

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041619\
 Data File : VD061809.D
 Acq On : 16 Apr 2019 14:15
 Operator : VA/AP
 Sample : VD0416SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

Quant Time: Apr 16 14:39:48 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	7.06	168	686866	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.23	114	1081765	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	906500	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	414022	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	263432	45.76	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	91.52%	
35) Dibromofluoromethane	6.94	113	408698	50.01	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.42	98	918998	47.46	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	94.92%	
62) 4-Bromofluorobenzene	13.56	95	350800	44.69	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	112963	16.850	ug/l	99
3) Chloromethane	1.77	50	98324	18.403	ug/l	91
4) Vinyl Chloride	1.86	62	100169	18.891	ug/l	95
5) Bromomethane	2.16	94	21161	15.274	ug/l	93
6) Chloroethane	2.27	64	29838	16.495	ug/l	99
7) Trichlorofluoromethane	2.54	101	140602	16.350	ug/l	98
8) Diethyl Ether	2.88	74	40345	17.901	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.17	101	146347	19.085	ug/l	100
10) Methyl Iodide	3.32	142	138390	14.025	ug/l	99
11) Tert butyl alcohol	4.08	59	32758	96.495	ug/l #	94
12) 1,1-Dichloroethene	3.14	96	120127	18.635	ug/l	99
13) Acrolein	3.05	56	34400	104.672	ug/l	98
14) Allyl chloride	3.63	41	169578	19.299	ug/l	98
15) Acrylonitrile	4.21	53	104815	98.348	ug/l	98
16) Acetone	3.22	43	122129	86.080	ug/l	96
17) Carbon Disulfide	3.39	76	365031	17.525	ug/l	98
18) Methyl Acetate	3.65	43	56130	19.738	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	229479	19.075	ug/l	98
20) Methylene Chloride	3.84	84	149816	18.339	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	135640	19.146	ug/l	99
22) Diisopropyl ether	5.13	45	378645	20.159	ug/l	98
23) Vinyl Acetate	5.08	43	1032740	102.858	ug/l	100
24) 1,1-Dichloroethane	5.01	63	219776	19.299	ug/l	98
25) 2-Butanone	6.09	43	151759	93.954	ug/l	98
26) 2,2-Dichloropropane	6.03	77	177923	18.076	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	138806	18.074	ug/l	96
28) Bromochloromethane	6.44	49	77231	17.855	ug/l	95
29) Tetrahydrofuran	6.46	42	80133	101.846	ug/l	99
30) Chloroform	6.68	83	249267	19.625	ug/l	97
31) Cyclohexane	6.97	56	169077	19.395	ug/l	98
32) 1,1,1-Trichloroethane	6.89	97	212659	18.887	ug/l	98
36) 1,1-Dichloropropene	7.16	75	186990	21.153	ug/l	93
37) Ethyl Acetate	6.19	43	81639	21.579	ug/l	97
38) Carbon Tetrachloride	7.12	117	217762	19.509	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	177699	19.358	ug/l	98
40) Benzene	7.47	78	419176	19.752	ug/l	98
41) Methacrylonitrile	6.45	41	92207	20.620	ug/l #	98
42) 1,2-Dichloroethane	7.59	62	150176	20.318	ug/l	98
43) Isopropyl Acetate	9.25	43	112190	21.072	ug/l	96
44) Trichloroethene	8.55	130	174591	21.370	ug/l	98
45) 1,2-Dichloropropane	8.94	63	115777	20.944	ug/l	97
46) Dibromomethane	9.07	93	83148	21.110	ug/l	96
47) Bromodichloromethane	9.39	83	181486	19.972	ug/l	98
48) Methyl methacrylate	9.12	41	60983	19.486	ug/l	94
49) 1,4-Dioxane	9.09	88	14796	432.550	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	341937	105.022	ug/l	99
52) Toluene	10.52	92	276148	20.305	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	145071	17.717	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	201306	20.945	ug/l	100
55) 1,1,2-Trichloroethane	11.20	97	93638	20.433	ug/l	94
56) Ethyl methacrylate	11.05	69	100632	20.008	ug/l	99
57) 1,3-Dichloropropane	11.42	76	139084	20.188	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	240211	100.409	ug/l	97
59) 2-Hexanone	11.54	43	240338	99.387	ug/l	96
60) Dibromochloromethane	11.69	129	158227	21.102	ug/l	97
61) 1,2-Dibromoethane	11.81	107	121577	21.576	ug/l	87
64) Tetrachloroethene	11.27	164	122932	18.083	ug/l	97
65) Chlorobenzene	12.41	112	325703	19.293	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	148587	21.002	ug/l	96
67) Ethyl Benzene	12.53	91	581184	21.497	ug/l	99
68) m/p-Xylenes	12.68	106	407988	40.175	ug/l	97
69) o-Xylene	13.05	106	192628	20.180	ug/l	100
70) Styrene	13.08	104	318613	19.397	ug/l	98
71) Bromoform	13.24	173	82209	19.576	ug/l	99
73) Isopropylbenzene	13.40	105	542224	20.194	ug/l	100
74) N-amyl acetate	13.27	43	138173	19.137	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	107136	20.186	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	99667	18.331	ug/l	94
77) Bromobenzene	13.67	156	147777	19.375	ug/l	85
78) n-propylbenzene	13.78	91	587010	18.922	ug/l	99
79) 2-Chlorotoluene	13.85	91	363945	20.083	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	430864	20.224	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	30720	19.596	ug/l	96
82) 4-Chlorotoluene	13.96	91	406581	19.601	ug/l	100
83) tert-Butylbenzene	14.19	119	493024	19.708	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	451376	21.077	ug/l	99
85) sec-Butylbenzene	14.37	105	555760	21.490	ug/l	100
86) p-Isopropyltoluene	14.50	119	531444	21.964	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	282380	21.207	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	268885	20.428	ug/l	95
89) n-Butylbenzene	14.80	91	429833	20.069	ug/l	97
90) Hexachloroethane	15.01	117	133326	20.216	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	231828	20.785	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11708	18.422	ug/l	94

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Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration

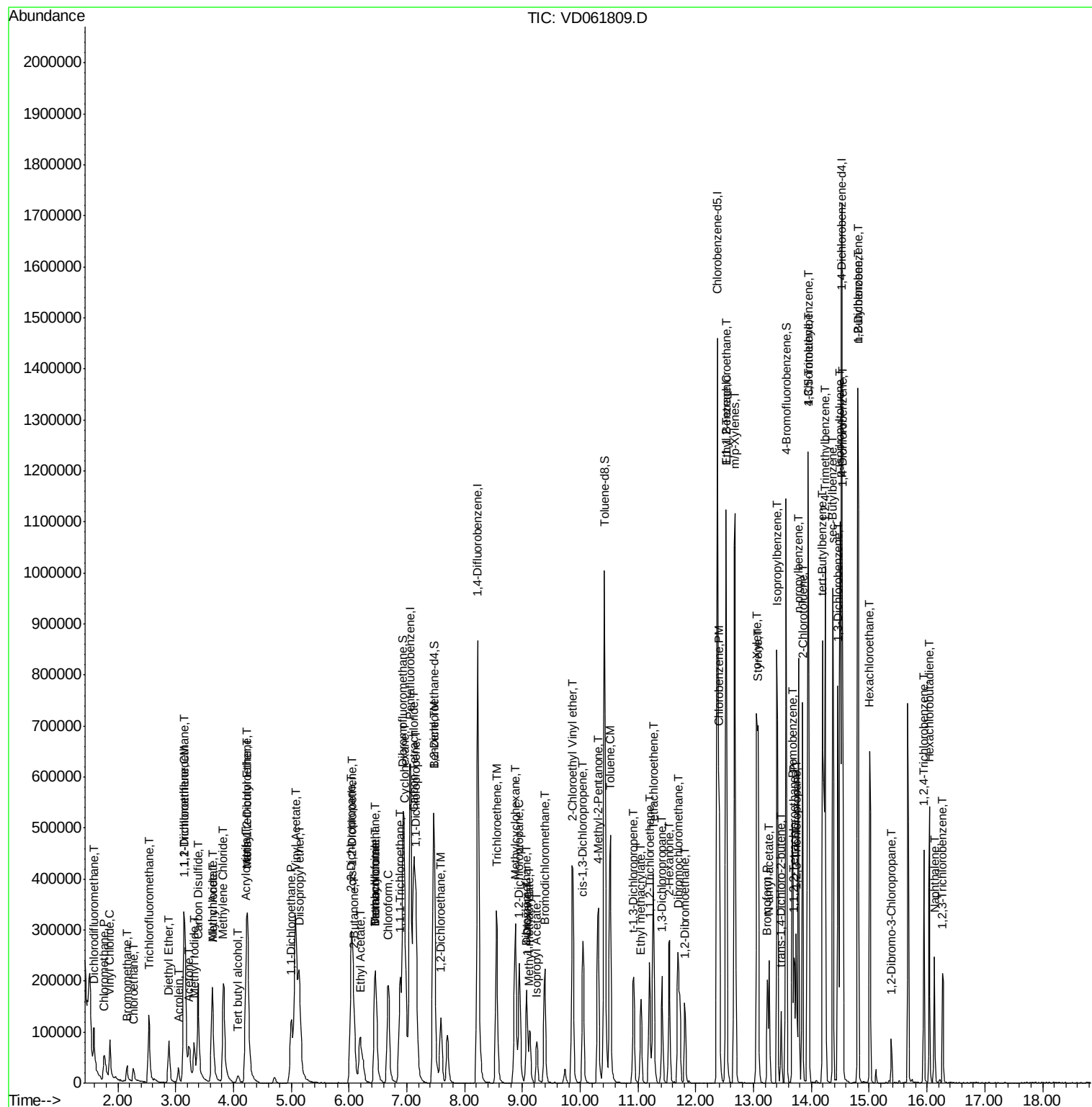
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	118153	19.287	ug/l	94
94) Hexachlorobutadiene	16.04	225	90237	20.326	ug/l	98
95) Naphthalene	16.13	128	168333	17.928	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	61753	17.689	ug/l	97

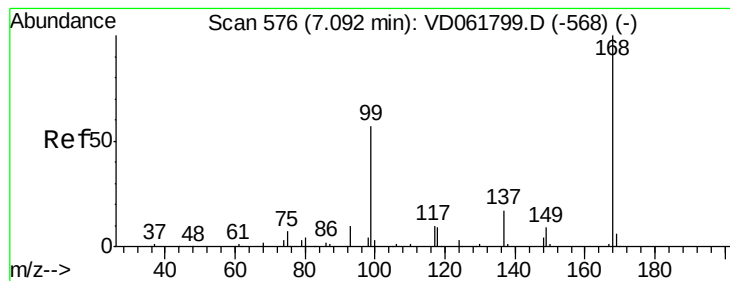
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

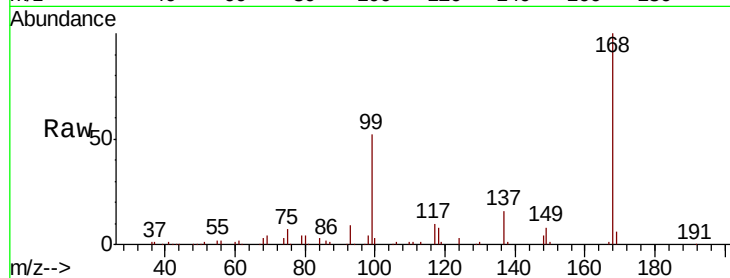
VD0416SBS01

Tgt Ion:168 Resp: 686866

Ion Ratio Lower Upper

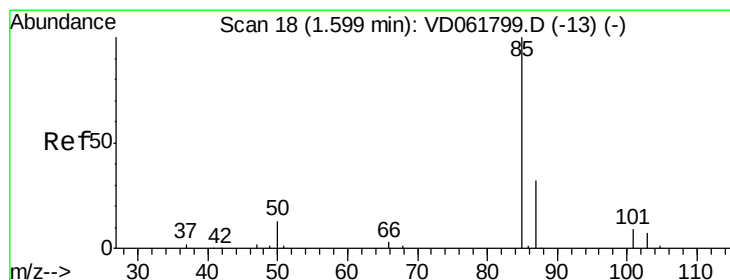
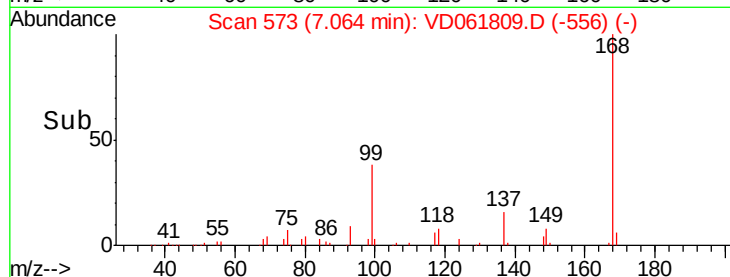
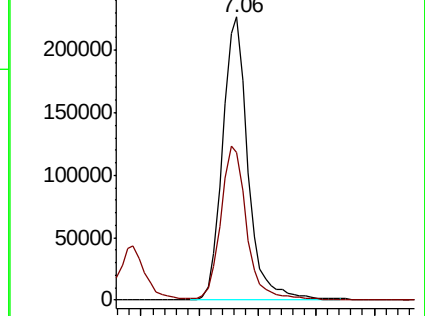
168 100

99 52.2 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: 16.850 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061809.D

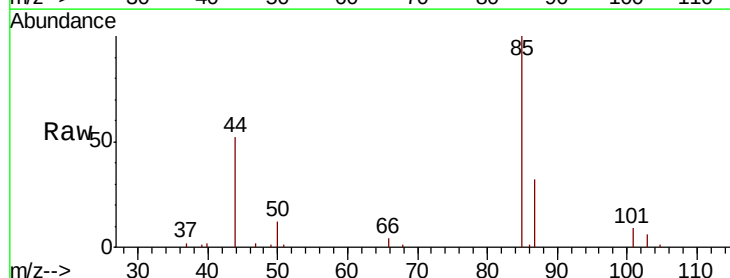
Acq: 16 Apr 2019 14:15

Tgt Ion: 85 Resp: 112963

Ion Ratio Lower Upper

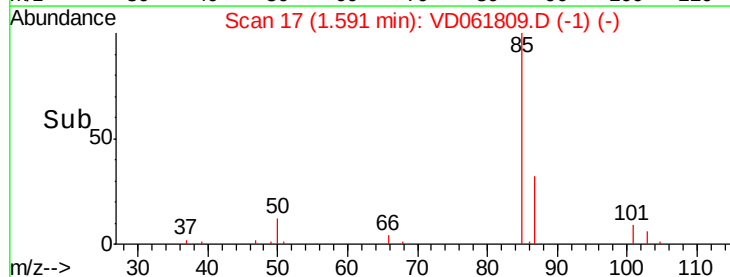
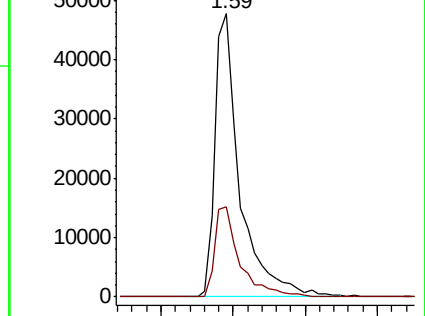
85 100

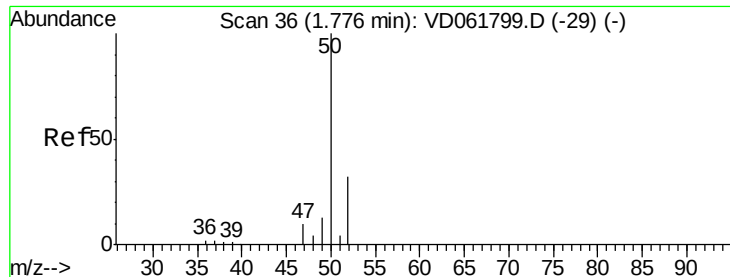
87 31.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.403 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.01 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

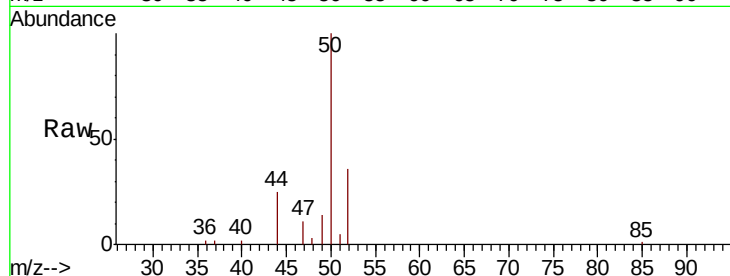
VD0416SBS01

Tgt Ion: 50 Resp: 98324

Ion Ratio Lower Upper

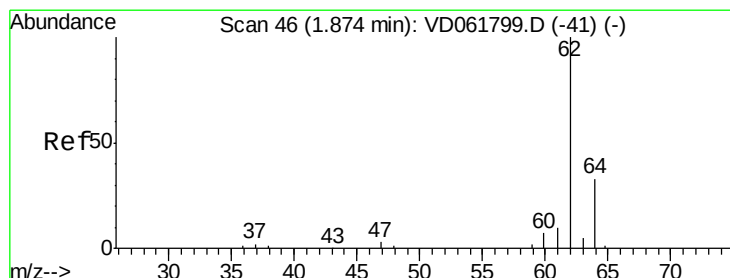
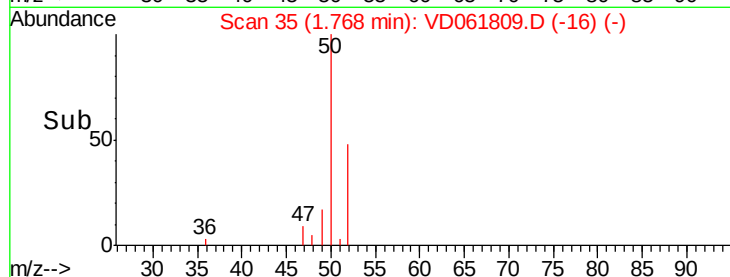
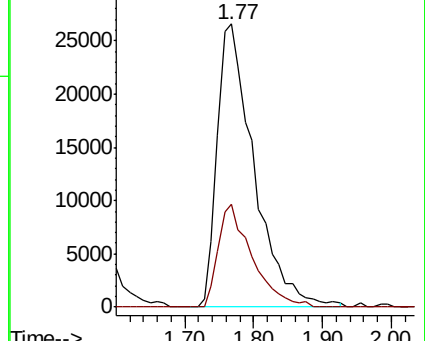
50 100

52 36.3 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: 18.891 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.02 min

Lab File: VD061809.D

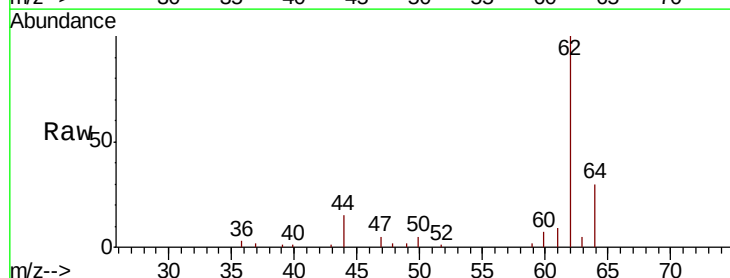
Acq: 16 Apr 2019 14:15

Tgt Ion: 62 Resp: 100169

Ion Ratio Lower Upper

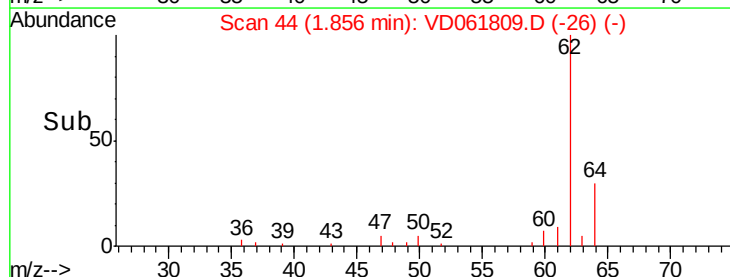
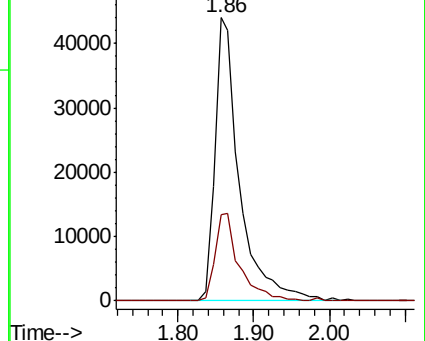
62 100

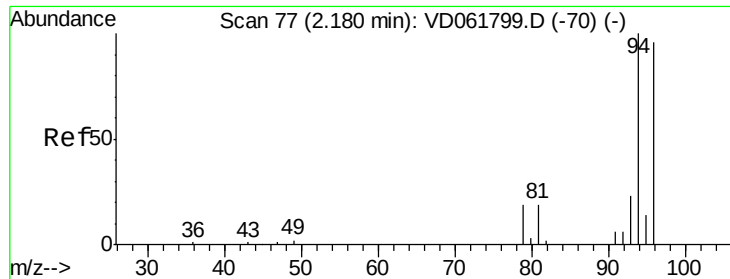
64 30.4 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.274 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.02 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

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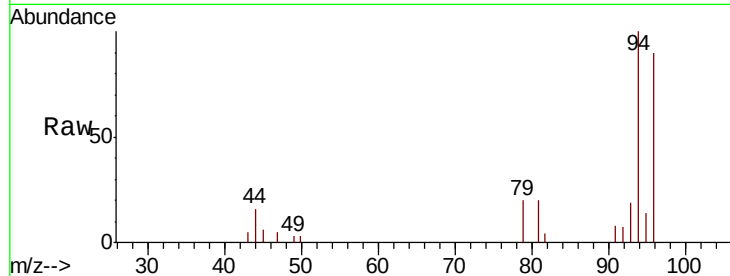
Tgt Ion: 94 Resp: 21161

Ion Ratio Lower Upper

94 100

96 89.8 76.6 115.0

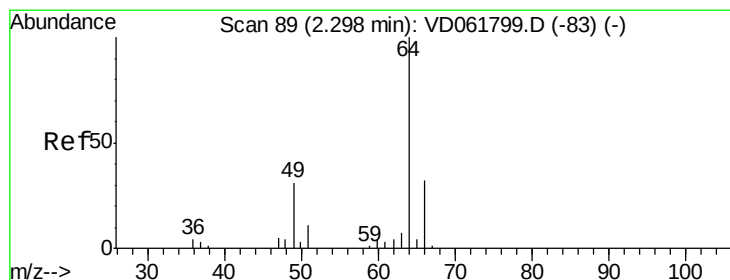
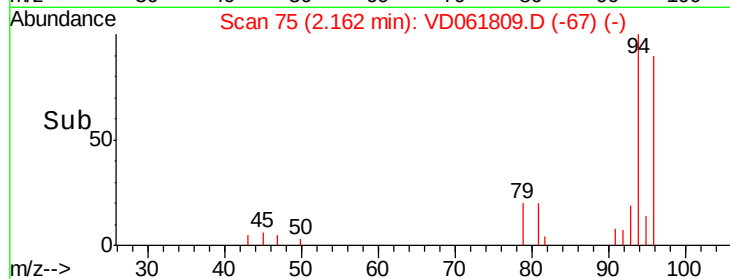
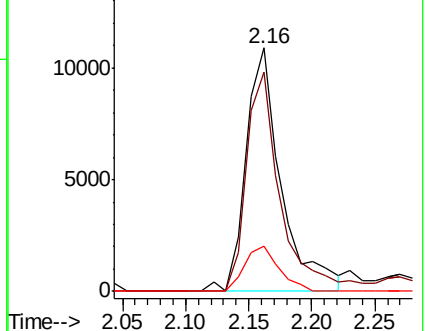
93 18.6 18.5 27.7



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: 16.495 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.03 min

Lab File: VD061809.D

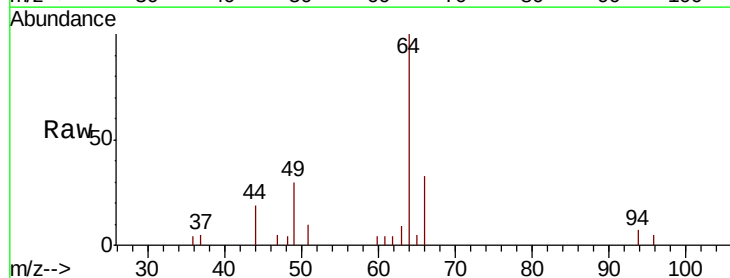
Acq: 16 Apr 2019 14:15

Tgt Ion: 64 Resp: 29838

Ion Ratio Lower Upper

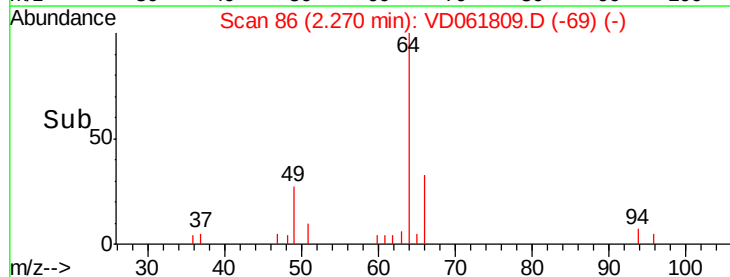
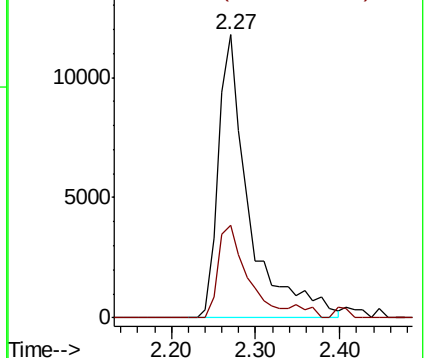
64 100

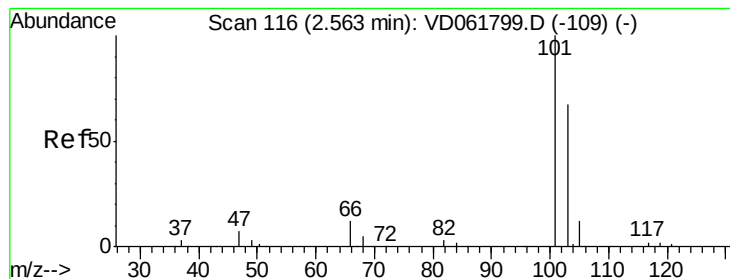
66 32.7 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



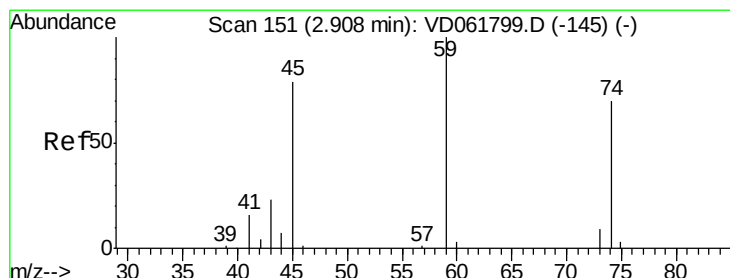
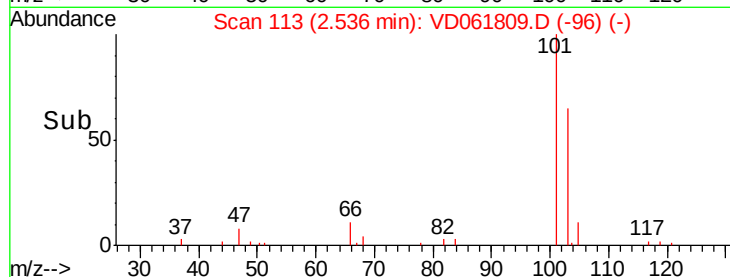
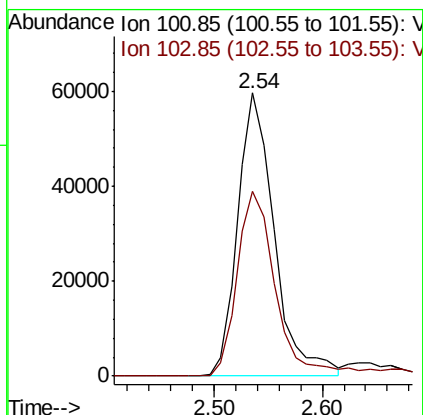
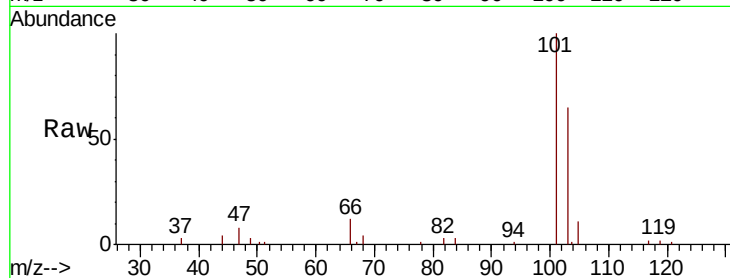


#7

Trichlorofluoromethane
 Concen: 16.350 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.03 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Instrument :
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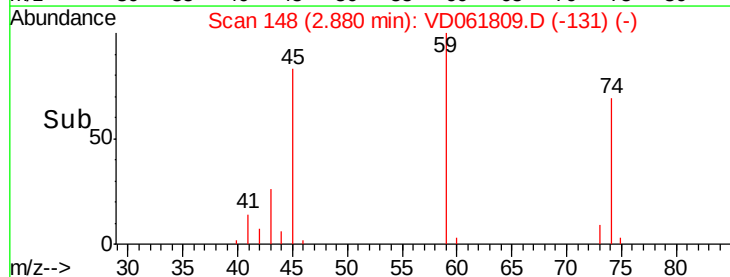
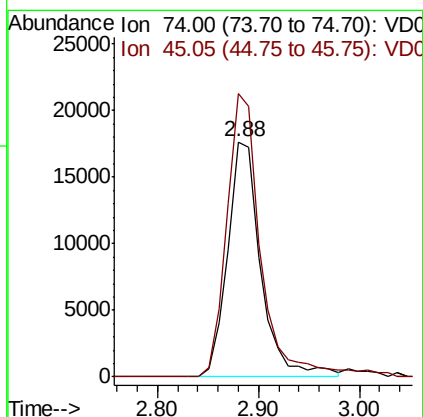
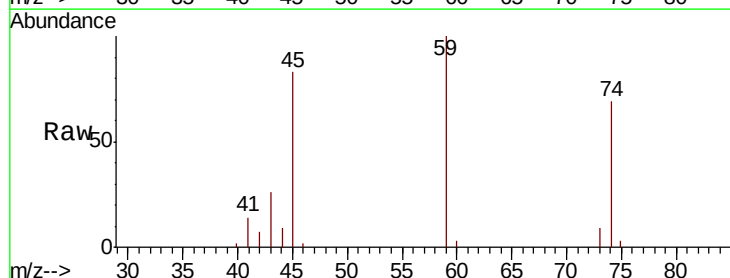
Tgt Ion: 101 Resp: 140602
 Ion Ratio Lower Upper
 101 100
 103 65.1 53.6 80.4

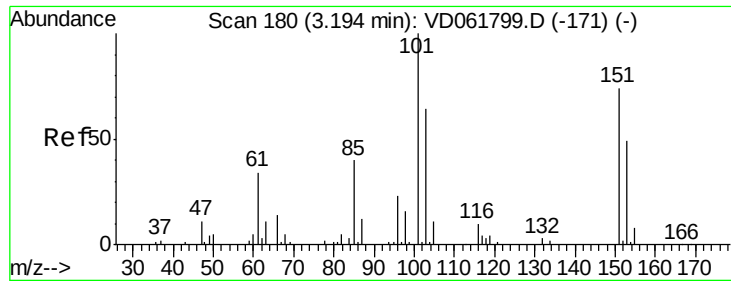


#8

Diethyl Ether
 Concen: 17.901 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.03 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion: 74 Resp: 40345
 Ion Ratio Lower Upper
 74 100
 45 120.3 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.085 ug/l

RT: 3.17 min Scan# 177

Delta R.T. -0.03 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

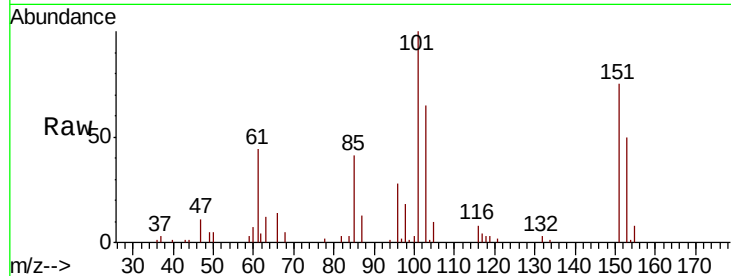
Tgt Ion:101 Resp: 146347

Ion Ratio Lower Upper

101 100

85 40.8 32.4 48.6

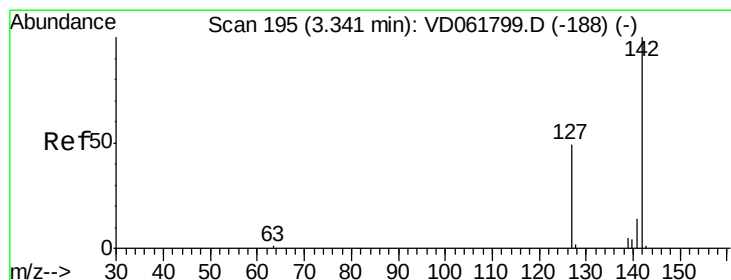
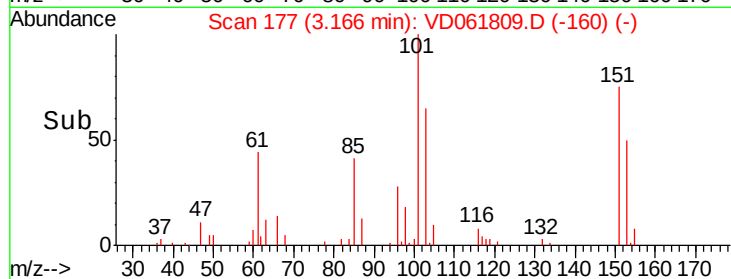
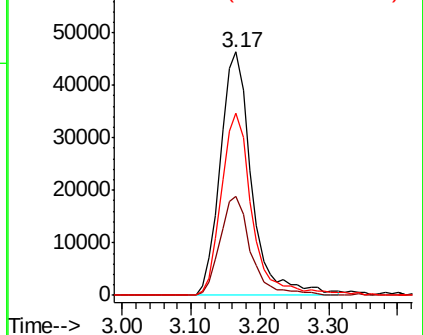
151 74.6 59.4 89.0



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: 14.025 ug/l

RT: 3.32 min Scan# 193

Delta R.T. -0.02 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

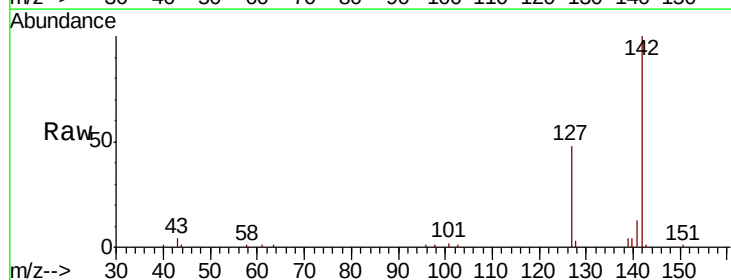
Tgt Ion:142 Resp: 138390

Ion Ratio Lower Upper

142 100

127 48.1 38.8 58.2

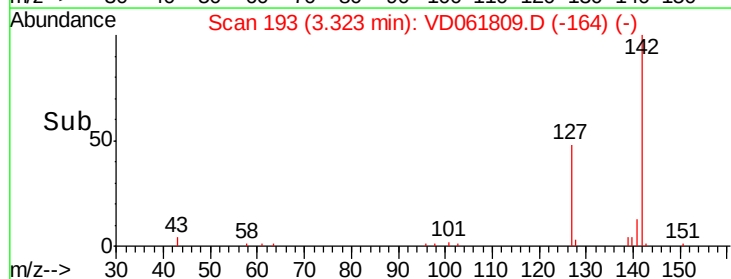
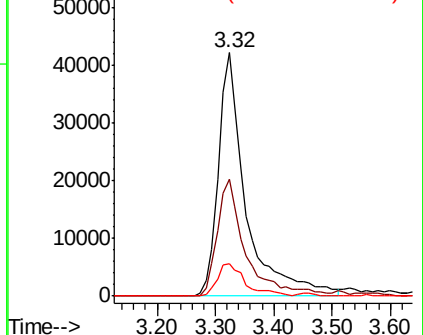
141 13.4 11.4 17.0

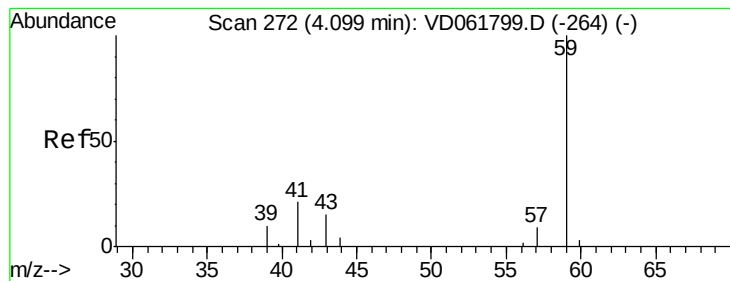


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



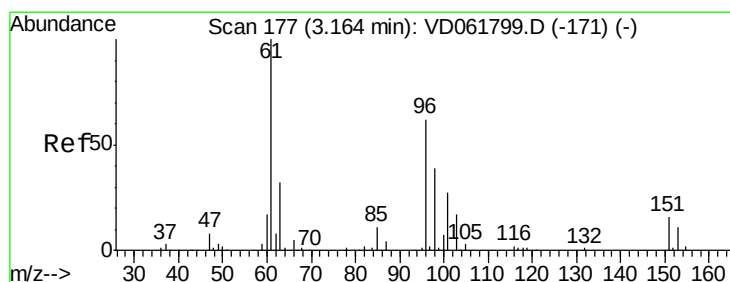
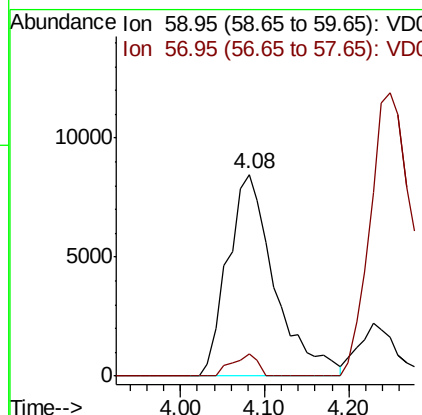
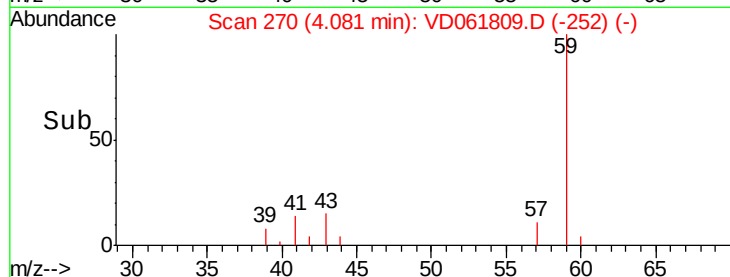
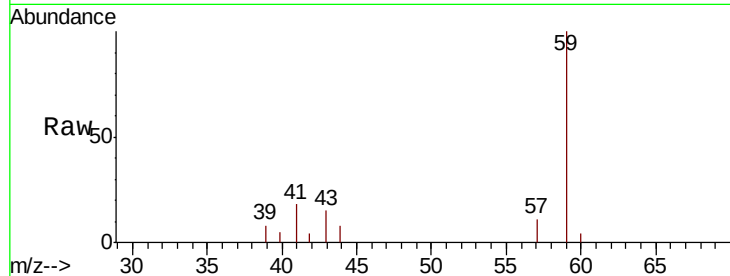


#11

Tert butyl alcohol
 Concen: 96.495 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.02 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

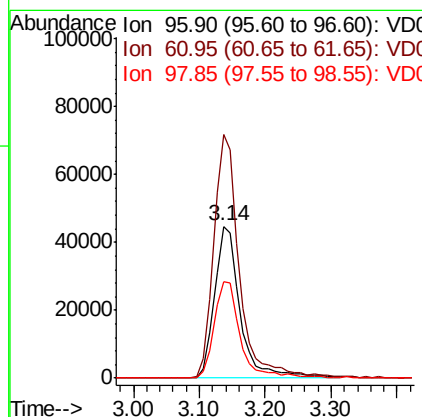
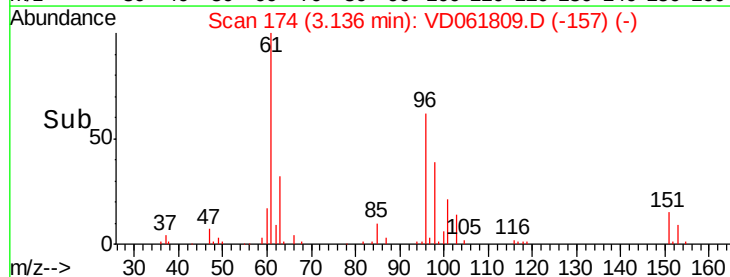
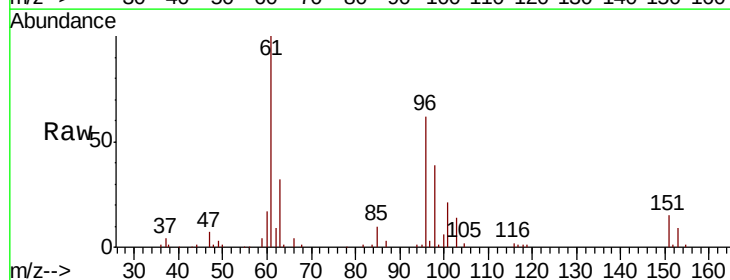
Tgt Ion: 59 Resp: 32758
 Ion Ratio Lower Upper
 59 100
 57 10.9 6.9 10.3#

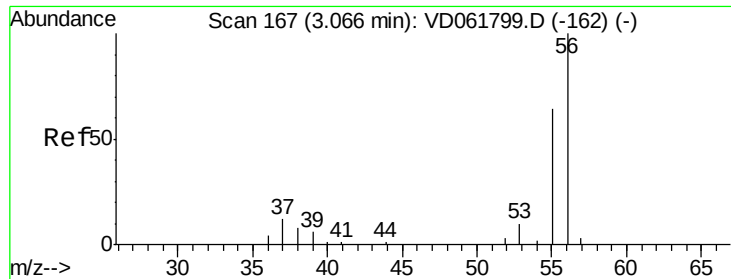


#12

1,1-Dichloroethene
 Concen: 18.635 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. -0.03 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion: 96 Resp: 120127
 Ion Ratio Lower Upper
 96 100
 61 160.2 129.8 194.8
 98 63.1 51.2 76.8





#13

Acrolein

Concen: 104.672 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

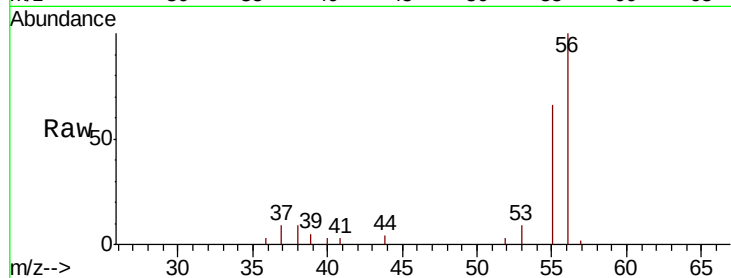
VD0416SBS01

Tgt Ion: 56 Resp: 34400

Ion Ratio Lower Upper

56 100

55 65.8 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

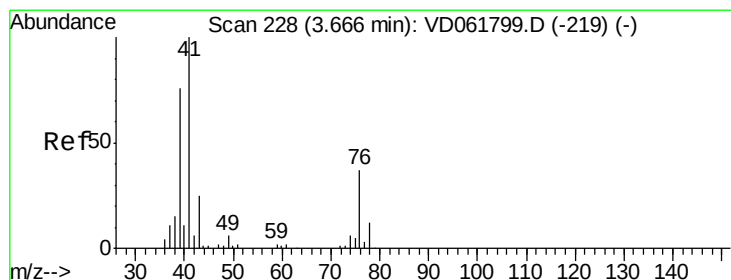
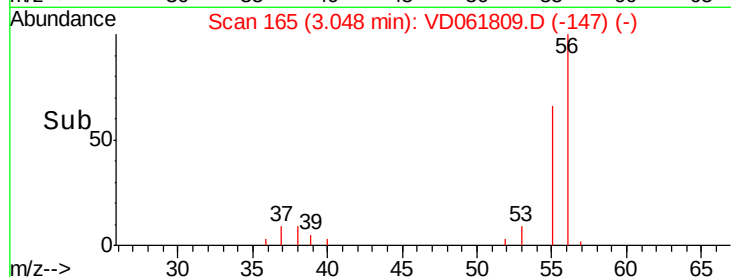
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 19.299 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.04 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

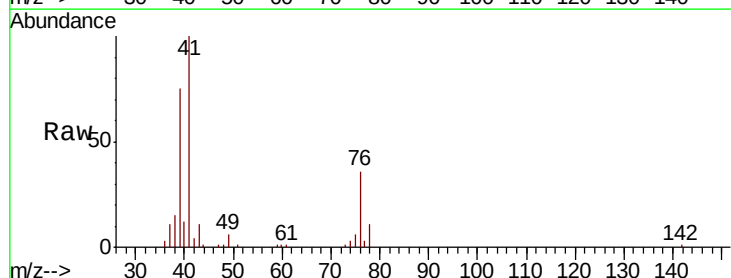
Tgt Ion: 41 Resp: 169578

Ion Ratio Lower Upper

41 100

39 75.0 60.5 90.7

76 36.2 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

80000

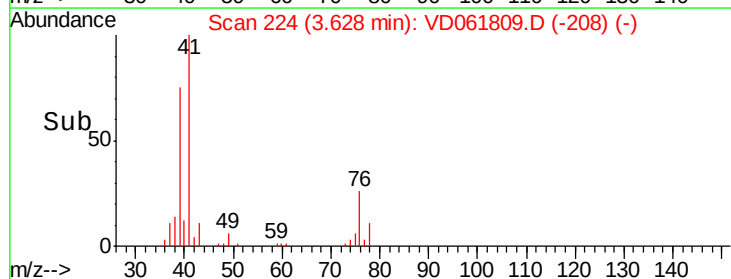
60000

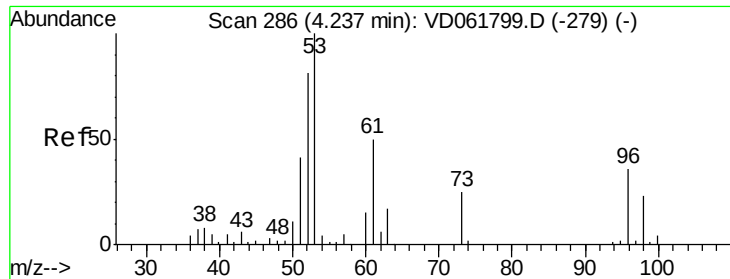
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 98.348 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.03 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

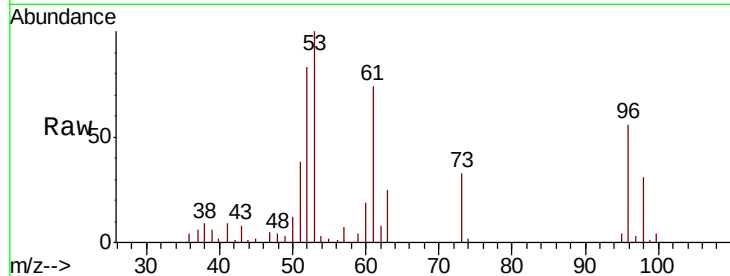
Tgt Ion: 53 Resp: 104815

Ion Ratio Lower Upper

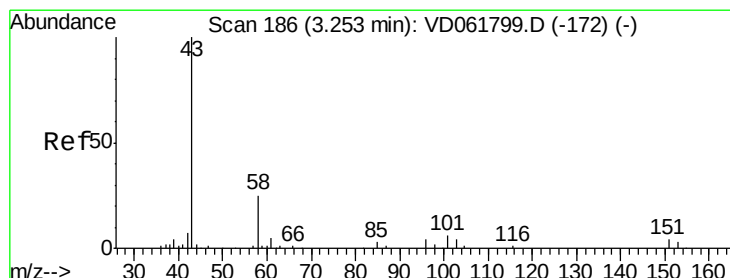
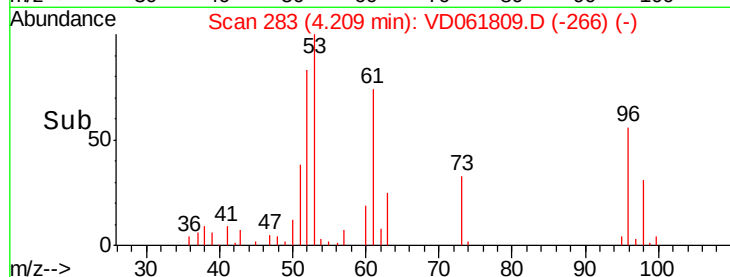
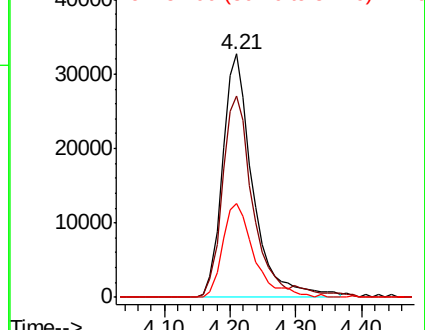
53 100

52 82.8 65.0 97.4

51 38.3 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: 86.080 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.03 min

Lab File: VD061809.D

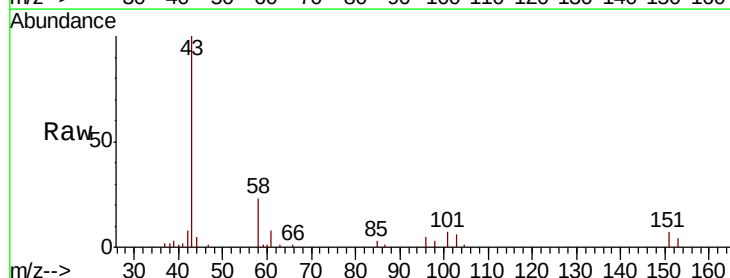
Acq: 16 Apr 2019 14:15

Tgt Ion: 43 Resp: 122129

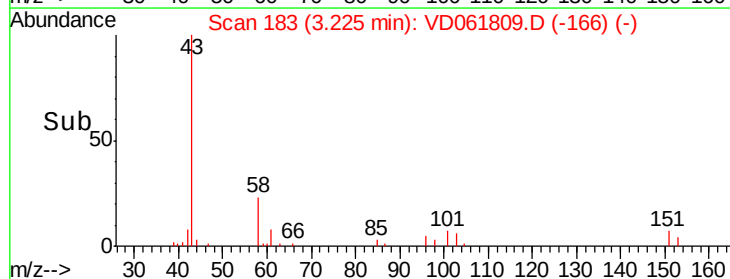
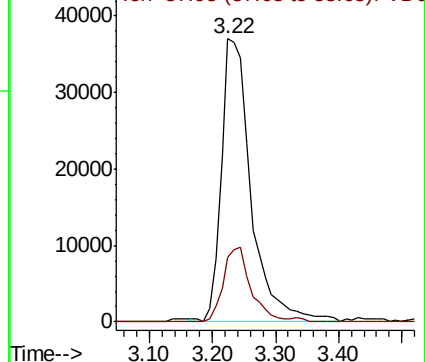
Ion Ratio Lower Upper

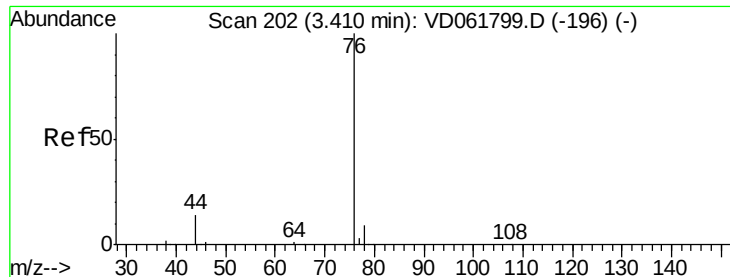
43 100

58 22.7 19.9 29.9



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

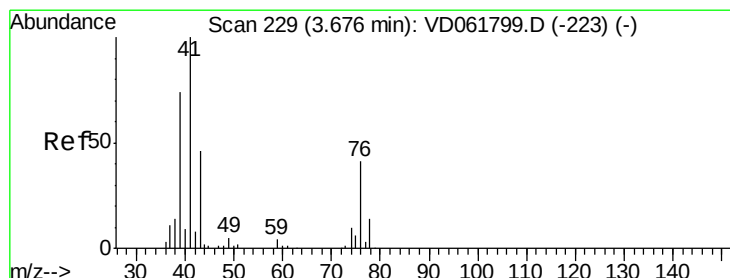
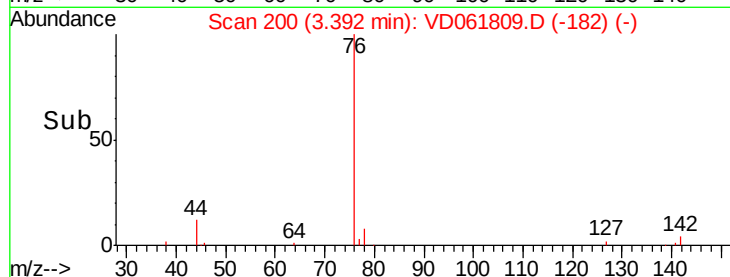
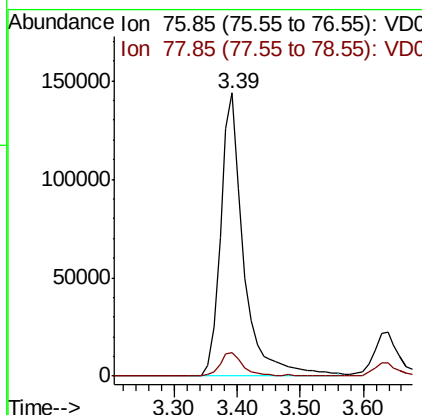
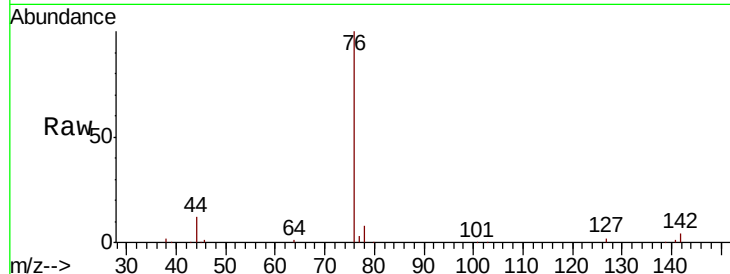




#17
Carbon Disulfide
Concen: 17.525 ug/l
RT: 3.39 min Scan# 200
Delta R.T. -0.02 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

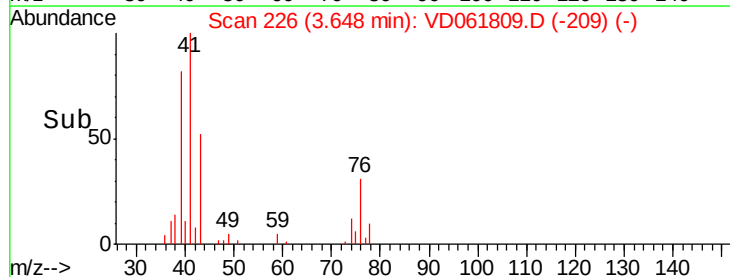
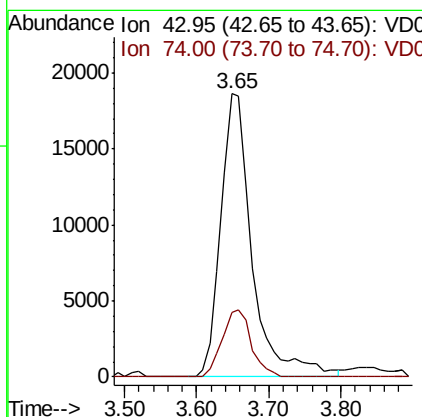
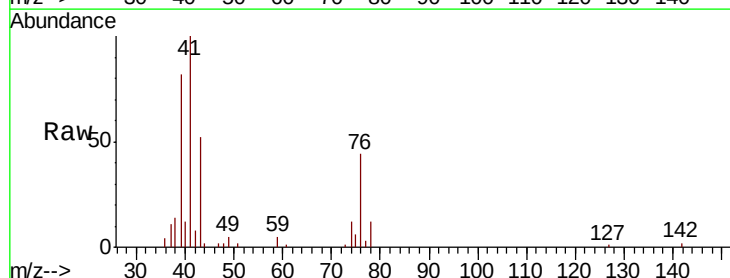
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

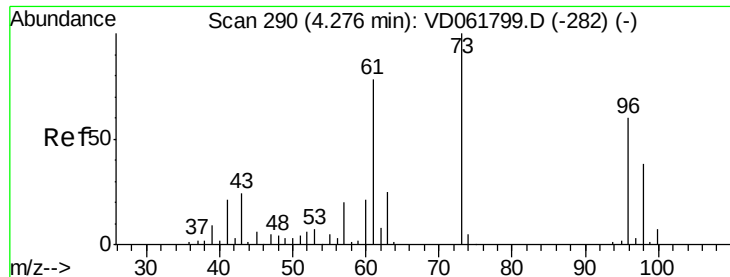
Tgt Ion: 76 Resp: 365031
Ion Ratio Lower Upper
76 100
78 8.4 7.2 10.8



#18
Methyl Acetate
Concen: 19.738 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.03 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Tgt Ion: 43 Resp: 56130
Ion Ratio Lower Upper
43 100
74 22.7 18.0 27.0

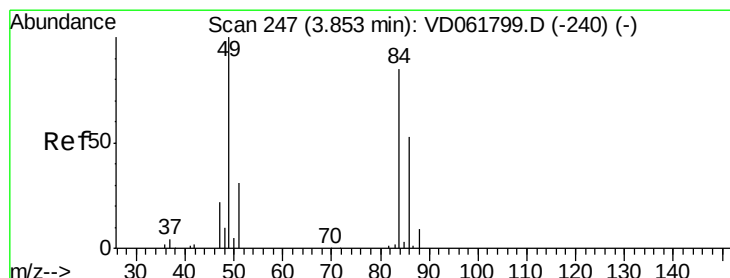
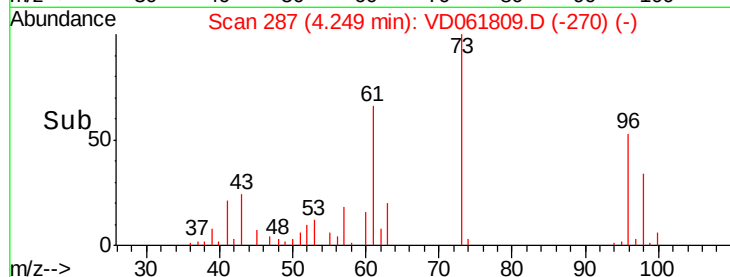
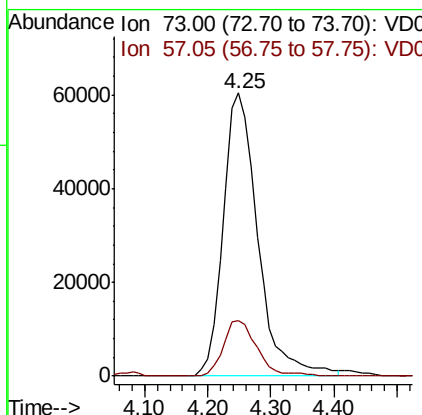
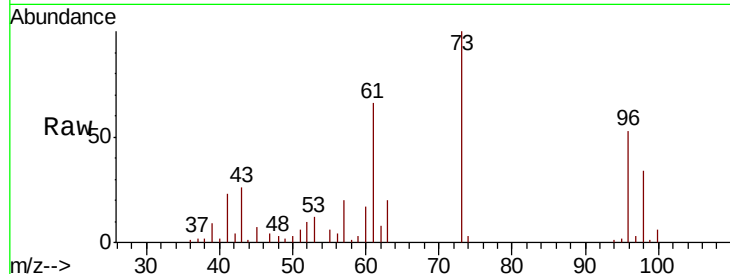




#19
Methyl tert-butyl Ether
Concen: 19.075 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.03 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

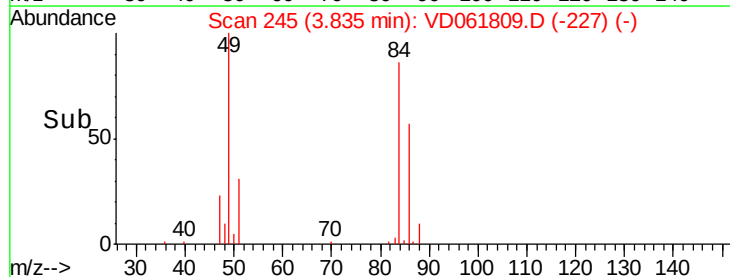
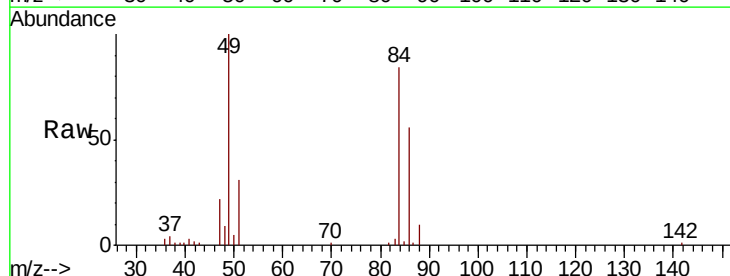
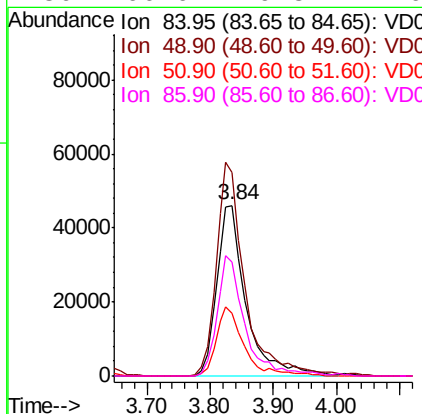
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

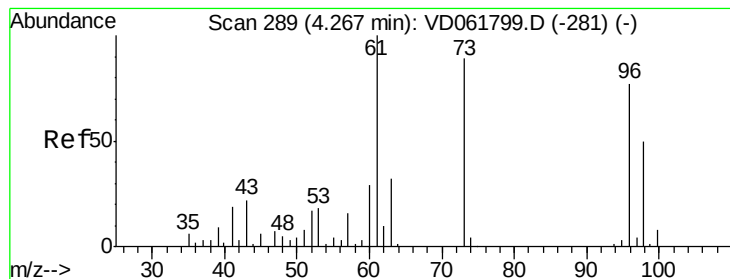
Tgt Ion: 73 Resp: 229479
Ion Ratio Lower Upper
73 100
57 19.7 16.3 24.5



#20
Methylene Chloride
Concen: 18.339 ug/l
RT: 3.84 min Scan# 245
Delta R.T. -0.02 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Tgt Ion: 84 Resp: 149816
Ion Ratio Lower Upper
84 100
49 119.0 94.0 141.0
51 36.6 29.0 43.4
86 66.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.146 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.04 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

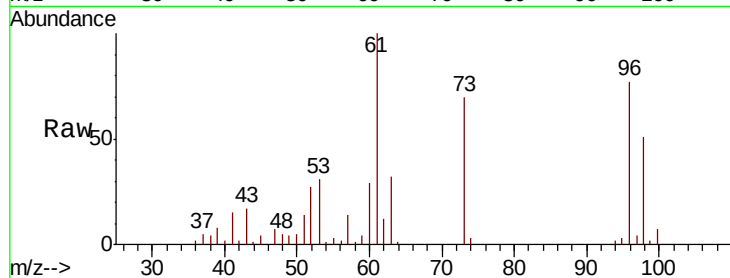
Tgt Ion: 96 Resp: 135640

Ion Ratio Lower Upper

96 100

61 129.1 104.4 156.6

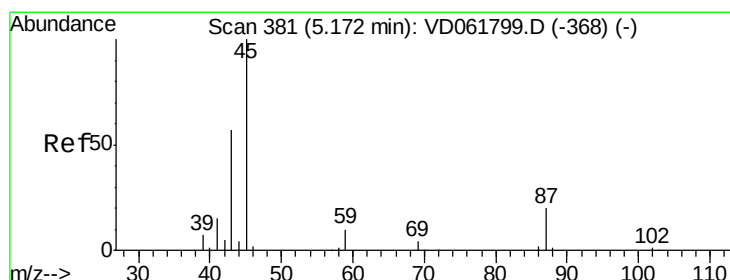
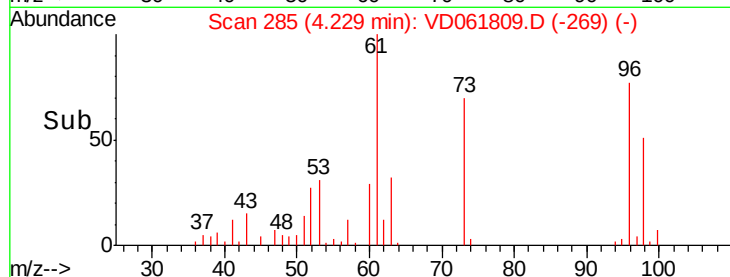
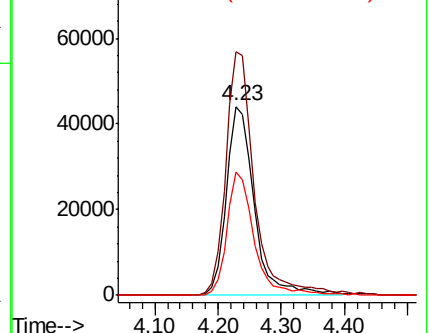
98 65.6 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.159 ug/l

RT: 5.13 min Scan# 377

Delta R.T. -0.04 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Tgt Ion: 45 Resp: 378645

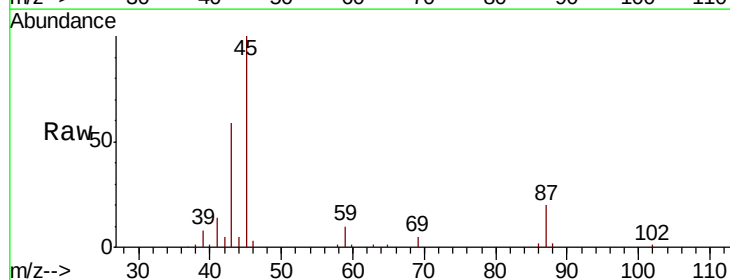
Ion Ratio Lower Upper

45 100

43 59.4 46.2 69.2

87 20.2 15.9 23.9

59 9.8 7.9 11.9

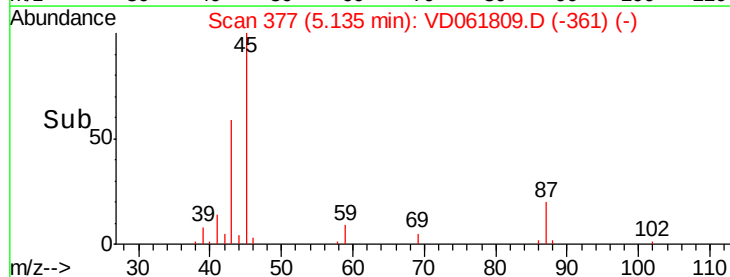
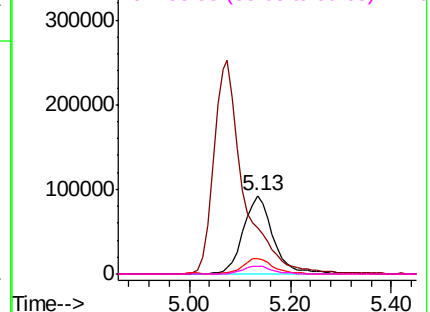


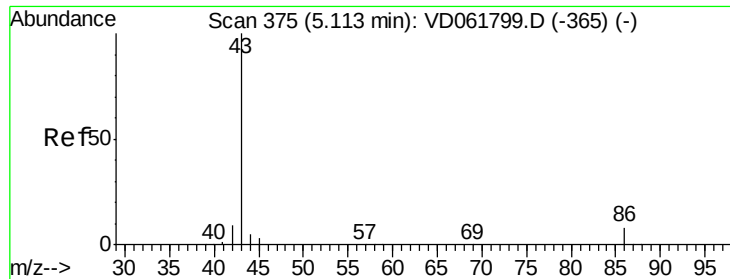
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 102.858 ug/l

RT: 5.08 min Scan# 371

Delta R.T. -0.04 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

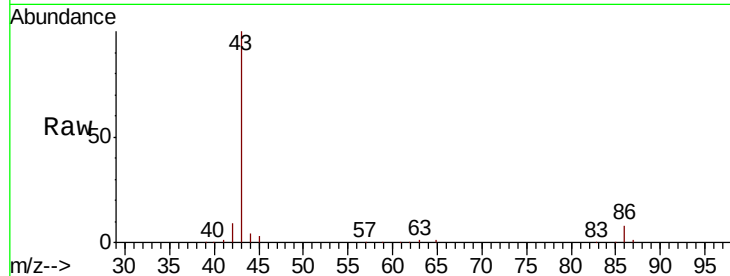
VD0416SBS01

Tgt Ion: 43 Resp: 1032740

Ion Ratio Lower Upper

43 100

86 8.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.08

250000

200000

150000

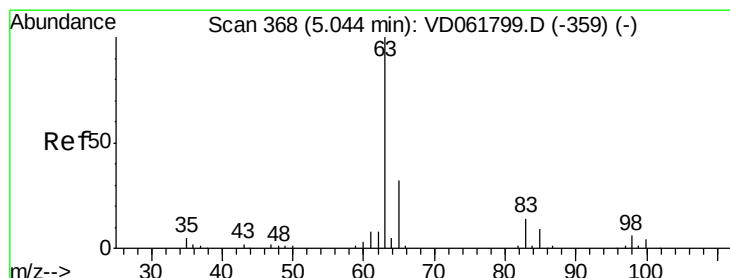
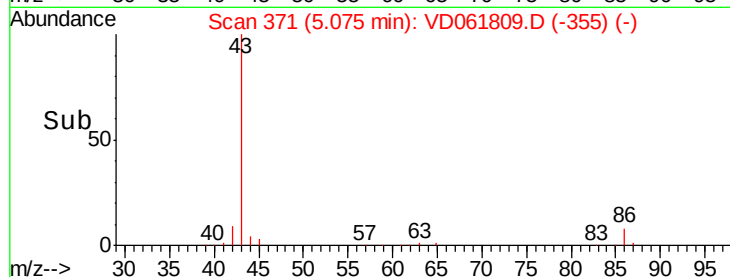
100000

50000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 19.299 ug/l

RT: 5.01 min Scan# 364

Delta R.T. -0.04 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

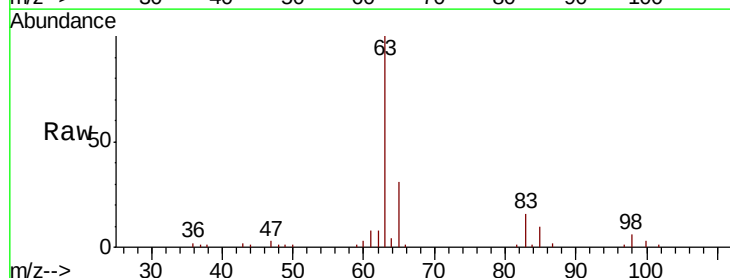
Tgt Ion: 63 Resp: 219776

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.2 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

5.01

80000

60000

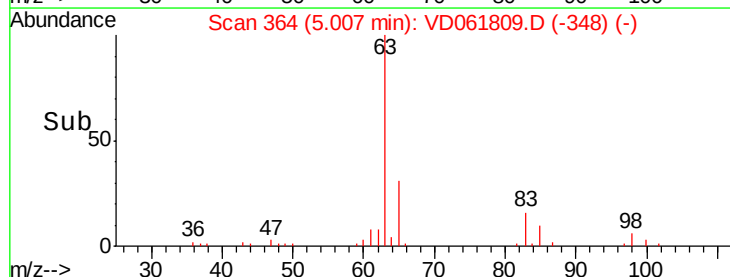
40000

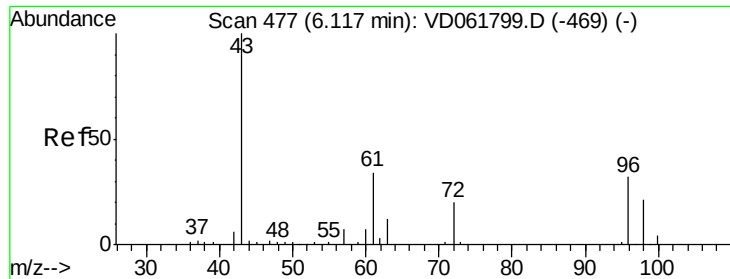
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 93.954 ug/l

RT: 6.09 min Scan# 474

Delta R.T. -0.03 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

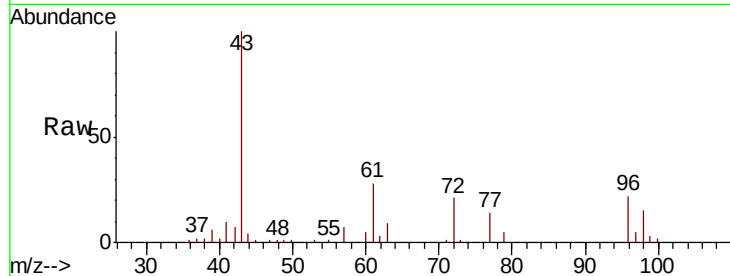
VD0416SBS01

Tgt Ion: 43 Resp: 151759

Ion Ratio Lower Upper

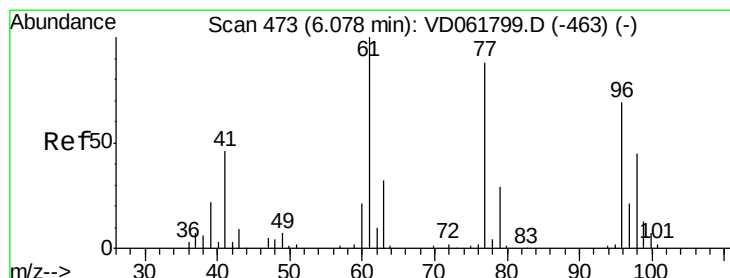
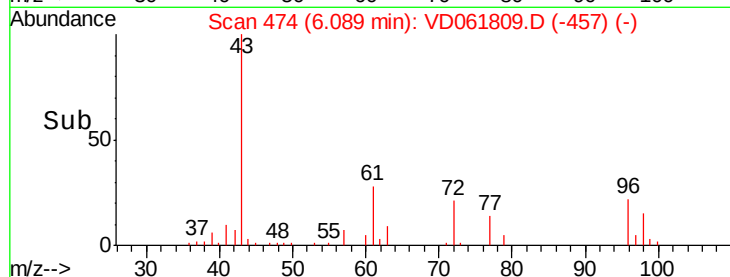
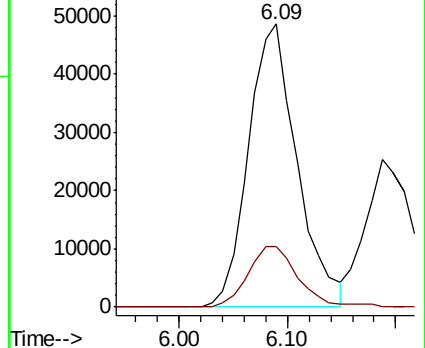
43 100

72 21.4 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.076 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.05 min

Lab File: VD061809.D

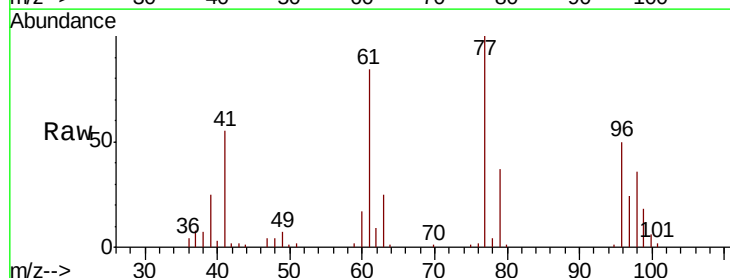
Acq: 16 Apr 2019 14:15

Tgt Ion: 77 Resp: 177923

Ion Ratio Lower Upper

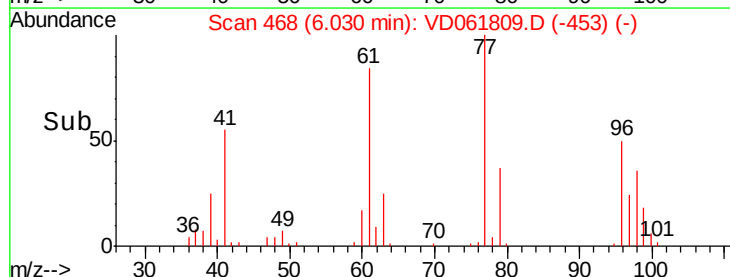
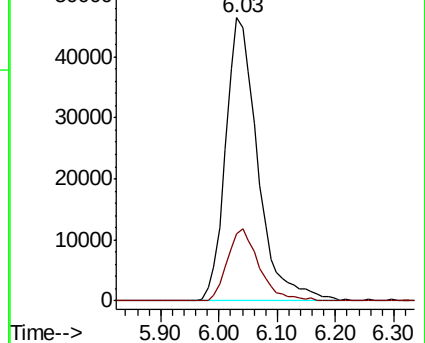
77 100

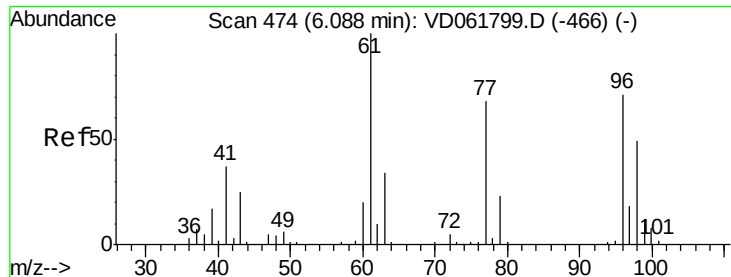
97 23.7 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



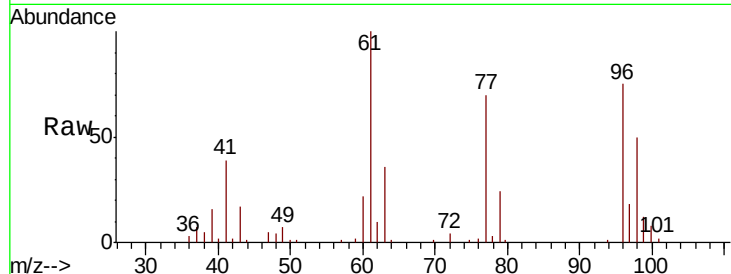


#27

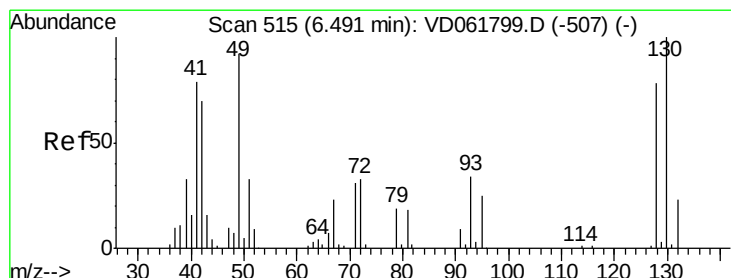
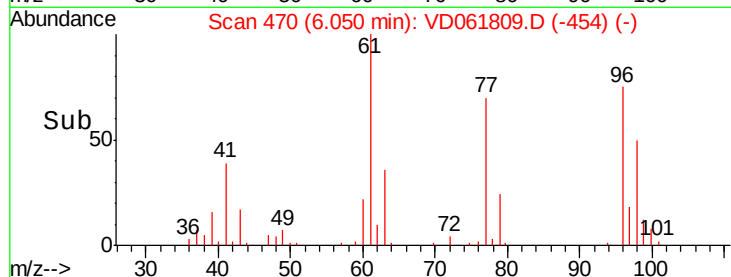
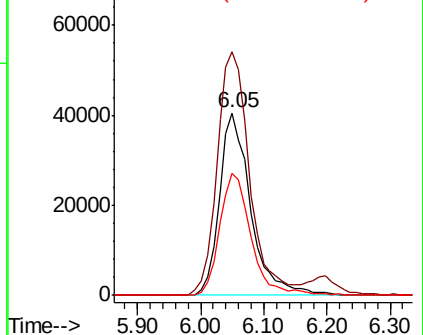
cis-1,2-Dichloroethene
 Concen: 18.074 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. -0.04 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

Tgt Ion: 96 Resp: 138806
 Ion Ratio Lower Upper
 96 100
 61 133.5 0.0 279.8
 98 66.6 0.0 136.0



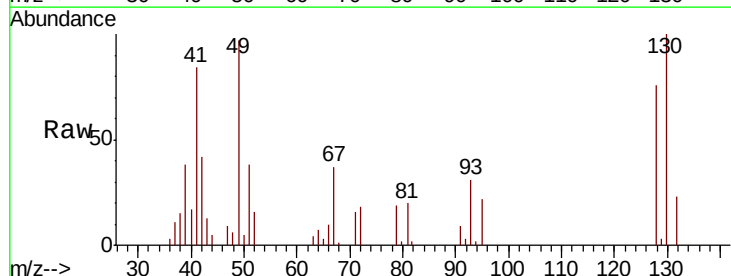
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



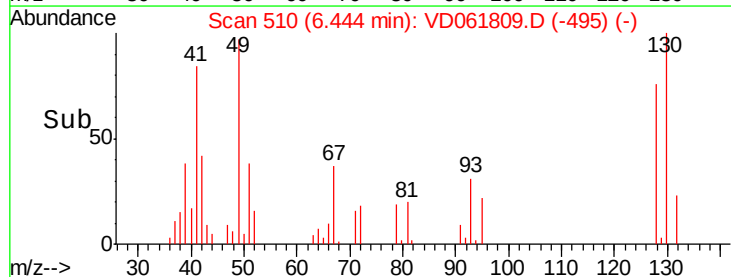
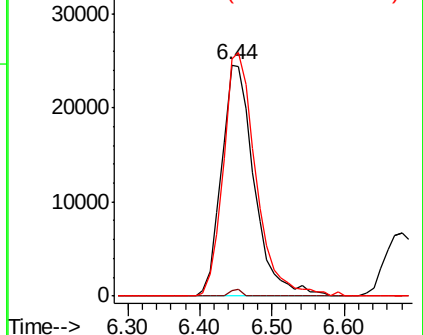
#28

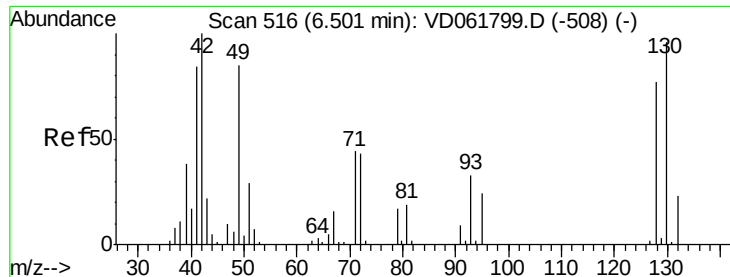
Bromochloromethane
 Concen: 17.855 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. -0.05 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion: 49 Resp: 77231
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 6.6
 130 102.9 86.7 130.1



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

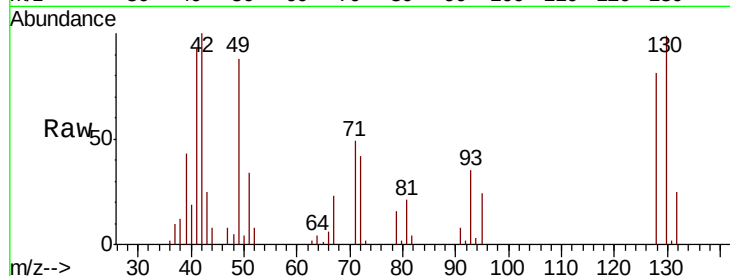




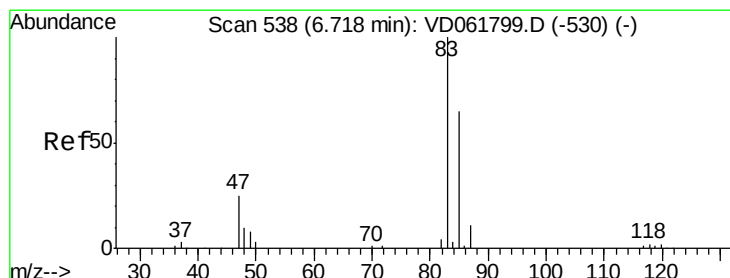
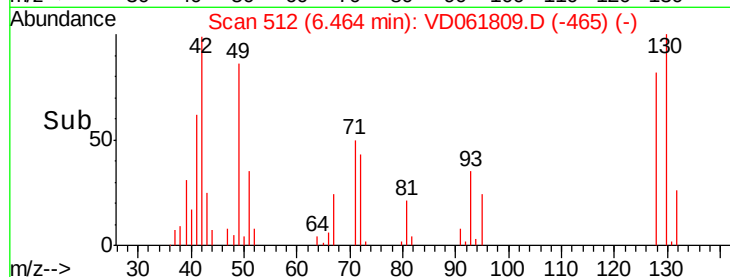
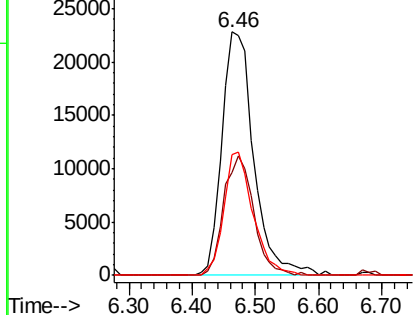
#29
Tetrahydrofuran
Concen: 101.846 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.04 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

Tgt Ion: 42 Resp: 80133
Ion Ratio Lower Upper
42 100
72 45.9 37.8 56.6
71 46.1 36.7 55.1

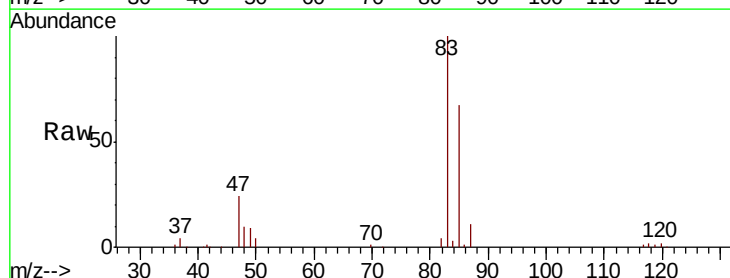


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

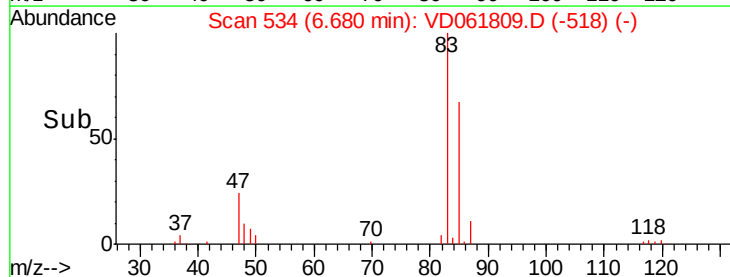
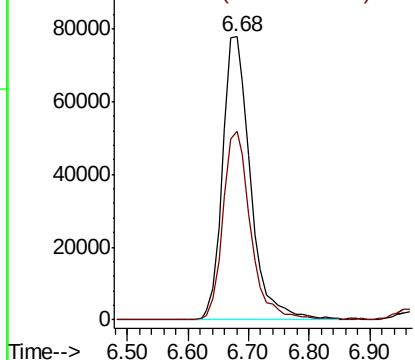


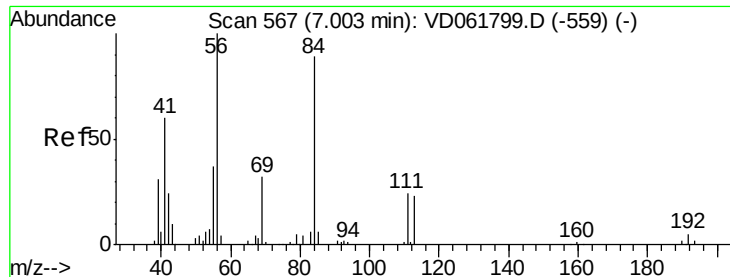
#30
Chloroform
Concen: 19.625 ug/l
RT: 6.68 min Scan# 534
Delta R.T. -0.04 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Tgt Ion: 83 Resp: 249267
Ion Ratio Lower Upper
83 100
85 66.7 51.7 77.5



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

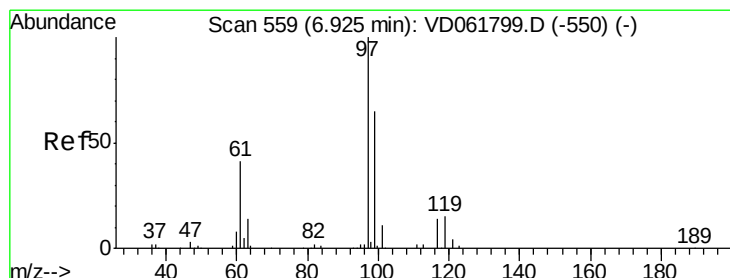
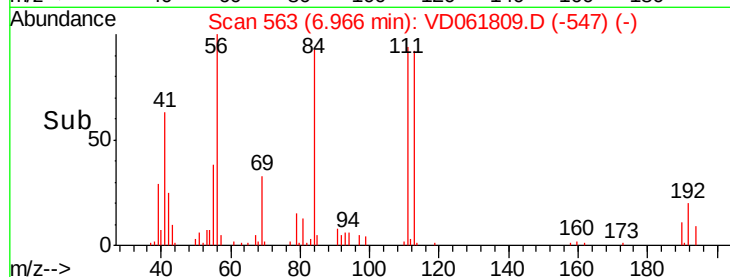
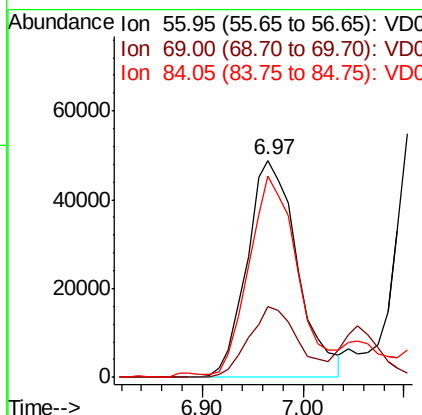
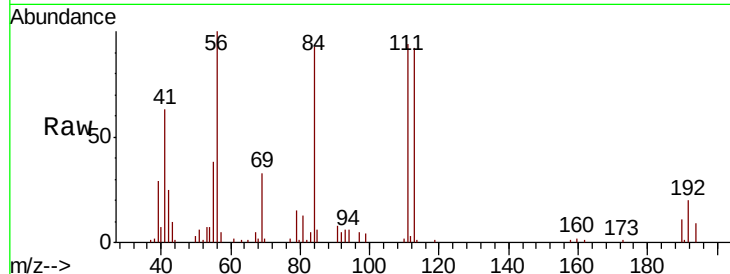




#31
Cyclohexane
Concen: 19.395 ug/l
RT: 6.97 min Scan# 563
Delta R.T. -0.04 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

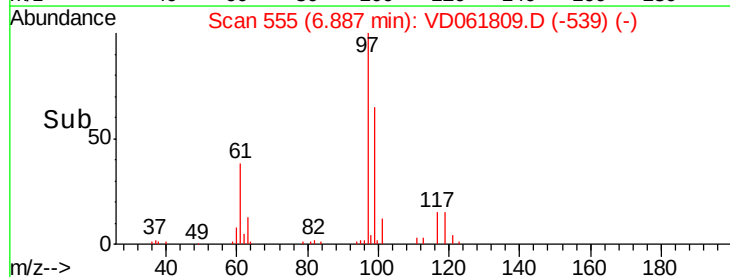
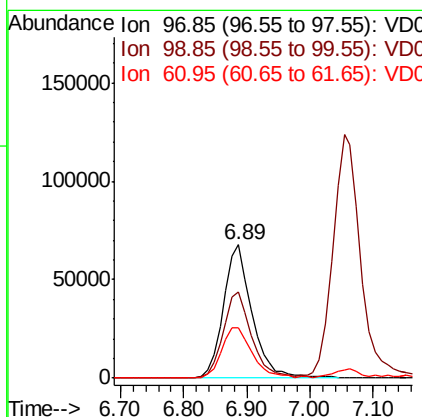
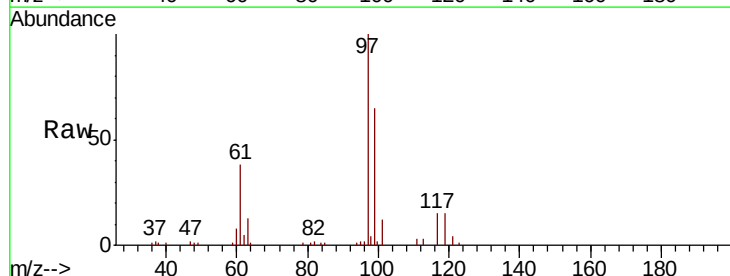
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

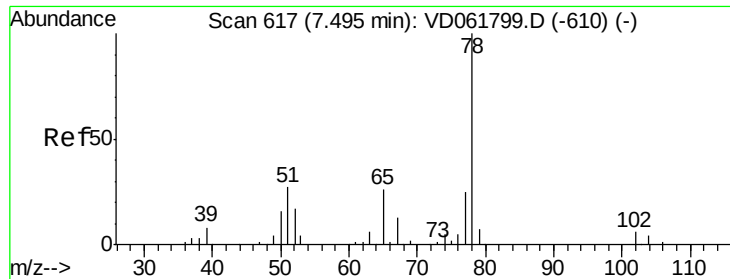
Tgt Ion: 56 Resp: 169077
Ion Ratio Lower Upper
56 100
69 32.8 25.8 38.6
84 92.7 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 18.887 ug/l
RT: 6.89 min Scan# 555
Delta R.T. -0.04 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Tgt Ion: 97 Resp: 212659
Ion Ratio Lower Upper
97 100
99 64.8 52.2 78.2
61 37.6 32.4 48.6

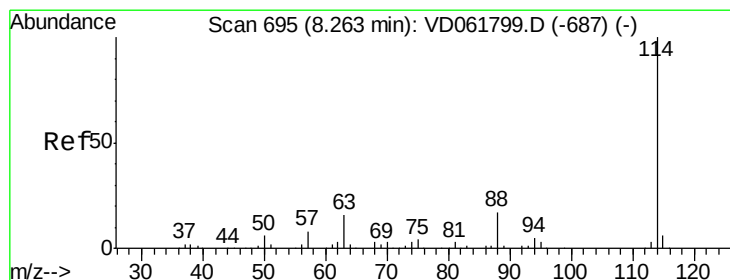
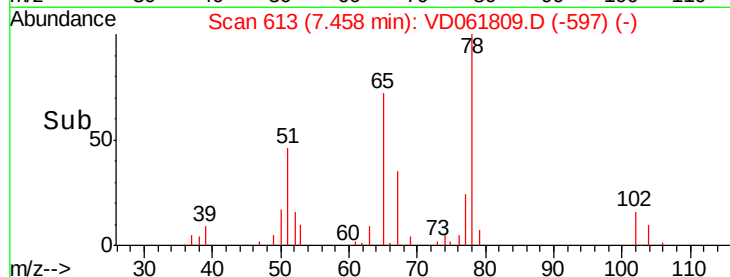
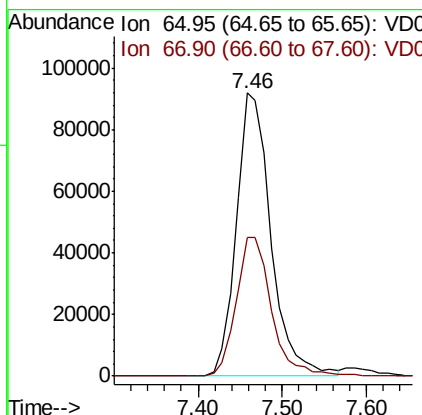
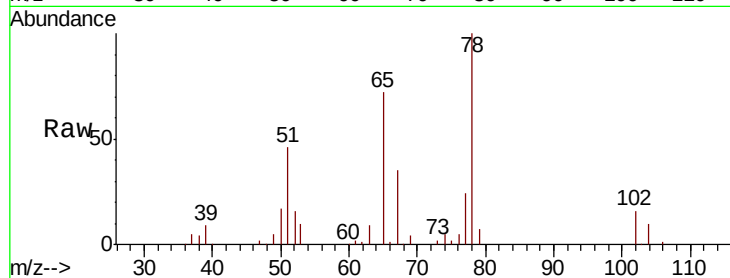




#33
 1,2-Dichloroethane-d4
 Concen: 18.887 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.04 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

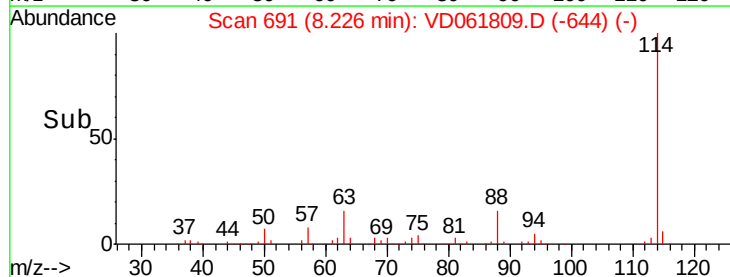
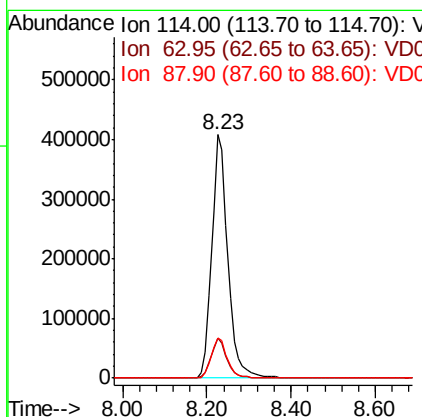
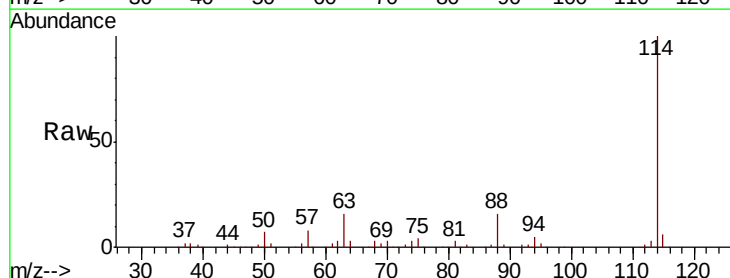
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

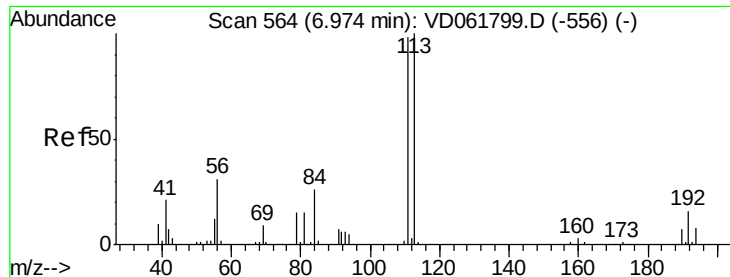
Tgt Ion: 65 Resp: 263432
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.04 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion: 114 Resp: 1081765
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 32.4
 88 16.4 0.0 33.6

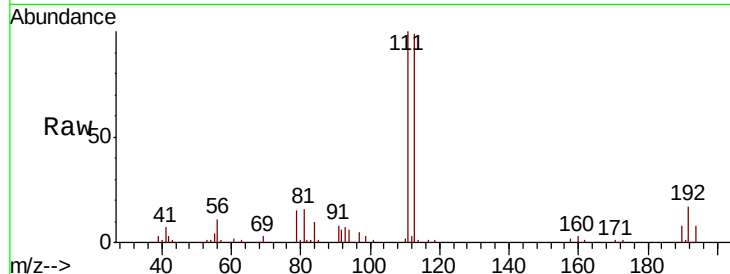




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. -0.04 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	78.5	117.7
192	16.8	13.0	19.4

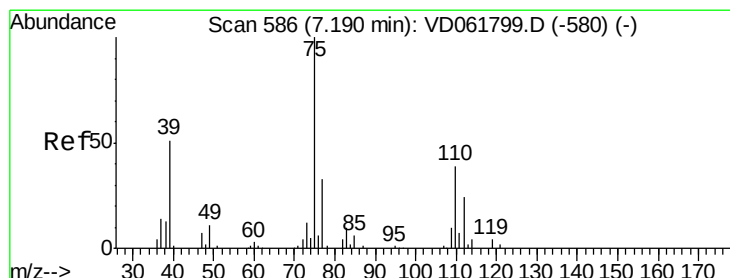
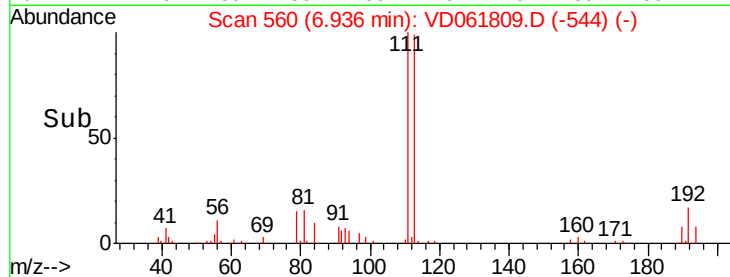
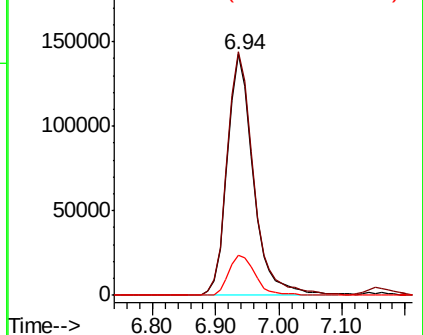


Abundance

Ion 112.90 (112.60 to 113.60): V

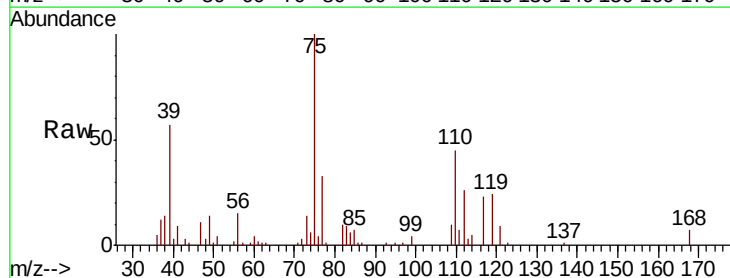
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36
 1,1-Dichloropropene
 Concen: 21.153 ug/l
 RT: 7.16 min Scan# 583
 Delta R.T. -0.03 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	45.0	19.1	57.1
77	32.8	25.6	38.4

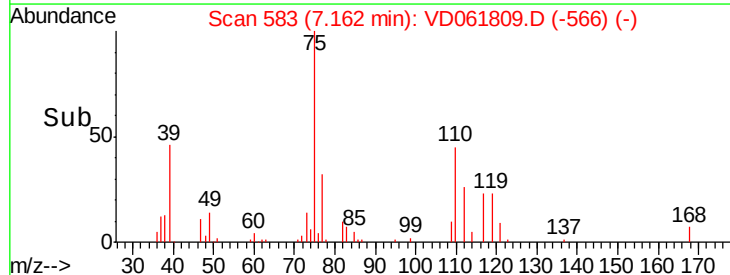
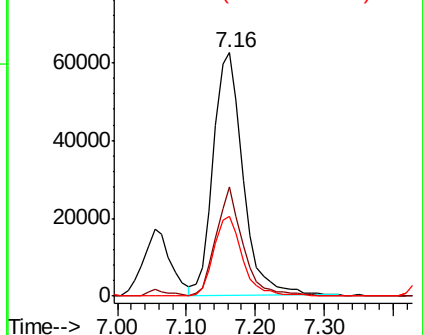


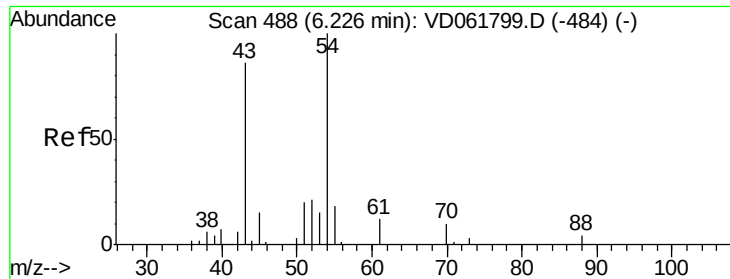
Abundance

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: 21.579 ug/l

RT: 6.19 min Scan# 484

Delta R.T. -0.04 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

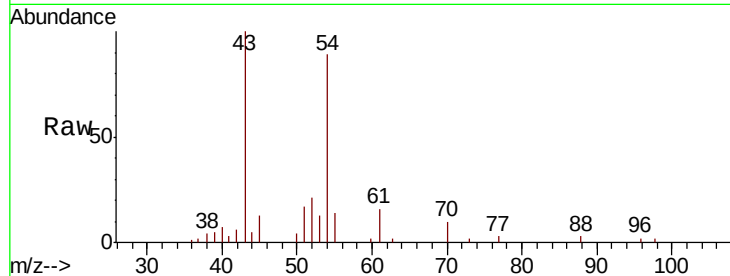
Tgt Ion: 43 Resp: 81639

Ion Ratio Lower Upper

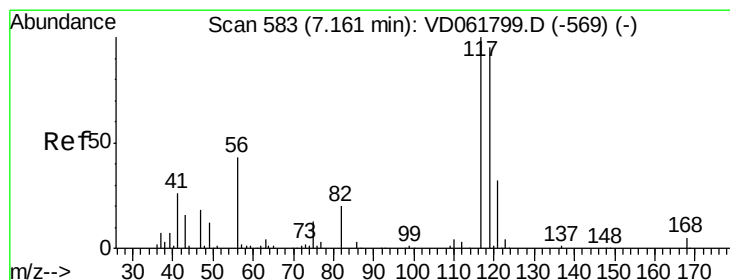
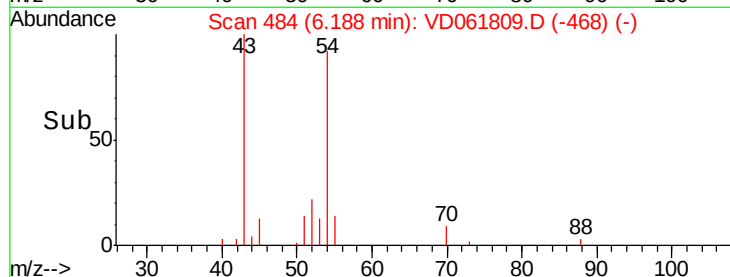
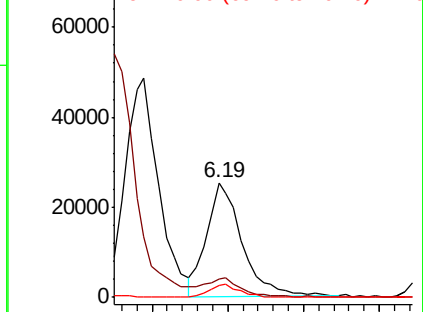
43 100

61 16.2 14.7 22.1

70 9.9 7.8 11.6



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



#38

Carbon Tetrachloride

Concen: 19.509 ug/l

RT: 7.12 min Scan# 579

Delta R.T. -0.04 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

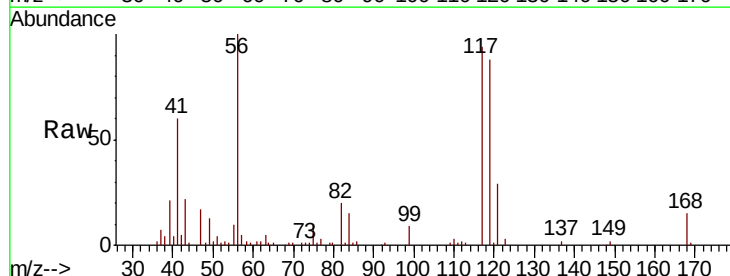
Tgt Ion: 117 Resp: 217762

Ion Ratio Lower Upper

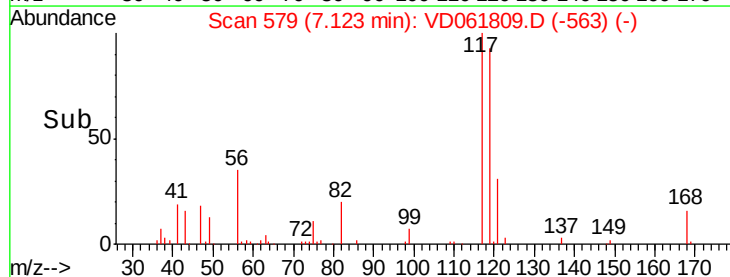
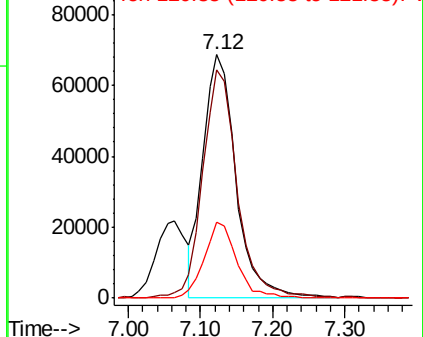
117 100

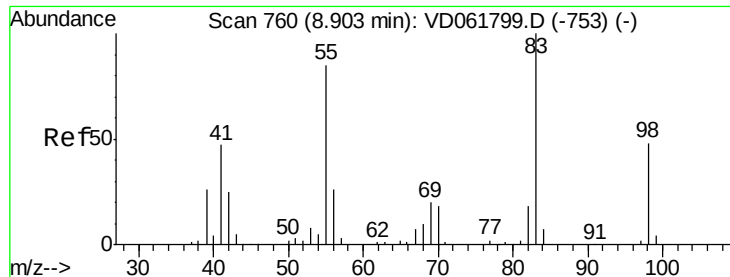
119 93.6 75.8 113.8

121 31.0 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

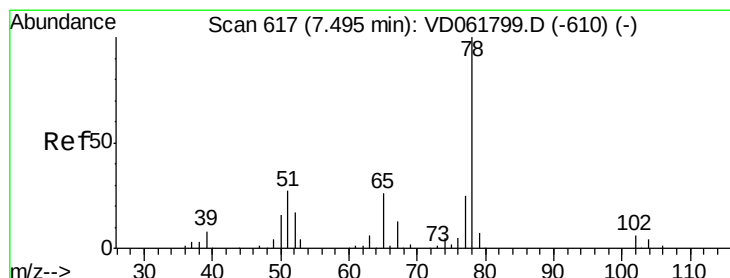
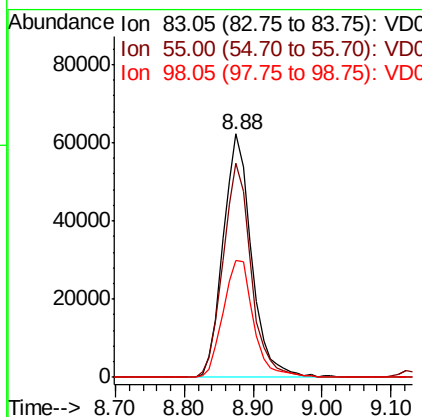
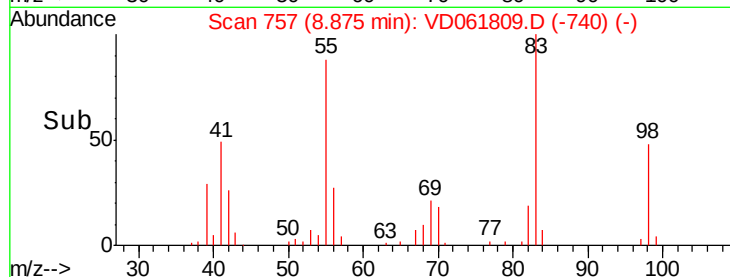
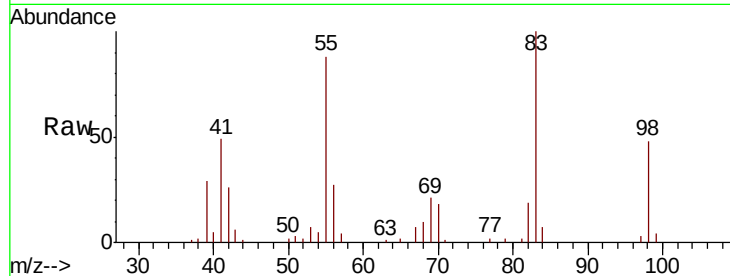




#39
Methylcyclohexane
Concen: 19.358 ug/l
RT: 8.88 min Scan# 757
Delta R.T. -0.03 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

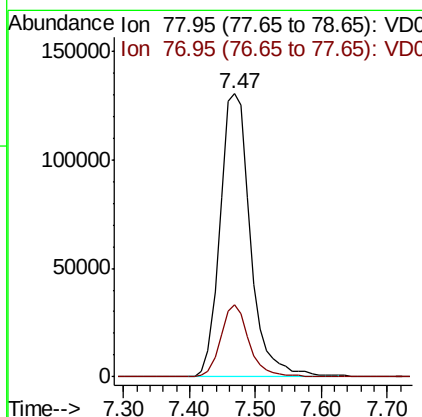
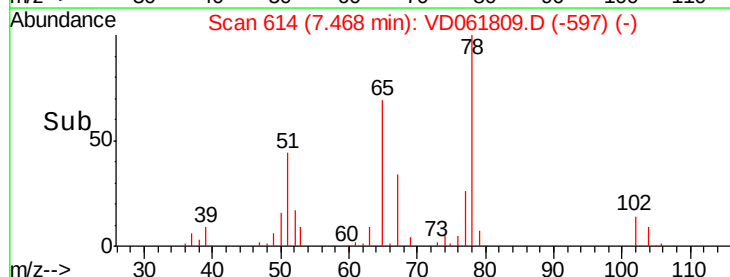
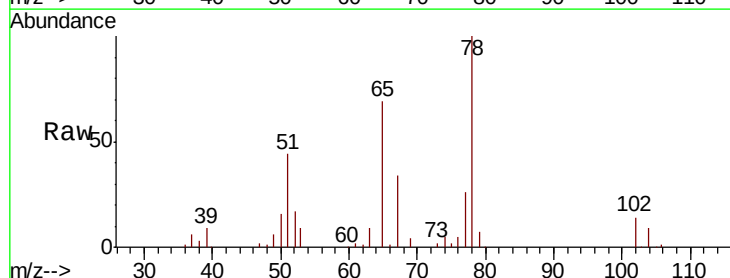
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

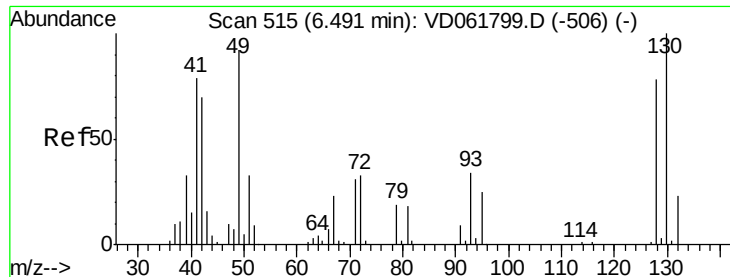
Tgt Ion: 83 Resp: 177699
Ion Ratio Lower Upper
83 100
55 87.8 68.2 102.4
98 48.2 38.2 57.4



#40
Benzene
Concen: 19.752 ug/l
RT: 7.47 min Scan# 614
Delta R.T. -0.03 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Tgt Ion: 78 Resp: 419176
Ion Ratio Lower Upper
78 100
77 25.6 19.7 29.5

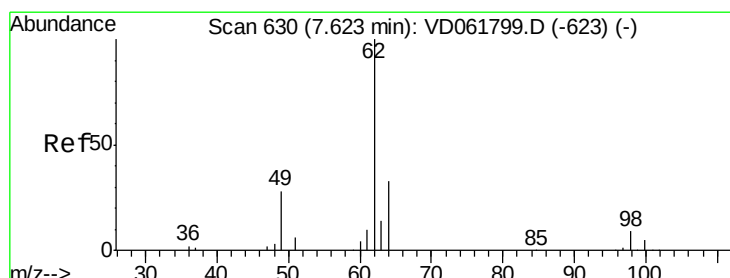
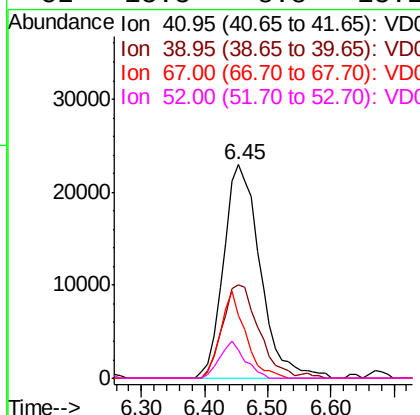
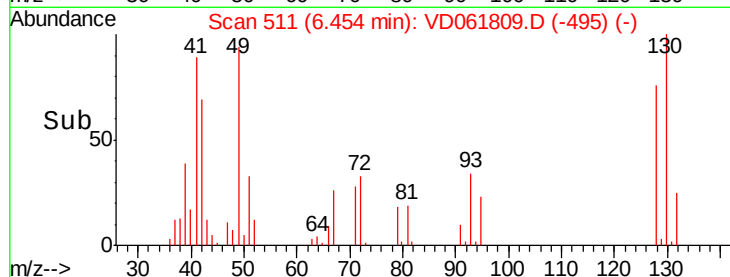
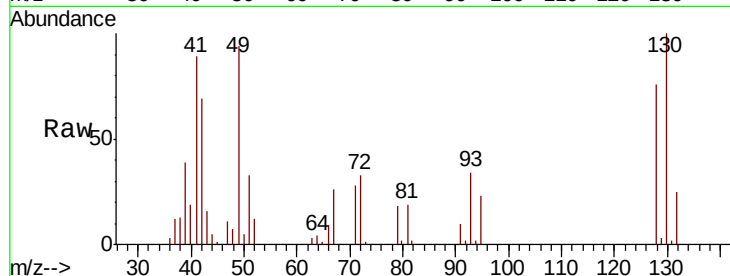




#41
Methacrylonitrile
Concen: 20.620 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.04 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

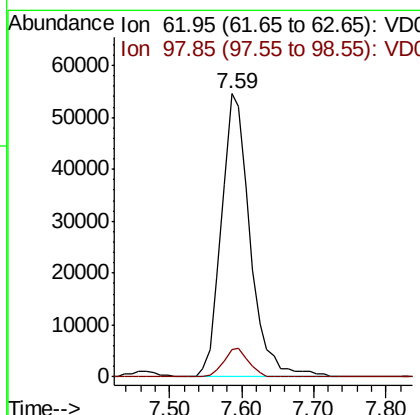
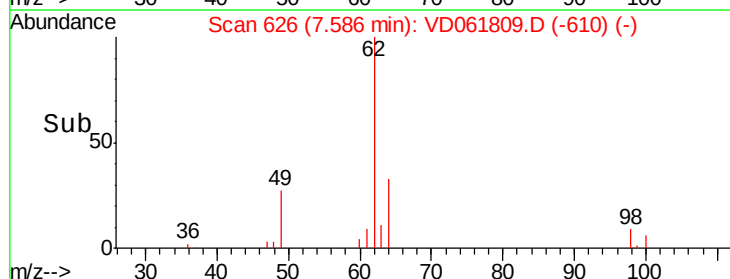
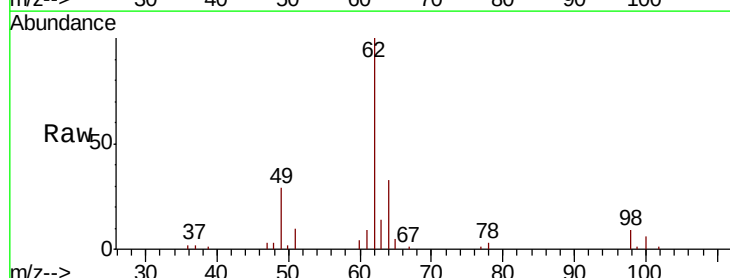
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

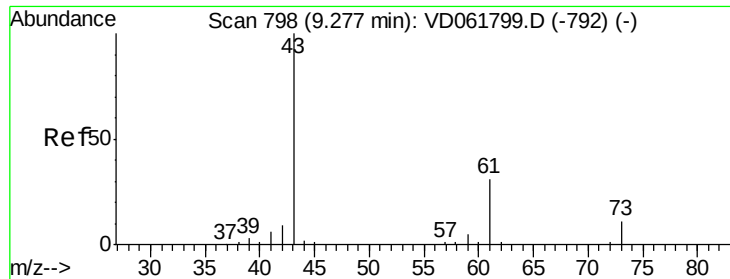
Tgt Ion: 41 Resp: 92207
Ion Ratio Lower Upper
41 100
39 44.0 34.1 51.1
67 29.2 23.8 35.6
52 13.3 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 20.318 ug/l
RT: 7.59 min Scan# 626
Delta R.T. -0.04 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Tgt Ion: 62 Resp: 150176
Ion Ratio Lower Upper
62 100
98 9.5 0.0 17.8

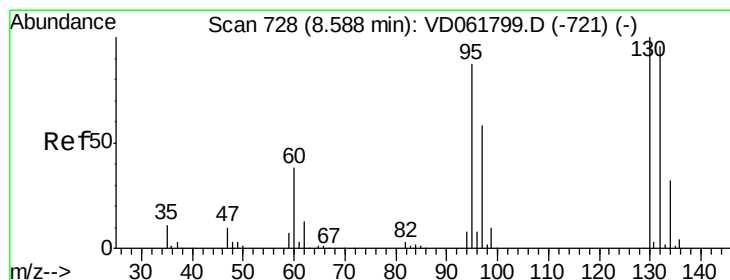
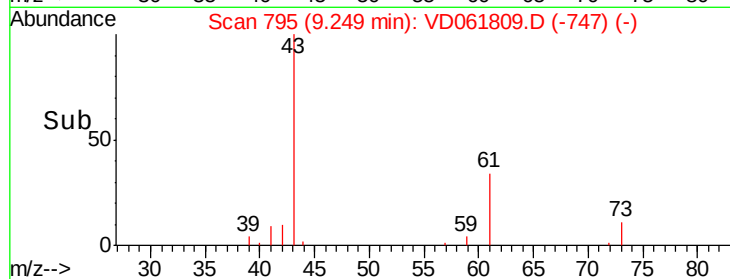
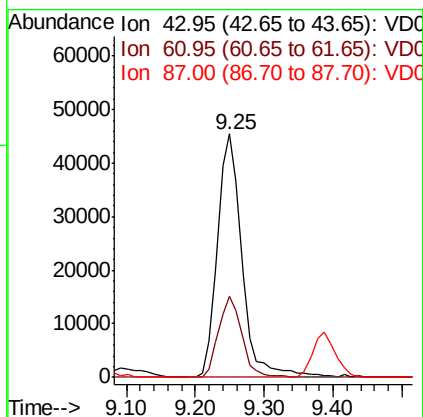
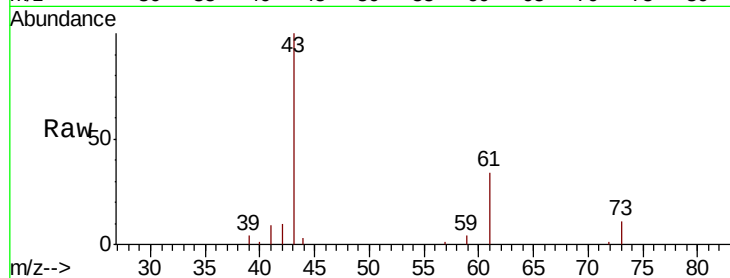




#43
Isopropyl Acetate
Concen: 21.072 ug/l
RT: 9.25 min Scan# 795
Delta R.T. -0.03 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

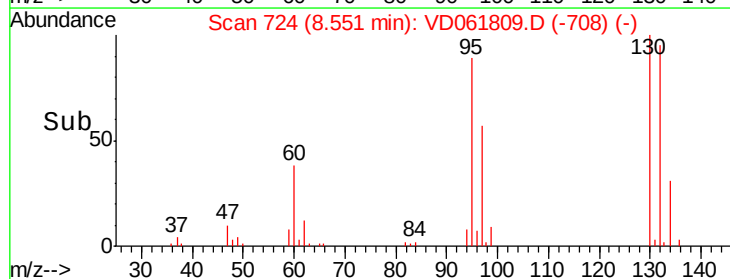
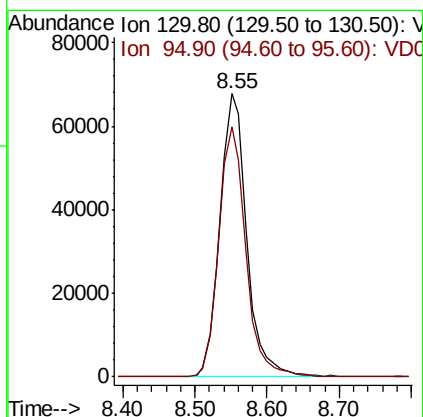
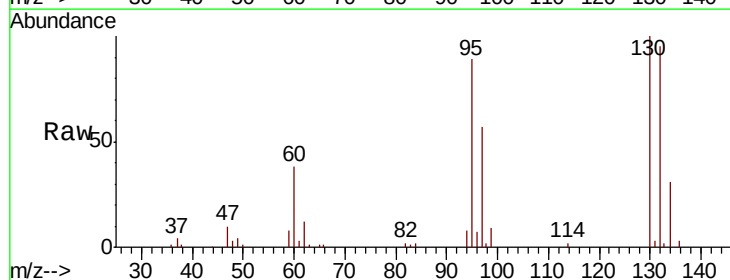
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

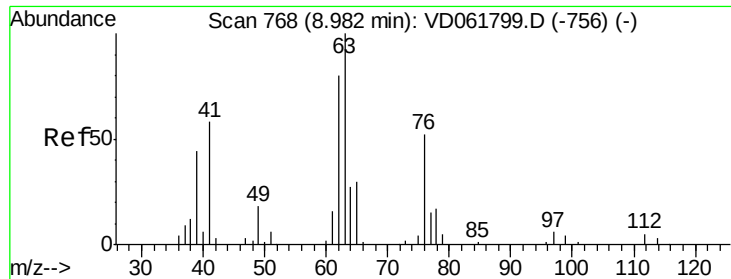
Tgt Ion: 43 Resp: 112190
Ion Ratio Lower Upper
43 100
61 33.5 25.1 37.7
87 0.0 0.0 0.0



#44
Trichloroethene
Concen: 21.370 ug/l
RT: 8.55 min Scan# 724
Delta R.T. -0.04 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Tgt Ion: 130 Resp: 174591
Ion Ratio Lower Upper
130 100
95 88.5 0.0 174.0





#45

1,2-Dichloropropane

Concen: 20.944 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.04 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

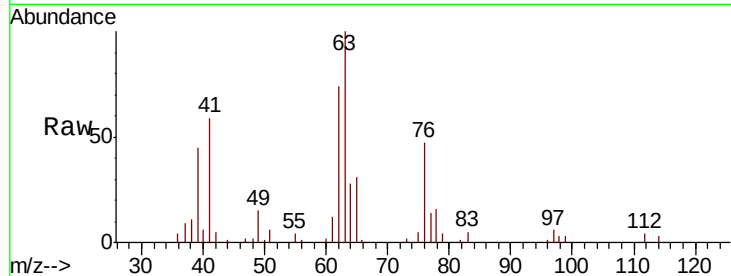
VD0416SBS01

Tgt Ion: 63 Resp: 115777

Ion Ratio Lower Upper

63 100

65 31.2 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

50000

40000

30000

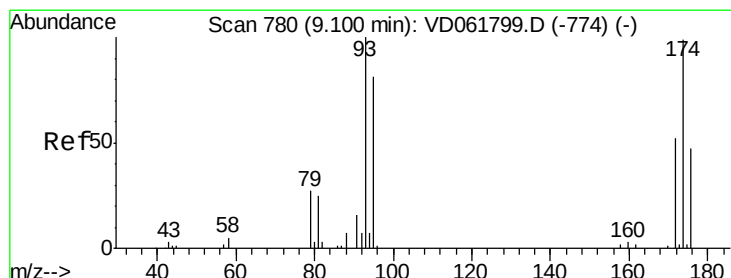
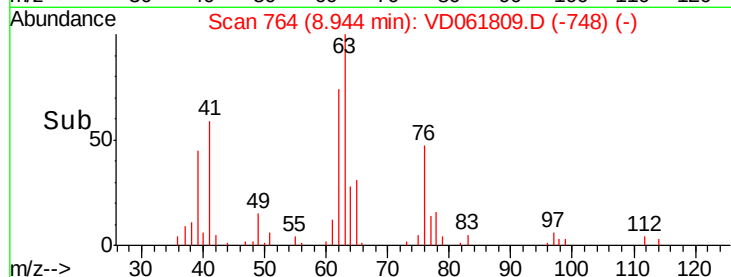
20000

10000

0

8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 21.110 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.03 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

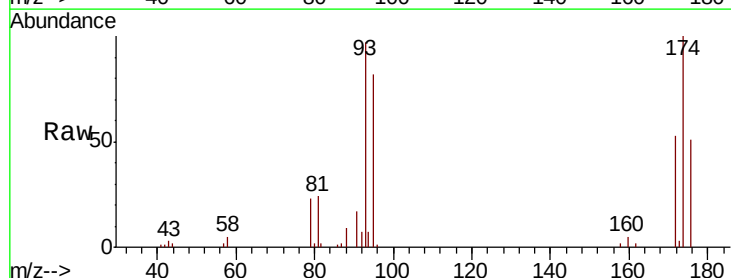
Tgt Ion: 93 Resp: 83148

Ion Ratio Lower Upper

93 100

95 84.2 64.8 97.2

174 103.3 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.07

50000

40000

30000

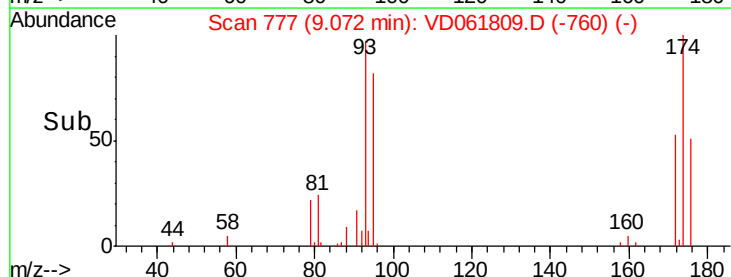
20000

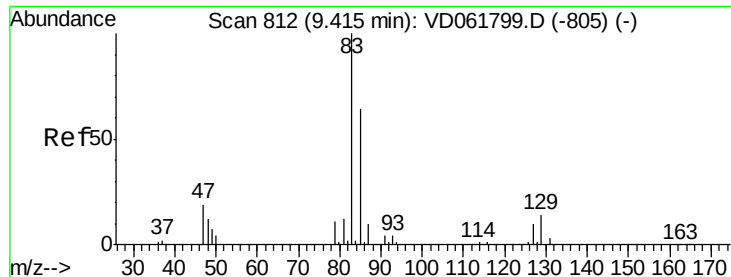
10000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 19.972 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.03 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

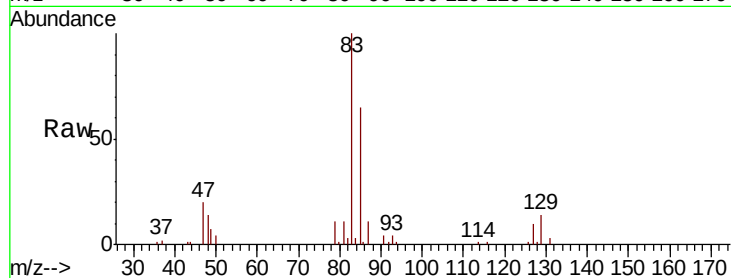
Tgt Ion: 83 Resp: 181486

Ion Ratio Lower Upper

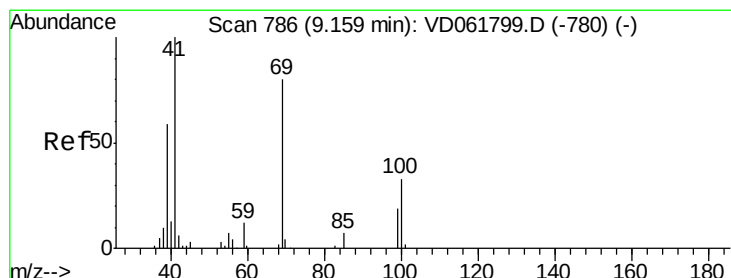
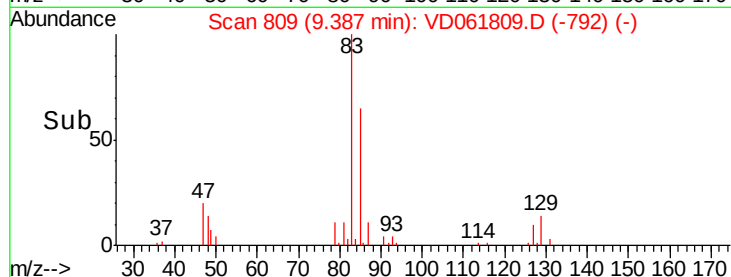
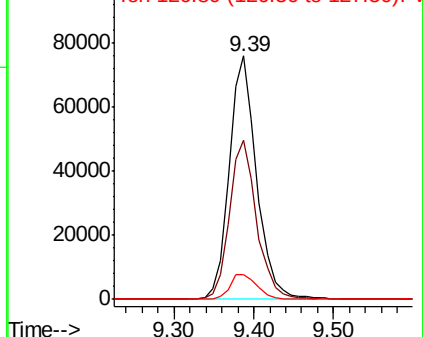
83 100

85 65.3 50.9 76.3

127 10.0 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: 19.486 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.04 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

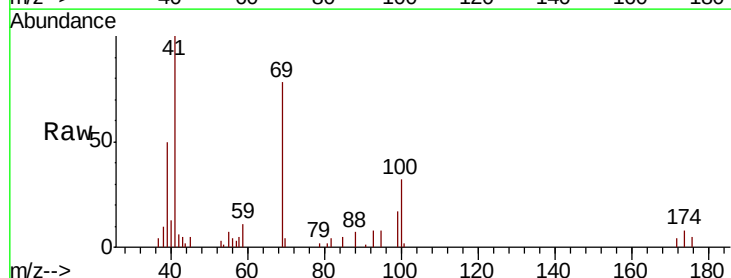
Tgt Ion: 41 Resp: 60983

Ion Ratio Lower Upper

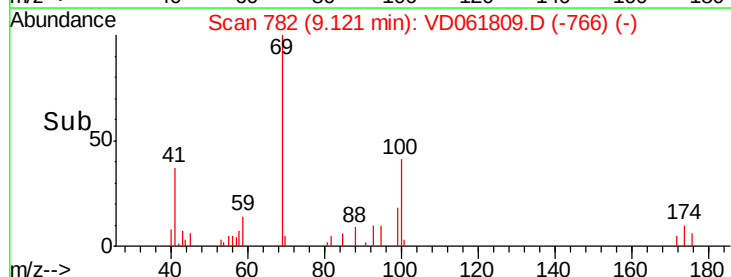
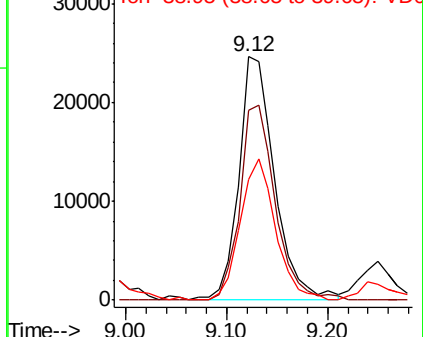
41 100

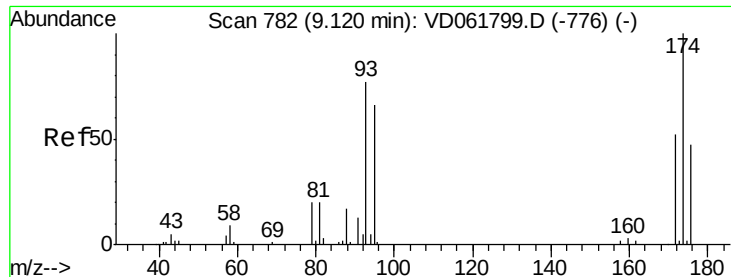
69 78.1 64.2 96.2

39 49.7 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

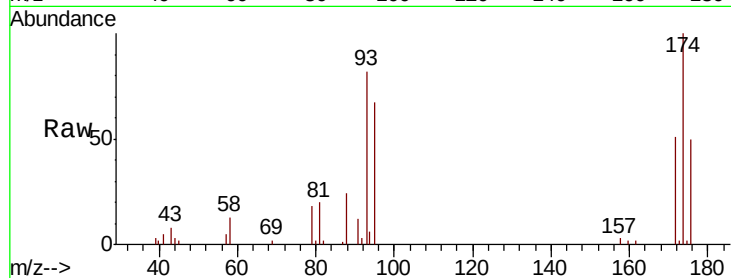




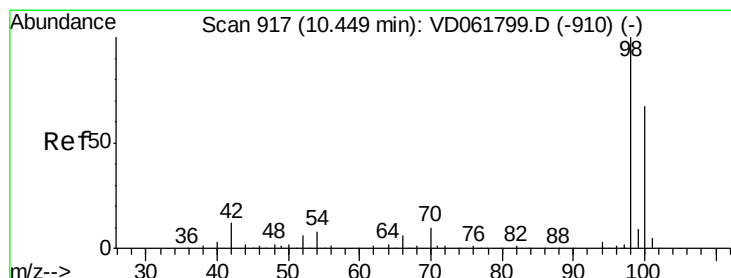
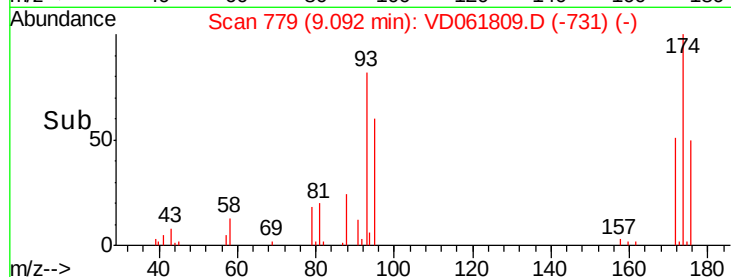
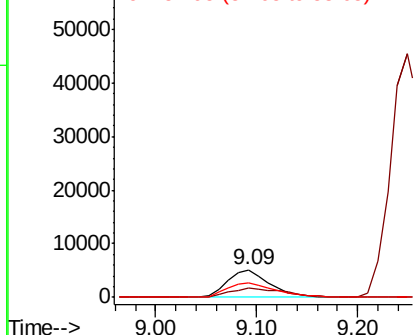
#49
 1,4-Dioxane
 Concen: 432.550 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.03 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

Tgt Ion: 88 Resp: 14796
 Ion Ratio Lower Upper
 88 100
 43 32.4 23.4 35.0
 58 53.6 44.0 66.0

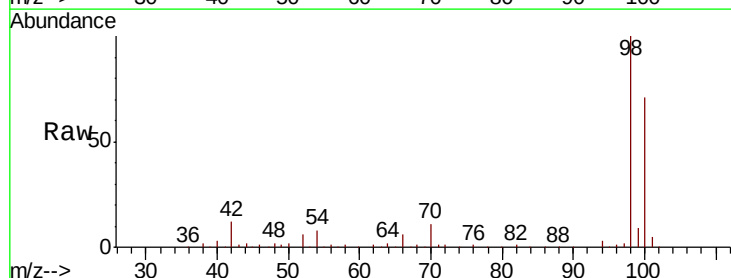


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

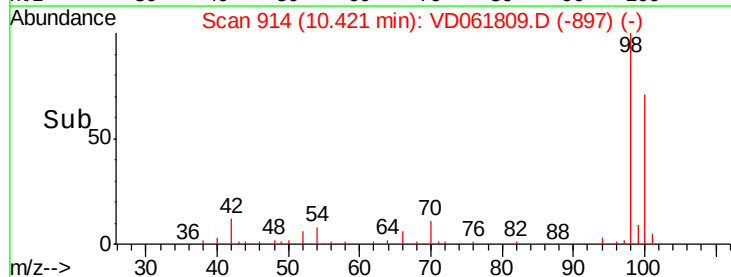
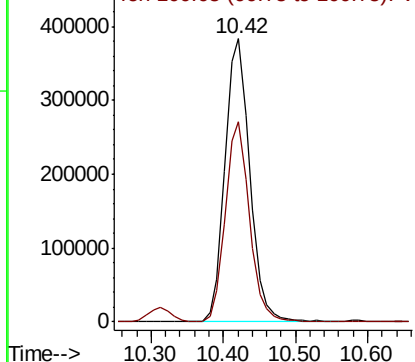


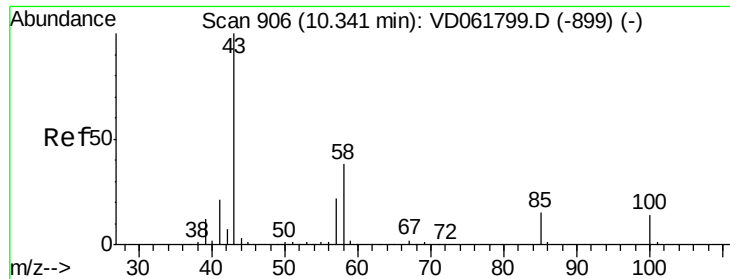
#50
 Toluene-d8
 Concen: 432.550 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. -0.03 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion: 98 Resp: 918998
 Ion Ratio Lower Upper
 98 100
 100 70.9 53.8 80.8



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

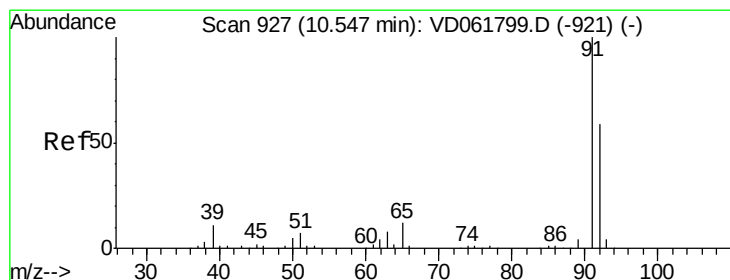
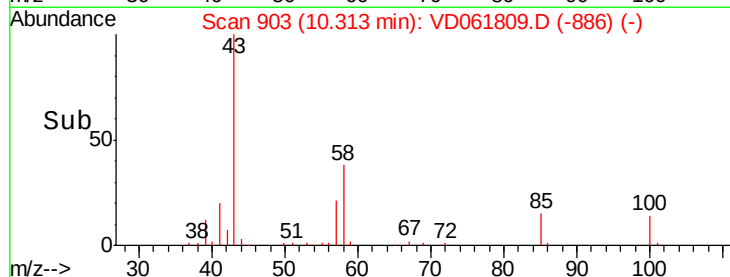
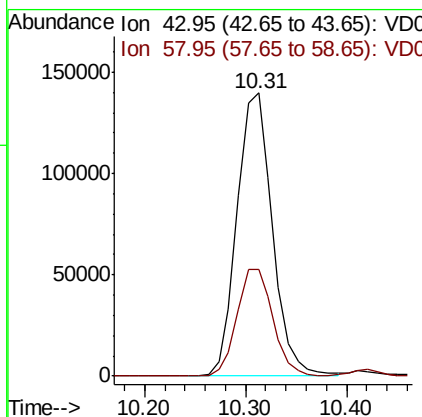
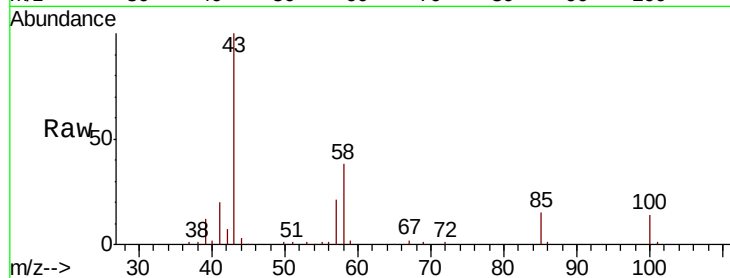




#51
 4-Methyl-2-Pentanone
 Concen: 105.022 ug/l
 RT: 10.31 min Scan# 903
 Delta R.T. -0.03 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

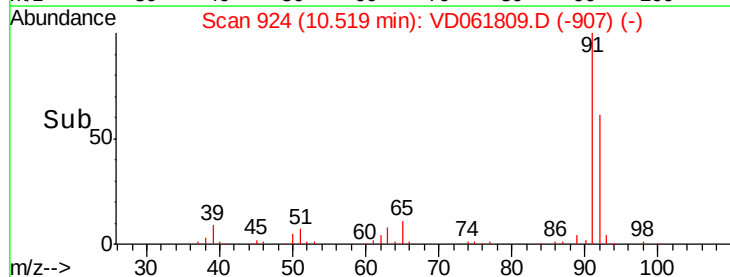
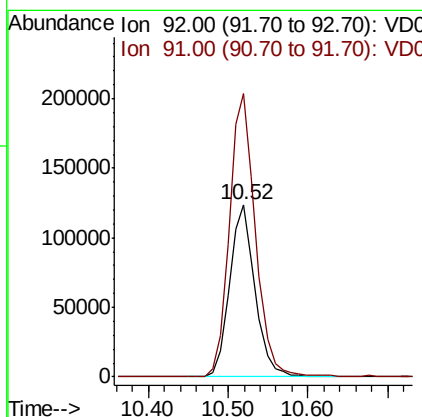
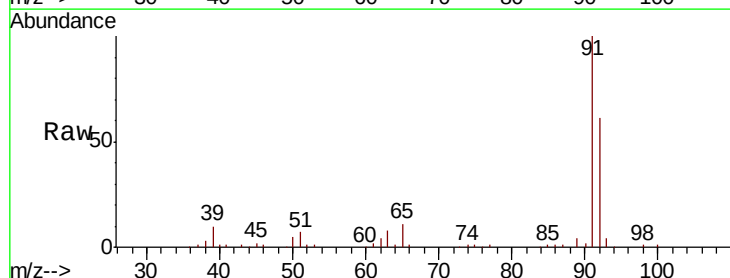
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

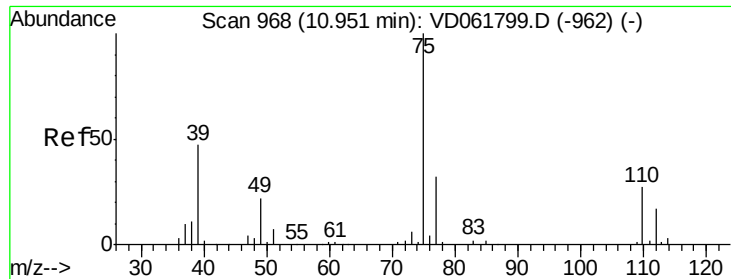
Tgt Ion: 43 Resp: 341937
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.4 45.6



#52
 Toluene
 Concen: 20.305 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. -0.03 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion: 92 Resp: 276148
 Ion Ratio Lower Upper
 92 100
 91 164.0 136.6 204.8

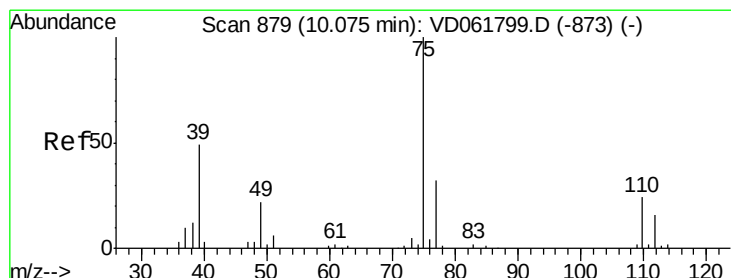
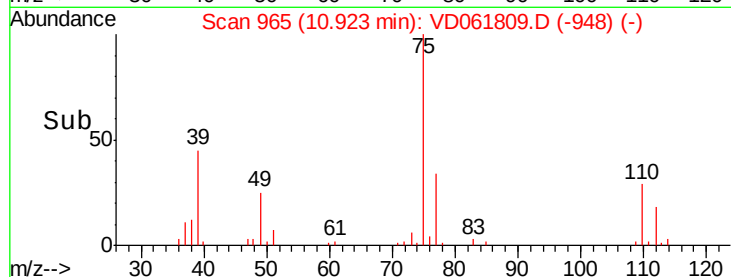
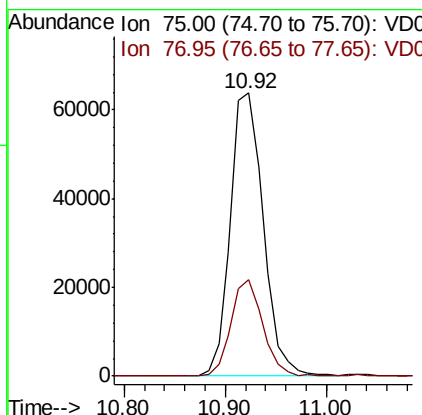
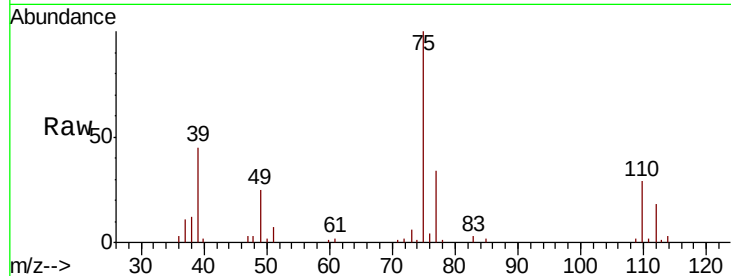




#53
 t-1,3-Dichloropropene
 Concen: 17.717 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.03 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

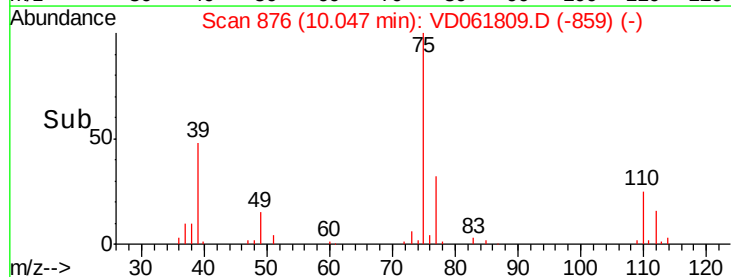
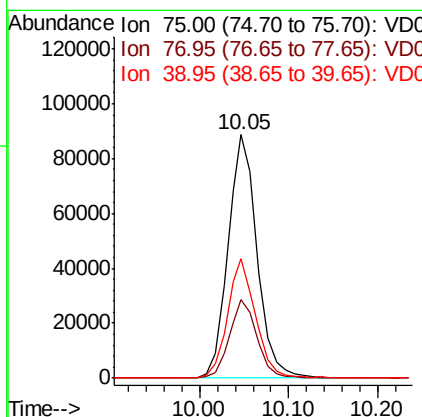
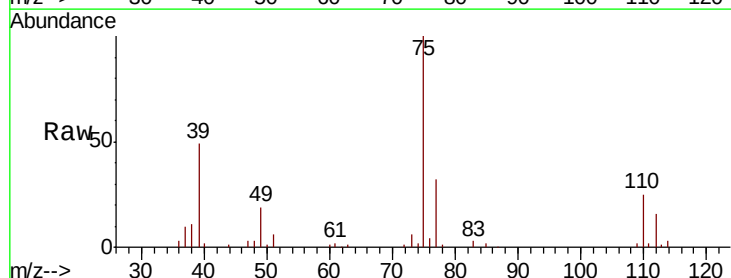
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

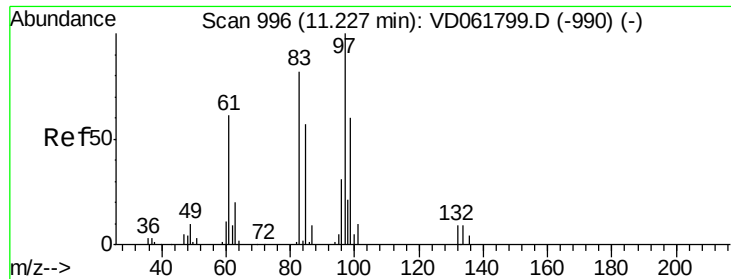
Tgt Ion: 75 Resp: 145071
 Ion Ratio Lower Upper
 75 100
 77 34.0 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.945 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.03 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion: 75 Resp: 201306
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3
 39 49.3 39.4 59.2

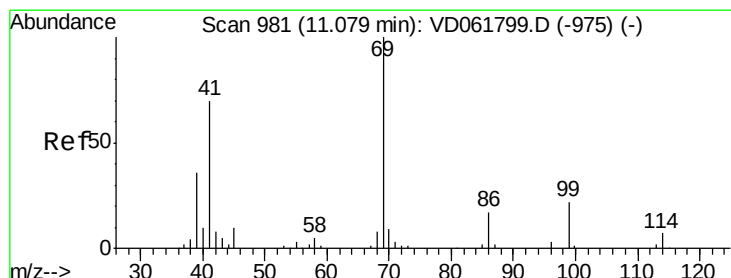
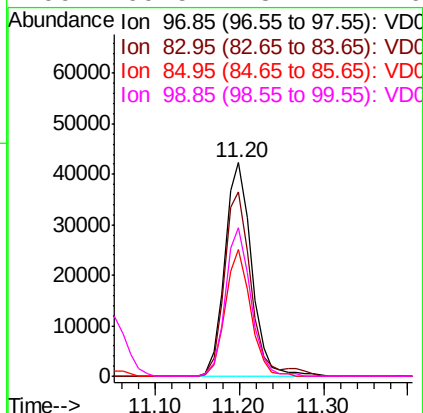
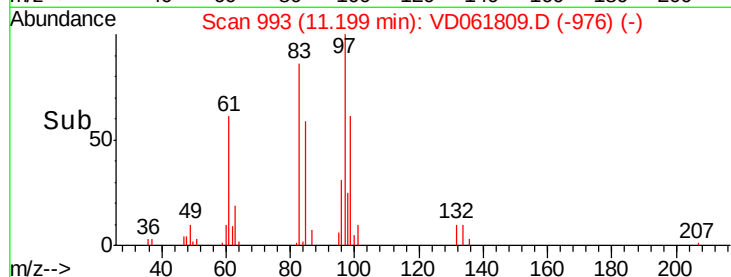
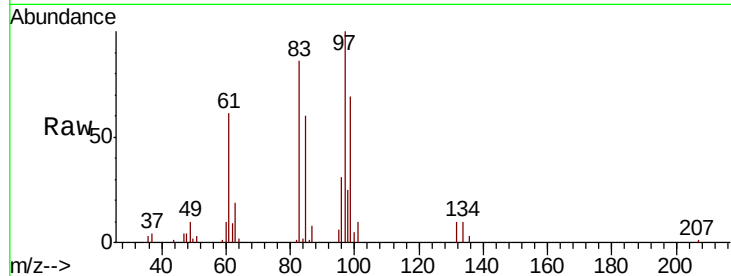




#55
 1,1,2-Trichloroethane
 Concen: 20.433 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.03 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

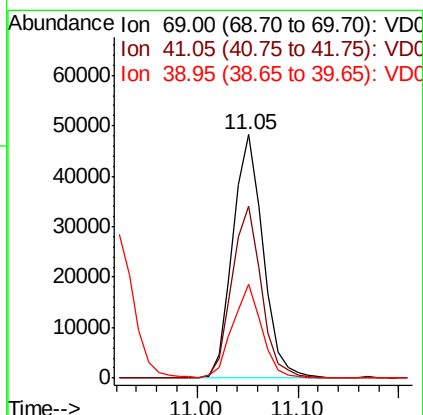
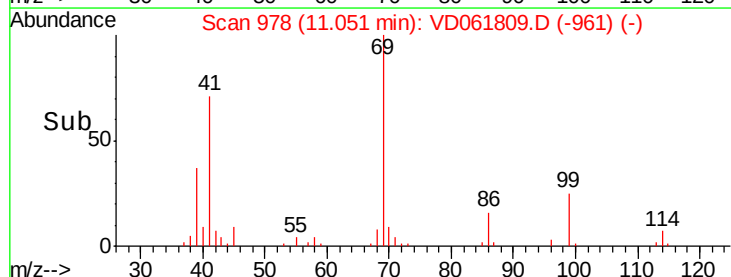
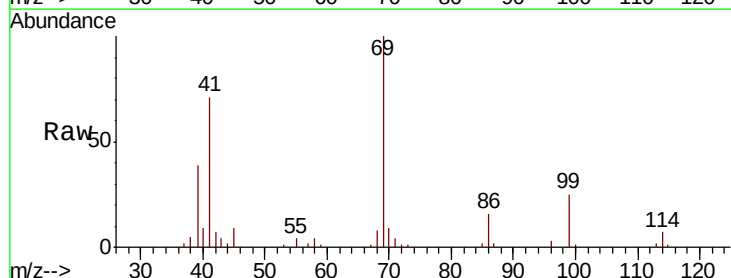
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

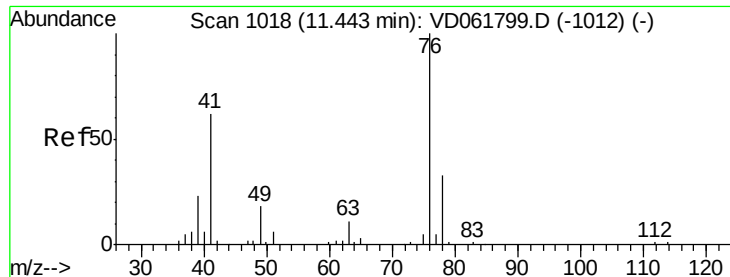
Tgt Ion:	97	Resp:	93638
Ion	Ratio	Lower	Upper
97	100		
83	86.0	65.7	98.5
85	59.6	45.6	68.4
99	69.5	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 20.008 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.03 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion:	69	Resp:	100632
Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.3	84.5
39	38.7	29.4	44.2

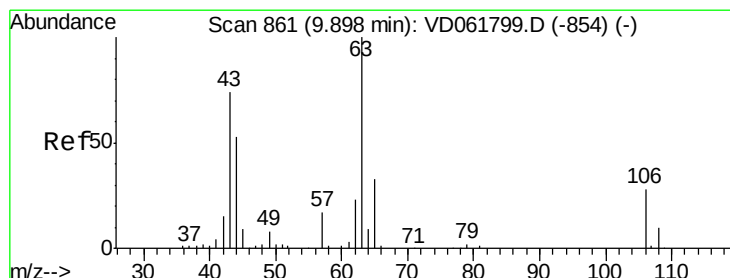
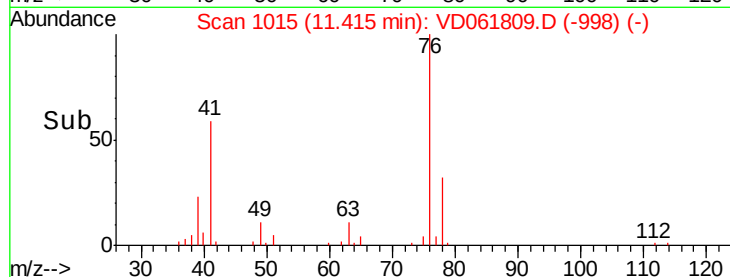
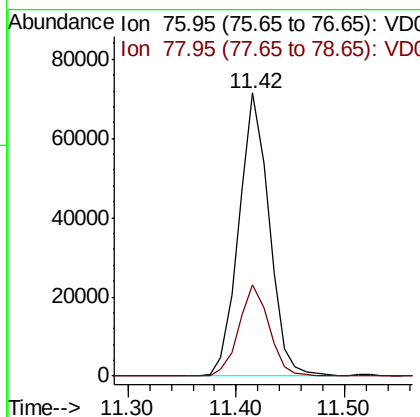
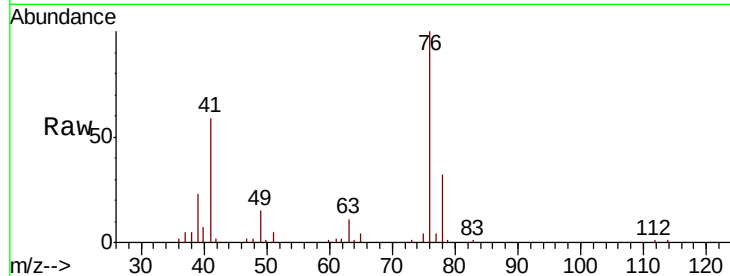




#57
 1,3-Dichloropropane
 Concen: 20.188 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. -0.03 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

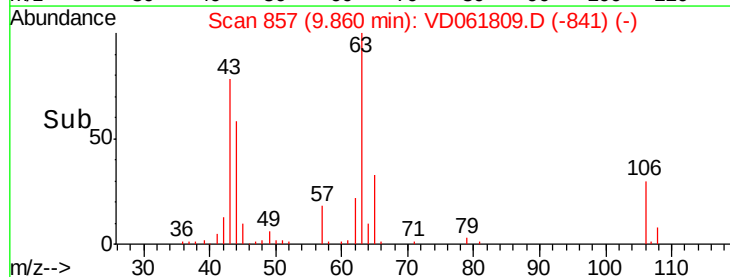
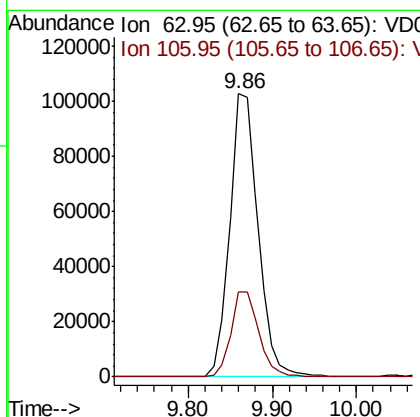
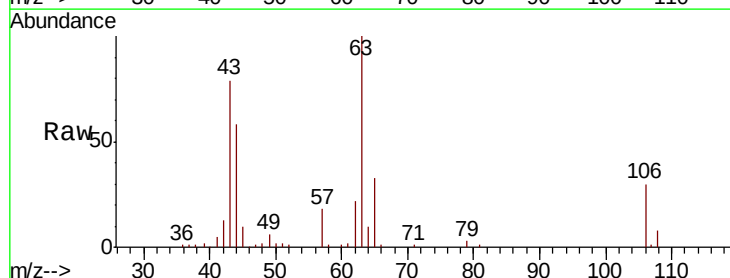
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

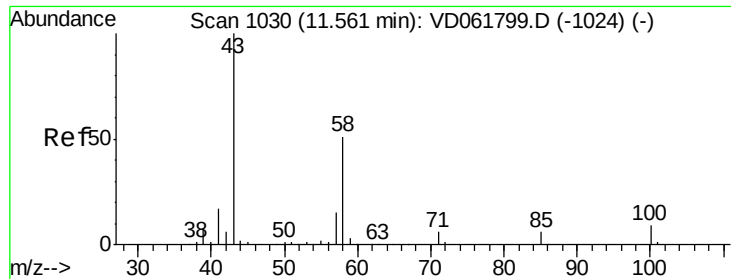
Tgt Ion: 76 Resp: 139084
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.409 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.04 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion: 63 Resp: 240211
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.6 34.0

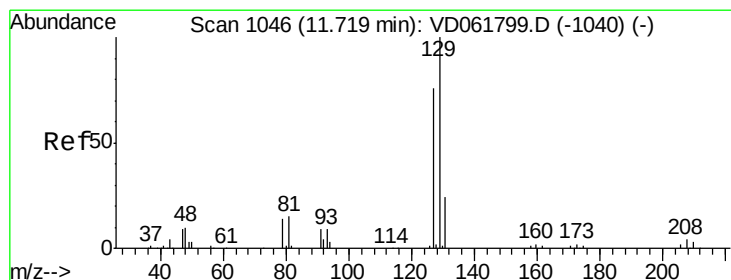
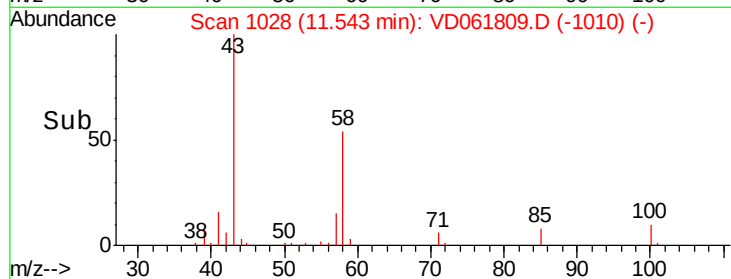
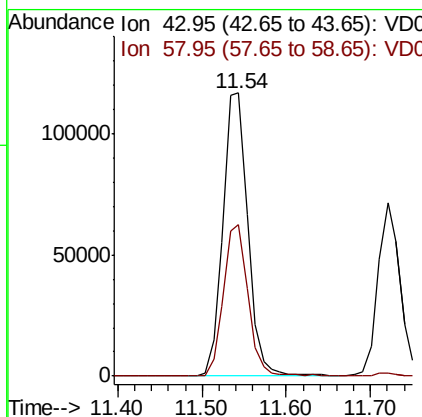
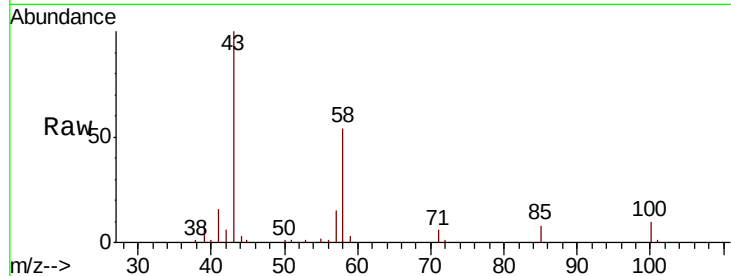




#59
2-Hexanone
Concen: 99.387 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

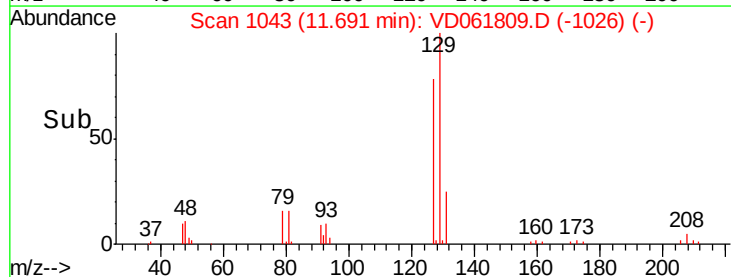
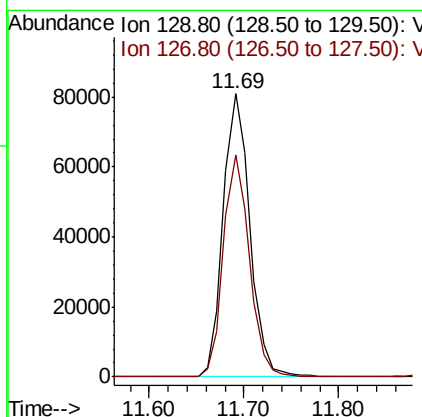
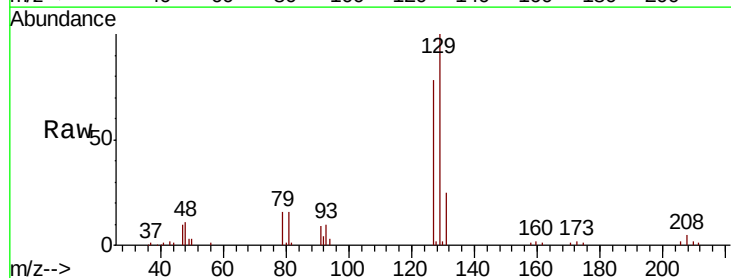
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

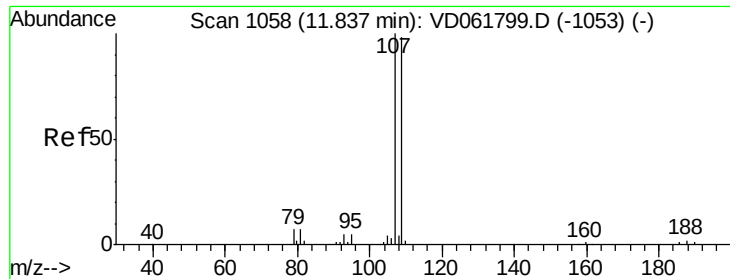
Tgt Ion: 43 Resp: 240338
Ion Ratio Lower Upper
43 100
58 53.7 25.4 76.4



#60
Dibromochloromethane
Concen: 21.102 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.03 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Tgt Ion: 129 Resp: 158227
Ion Ratio Lower Upper
129 100
127 78.3 38.0 113.9

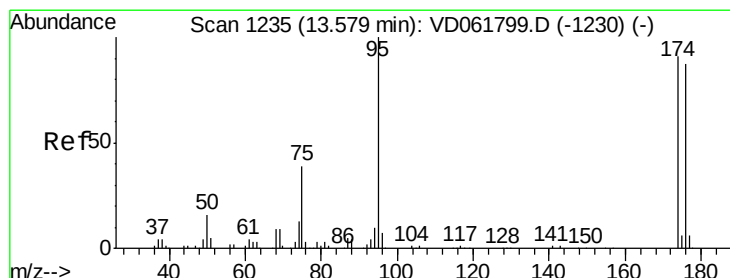
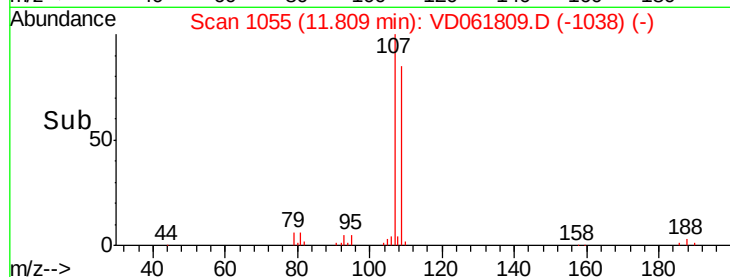
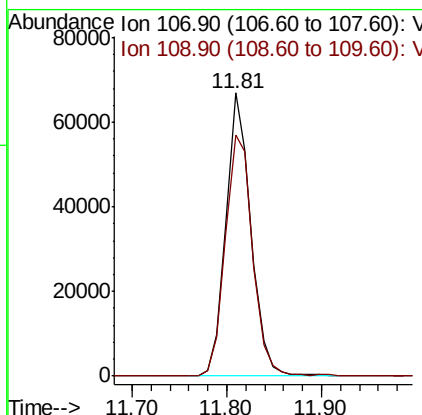
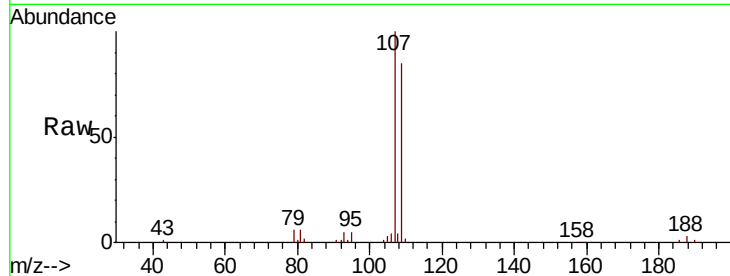




#61
 1,2-Dibromoethane
 Concen: 21.576 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.03 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

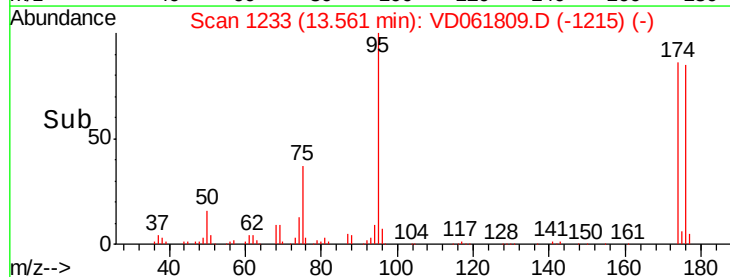
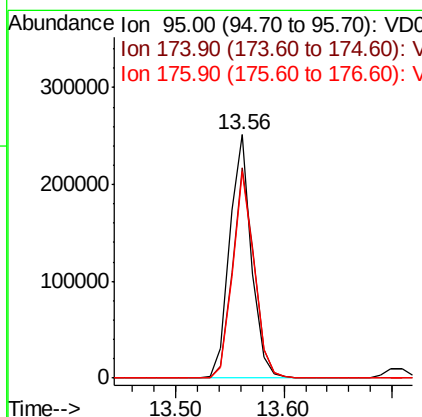
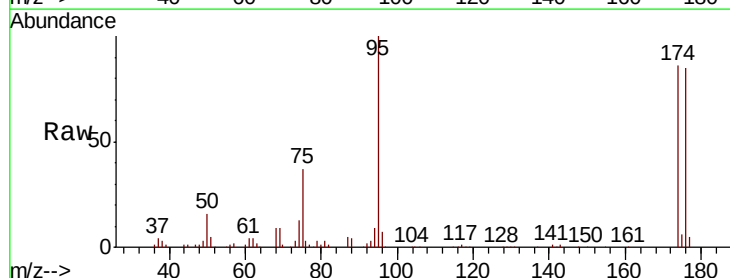
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

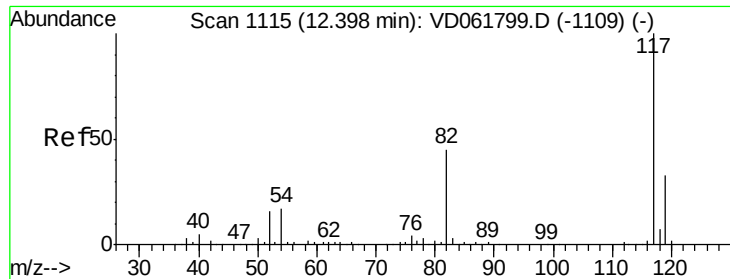
Tgt Ion: 107 Resp: 121577
 Ion Ratio Lower Upper
 107 100
 109 85.4 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 21.576 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.02 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion: 95 Resp: 350800
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 181.8
 176 84.8 0.0 174.4

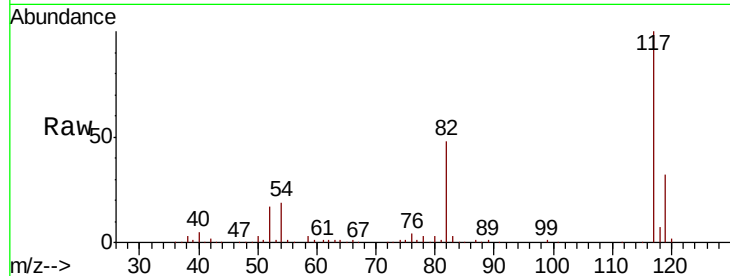




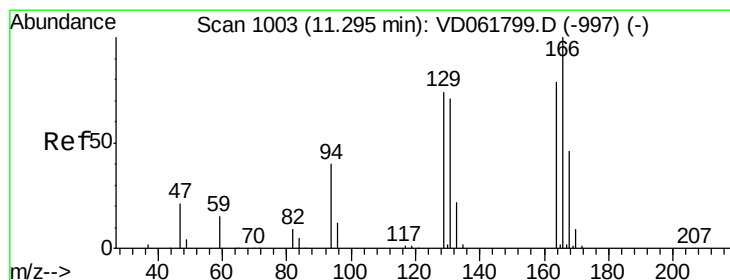
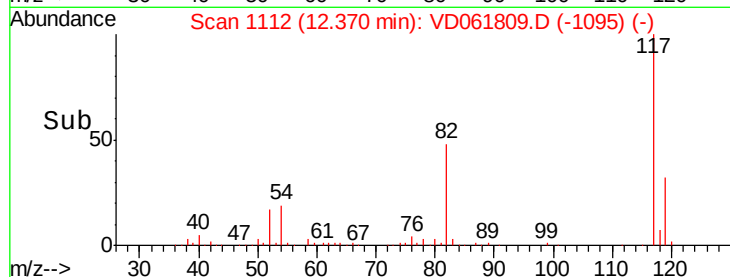
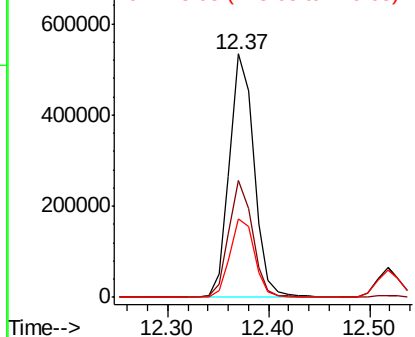
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

Tgt Ion:117 Resp: 906500
Ion Ratio Lower Upper
117 100
82 48.2 36.2 54.2
119 32.4 26.2 39.4

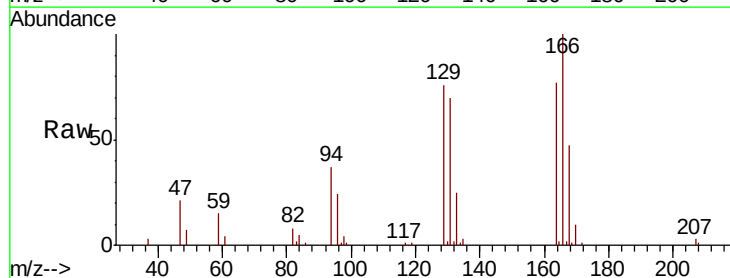


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

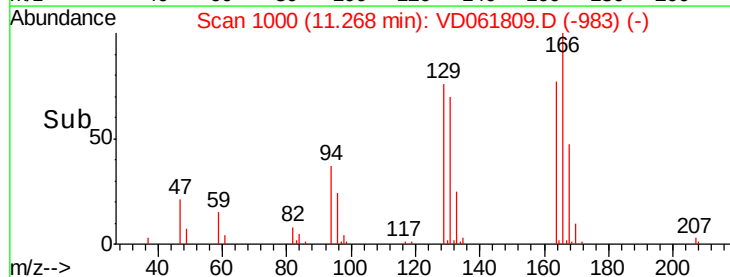
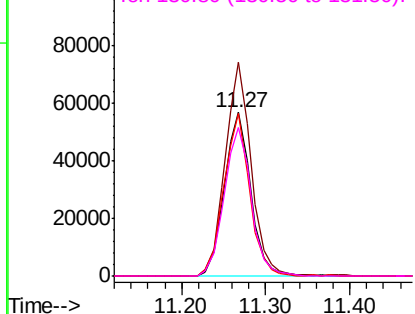


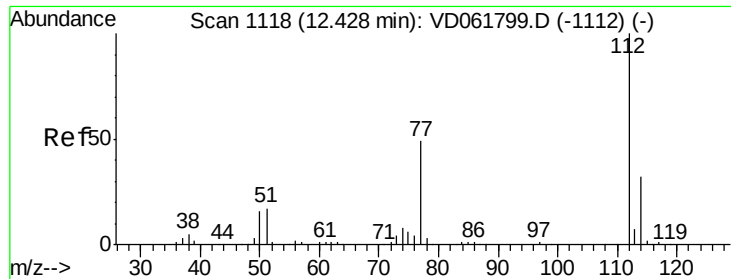
#64
Tetrachloroethene
Concen: 18.083 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.03 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Tgt Ion:164 Resp: 122932
Ion Ratio Lower Upper
164 100
166 130.7 101.5 152.3
129 99.1 74.6 112.0
131 91.1 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

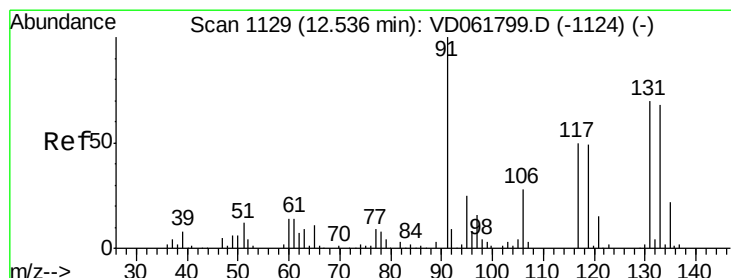
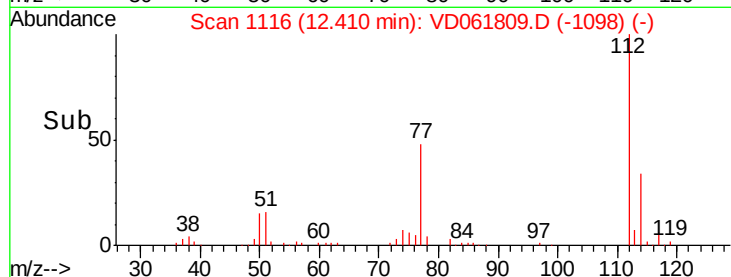
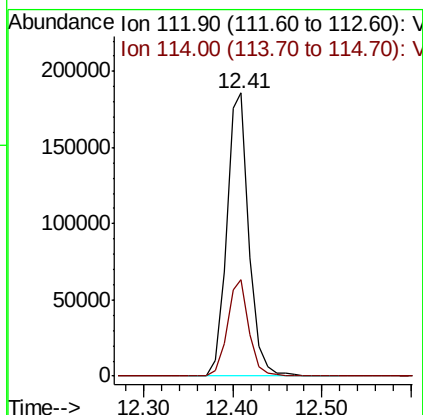
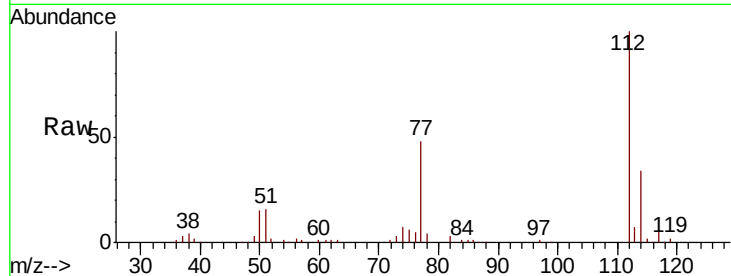




#65
Chlorobenzene
Concen: 19.293 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. -0.02 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

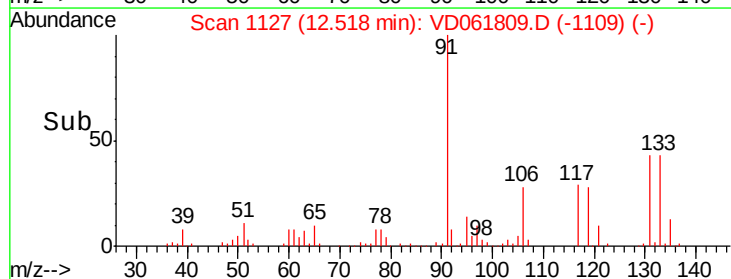
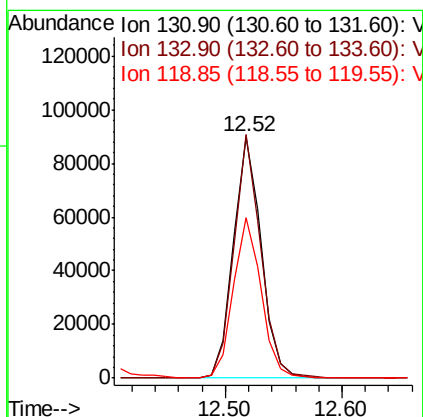
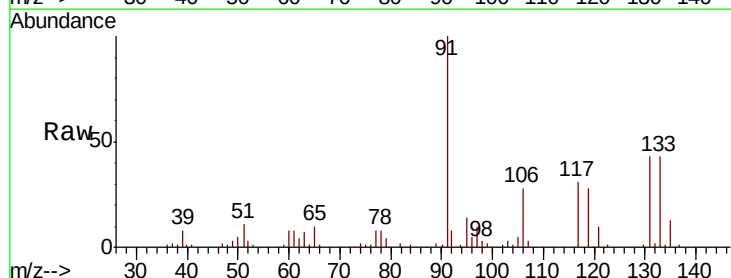
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

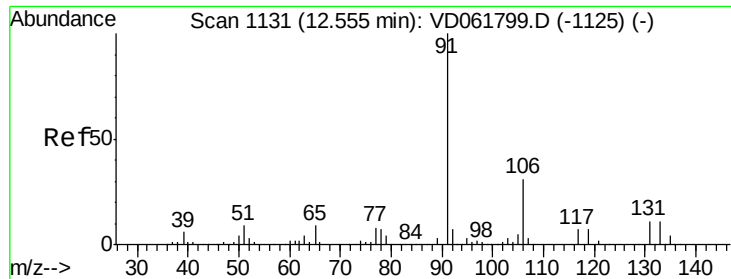
Tgt Ion:112 Resp: 325703
Ion Ratio Lower Upper
112 100
114 34.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.002 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Tgt Ion:131 Resp: 148587
Ion Ratio Lower Upper
131 100
133 100.9 48.6 145.8
119 66.6 34.7 104.1

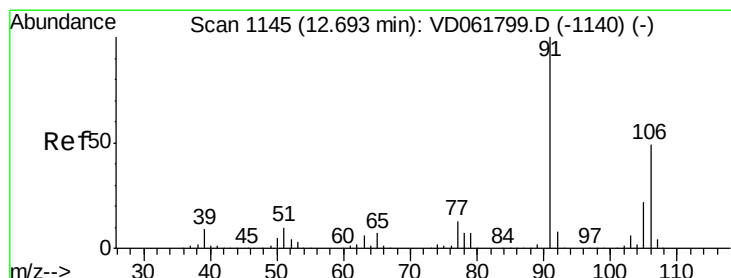
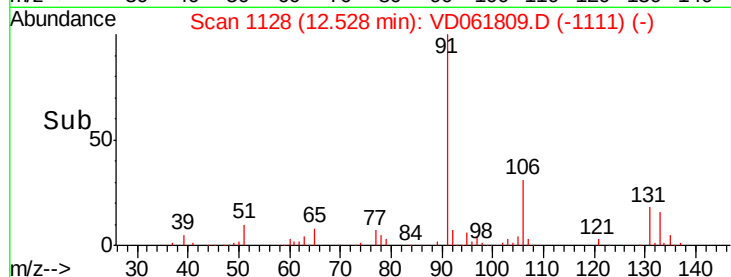
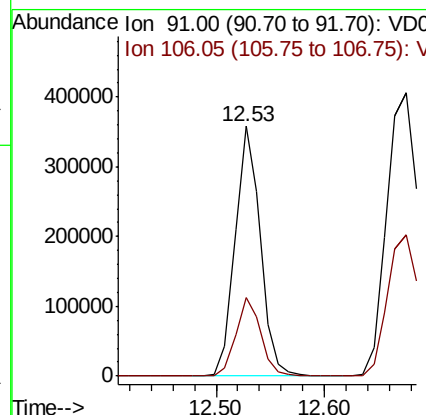
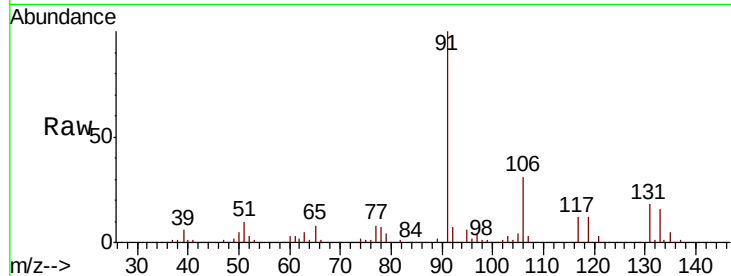




#67
Ethyl Benzene
Concen: 21.497 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.03 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

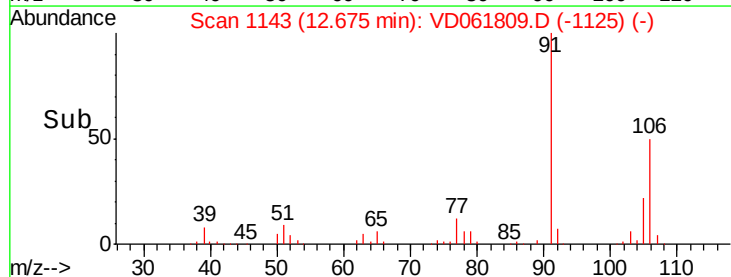
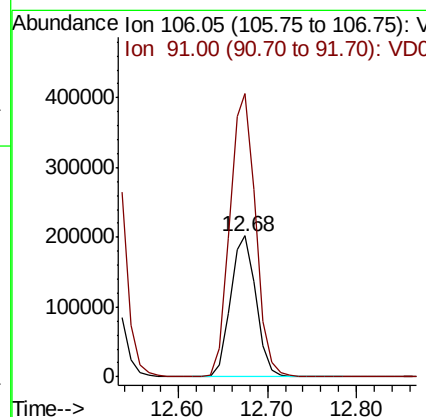
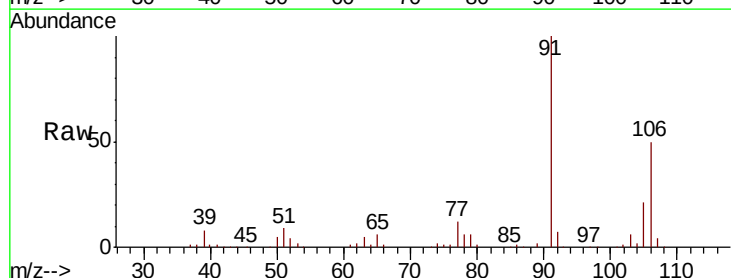
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

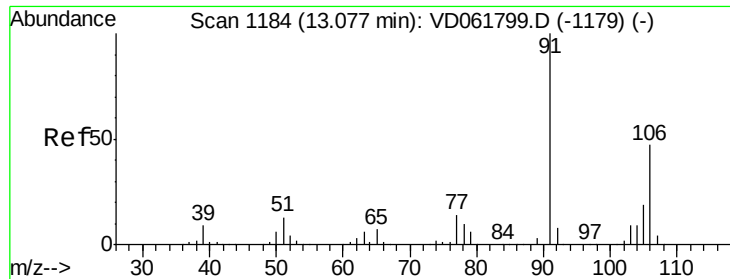
Tgt Ion: 91 Resp: 581184
Ion Ratio Lower Upper
91 100
106 31.3 24.7 37.1



#68
m/p-Xylenes
Concen: 40.175 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.02 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Tgt Ion: 106 Resp: 407988
Ion Ratio Lower Upper
106 100
91 201.0 164.0 246.0

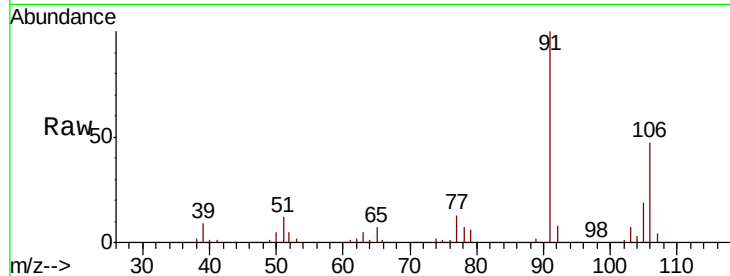




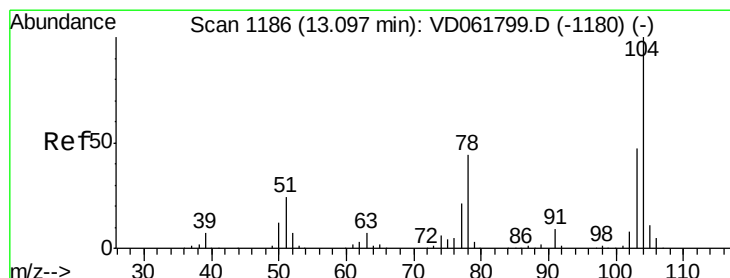
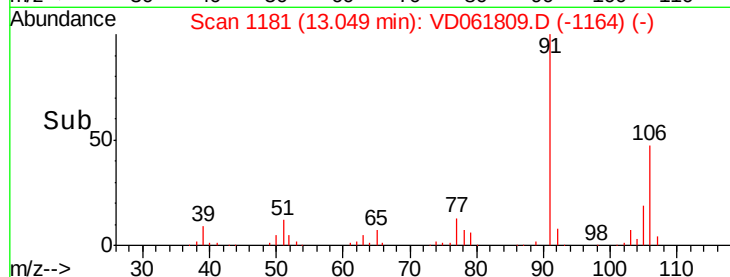
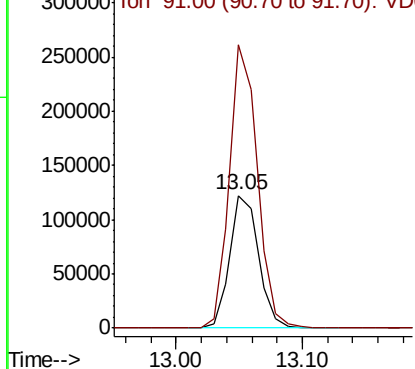
#69
o-Xylene
Concen: 20.180 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.03 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

Tgt Ion:106 Resp: 192628
Ion Ratio Lower Upper
106 100
91 213.2 106.7 319.9

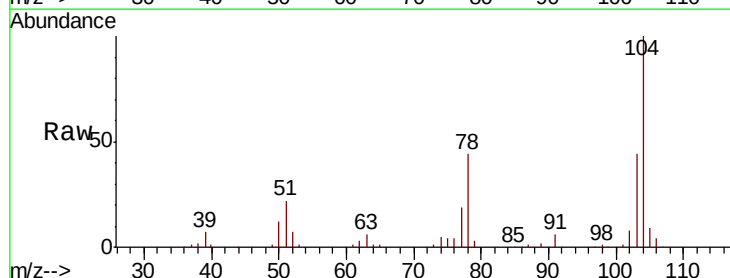


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

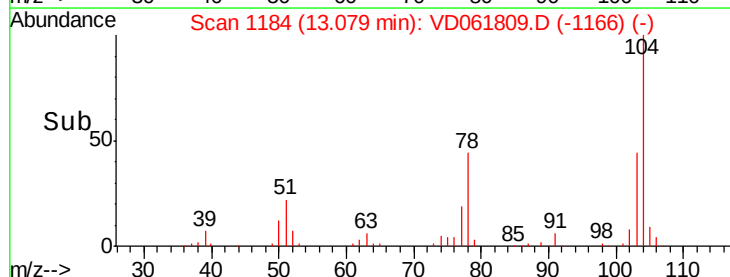
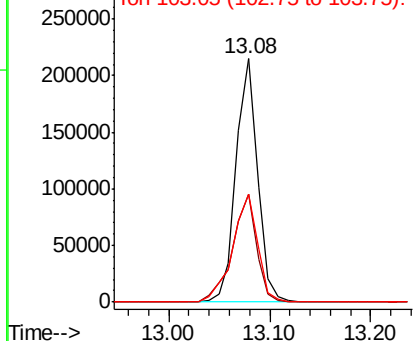


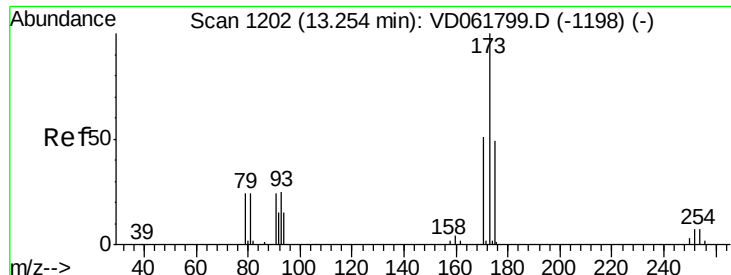
#70
Styrene
Concen: 19.397 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Tgt Ion:104 Resp: 318613
Ion Ratio Lower Upper
104 100
78 44.1 35.4 53.2
103 44.1 37.5 56.3



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

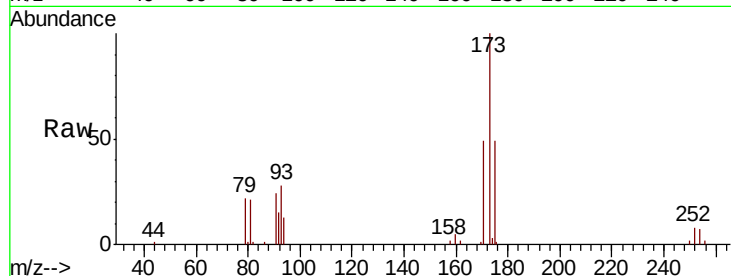




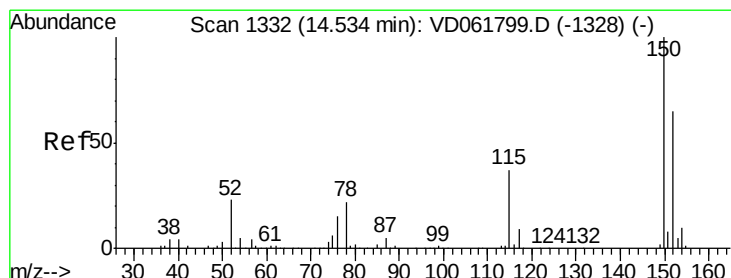
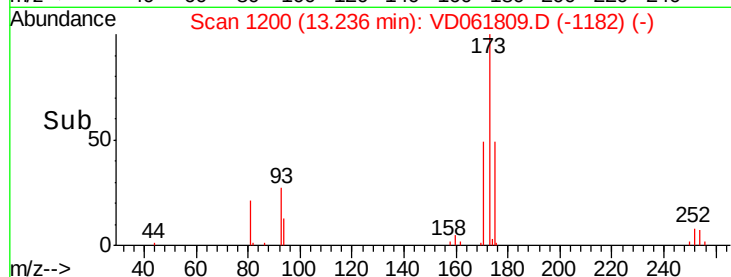
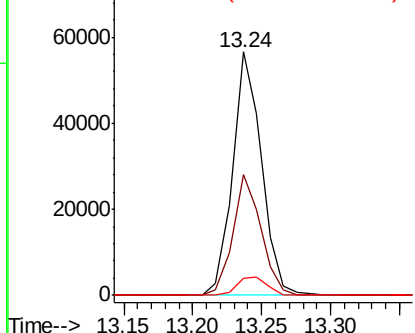
#71
Bromoform
Concen: 19.576 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.02 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

Tgt Ion:173 Resp: 82209
Ion Ratio Lower Upper
173 100
175 49.4 24.4 73.4
254 6.8 5.4 8.2

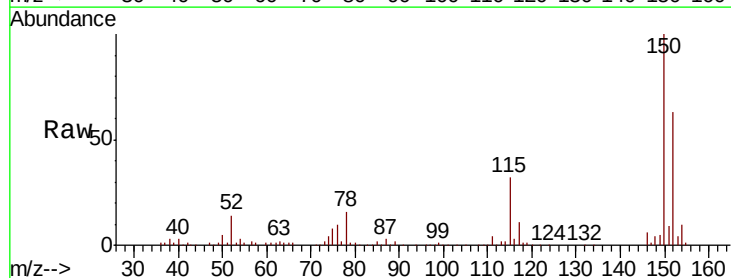


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

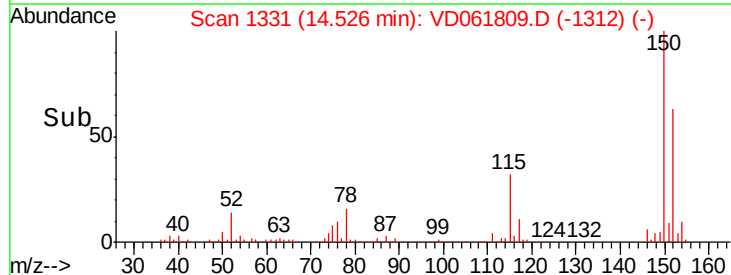
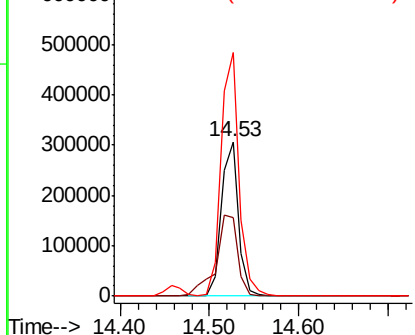


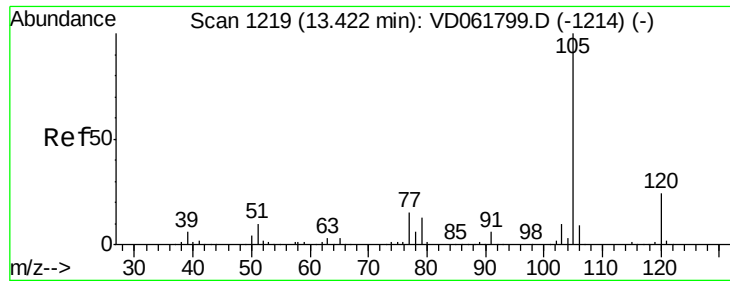
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Tgt Ion:152 Resp: 414022
Ion Ratio Lower Upper
152 100
115 51.0 30.9 92.7
150 157.7 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: 20.194 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

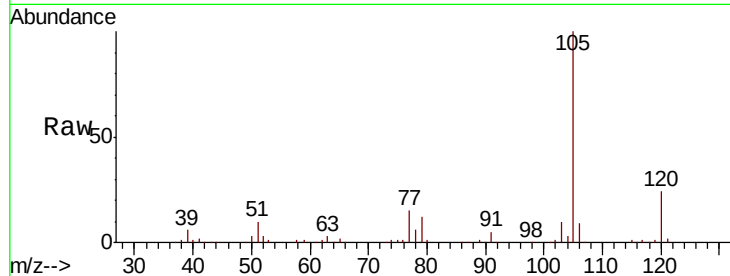
VD0416SBS01

Tgt Ion: 105 Resp: 542224

Ion Ratio Lower Upper

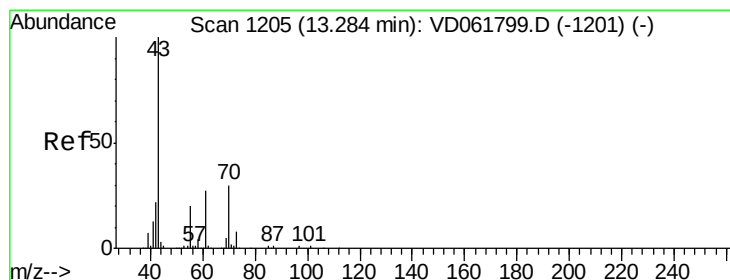
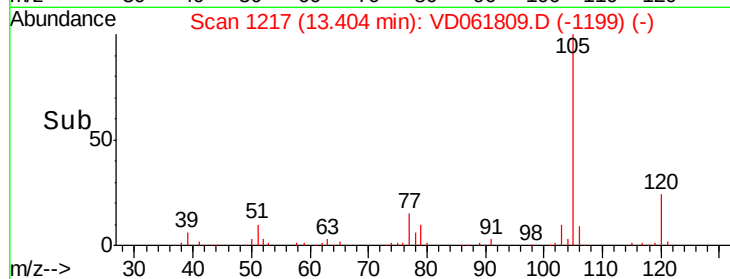
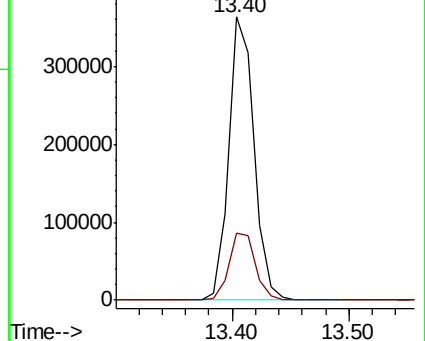
105 100

120 23.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.137 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Tgt Ion: 43 Resp: 138173

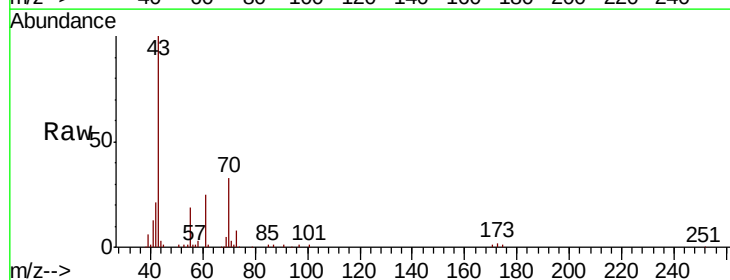
Ion Ratio Lower Upper

43 100

70 33.0 24.2 36.4

55 19.5 16.0 24.0

61 25.1 21.6 32.4

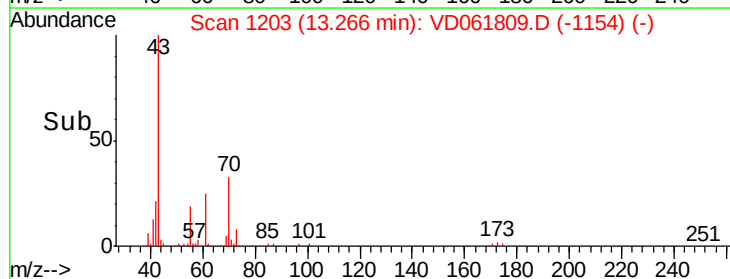
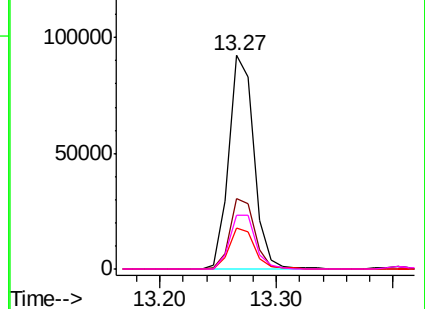


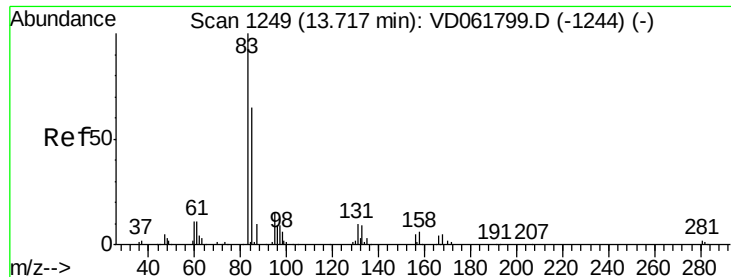
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.186 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

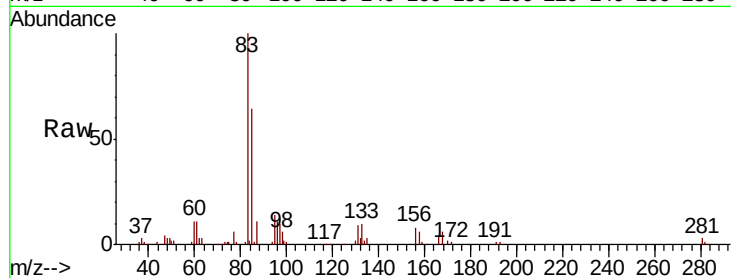
Tgt Ion: 83 Resp: 107136

Ion Ratio Lower Upper

83 100

131 8.7 5.0 14.9

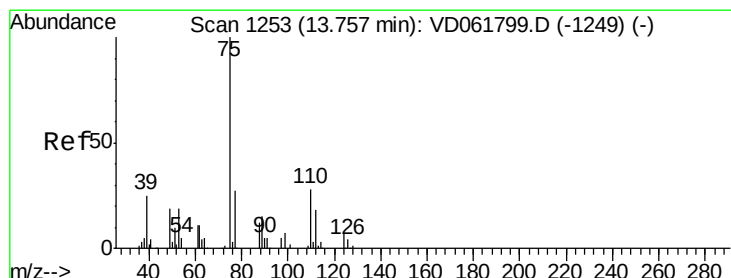
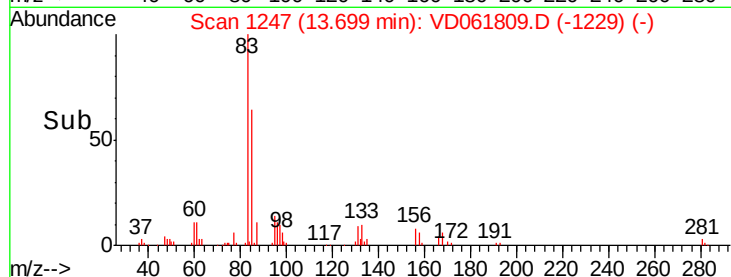
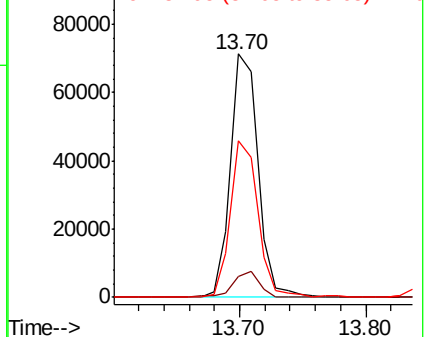
85 64.4 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.331 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VD061809.D

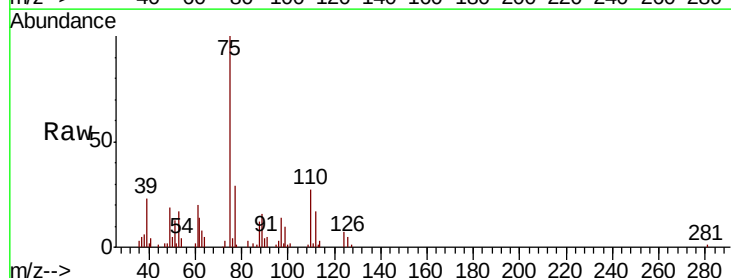
Acq: 16 Apr 2019 14:15

Tgt Ion: 75 Resp: 99667

Ion Ratio Lower Upper

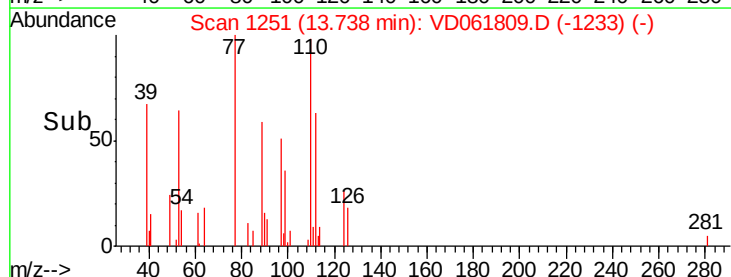
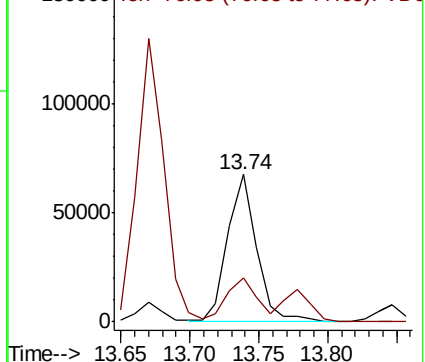
75 100

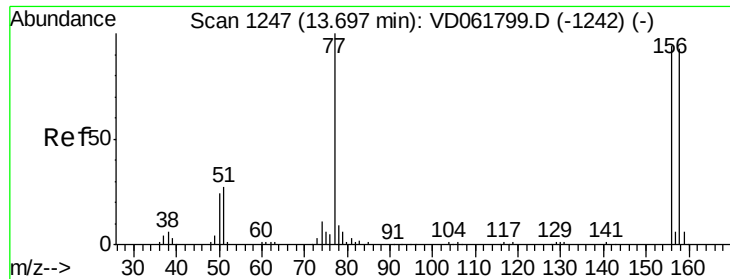
77 29.5 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.375 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.03 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

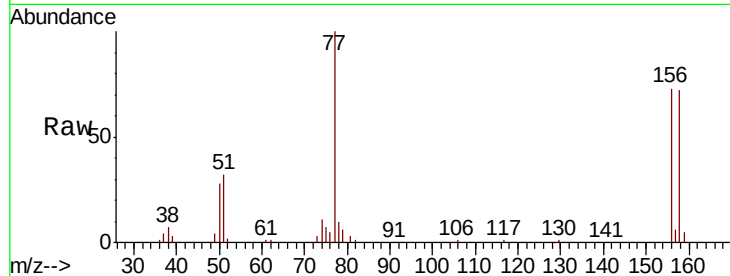
Tgt Ion:156 Resp: 147777

Ion Ratio Lower Upper

156 100

77 136.6 53.1 159.4

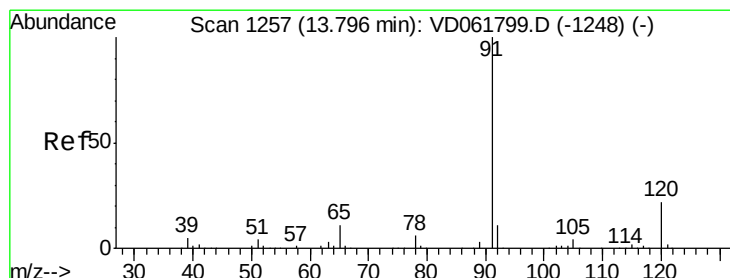
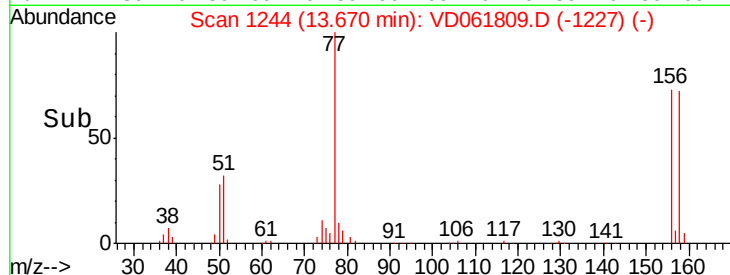
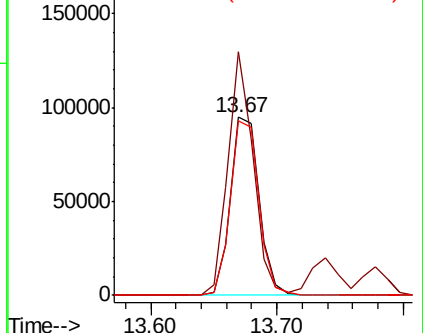
158 98.2 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.922 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.02 min

Lab File: VD061809.D

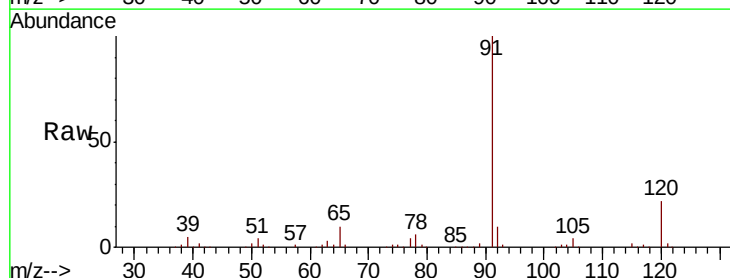
Acq: 16 Apr 2019 14:15

Tgt Ion: 91 Resp: 587010

Ion Ratio Lower Upper

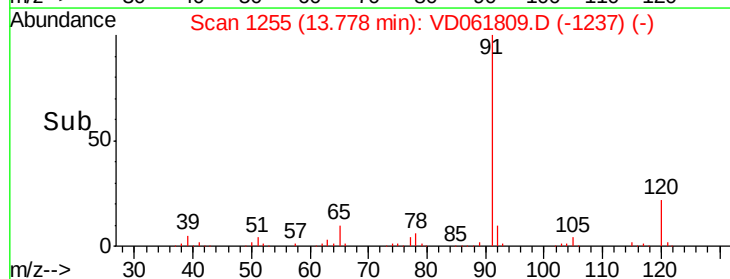
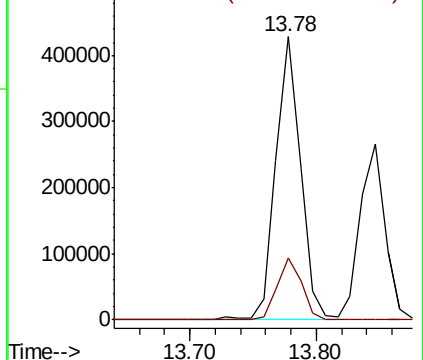
91 100

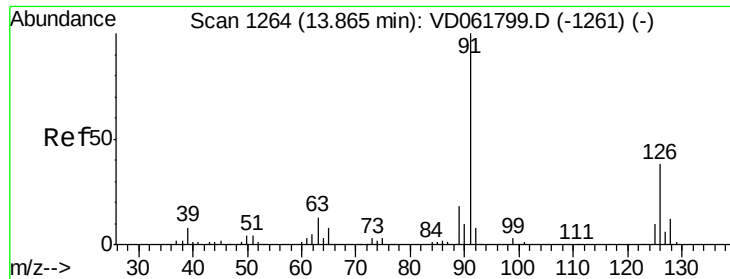
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

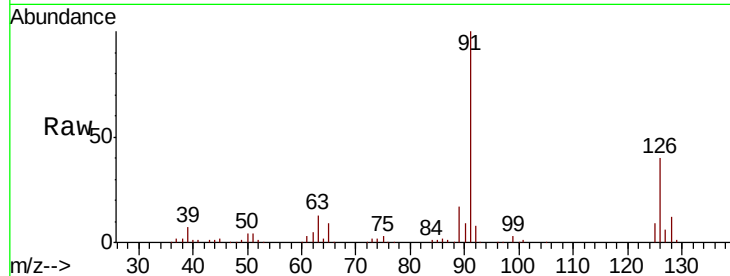




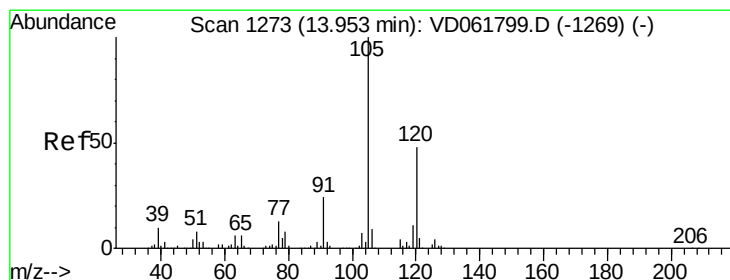
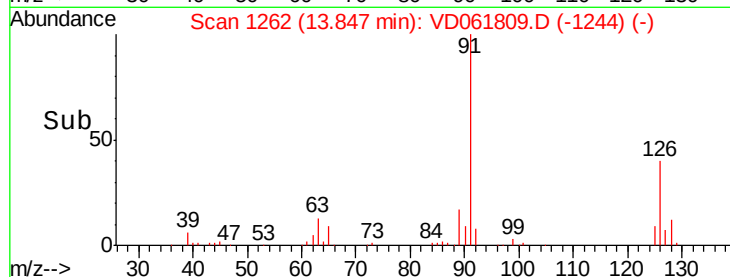
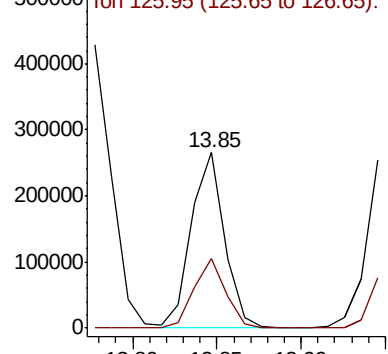
#79
 2-Chlorotoluene
 Concen: 20.083 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

Tgt Ion: 91 Resp: 363945
 Ion Ratio Lower Upper
 91 100
 126 39.7 18.6 55.8

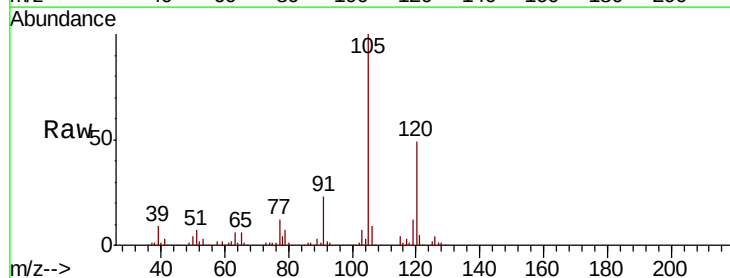


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

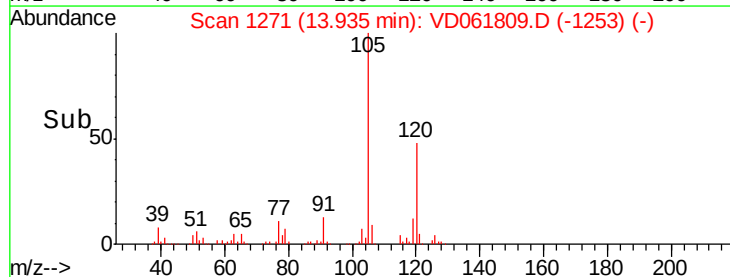
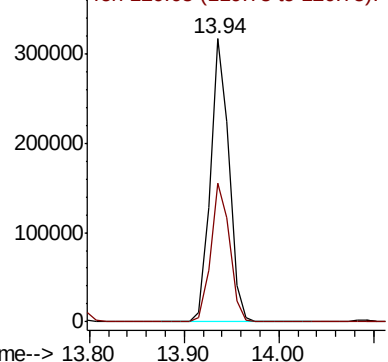


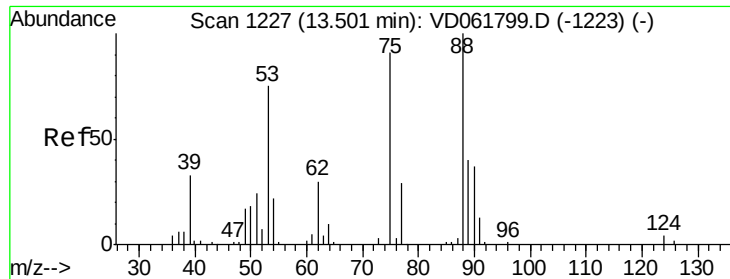
#80
 1,3,5-Trimethylbenzene
 Concen: 20.224 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.02 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion: 105 Resp: 430864
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

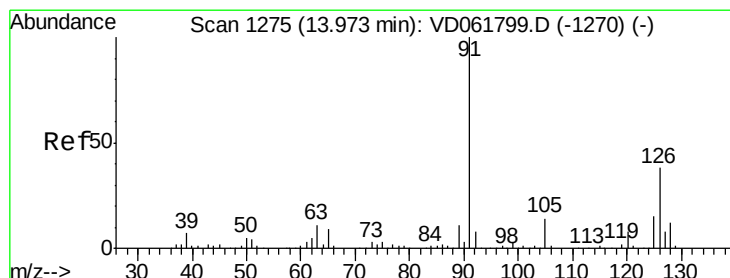
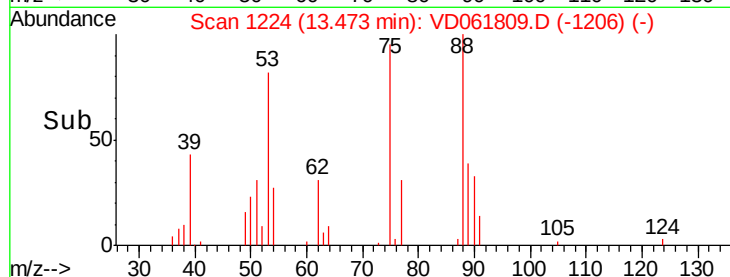
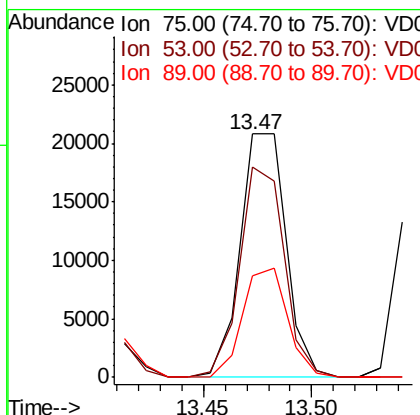
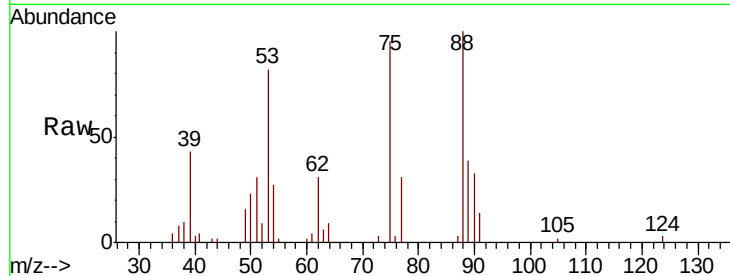




#81
trans-1,4-Dichloro-2-butene
Concen: 19.596 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

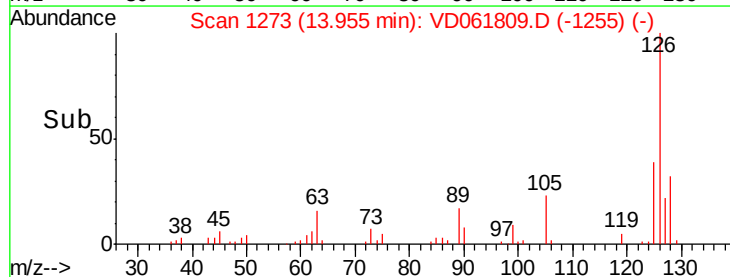
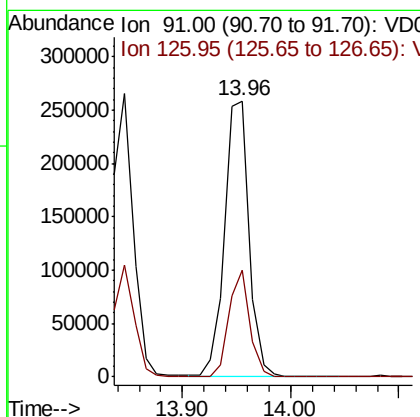
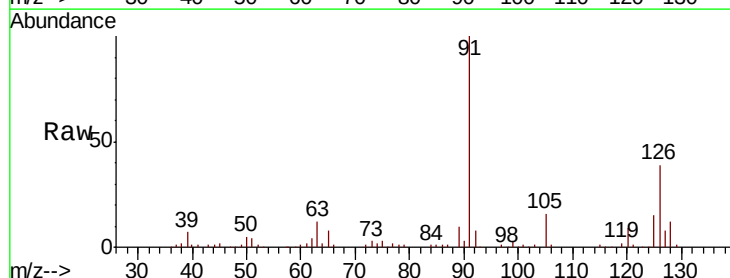
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

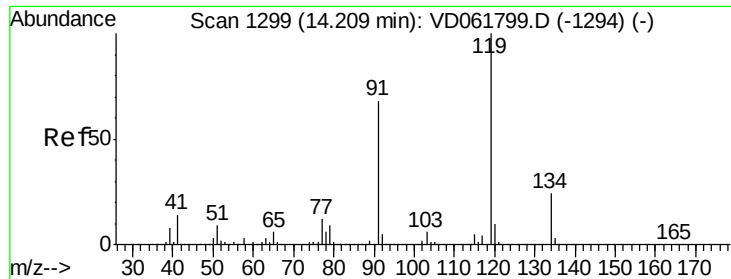
Tgt Ion: 75 Resp: 30720
Ion Ratio Lower Upper
75 100
53 86.4 65.8 98.8
89 41.6 35.0 52.6



#82
4-Chlorotoluene
Concen: 19.601 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Tgt Ion: 91 Resp: 406581
Ion Ratio Lower Upper
91 100
126 38.5 19.1 57.5

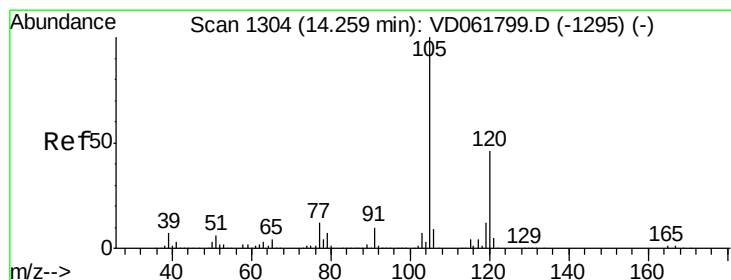
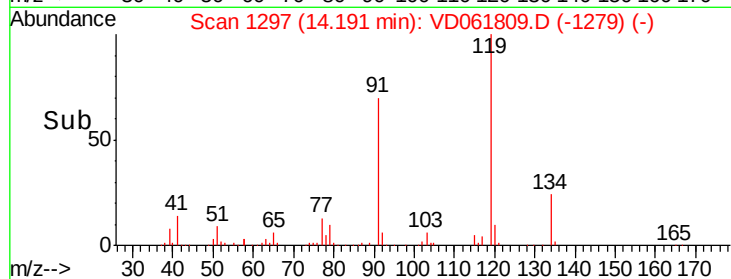
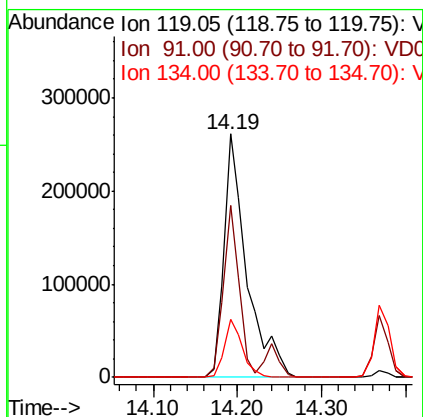
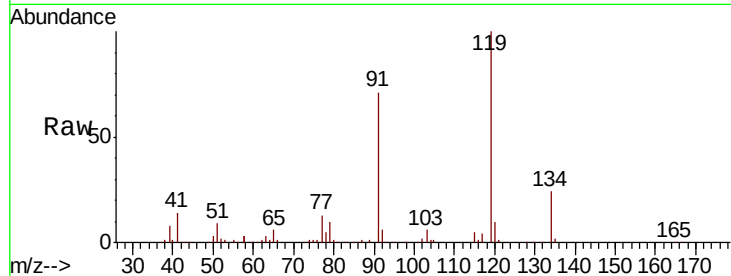




#83
 tert-Butylbenzene
 Concen: 19.708 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

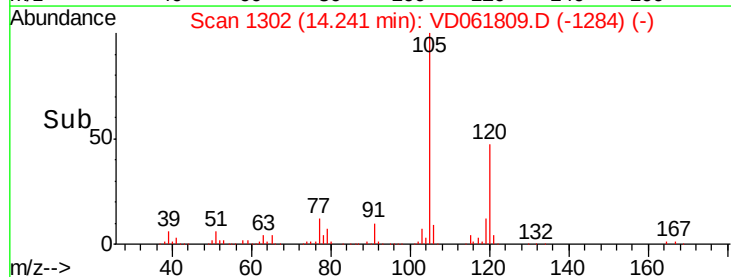
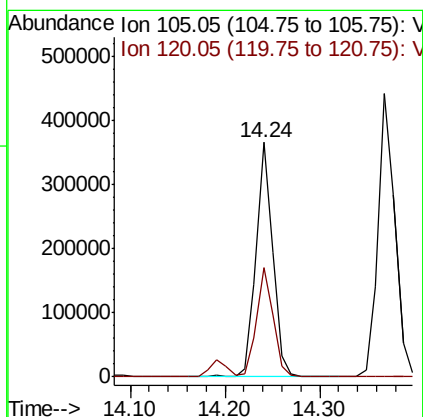
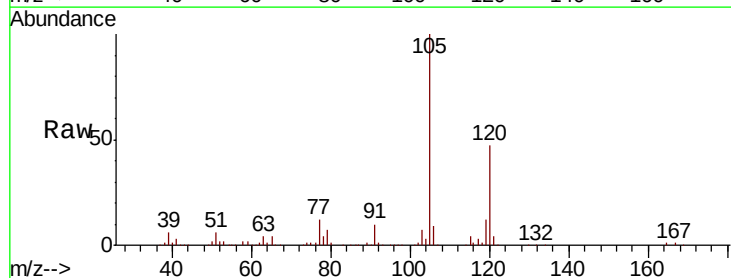
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

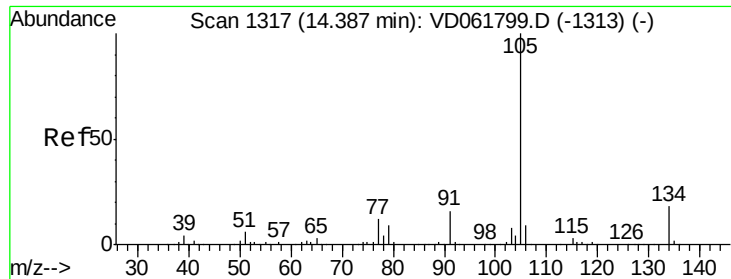
Tgt Ion:119 Resp: 493024
 Ion Ratio Lower Upper
 119 100
 91 70.6 34.2 102.6
 134 23.7 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.077 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.02 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion:105 Resp: 451376
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.1 69.2

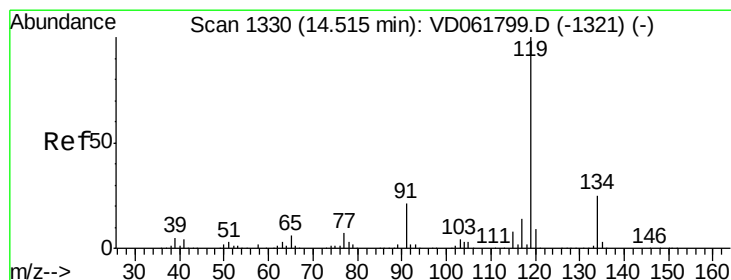
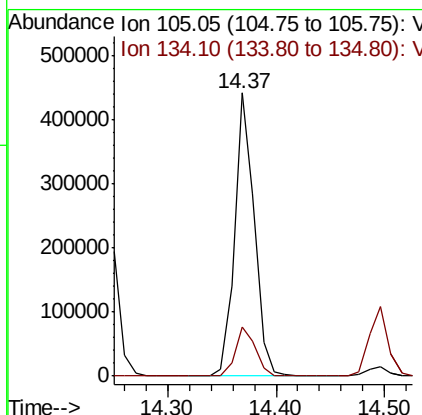
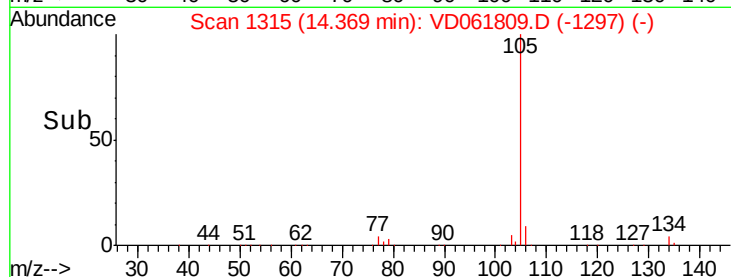
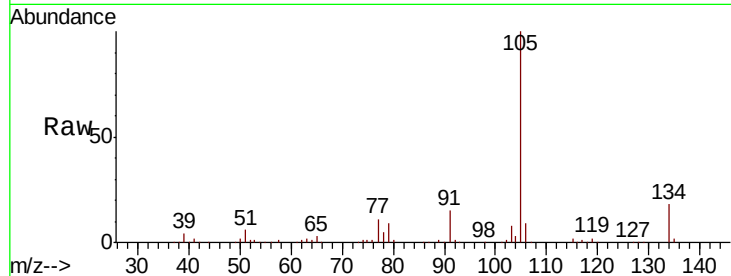




#85
 sec-Butylbenzene
 Concen: 21.490 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.02 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

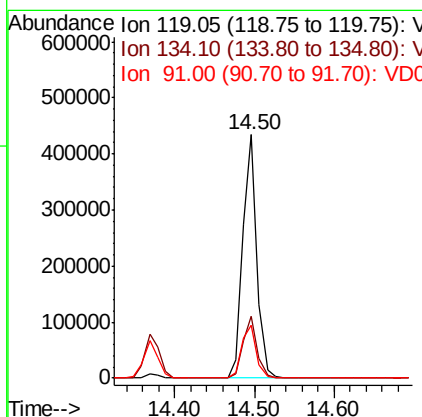
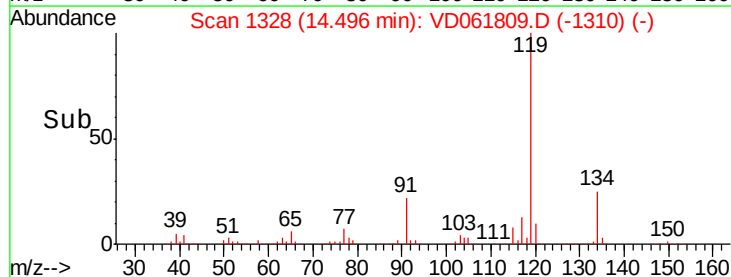
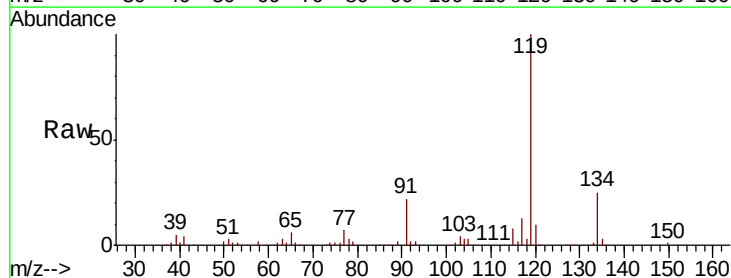
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

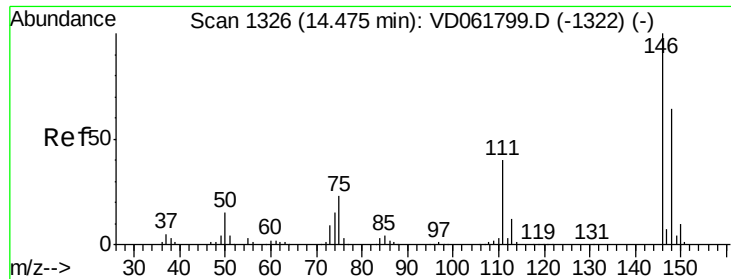
Tgt Ion:105 Resp: 555760
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 21.964 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion:119 Resp: 531444
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.8 38.3
 91 21.7 10.7 32.1

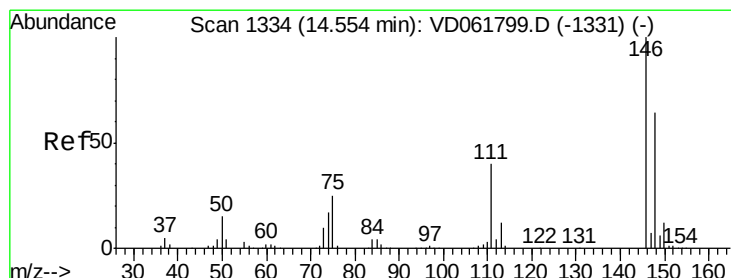
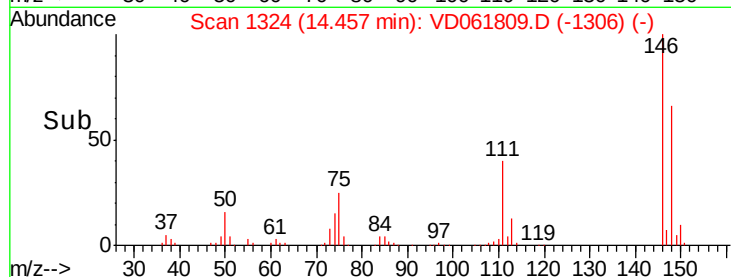
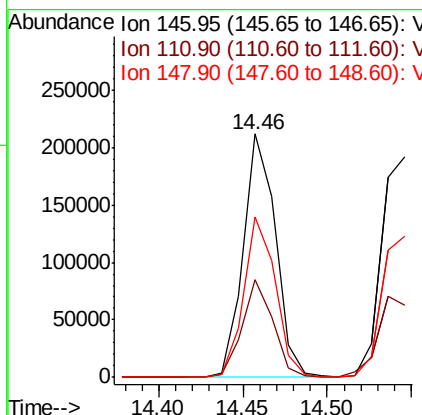
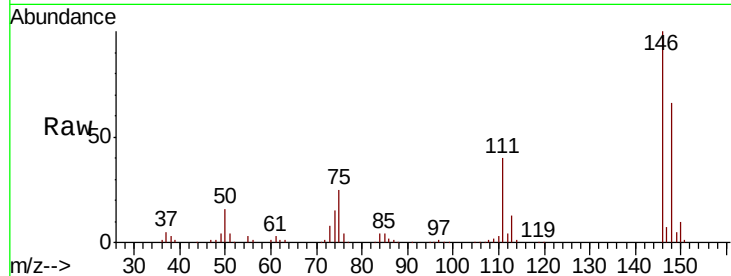




#87
 1,3-Dichlorobenzene
 Concen: 21.207 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.02 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

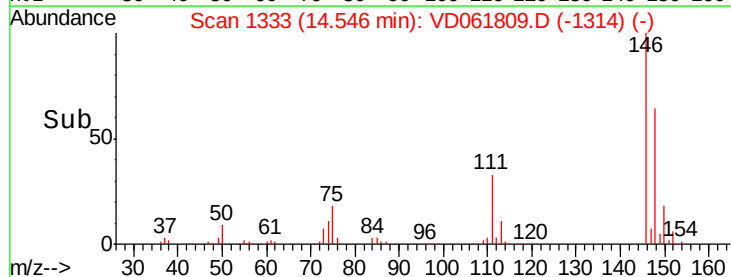
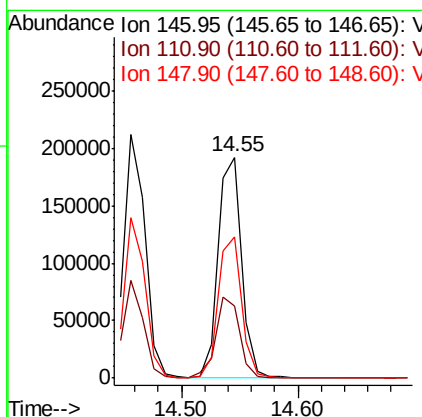
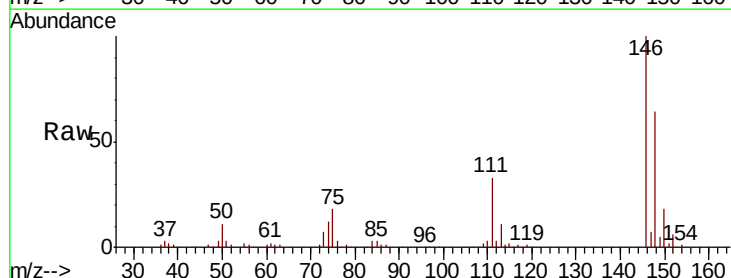
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

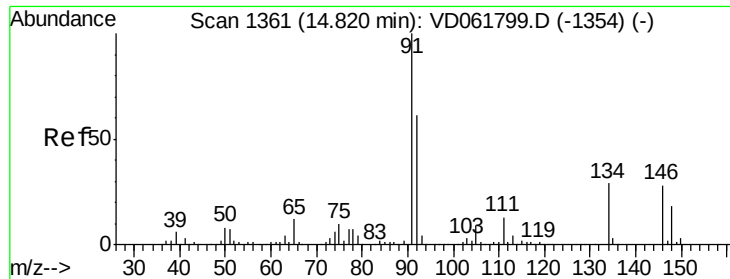
Tgt Ion:146 Resp: 282380
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 60.0
 148 65.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.428 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion:146 Resp: 268885
 Ion Ratio Lower Upper
 146 100
 111 32.9 20.2 60.5
 148 63.7 32.0 96.2





#89

n-Butylbenzene

Concen: 20.069 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VD061809.D

Acq: 16 Apr 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

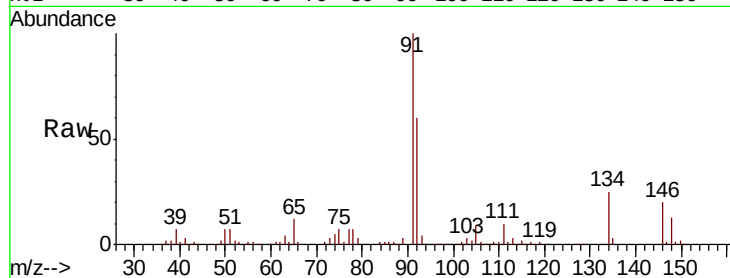
Tgt Ion: 91 Resp: 429833

Ion Ratio Lower Upper

91 100

92 59.6 30.3 91.0

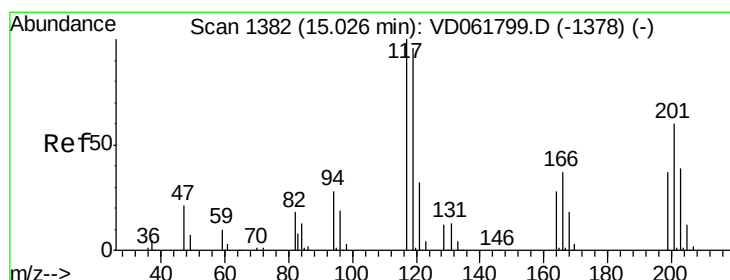
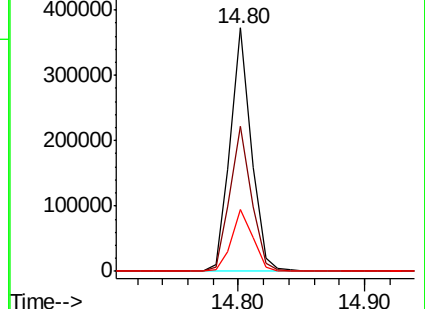
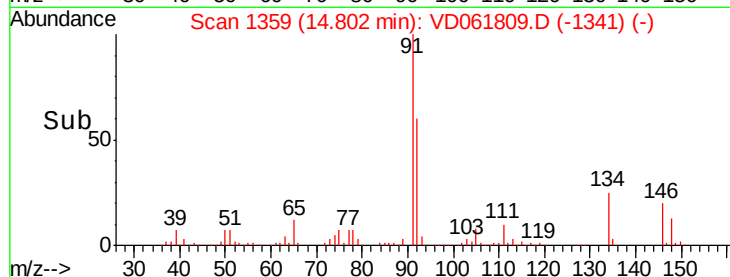
134 25.3 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.216 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.02 min

Lab File: VD061809.D

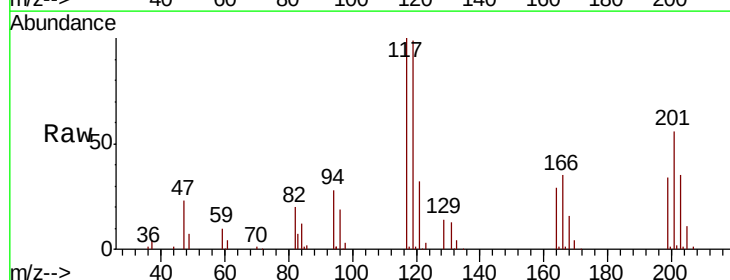
Acq: 16 Apr 2019 14:15

Tgt Ion: 117 Resp: 133326

Ion Ratio Lower Upper

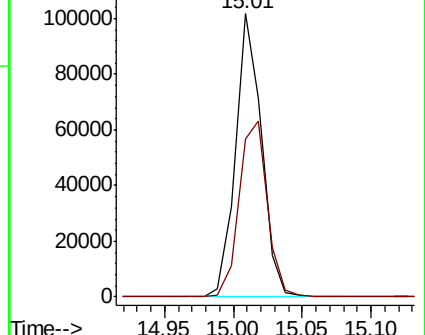
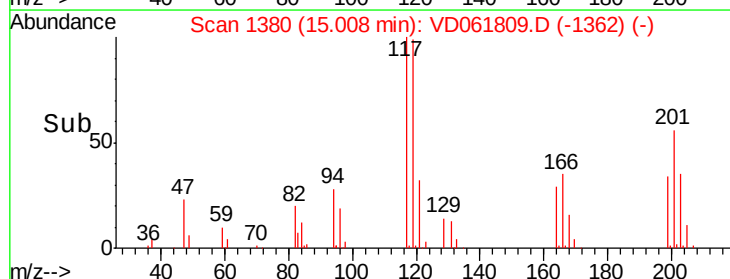
117 100

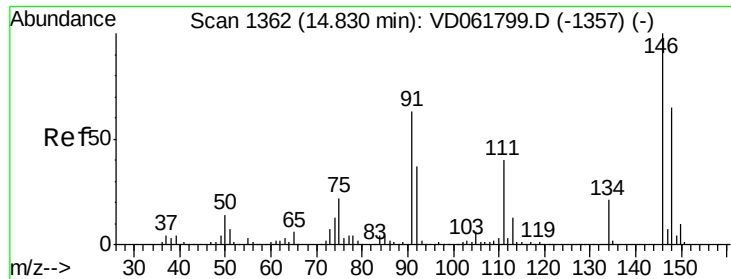
201 55.7 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

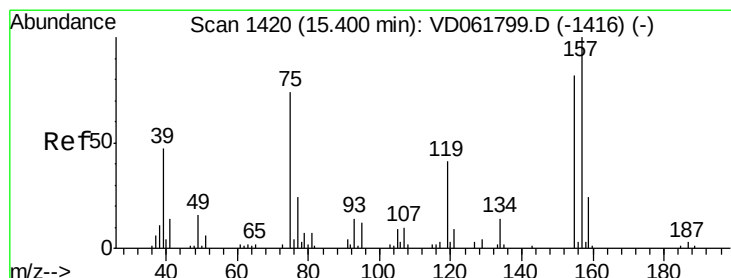
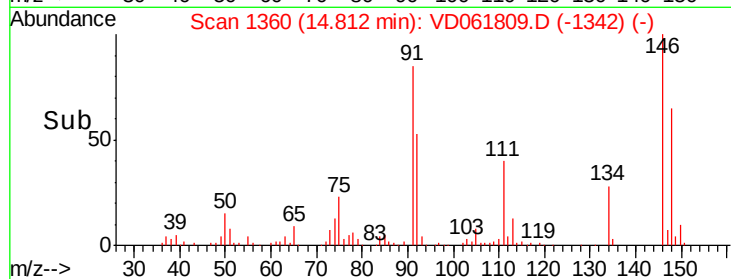
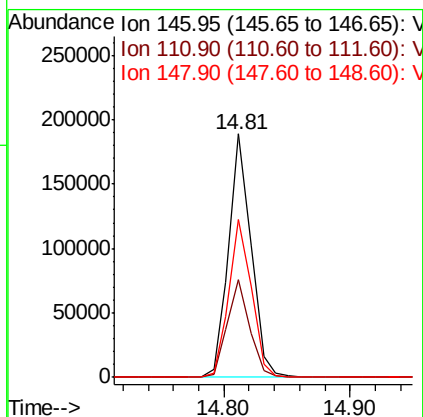
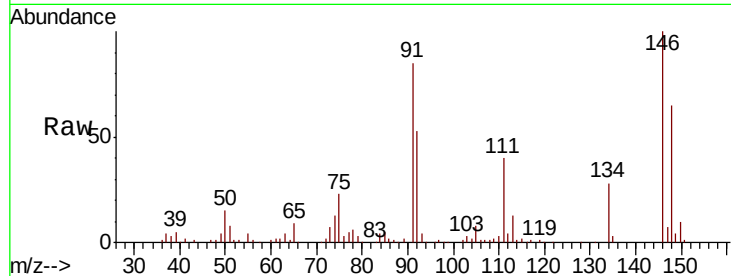




#91
 1,2-Dichlorobenzene
 Concen: 20.785 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

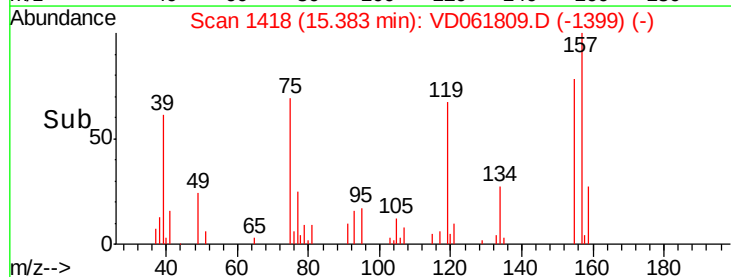
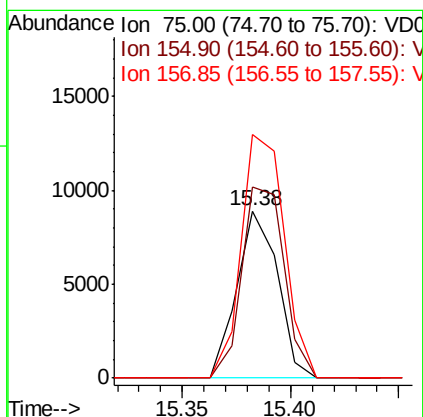
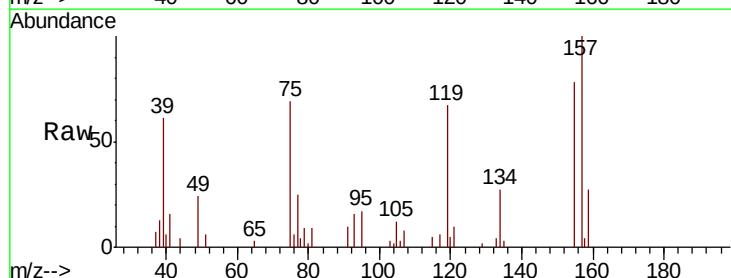
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

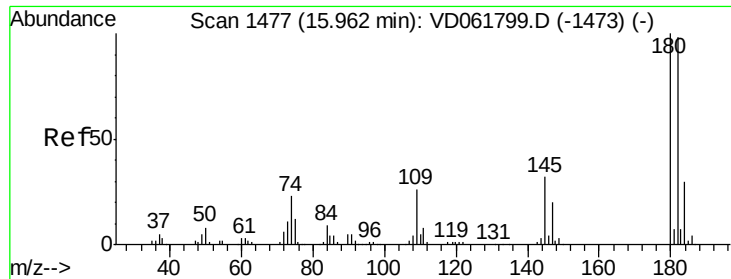
Tgt Ion: 146 Resp: 231828
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 59.9
 148 65.0 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.422 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion: 75 Resp: 11708
 Ion Ratio Lower Upper
 75 100
 155 114.3 55.3 165.8
 157 145.9 67.8 203.2

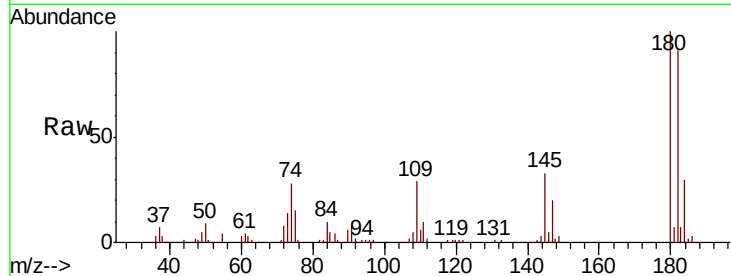




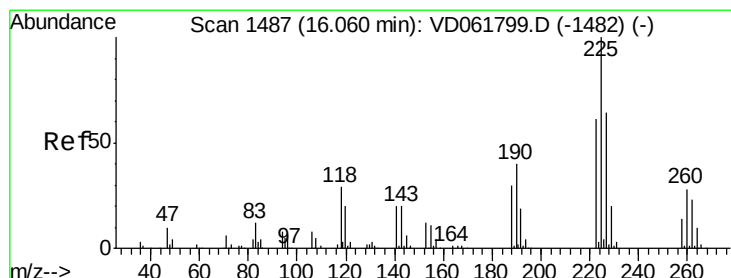
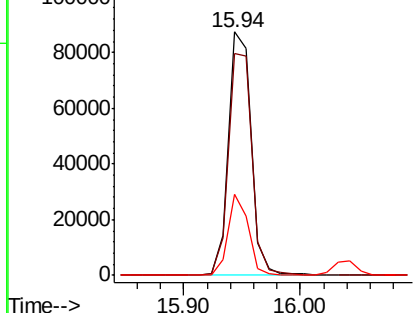
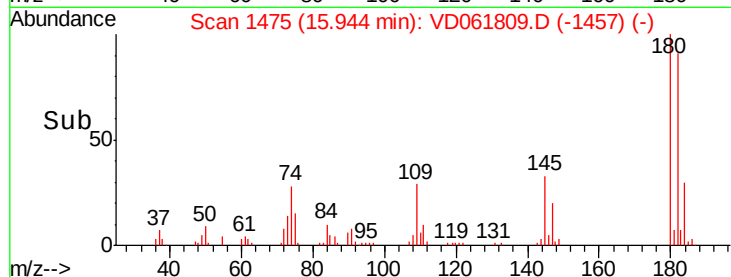
#93
 1,2,4-Trichlorobenzene
 Concen: 19.287 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.02 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

Tgt Ion:180 Resp: 118153
 Ion Ratio Lower Upper
 180 100
 182 91.2 49.3 147.8
 145 33.3 16.2 48.6

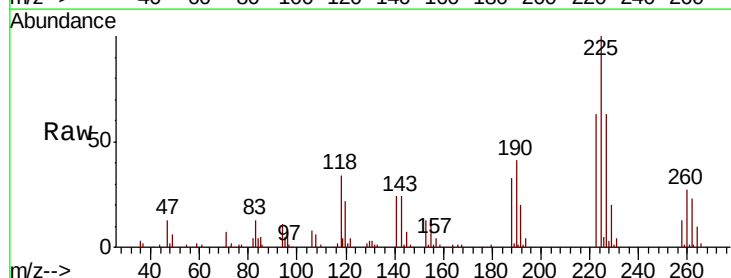


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

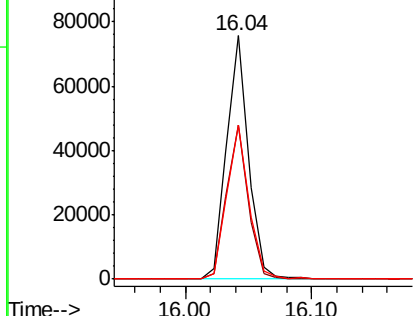
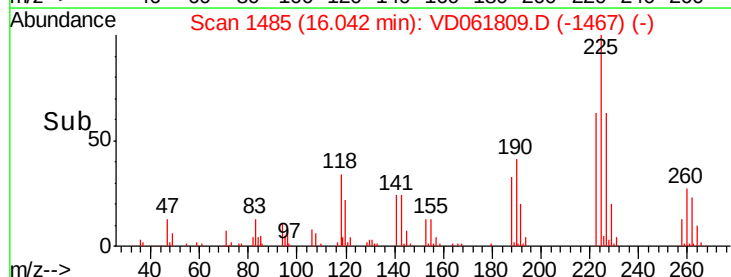


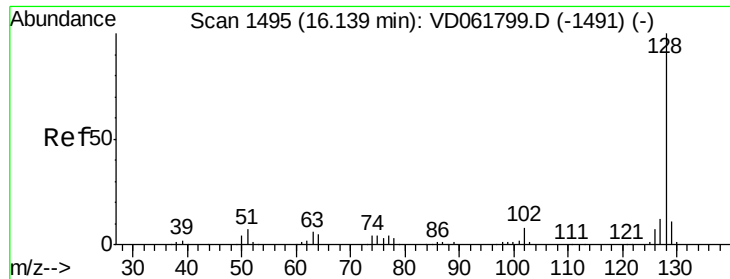
#94
 Hexachlorobutadiene
 Concen: 20.326 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.02 min
 Lab File: VD061809.D
 Acq: 16 Apr 2019 14:15

Tgt Ion:225 Resp: 90237
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.6 92.0
 227 63.3 32.0 96.2



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

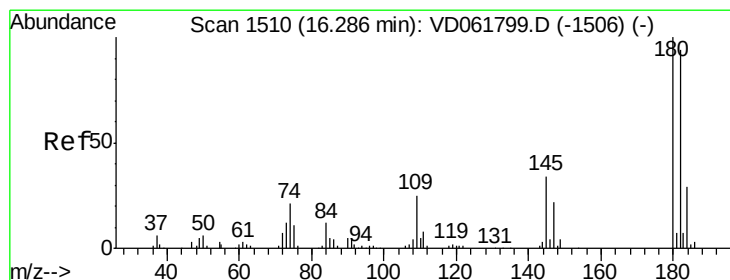
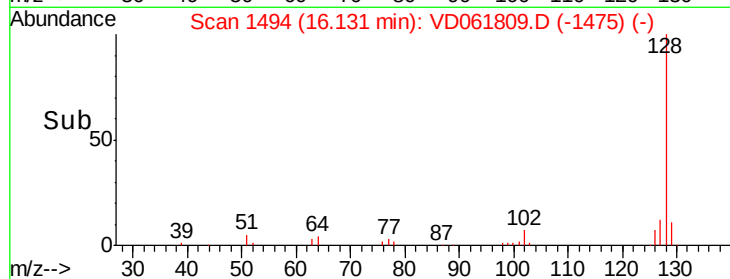
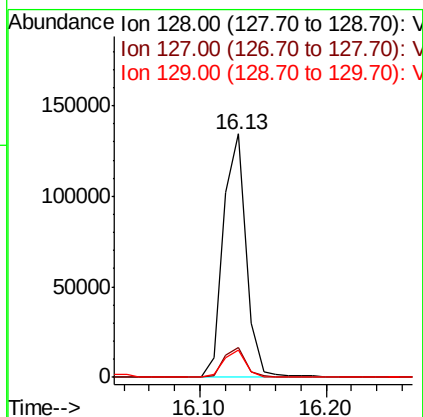
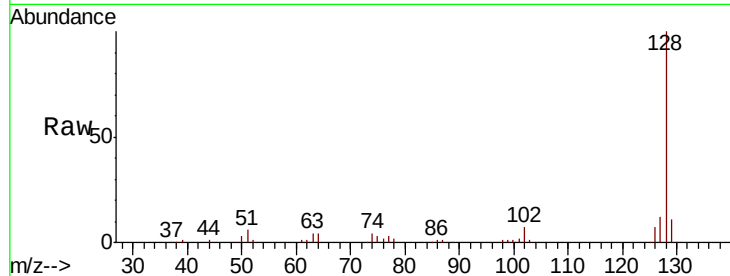




#95
Naphthalene
Concen: 17.928 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.01 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

Tgt Ion:128 Resp: 168333
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.8
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 17.689 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VD061809.D
Acq: 16 Apr 2019 14:15

Tgt Ion:180 Resp: 61753
Ion Ratio Lower Upper
180 100
182 93.1 47.0 141.0
145 29.0 17.0 51.0

