

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061391.D
 Acq On : 28 Mar 2019 15:22
 Operator : VA/AP
 Sample : VD0328SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS01

Quant Time: Mar 28 15:46:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	732477	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1186629	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	1033874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	458494	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	306577	49.00	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	6.92	113	486292	53.63	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.26%	
50) Toluene-d8	10.40	98	1200414	55.19	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.38%	
62) 4-Bromofluorobenzene	13.55	95	445851	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	151384	19.352	ug/l	99
3) Chloromethane	1.76	50	130565	20.466	ug/l	99
4) Vinyl Chloride	1.86	62	116987	19.971	ug/l	99
5) Bromomethane	2.16	94	19966	17.189	ug/l	93
6) Chloroethane	2.27	64	30790	17.924	ug/l	90
7) Trichlorofluoromethane	2.53	101	160139	18.800	ug/l	99
8) Diethyl Ether	2.88	74	53159	19.383	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.15	101	193186	21.096	ug/l	96
10) Methyl Iodide	3.31	142	188618	16.076	ug/l	98
11) Tert butyl alcohol	4.06	59	37402	95.983	ug/l	97
12) 1,1-Dichloroethene	3.13	96	166954	21.235	ug/l	97
13) Acrolein	3.04	56	36250	109.190	ug/l	99
14) Allyl chloride	3.63	41	228987	20.882	ug/l	98
15) Acrylonitrile	4.20	53	132155	97.713	ug/l	94
16) Acetone	3.22	43	144829	90.040	ug/l	97
17) Carbon Disulfide	3.38	76	508086	19.890	ug/l	100
18) Methyl Acetate	3.65	43	70286	20.783	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	265535	19.511	ug/l	100
20) Methylene Chloride	3.82	84	212912	22.576	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	168623	19.865	ug/l	97
22) Diisopropyl ether	5.12	45	490134	21.122	ug/l	96
23) Vinyl Acetate	5.05	43	1287160	102.114	ug/l	100
24) 1,1-Dichloroethane	4.98	63	277936	20.380	ug/l	99
25) 2-Butanone	6.06	43	196934	97.331	ug/l	99
26) 2,2-Dichloropropane	6.02	77	221528	20.434	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	188493	20.268	ug/l	98
28) Bromochloromethane	6.43	49	114060	20.719	ug/l	# 98
29) Tetrahydrofuran	6.45	42	102008	104.015	ug/l	99
30) Chloroform	6.66	83	290140	20.590	ug/l	98
31) Cyclohexane	6.95	56	214738	19.926	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	243427	19.581	ug/l	96
36) 1,1-Dichloropropene	7.14	75	226086	21.830	ug/l	98
37) Ethyl Acetate	6.18	43	98557	22.251	ug/l	99
38) Carbon Tetrachloride	7.11	117	250049	21.011	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	230778	21.395	ug/l	98
40) Benzene	7.45	78	546165	21.013	ug/l	98
41) Methacrylonitrile	6.45	41	111920	21.611	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	166310	21.391	ug/l	97
43) Isopropyl Acetate	9.23	43	133806	20.763	ug/l	99
44) Trichloroethene	8.54	130	188043	19.440	ug/l	97
45) 1,2-Dichloropropane	8.93	63	134908	20.469	ug/l	98
46) Dibromomethane	9.06	93	94561	21.316	ug/l	99
47) Bromodichloromethane	9.36	83	219808	22.076	ug/l	94
48) Methyl methacrylate	9.12	41	78970	22.204	ug/l	94
49) 1,4-Dioxane	9.07	88	17258	439.924	ug/l #	92
51) 4-Methyl-2-Pentanone	10.29	43	407847	104.022	ug/l	99
52) Toluene	10.50	92	370095	23.339	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	189979	21.001	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	229870	20.868	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	114027	20.562	ug/l	98
56) Ethyl methacrylate	11.03	69	113765	19.096	ug/l	94
57) 1,3-Dichloropropane	11.40	76	173123	21.239	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	324552	111.866	ug/l	99
59) 2-Hexanone	11.52	43	285983	100.672	ug/l	98
60) Dibromochloromethane	11.68	129	169915	19.875	ug/l	98
61) 1,2-Dibromoethane	11.80	107	127411	19.841	ug/l	96
64) Tetrachloroethene	11.24	164	157610	19.424	ug/l	99
65) Chlorobenzene	12.40	112	405101	19.173	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	156204	19.094	ug/l	99
67) Ethyl Benzene	12.51	91	621660	19.276	ug/l	97
68) m/p-Xylenes	12.66	106	486209	39.799	ug/l	97
69) o-Xylene	13.05	106	236140	19.919	ug/l	99
70) Styrene	13.07	104	430198	20.817	ug/l	99
71) Bromoform	13.23	173	92588	17.854	ug/l	96
73) Isopropylbenzene	13.40	105	618218	19.373	ug/l	99
74) N-amyl acetate	13.26	43	158694	17.852	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	124137	18.441	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	118669	17.918	ug/l	99
77) Bromobenzene	13.67	156	170735	18.048	ug/l	83
78) n-propylbenzene	13.77	91	781811	20.020	ug/l	95
79) 2-Chlorotoluene	13.83	91	425936	20.088	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	518560	20.944	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	38873	19.250	ug/l	95
82) 4-Chlorotoluene	13.94	91	485208	21.045	ug/l	95
83) tert-Butylbenzene	14.19	119	543430	17.563	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	524401	19.564	ug/l	98
85) sec-Butylbenzene	14.37	105	634808	19.312	ug/l	98
86) p-Isopropyltoluene	14.48	119	616952	22.196	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	325693	20.331	ug/l	93
88) 1,4-Dichlorobenzene	14.53	146	310030	19.845	ug/l	97
89) n-Butylbenzene	14.80	91	498463	19.538	ug/l	98
90) Hexachloroethane	15.01	117	155563	19.810	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	257568	19.601	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13603	17.230	ug/l	73

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Quant Title : SW846 8260
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Response via : Initial Calibration

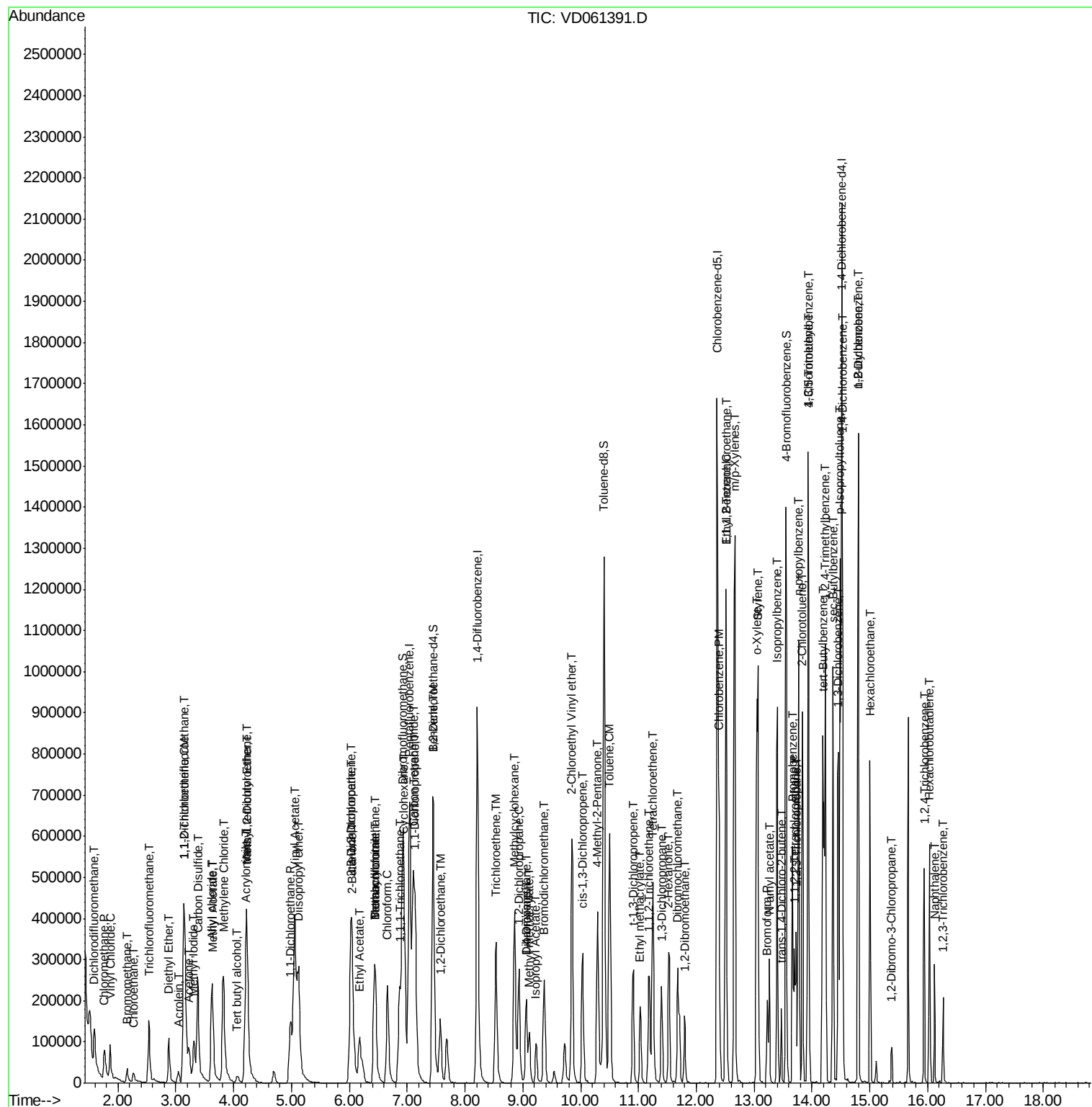
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	125691	20.998	ug/l	100
94) Hexachlorobutadiene	16.03	225	94591	20.223	ug/l	99
95) Naphthalene	16.12	128	174227	19.095	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	51111	19.404	ug/l	96

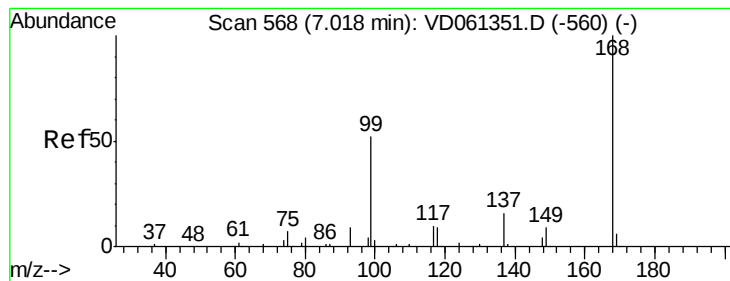
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

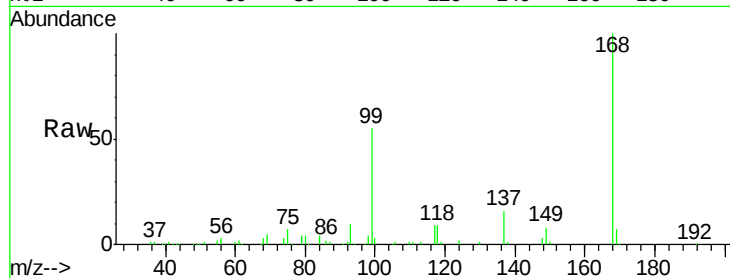
VD0328SBS01

Tot Ion:168 Resp: 732477

Ion Ratio Lower Upper

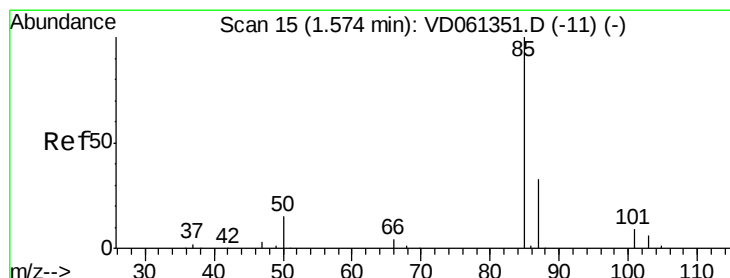
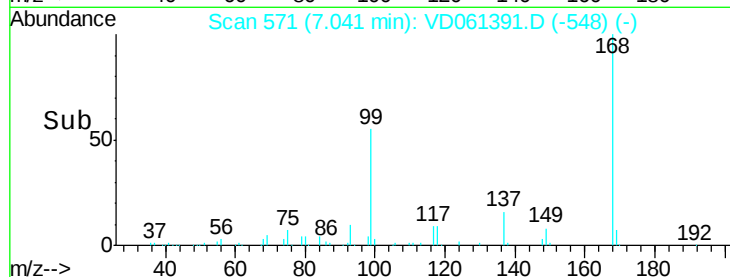
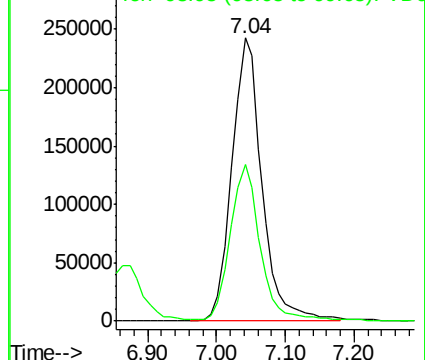
168 100

99 55.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.352 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061391.D

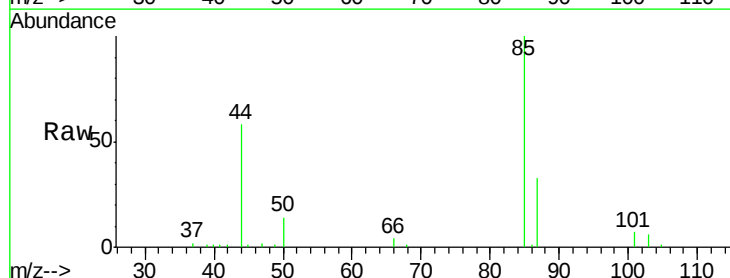
Acq: 28 Mar 2019 15:22

Tgt Ion: 85 Resp: 151384

Ion Ratio Lower Upper

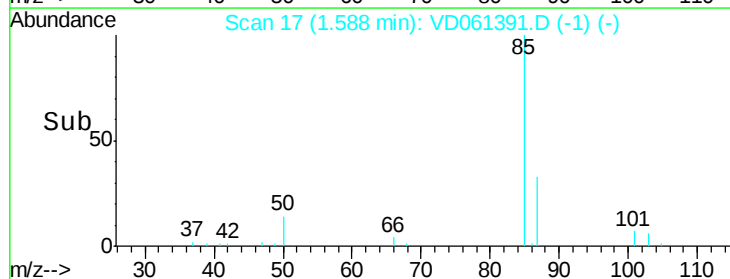
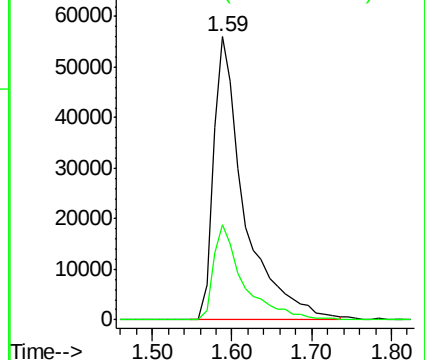
85 100

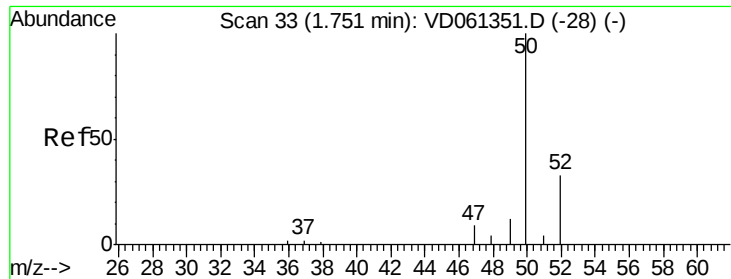
87 33.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

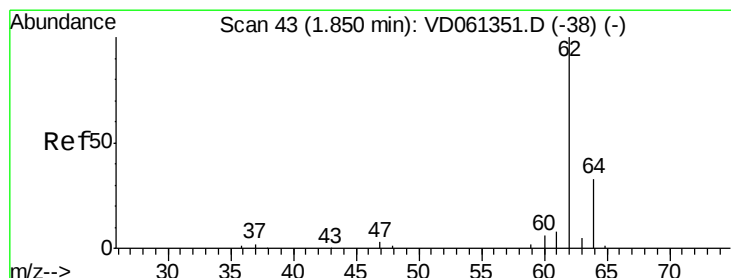
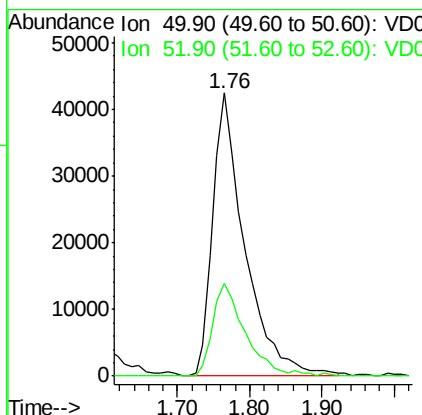
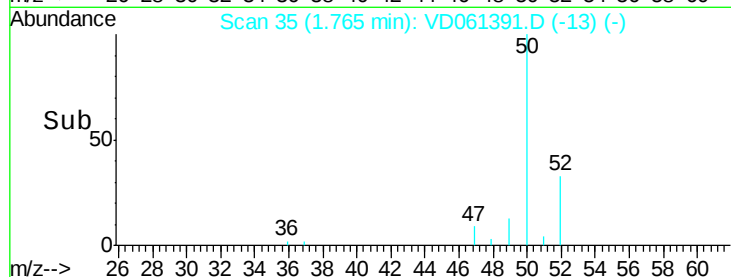
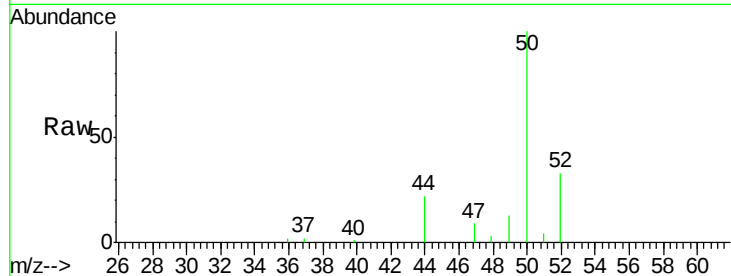




#3
 Chloromethane
 Concen: 20.466 ug/l
 RT: 1.76 min Scan# 35
 Delta R.T. 0.01 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

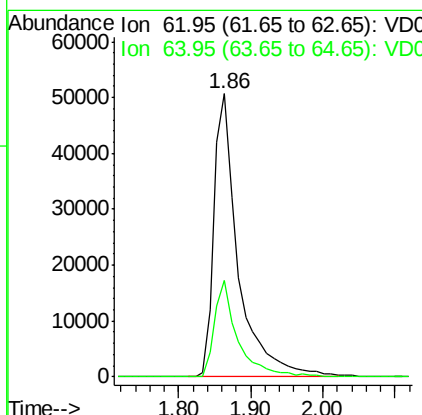
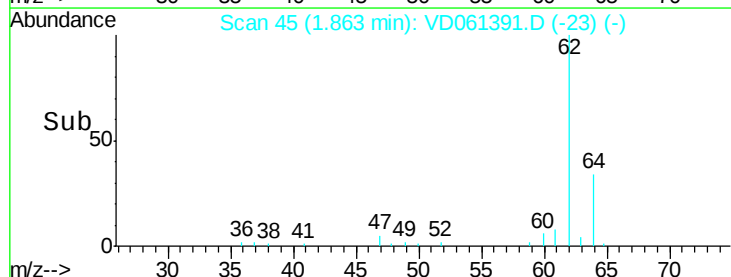
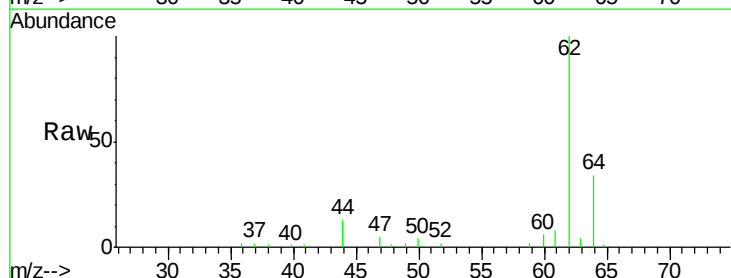
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS01

Tot Ion: 50 Resp: 130565
 Ion Ratio Lower Upper
 50 100
 52 32.9 26.1 39.1



#4
 Vinyl Chloride
 Concen: 19.971 ug/l
 RT: 1.86 min Scan# 45
 Delta R.T. 0.01 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

Tgt Ion: 62 Resp: 116987
 Ion Ratio Lower Upper
 62 100
 64 33.9 26.6 39.8

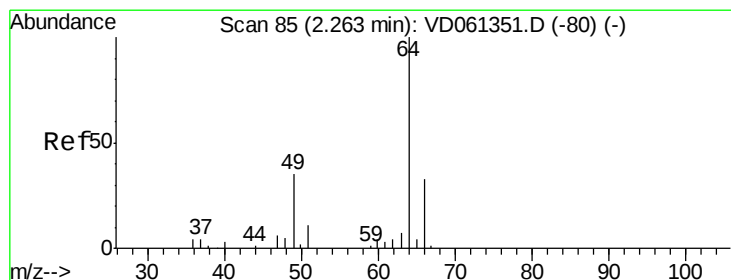
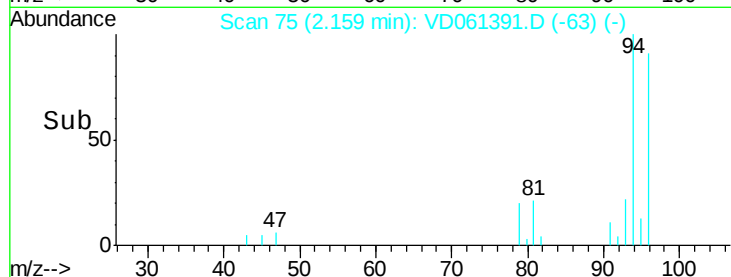
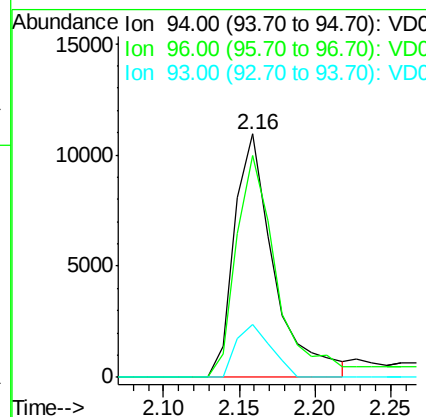
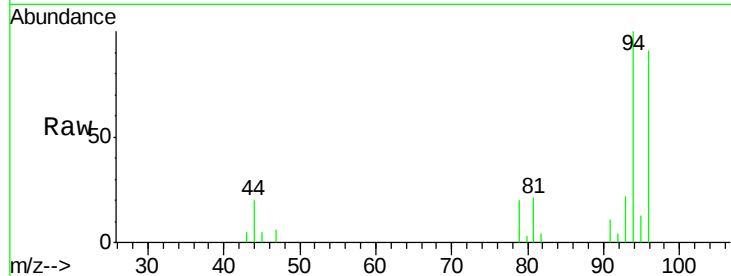




#5
Bromomethane
Concen: 17.189 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.01 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

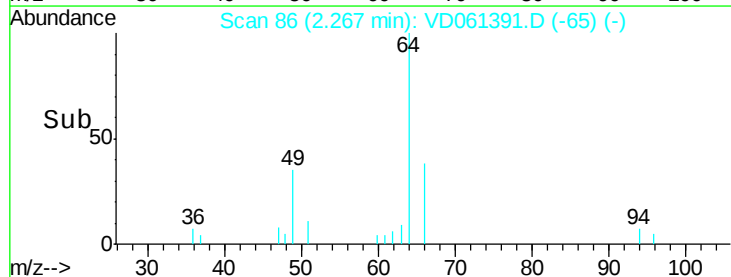
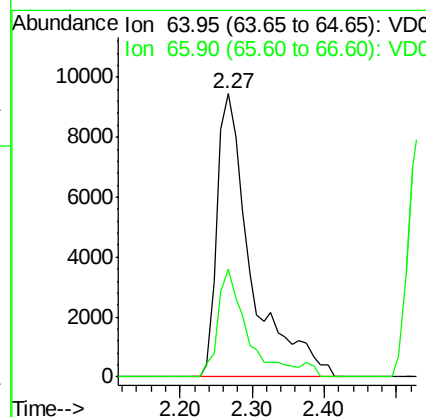
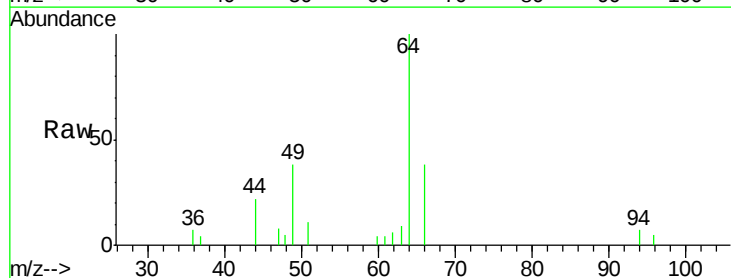
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MSVOA_D
ClientSampleId :
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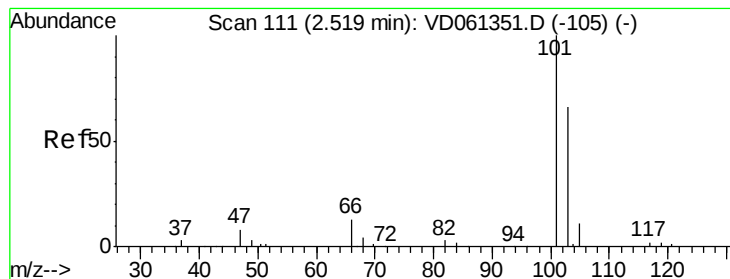
Tot Ion: 94 Resp: 19966
Ion Ratio Lower Upper
94 100
96 91.2 78.3 117.5
93 22.0 15.6 23.4



#6
Chloroethane
Concen: 17.924 ug/l
RT: 2.27 min Scan# 86
Delta R.T. 0.00 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion: 64 Resp: 30790
Ion Ratio Lower Upper
64 100
66 38.2 26.2 39.2



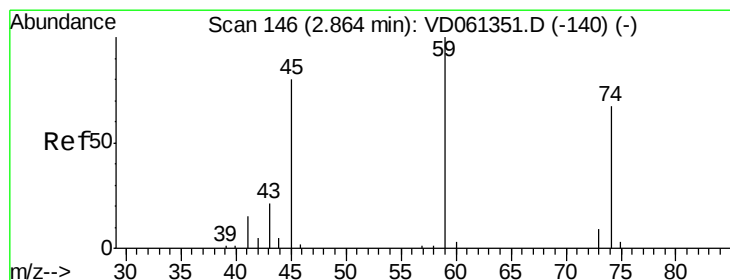
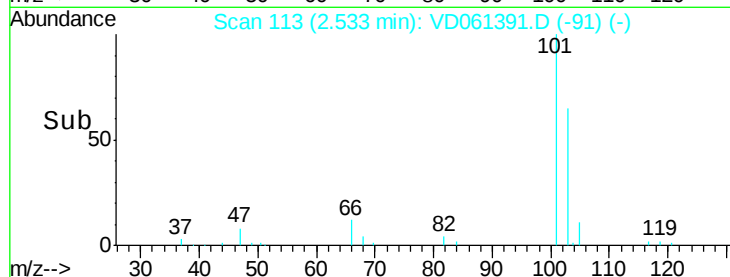
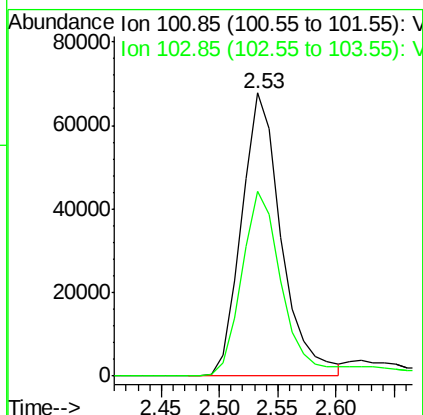
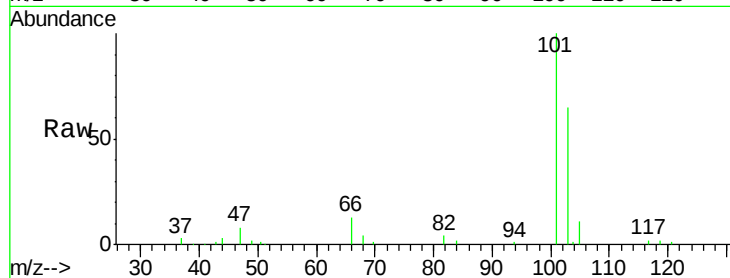


#7

Trichlorofluoromethane
 Concen: 18.800 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS01

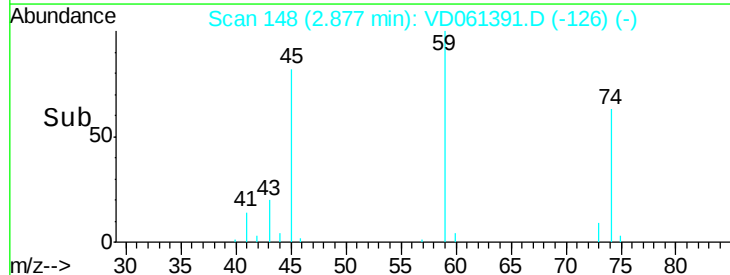
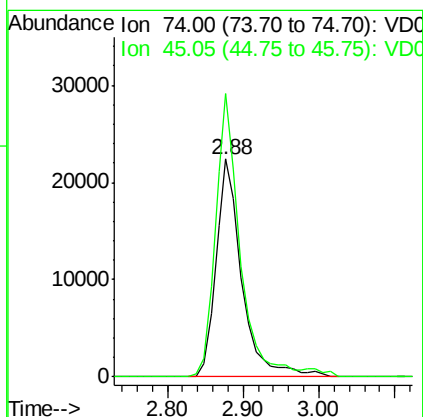
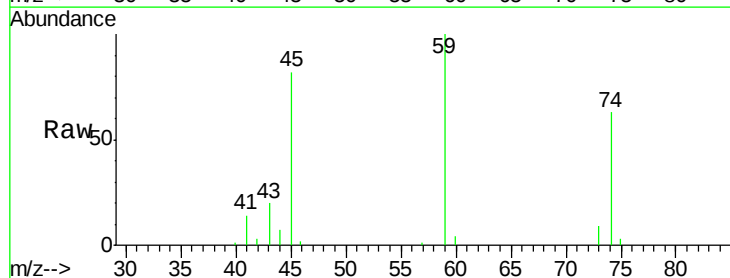
Tot Ion:101 Resp: 160139
 Ion Ratio Lower Upper
 101 100
 103 65.3 53.1 79.7



#8

Diethyl Ether
 Concen: 19.383 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

Tgt Ion: 74 Resp: 53159
 Ion Ratio Lower Upper
 74 100
 45 130.0 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.096 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

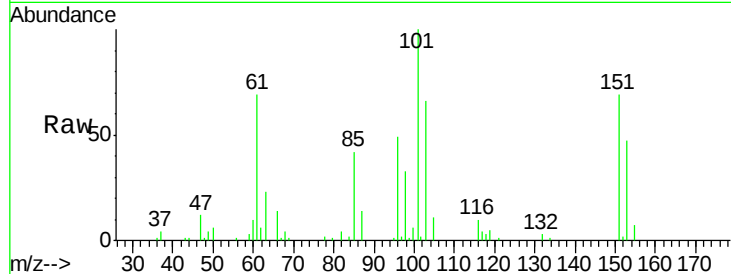
Tot Ion:101 Resp: 193186

Ion Ratio Lower Upper

101 100

85 41.5 29.4 44.0

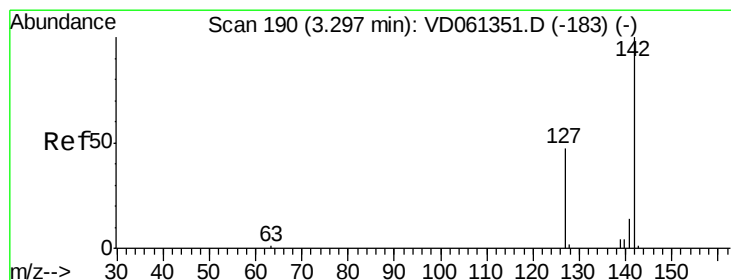
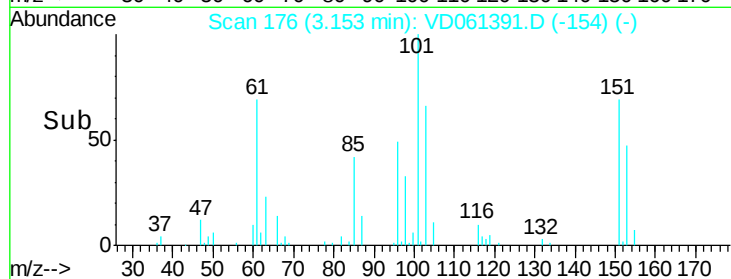
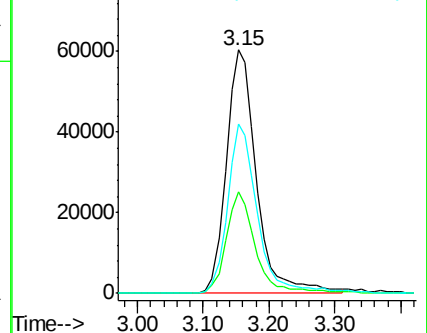
151 69.5 57.0 85.4



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: 16.076 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

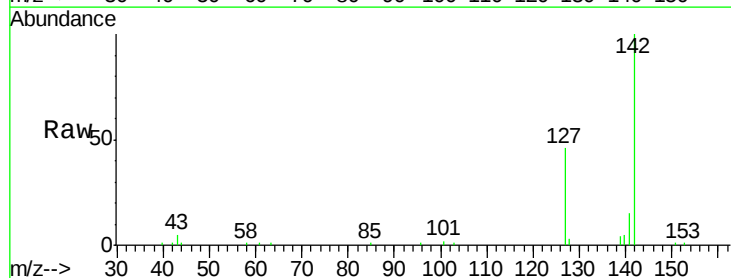
Tgt Ion:142 Resp: 188618

Ion Ratio Lower Upper

142 100

127 46.1 37.7 56.5

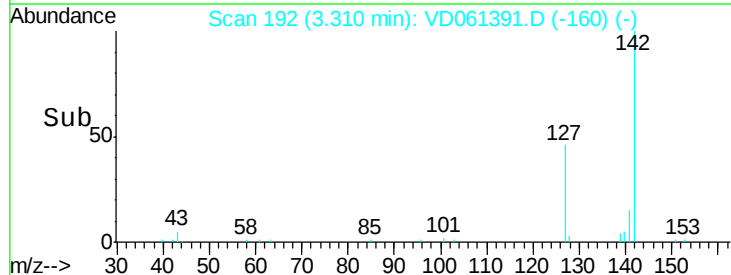
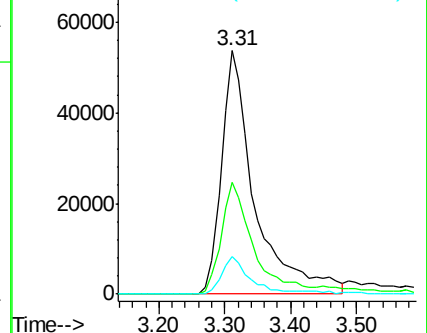
141 15.4 11.5 17.3

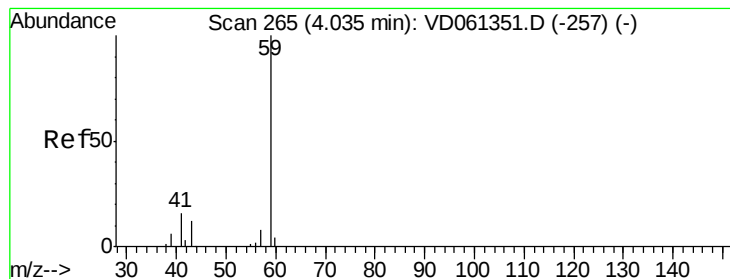


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



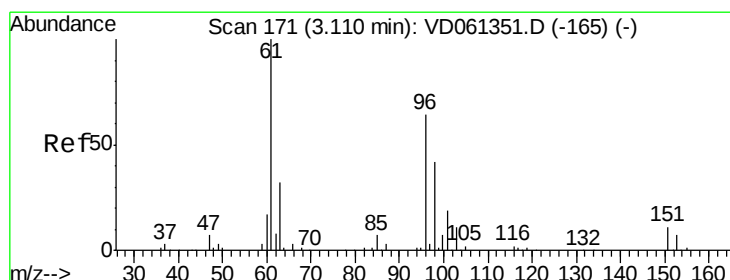
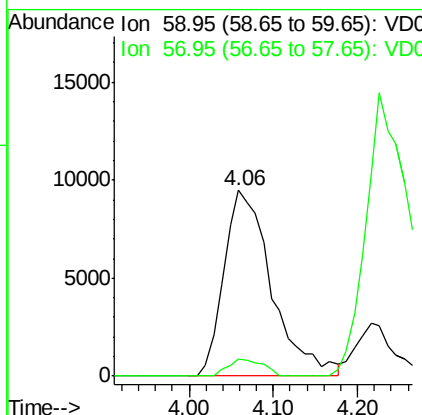
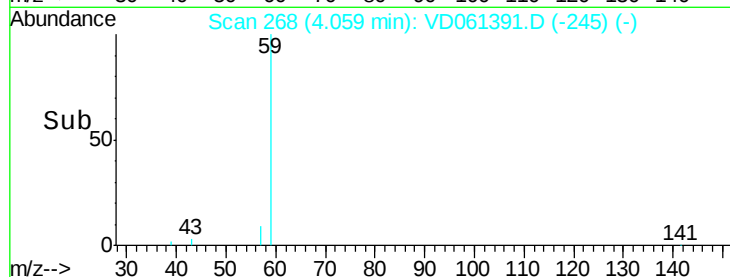
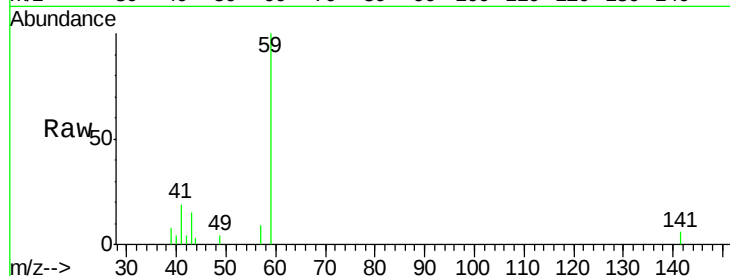


#11

Tert butyl alcohol
Concen: 95.983 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.02 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

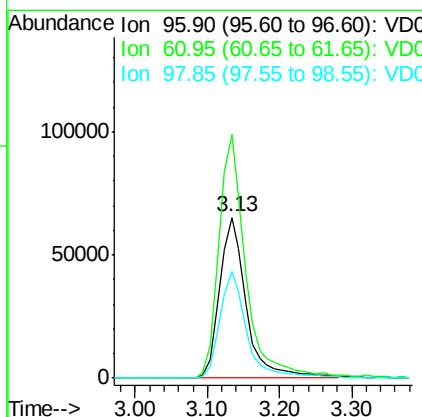
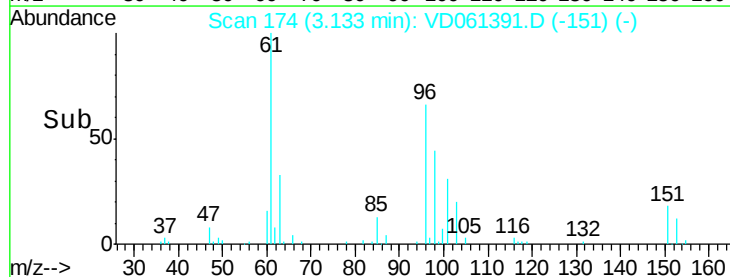
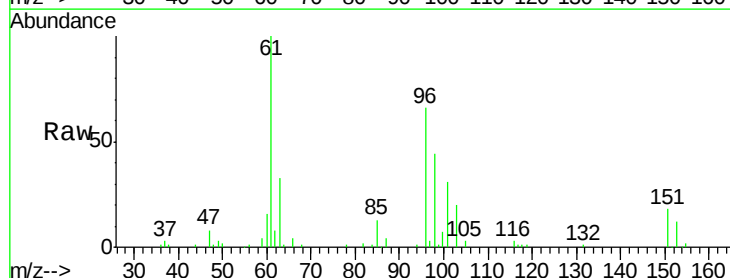
Tot Ion: 59 Resp: 37402
Ion Ratio Lower Upper
59 100
57 9.5 6.7 10.1

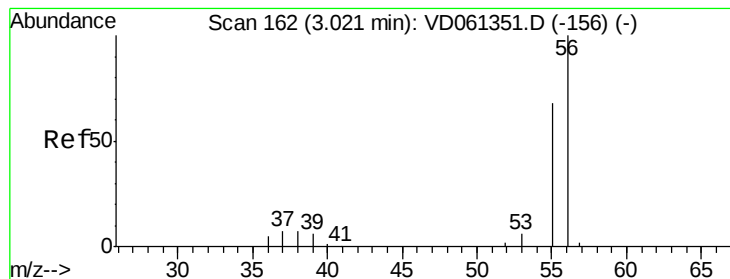


#12

1,1-Dichloroethene
Concen: 21.235 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.02 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion: 96 Resp: 166954
Ion Ratio Lower Upper
96 100
61 151.7 124.9 187.3
98 66.1 52.5 78.7





#13

Acrolein

Concen: 109.190 ug/l

RT: 3.04 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

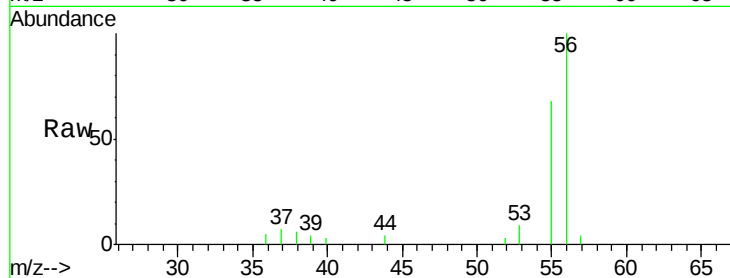
VD0328SBS01

Tot Ion: 56 Resp: 36250

Ion Ratio Lower Upper

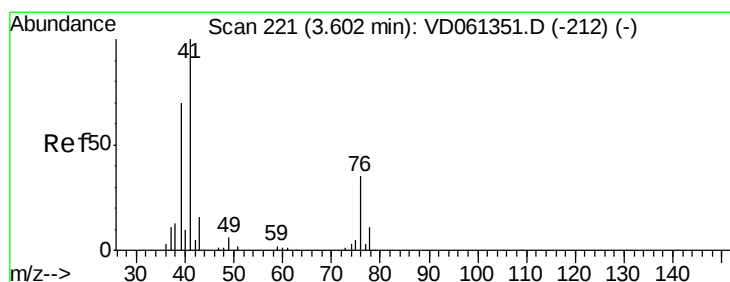
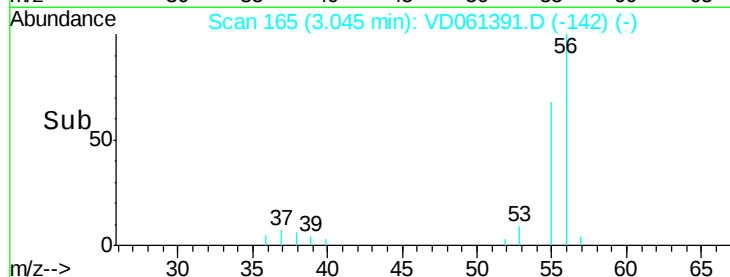
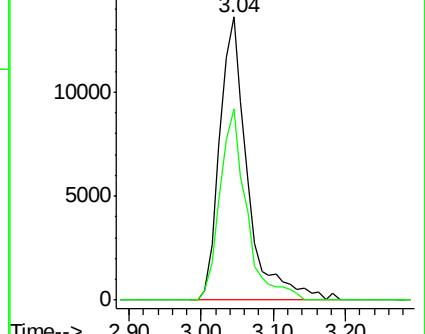
56 100

55 67.7 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.882 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.02 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

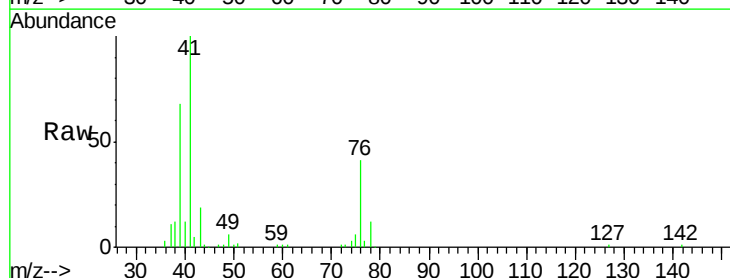
Tgt Ion: 41 Resp: 228987

Ion Ratio Lower Upper

41 100

39 68.3 55.6 83.4

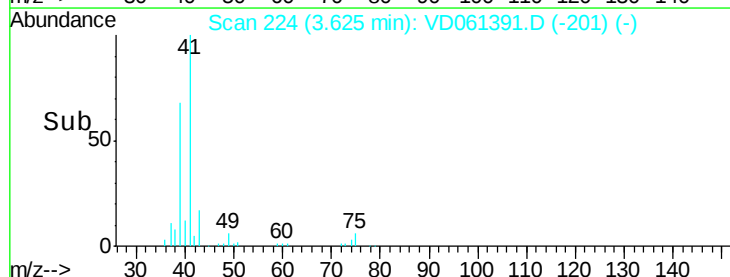
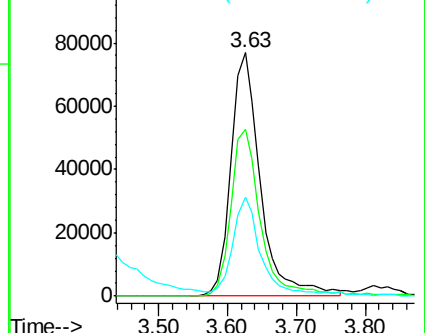
76 40.7 31.0 46.6

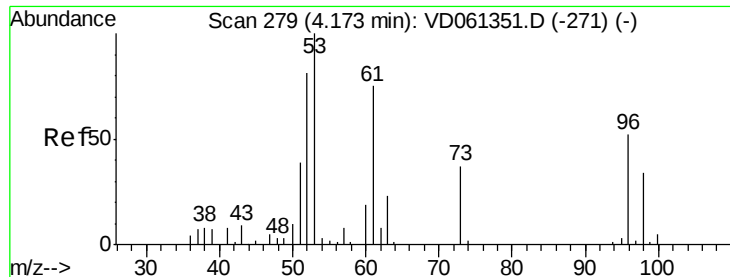


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

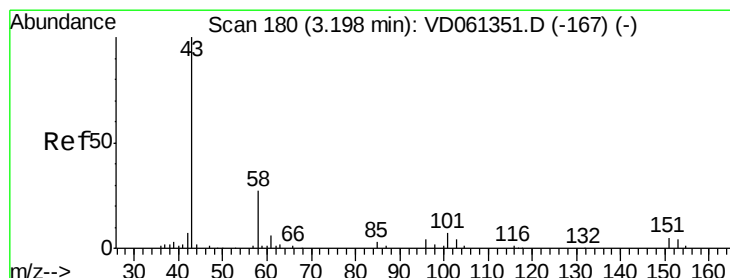
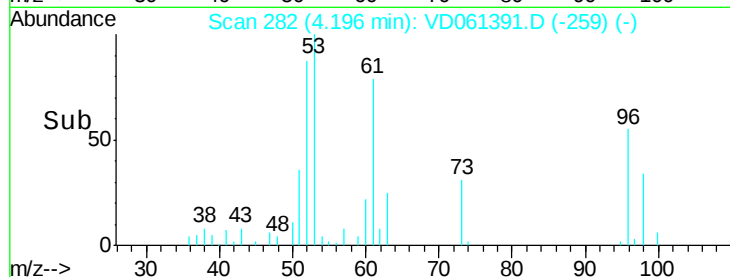
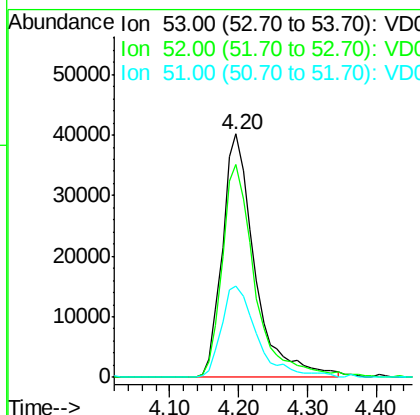
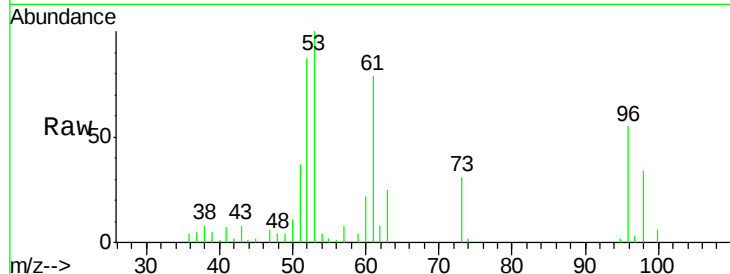




#15
Acrylonitrile
Concen: 97.713 ug/l
RT: 4.20 min Scan# 282
Delta R.T. 0.02 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

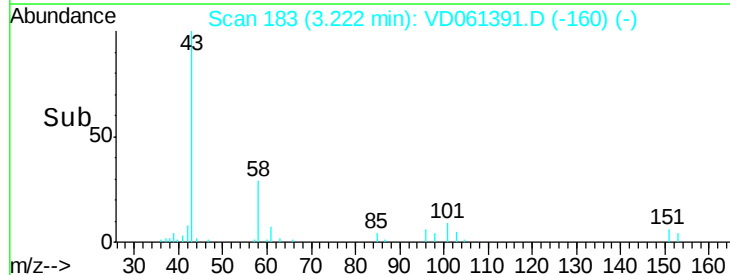
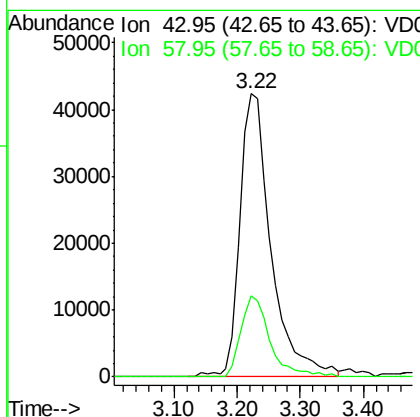
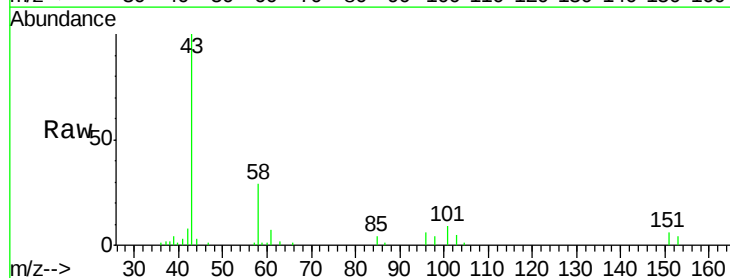
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

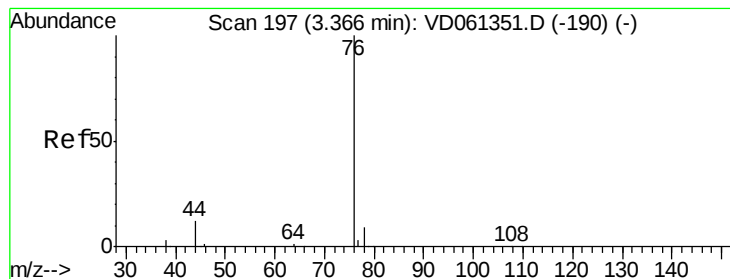
Tot Ion: 53 Resp: 132155
Ion Ratio Lower Upper
53 100
52 87.4 64.8 97.2
51 37.4 31.4 47.2



#16
Acetone
Concen: 90.040 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.02 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion: 43 Resp: 144829
Ion Ratio Lower Upper
43 100
58 28.5 21.5 32.3





#17

Carbon Disulfide

Concen: 19.890 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

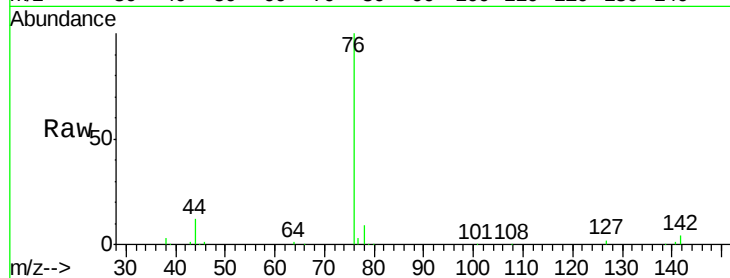
VD0328SBS01

Tot Ion: 76 Resp: 508086

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

200000

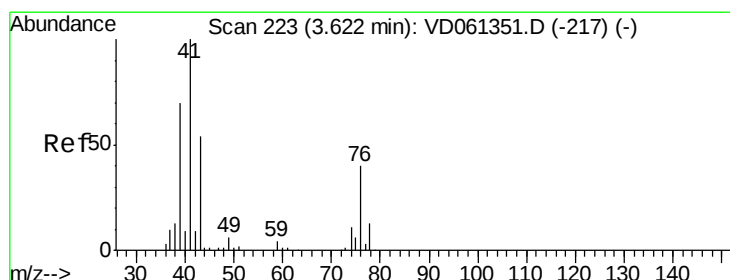
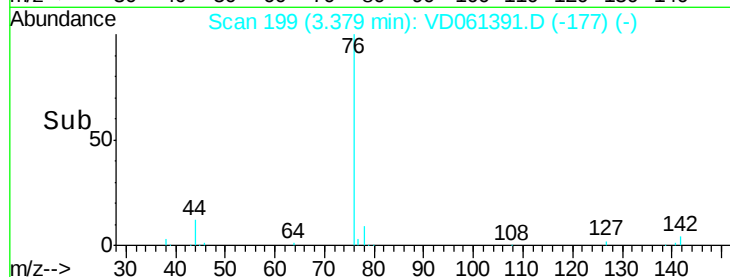
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.783 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061391.D

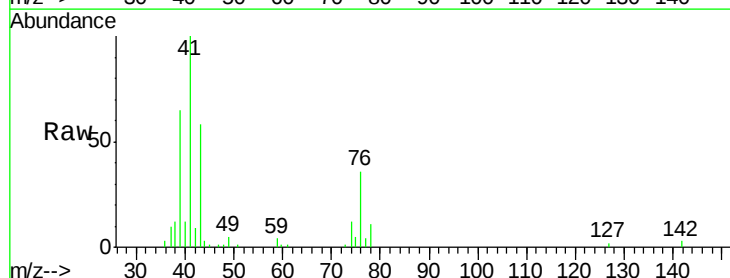
Acq: 28 Mar 2019 15:22

Tgt Ion: 43 Resp: 70286

Ion Ratio Lower Upper

43 100

74 20.7 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

25000

20000

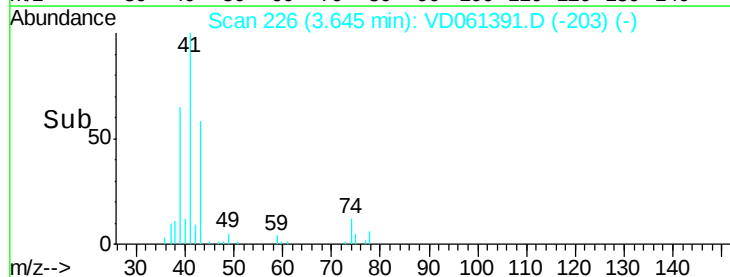
15000

10000

5000

0

Time-->

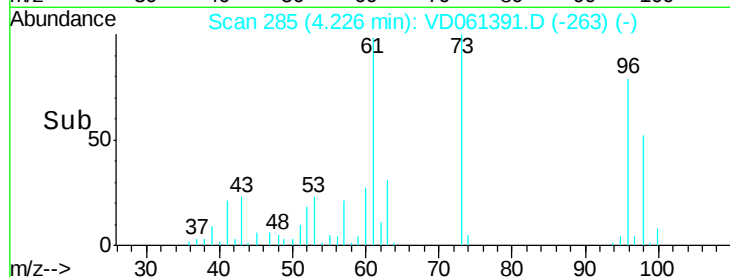
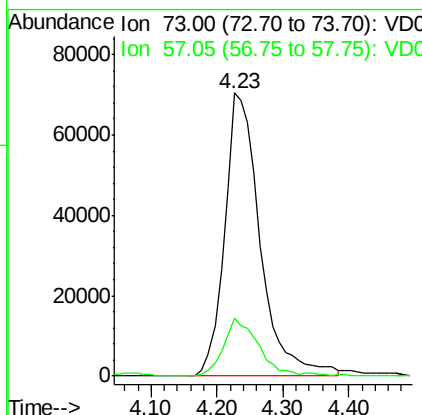
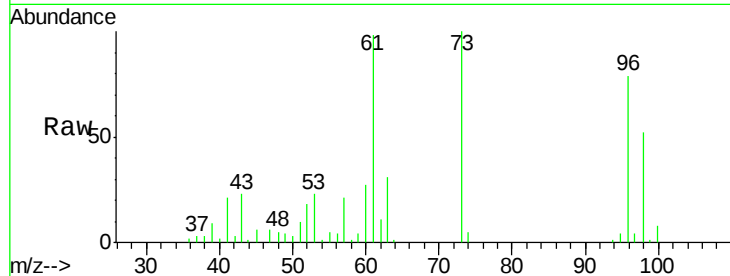




#19
Methvl tert-butvl Ether
Concen: 19.511 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

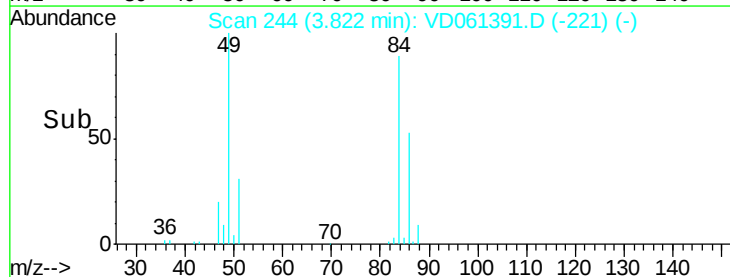
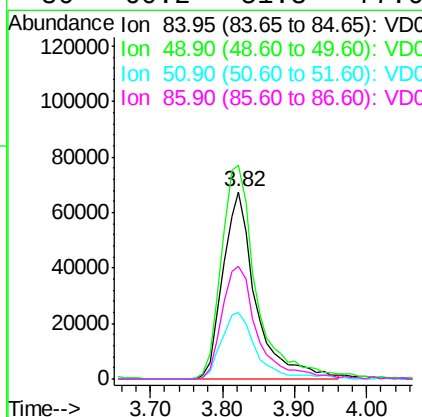
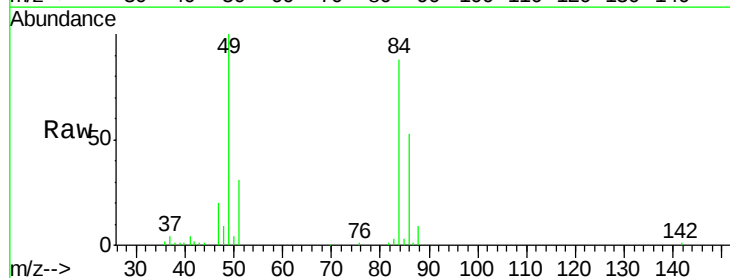
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

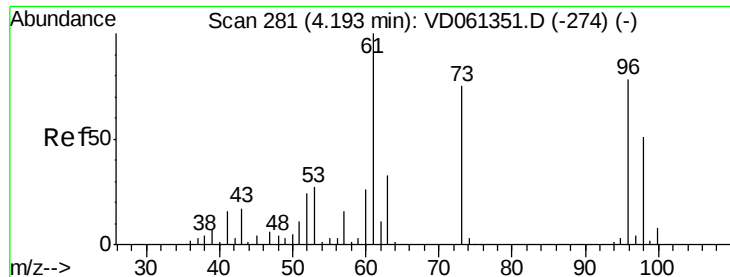
Tot Ion: 73 Resp: 265535
Ion Ratio Lower Upper
73 100
57 20.5 16.4 24.6



#20
Methylene Chloride
Concen: 22.576 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion: 84 Resp: 212912
Ion Ratio Lower Upper
84 100
49 114.2 91.8 137.8
51 35.8 29.8 44.8
86 60.2 51.8 77.6

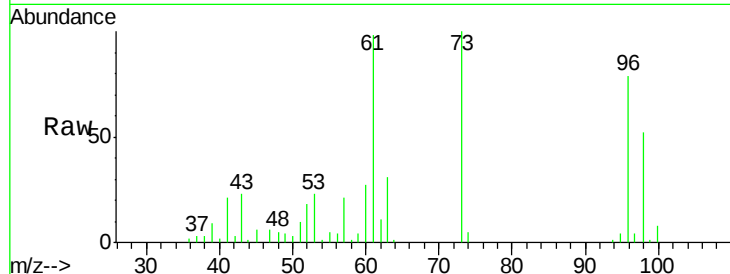




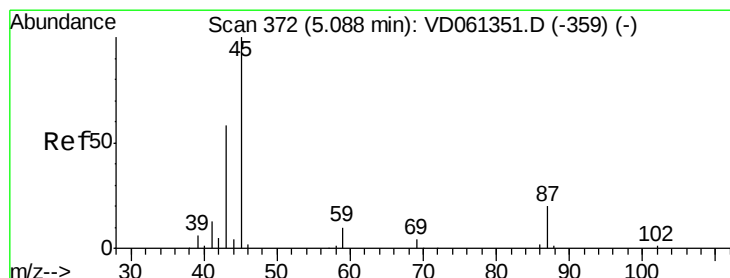
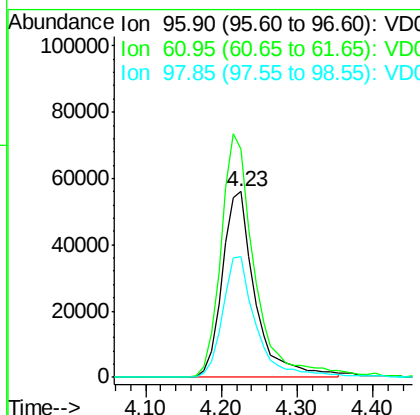
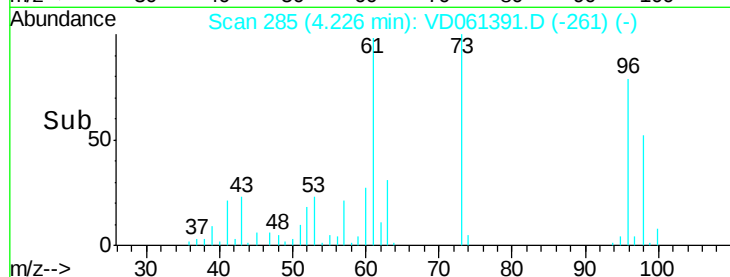
#21
trans-1,2-Dichloroethene
Concen: 19.865 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.03 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

Tot Ion: 96 Resp: 168623
Ion Ratio Lower Upper
96 100
61 123.2 102.7 154.1
98 65.2 52.2 78.4

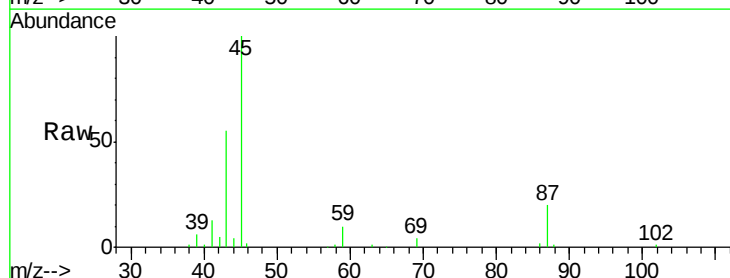


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

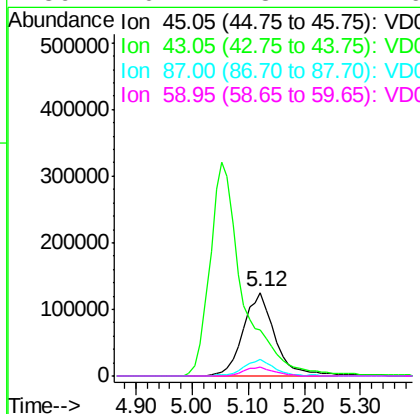
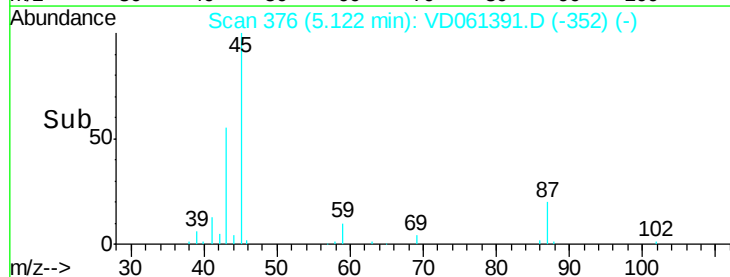


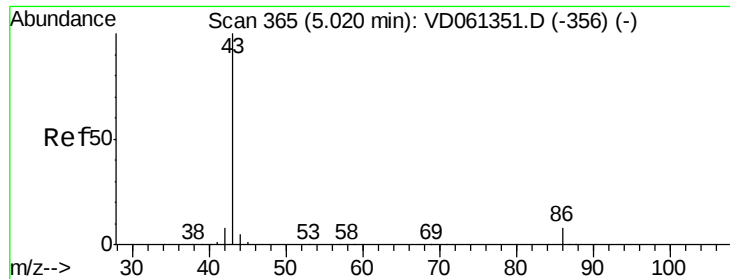
#22
Diisopropyl ether
Concen: 21.122 ug/l
RT: 5.12 min Scan# 376
Delta R.T. 0.03 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion: 45 Resp: 490134
Ion Ratio Lower Upper
45 100
43 55.5 47.4 71.2
87 19.6 16.3 24.5
59 10.4 8.4 12.6



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





#23

Vinyl Acetate

Concen: 102.114 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.03 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

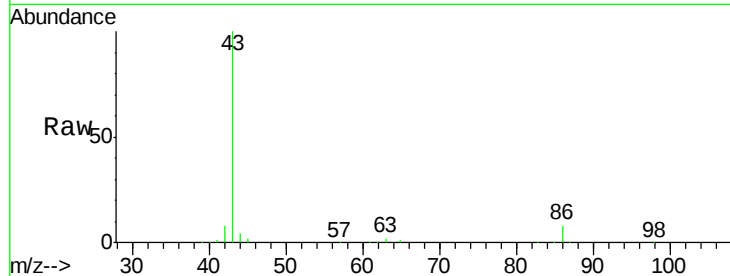
VD0328SBS01

Tot Ion: 43 Resp: 1287160

Ion Ratio Lower Upper

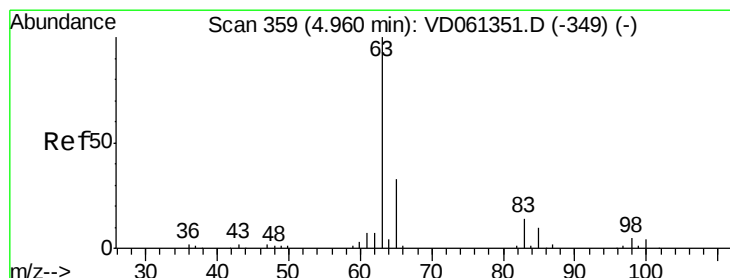
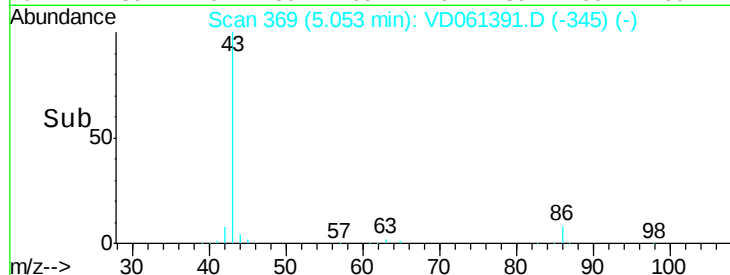
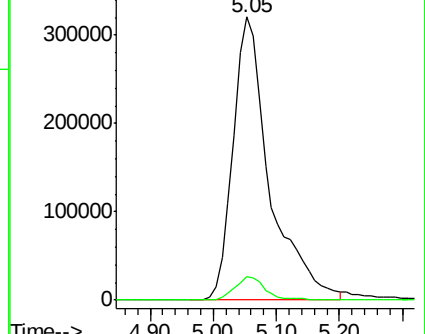
43 100

86 8.3 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.380 ug/l

RT: 4.98 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

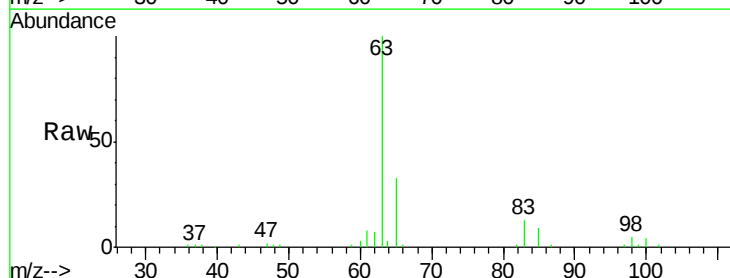
Tgt Ion: 63 Resp: 277936

Ion Ratio Lower Upper

63 100

98 5.2 2.6 8.0

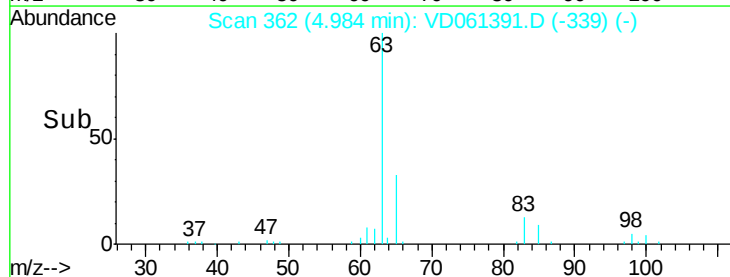
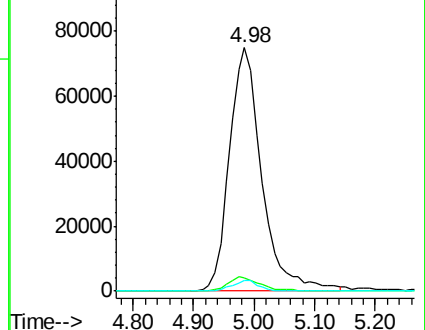
100 4.2 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

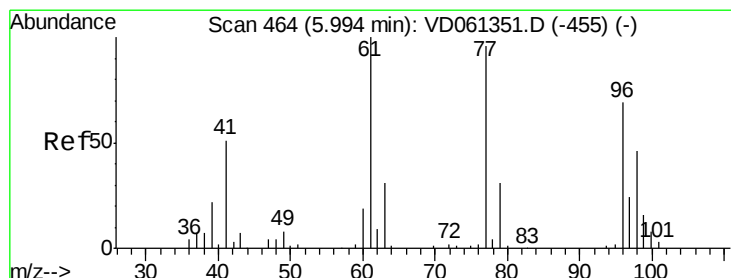
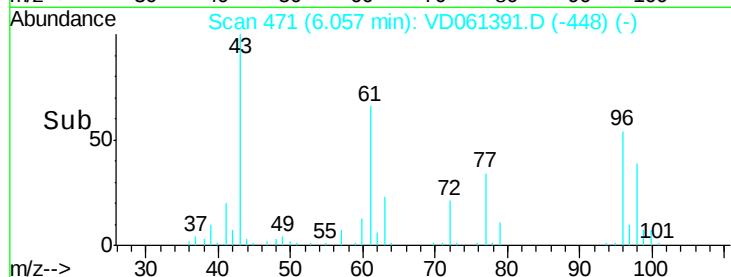
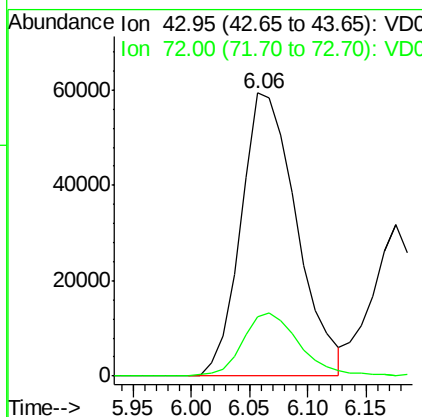
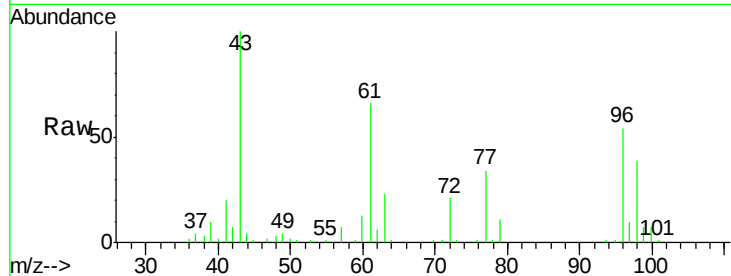




#25
2-Butanone
Concen: 97.331 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

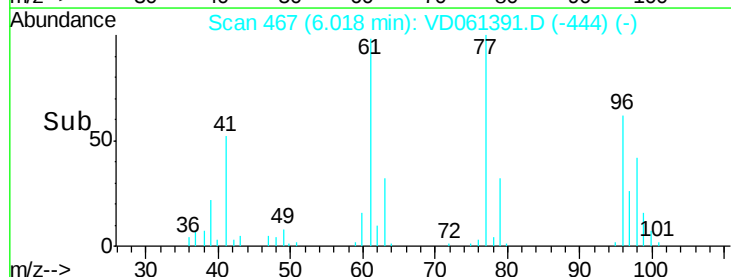
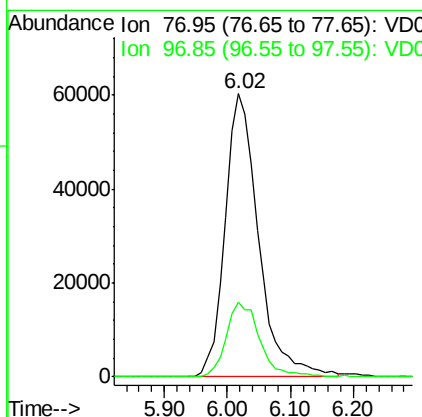
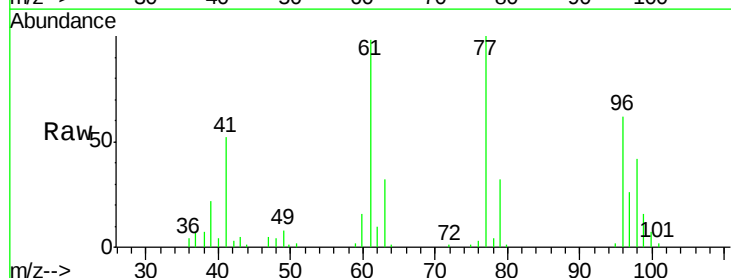
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

Tot Ion: 43 Resp: 196934
Ion Ratio Lower Upper
43 100
72 21.1 17.2 25.8



#26
2,2-Dichloropropane
Concen: 20.434 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.02 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion: 77 Resp: 221528
Ion Ratio Lower Upper
77 100
97 26.5 12.7 38.0



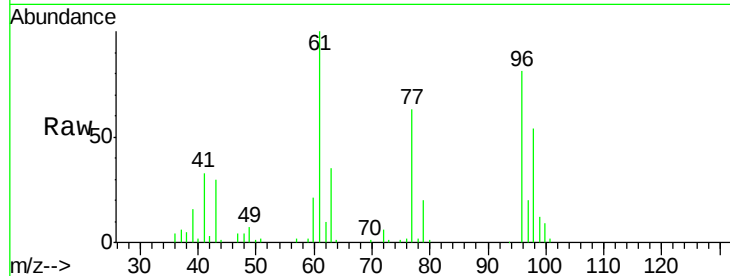


#27

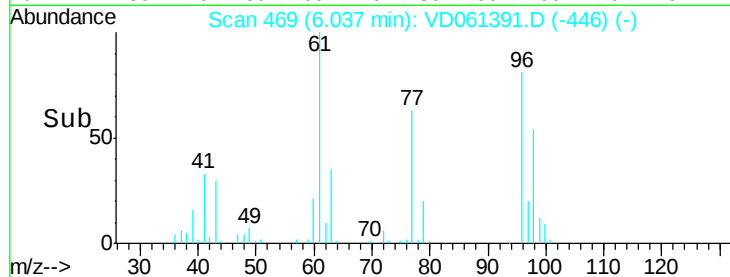
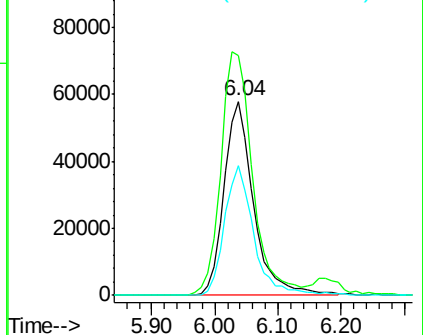
cis-1,2-Dichloroethene
Concen: 20.268 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.02 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

Tot Ion: 96 Resp: 188493
Ion Ratio Lower Upper
96 100
61 124.0 0.0 251.6
98 66.9 0.0 129.2



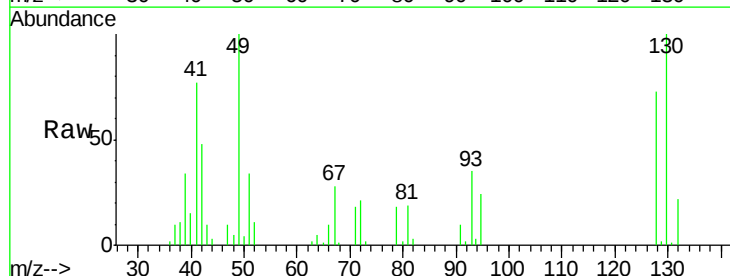
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



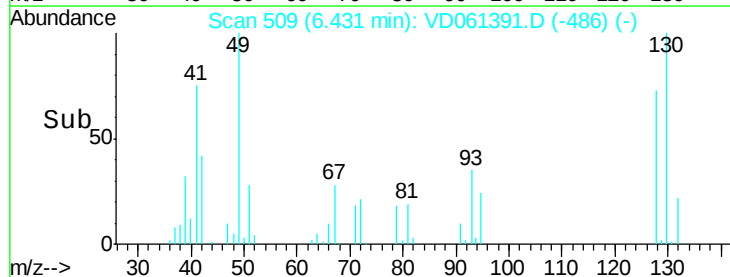
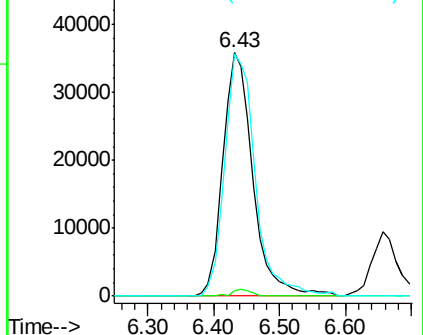
#28

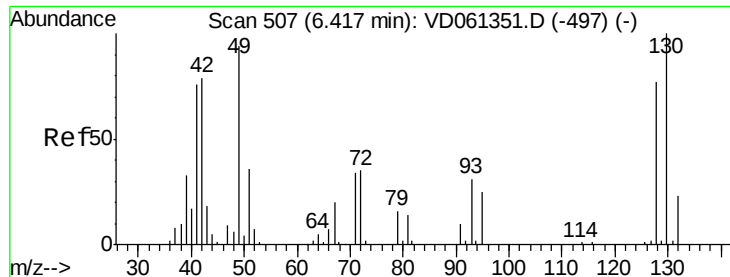
Bromochloromethane
Concen: 20.719 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion: 49 Resp: 114060
Ion Ratio Lower Upper
49 100
129 2.3 0.0 0.0#
130 99.7 78.4 117.6



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





#29

Tetrahydrofuran

Concen: 104.015 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.03 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

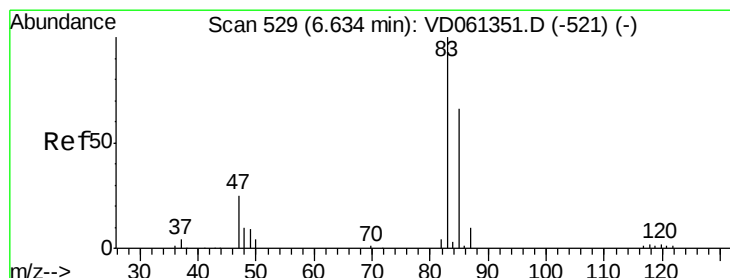
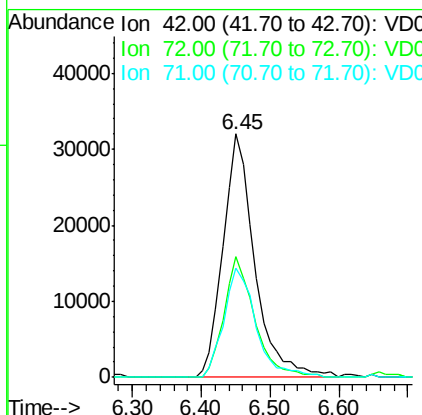
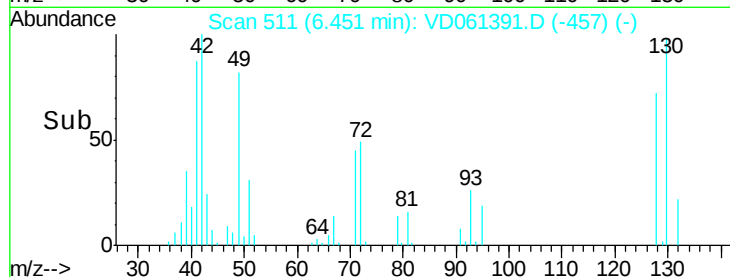
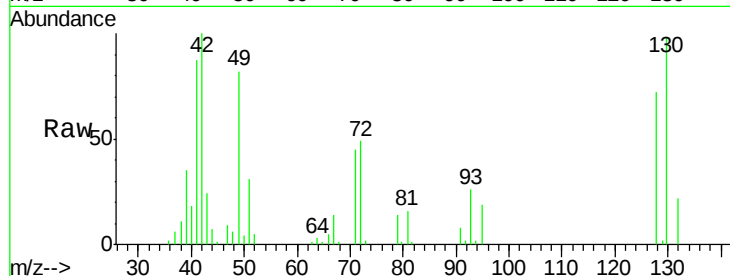
Tot Ion: 42 Resp: 102008

Ion Ratio Lower Upper

42 100

72 47.8 37.4 56.0

71 45.6 36.7 55.1



#30

Chloroform

Concen: 20.590 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.02 min

Lab File: VD061391.D

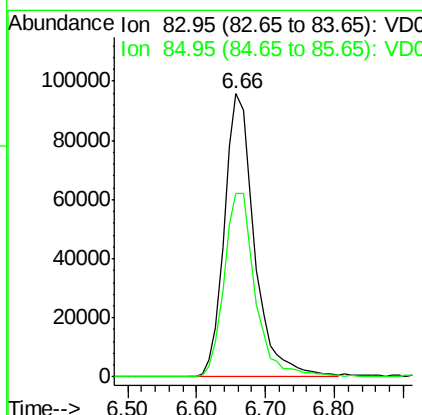
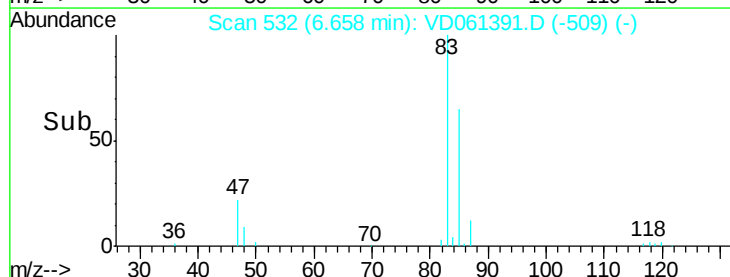
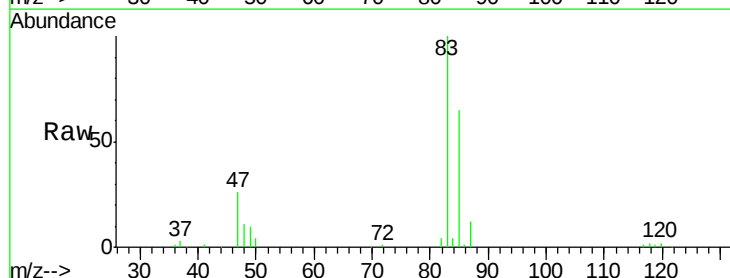
Acq: 28 Mar 2019 15:22

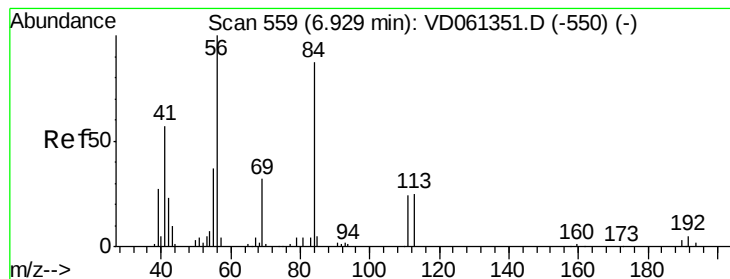
Tgt Ion: 83 Resp: 290140

Ion Ratio Lower Upper

83 100

85 64.7 53.0 79.4





#31

Cvclohexane

Concen: 19.926 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

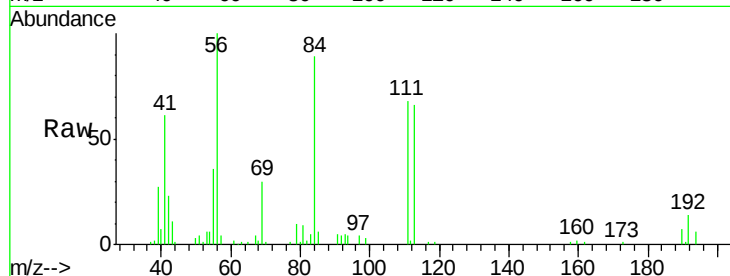
Tot Ion: 56 Resp: 214738

Ion Ratio Lower Upper

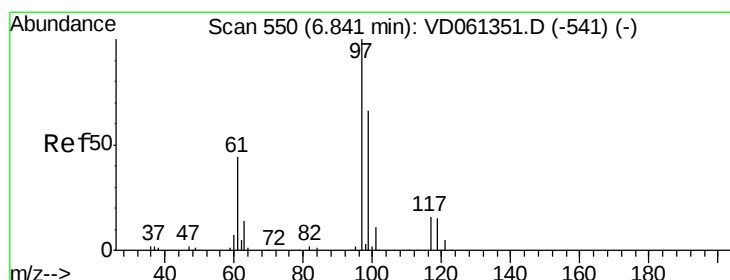
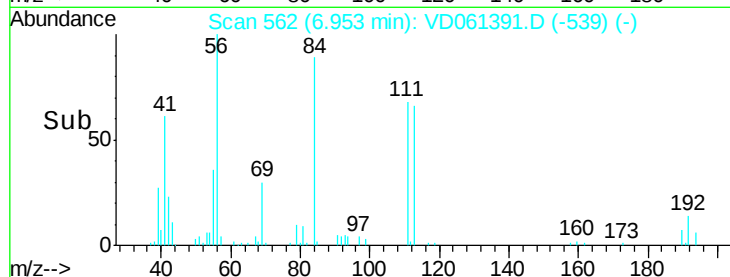
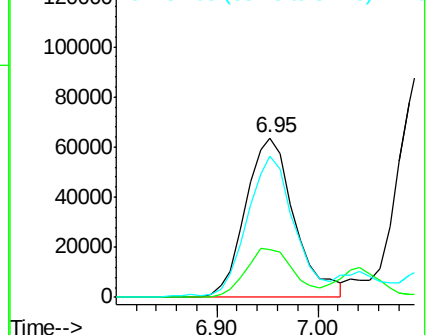
56 100

69 29.6 25.7 38.5

84 88.8 70.6 105.8



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: 19.581 ug/l

RT: 6.87 min Scan# 554

Delta R.T. 0.03 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

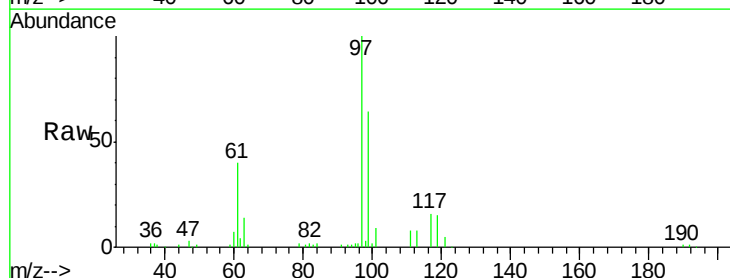
Tgt Ion: 97 Resp: 243427

Ion Ratio Lower Upper

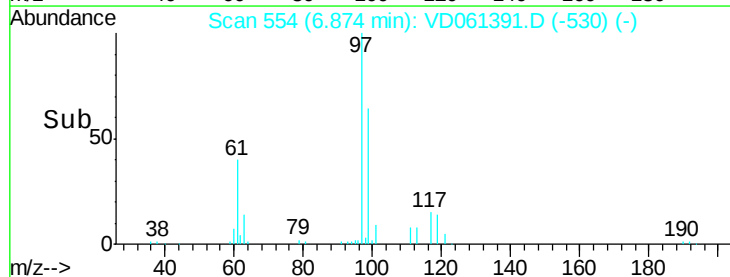
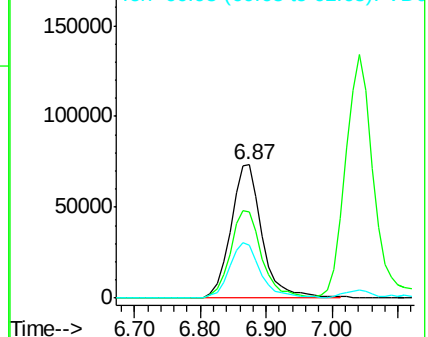
97 100

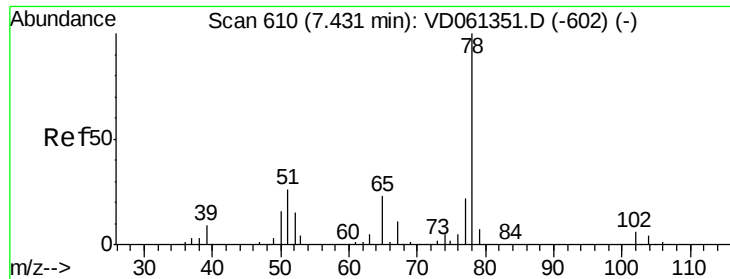
99 64.4 53.1 79.7

61 40.1 35.5 53.3



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: 19.581 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

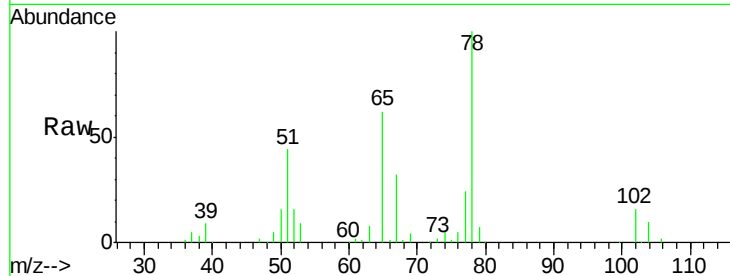
VD0328SBS01

Tot Ion: 65 Resp: 306577

Ion Ratio Lower Upper

65 100

67 50.9 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

120000

100000

80000

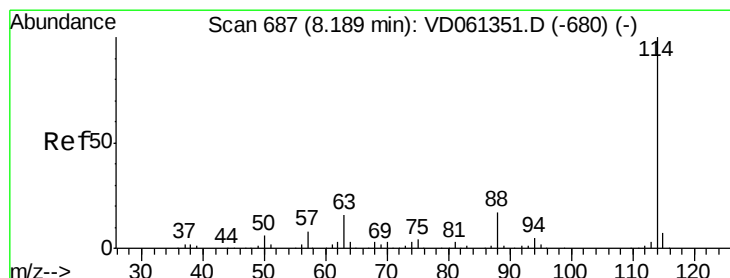
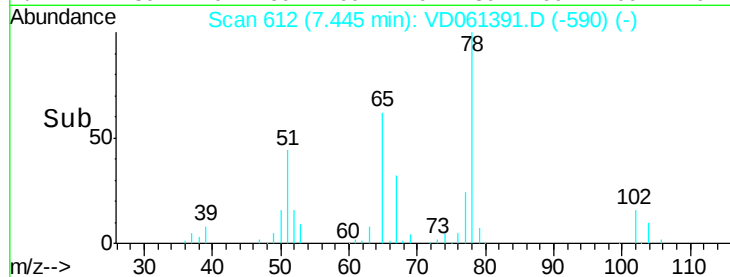
60000

40000

20000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

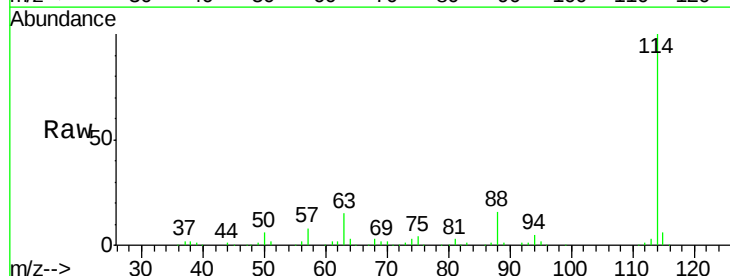
Tgt Ion:114 Resp: 1186629

Ion Ratio Lower Upper

114 100

63 15.1 0.0 31.6

88 15.7 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

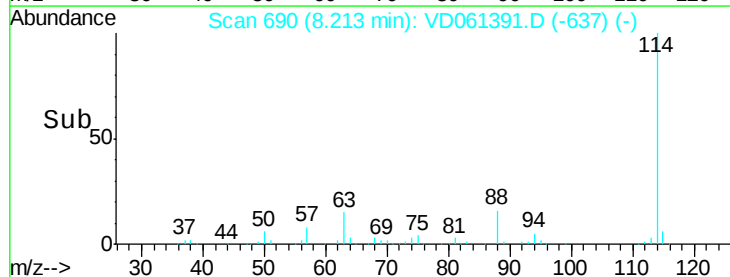
300000

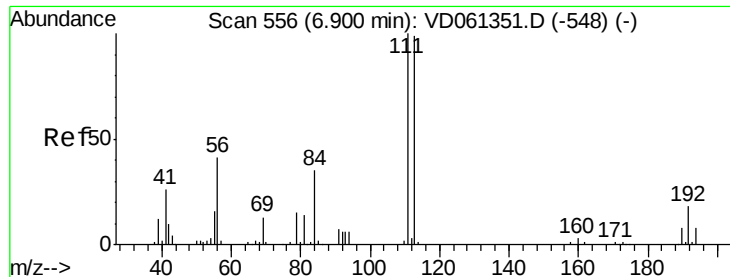
200000

100000

0

Time--> 8.00 8.20 8.40 8.60

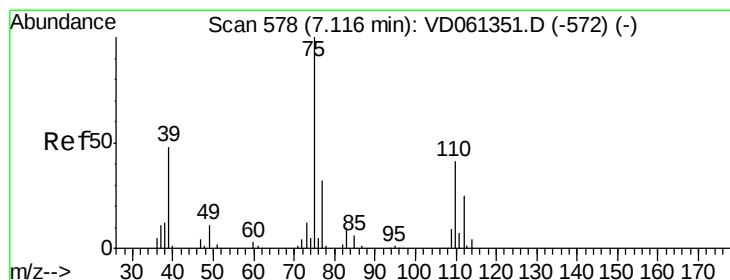
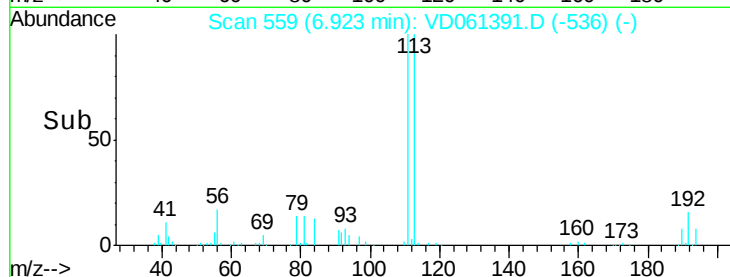
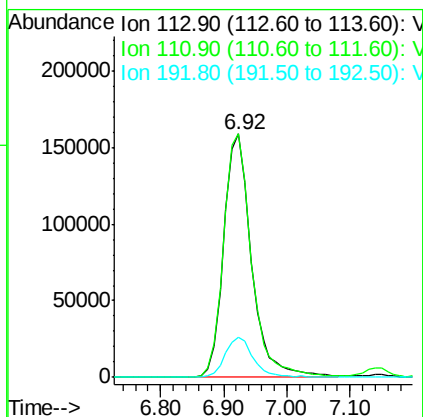
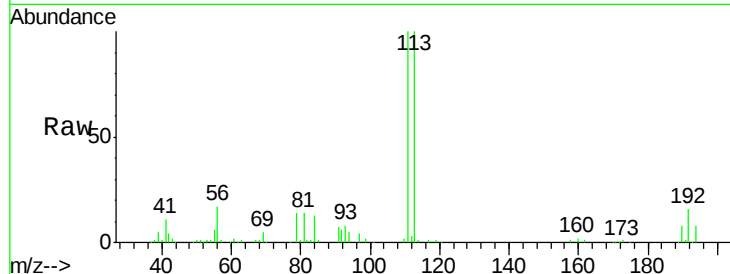




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

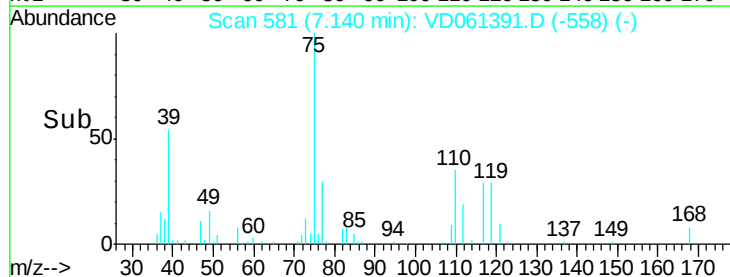
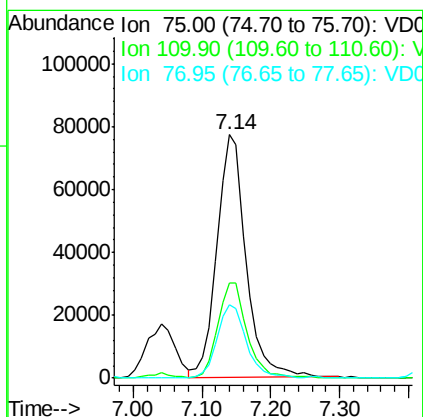
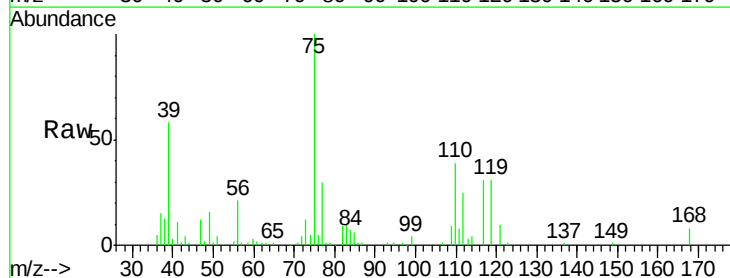
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS01

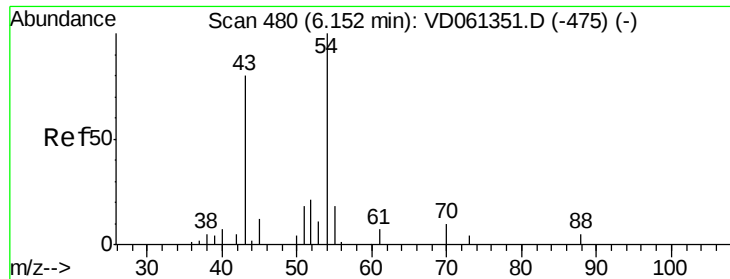
Tot Ion:113 Resp: 486292
 Ion Ratio Lower Upper
 113 100
 111 99.9 81.0 121.6
 192 16.5 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 21.830 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. 0.02 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

Tgt Ion: 75 Resp: 226086
 Ion Ratio Lower Upper
 75 100
 110 39.1 20.4 61.3
 77 30.3 24.9 37.3

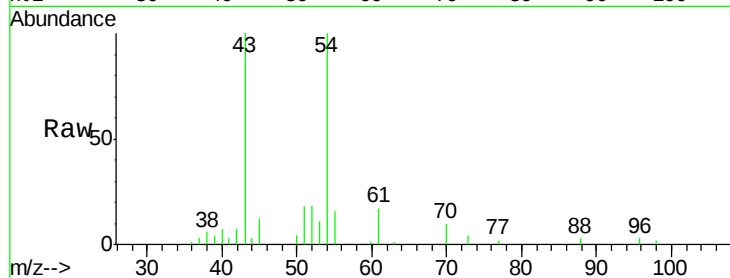




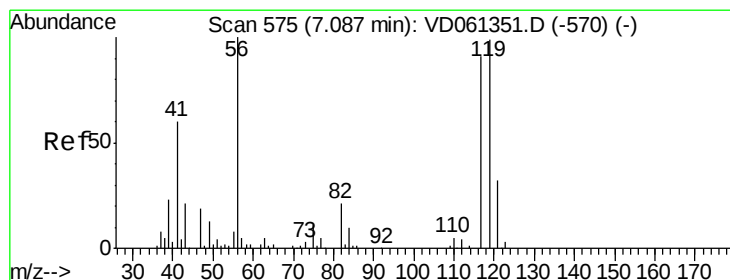
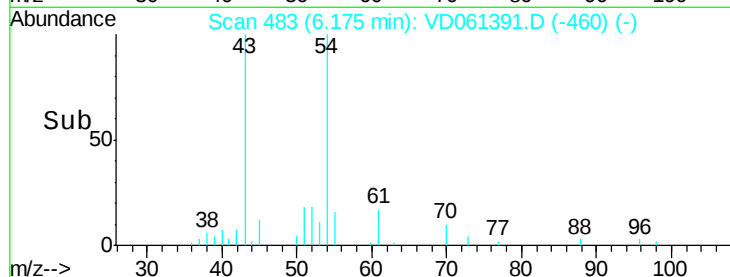
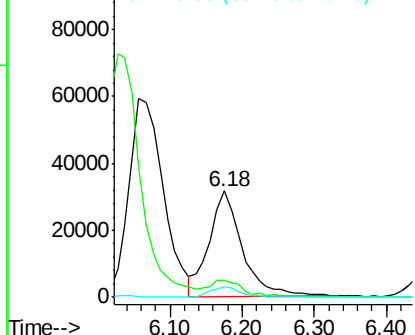
#37
Ethyl Acetate
Concen: 22.251 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

Tot Ion: 43 Resp: 98557
Ion Ratio Lower Upper
43 100
61 16.6 13.8 20.8
70 10.0 7.8 11.8

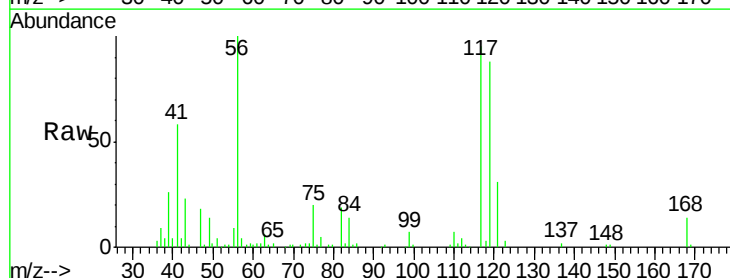


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

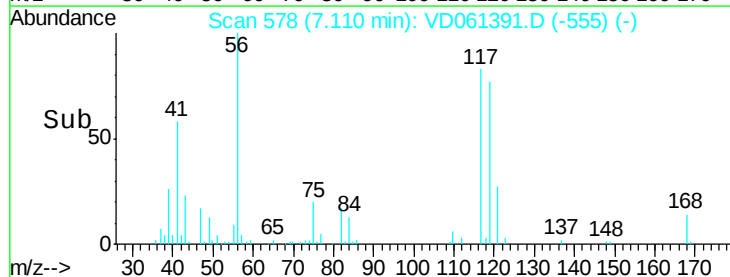
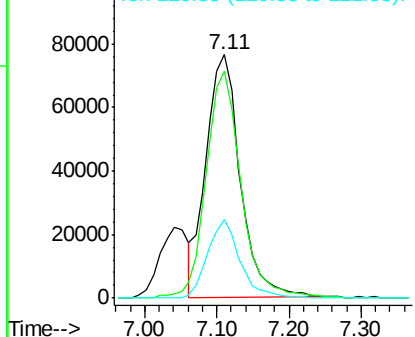


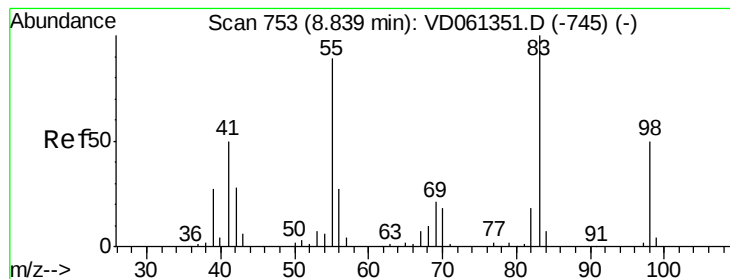
#38
Carbon Tetrachloride
Concen: 21.011 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion: 117 Resp: 250049
Ion Ratio Lower Upper
117 100
119 93.1 80.1 120.1
121 32.5 25.6 38.4



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: 21.395 ug/l

RT: 8.85 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

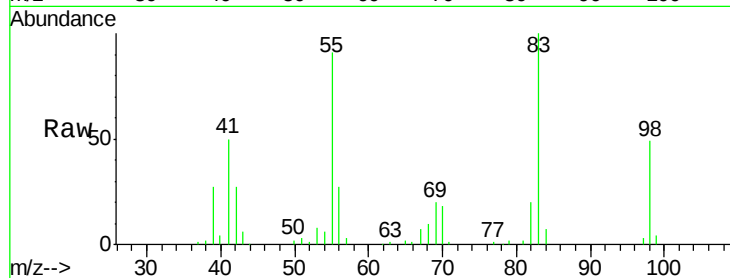
Tot Ion: 83 Resp: 230778

Ion Ratio Lower Upper

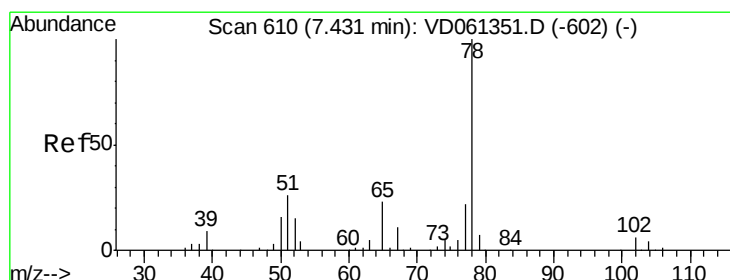
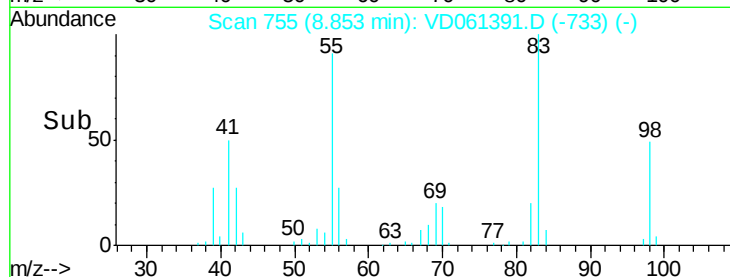
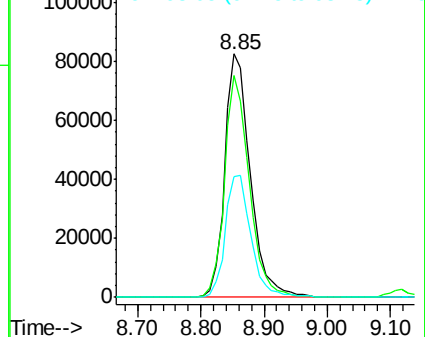
83 100

55 91.0 71.5 107.3

98 49.4 40.3 60.5



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



#40

Benzene

Concen: 21.013 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061391.D

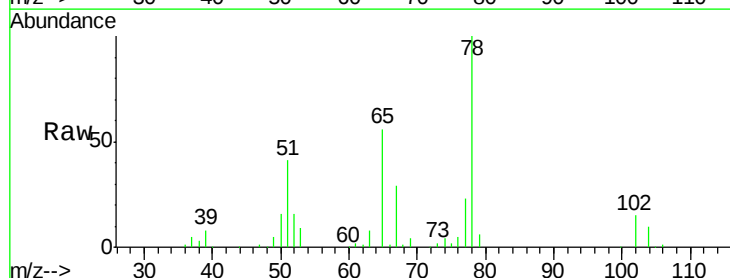
Acq: 28 Mar 2019 15:22

Tgt Ion: 78 Resp: 546165

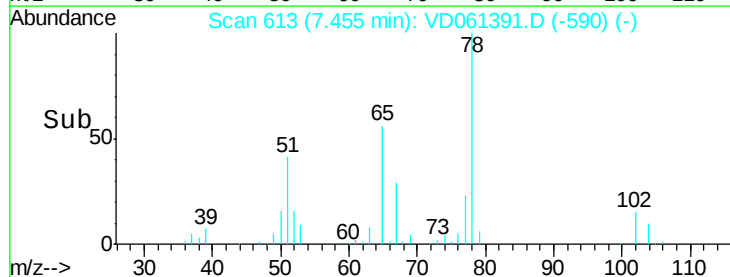
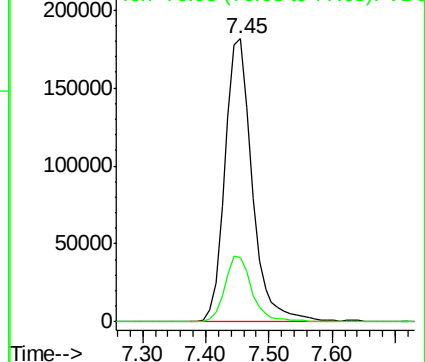
Ion Ratio Lower Upper

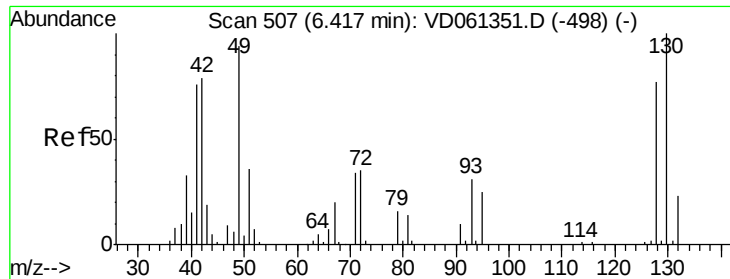
78 100

77 23.0 17.8 26.6



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





#41

Methacrylonitrile

Concen: 21.611 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.03 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

Tot Ion: 41 Resp: 111920

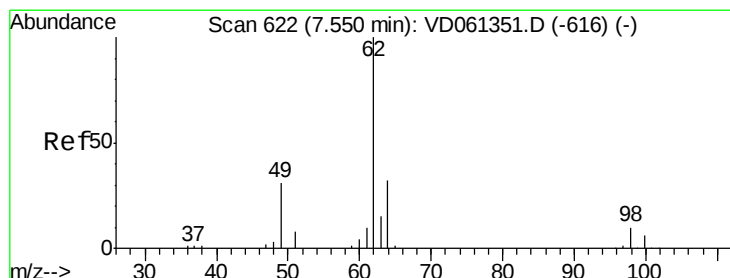
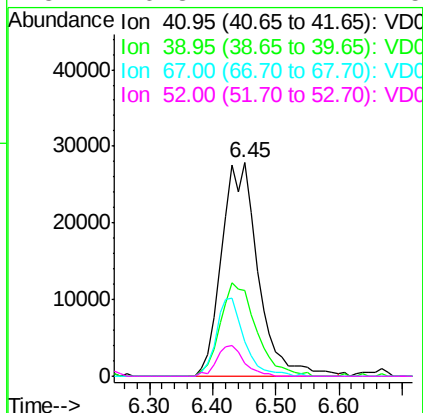
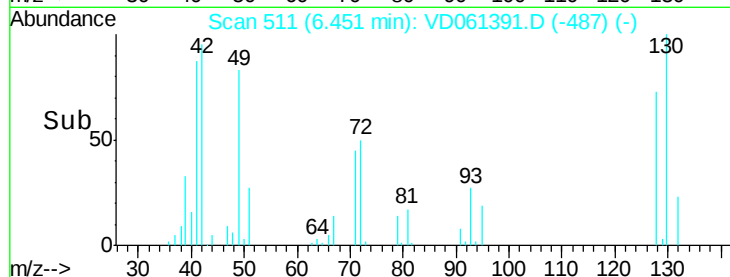
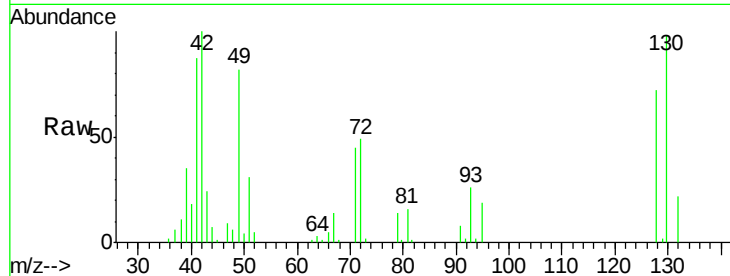
Ion Ratio Lower Upper

41 100

39 40.0 35.0 52.6

67 16.1 21.0 31.6#

52 6.3 7.7 11.5#



#42

1,2-Dichloroethane

Concen: 21.391 ug/l

RT: 7.57 min Scan# 625

Delta R.T. 0.02 min

Lab File: VD061391.D

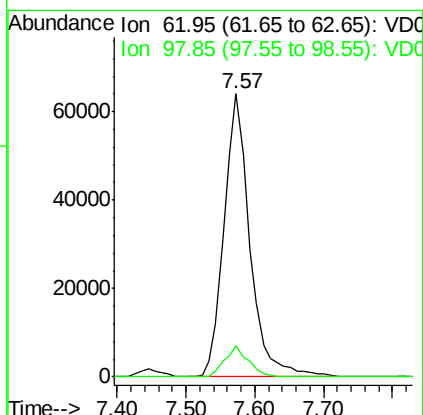
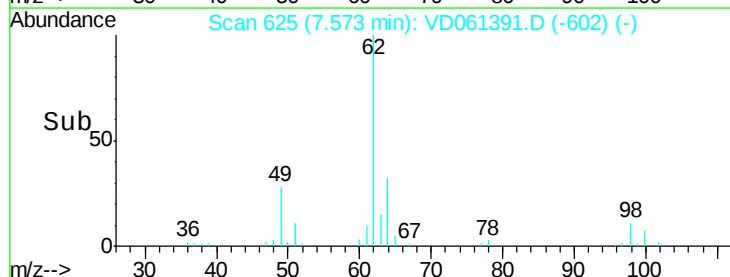
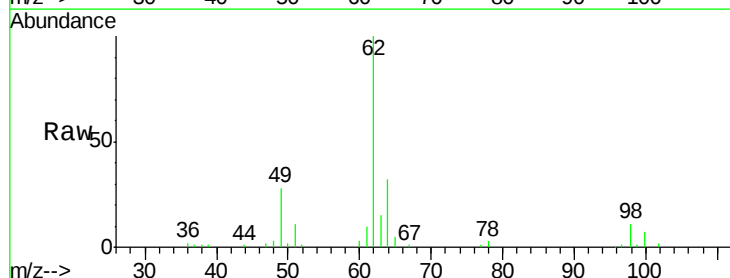
Acq: 28 Mar 2019 15:22

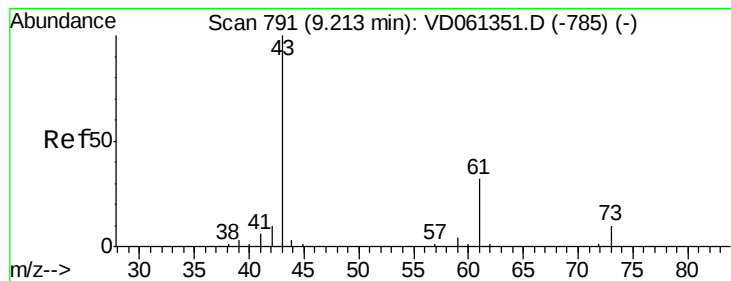
Tgt Ion: 62 Resp: 166310

Ion Ratio Lower Upper

62 100

98 11.0 0.0 19.8





#43

Isopropyl Acetate

Concen: 20.763 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

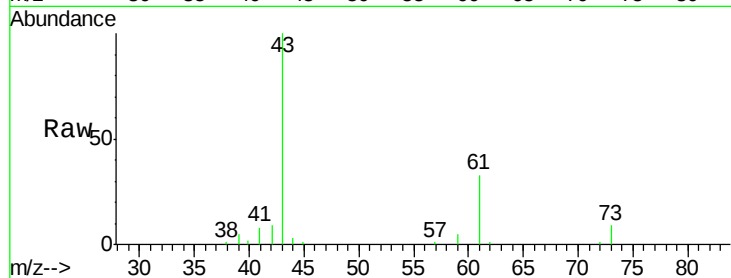
Tot Ion: 43 Resp: 133806

Ion Ratio Lower Upper

43 100

61 32.9 25.8 38.6

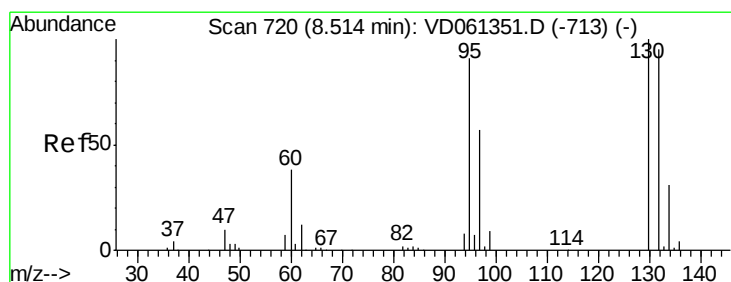
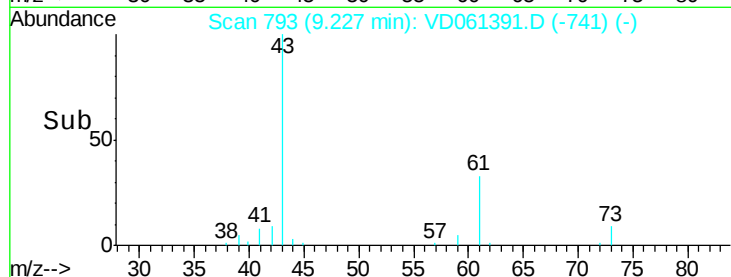
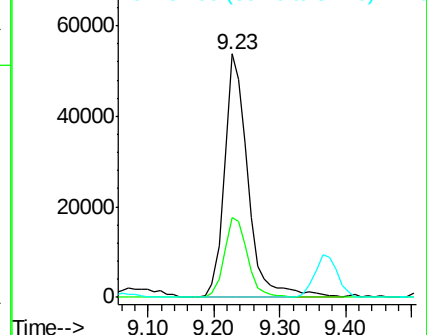
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.440 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.02 min

Lab File: VD061391.D

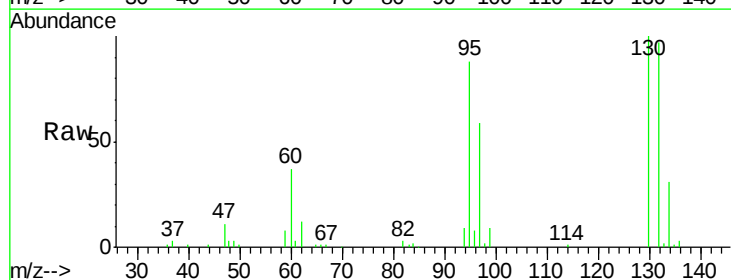
Acq: 28 Mar 2019 15:22

Tgt Ion:130 Resp: 188043

Ion Ratio Lower Upper

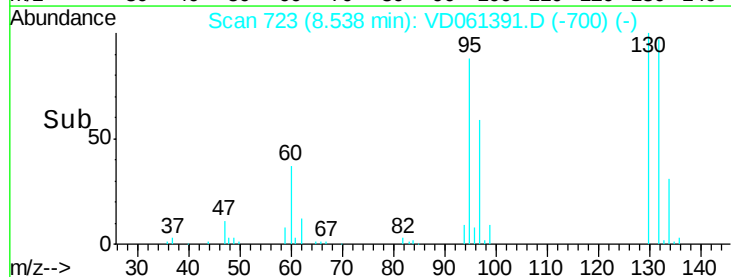
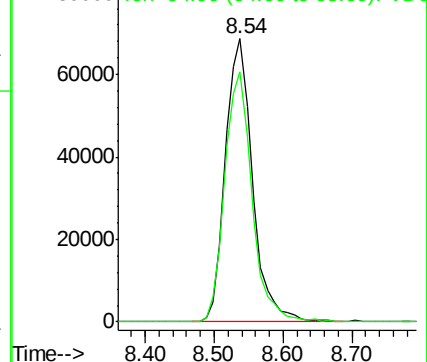
130 100

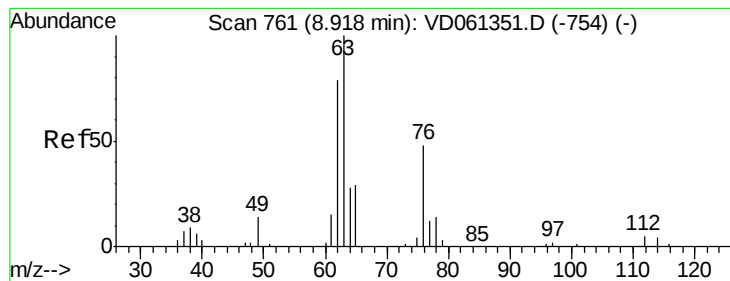
95 88.3 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.469 ug/l

RT: 8.93 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

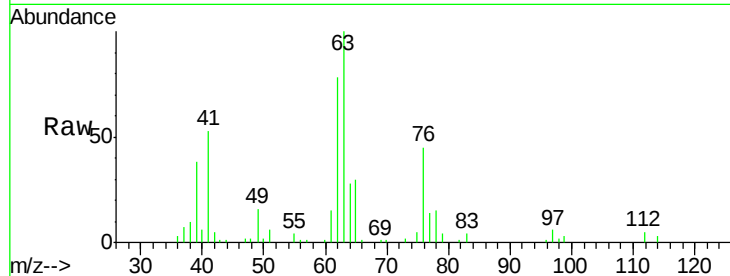
VD0328SBS01

Tot Ion: 63 Resp: 134908

Ion Ratio Lower Upper

63 100

65 30.1 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

60000

50000

40000

30000

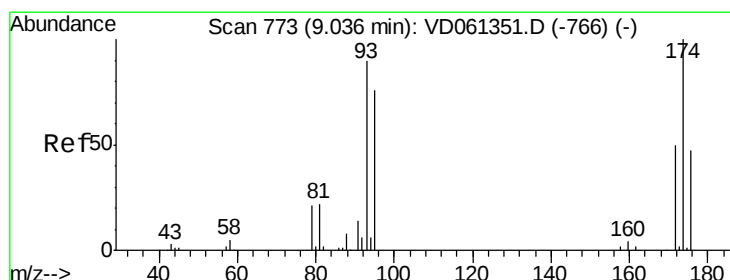
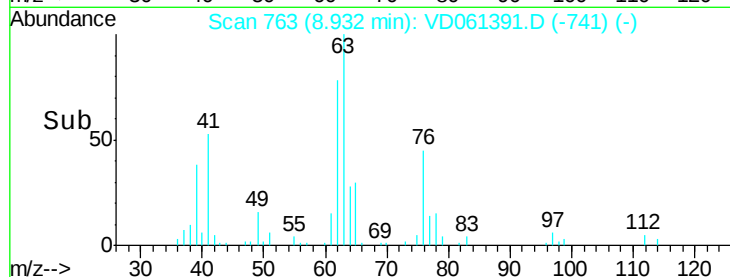
20000

10000

0

Time-->

8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 21.316 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.02 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

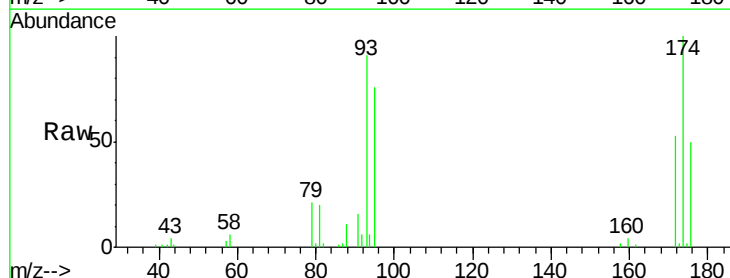
Tgt Ion: 93 Resp: 94561

Ion Ratio Lower Upper

93 100

95 83.7 67.4 101.0

174 110.0 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

50000

40000

30000

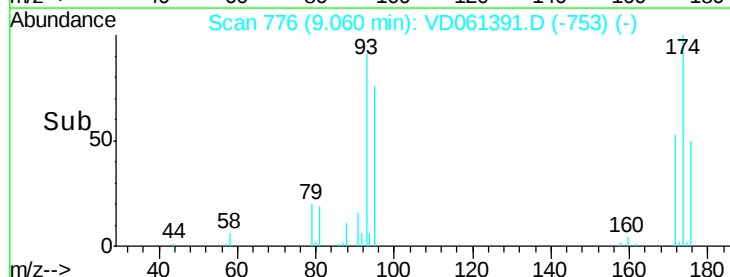
20000

10000

0

Time-->

9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 22.076 ug/l

RT: 9.36 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

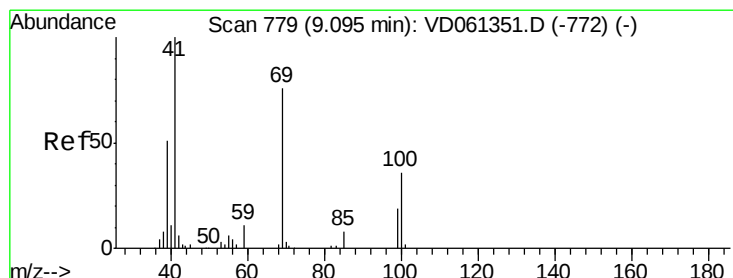
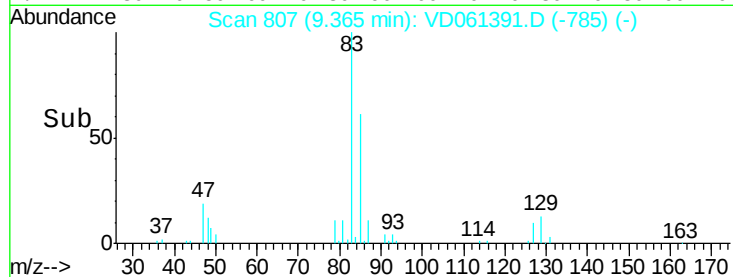
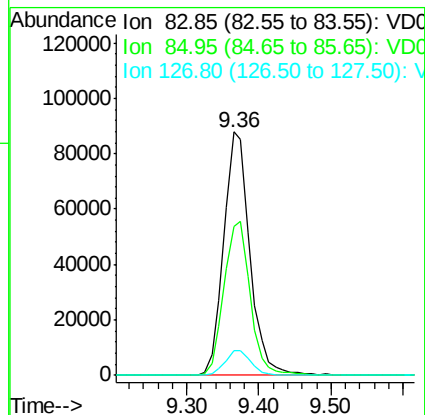
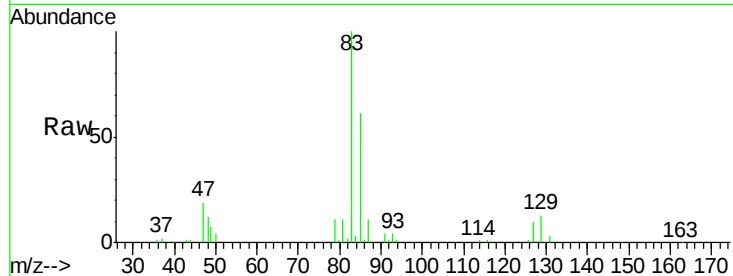
Tot Ion: 83 Resp: 219808

Ion Ratio Lower Upper

83 100

85 61.2 53.0 79.4

127 10.0 8.4 12.6



#48

Methyl methacrylate

Concen: 22.204 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

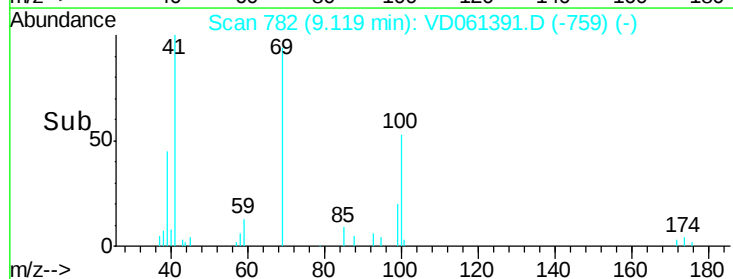
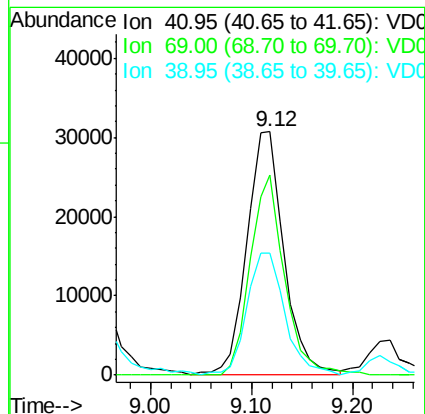
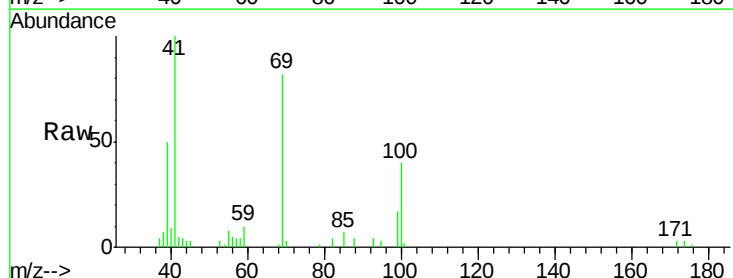
Tgt Ion: 41 Resp: 78970

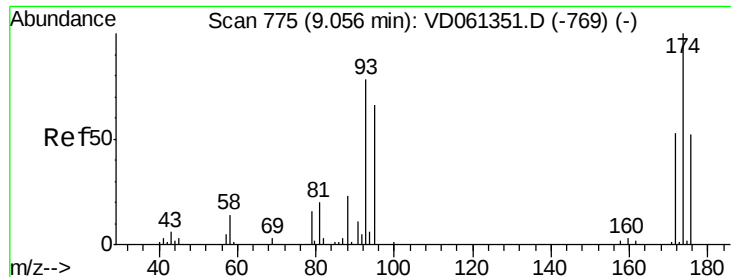
Ion Ratio Lower Upper

41 100

69 82.0 60.2 90.4

39 49.9 41.4 62.2





#49

1,4-Dioxane

Concen: 439.924 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

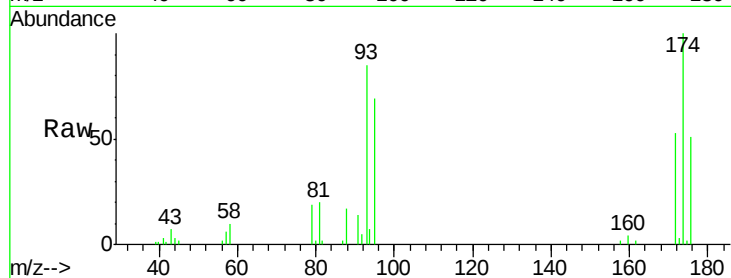
Tot Ion: 88 Resp: 17258

Ion Ratio Lower Upper

88 100

43 40.2 23.3 34.9#

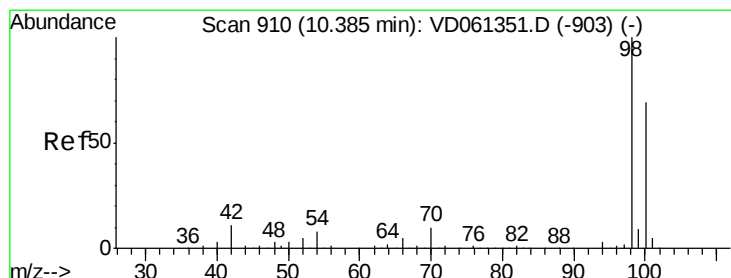
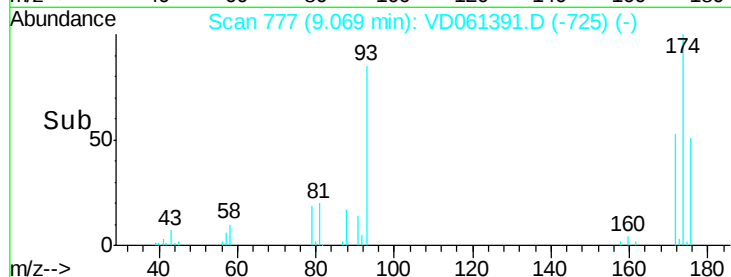
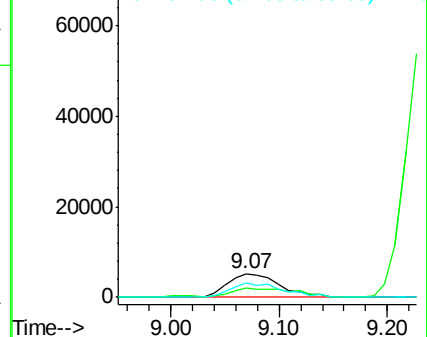
58 61.4 50.8 76.2



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: 439.924 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD061391.D

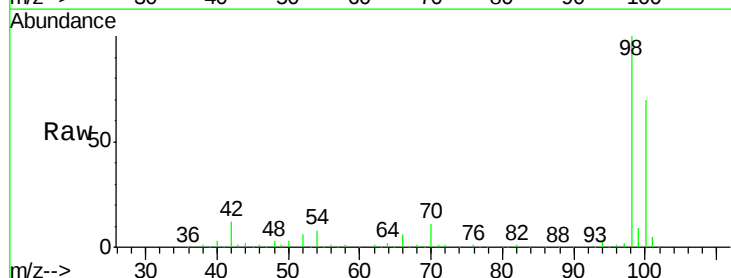
Acq: 28 Mar 2019 15:22

Tgt Ion: 98 Resp: 1200414

Ion Ratio Lower Upper

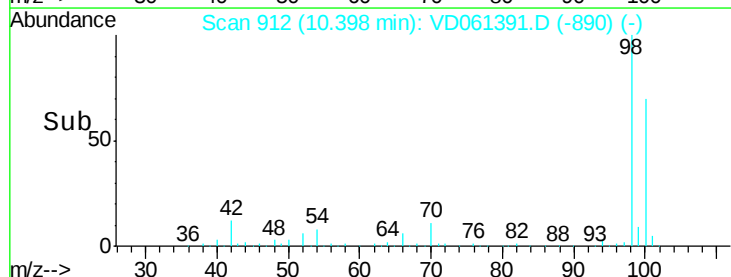
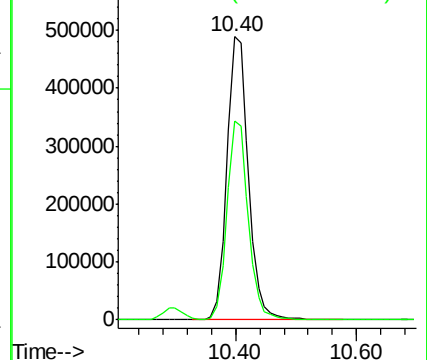
98 100

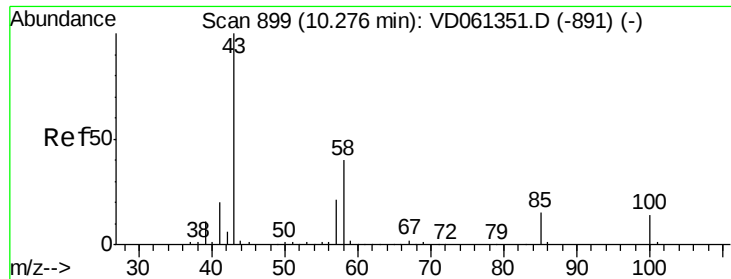
100 70.2 56.2 84.2



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: 104.022 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

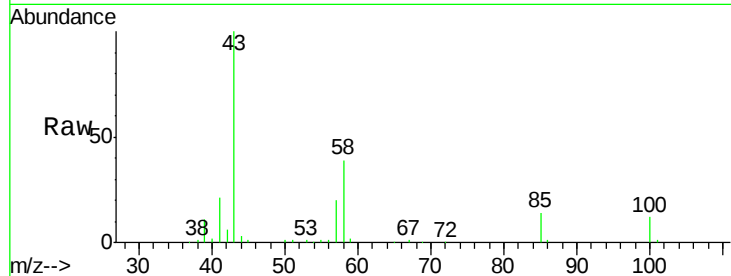
VD0328SBS01

Tot Ion: 43 Resp: 407847

Ion Ratio Lower Upper

43 100

58 39.1 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

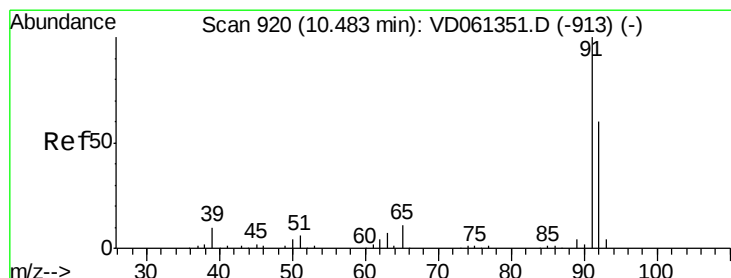
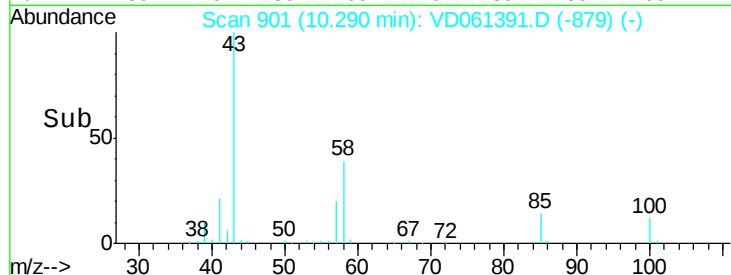
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 23.339 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD061391.D

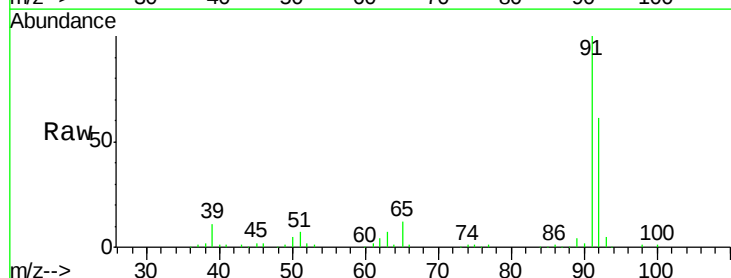
Acq: 28 Mar 2019 15:22

Tgt Ion: 92 Resp: 370095

Ion Ratio Lower Upper

92 100

91 164.3 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

250000

200000

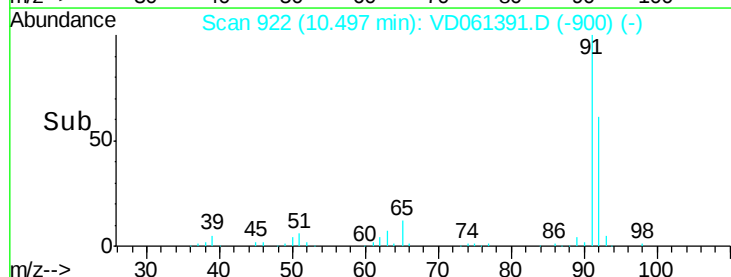
150000

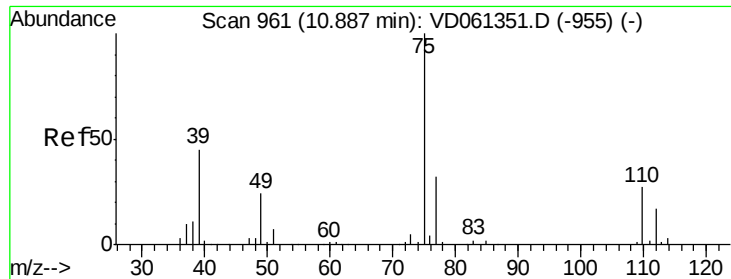
100000

50000

0

Time-->

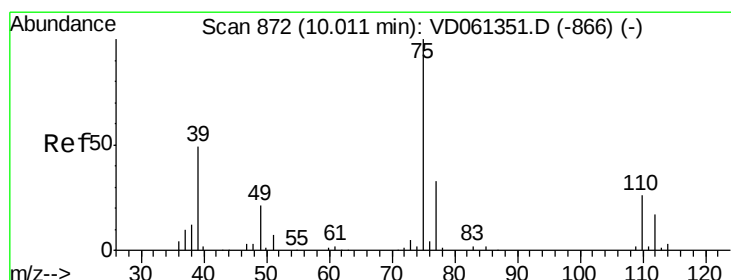
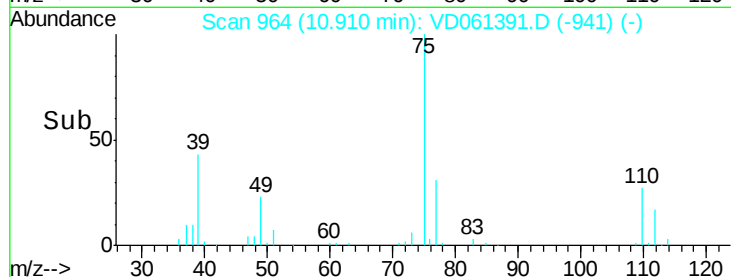
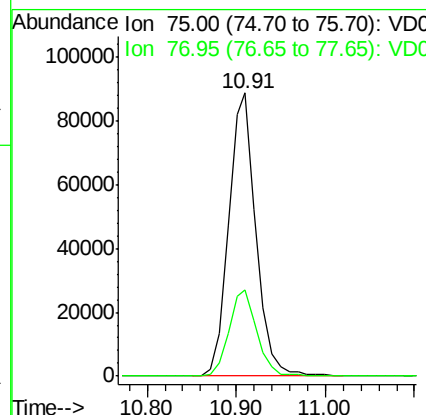
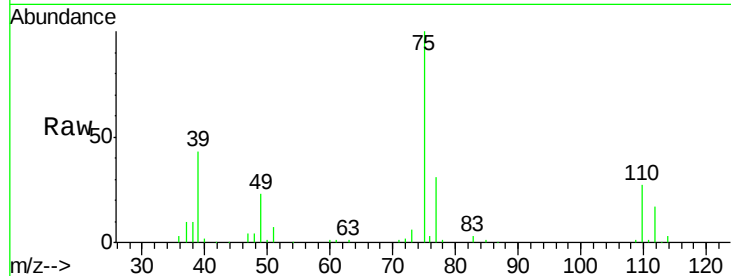




#53
t-1,3-Dichloropropene
Concen: 21.001 ug/l
RT: 10.91 min Scan# 964
Delta R.T. 0.02 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

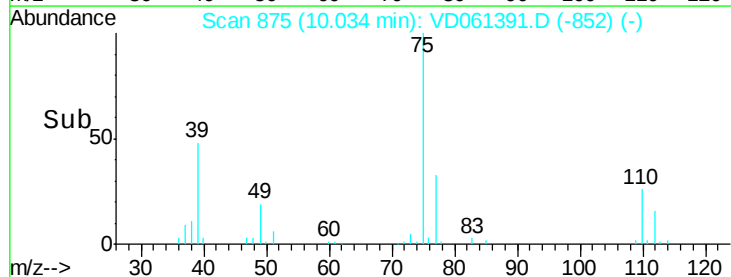
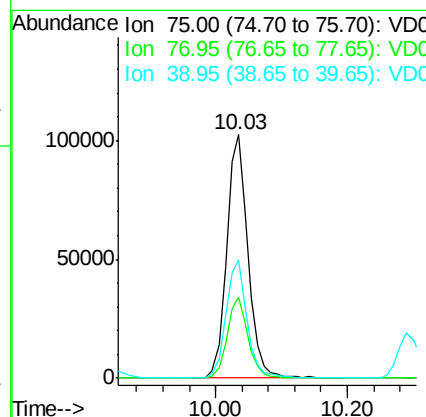
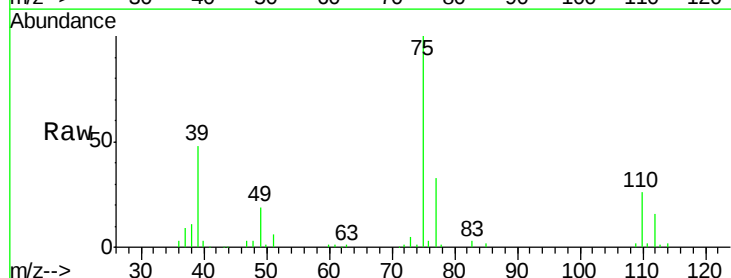
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

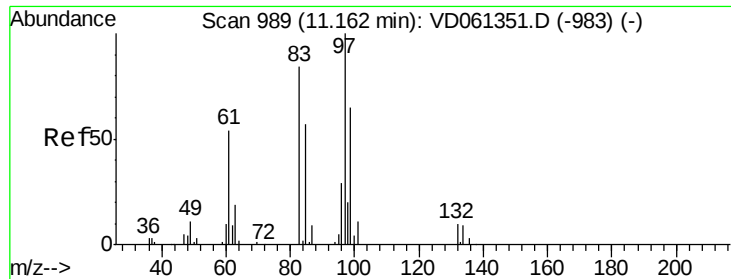
Tot Ion: 75 Resp: 189979
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 20.868 ug/l
RT: 10.03 min Scan# 875
Delta R.T. 0.02 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion: 75 Resp: 229870
Ion Ratio Lower Upper
75 100
77 33.3 26.2 39.4
39 48.3 39.4 59.0

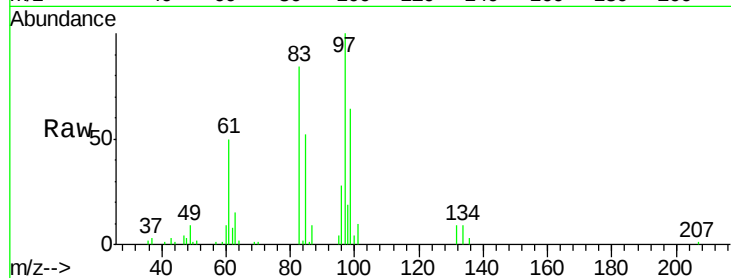




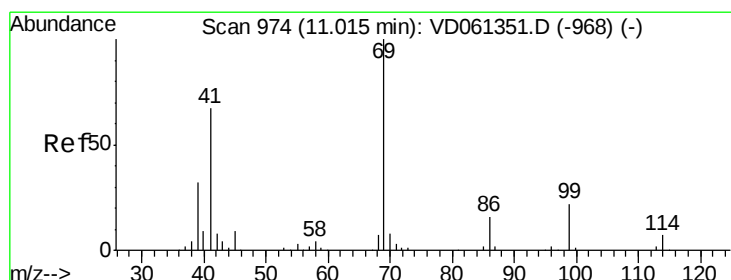
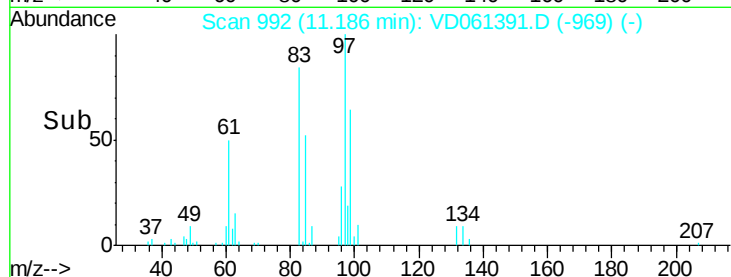
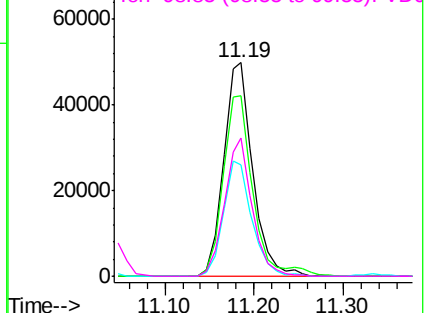
#55
1,1,2-Trichloroethane
Concen: 20.562 ug/l
RT: 11.19 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

Tot Ion:	97	Resp:	114027
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.0	100.6
85	52.4	45.4	68.2
99	64.4	51.9	77.9

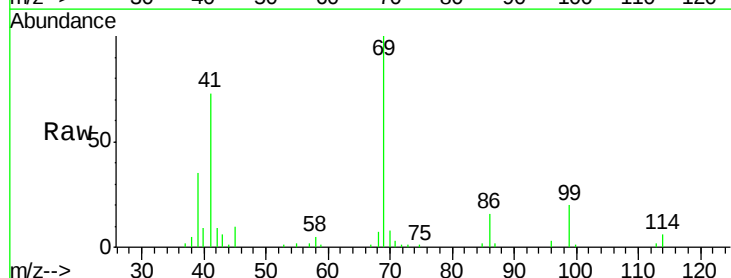


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

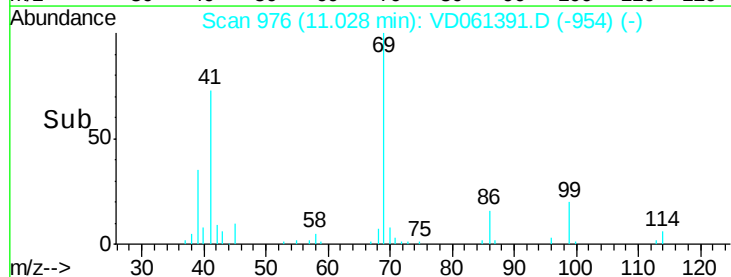
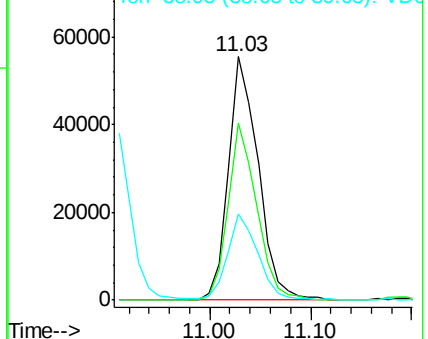


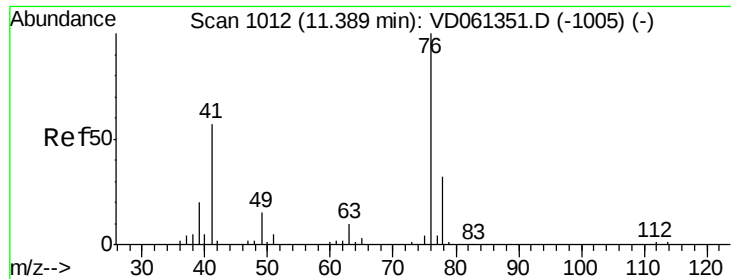
#56
Ethyl methacrylate
Concen: 19.096 ug/l
RT: 11.03 min Scan# 976
Delta R.T. 0.01 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion:	69	Resp:	113765
Ion	Ratio	Lower	Upper
69	100		
41	72.9	53.8	80.6
39	35.4	26.4	39.6



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

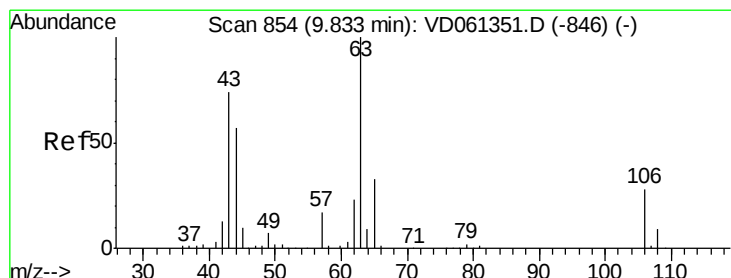
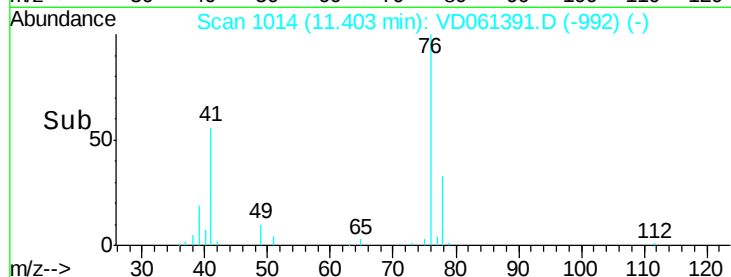
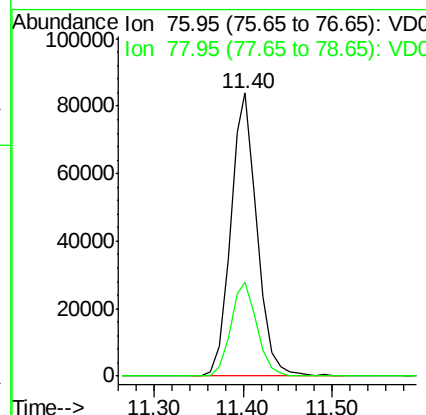
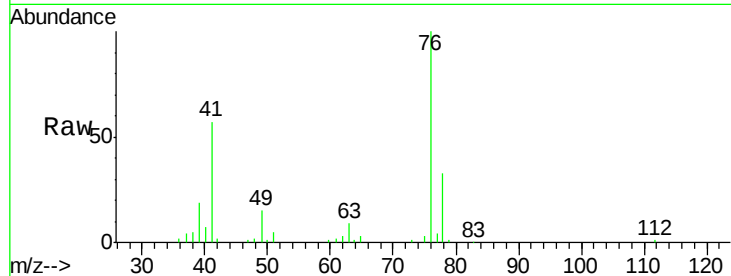




#57
 1,3-Dichloropropane
 Concen: 21.239 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

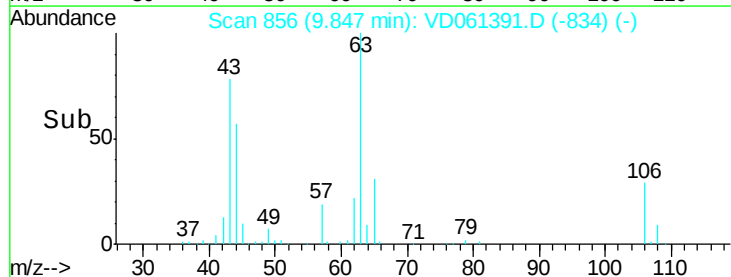
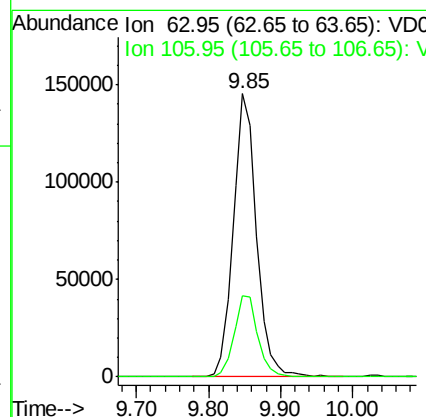
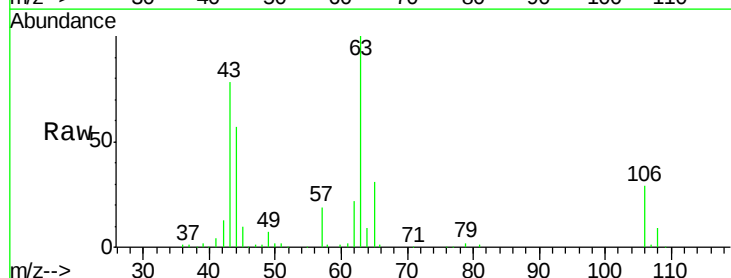
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS01

Tot Ion: 76 Resp: 173123
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.866 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

Tgt Ion: 63 Resp: 324552
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.4 33.6

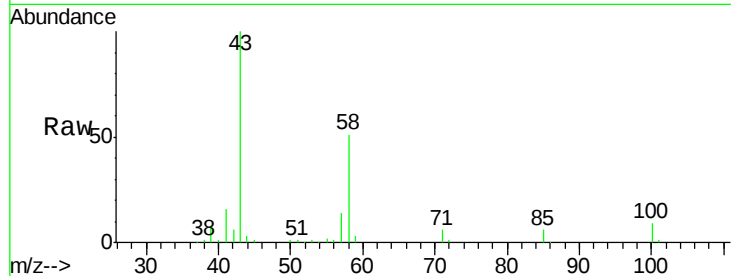




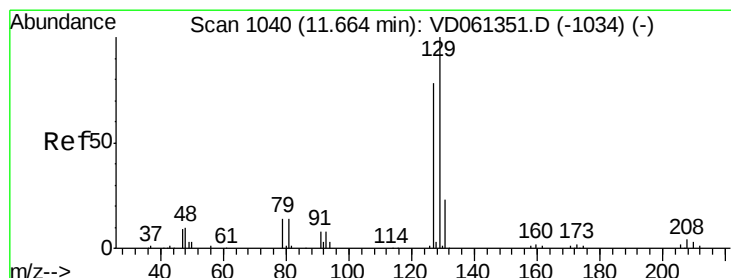
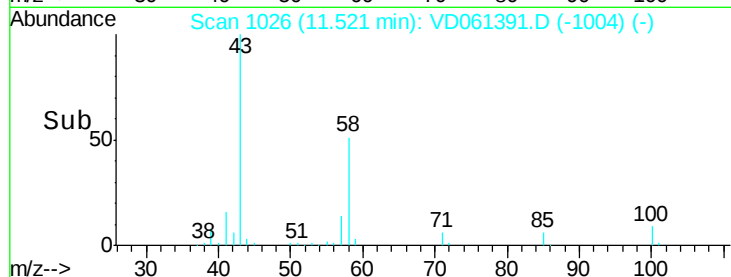
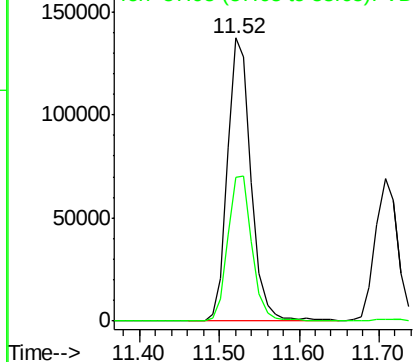
#59
2-Hexanone
Concen: 100.672 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

Tot Ion: 43 Resp: 285983
Ion Ratio Lower Upper
43 100
58 51.0 26.3 78.9

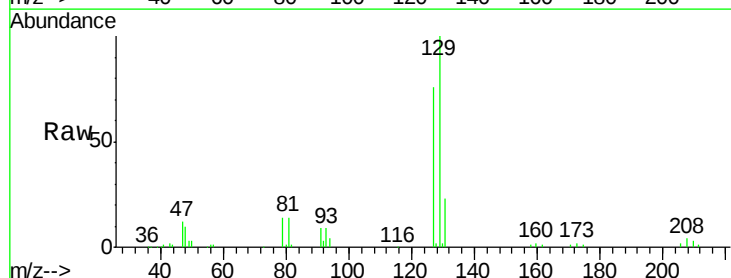


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

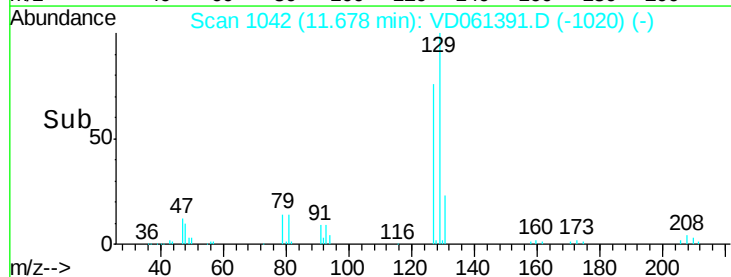
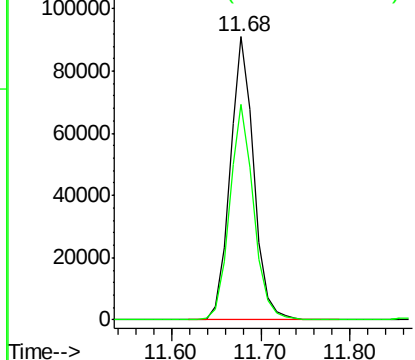


#60
Dibromochloromethane
Concen: 19.875 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion: 129 Resp: 169915
Ion Ratio Lower Upper
129 100
127 76.1 39.0 116.9



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

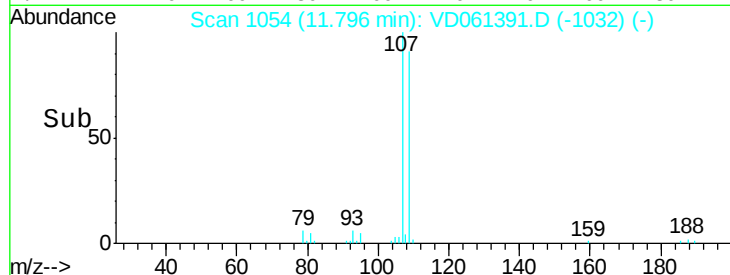
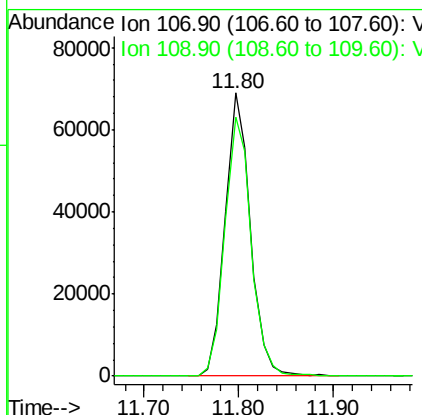
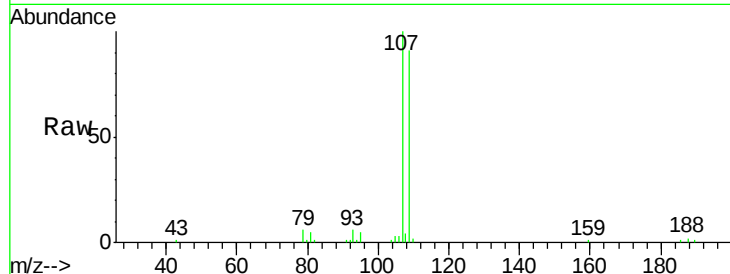




#61
 1,2-Dibromoethane
 Concen: 19.841 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

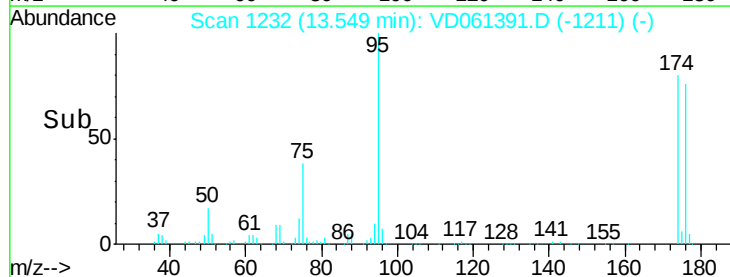
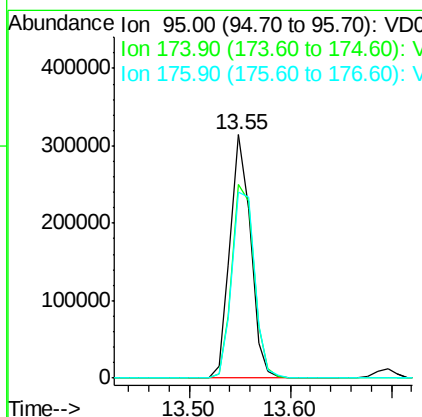
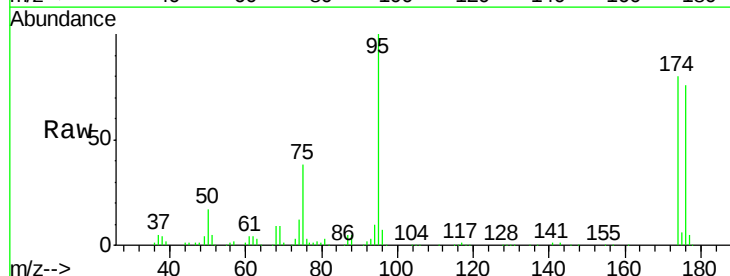
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS01

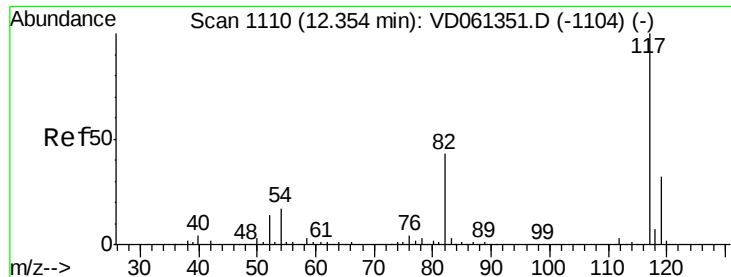
Tot Ion: 107 Resp: 127411
 Ion Ratio Lower Upper
 107 100
 109 91.4 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 19.841 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

Tgt Ion: 95 Resp: 445851
 Ion Ratio Lower Upper
 95 100
 174 79.8 0.0 178.0
 176 76.4 0.0 175.0

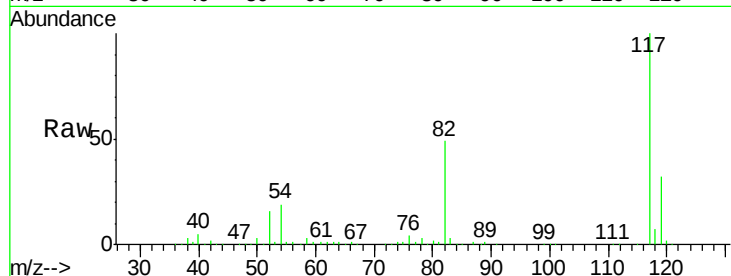




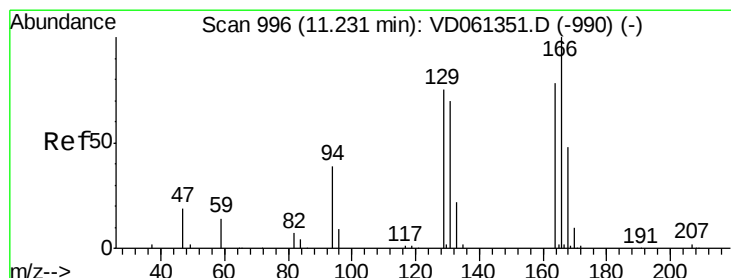
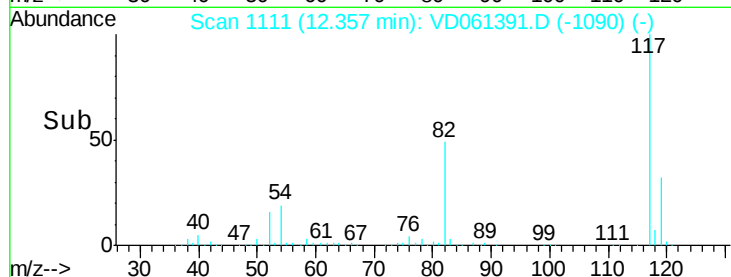
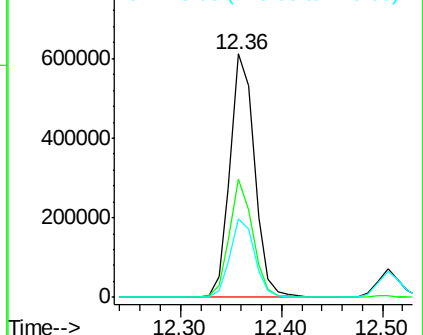
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

Tot Ion:117 Resp: 1033874
Ion Ratio Lower Upper
117 100
82 48.7 34.4 51.6
119 32.3 25.8 38.6

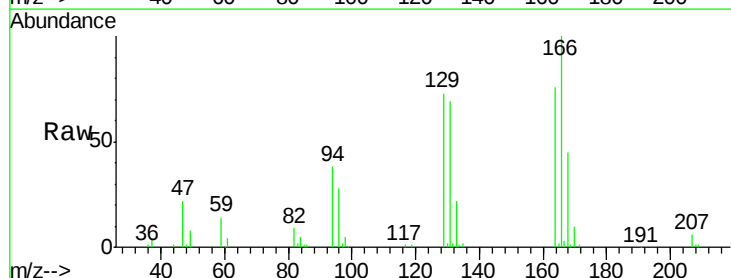


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

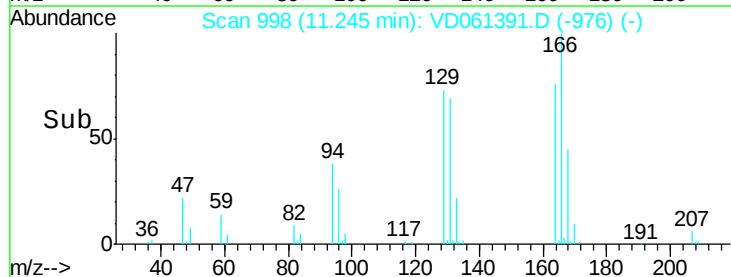
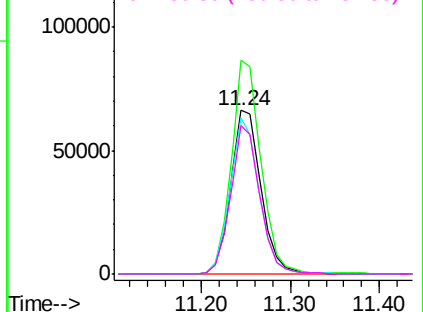


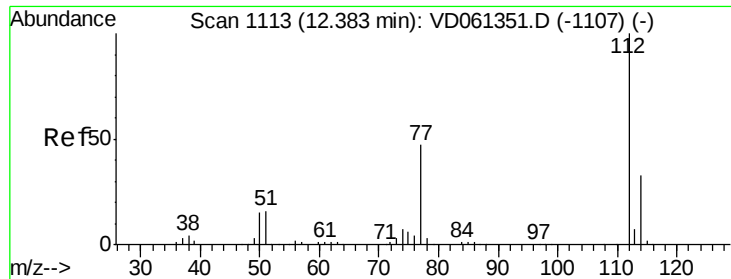
#64
Tetrachloroethene
Concen: 19.424 ug/l
RT: 11.24 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion:164 Resp: 157610
Ion Ratio Lower Upper
164 100
166 130.7 102.4 153.6
129 95.8 76.8 115.2
131 90.8 71.8 107.6



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

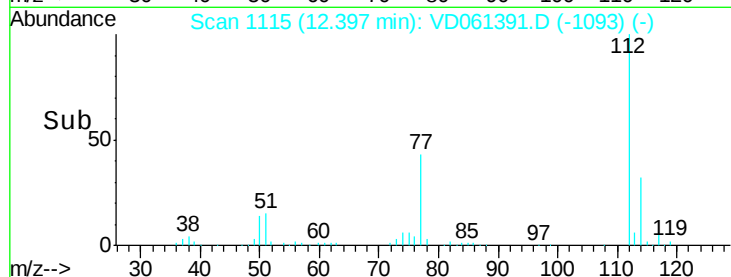
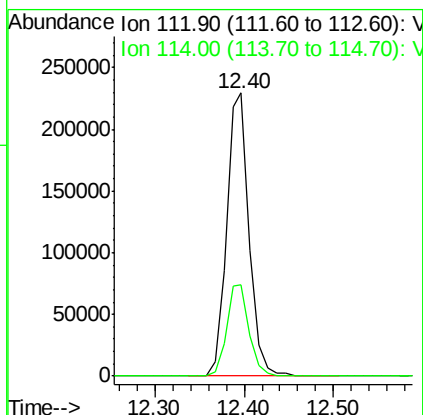
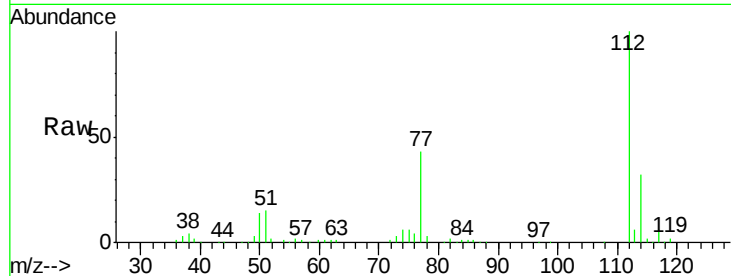




#65
Chlorobenzene
Concen: 19.173 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

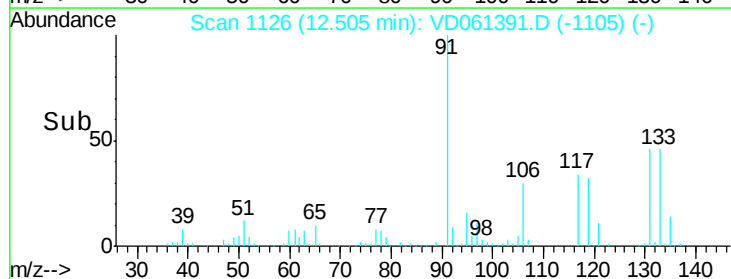
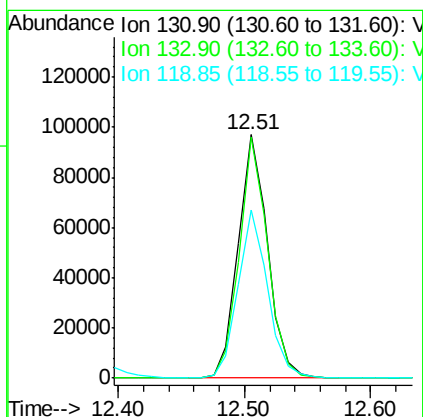
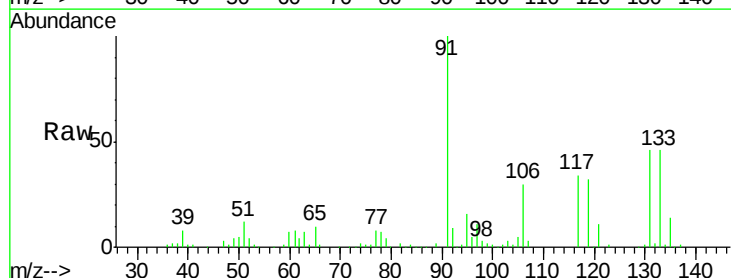
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

Tot Ion:112 Resp: 405101
Ion Ratio Lower Upper
112 100
114 32.5 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.094 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion:131 Resp: 156204
Ion Ratio Lower Upper
131 100
133 99.0 49.4 148.2
119 69.0 34.1 102.2

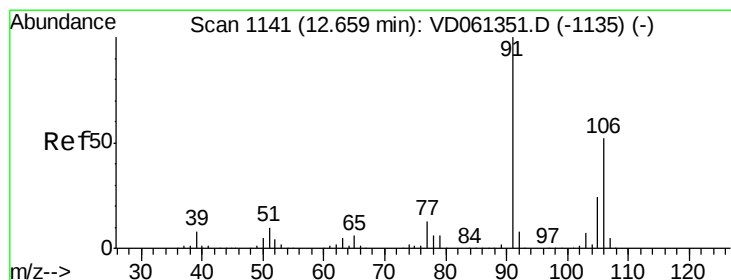
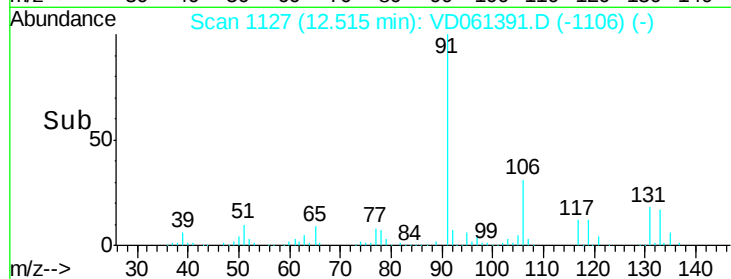
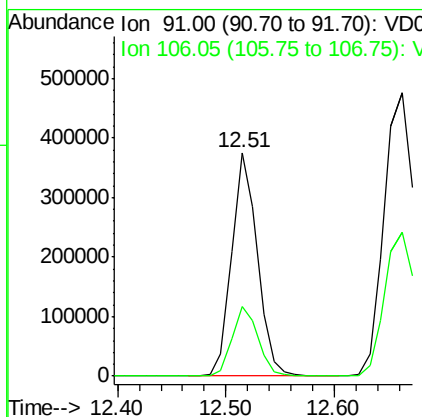
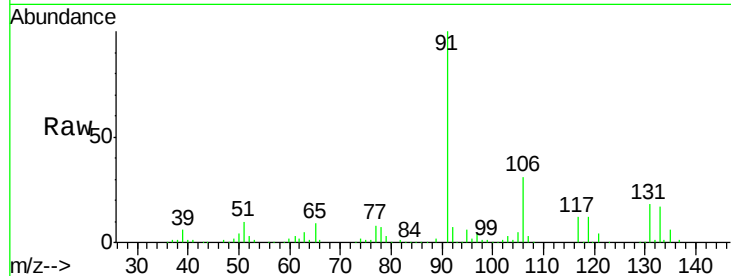




#67
Ethvl Benzene
Concen: 19.276 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

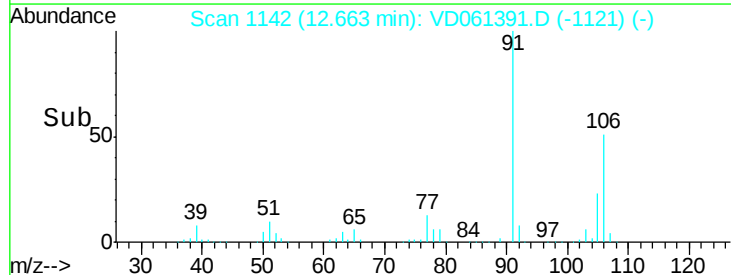
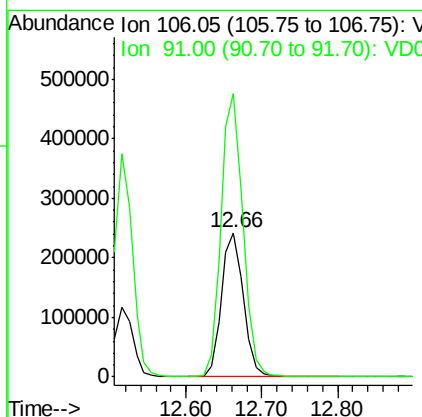
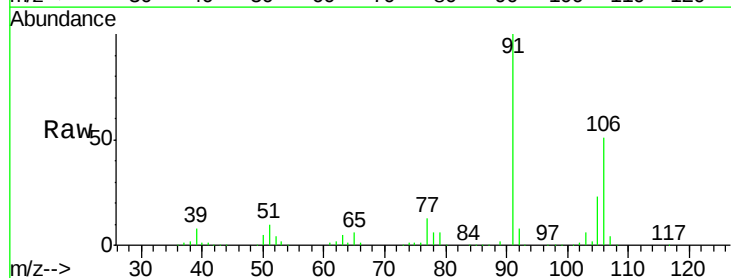
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

Tot Ion: 91 Resp: 621660
Ion Ratio Lower Upper
91 100
106 31.0 26.1 39.1



#68
m/p-Xylenes
Concen: 39.799 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion:106 Resp: 486209
Ion Ratio Lower Upper
106 100
91 196.1 153.1 229.7

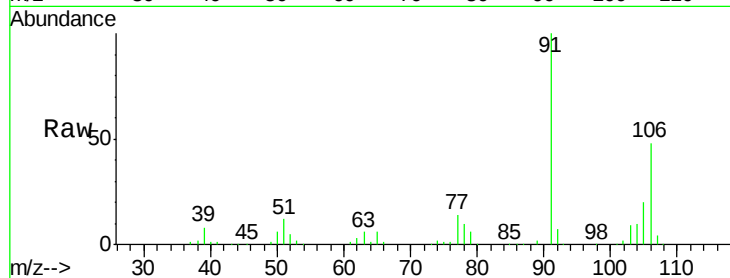




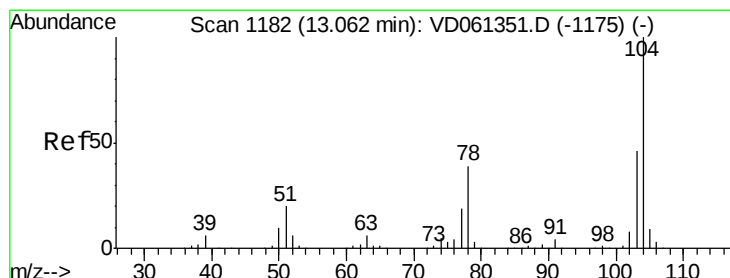
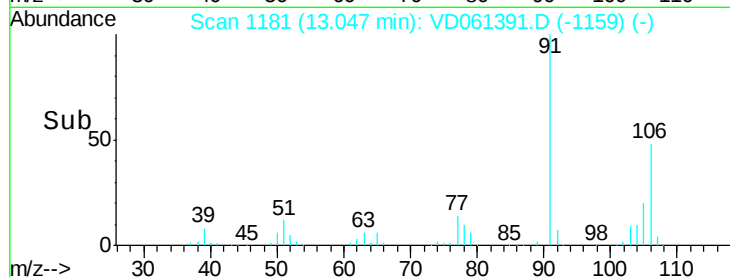
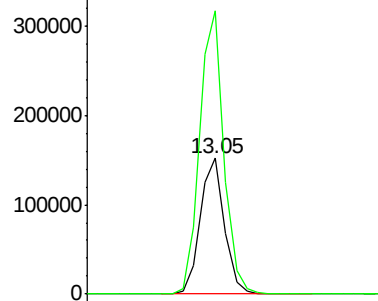
#69
o-Xylene
Concen: 19.919 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

Tot Ion:106 Resp: 236140
Ion Ratio Lower Upper
106 100
91 208.3 103.8 311.3

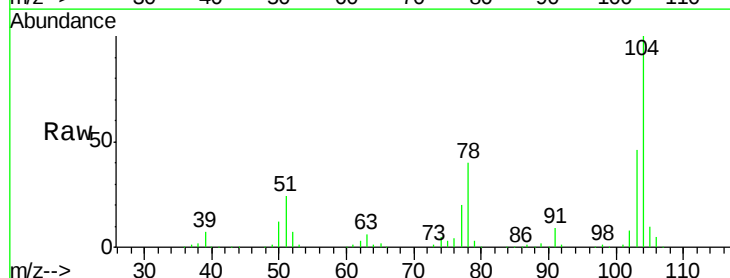


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

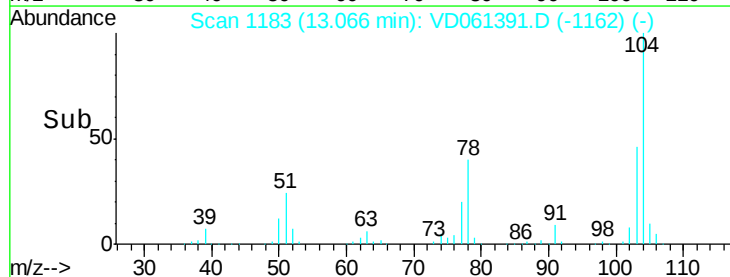
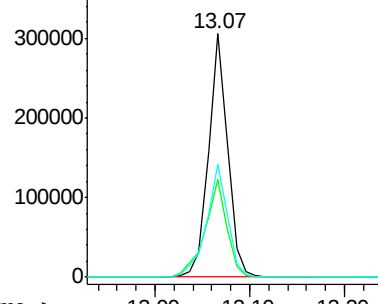


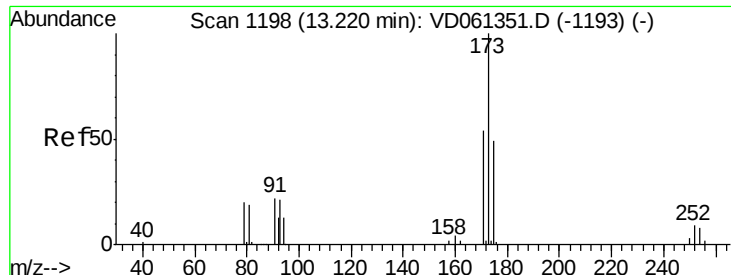
#70
Styrene
Concen: 20.817 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion:104 Resp: 430198
Ion Ratio Lower Upper
104 100
78 40.4 31.0 46.6
103 46.4 37.0 55.4



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

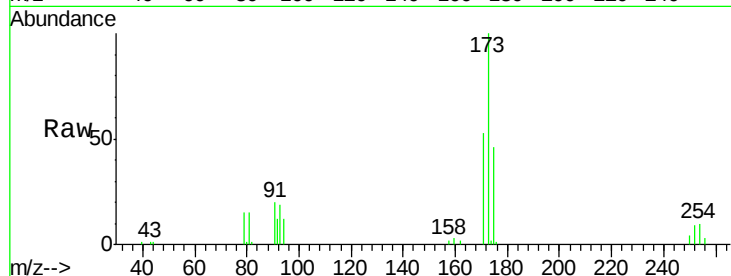




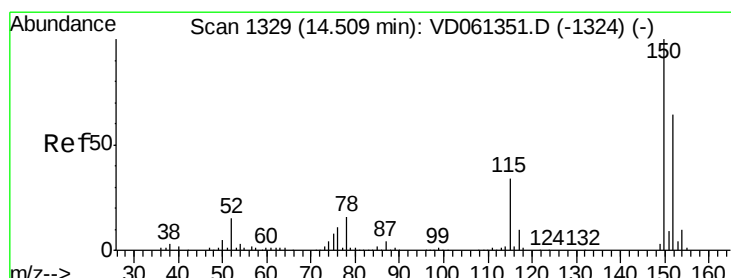
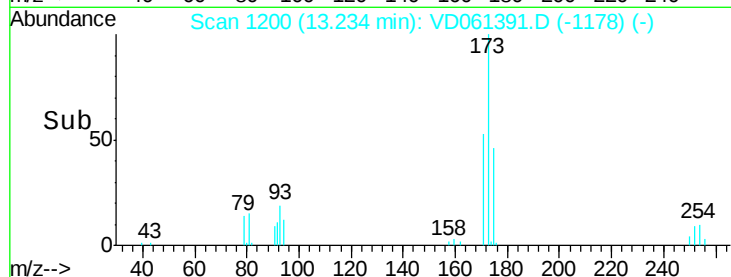
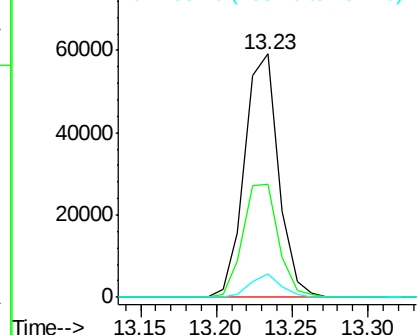
#71
Bromoform
Concen: 17.854 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

Tot Ion:173 Resp: 92588
Ion Ratio Lower Upper
173 100
175 46.2 24.6 73.8
254 9.7 6.6 10.0

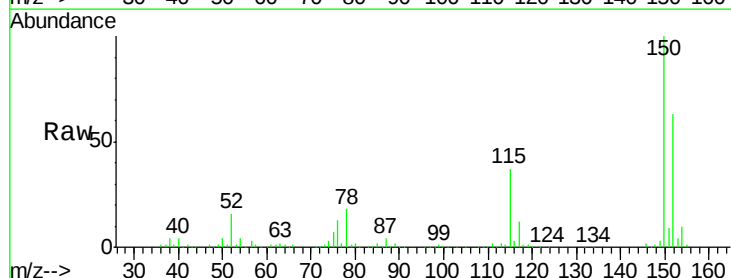


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

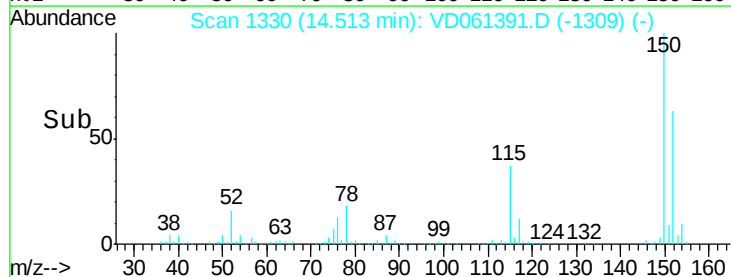
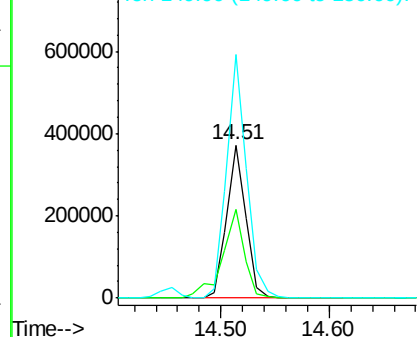


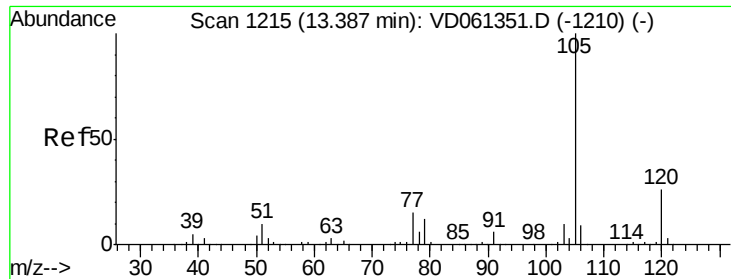
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion:152 Resp: 458494
Ion Ratio Lower Upper
152 100
115 58.2 26.9 80.6
150 158.9 0.0 318.0



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: 19.373 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

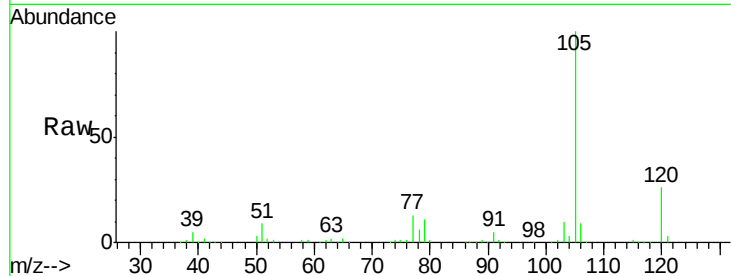
VD0328SBS01

Tot Ion:105 Resp: 618218

Ion Ratio Lower Upper

105 100

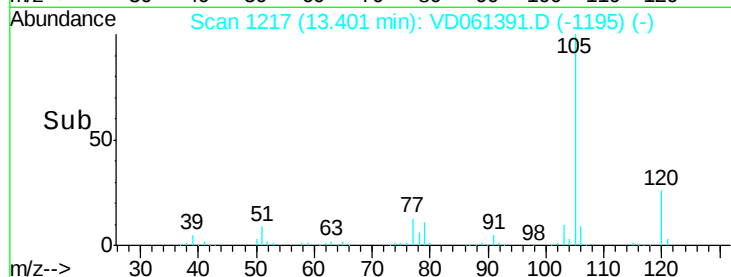
120 26.0 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

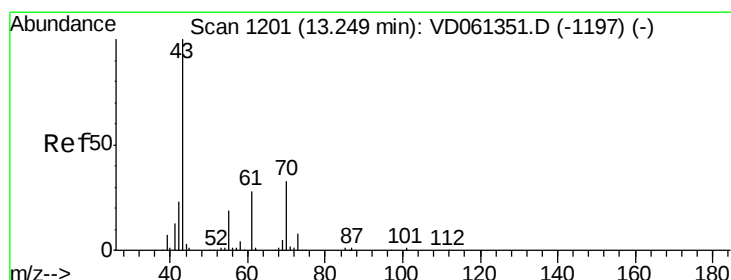
Ion 120.05 (119.75 to 120.75): V

Time-->



Abundance

Time-->



#74

N-ethyl acetate

Concen: 17.852 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Tgt Ion: 43 Resp: 158694

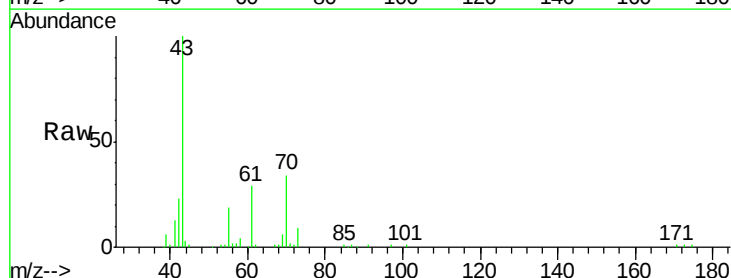
Ion Ratio Lower Upper

43 100

70 33.6 26.6 40.0

55 18.8 15.4 23.2

61 29.3 22.2 33.4



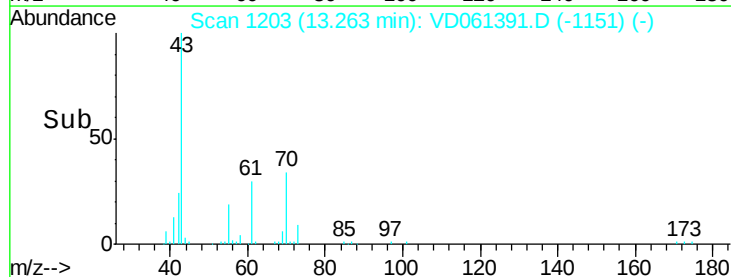
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

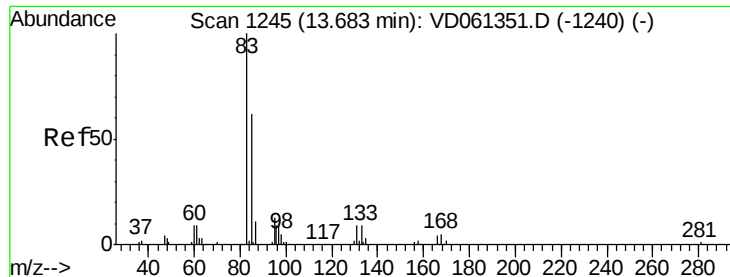
Ion 60.95 (60.65 to 61.65): V

Time-->



Abundance

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 18.441 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

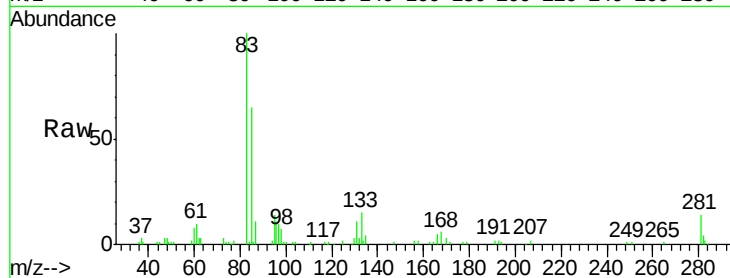
Tot Ion: 83 Resp: 124137

Ion Ratio Lower Upper

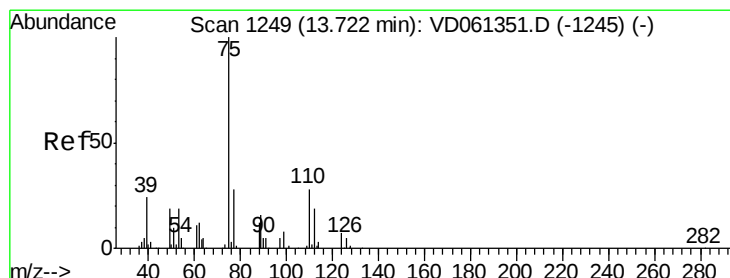
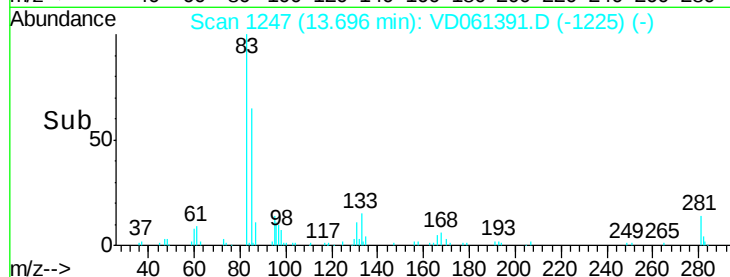
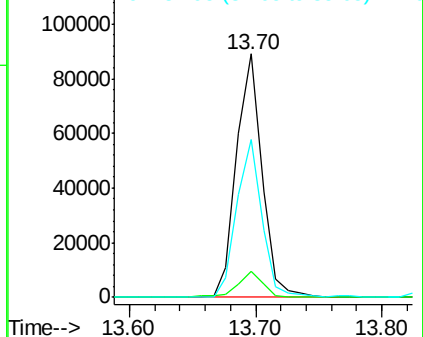
83 100

131 10.9 4.3 13.1

85 65.1 31.2 93.6



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



#76

1,2,3-Trichloropropane

Concen: 17.918 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061391.D

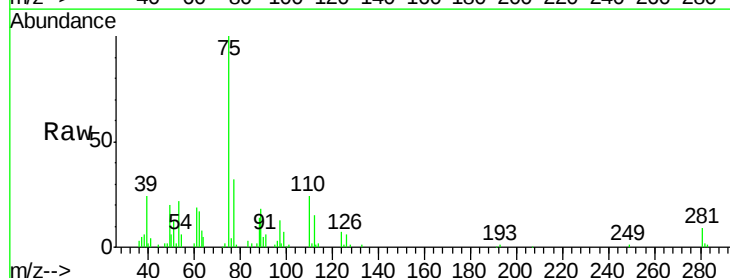
Acq: 28 Mar 2019 15:22

Tgt Ion: 75 Resp: 118669

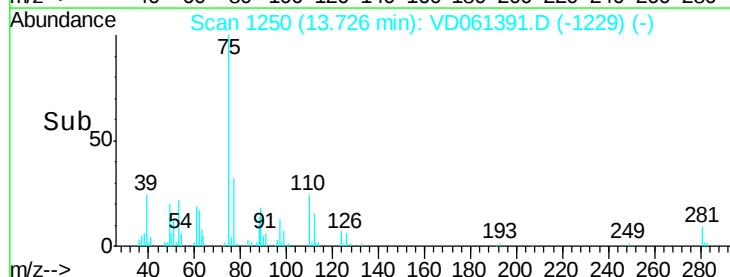
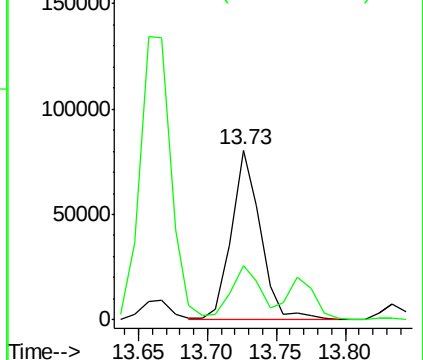
Ion Ratio Lower Upper

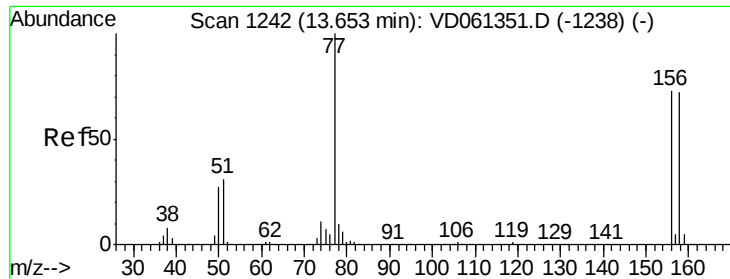
75 100

77 31.8 16.2 48.5



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





#77

Bromobenzene

Concen: 18.048 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

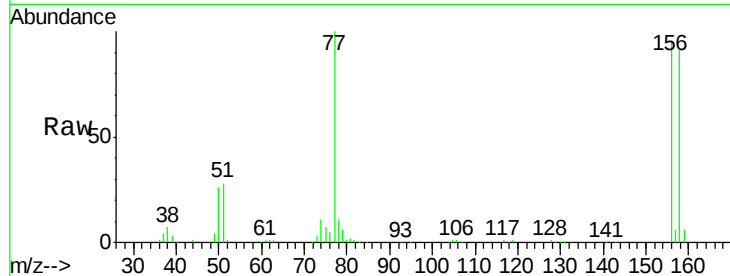
Tot Ion:156 Resp: 170735

Ion Ratio Lower Upper

156 100

77 105.2 68.5 205.6

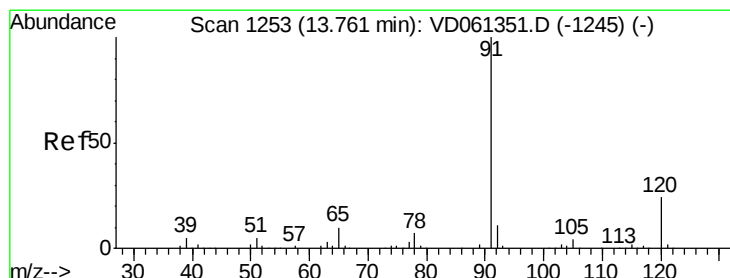
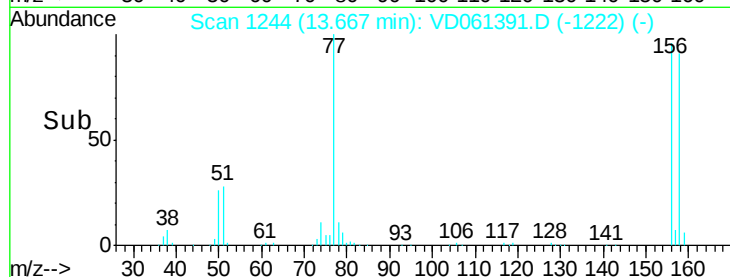
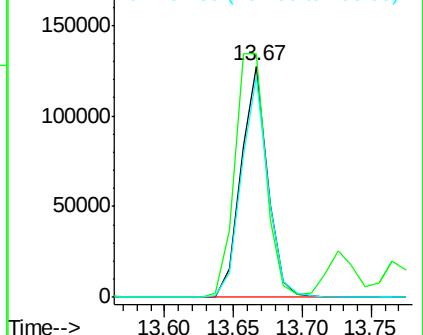
158 95.6 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.020 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061391.D

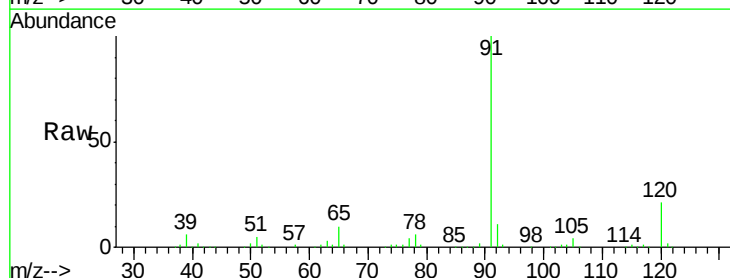
Acq: 28 Mar 2019 15:22

Tgt Ion: 91 Resp: 781811

Ion Ratio Lower Upper

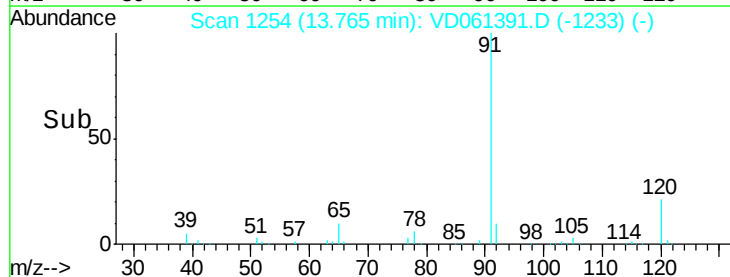
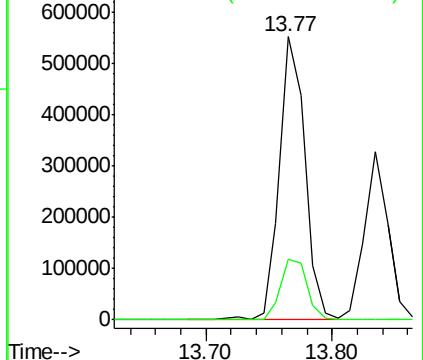
91 100

120 21.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.088 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

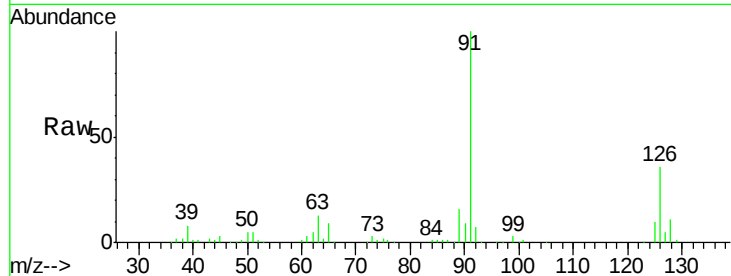
VD0328SBS01

Tot Ion: 91 Resp: 425936

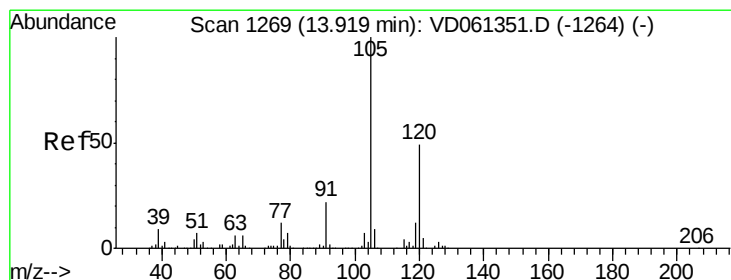
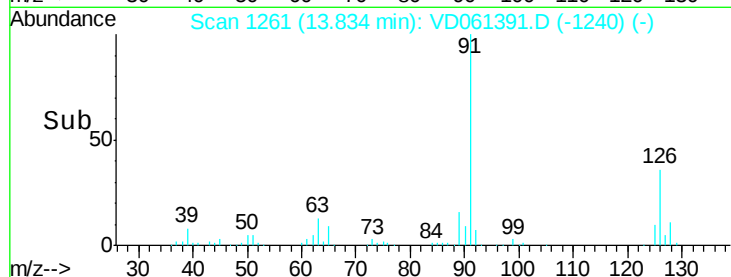
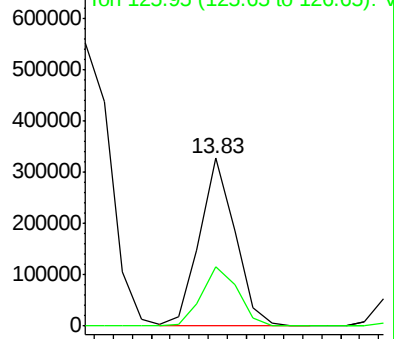
Ion Ratio Lower Upper

91 100

126 35.6 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.944 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD061391.D

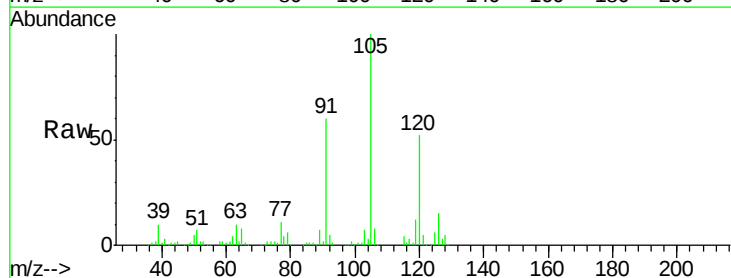
Acq: 28 Mar 2019 15:22

Tgt Ion: 105 Resp: 518560

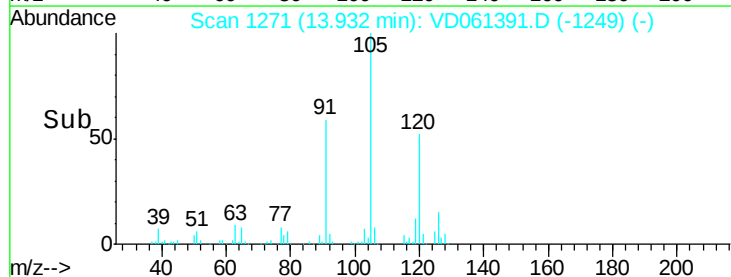
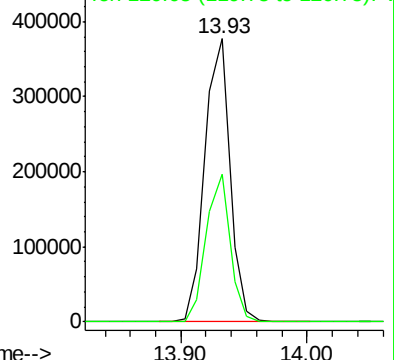
Ion Ratio Lower Upper

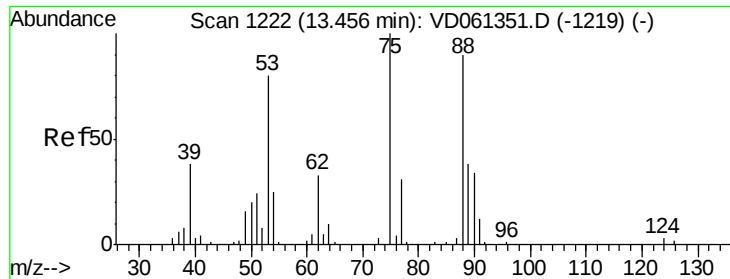
105 100

120 52.3 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.250 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

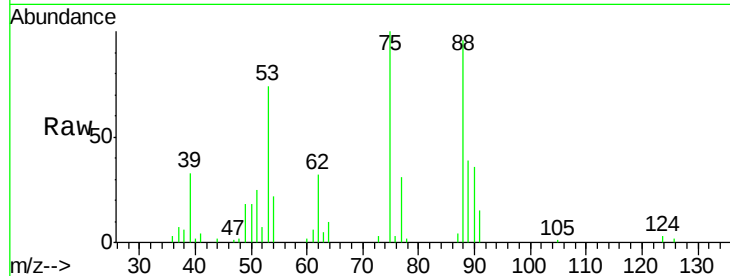
Tot Ion: 75 Resp: 38873

Ion Ratio Lower Upper

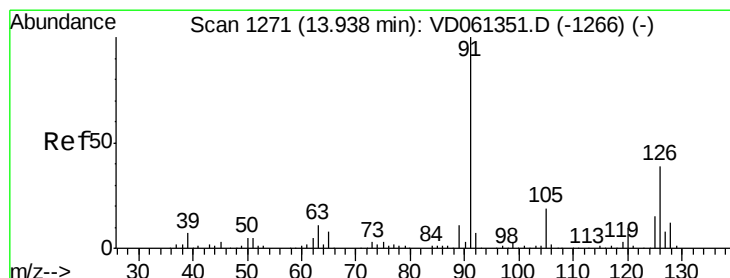
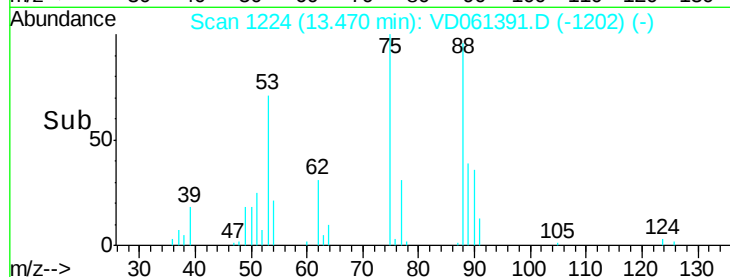
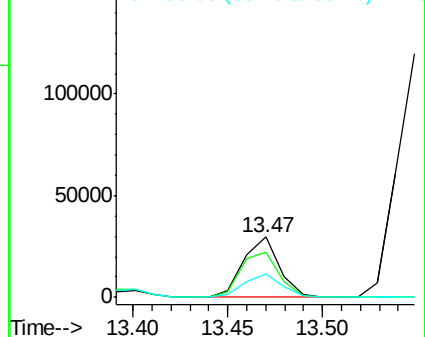
75 100

53 74.2 63.8 95.8

89 39.2 30.5 45.7



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



#82

4-Chlorotoluene

Concen: 21.045 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061391.D

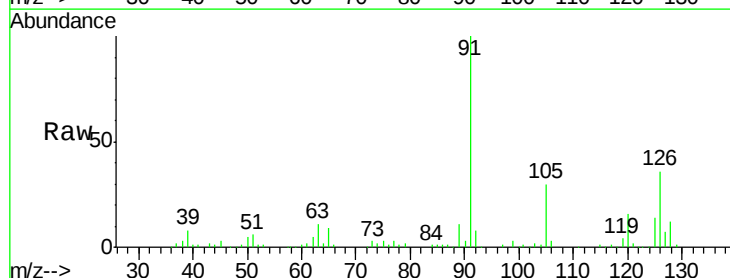
Acq: 28 Mar 2019 15:22

Tgt Ion: 91 Resp: 485208

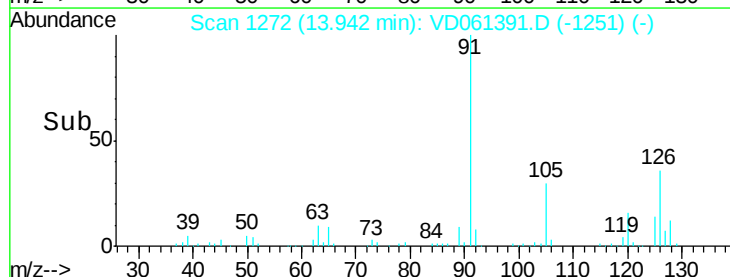
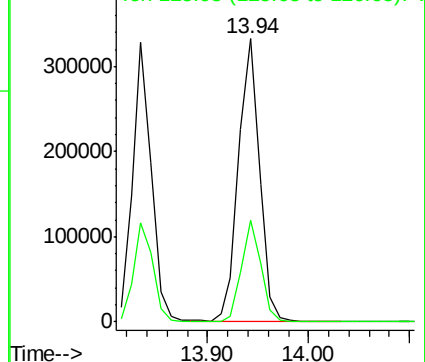
Ion Ratio Lower Upper

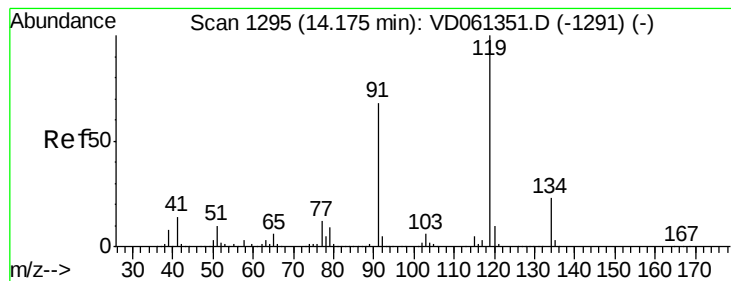
91 100

126 35.9 19.6 58.8



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





#83

tert-Butylbenzene

Concen: 17.563 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

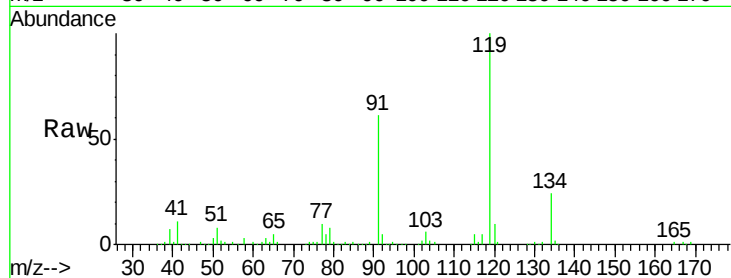
Tot Ion:119 Resp: 543430

Ion Ratio Lower Upper

119 100

91 61.2 34.1 102.3

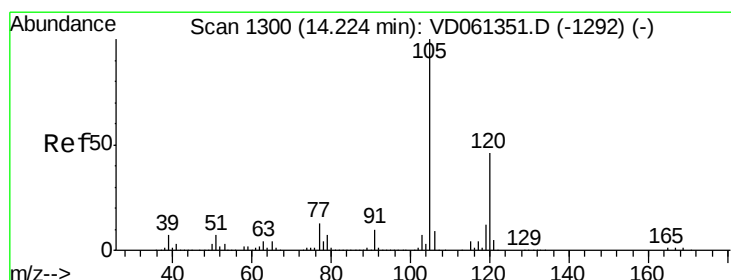
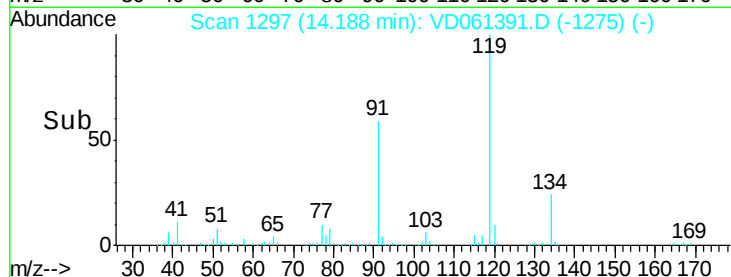
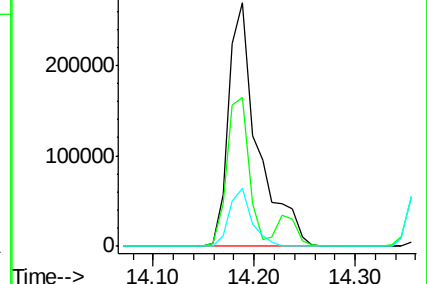
134 23.6 11.6 34.8



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: 19.564 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD061391.D

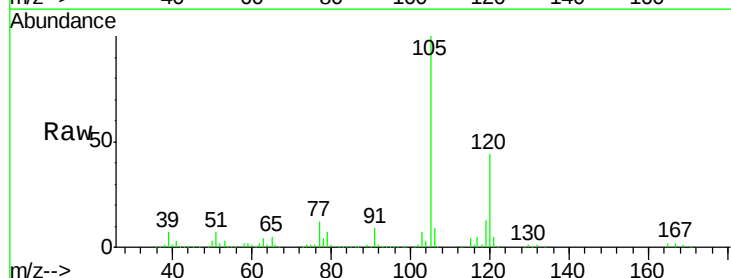
Acq: 28 Mar 2019 15:22

Tgt Ion:105 Resp: 524401

Ion Ratio Lower Upper

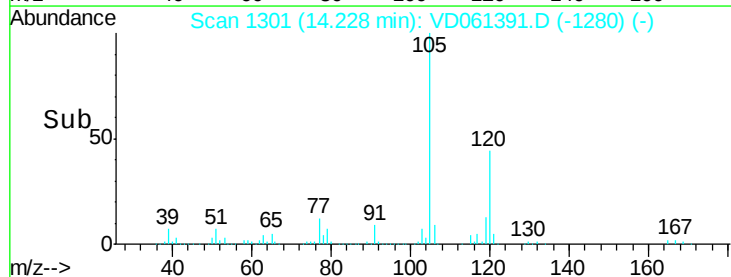
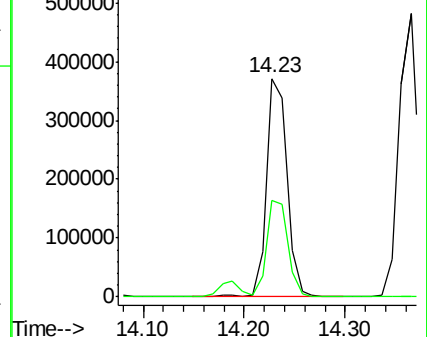
105 100

120 44.1 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 19.312 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

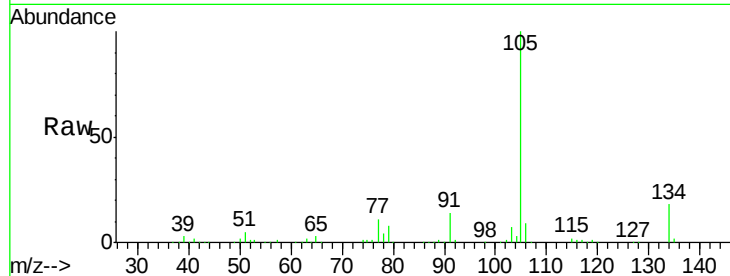
VD0328SBS01

Tot Ion:105 Resp: 634808

Ion Ratio Lower Upper

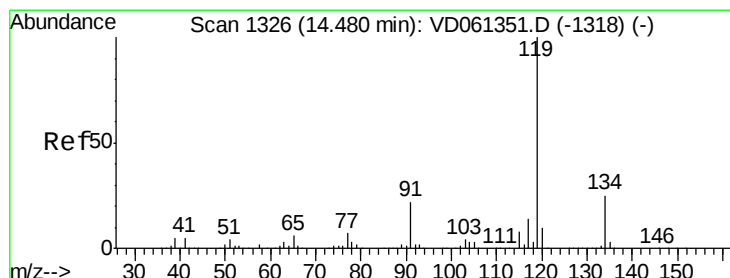
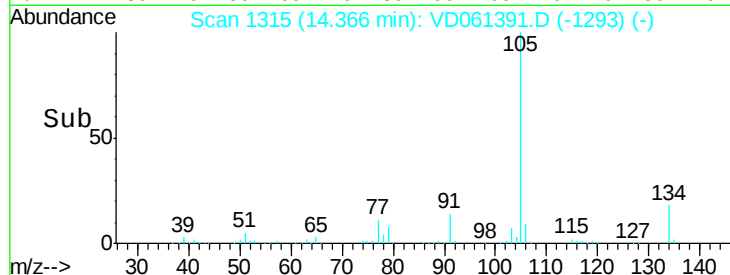
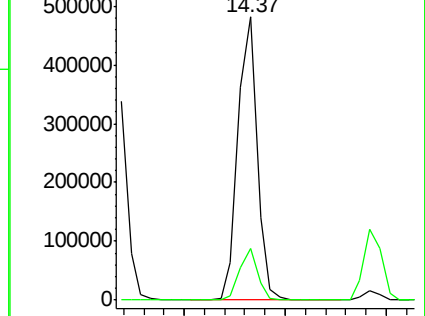
105 100

134 18.4 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.196 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

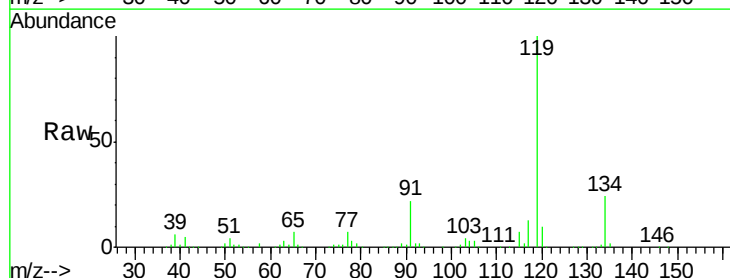
Tgt Ion:119 Resp: 616952

Ion Ratio Lower Upper

119 100

134 23.9 12.3 36.8

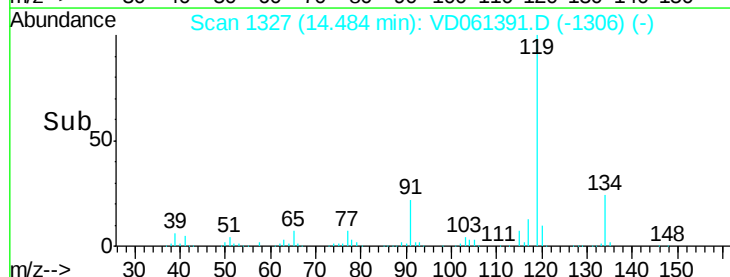
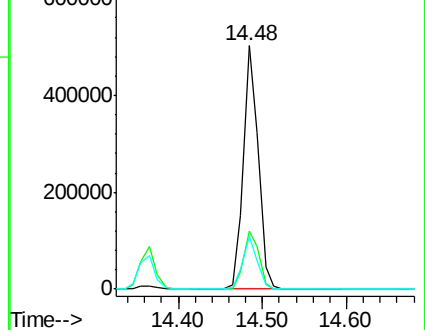
91 21.7 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

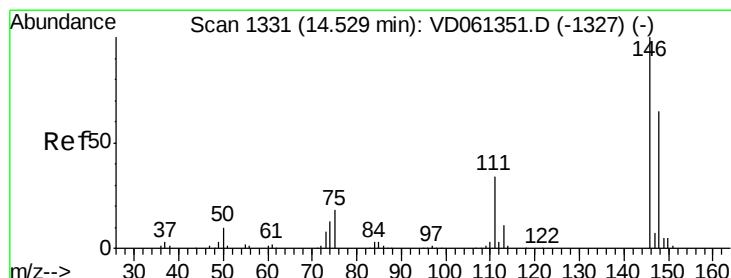
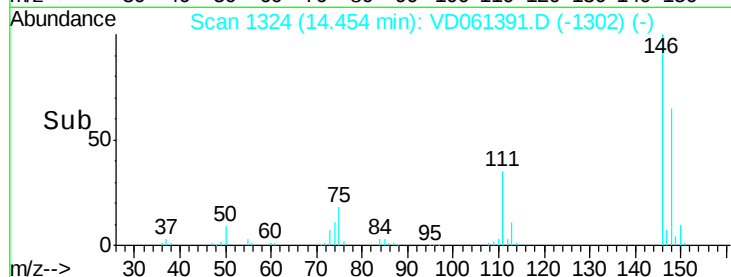
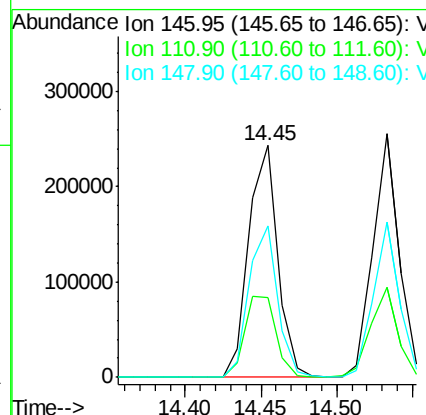
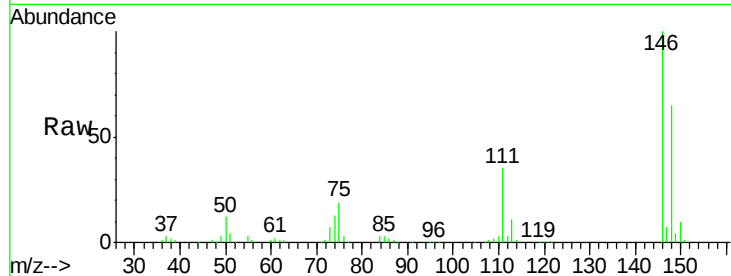




#87
 1,3-Dichlorobenzene
 Concen: 20.331 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

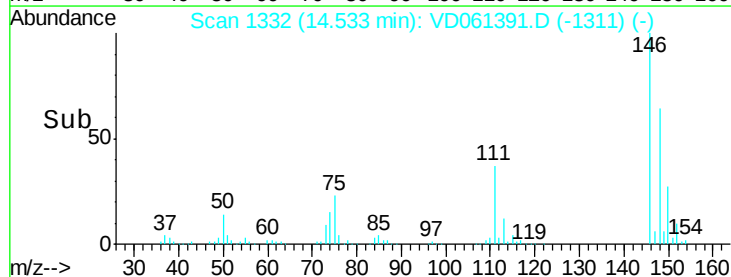
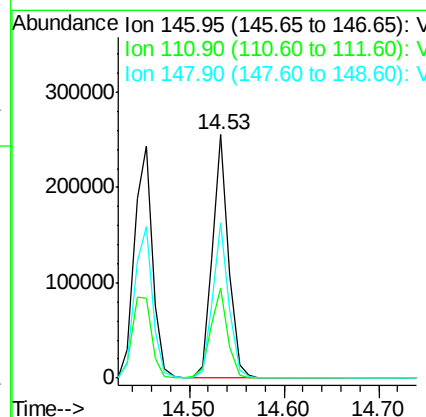
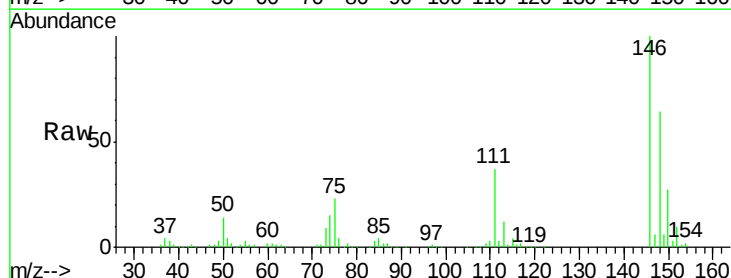
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS01

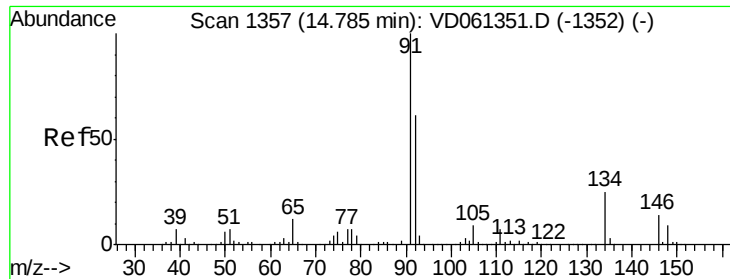
Tot Ion:146 Resp: 325693
 Ion Ratio Lower Upper
 146 100
 111 34.6 20.6 61.9
 148 65.1 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 19.845 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

Tgt Ion:146 Resp: 310030
 Ion Ratio Lower Upper
 146 100
 111 36.7 16.8 50.4
 148 63.6 32.6 98.0





#89

n-Butylbenzene

Concen: 19.538 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061391.D

Acq: 28 Mar 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

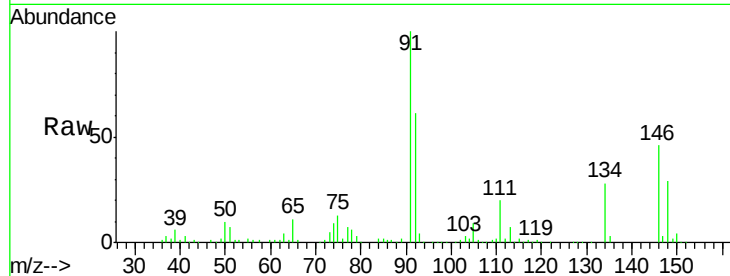
Tot Ion: 91 Resp: 498463

Ion Ratio Lower Upper

91 100

92 61.0 30.3 91.0

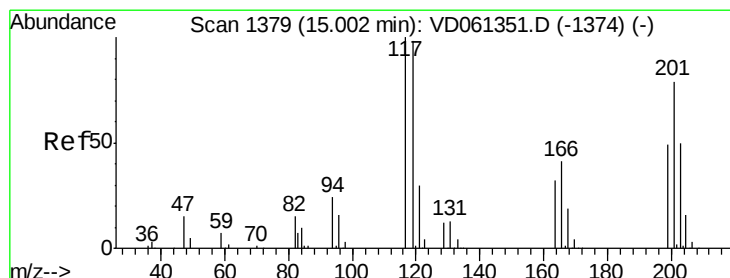
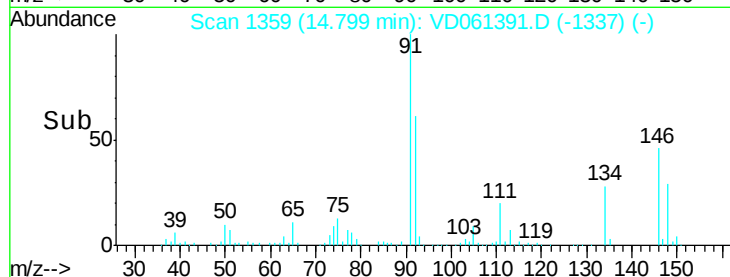
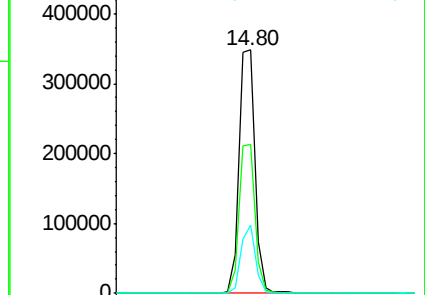
134 28.1 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 19.810 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061391.D

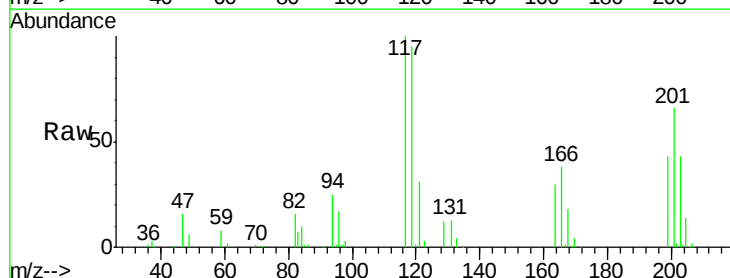
Acq: 28 Mar 2019 15:22

Tgt Ion: 117 Resp: 155563

Ion Ratio Lower Upper

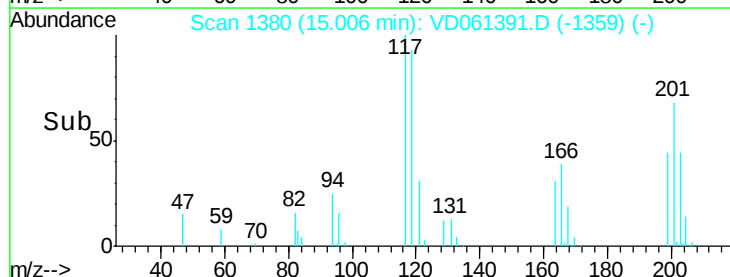
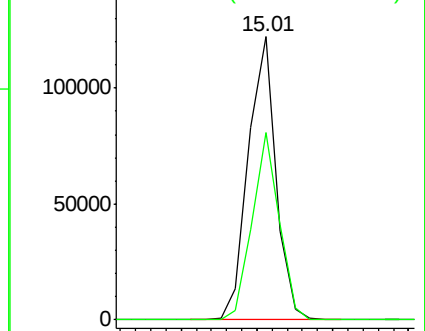
117 100

201 66.4 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

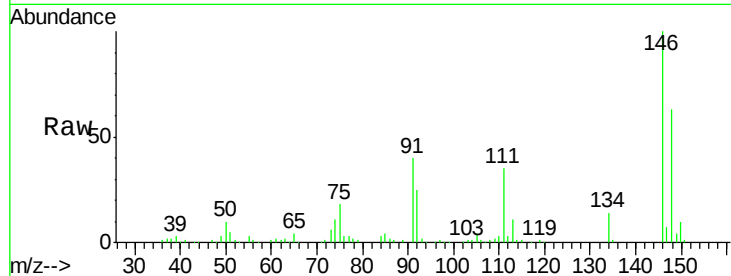




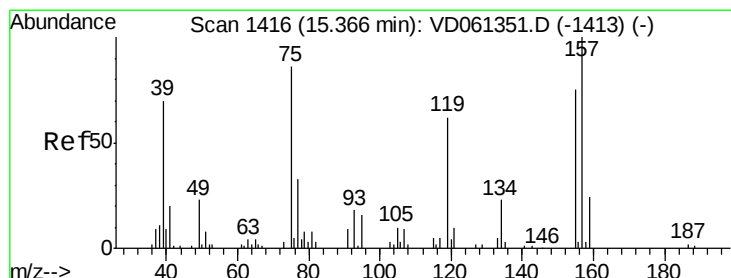
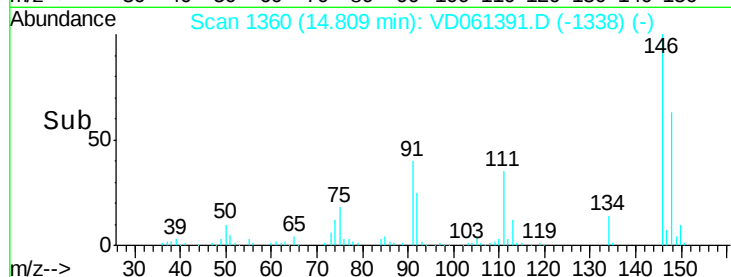
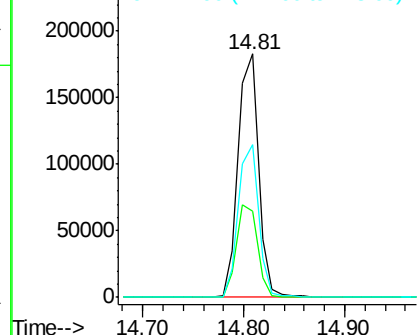
#91
 1,2-Dichlorobenzene
 Concen: 19.601 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS01

Tot Ion:146 Resp: 257568
 Ion Ratio Lower Upper
 146 100
 111 35.3 21.2 63.6
 148 63.0 31.6 95.0

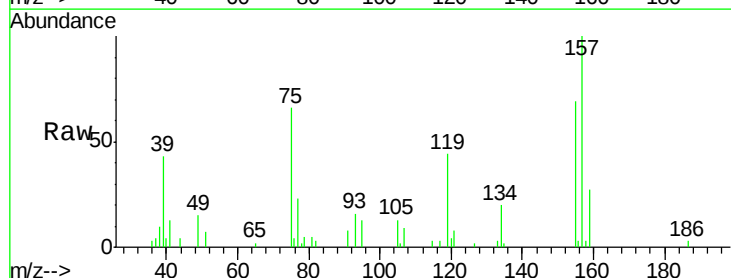


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

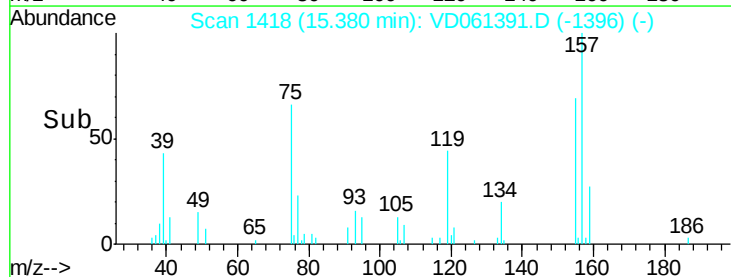
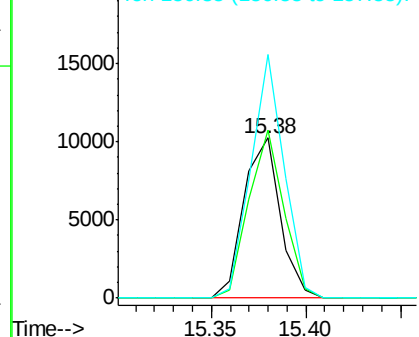


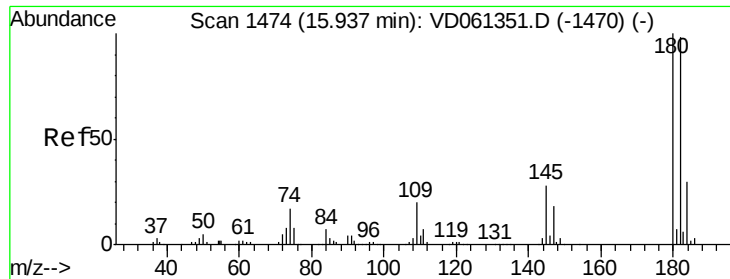
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.230 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

Tgt Ion: 75 Resp: 13603
 Ion Ratio Lower Upper
 75 100
 155 105.0 43.6 130.9
 157 152.1 58.5 175.3



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

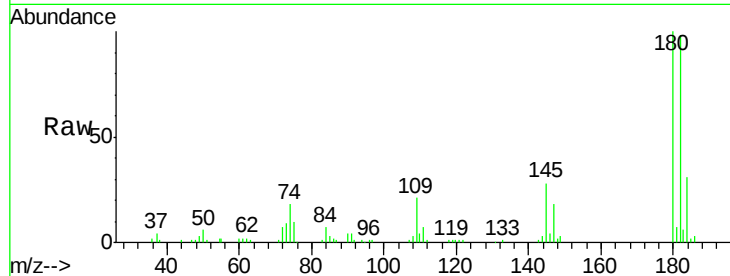




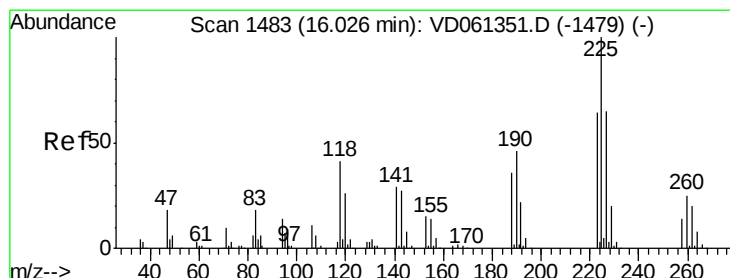
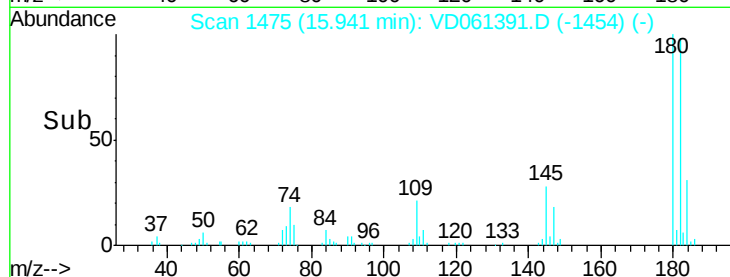
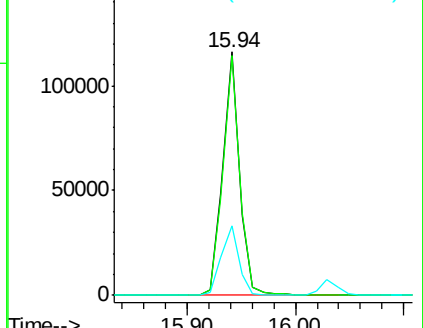
#93
 1,2,4-Trichlorobenzene
 Concen: 20.998 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS01

Tot Ion:180 Resp: 125691
 Ion Ratio Lower Upper
 180 100
 182 98.4 48.9 146.8
 145 28.3 14.1 42.3

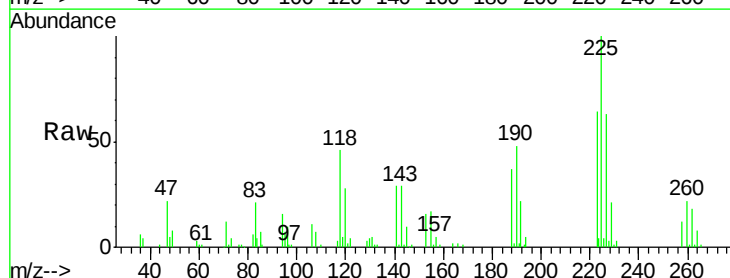


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

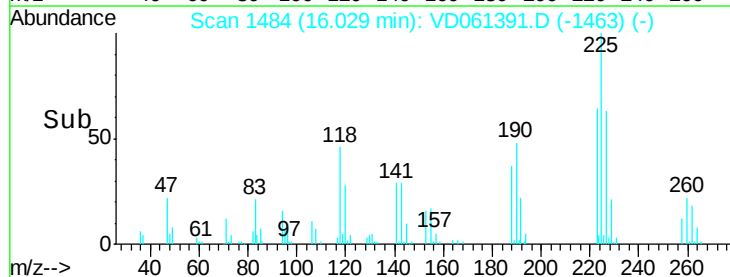
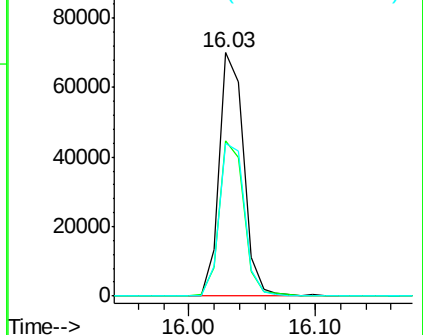


#94
 Hexachlorobutadiene
 Concen: 20.223 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061391.D
 Acq: 28 Mar 2019 15:22

Tgt Ion:225 Resp: 94591
 Ion Ratio Lower Upper
 225 100
 223 63.6 32.0 96.0
 227 63.0 32.4 97.2



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

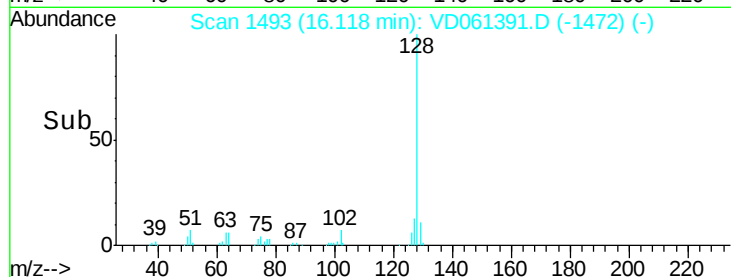
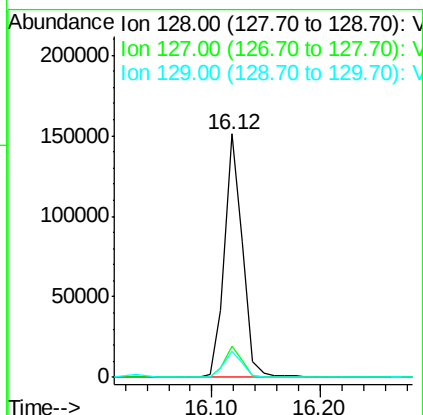
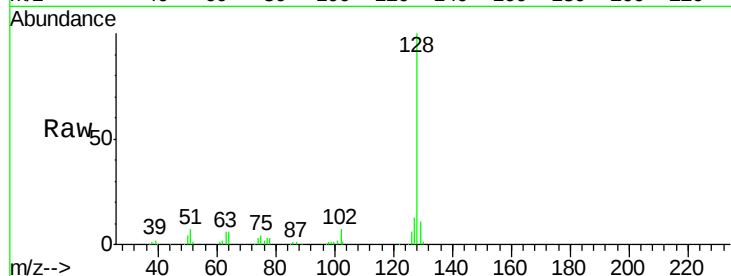




#95
Naphthalene
Concen: 19.095 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

Tot Ion:128 Resp: 174227
Ion Ratio Lower Upper
128 100
127 12.8 9.9 14.9
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.404 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061391.D
Acq: 28 Mar 2019 15:22

Tgt Ion:180 Resp: 51111
Ion Ratio Lower Upper
180 100
182 96.9 46.4 139.1
145 28.0 15.3 45.9

