

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
 Data File : VD060393.D
 Acq On : 16 Nov 2018 12:53
 Operator : JC/SY
 Sample : VD1116SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Quant Time: Nov 16 13:38:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1522869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	2078394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1630891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	851948	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	552279	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
35) Dibromofluoromethane	6.34	113	815498	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
50) Toluene-d8	9.47	98	2341347	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.43	95	852195	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	297289	22.355	ug/l	99
3) Chloromethane	1.77	50	313465	21.730	ug/l	99
4) Vinyl Chloride	1.87	62	258231	21.920	ug/l	100
5) Bromomethane	2.16	94	40147	14.364	ug/l	98
6) Chloroethane	2.28	64	73239	18.737	ug/l	97
7) Trichlorofluoromethane	2.53	101	295189	21.253	ug/l	100
8) Diethyl Ether	2.85	74	56883	22.621	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.11	101	200734	21.974	ug/l	96
10) Methyl Iodide	3.26	142	224498	18.921	ug/l	99
11) Tert butyl alcohol	4.00	59	45525	101.673	ug/l #	93
12) 1,1-Dichloroethene	3.10	96	165038	22.210	ug/l	92
13) Acrolein	3.01	56	42371	80.085	ug/l	99
14) Allyl chloride	3.56	41	306539	21.560	ug/l	99
15) Acrylonitrile	4.11	53	273333	104.682	ug/l	98
16) Acetone	3.17	43	192652	101.856	ug/l	98
17) Carbon Disulfide	3.33	76	486136	20.269	ug/l	99
18) Methyl Acetate	3.58	43	85922	21.305	ug/l	98
19) Methyl tert-butyl Ether	4.15	73	467766	21.023	ug/l	99
20) Methylene Chloride	3.75	84	413111	24.622	ug/l	98
21) trans-1,2-Dichloroethene	4.12	96	343692	20.832	ug/l	94
22) Diisopropyl ether	4.88	45	1134840	21.365	ug/l	96
23) Vinyl Acetate	4.83	43	2858075	108.135	ug/l	99
24) 1,1-Dichloroethane	4.78	63	589023	21.624	ug/l	99
25) 2-Butanone	5.64	43	401263	102.066	ug/l	99
26) 2,2-Dichloropropane	5.61	77	460620	21.751	ug/l	98
27) cis-1,2-Dichloroethene	5.62	96	362532	21.092	ug/l	96
28) Bromochloromethane	5.95	49	256952	21.380	ug/l	96
29) Tetrahydrofuran	5.98	42	215868	104.146	ug/l	99
30) Chloroform	6.13	83	584099	21.450	ug/l	99
31) Cyclohexane	6.39	56	534996	20.550	ug/l	98
32) 1,1,1-Trichloroethane	6.31	97	488861	21.313	ug/l	96
36) 1,1-Dichloropropene	6.54	75	447378	21.788	ug/l	97
37) Ethyl Acetate	5.71	43	202382	21.419	ug/l	96
38) Carbon Tetrachloride	6.52	117	420343	22.068	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	514726	21.795	ug/l	99
40) Benzene	6.82	78	1157687	22.087	ug/l	99
41) Methacrylonitrile	5.97	41	234796	21.711	ug/l #	95
42) 1,2-Dichloroethane	6.91	62	290307	21.161	ug/l	99
43) Isopropyl Acetate	8.37	43	244202	20.575	ug/l #	96
44) Trichloroethene	7.76	130	338509	21.305	ug/l	99
45) 1,2-Dichloropropane	8.12	63	284382	21.513	ug/l	97
46) Dibromomethane	8.23	93	164221	21.211	ug/l	98
47) Bromodichloromethane	8.51	83	390517	21.405	ug/l	99
48) Methyl methacrylate	8.26	41	152264	21.120	ug/l	97
49) 1,4-Dioxane	8.25	88	27000	432.847	ug/l #	78
51) 4-Methyl-2-Pentanone	9.36	43	835703	108.182	ug/l	98
52) Toluene	9.57	92	747146	22.315	ug/l	100
53) t-1,3-Dichloropropene	9.94	75	322118	20.896	ug/l	99
54) cis-1,3-Dichloropropene	9.12	75	431839	21.842	ug/l	97
55) 1,1,2-Trichloroethane	10.20	97	199114	20.518	ug/l	99
56) Ethyl methacrylate	10.05	69	185944	20.840	ug/l	100
57) 1,3-Dichloropropane	10.40	76	315817	21.358	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.94	63	582176	107.911	ug/l	100
59) 2-Hexanone	10.51	43	591252	107.386	ug/l	100
60) Dibromochloromethane	10.65	129	247929	21.017	ug/l	98
61) 1,2-Dibromoethane	10.77	107	202928	20.871	ug/l	100
64) Tetrachloroethene	10.27	164	314720	21.616	ug/l	99
65) Chlorobenzene	11.33	112	784959	22.214	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	254238	21.989	ug/l	99
67) Ethyl Benzene	11.44	91	1352204	22.369	ug/l	97
68) m/p-Xylenes	11.58	106	1013357	45.445	ug/l	97
69) o-Xylene	11.94	106	484226	22.478	ug/l	99
70) Styrene	11.97	104	778558	22.363	ug/l	99
71) Bromoform	12.13	173	158953	20.459	ug/l	98
73) Isopropylbenzene	12.29	105	1353319	21.803	ug/l	100
74) N-amyl acetate	12.15	43	317952	19.980	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	206926	20.384	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	209616	20.568	ug/l	100
77) Bromobenzene	12.55	156	340482	20.651	ug/l	99
78) n-propylbenzene	12.65	91	1657868	21.399	ug/l	99
79) 2-Chlorotoluene	12.72	91	899626	21.201	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1056742	21.907	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.36	75	60232	20.759	ug/l	97
82) 4-Chlorotoluene	12.82	91	1051866	22.067	ug/l	96
83) tert-Butylbenzene	13.05	119	1171424	21.873	ug/l	91
84) 1,2,4-Trimethylbenzene	13.10	105	1046752	21.728	ug/l	100
85) sec-Butylbenzene	13.23	105	1401816	21.335	ug/l	99
86) p-Isopropyltoluene	13.35	119	1187938	22.451	ug/l	96
87) 1,3-Dichlorobenzene	13.32	146	644841	21.983	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	639439	22.320	ug/l	95
89) n-Butylbenzene	13.66	91	1210401	20.898	ug/l	95
90) Hexachloroethane	13.87	117	269399	21.472	ug/l	91
91) 1,2-Dichlorobenzene	13.67	146	532569	22.104	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	24870	20.296	ug/l	66

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration

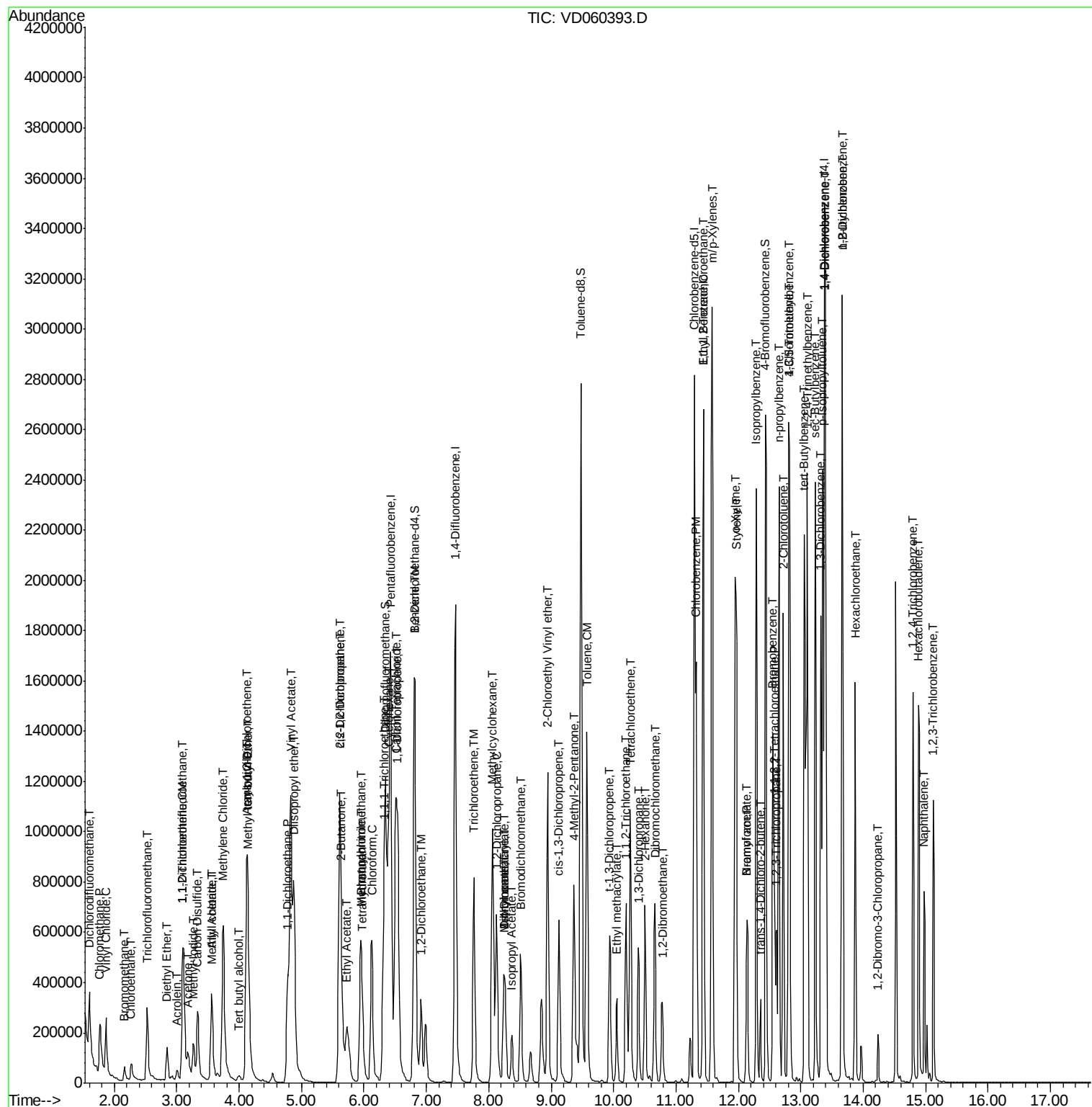
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	399473	20.911	ug/l	97
94) Hexachlorobutadiene	14.90	225	292737	20.487	ug/l	100
95) Naphthalene	14.97	128	480053	20.580	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	308952	20.182	ug/l	96

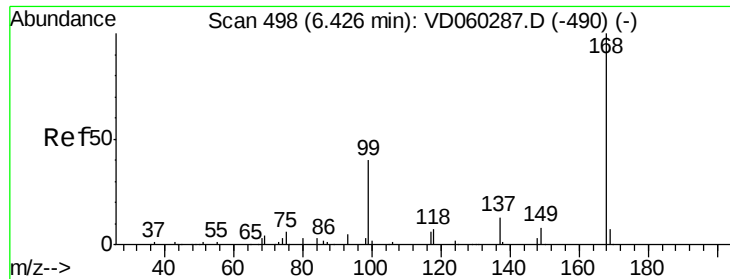
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 ClientSampleId :
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

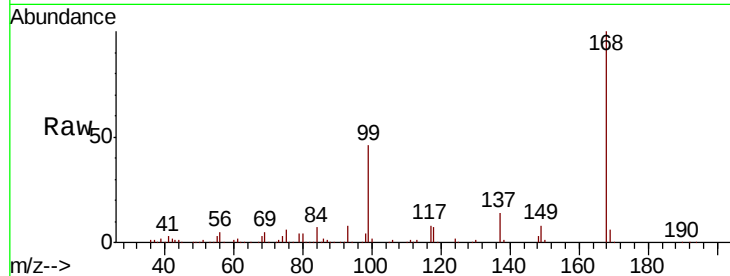
VD1116SBSD01

Tot Ion:168 Resp: 1522869

Ion Ratio Lower Upper

168 100

99 45.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

600000

500000

400000

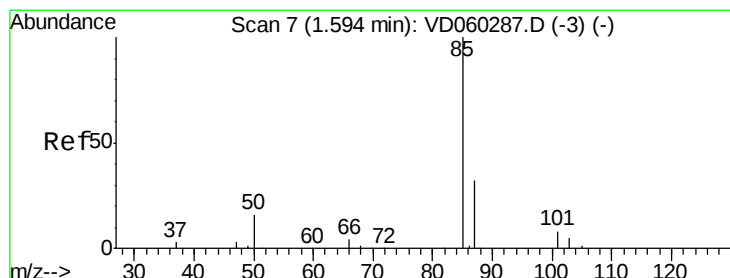
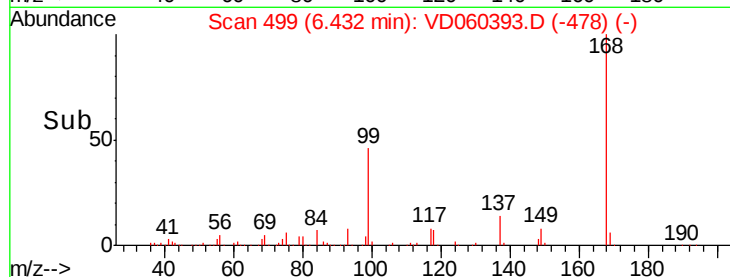
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.355 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060393.D

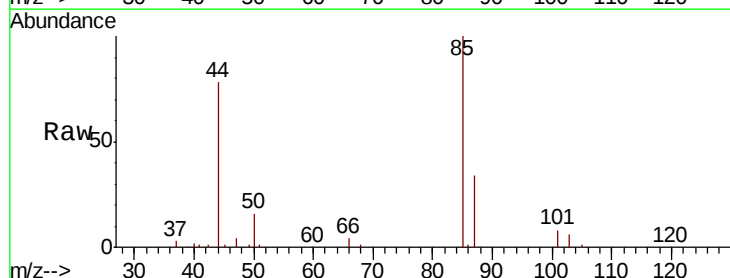
Acq: 16 Nov 2018 12:53

Tgt Ion: 85 Resp: 297289

Ion Ratio Lower Upper

85 100

87 34.3 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

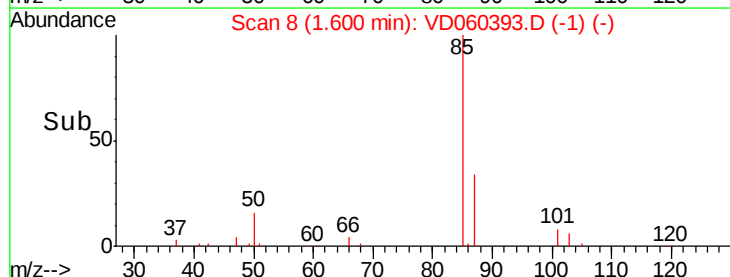
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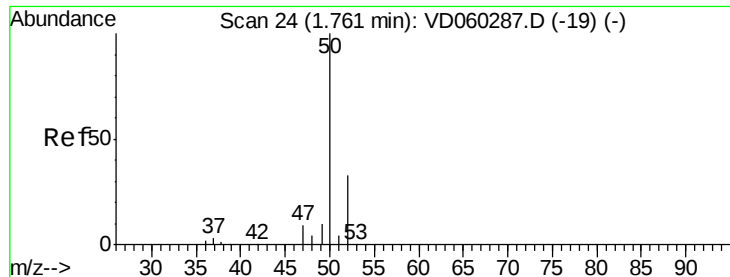
100000

50000

0

Time-->





#3

Chloromethane

Concen: 21.730 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

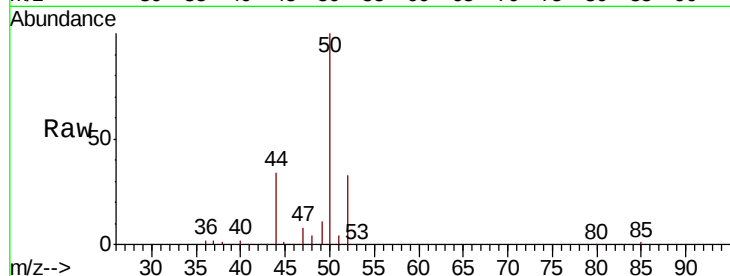
VD1116SBS01

Tot Ion: 50 Resp: 313465

Ion Ratio Lower Upper

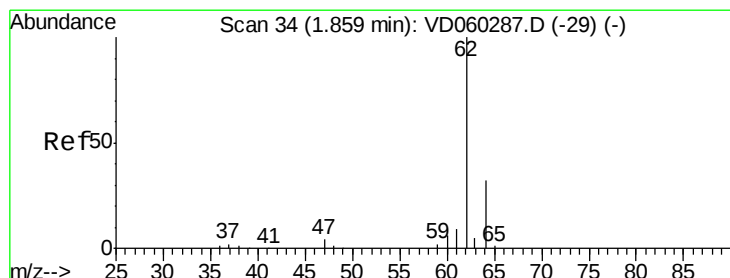
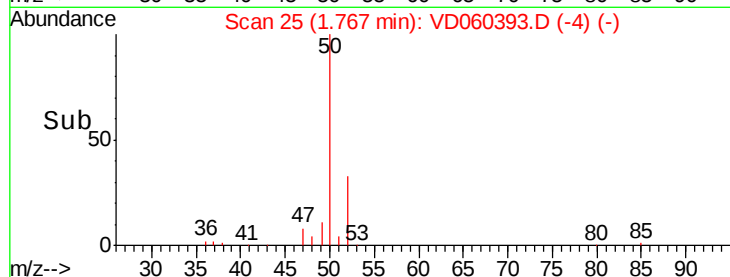
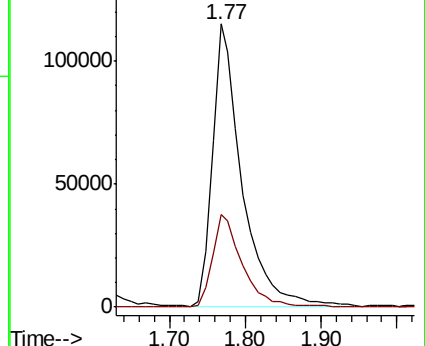
50 100

52 32.6 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.920 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060393.D

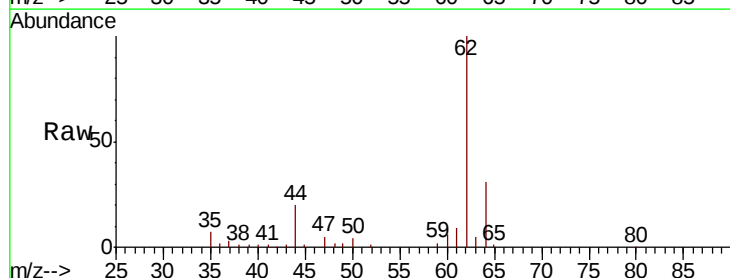
Acq: 16 Nov 2018 12:53

Tgt Ion: 62 Resp: 258231

Ion Ratio Lower Upper

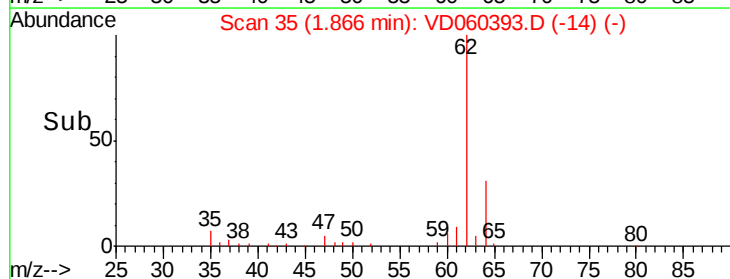
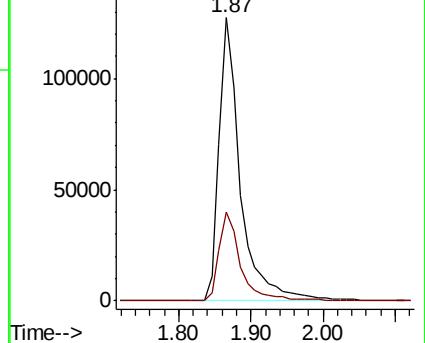
62 100

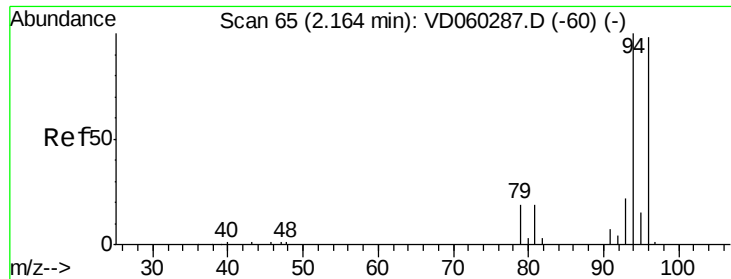
64 31.4 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

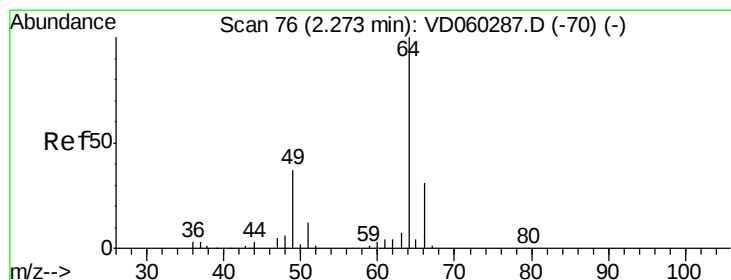
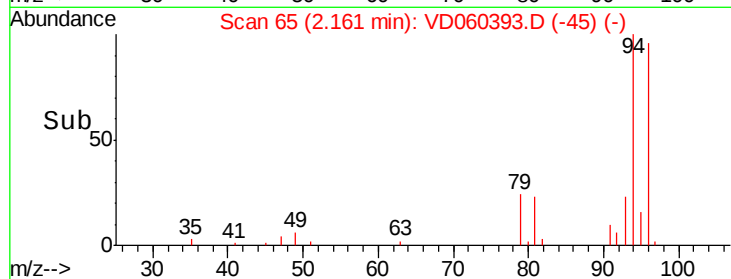
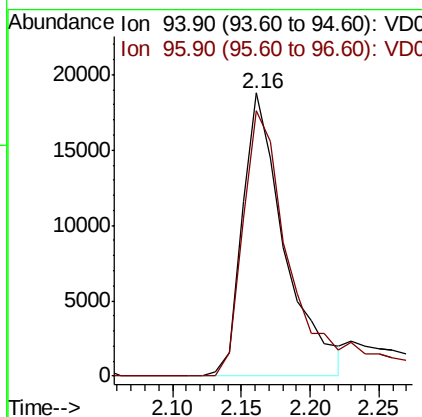
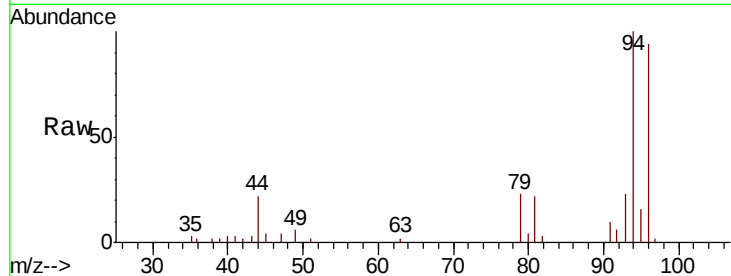




#5
Bromomethane
Concen: 14.364 ug/l
RT: 2.16 min Scan# 65
Delta R.T. -0.00 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

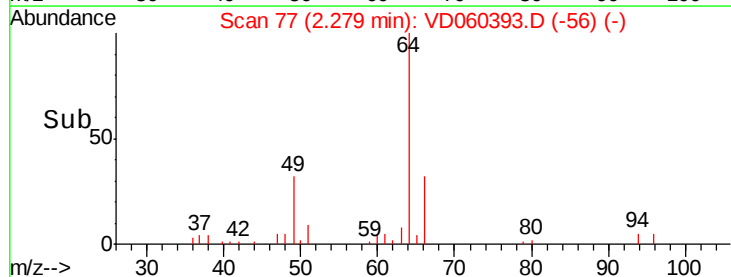
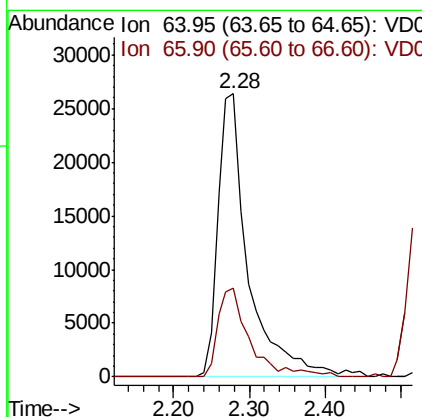
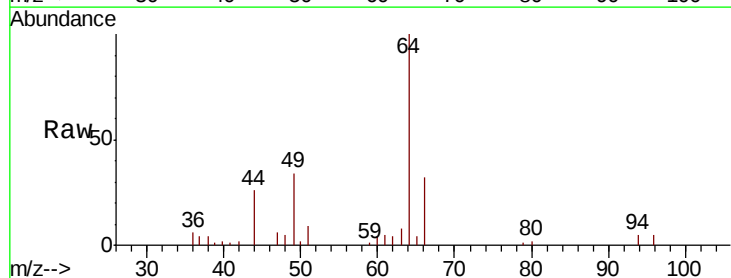
Instrument :
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VD1116SBSD01

Tot Ion: 94 Resp: 40147
Ion Ratio Lower Upper
94 100
96 93.7 76.6 114.8



#6
Chloroethane
Concen: 18.737 ug/l
RT: 2.28 min Scan# 77
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion: 64 Resp: 73239
Ion Ratio Lower Upper
64 100
66 31.6 26.6 40.0



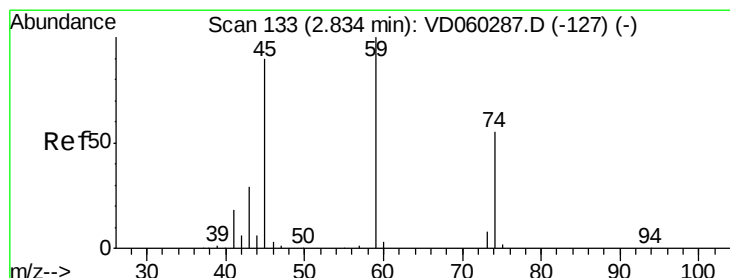
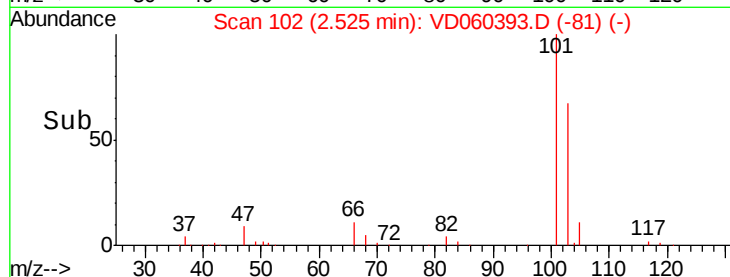
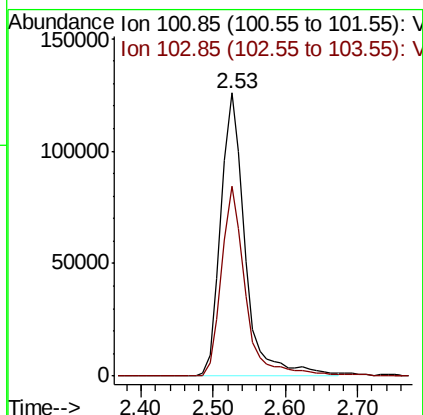
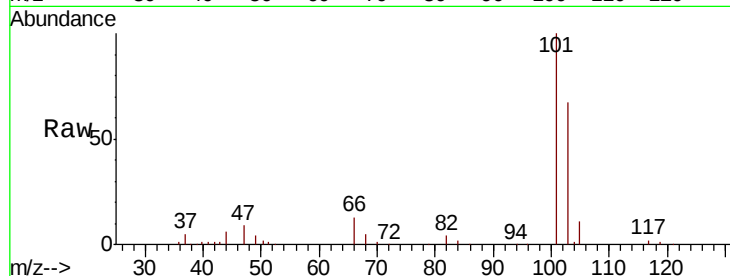


#7

Trichlorofluoromethane
 Concen: 21.253 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

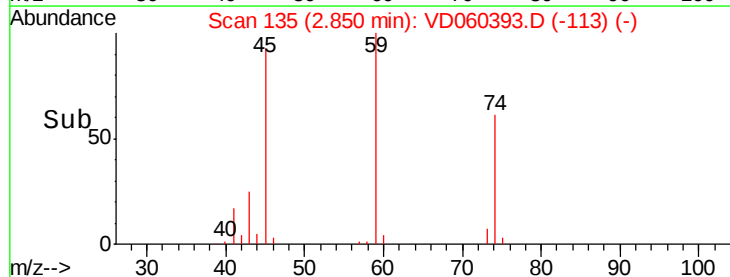
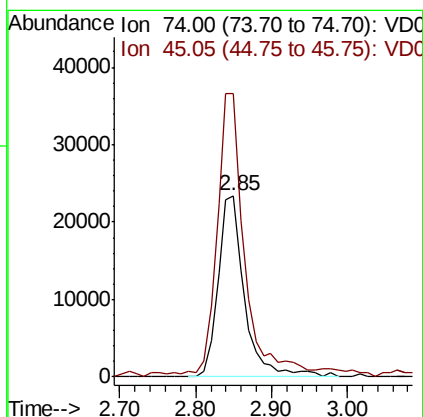
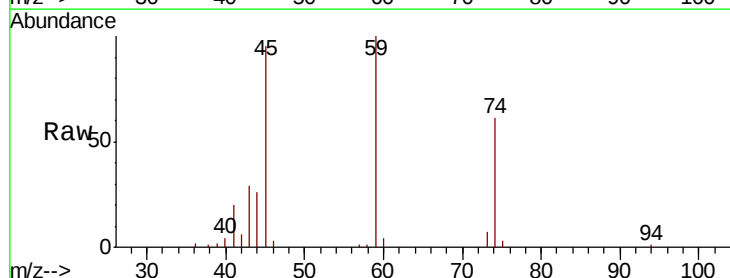
Tot Ion:101 Resp: 295189
 Ion Ratio Lower Upper
 101 100
 103 67.1 53.6 80.4



#8

Diethyl Ether
 Concen: 22.621 ug/l
 RT: 2.85 min Scan# 135
 Delta R.T. 0.02 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Tgt Ion: 74 Resp: 56883
 Ion Ratio Lower Upper
 74 100
 45 156.0 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.974 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBSD01

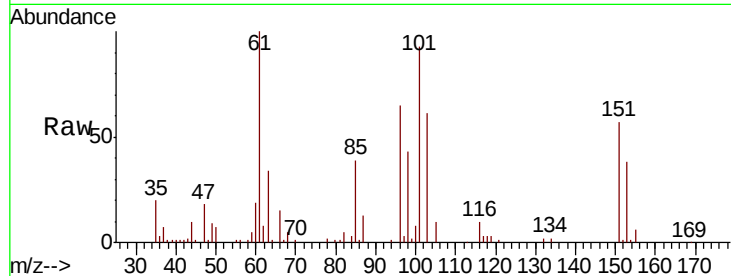
Tot Ion:101 Resp: 200734

Ion Ratio Lower Upper

101 100

85 42.5 31.4 47.0

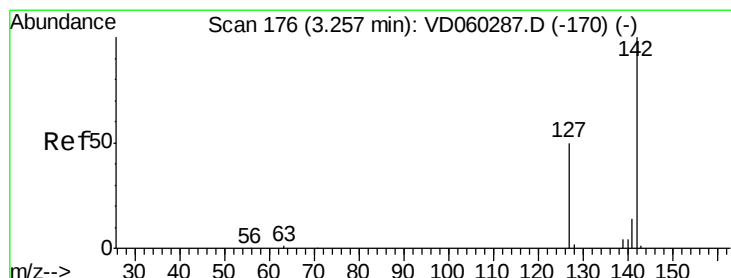
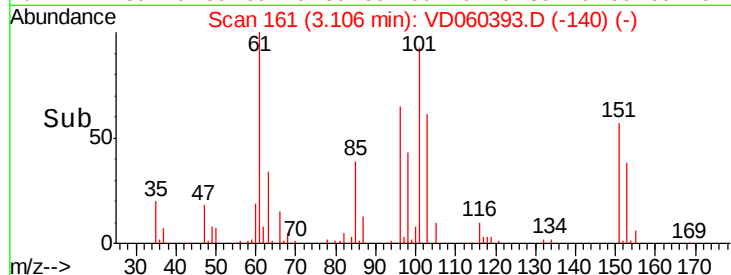
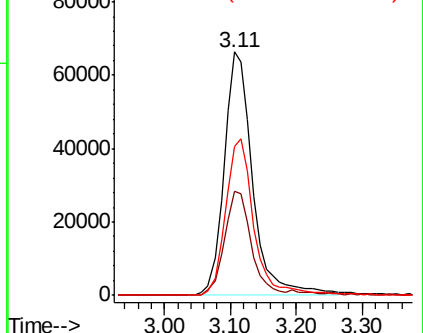
151 61.1 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.921 ug/l

RT: 3.26 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

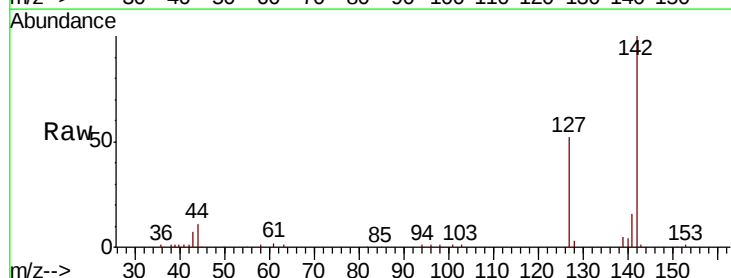
Tgt Ion:142 Resp: 224498

Ion Ratio Lower Upper

142 100

127 51.8 41.0 61.6

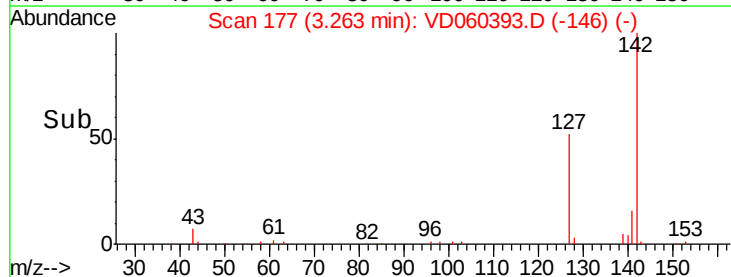
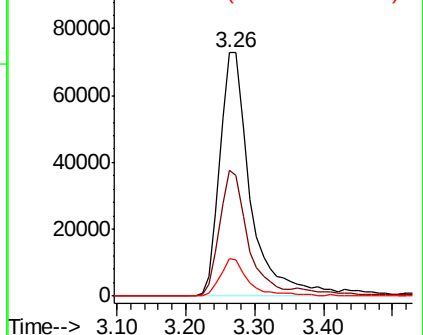
141 15.6 11.9 17.9

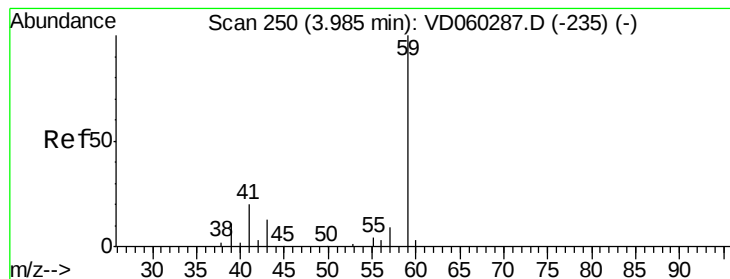


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 101.673 ug/l

RT: 4.00 min Scan# 252

Delta R.T. 0.02 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

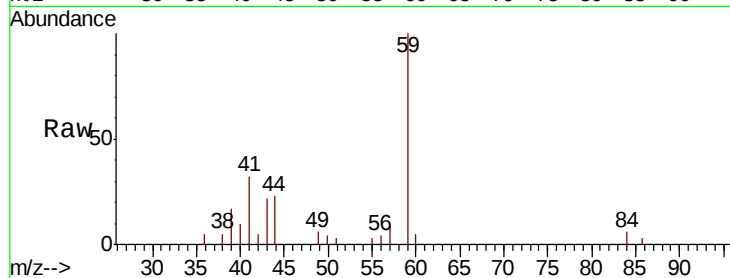
VD1116SBS01

Tot Ion: 59 Resp: 45525

Ion Ratio Lower Upper

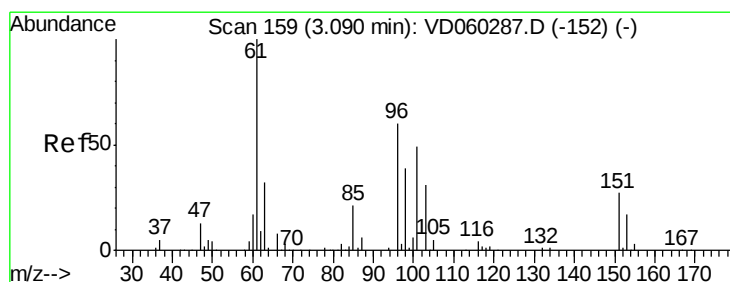
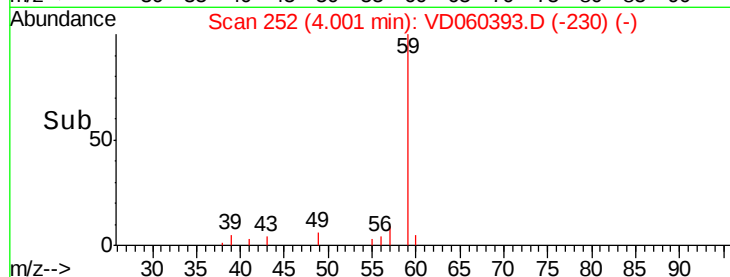
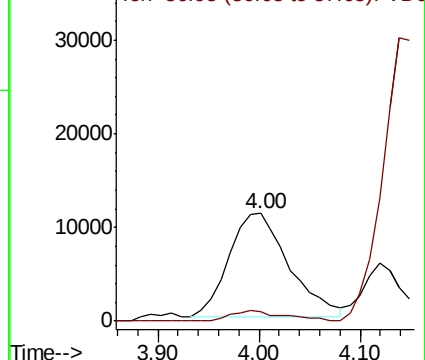
59 100

57 9.1 9.3 13.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 22.210 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

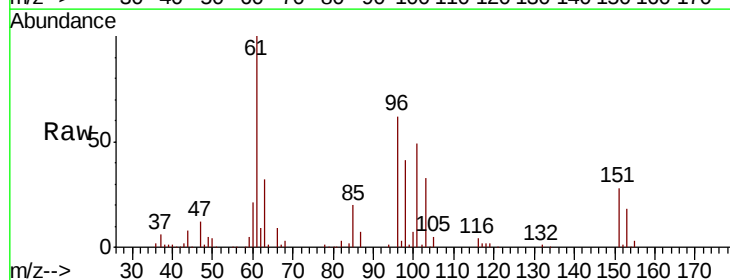
Tgt Ion: 96 Resp: 165038

Ion Ratio Lower Upper

96 100

61 162.5 142.2 213.4

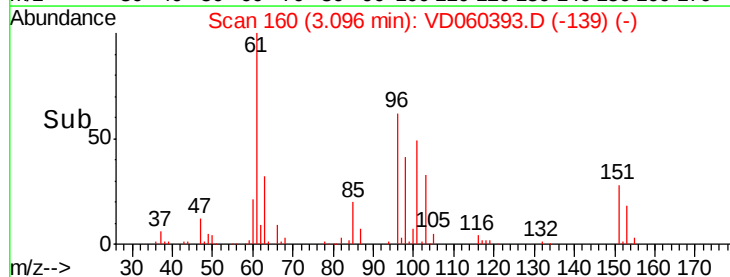
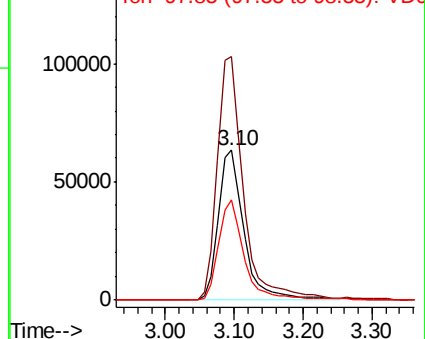
98 66.5 52.6 79.0

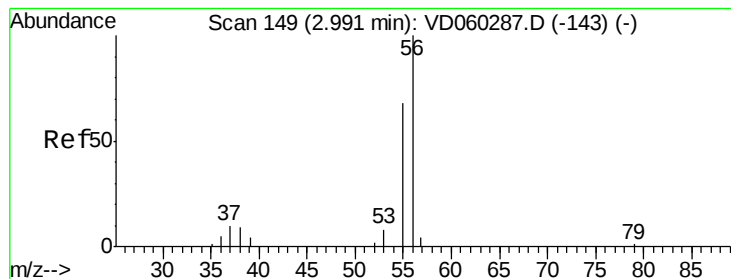


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 80.085 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.02 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

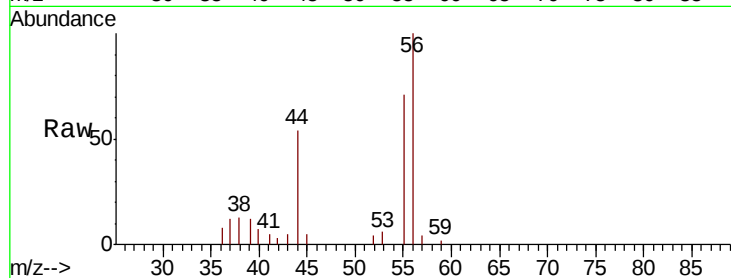
VD1116SBS01

Tot Ion: 56 Resp: 42371

Ion Ratio Lower Upper

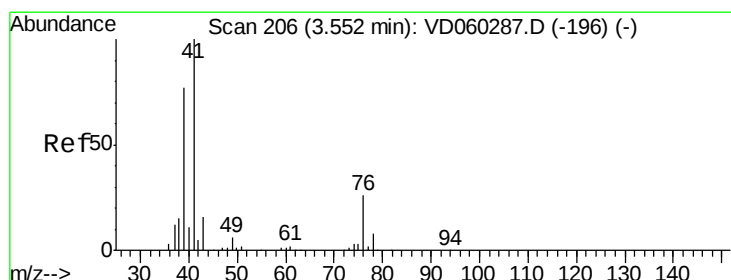
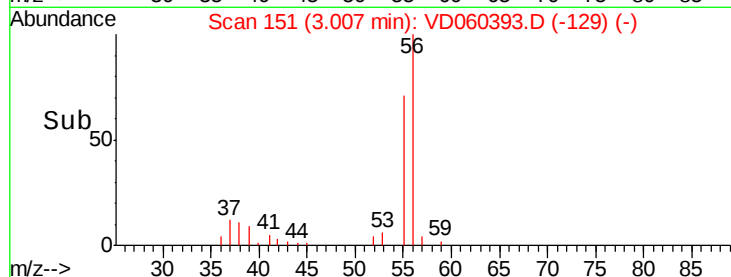
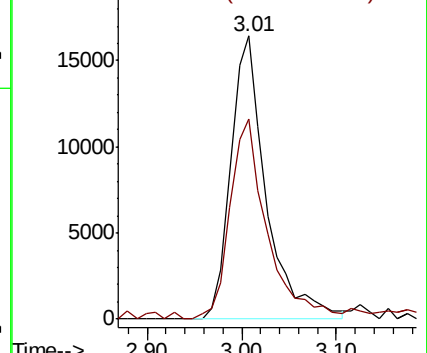
56 100

55 70.8 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.560 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

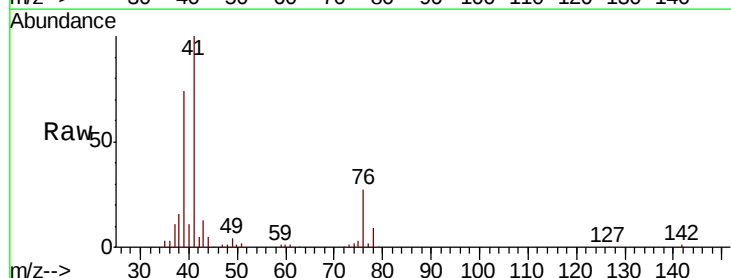
Tgt Ion: 41 Resp: 306539

Ion Ratio Lower Upper

41 100

39 74.0 60.4 90.6

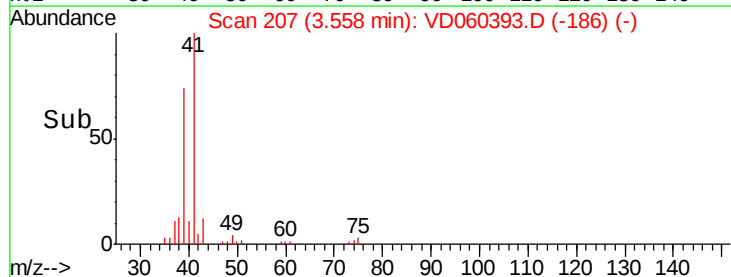
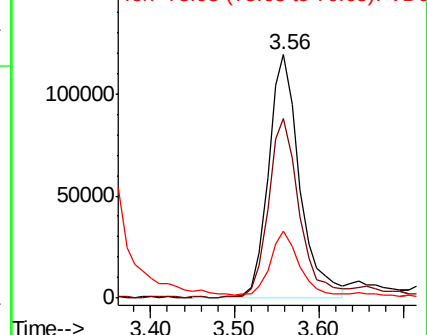
76 27.3 21.8 32.8

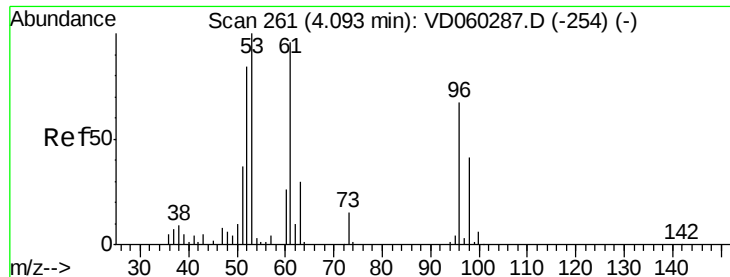


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 104.682 ug/l

RT: 4.11 min Scan# 263

Delta R.T. 0.02 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

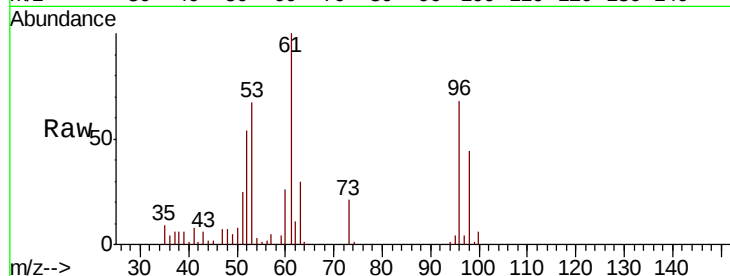
Tot Ion: 53 Resp: 273333

Ion Ratio Lower Upper

53 100

52 80.9 67.0 100.4

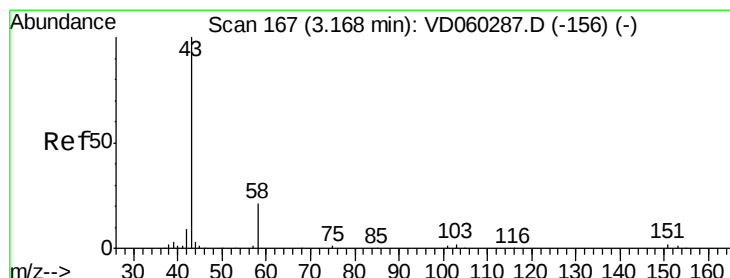
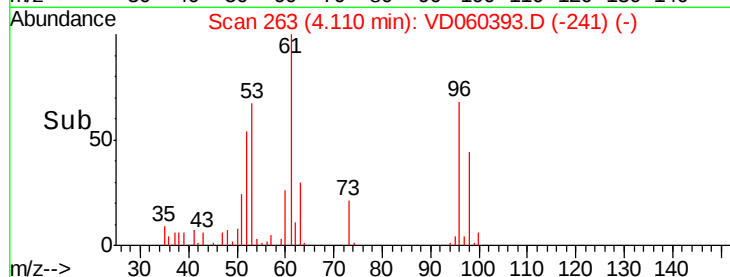
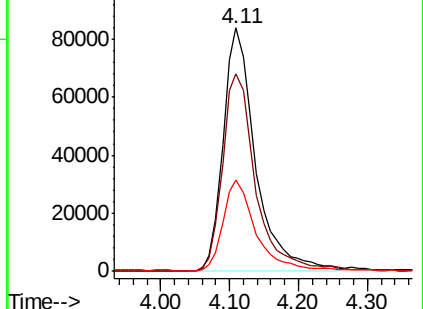
51 37.5 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 101.856 ug/l

RT: 3.17 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060393.D

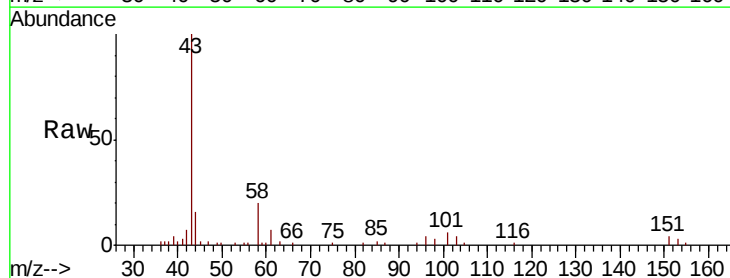
Acq: 16 Nov 2018 12:53

Tgt Ion: 43 Resp: 192652

Ion Ratio Lower Upper

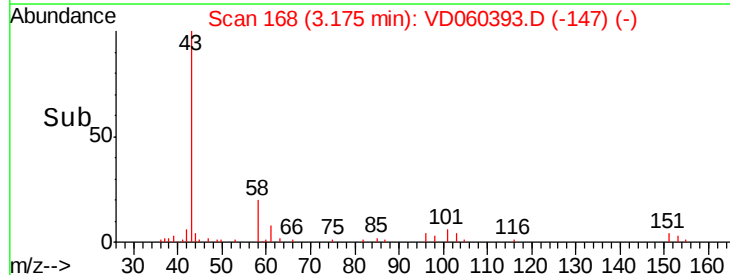
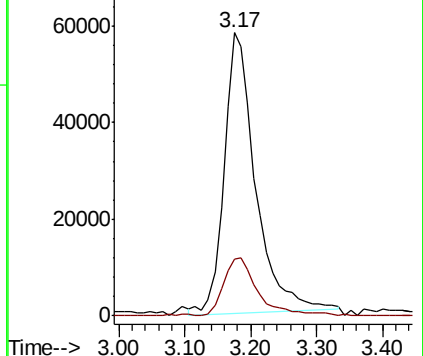
43 100

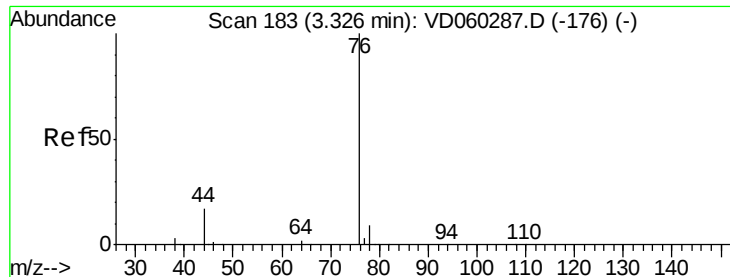
58 20.1 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

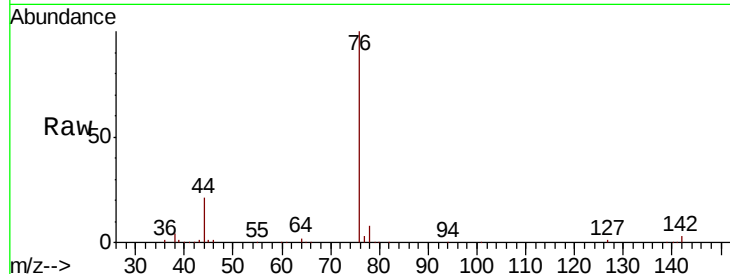




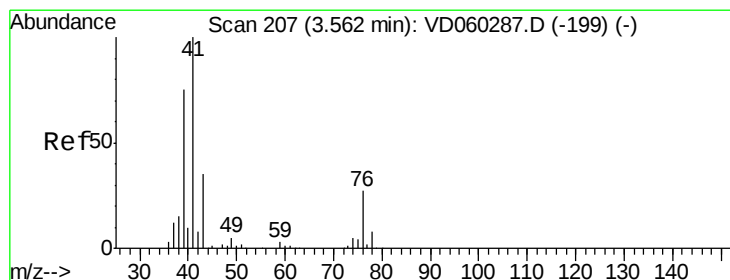
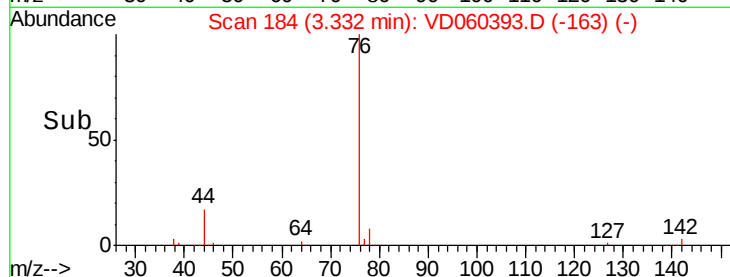
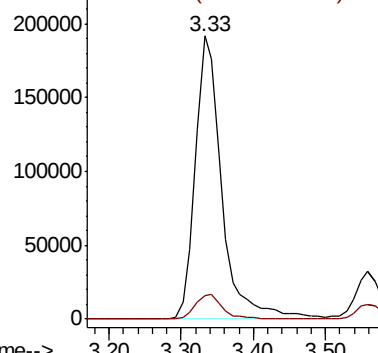
#17
Carbon Disulfide
Concen: 20.269 ug/l
RT: 3.33 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

Tot Ion: 76 Resp: 486136
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.4

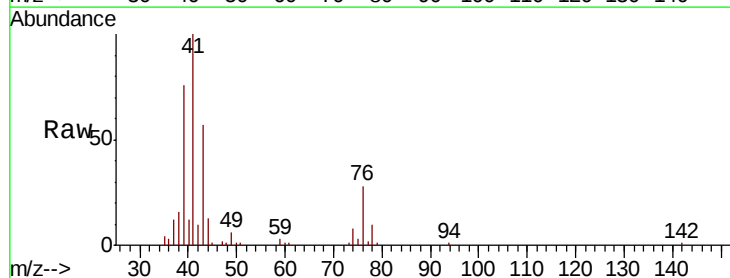


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

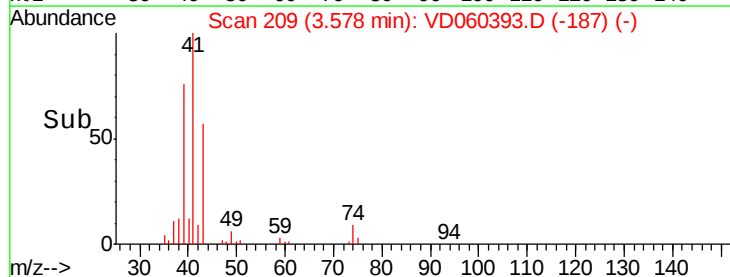
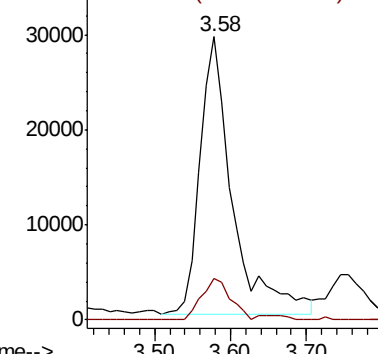


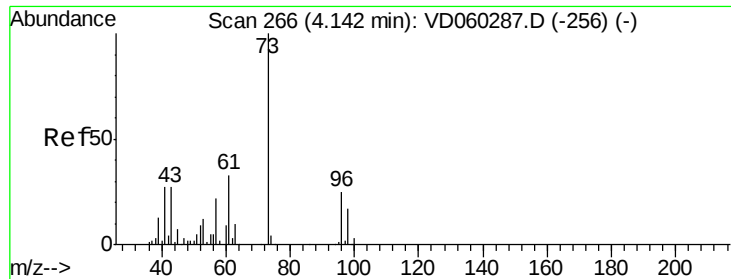
#18
Methyl Acetate
Concen: 21.305 ug/l
RT: 3.58 min Scan# 209
Delta R.T. 0.02 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion: 43 Resp: 85922
Ion Ratio Lower Upper
43 100
74 14.8 12.4 18.6



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

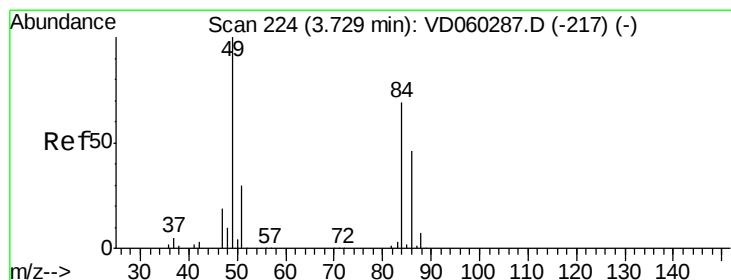
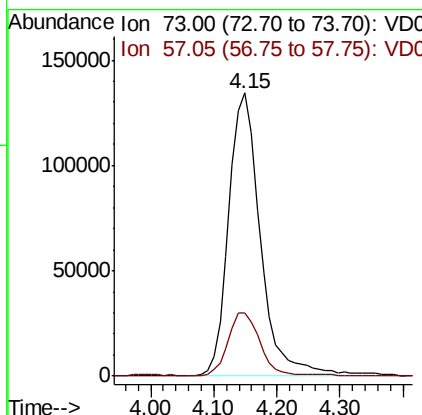
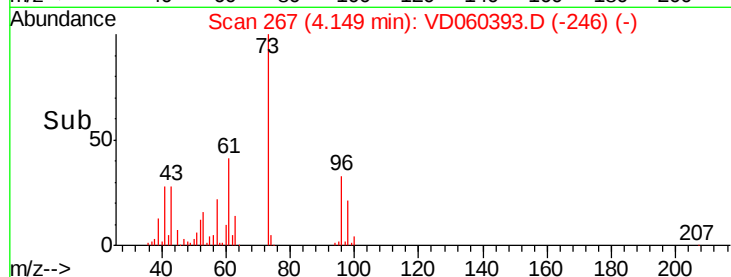
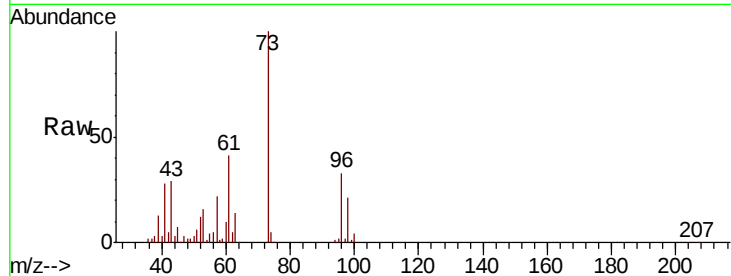




#19
Methyl tert-butyl Ether
Concen: 21.023 ug/l
RT: 4.15 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

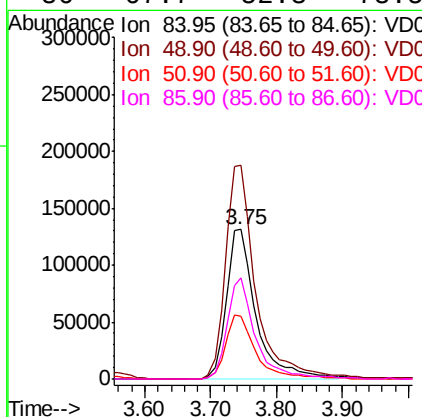
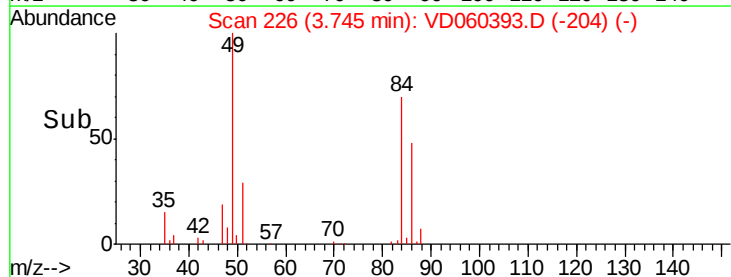
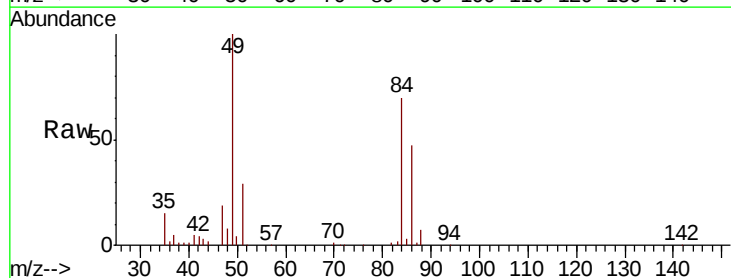
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

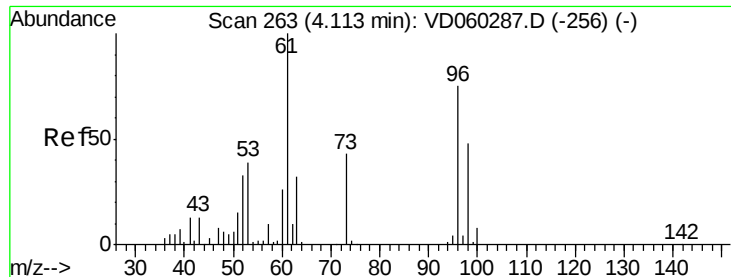
Tot Ion: 73 Resp: 467766
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1



#20
Methylene Chloride
Concen: 24.622 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion: 84 Resp: 413111
Ion Ratio Lower Upper
84 100
49 143.2 115.6 173.4
51 42.0 35.6 53.4
86 67.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.832 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBSD01

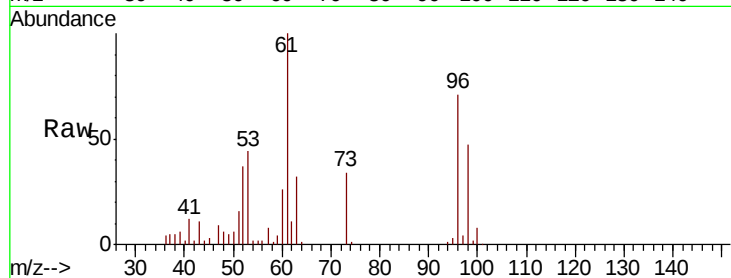
Tot Ion: 96 Resp: 343692

Ion Ratio Lower Upper

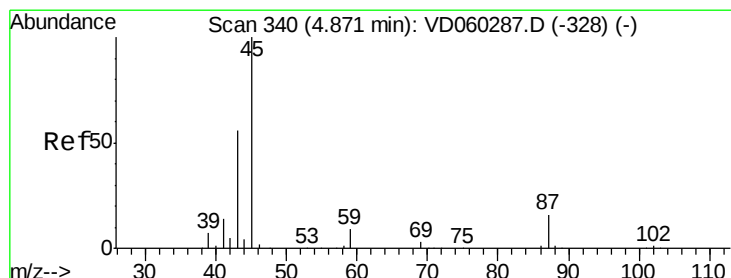
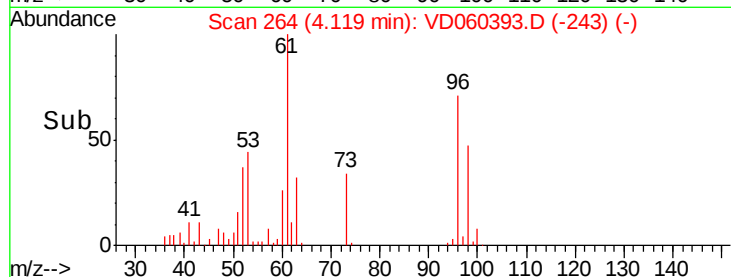
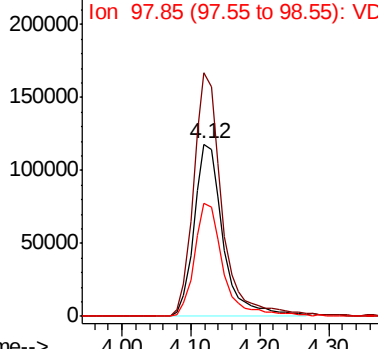
96 100

61 141.2 105.8 158.6

98 65.9 50.8 76.2



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



#22

Diisopropyl ether

Concen: 21.365 ug/l

RT: 4.88 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Tgt Ion: 45 Resp: 1134840

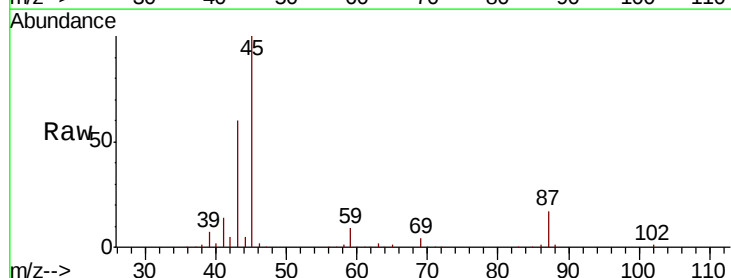
Ion Ratio Lower Upper

45 100

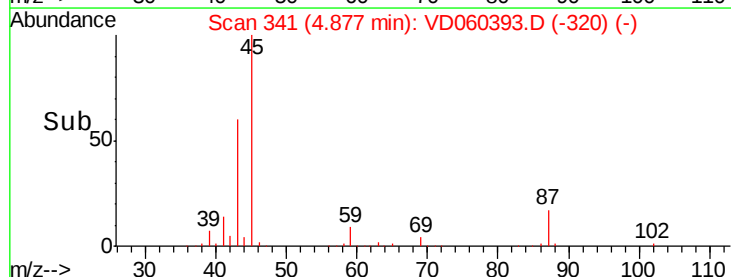
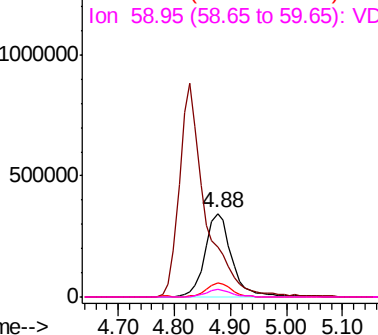
43 59.9 44.9 67.3

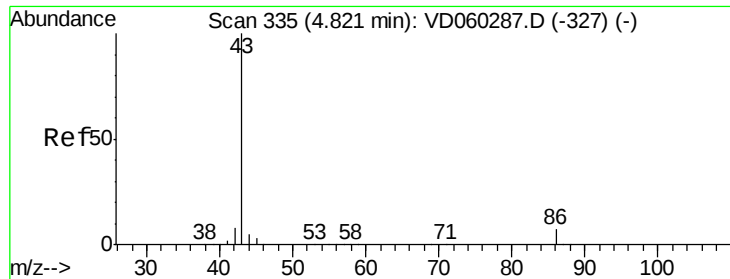
87 17.5 13.9 20.9

59 8.8 7.0 10.6



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: 108.135 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

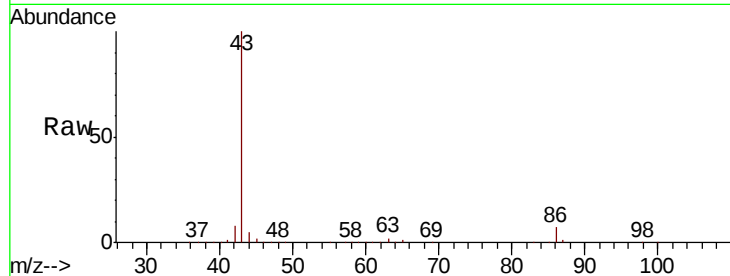
VD1116SBS01

Tot Ion: 43 Resp: 2858075

Ion Ratio Lower Upper

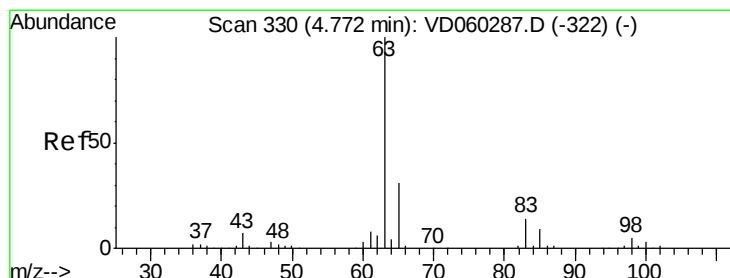
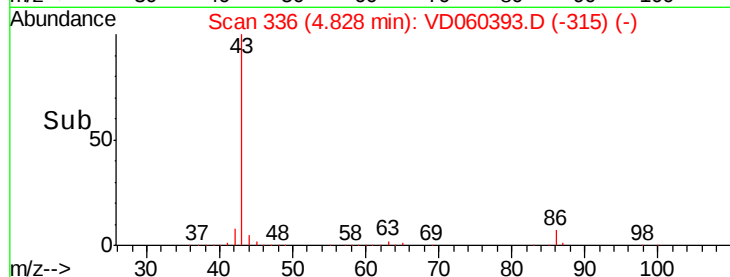
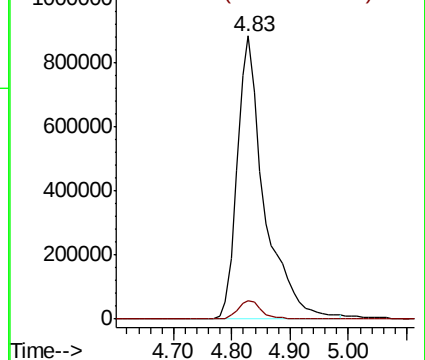
43 100

86 6.7 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.624 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

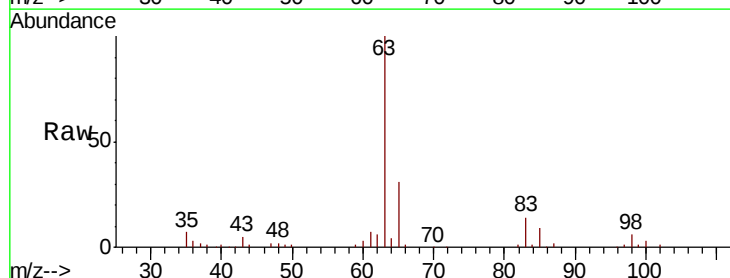
Tgt Ion: 63 Resp: 589023

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

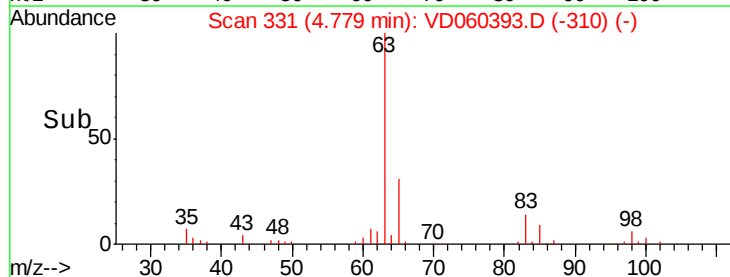
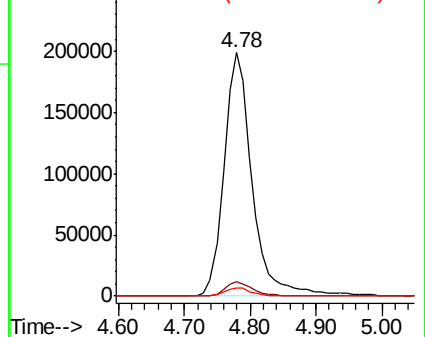
100 3.3 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 102.066 ug/l

RT: 5.64 min Scan# 419

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

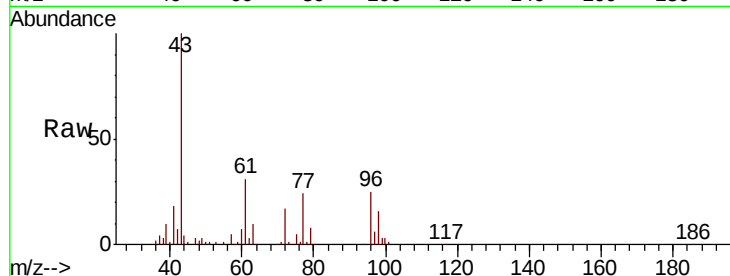
VD1116SBSD01

Tot Ion: 43 Resp: 401263

Ion Ratio Lower Upper

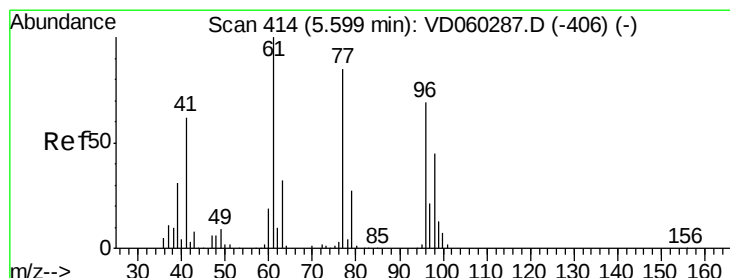
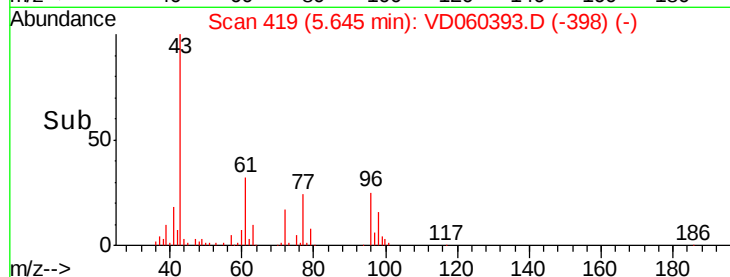
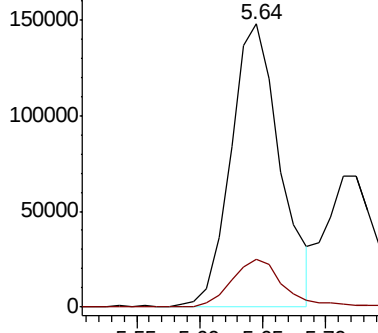
43 100

72 17.0 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.751 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060393.D

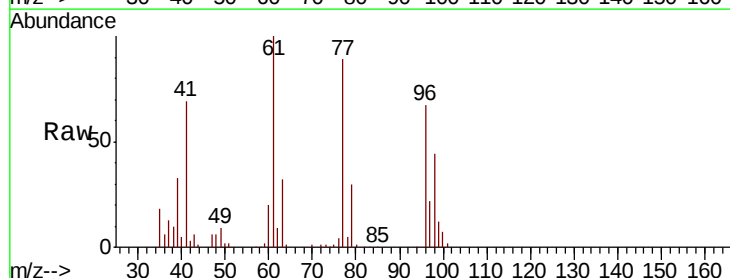
Acq: 16 Nov 2018 12:53

Tgt Ion: 77 Resp: 460620

Ion Ratio Lower Upper

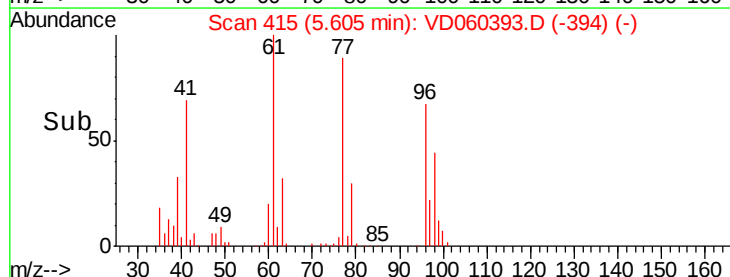
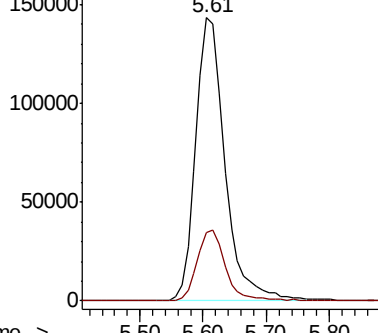
77 100

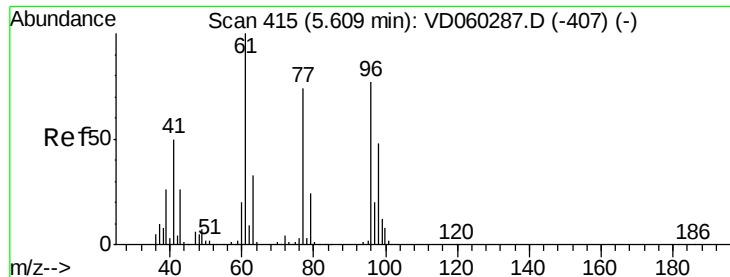
97 24.1 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

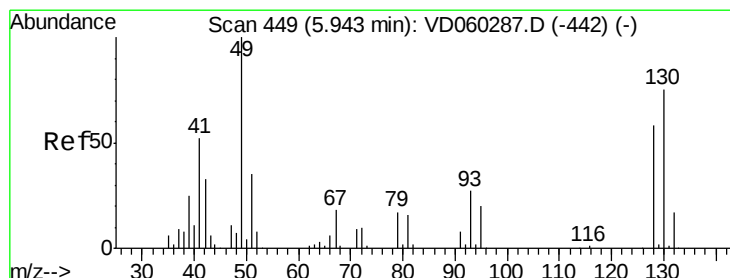
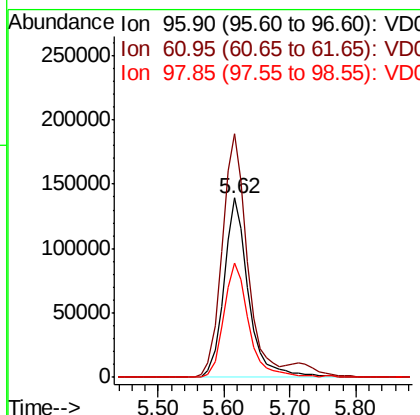
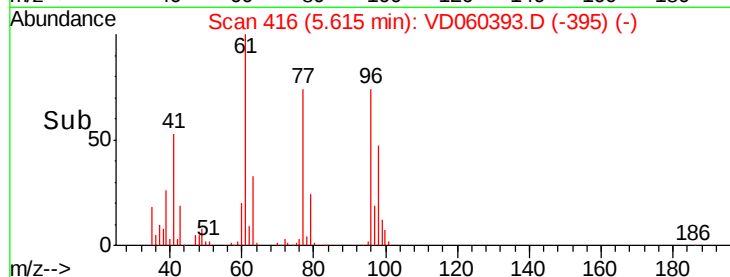
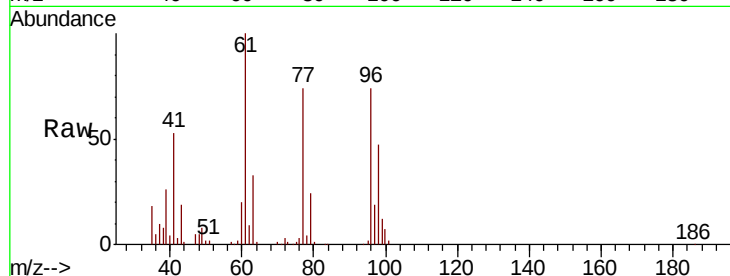




#27
 cis-1,2-Dichloroethene
 Concen: 21.092 ug/l
 RT: 5.62 min Scan# 416
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

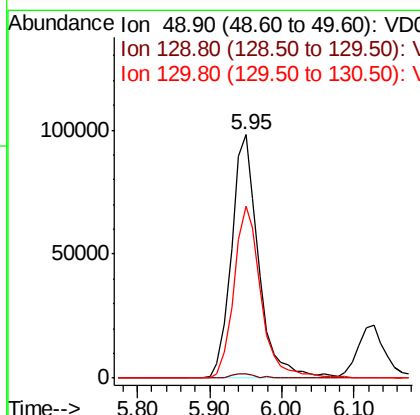
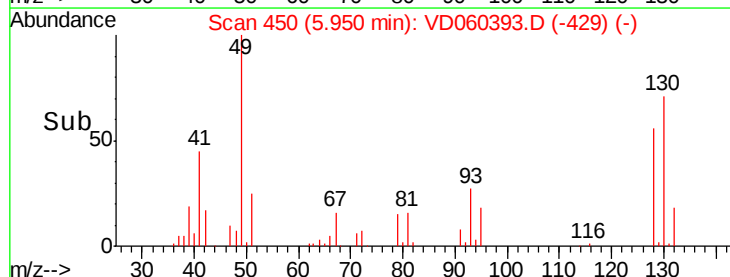
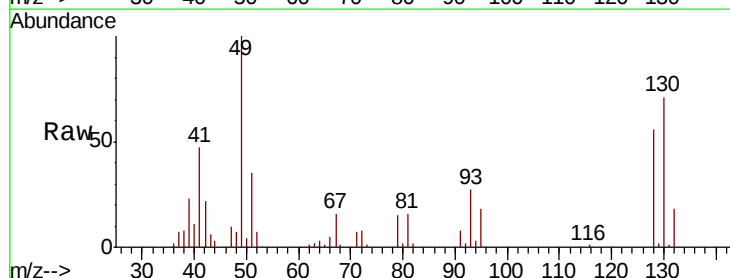
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Tot Ion: 96 Resp: 362532
 Ion Ratio Lower Upper
 96 100
 61 135.9 0.0 259.0
 98 63.9 0.0 128.8



#28
 Bromochloromethane
 Concen: 21.380 ug/l
 RT: 5.95 min Scan# 450
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Tgt Ion: 49 Resp: 256952
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 2.8
 130 70.5 53.6 80.4





#29

Tetrahydrofuran

Concen: 104.146 ug/l

RT: 5.98 min Scan# 453

Delta R.T. 0.02 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

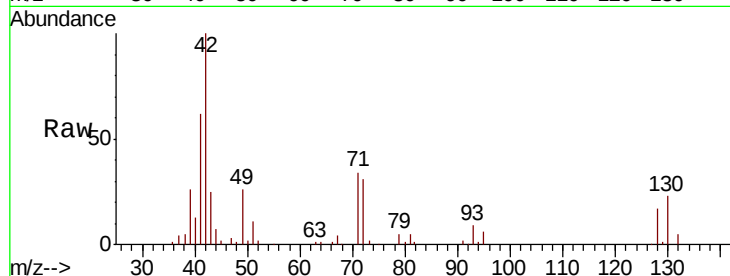
Tot Ion: 42 Resp: 215868

Ion Ratio Lower Upper

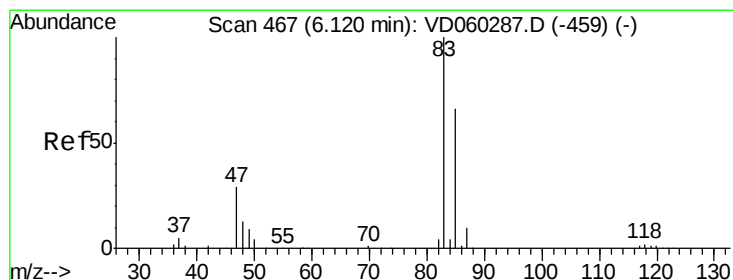
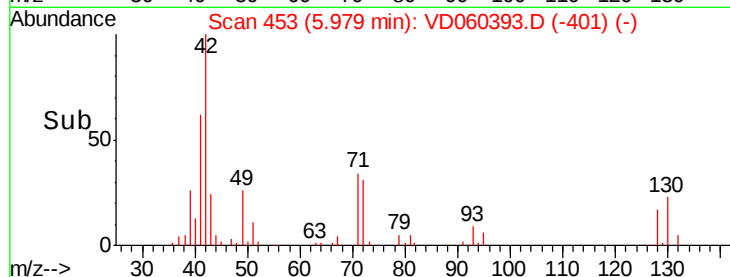
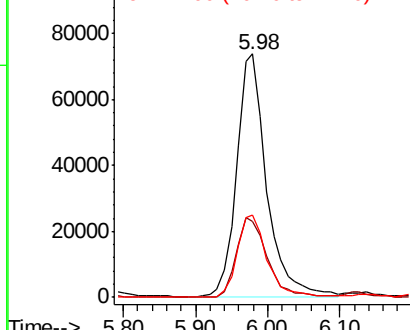
42 100

72 33.3 27.6 41.4

71 33.4 26.5 39.7



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



#30

Chloroform

Concen: 21.450 ug/l

RT: 6.13 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD060393.D

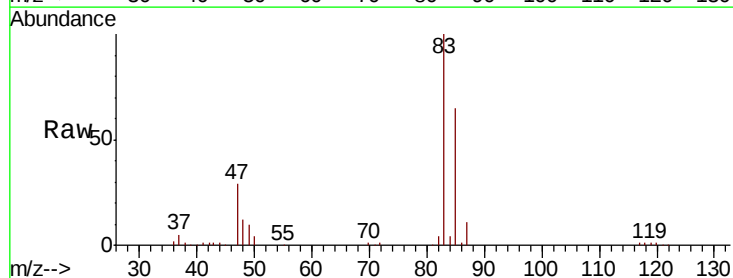
Acq: 16 Nov 2018 12:53

Tgt Ion: 83 Resp: 584099

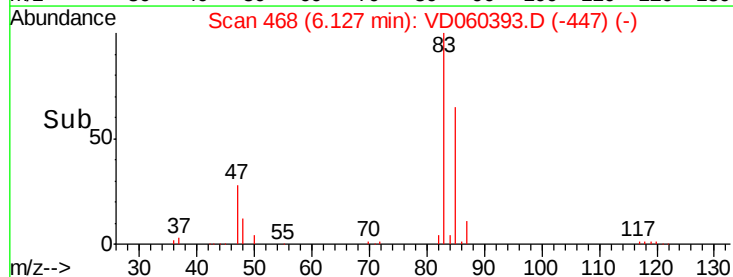
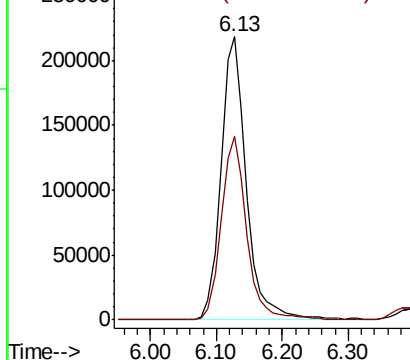
Ion Ratio Lower Upper

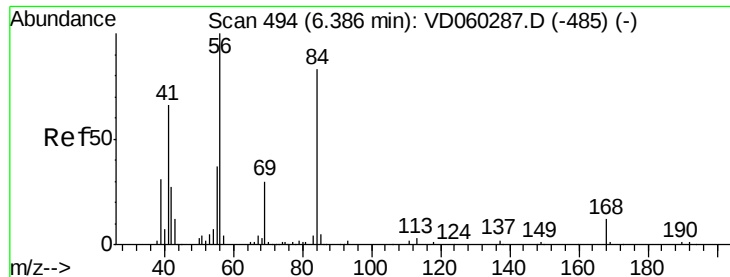
83 100

85 64.9 52.5 78.7



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

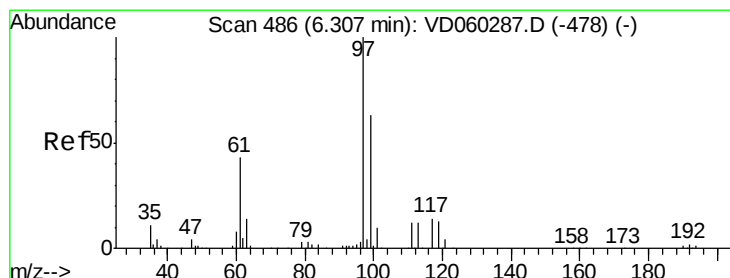
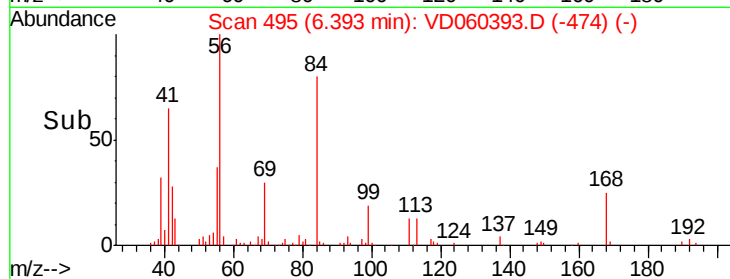
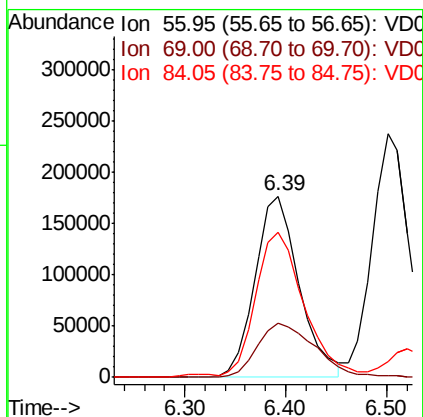
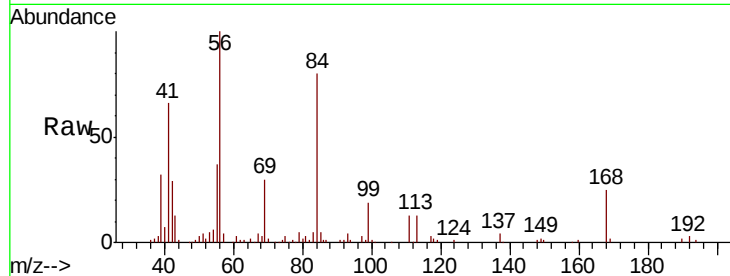




#31
Cyclohexane
Concen: 20.550 ug/l
RT: 6.39 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

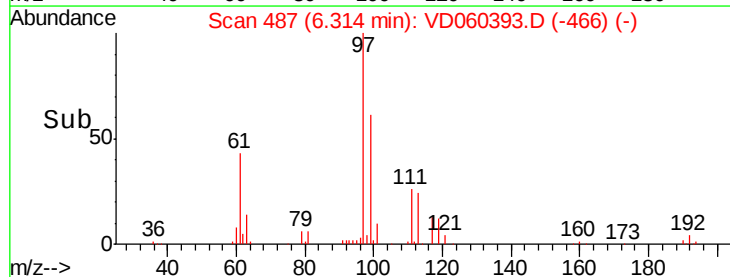
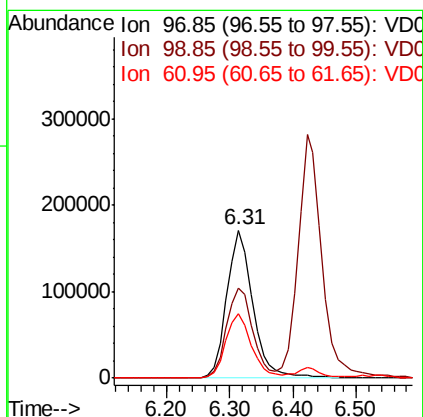
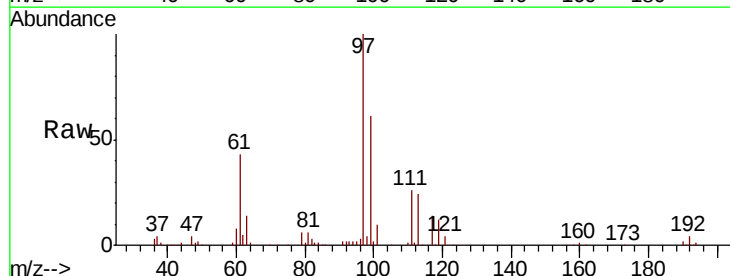
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

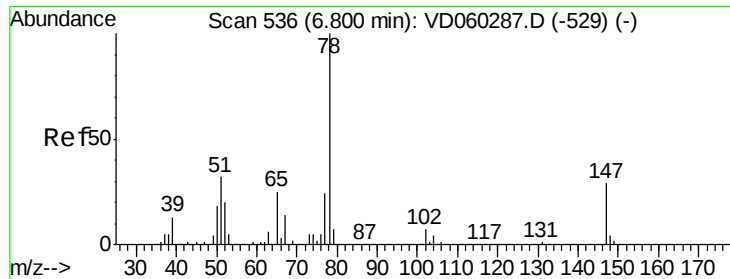
Tot Ion: 56 Resp: 534996
Ion Ratio Lower Upper
56 100
69 30.3 22.2 33.2
84 79.9 63.0 94.4



#32
1,1,1-Trichloroethane
Concen: 21.313 ug/l
RT: 6.31 min Scan# 487
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion: 97 Resp: 488861
Ion Ratio Lower Upper
97 100
99 60.8 51.5 77.3
61 43.5 35.8 53.8

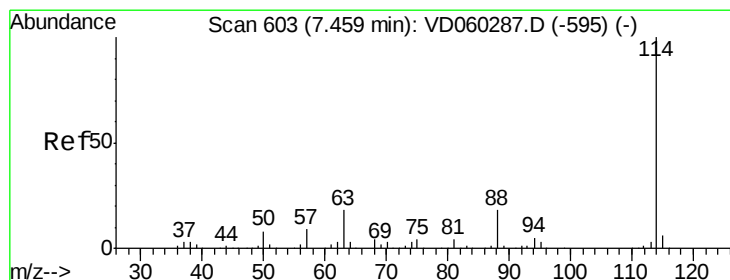
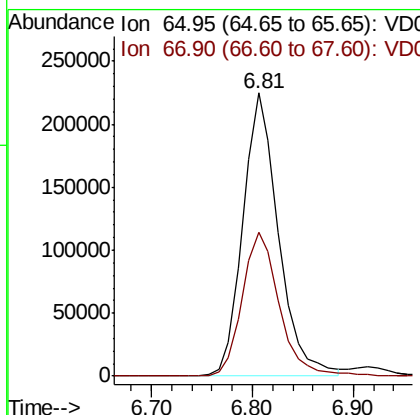
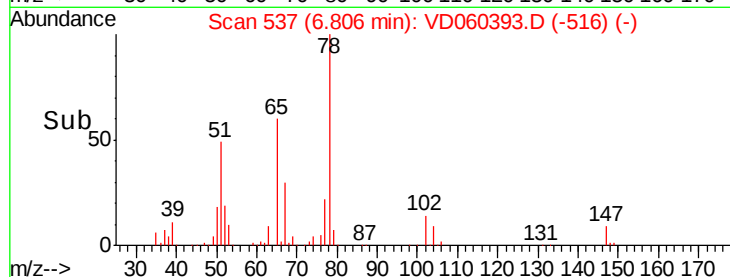
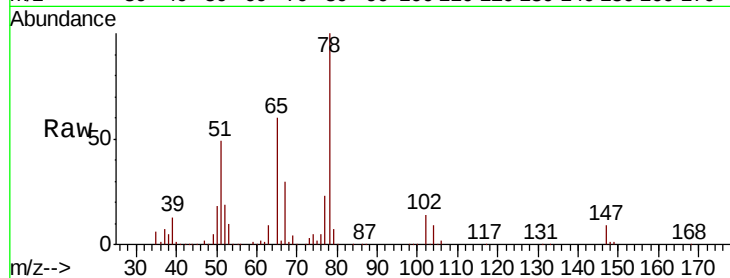




#33
 1,2-Dichloroethane-d4
 Concen: 21.313 ug/l
 RT: 6.81 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

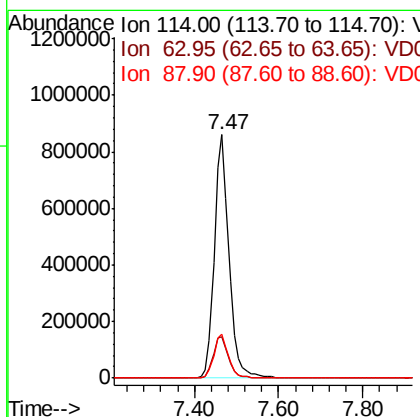
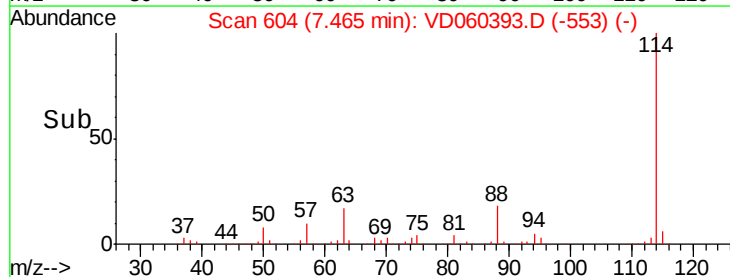
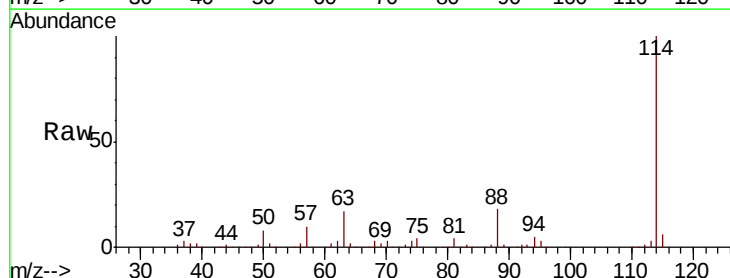
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

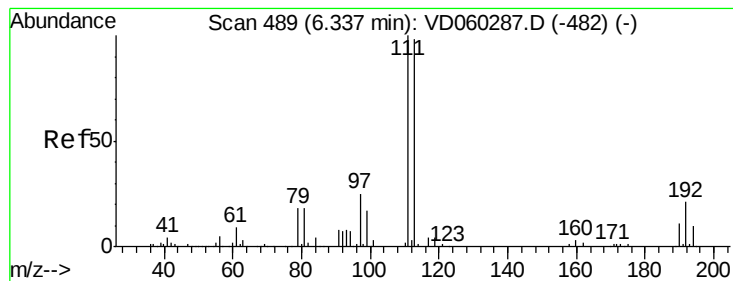
Tot Ion: 65 Resp: 552279
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Tgt Ion: 114 Resp: 2078394
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 34.0
 88 17.9 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.34 min Scan# 490

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBSD01

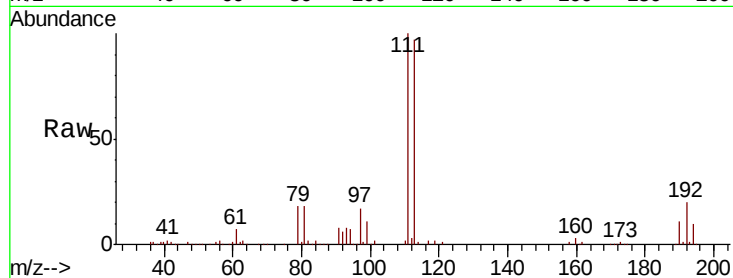
Tot Ion:113 Resp: 815498

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

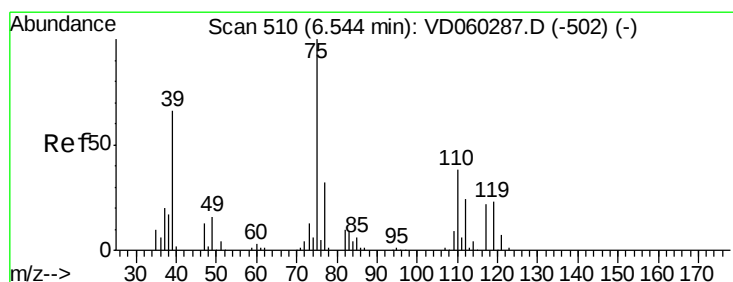
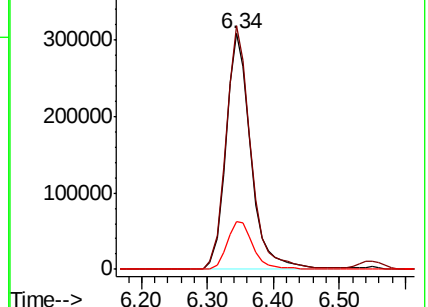
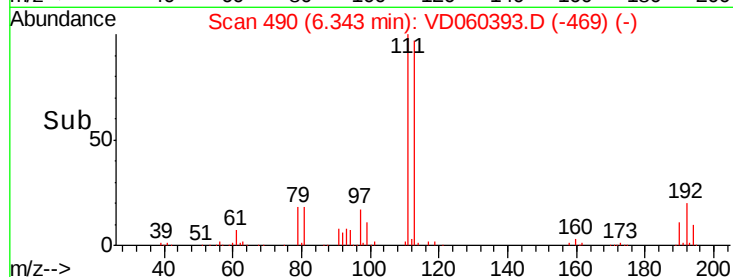
192 20.2 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.788 ug/l

RT: 6.54 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

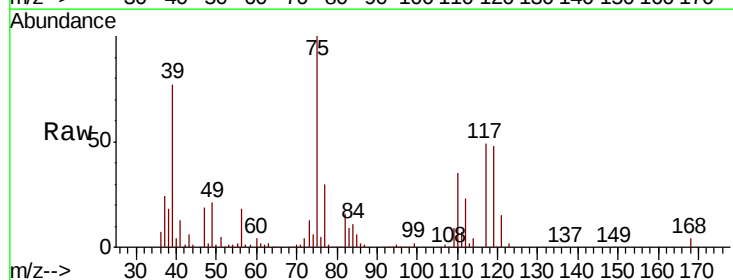
Tgt Ion: 75 Resp: 447378

Ion Ratio Lower Upper

75 100

110 34.8 18.0 54.0

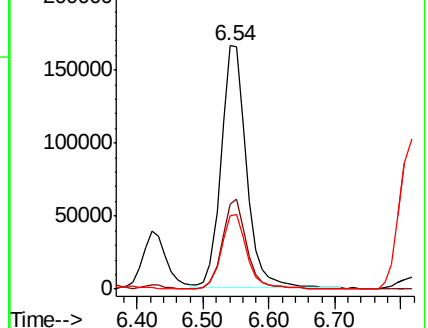
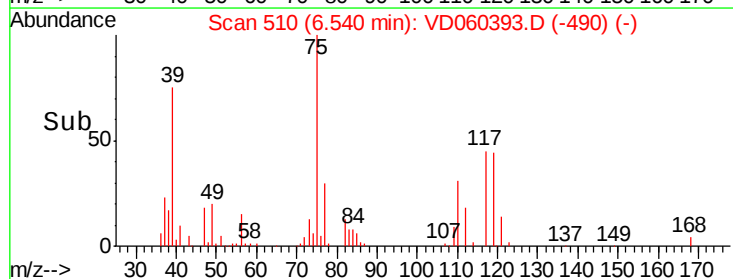
77 30.2 25.6 38.4

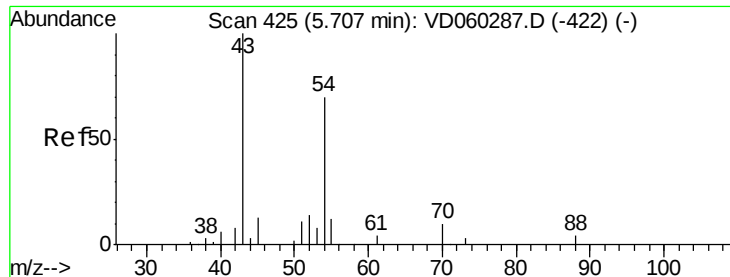


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

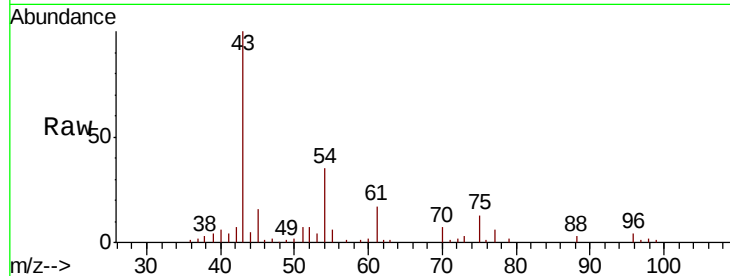




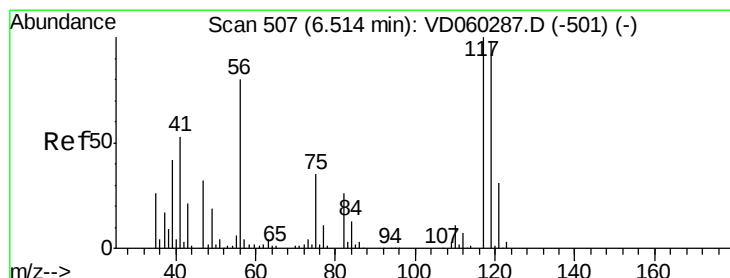
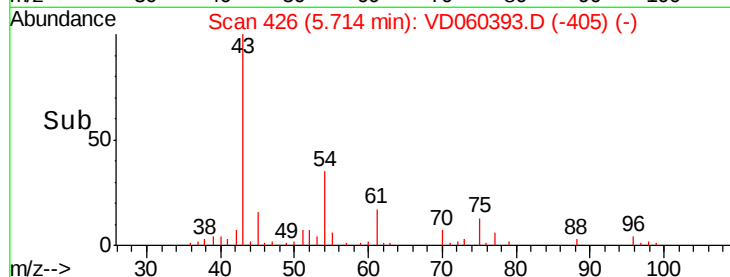
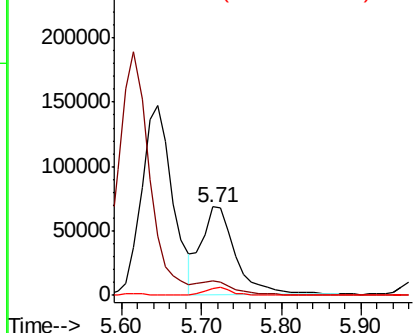
#37
Ethyl Acetate
Concen: 21.419 ug/l
RT: 5.71 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion: 43 Resp: 202382
Ion Ratio Lower Upper
43 100
61 17.1 11.8 17.6
70 7.4 6.2 9.4

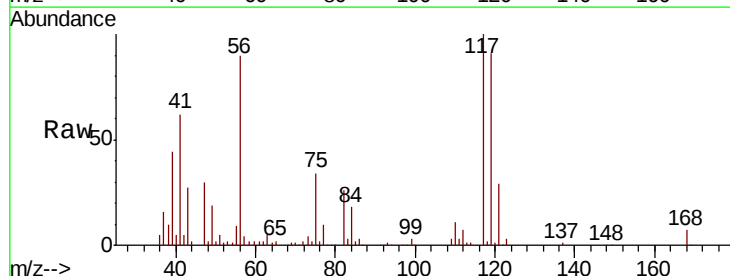


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

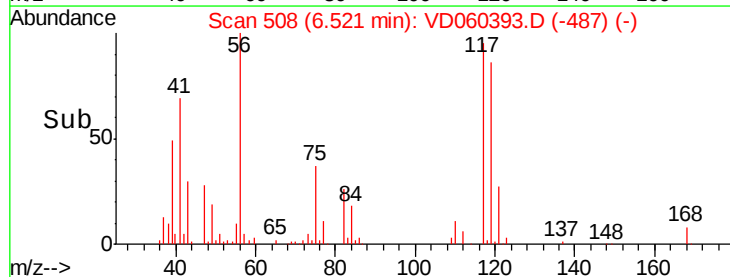
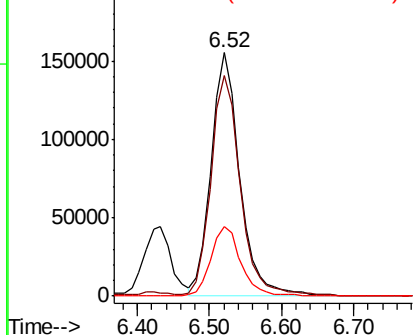


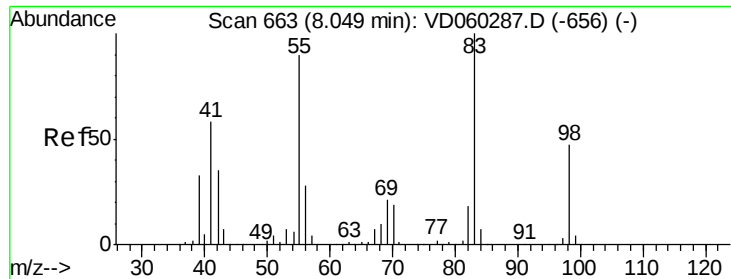
#38
Carbon Tetrachloride
Concen: 22.068 ug/l
RT: 6.52 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion: 117 Resp: 420343
Ion Ratio Lower Upper
117 100
119 90.7 76.6 115.0
121 28.8 24.3 36.5



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

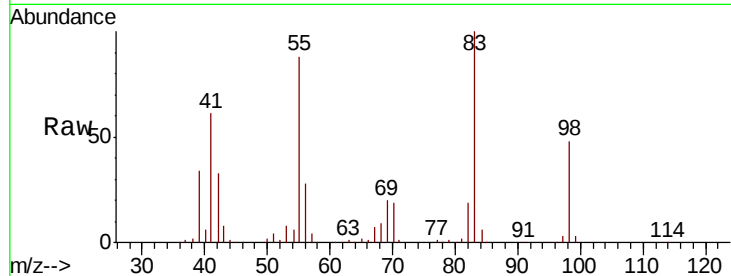




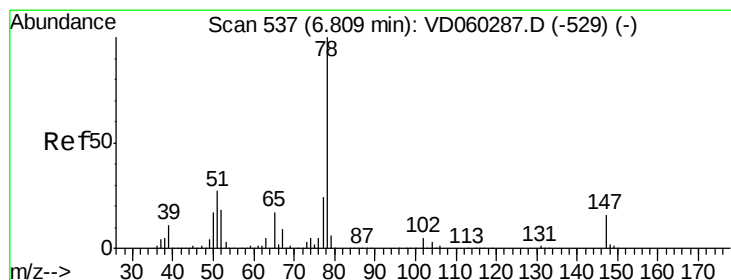
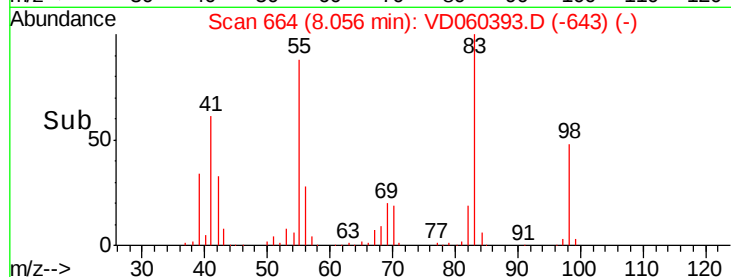
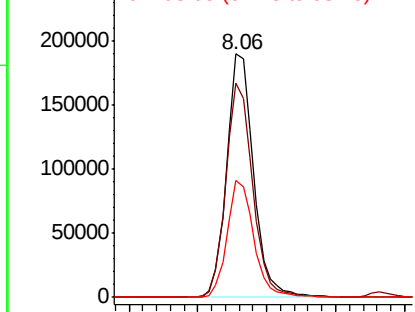
#39
Methvlcvclohexane
Concen: 21.795 ug/l
RT: 8.06 min Scan# 664
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

Tot Ion: 83 Resp: 514726
Ion Ratio Lower Upper
83 100
55 87.7 71.2 106.8
98 47.8 38.4 57.6

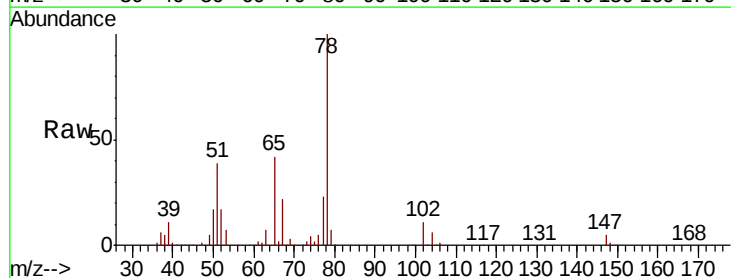


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

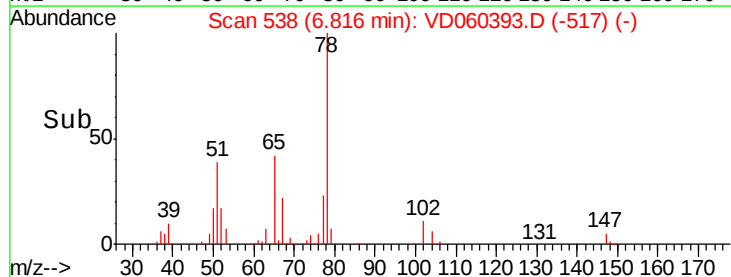
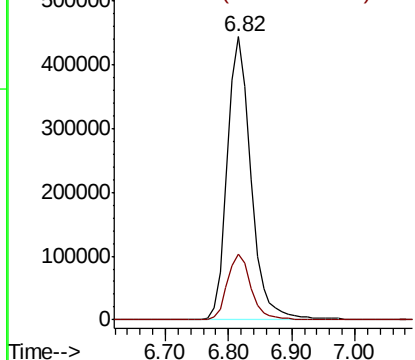


#40
Benzene
Concen: 22.087 ug/l
RT: 6.82 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion: 78 Resp: 1157687
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2



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

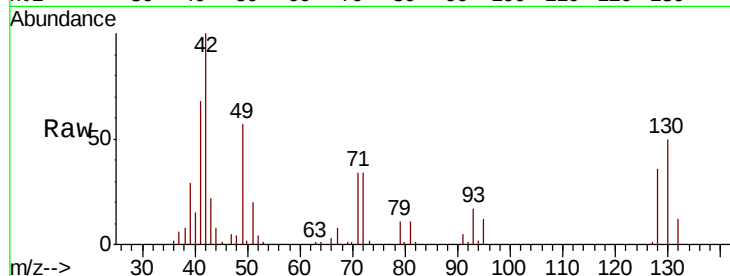




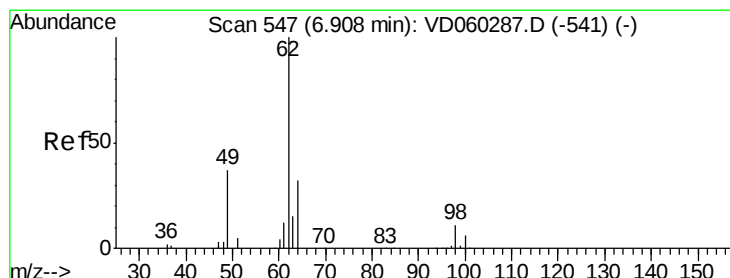
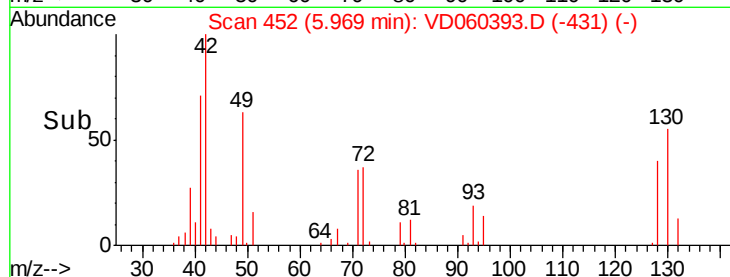
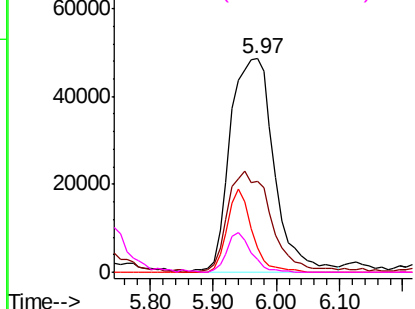
#41
Methacrylonitrile
Concen: 21.711 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

Tot Ion: 41 Resp: 234796
Ion Ratio Lower Upper
41 100
39 42.5 36.2 54.2
67 11.3 11.9 17.9#
52 6.1 5.2 7.8

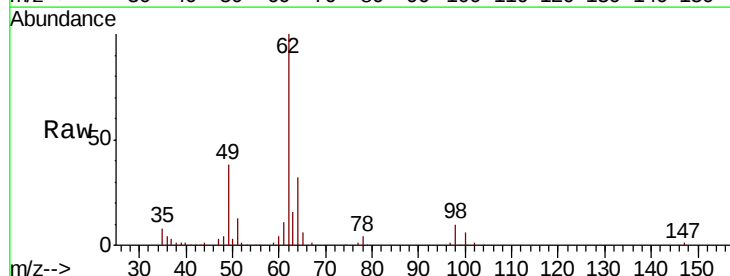


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

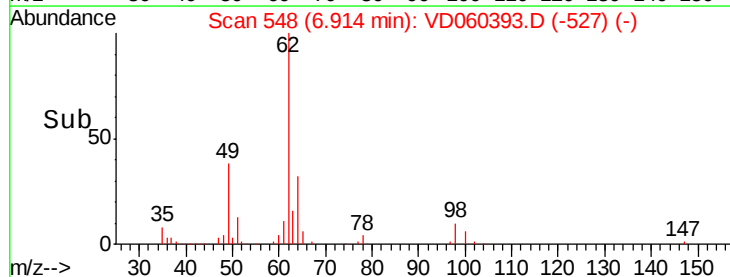
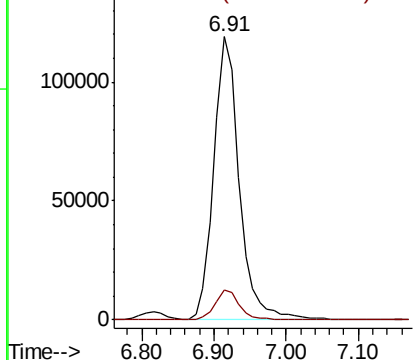


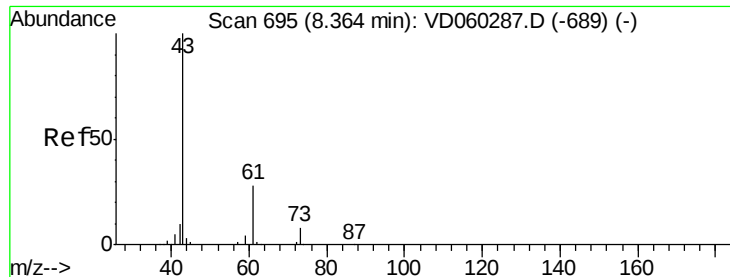
#42
1,2-Dichloroethane
Concen: 21.161 ug/l
RT: 6.91 min Scan# 548
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion: 62 Resp: 290307
Ion Ratio Lower Upper
62 100
98 10.5 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.575 ug/l

RT: 8.37 min Scan# 696

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

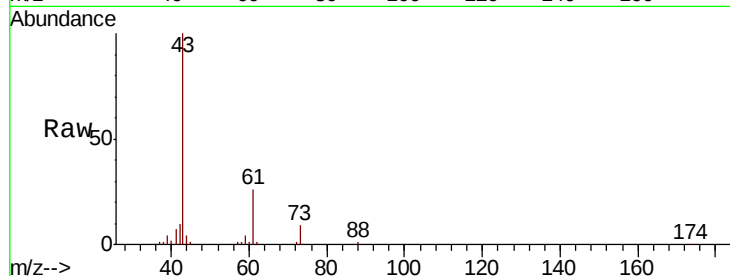
Tot Ion: 43 Resp: 244202

Ion Ratio Lower Upper

43 100

61 25.8 22.3 33.5

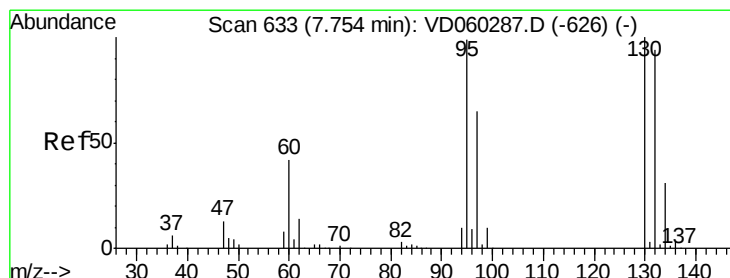
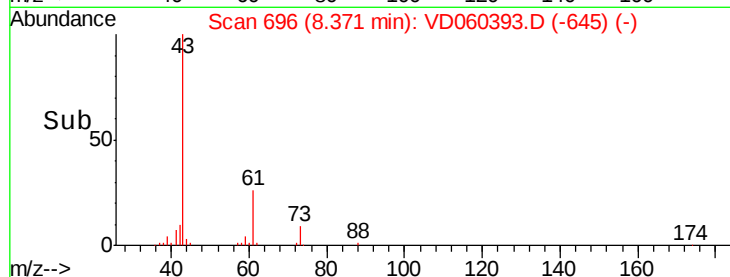
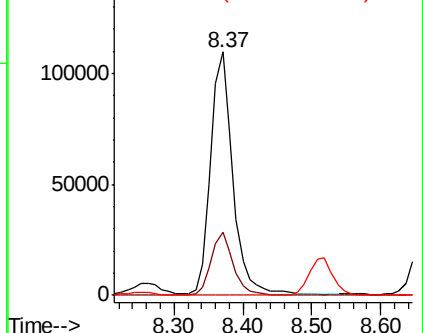
87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.305 ug/l

RT: 7.76 min Scan# 634

Delta R.T. 0.01 min

Lab File: VD060393.D

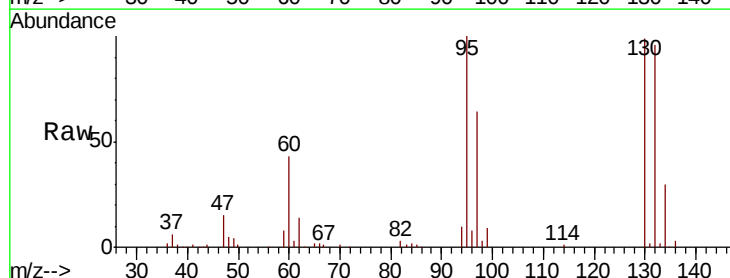
Acq: 16 Nov 2018 12:53

Tgt Ion: 130 Resp: 338509

Ion Ratio Lower Upper

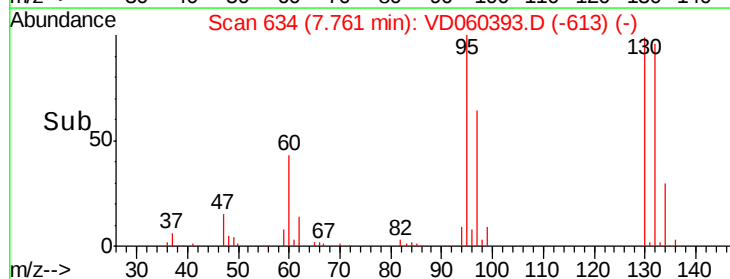
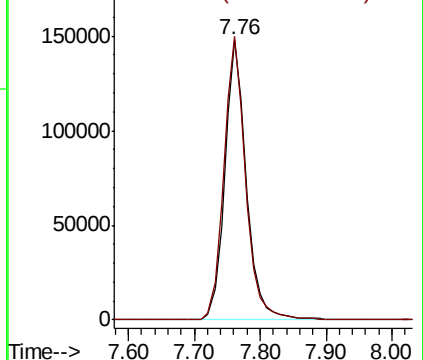
130 100

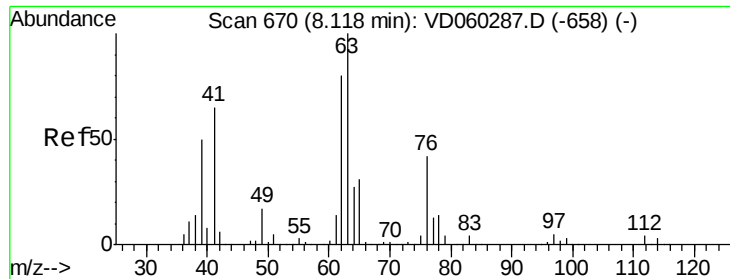
95 101.2 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.513 ug/l

RT: 8.12 min Scan# 671

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

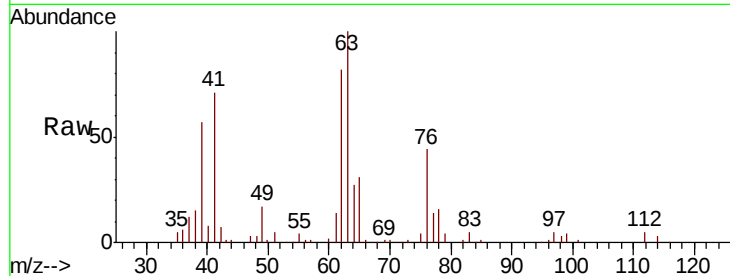
VD1116SBS01

Tot Ion: 63 Resp: 284382

Ion Ratio Lower Upper

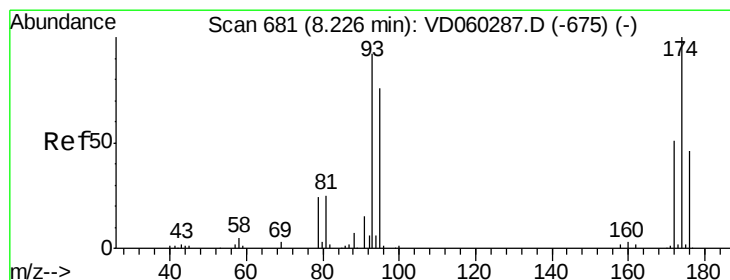
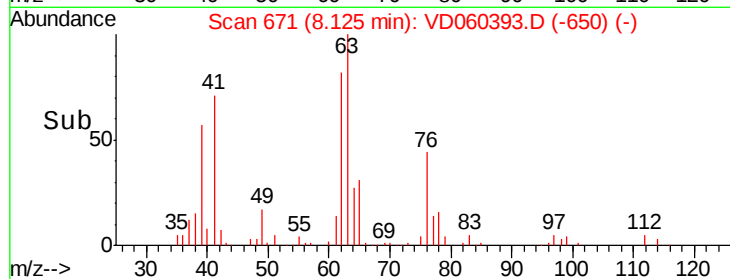
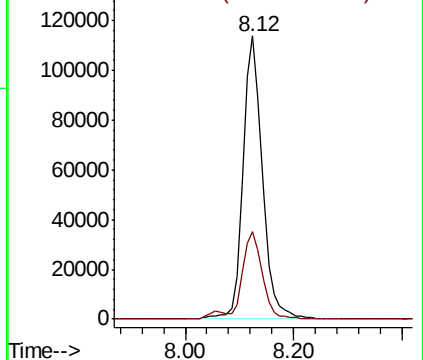
63 100

65 31.0 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.211 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

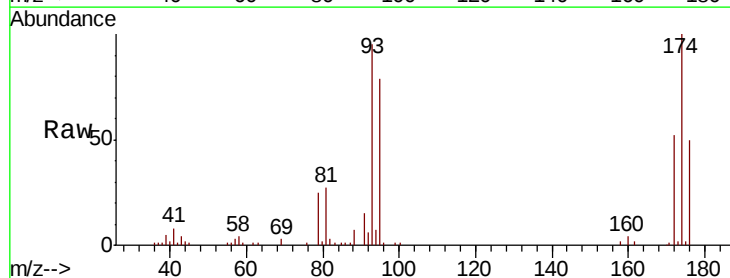
Tgt Ion: 93 Resp: 164221

Ion Ratio Lower Upper

93 100

95 82.8 66.4 99.6

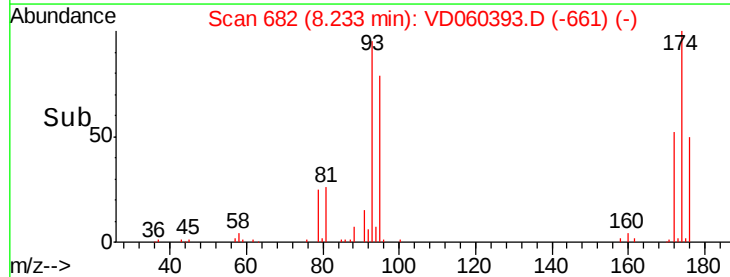
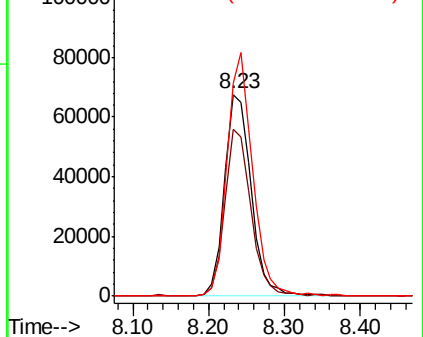
174 105.4 87.8 131.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.405 ug/l

RT: 8.51 min Scan# 710

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBSD01

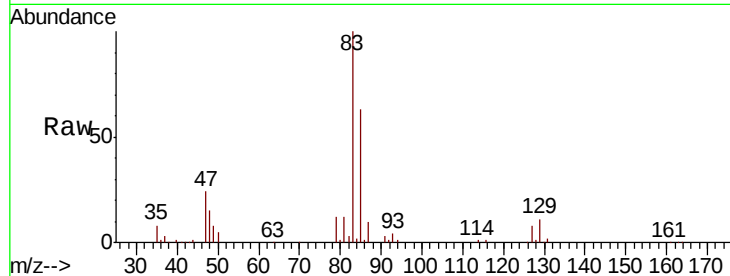
Tot Ion: 83 Resp: 390517

Ion Ratio Lower Upper

83 100

85 63.3 51.0 76.6

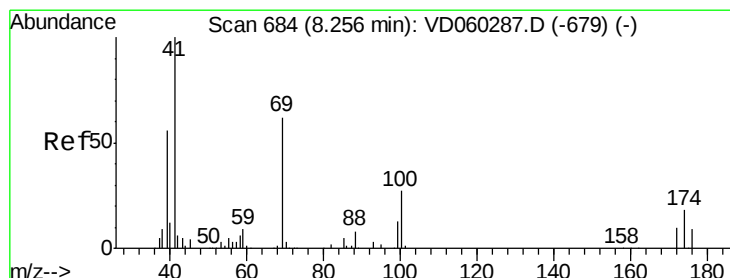
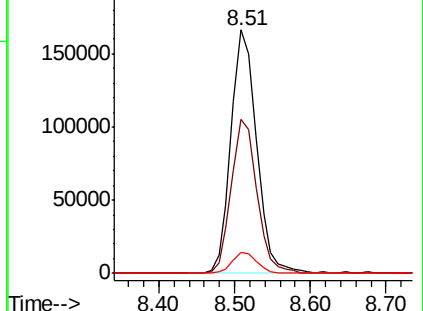
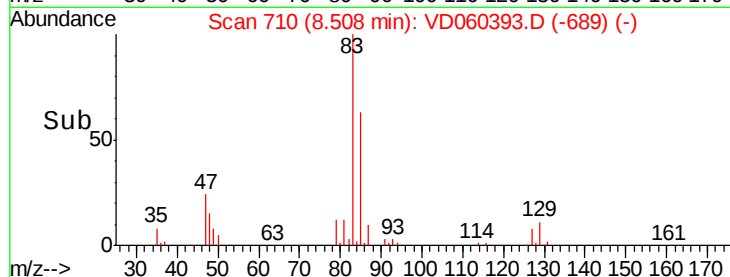
127 8.4 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.120 ug/l

RT: 8.26 min Scan# 685

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

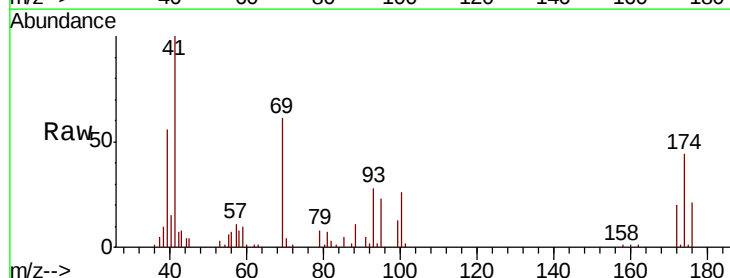
Tgt Ion: 41 Resp: 152264

Ion Ratio Lower Upper

41 100

69 60.9 47.0 70.4

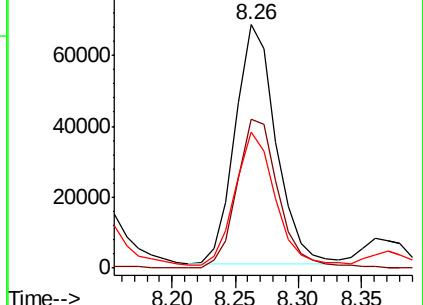
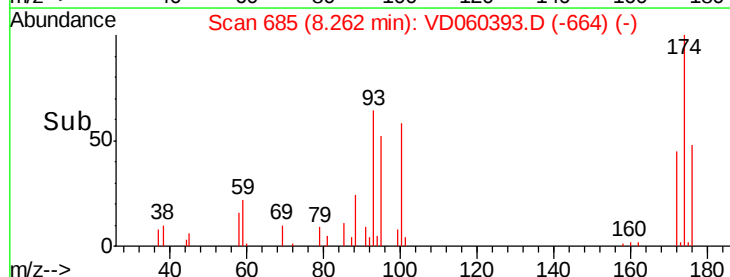
39 56.1 46.2 69.4

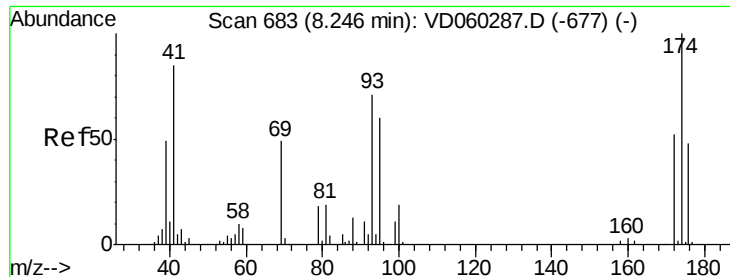


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 432.847 ug/l

RT: 8.25 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

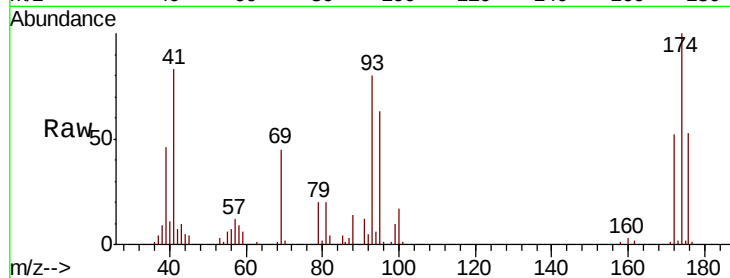
Tot Ion: 88 Resp: 27000

Ion Ratio Lower Upper

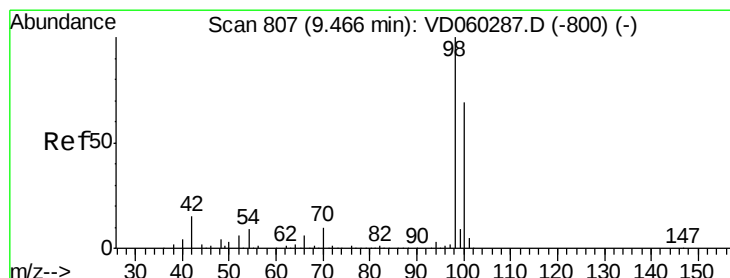
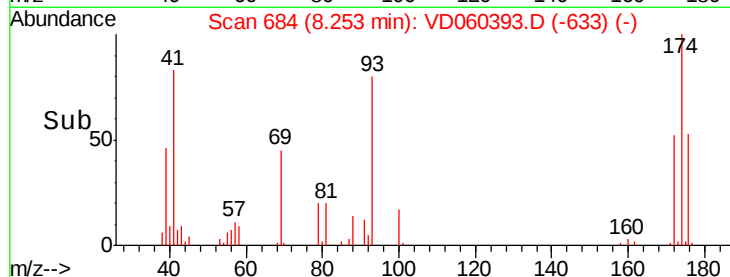
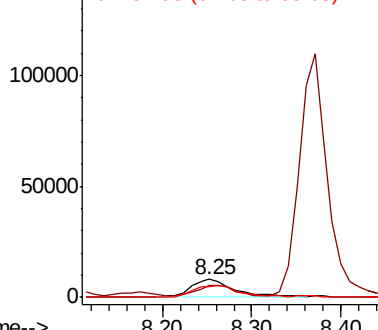
88 100

43 69.2 39.7 59.5#

58 60.3 60.2 90.2



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: 432.847 ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060393.D

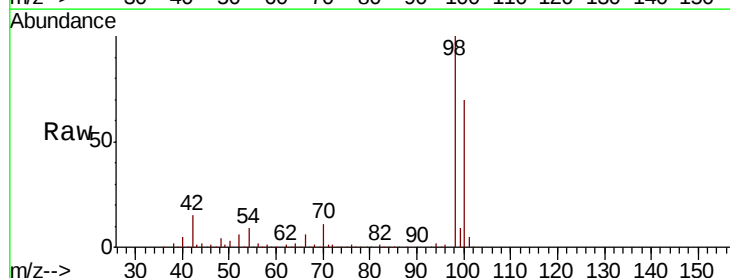
Acq: 16 Nov 2018 12:53

Tgt Ion: 98 Resp: 2341347

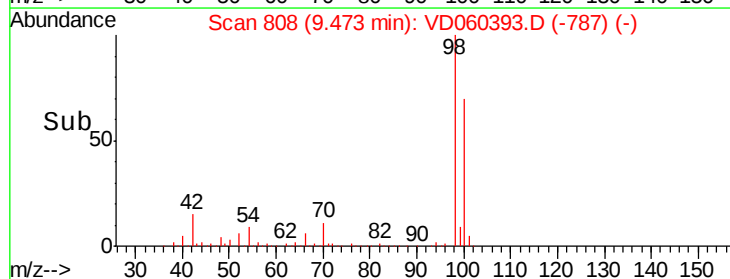
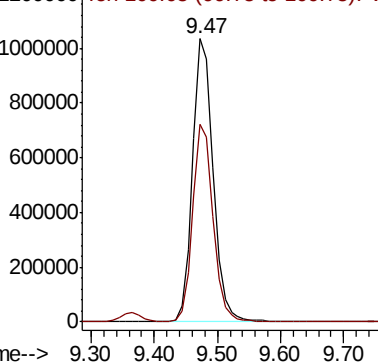
Ion Ratio Lower Upper

98 100

100 69.9 55.2 82.8



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





#51

4-Methyl-2-Pentanone

Concen: 108.182 ug/l

RT: 9.36 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

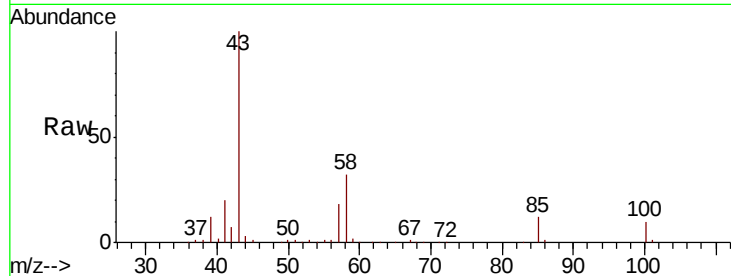
VD1116SBS01

Tot Ion: 43 Resp: 835703

Ion Ratio Lower Upper

43 100

58 31.7 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.36

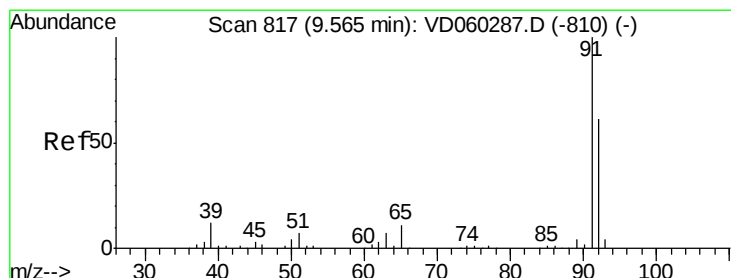
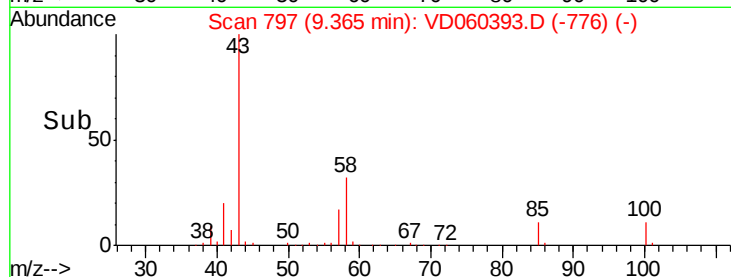
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 22.315 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060393.D

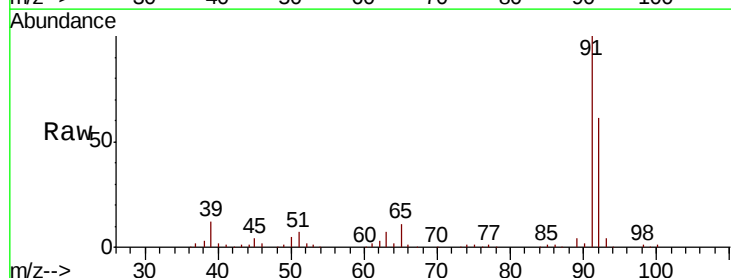
Acq: 16 Nov 2018 12:53

Tgt Ion: 92 Resp: 747146

Ion Ratio Lower Upper

92 100

91 165.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

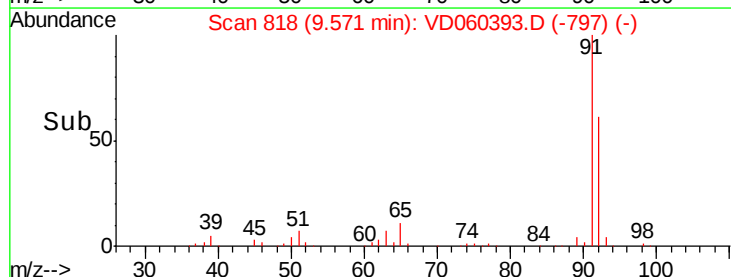
300000

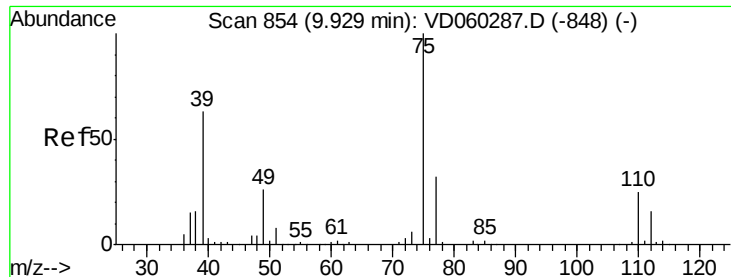
200000

100000

0

Time-->

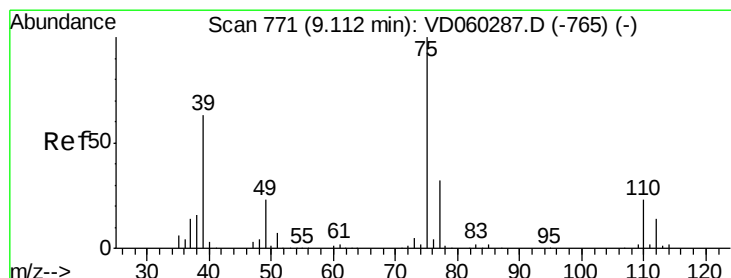
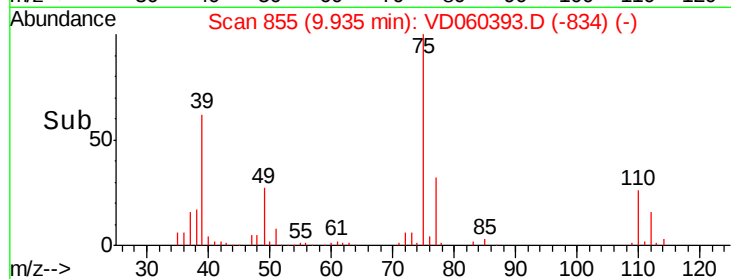
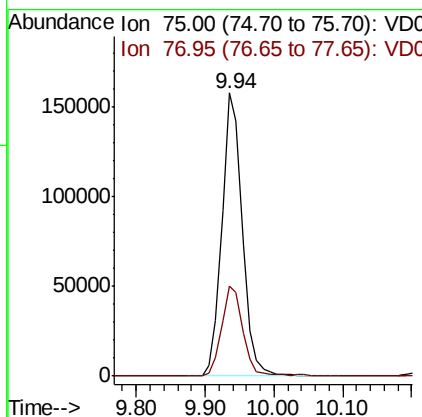
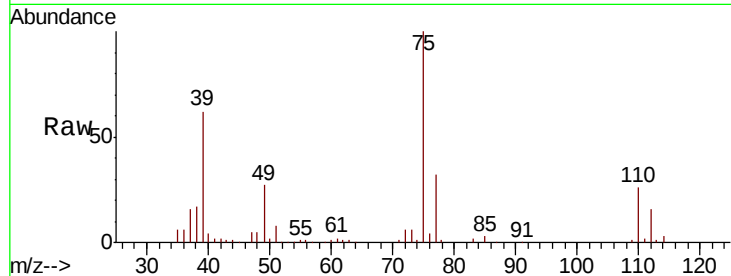




#53
 t-1,3-Dichloropropene
 Concen: 20.896 ug/l
 RT: 9.94 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

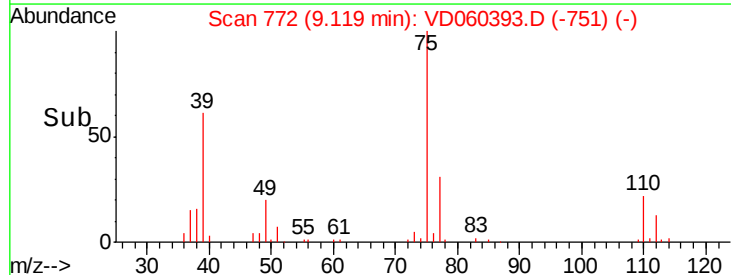
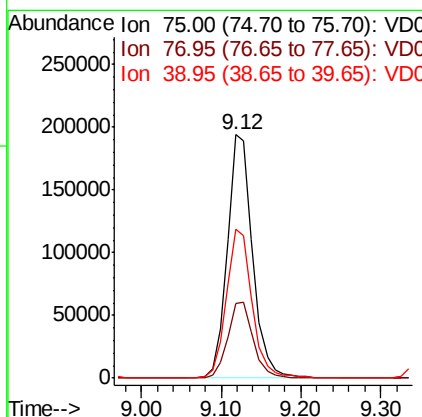
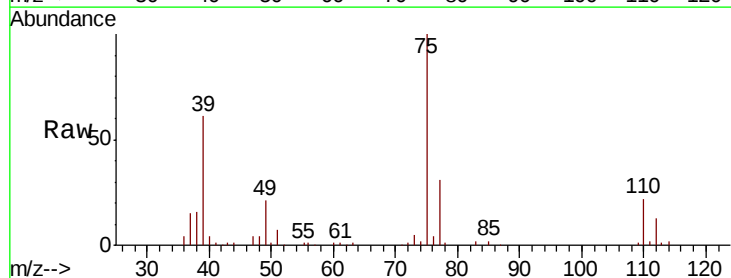
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Tot Ion: 75 Resp: 322118
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.842 ug/l
 RT: 9.12 min Scan# 772
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Tgt Ion: 75 Resp: 431839
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.3 39.5
 39 61.2 50.8 76.2

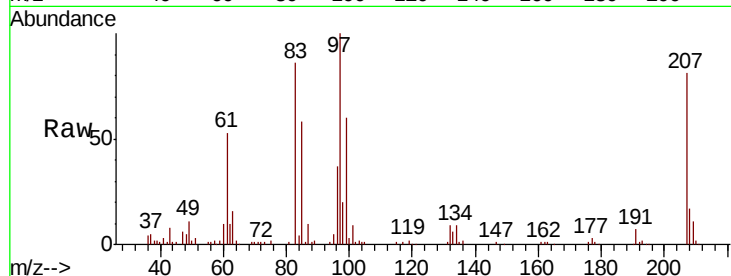




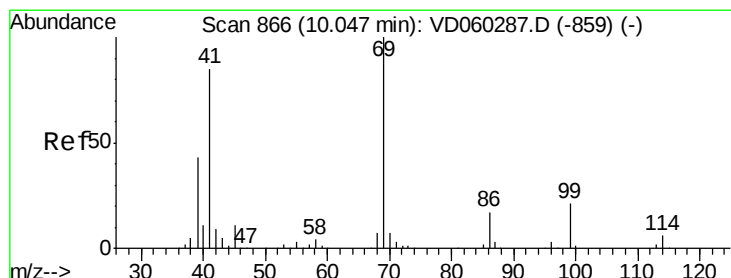
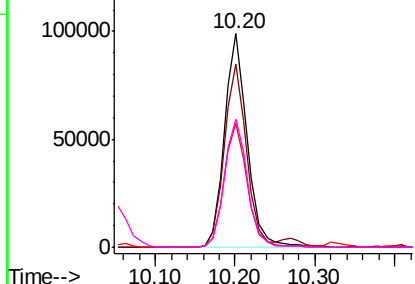
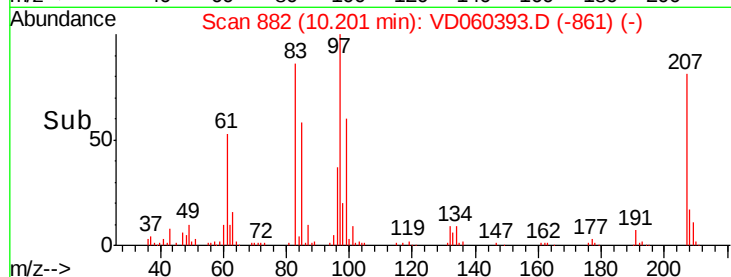
#55
 1,1,2-Trichloroethane
 Concen: 20.518 ug/l
 RT: 10.20 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

Tot Ion:	97	Resp:	199114
Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.4	102.6
85	58.3	46.8	70.2
99	60.1	49.5	74.3

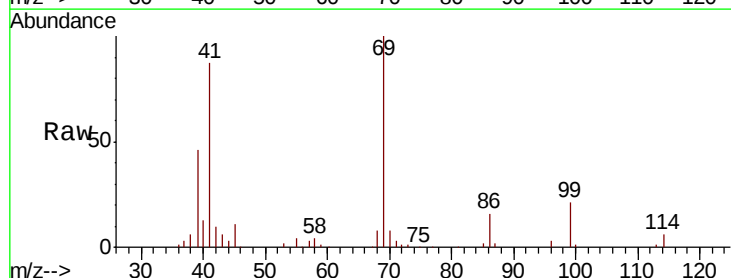


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

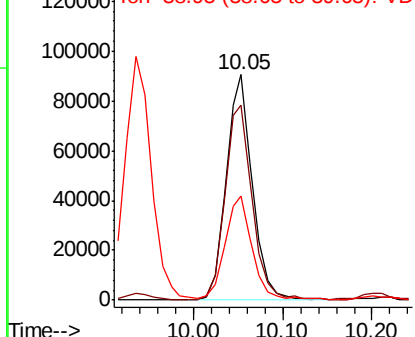
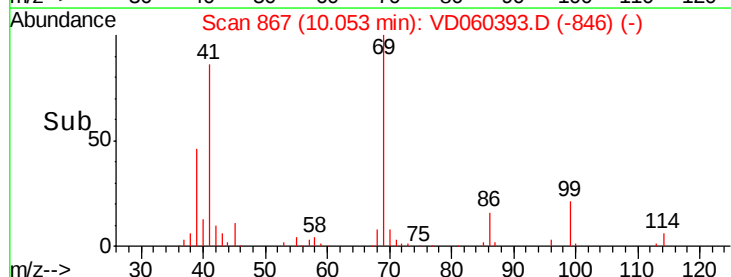


#56
 Ethyl methacrylate
 Concen: 20.840 ug/l
 RT: 10.05 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Tgt Ion:	69	Resp:	185944
Ion	Ratio	Lower	Upper
69	100		
41	86.7	69.0	103.4
39	46.0	36.6	54.8



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: 21.358 ug/l

RT: 10.40 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

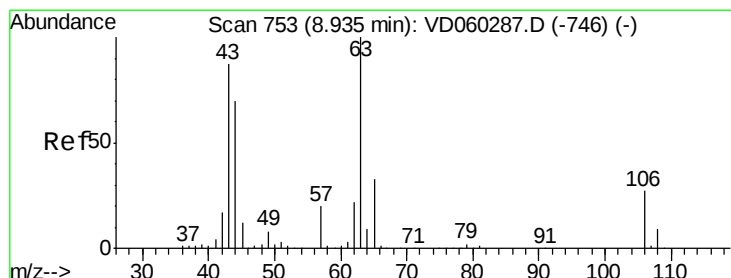
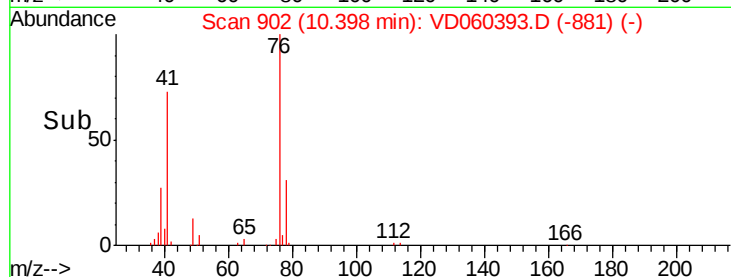
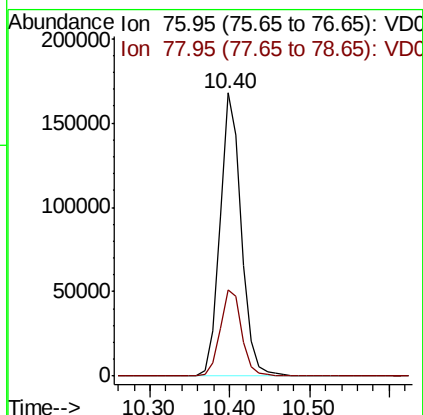
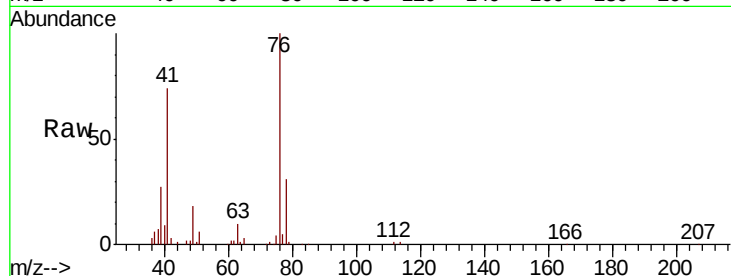
VD1116SBS01

Tot Ion: 76 Resp: 315817

Ion Ratio Lower Upper

76 100

78 30.7 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 107.911 ug/l

RT: 8.94 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD060393.D

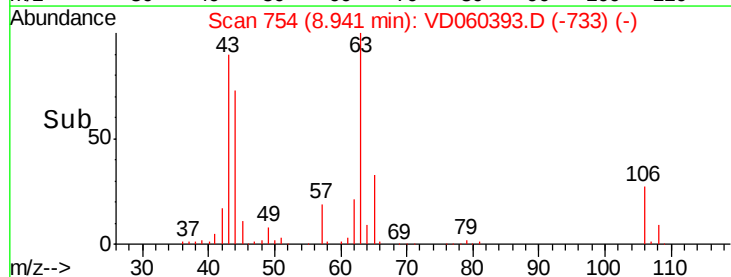
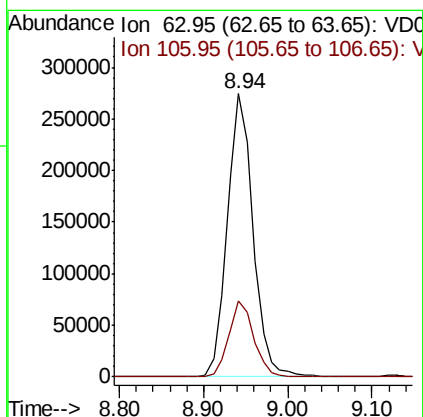
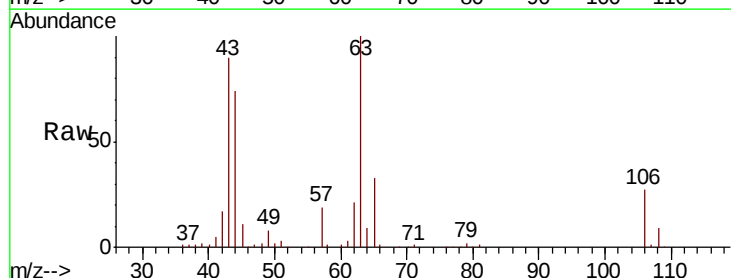
Acq: 16 Nov 2018 12:53

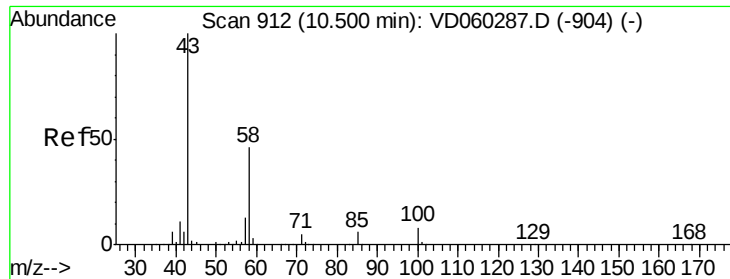
Tgt Ion: 63 Resp: 582176

Ion Ratio Lower Upper

63 100

106 27.0 21.5 32.3

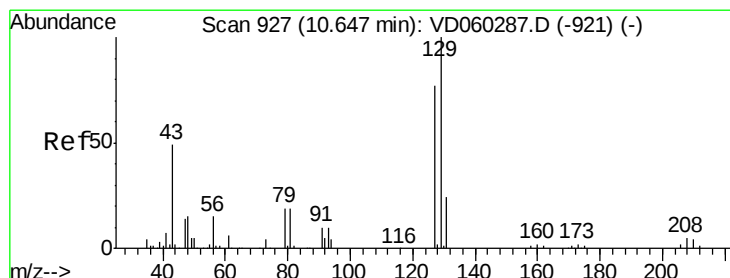
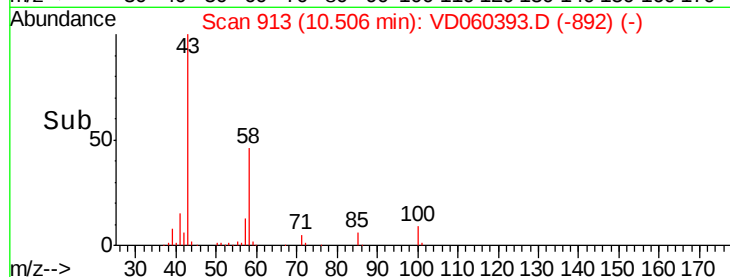
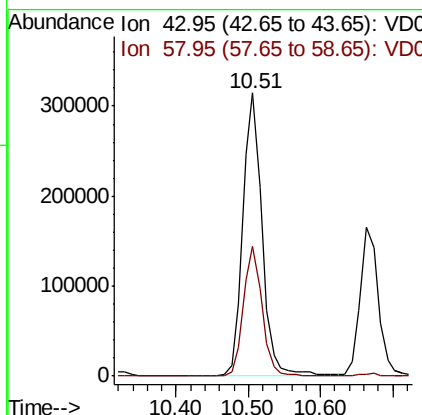
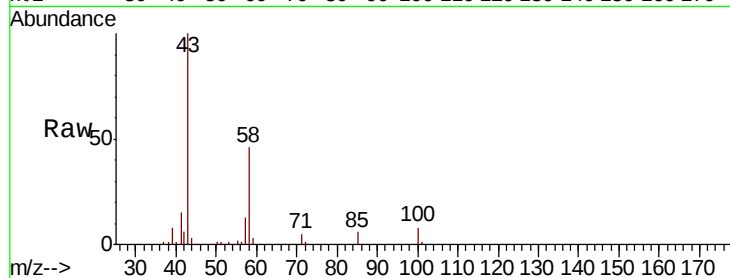




#59
2-Hexanone
Concen: 107.386 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

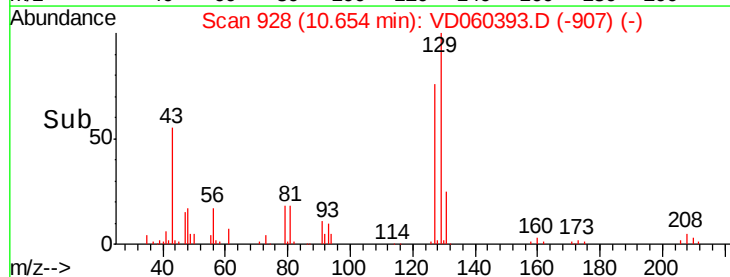
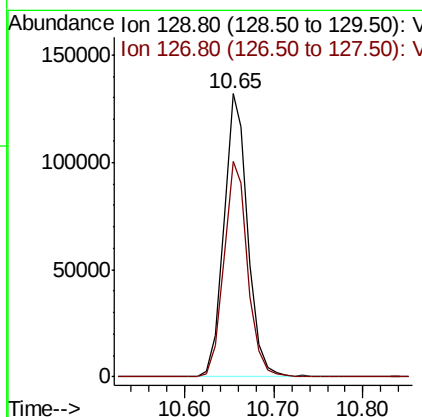
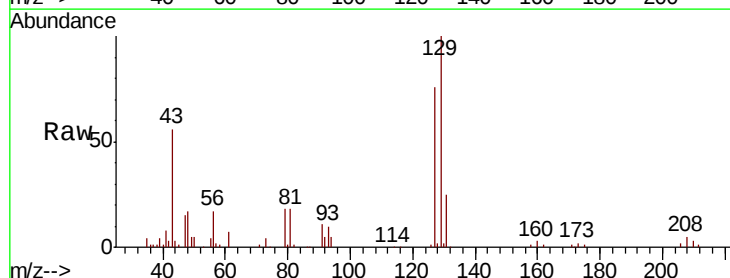
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

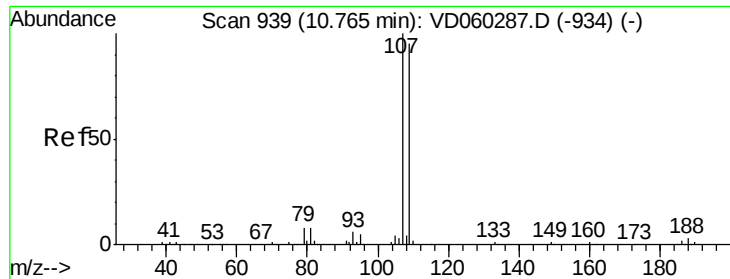
Tot Ion: 43 Resp: 591252
Ion Ratio Lower Upper
43 100
58 45.8 22.9 68.5



#60
Dibromochloromethane
Concen: 21.017 ug/l
RT: 10.65 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion: 129 Resp: 247929
Ion Ratio Lower Upper
129 100
127 76.4 38.9 116.6

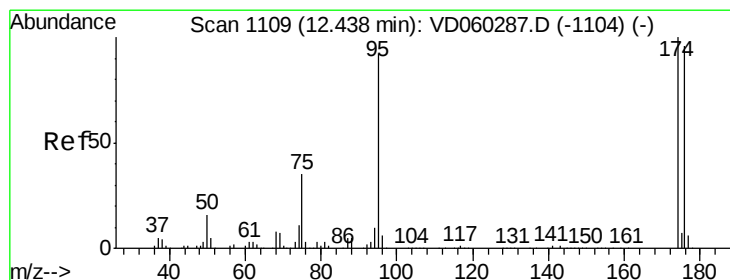
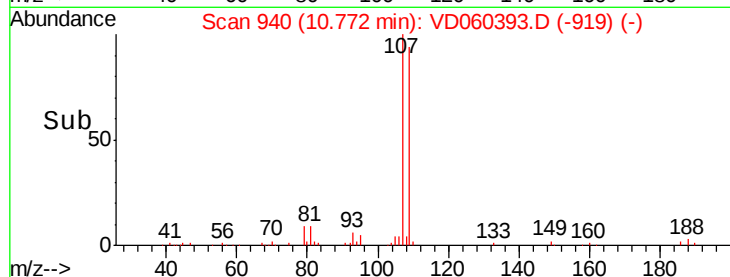
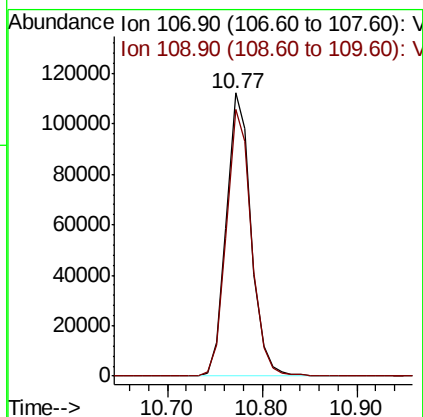
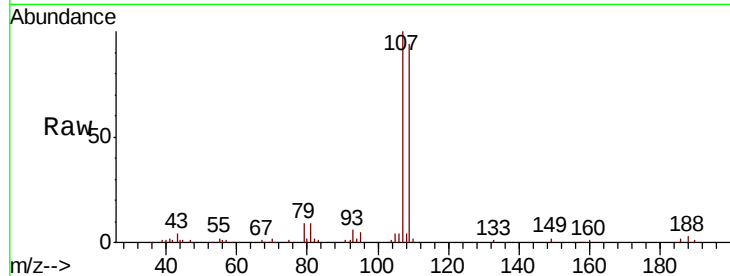




#61
 1,2-Dibromoethane
 Concen: 20.871 ug/l
 RT: 10.77 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

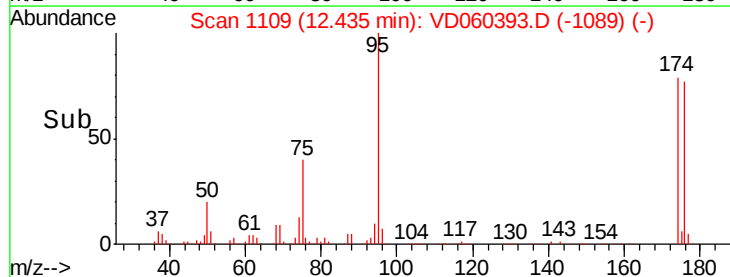
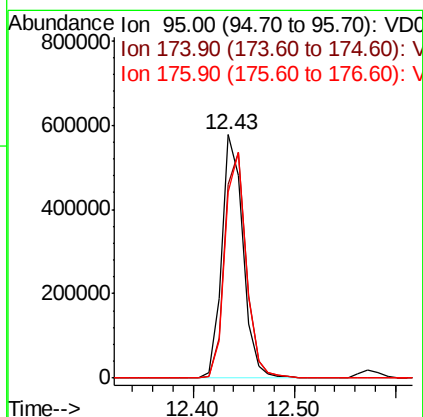
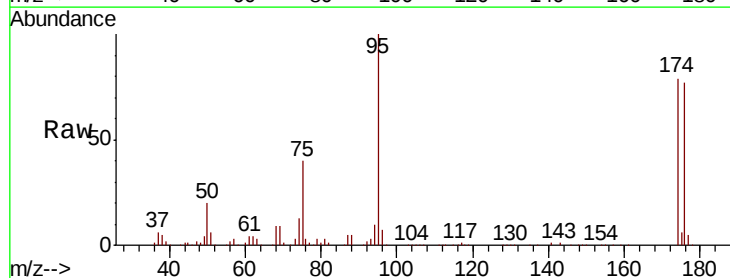
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

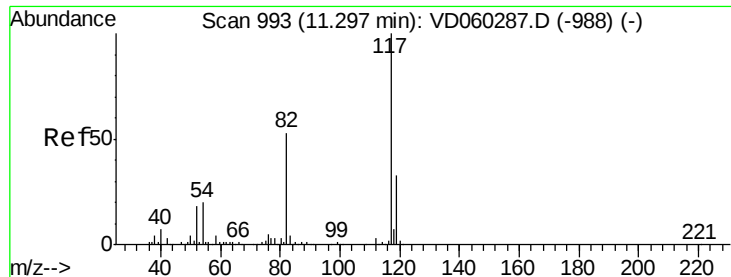
Tot Ion:107 Resp: 202928
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 20.871 ug/l
 RT: 12.43 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Tgt Ion: 95 Resp: 852195
 Ion Ratio Lower Upper
 95 100
 174 79.4 0.0 160.8
 176 76.6 0.0 154.6

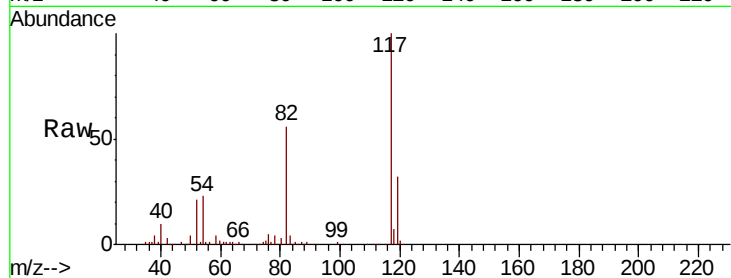




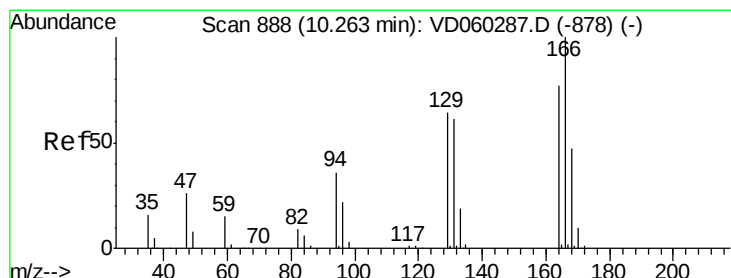
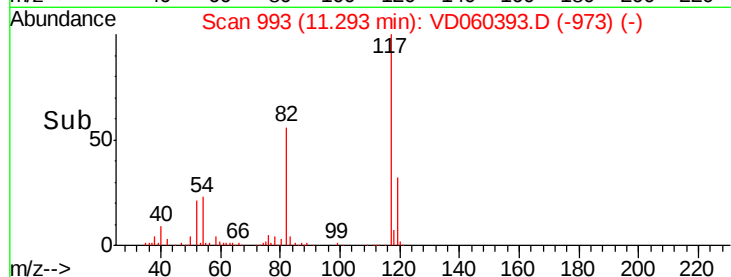
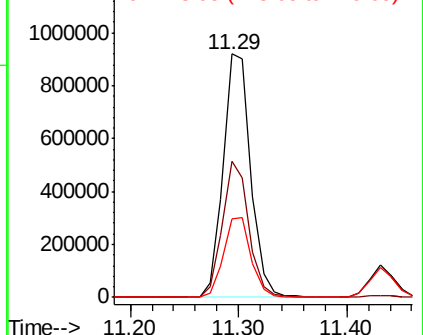
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

Tot Ion:117 Resp: 1630891
Ion Ratio Lower Upper
117 100
82 55.8 43.7 65.5
119 32.4 26.1 39.1

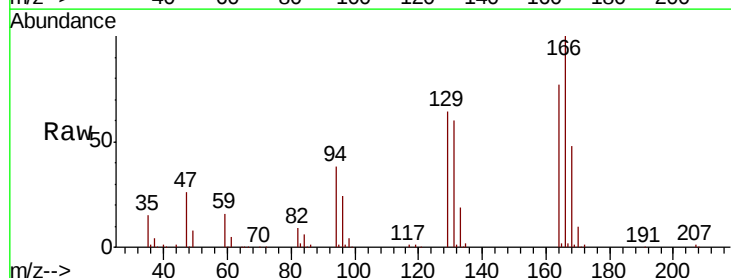


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

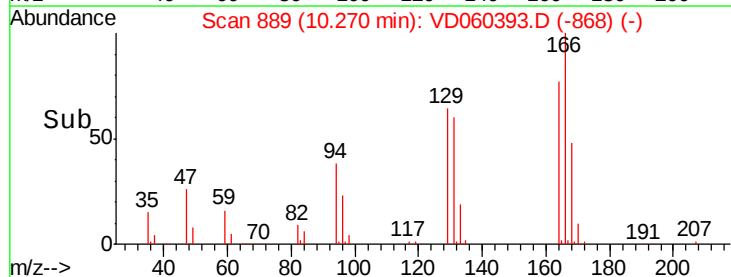
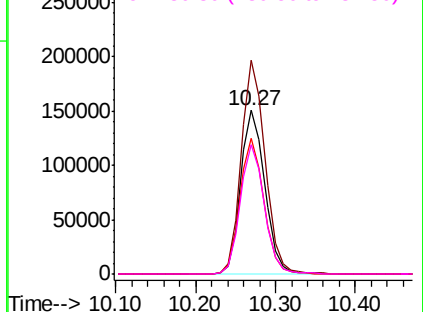


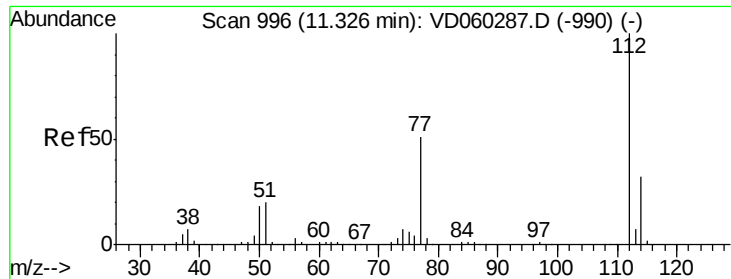
#64
Tetrachloroethene
Concen: 21.616 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion:164 Resp: 314720
Ion Ratio Lower Upper
164 100
166 130.6 103.7 155.5
129 83.1 65.6 98.4
131 78.8 64.4 96.6



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

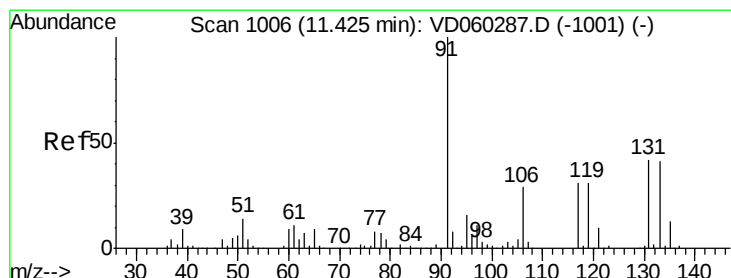
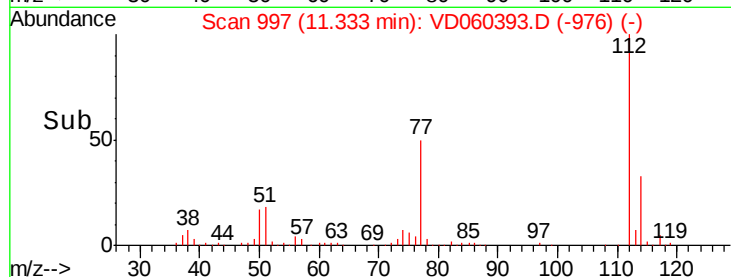
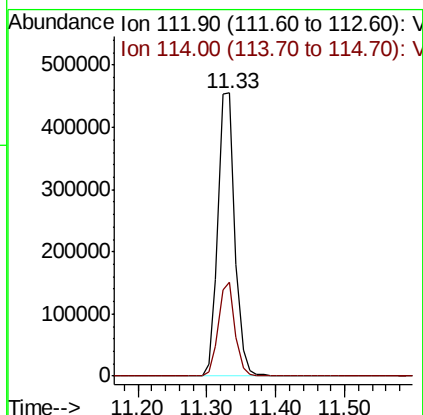
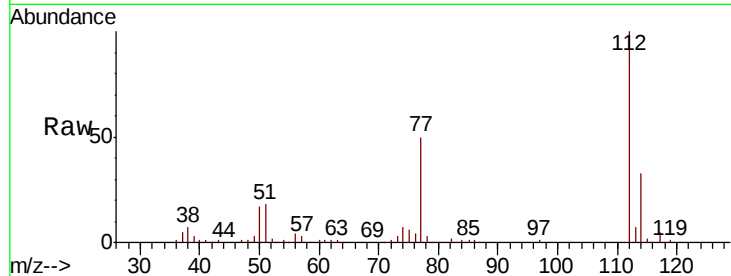




#65
Chlorobenzene
Concen: 22.214 ug/l
RT: 11.33 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

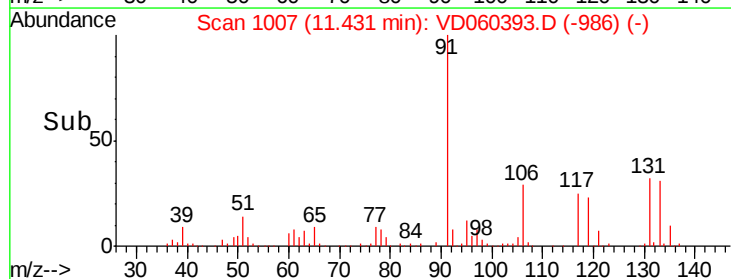
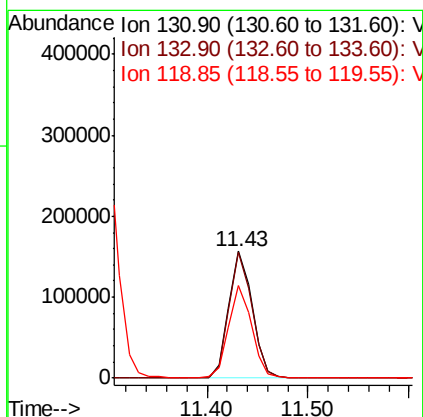
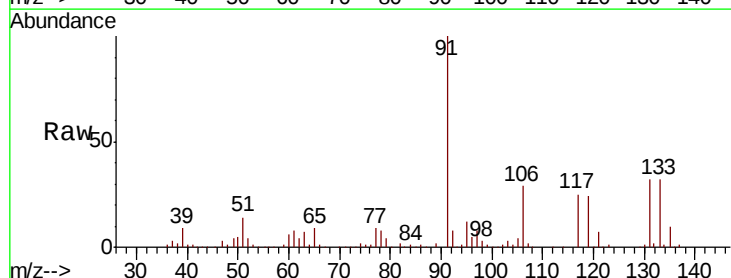
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

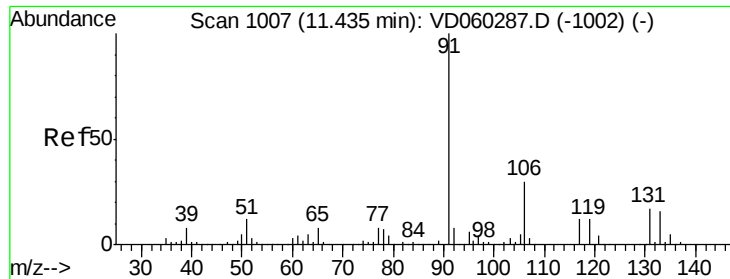
Tot Ion:112 Resp: 784959
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.989 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion:131 Resp: 254238
Ion Ratio Lower Upper
131 100
133 98.7 50.0 150.0
119 73.4 37.0 111.1

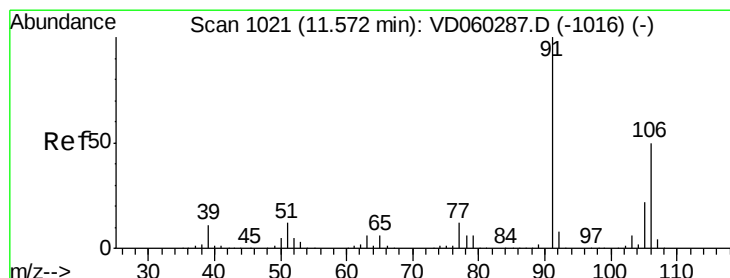
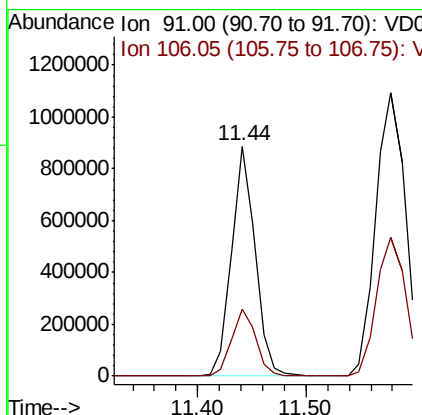
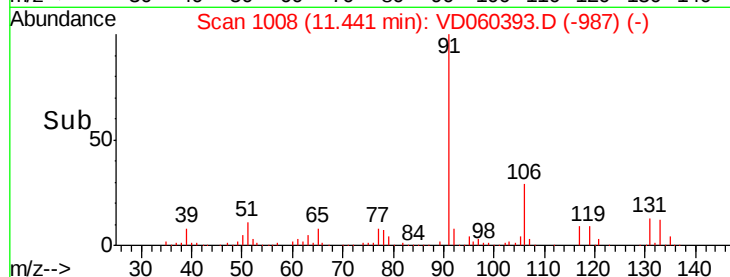
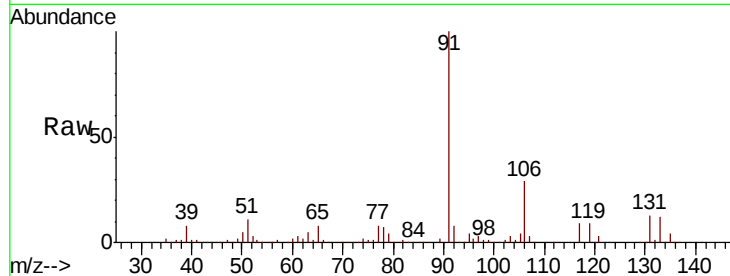




#67
Ethyl Benzene
Concen: 22.369 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

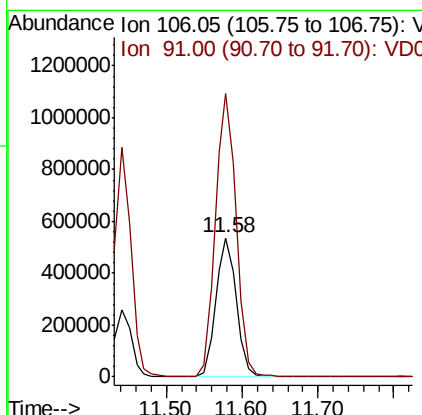
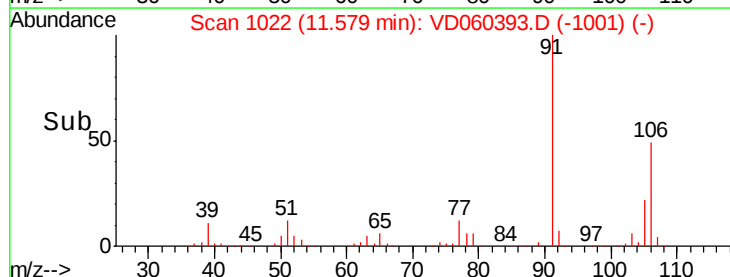
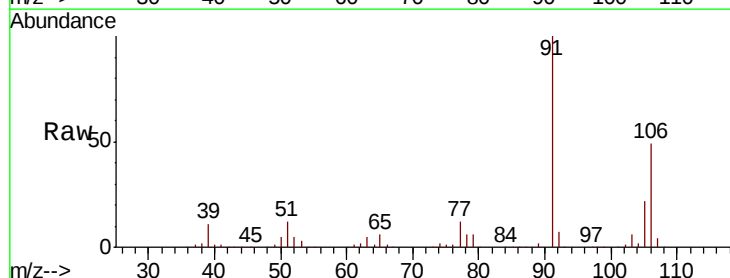
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

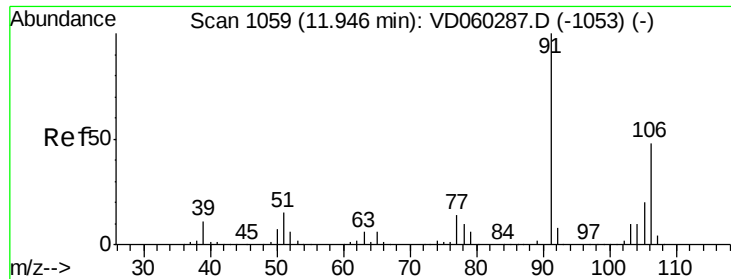
Tot Ion: 91 Resp: 1352204
Ion Ratio Lower Upper
91 100
106 29.2 24.6 36.8



#68
m/p-Xylenes
Concen: 45.445 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion: 106 Resp: 1013357
Ion Ratio Lower Upper
106 100
91 203.2 159.4 239.2

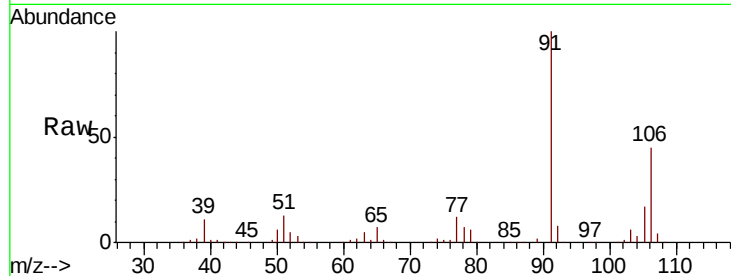




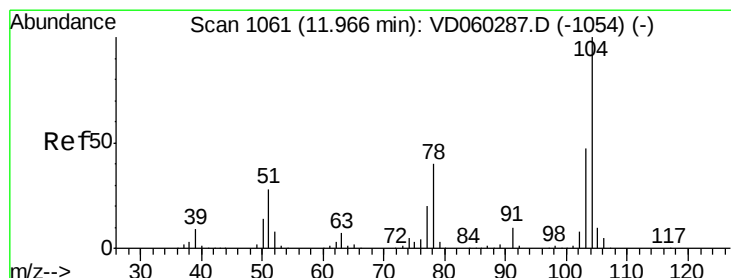
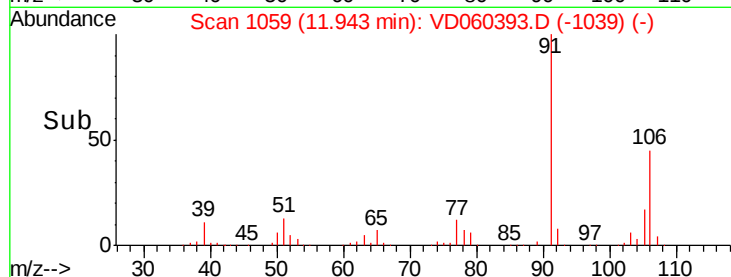
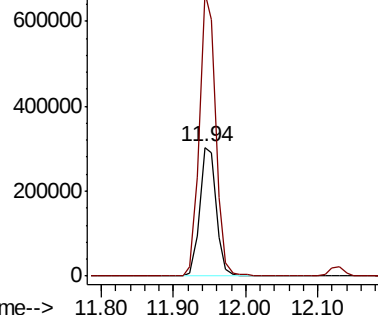
#69
o-Xylene
Concen: 22.478 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion:106 Resp: 484226
Ion Ratio Lower Upper
106 100
91 220.1 109.2 327.6

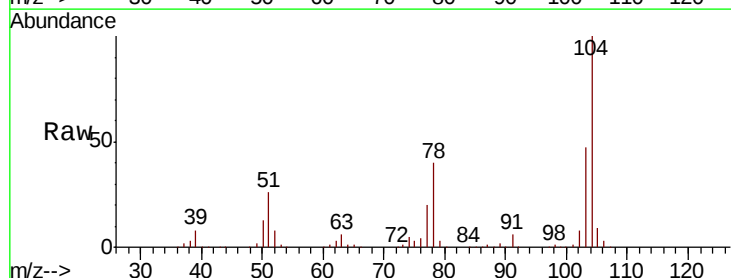


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

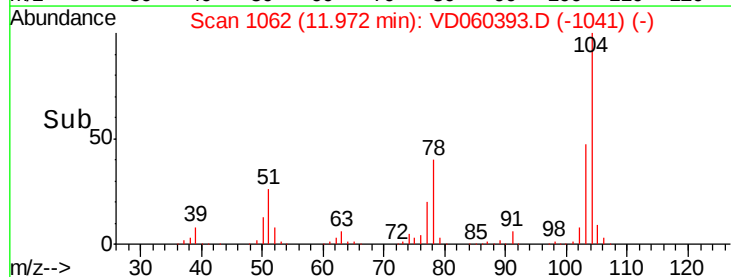
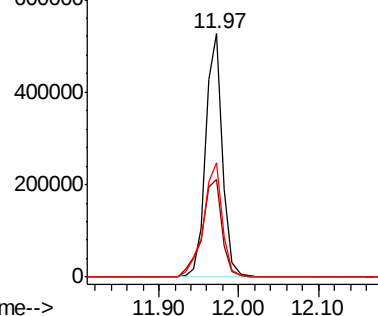


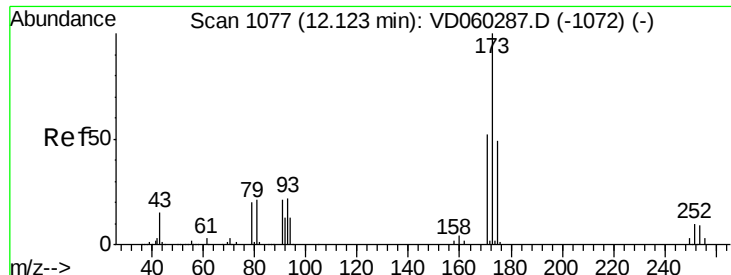
#70
Styrene
Concen: 22.363 ug/l
RT: 11.97 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion:104 Resp: 778558
Ion Ratio Lower Upper
104 100
78 40.0 31.6 47.4
103 47.0 37.0 55.6



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

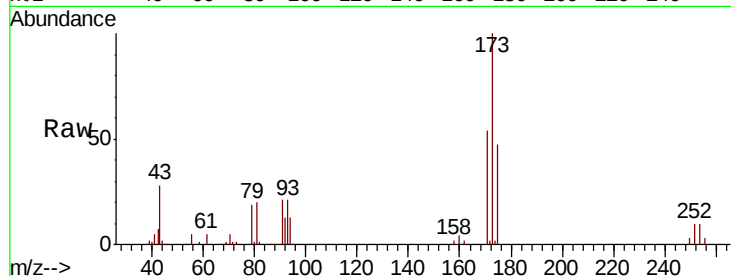




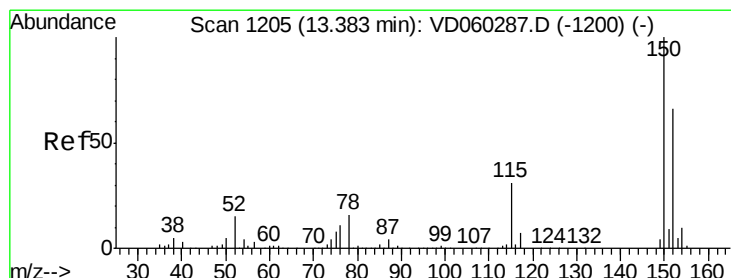
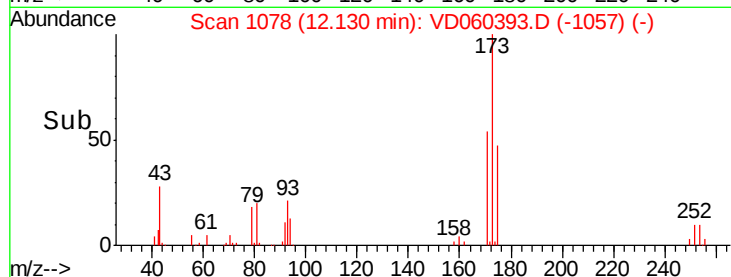
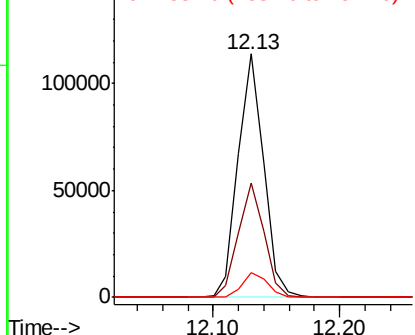
#71
Bromoform
Concen: 20.459 ug/l
RT: 12.13 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

Tot Ion:173 Resp: 158953
Ion Ratio Lower Upper
173 100
175 47.1 24.3 73.0
254 10.1 8.3 12.5

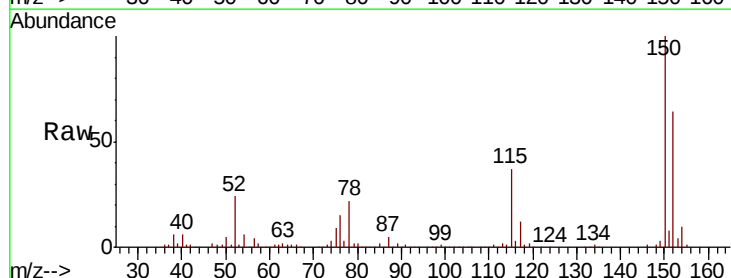


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

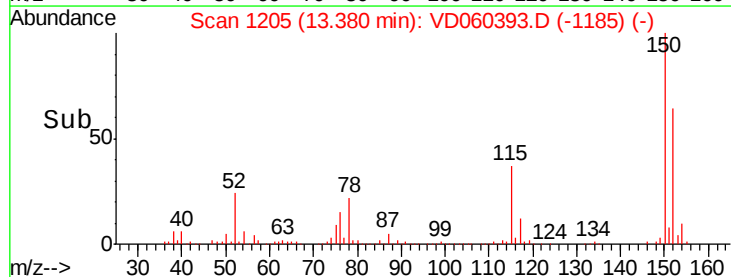
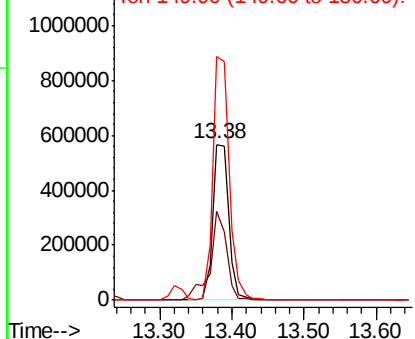


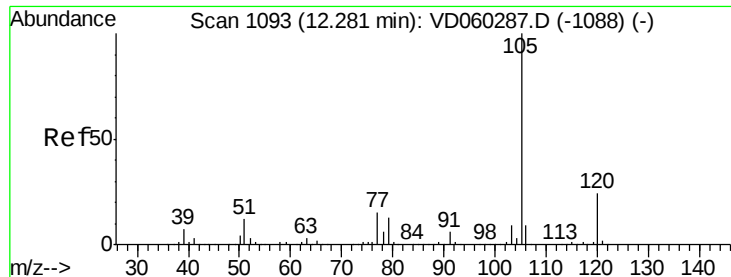
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion:152 Resp: 851948
Ion Ratio Lower Upper
152 100
115 57.2 24.1 72.3
150 156.4 0.0 310.6



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: 21.803 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

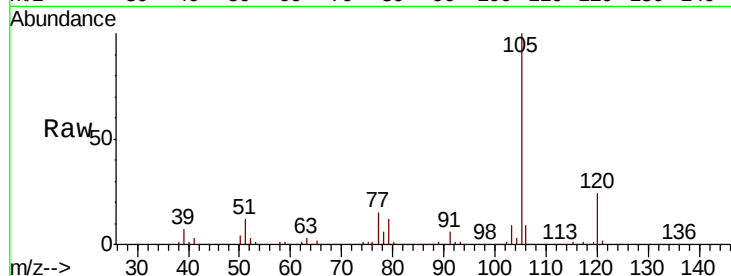
VD1116SBS01

Tot Ion:105 Resp: 1353319

Ion Ratio Lower Upper

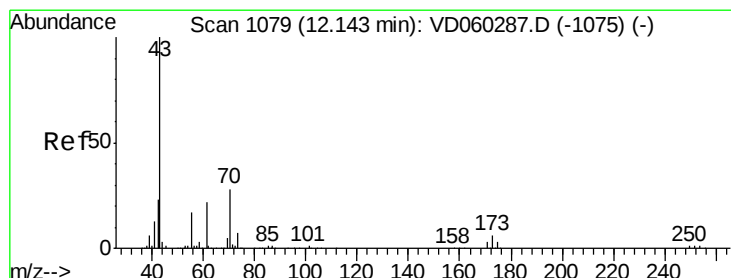
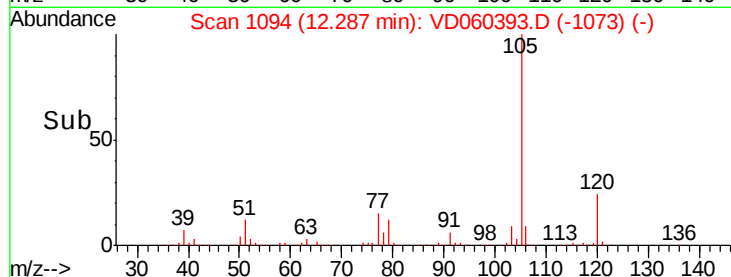
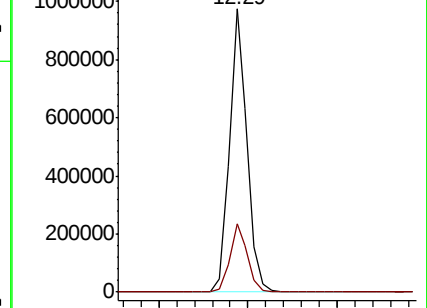
105 100

120 24.4 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.980 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Tgt Ion: 43 Resp: 317952

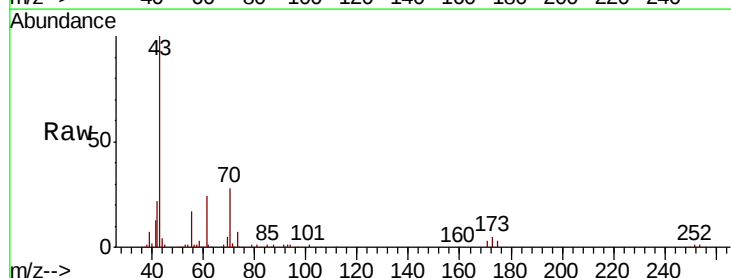
Ion Ratio Lower Upper

43 100

70 28.1 23.0 34.4

55 17.0 14.2 21.4

61 24.1 17.8 26.8

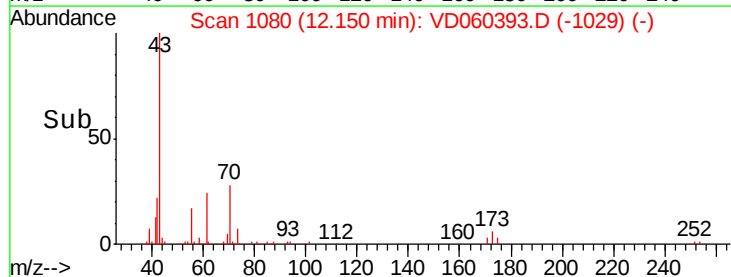
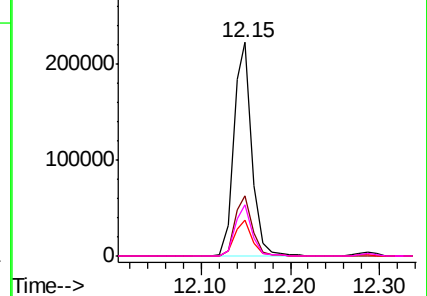


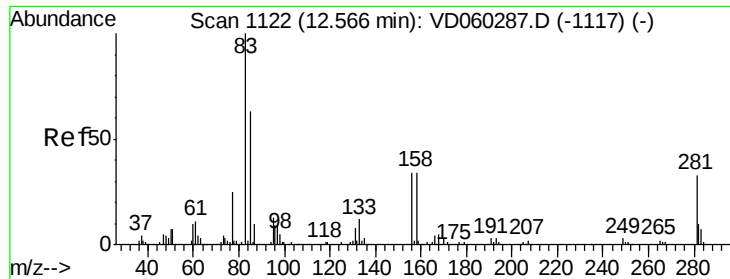
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.384 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

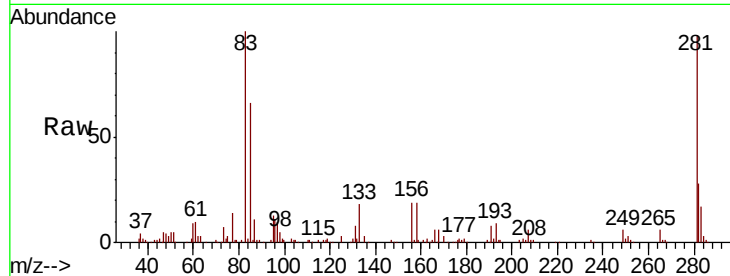
Tot Ion: 83 Resp: 206926

Ion Ratio Lower Upper

83 100

131 8.2 3.9 11.5

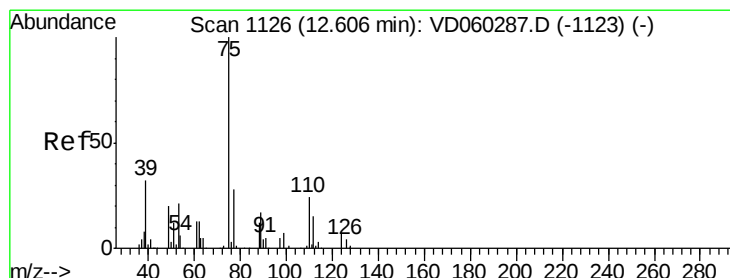
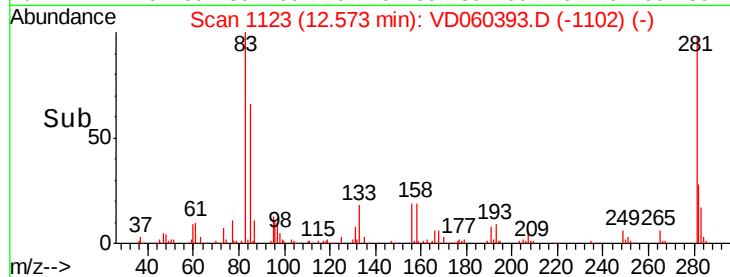
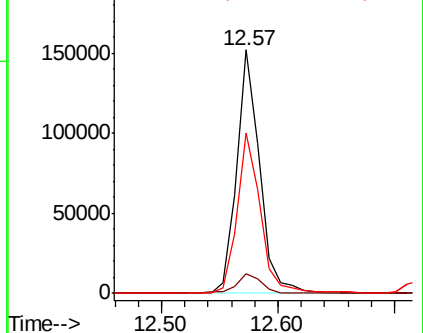
85 65.7 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.568 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060393.D

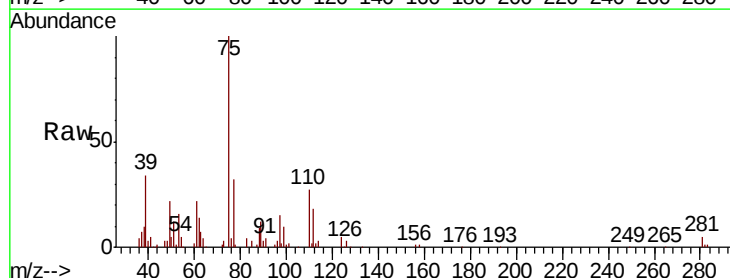
Acq: 16 Nov 2018 12:53

Tgt Ion: 75 Resp: 209616

Ion Ratio Lower Upper

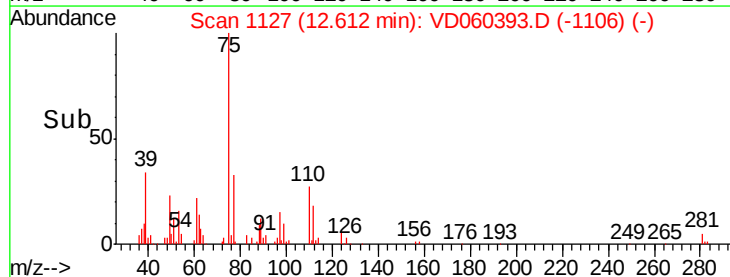
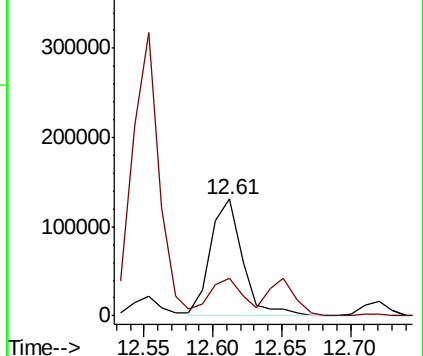
75 100

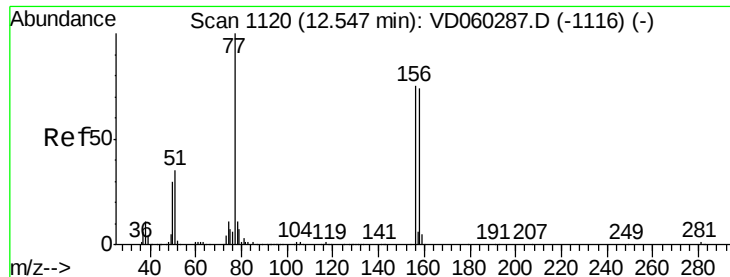
77 32.5 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

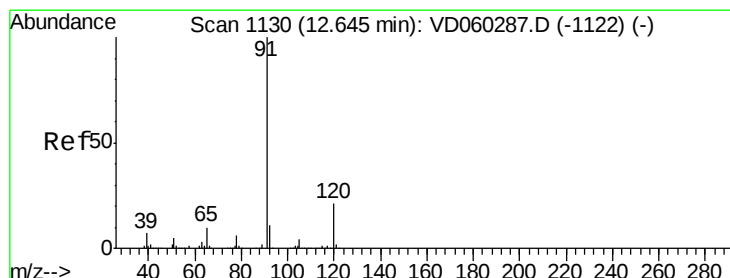
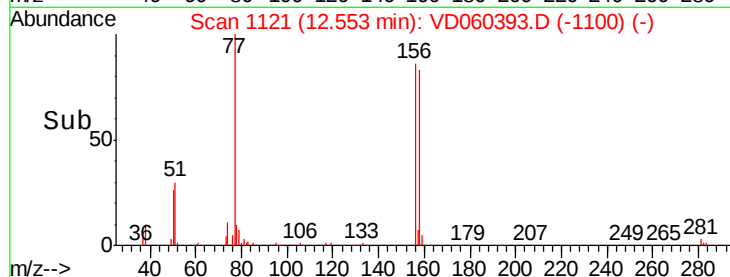
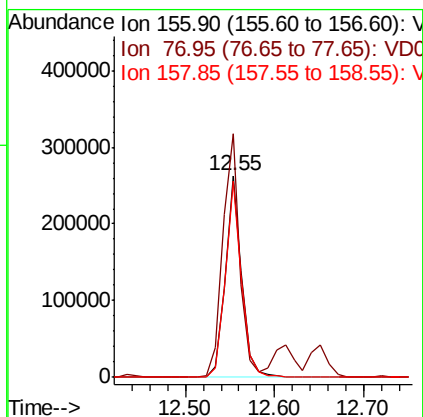
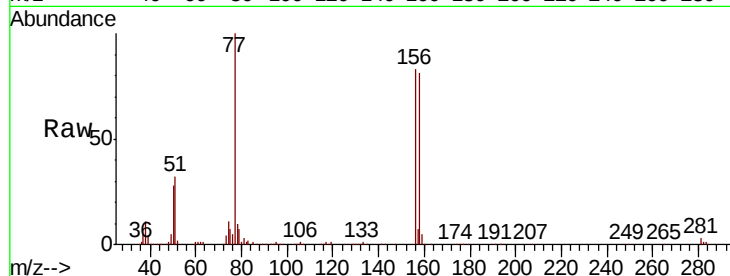




#77
Bromobenzene
Concen: 20.651 ug/l
RT: 12.55 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

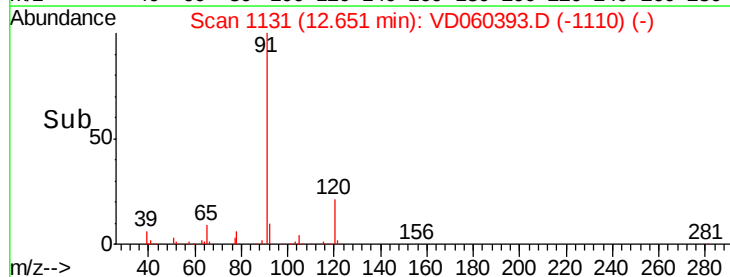
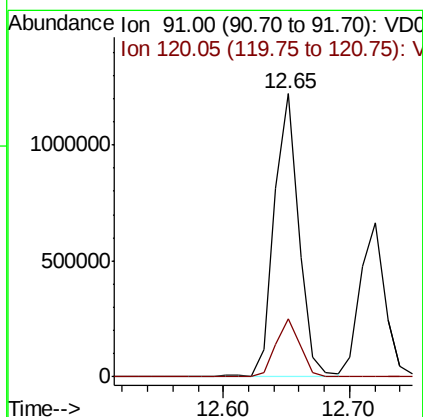
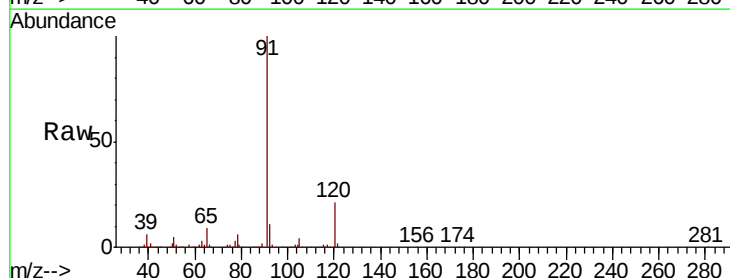
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

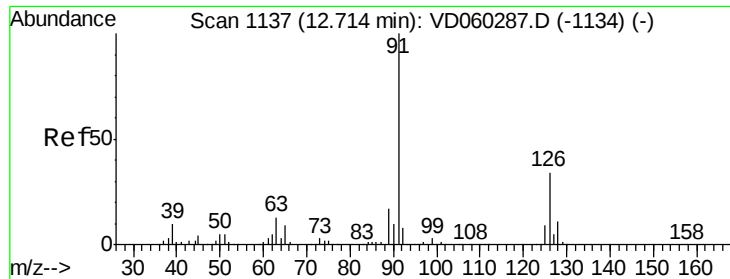
Tot Ion:156 Resp: 340482
Ion Ratio Lower Upper
156 100
77 120.6 61.2 183.6
158 97.4 49.2 147.6



#78
n-propylbenzene
Concen: 21.399 ug/l
RT: 12.65 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion: 91 Resp: 1657868
Ion Ratio Lower Upper
91 100
120 20.6 10.4 31.4

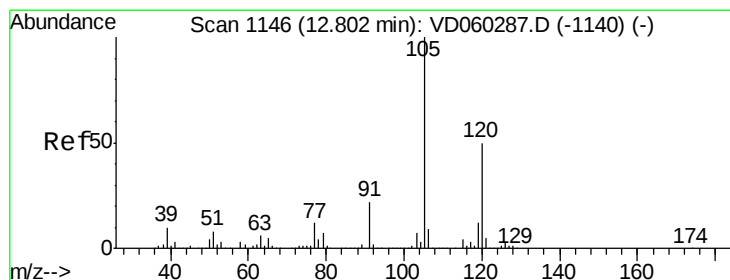
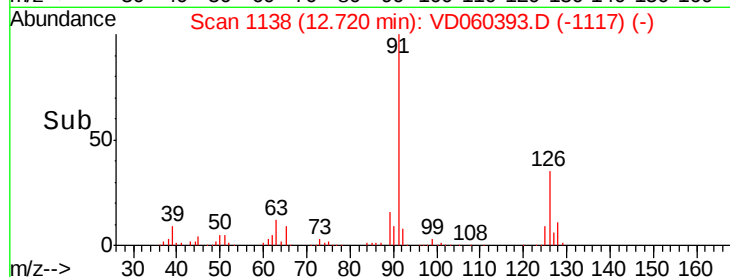
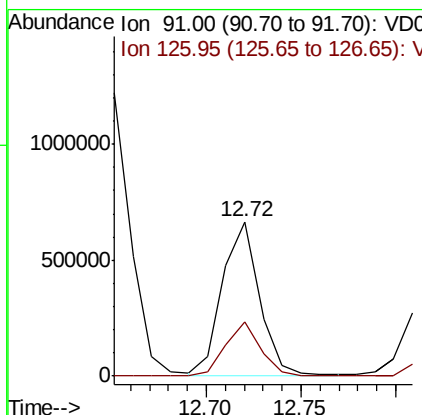
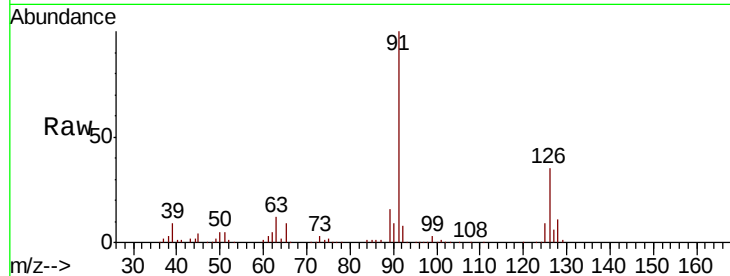




#79
2-Chlorotoluene
Concen: 21.201 ug/l
RT: 12.72 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

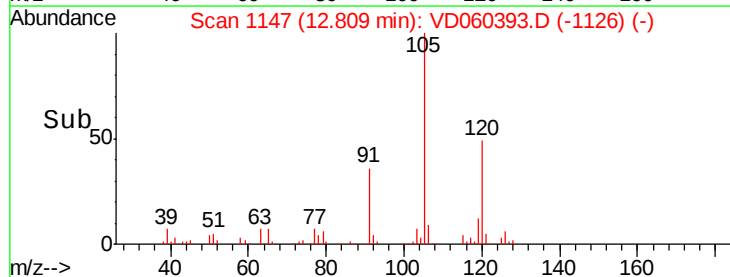
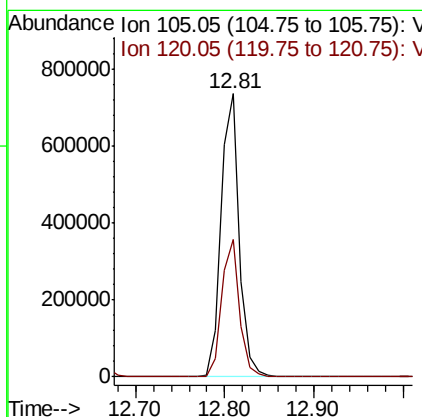
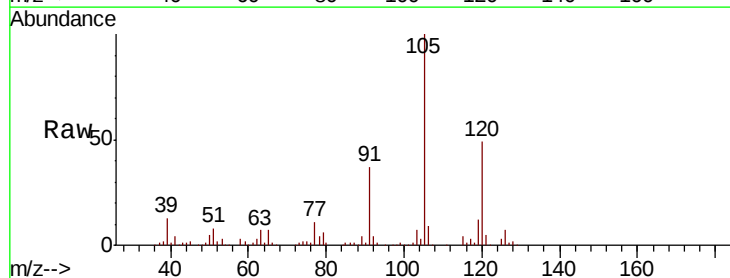
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

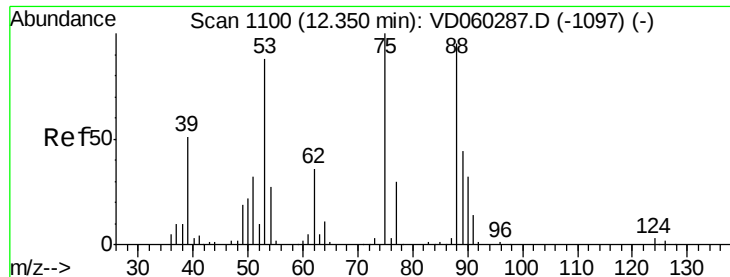
Tot Ion: 91 Resp: 899626
Ion Ratio Lower Upper
91 100
126 34.9 17.4 52.2



#80
1,3,5-Trimethylbenzene
Concen: 21.907 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion: 105 Resp: 1056742
Ion Ratio Lower Upper
105 100
120 48.7 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.759 ug/l

RT: 12.36 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBSD01

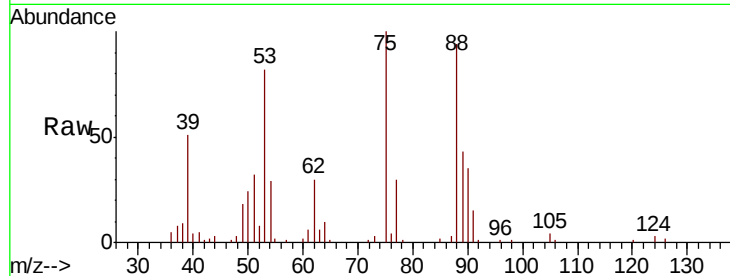
Tot Ion: 75 Resp: 60232

Ion Ratio Lower Upper

75 100

53 81.8 68.6 103.0

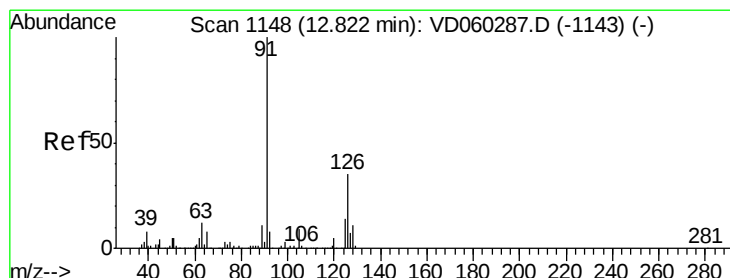
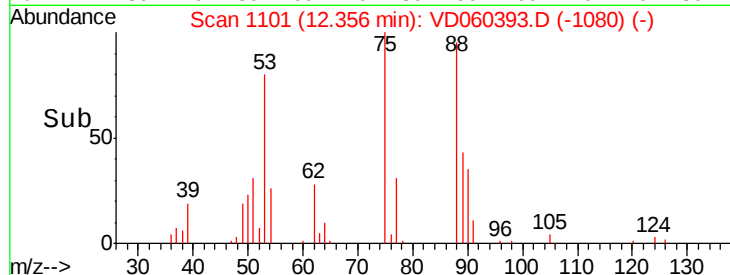
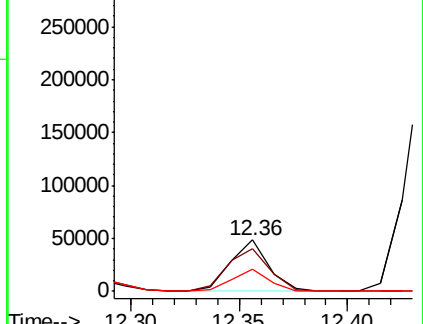
89 42.8 34.1 51.1



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: 22.067 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VD060393.D

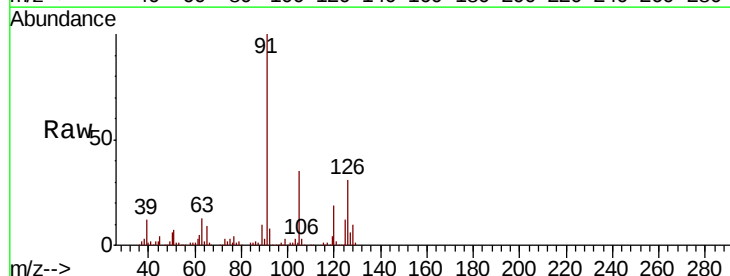
Acq: 16 Nov 2018 12:53

Tgt Ion: 91 Resp: 1051866

Ion Ratio Lower Upper

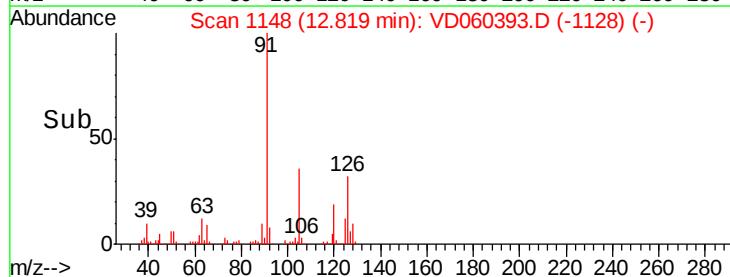
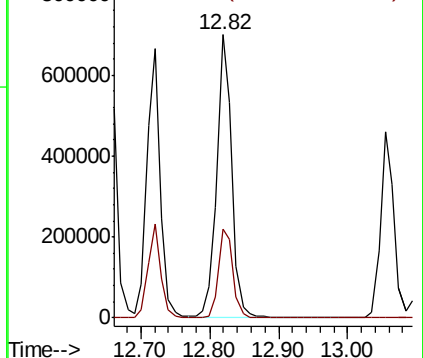
91 100

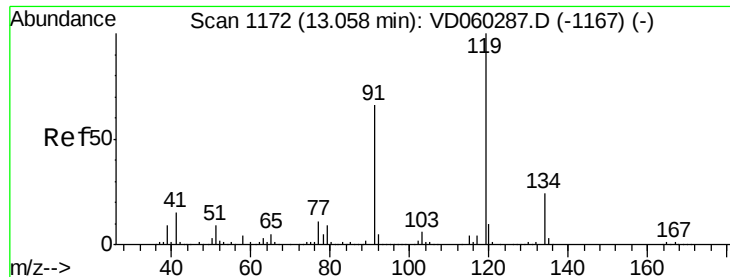
126 31.5 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

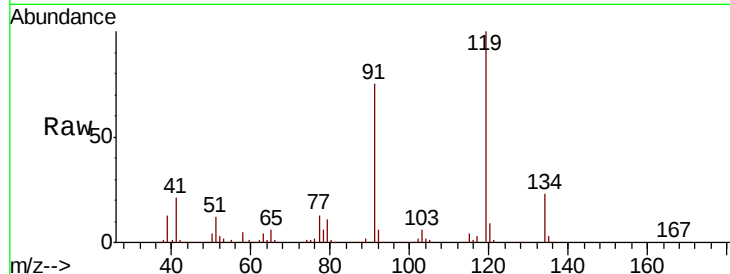




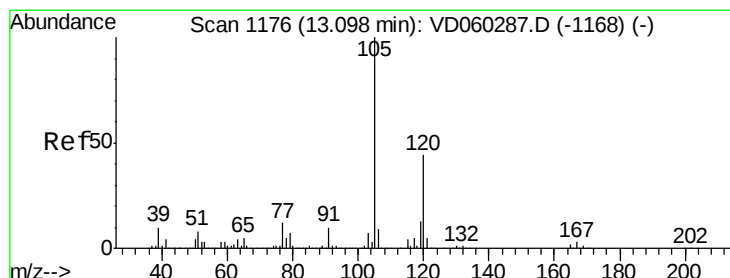
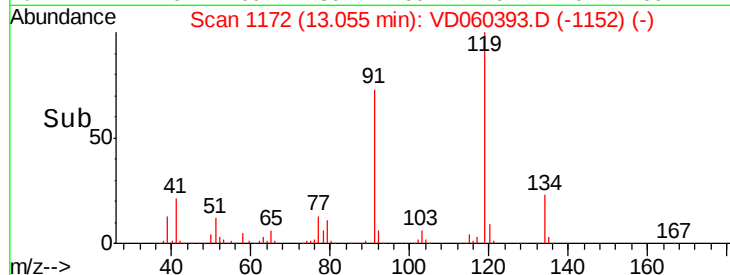
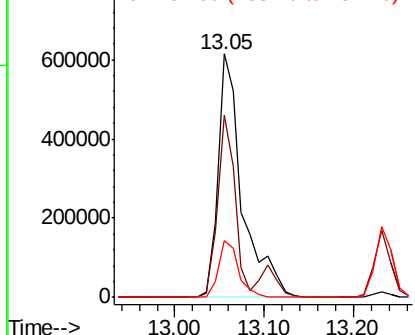
#83
tert-Butylbenzene
Concen: 21.873 ug/l
RT: 13.05 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

Tot Ion:119 Resp: 1171424
Ion Ratio Lower Upper
119 100
91 74.9 32.7 98.1
134 23.4 12.1 36.3

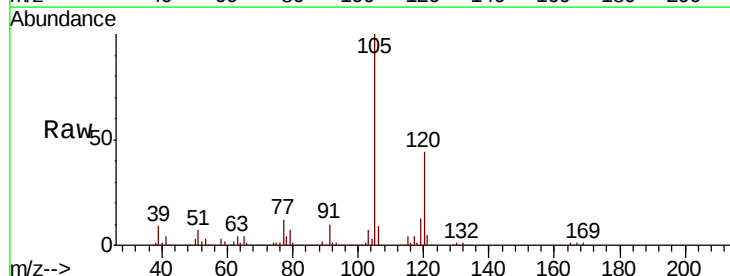


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

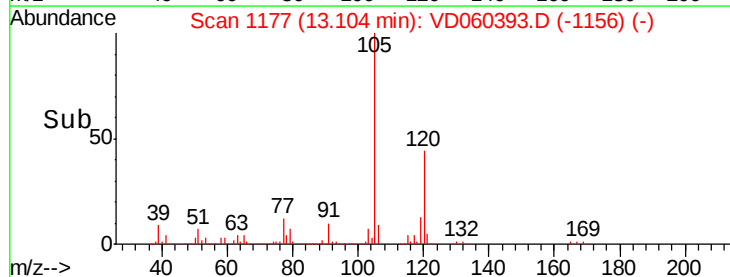
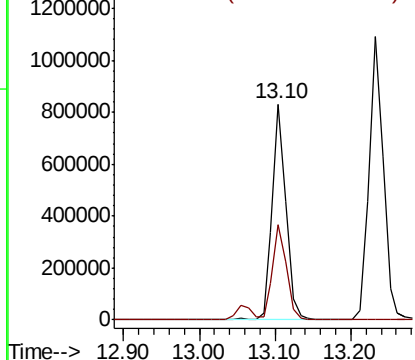


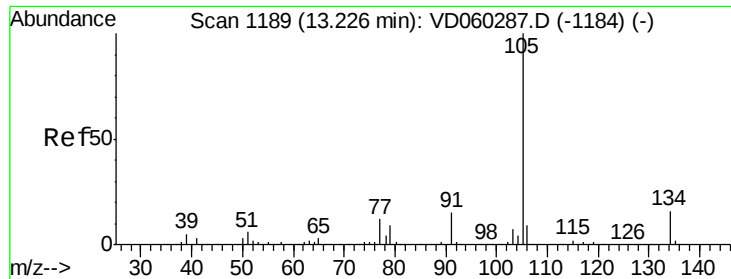
#84
1,2,4-Trimethylbenzene
Concen: 21.728 ug/l
RT: 13.10 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion:105 Resp: 1046752
Ion Ratio Lower Upper
105 100
120 44.1 21.9 65.8



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

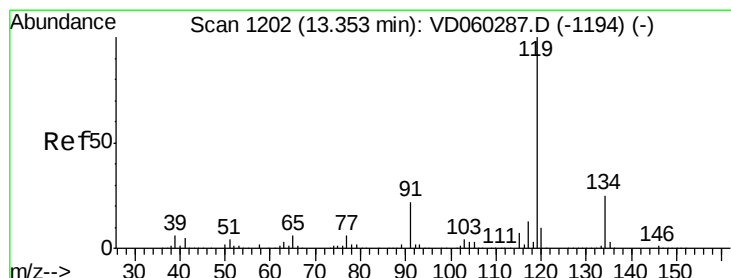
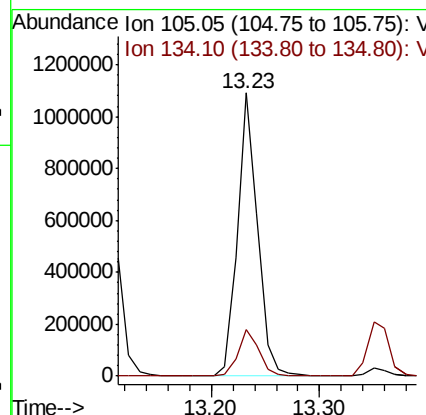
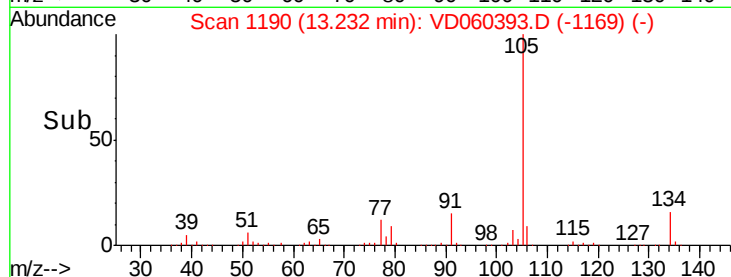
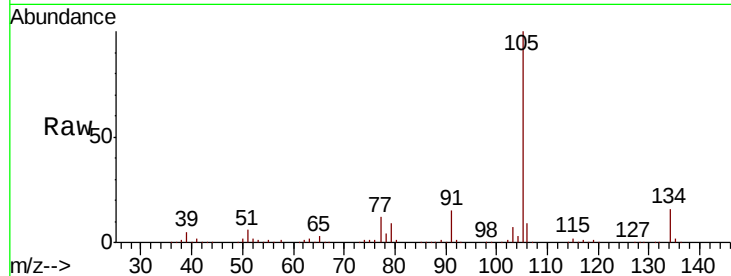




#85
 sec-Butylbenzene
 Concen: 21.335 ug/l
 RT: 13.23 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

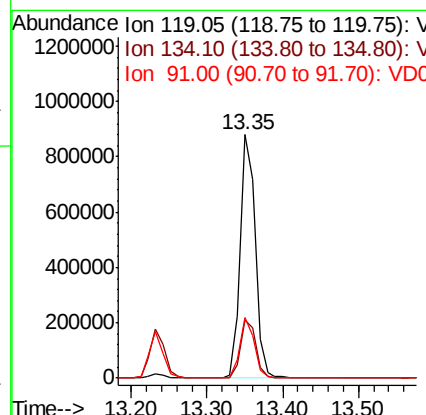
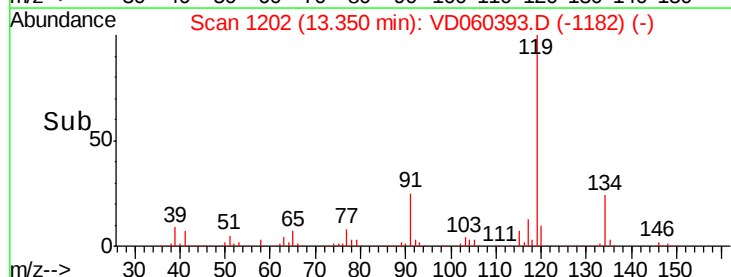
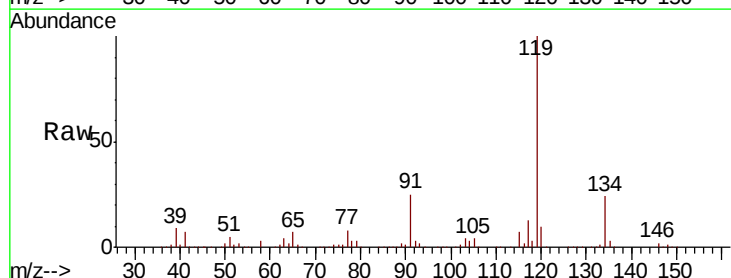
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Tot Ion:105 Resp: 1401816
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 22.451 ug/l
 RT: 13.35 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Tgt Ion:119 Resp: 1187938
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.9 38.6
 91 25.1 11.3 33.8

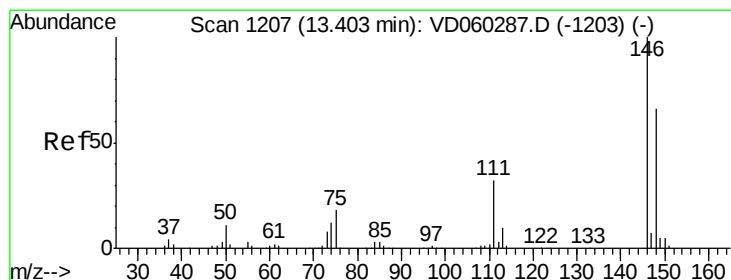
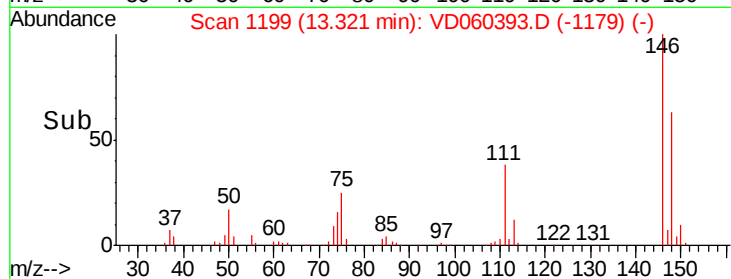
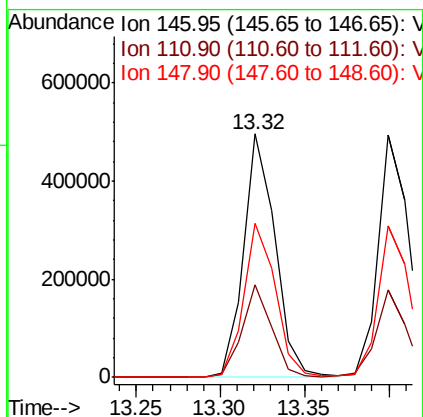
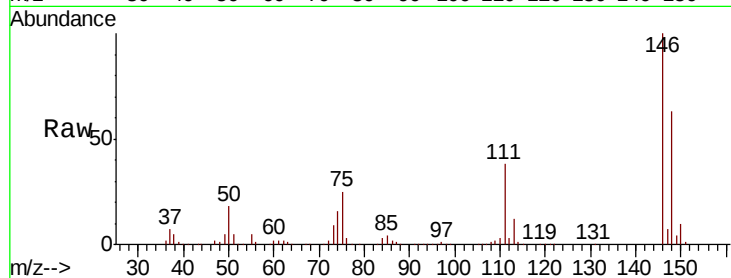




#87
 1,3-Dichlorobenzene
 Concen: 21.983 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

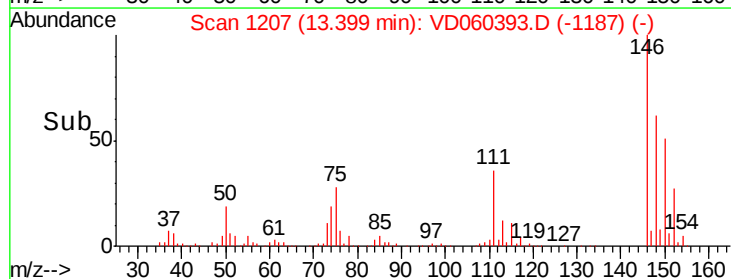
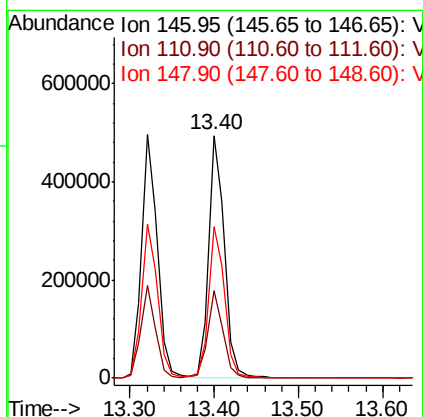
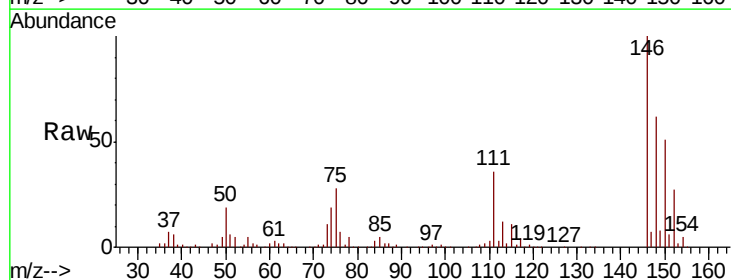
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

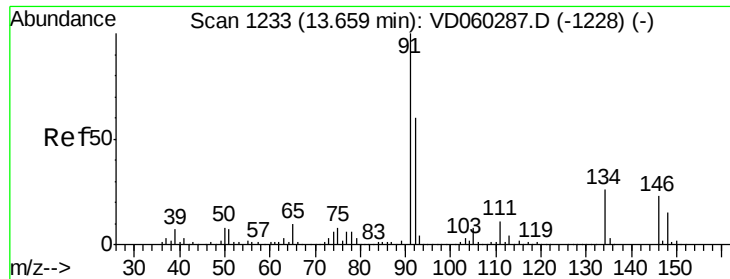
Tot Ion:146 Resp: 644841
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.2 60.5
 148 63.3 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 22.320 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Tgt Ion:146 Resp: 639439
 Ion Ratio Lower Upper
 146 100
 111 36.2 16.0 47.9
 148 62.3 32.9 98.7

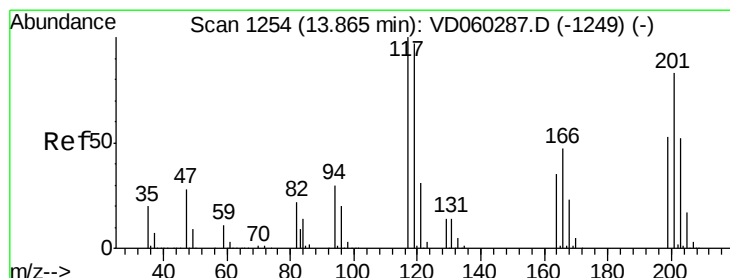
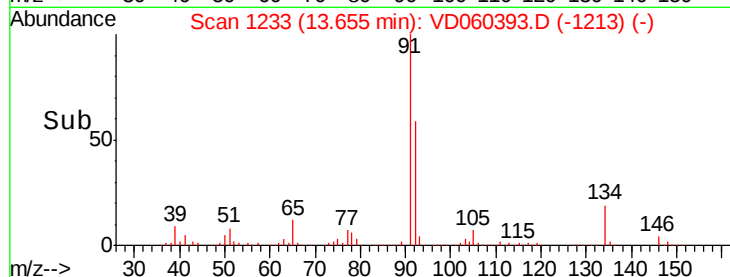
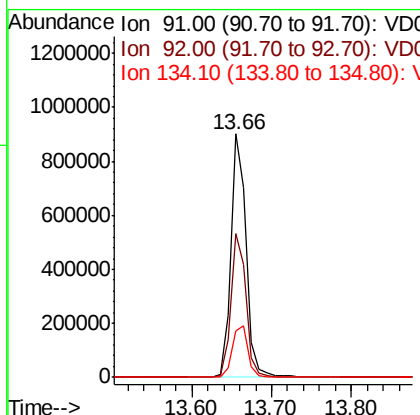
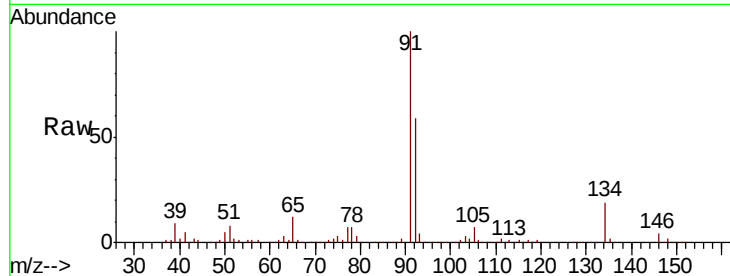




#89
n-Butylbenzene
Concen: 20.898 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

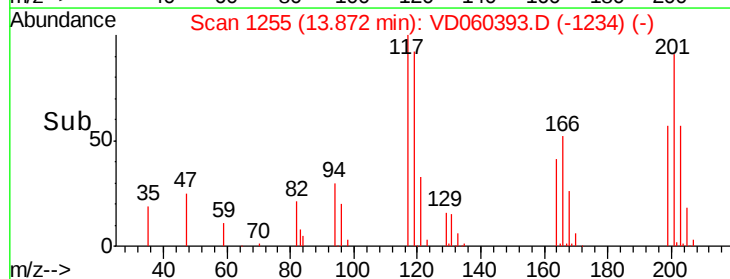
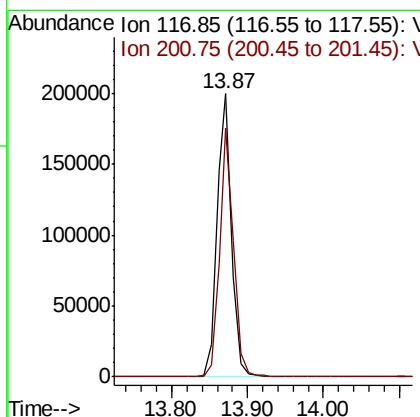
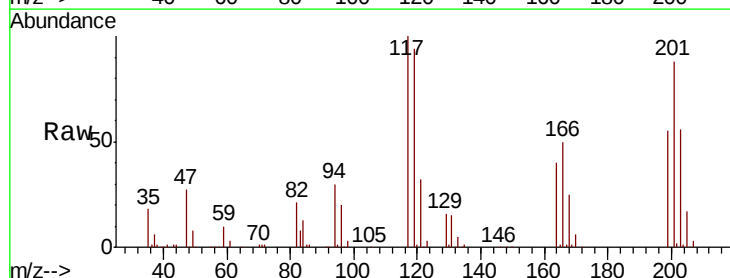
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

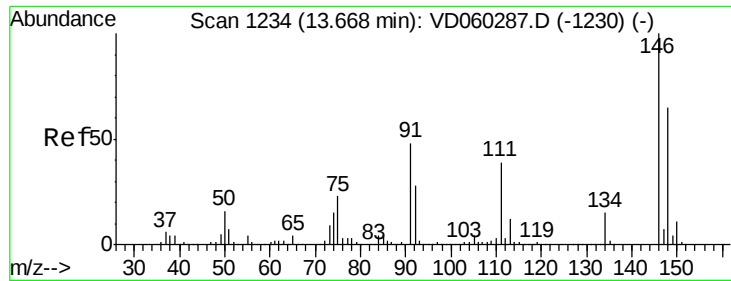
Tot Ion: 91 Resp: 1210401
Ion Ratio Lower Upper
91 100
92 59.2 30.3 90.9
134 19.4 13.0 38.9



#90
Hexachloroethane
Concen: 21.472 ug/l
RT: 13.87 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion: 117 Resp: 269399
Ion Ratio Lower Upper
117 100
201 88.1 40.1 120.3

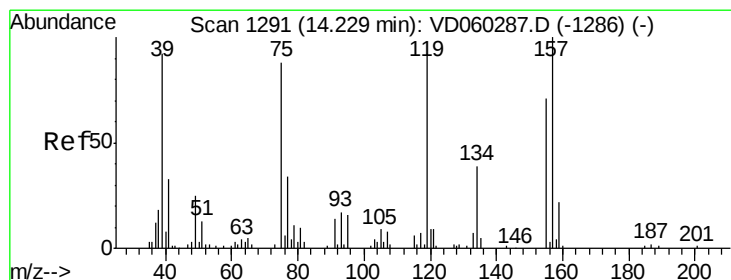
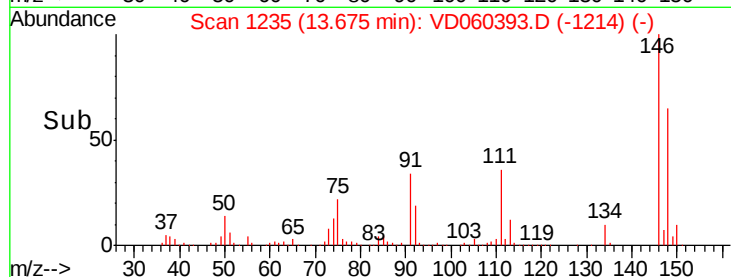
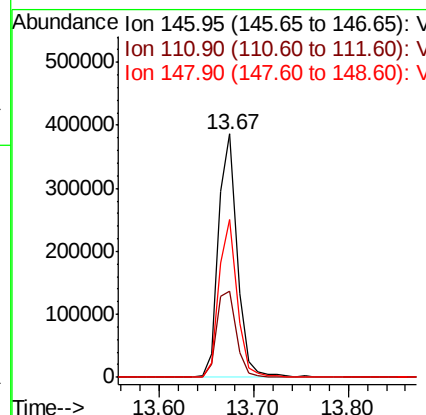
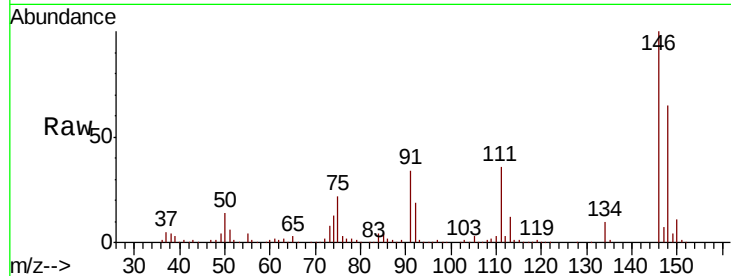




#91
 1,2-Dichlorobenzene
 Concen: 22.104 ug/l
 RT: 13.67 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

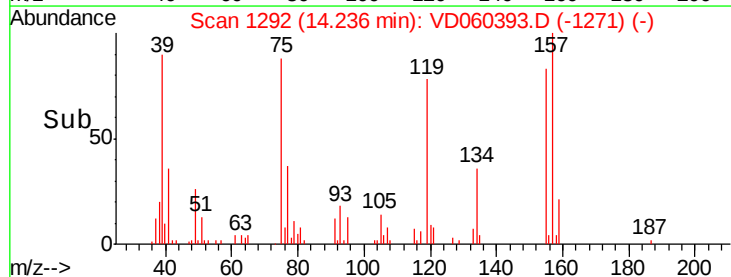
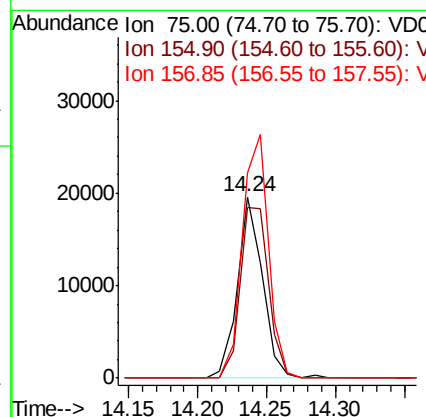
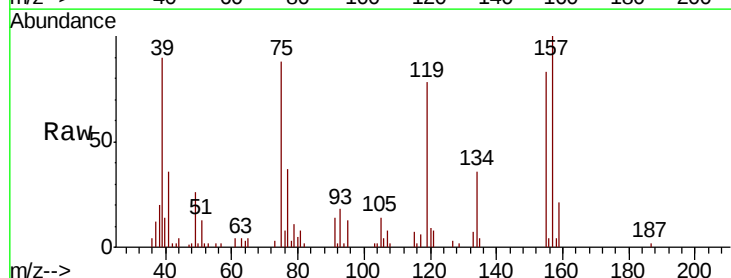
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

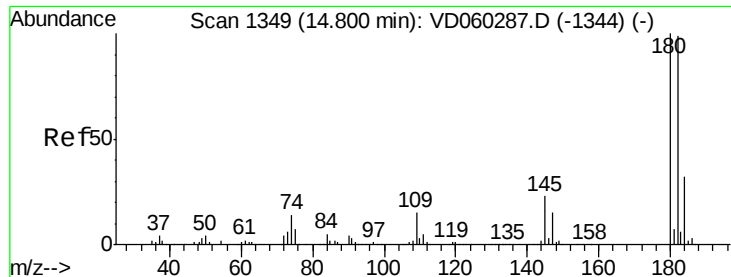
Tot Ion:146 Resp: 532569
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.9 56.9
 148 64.9 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.296 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Tgt Ion: 75 Resp: 24870
 Ion Ratio Lower Upper
 75 100
 155 94.1 64.3 192.9
 157 113.6 81.0 243.1

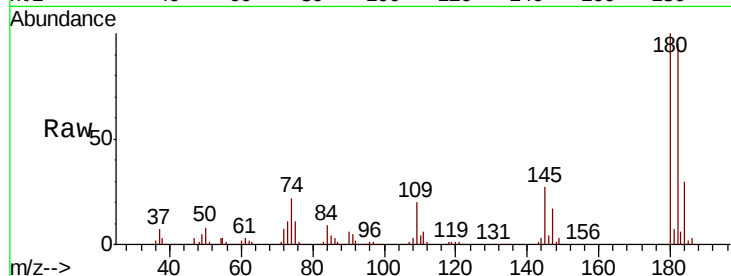




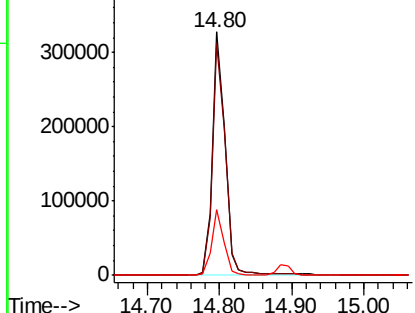
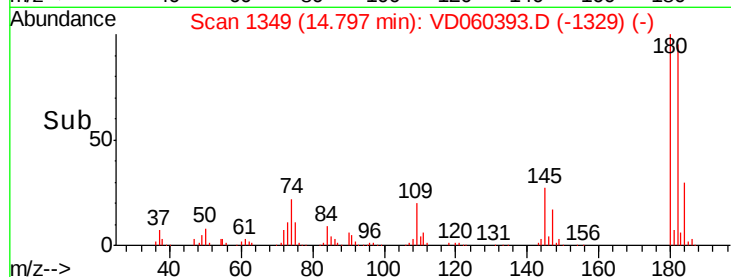
#93
 1,2,4-Trichlorobenzene
 Concen: 20.911 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

Tot Ion:180 Resp: 399473
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.1 144.4
 145 27.0 11.5 34.4

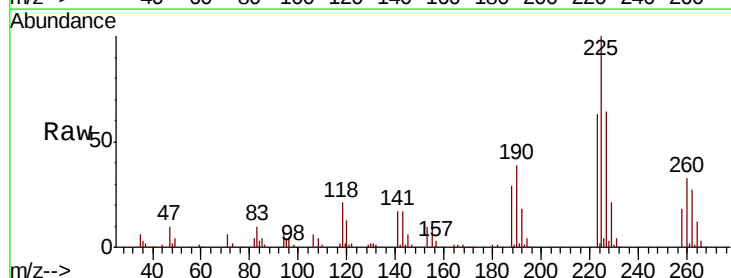


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

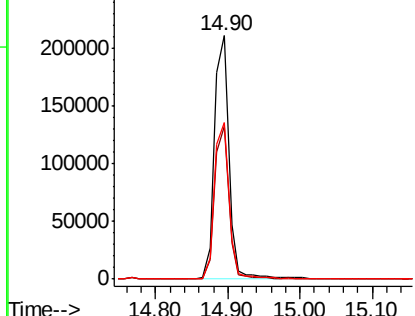
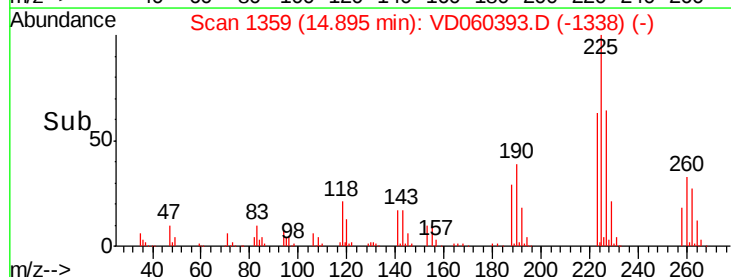


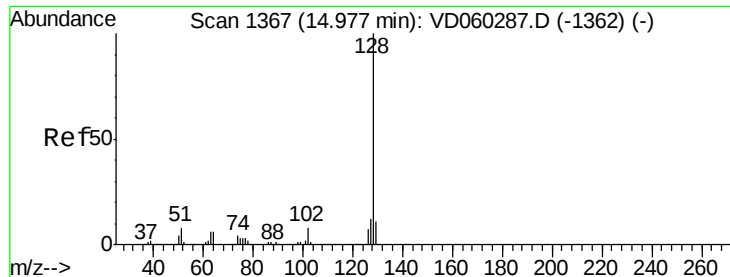
#94
 Hexachlorobutadiene
 Concen: 20.487 ug/l
 RT: 14.90 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Tgt Ion:225 Resp: 292737
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.6 94.8
 227 64.4 32.3 96.9



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

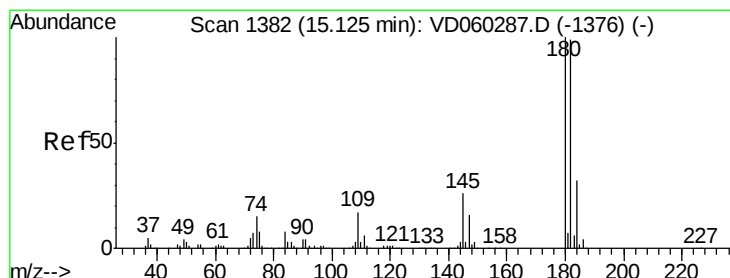
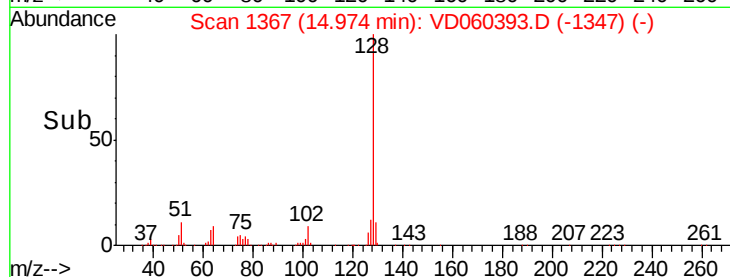
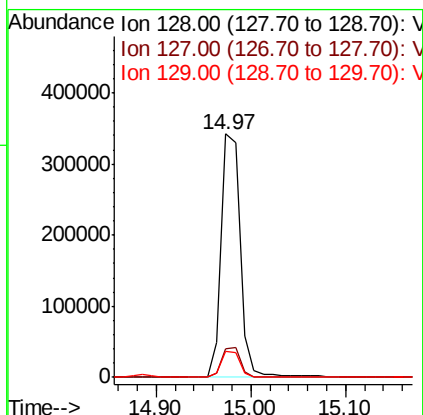
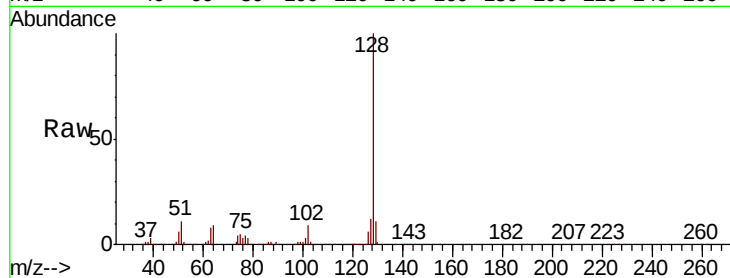




#95
Naphthalene
Concen: 20.580 ug/l
RT: 14.97 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

Tot Ion:128 Resp: 480053
Ion Ratio Lower Upper
128 100
127 11.9 9.6 14.4
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.182 ug/l
RT: 15.12 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Tgt Ion:180 Resp: 308952
Ion Ratio Lower Upper
180 100
182 94.7 48.9 146.7
145 29.0 12.9 38.6

