

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 13:26:09 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						
33) 1,2-Dichloroethane-d4	6.81	65	552279	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	6.34	113	815498	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
50) Toluene-d8	9.47	98	2341347	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.43	95	852195	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.60	85	297289	22.36	ug/l	99
3) Chloromethane	1.77	50	313465	21.73	ug/l	99
4) Vinyl Chloride	1.87	62	258231	21.92	ug/l	100
5) Bromomethane	2.16	94	40147	14.36	ug/l	98
6) Chloroethane	2.28	64	73239	18.74	ug/l	97
7) Trichlorofluoromethane	2.53	101	295189	21.25	ug/l	100
8) Diethyl Ether	2.85	74	56883	22.62	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.11	101	200734	21.97	ug/l	96
10) Methyl Iodide	3.26	142	224498	18.92	ug/l	99
11) Tert butyl alcohol	4.00	59	45525	101.67	ug/l #	93
12) 1,1-Dichloroethene	3.10	96	165038	22.21	ug/l	92
13) Acrolein	3.01	56	42371	80.09	ug/l	99
14) Allyl chloride	3.56	41	306539	21.56	ug/l	99
15) Acrylonitrile	4.11	53	273333	104.68	ug/l	98
16) Acetone	3.17	43	192652	101.86	ug/l	98
17) Carbon Disulfide	3.33	76	486136	20.27	ug/l	99
18) Methyl Acetate	3.58	43	85922	21.31	ug/l	98
19) Methyl tert-butyl Ether	4.15	73	467766	21.02	ug/l	99
20) Methylene Chloride	3.75	84	413111	24.62	ug/l	98
21) trans-1,2-Dichloroethene	4.12	96	343692	20.83	ug/l	94
22) Diisopropyl ether	4.88	45	1134840	21.36	ug/l	96
23) Vinyl Acetate	4.83	43	2858075	108.14	ug/l	99
24) 1,1-Dichloroethane	4.78	63	589023	21.62	ug/l	99
25) 2-Butanone	5.64	43	401263	102.07	ug/l	99
26) 2,2-Dichloropropane	5.61	77	460620	21.75	ug/l	98
27) cis-1,2-Dichloroethene	5.62	96	362532	21.09	ug/l	96
28) Bromochloromethane	5.95	49	256952	21.38	ug/l	96
29) Tetrahydrofuran	5.98	42	215868	104.15	ug/l	99
30) Chloroform	6.13	83	584099	21.45	ug/l	99
31) Cyclohexane	6.39	56	534996	20.55	ug/l	98
32) 1,1,1-Trichloroethane	6.31	97	488861	21.31	ug/l	96
36) 1,1-Dichloropropene	6.54	75	447378	21.79	ug/l	97
37) Ethyl Acetate	5.71	43	202382	21.42	ug/l	96
38) Carbon Tetrachloride	6.52	117	420343	22.07	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	514726	21.79	ug/l	99
40) Benzene	6.82	78	1157687	22.09	ug/l	99
41) Methacrylonitrile	5.97	41	234796	21.71	ug/l #	95
42) 1,2-Dichloroethane	6.91	62	290307	21.16	ug/l	99
43) Isopropyl Acetate	8.37	43	244202	20.58	ug/l #	96
44) Trichloroethene	7.76	130	338509	21.30	ug/l	99
45) 1,2-Dichloropropane	8.12	63	284382	21.51	ug/l	97
46) Dibromomethane	8.23	93	164221	21.21	ug/l	98
47) Bromodichloromethane	8.51	83	390517	21.40	ug/l	99
48) Methyl methacrylate	8.26	41	152264	21.12	ug/l	97
49) 1,4-Dioxane	8.25	88	27000	432.85	ug/l #	78
51) 4-Methyl-2-Pentanone	9.36	43	835703	108.18	ug/l	98
52) Toluene	9.57	92	747146	22.32	ug/l	100
53) t-1,3-Dichloropropene	9.94	75	322118	20.90	ug/l	99
54) cis-1,3-Dichloropropene	9.12	75	431839	21.84	ug/l	97
55) 1,1,2-Trichloroethane	10.20	97	199114	20.52	ug/l	99
56) Ethyl methacrylate	10.05	69	185944	20.84	ug/l	100
57) 1,3-Dichloropropane	10.40	76	315817	21.36	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.94	63	582176	107.91	ug/l	100
59) 2-Hexanone	10.51	43	591252	107.39	ug/l	100
60) Dibromochloromethane	10.65	129	247929	21.02	ug/l	98
61) 1,2-Dibromoethane	10.77	107	202928	20.87	ug/l	100
64) Tetrachloroethene	10.27	164	314720	21.62	ug/l	99
65) Chlorobenzene	11.33	112	784959	22.21	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	254238	21.99	ug/l	99
67) Ethyl Benzene	11.44	91	1352204	22.37	ug/l	97
68) m/p-Xylenes	11.58	106	1013357	45.45	ug/l	97
69) o-Xylene	11.94	106	484226	22.48	ug/l	99
70) Styrene	11.97	104	778558	22.36	ug/l	99
71) Bromoform	12.13	173	158953	20.46	ug/l	98
73) Isopropylbenzene	12.29	105	1353319	21.80	ug/l	100
74) N-amyl acetate	12.15	43	317952	19.98	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	206926	20.38	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	209616	20.57	ug/l	100
77) Bromobenzene	12.55	156	340482	20.65	ug/l	99
78) n-propylbenzene	12.65	91	1657868	21.40	ug/l	99
79) 2-Chlorotoluene	12.72	91	899626	21.20	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1056742	21.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.36	75	60232	20.76	ug/l	97
82) 4-Chlorotoluene	12.82	91	1051866	22.07	ug/l	96
83) tert-Butylbenzene	13.05	119	1171424	21.87	ug/l	91
84) 1,2,4-Trimethylbenzene	13.10	105	1046752	21.73	ug/l	100
85) sec-Butylbenzene	13.23	105	1401816	21.33	ug/l	99
86) p-Isopropyltoluene	13.35	119	1187938	22.45	ug/l	96
87) 1,3-Dichlorobenzene	13.32	146	644841	21.98	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	639439	22.32	ug/l	95
89) n-Butylbenzene	13.66	91	1210401	20.90	ug/l	95
90) Hexachloroethane	13.87	117	269399	21.47	ug/l	91
91) 1,2-Dichlorobenzene	13.67	146	532569	22.10	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	24870	20.30	ug/l	66

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MSVOA_D
ClientSampleId :
VD1116SBSD01

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

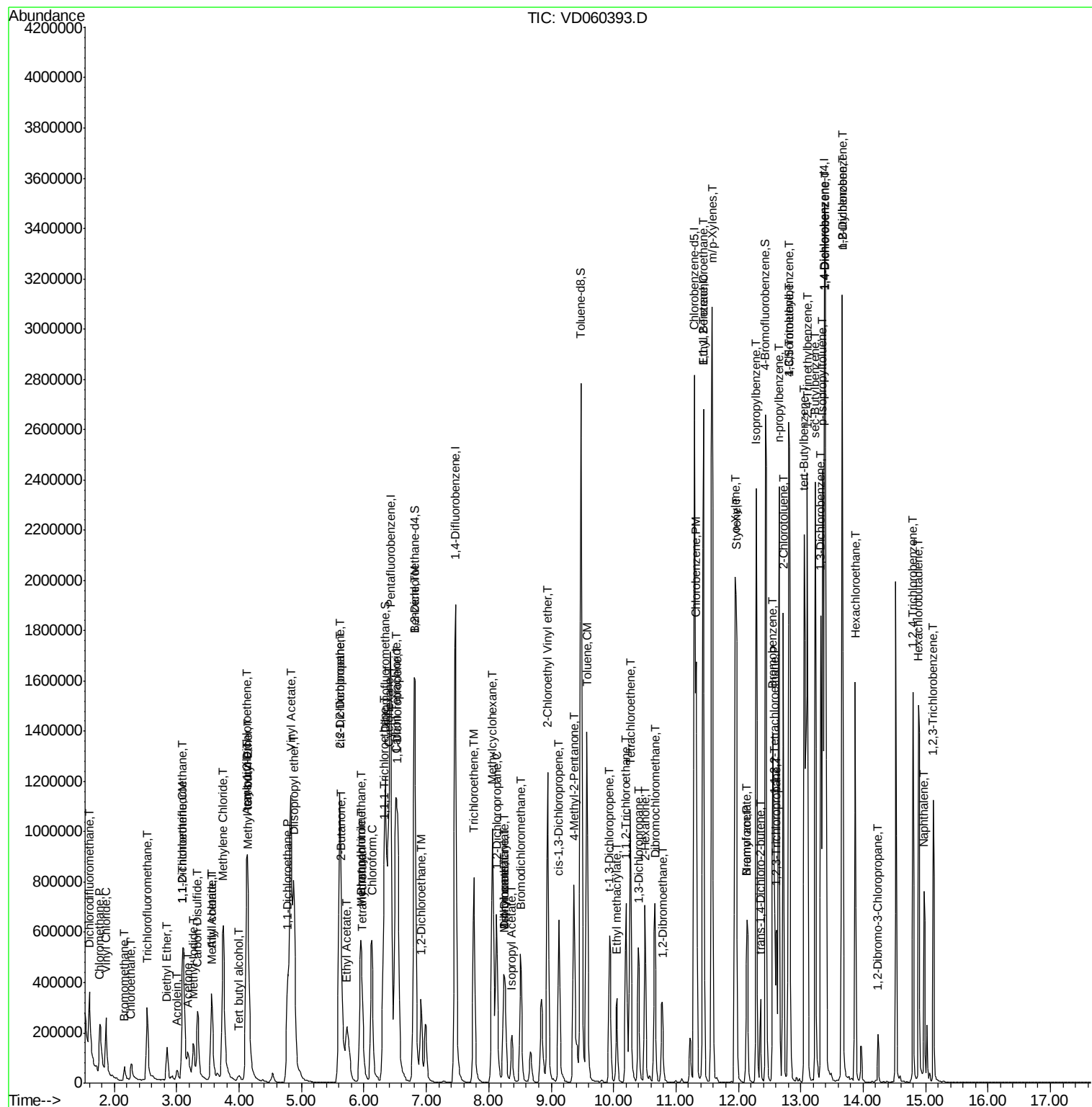
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	399473	20.91	ug/l	97
94) Hexachlorobutadiene	14.90	225	292737	20.49	ug/l	100
95) Naphthalene	14.97	128	480053	20.58	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	308952	20.18	ug/l	96

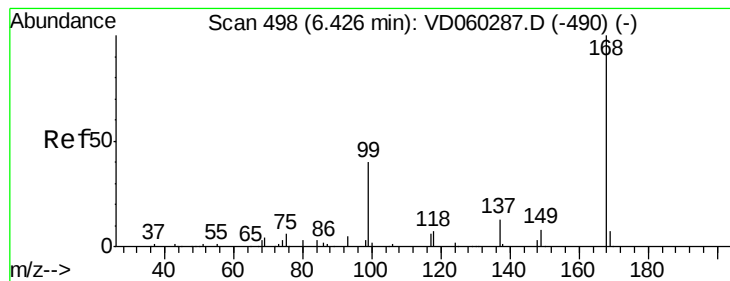
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD111618\
 Data File : VD060393.D
 Acq On : 16 Nov 2018 12:53
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 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
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#1

Pentafluorobenzene

Concen: 50.00 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 :

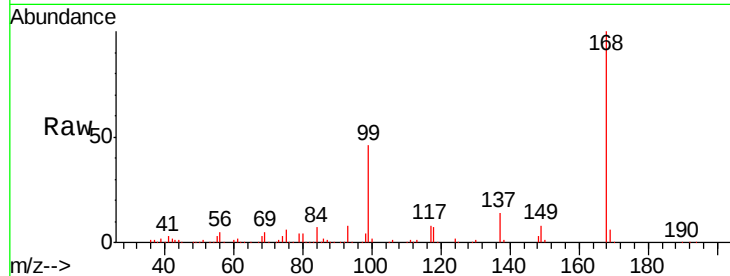
VD1116SBSD01

Tgt Ion:168 Resp: 1522869

Ion Ratio Lower Upper

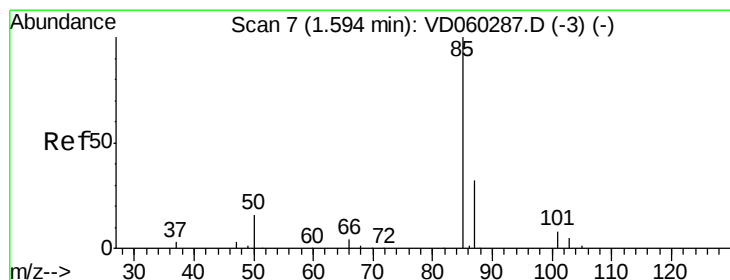
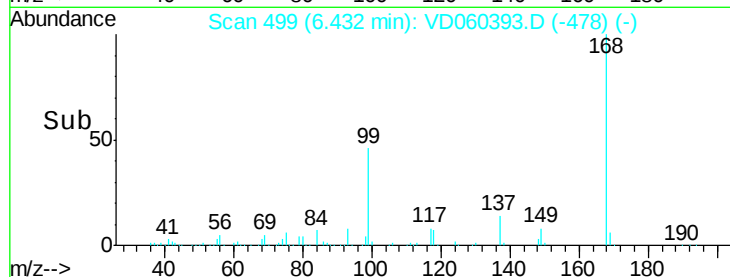
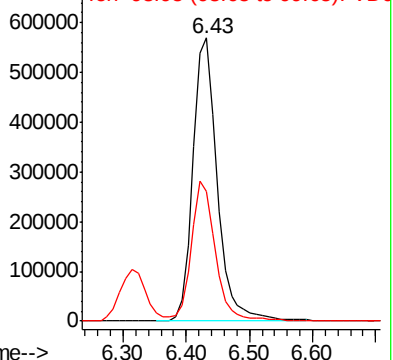
168 100

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



#2

Dichlorodifluoromethane

Concen: 22.36 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060393.D

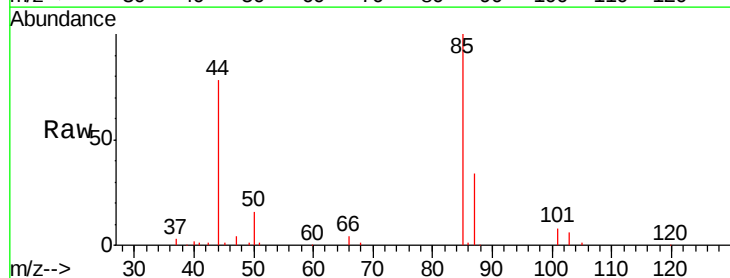
Acq: 16 Nov 2018 12:53

Tgt Ion: 85 Resp: 297289

Ion Ratio Lower Upper

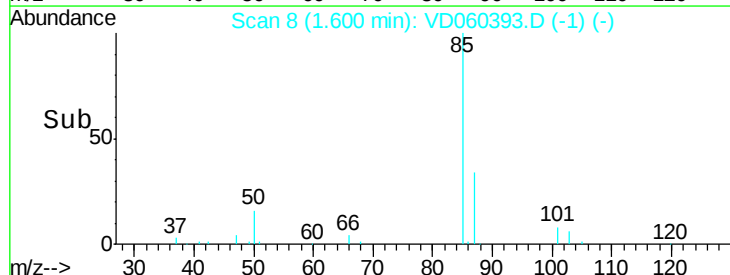
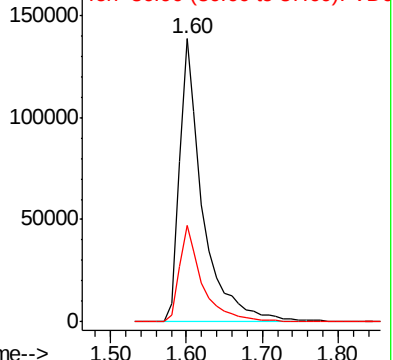
85 100

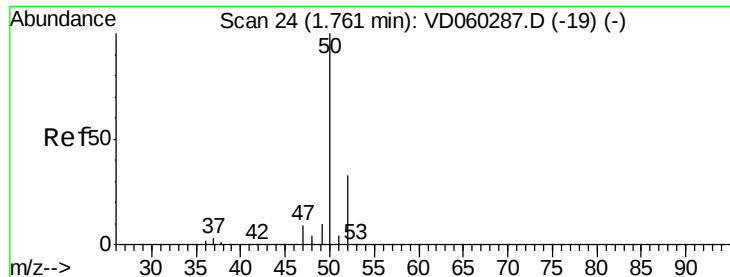
87 34.3 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.73 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 :

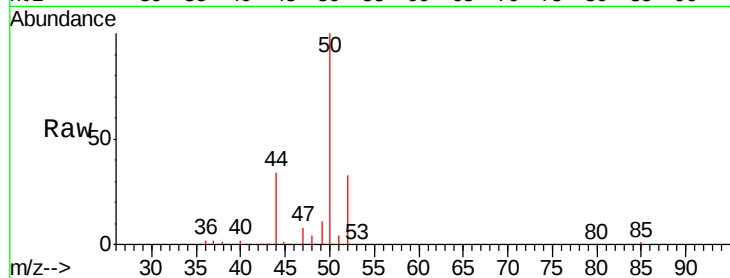
VD1116SBS01

Tgt Ion: 50 Resp: 313465

Ion Ratio Lower Upper

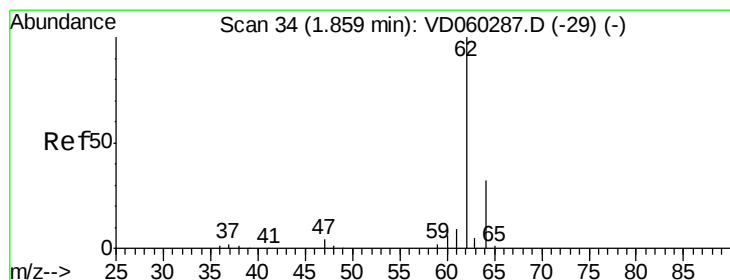
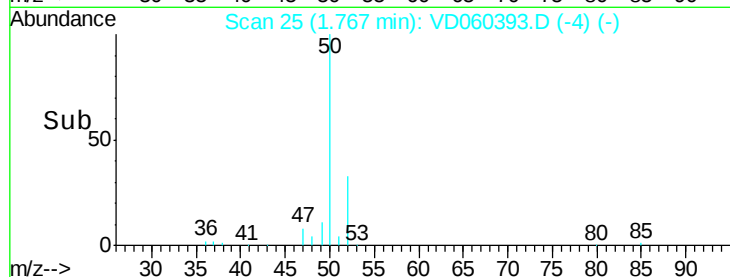
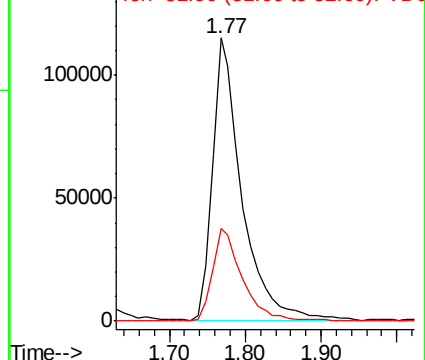
50 100

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: 21.92 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060393.D

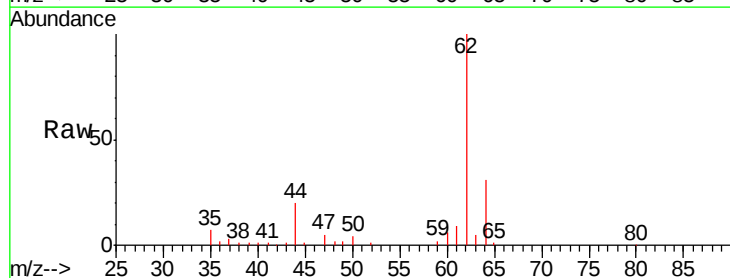
Acq: 16 Nov 2018 12:53

Tgt Ion: 62 Resp: 258231

Ion Ratio Lower Upper

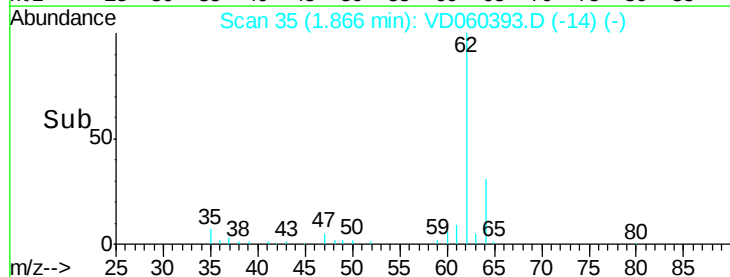
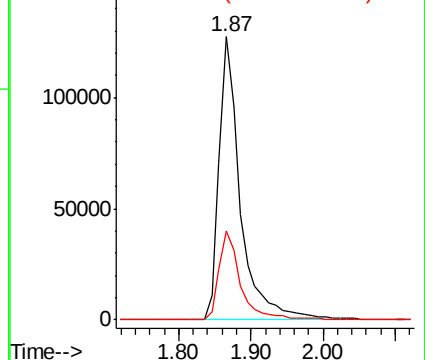
62 100

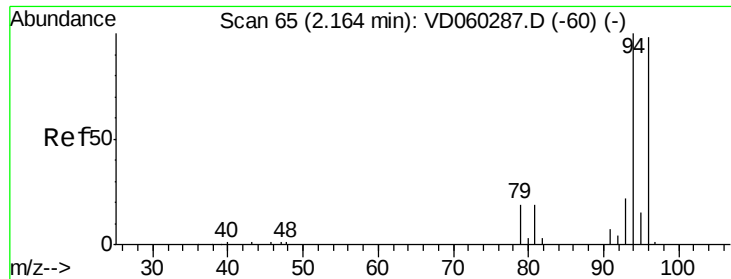
64 31.4 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.36 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 :

MSVOA_D

ClientSampleId :

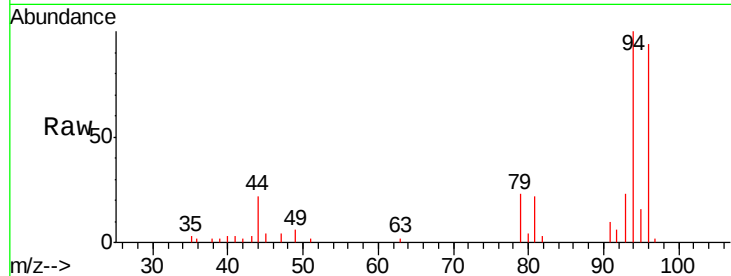
VD1116SBS01

Tgt Ion: 94 Resp: 40147

Ion Ratio Lower Upper

94 100

96 93.7 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.16

20000

15000

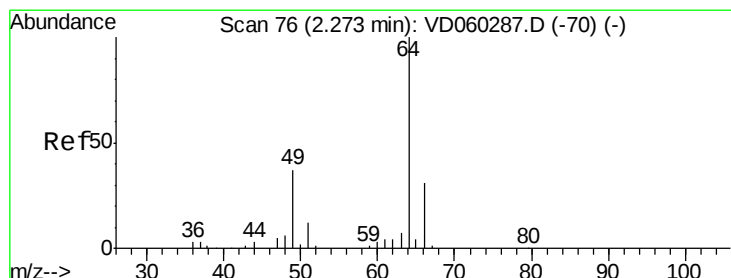
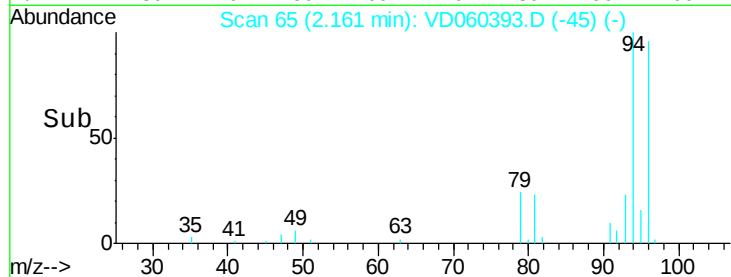
10000

5000

0

Time-->

2.10 2.15 2.20 2.25



#6

Chloroethane

Concen: 18.74 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.01 min

Lab File: VD060393.D

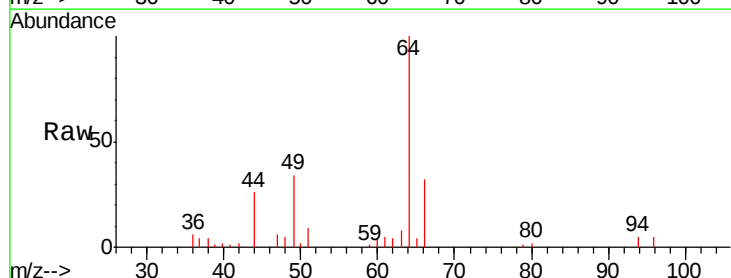
Acq: 16 Nov 2018 12:53

Tgt Ion: 64 Resp: 73239

Ion Ratio Lower Upper

64 100

66 31.6 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.28

30000

25000

20000

15000

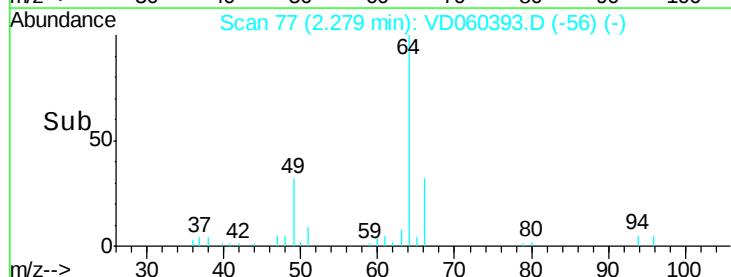
10000

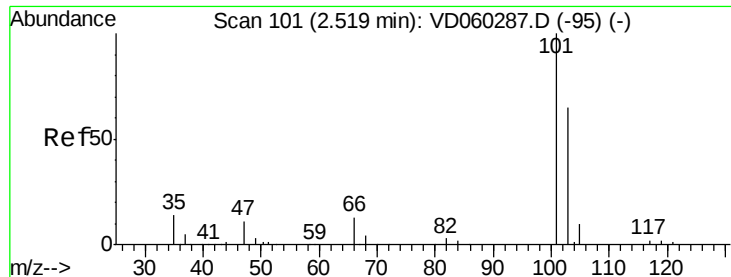
5000

0

Time-->

2.20 2.30 2.40



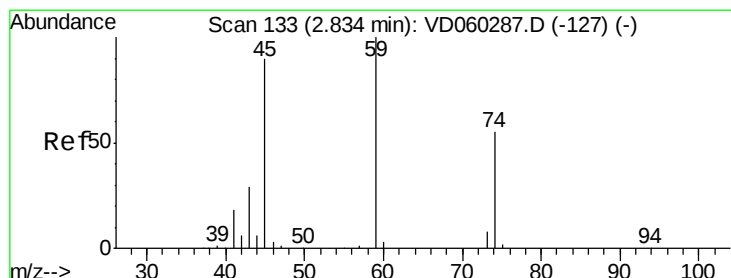
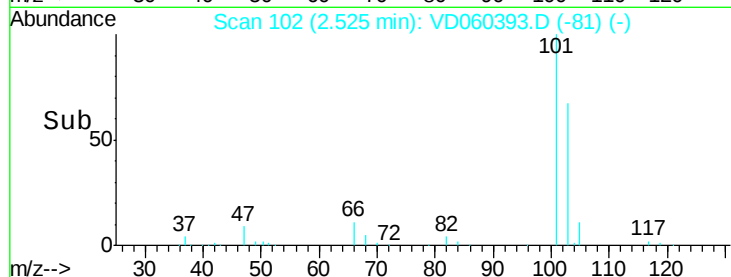
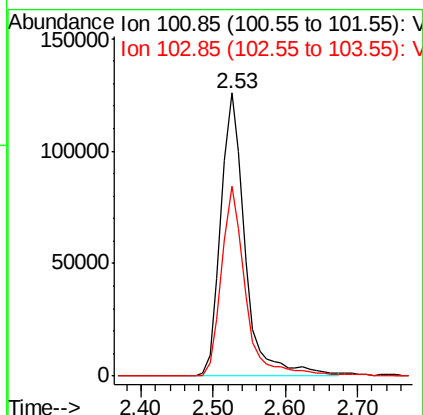
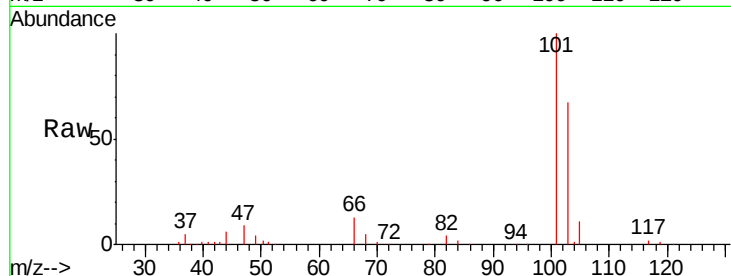


#7

Trichlorofluoromethane
 Concen: 21.25 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

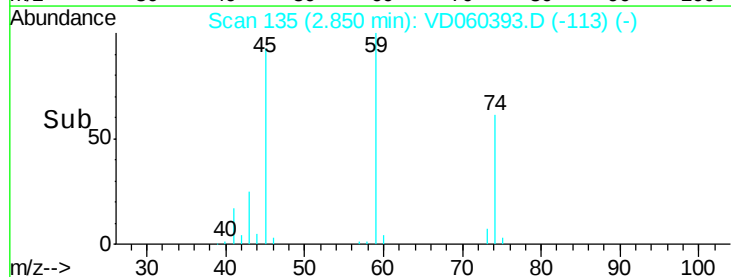
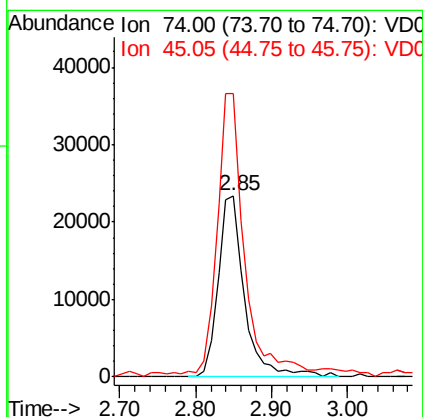
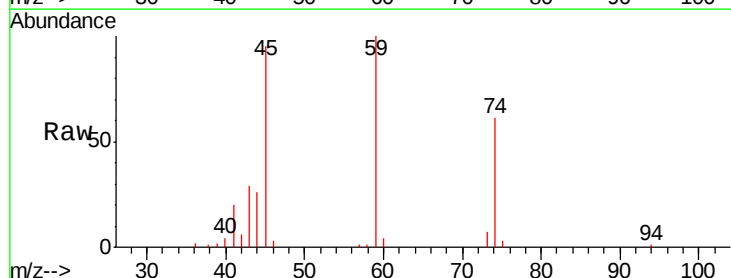
Tgt Ion: 101 Resp: 295189
 Ion Ratio Lower Upper
 101 100
 103 67.1 53.6 80.4

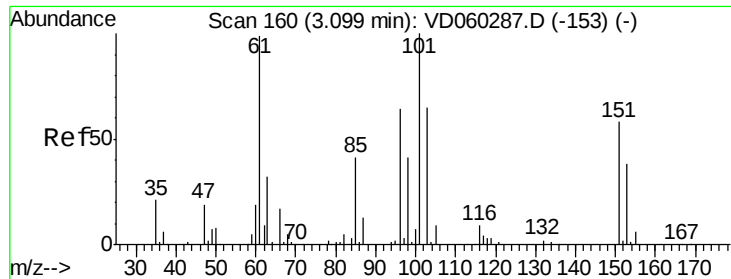


#8

Diethyl Ether
 Concen: 22.62 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: 21.97 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

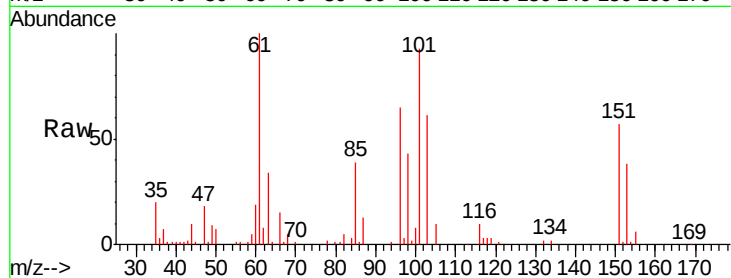
Tgt Ion:101 Resp: 200734

Ion Ratio Lower Upper

101 100

85 42.5 31.4 47.0

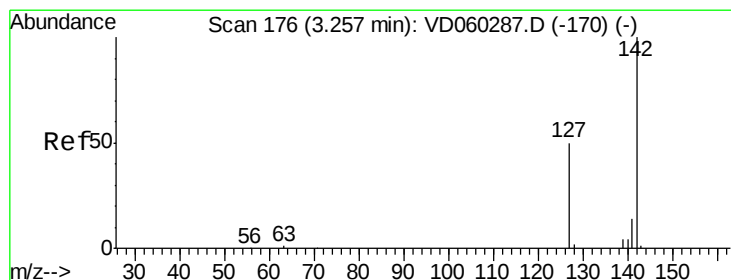
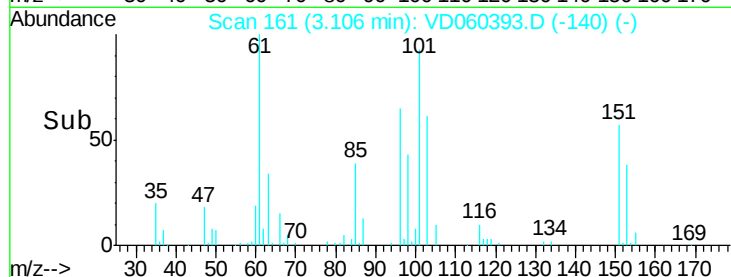
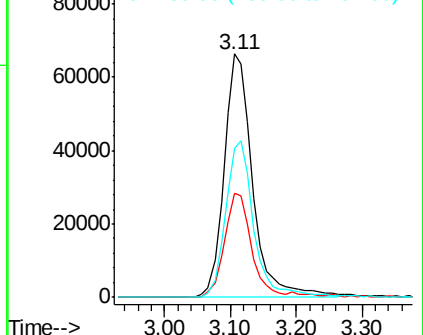
151 61.1 47.4 71.0



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: 18.92 ug/l

RT: 3.26 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

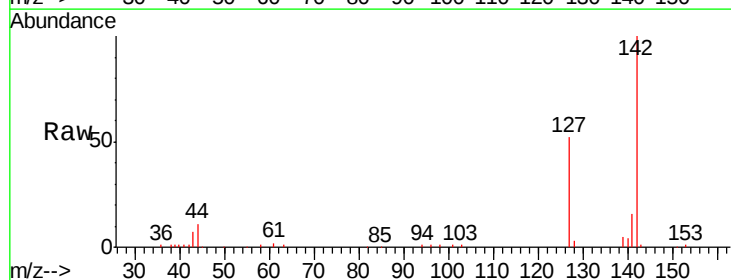
Tgt Ion:142 Resp: 224498

Ion Ratio Lower Upper

142 100

127 51.8 41.0 61.6

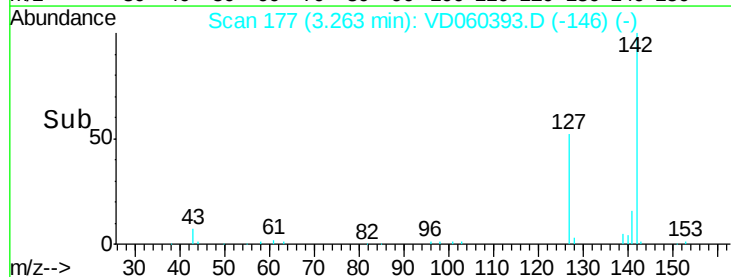
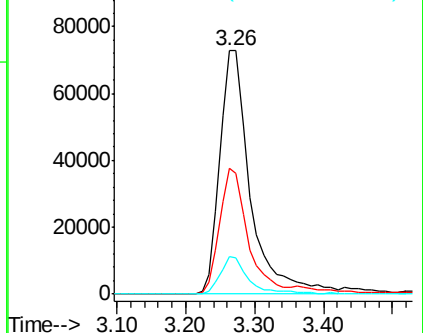
141 15.6 11.9 17.9

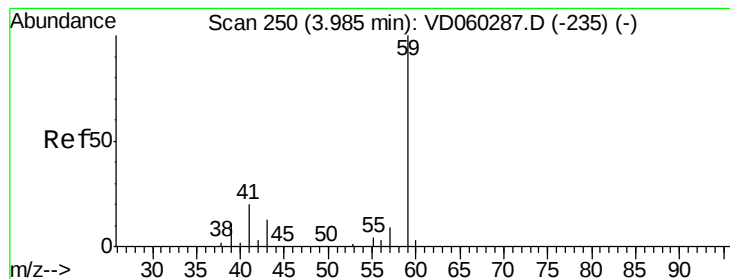


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



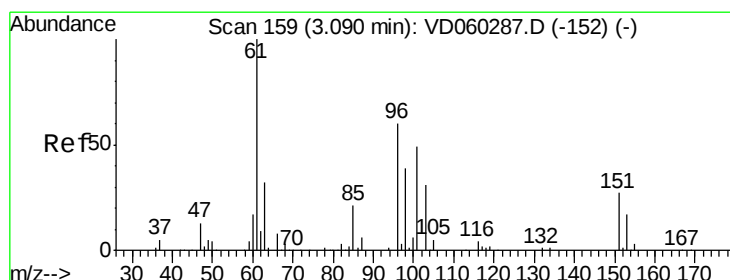
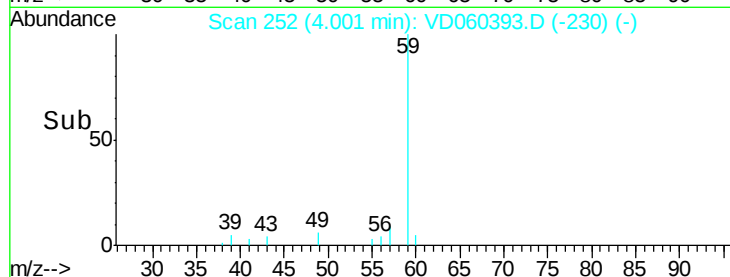
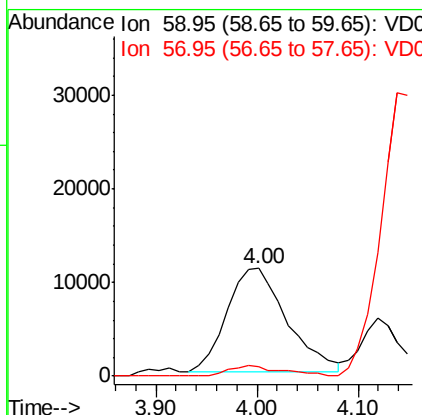
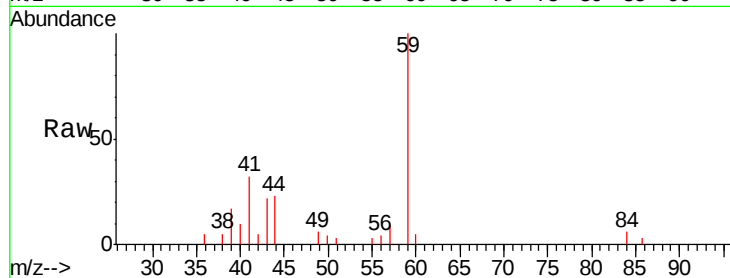


#11

Tert butyl alcohol
 Concen: 101.67 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

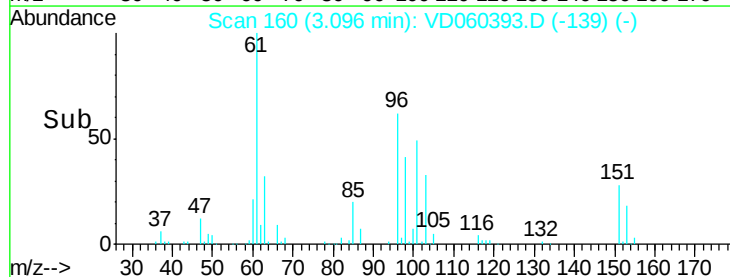
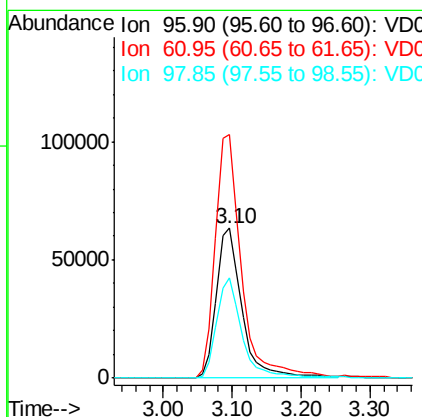
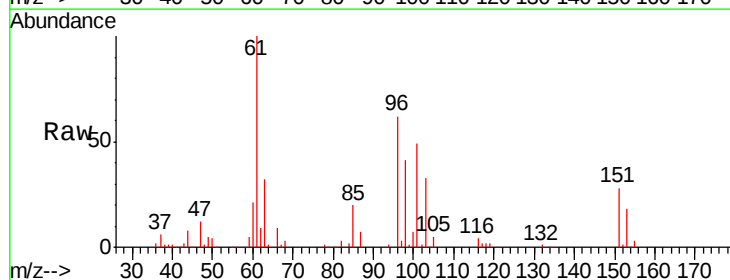
Tgt Ion: 59 Resp: 45525
 Ion Ratio Lower Upper
 59 100
 57 9.1 9.3 13.9#

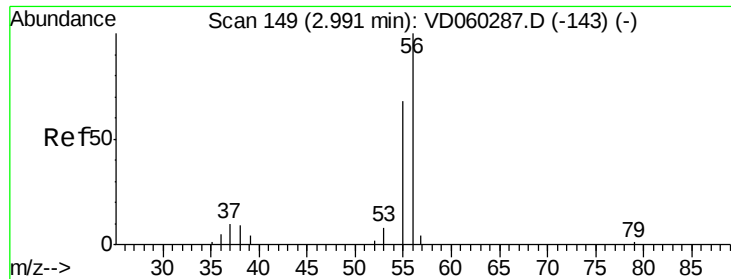


#12

1,1-Dichloroethene
 Concen: 22.21 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





#13

Acrolein

Concen: 80.09 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 :

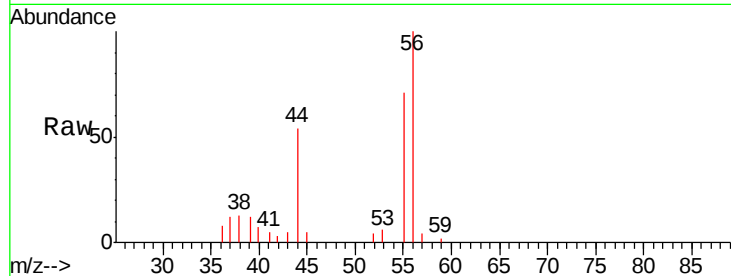
VD1116SBS01

Tgt Ion: 56 Resp: 42371

Ion Ratio Lower Upper

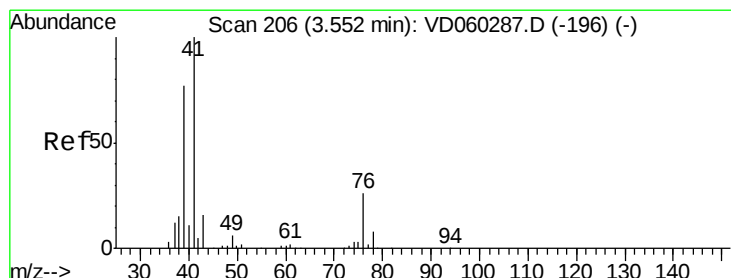
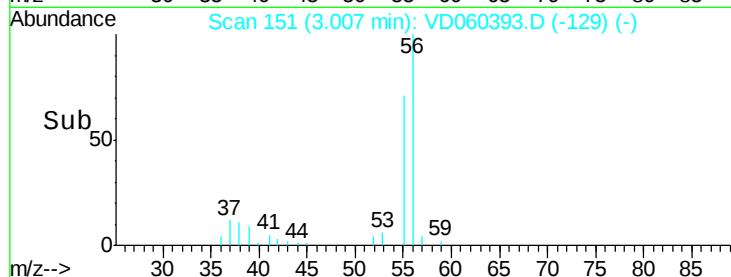
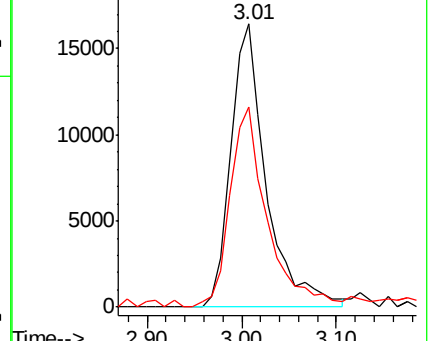
56 100

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: 21.56 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

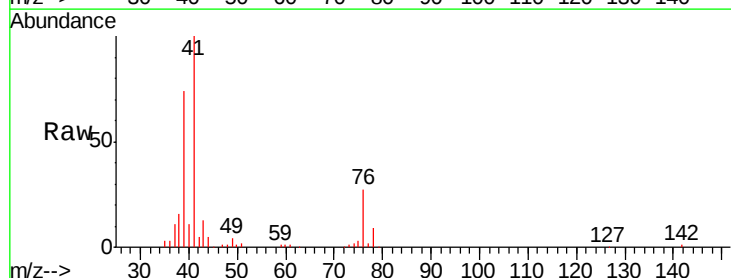
Tgt Ion: 41 Resp: 306539

Ion Ratio Lower Upper

41 100

39 74.0 60.4 90.6

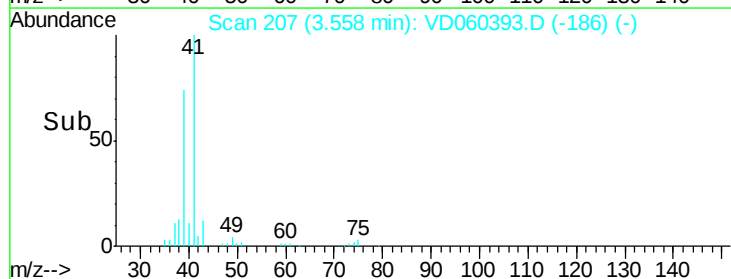
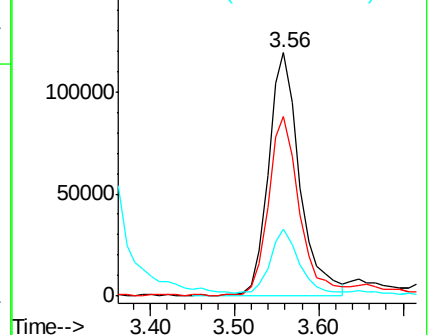
76 27.3 21.8 32.8

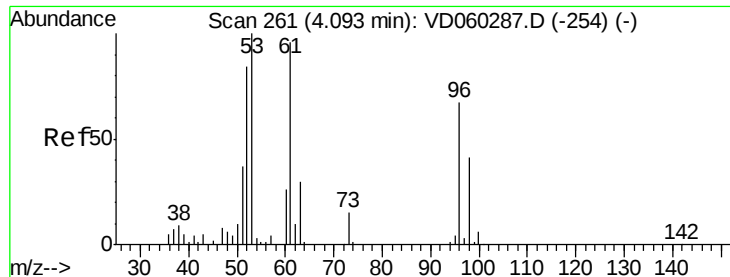


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 104.68 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 :

VD1116SBSD01

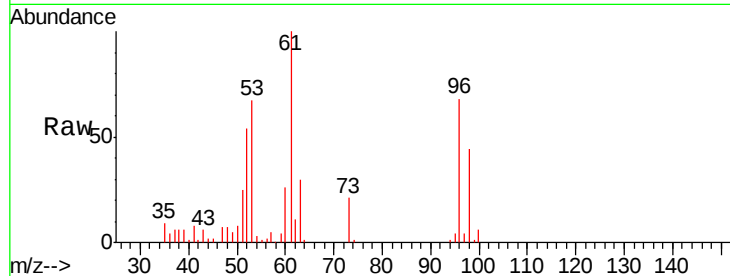
Tgt Ion: 53 Resp: 273333

Ion Ratio Lower Upper

53 100

52 80.9 67.0 100.4

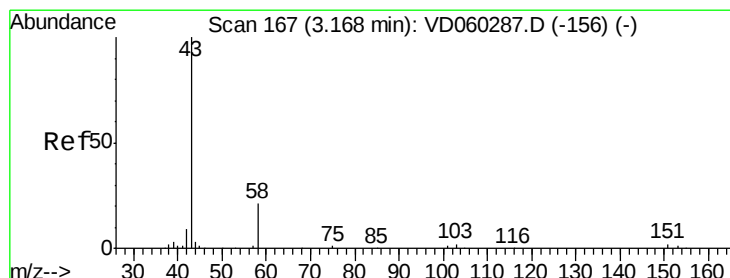
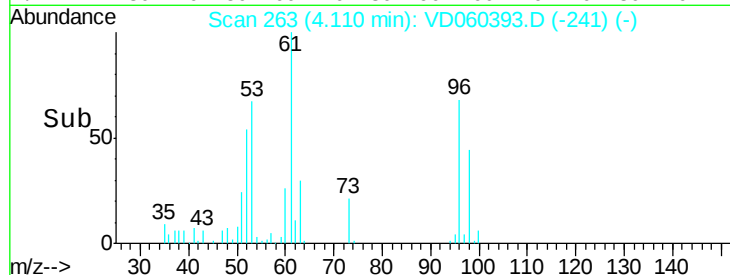
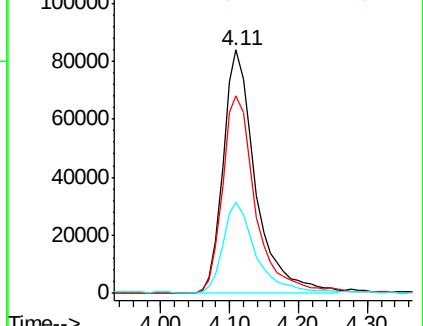
51 37.5 29.9 44.9



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: 101.86 ug/l

RT: 3.17 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060393.D

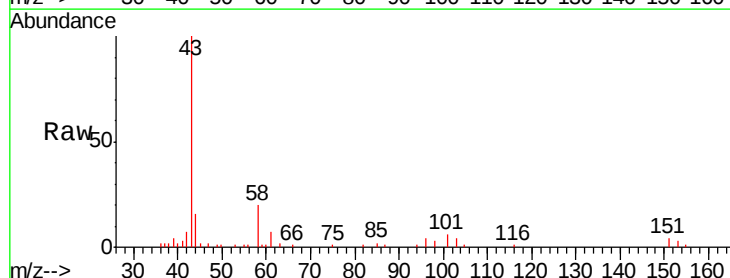
Acq: 16 Nov 2018 12:53

Tgt Ion: 43 Resp: 192652

Ion Ratio Lower Upper

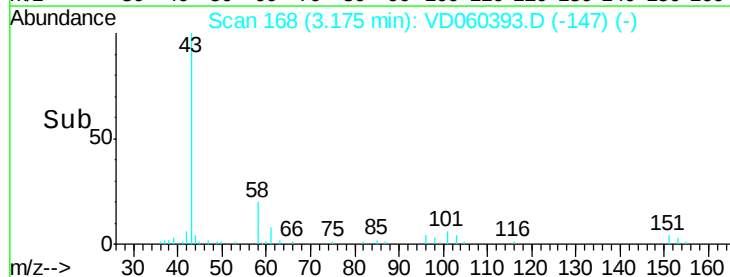
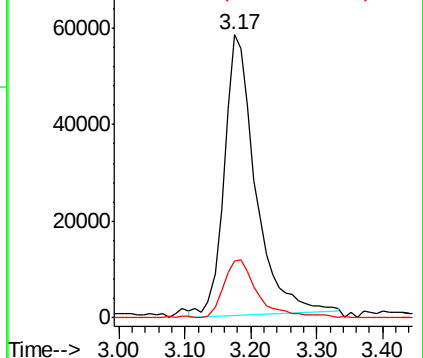
43 100

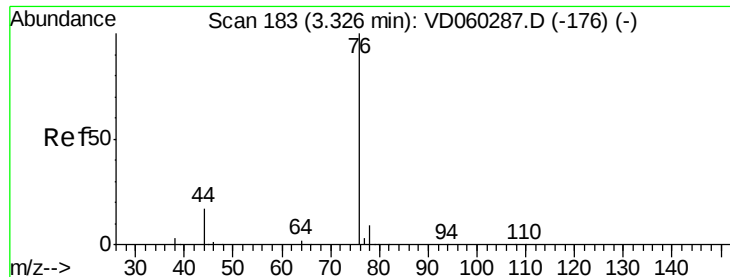
58 20.1 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

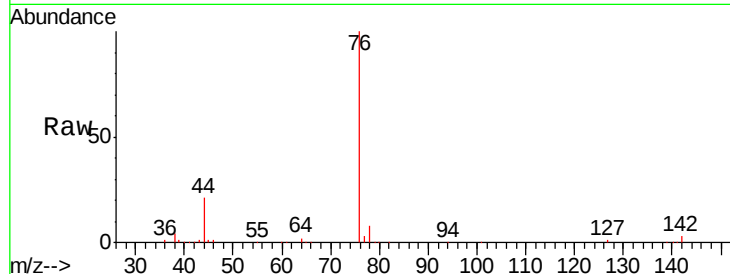




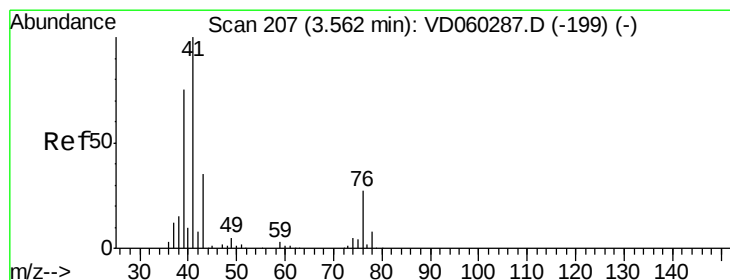
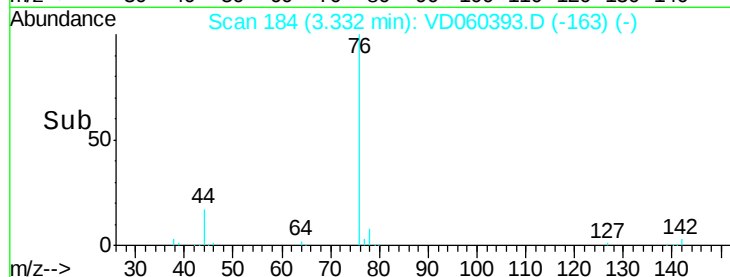
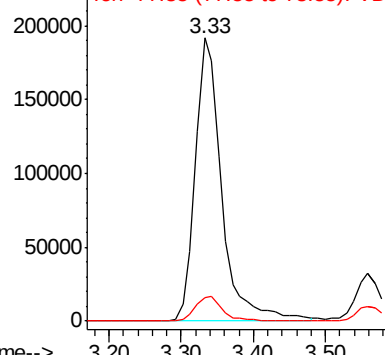
#17
Carbon Disulfide
Concen: 20.27 ug/l
RT: 3.33 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

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

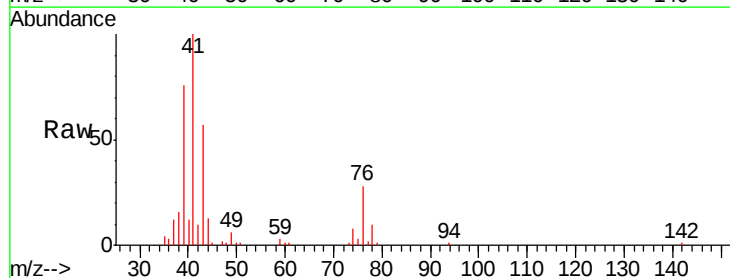


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

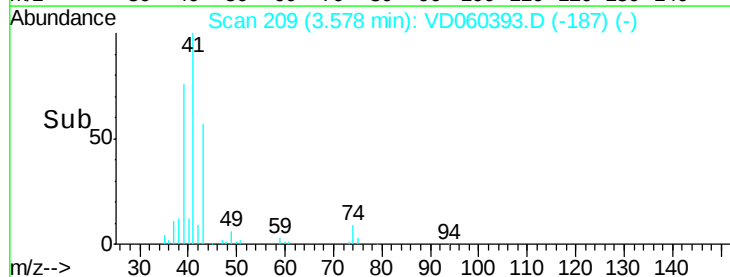
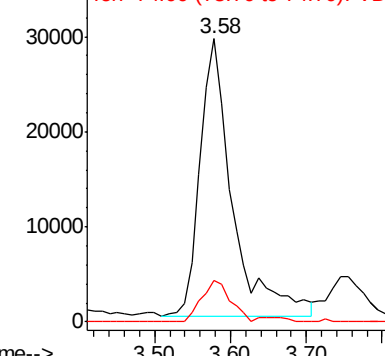


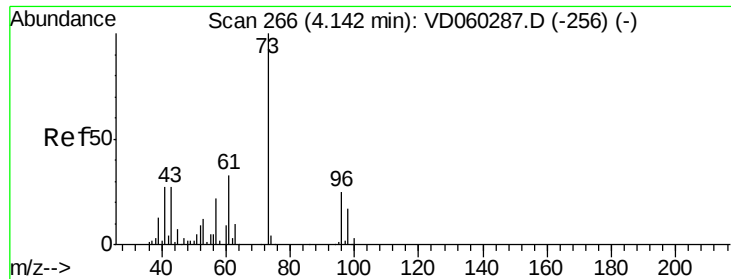
#18
Methyl Acetate
Concen: 21.31 ug/l
RT: 3.58 min Scan# 209
Delta R.T. 0.02 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

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

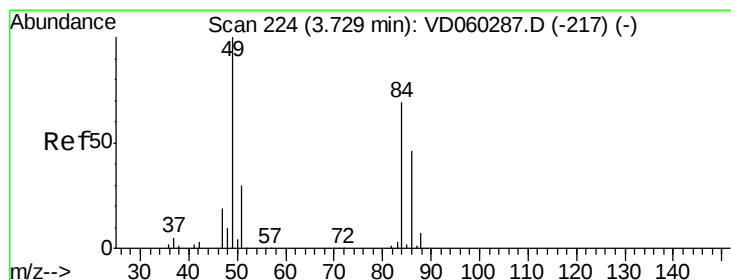
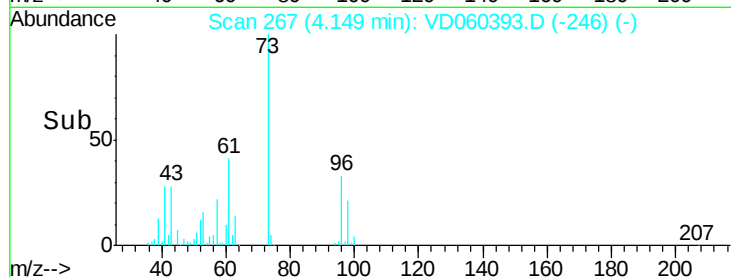
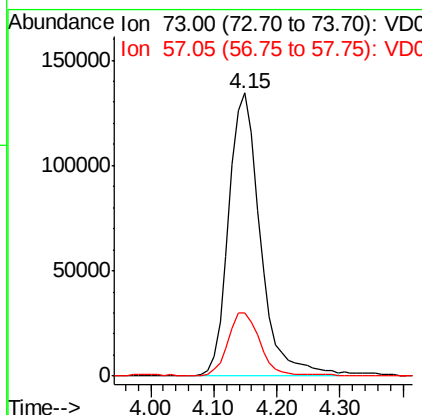
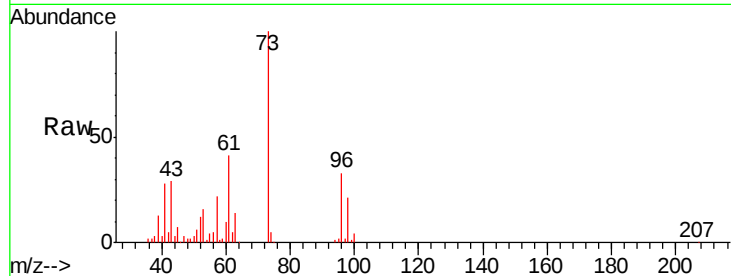




#19
Methyl tert-butyl Ether
Concen: 21.02 ug/l
RT: 4.15 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

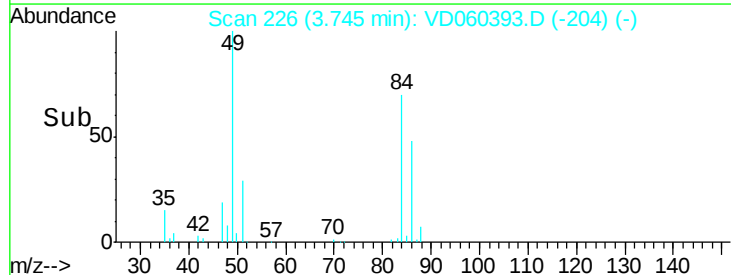
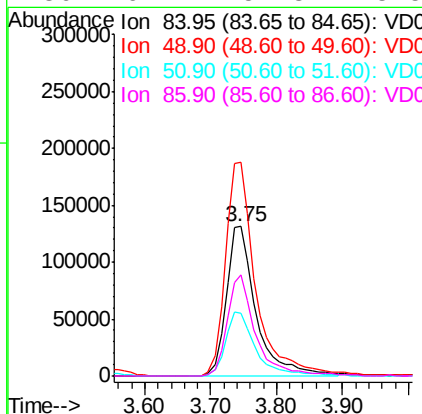
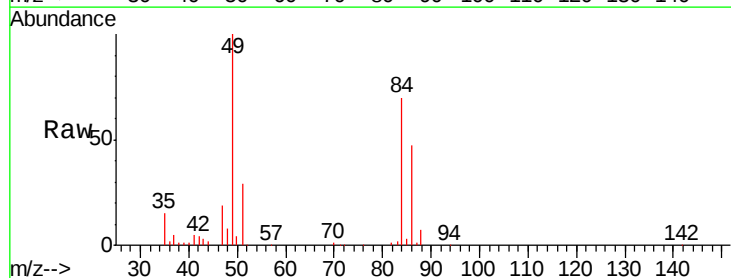
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

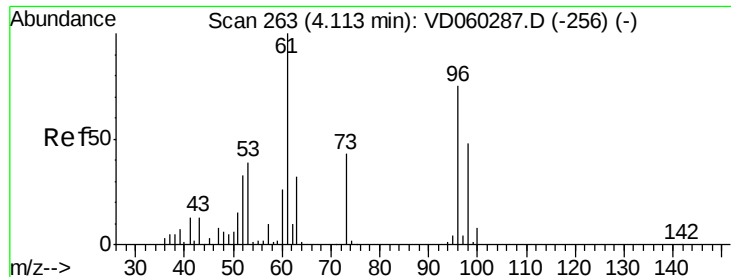
Tgt Ion: 73 Resp: 467766
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1



#20
Methylene Chloride
Concen: 24.62 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: 20.83 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

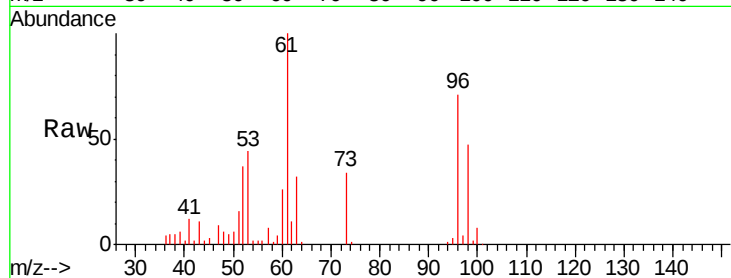
Tgt Ion: 96 Resp: 343692

Ion Ratio Lower Upper

96 100

61 141.2 105.8 158.6

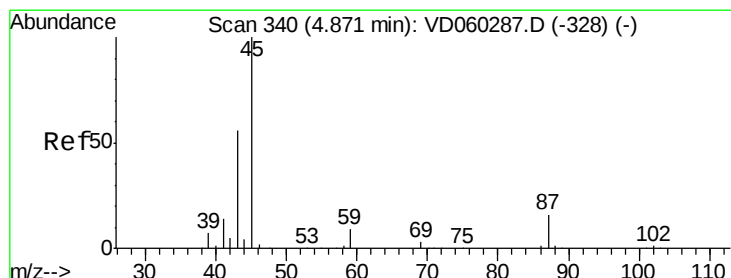
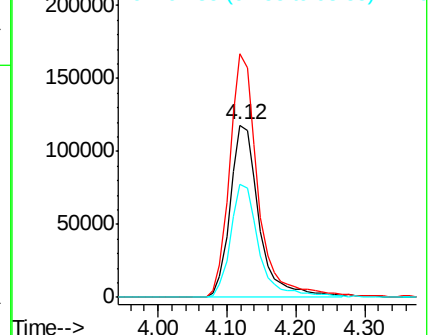
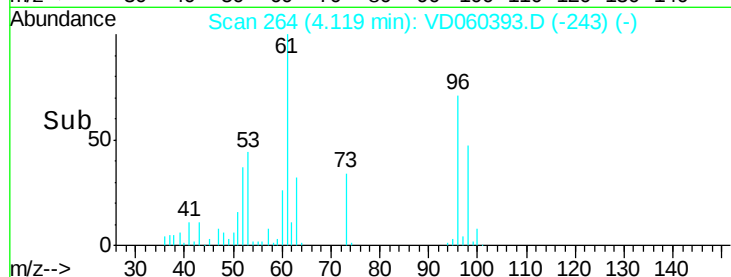
98 65.9 50.8 76.2



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: 21.36 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

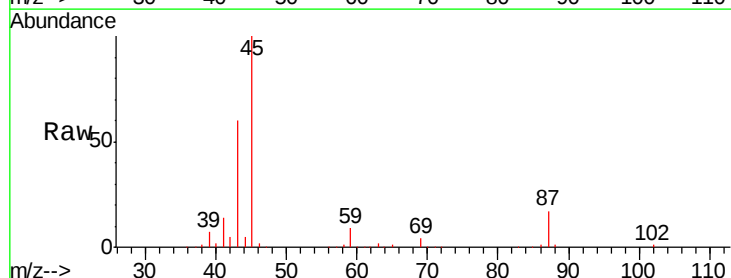
Ion Ratio Lower Upper

45 100

43 59.9 44.9 67.3

87 17.5 13.9 20.9

59 8.8 7.0 10.6

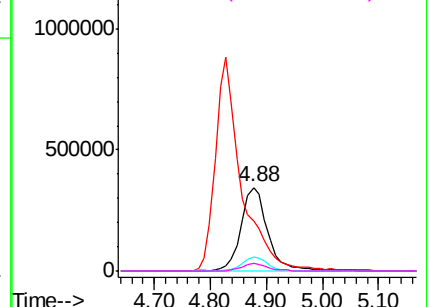
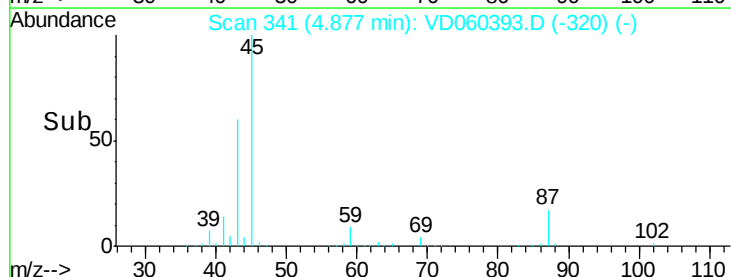


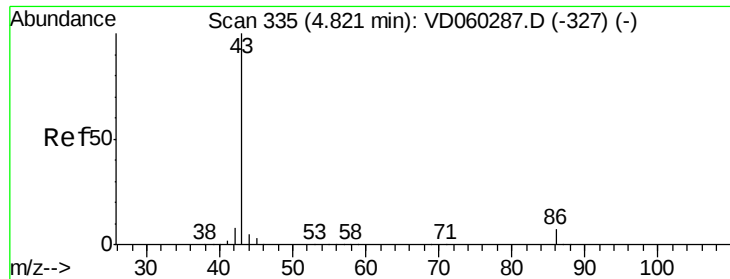
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

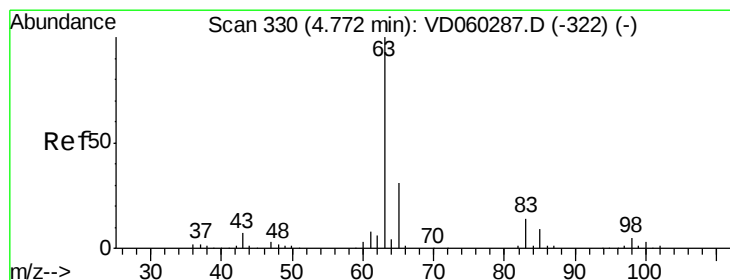
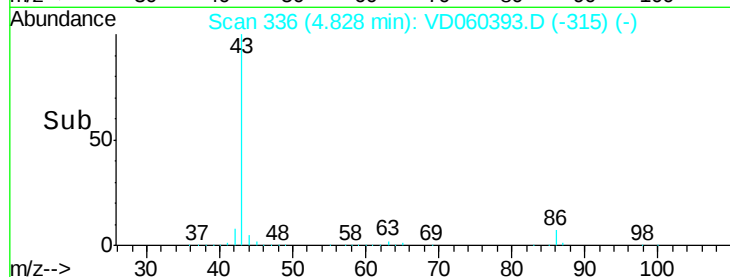
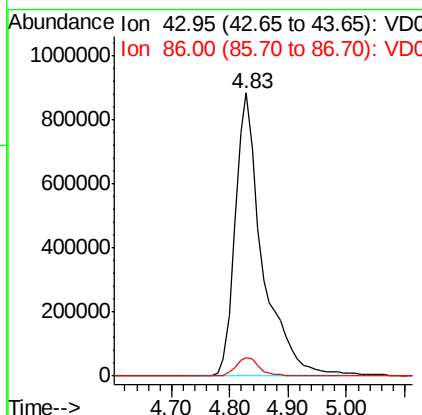
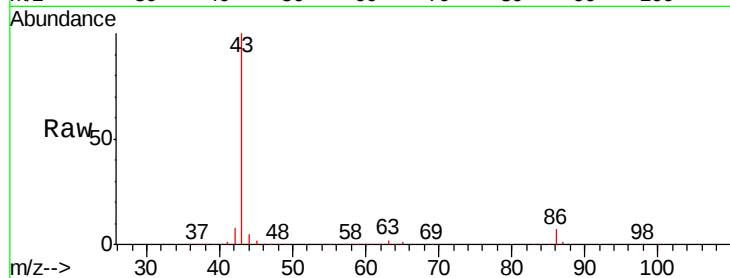




#23
 Vinyl Acetate
 Concen: 108.14 ug/l
 RT: 4.83 min Scan# 336
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

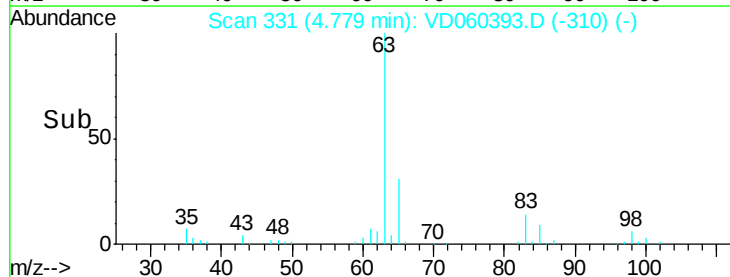
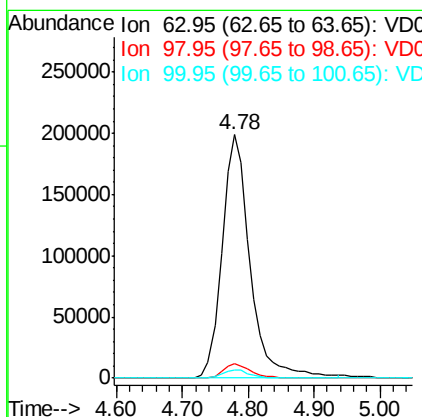
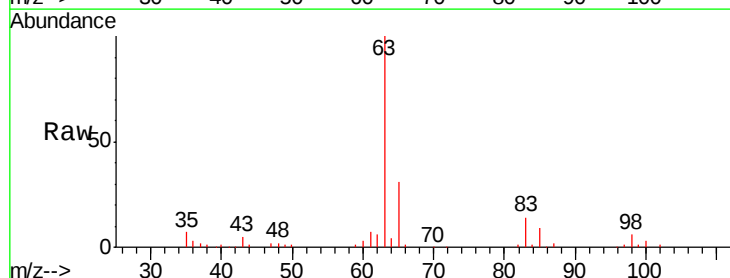
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

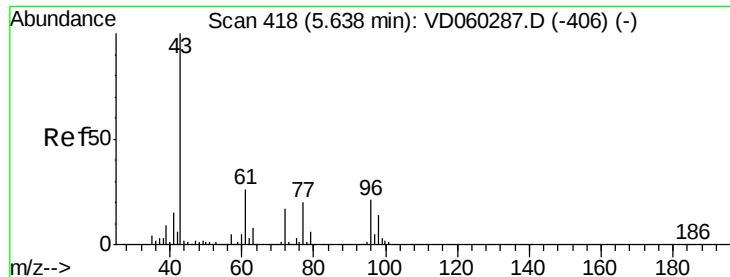
Tgt Ion: 43 Resp: 2858075
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 21.62 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





#25

2-Butanone

Concen: 102.07 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 :

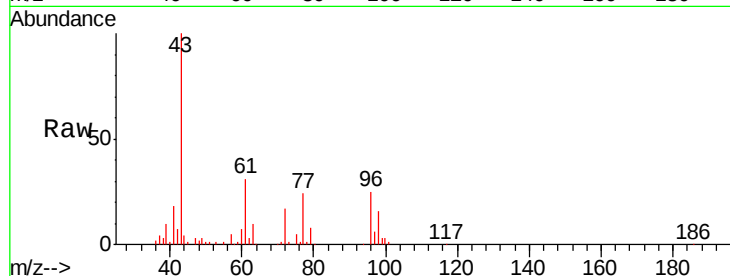
VD1116SBS01

Tgt Ion: 43 Resp: 401263

Ion Ratio Lower Upper

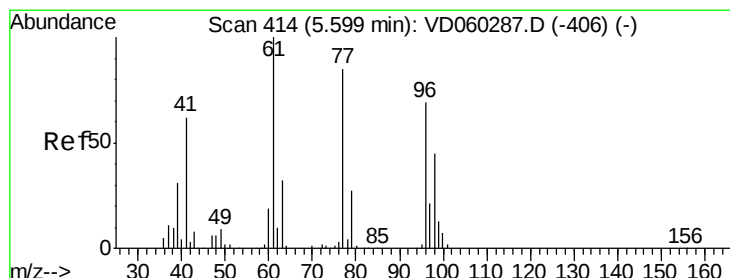
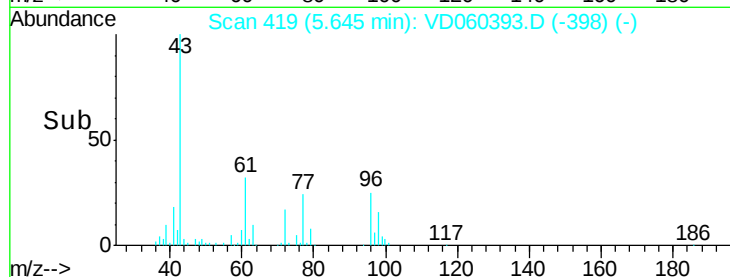
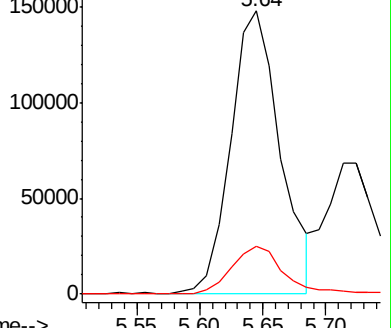
43 100

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: 21.75 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060393.D

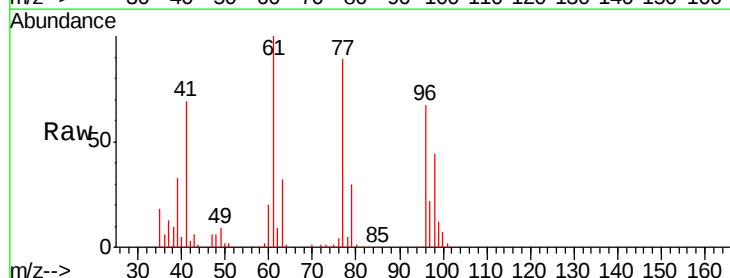
Acq: 16 Nov 2018 12:53

Tgt Ion: 77 Resp: 460620

Ion Ratio Lower Upper

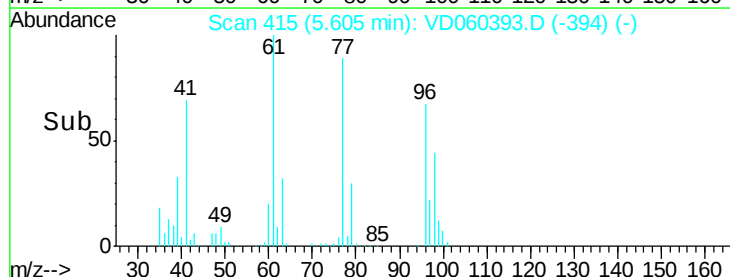
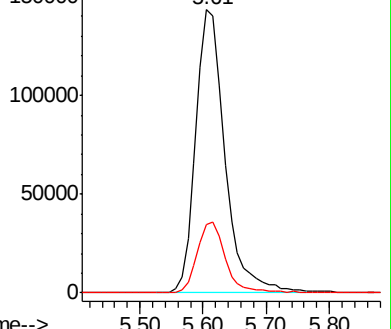
77 100

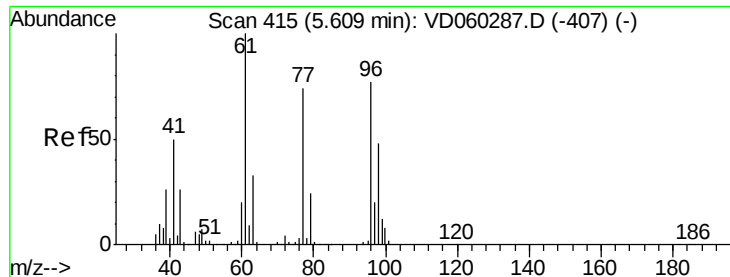
97 24.1 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



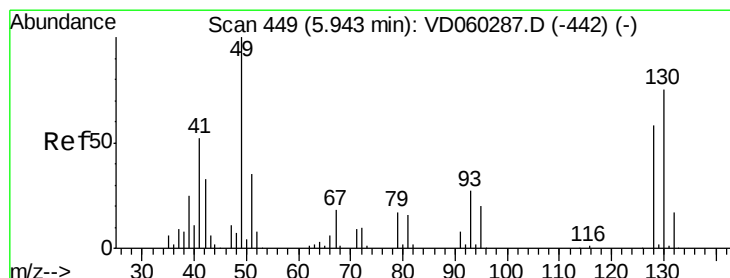
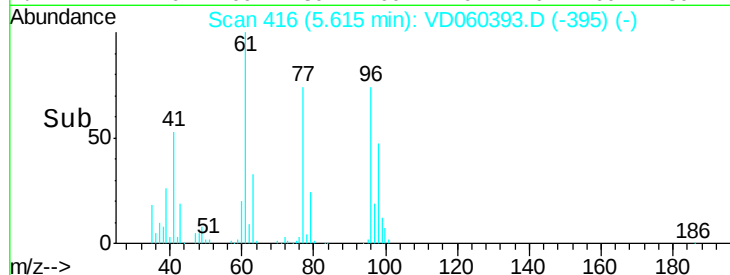
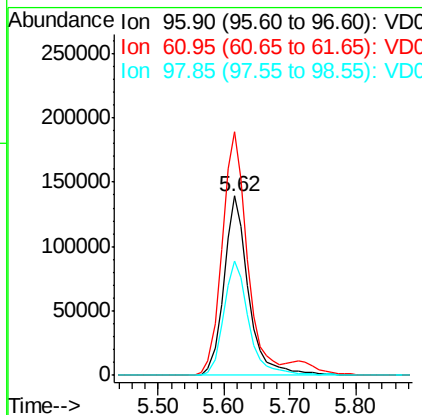
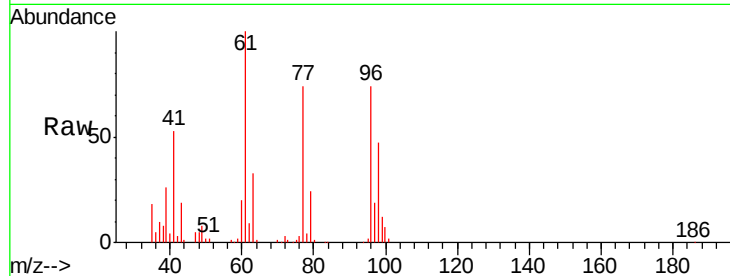


#27

cis-1,2-Dichloroethene
 Concen: 21.09 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 :
 VD1116SBSD01

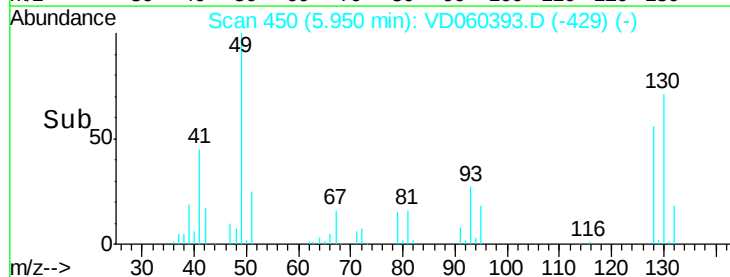
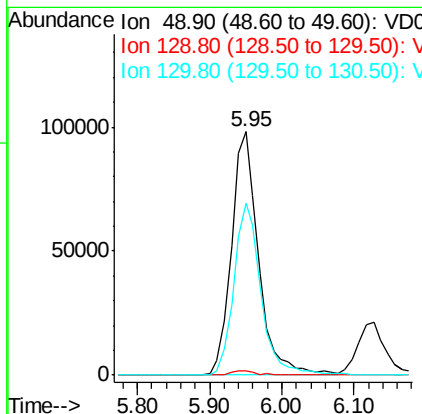
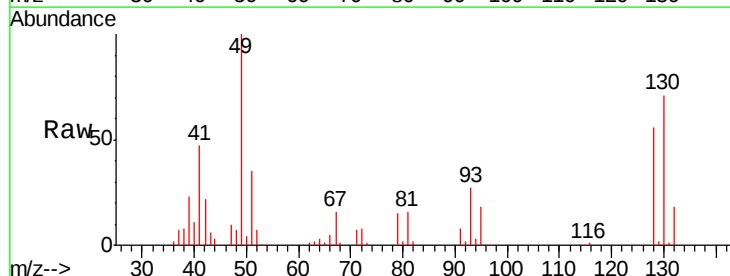
Tgt Ion: 96 Resp: 362532
 Ion Ratio Lower Upper
 96 100
 61 135.9 0.0 259.0
 98 63.9 0.0 128.8

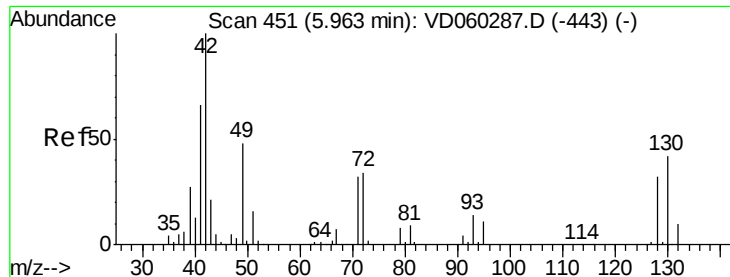


#28

Bromochloromethane
 Concen: 21.38 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

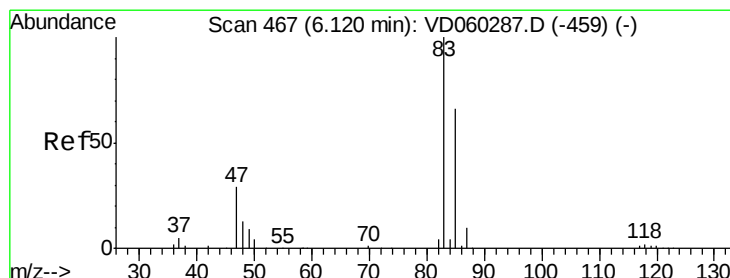
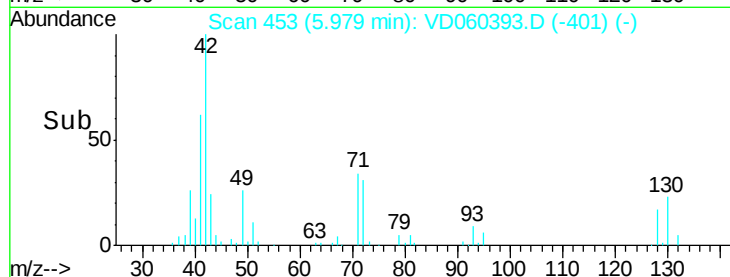
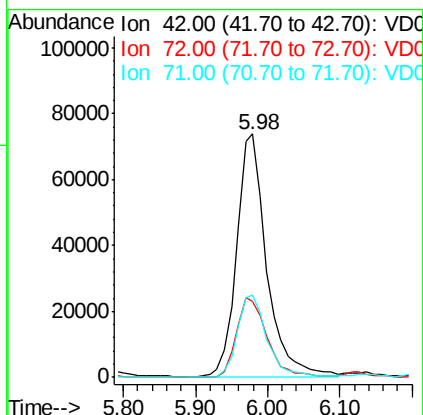
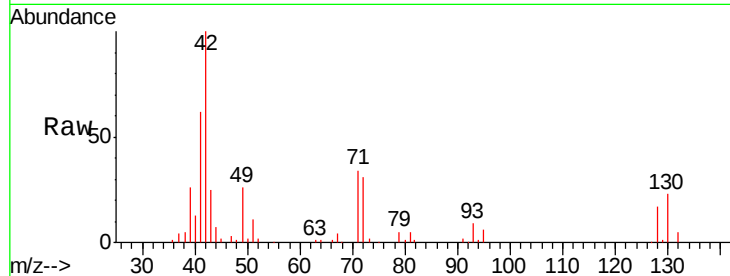




#29
Tetrahydrofuran
Concen: 104.15 ug/l
RT: 5.98 min Scan# 453
Delta R.T. 0.02 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

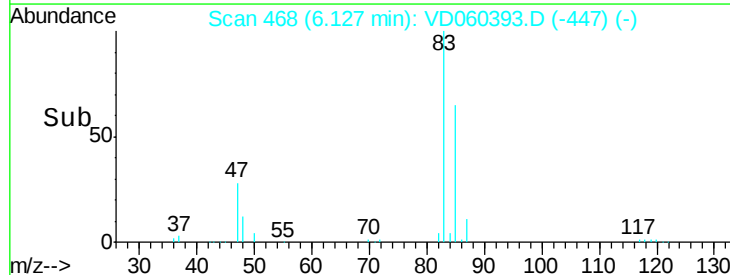
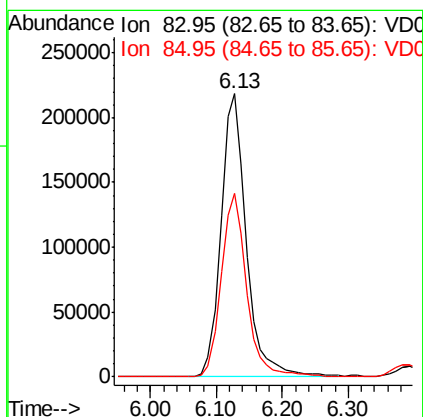
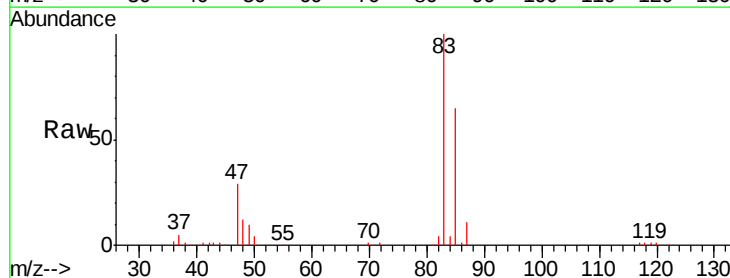
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

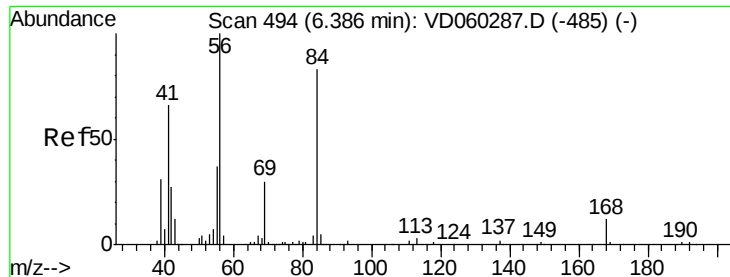
Tgt Ion: 42 Resp: 215868
Ion Ratio Lower Upper
42 100
72 33.3 27.6 41.4
71 33.4 26.5 39.7



#30
Chloroform
Concen: 21.45 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

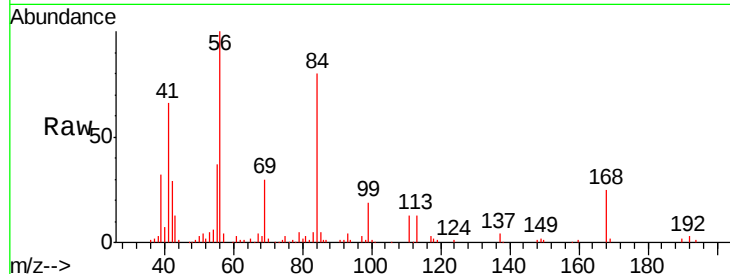




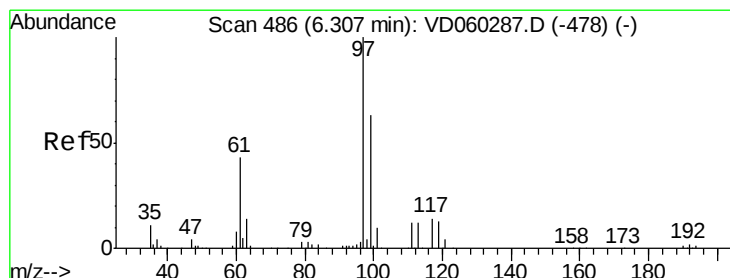
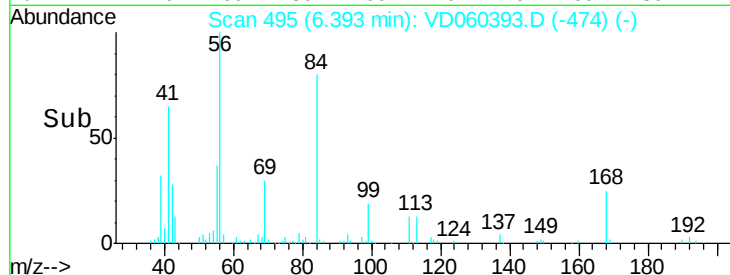
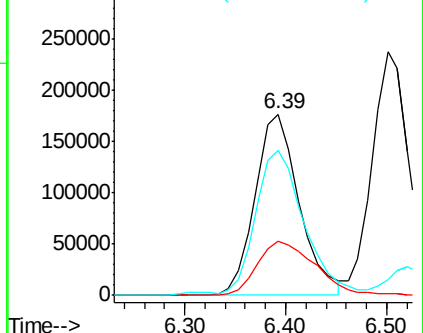
#31
Cyclohexane
Concen: 20.55 ug/l
RT: 6.39 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

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

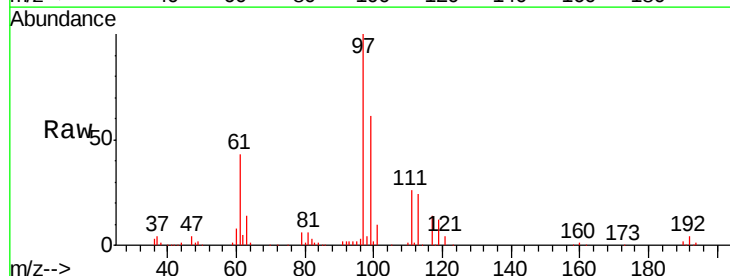


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

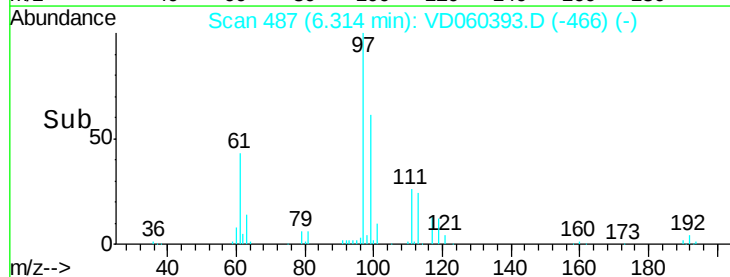
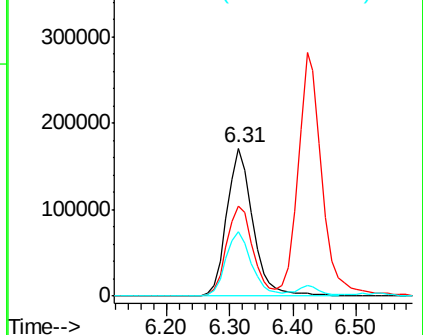


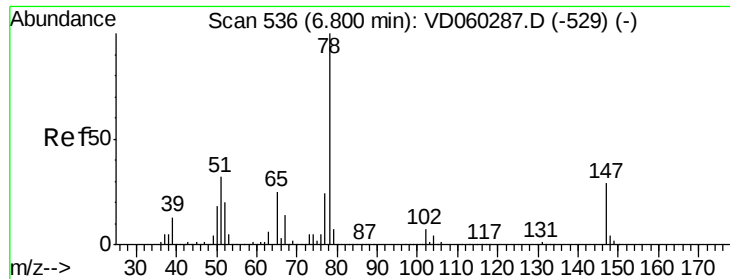
#32
1,1,1-Trichloroethane
Concen: 21.31 ug/l
RT: 6.31 min Scan# 487
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

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



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





#33

1,2-Dichloroethane-d4

Concen: 21.31 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 :

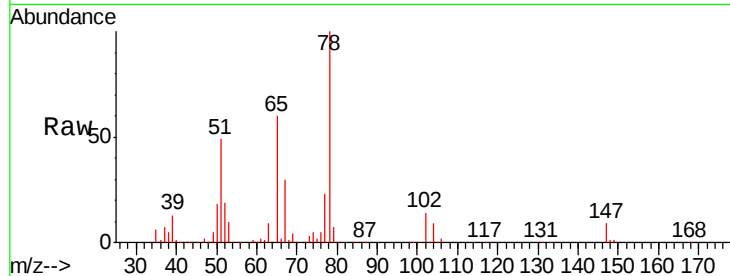
VD1116SBSD01

Tgt Ion: 65 Resp: 552279

Ion Ratio Lower Upper

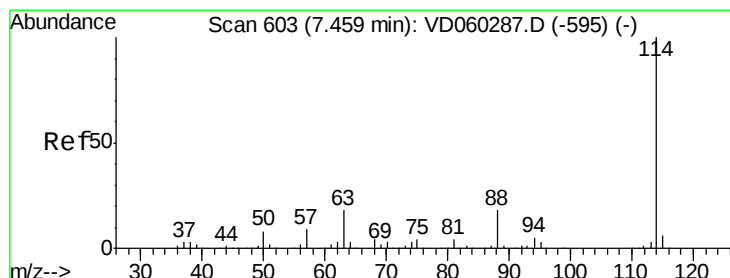
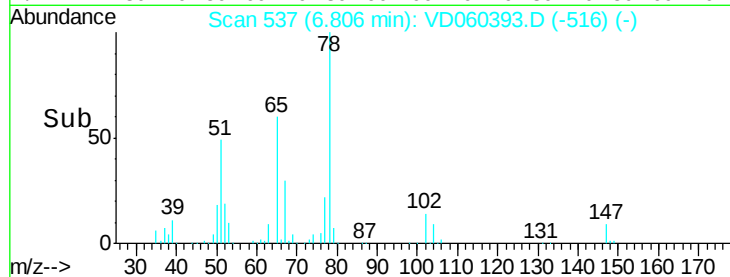
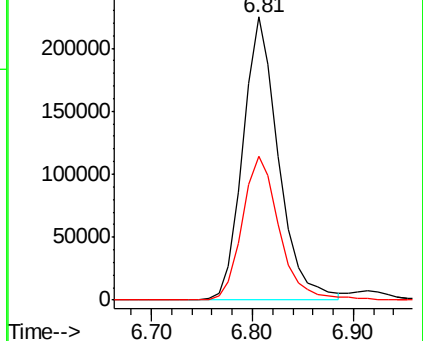
65 100

67 50.7 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

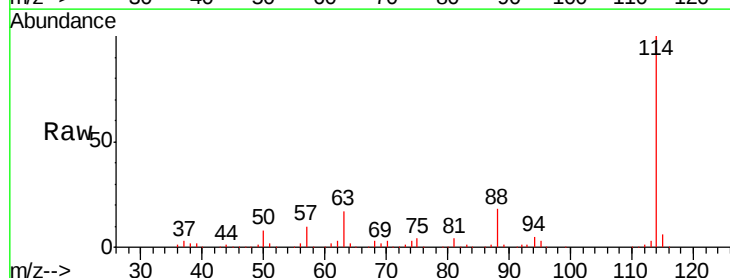
Tgt Ion: 114 Resp: 2078394

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.0

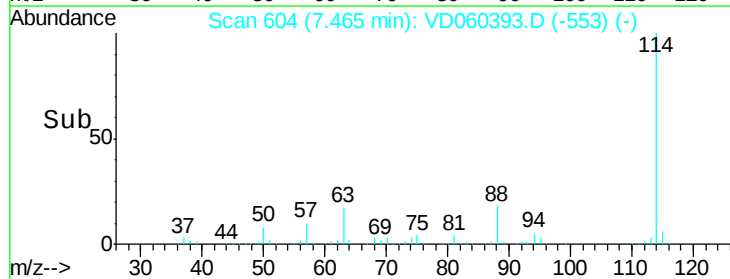
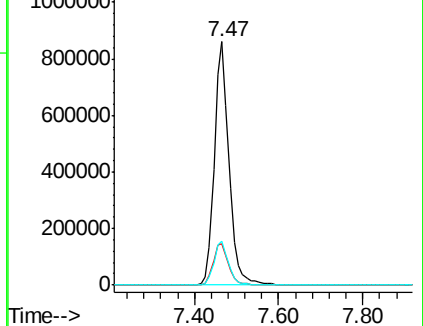
88 17.9 0.0 35.4

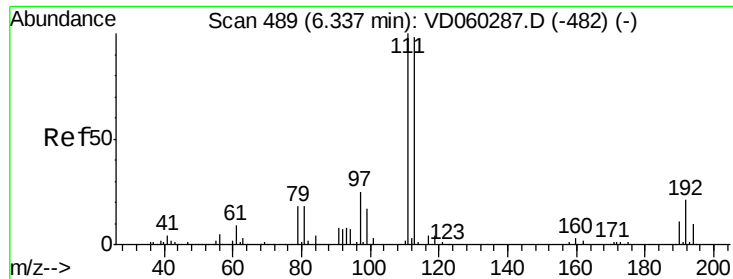


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

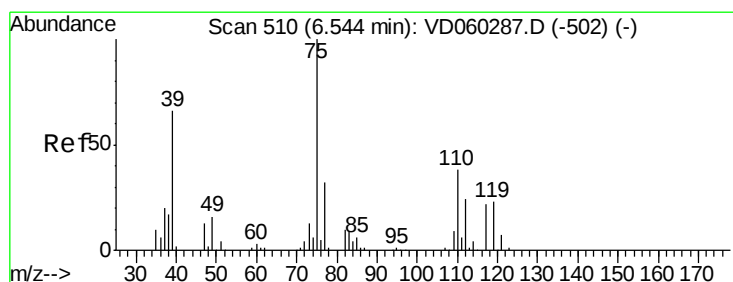
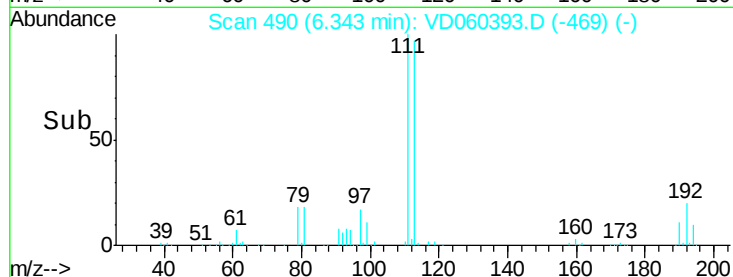
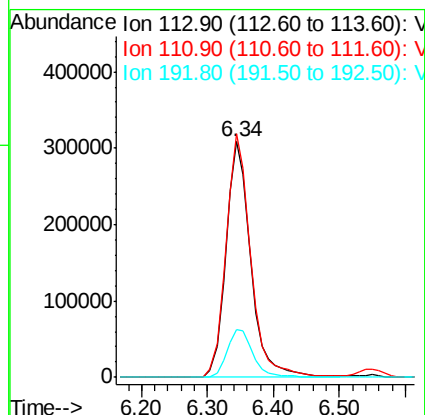
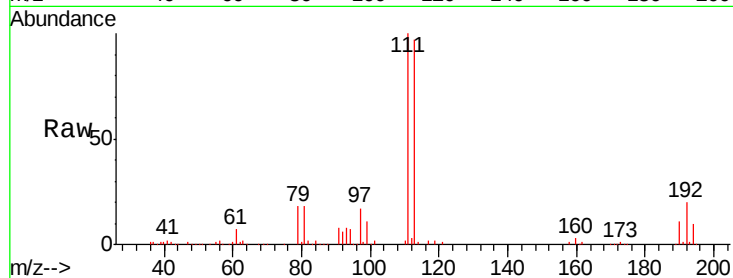




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

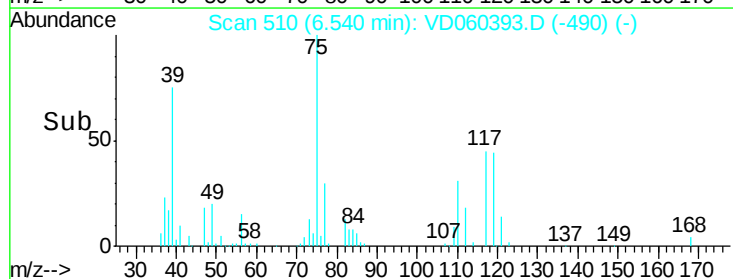
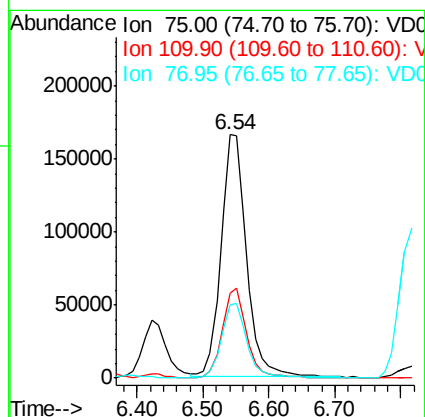
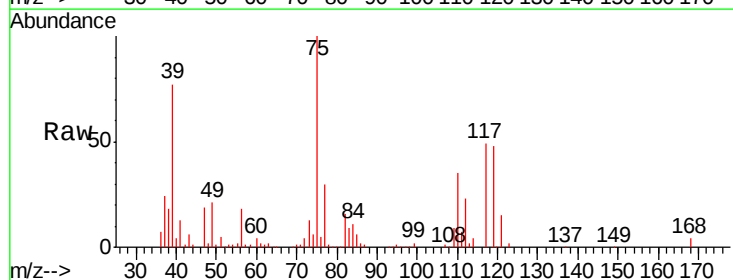
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

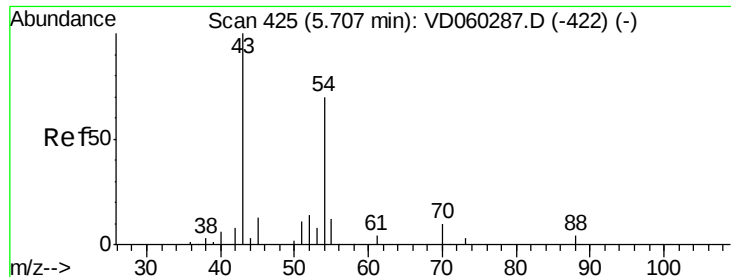
Tgt Ion:113 Resp: 815498
Ion Ratio Lower Upper
113 100
111 103.2 81.6 122.4
192 20.2 16.5 24.7



#36
1,1-Dichloropropene
Concen: 21.79 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

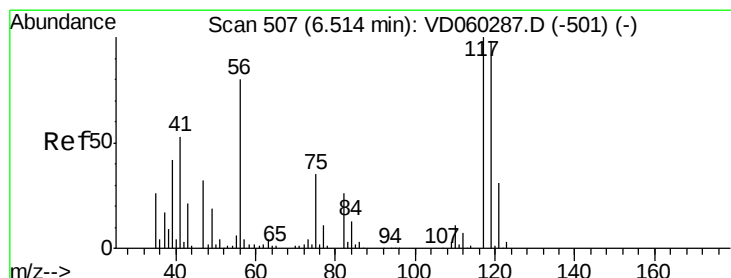
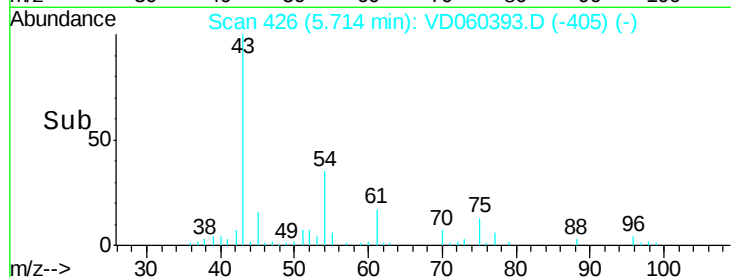
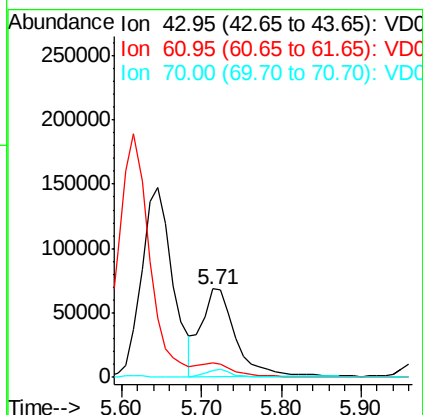
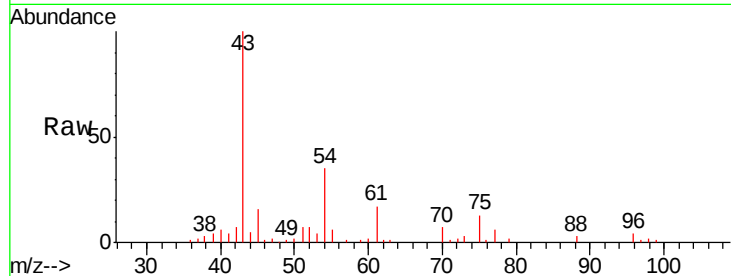




#37
Ethyl Acetate
Concen: 21.42 ug/l
RT: 5.71 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

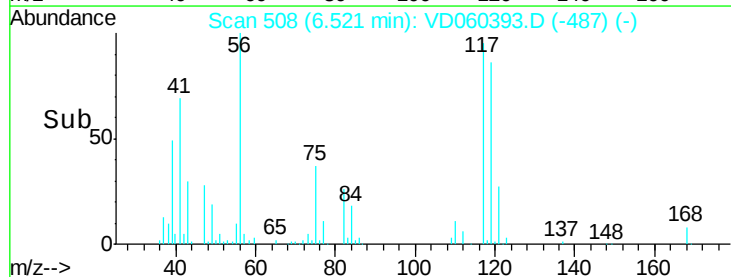
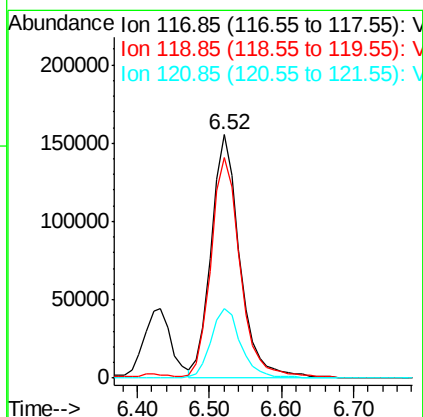
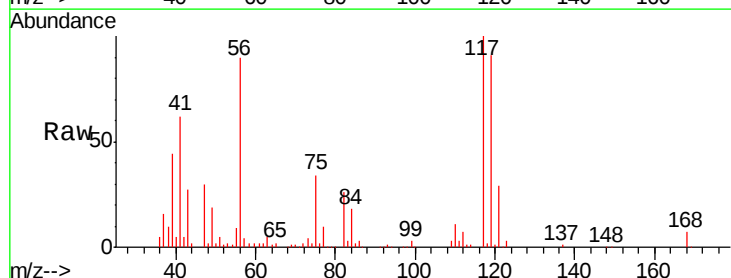
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

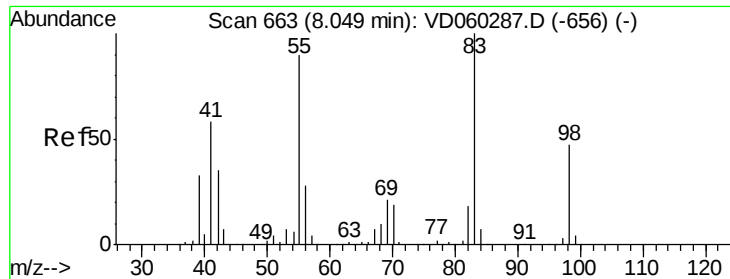
Tgt Ion: 43 Resp: 202382
Ion Ratio Lower Upper
43 100
61 17.1 11.8 17.6
70 7.4 6.2 9.4



#38
Carbon Tetrachloride
Concen: 22.07 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

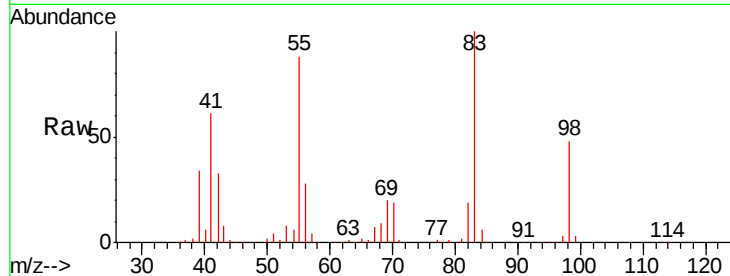




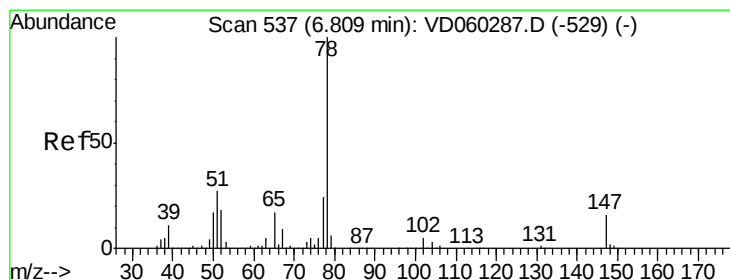
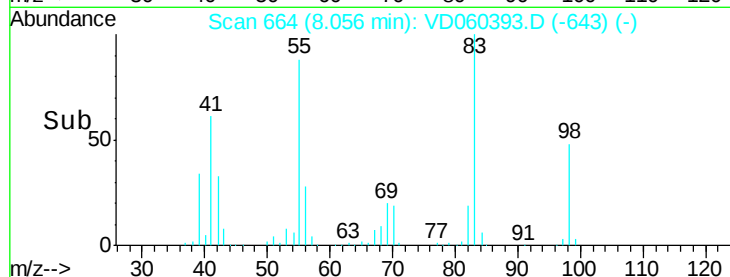
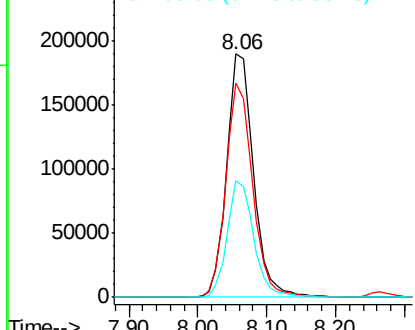
#39
Methylcyclohexane
Concen: 21.79 ug/l
RT: 8.06 min Scan# 664
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

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

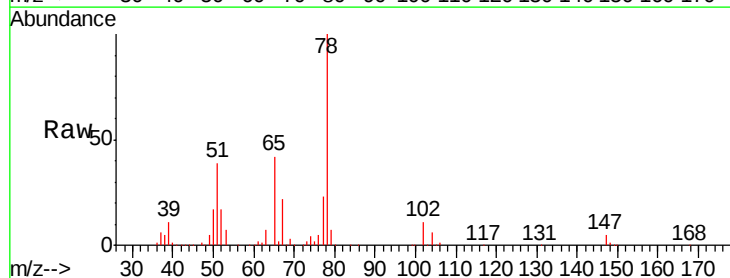


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

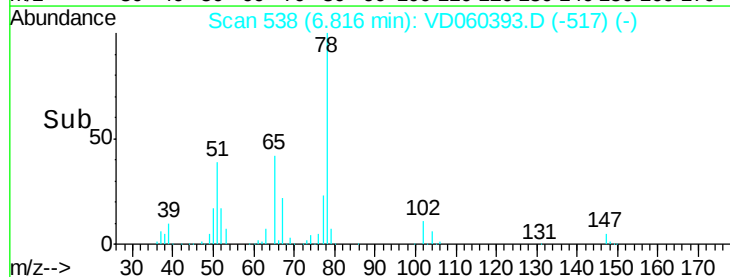
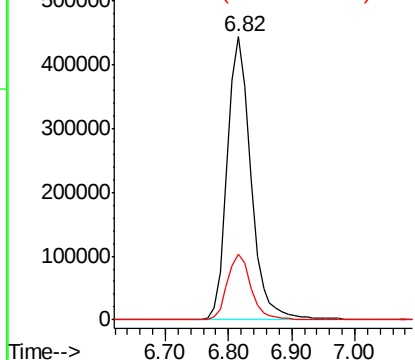


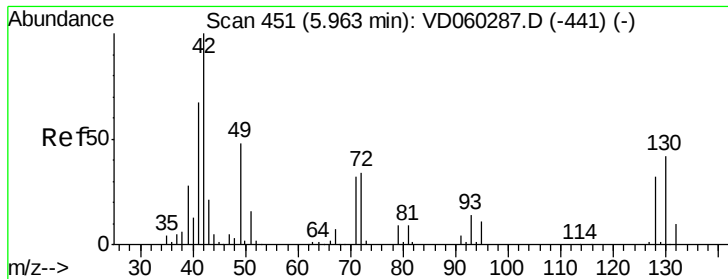
#40
Benzene
Concen: 22.09 ug/l
RT: 6.82 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

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: 21.71 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 :

VD1116SBS01

Tgt Ion: 41 Resp: 234796

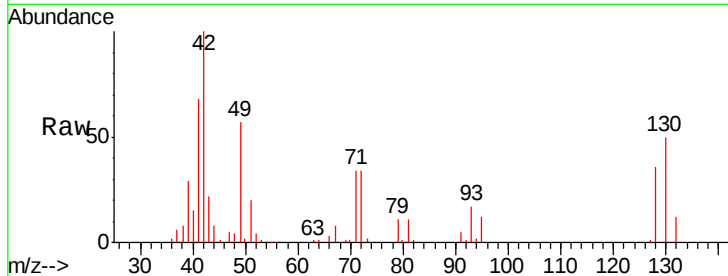
Ion Ratio Lower Upper

41 100

39 42.5 36.2 54.2

67 11.3 11.9 17.9#

52 6.1 5.2 7.8

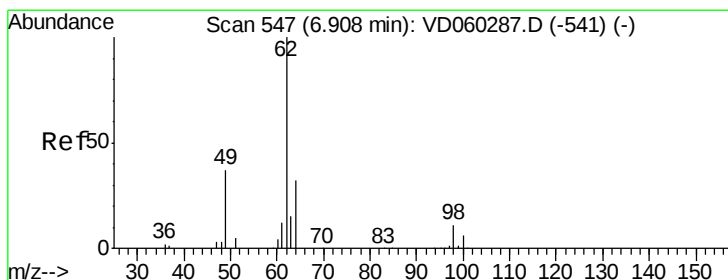
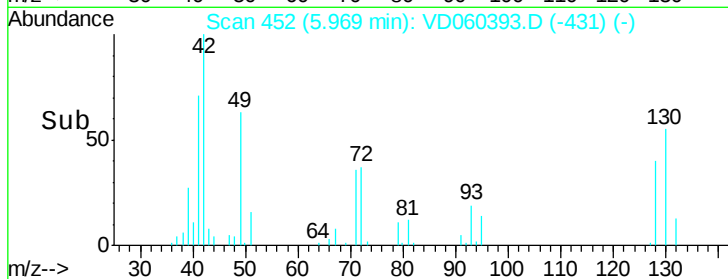
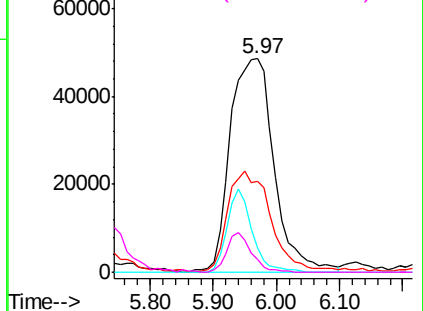


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.16 ug/l

RT: 6.91 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD060393.D

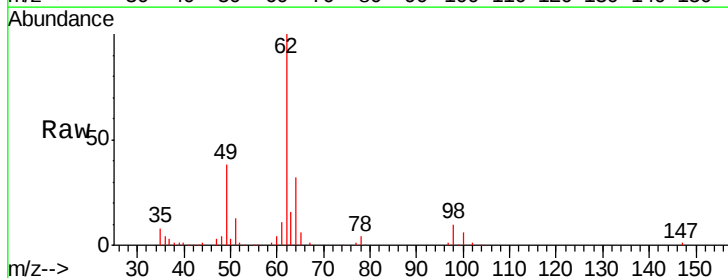
Acq: 16 Nov 2018 12:53

Tgt Ion: 62 Resp: 290307

Ion Ratio Lower Upper

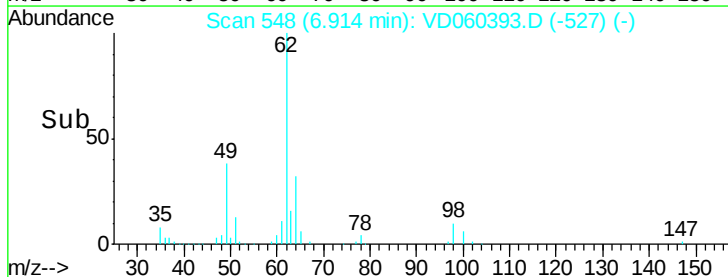
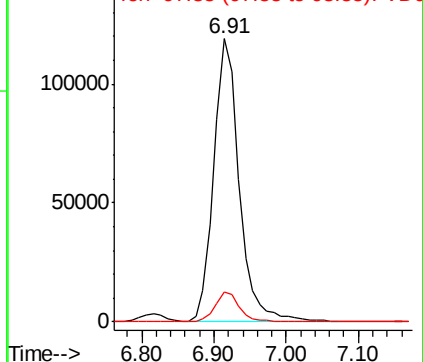
62 100

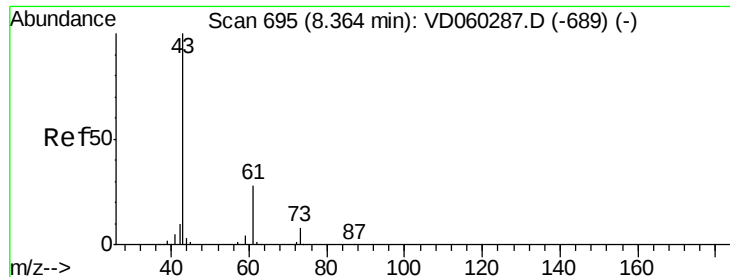
98 10.5 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



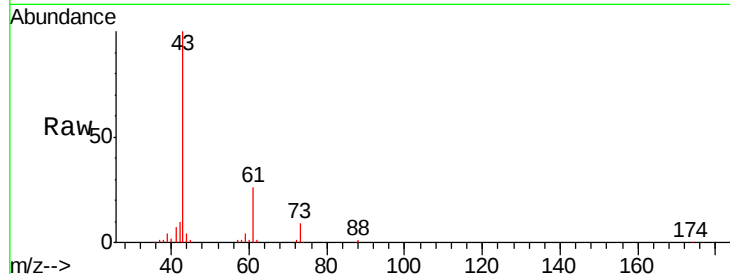


#43

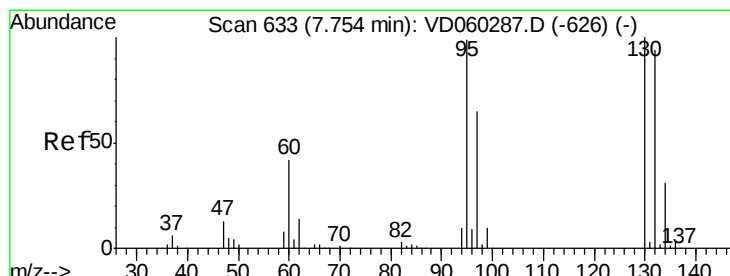
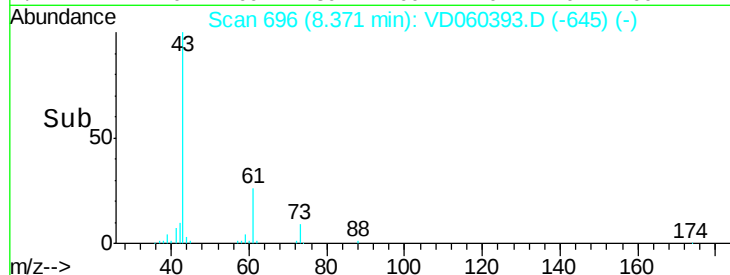
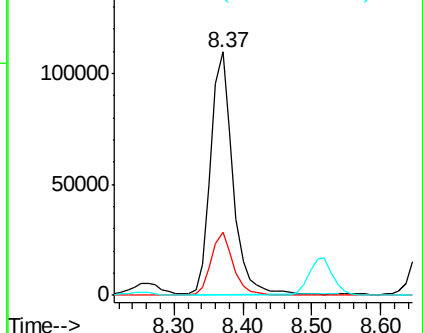
Isopropyl Acetate
 Concen: 20.58 ug/l
 RT: 8.37 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

Tgt Ion: 43 Resp: 244202
 Ion Ratio Lower Upper
 43 100
 61 25.8 22.3 33.5
 87 0.0 0.2 0.2#



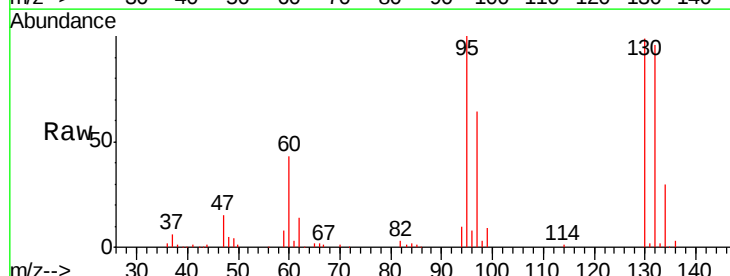
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



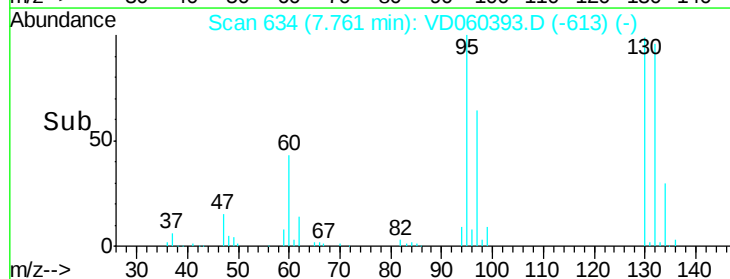
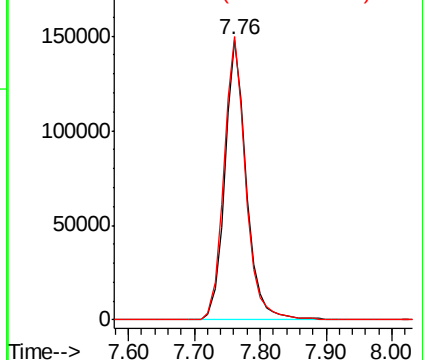
#44

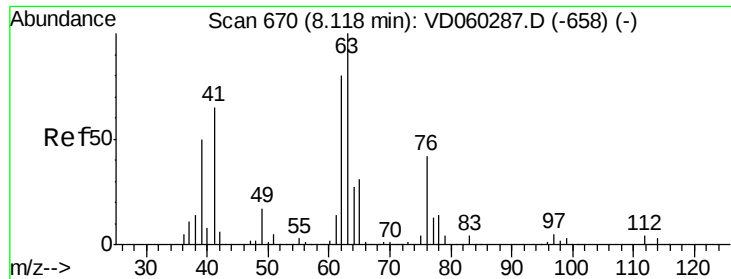
Trichloroethene
 Concen: 21.30 ug/l
 RT: 7.76 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

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: 21.51 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 :

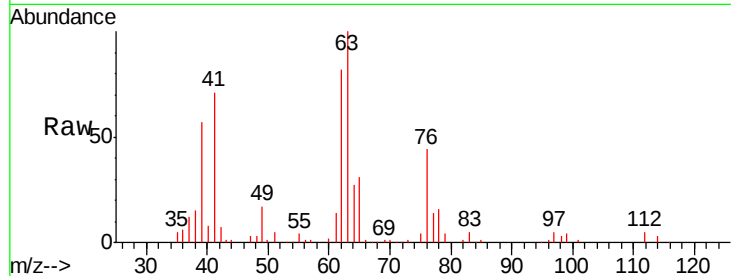
VD1116SBS01

Tgt 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

8.12

120000

100000

80000

60000

40000

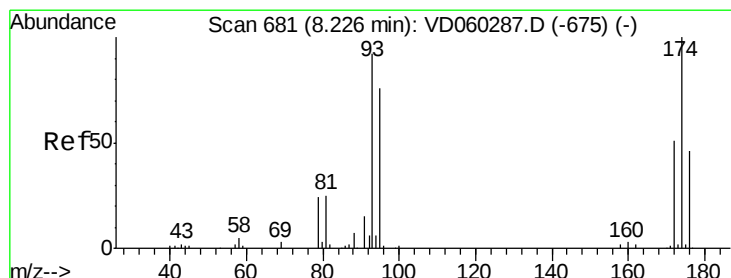
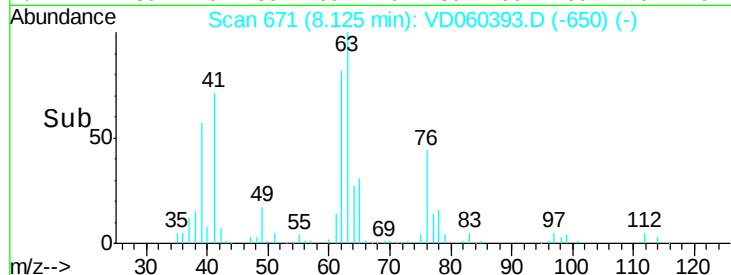
20000

0

Time-->

8.00

8.20



#46

Dibromomethane

Concen: 21.21 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

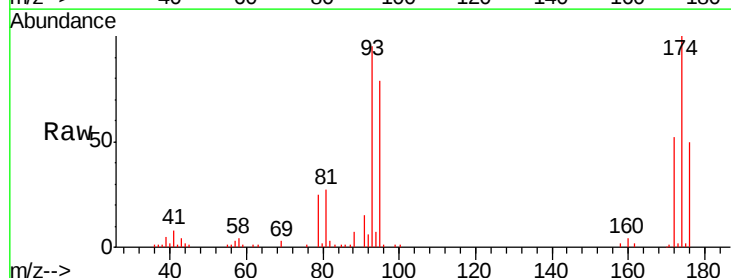
Tgt Ion: 93 Resp: 164221

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

100000

80000

60000

40000

20000

0

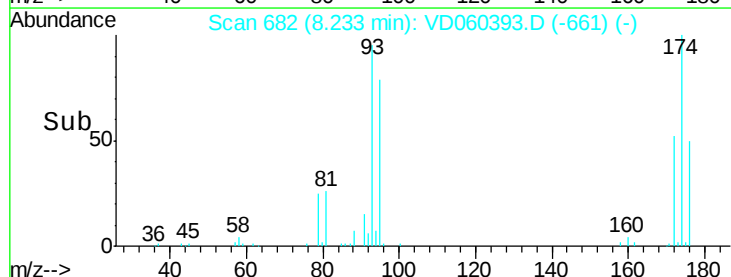
Time-->

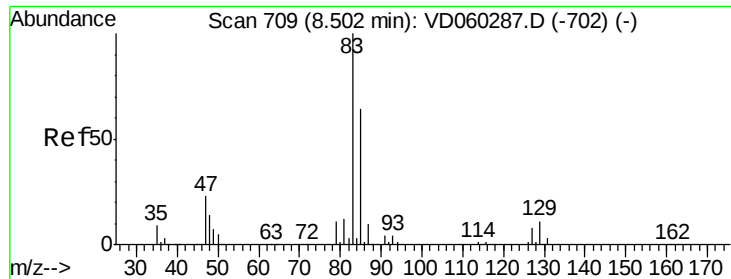
8.10

8.20

8.30

8.40





#47

Bromodichloromethane

Concen: 21.40 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

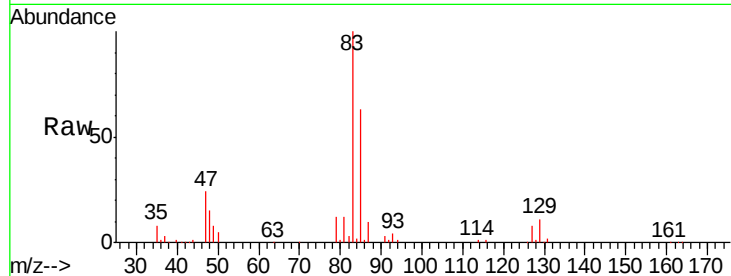
Tgt Ion: 83 Resp: 390517

Ion Ratio Lower Upper

83 100

85 63.3 51.0 76.6

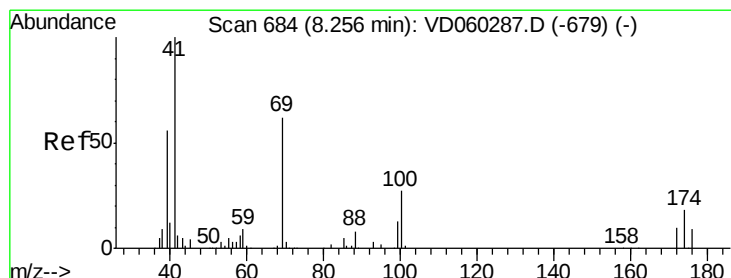
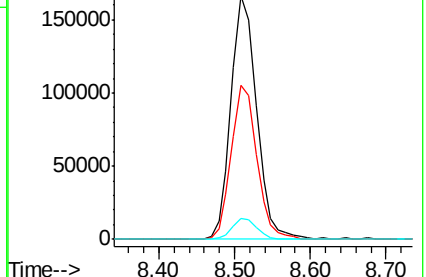
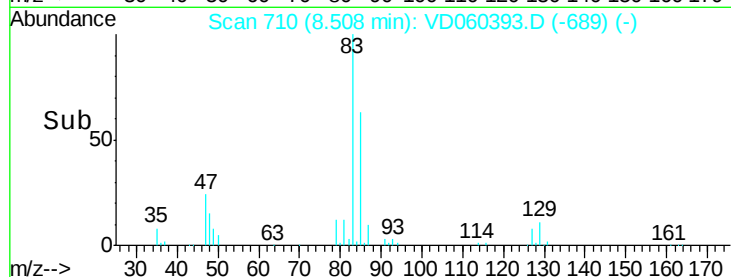
127 8.4 6.2 9.4



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: 21.12 ug/l

RT: 8.26 min Scan# 685

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

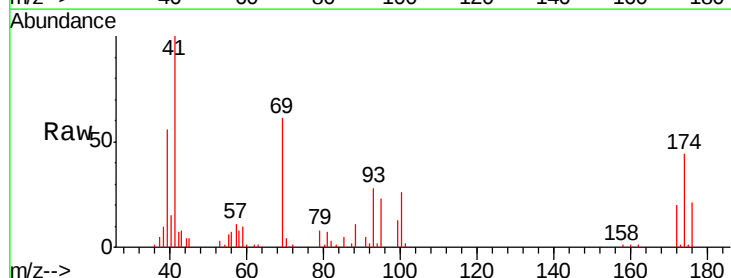
Tgt Ion: 41 Resp: 152264

Ion Ratio Lower Upper

41 100

69 60.9 47.0 70.4

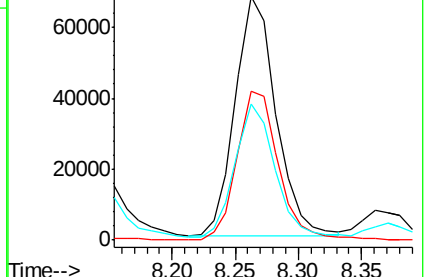
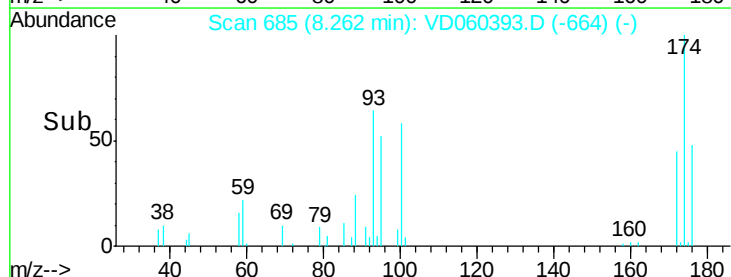
39 56.1 46.2 69.4

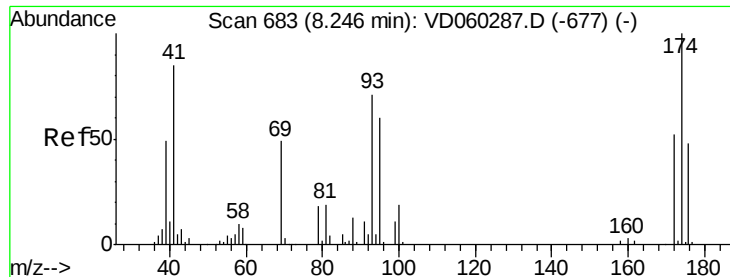


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 432.85 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

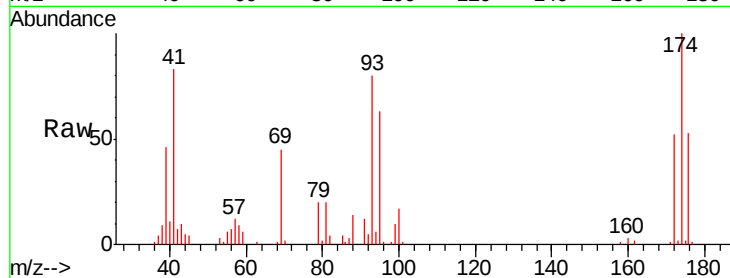
Tgt Ion: 88 Resp: 27000

Ion Ratio Lower Upper

88 100

43 69.2 39.7 59.5#

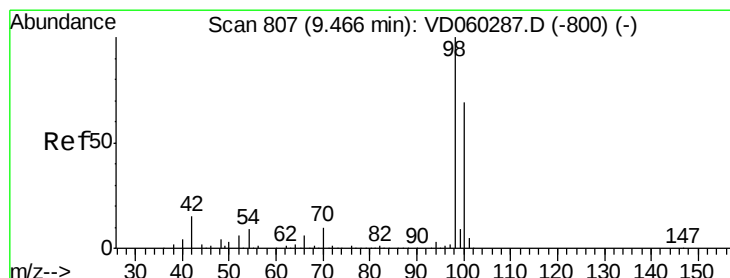
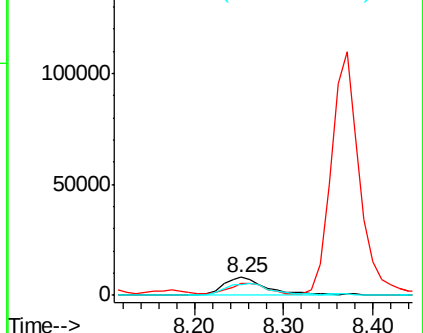
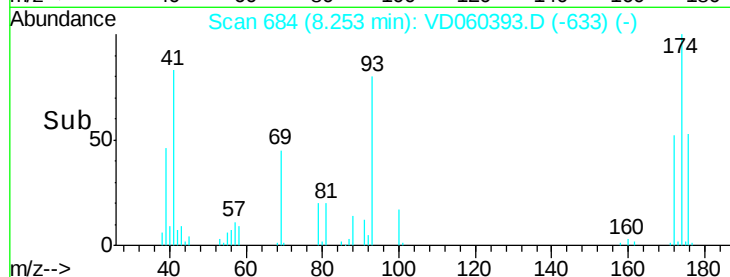
58 60.3 60.2 90.2



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: 432.85 ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060393.D

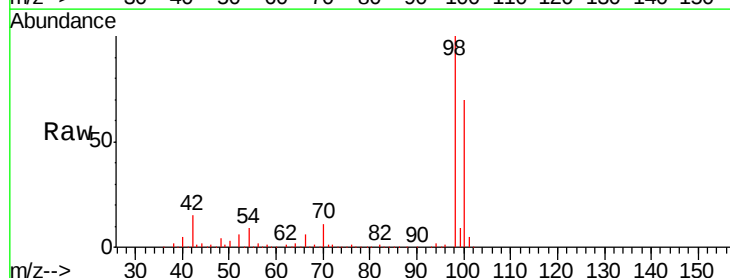
Acq: 16 Nov 2018 12:53

Tgt Ion: 98 Resp: 2341347

Ion Ratio Lower Upper

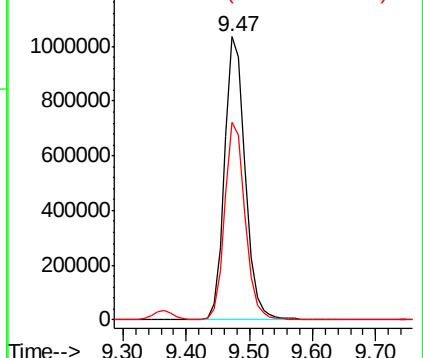
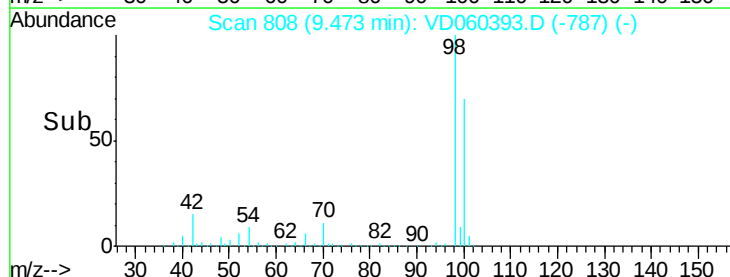
98 100

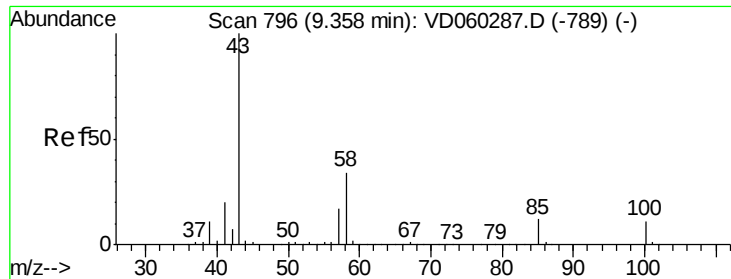
100 69.9 55.2 82.8



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: 108.18 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 :

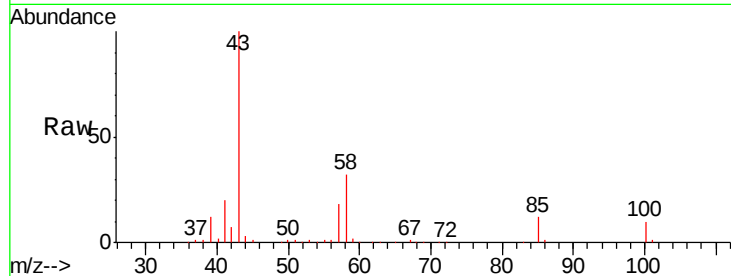
VD1116SBS01

Tgt Ion: 43 Resp: 835703

Ion Ratio Lower Upper

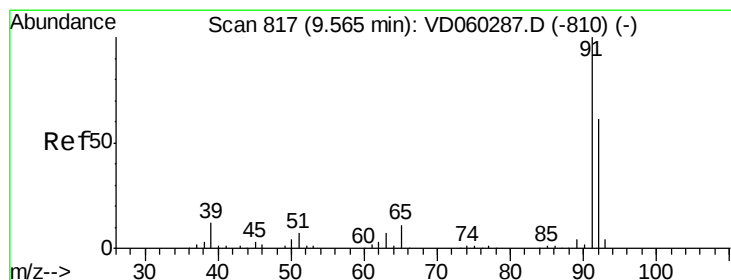
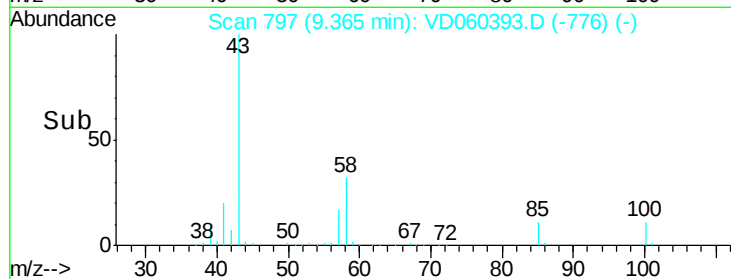
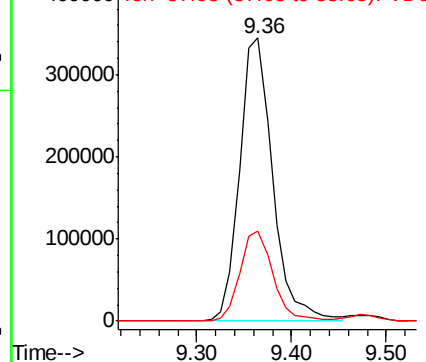
43 100

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



#52

Toluene

Concen: 22.32 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060393.D

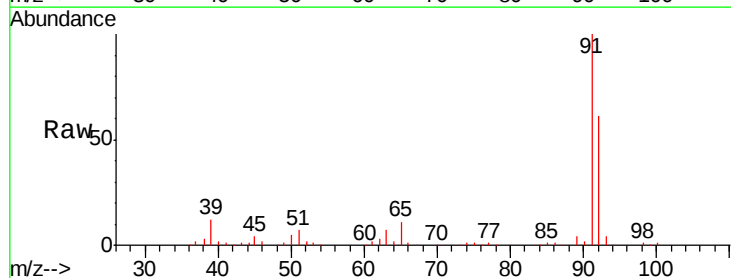
Acq: 16 Nov 2018 12:53

Tgt Ion: 92 Resp: 747146

Ion Ratio Lower Upper

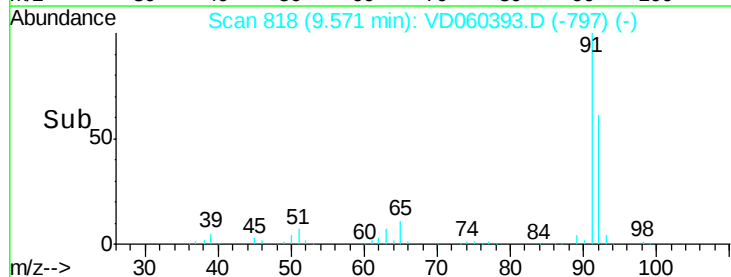
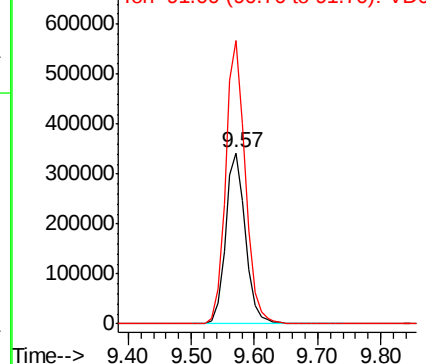
92 100

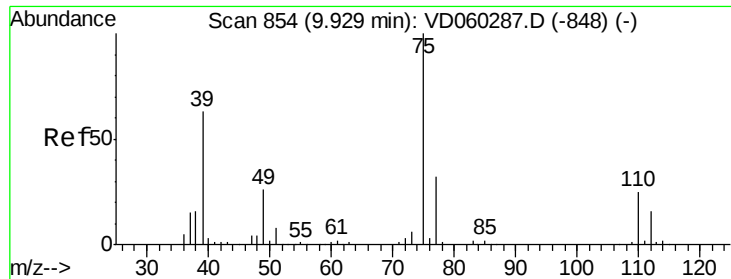
91 165.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

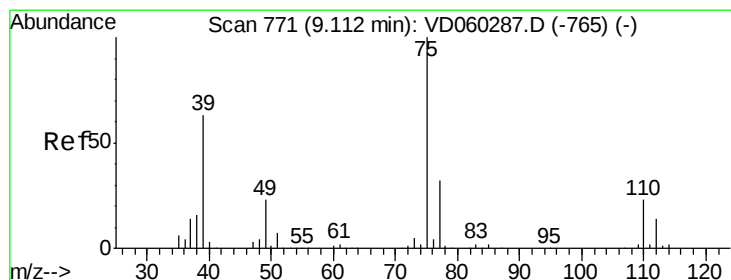
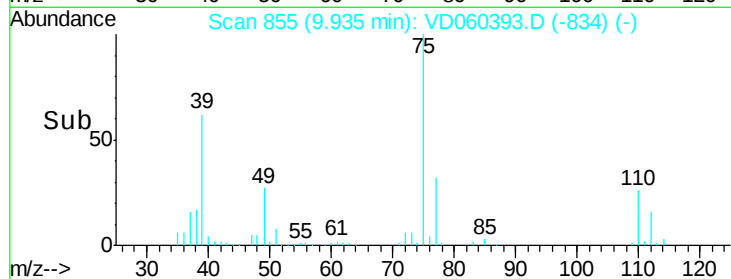
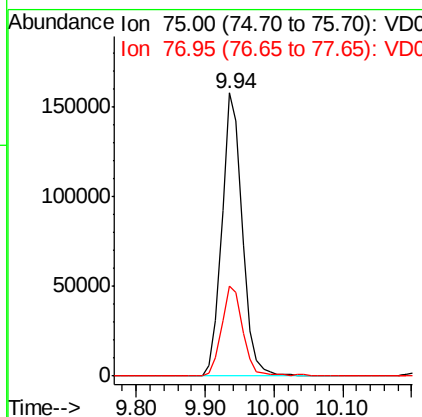
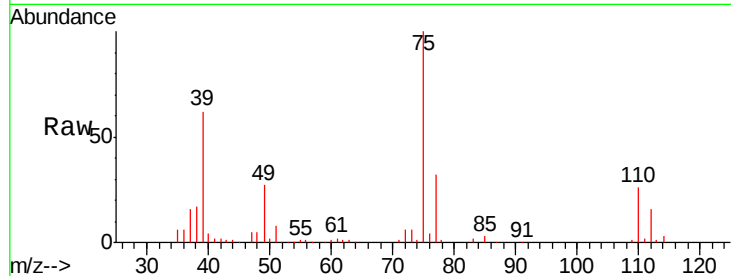




#53
 t-1,3-Dichloropropene
 Concen: 20.90 ug/l
 RT: 9.94 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

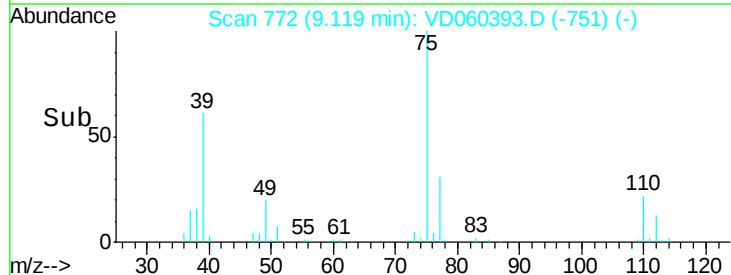
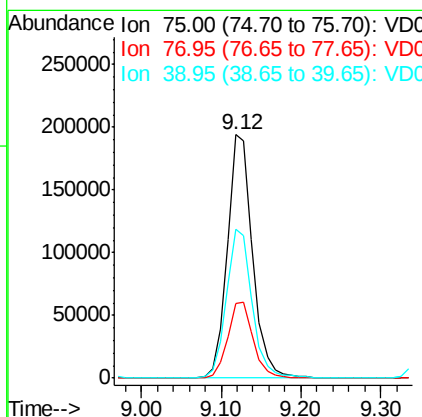
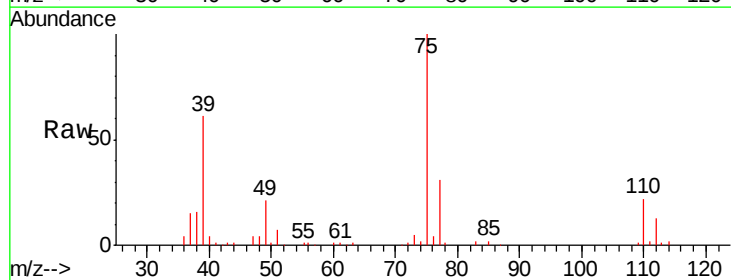
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

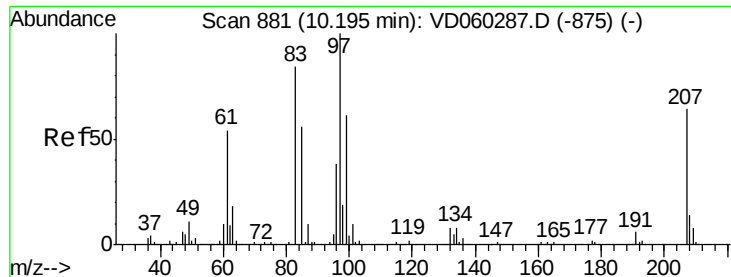
Tgt Ion: 75 Resp: 322118
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.84 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

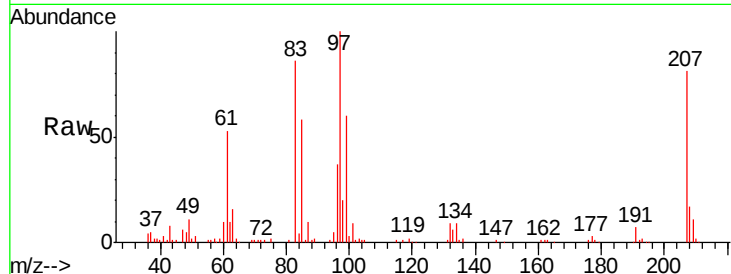




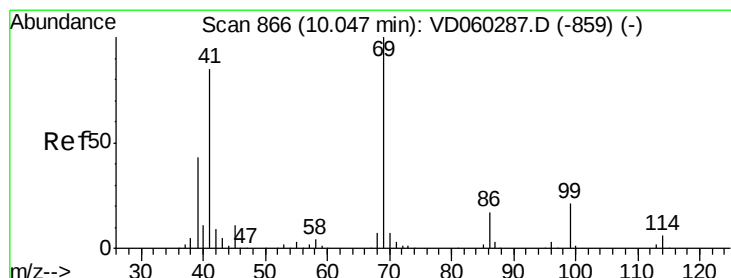
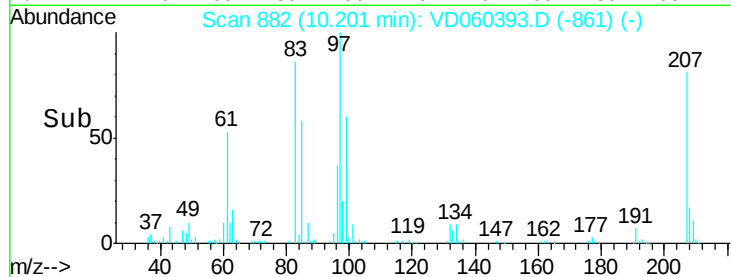
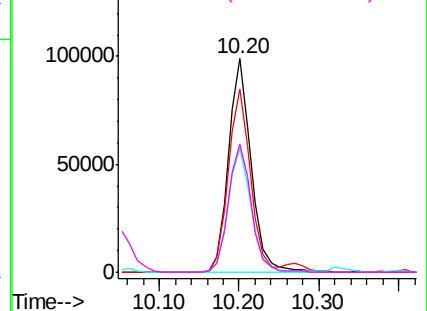
#55
 1,1,2-Trichloroethane
 Concen: 20.52 ug/l
 RT: 10.20 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Tgt 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

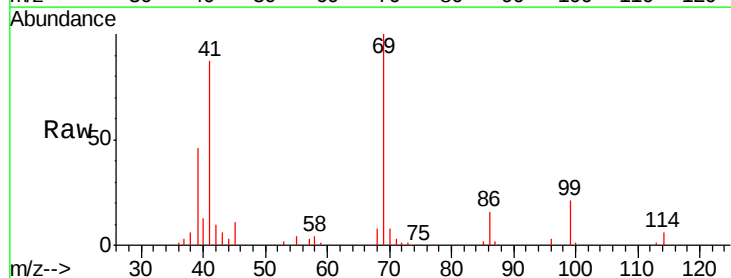


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

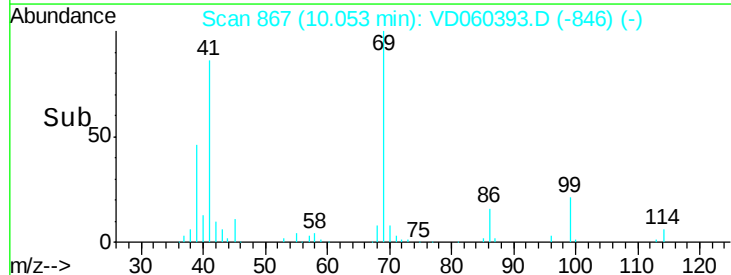
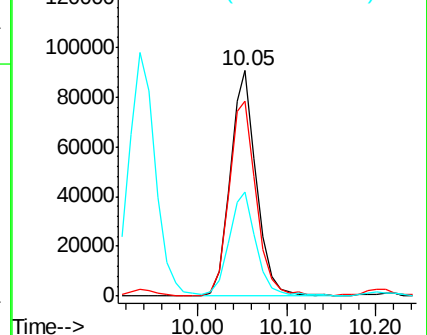


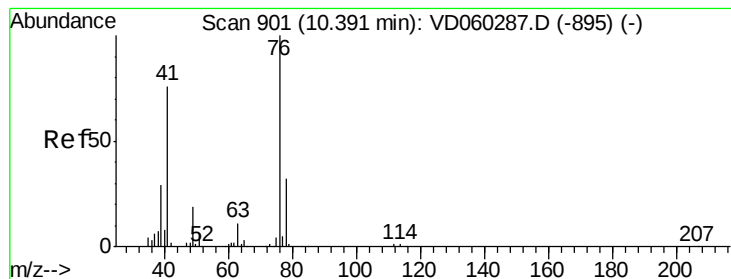
#56
 Ethyl methacrylate
 Concen: 20.84 ug/l
 RT: 10.05 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

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: 21.36 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 :

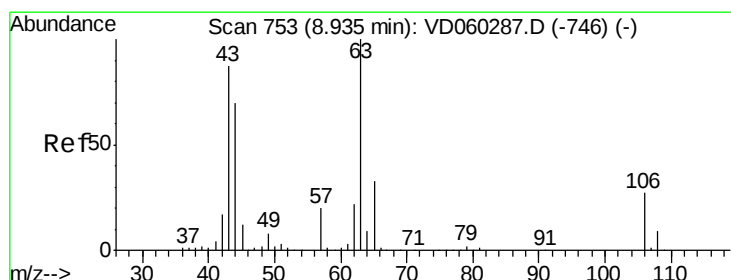
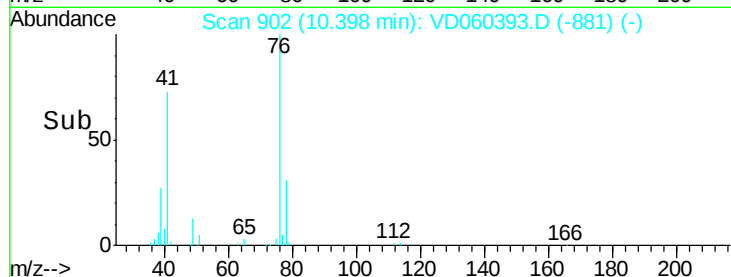
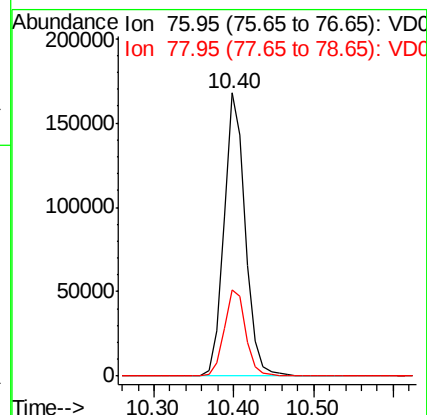
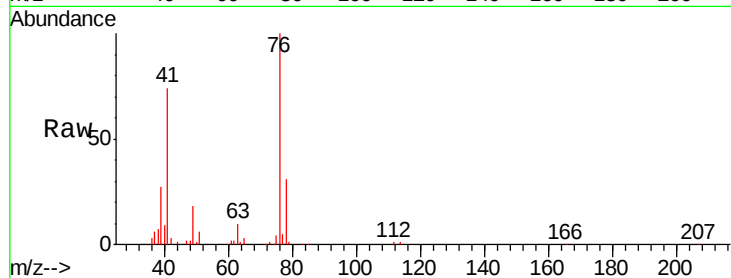
VD1116SBS01

Tgt Ion: 76 Resp: 315817

Ion Ratio Lower Upper

76 100

78 30.7 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 107.91 ug/l

RT: 8.94 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD060393.D

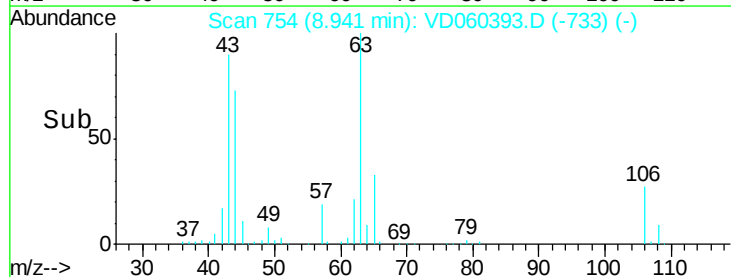
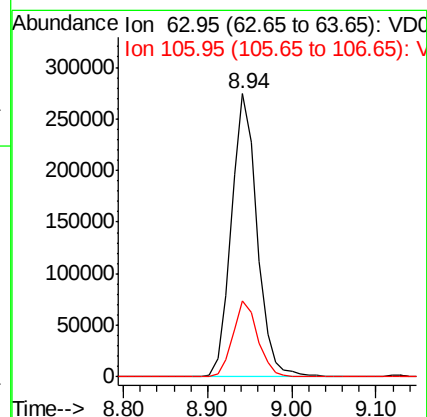
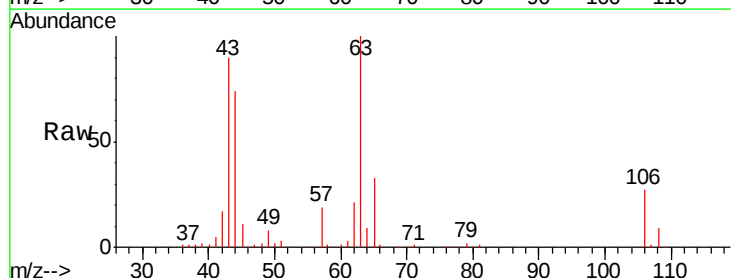
Acq: 16 Nov 2018 12:53

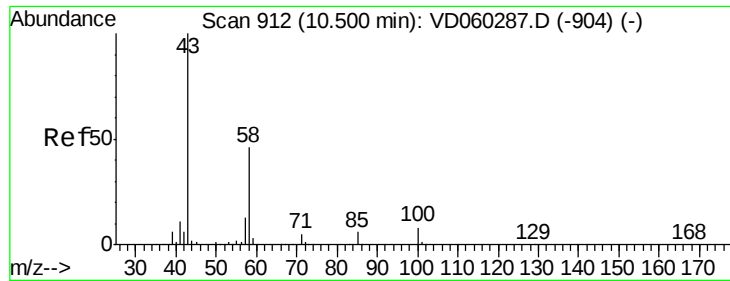
Tgt Ion: 63 Resp: 582176

Ion Ratio Lower Upper

63 100

106 27.0 21.5 32.3

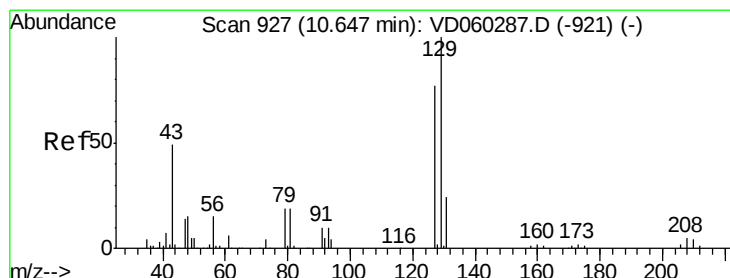
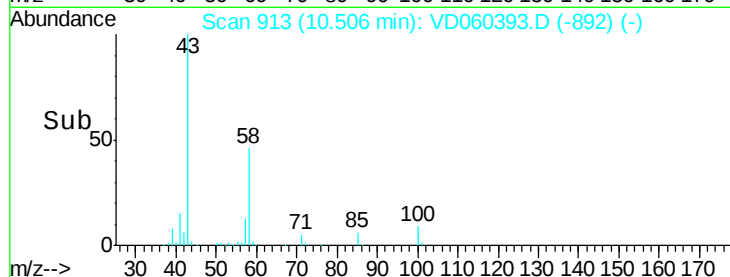
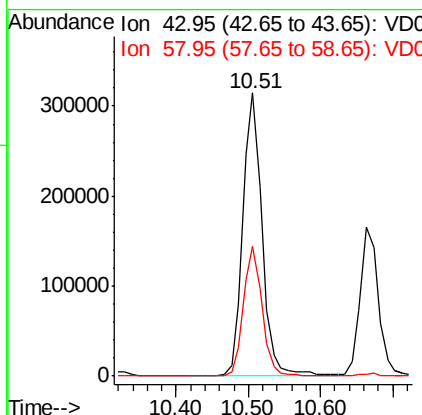
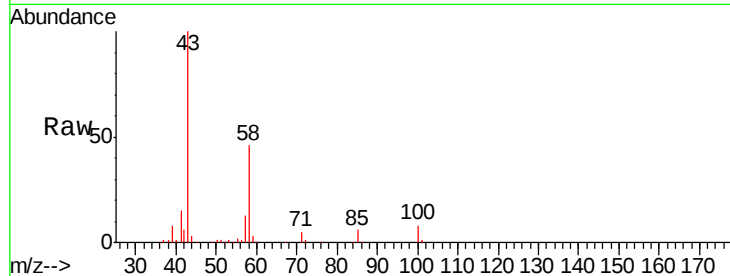




#59
2-Hexanone
Concen: 107.39 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

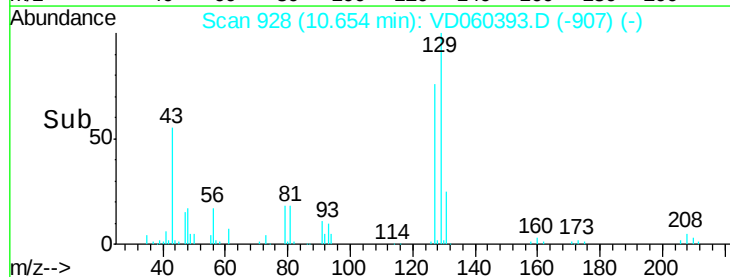
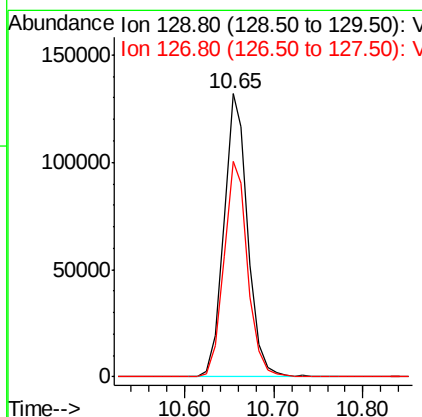
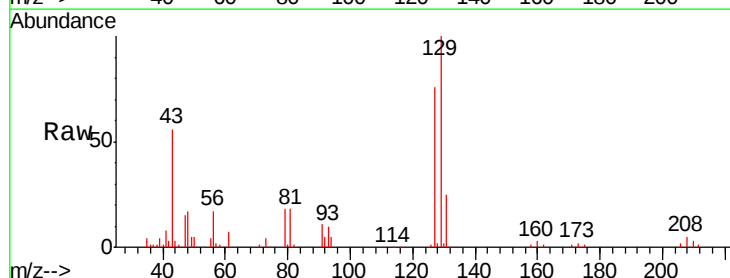
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

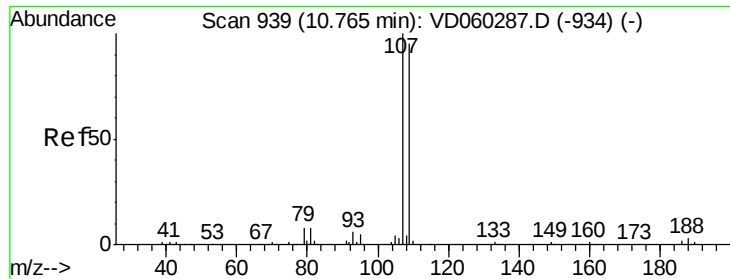
Tgt Ion: 43 Resp: 591252
Ion Ratio Lower Upper
43 100
58 45.8 22.9 68.5



#60
Dibromochloromethane
Concen: 21.02 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

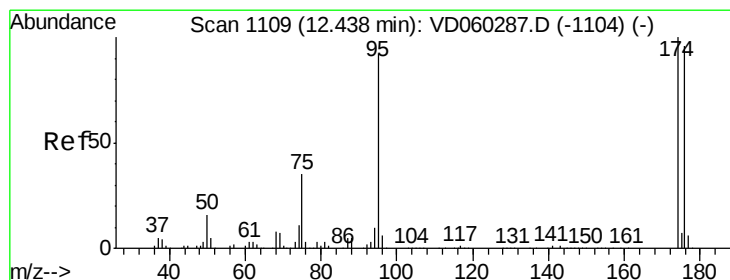
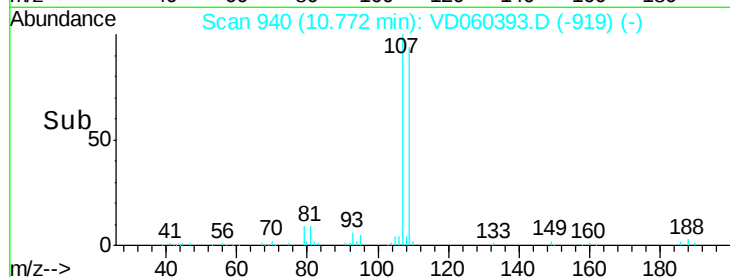
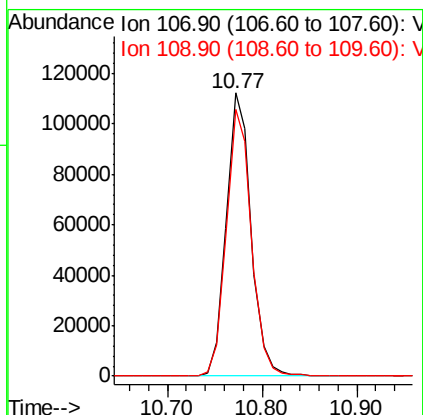
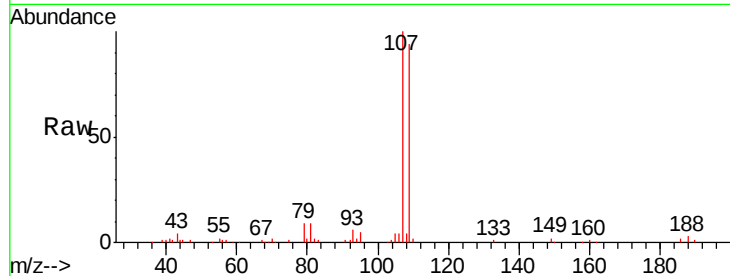




#61
 1,2-Dibromoethane
 Concen: 20.87 ug/l
 RT: 10.77 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

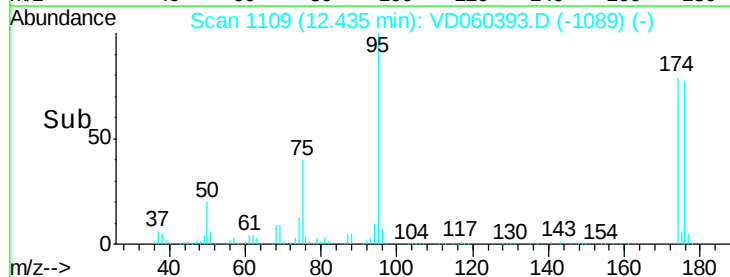
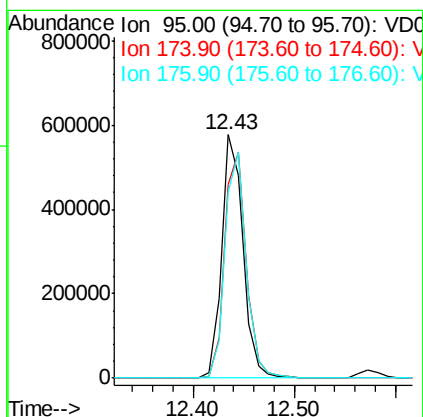
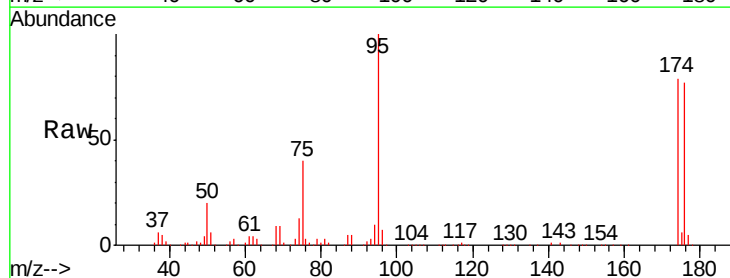
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

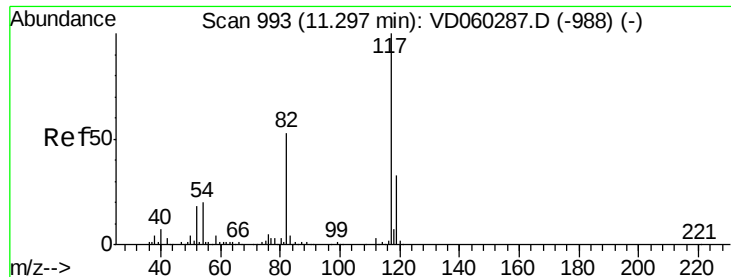
Tgt Ion: 107 Resp: 202928
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 20.87 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

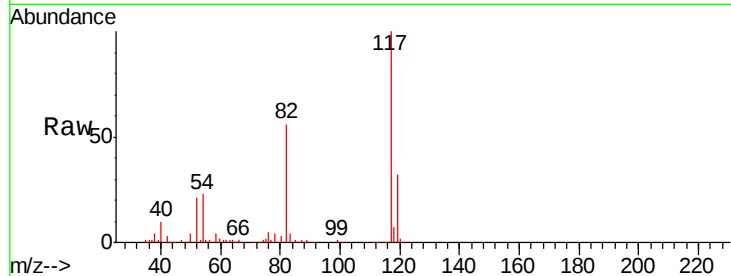




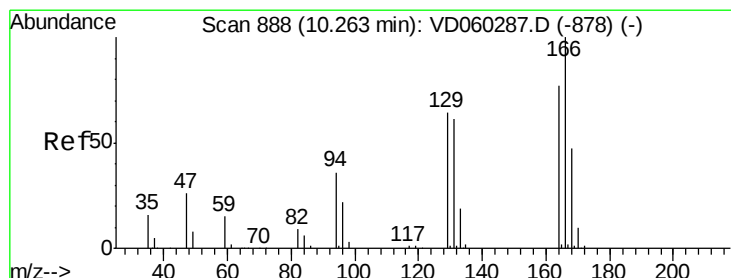
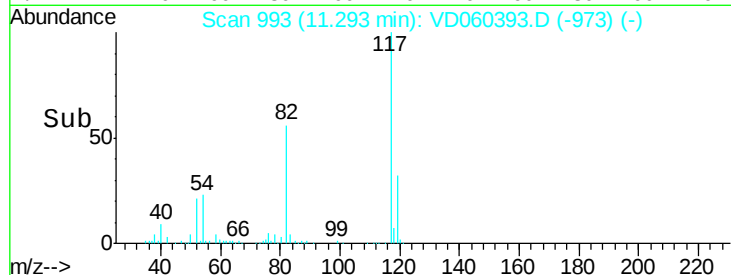
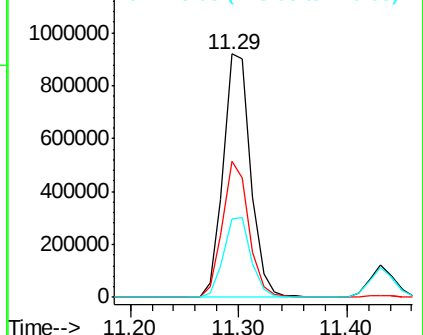
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

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



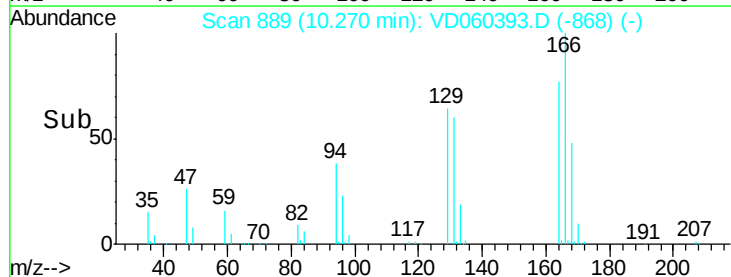
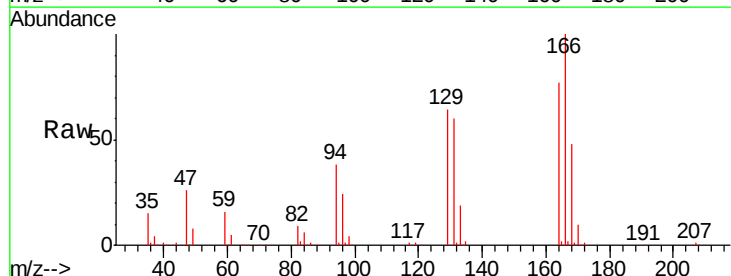
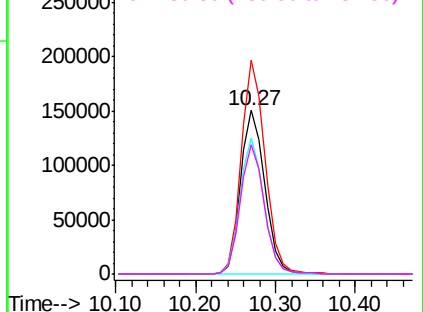
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

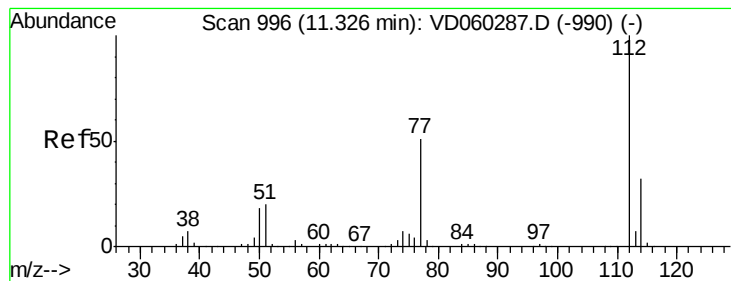


#64
Tetrachloroethene
Concen: 21.62 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

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: 22.21 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 :

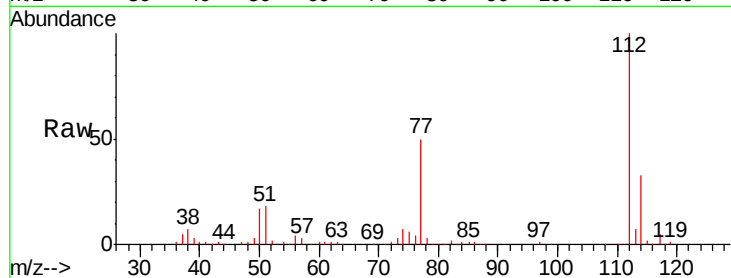
VD1116SBSD01

Tgt Ion:112 Resp: 784959

Ion Ratio Lower Upper

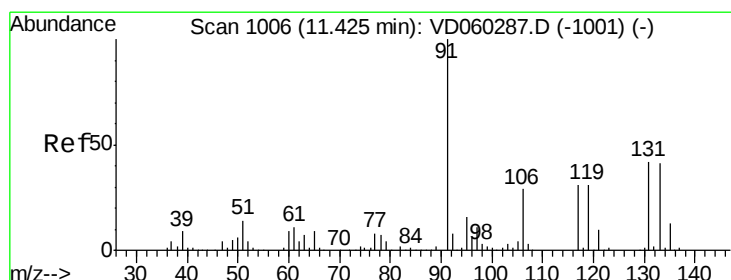
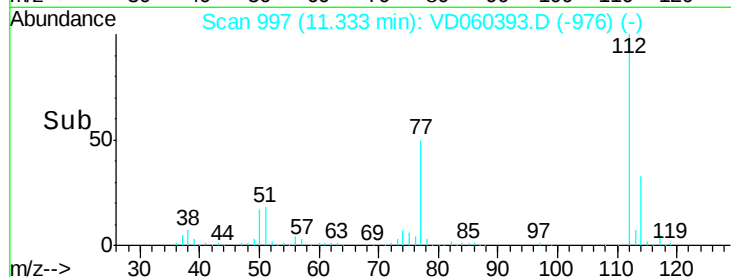
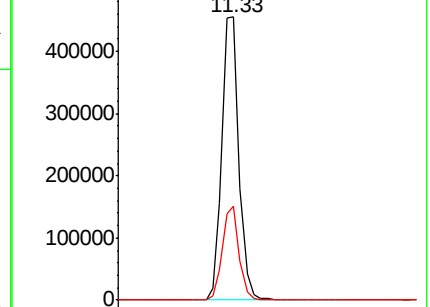
112 100

114 33.0 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.99 ug/l

RT: 11.43 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

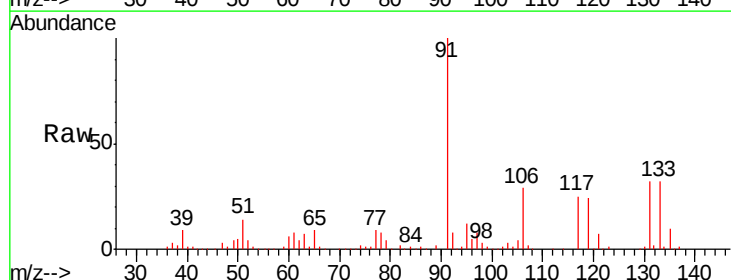
Tgt Ion:131 Resp: 254238

Ion Ratio Lower Upper

131 100

133 98.7 50.0 150.0

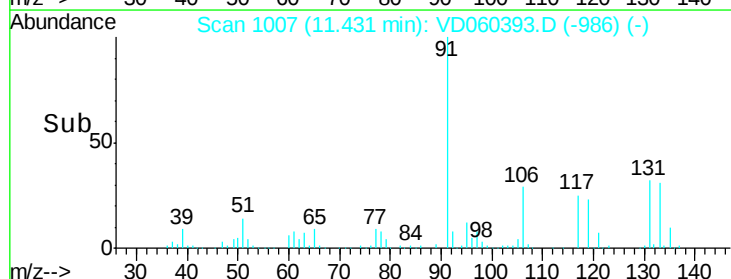
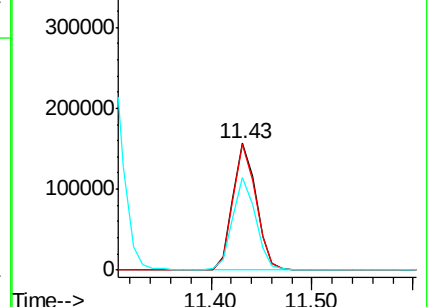
119 73.4 37.0 111.1

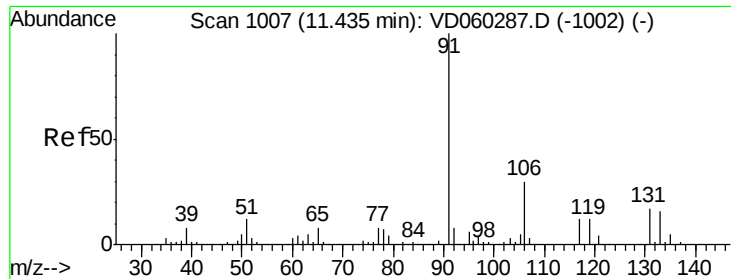


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

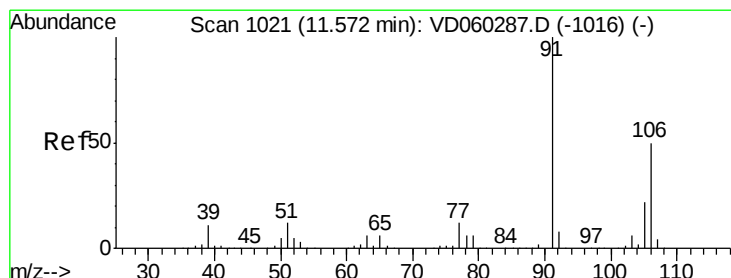
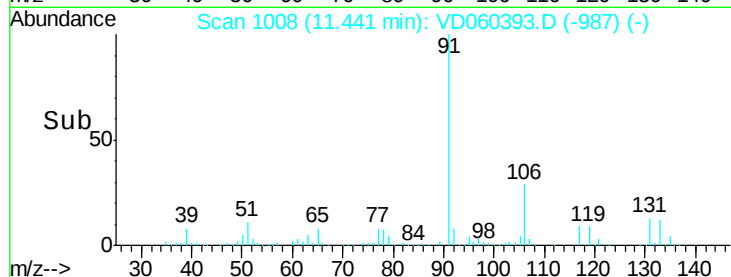
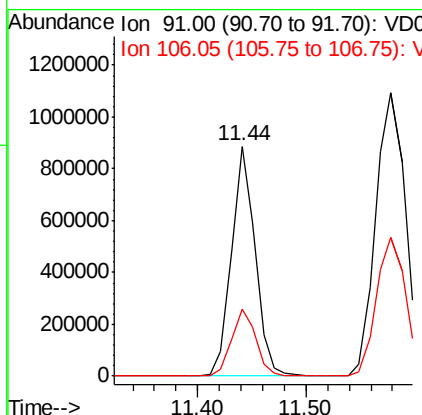
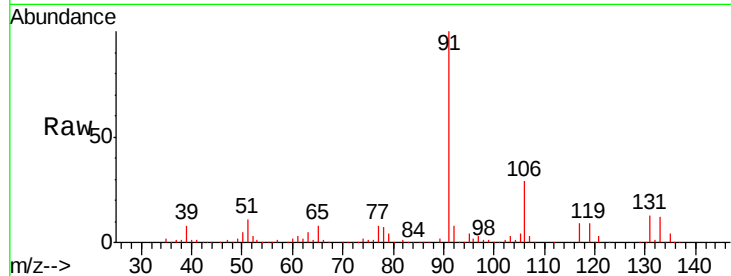




#67
Ethyl Benzene
Concen: 22.37 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

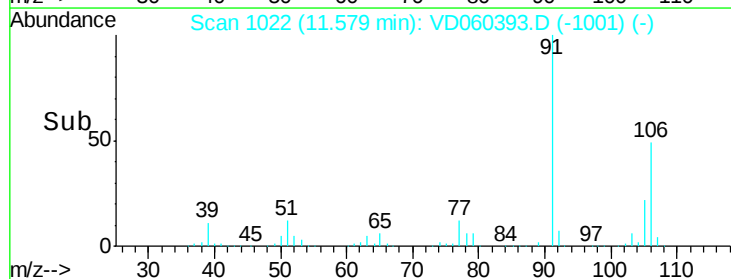
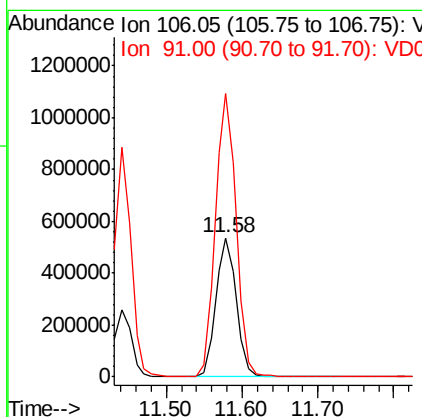
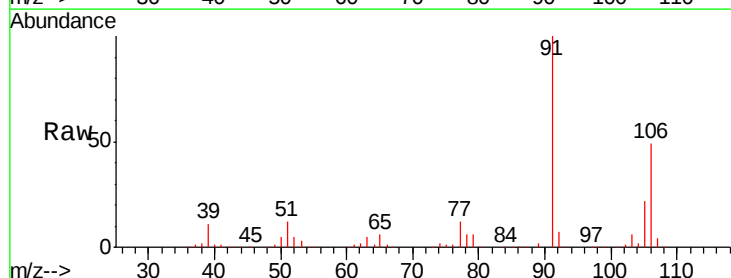
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

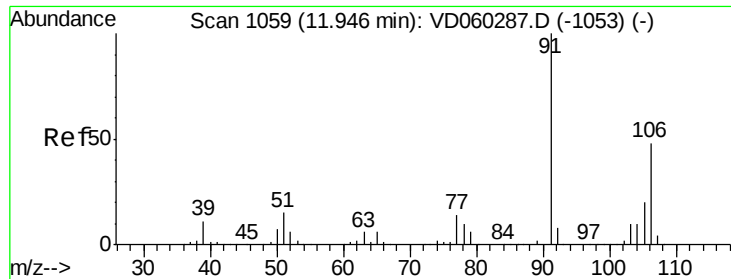
Tgt Ion: 91 Resp: 1352204
Ion Ratio Lower Upper
91 100
106 29.2 24.6 36.8



#68
m/p-Xylenes
Concen: 45.45 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

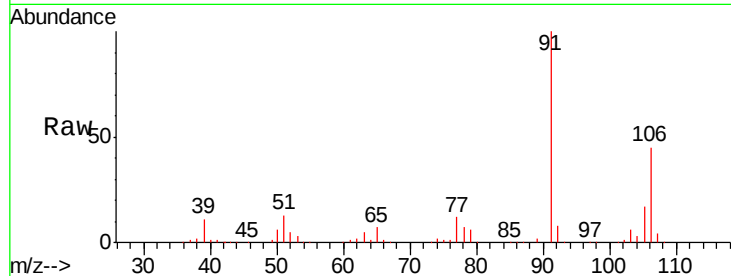




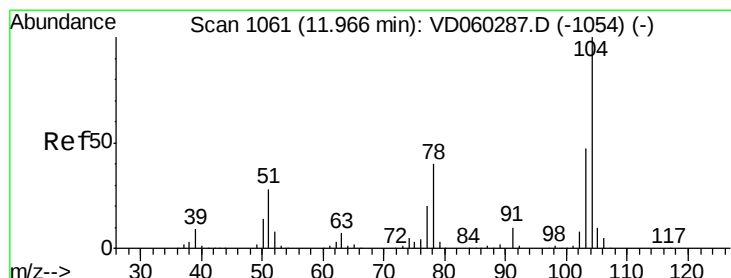
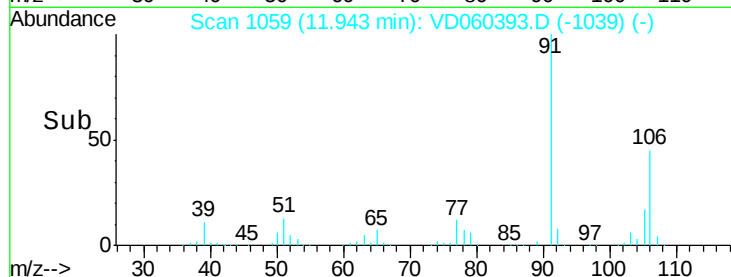
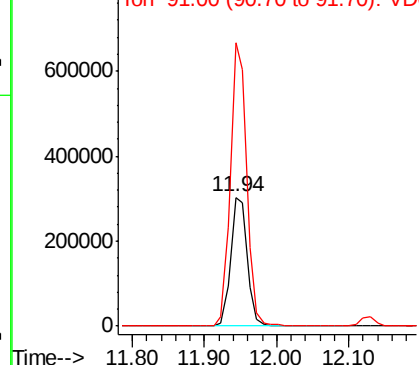
#69
o-Xylene
Concen: 22.48 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

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

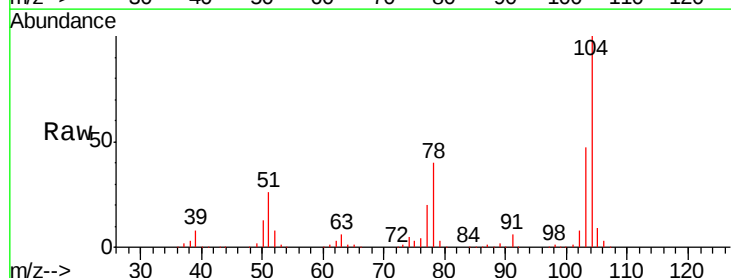


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

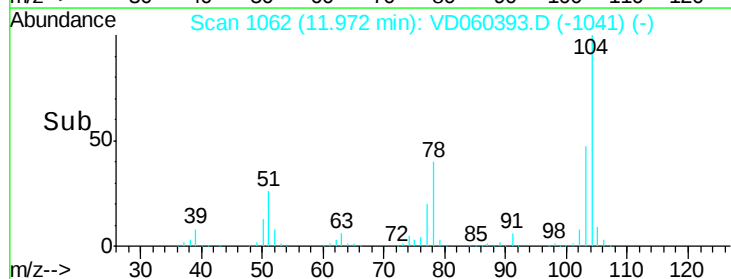
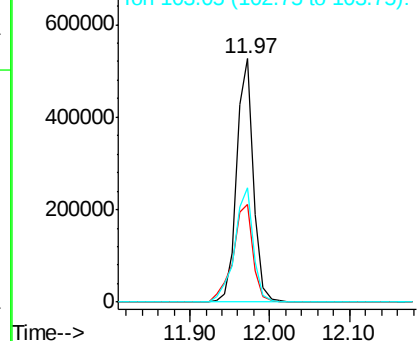


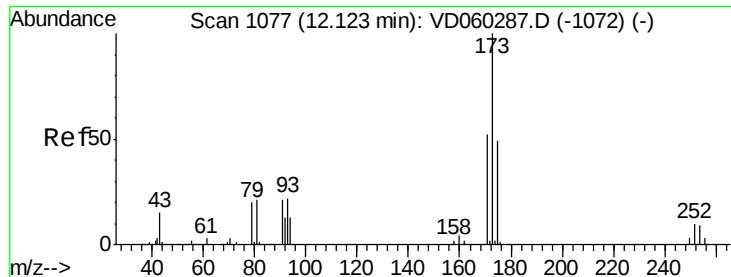
#70
Styrene
Concen: 22.36 ug/l
RT: 11.97 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

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: 20.46 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

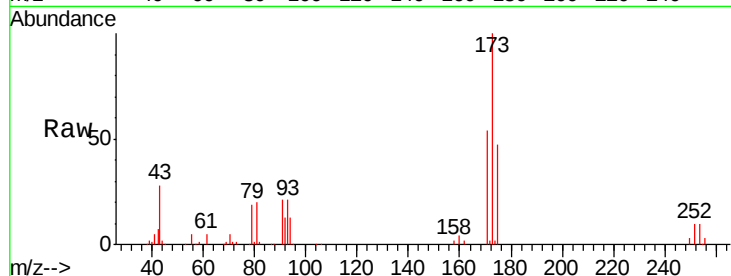
Tgt Ion:173 Resp: 158953

Ion Ratio Lower Upper

173 100

175 47.1 24.3 73.0

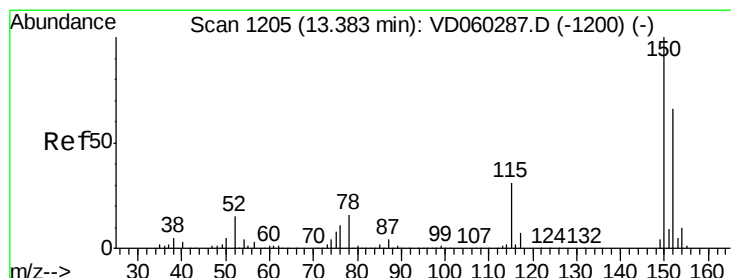
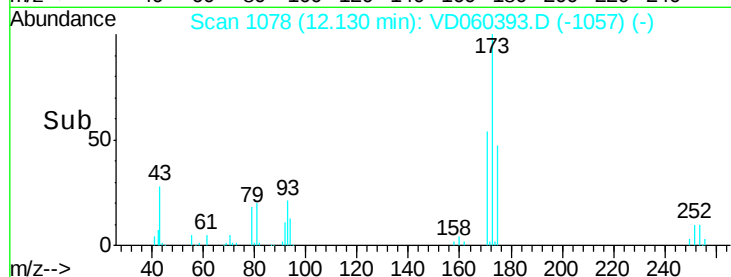
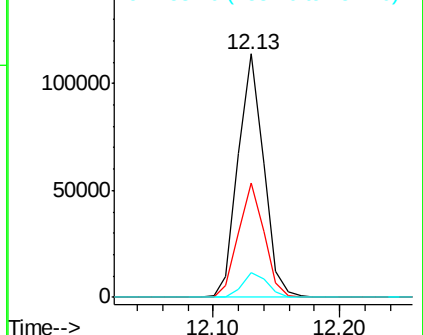
254 10.1 8.3 12.5



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: 50.00 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060393.D

Acq: 16 Nov 2018 12:53

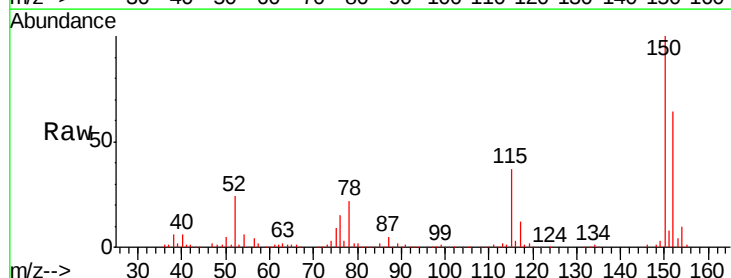
Tgt Ion:152 Resp: 851948

Ion Ratio Lower Upper

152 100

115 57.2 24.1 72.3

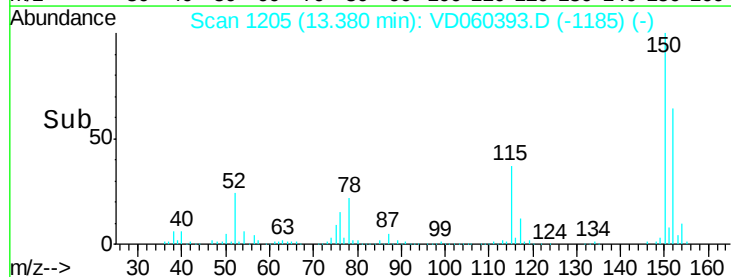
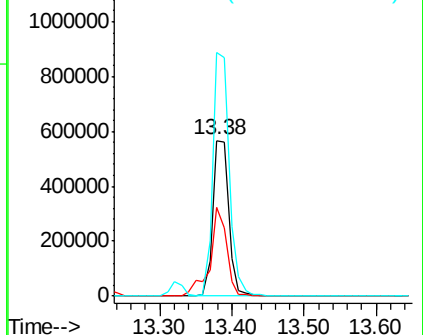
150 156.4 0.0 310.6

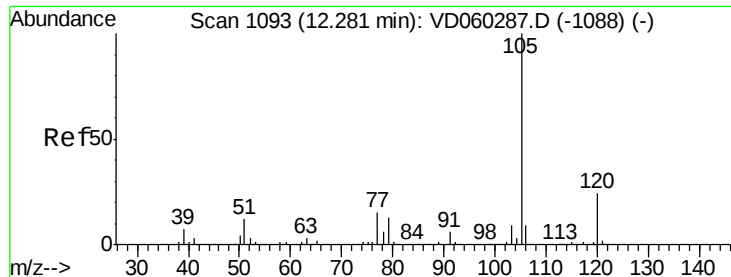


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.80 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 :

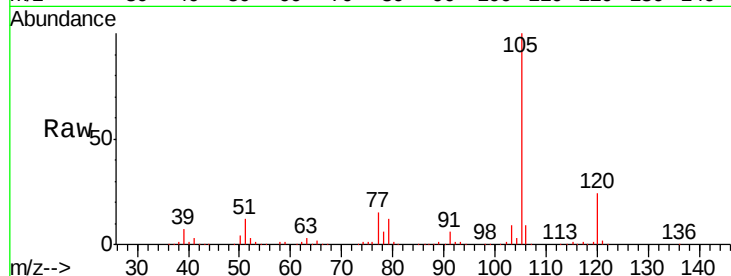
VD1116SBSD01

Tgt Ion:105 Resp: 1353319

Ion Ratio Lower Upper

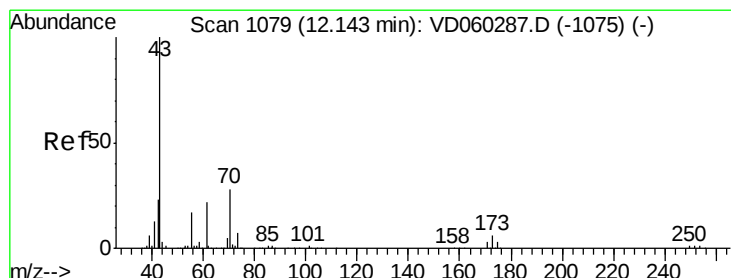
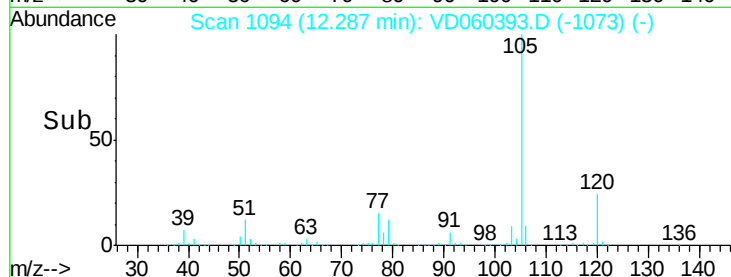
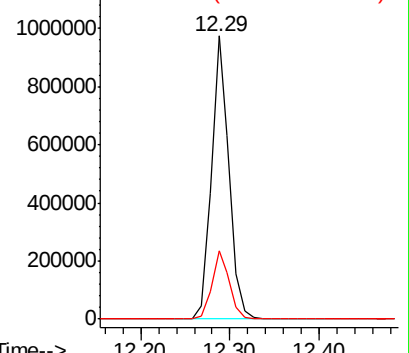
105 100

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: 19.98 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

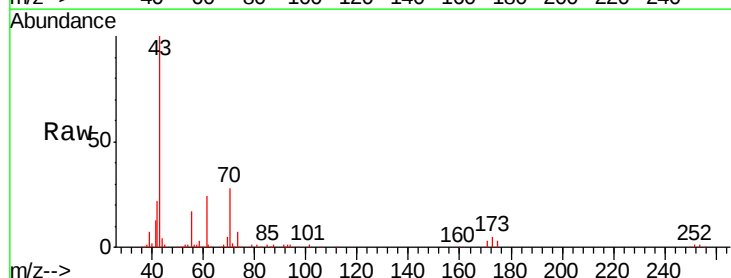
Ion Ratio Lower Upper

43 100

70 28.1 23.0 34.4

55 17.0 14.2 21.4

61 24.1 17.8 26.8

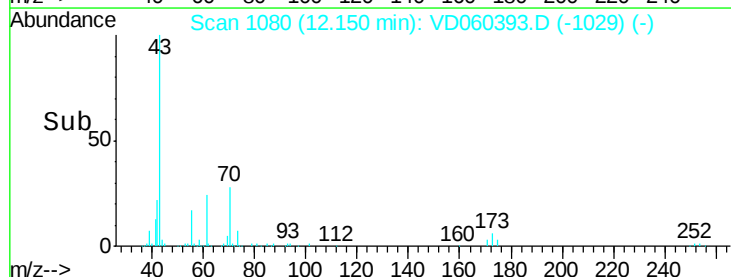
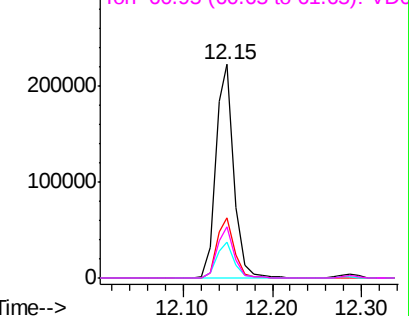


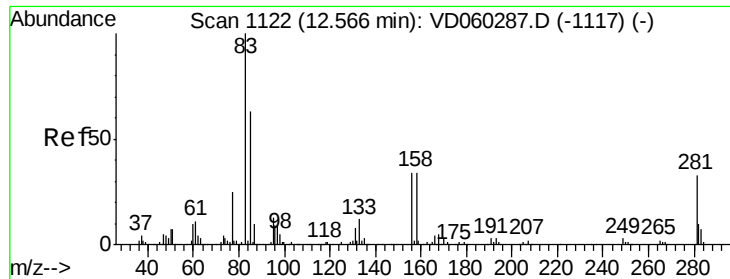
Abundance Ion 42.95 (42.65 to 43.65): V

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: 20.38 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

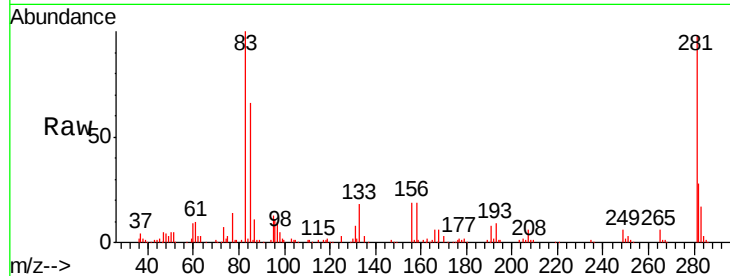
Tgt Ion: 83 Resp: 206926

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

200000

150000

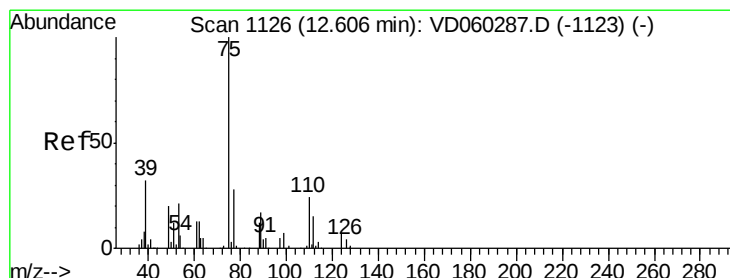
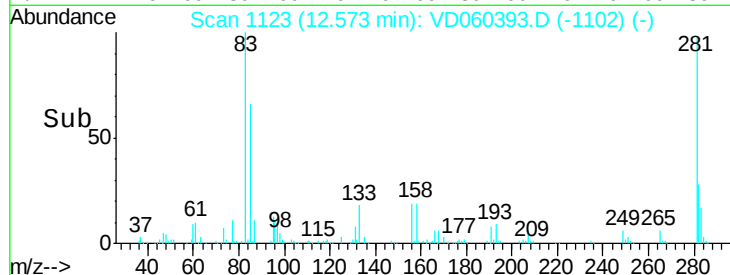
100000

50000

0

12.57

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.57 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060393.D

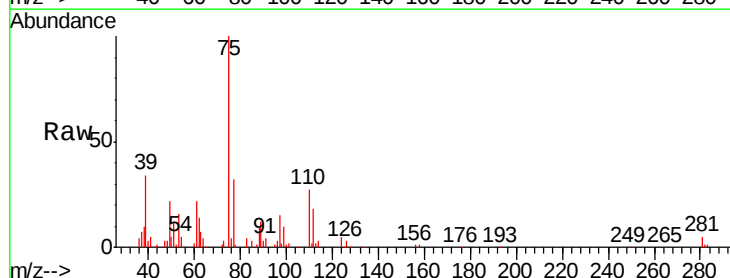
Acq: 16 Nov 2018 12:53

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

300000

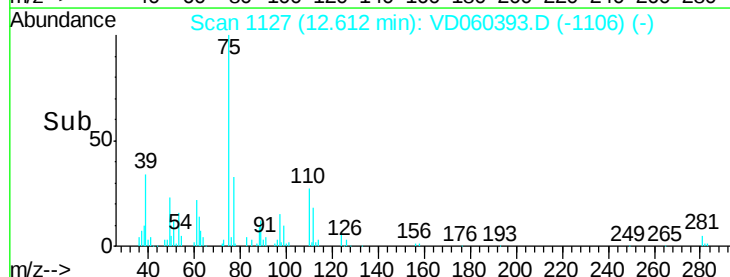
200000

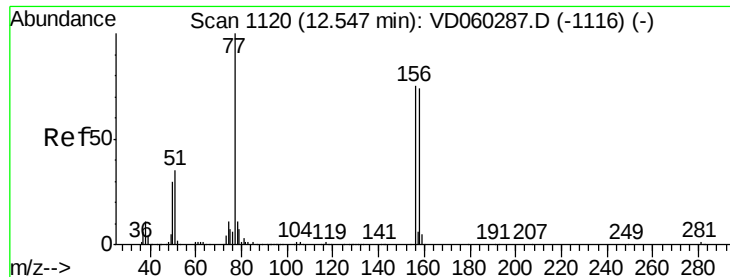
100000

0

12.61

Time-->





#77

Bromobenzene

Concen: 20.65 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

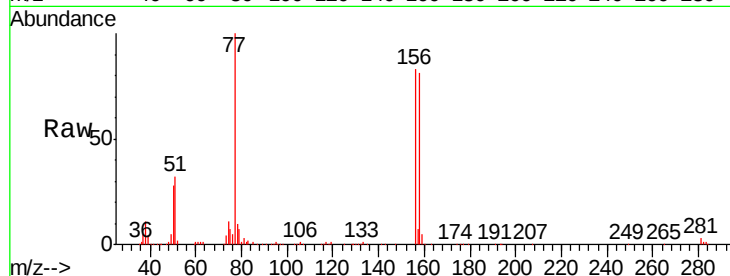
Tgt Ion: 156 Resp: 340482

Ion Ratio Lower Upper

156 100

77 120.6 61.2 183.6

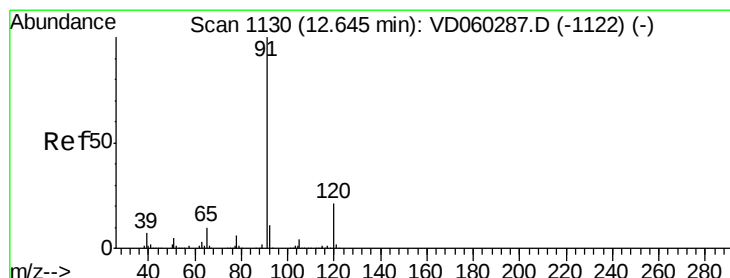
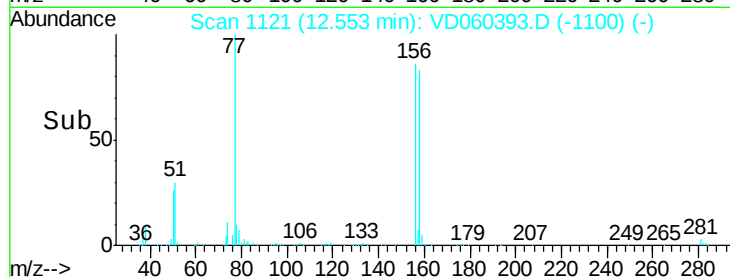
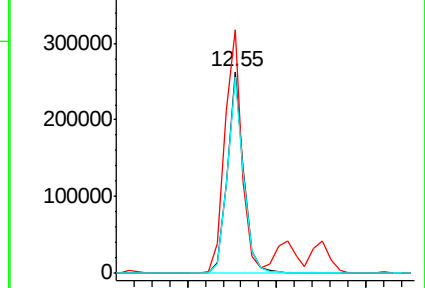
158 97.4 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.40 ug/l

RT: 12.65 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VD060393.D

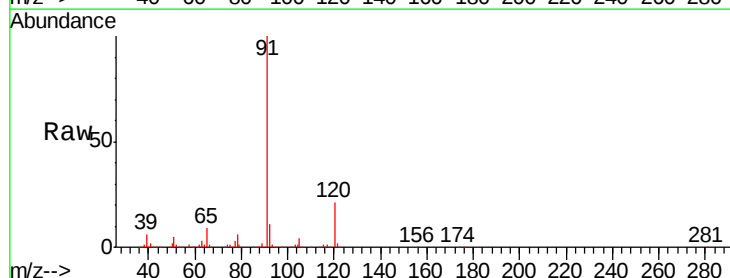
Acq: 16 Nov 2018 12:53

Tgt Ion: 91 Resp: 1657868

Ion Ratio Lower Upper

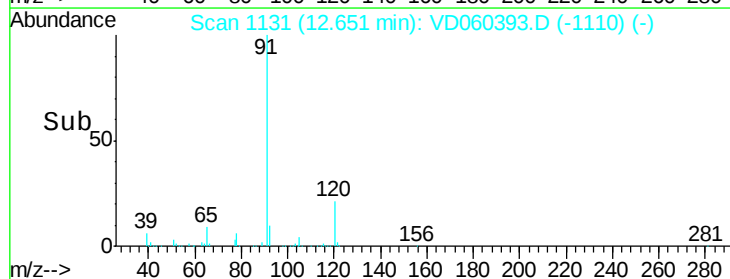
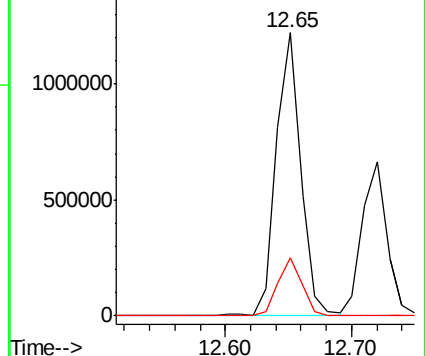
91 100

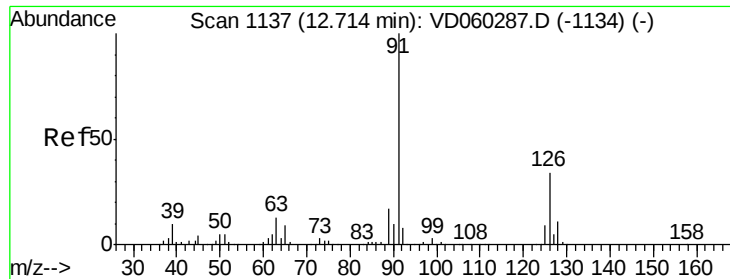
120 20.6 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.20 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 :

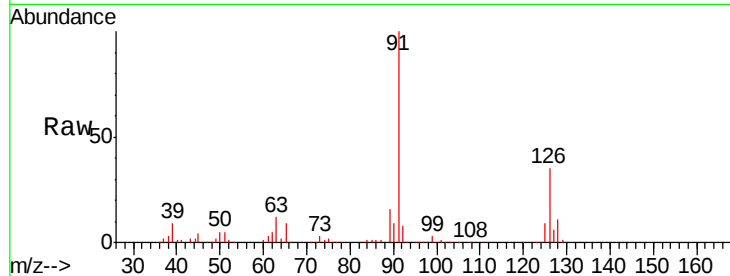
VD1116SBSD01

Tgt Ion: 91 Resp: 899626

Ion Ratio Lower Upper

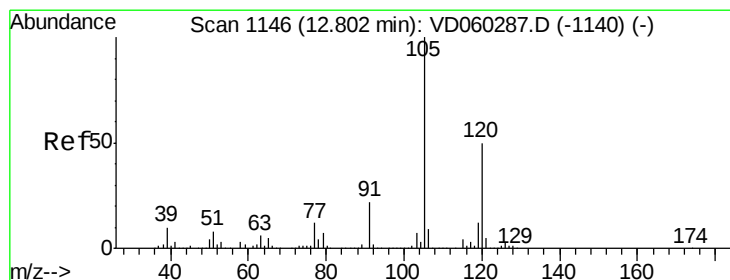
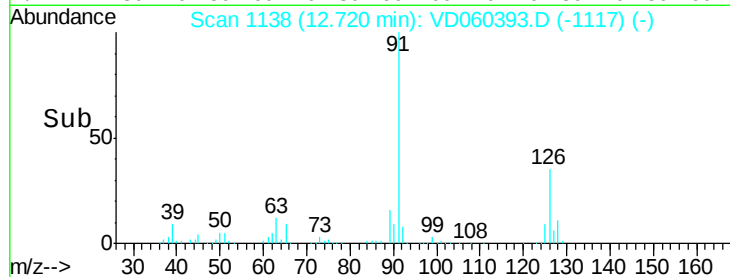
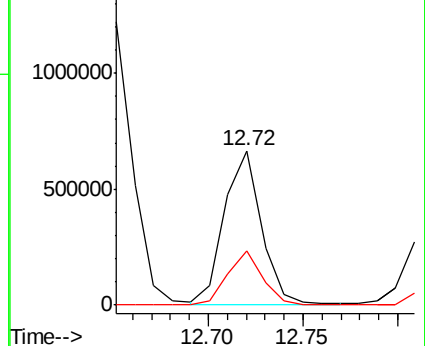
91 100

126 34.9 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.91 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060393.D

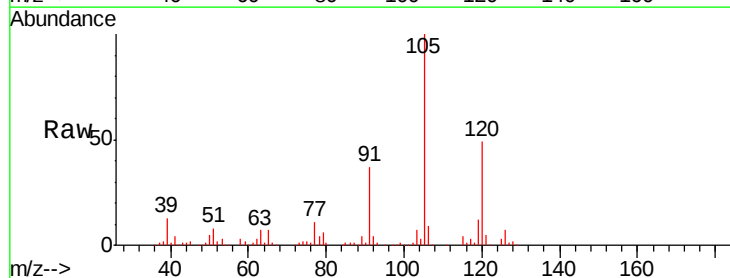
Acq: 16 Nov 2018 12:53

Tgt Ion: 105 Resp: 1056742

Ion Ratio Lower Upper

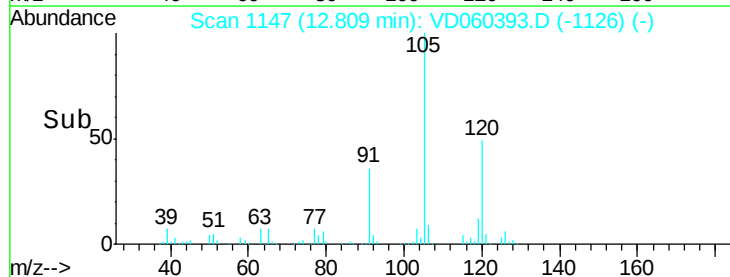
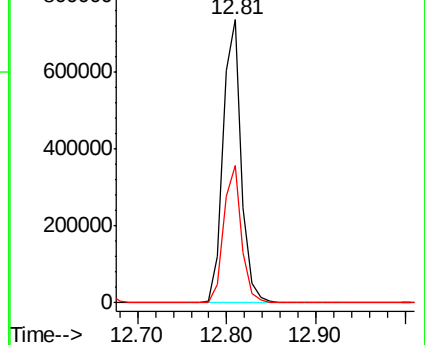
105 100

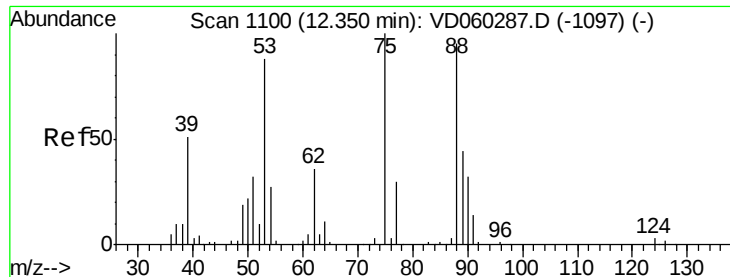
120 48.7 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.76 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

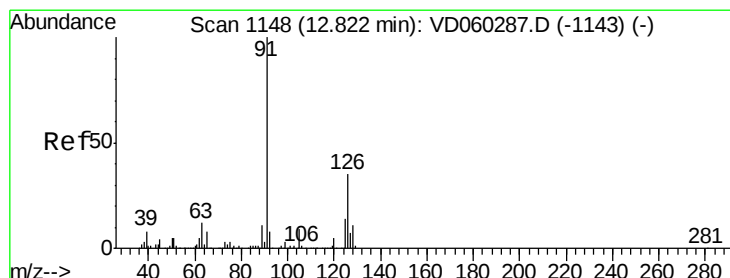
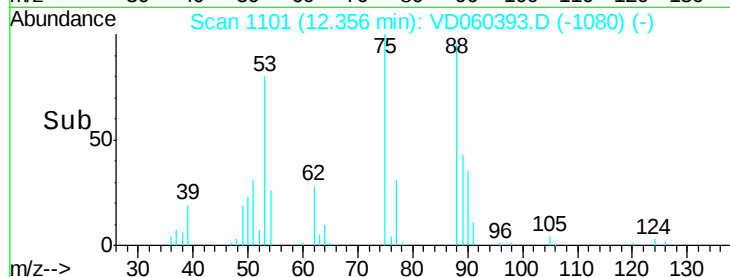
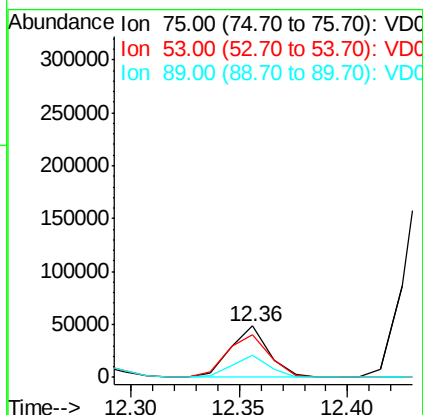
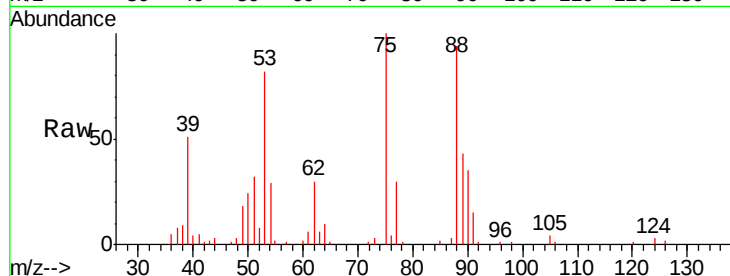
Tgt Ion: 75 Resp: 60232

Ion Ratio Lower Upper

75 100

53 81.8 68.6 103.0

89 42.8 34.1 51.1



#82

4-Chlorotoluene

Concen: 22.07 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VD060393.D

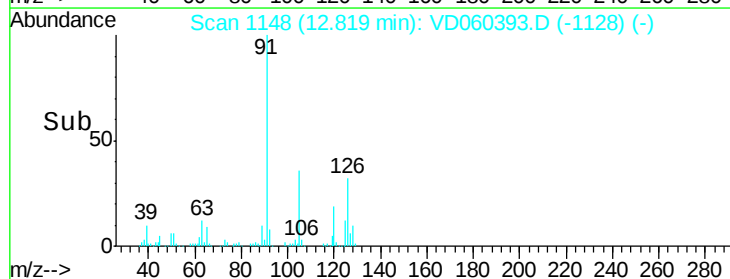
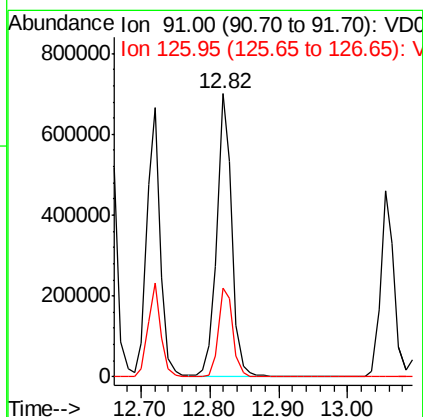
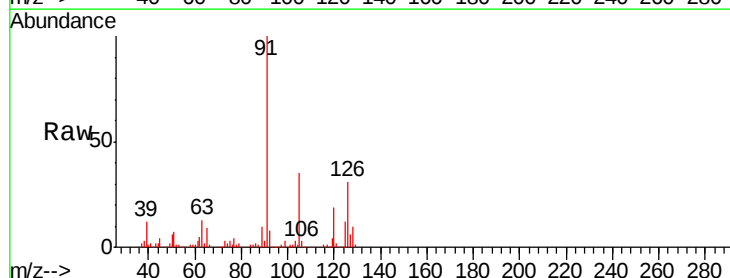
Acq: 16 Nov 2018 12:53

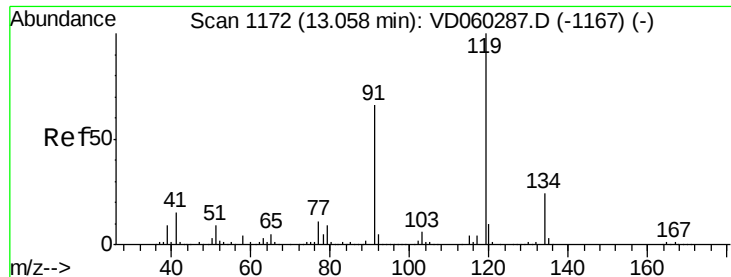
Tgt Ion: 91 Resp: 1051866

Ion Ratio Lower Upper

91 100

126 31.5 14.8 44.4

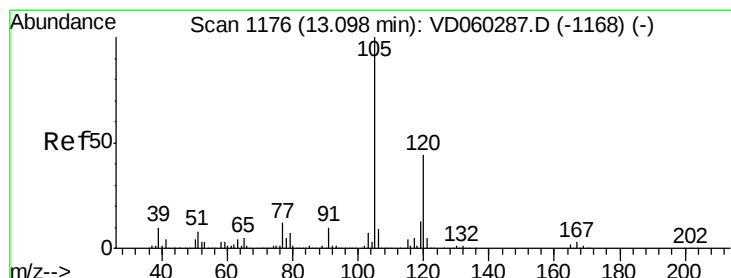
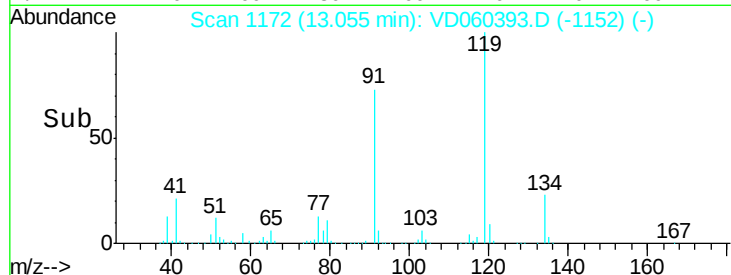
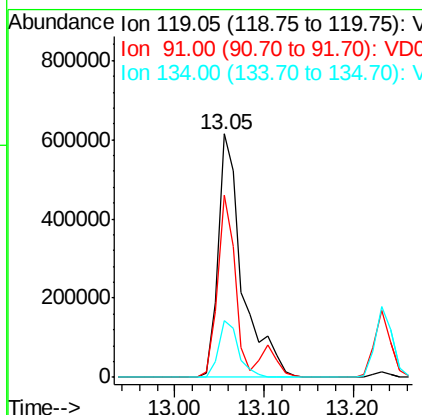
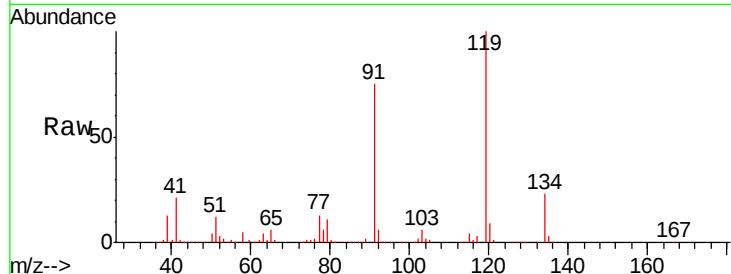




#83
 tert-Butylbenzene
 Concen: 21.87 ug/l
 RT: 13.05 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

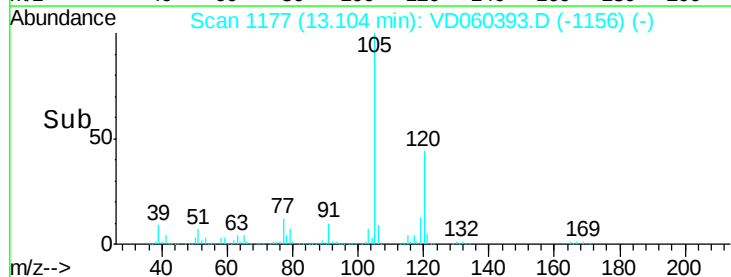
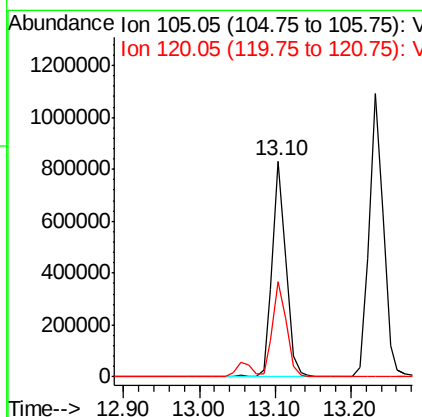
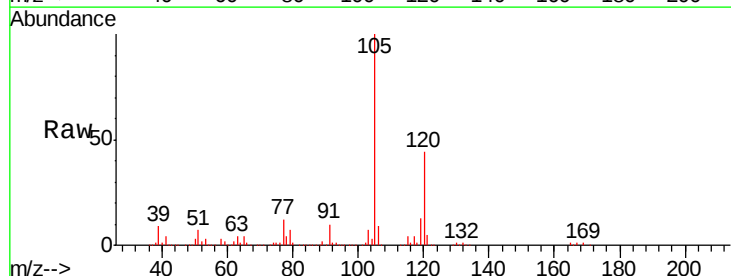
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

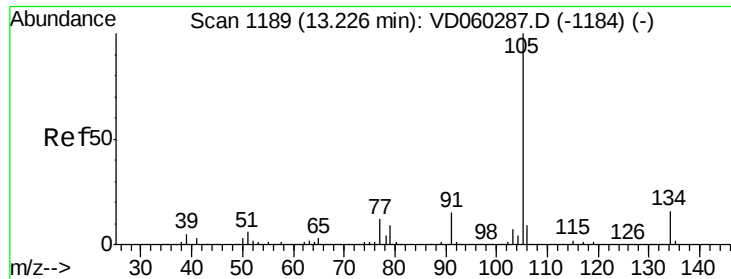
Tgt Ion:119 Resp: 1171424
 Ion Ratio Lower Upper
 119 100
 91 74.9 32.7 98.1
 134 23.4 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.73 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

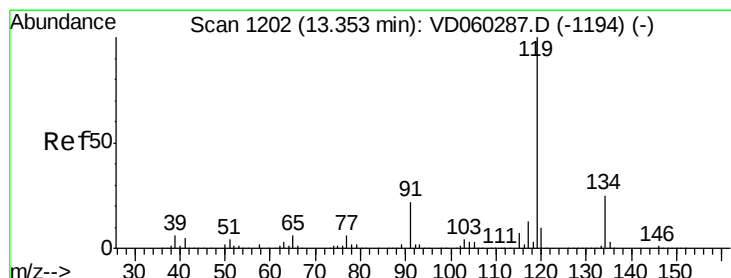
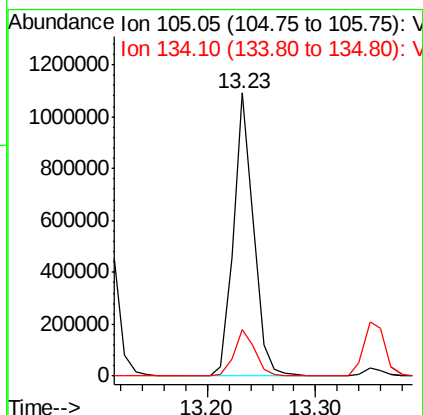
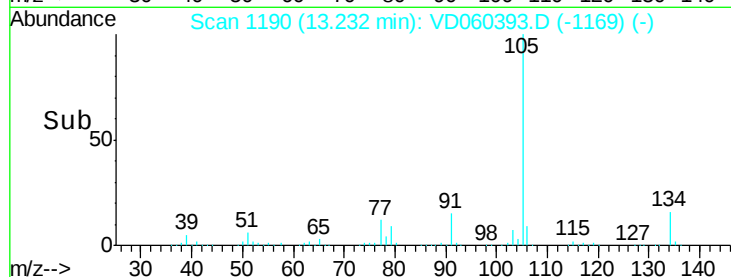
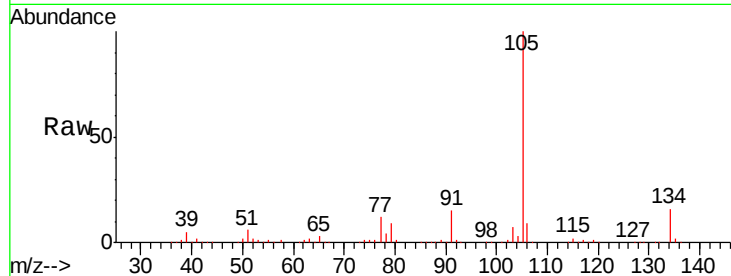




#85
 sec-Butylbenzene
 Concen: 21.33 ug/l
 RT: 13.23 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

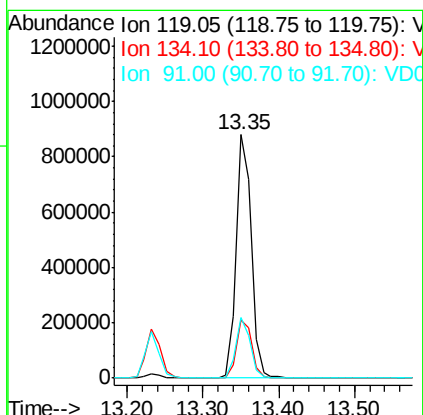
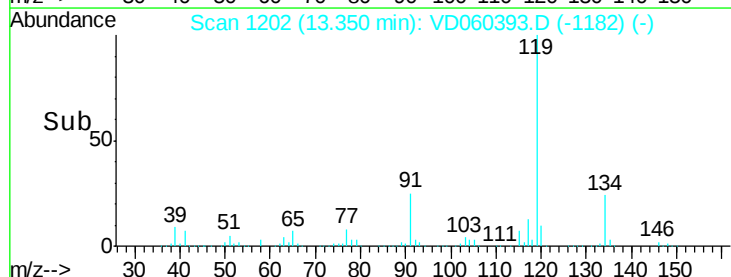
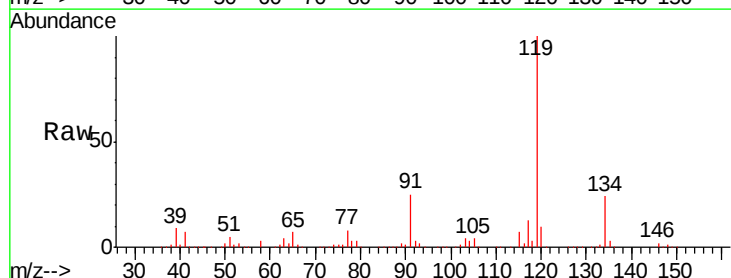
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

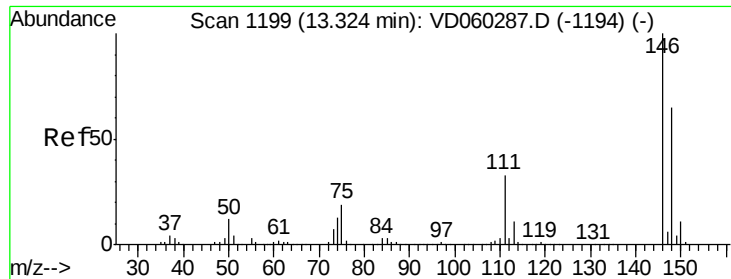
Tgt Ion:105 Resp: 1401816
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 22.45 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

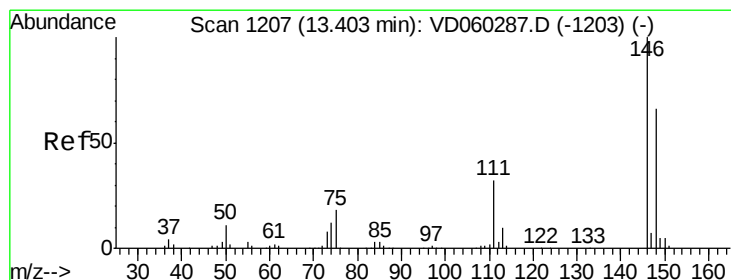
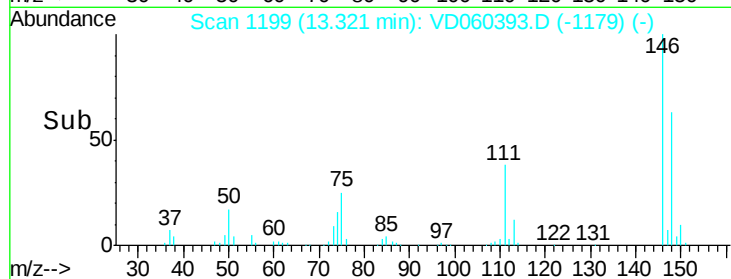
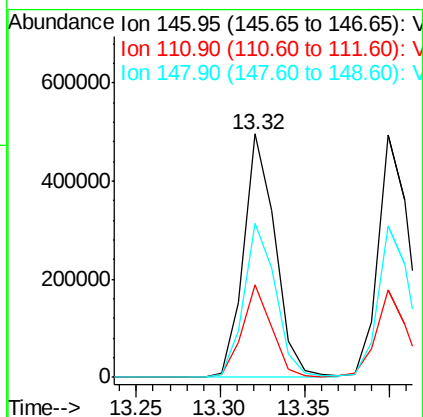
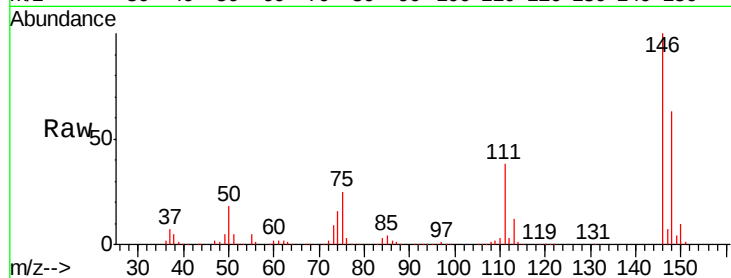




#87
 1,3-Dichlorobenzene
 Concen: 21.98 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

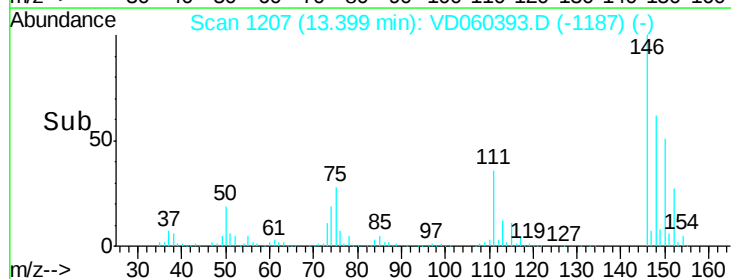
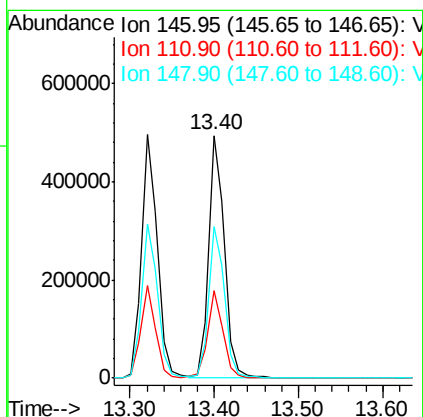
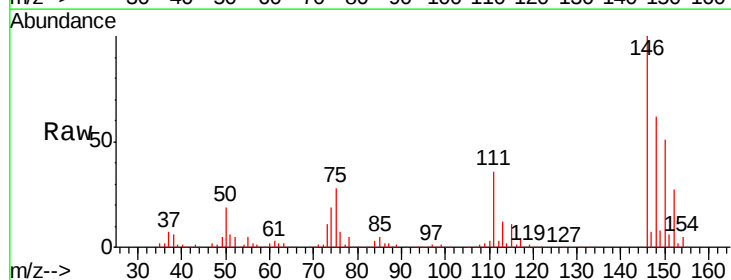
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

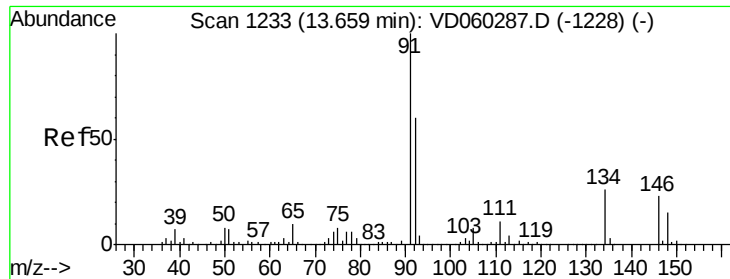
Tgt Ion:146 Resp: 644841
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.2 60.5
 148 63.3 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 22.32 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

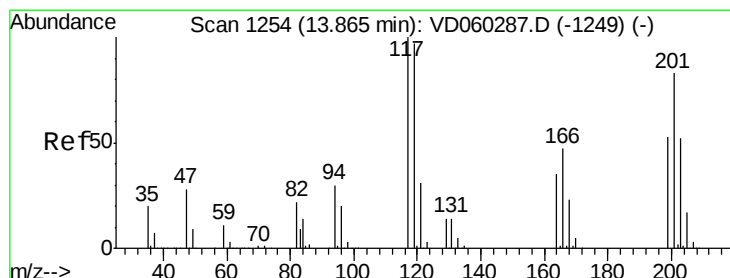
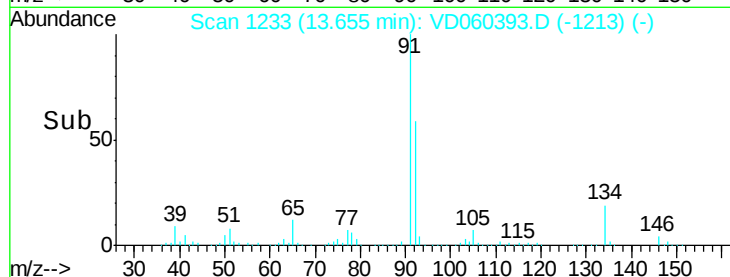
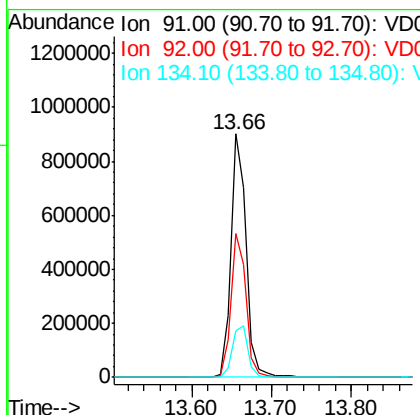
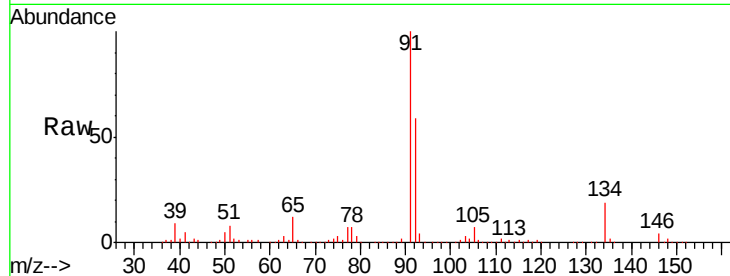




#89
n-Butylbenzene
Concen: 20.90 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

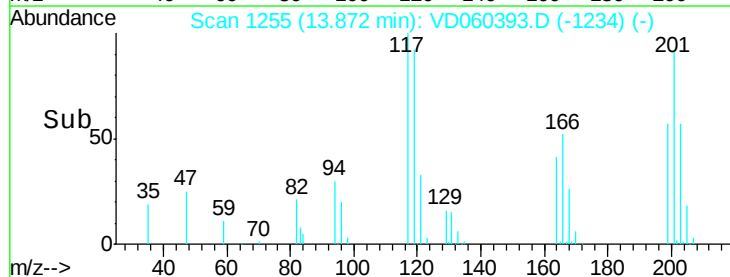
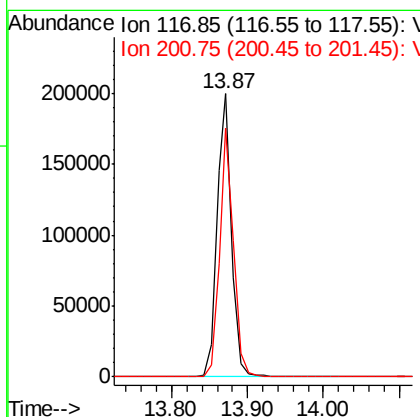
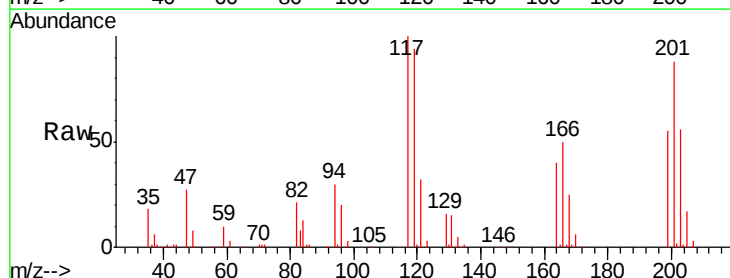
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

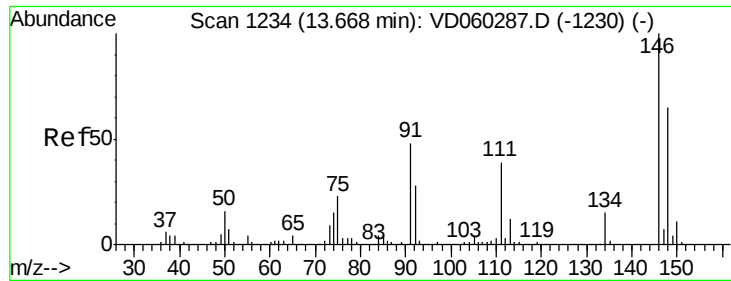
Tgt Ion: 91 Resp: 1210401
Ion Ratio Lower Upper
91 100
92 59.2 30.3 90.9
134 19.4 13.0 38.9



#90
Hexachloroethane
Concen: 21.47 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

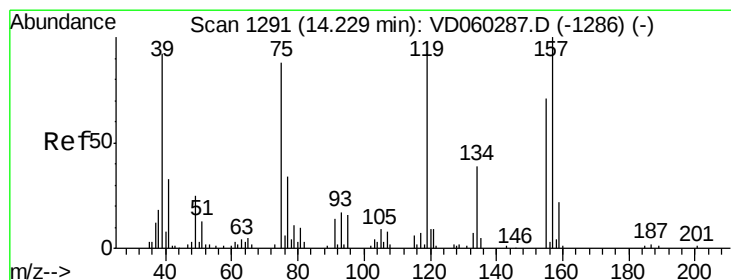
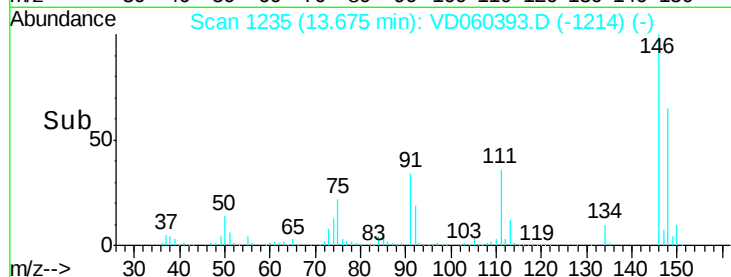
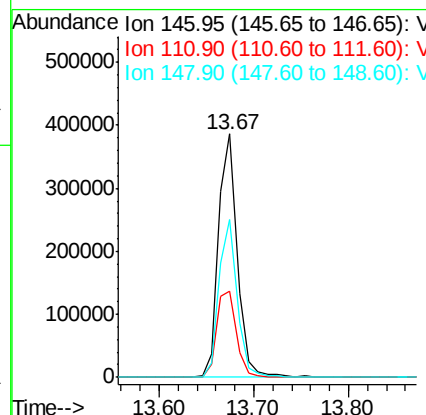
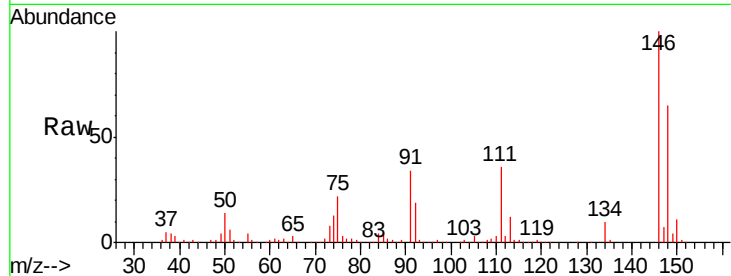




#91
 1,2-Dichlorobenzene
 Concen: 22.10 ug/l
 RT: 13.67 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

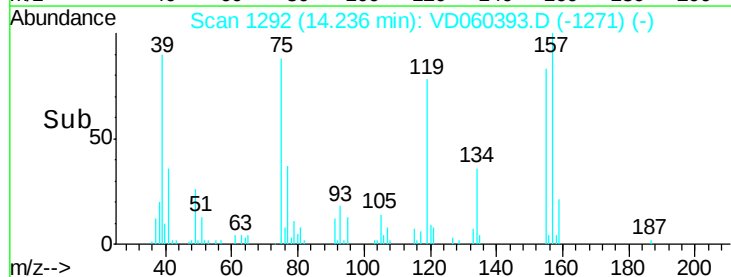
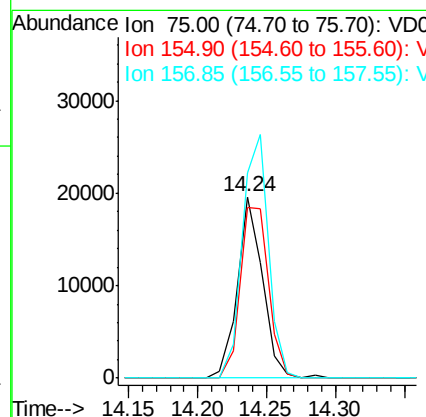
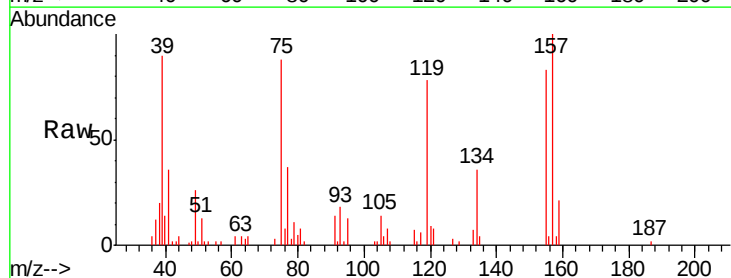
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

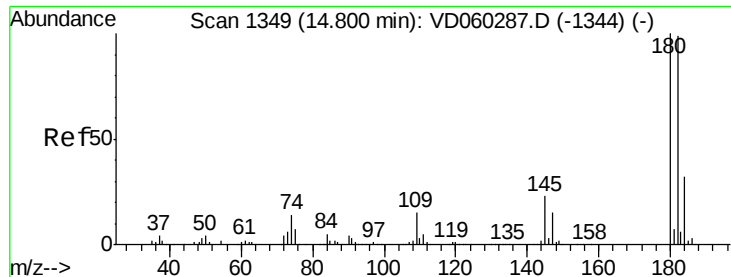
Tgt Ion: 146 Resp: 532569
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.9 56.9
 148 64.9 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.30 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

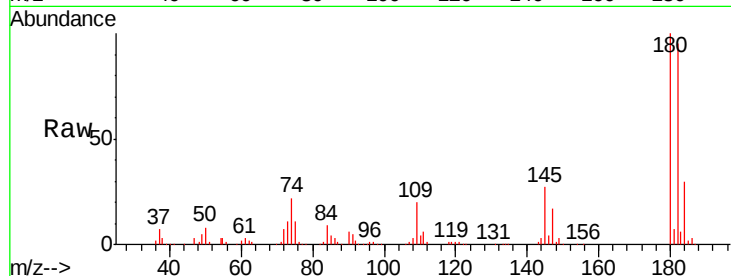




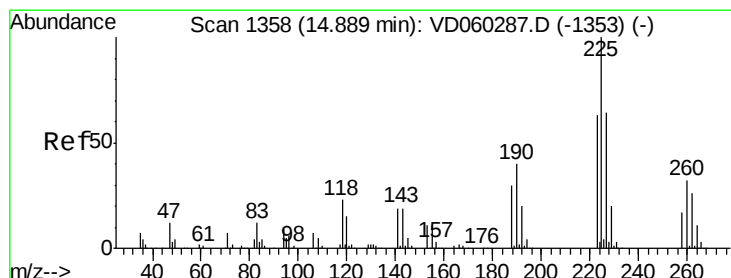
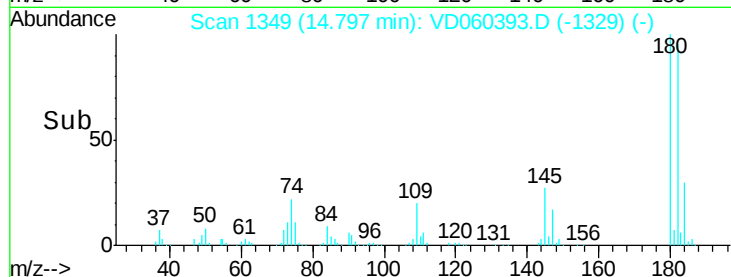
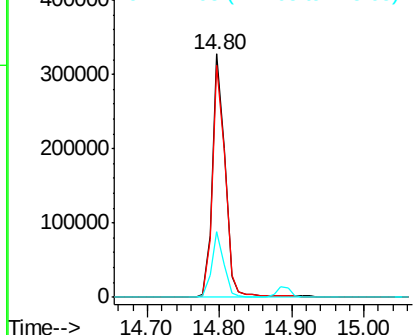
#93
 1,2,4-Trichlorobenzene
 Concen: 20.91 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

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

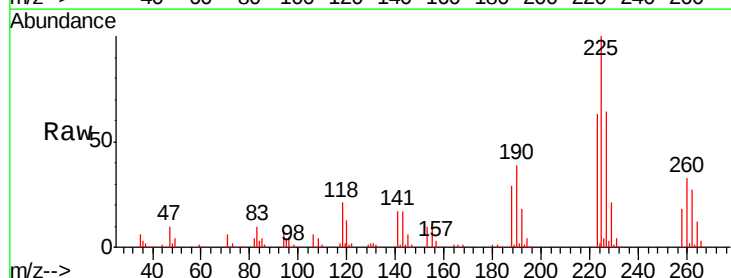


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

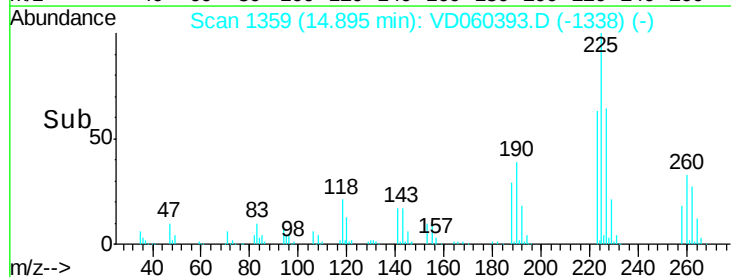
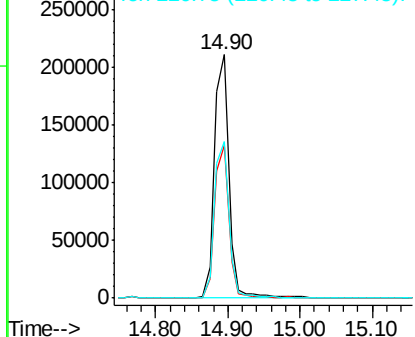


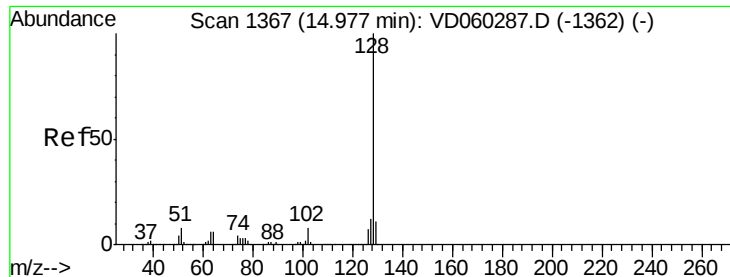
#94
 Hexachlorobutadiene
 Concen: 20.49 ug/l
 RT: 14.90 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD060393.D
 Acq: 16 Nov 2018 12:53

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

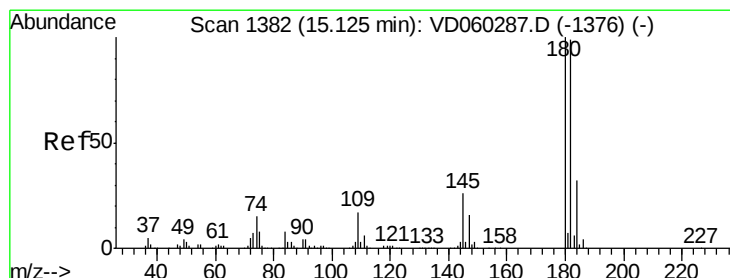
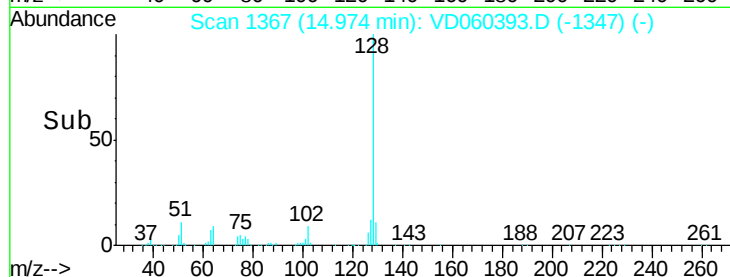
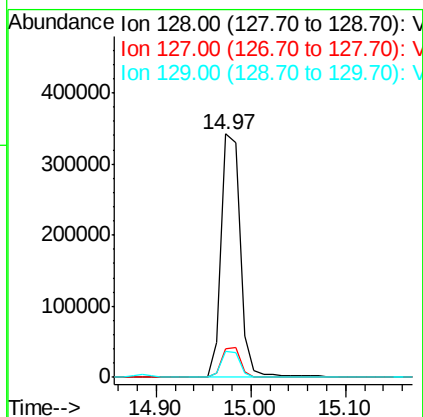
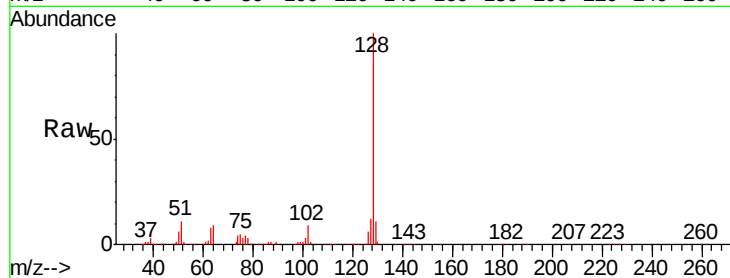




#95
Naphthalene
Concen: 20.58 ug/l
RT: 14.97 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VD060393.D
Acq: 16 Nov 2018 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

Tgt 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: 20.18 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

