

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061902.D
 Acq On : 19 Apr 2019 9:45
 Operator : VA/AP
 Sample : VD0418SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

Quant Time: Apr 19 15:18:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	603145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	905891	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	754981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	371574	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	241661	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	6.94	113	349579	51.08	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.42	98	748277	46.14	ug/l	0.01
Spiked Amount	50.000		Recovery	=	92.28%	
62) 4-Bromofluorobenzene	13.56	95	319796	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	103307	17.549	ug/l	97
3) Chloromethane	1.76	50	88246	18.809	ug/l	92
4) Vinyl Chloride	1.86	62	90303	19.394	ug/l	98
5) Bromomethane	2.15	94	18425	15.112	ug/l	88
6) Chloroethane	2.26	64	24077	15.158	ug/l	96
7) Trichlorofluoromethane	2.53	101	131914	17.468	ug/l	94
8) Diethyl Ether	2.88	74	39243	19.829	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	124702	18.520	ug/l	99
10) Methyl Iodide	3.31	142	162569	17.575	ug/l	97
11) Tert butyl alcohol	4.08	59	35160	117.947	ug/l #	94
12) 1,1-Dichloroethene	3.13	96	105293	18.601	ug/l	94
13) Acrolein	3.04	56	26794	92.845	ug/l	100
14) Allyl chloride	3.62	41	158755	20.575	ug/l	96
15) Acrylonitrile	4.20	53	96781	103.415	ug/l	92
16) Acetone	3.23	43	134774	108.178	ug/l	99
17) Carbon Disulfide	3.38	76	328318	17.951	ug/l	99
18) Methyl Acetate	3.65	43	52695	21.103	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	207678	19.659	ug/l	93
20) Methylene Chloride	3.83	84	143290	20.425	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	120761	19.412	ug/l	97
22) Diisopropyl ether	5.13	45	339528	20.586	ug/l	97
23) Vinyl Acetate	5.07	43	910951	103.321	ug/l	99
24) 1,1-Dichloroethane	4.99	63	202038	20.204	ug/l	99
25) 2-Butanone	6.08	43	156664	110.454	ug/l	98
26) 2,2-Dichloropropane	6.03	77	186522	21.580	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	139161	20.635	ug/l	96
28) Bromochloromethane	6.44	49	85040	22.389	ug/l	81
29) Tetrahydrofuran	6.46	42	70845	102.539	ug/l	99
30) Chloroform	6.67	83	233787	20.961	ug/l	100
31) Cyclohexane	6.97	56	147122	19.219	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	205695	20.804	ug/l	97
36) 1,1-Dichloropropene	7.15	75	172270	23.272	ug/l	97
37) Ethyl Acetate	6.19	43	76148	24.035	ug/l	95
38) Carbon Tetrachloride	7.12	117	205920	22.030	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
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 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0418SBS02

Quant Time: Apr 19 15:18:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	162950	21.198	ug/l	97
40) Benzene	7.47	78	396492	22.310	ug/l	97
41) Methacrylonitrile	6.44	41	86068	22.984	ug/l #	88
42) 1,2-Dichloroethane	7.59	62	138830	22.430	ug/l	97
43) Isopropyl Acetate	9.25	43	99371	22.288	ug/l	97
44) Trichloroethene	8.55	130	145309	21.239	ug/l	100
45) 1,2-Dichloropropane	8.96	63	99016	21.390	ug/l	94
46) Dibromomethane	9.07	93	70629	21.413	ug/l	95
47) Bromodichloromethane	9.39	83	174193	22.891	ug/l	98
48) Methyl methacrylate	9.13	41	54656	20.855	ug/l	93
49) 1,4-Dioxane	9.09	88	12545	437.945	ug/l	98
51) 4-Methyl-2-Pentanone	10.31	43	317815	116.564	ug/l	96
52) Toluene	10.52	92	252350	22.158	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	141536	20.642	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	181801	22.587	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	86286	22.484	ug/l	98
56) Ethyl methacrylate	11.05	69	95128	22.585	ug/l	99
57) 1,3-Dichloropropane	11.42	76	125370	21.730	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	268957	134.252	ug/l	95
59) 2-Hexanone	11.53	43	247414	122.177	ug/l	99
60) Dibromochloromethane	11.69	129	145754	23.212	ug/l	98
61) 1,2-Dibromoethane	11.81	107	106119	22.489	ug/l	96
64) Tetrachloroethene	11.27	164	119501	21.106	ug/l	96
65) Chlorobenzene	12.41	112	301068	21.413	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	128846	21.867	ug/l	97
67) Ethyl Benzene	12.53	91	487709	21.660	ug/l	97
68) m/p-Xylenes	12.68	106	338626	40.036	ug/l	99
69) o-Xylene	13.06	106	189208	23.800	ug/l	97
70) Styrene	13.08	104	324249	23.702	ug/l	98
71) Bromoform	13.24	173	78186	22.355	ug/l	98
73) Isopropylbenzene	13.40	105	483953	20.083	ug/l	99
74) N-amyl acetate	13.28	43	137500	21.219	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	101900	21.393	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	99334	20.356	ug/l	96
77) Bromobenzene	13.68	156	137500	20.087	ug/l	98
78) n-propylbenzene	13.78	91	601616	21.609	ug/l	97
79) 2-Chlorotoluene	13.85	91	331474	20.381	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	396340	20.728	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	28473	20.128	ug/l	93
82) 4-Chlorotoluene	13.96	91	396365	21.291	ug/l	96
83) tert-Butylbenzene	14.19	119	481081	21.428	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	400108	20.817	ug/l	97
85) sec-Butylbenzene	14.37	105	468511	20.186	ug/l	96
86) p-Isopropyltoluene	14.50	119	474055	21.830	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	235244	19.685	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	235439	19.931	ug/l	97
89) n-Butylbenzene	14.80	91	402155	20.921	ug/l	96
90) Hexachloroethane	15.01	117	119446	20.181	ug/l	88
91) 1,2-Dichlorobenzene	14.81	146	218687	21.847	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14044	24.160	ug/l	79

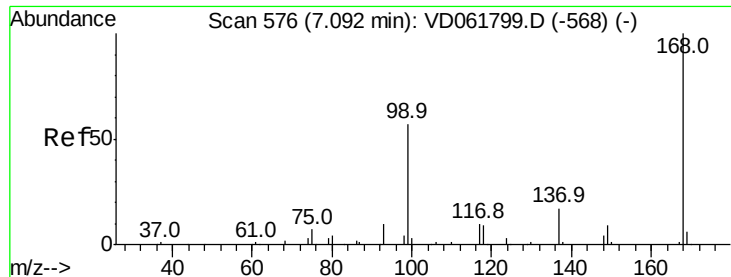
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041819\
Data File : VD061902.D
Acq On : 19 Apr 2019 9:45
Operator : VA/AP
Sample : VD0418SBSD02
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBSD02

Quant Time: Apr 19 15:18:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	127300	23.155	ug/l	96
94) Hexachlorobutadiene	16.04	225	78072	19.595	ug/l	97
95) Naphthalene	16.13	128	189992	22.546	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	73884	23.582	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

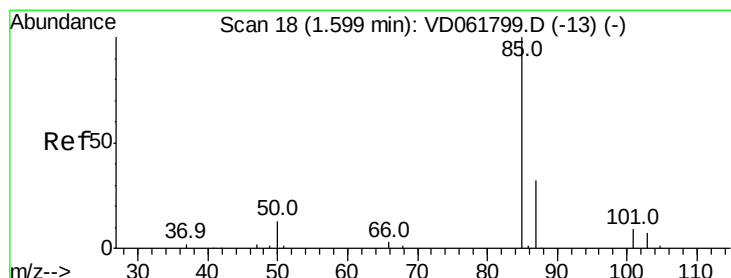
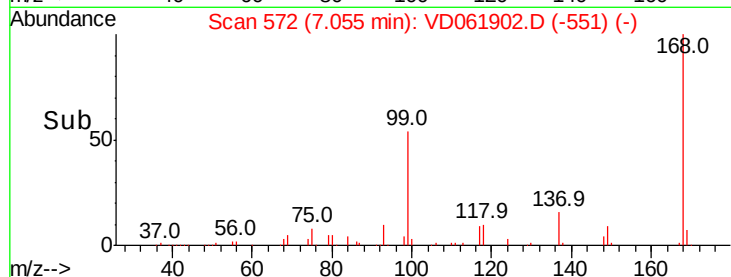
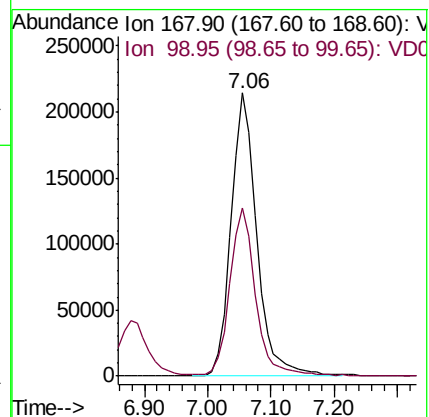
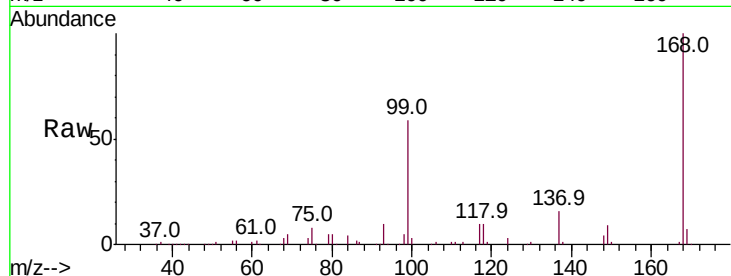
VD0418SBS02

Tot Ion:168 Resp: 603145

Ion Ratio Lower Upper

168 100

99 59.3 46.5 69.7



#2

Dichlorodifluoromethane

Concen: 17.549 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061902.D

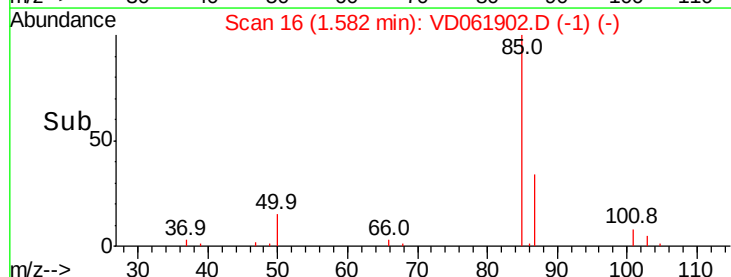
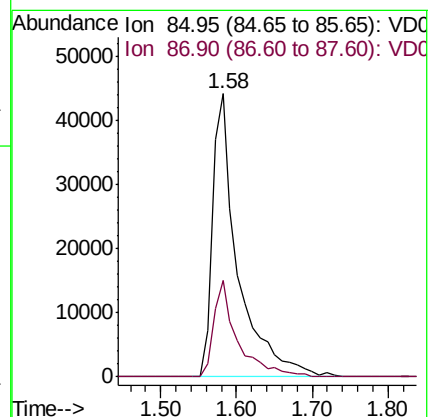
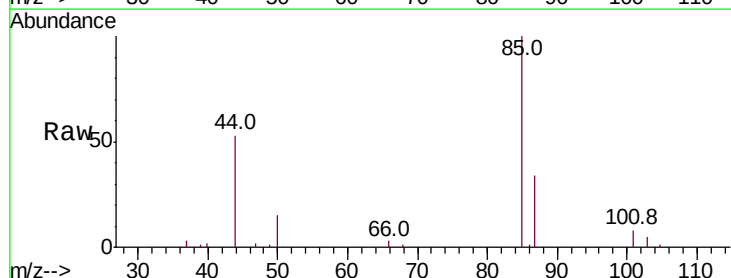
Acq: 19 Apr 2019 9:45

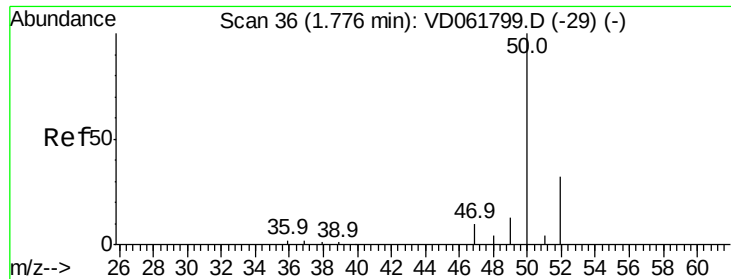
Tgt Ion: 85 Resp: 103307

Ion Ratio Lower Upper

85 100

87 34.1 16.2 48.6





#3

Chloromethane

Concen: 18.809 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

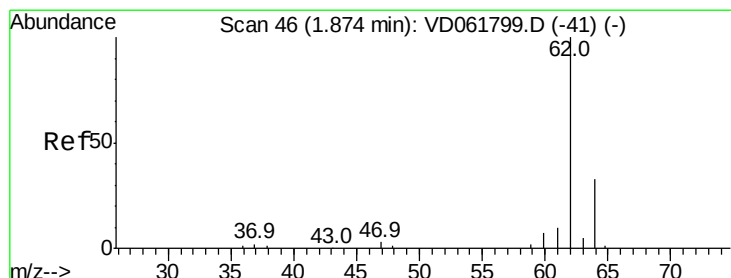
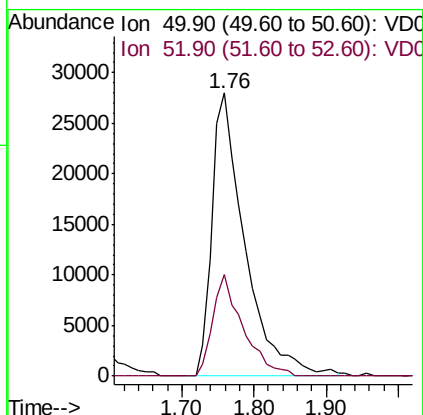
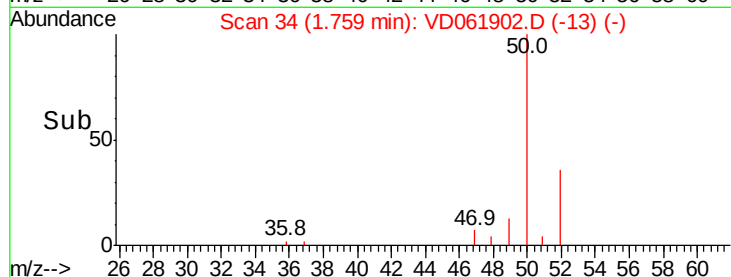
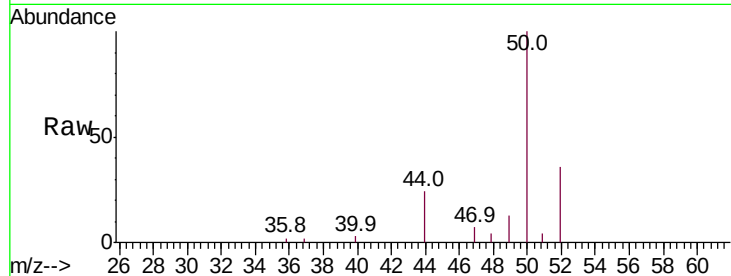
VD0418SBS02

Tot Ion: 50 Resp: 88246

Ion Ratio Lower Upper

50 100

52 36.0 25.2 37.8



#4

Vinyl Chloride

Concen: 19.394 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061902.D

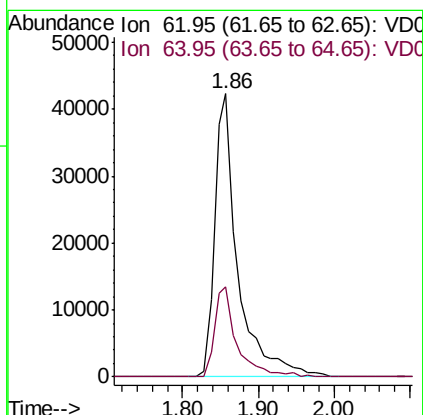
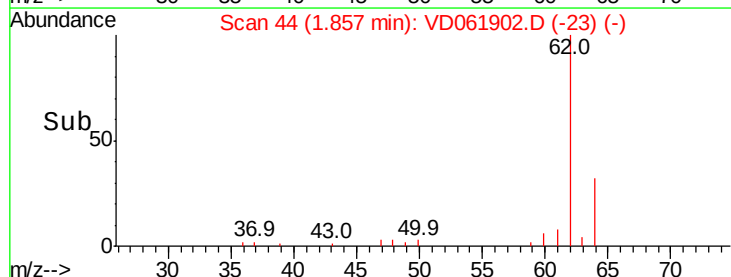
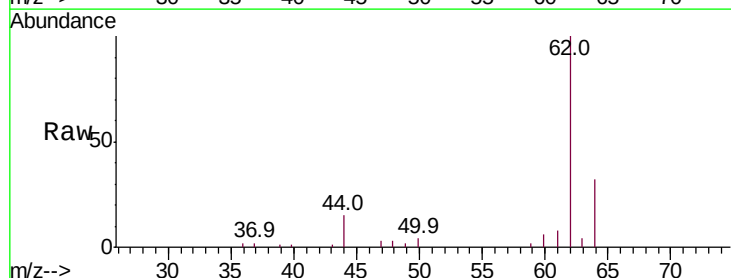
Acq: 19 Apr 2019 9:45

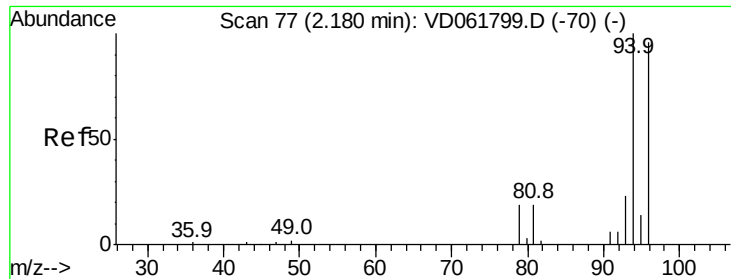
Tgt Ion: 62 Resp: 90303

Ion Ratio Lower Upper

62 100

64 31.9 26.5 39.7

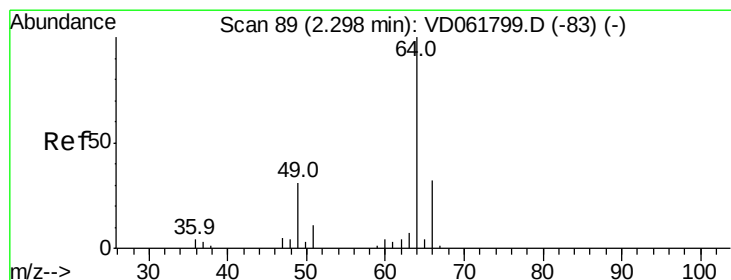
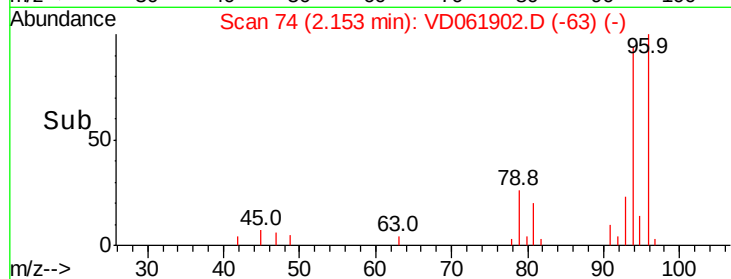
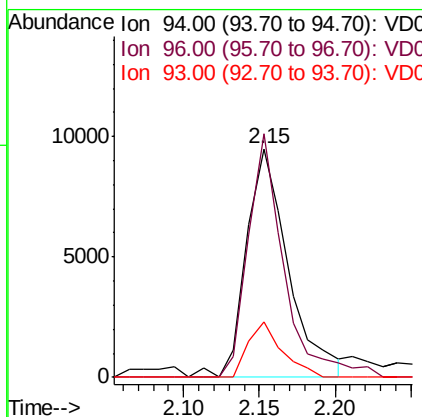
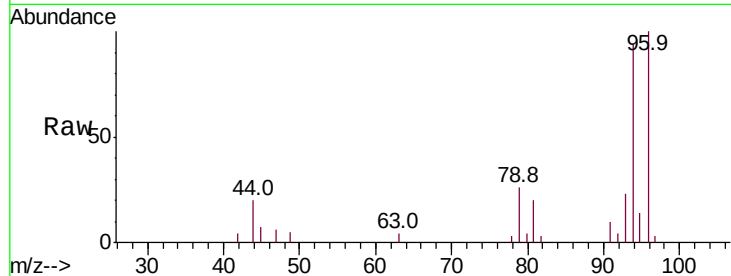




#5
Bromomethane
Concen: 15.112 ug/l
RT: 2.15 min Scan# 74
Delta R.T. 0.00 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

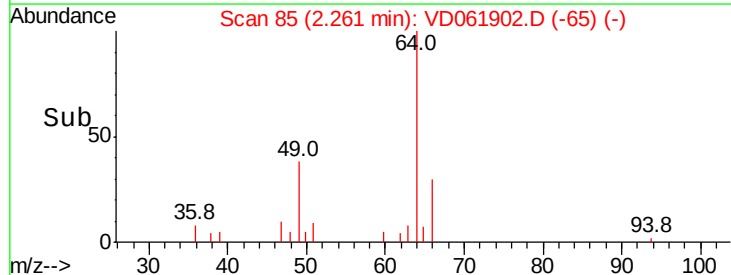
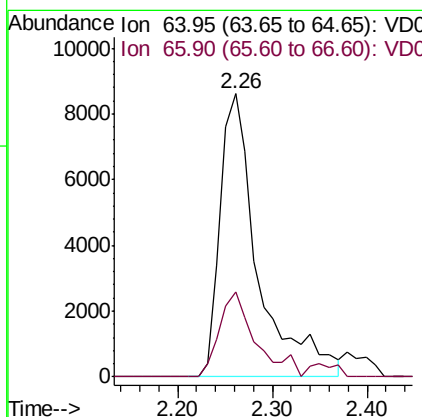
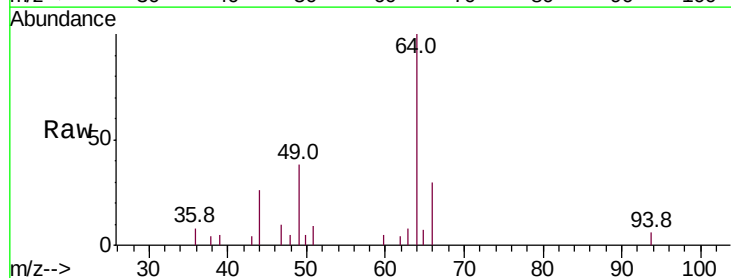
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBSD02

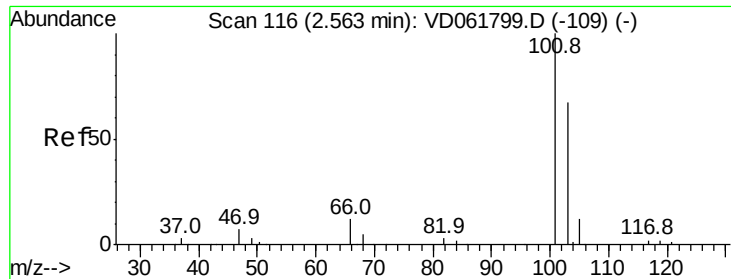
Tot Ion: 94 Resp: 18425
Ion Ratio Lower Upper
94 100
96 109.7 76.6 115.0
93 24.1 18.5 27.7



#6
Chloroethane
Concen: 15.158 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.01 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Tgt Ion: 64 Resp: 24077
Ion Ratio Lower Upper
64 100
66 29.9 25.6 38.4



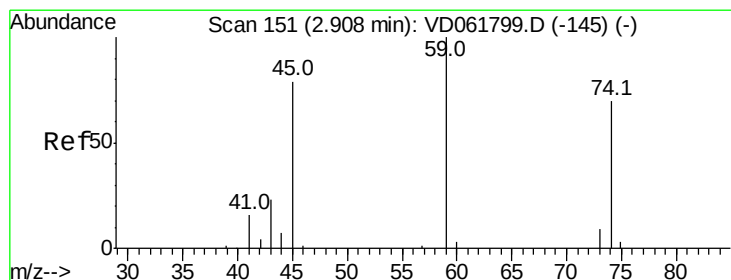
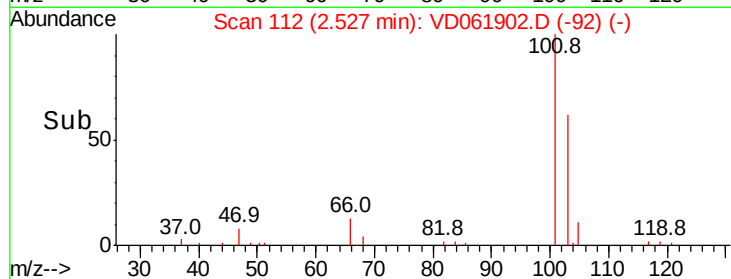
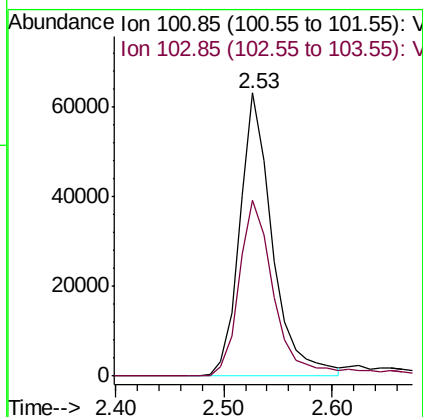
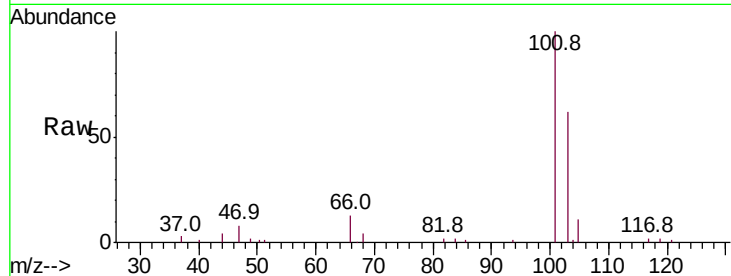


#7

Trichlorofluoromethane
 Concen: 17.468 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBSD02

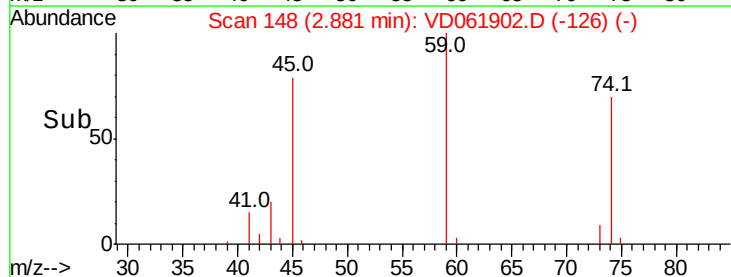
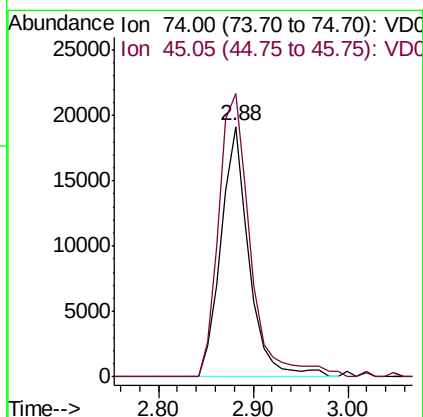
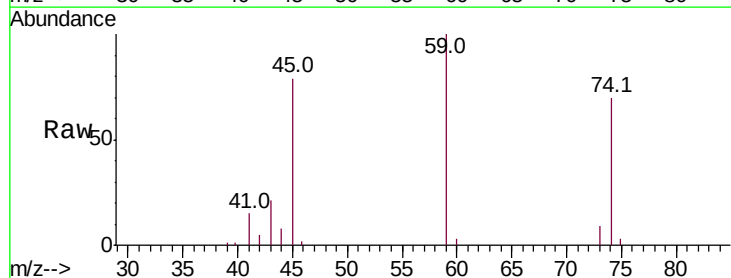
Tot Ion:101 Resp: 131914
 Ion Ratio Lower Upper
 101 100
 103 62.2 53.6 80.4

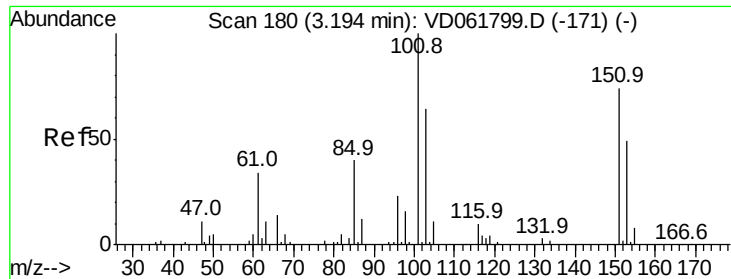


#8

Diethyl Ether
 Concen: 19.829 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Tgt Ion: 74 Resp: 39243
 Ion Ratio Lower Upper
 74 100
 45 113.1 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.520 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

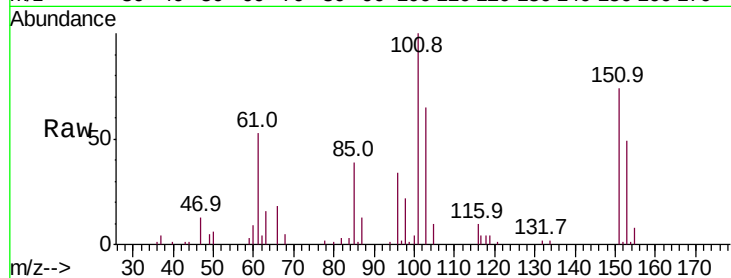
Tot Ion:101 Resp: 124702

Ion Ratio Lower Upper

101 100

85 39.5 32.4 48.6

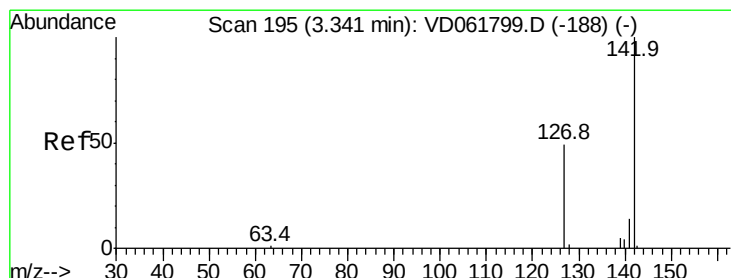
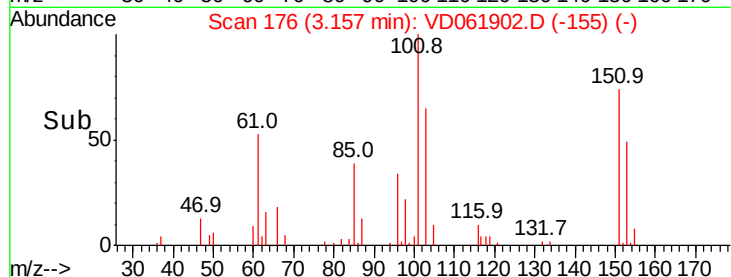
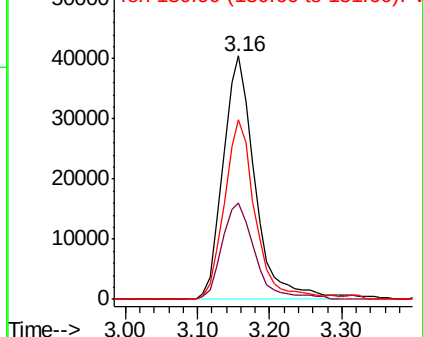
151 73.6 59.4 89.0



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: 17.575 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

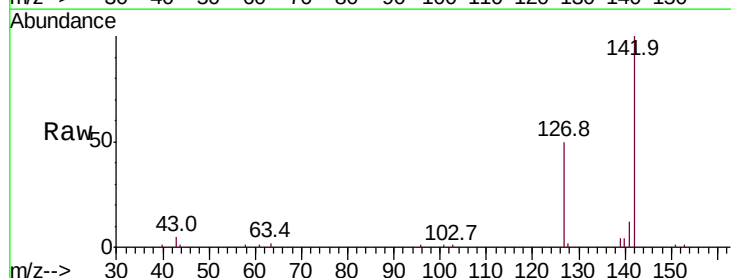
Tgt Ion:142 Resp: 162569

Ion Ratio Lower Upper

142 100

127 50.5 38.8 58.2

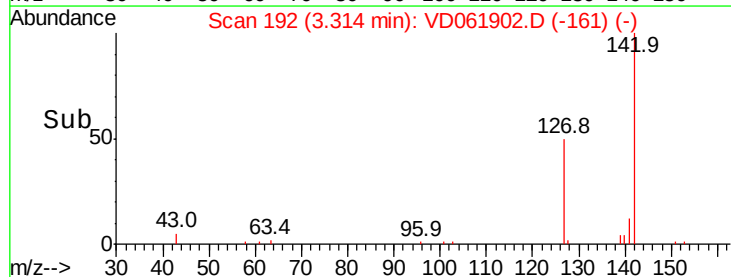
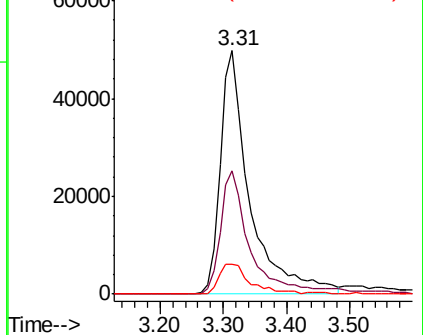
141 12.5 11.4 17.0

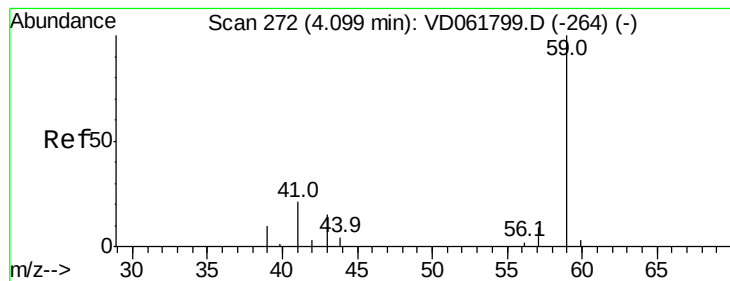


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



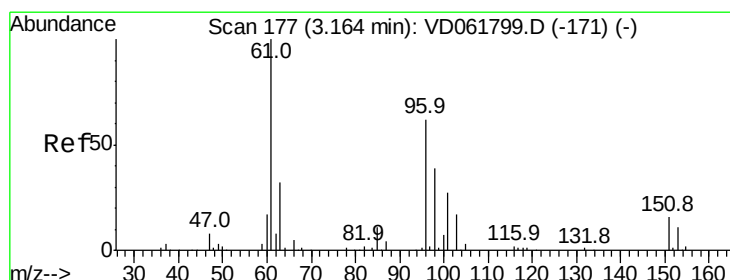
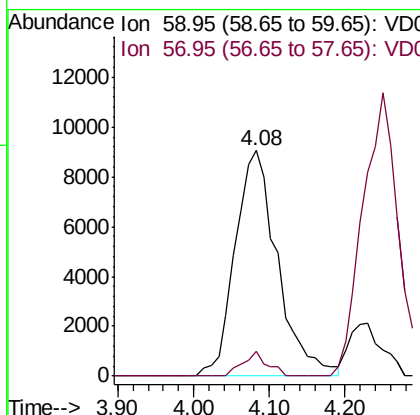
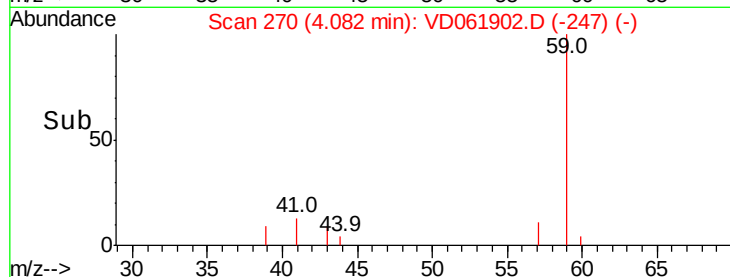
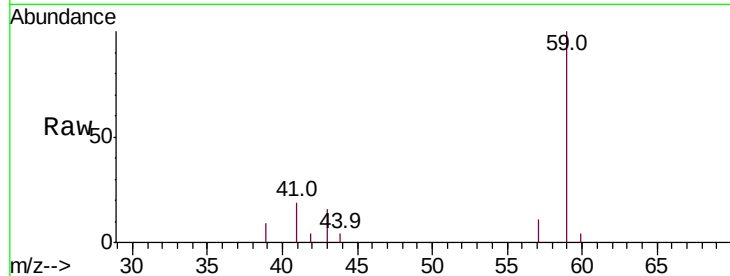


#11

Tert butyl alcohol
 Concen: 117.947 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.02 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

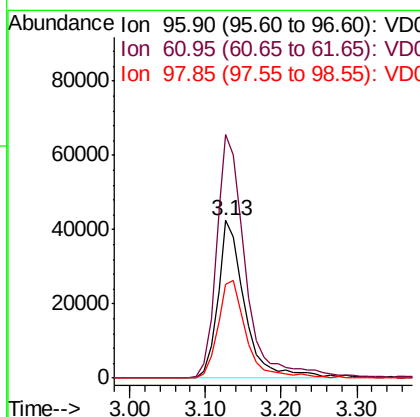
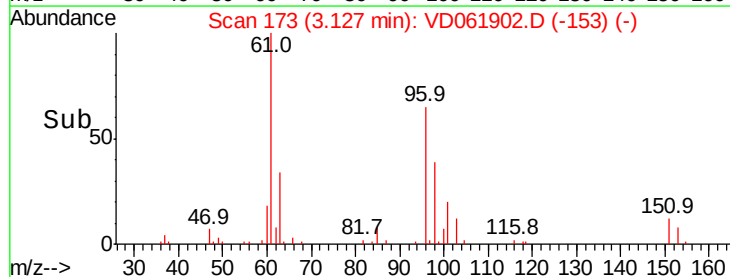
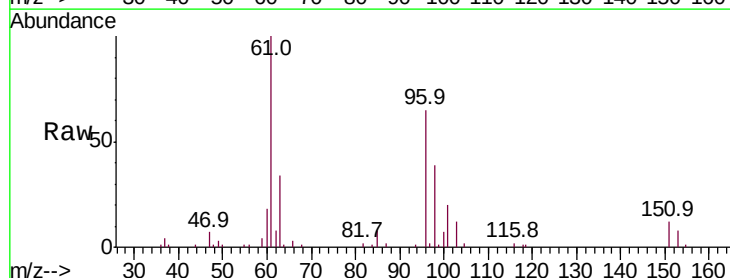
Tot Ion: 59 Resp: 35160
 Ion Ratio Lower Upper
 59 100
 57 10.8 6.9 10.3#

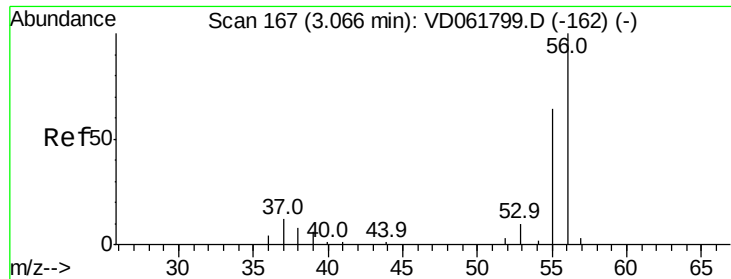


#12

1,1-Dichloroethene
 Concen: 18.601 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Tgt Ion: 96 Resp: 105293
 Ion Ratio Lower Upper
 96 100
 61 154.8 129.8 194.8
 98 60.0 51.2 76.8





#13

Acrolein

Concen: 92.845 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

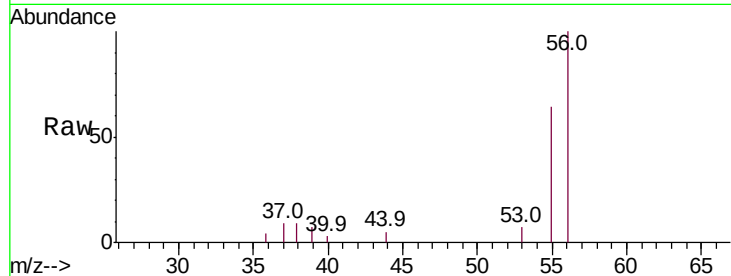
VD0418SBS02

Tot Ion: 56 Resp: 26794

Ion Ratio Lower Upper

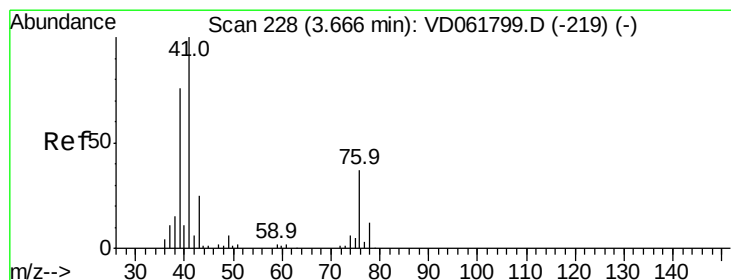
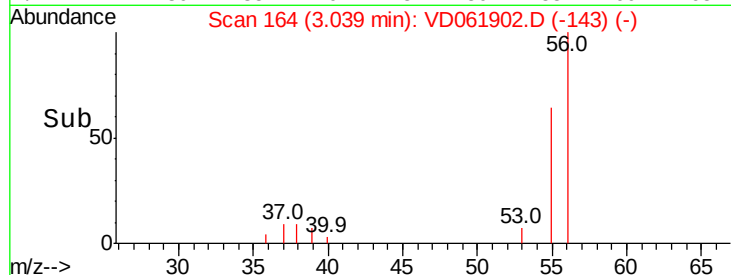
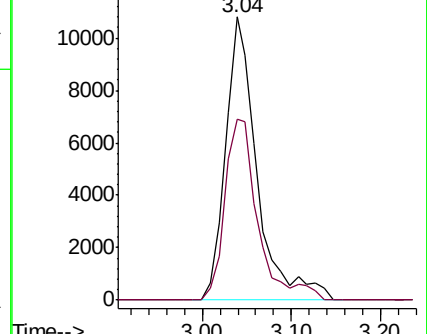
56 100

55 64.0 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.575 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

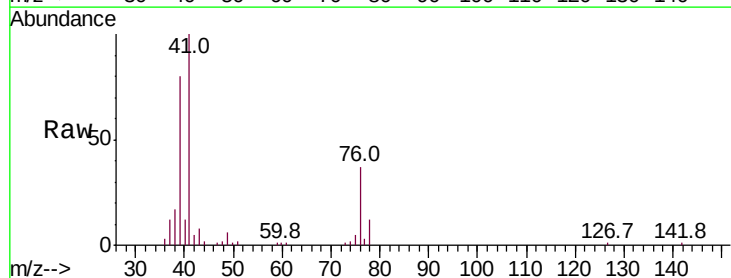
Tgt Ion: 41 Resp: 158755

Ion Ratio Lower Upper

41 100

39 79.6 60.5 90.7

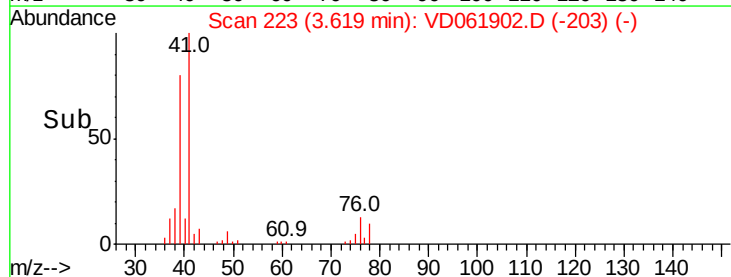
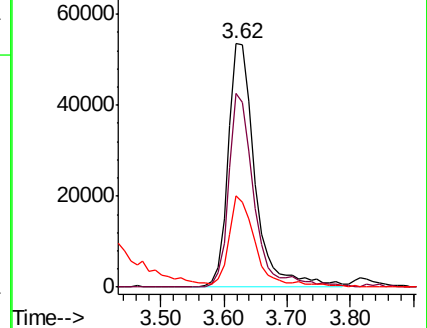
76 37.4 31.8 47.8

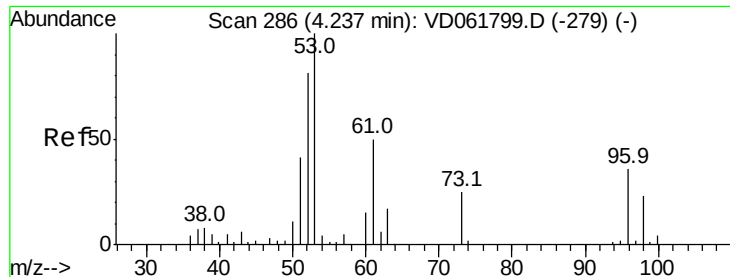


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 103.415 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

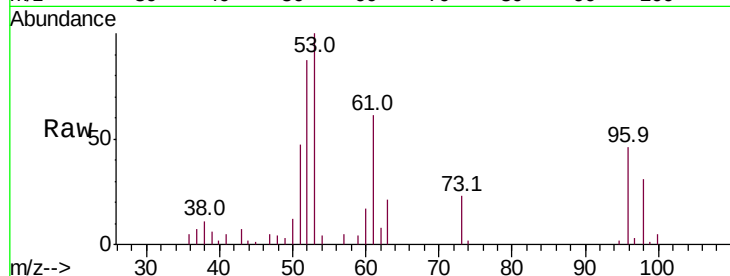
Tot Ion: 53 Resp: 96781

Ion Ratio Lower Upper

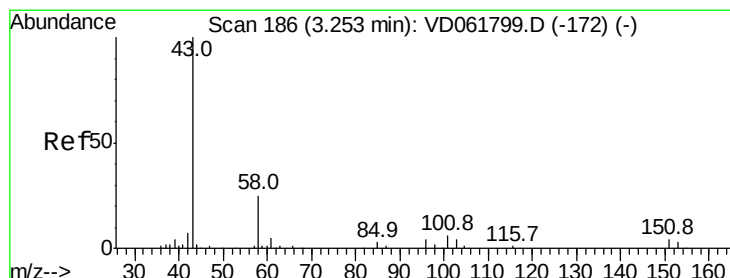
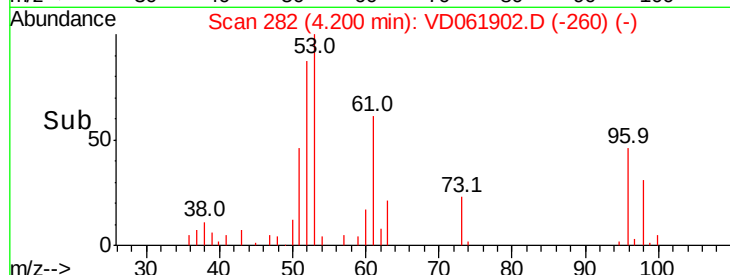
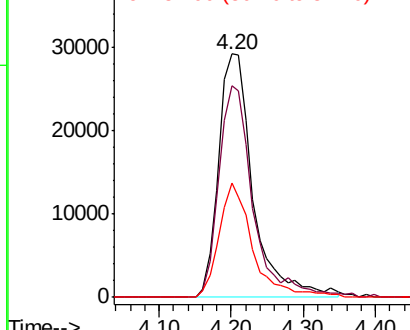
53 100

52 87.1 65.0 97.4

51 46.9 32.6 48.8



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



#16

Acetone

Concen: 108.178 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061902.D

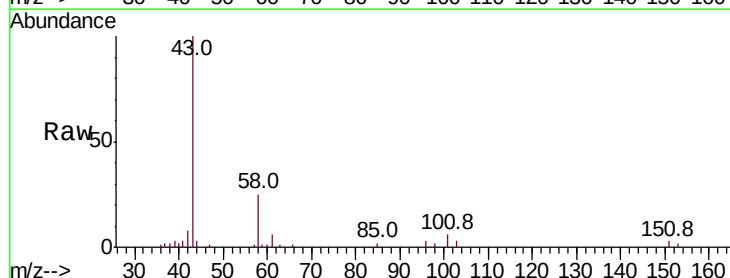
Acq: 19 Apr 2019 9:45

Tgt Ion: 43 Resp: 134774

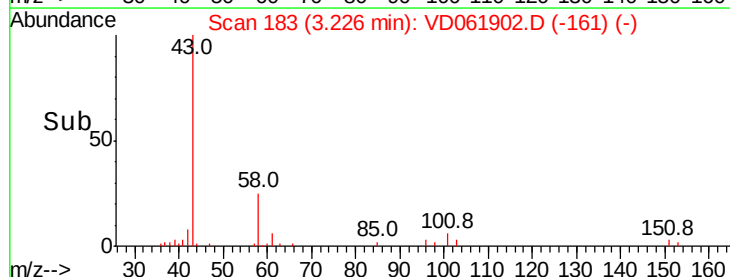
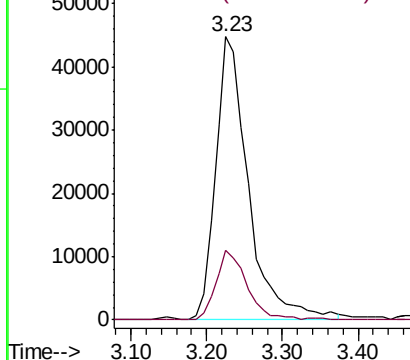
Ion Ratio Lower Upper

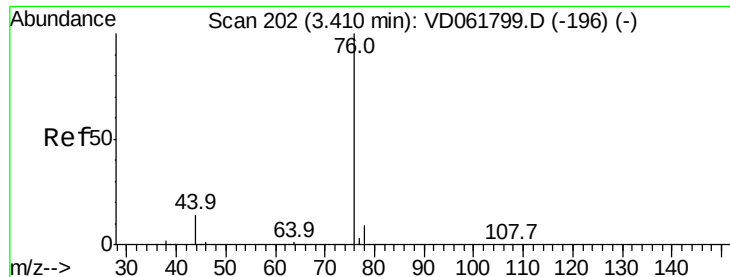
43 100

58 24.5 19.9 29.9



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

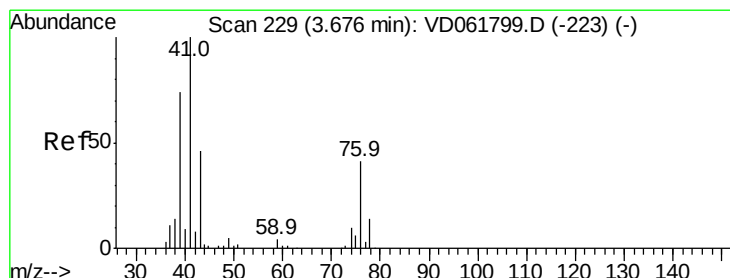
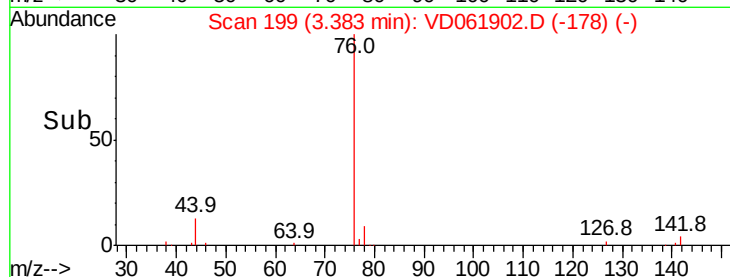
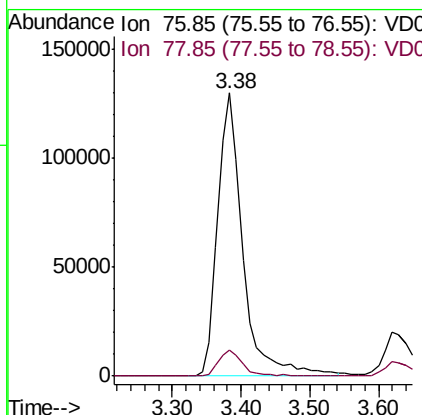
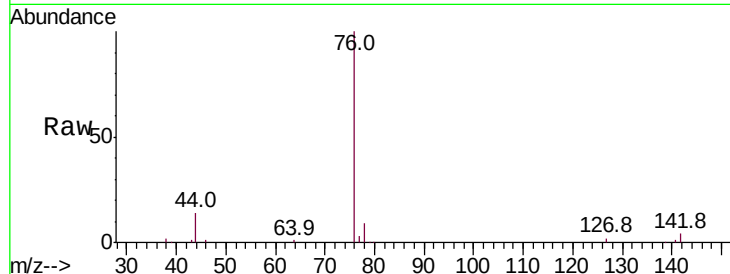




#17
Carbon Disulfide
Concen: 17.951 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.00 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

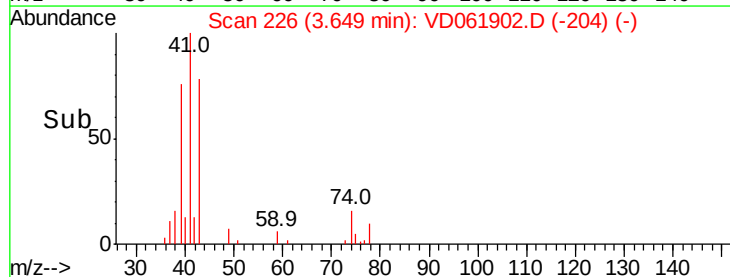
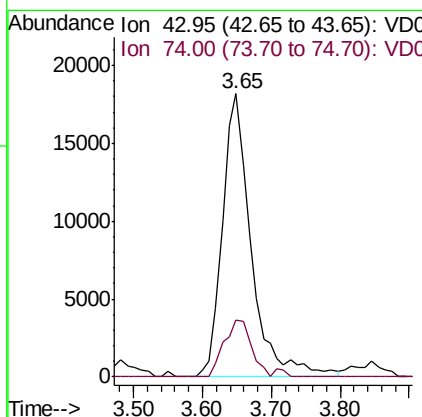
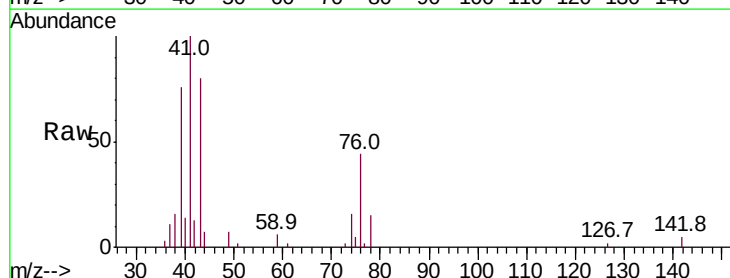
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBSD02

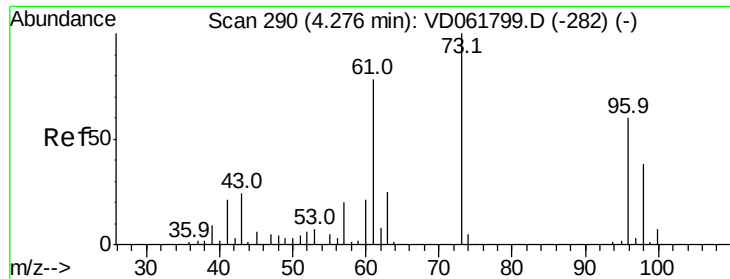
Tot Ion: 76 Resp: 328318
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 21.103 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Tgt Ion: 43 Resp: 52695
Ion Ratio Lower Upper
43 100
74 20.1 18.0 27.0



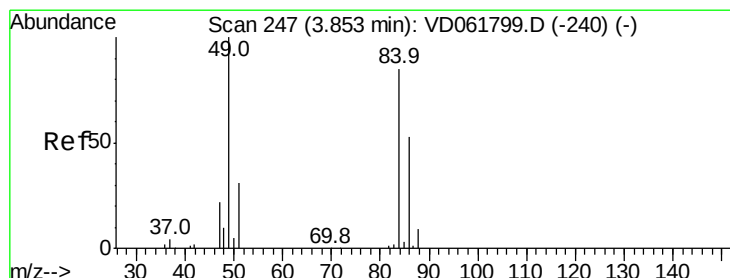
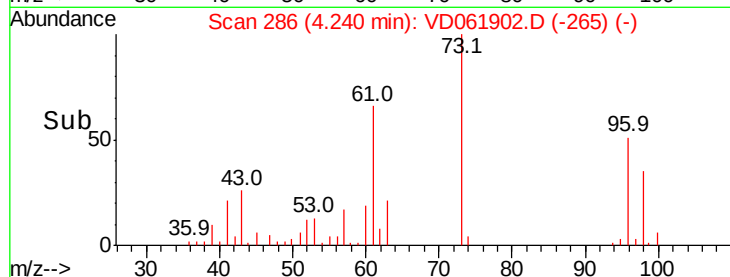
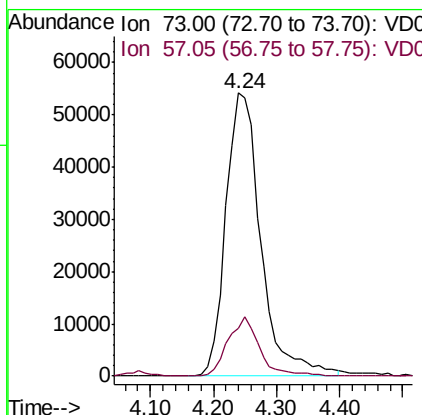
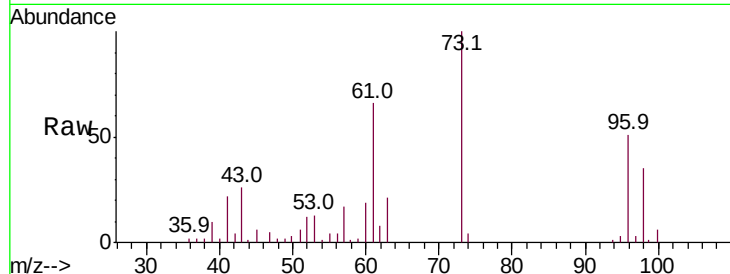


#19

Methyl tert-butyl Ether
 Concen: 19.659 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

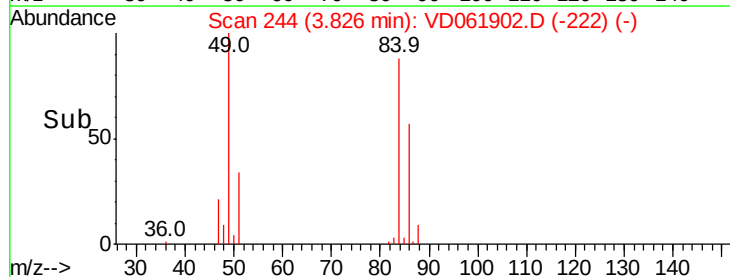
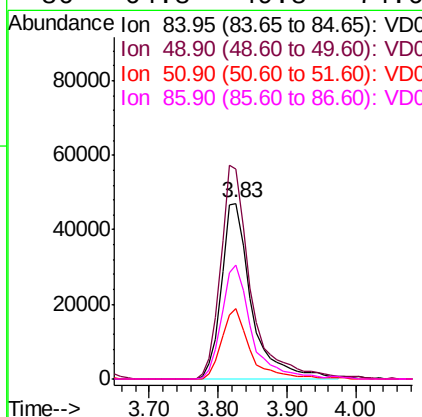
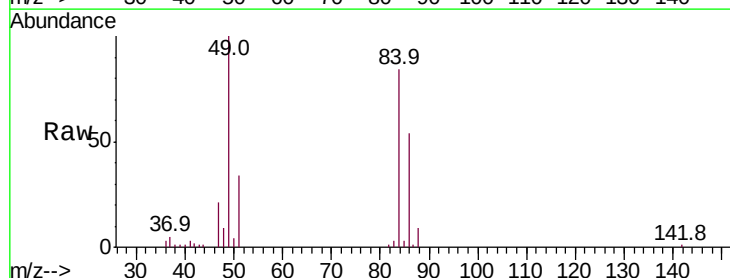
Tot Ion: 73 Resp: 207678
 Ion Ratio Lower Upper
 73 100
 57 17.0 16.3 24.5

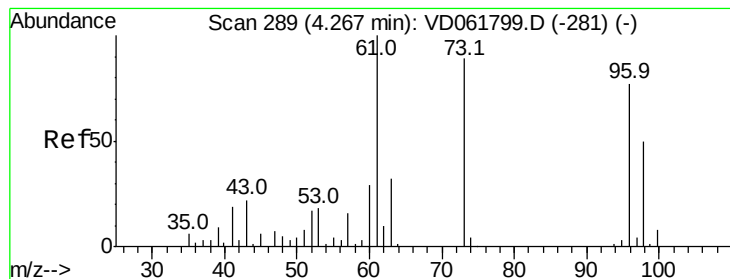


#20

Methylene Chloride
 Concen: 20.425 ug/l
 RT: 3.83 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Tgt Ion: 84 Resp: 143290
 Ion Ratio Lower Upper
 84 100
 49 119.0 94.0 141.0
 51 39.9 29.0 43.4
 86 64.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.412 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBSD02

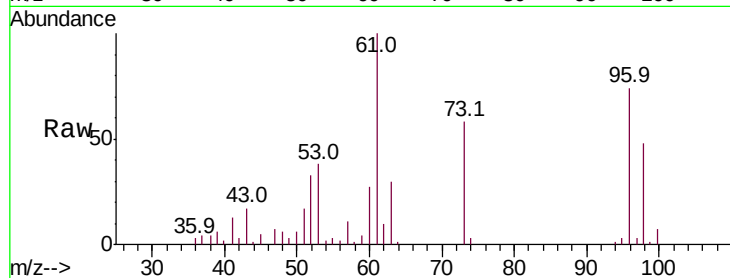
Tot Ion: 96 Resp: 120761

Ion Ratio Lower Upper

96 100

61 134.2 104.4 156.6

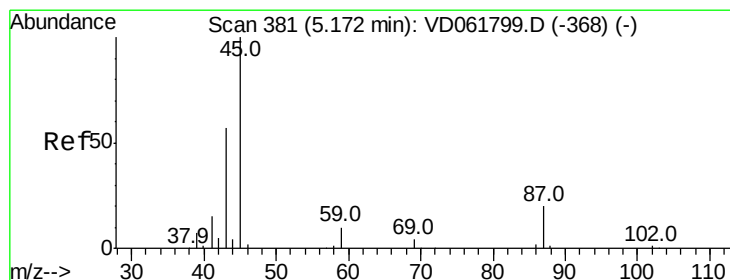
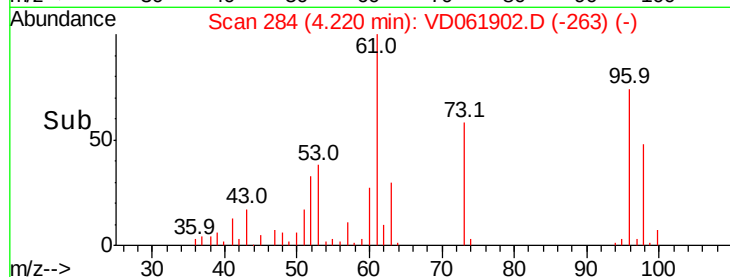
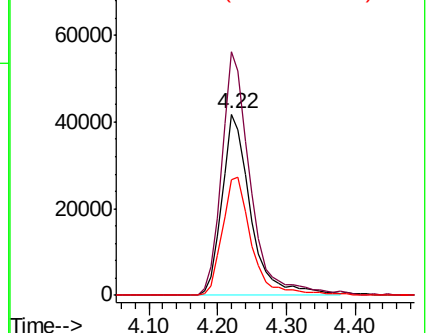
98 63.8 51.8 77.8



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: 20.586 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Tgt Ion: 45 Resp: 339528

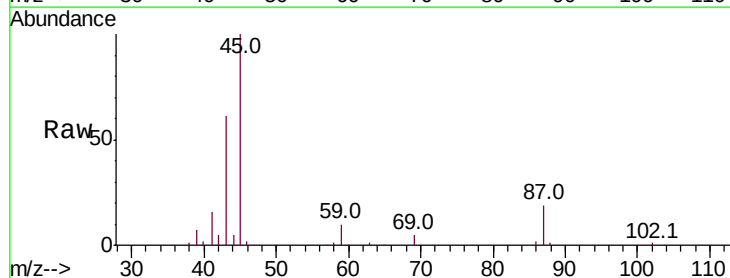
Ion Ratio Lower Upper

45 100

43 60.8 46.2 69.2

87 18.9 15.9 23.9

59 9.6 7.9 11.9

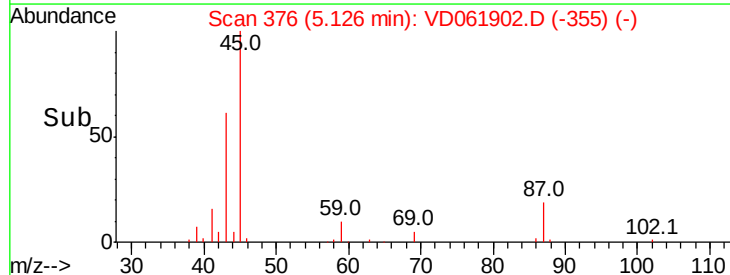
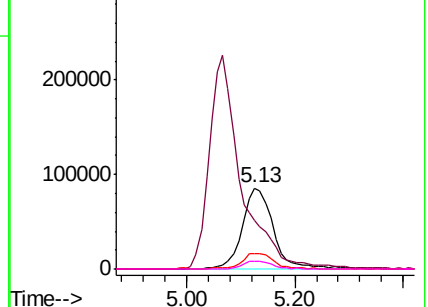


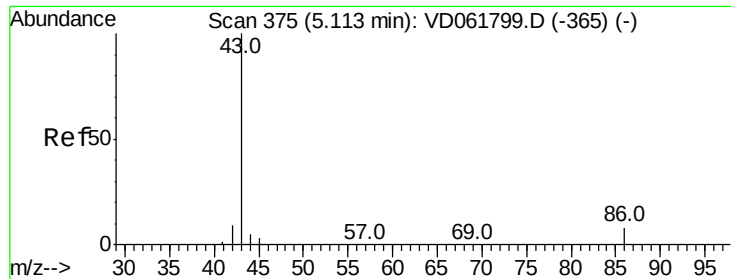
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 103.321 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

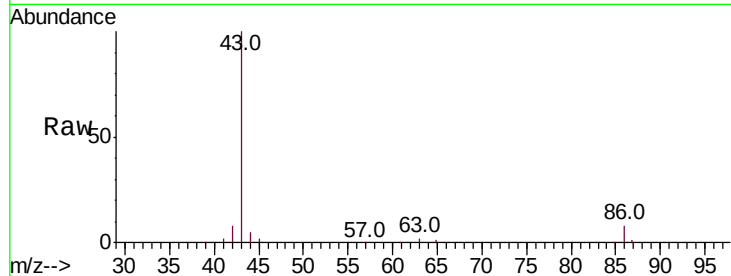
VD0418SBS02

Tot Ion: 43 Resp: 910951

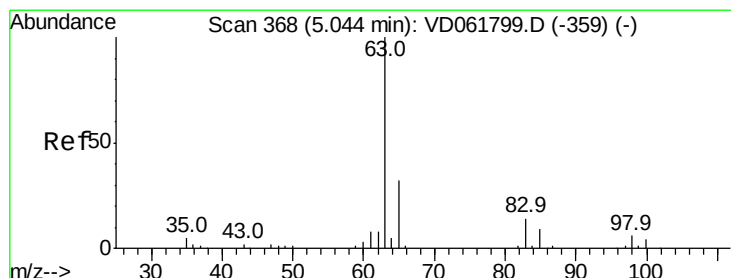
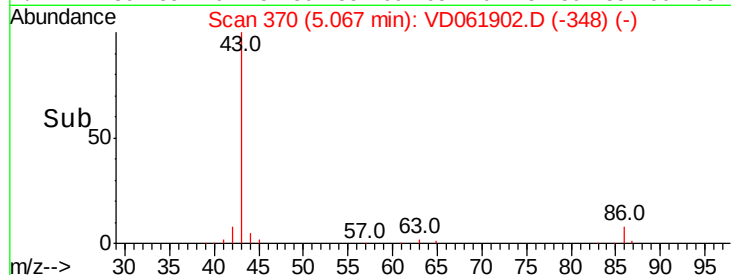
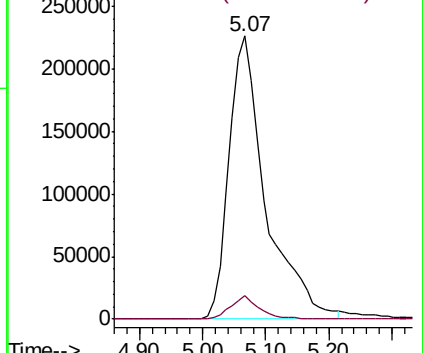
Ion Ratio Lower Upper

43 100

86 8.4 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD061799.D (-365) (-)



#24

1,1-Dichloroethane

Concen: 20.204 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

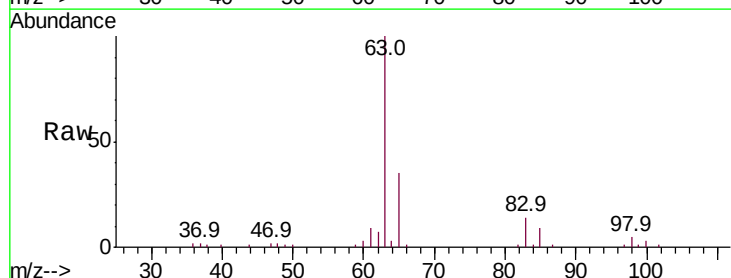
Tgt Ion: 63 Resp: 202038

Ion Ratio Lower Upper

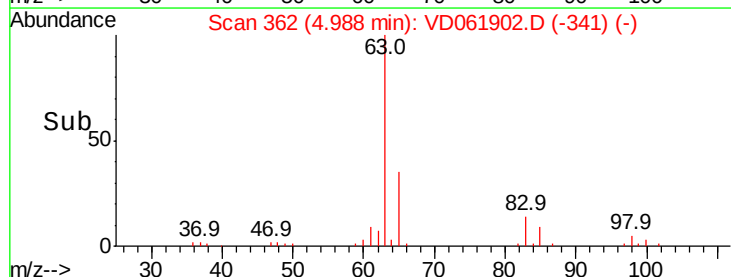
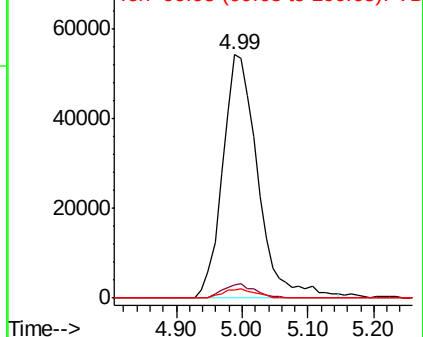
63 100

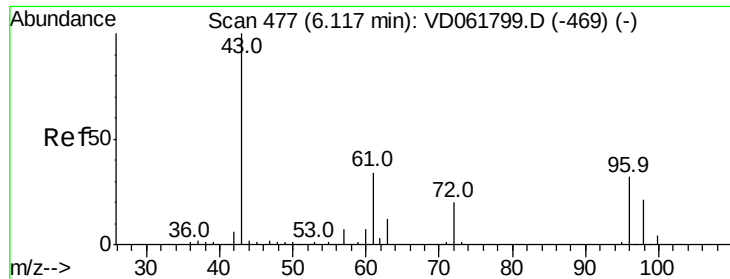
98 5.3 2.8 8.4

100 3.2 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD061799.D (-359) (-)





#25

2-Butanone

Concen: 110.454 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

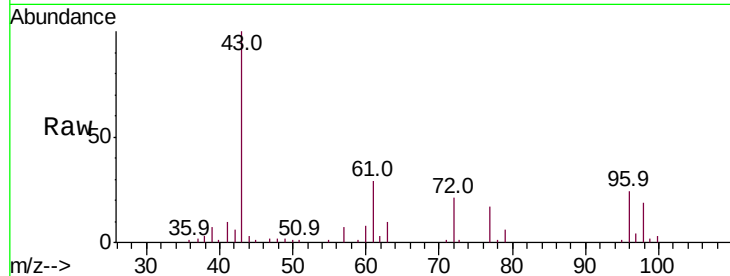
VD0418SBS02

Tot Ion: 43 Resp: 156664

Ion Ratio Lower Upper

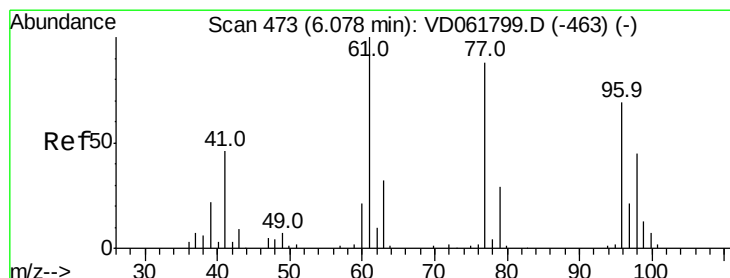
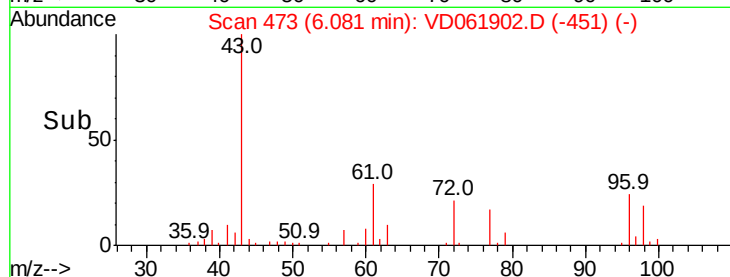
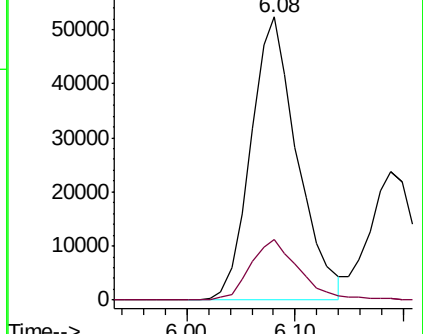
43 100

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: 21.580 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061902.D

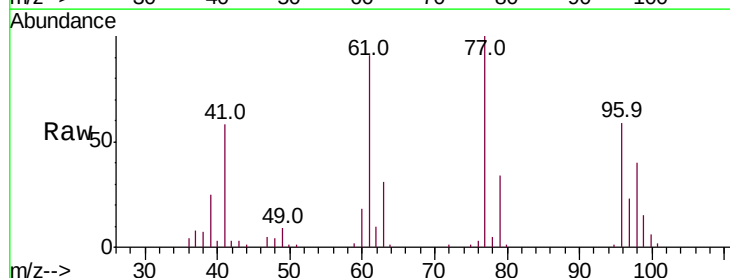
Acq: 19 Apr 2019 9:45

Tgt Ion: 77 Resp: 186522

Ion Ratio Lower Upper

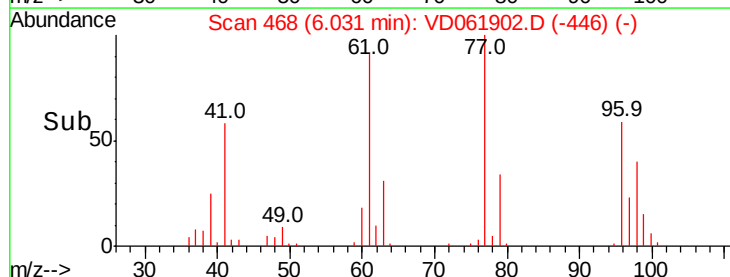
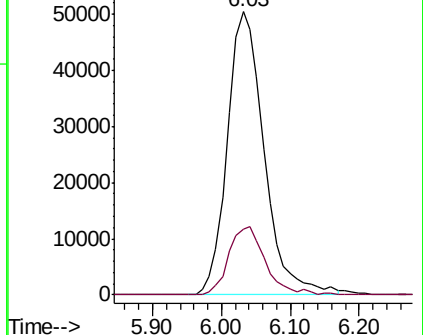
77 100

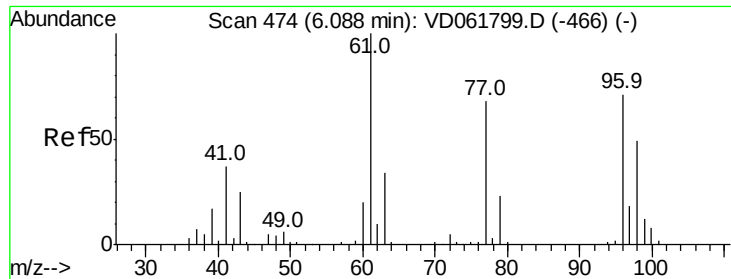
97 23.3 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



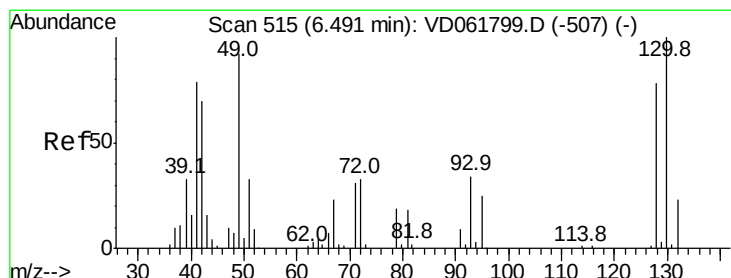
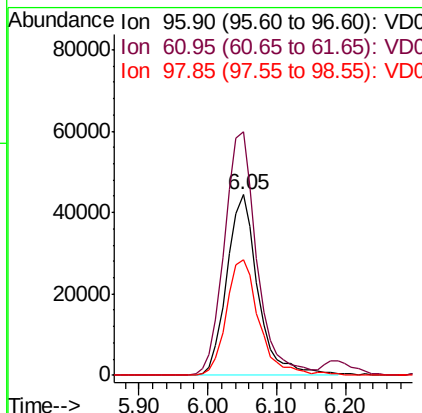
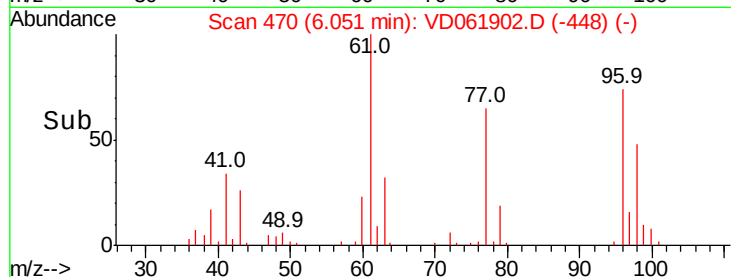
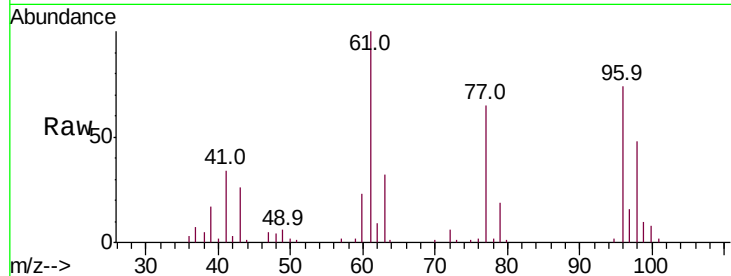


#27

cis-1,2-Dichloroethene
 Concen: 20.635 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

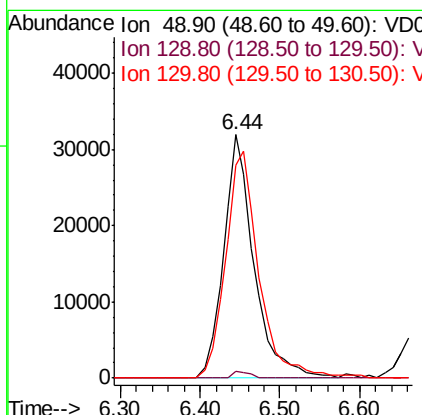
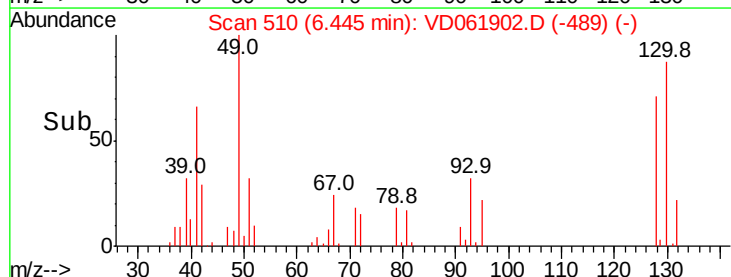
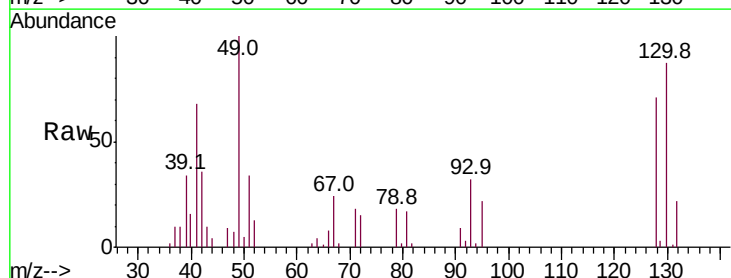
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.0	0.0	279.8
98	64.4	0.0	136.0

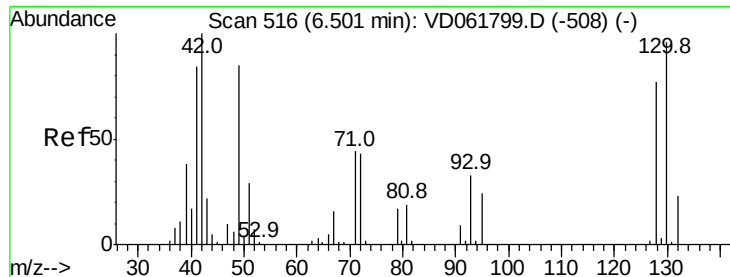


#28

Bromochloromethane
 Concen: 22.389 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	6.6
130	87.5	86.7	130.1





#29

Tetrahydrofuran

Concen: 102.539 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

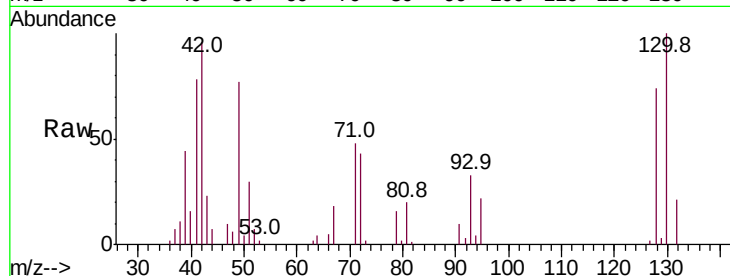
Tot Ion: 42 Resp: 70845

Ion Ratio Lower Upper

42 100

72 47.1 37.8 56.6

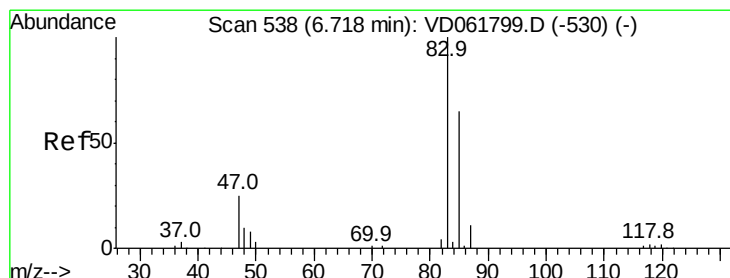
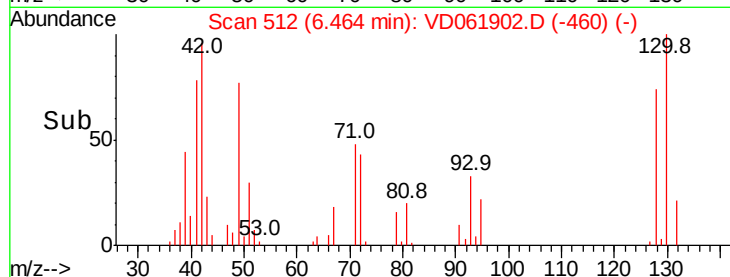
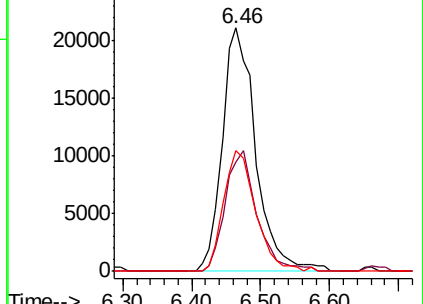
71 47.5 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.961 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD061902.D

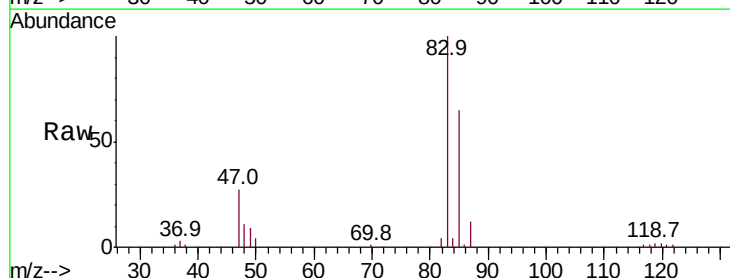
Acq: 19 Apr 2019 9:45

Tgt Ion: 83 Resp: 233787

Ion Ratio Lower Upper

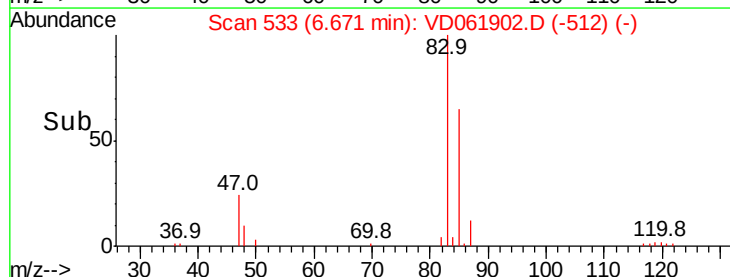
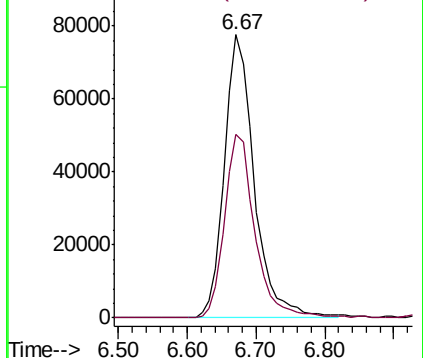
83 100

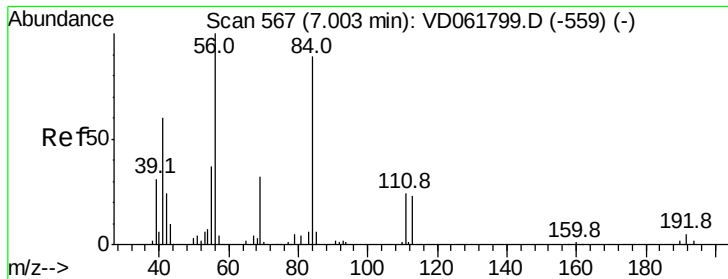
85 64.6 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

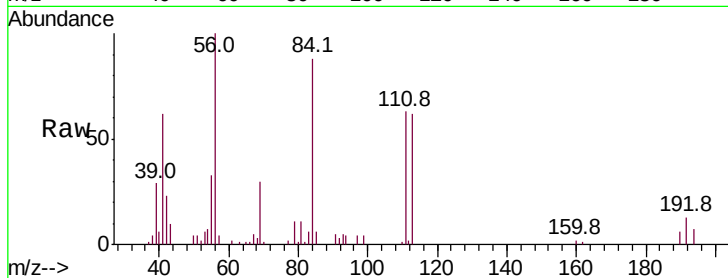




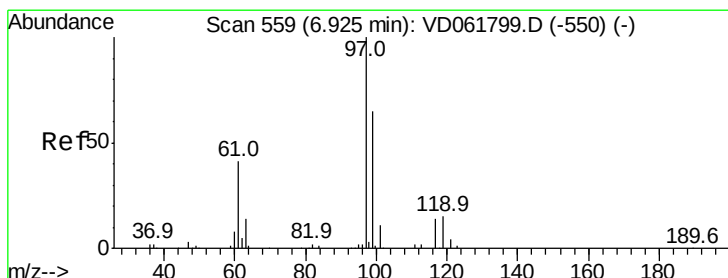
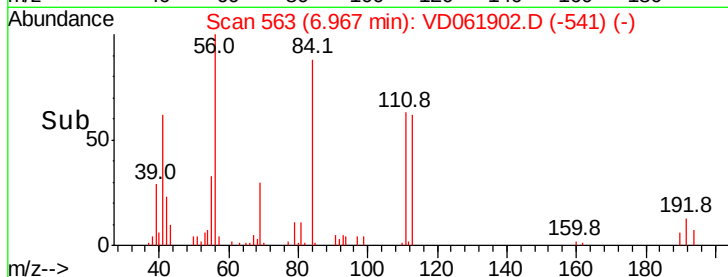
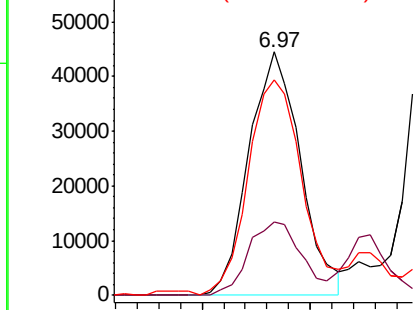
#31
Cyclohexane
Concen: 19.219 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBSD02

Tot Ion: 56 Resp: 147122
Ion Ratio Lower Upper
56 100
69 30.1 25.8 38.6
84 88.4 72.2 108.4

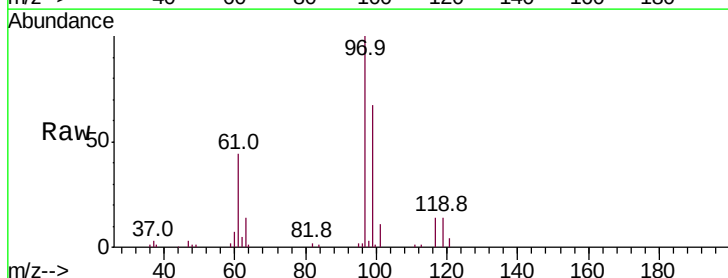


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

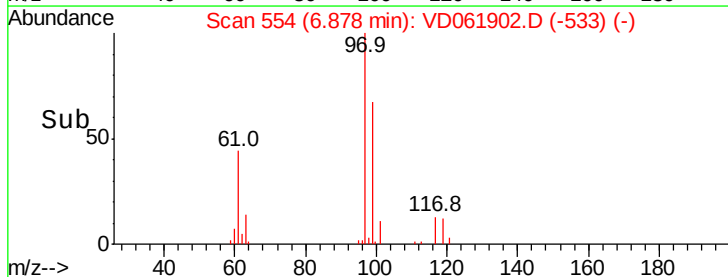
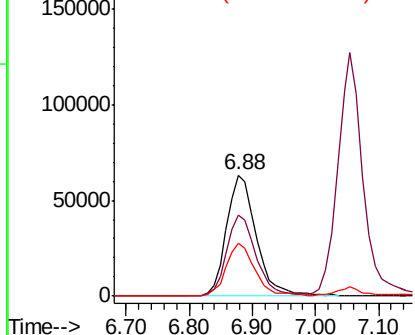


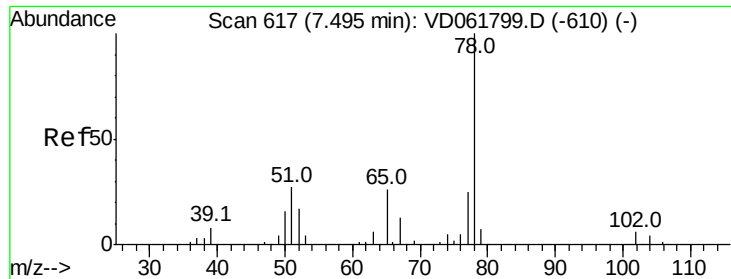
#32
1,1,1-Trichloroethane
Concen: 20.804 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Tgt Ion: 97 Resp: 205695
Ion Ratio Lower Upper
97 100
99 66.8 52.2 78.2
61 43.8 32.4 48.6



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

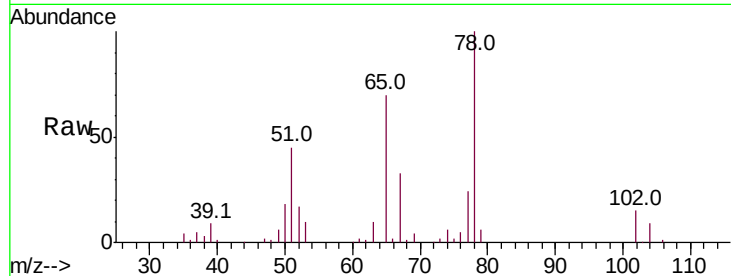




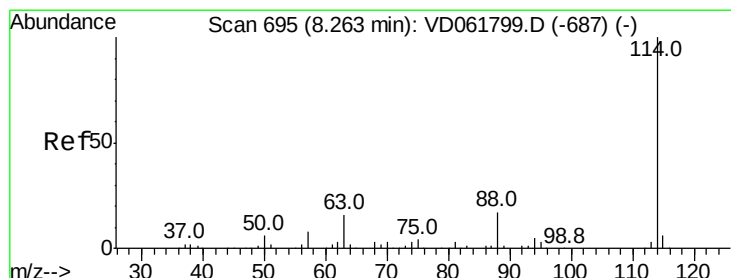
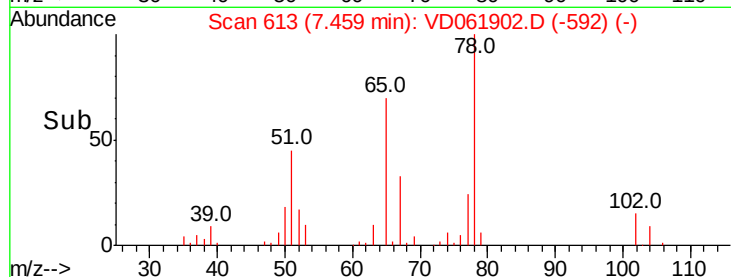
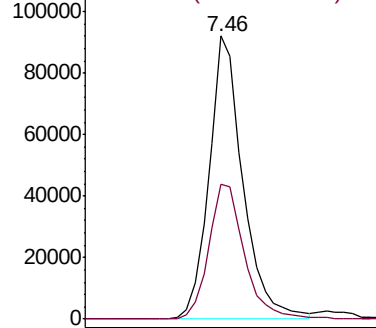
#33
 1,2-Dichloroethane-d4
 Concen: 20.804 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBSD02

Tot Ion: 65 Resp: 241661
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 98.0

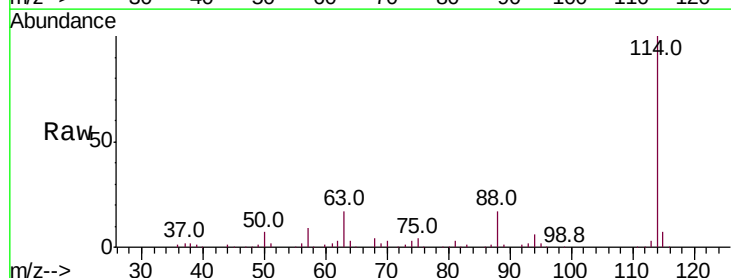


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

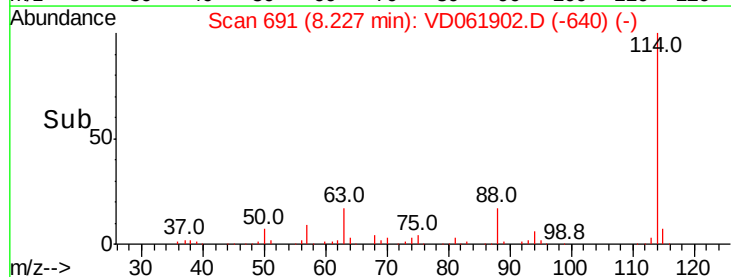
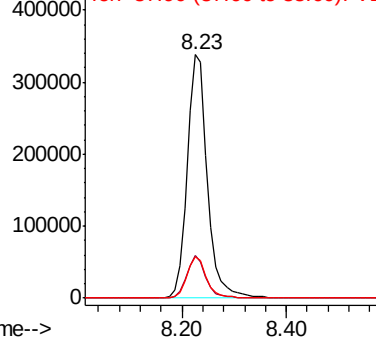


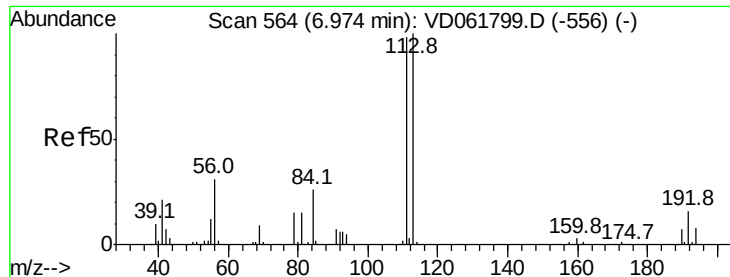
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Tgt Ion: 114 Resp: 905891
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 32.4
 88 17.1 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

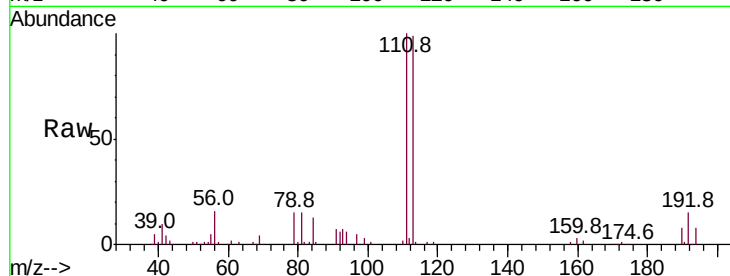
Tot Ion:113 Resp: 349579

Ion Ratio Lower Upper

113 100

111 100.9 78.5 117.7

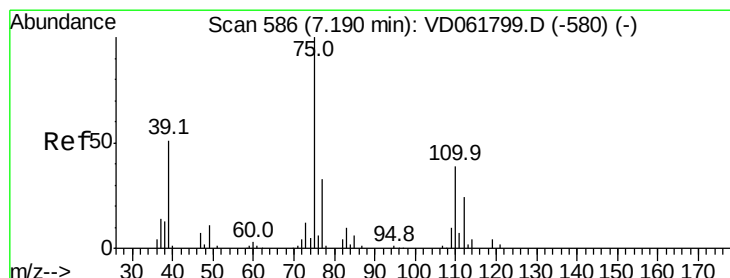
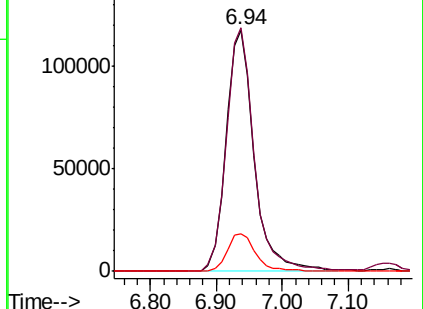
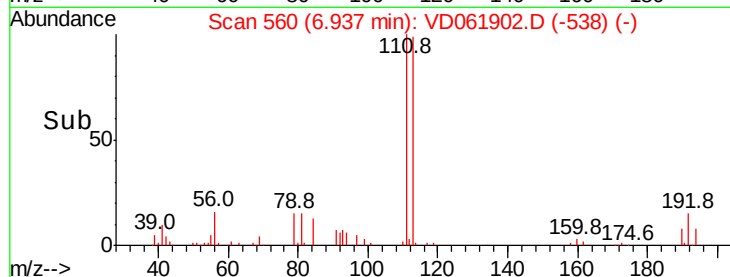
192 15.3 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 23.272 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

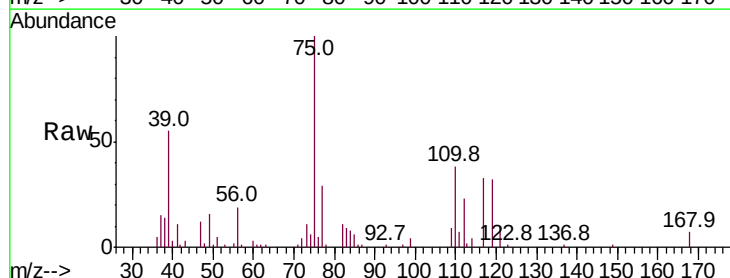
Tgt Ion: 75 Resp: 172270

Ion Ratio Lower Upper

75 100

110 38.4 19.1 57.1

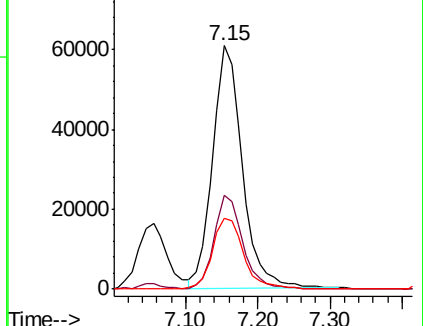
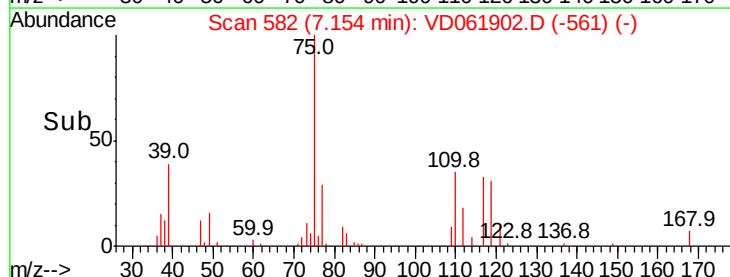
77 29.3 25.6 38.4

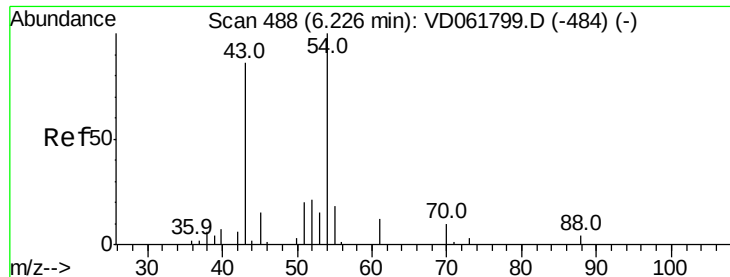


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

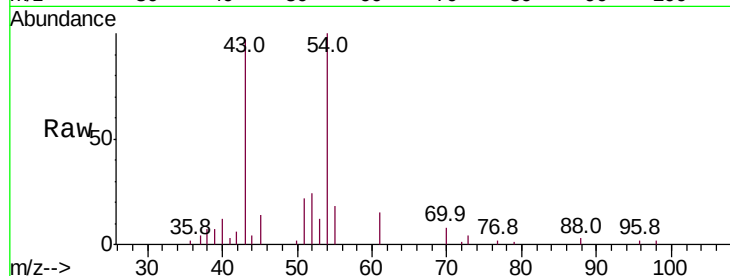




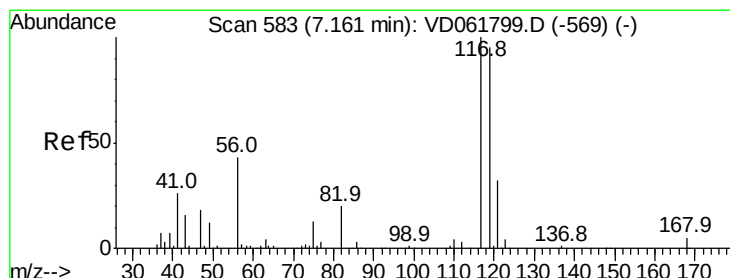
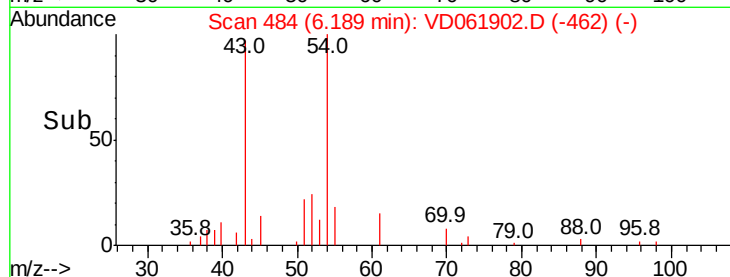
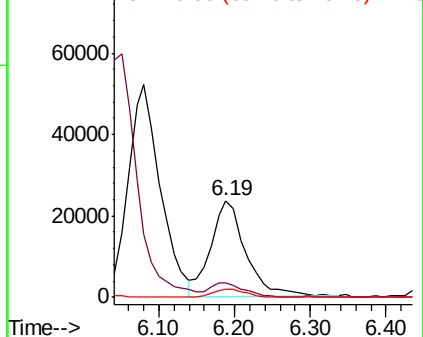
#37
Ethyl Acetate
Concen: 24.035 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

Tot Ion: 43 Resp: 76148
Ion Ratio Lower Upper
43 100
61 15.6 14.7 22.1
70 8.4 7.8 11.6

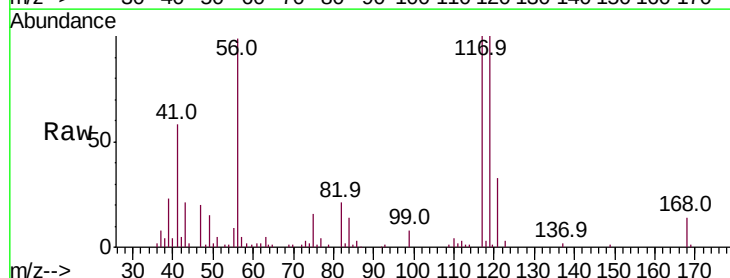


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

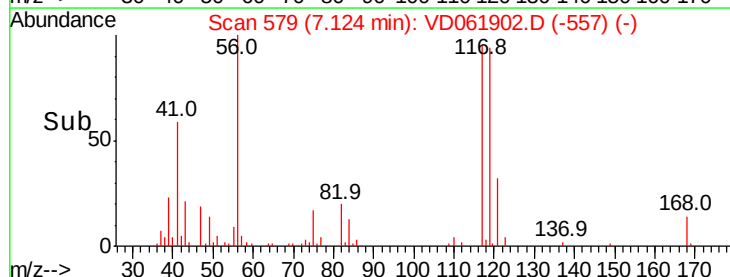
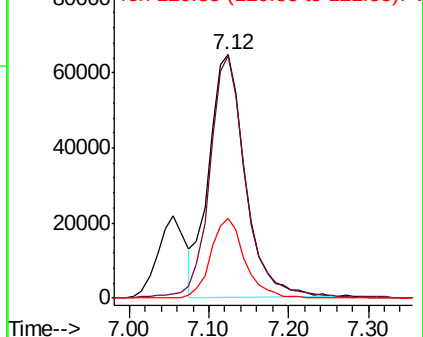


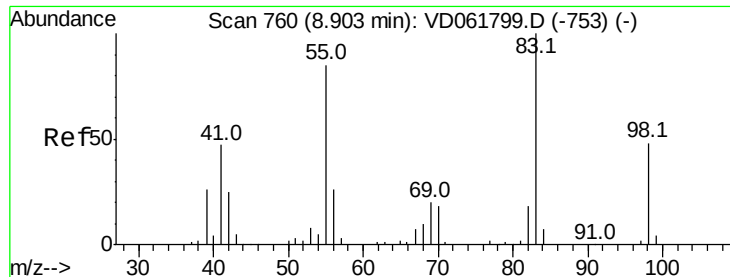
#38
Carbon Tetrachloride
Concen: 22.030 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Tgt Ion: 117 Resp: 205920
Ion Ratio Lower Upper
117 100
119 99.6 75.8 113.8
121 33.0 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

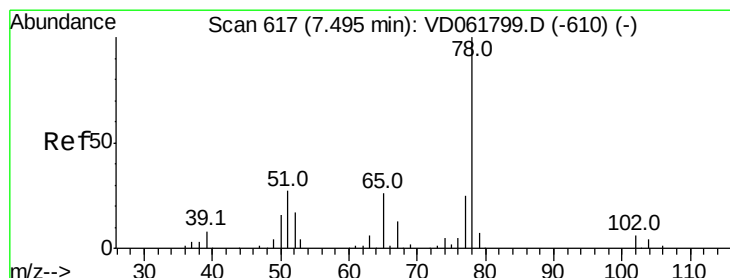
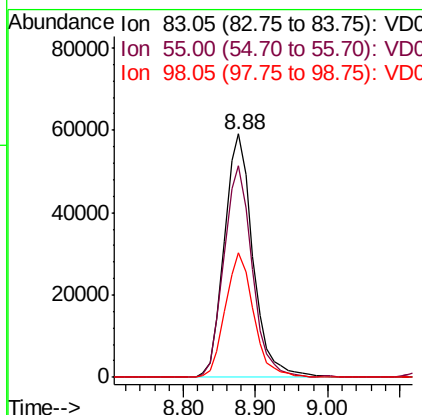
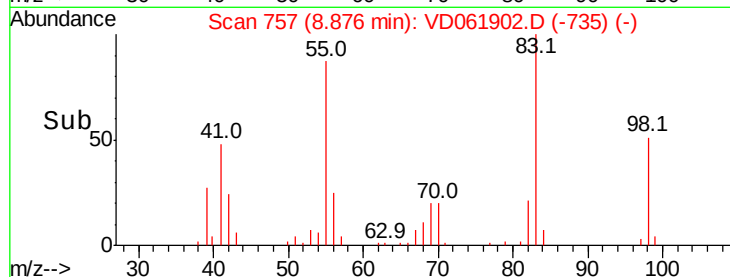
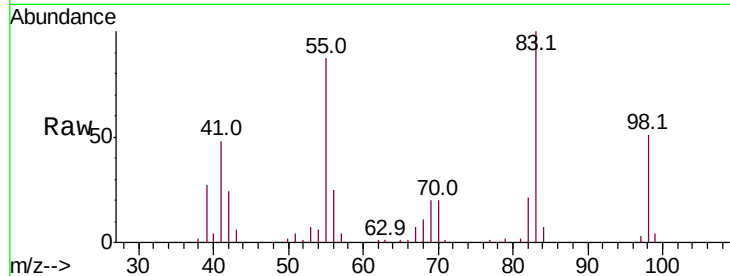




#39
Methvlcvclohexane
Concen: 21.198 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

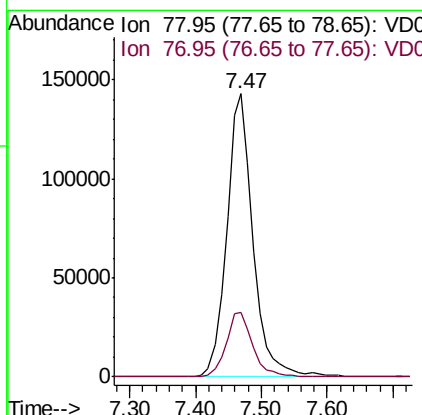
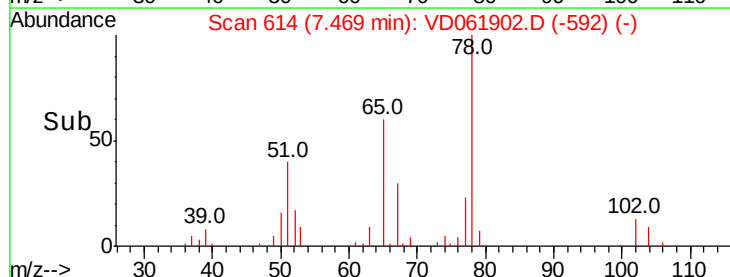
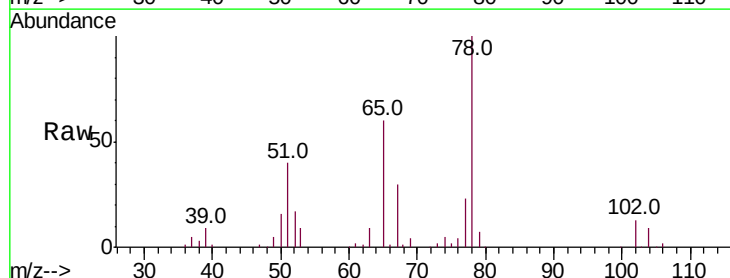
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

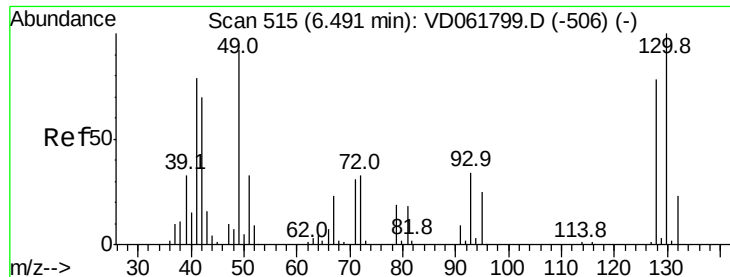
Tot Ion: 83 Resp: 162950
Ion Ratio Lower Upper
83 100
55 86.8 68.2 102.4
98 51.3 38.2 57.4



#40
Benzene
Concen: 22.310 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Tgt Ion: 78 Resp: 396492
Ion Ratio Lower Upper
78 100
77 23.0 19.7 29.5

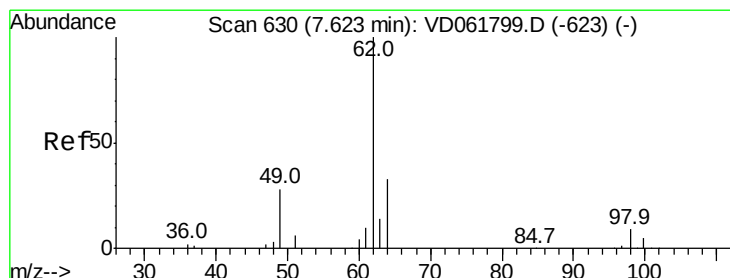
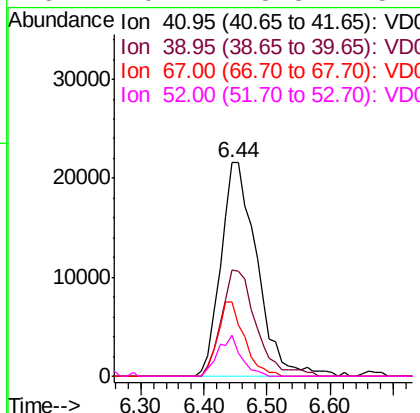
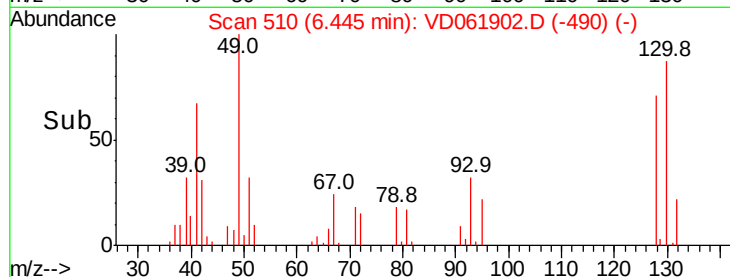
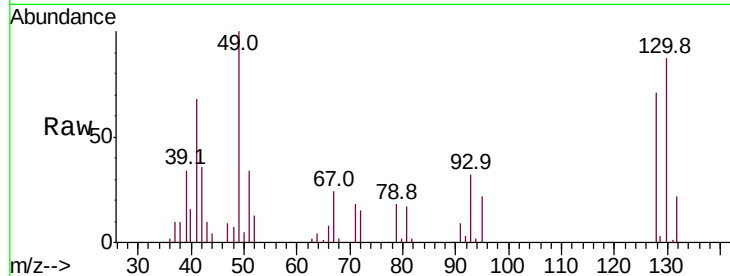




#41
Methacrylonitrile
Concen: 22.984 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

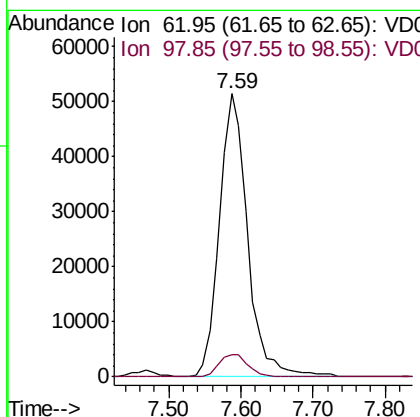
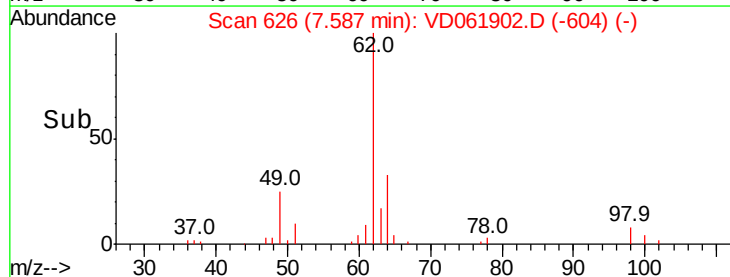
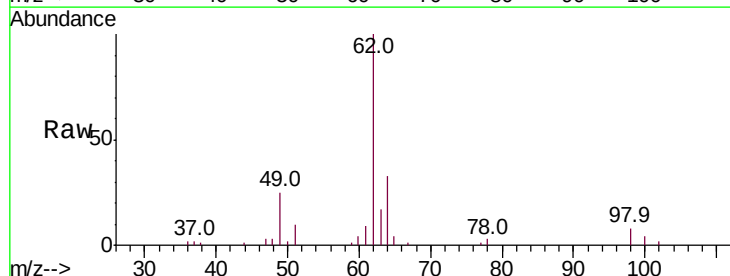
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBSD02

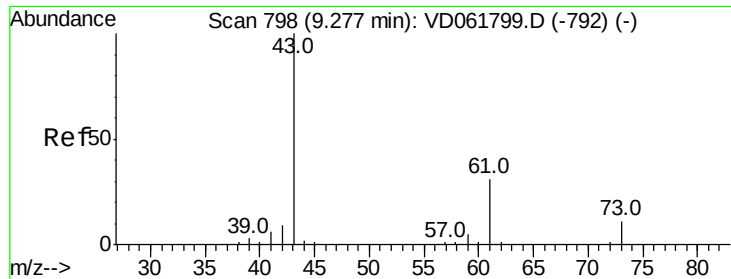
Tot Ion: 41 Resp: 86068
Ion Ratio Lower Upper
41 100
39 49.8 34.1 51.1
67 35.0 23.8 35.6
52 19.1 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 22.430 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Tgt Ion: 62 Resp: 138830
Ion Ratio Lower Upper
62 100
98 7.9 0.0 17.8





#43

Isopropyl Acetate

Concen: 22.288 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBSD02

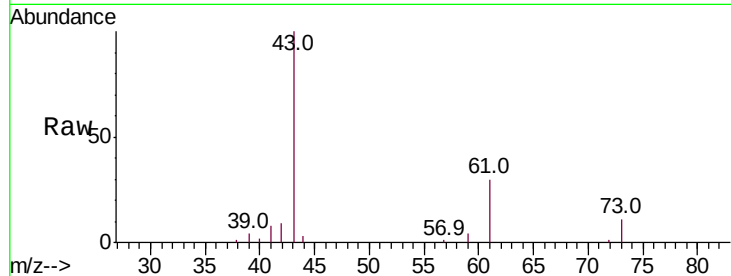
Tot Ion: 43 Resp: 99371

Ion Ratio Lower Upper

43 100

61 30.0 25.1 37.7

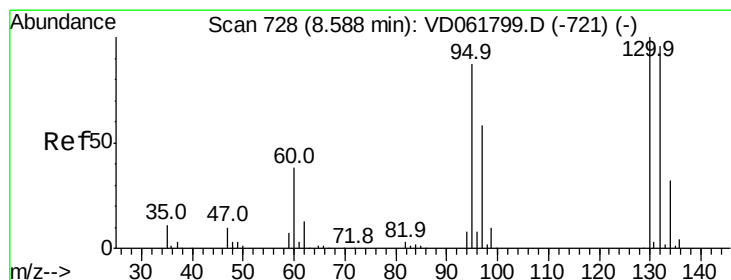
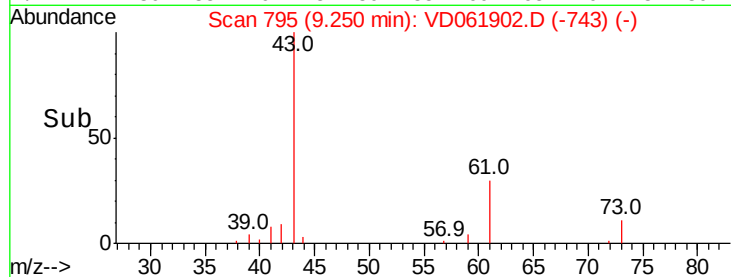
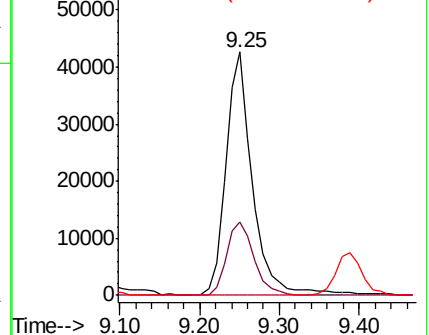
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.239 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD061902.D

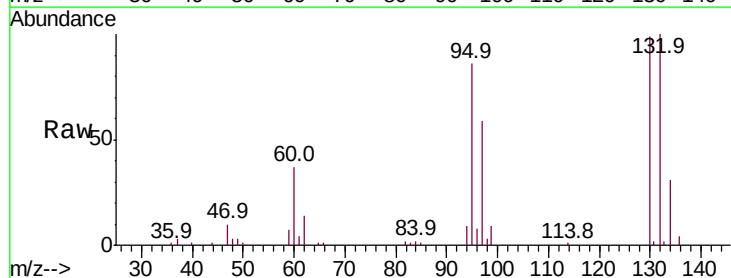
Acq: 19 Apr 2019 9:45

Tgt Ion:130 Resp: 145309

Ion Ratio Lower Upper

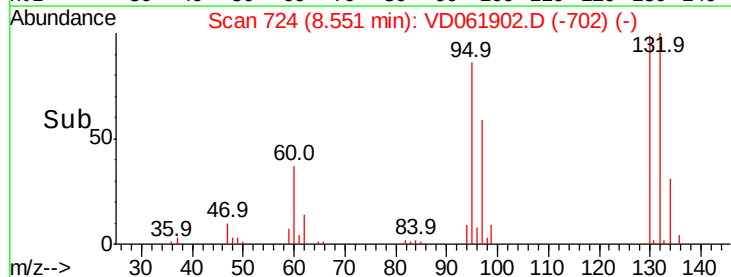
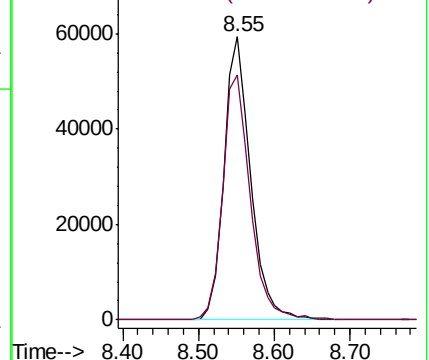
130 100

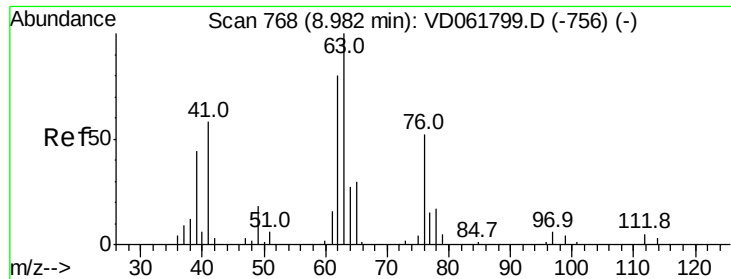
95 86.6 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

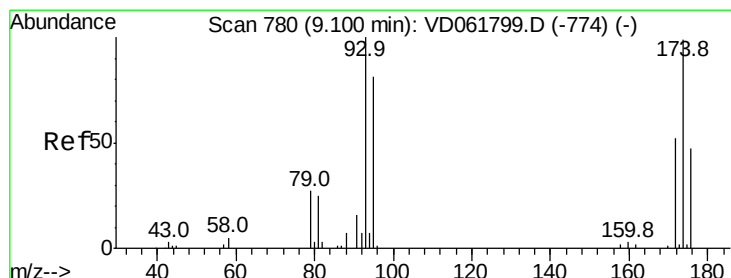
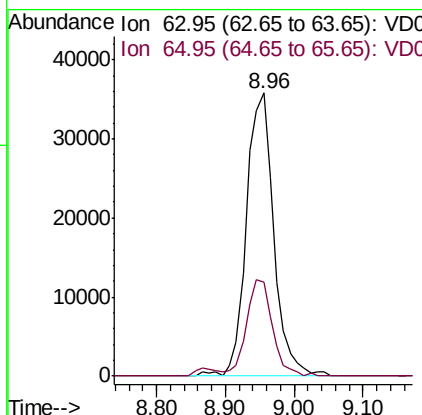
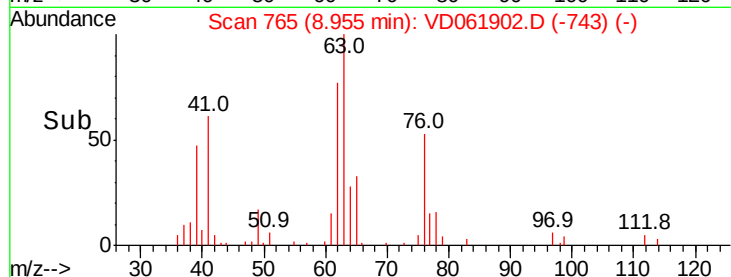
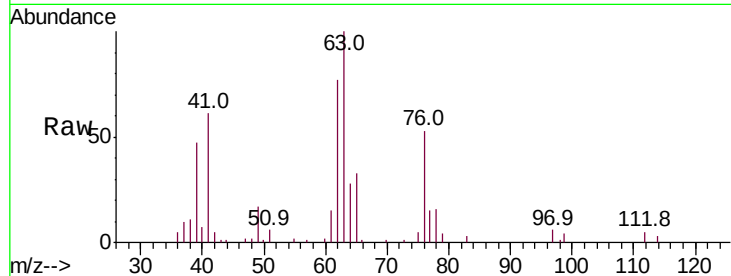




#45
 1,2-Dichloropropane
 Concen: 21.390 ug/l
 RT: 8.96 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

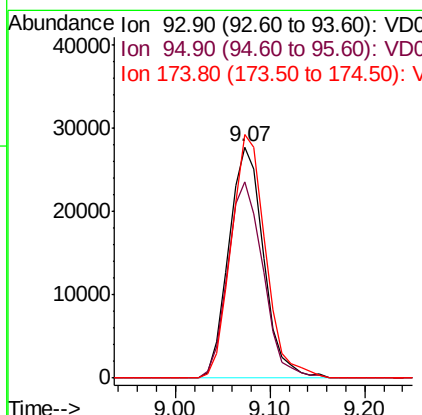
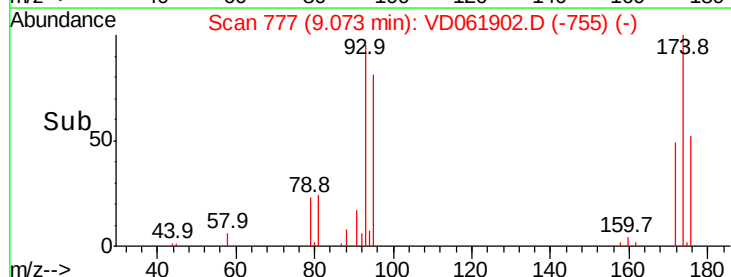
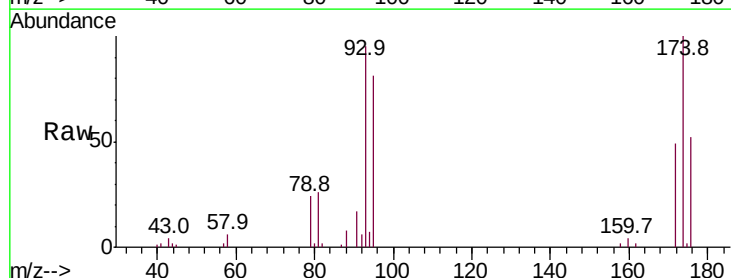
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

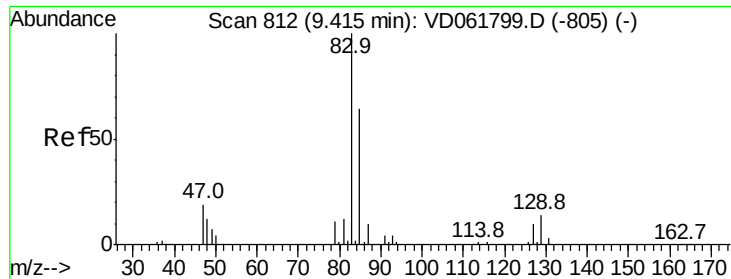
Tot Ion: 63 Resp: 99016
 Ion Ratio Lower Upper
 63 100
 65 33.1 23.8 35.6



#46
 Dibromomethane
 Concen: 21.413 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Tgt Ion: 93 Resp: 70629
 Ion Ratio Lower Upper
 93 100
 95 85.1 64.8 97.2
 174 105.2 79.3 118.9





#47

Bromodichloromethane

Concen: 22.891 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

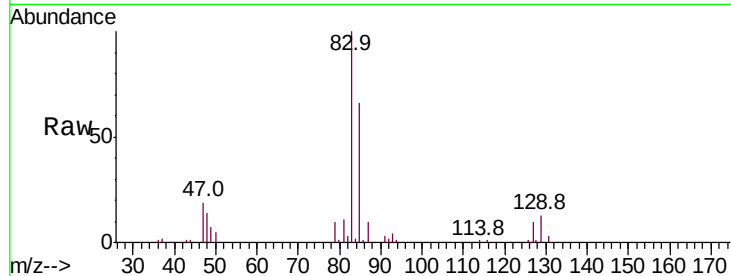
Tot Ion: 83 Resp: 174193

Ion Ratio Lower Upper

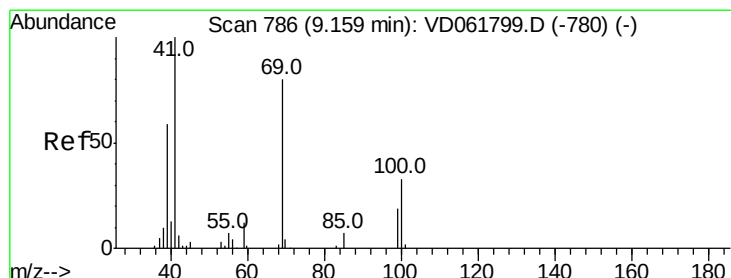
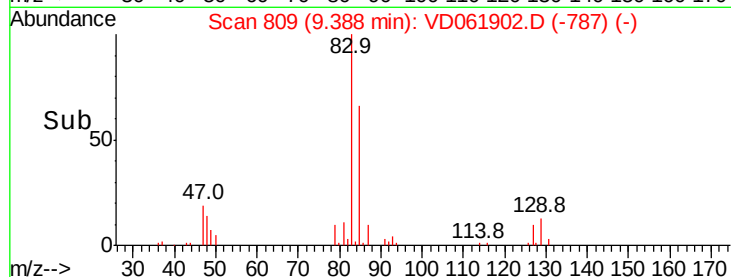
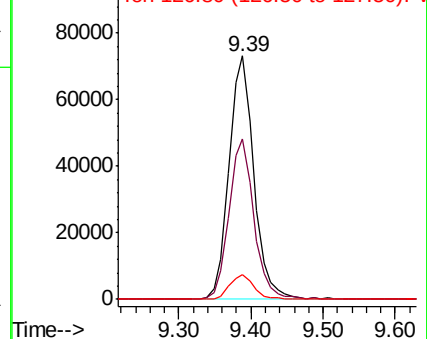
83 100

85 65.6 50.9 76.3

127 10.4 8.1 12.1



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



#48

Methyl methacrylate

Concen: 20.855 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

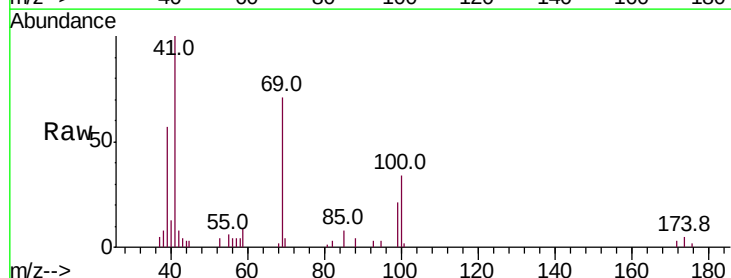
Tgt Ion: 41 Resp: 54656

Ion Ratio Lower Upper

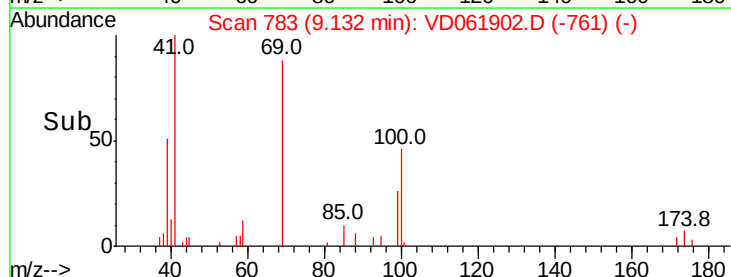
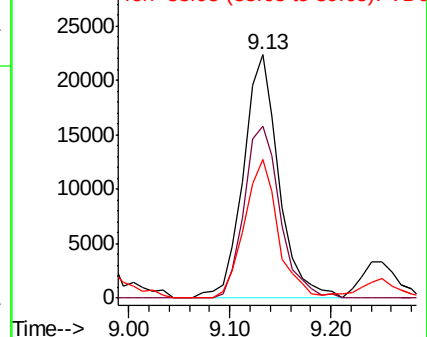
41 100

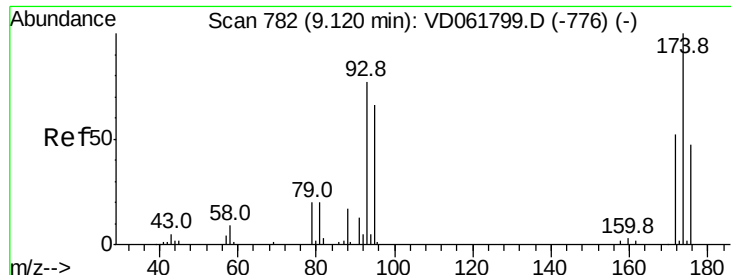
69 70.7 64.2 96.2

39 56.7 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: 437.945 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.01 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

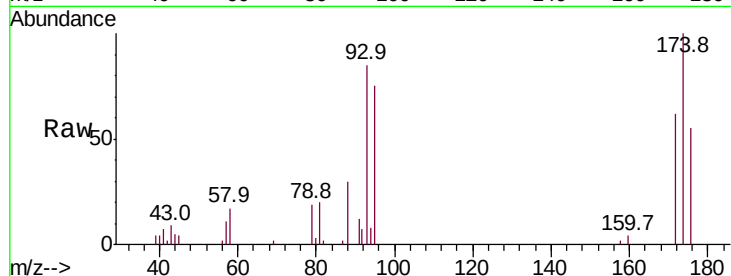
Tot Ion: 88 Resp: 12545

Ion Ratio Lower Upper

88 100

43 30.9 23.4 35.0

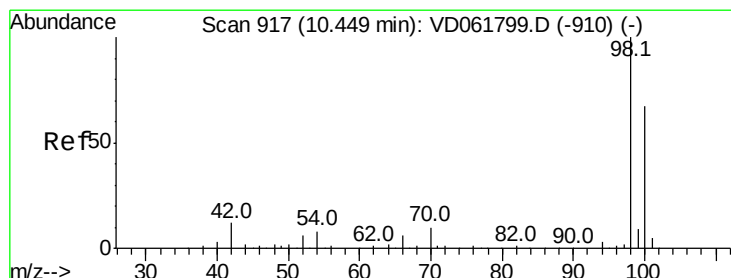
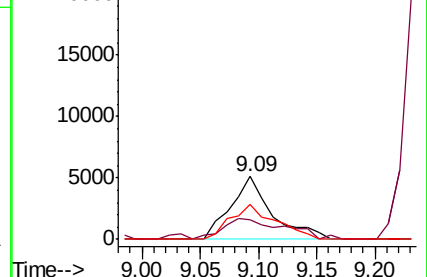
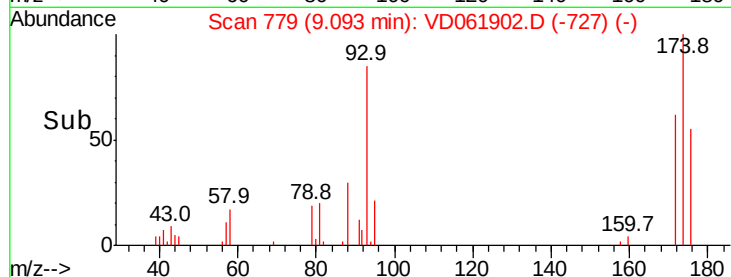
58 55.5 44.0 66.0



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: 437.945 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD061902.D

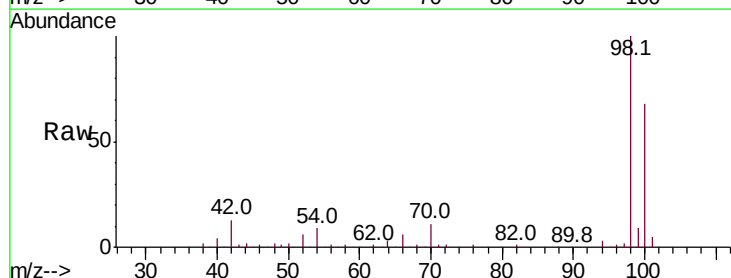
Acq: 19 Apr 2019 9:45

Tgt Ion: 98 Resp: 748277

Ion Ratio Lower Upper

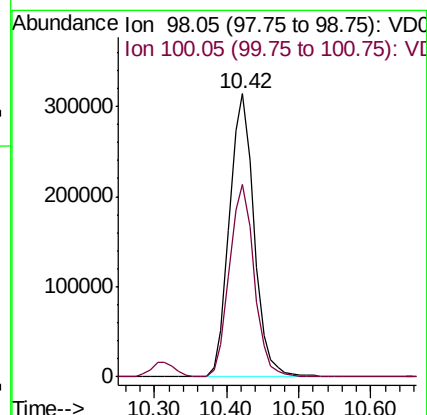
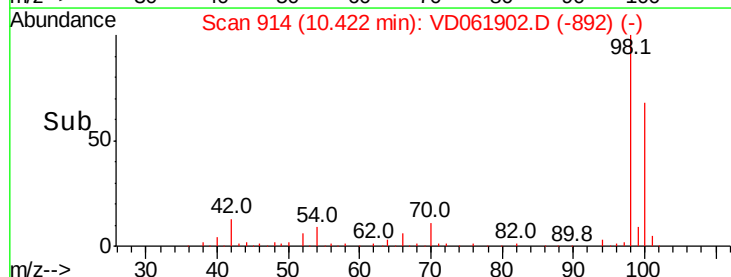
98 100

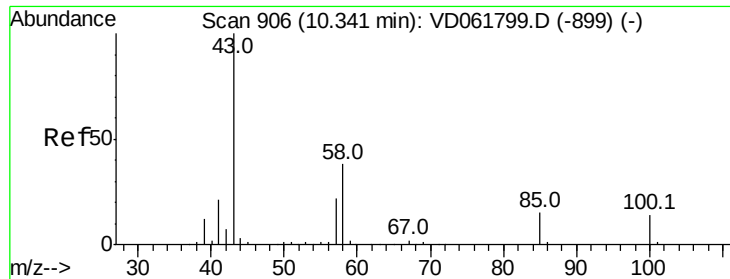
100 67.8 53.8 80.8



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: 116.564 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleID :

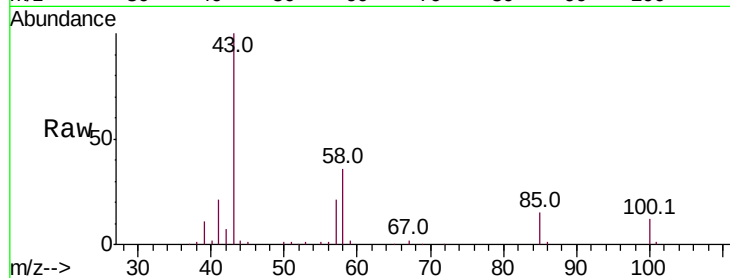
VD0418SBS02

Tot Ion: 43 Resp: 317815

Ion Ratio Lower Upper

43 100

58 35.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

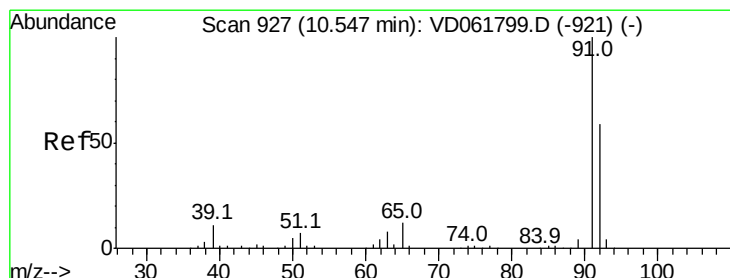
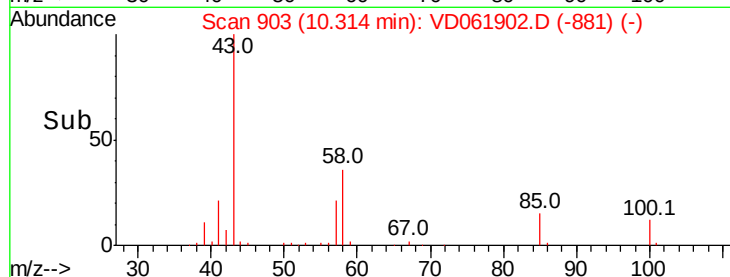
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.158 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD061902.D

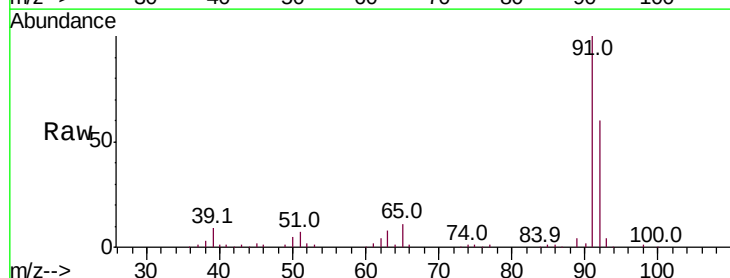
Acq: 19 Apr 2019 9:45

Tgt Ion: 92 Resp: 252350

Ion Ratio Lower Upper

92 100

91 167.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

200000

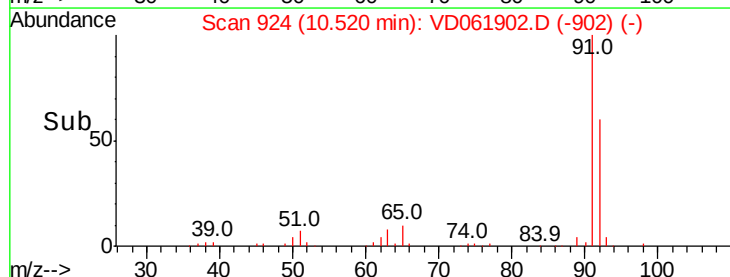
150000

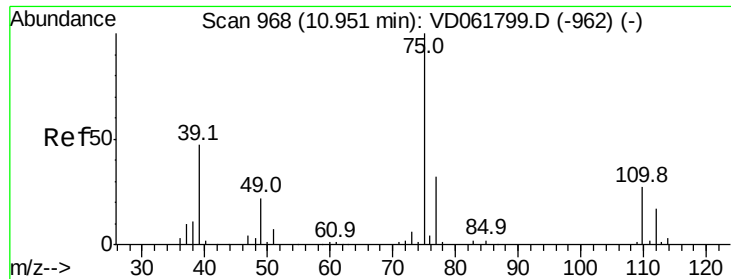
100000

50000

0

Time-->

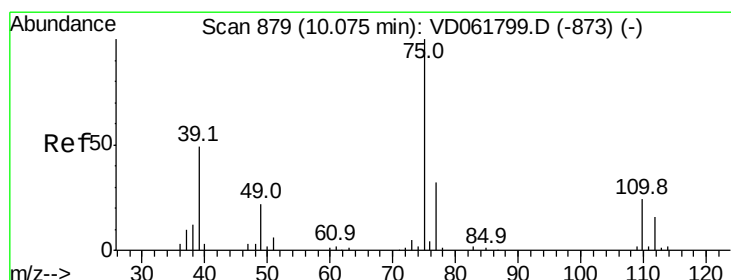
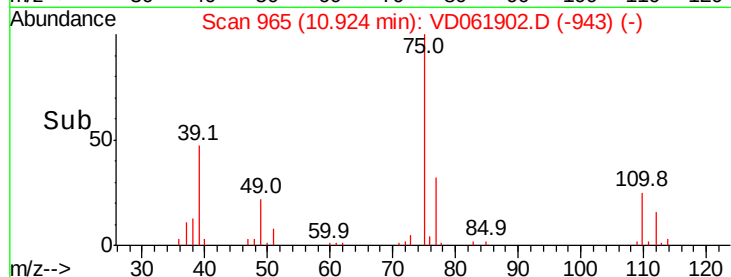
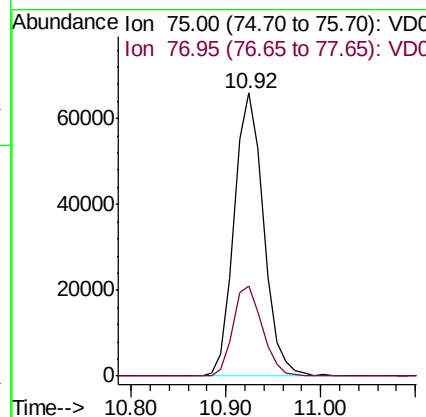
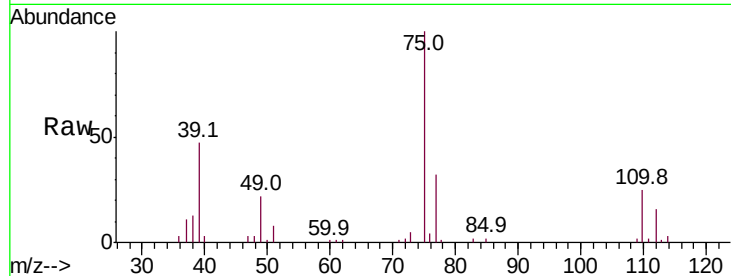




#53
 t-1,3-Dichloropropene
 Concen: 20.642 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

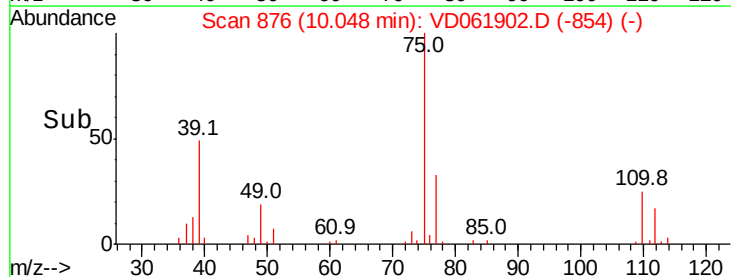
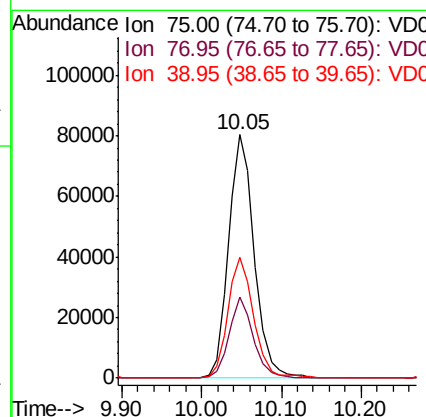
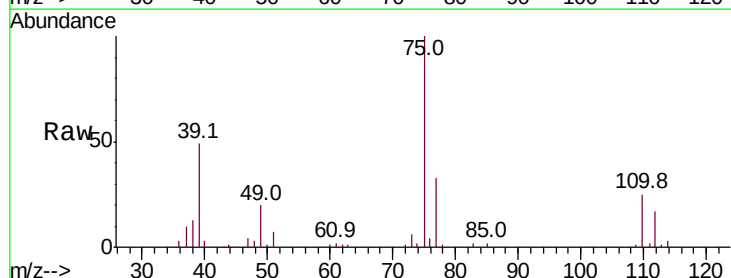
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

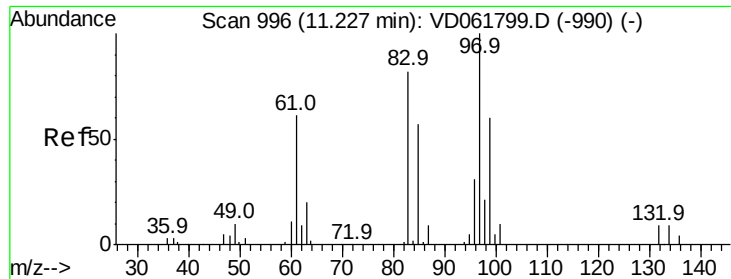
Tot Ion: 75 Resp: 141536
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.587 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Tgt Ion: 75 Resp: 181801
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.5 38.3
 39 49.4 39.4 59.2

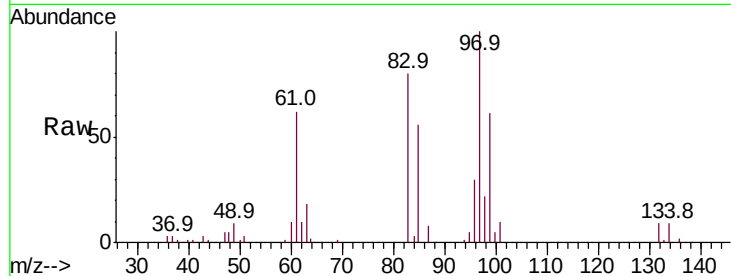




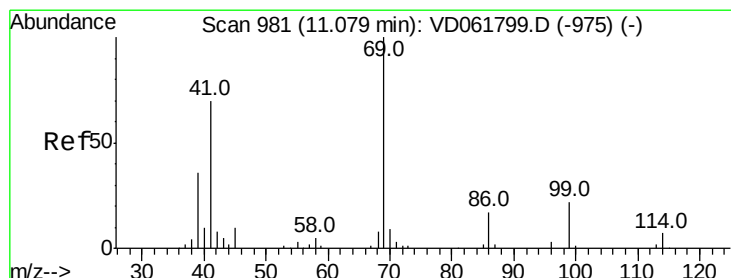
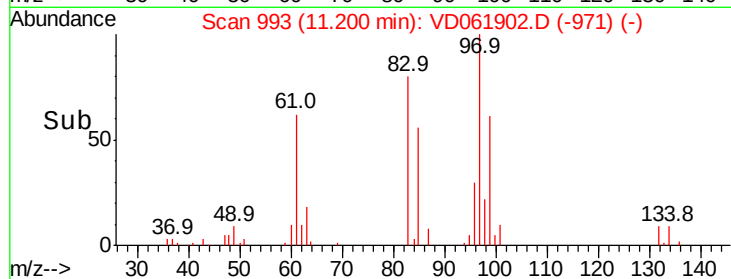
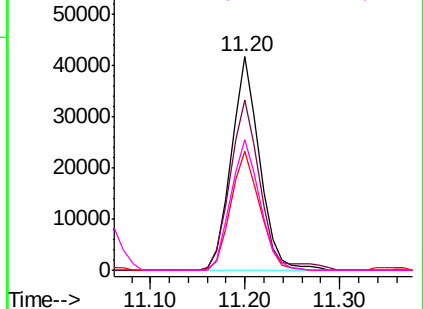
#55
 1,1,2-Trichloroethane
 Concen: 22.484 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBSD02

Tot Ion:	97	Resp:	86286
Ion	Ratio	Lower	Upper
97	100		
83	79.9	65.7	98.5
85	55.8	45.6	68.4
99	61.1	48.4	72.6

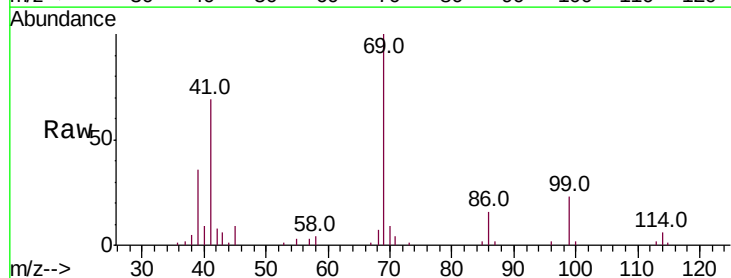


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

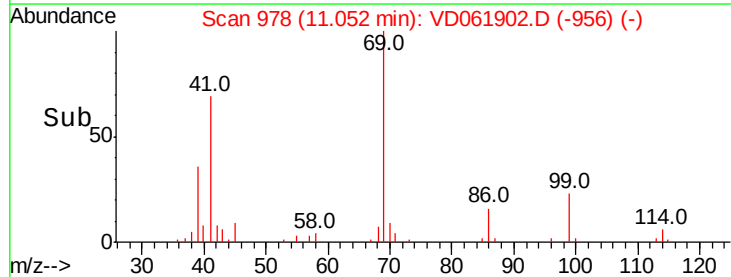
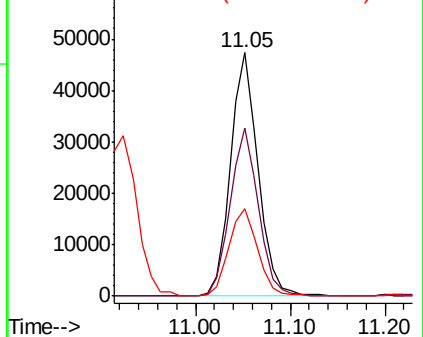


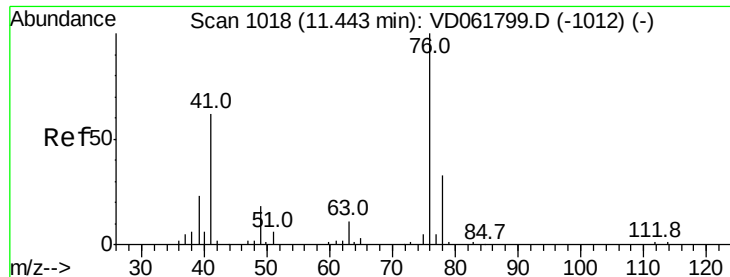
#56
 Ethyl methacrylate
 Concen: 22.585 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Tgt Ion:	69	Resp:	95128
Ion	Ratio	Lower	Upper
69	100		
41	69.2	56.3	84.5
39	36.1	29.4	44.2



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





#57

1,3-Dichloropropane

Concen: 21.730 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

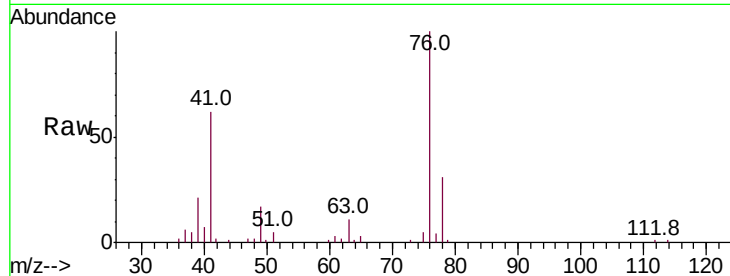
VD0418SBS02

Tot Ion: 76 Resp: 125370

Ion Ratio Lower Upper

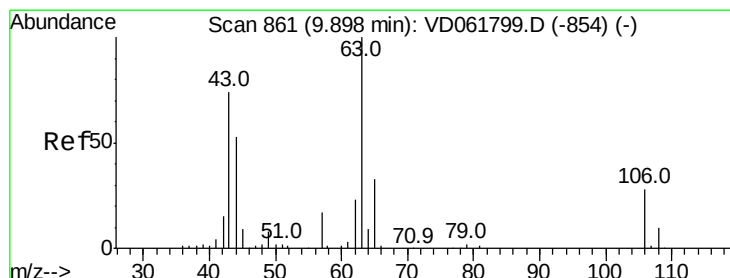
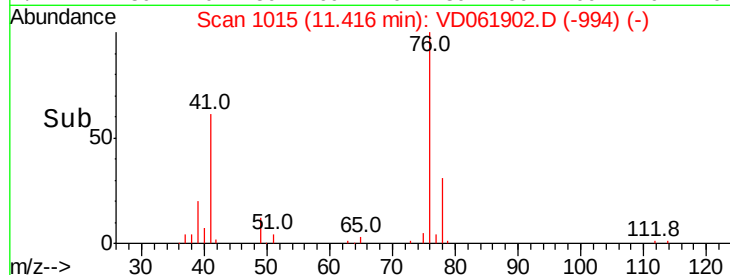
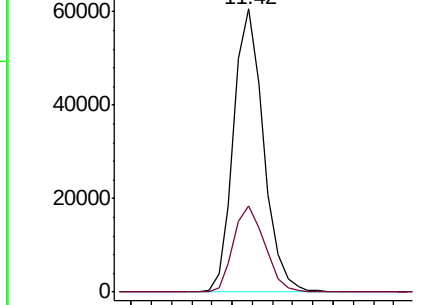
76 100

78 30.6 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 134.252 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD061902.D

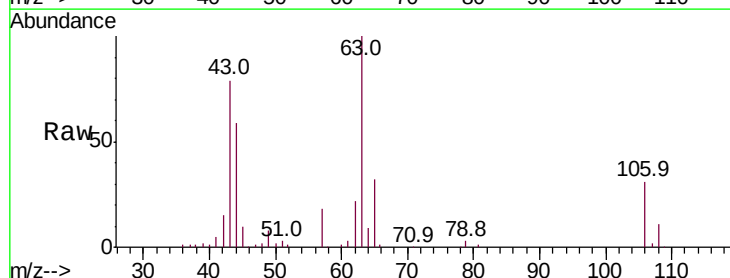
Acq: 19 Apr 2019 9:45

Tgt Ion: 63 Resp: 268957

Ion Ratio Lower Upper

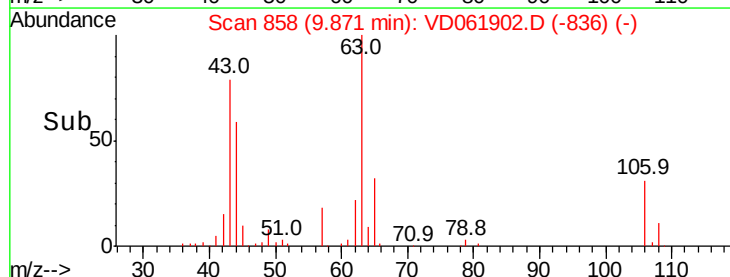
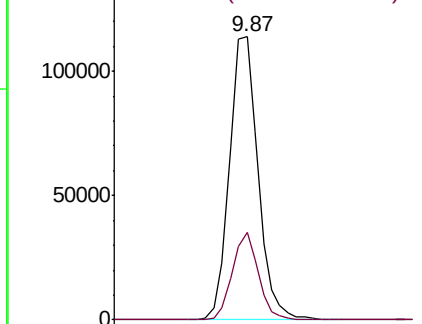
63 100

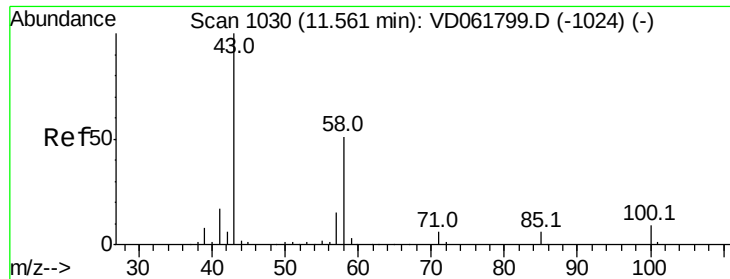
106 31.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

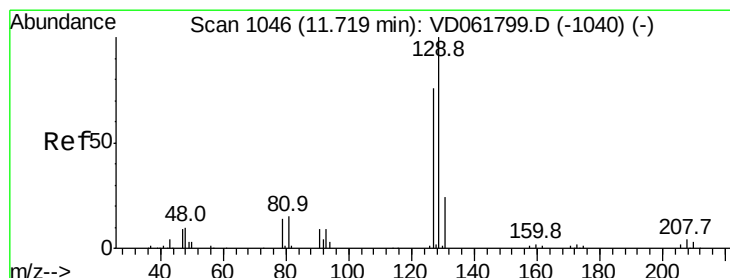
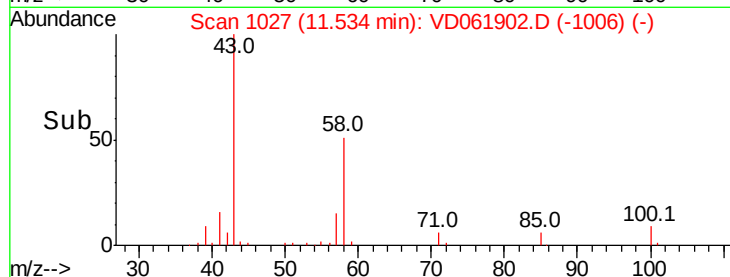
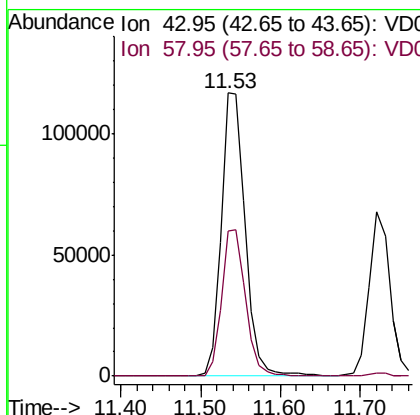
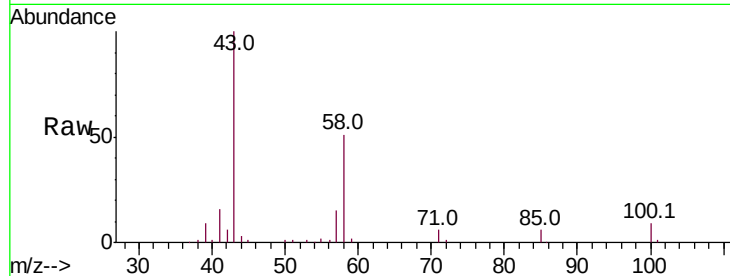




#59
2-Hexanone
Concen: 122.177 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

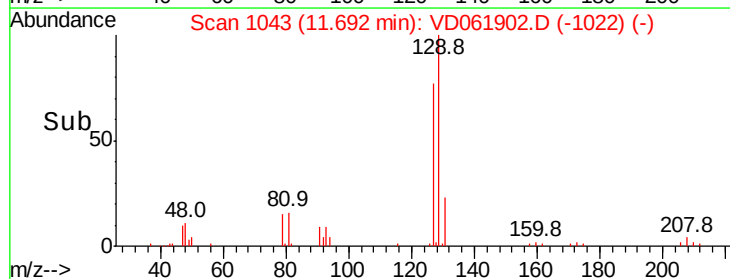
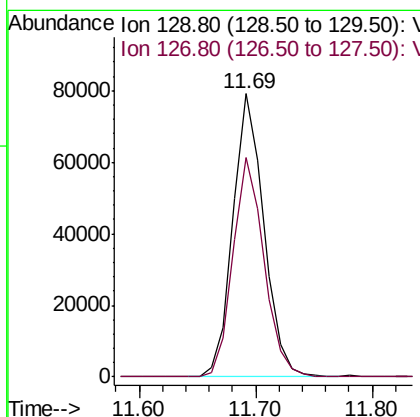
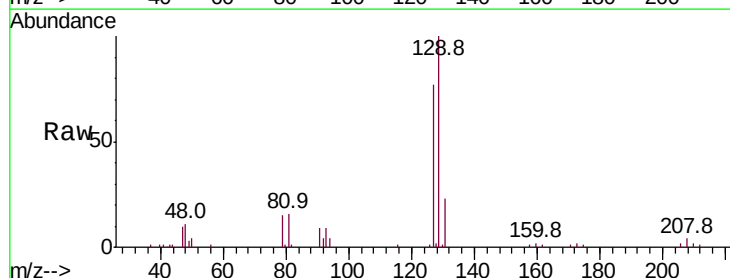
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBSD02

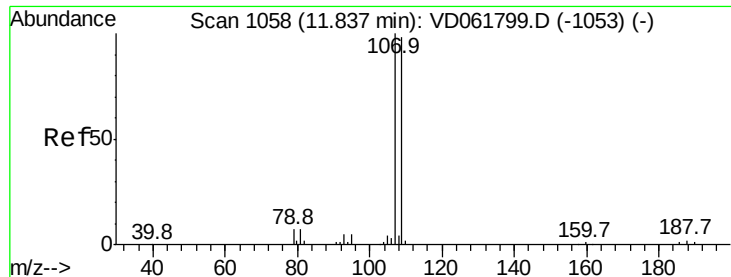
Tot Ion: 43 Resp: 247414
Ion Ratio Lower Upper
43 100
58 51.3 25.4 76.4



#60
Dibromochloromethane
Concen: 23.212 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Tgt Ion: 129 Resp: 145754
Ion Ratio Lower Upper
129 100
127 77.3 38.0 113.9





#61

1,2-Dibromoethane

Concen: 22.489 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

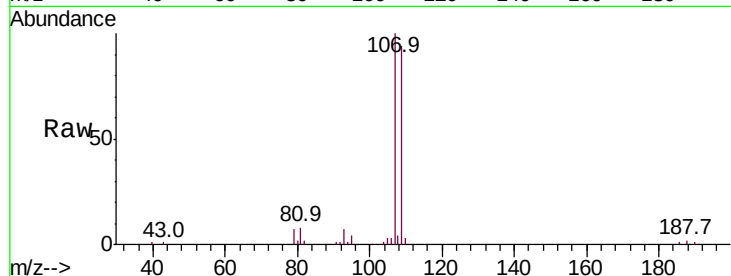
VD0418SBS02

Tot Ion:107 Resp: 106119

Ion Ratio Lower Upper

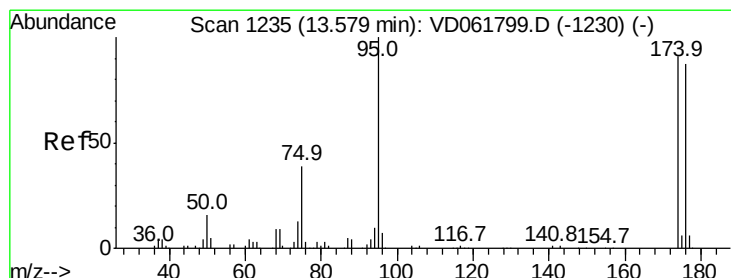
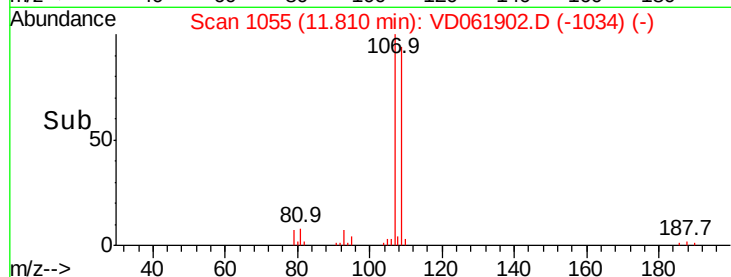
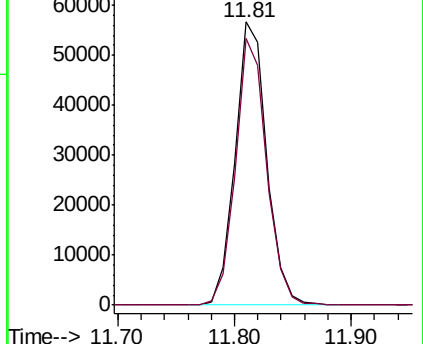
107 100

109 94.3 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.489 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

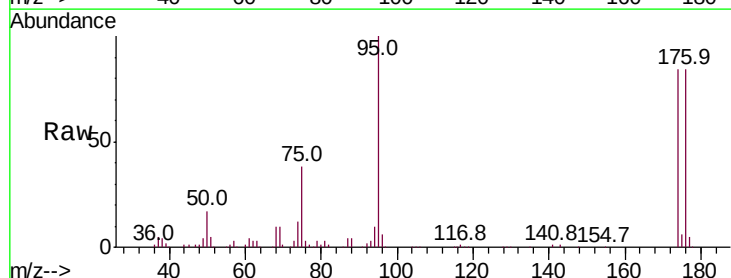
Tgt Ion: 95 Resp: 319796

Ion Ratio Lower Upper

95 100

174 83.8 0.0 181.8

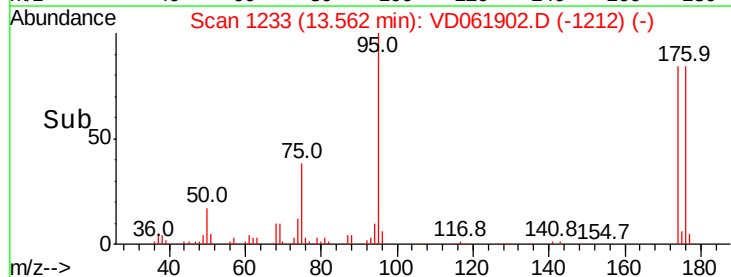
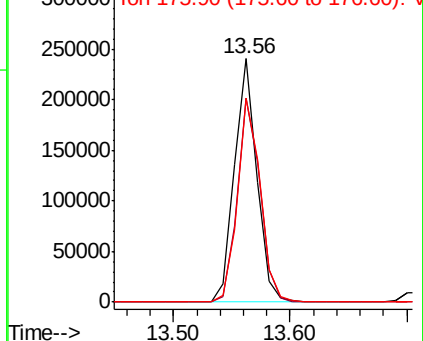
176 83.6 0.0 174.4

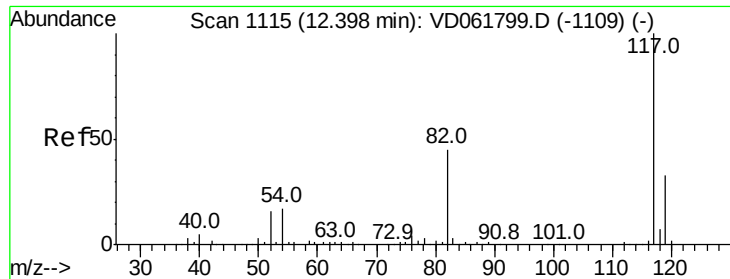


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

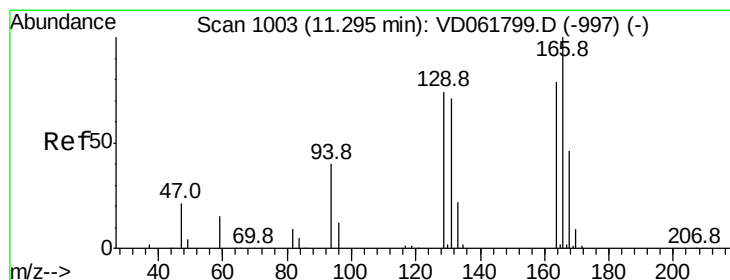
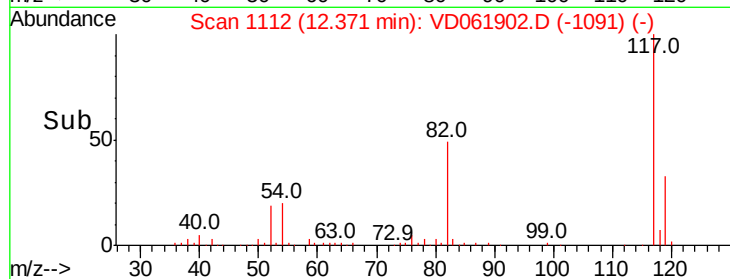
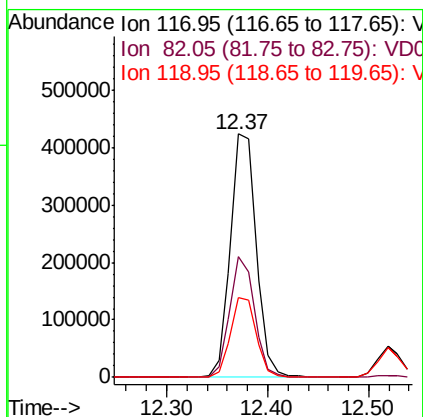
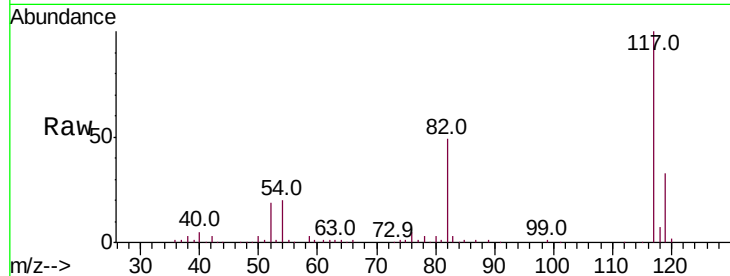




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

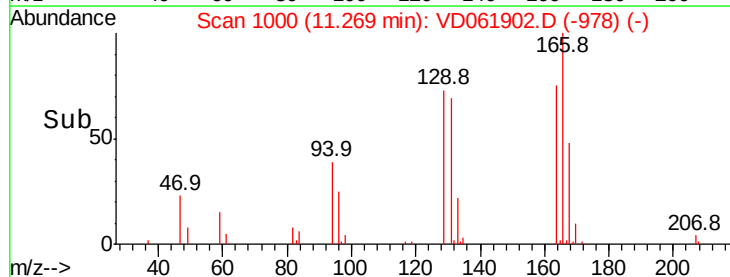
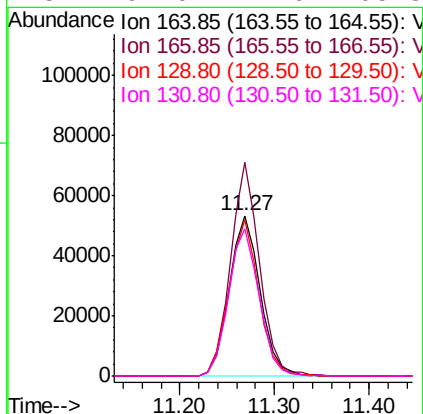
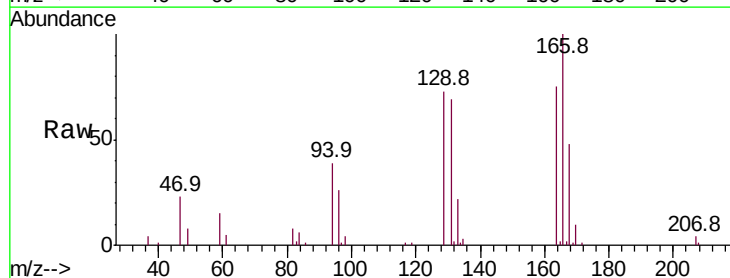
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

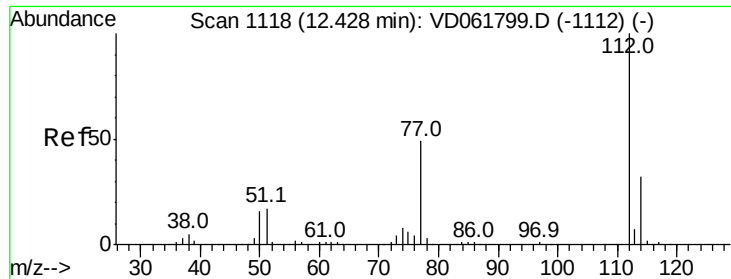
Tot Ion:117 Resp: 754981
Ion Ratio Lower Upper
117 100
82 49.4 36.2 54.2
119 32.6 26.2 39.4



#64
Tetrachloroethene
Concen: 21.106 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Tgt Ion:164 Resp: 119501
Ion Ratio Lower Upper
164 100
166 133.1 101.5 152.3
129 96.9 74.6 112.0
131 92.0 72.6 108.8

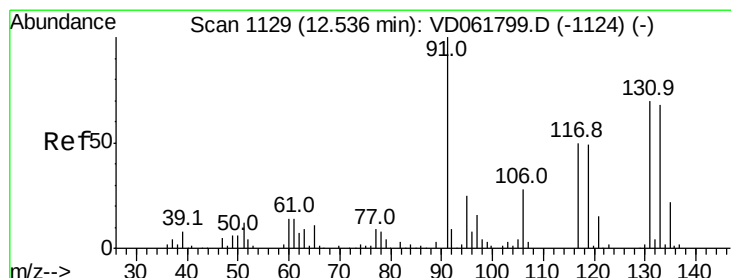
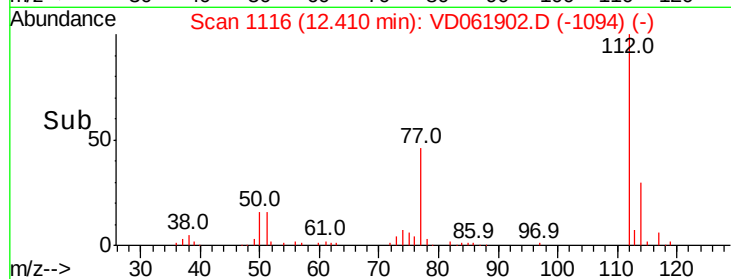
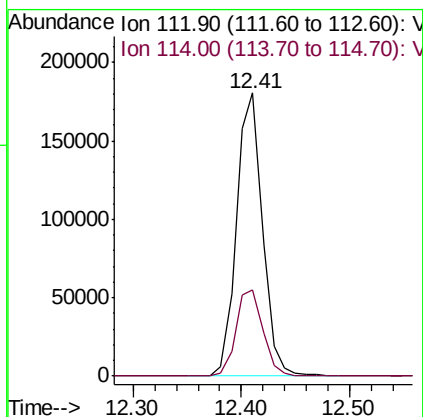
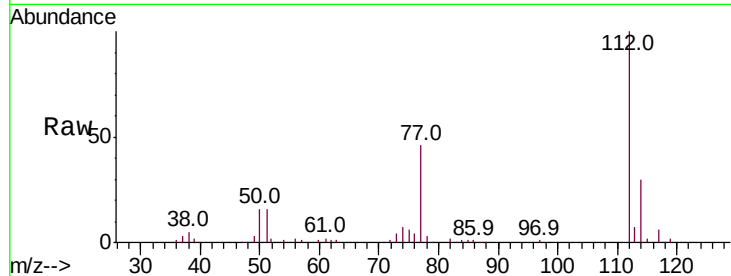




#65
Chlorobenzene
Concen: 21.413 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

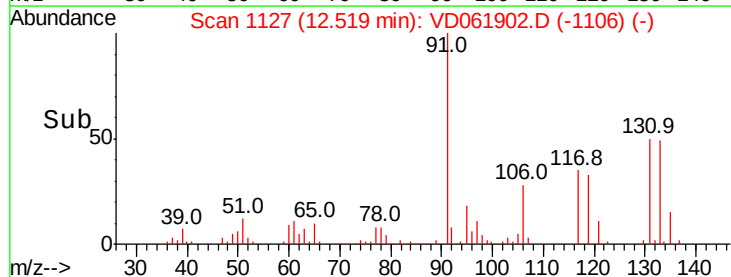
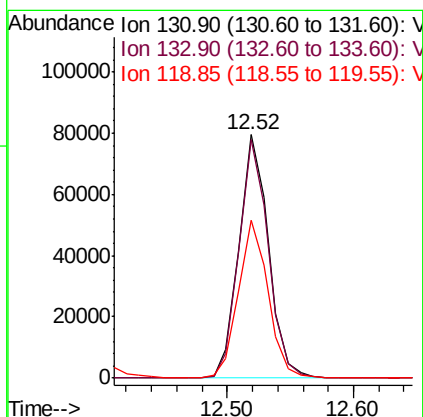
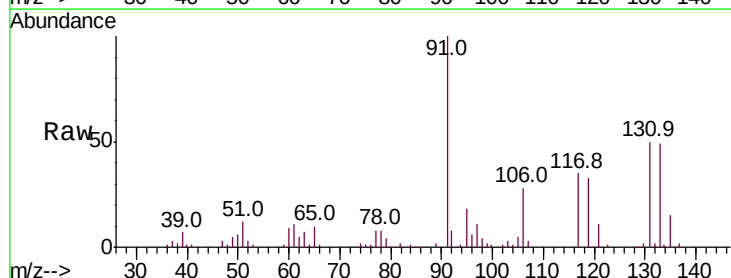
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

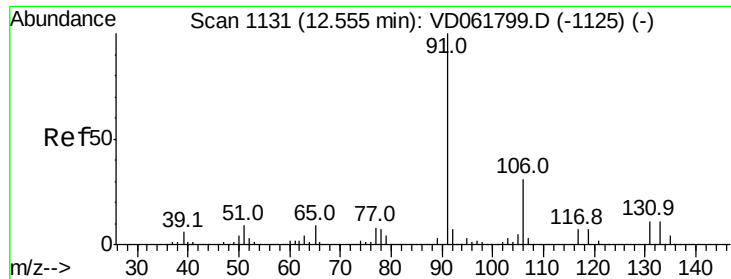
Tot Ion:112 Resp: 301068
Ion Ratio Lower Upper
112 100
114 30.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.867 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Tgt Ion:131 Resp: 128846
Ion Ratio Lower Upper
131 100
133 97.9 48.6 145.8
119 65.0 34.7 104.1

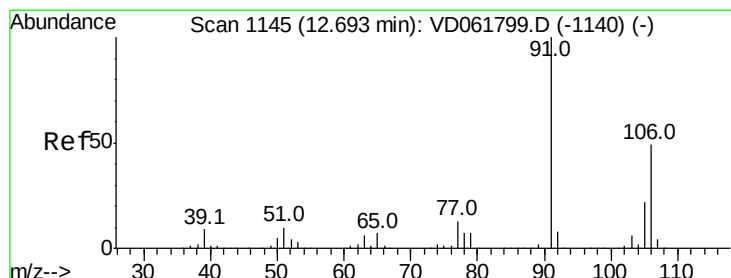
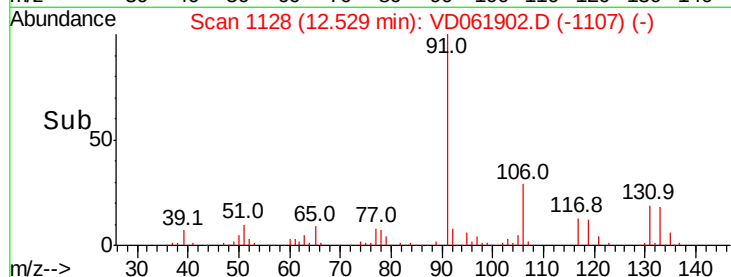
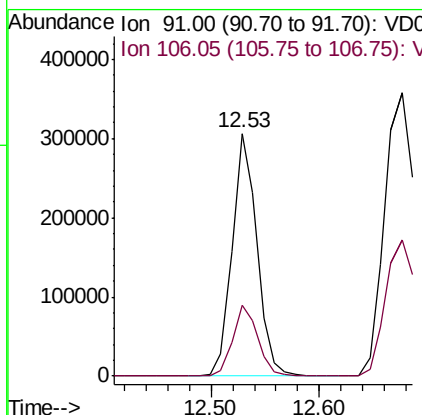
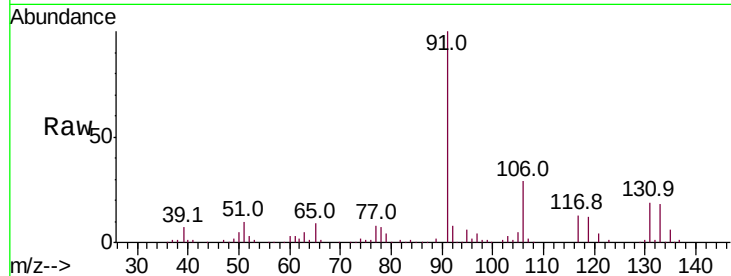




#67
Ethyl Benzene
Concen: 21.660 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

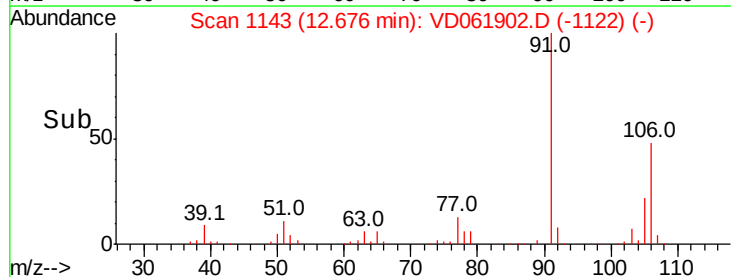
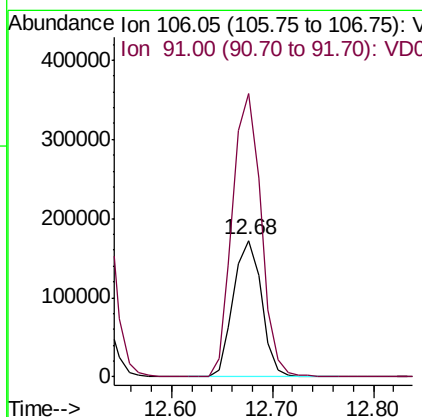
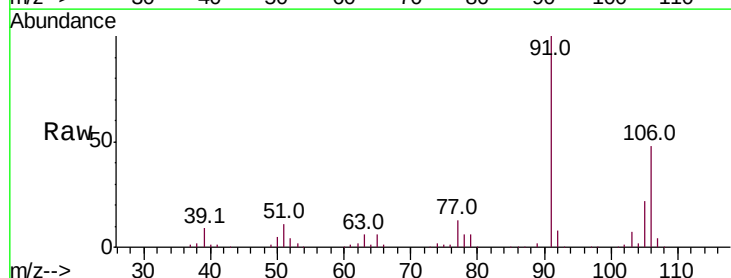
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

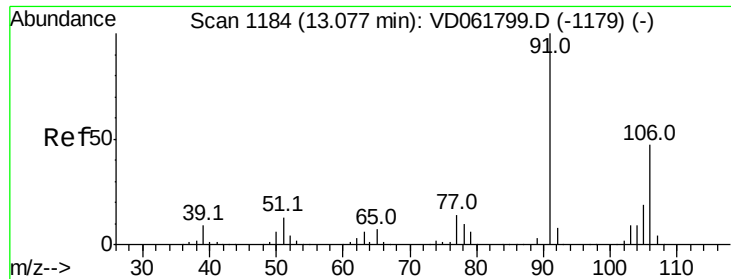
Tot Ion: 91 Resp: 487709
Ion Ratio Lower Upper
91 100
106 29.5 24.7 37.1



#68
m/p-Xylenes
Concen: 40.036 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Tgt Ion: 106 Resp: 338626
Ion Ratio Lower Upper
106 100
91 207.0 164.0 246.0

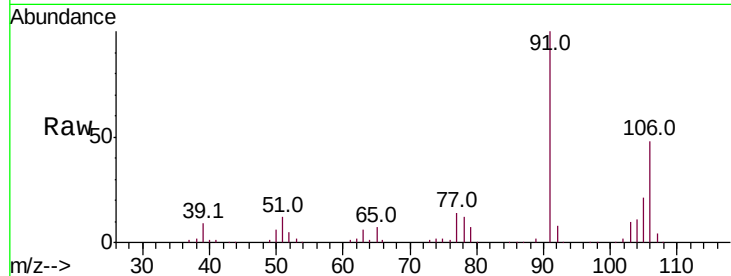




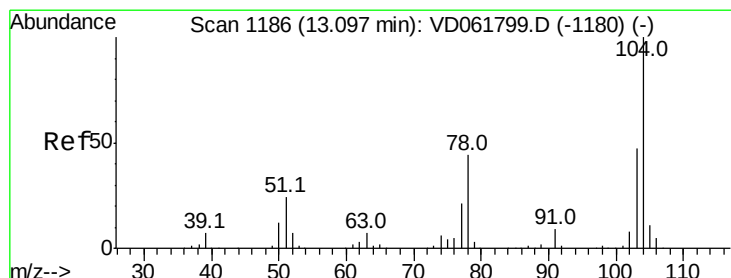
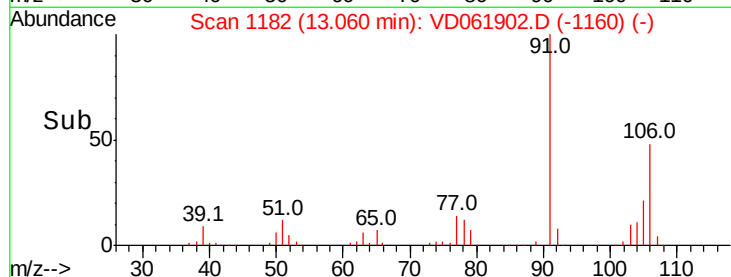
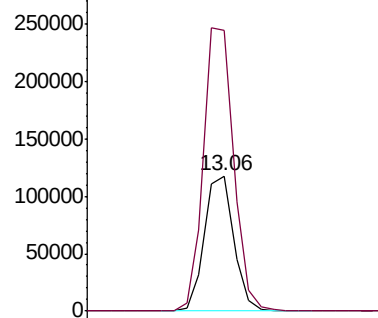
#69
o-Xylene
Concen: 23.800 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Instrument :
MSVOA_D
ClientSampleID :
VD0418SBSD02

Tot Ion:106 Resp: 189208
Ion Ratio Lower Upper
106 100
91 207.8 106.7 319.9

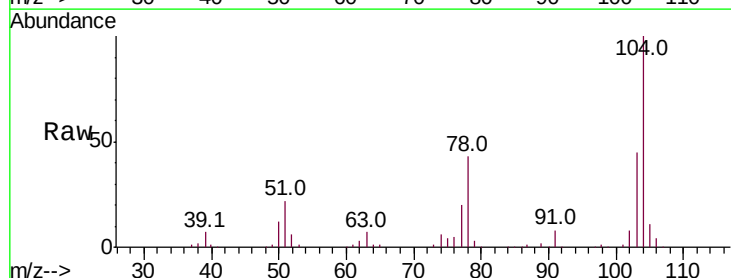


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

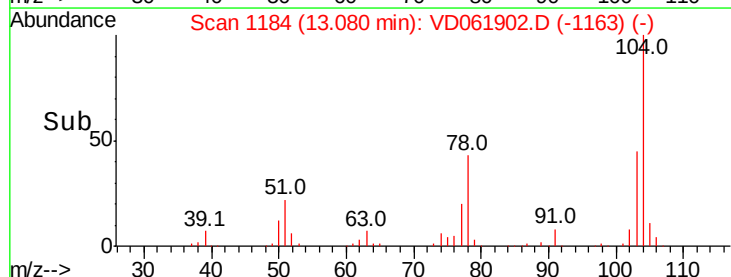
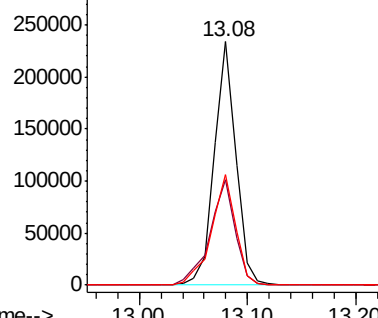


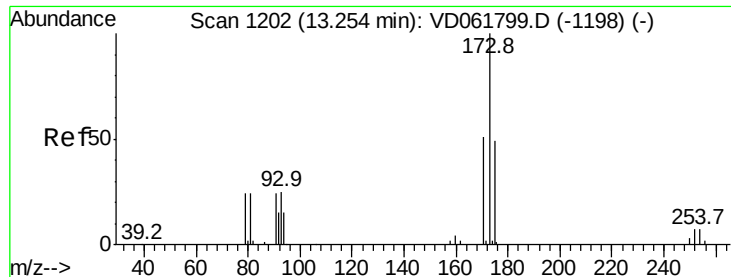
#70
Styrene
Concen: 23.702 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Tgt Ion:104 Resp: 324249
Ion Ratio Lower Upper
104 100
78 43.3 35.4 53.2
103 45.5 37.5 56.3



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

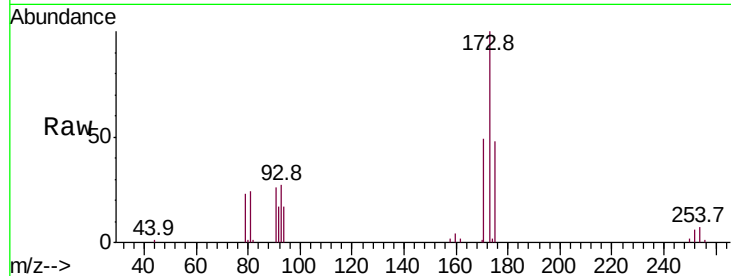




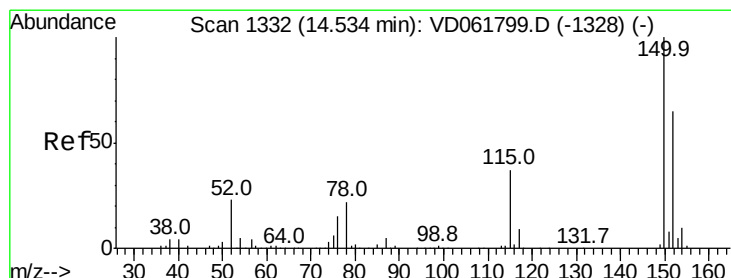
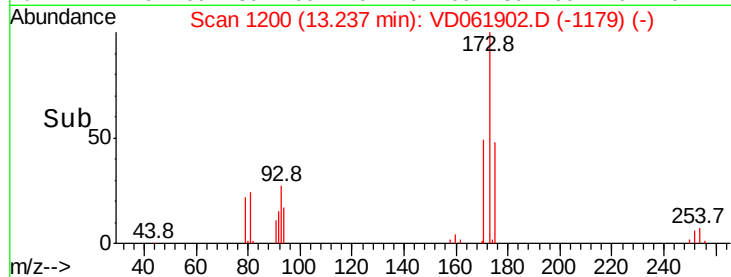
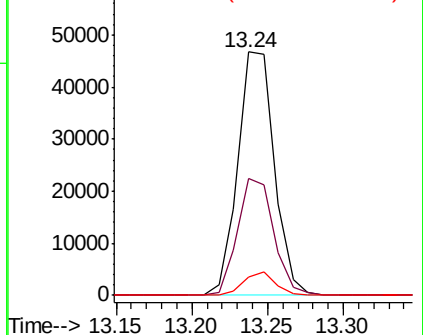
#71
Bromoform
Concen: 22.355 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

Tot Ion:173 Resp: 78186
Ion Ratio Lower Upper
173 100
175 47.9 24.4 73.4
254 7.3 5.4 8.2

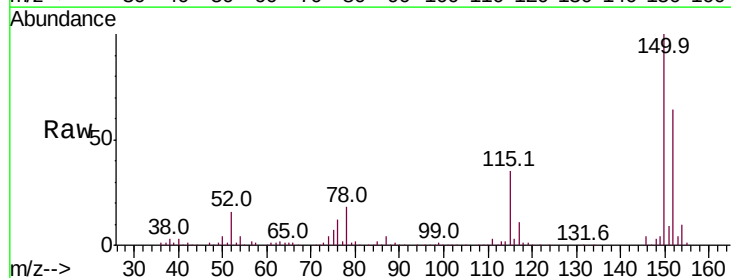


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

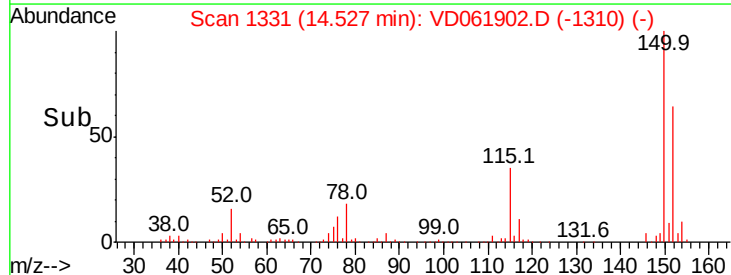
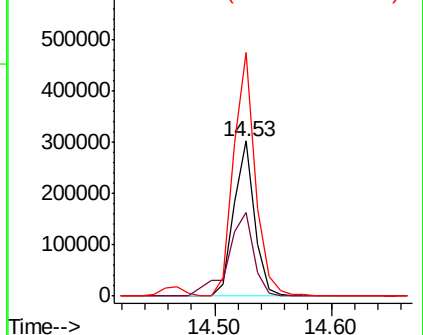


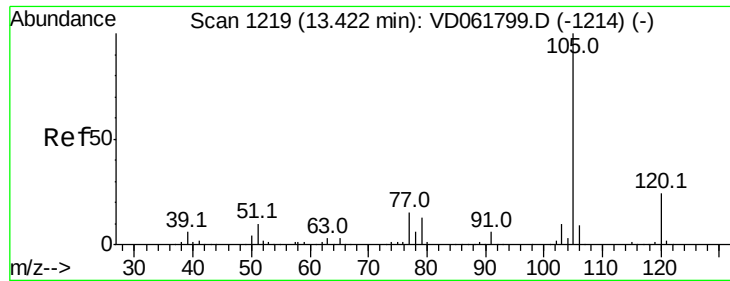
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Tgt Ion:152 Resp: 371574
Ion Ratio Lower Upper
152 100
115 54.2 30.9 92.7
150 157.1 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: 20.083 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

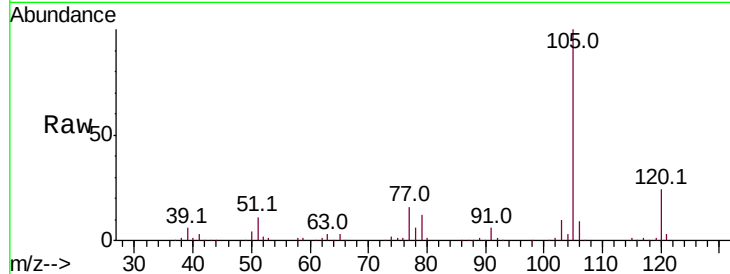
VD0418SBS02

Tot Ion:105 Resp: 483953

Ion Ratio Lower Upper

105 100

120 23.7 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

300000

200000

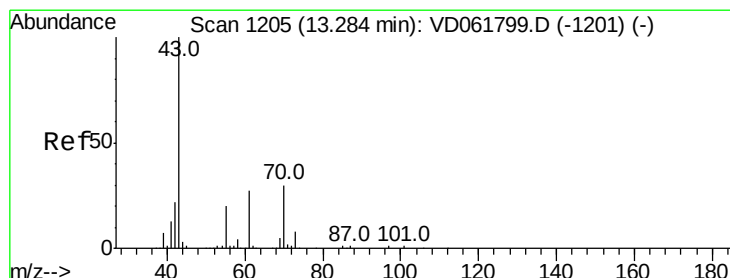
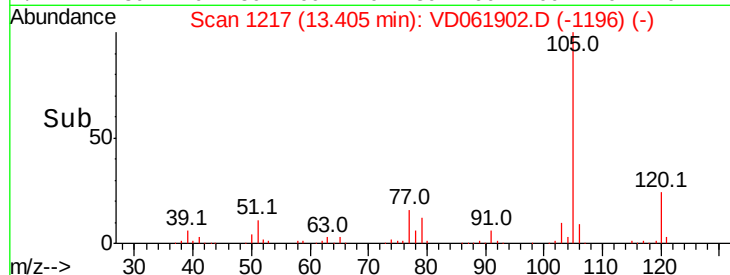
100000

0

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 21.219 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Tgt Ion: 43 Resp: 137500

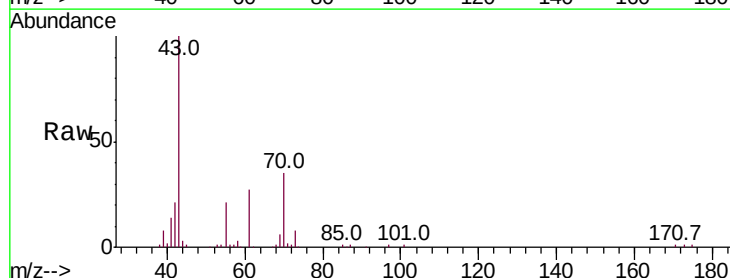
Ion Ratio Lower Upper

43 100

70 35.1 24.2 36.4

55 21.1 16.0 24.0

61 27.0 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

100000

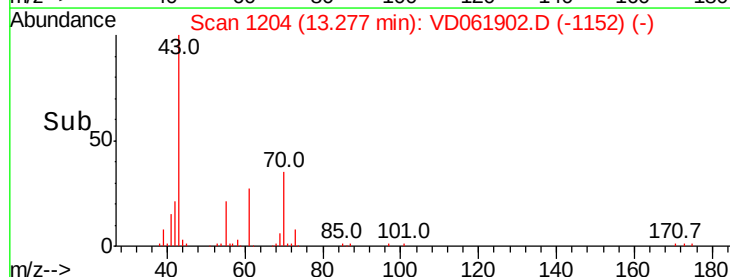
50000

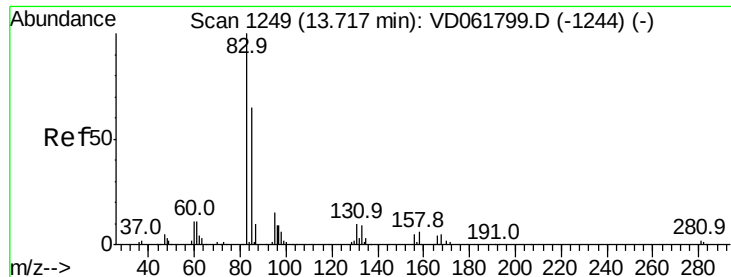
0

13.28

13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.393 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

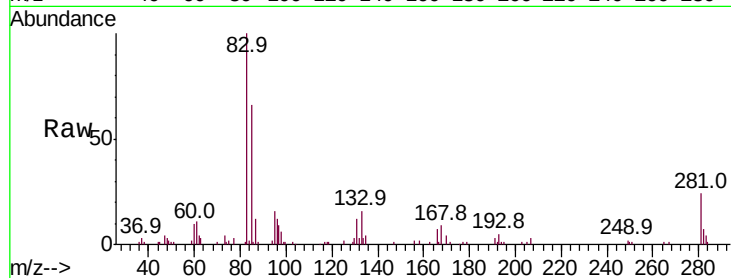
Tot Ion: 83 Resp: 101900

Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.0	14.9
85	66.0	32.6	97.7

83 100

131 11.7 5.0 14.9

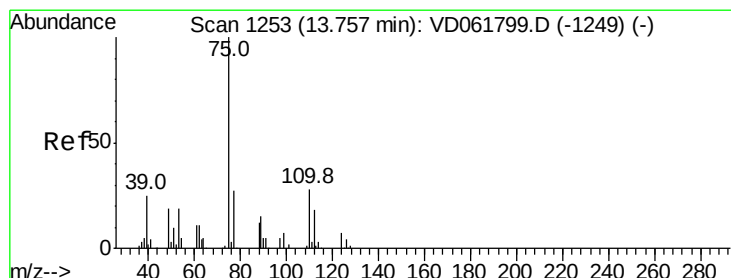
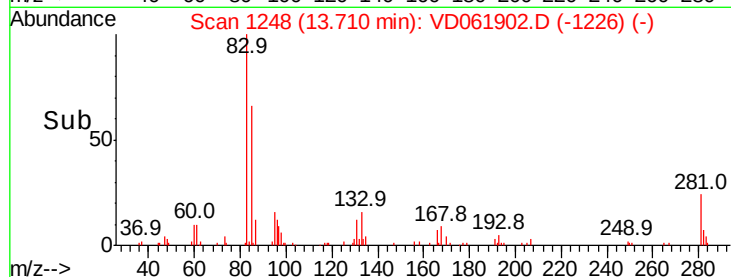
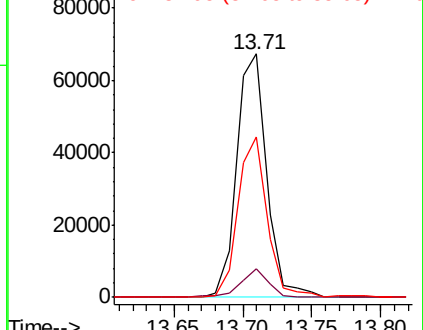
85 66.0 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.356 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD061902.D

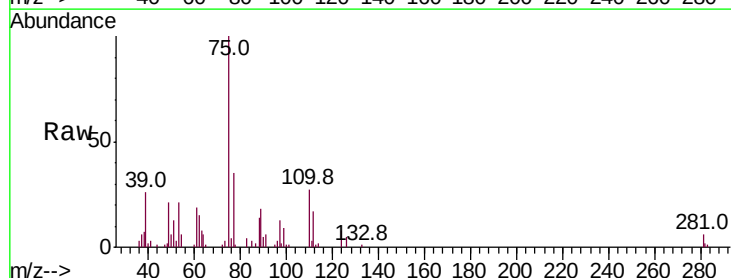
Acq: 19 Apr 2019 9:45

Tgt Ion: 75 Resp: 99334

Ion	Ratio	Lower	Upper
75	100		
77	35.0	16.4	49.4

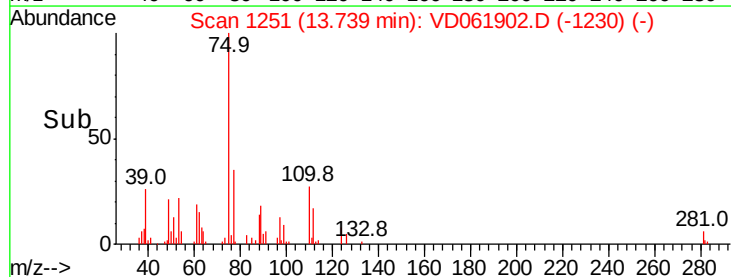
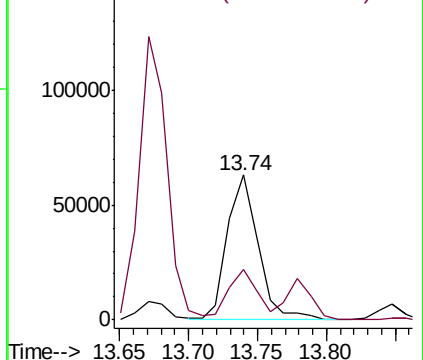
75 100

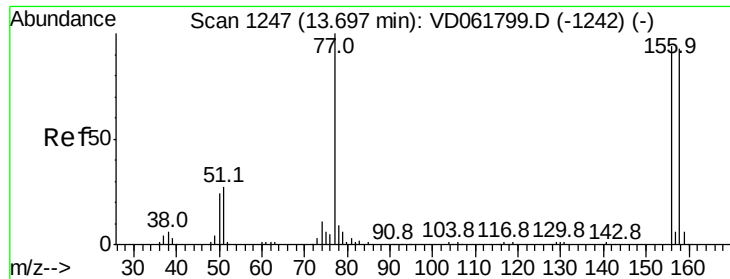
77 35.0 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.087 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBSD02

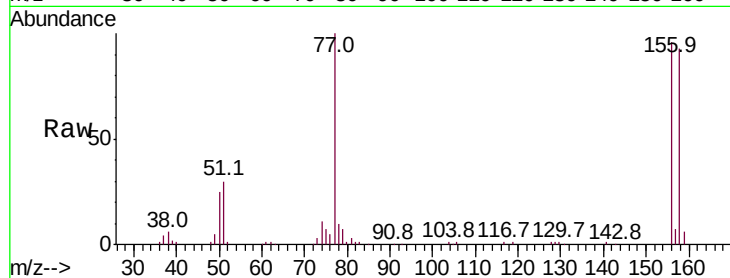
Tot Ion:156 Resp: 137500

Ion Ratio Lower Upper

156 100

77 104.1 53.1 159.4

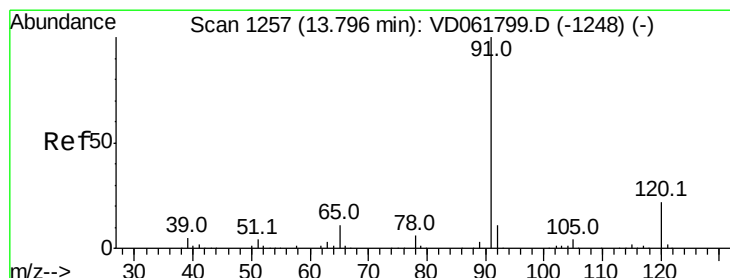
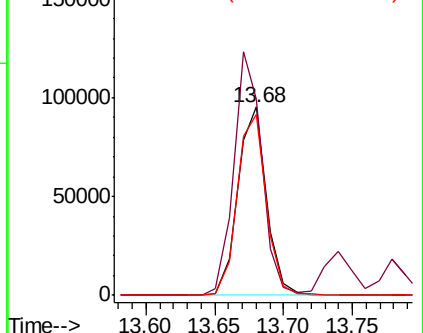
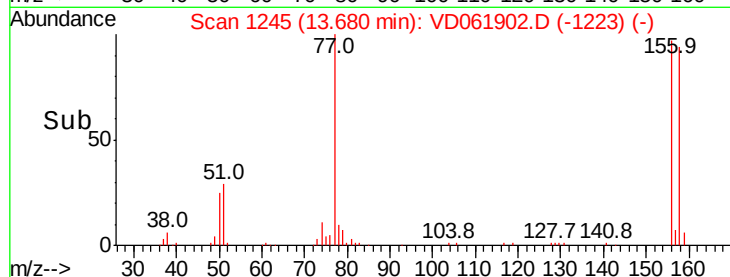
158 96.5 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.609 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061902.D

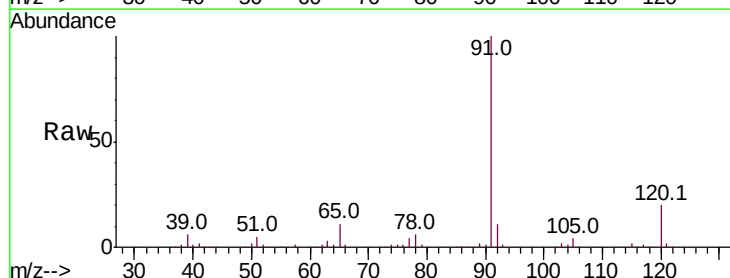
Acq: 19 Apr 2019 9:45

Tgt Ion: 91 Resp: 601616

Ion Ratio Lower Upper

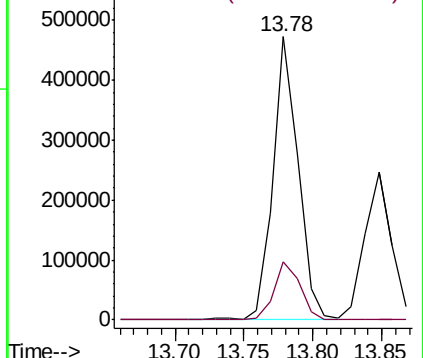
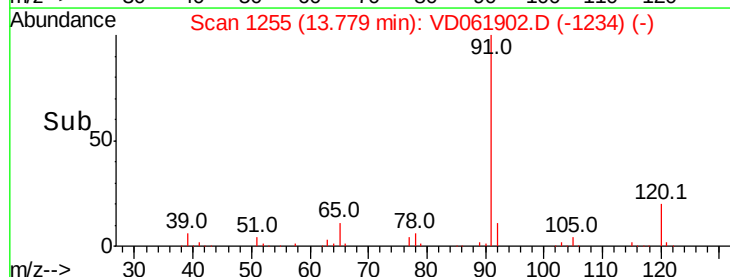
91 100

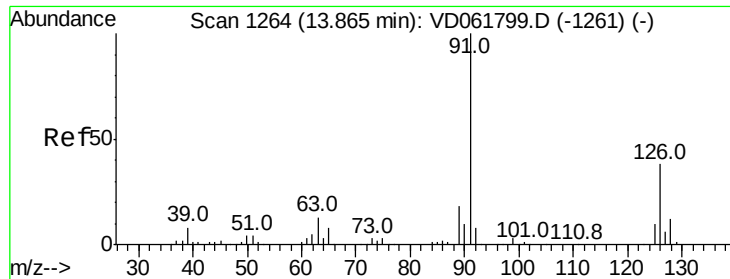
120 20.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

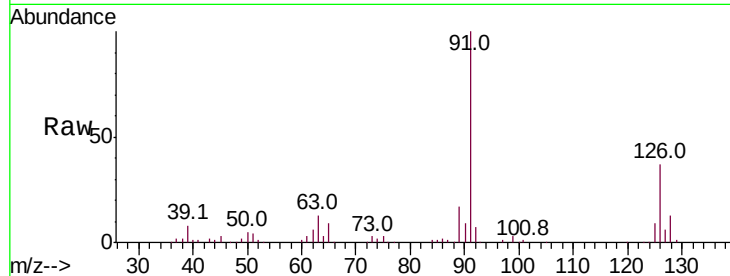




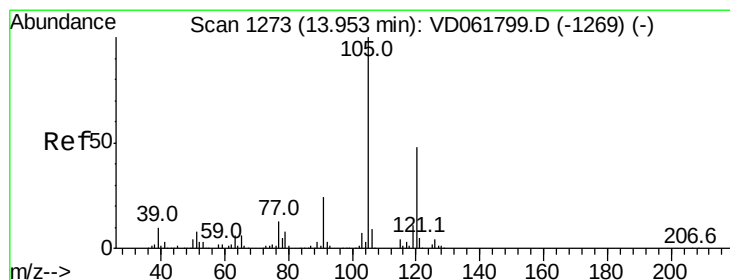
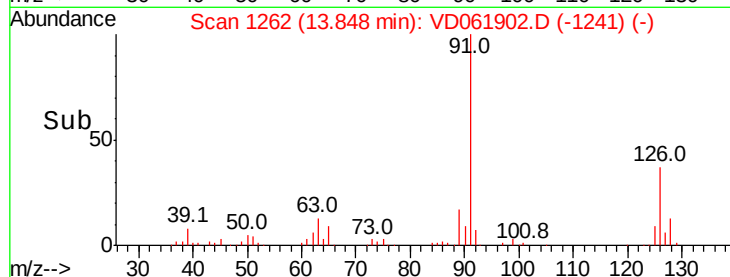
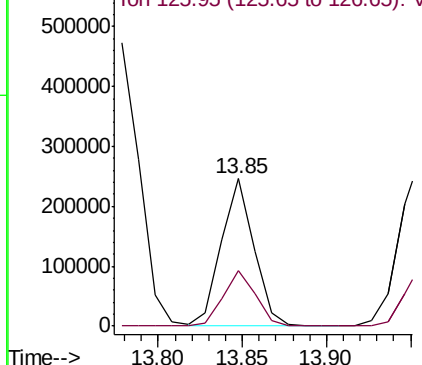
#79
 2-Chlorotoluene
 Concen: 20.381 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBSD02

Tot Ion: 91 Resp: 331474
 Ion Ratio Lower Upper
 91 100
 126 37.4 18.6 55.8

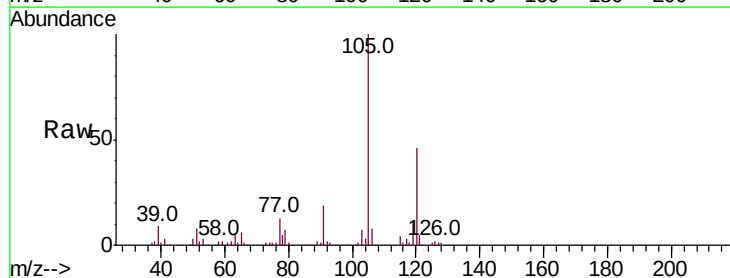


Abundance Ion 91.00 (90.70 to 91.70): VD061799.D (-1261) (-)
 Ion 125.95 (125.65 to 126.65): VD061799.D (-1261) (-)

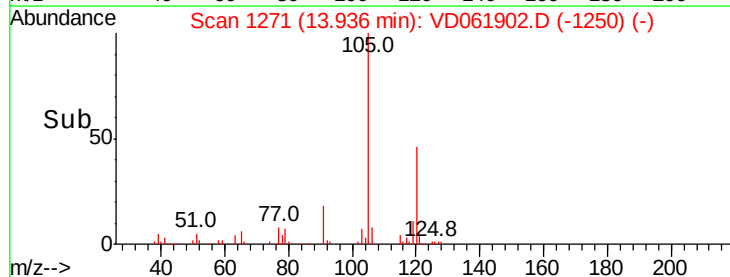
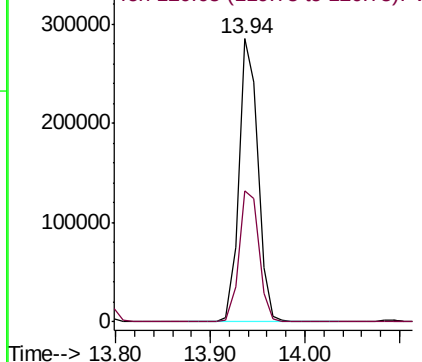


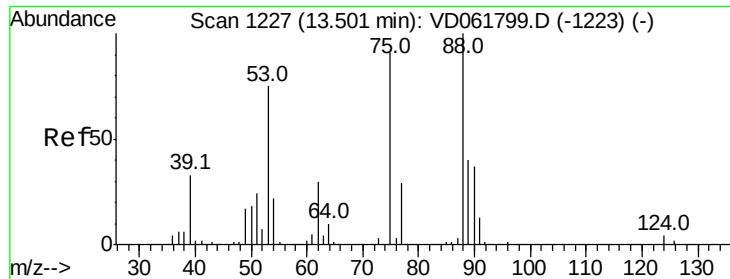
#80
 1,3,5-Trimethylbenzene
 Concen: 20.728 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Tgt Ion:105 Resp: 396340
 Ion Ratio Lower Upper
 105 100
 120 46.4 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061799.D (-1269) (-)
 Ion 120.05 (119.75 to 120.75): VD061799.D (-1269) (-)

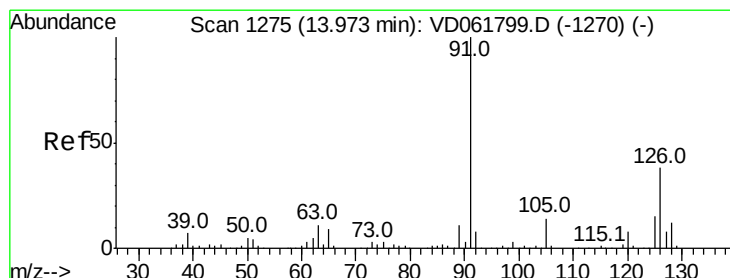
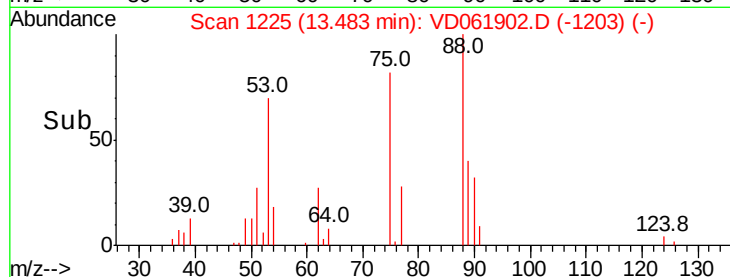
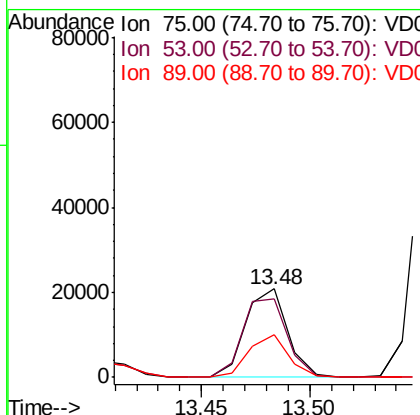
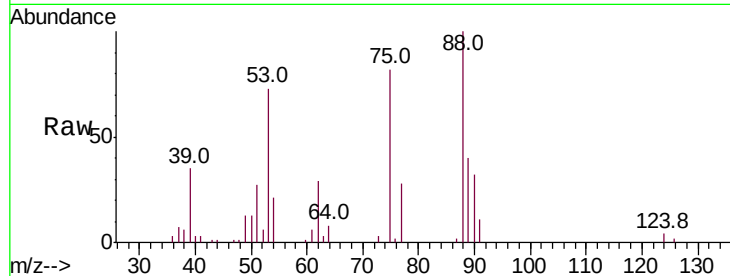




#81
trans-1,4-Dichloro-2-butene
Concen: 20.128 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

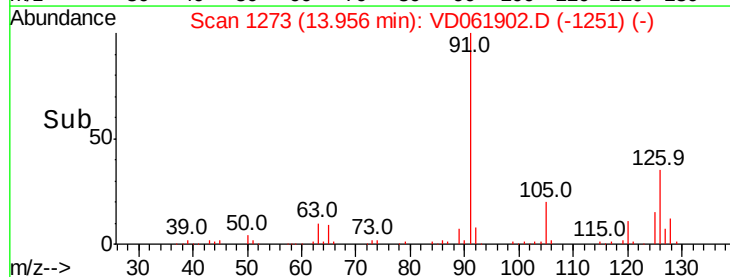
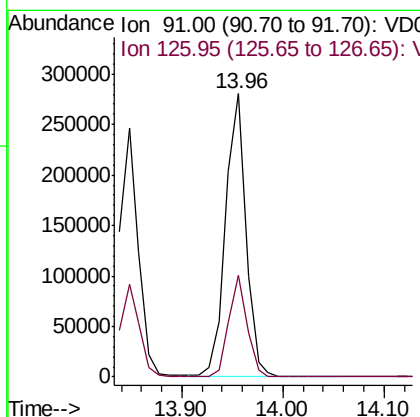
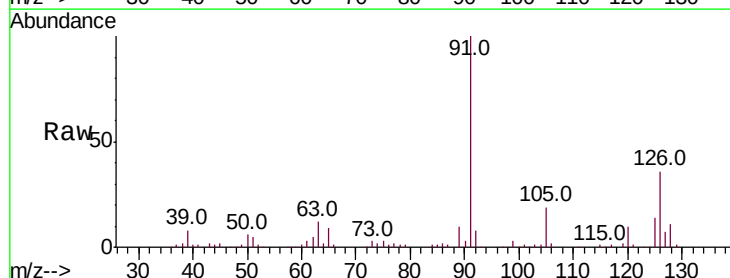
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

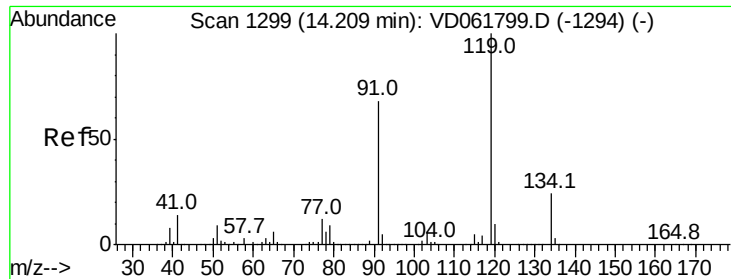
Tot Ion: 75 Resp: 28473
Ion Ratio Lower Upper
75 100
53 88.5 65.8 98.8
89 48.4 35.0 52.6



#82
4-Chlorotoluene
Concen: 21.291 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD061902.D
Acq: 19 Apr 2019 9:45

Tgt Ion: 91 Resp: 396365
Ion Ratio Lower Upper
91 100
126 35.9 19.1 57.5





#83

tert-Butylbenzene

Concen: 21.428 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

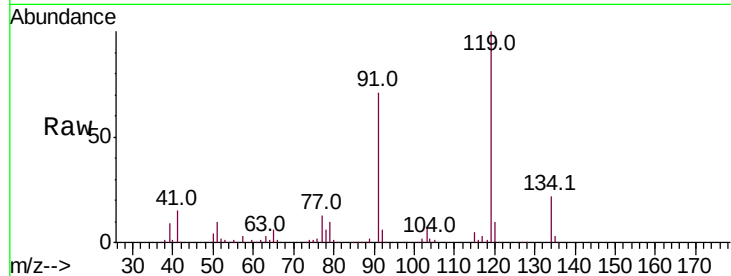
Tot Ion:119 Resp: 481081

Ion Ratio Lower Upper

119 100

91 71.1 34.2 102.6

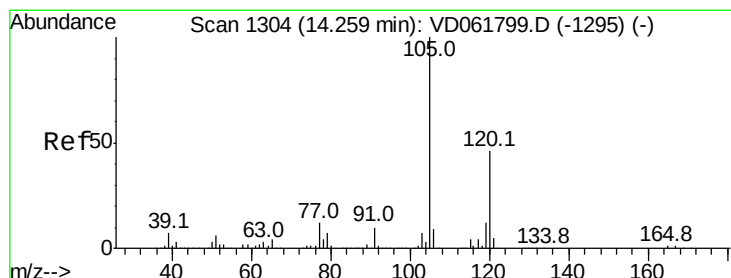
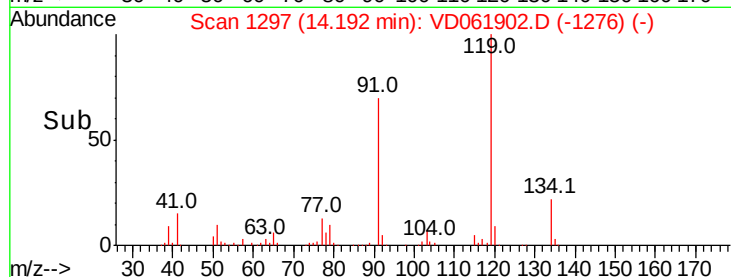
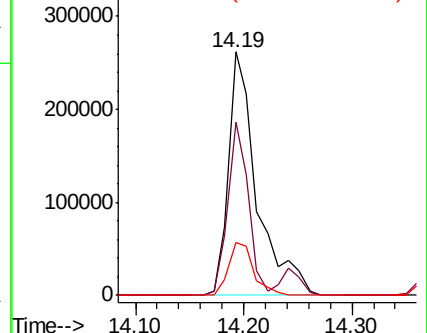
134 21.9 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.817 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD061902.D

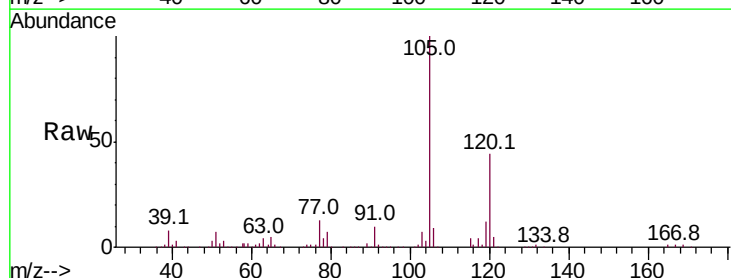
Acq: 19 Apr 2019 9:45

Tgt Ion:105 Resp: 400108

Ion Ratio Lower Upper

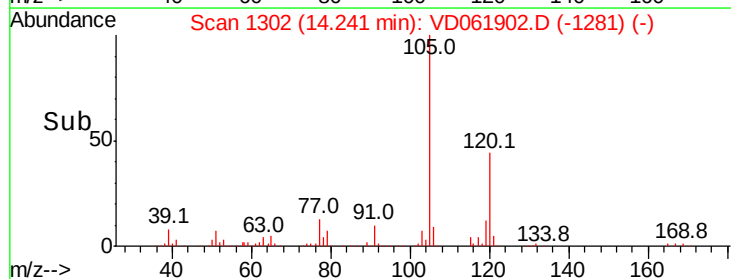
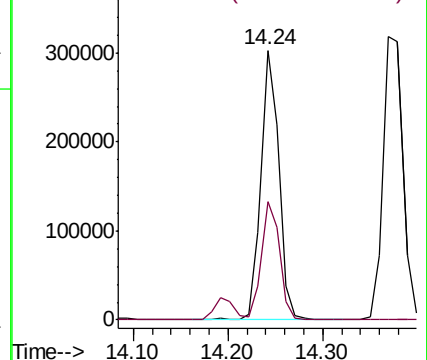
105 100

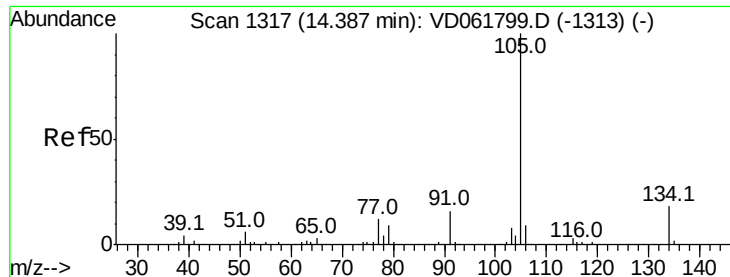
120 43.8 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

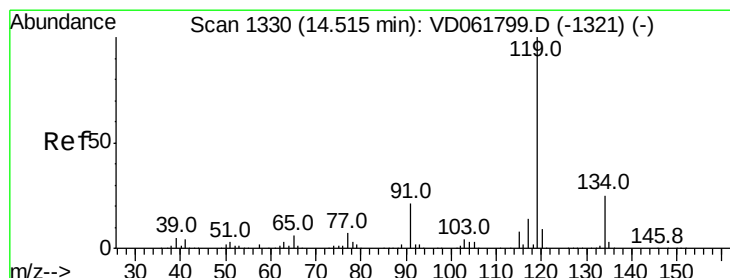
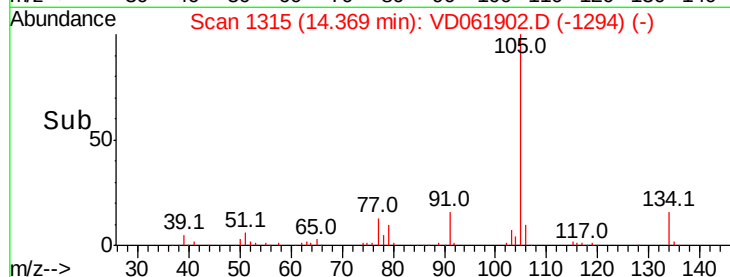
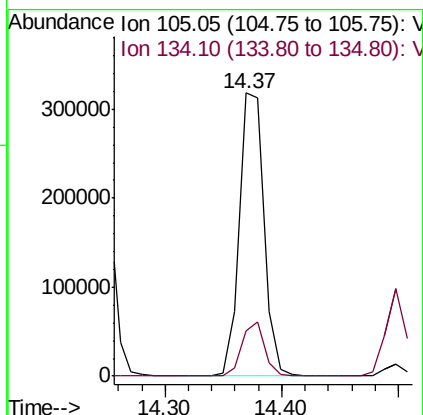
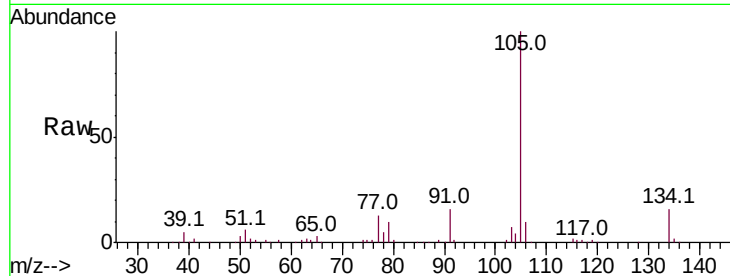




#85
 sec-Butylbenzene
 Concen: 20.186 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

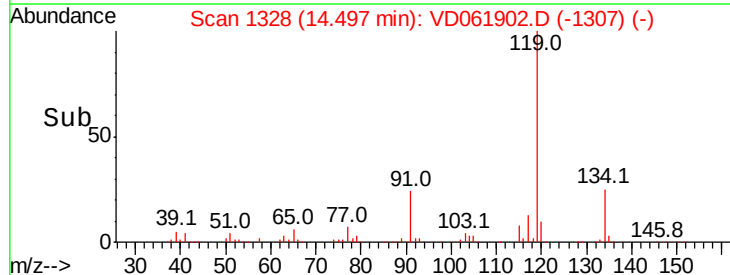
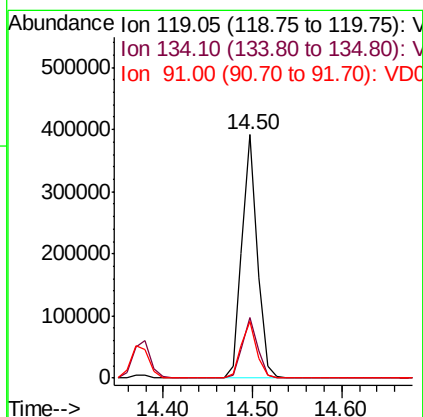
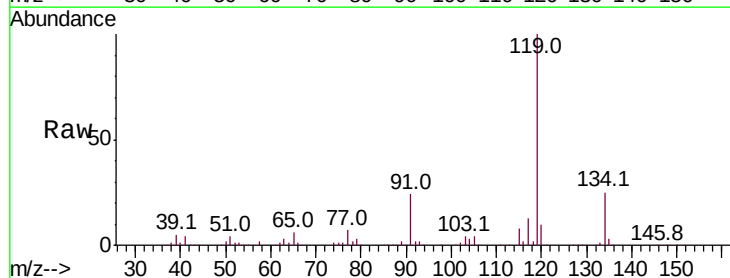
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

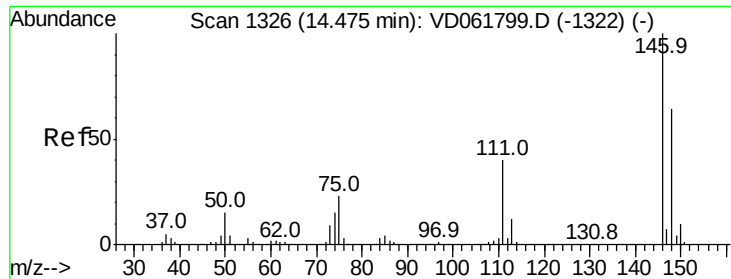
Tot Ion:105 Resp: 468511
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 21.830 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Tgt Ion:119 Resp: 474055
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.8 38.3
 91 23.6 10.7 32.1

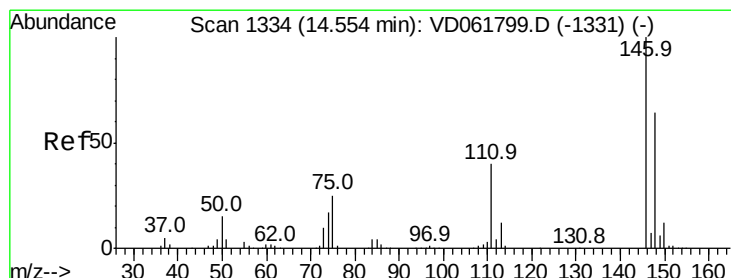
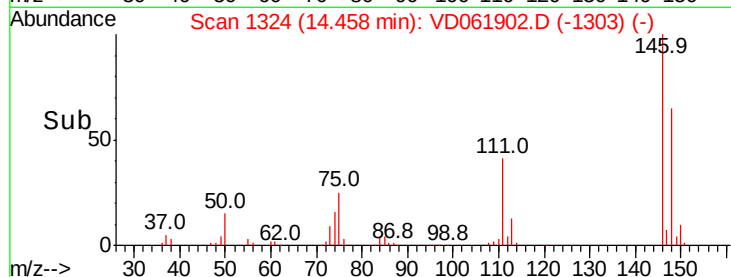
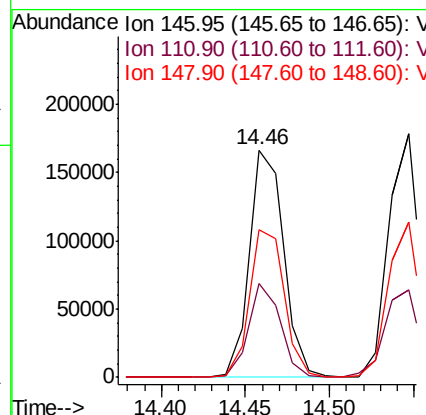
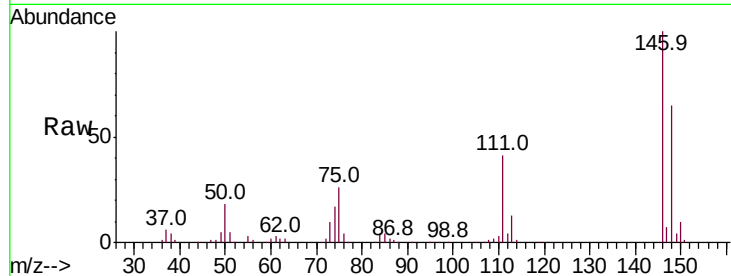




#87
 1,3-Dichlorobenzene
 Concen: 19.685 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

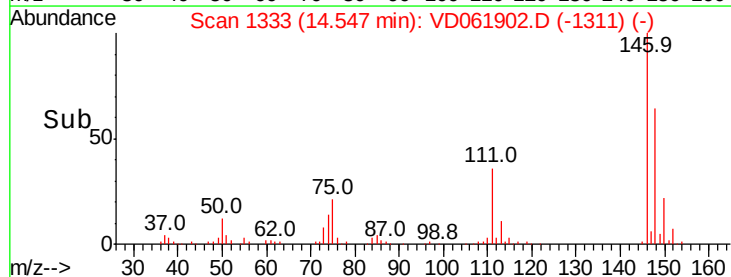
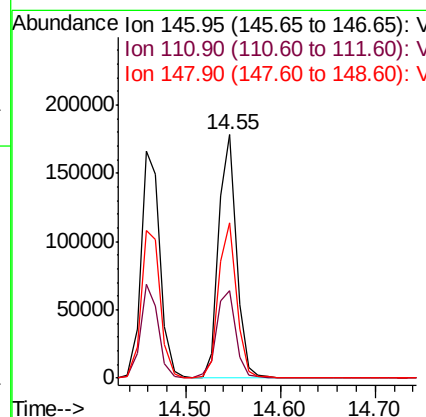
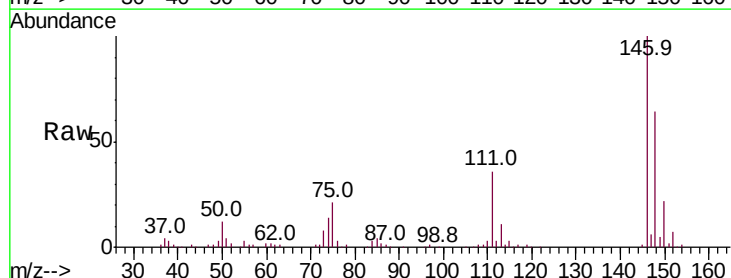
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

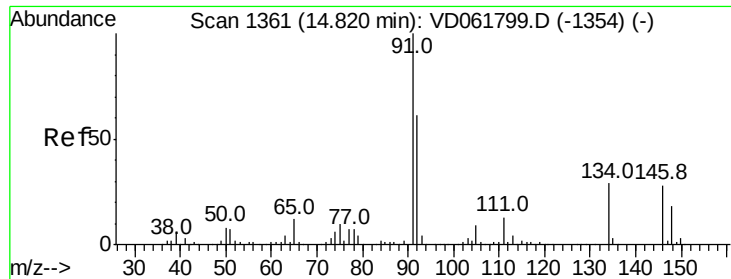
Tot Ion:146 Resp: 235244
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.0 60.0
 148 64.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.931 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Tgt Ion:146 Resp: 235439
 Ion Ratio Lower Upper
 146 100
 111 36.1 20.2 60.5
 148 63.5 32.0 96.2





#89

n-Butylbenzene

Concen: 20.921 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleID :

VD0418SBSD02

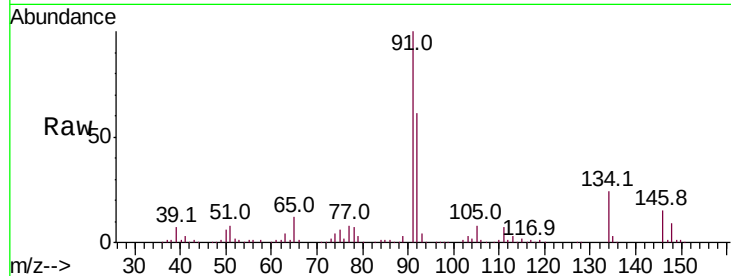
Tot Ion: 91 Resp: 402155

Ion Ratio Lower Upper

91 100

92 61.5 30.3 91.0

134 23.6 14.5 43.6

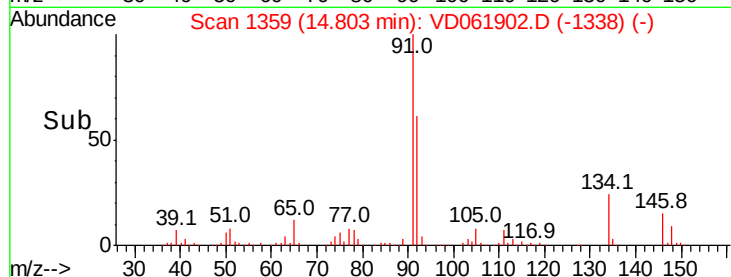


Abundance Ion 91.00 (90.70 to 91.70): V

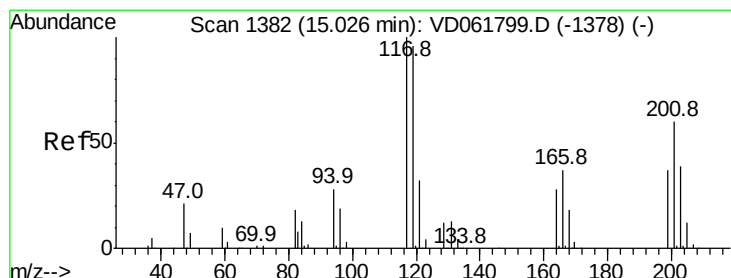
Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

Time--> 14.70 14.80 14.90



Time--> 14.70 14.80 14.90



#90

Hexachloroethane

Concen: 20.181 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061902.D

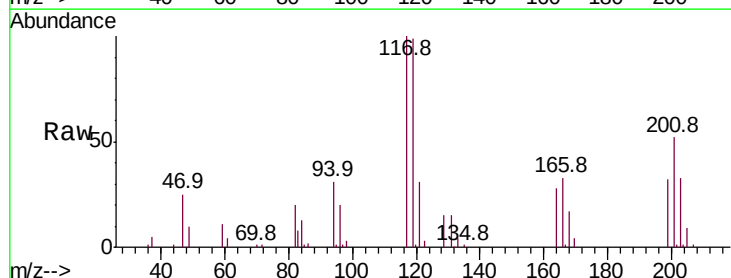
Acq: 19 Apr 2019 9:45

Tgt Ion: 117 Resp: 119446

Ion Ratio Lower Upper

117 100

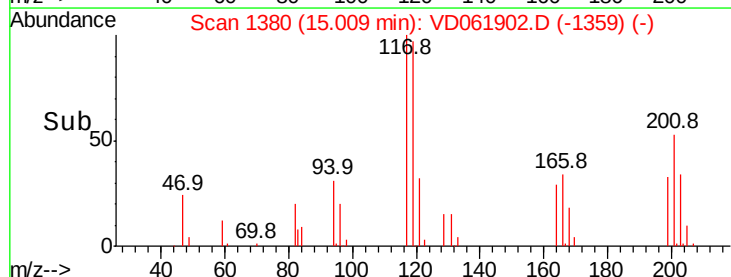
201 51.5 30.2 90.6



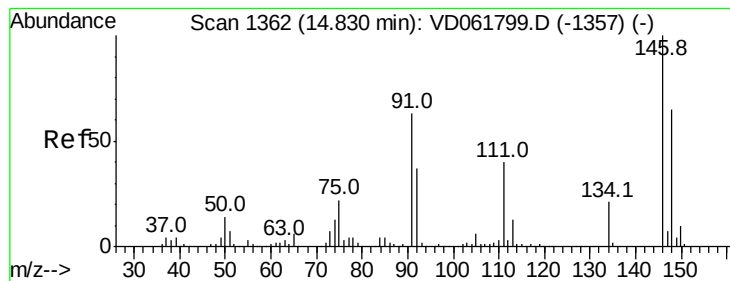
Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

Time--> 14.95 15.00 15.05 15.10



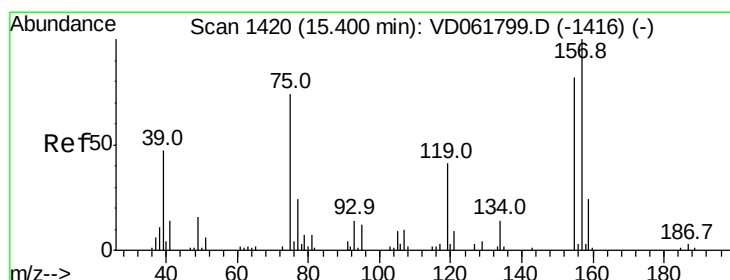
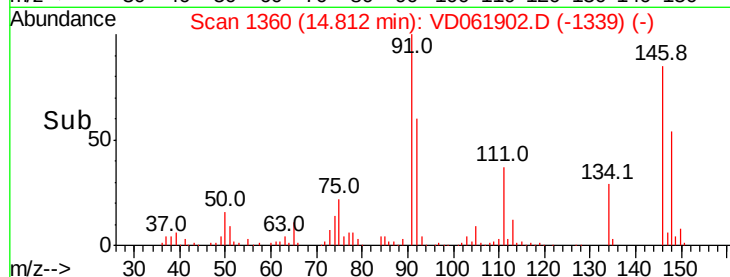
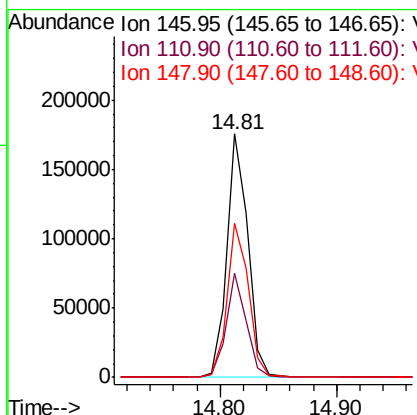
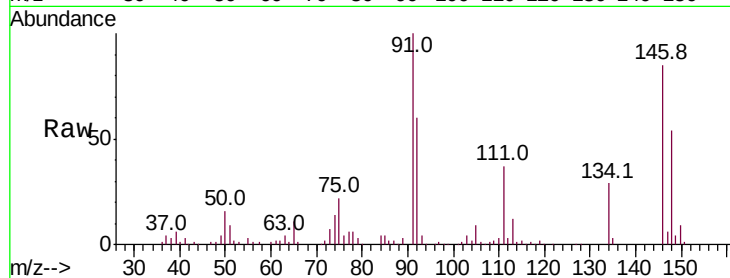
Time--> 14.95 15.00 15.05 15.10



#91
 1,2-Dichlorobenzene
 Concen: 21.847 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

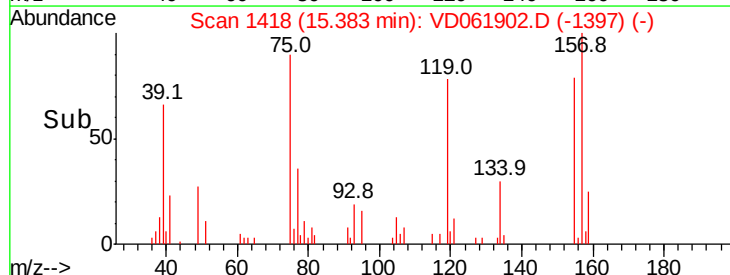
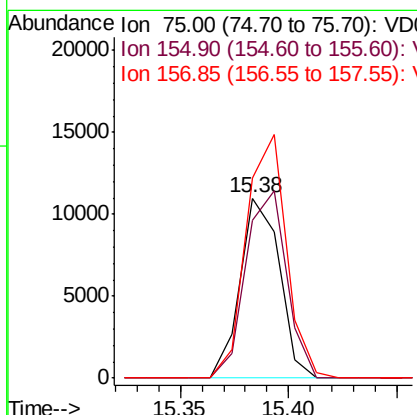
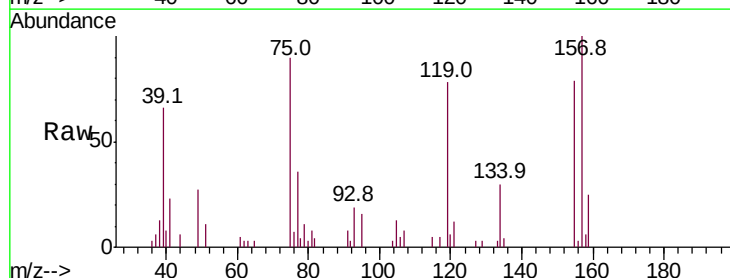
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBSD02

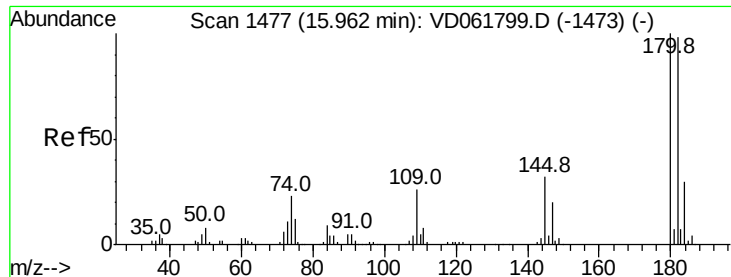
Tot Ion:146 Resp: 218687
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.0 59.9
 148 63.3 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.160 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Tgt Ion: 75 Resp: 14044
 Ion Ratio Lower Upper
 75 100
 155 87.2 55.3 165.8
 157 110.9 67.8 203.2

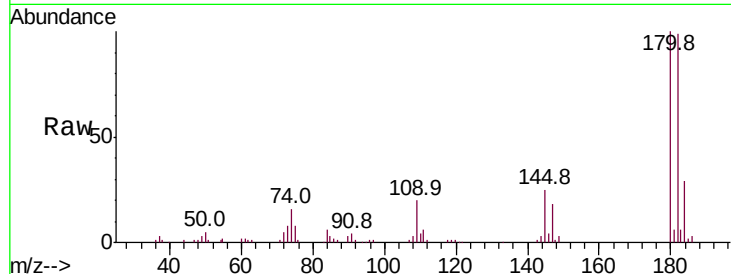




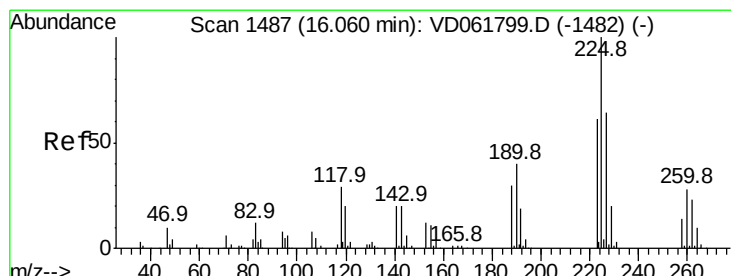
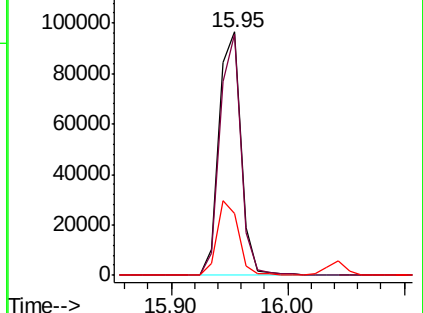
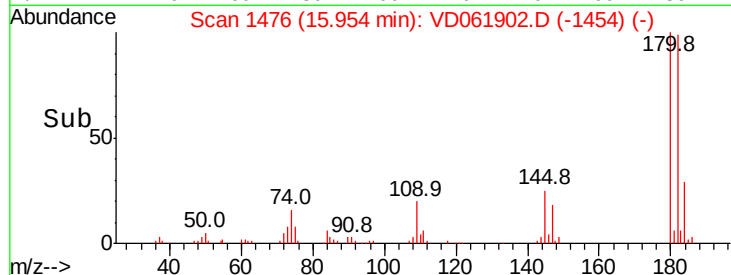
#93
 1,2,4-Trichlorobenzene
 Concen: 23.155 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	49.3	147.8
145	25.4	16.2	48.6

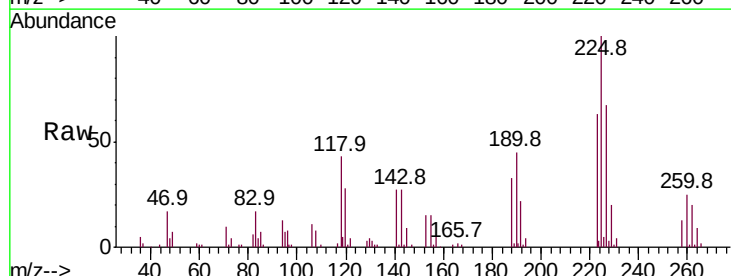


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

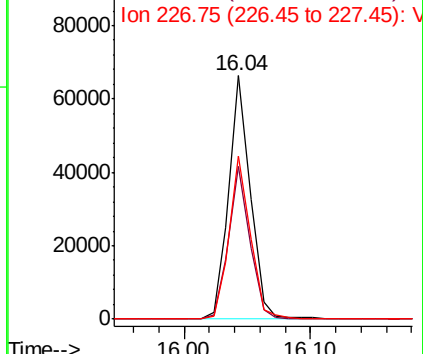
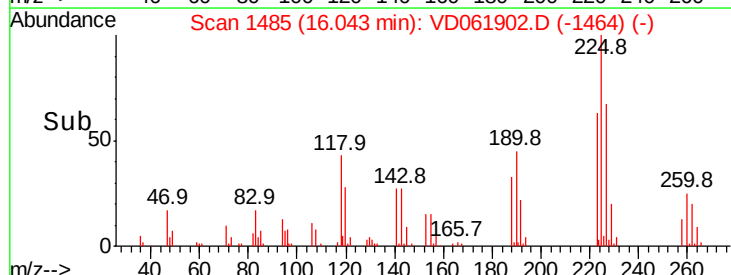


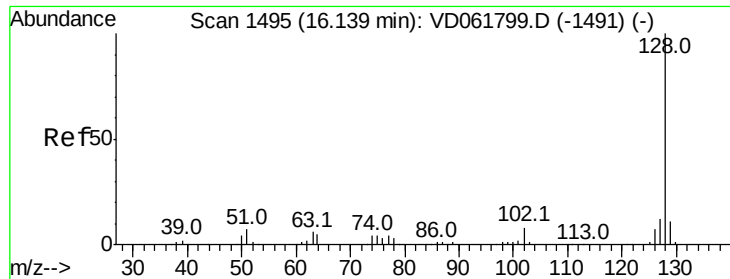
#94
 Hexachlorobutadiene
 Concen: 19.595 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061902.D
 Acq: 19 Apr 2019 9:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.6	92.0
227	66.9	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: 22.546 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBSD02

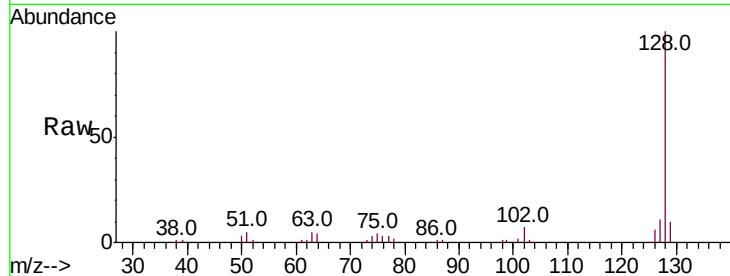
Tot Ion:128 Resp: 189992

Ion Ratio Lower Upper

128 100

127 11.5 9.8 14.8

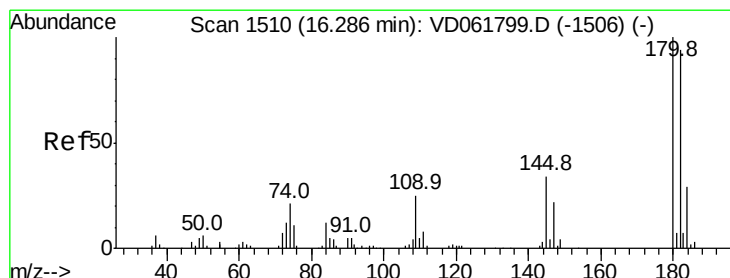
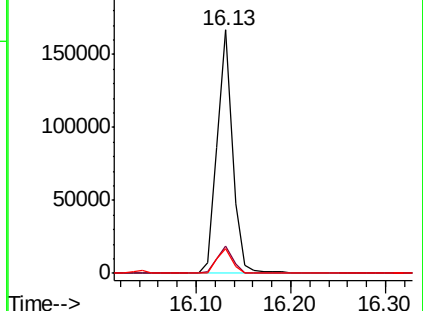
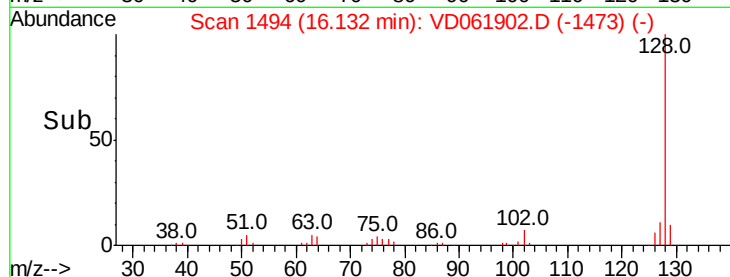
129 10.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.582 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD061902.D

Acq: 19 Apr 2019 9:45

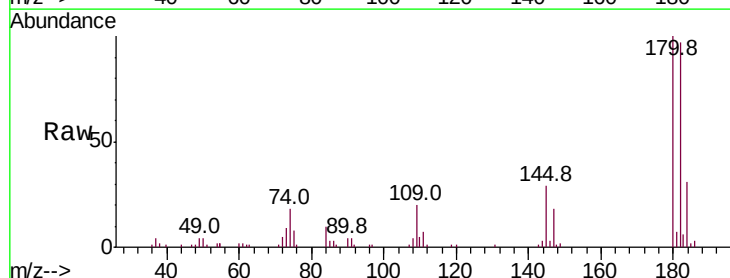
Tgt Ion:180 Resp: 73884

Ion Ratio Lower Upper

180 100

182 97.0 47.0 141.0

145 29.4 17.0 51.0



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

