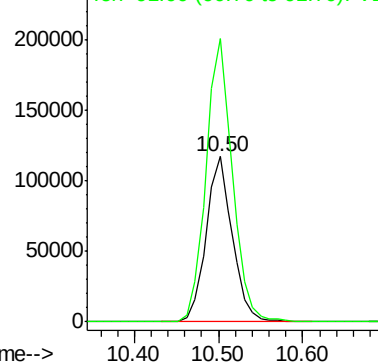


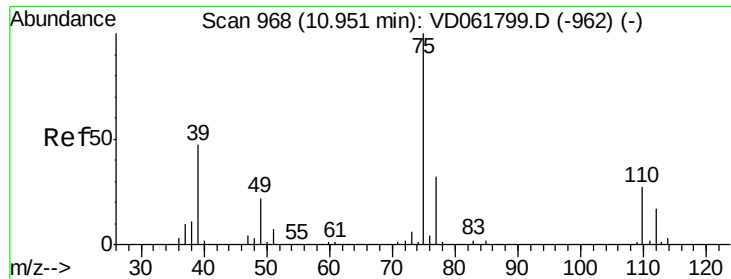
#52
Toluene
Concen: 19.913 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.05 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion: 92 Resp: 253524
Ion Ratio Lower Upper
92 100
91 171.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

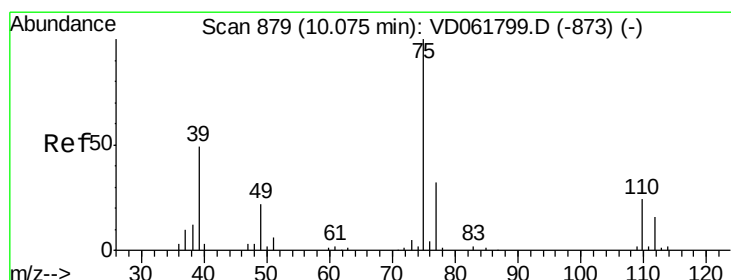
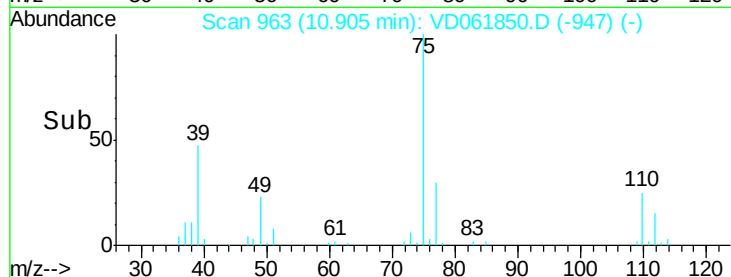
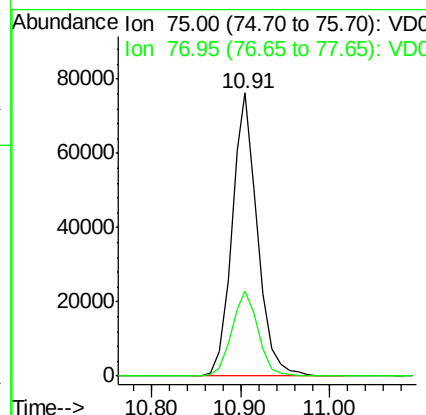
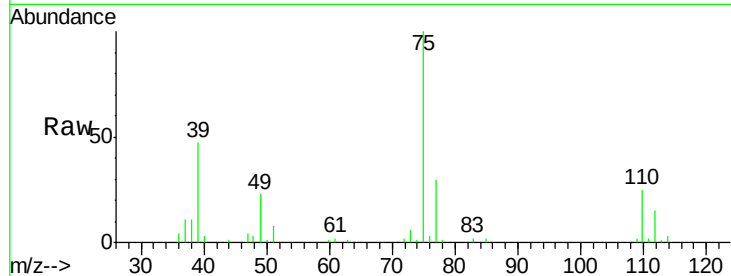




#53
 t-1,3-Dichloropropene
 Concen: 19.790 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.05 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

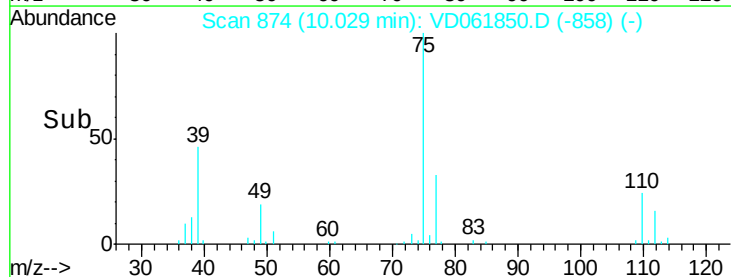
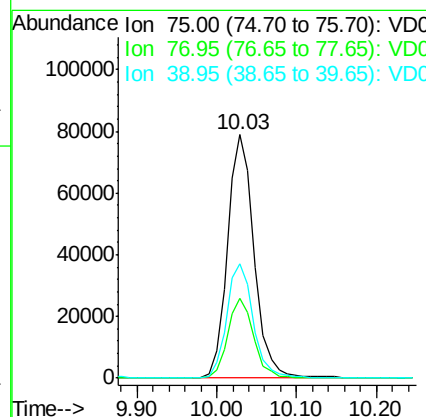
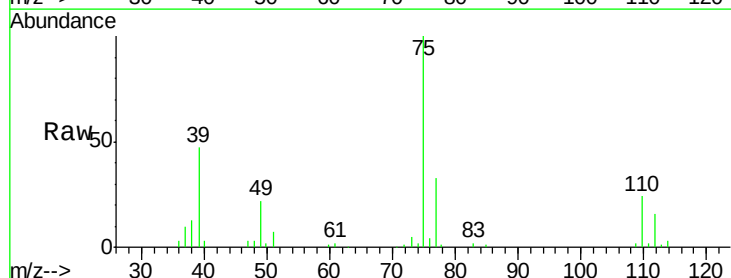
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

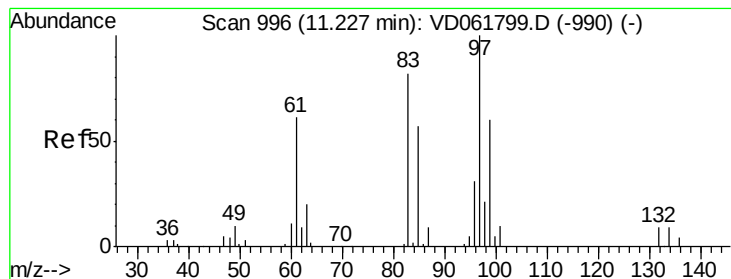
Tot Ion: 75 Resp: 151696
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.531 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.05 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

Tgt Ion: 75 Resp: 184739
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.5 38.3
 39 46.7 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 21.932 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.05 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 97 Resp: 94094

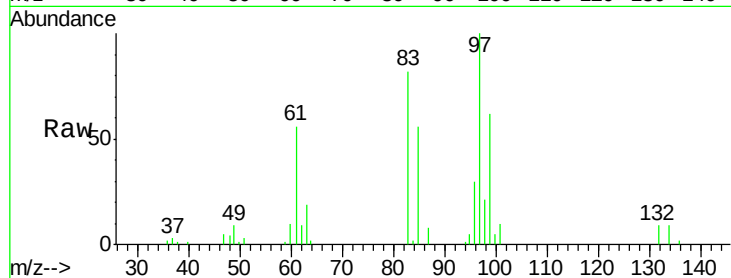
Ion Ratio Lower Upper

97 100

83 82.5 65.7 98.5

85 56.3 45.6 68.4

99 62.0 48.4 72.6

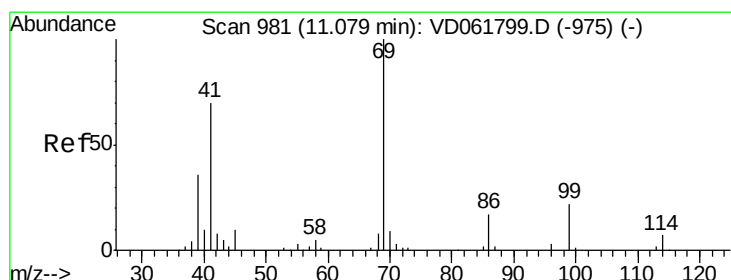
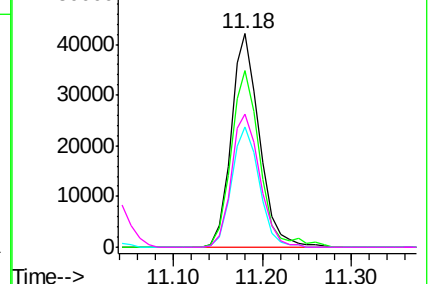
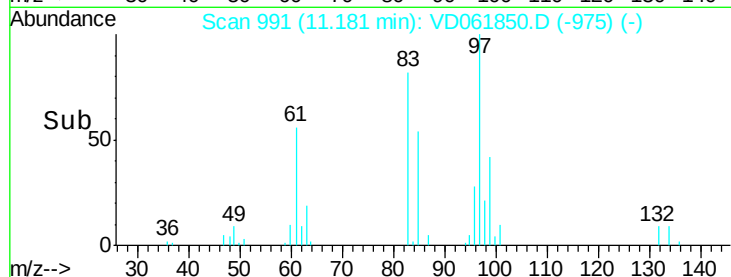


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 22.131 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.05 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

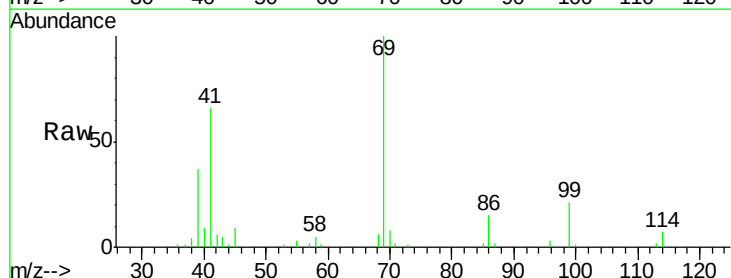
Tgt Ion: 69 Resp: 104205

Ion Ratio Lower Upper

69 100

41 65.5 56.3 84.5

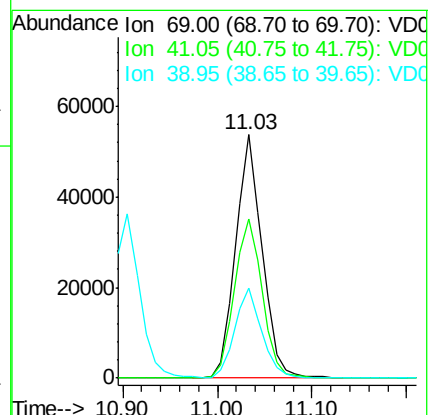
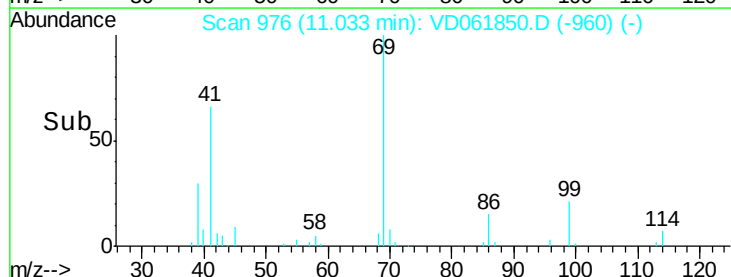
39 36.8 29.4 44.2

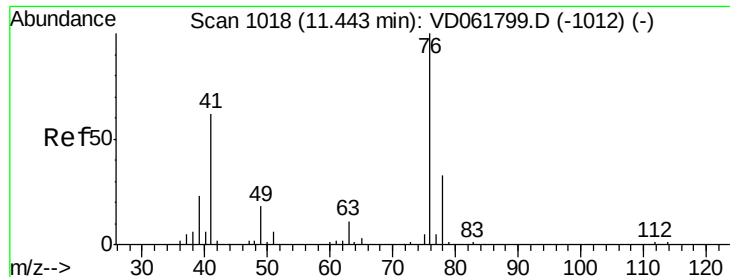


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

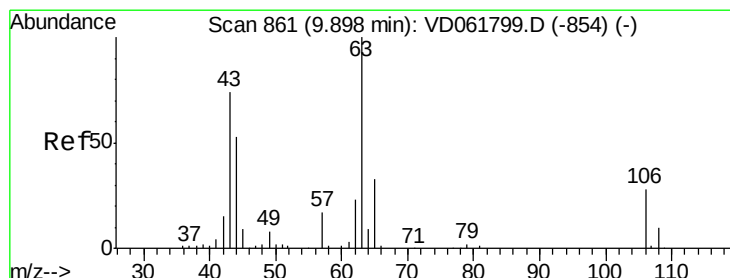
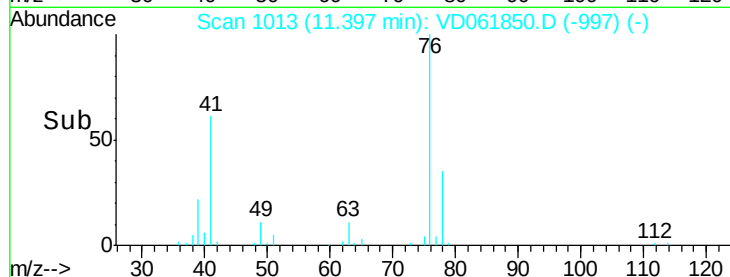
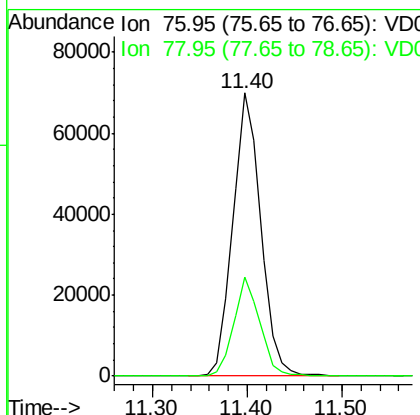
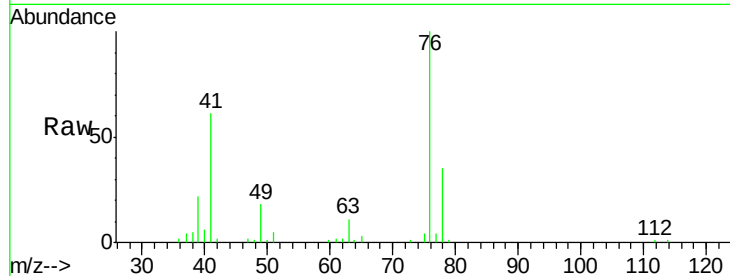




#57
 1,3-Dichloropropane
 Concen: 22.141 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.05 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

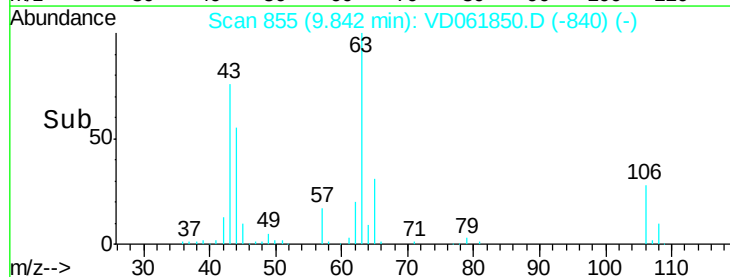
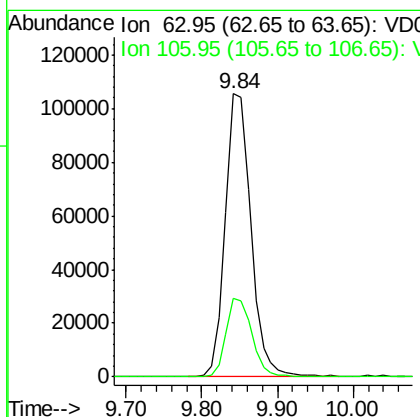
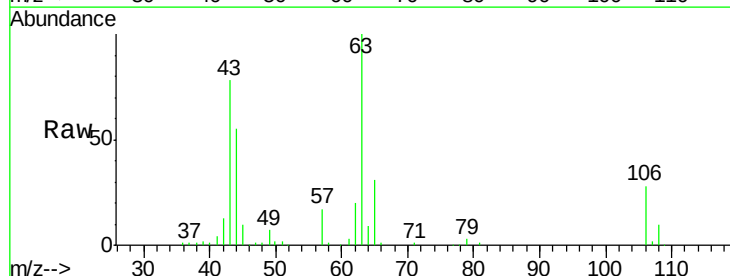
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBSD01

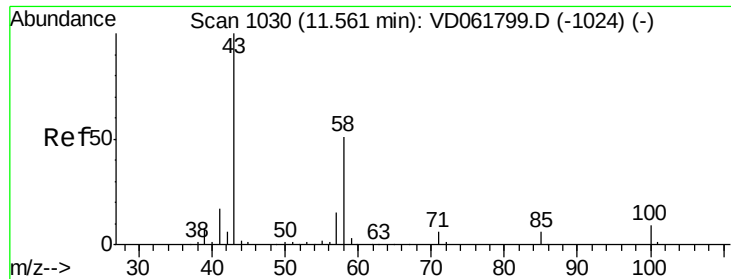
Tot Ion: 76 Resp: 142807
 Ion Ratio Lower Upper
 76 100
 78 35.0 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.713 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.06 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

Tgt Ion: 63 Resp: 247957
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.6 34.0

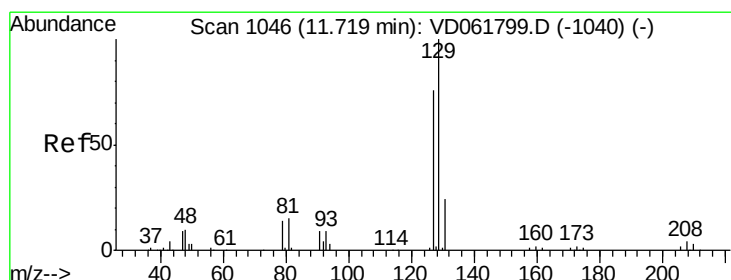
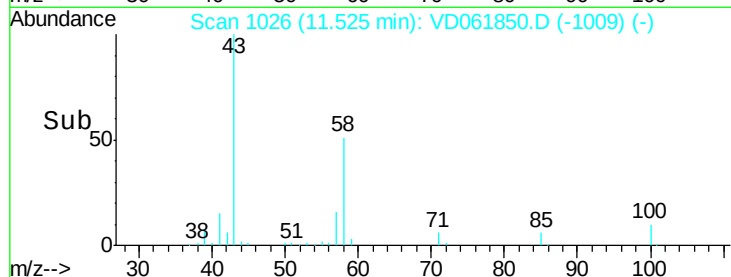
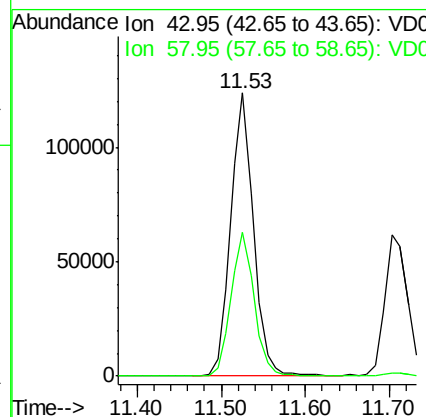
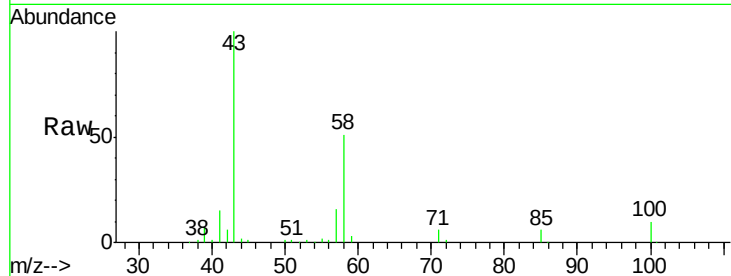




#59
2-Hexanone
Concen: 102.400 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.04 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

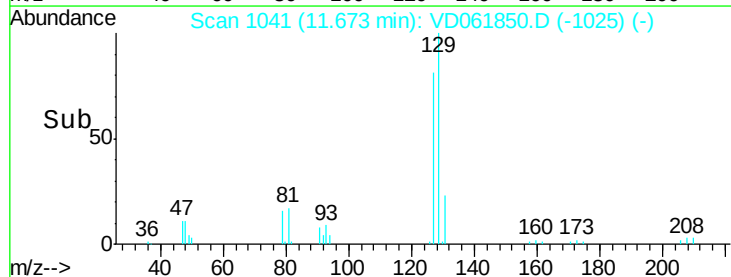
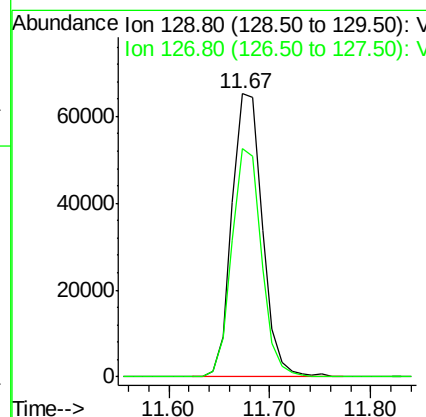
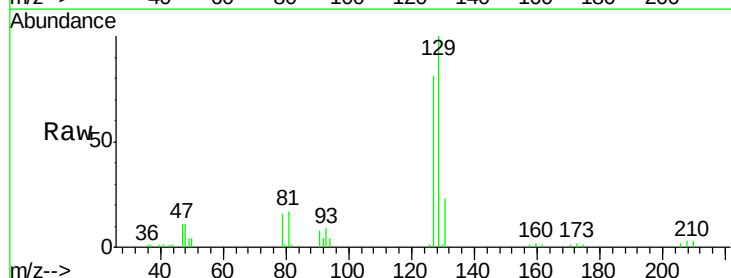
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

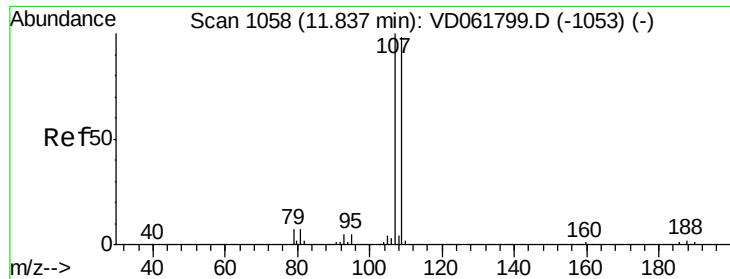
Tot Ion: 43 Resp: 231820
Ion Ratio Lower Upper
43 100
58 51.1 25.4 76.4



#60
Dibromochloromethane
Concen: 19.505 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.05 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion: 129 Resp: 136919
Ion Ratio Lower Upper
129 100
127 80.6 38.0 113.9

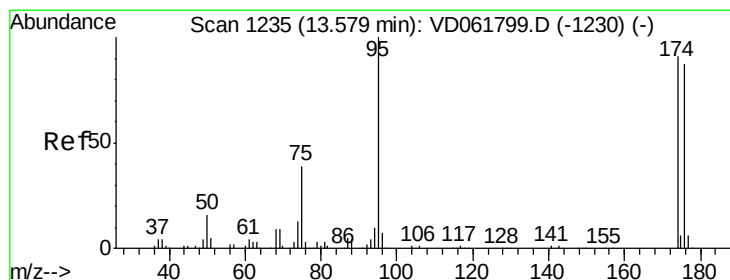
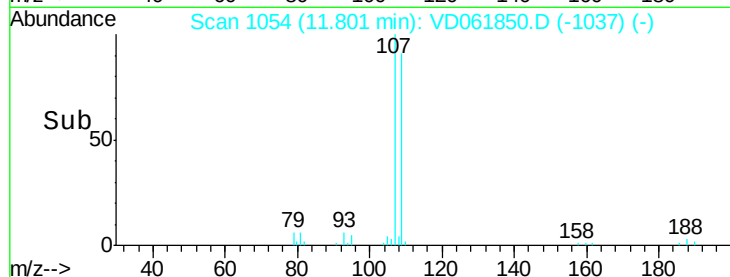
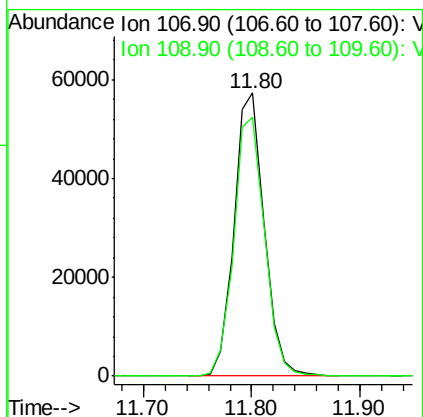
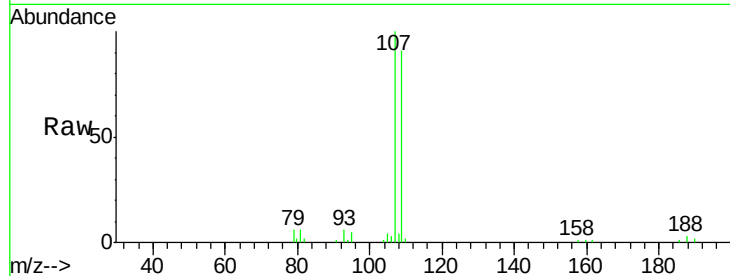




#61
 1,2-Dibromoethane
 Concen: 21.000 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.04 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

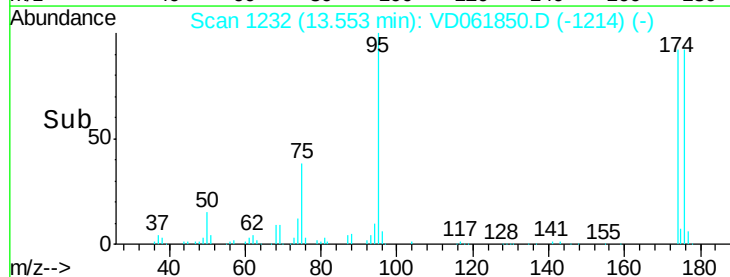
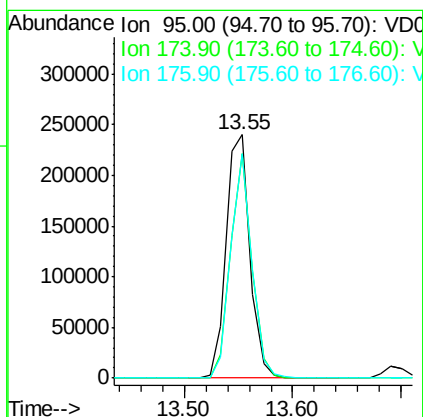
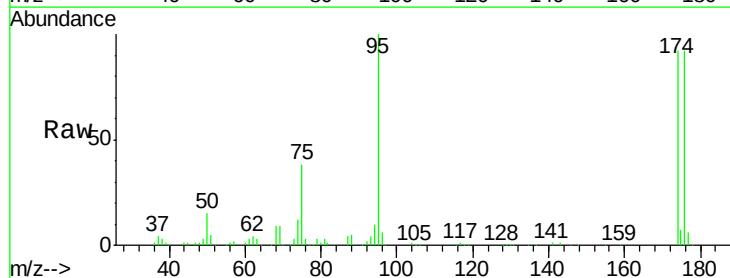
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBSD01

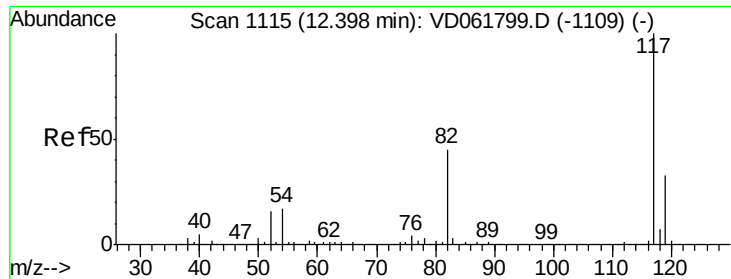
Tot Ion:107 Resp: 110782
 Ion Ratio Lower Upper
 107 100
 109 91.3 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 21.000 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.03 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

Tgt Ion: 95 Resp: 366812
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 181.8
 176 92.1 0.0 174.4

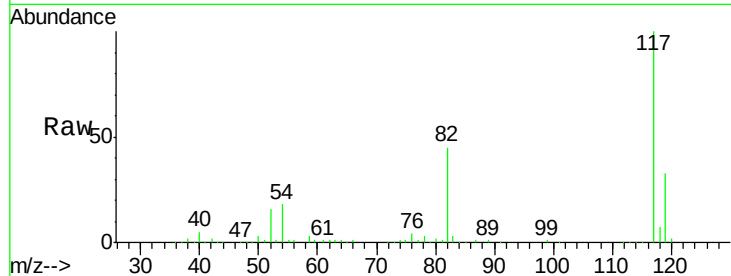




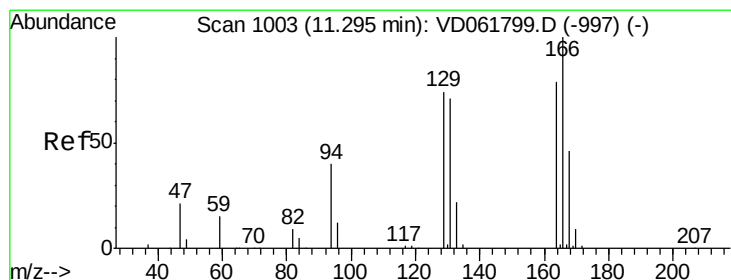
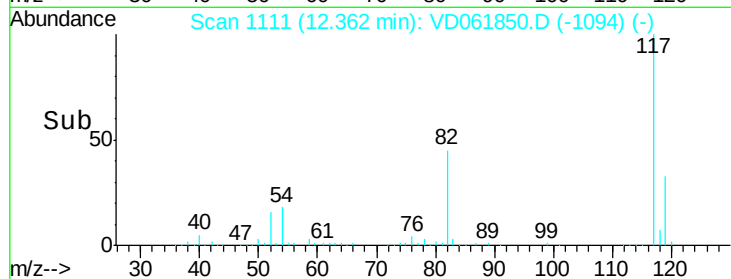
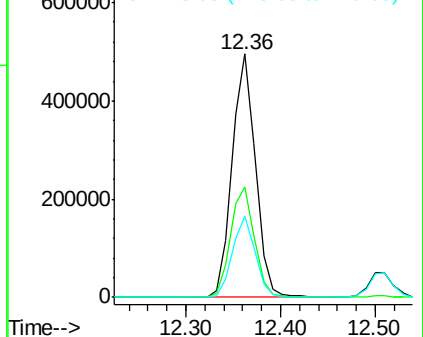
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.04 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

Tot Ion:117 Resp: 846648
Ion Ratio Lower Upper
117 100
82 45.3 36.2 54.2
119 33.3 26.2 39.4

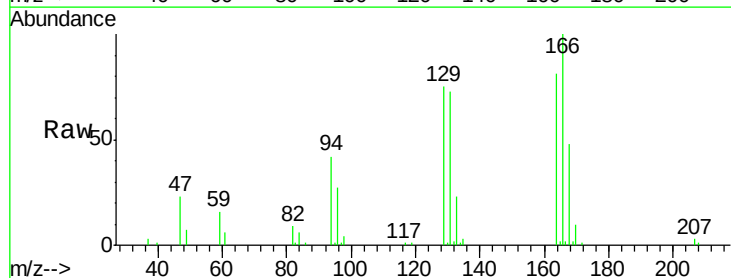


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

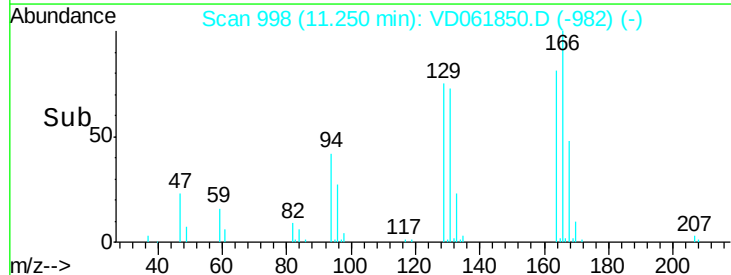
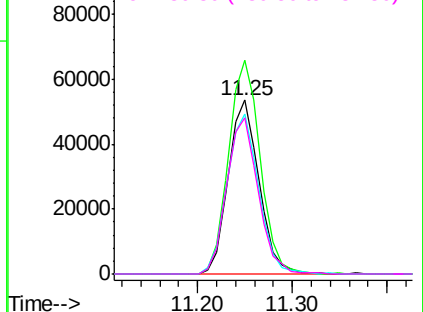


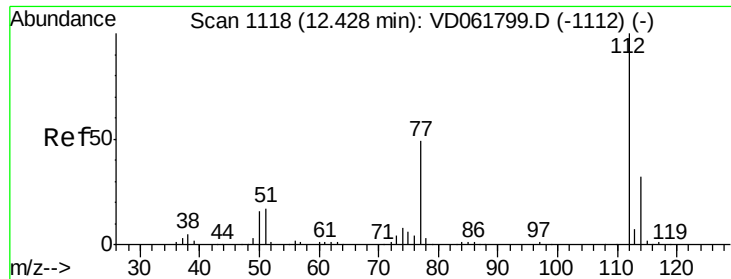
#64
Tetrachloroethene
Concen: 18.901 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.05 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion:164 Resp: 120014
Ion Ratio Lower Upper
164 100
166 122.7 101.5 152.3
129 92.3 74.6 112.0
131 90.0 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

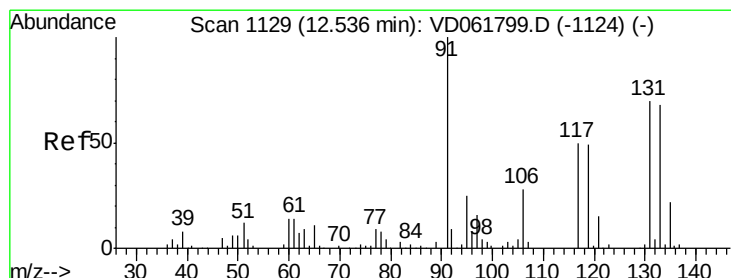
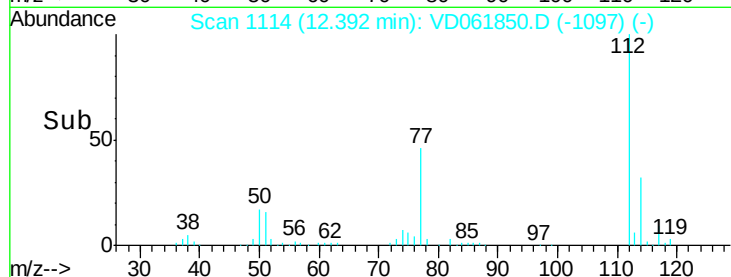
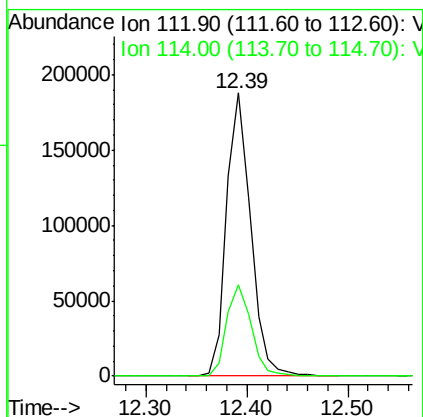
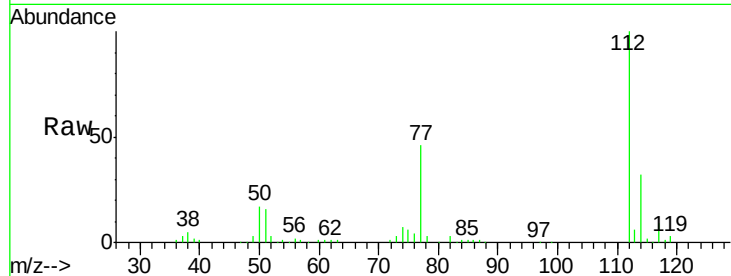




#65
Chlorobenzene
Concen: 19.832 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.04 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

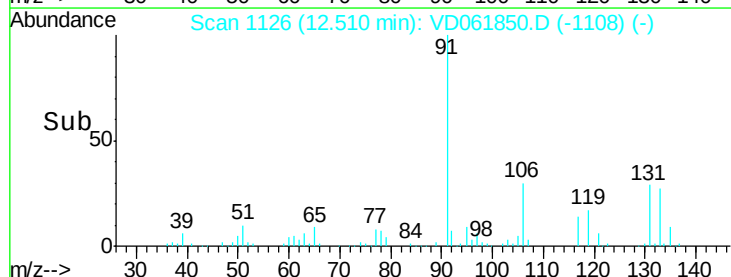
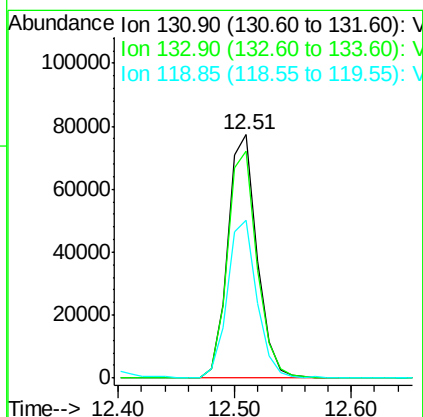
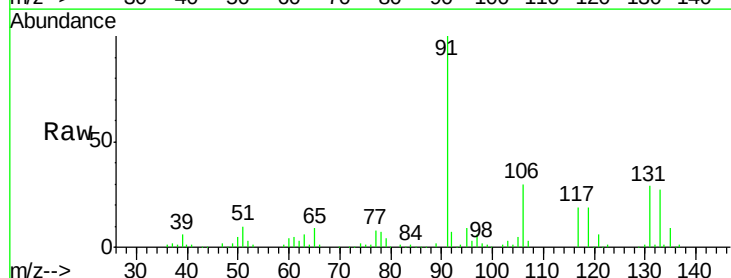
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

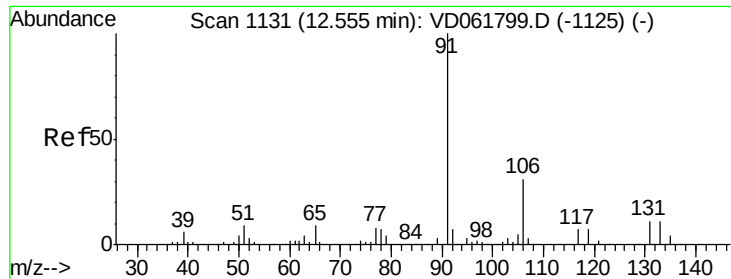
Tot Ion:112 Resp: 312695
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.376 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.03 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion:131 Resp: 134639
Ion Ratio Lower Upper
131 100
133 93.2 48.6 145.8
119 64.6 34.7 104.1

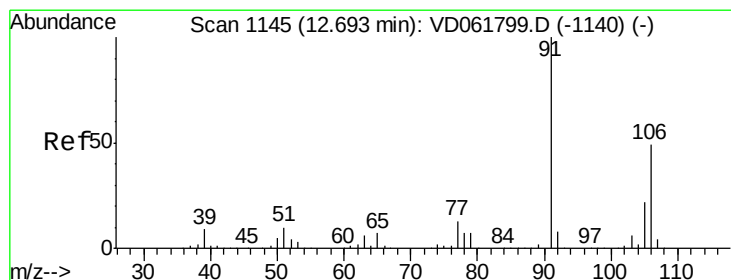
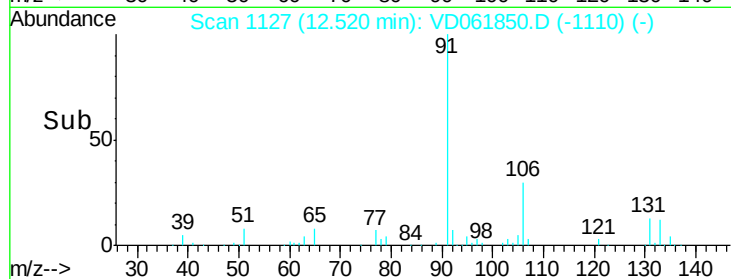
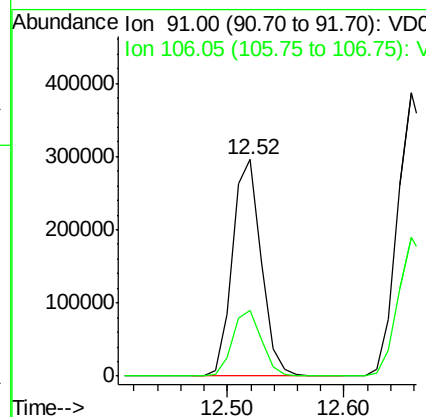
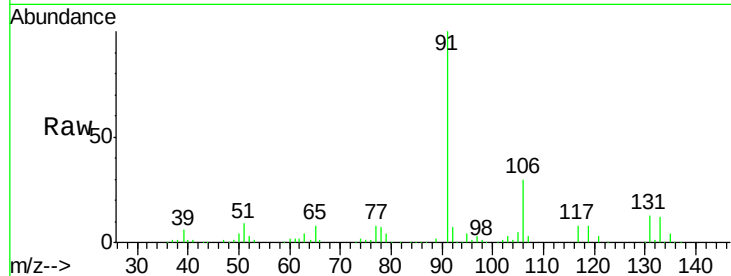




#67
Ethyl Benzene
Concen: 20.111 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.04 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

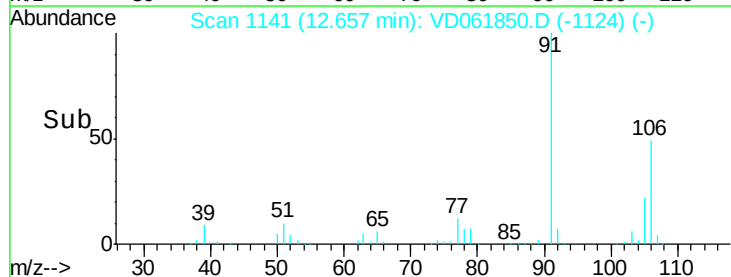
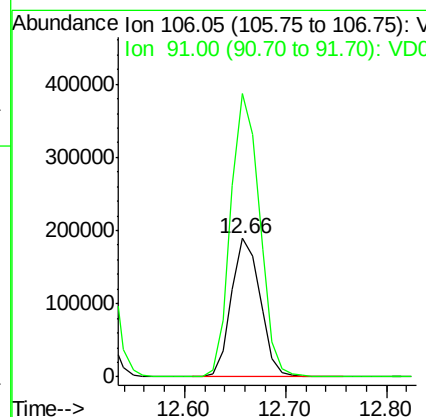
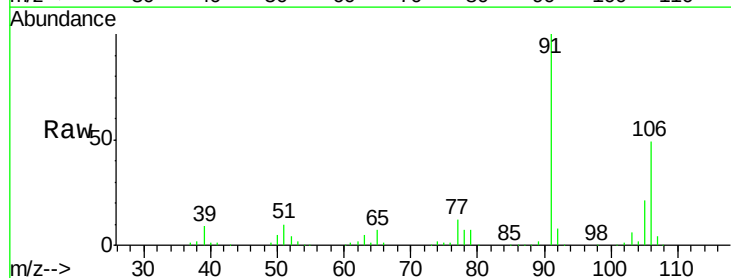
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

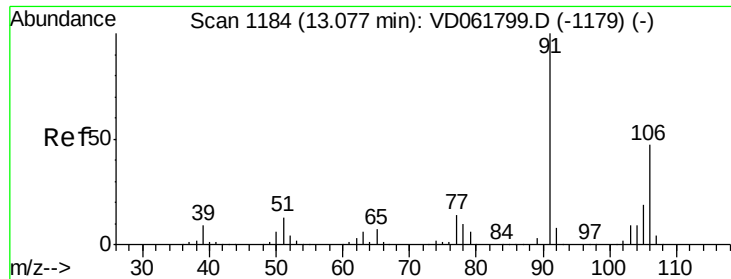
Tot Ion: 91 Resp: 507813
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1



#68
m/p-Xylenes
Concen: 39.695 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.04 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion: 106 Resp: 376502
Ion Ratio Lower Upper
106 100
91 204.3 164.0 246.0

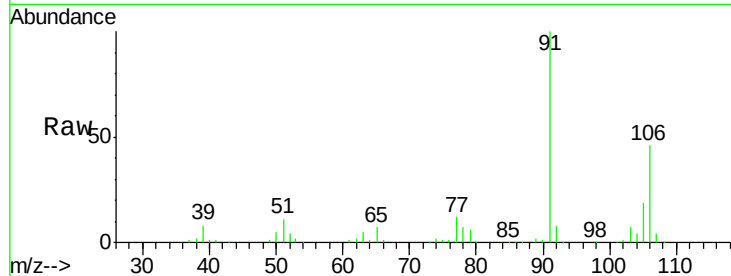




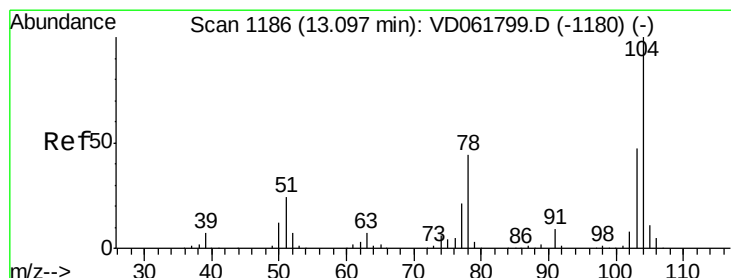
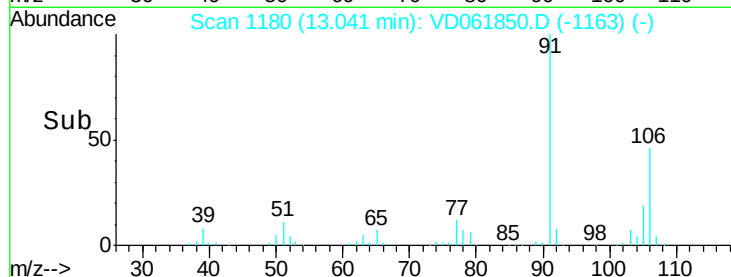
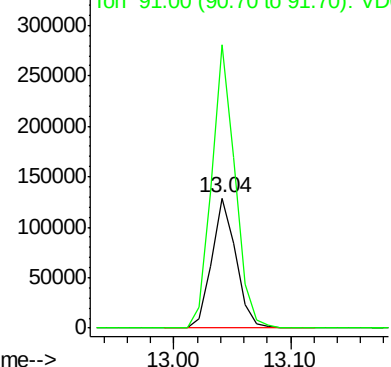
#69
o-Xylene
Concen: 20.811 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.04 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

Tot Ion:106 Resp: 185535
Ion Ratio Lower Upper
106 100
91 217.5 106.7 319.9

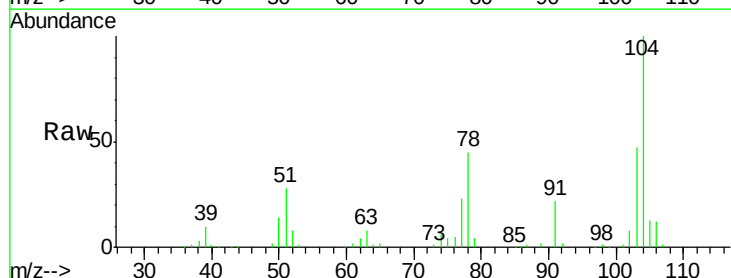


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

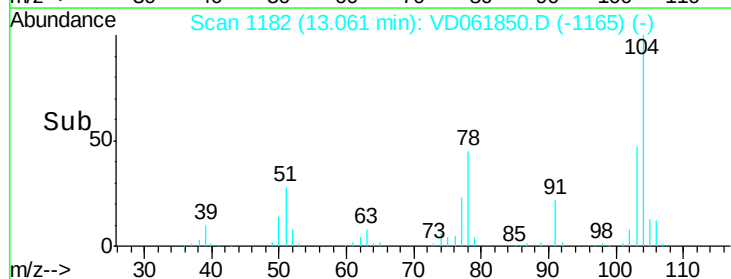
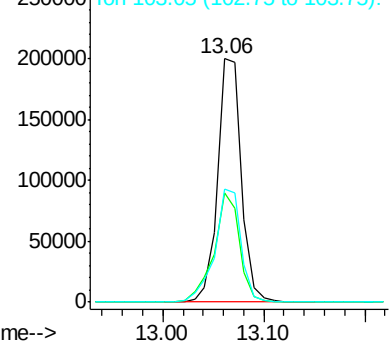


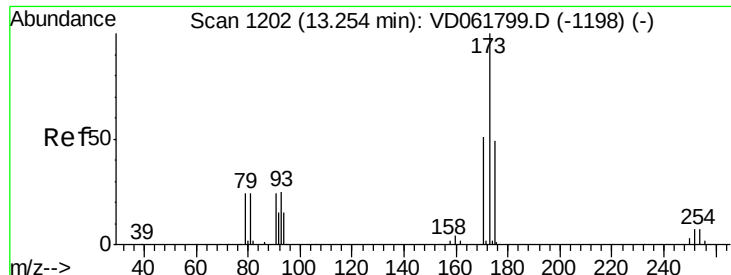
#70
Styrene
Concen: 21.301 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.04 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion:104 Resp: 326782
Ion Ratio Lower Upper
104 100
78 45.0 35.4 53.2
103 46.7 37.5 56.3



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





#71

Bromoform

Concen: 19.049 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.03 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

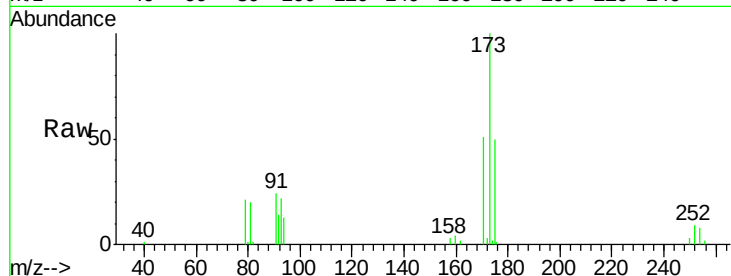
Tot Ion:173 Resp: 74713

Ion Ratio Lower Upper

173 100

175 50.4 24.4 73.4

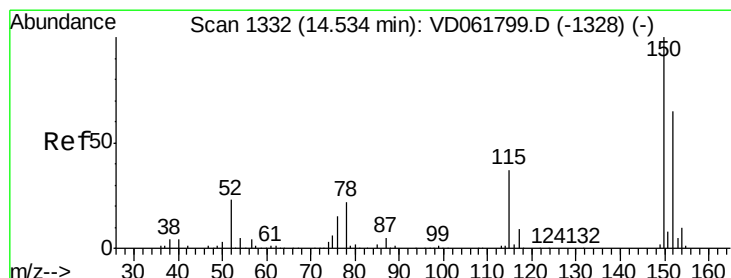
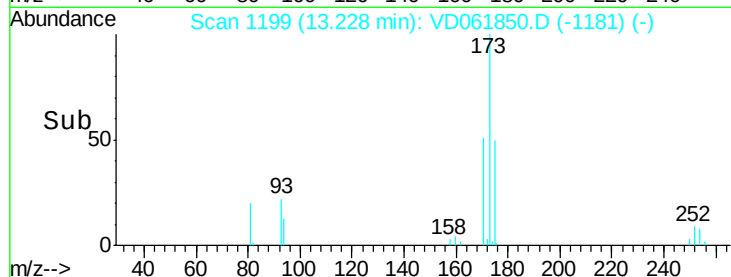
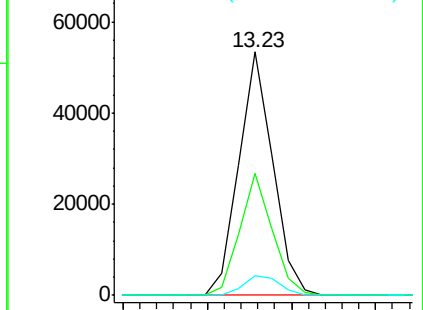
254 7.8 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.02 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

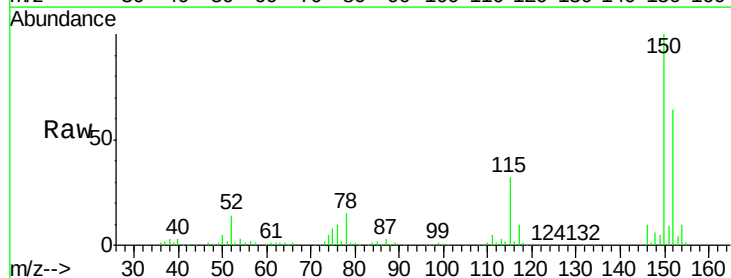
Tgt Ion:152 Resp: 387480

Ion Ratio Lower Upper

152 100

115 49.5 30.9 92.7

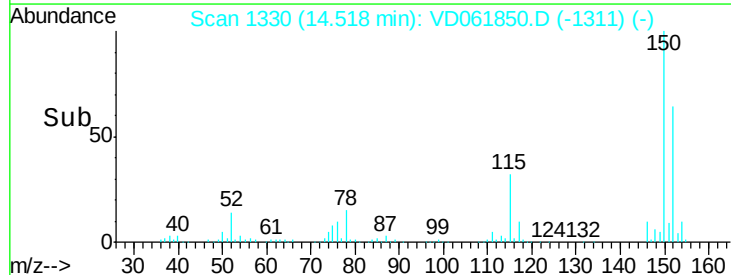
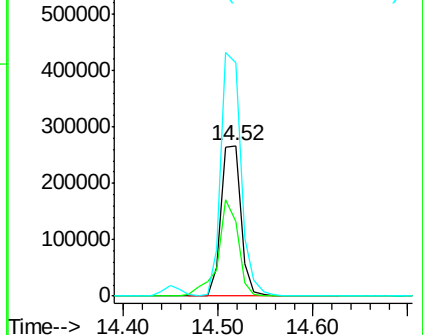
150 155.3 0.0 314.8

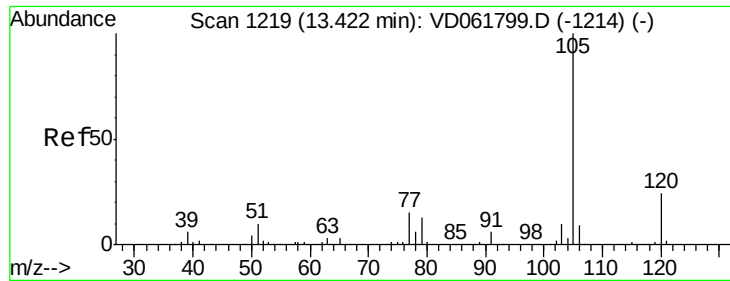


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.539 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.03 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

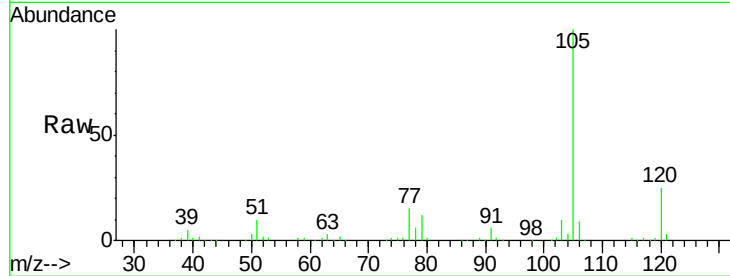
VD0417SBS01

Tot Ion:105 Resp: 465881

Ion Ratio Lower Upper

105 100

120 25.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

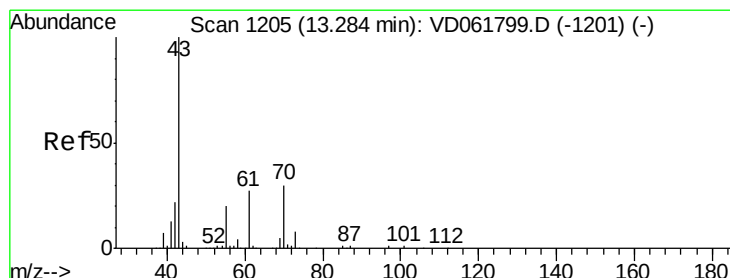
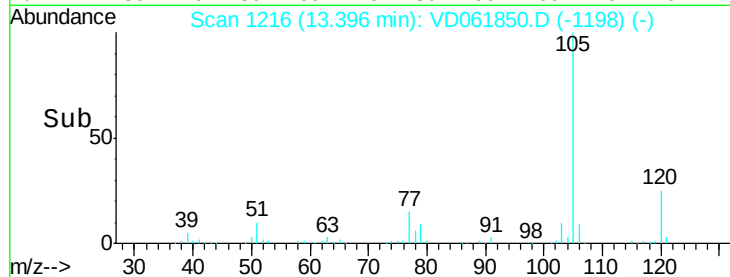
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 21.361 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.03 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Tgt Ion: 43 Resp: 144344

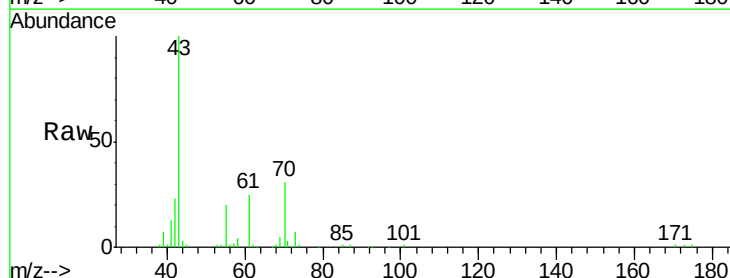
Ion Ratio Lower Upper

43 100

70 30.8 24.2 36.4

55 19.7 16.0 24.0

61 25.0 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.26

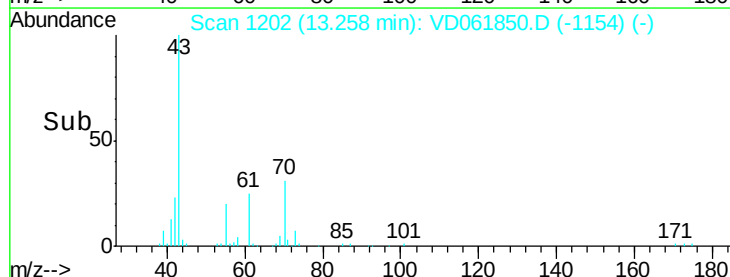
150000

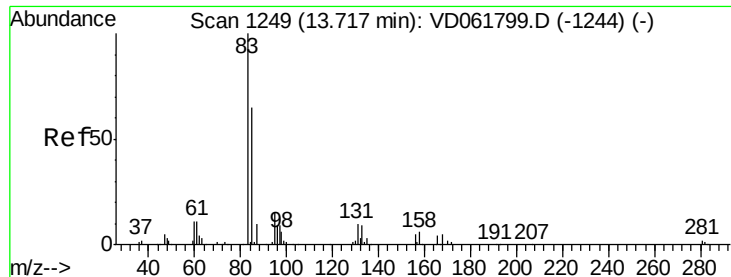
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 22.016 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.03 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

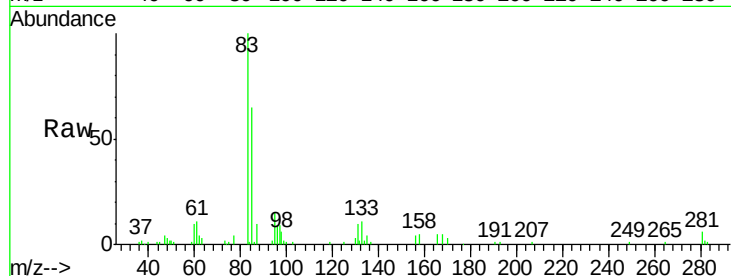
Tot Ion: 83 Resp: 109359

Ion Ratio Lower Upper

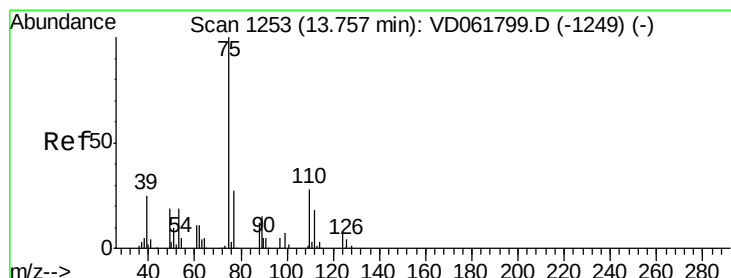
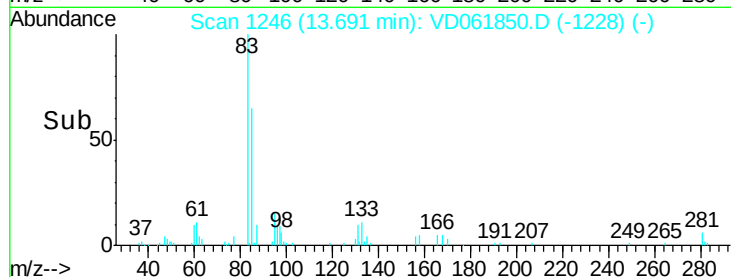
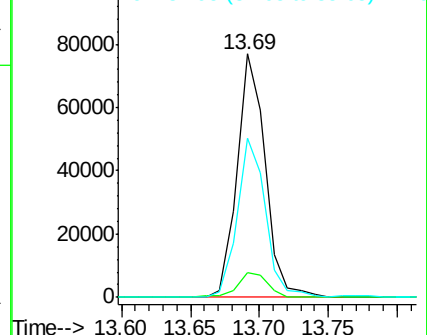
83 100

131 10.0 5.0 14.9

85 65.2 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.595 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.03 min

Lab File: VD061850.D

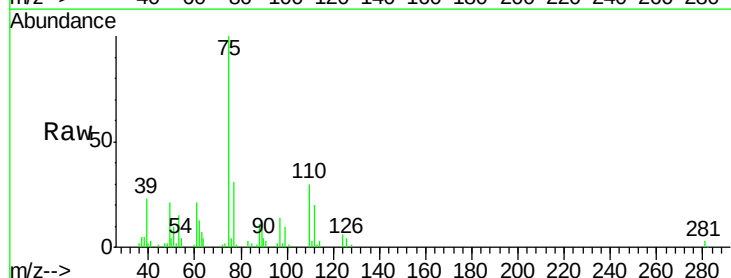
Acq: 17 Apr 2019 14:03

Tgt Ion: 75 Resp: 104800

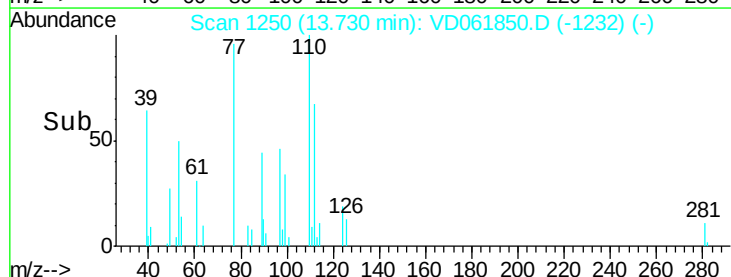
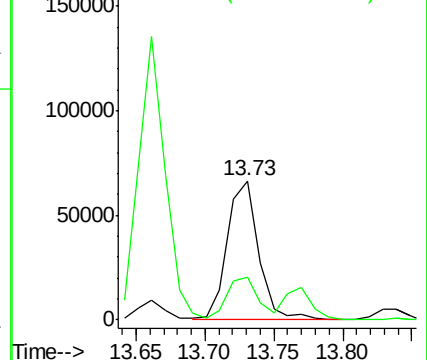
Ion Ratio Lower Upper

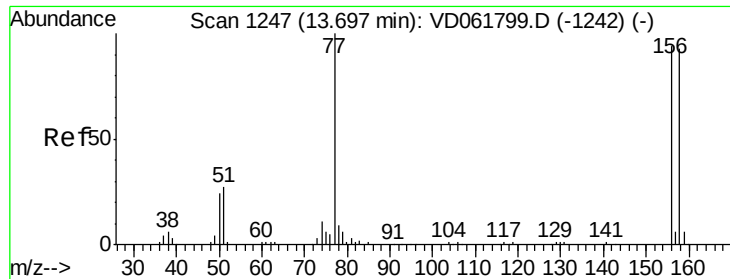
75 100

77 30.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.589 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.04 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

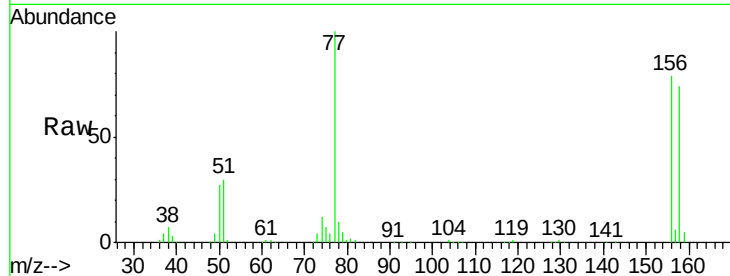
Tot Ion:156 Resp: 146971

Ion Ratio Lower Upper

156 100

77 125.8 53.1 159.4

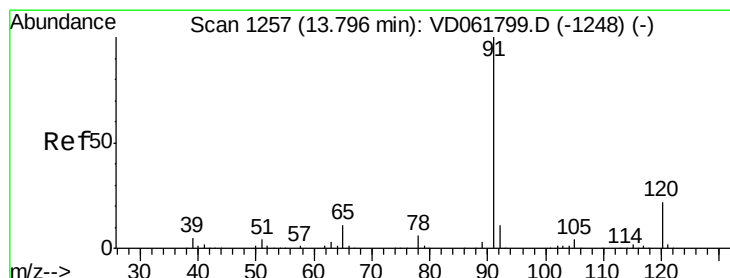
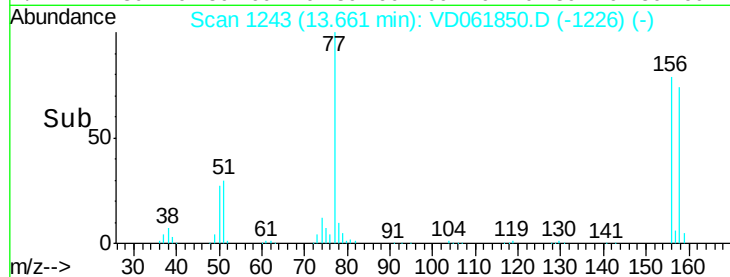
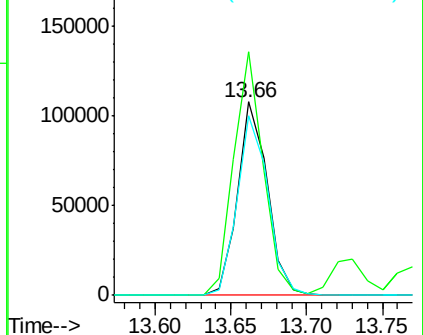
158 92.8 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.460 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.03 min

Lab File: VD061850.D

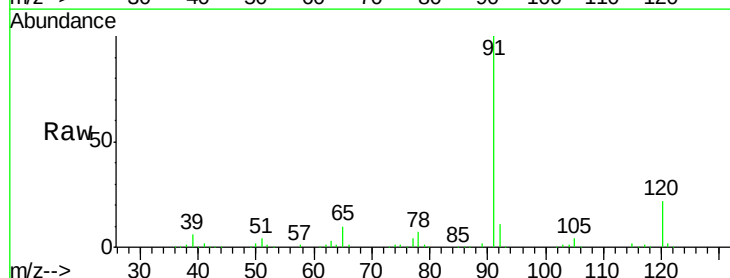
Acq: 17 Apr 2019 14:03

Tgt Ion: 91 Resp: 594016

Ion Ratio Lower Upper

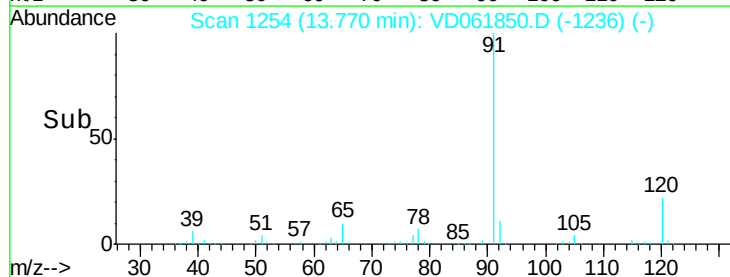
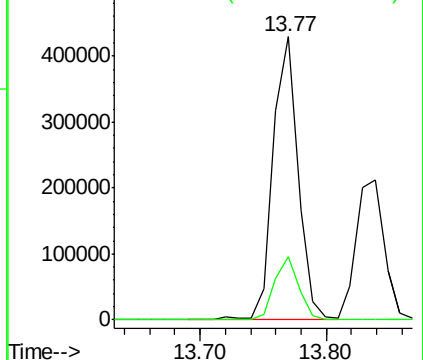
91 100

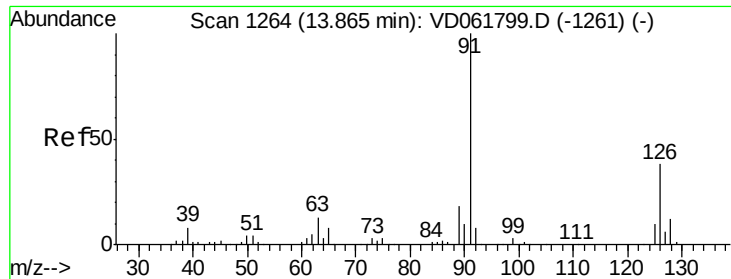
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.280 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.03 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

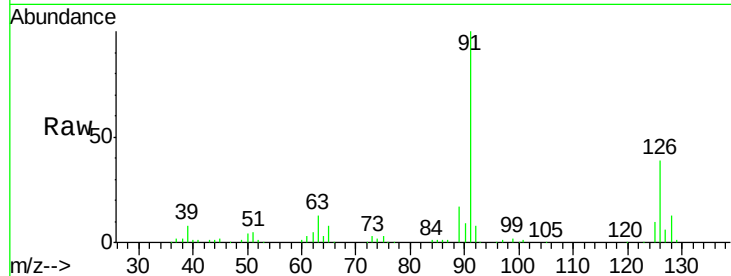
VD0417SBSD01

Tot Ion: 91 Resp: 326997

Ion Ratio Lower Upper

91 100

126 39.1 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VD061799.D (-1261) (-)

Ion 125.95 (125.65 to 126.65): VD061799.D (-1261) (-)

500000

400000

300000

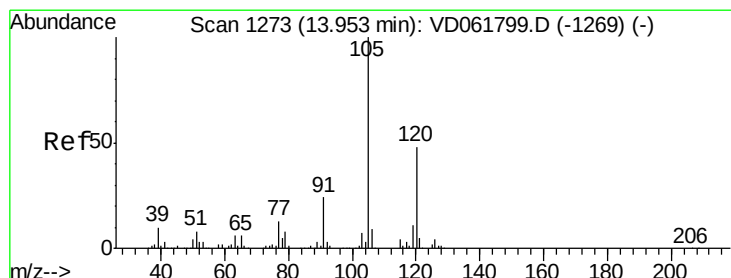
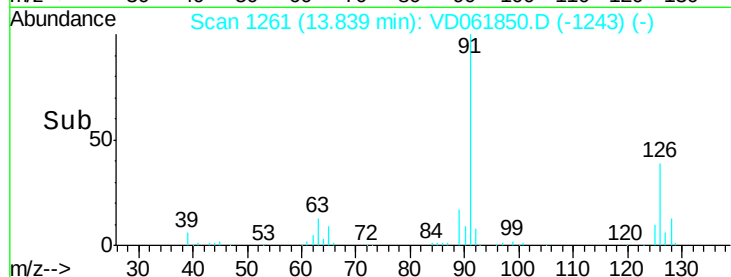
200000

100000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.349 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.03 min

Lab File: VD061850.D

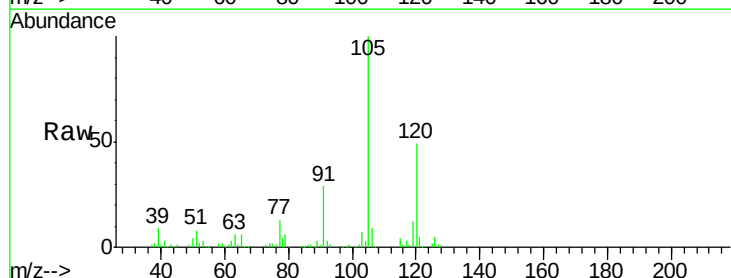
Acq: 17 Apr 2019 14:03

Tgt Ion: 105 Resp: 405749

Ion Ratio Lower Upper

105 100

120 48.8 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061799.D (-1269) (-)

Ion 120.05 (119.75 to 120.75): VD061799.D (-1269) (-)

300000

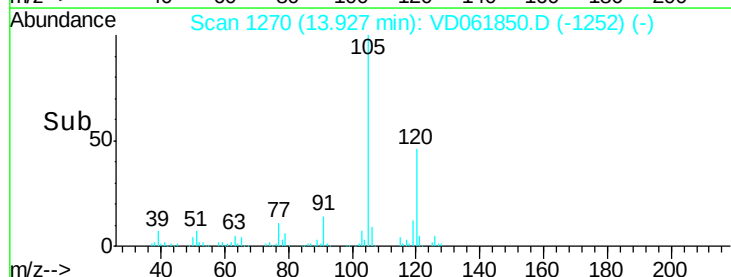
200000

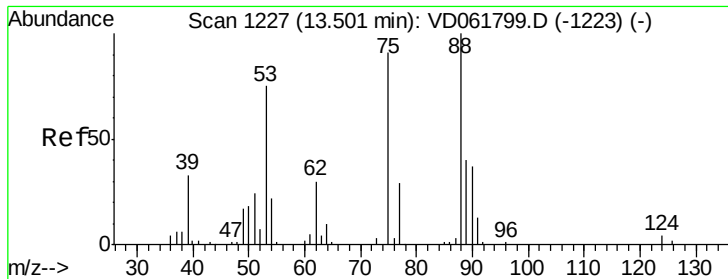
100000

0

13.80 13.90 14.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.383 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.04 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

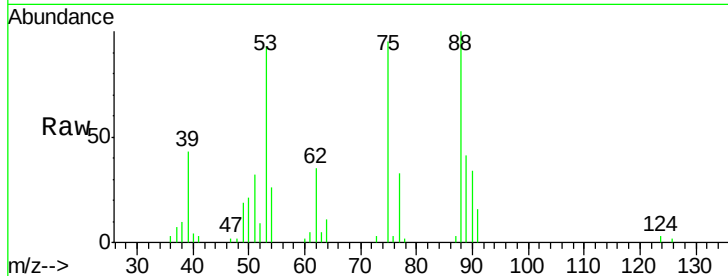
Tot Ion: 75 Resp: 26609

Ion Ratio Lower Upper

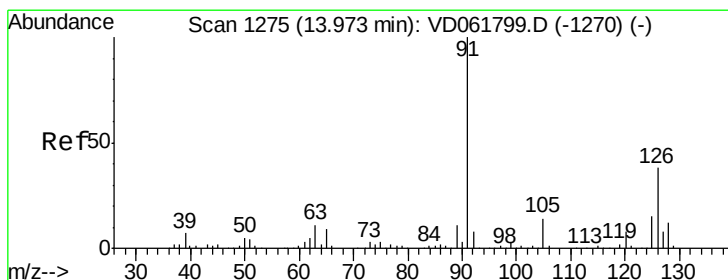
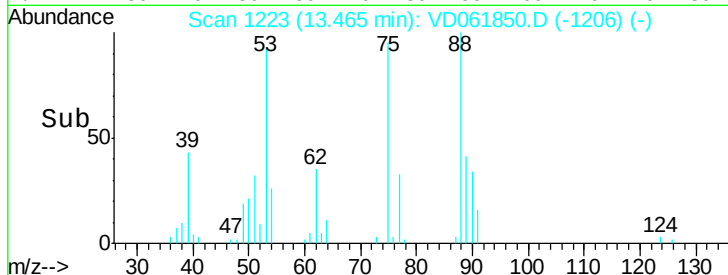
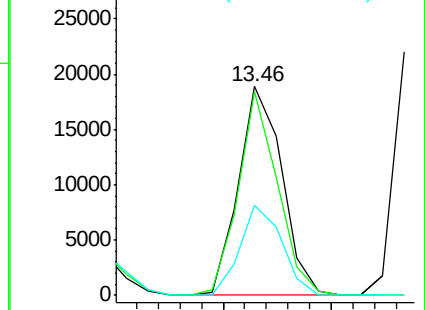
75 100

53 98.0 65.8 98.8

89 43.2 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.027 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.04 min

Lab File: VD061850.D

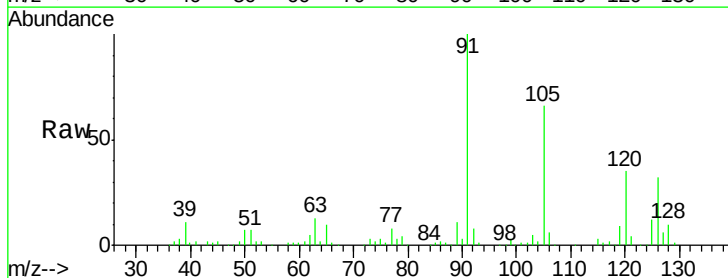
Acq: 17 Apr 2019 14:03

Tgt Ion: 91 Resp: 388790

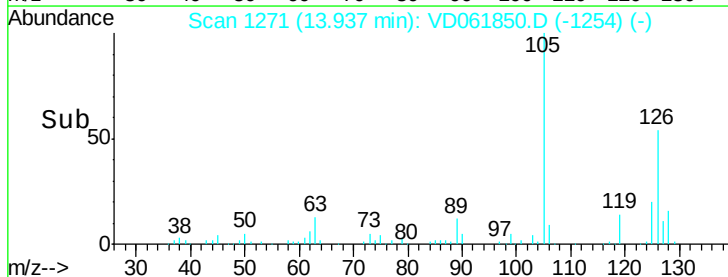
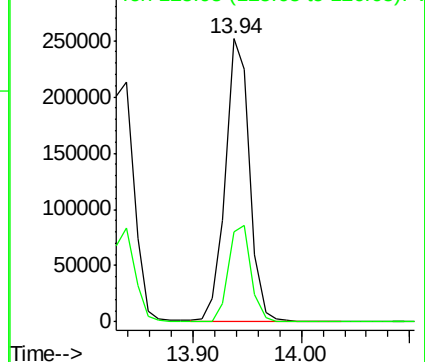
Ion Ratio Lower Upper

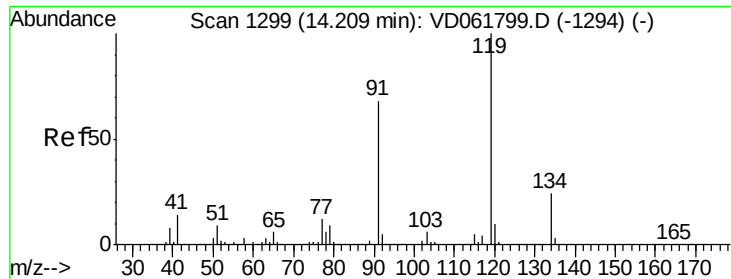
91 100

126 31.9 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

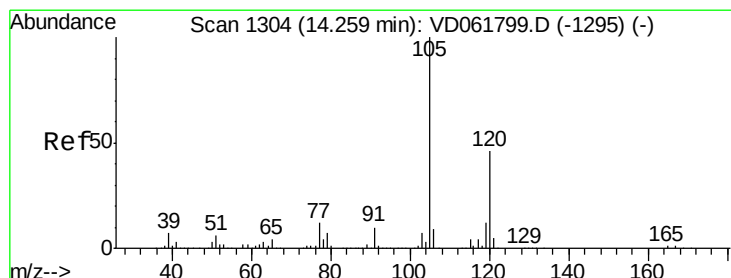
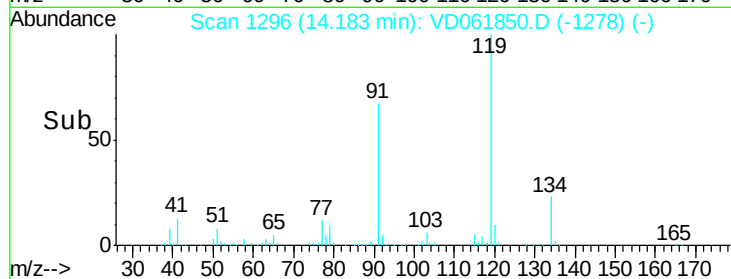
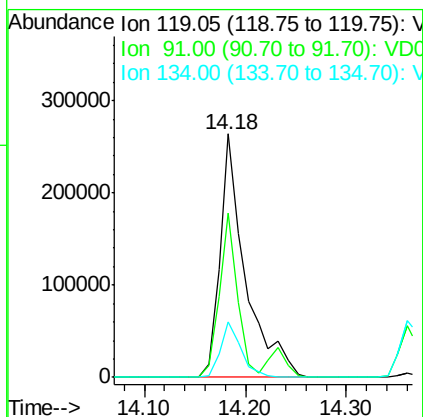
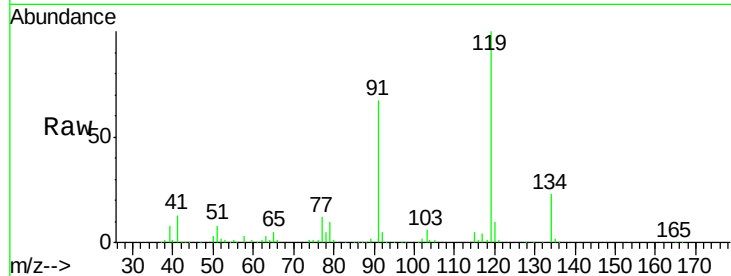




#83
 tert-Butylbenzene
 Concen: 19.847 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.03 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

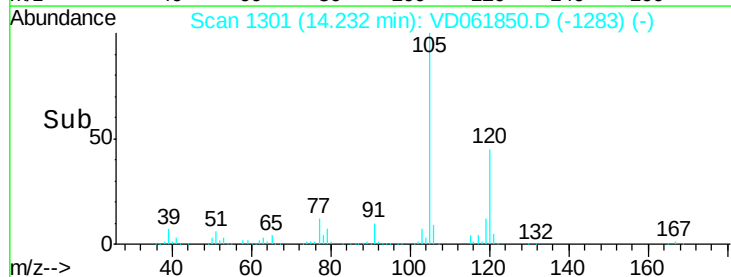
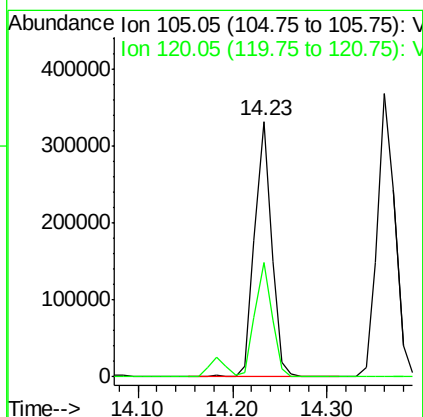
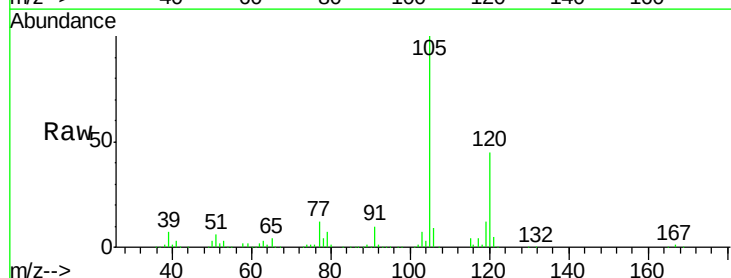
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBSD01

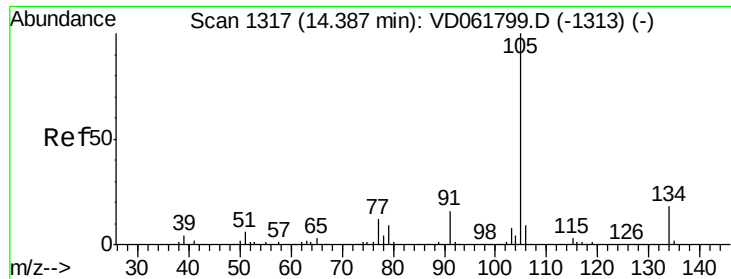
Tot Ion:119 Resp: 464654
 Ion Ratio Lower Upper
 119 100
 91 67.3 34.2 102.6
 134 22.7 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.727 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.03 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

Tgt Ion:105 Resp: 415431
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 20.131 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.03 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

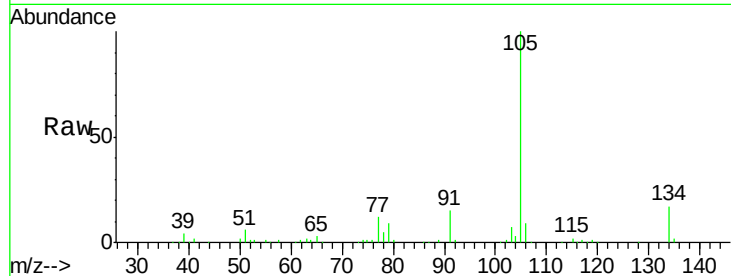
VD0417SBSD01

Tot Ion:105 Resp: 487239

Ion Ratio Lower Upper

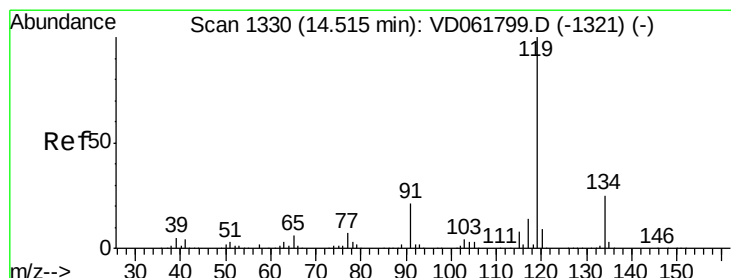
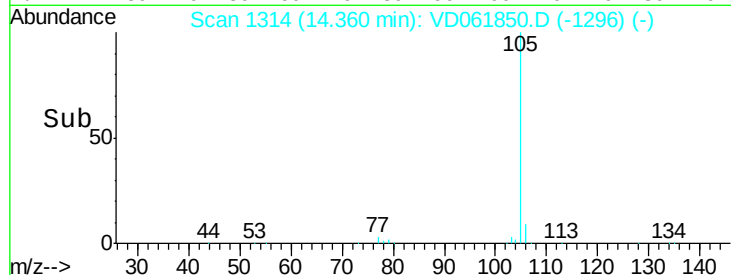
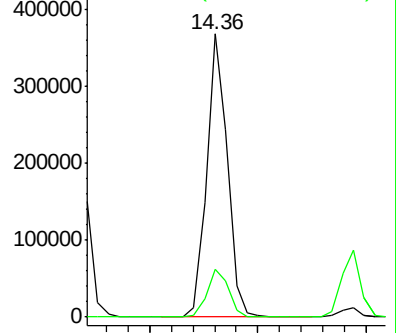
105 100

134 16.7 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: 19.267 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.03 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

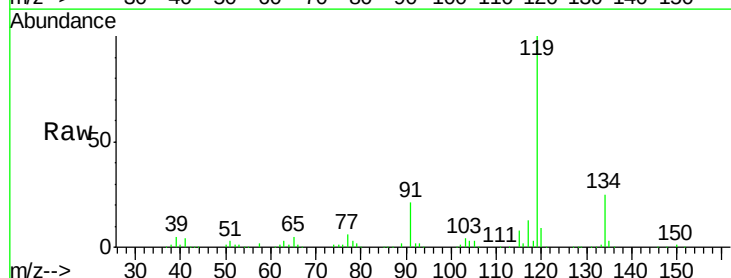
Tgt Ion:119 Resp: 436315

Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.3

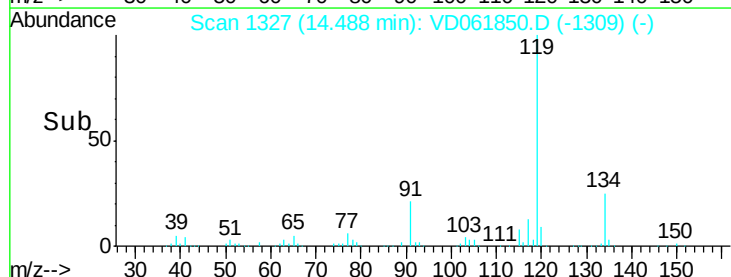
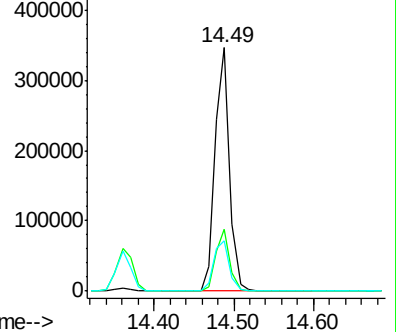
91 20.7 10.7 32.1

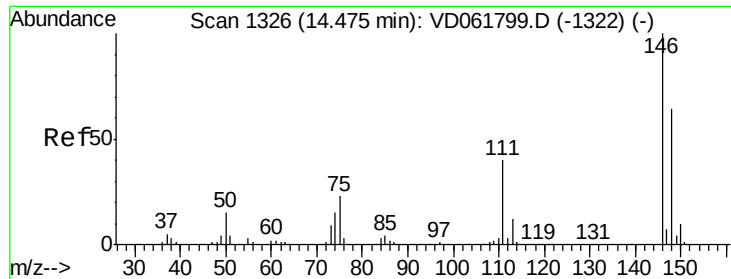


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

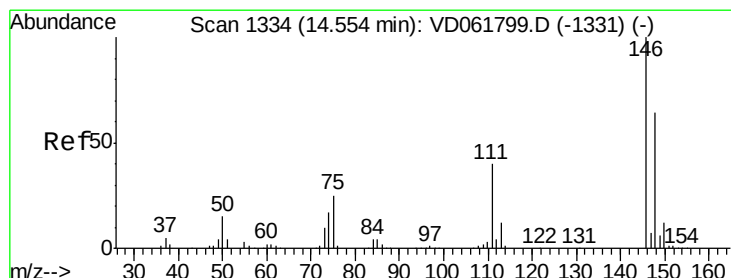
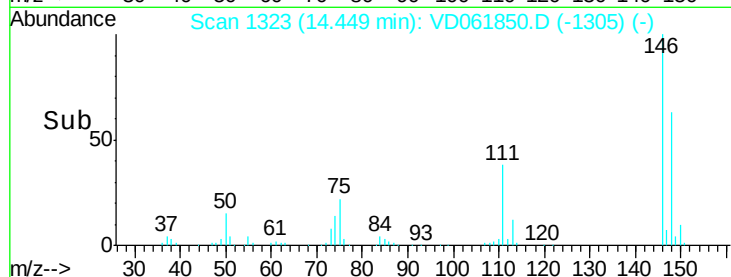
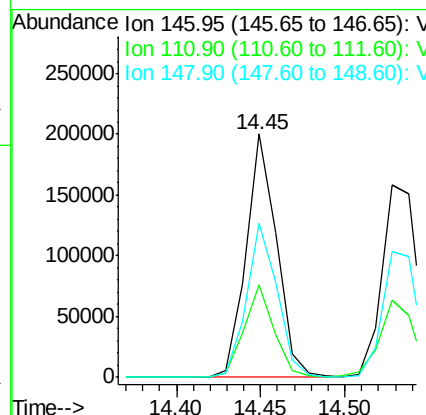
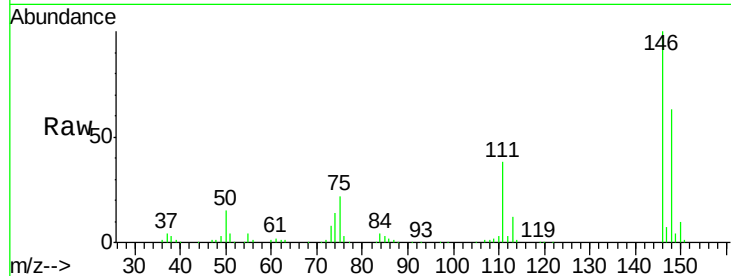




#87
 1,3-Dichlorobenzene
 Concen: 20.173 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.03 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

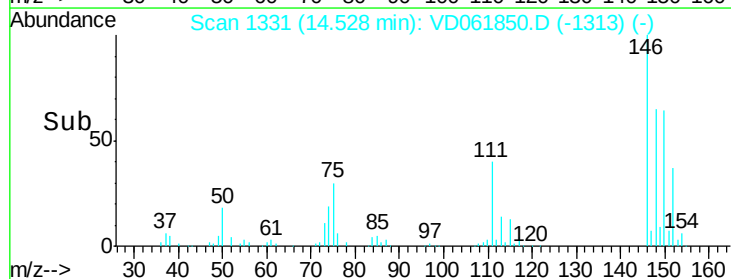
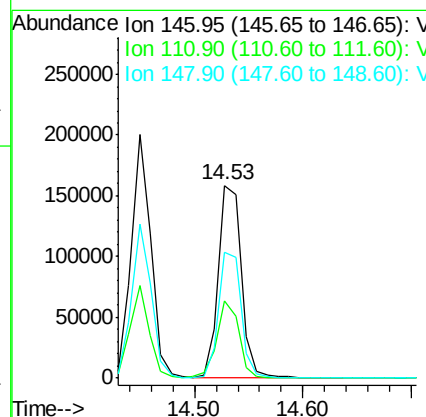
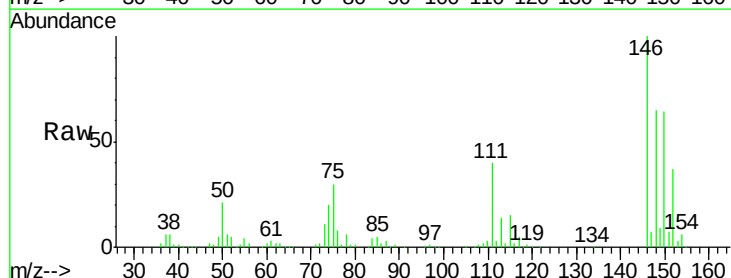
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

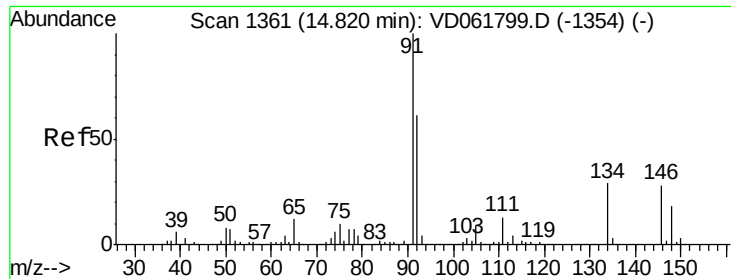
Tot Ion:146 Resp: 251391
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.0 60.0
 148 63.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.009 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.03 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

Tgt Ion:146 Resp: 234158
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.2 60.5
 148 65.1 32.0 96.2





#89

n-Butylbenzene

Concen: 20.187 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.03 min

Lab File: VD061850.D

Acq: 17 Apr 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

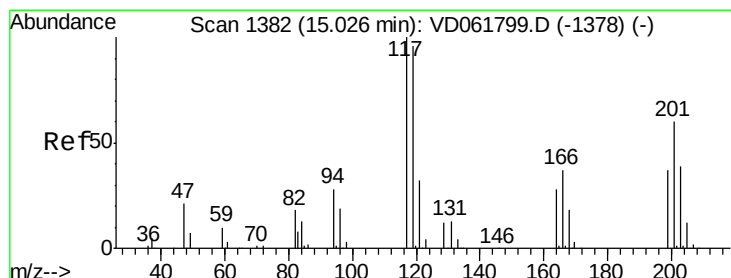
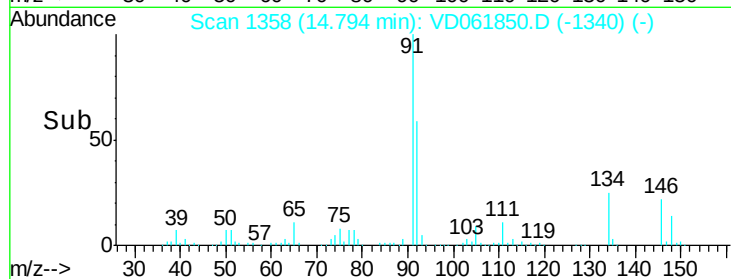
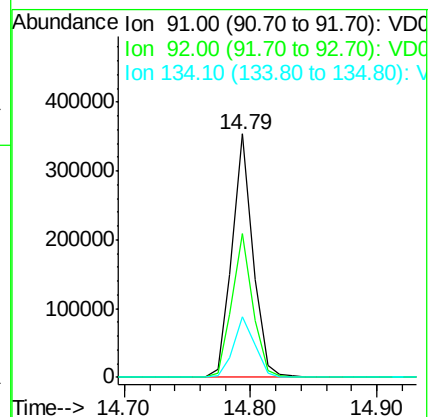
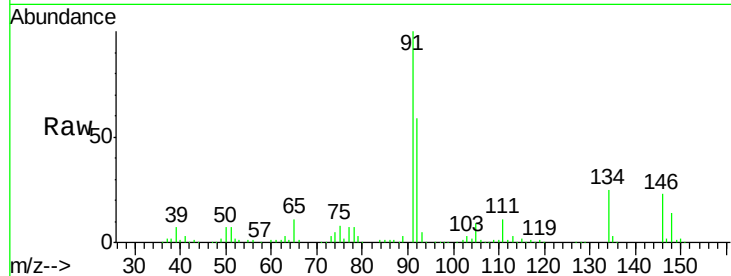
Tot Ion: 91 Resp: 404650

Ion Ratio Lower Upper

91 100

92 59.3 30.3 91.0

134 25.0 14.5 43.6



#90

Hexachloroethane

Concen: 19.589 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.03 min

Lab File: VD061850.D

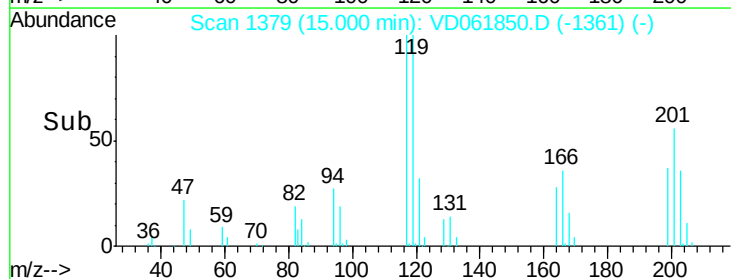
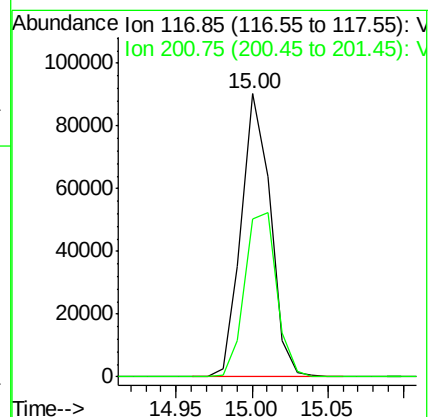
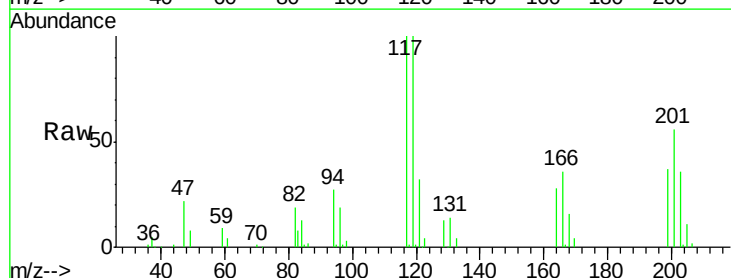
Acq: 17 Apr 2019 14:03

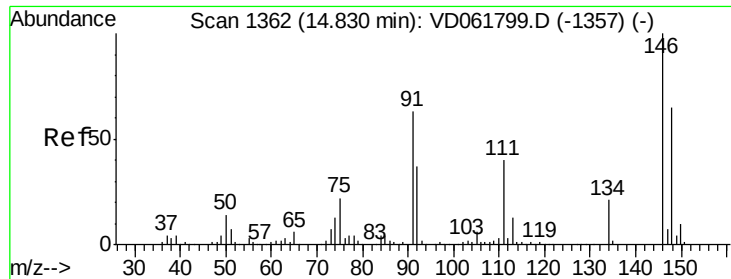
Tgt Ion: 117 Resp: 120906

Ion Ratio Lower Upper

117 100

201 55.8 30.2 90.6

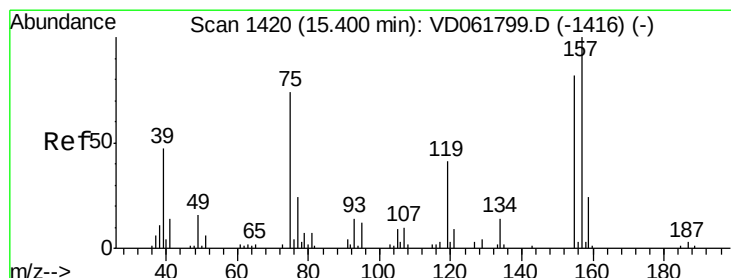
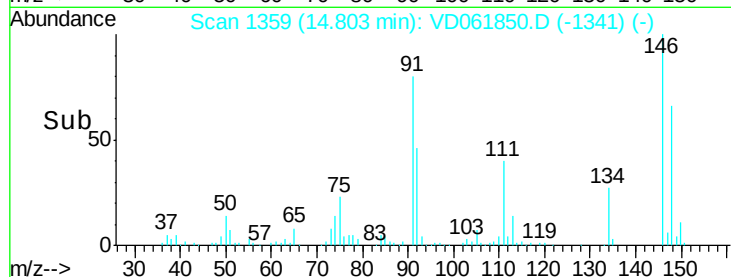
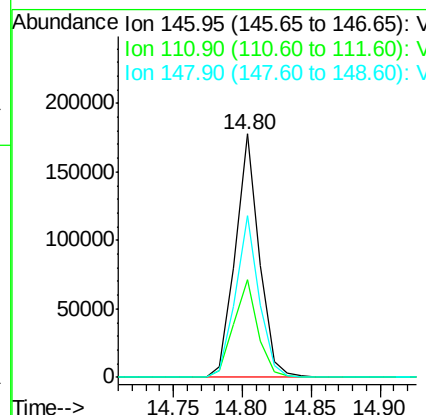
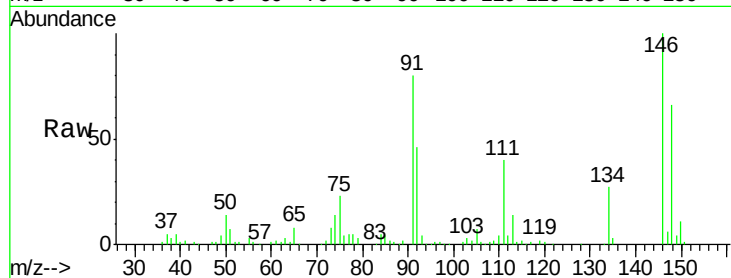




#91
 1,2-Dichlorobenzene
 Concen: 20.540 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.03 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

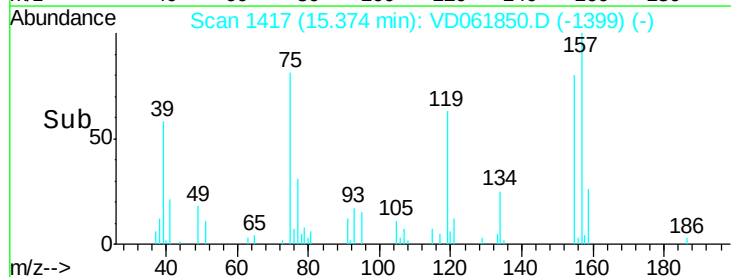
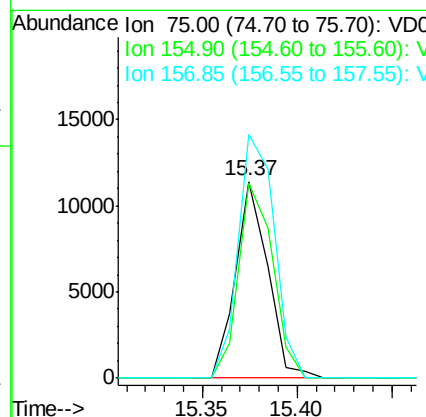
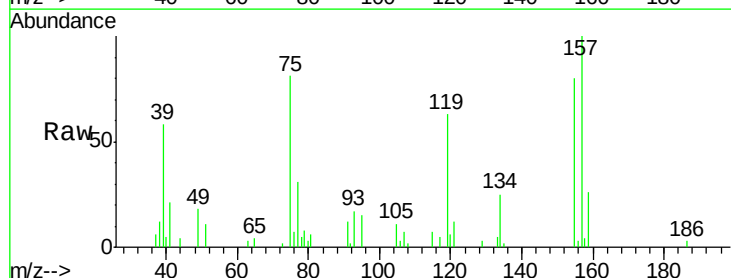
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBSD01

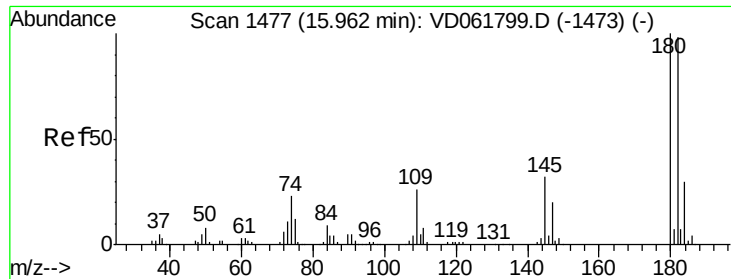
Tot Ion:146 Resp: 214402
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 59.9
 148 66.2 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.279 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.03 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

Tgt Ion: 75 Resp: 13404
 Ion Ratio Lower Upper
 75 100
 155 98.8 55.3 165.8
 157 123.8 67.8 203.2

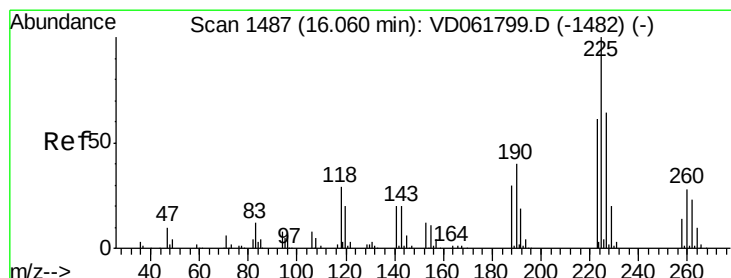
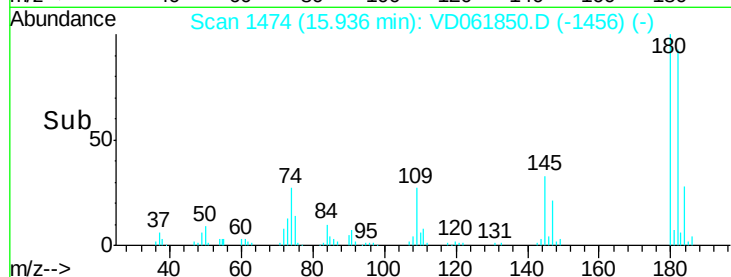
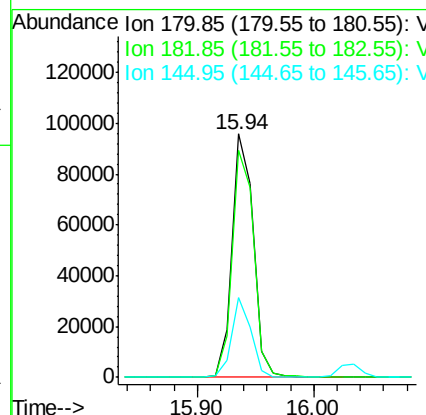
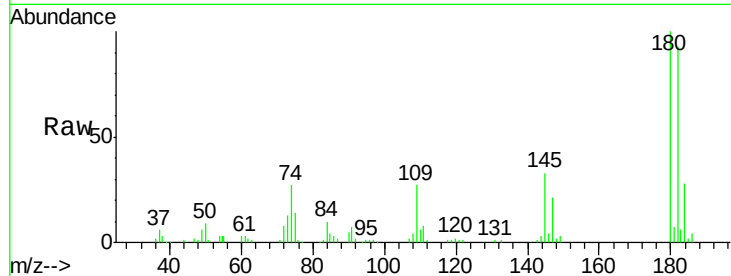




#93
 1,2,4-Trichlorobenzene
 Concen: 21.195 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.03 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

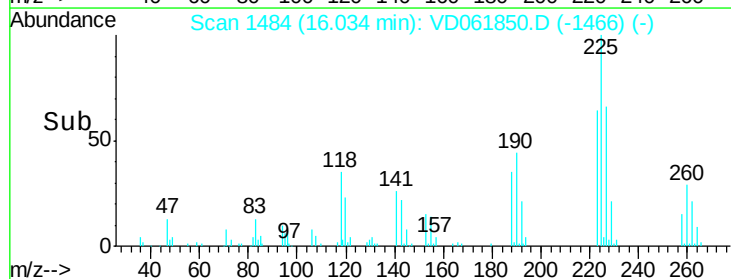
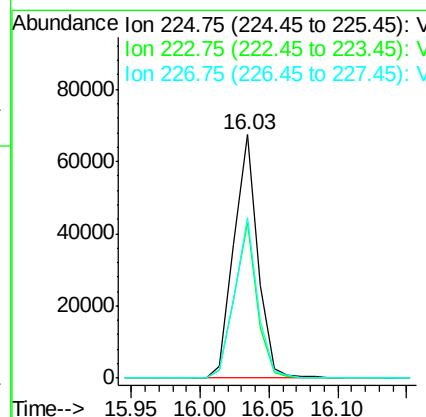
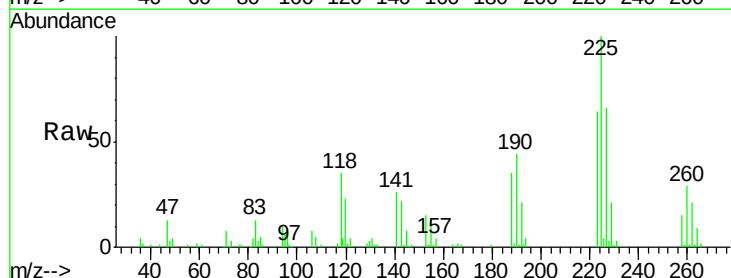
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

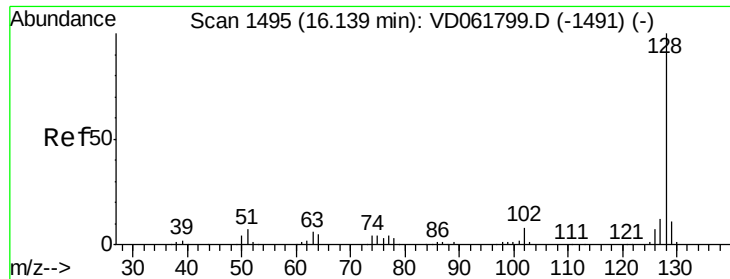
Tot Ion:180 Resp: 121517
 Ion Ratio Lower Upper
 180 100
 182 93.4 49.3 147.8
 145 33.0 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 19.569 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.03 min
 Lab File: VD061850.D
 Acq: 17 Apr 2019 14:03

Tgt Ion:225 Resp: 81305
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.6 92.0
 227 66.1 32.0 96.2

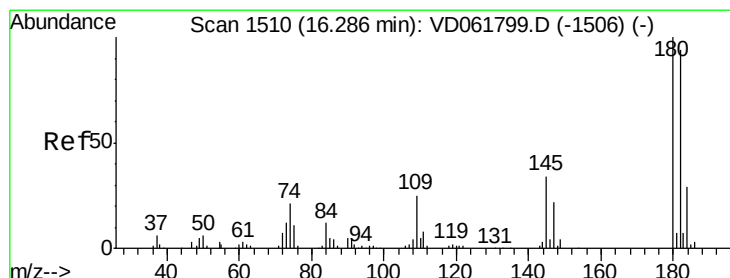
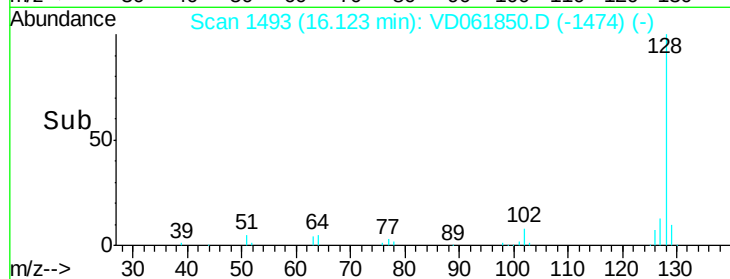
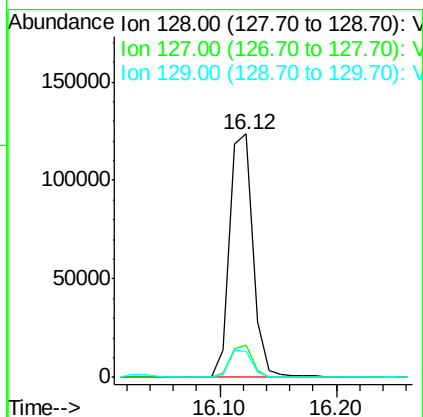
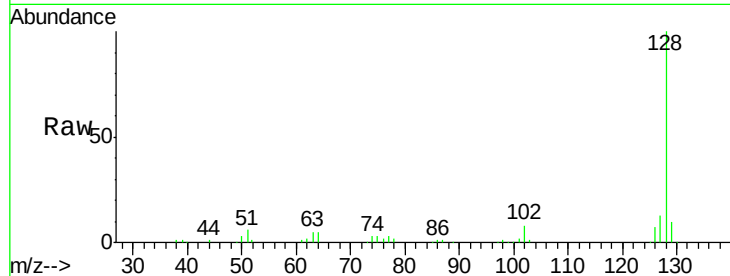




#95
Naphthalene
Concen: 19.639 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.02 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

Tot Ion:128 Resp: 172578
Ion Ratio Lower Upper
128 100
127 13.4 9.8 14.8
129 10.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.086 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.02 min
Lab File: VD061850.D
Acq: 17 Apr 2019 14:03

Tgt Ion:180 Resp: 62356
Ion Ratio Lower Upper
180 100
182 97.9 47.0 141.0
145 30.3 17.0 51.0

