

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112618\
 Data File : VD060451.D
 Acq On : 26 Nov 2018 12:44
 Operator : VA/AP
 Sample : VD1126SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Quant Time: Nov 26 14:51:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1323892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	1854215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.31	117	1430342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	733712	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.82	65	479315	50.56	ug/l	0.02
Spiked Amount			Recovery	=	101.12%	
35) Dibromofluoromethane	6.36	113	713292	51.59	ug/l	0.02
Spiked Amount			Recovery	=	103.18%	
50) Toluene-d8	9.49	98	2028396	50.12	ug/l	0.02
Spiked Amount			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.44	95	703726	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	263051	22.843	ug/l	96
3) Chloromethane	1.77	50	253648	20.227	ug/l	99
4) Vinyl Chloride	1.87	62	221837	21.661	ug/l	100
5) Bromomethane	2.16	94	43988	18.104	ug/l	98
6) Chloroethane	2.28	64	65660	19.323	ug/l	97
7) Trichlorofluoromethane	2.53	101	260553	21.579	ug/l	98
8) Diethyl Ether	2.85	74	46297	21.178	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.12	101	176608	22.239	ug/l	98
10) Methyl Iodide	3.28	142	194190	18.827	ug/l	96
11) Tert butyl alcohol	3.99	59	40682	104.513	ug/l #	88
12) 1,1-Dichloroethene	3.10	96	141706	21.937	ug/l	93
13) Acrolein	3.01	56	31031	67.467	ug/l	96
14) Allyl chloride	3.56	41	254155	20.563	ug/l	95
15) Acrylonitrile	4.12	53	242898	107.007	ug/l	100
16) Acetone	3.19	43	183497	111.597	ug/l	95
17) Carbon Disulfide	3.34	76	413874	19.849	ug/l	98
18) Methyl Acetate	3.58	43	73015	20.826	ug/l	100
19) Methyl tert-butyl Ether	4.15	73	423802	21.910	ug/l	99
20) Methylene Chloride	3.75	84	317612	21.775	ug/l	99
21) trans-1,2-Dichloroethene	4.13	96	321319	22.403	ug/l	96
22) Diisopropyl ether	4.89	45	1002473	21.709	ug/l	97
23) Vinyl Acetate	4.83	43	2511526	109.305	ug/l	99
24) 1,1-Dichloroethane	4.79	63	530185	22.390	ug/l	100
25) 2-Butanone	5.65	43	368266	107.751	ug/l	99
26) 2,2-Dichloropropane	5.62	77	419738	22.799	ug/l	99
27) cis-1,2-Dichloroethene	5.63	96	329517	22.053	ug/l	99
28) Bromochloromethane	5.95	49	216138	20.687	ug/l	95
29) Tetrahydrofuran	5.98	42	188017	104.342	ug/l	100
30) Chloroform	6.13	83	529554	22.370	ug/l	99
31) Cyclohexane	6.40	56	476914	21.072	ug/l	98
32) 1,1,1-Trichloroethane	6.33	97	448727	22.503	ug/l	99
36) 1,1-Dichloropropene	6.55	75	391554	21.374	ug/l	98
37) Ethyl Acetate	5.73	43	174618	20.715	ug/l #	96
38) Carbon Tetrachloride	6.53	117	374199	22.021	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	438829	20.828	ug/l	99
40) Benzene	6.82	78	1005078	21.494	ug/l	99
41) Methacrylonitrile	5.98	41	206757	21.430	ug/l #	95
42) 1,2-Dichloroethane	6.93	62	257494	21.038	ug/l	99
43) Isopropyl Acetate	8.37	43	215190	20.323	ug/l #	100
44) Trichloroethene	7.77	130	314348	22.176	ug/l	99
45) 1,2-Dichloropropane	8.13	63	260975	22.129	ug/l	94
46) Dibromomethane	8.25	93	149046	21.579	ug/l	99
47) Bromodichloromethane	8.52	83	353670	21.729	ug/l #	97
48) Methyl methacrylate	8.28	41	130974	20.364	ug/l	94
49) 1,4-Dioxane	8.26	88	24643	442.825	ug/l #	79
51) 4-Methyl-2-Pentanone	9.37	43	722647	104.857	ug/l	98
52) Toluene	9.57	92	655981	21.961	ug/l	99
53) t-1,3-Dichloropropene	9.95	75	300084	21.821	ug/l	99
54) cis-1,3-Dichloropropene	9.13	75	374940	21.257	ug/l	96
55) 1,1,2-Trichloroethane	10.20	97	180205	20.815	ug/l	97
56) Ethyl methacrylate	10.06	69	168699	21.193	ug/l	97
57) 1,3-Dichloropropane	10.41	76	276055	20.926	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.94	63	516410	107.293	ug/l	99
59) 2-Hexanone	10.51	43	534271	108.769	ug/l	99
60) Dibromochloromethane	10.67	129	229138	21.773	ug/l	99
61) 1,2-Dibromoethane	10.78	107	189328	21.826	ug/l	95
64) Tetrachloroethene	10.27	164	286814	22.461	ug/l	98
65) Chlorobenzene	11.34	112	713575	23.025	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	238578	23.528	ug/l	98
67) Ethyl Benzene	11.44	91	1280316	24.150	ug/l	98
68) m/p-Xylenes	11.58	106	908834	46.472	ug/l	97
69) o-Xylene	11.96	106	431038	22.814	ug/l	89
70) Styrene	11.98	104	710169	23.259	ug/l	99
71) Bromoform	12.13	173	147417	21.635	ug/l	97
73) Isopropylbenzene	12.29	105	1248565	23.357	ug/l	99
74) N-amyl acetate	12.15	43	284082	20.728	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	184615	21.117	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	184666	21.040	ug/l	95
77) Bromobenzene	12.56	156	302948	21.335	ug/l	98
78) n-propylbenzene	12.65	91	1536888	23.034	ug/l	99
79) 2-Chlorotoluene	12.72	91	831395	22.751	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	943092	22.701	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.36	75	50456	20.192	ug/l	91
82) 4-Chlorotoluene	12.82	91	912371	22.226	ug/l	99
83) tert-Butylbenzene	13.06	119	1063974	23.068	ug/l	91
84) 1,2,4-Trimethylbenzene	13.11	105	981079	23.646	ug/l	98
85) sec-Butylbenzene	13.23	105	1279494	22.611	ug/l	98
86) p-Isopropyltoluene	13.35	119	1057465	23.206	ug/l	95
87) 1,3-Dichlorobenzene	13.32	146	573310	22.694	ug/l	95
88) 1,4-Dichlorobenzene	13.40	146	550468	22.311	ug/l	96
89) n-Butylbenzene	13.66	91	1085762	21.876	ug/l	97
90) Hexachloroethane	13.87	117	252454	23.363	ug/l	89
91) 1,2-Dichlorobenzene	13.68	146	482120	23.234	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	22050	20.894	ug/l	70

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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration

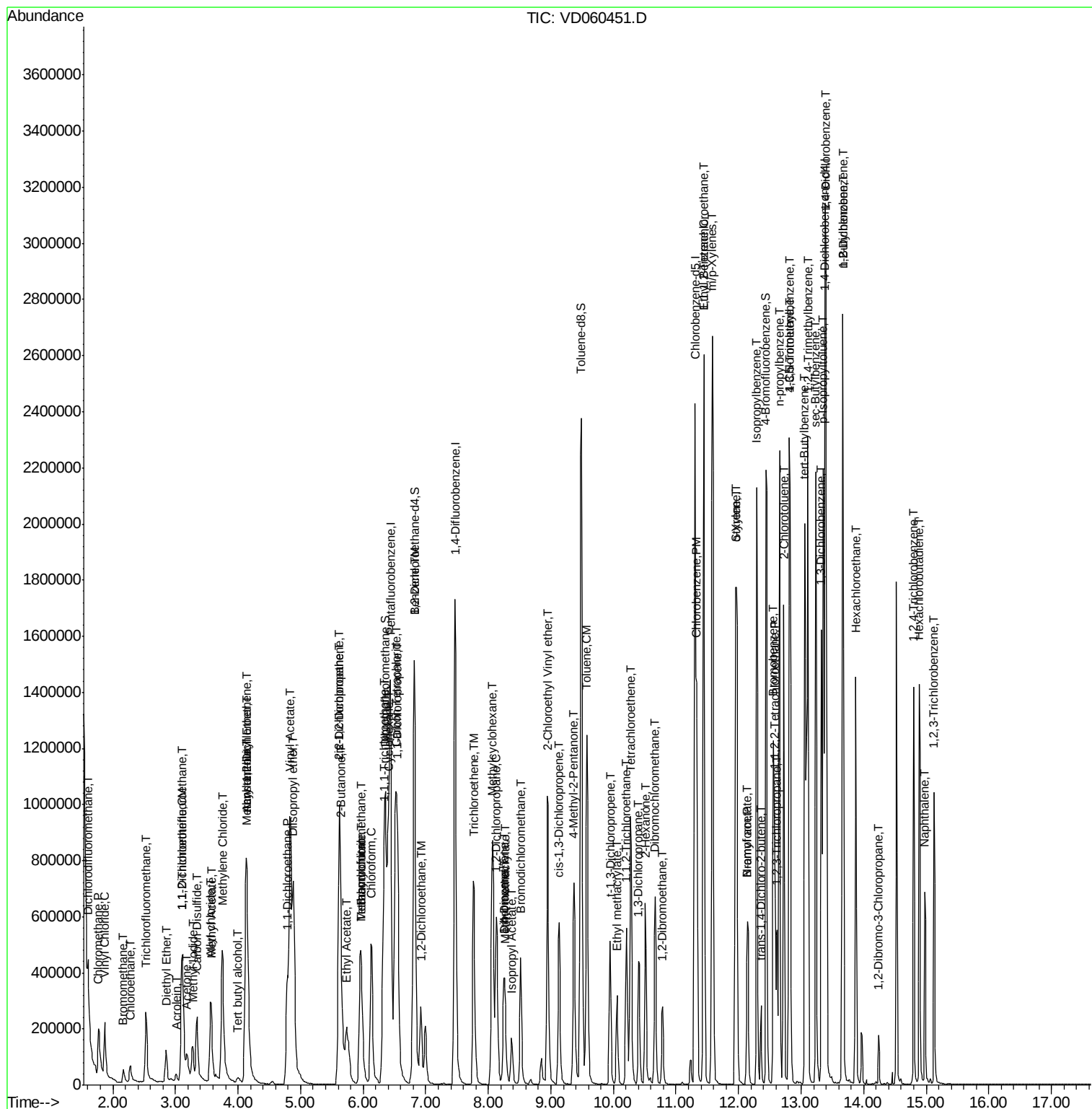
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	364310	22.144	ug/l	97
94) Hexachlorobutadiene	14.90	225	264572	21.500	ug/l	98
95) Naphthalene	14.98	128	447890	22.295	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	283082	21.472	ug/l	98

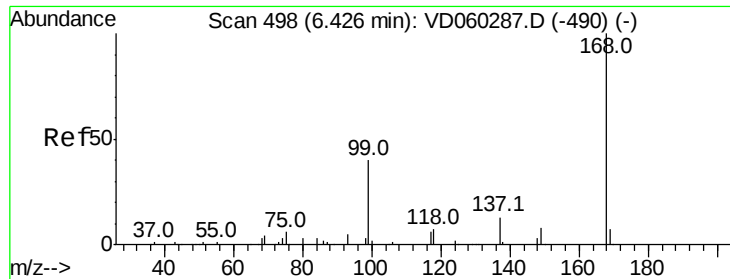
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator  : VA/AP  
Sample    : VD1126SBSD01  
Misc      : 5.00µl/5ml/MSVOA D/SOIL  
ALS Vial  : 5 Sample Multiplier: 1
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MSVOA_D
ClientSampleId :
VD1126SBSD01

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Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

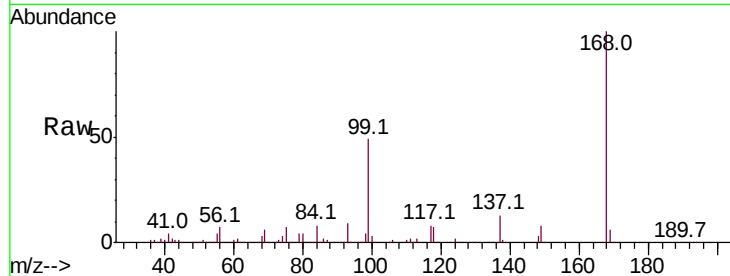
VD1126SBSD01

Tot Ion:168 Resp: 1323892

Ion Ratio Lower Upper

168 100

99 48.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

500000

400000

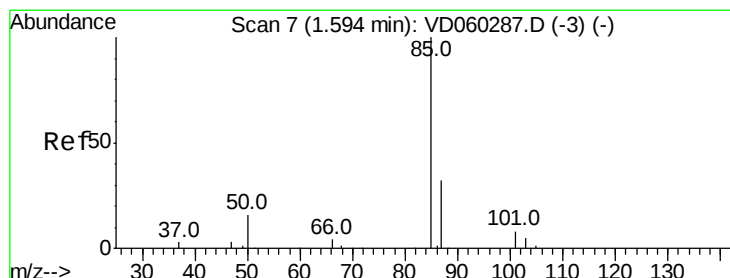
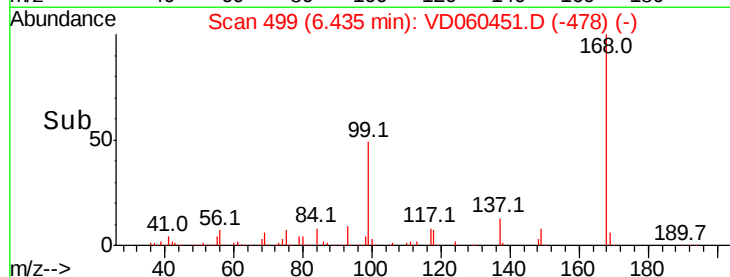
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.843 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060451.D

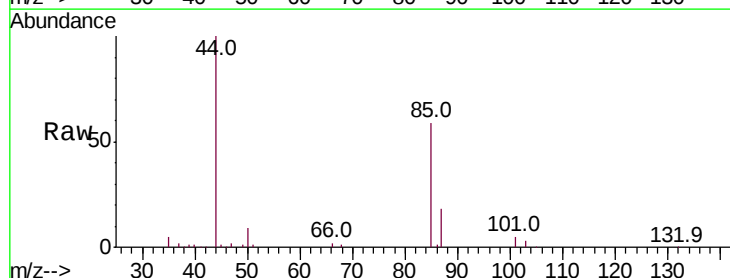
Acq: 26 Nov 2018 12:44

Tgt Ion: 85 Resp: 263051

Ion Ratio Lower Upper

85 100

87 31.2 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

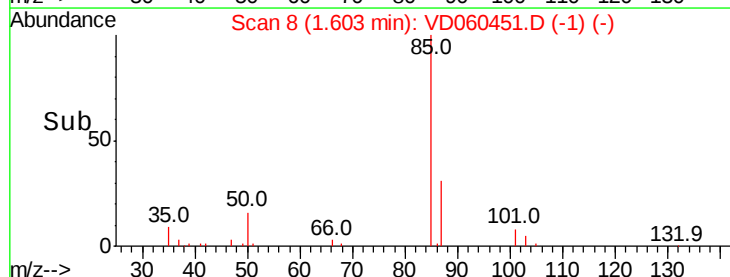
1.60

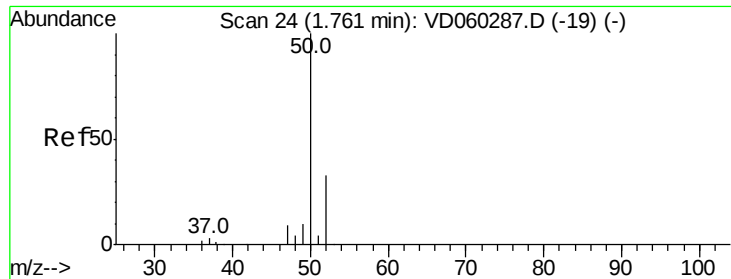
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.227 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

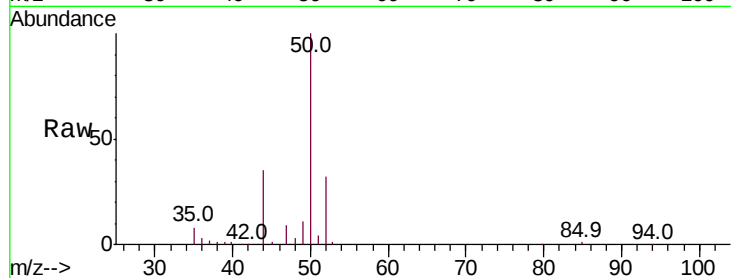
VD1126SBSD01

Tot Ion: 50 Resp: 253648

Ion Ratio Lower Upper

50 100

52 31.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

100000

80000

60000

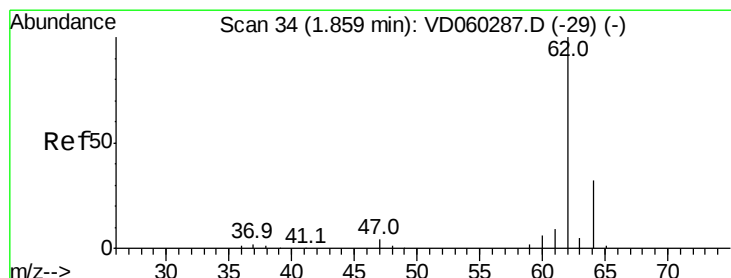
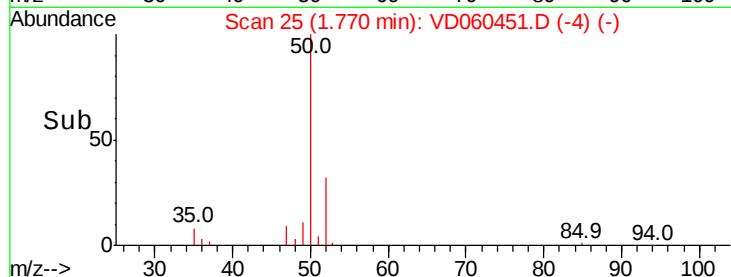
40000

20000

0

1.70 1.80 1.90 2.00

Time-->



#4

Vinyl Chloride

Concen: 21.661 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060451.D

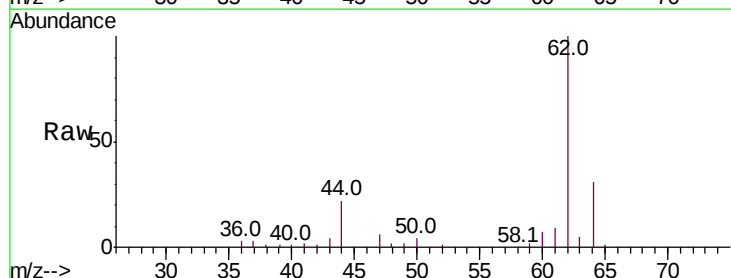
Acq: 26 Nov 2018 12:44

Tgt Ion: 62 Resp: 221837

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

1.87

120000

100000

80000

60000

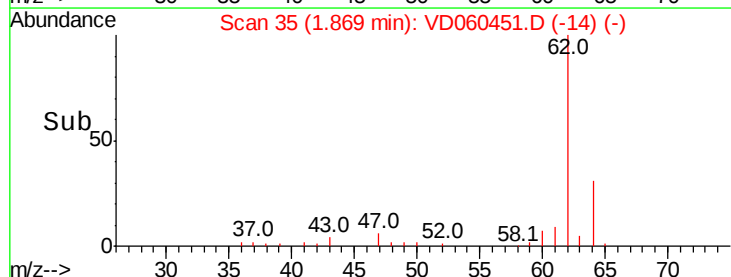
40000

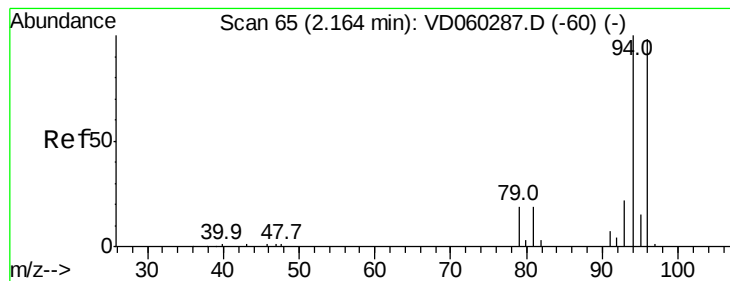
20000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 18.104 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

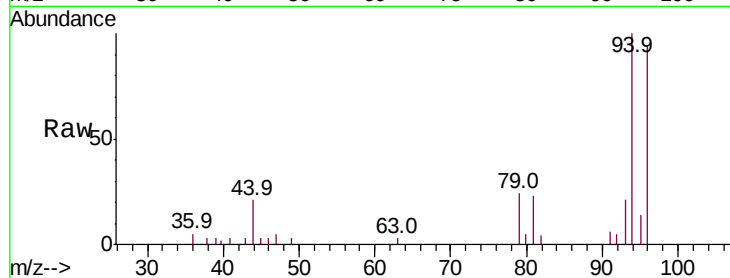
VD1126SBSD01

Tot Ion: 94 Resp: 43988

Ion Ratio Lower Upper

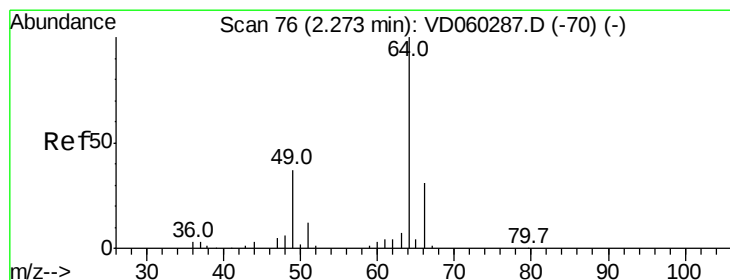
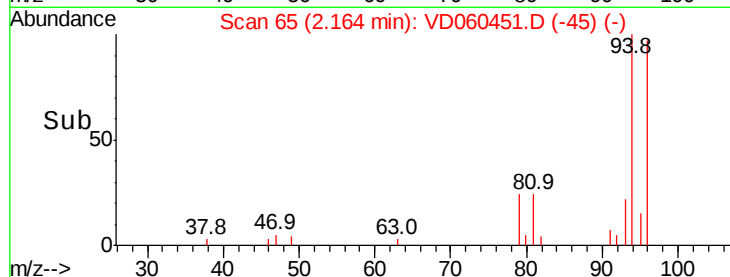
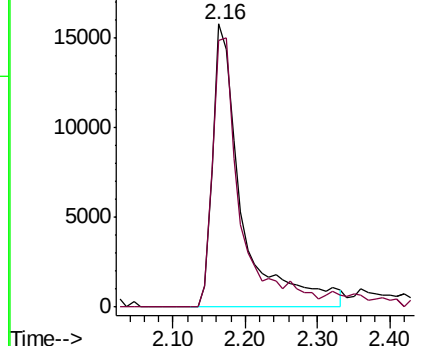
94 100

96 94.1 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.323 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.01 min

Lab File: VD060451.D

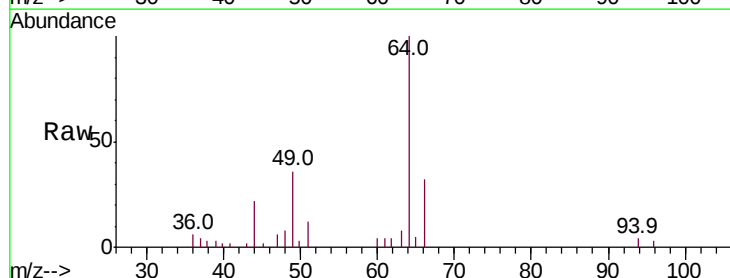
Acq: 26 Nov 2018 12:44

Tgt Ion: 64 Resp: 65660

Ion Ratio Lower Upper

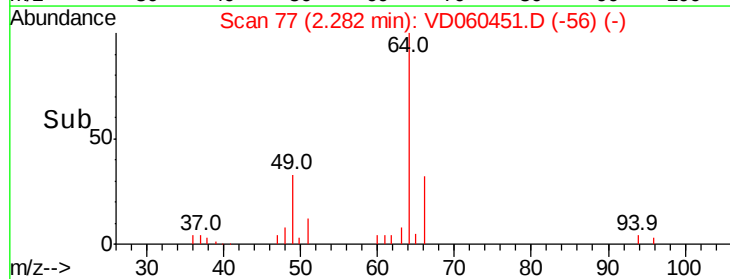
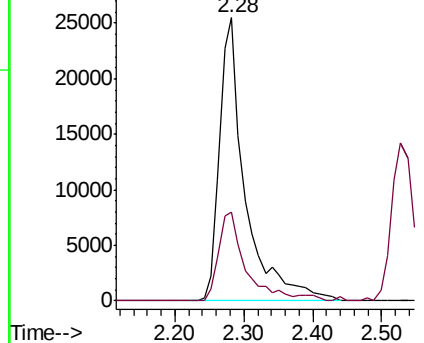
64 100

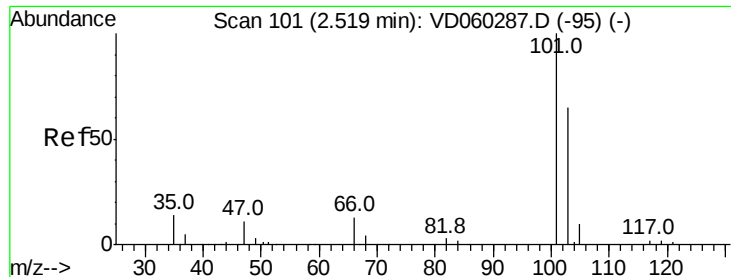
66 31.5 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



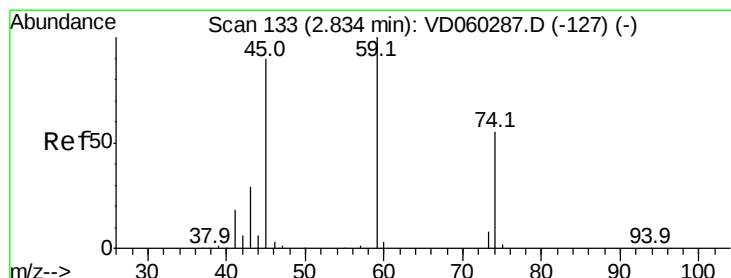
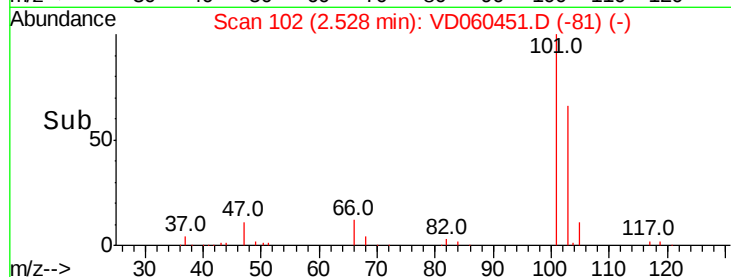
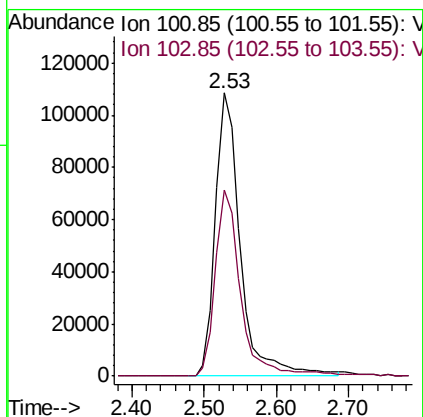
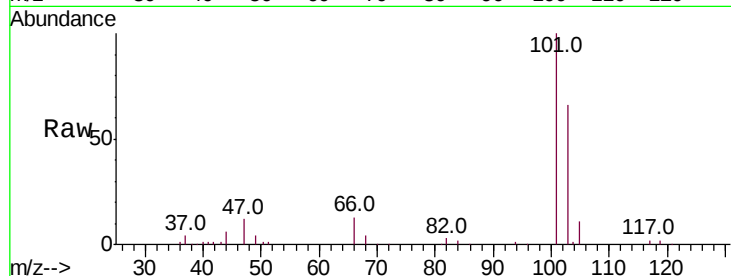


#7

Trichlorofluoromethane
 Concen: 21.579 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBSD01

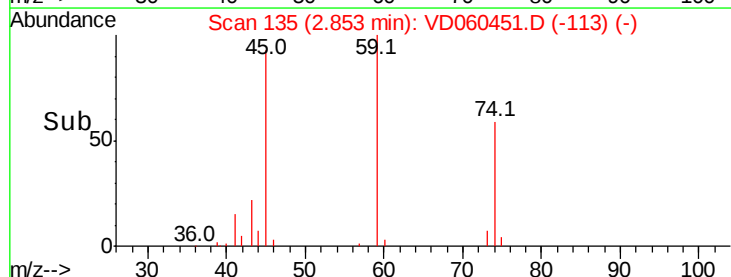
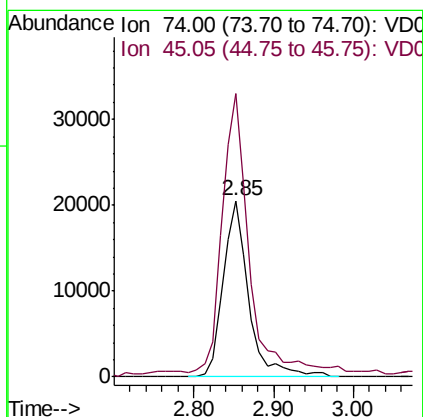
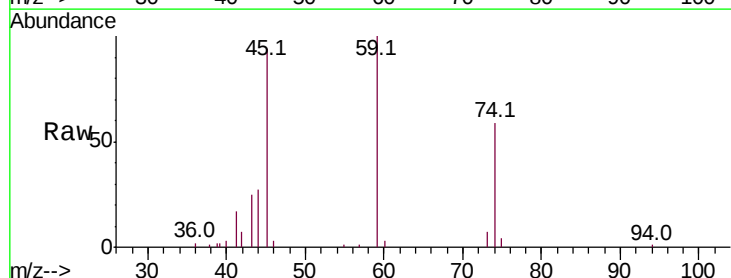
Tot Ion:101 Resp: 260553
 Ion Ratio Lower Upper
 101 100
 103 65.5 53.6 80.4

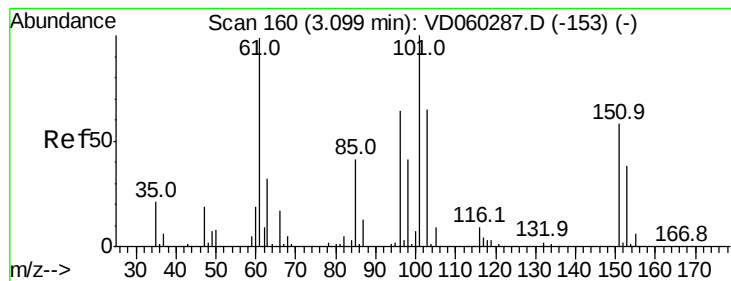


#8

Diethyl Ether
 Concen: 21.178 ug/l
 RT: 2.85 min Scan# 135
 Delta R.T. 0.02 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Tgt Ion: 74 Resp: 46297
 Ion Ratio Lower Upper
 74 100
 45 160.4 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.239 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

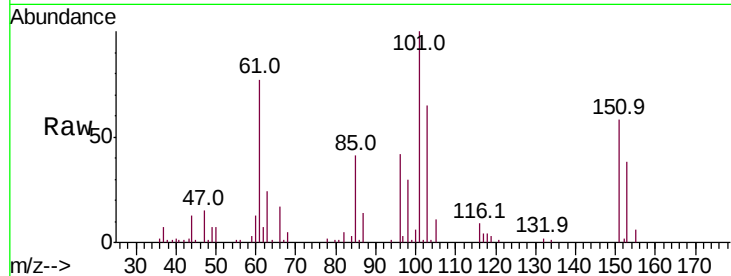
Tot Ion:101 Resp: 176608

Ion Ratio Lower Upper

101 100

85 41.1 31.4 47.0

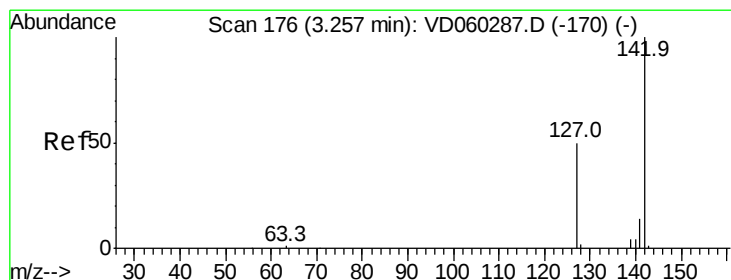
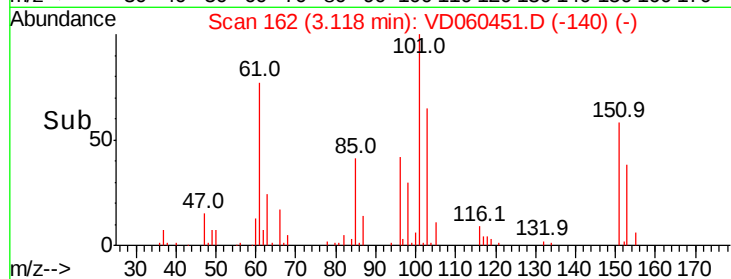
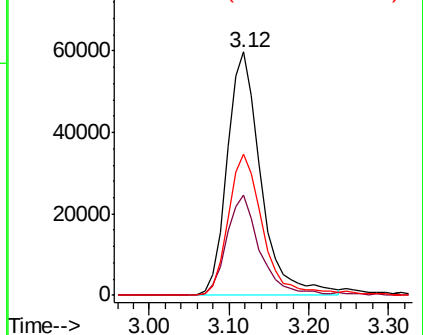
151 58.2 47.4 71.0



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: 18.827 ug/l

RT: 3.28 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

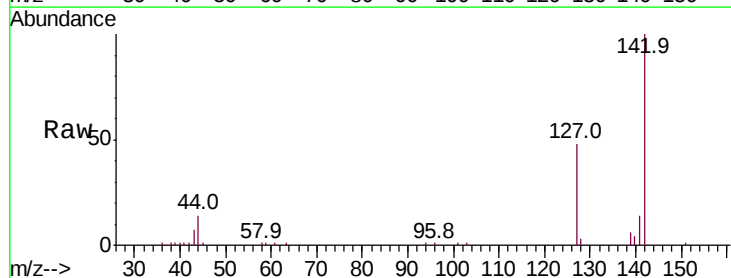
Tgt Ion:142 Resp: 194190

Ion Ratio Lower Upper

142 100

127 48.2 41.0 61.6

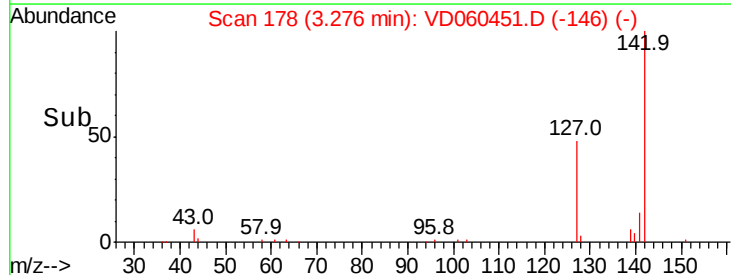
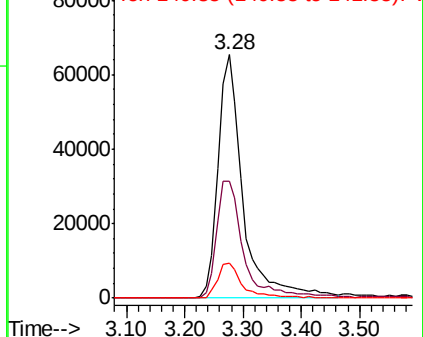
141 14.1 11.9 17.9

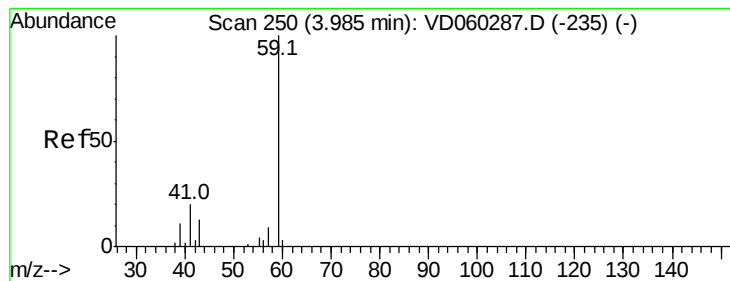


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



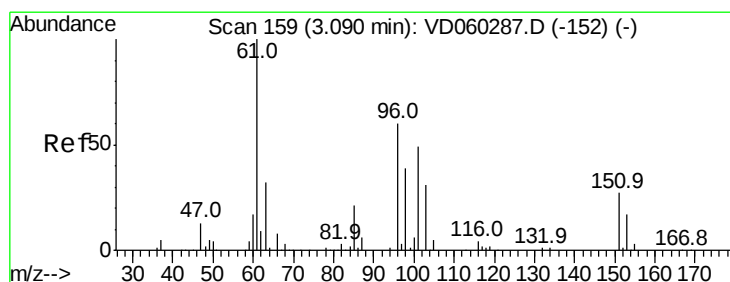
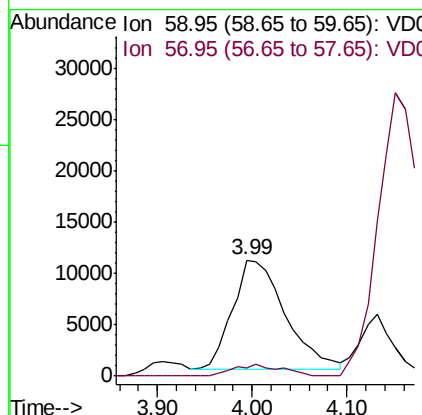
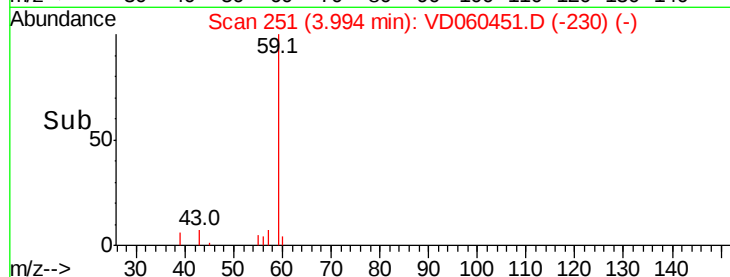
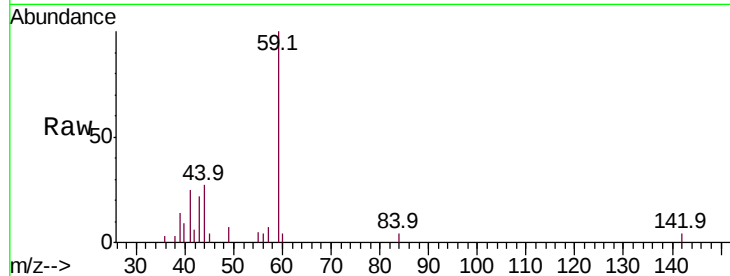


#11

Tert butyl alcohol
Concen: 104.513 ug/l
RT: 3.99 min Scan# 251
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

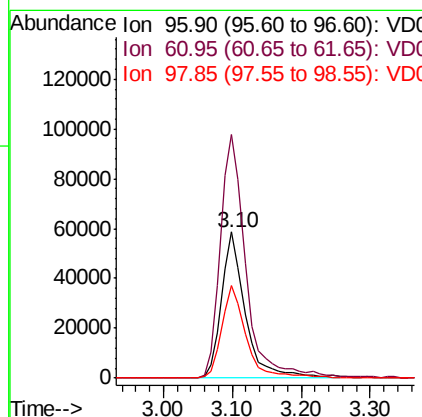
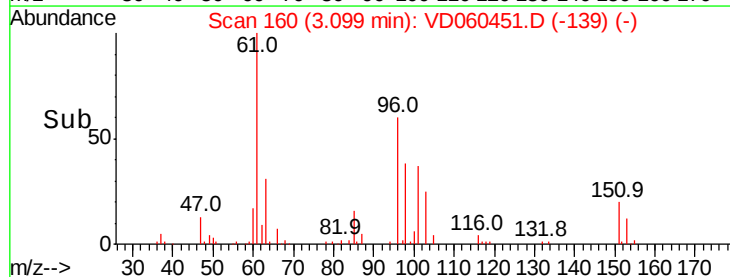
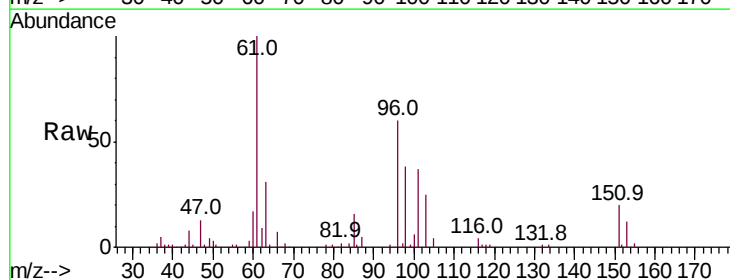
Tot Ion: 59 Resp: 40682
Ion Ratio Lower Upper
59 100
57 7.0 9.3 13.9#

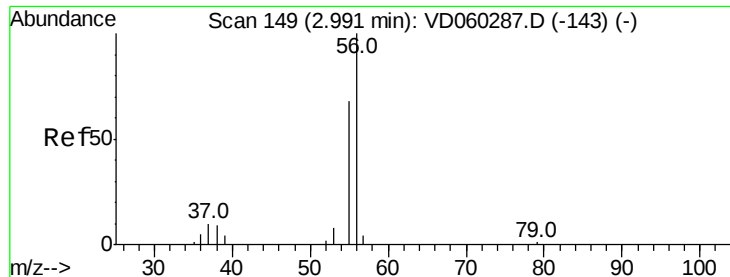


#12

1,1-Dichloroethene
Concen: 21.937 ug/l
RT: 3.10 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion: 96 Resp: 141706
Ion Ratio Lower Upper
96 100
61 166.4 142.2 213.4
98 63.0 52.6 79.0





#13

Acrolein

Concen: 67.467 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

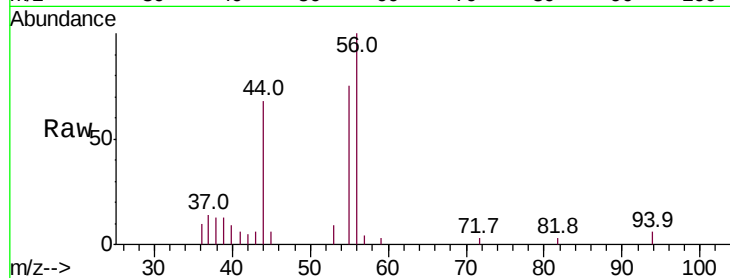
VD1126SBSD01

Tot Ion: 56 Resp: 31031

Ion Ratio Lower Upper

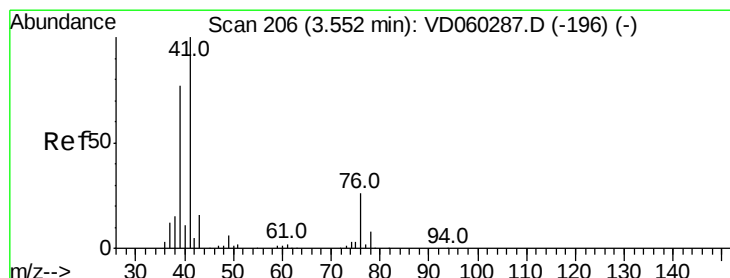
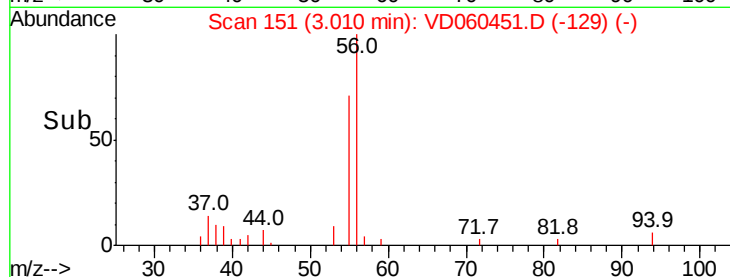
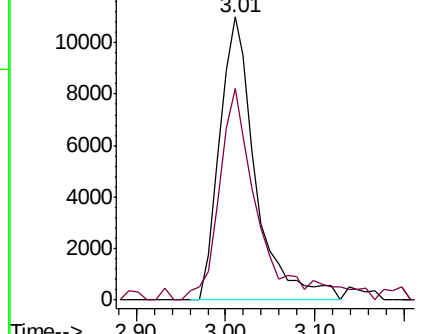
56 100

55 74.7 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: 20.563 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

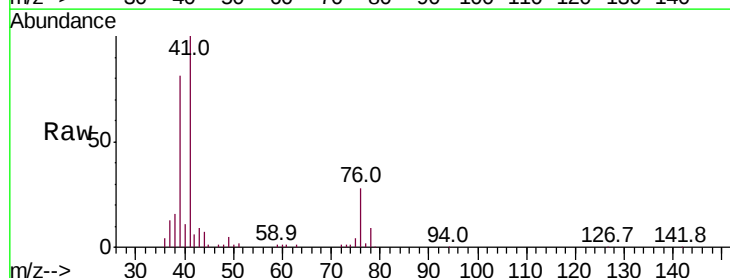
Tgt Ion: 41 Resp: 254155

Ion Ratio Lower Upper

41 100

39 80.8 60.4 90.6

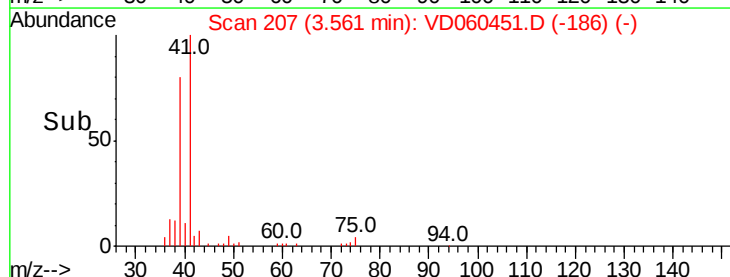
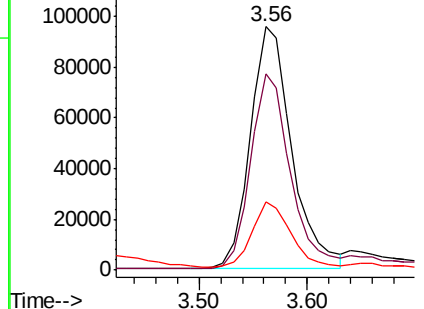
76 27.9 21.8 32.8

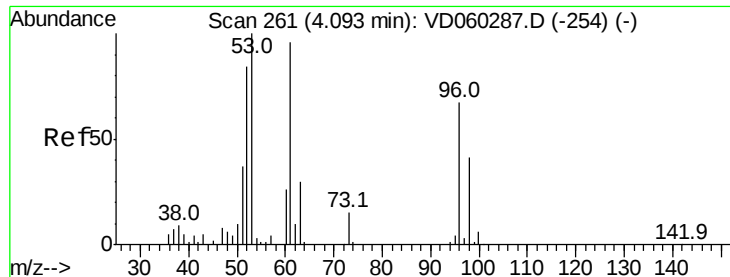


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 107.007 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.03 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

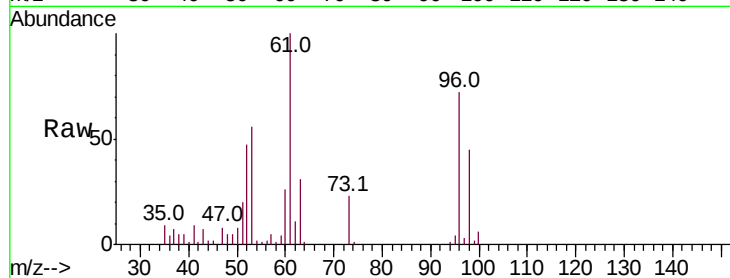
Tot Ion: 53 Resp: 242898

Ion Ratio Lower Upper

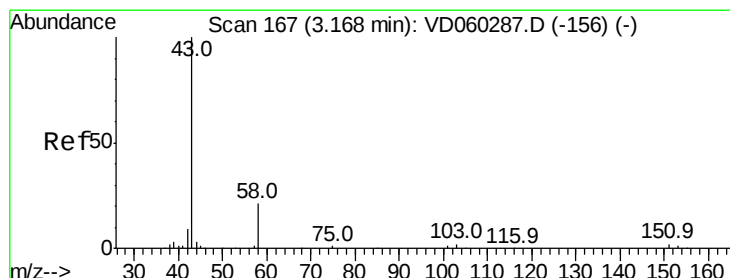
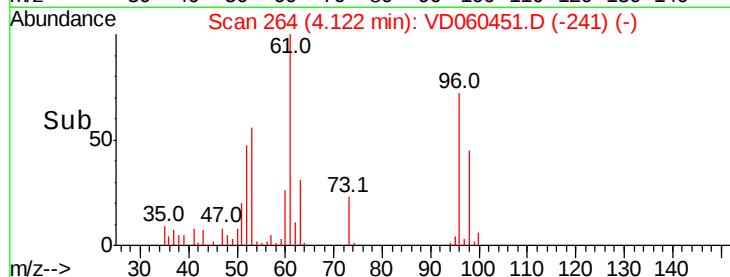
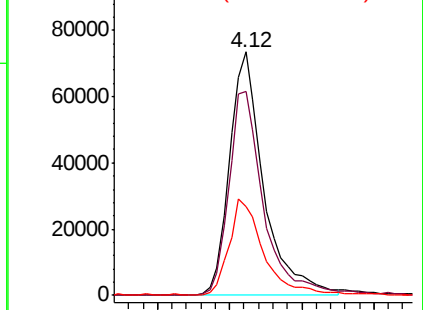
53 100

52 83.7 67.0 100.4

51 36.6 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: 111.597 ug/l

RT: 3.19 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060451.D

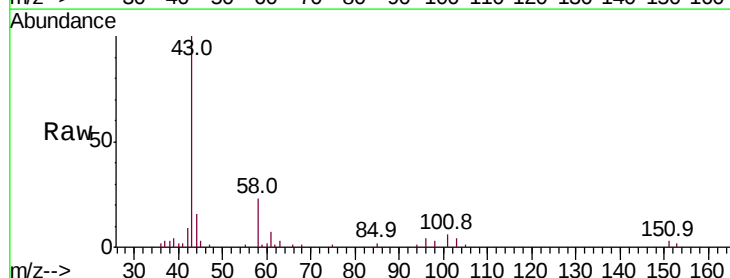
Acq: 26 Nov 2018 12:44

Tgt Ion: 43 Resp: 183497

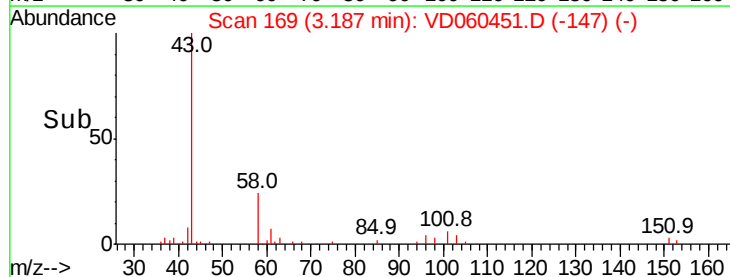
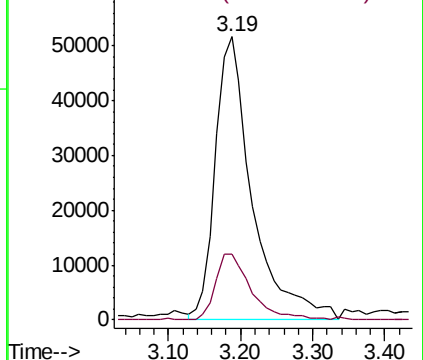
Ion Ratio Lower Upper

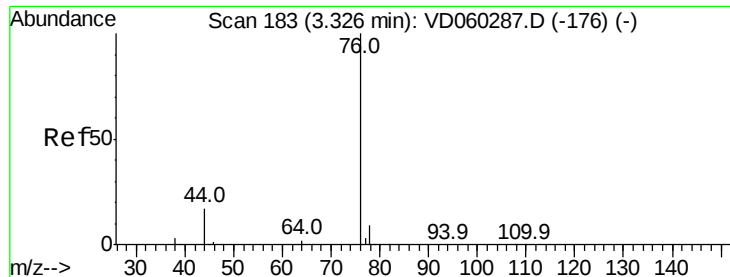
43 100

58 23.2 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: 19.849 ug/l

RT: 3.34 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

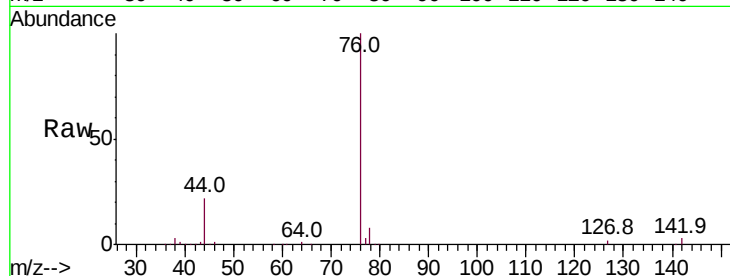
VD1126SBS01

Tot Ion: 76 Resp: 413874

Ion Ratio Lower Upper

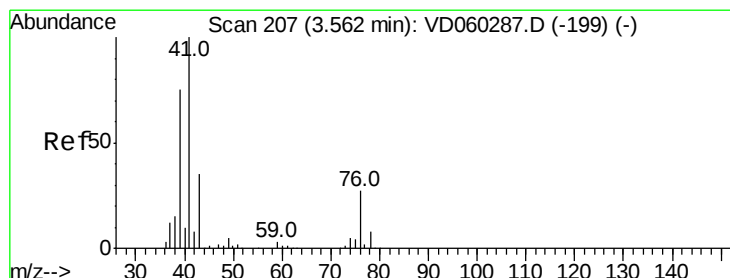
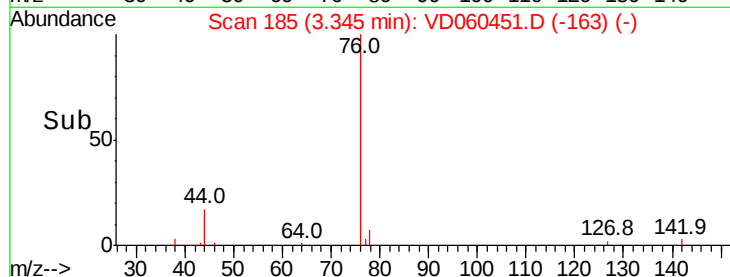
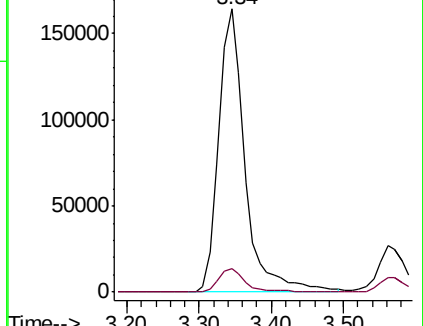
76 100

78 8.1 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: 20.826 ug/l

RT: 3.58 min Scan# 209

Delta R.T. 0.02 min

Lab File: VD060451.D

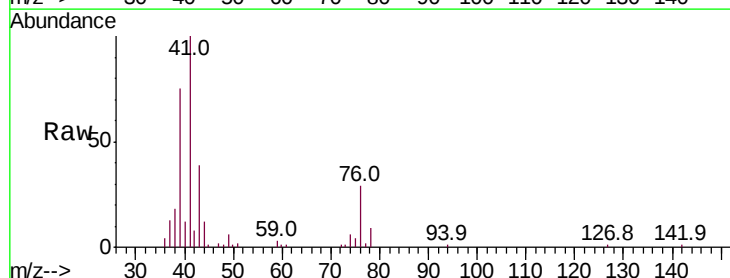
Acq: 26 Nov 2018 12:44

Tgt Ion: 43 Resp: 73015

Ion Ratio Lower Upper

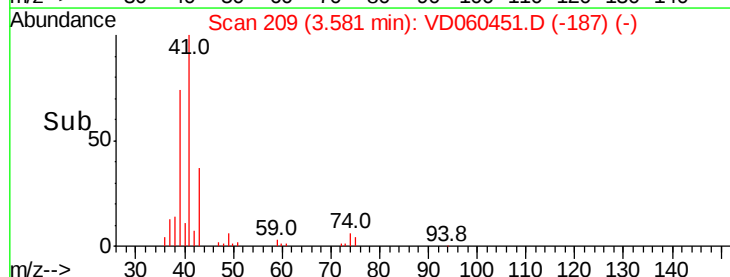
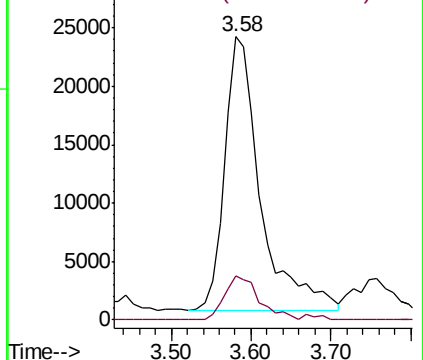
43 100

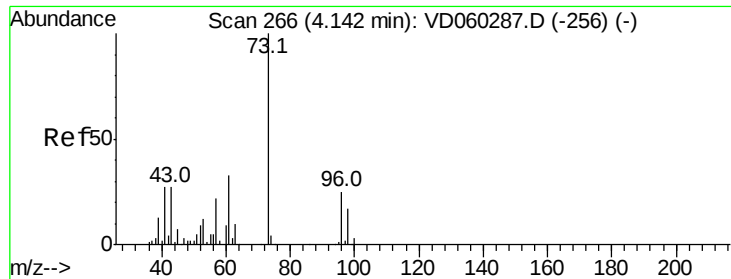
74 15.4 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

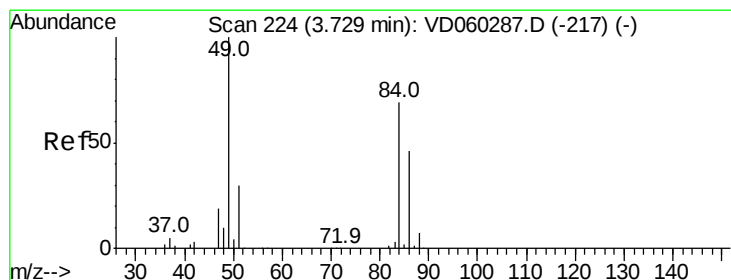
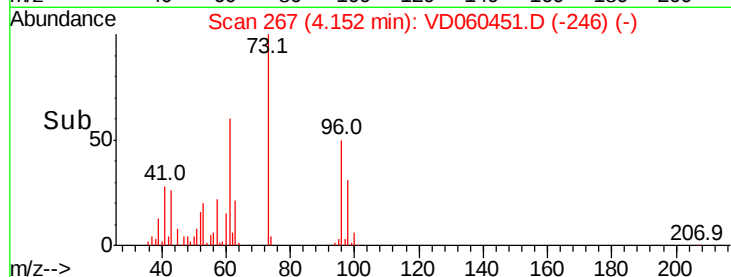
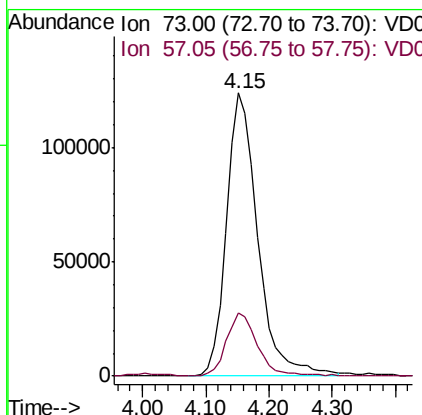
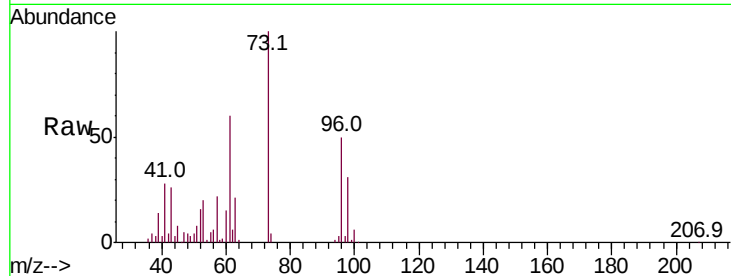




#19
Methyl tert-butyl Ether
Concen: 21.910 ug/l
RT: 4.15 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

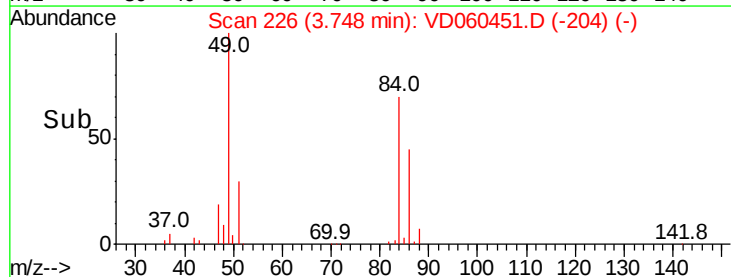
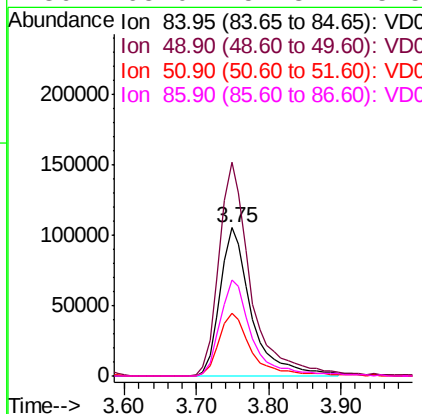
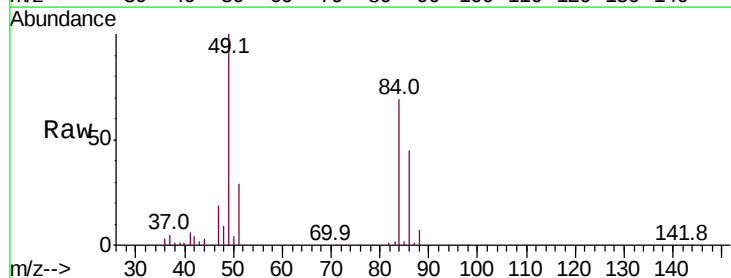
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

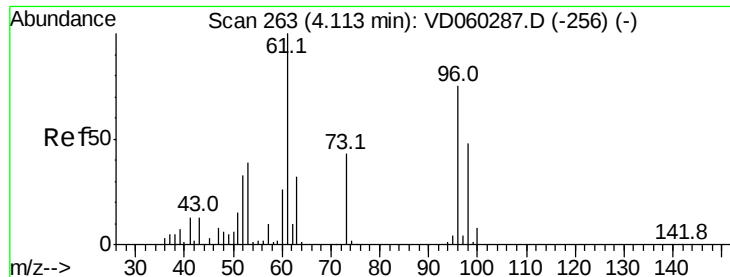
Tot Ion: 73 Resp: 423802
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1



#20
Methylene Chloride
Concen: 21.775 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion: 84 Resp: 317612
Ion Ratio Lower Upper
84 100
49 143.9 115.6 173.4
51 42.3 35.6 53.4
86 65.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 22.403 ug/l

RT: 4.13 min Scan# 265

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

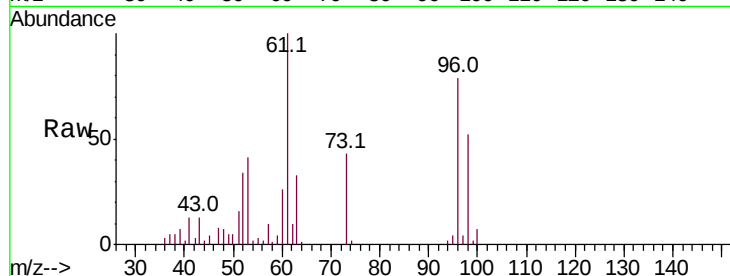
Tot Ion: 96 Resp: 321319

Ion Ratio Lower Upper

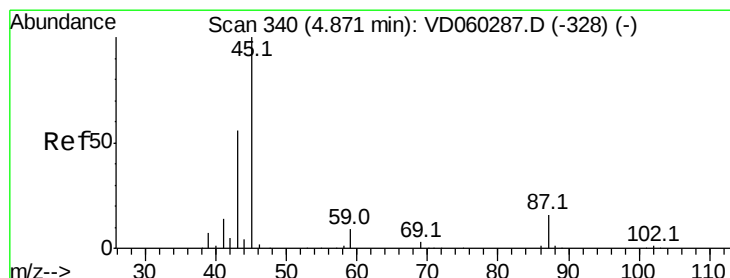
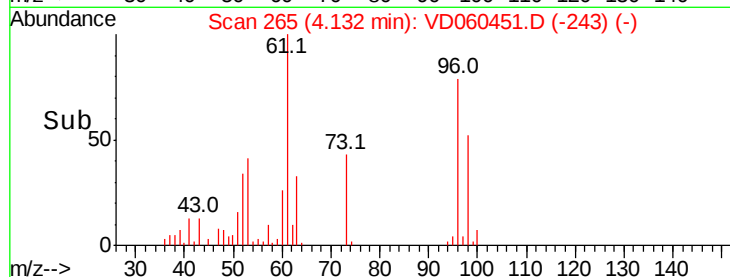
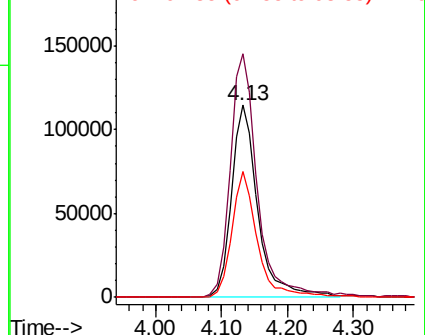
96 100

61 126.6 105.8 158.6

98 65.3 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: 21.709 ug/l

RT: 4.89 min Scan# 342

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Tgt Ion: 45 Resp: 1002473

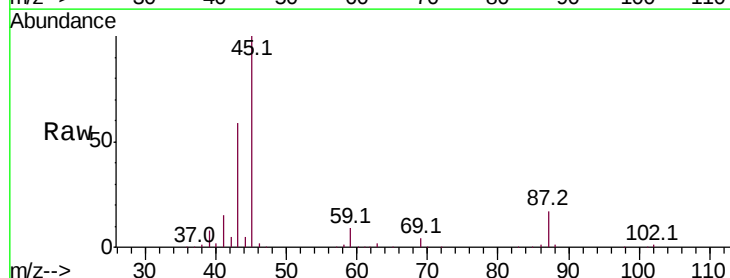
Ion Ratio Lower Upper

45 100

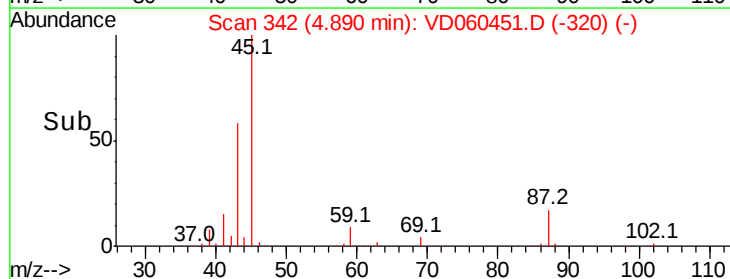
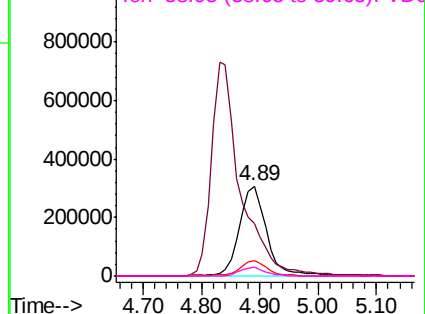
43 58.5 44.9 67.3

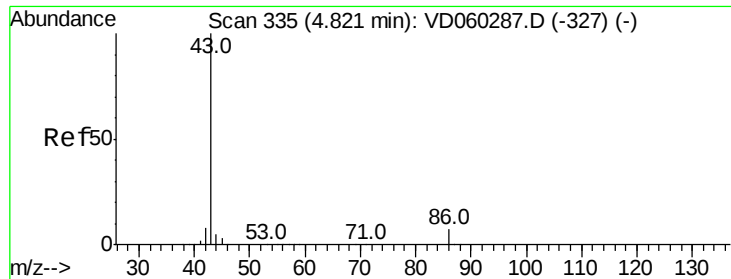
87 16.7 13.9 20.9

59 9.5 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: 109.305 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

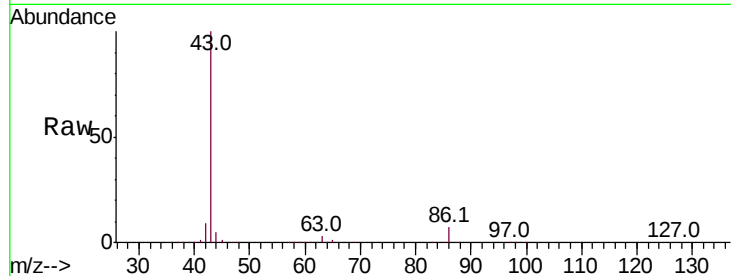
VD1126SBS01

Tot Ion: 43 Resp: 2511526

Ion Ratio Lower Upper

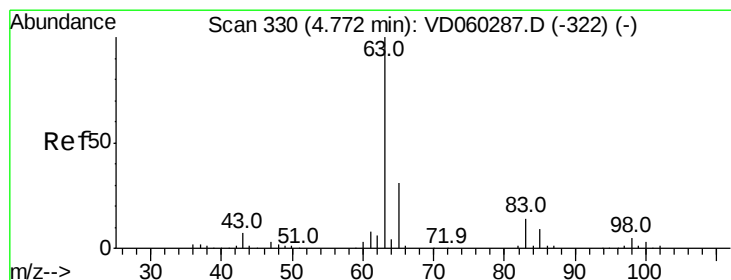
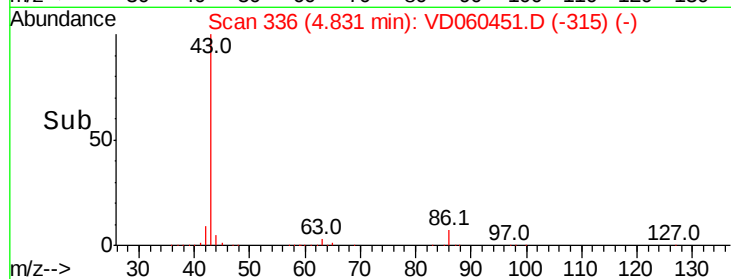
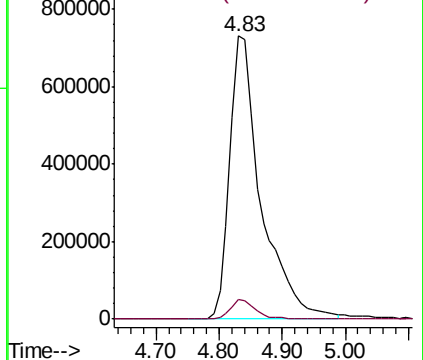
43 100

86 6.9 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.390 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

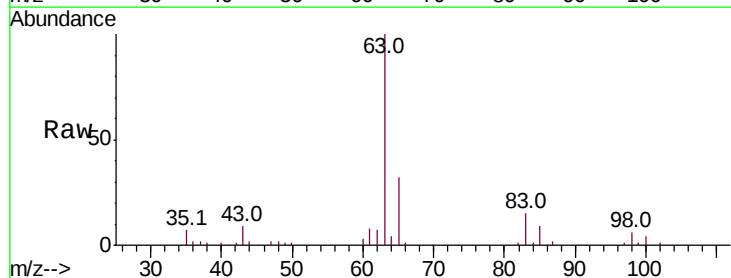
Tgt Ion: 63 Resp: 530185

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

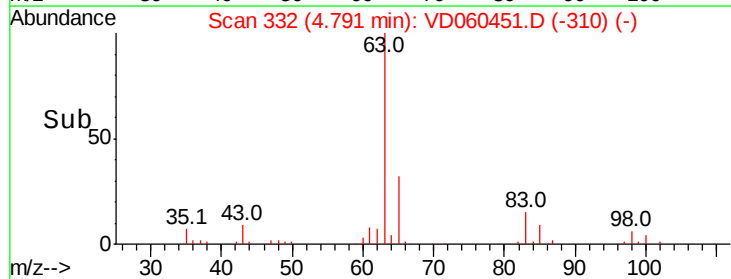
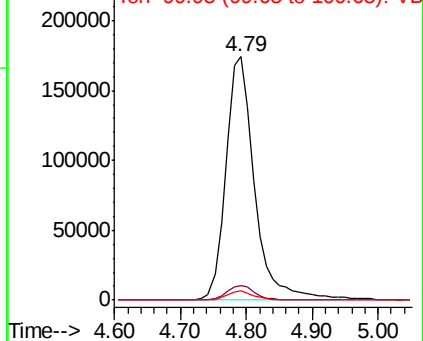
100 3.9 1.8 5.5

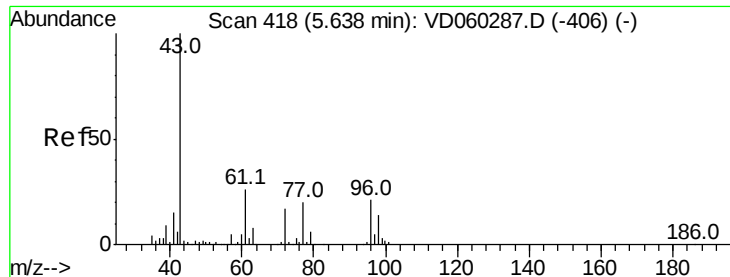


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 107.751 ug/l

RT: 5.65 min Scan# 419

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

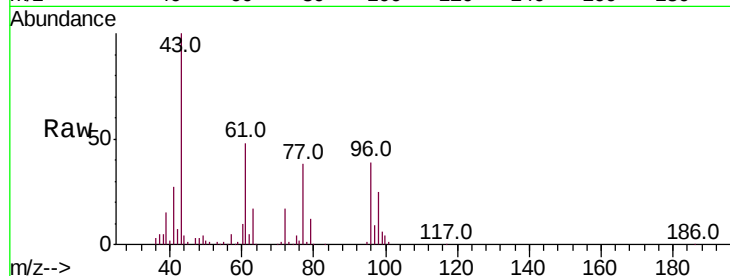
VD1126SBSD01

Tot Ion: 43 Resp: 368266

Ion Ratio Lower Upper

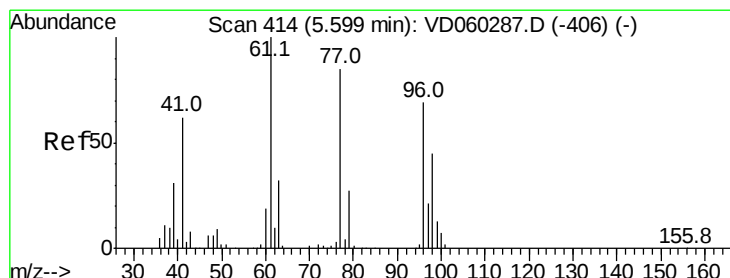
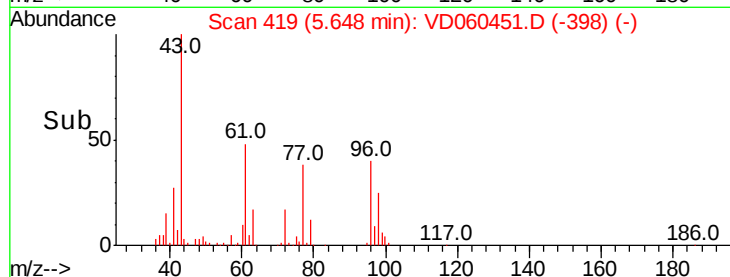
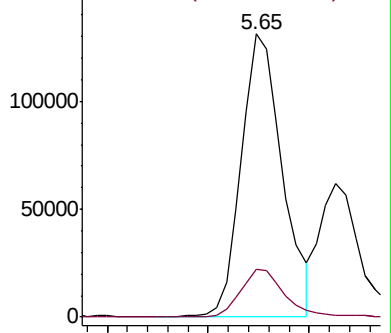
43 100

72 16.8 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: 22.799 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060451.D

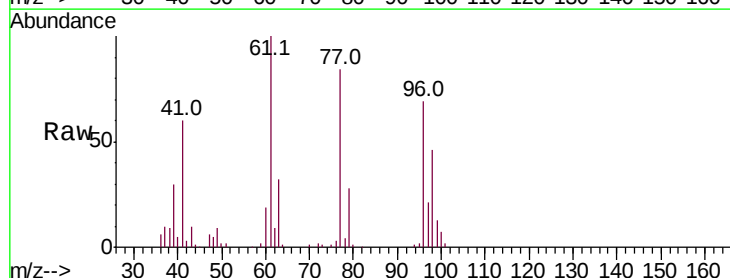
Acq: 26 Nov 2018 12:44

Tgt Ion: 77 Resp: 419738

Ion Ratio Lower Upper

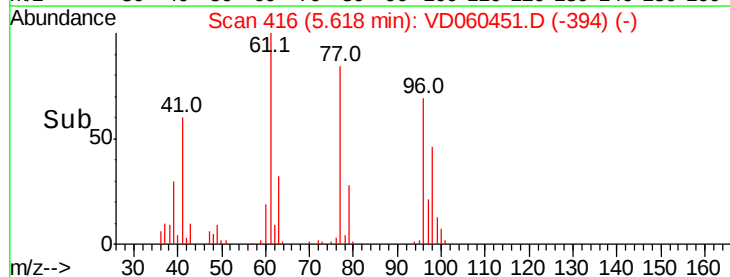
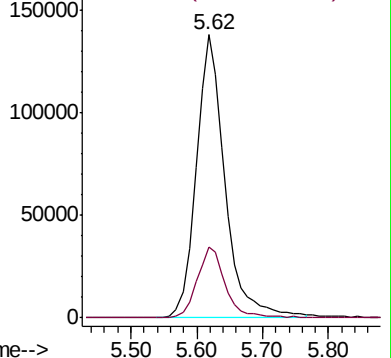
77 100

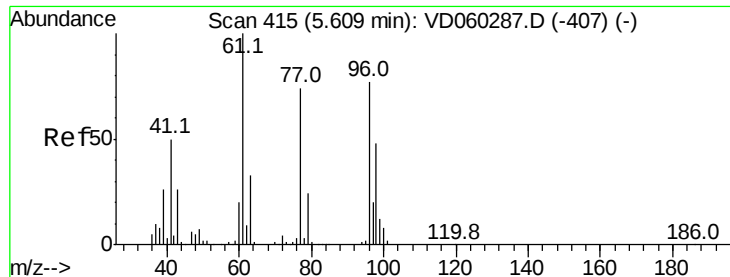
97 24.9 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



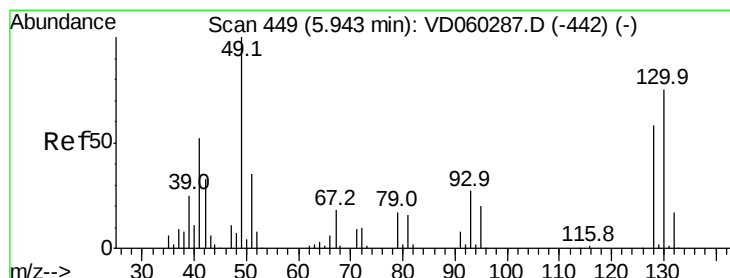
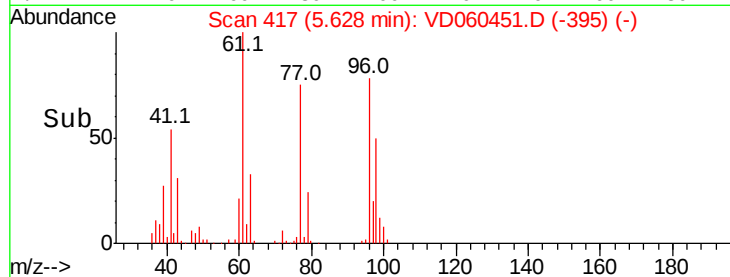
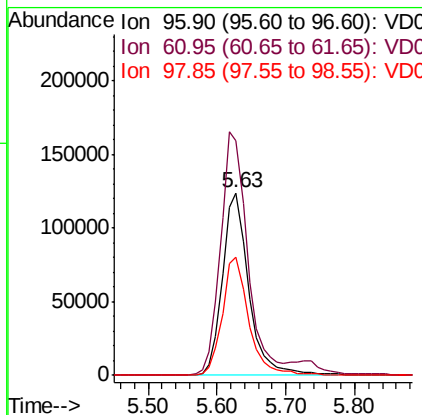
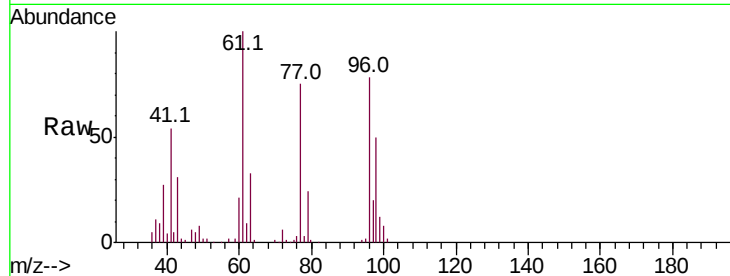


#27

cis-1,2-Dichloroethene
Concen: 22.053 ug/l
RT: 5.63 min Scan# 417
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

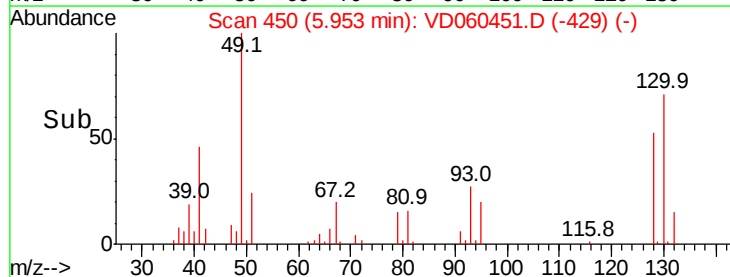
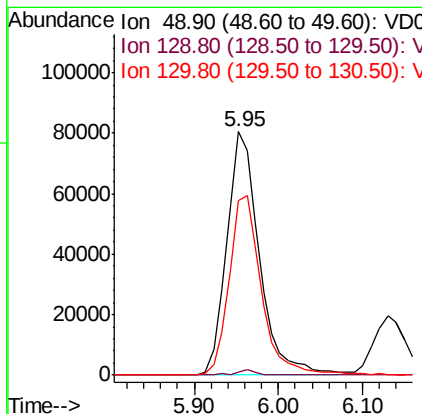
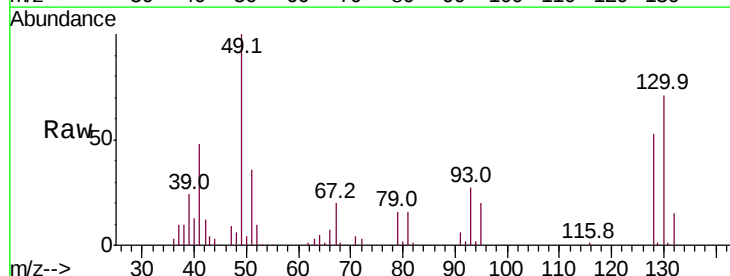
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.6	0.0	259.0
98	64.6	0.0	128.8

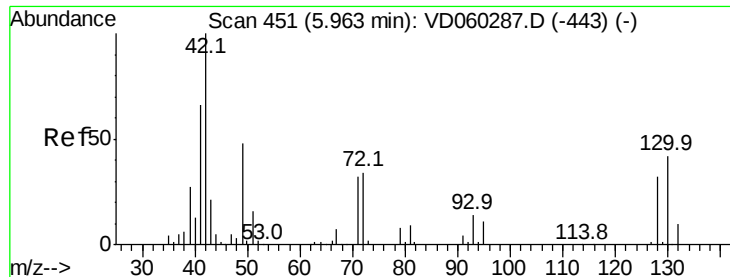


#28

Bromochloromethane
Concen: 20.687 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.8
130	71.4	53.6	80.4





#29

Tetrahydrofuran

Concen: 104.342 ug/l

RT: 5.98 min Scan# 453

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

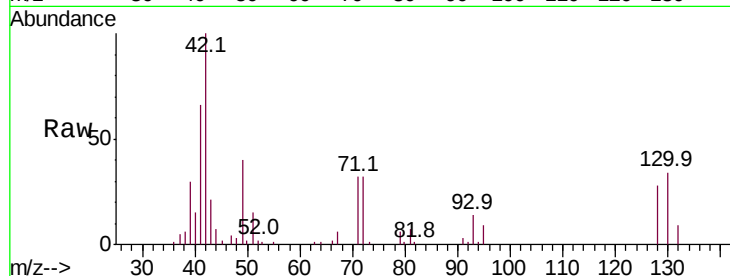
Tot Ion: 42 Resp: 188017

Ion Ratio Lower Upper

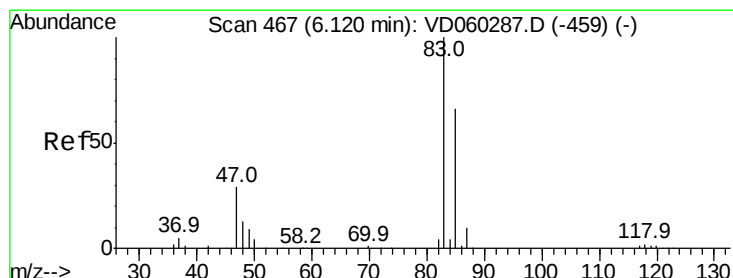
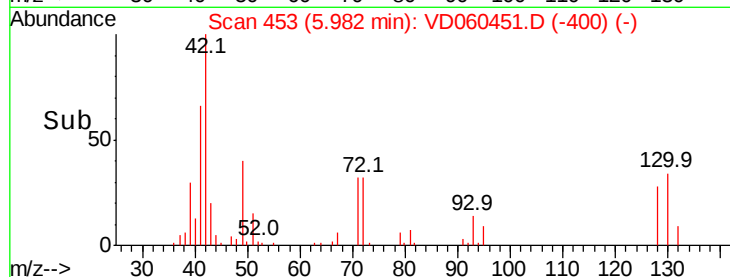
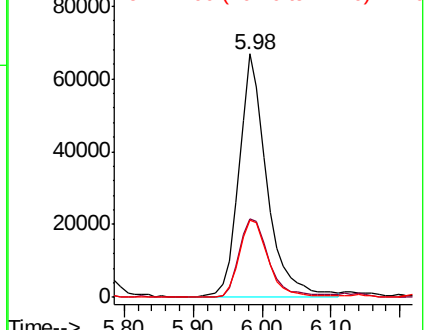
42 100

72 34.3 27.6 41.4

71 33.1 26.5 39.7



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



#30

Chloroform

Concen: 22.370 ug/l

RT: 6.13 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD060451.D

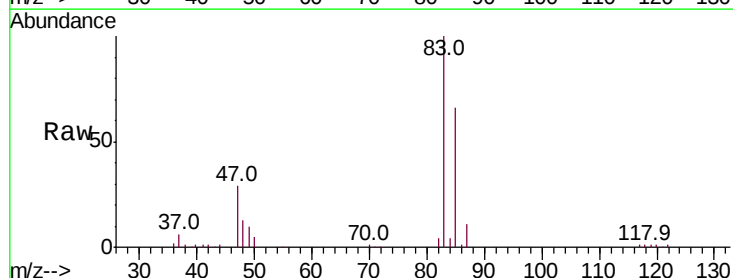
Acq: 26 Nov 2018 12:44

Tgt Ion: 83 Resp: 529554

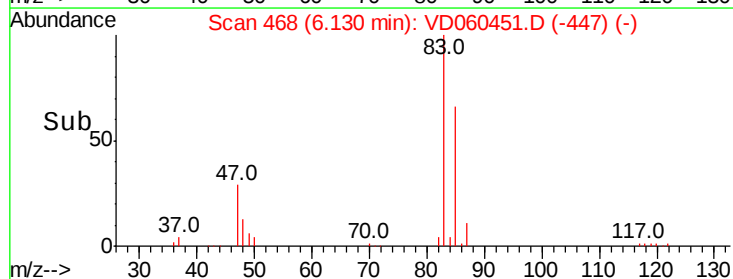
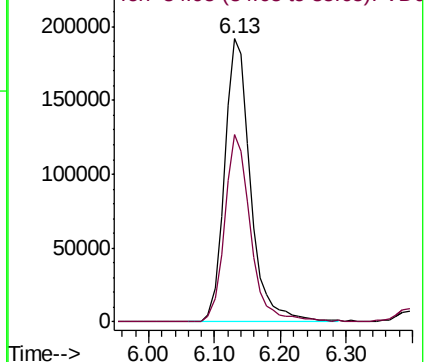
Ion Ratio Lower Upper

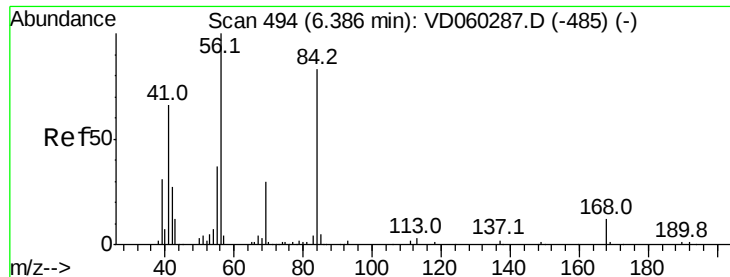
83 100

85 66.3 52.5 78.7



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

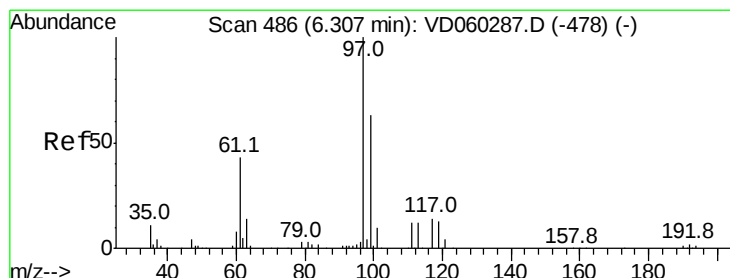
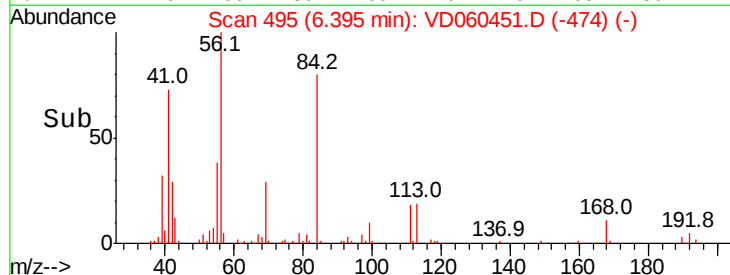
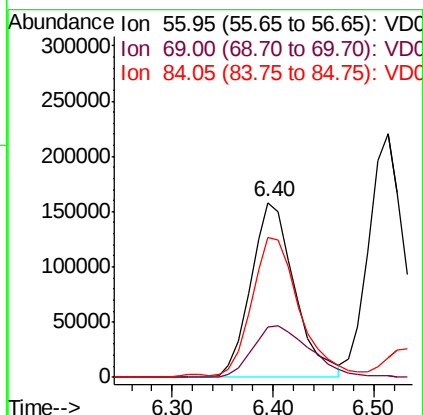
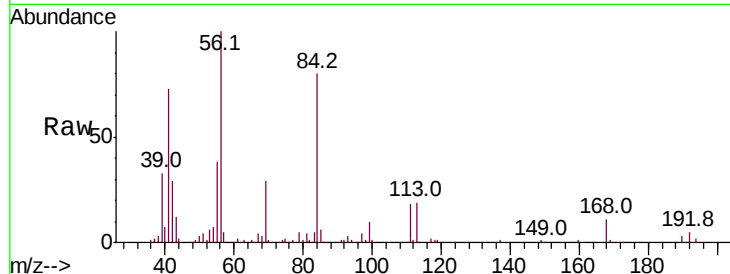




#31
Cyclohexane
Concen: 21.072 ug/l
RT: 6.40 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

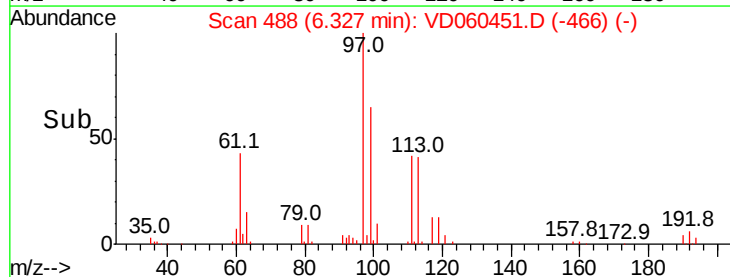
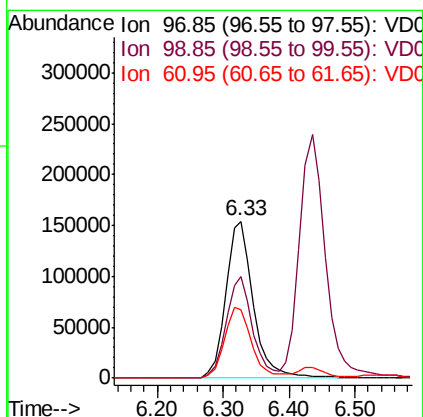
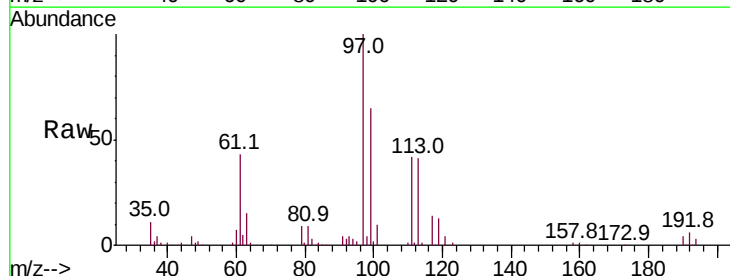
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

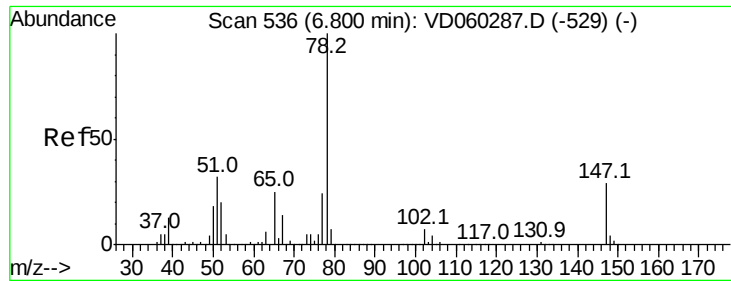
Tot Ion: 56 Resp: 476914
Ion Ratio Lower Upper
56 100
69 28.8 22.2 33.2
84 80.3 63.0 94.4



#32
1,1,1-Trichloroethane
Concen: 22.503 ug/l
RT: 6.33 min Scan# 488
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion: 97 Resp: 448727
Ion Ratio Lower Upper
97 100
99 64.8 51.5 77.3
61 43.4 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 22.503 ug/l

RT: 6.82 min Scan# 538

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

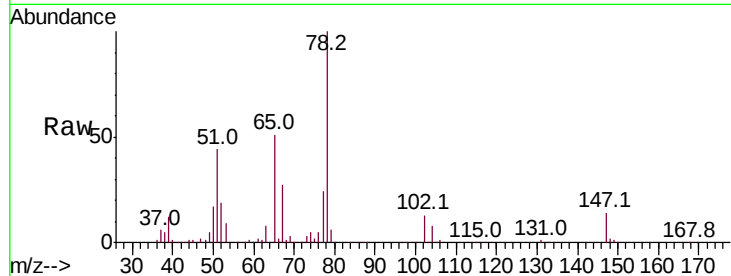
VD1126SBSD01

Tot Ion: 65 Resp: 479315

Ion Ratio Lower Upper

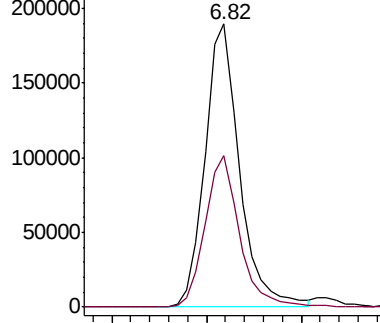
65 100

67 53.6 0.0 109.8

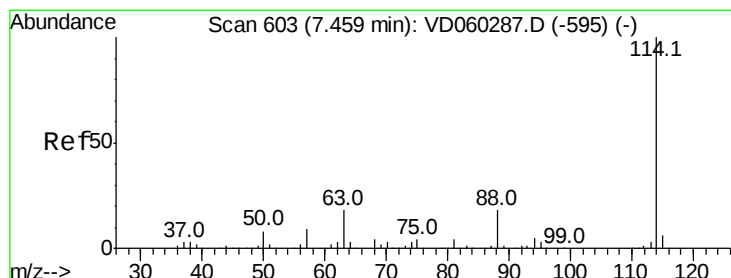
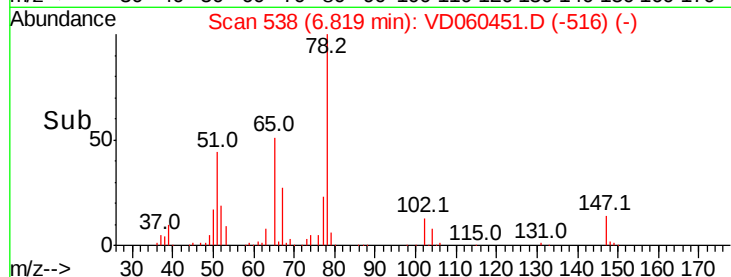


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

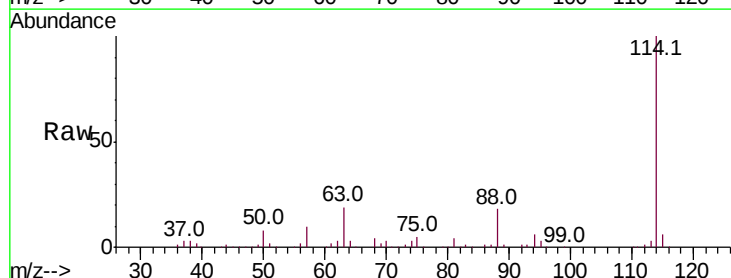
Tgt Ion:114 Resp: 1854215

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.0

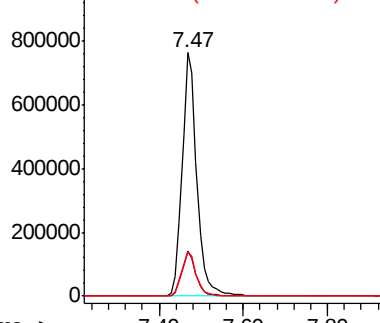
88 18.1 0.0 35.4



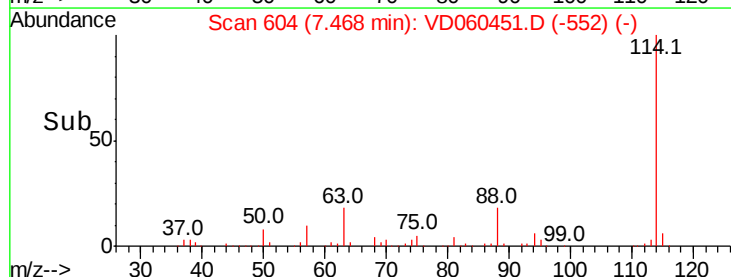
Abundance Ion 114.00 (113.70 to 114.70): V

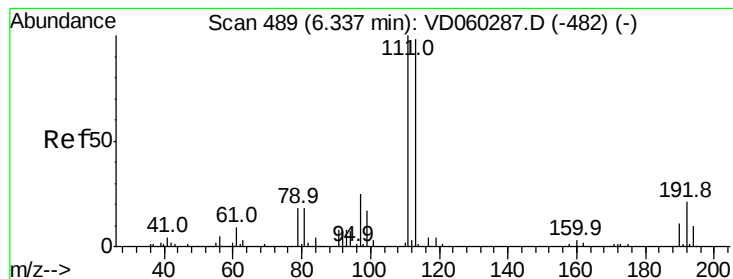
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.36 min Scan# 491

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

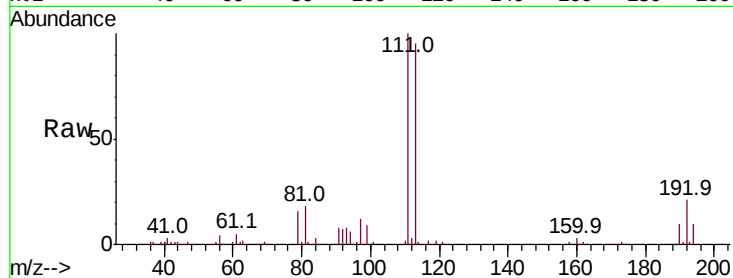
Tot Ion:113 Resp: 713292

Ion Ratio Lower Upper

113 100

111 105.4 81.6 122.4

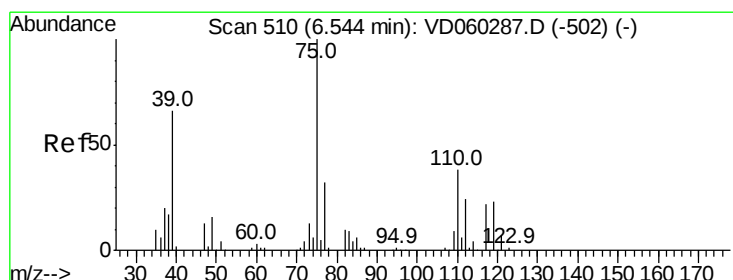
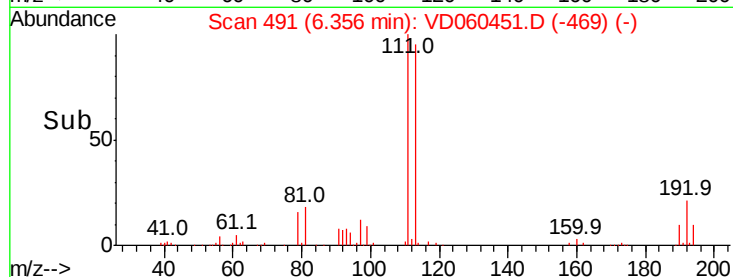
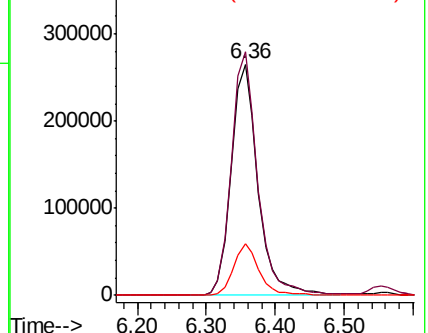
192 22.4 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.374 ug/l

RT: 6.55 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

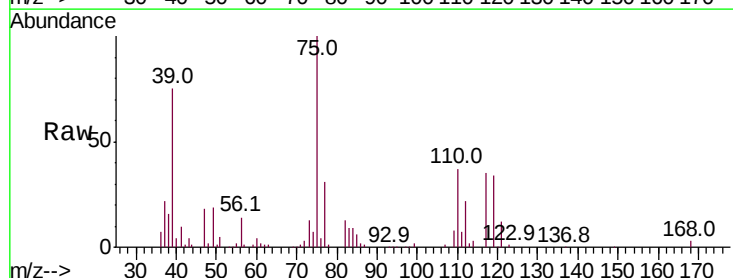
Tgt Ion: 75 Resp: 391554

Ion Ratio Lower Upper

75 100

110 36.7 18.0 54.0

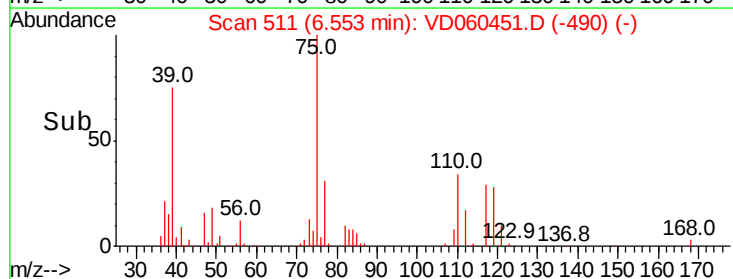
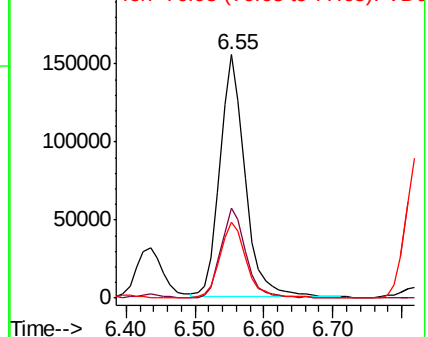
77 30.9 25.6 38.4

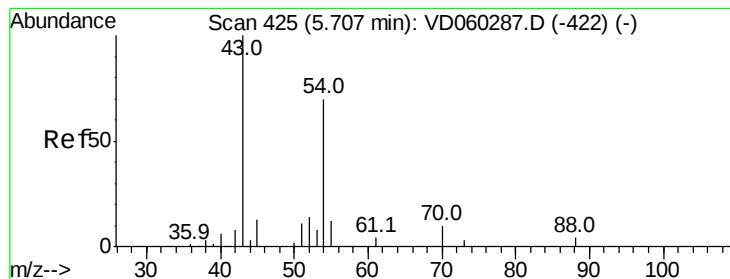


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 20.715 ug/l

RT: 5.73 min Scan# 427

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

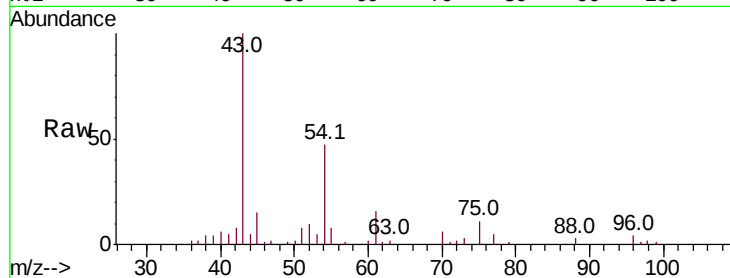
Tot Ion: 43 Resp: 174618

Ion Ratio Lower Upper

43 100

61 16.4 11.8 17.6

70 6.0 6.2 9.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

200000

150000

100000

50000

0

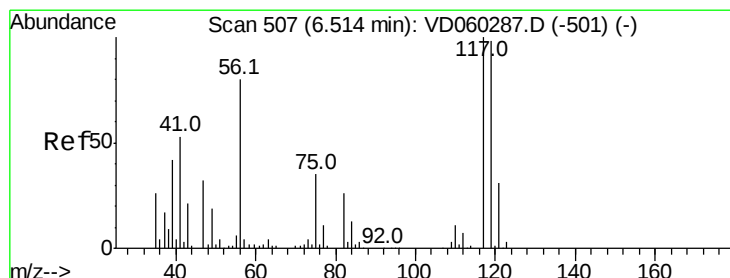
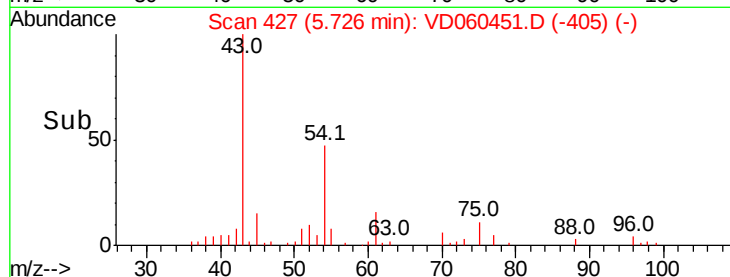
5.70

5.73

5.80

5.90

Time-->



#38

Carbon Tetrachloride

Concen: 22.021 ug/l

RT: 6.53 min Scan# 509

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

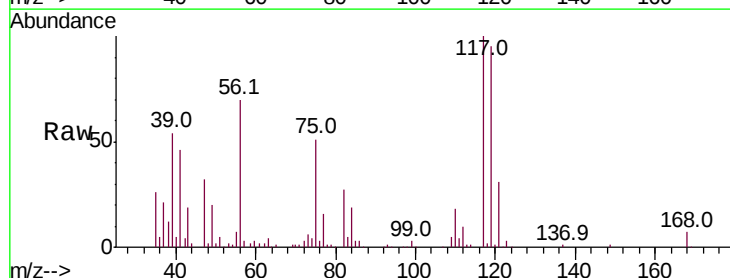
Tgt Ion: 117 Resp: 374199

Ion Ratio Lower Upper

117 100

119 94.9 76.6 115.0

121 30.8 24.3 36.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

150000

100000

50000

0

6.40

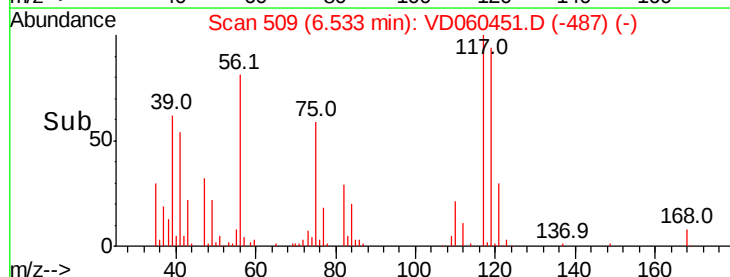
6.50

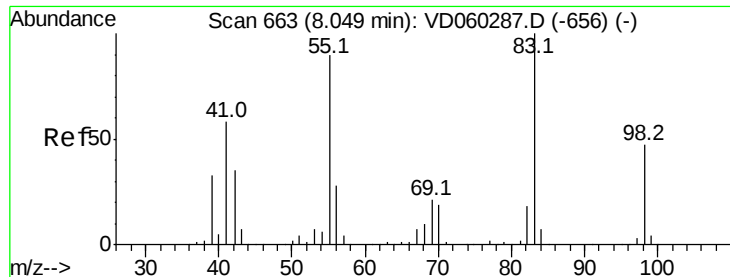
6.53

6.60

6.70

Time-->

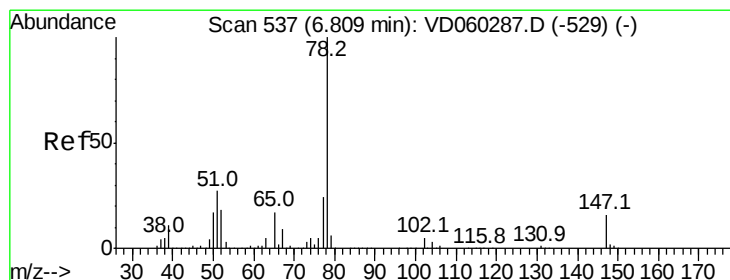
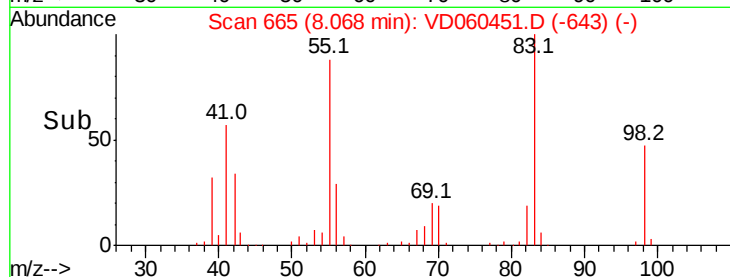
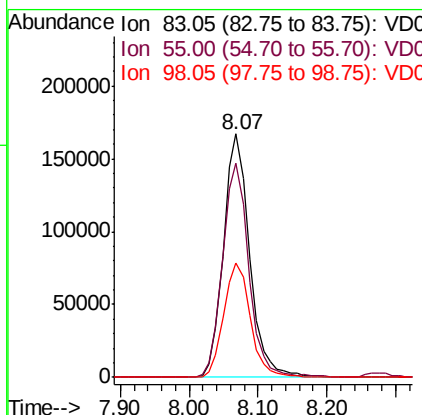
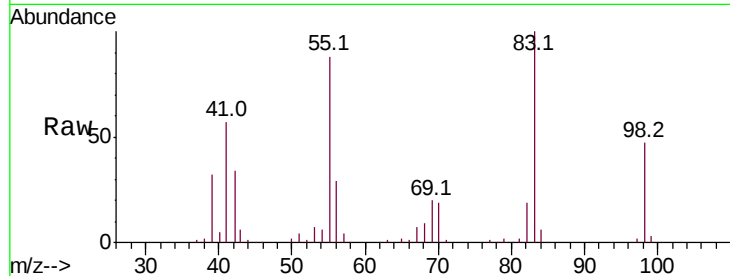




#39
Methvlcvclohexane
Concen: 20.828 ug/l
RT: 8.07 min Scan# 665
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

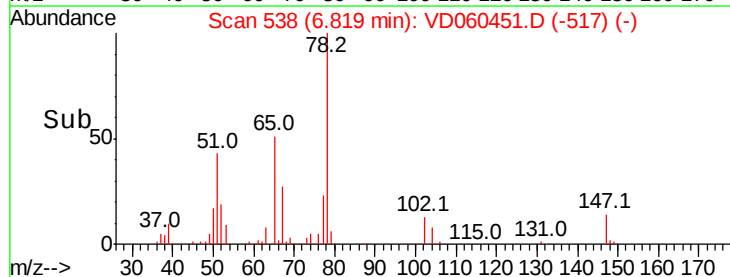
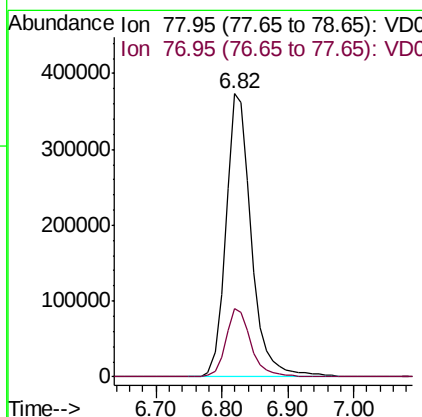
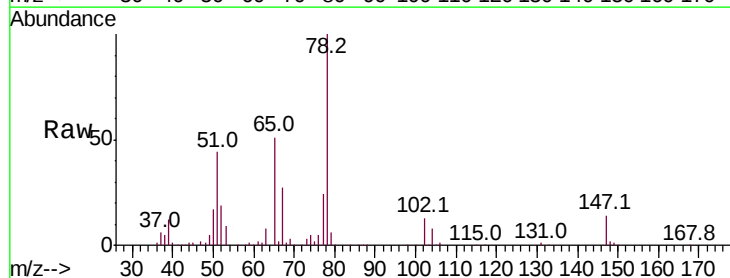
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

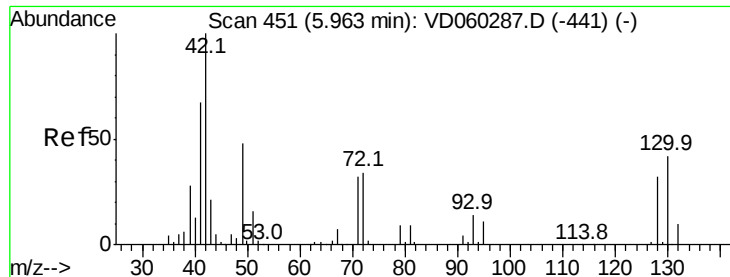
Tot Ion: 83 Resp: 438829
Ion Ratio Lower Upper
83 100
55 87.9 71.2 106.8
98 47.2 38.4 57.6



#40
Benzene
Concen: 21.494 ug/l
RT: 6.82 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion: 78 Resp: 1005078
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

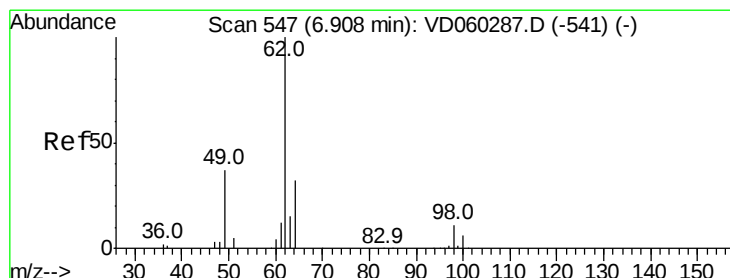
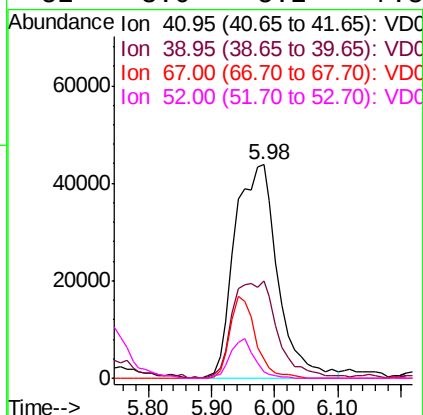
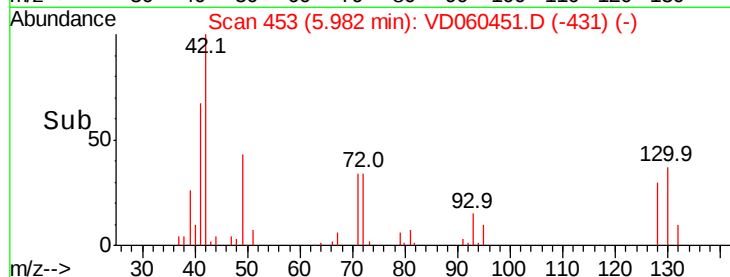
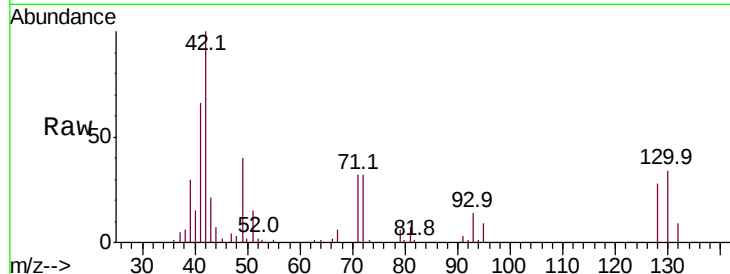




#41
Methacrylonitrile
Concen: 21.430 ug/l
RT: 5.98 min Scan# 453
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

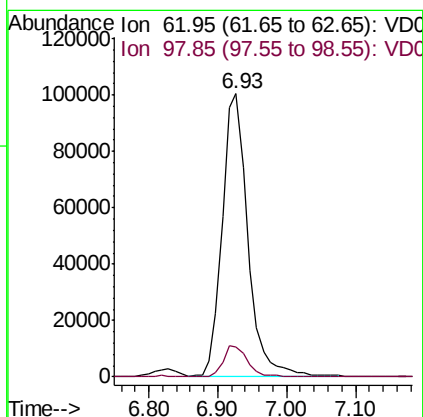
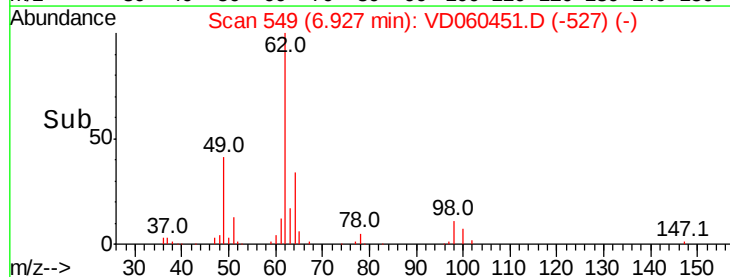
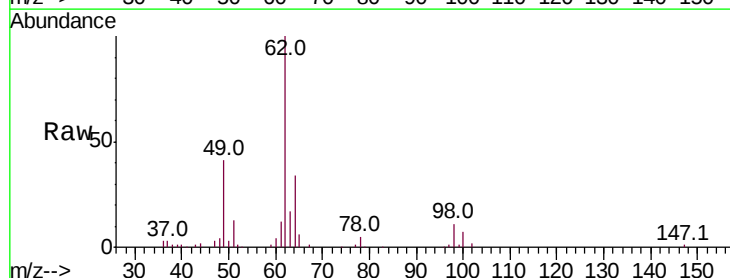
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

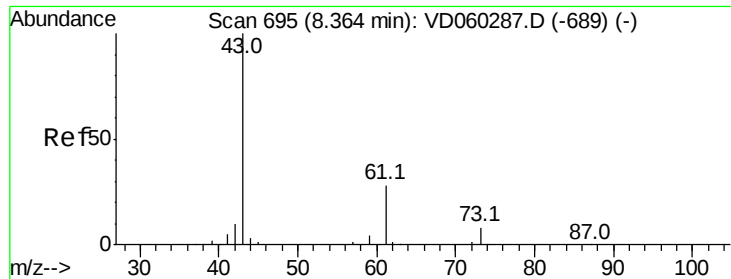
Tot Ion: 41 Resp: 206757
Ion Ratio Lower Upper
41 100
39 45.7 36.2 54.2
67 8.8 11.9 17.9#
52 3.0 5.2 7.8#



#42
1,2-Dichloroethane
Concen: 21.038 ug/l
RT: 6.93 min Scan# 549
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion: 62 Resp: 257494
Ion Ratio Lower Upper
62 100
98 10.7 0.0 22.0





#43

Isopropyl Acetate

Concen: 20.323 ug/l

RT: 8.37 min Scan# 696

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

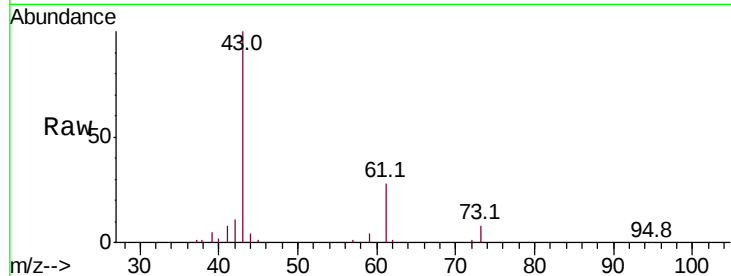
Tot Ion: 43 Resp: 215190

Ion Ratio Lower Upper

43 100

61 28.1 22.3 33.5

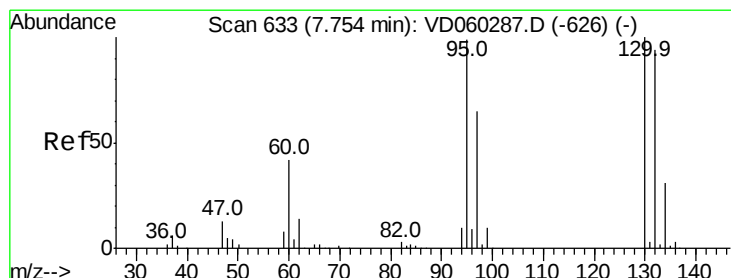
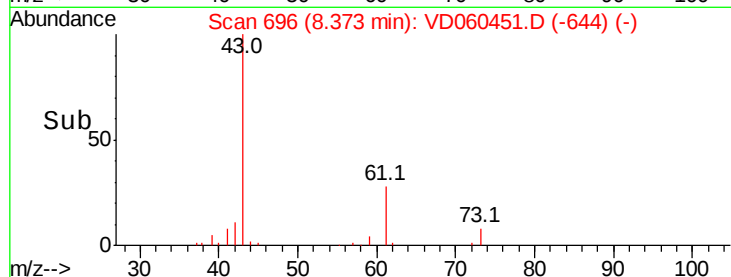
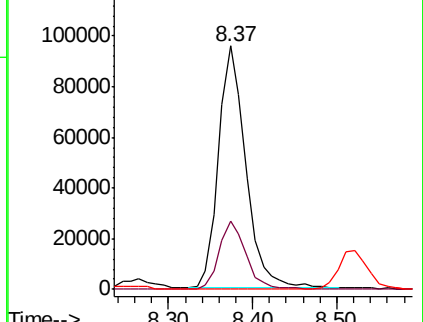
87 0.0 0.2 0.2#



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: 22.176 ug/l

RT: 7.77 min Scan# 635

Delta R.T. 0.02 min

Lab File: VD060451.D

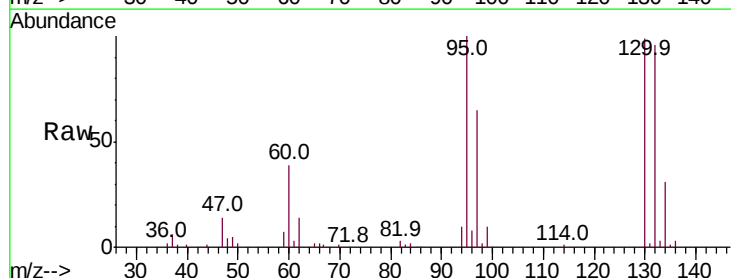
Acq: 26 Nov 2018 12:44

Tgt Ion: 130 Resp: 314348

Ion Ratio Lower Upper

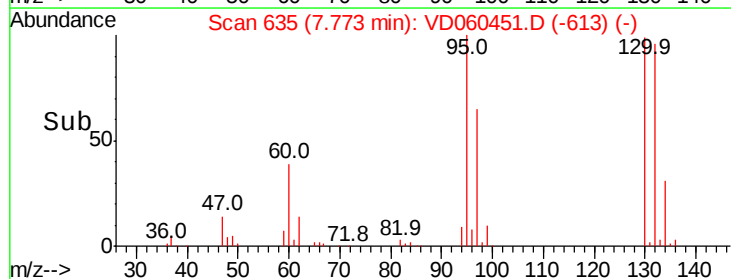
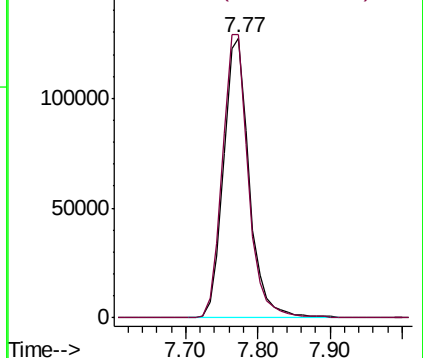
130 100

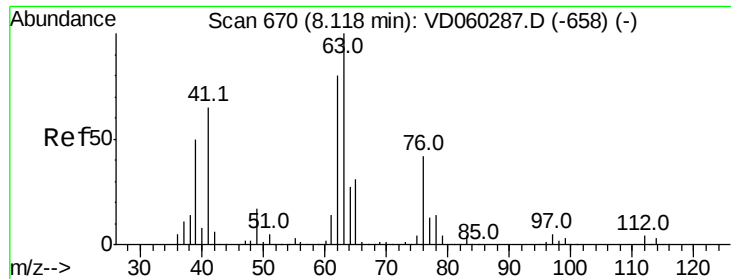
95 101.1 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.129 ug/l

RT: 8.13 min Scan# 671

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

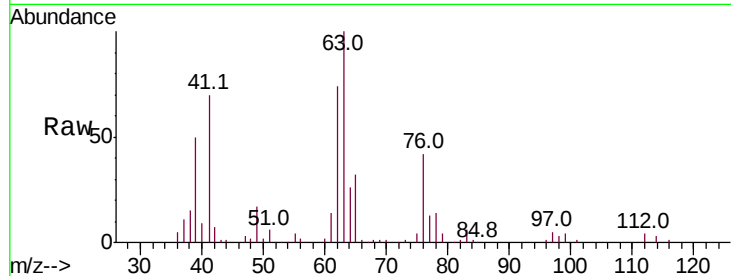
VD1126SBS01

Tot Ion: 63 Resp: 260975

Ion Ratio Lower Upper

63 100

65 32.3 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.13

120000

100000

80000

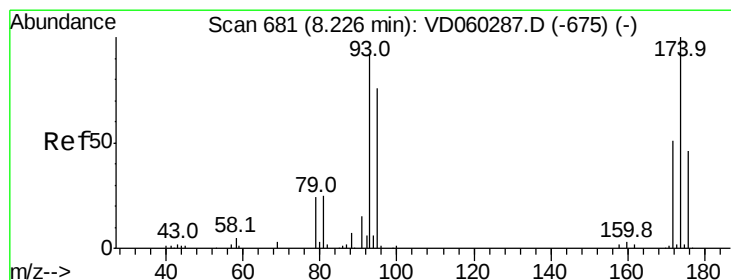
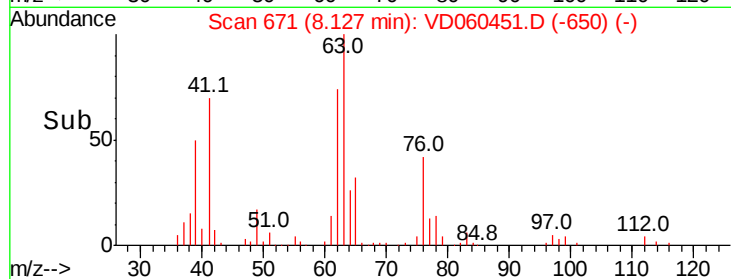
60000

40000

20000

0

Time--> 7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 21.579 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

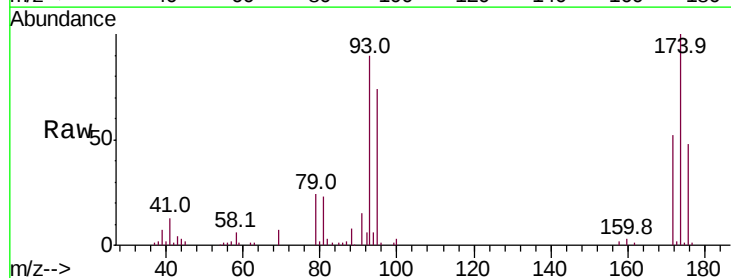
Tgt Ion: 93 Resp: 149046

Ion Ratio Lower Upper

93 100

95 81.4 66.4 99.6

174 110.6 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

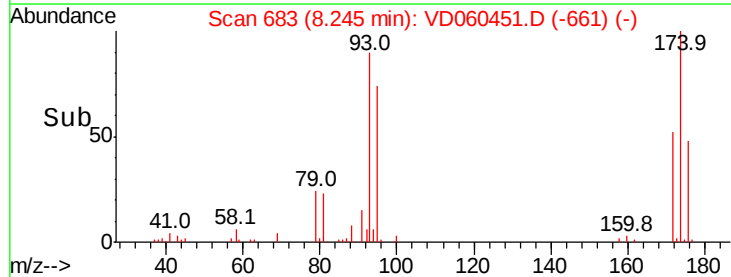
60000

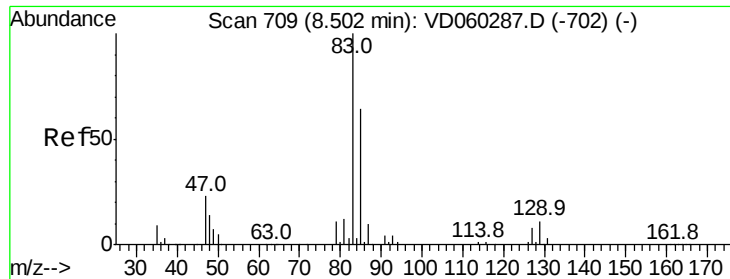
40000

20000

0

Time--> 8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 21.729 ug/l

RT: 8.52 min Scan# 711

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

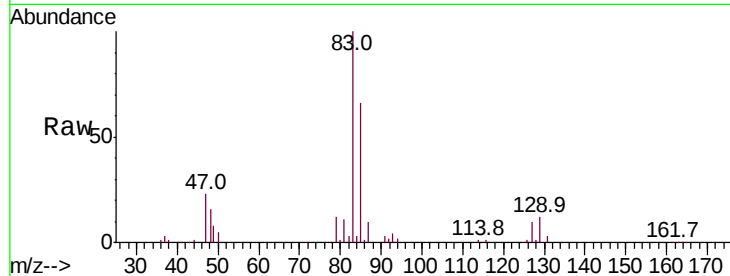
Tot Ion: 83 Resp: 353670

Ion Ratio Lower Upper

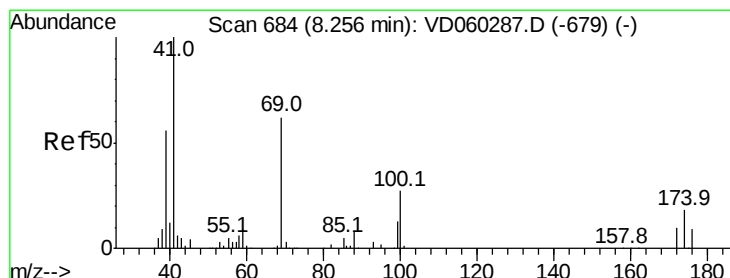
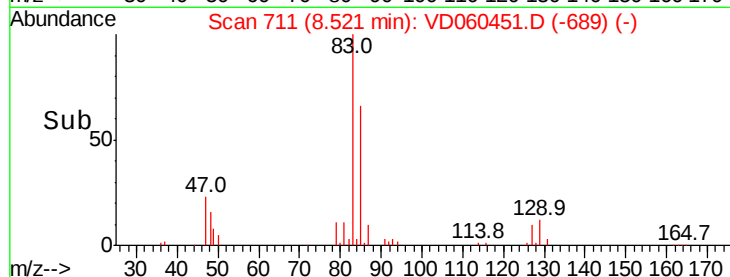
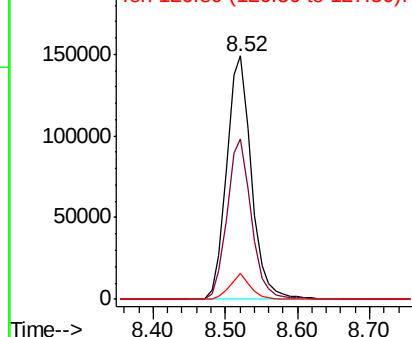
83 100

85 66.1 51.0 76.6

127 10.5 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: 20.364 ug/l

RT: 8.28 min Scan# 686

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

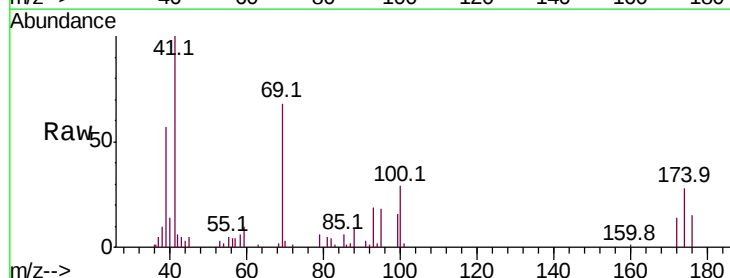
Tgt Ion: 41 Resp: 130974

Ion Ratio Lower Upper

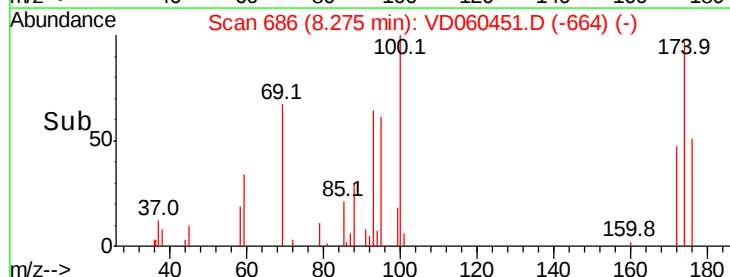
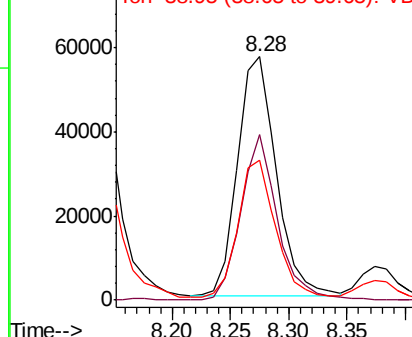
41 100

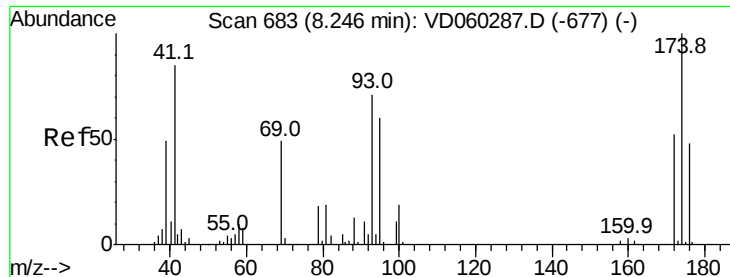
69 67.8 47.0 70.4

39 57.3 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: 442.825 ug/l

RT: 8.26 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

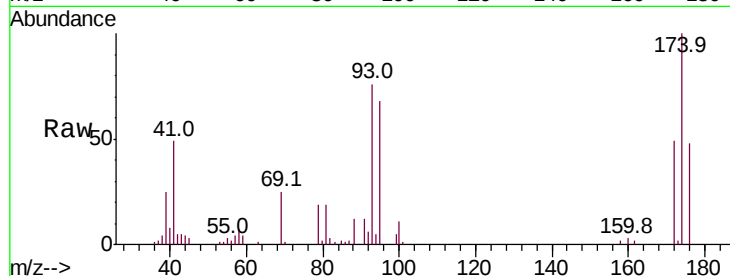
Tot Ion: 88 Resp: 24643

Ion Ratio Lower Upper

88 100

43 38.7 39.7 59.5#

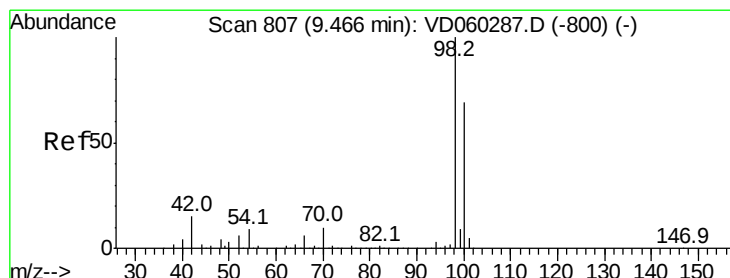
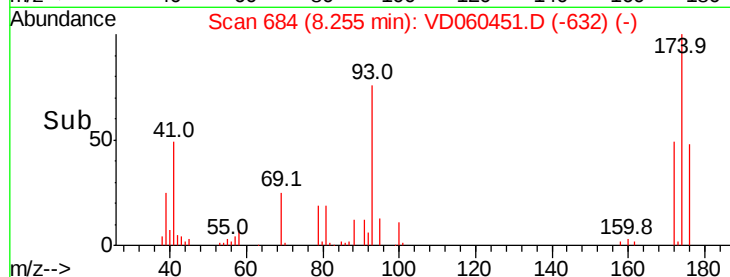
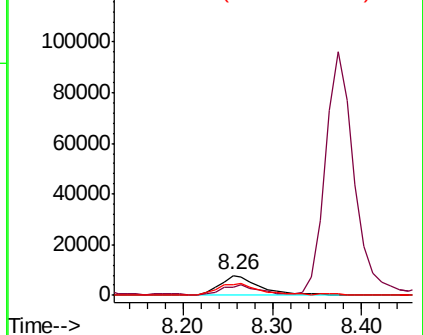
58 55.0 60.2 90.2#



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: 442.825 ug/l

RT: 9.49 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD060451.D

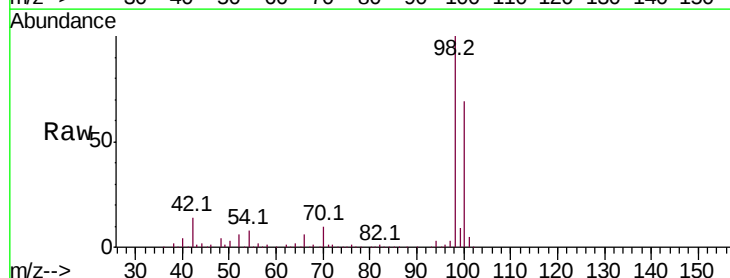
Acq: 26 Nov 2018 12:44

Tgt Ion: 98 Resp: 2028396

Ion Ratio Lower Upper

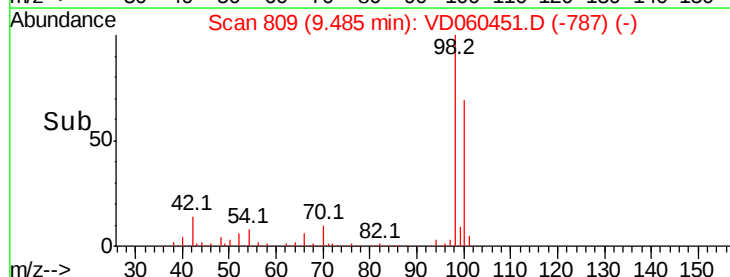
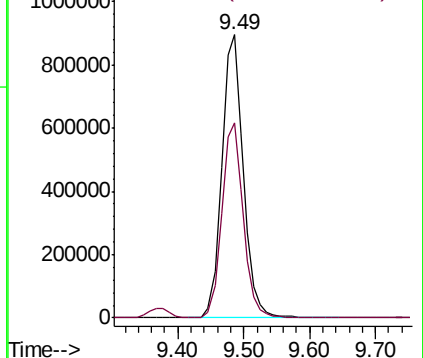
98 100

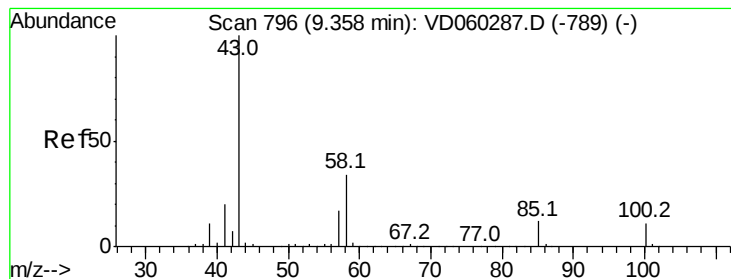
100 69.0 55.2 82.8



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: 104.857 ug/l

RT: 9.37 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

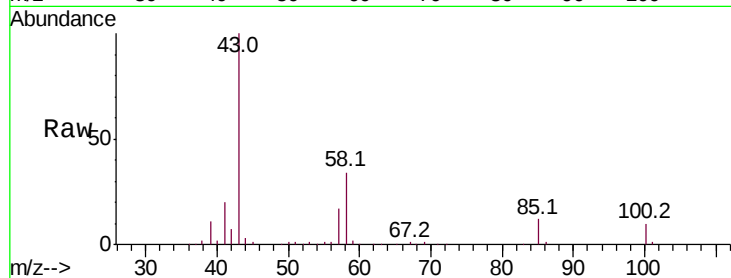
VD1126SBS01

Tot Ion: 43 Resp: 722647

Ion Ratio Lower Upper

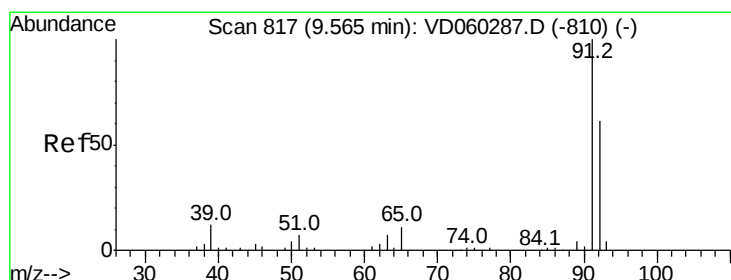
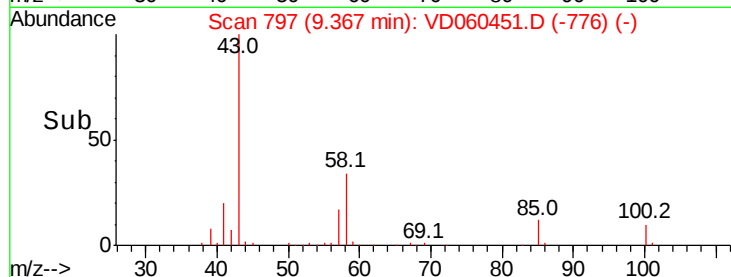
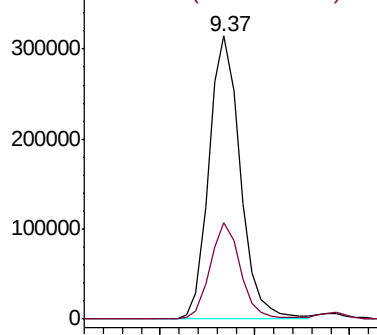
43 100

58 33.9 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: 21.961 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060451.D

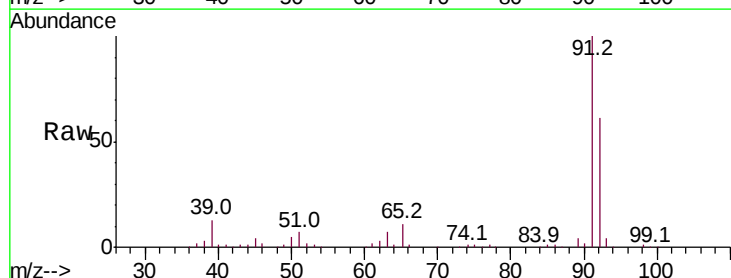
Acq: 26 Nov 2018 12:44

Tgt Ion: 92 Resp: 655981

Ion Ratio Lower Upper

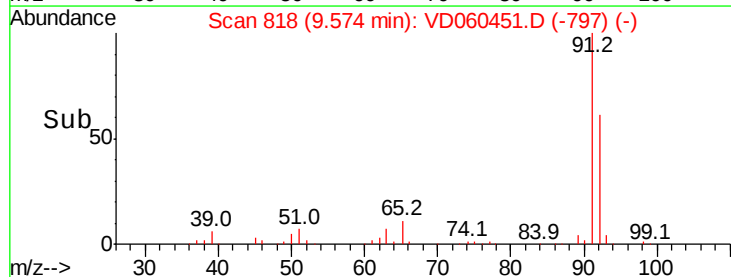
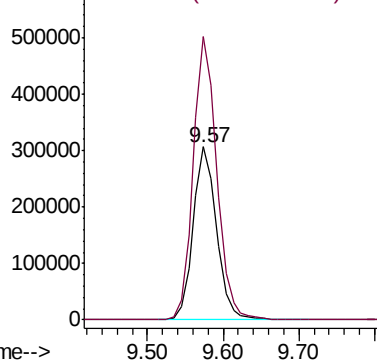
92 100

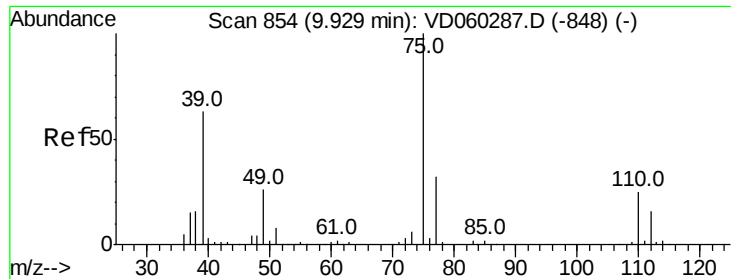
91 163.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

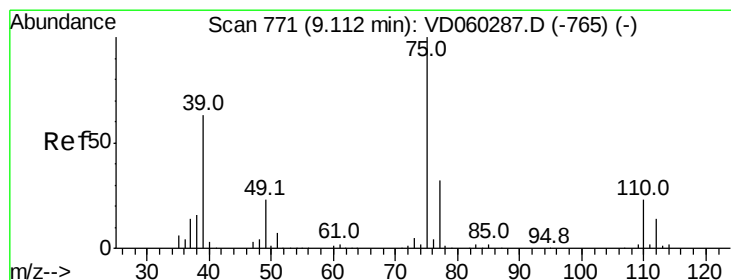
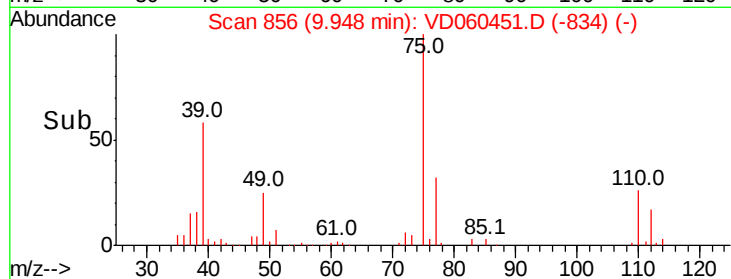
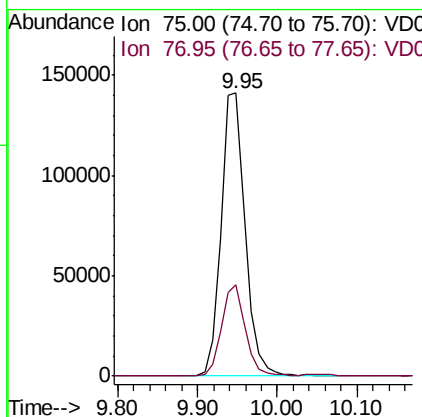
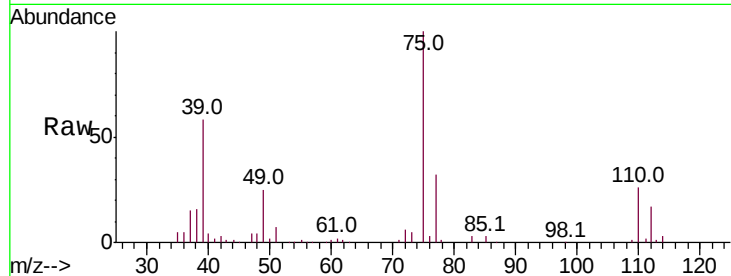




#53
 t-1,3-Dichloropropene
 Concen: 21.821 ug/l
 RT: 9.95 min Scan# 856
 Delta R.T. 0.02 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

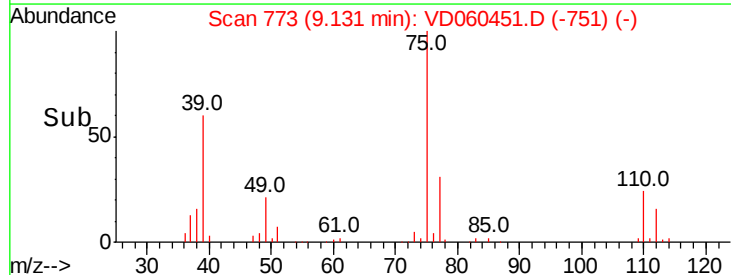
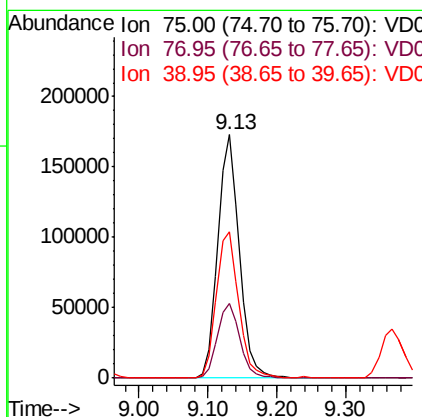
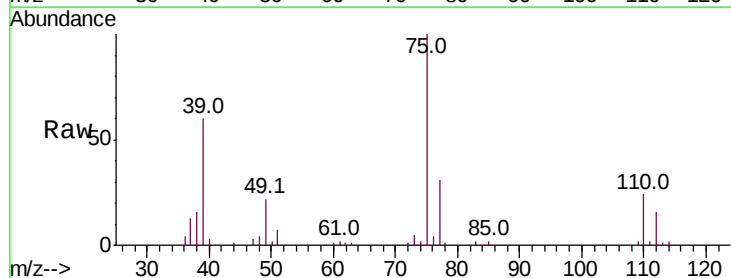
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBSD01

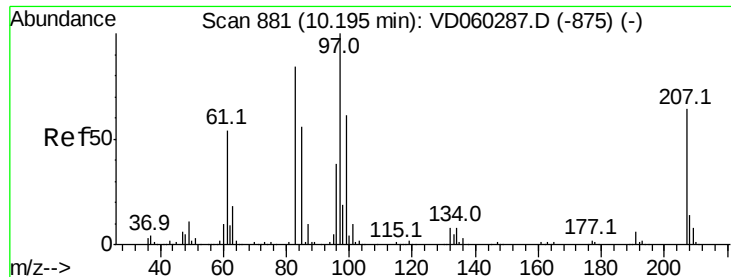
Tot Ion: 75 Resp: 300084
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.257 ug/l
 RT: 9.13 min Scan# 773
 Delta R.T. 0.02 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Tgt Ion: 75 Resp: 374940
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.3 39.5
 39 60.2 50.8 76.2

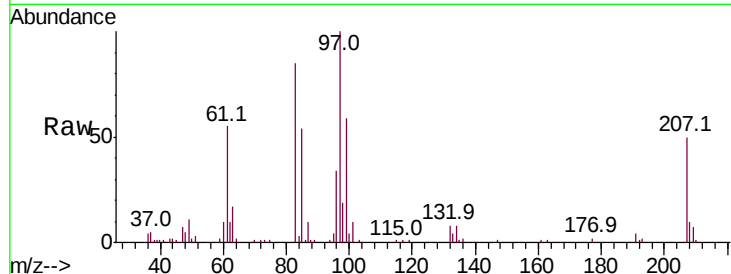




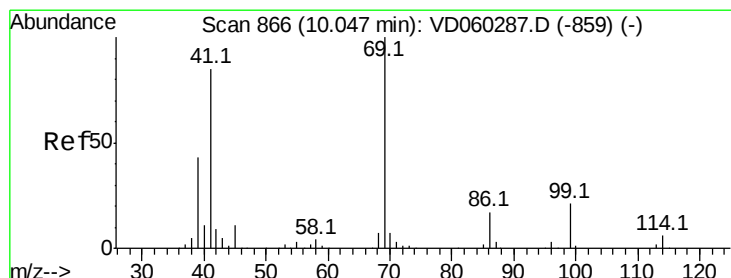
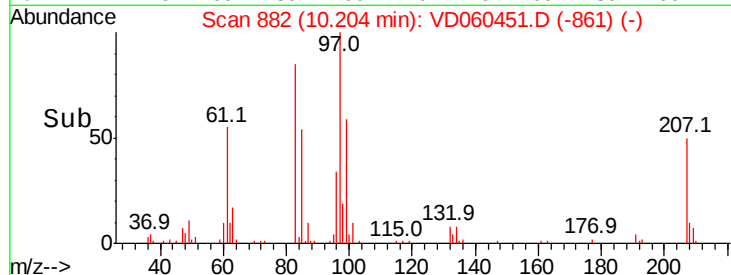
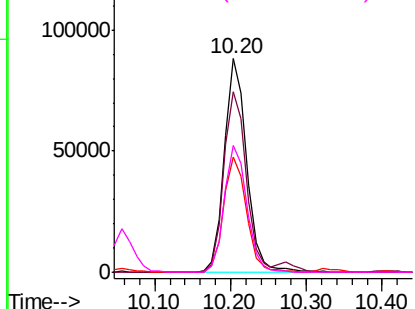
#55
 1,1,2-Trichloroethane
 Concen: 20.815 ug/l
 RT: 10.20 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion: 97 Resp: 180205
 Ion Ratio Lower Upper
 97 100
 83 84.5 68.4 102.6
 85 53.9 46.8 70.2
 99 59.4 49.5 74.3

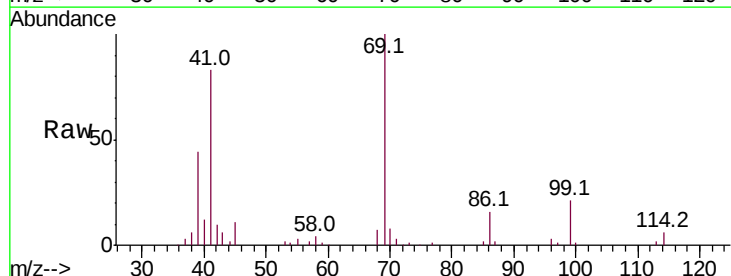


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

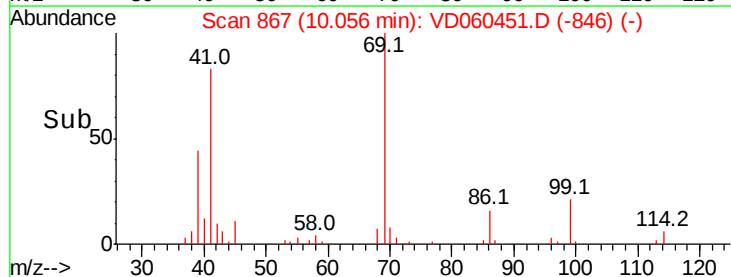
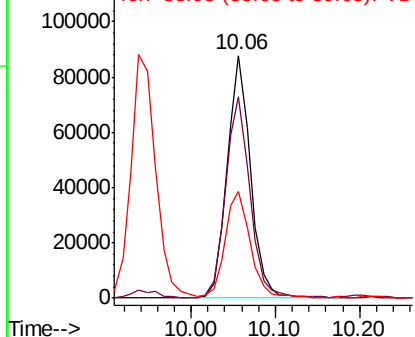


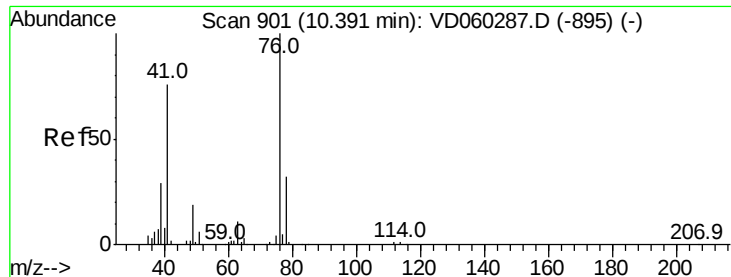
#56
 Ethyl methacrylate
 Concen: 21.193 ug/l
 RT: 10.06 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Tgt Ion: 69 Resp: 168699
 Ion Ratio Lower Upper
 69 100
 41 82.8 69.0 103.4
 39 44.1 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: 20.926 ug/l

RT: 10.41 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

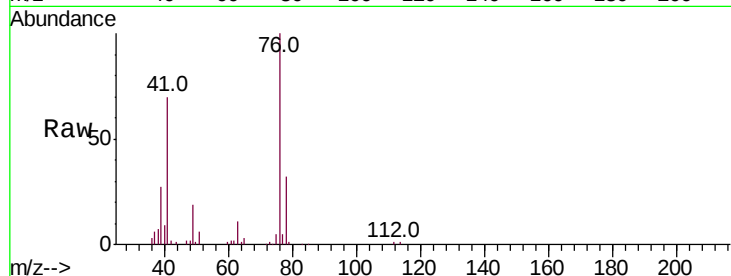
VD1126SBS01

Tot Ion: 76 Resp: 276055

Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.41

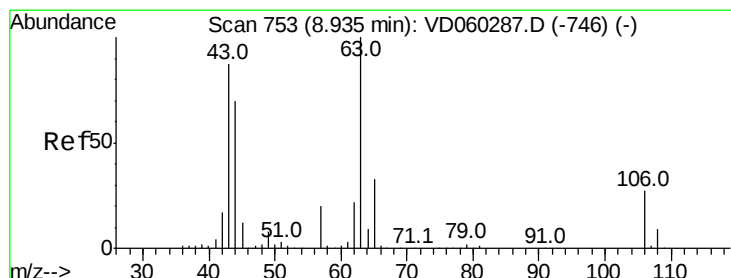
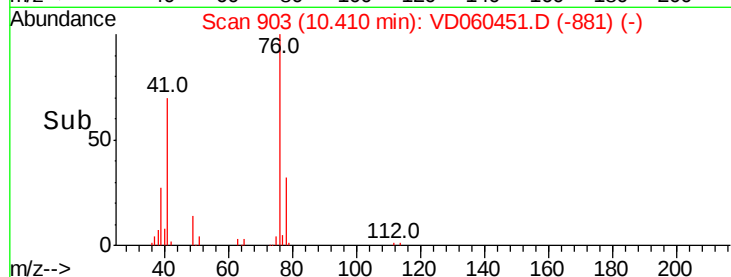
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 107.293 ug/l

RT: 8.94 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD060451.D

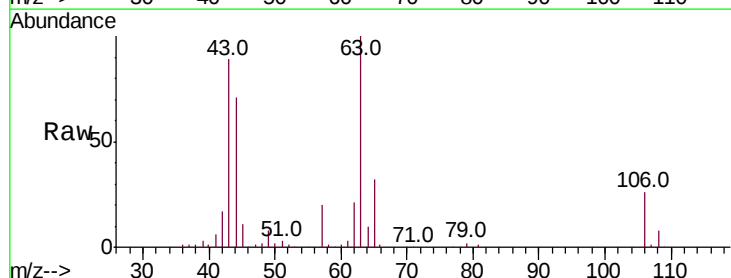
Acq: 26 Nov 2018 12:44

Tgt Ion: 63 Resp: 516410

Ion Ratio Lower Upper

63 100

106 26.4 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.94

250000

200000

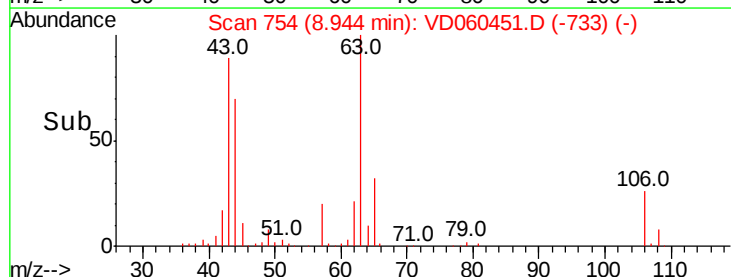
150000

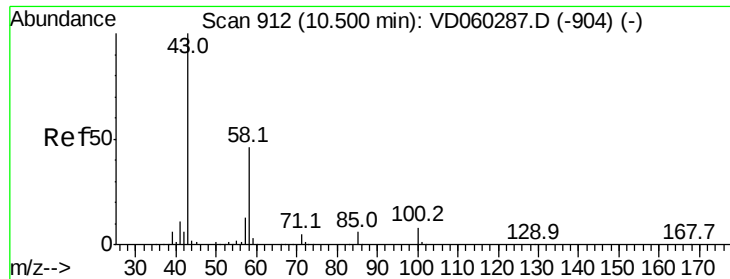
100000

50000

0

Time-->





#59

2-Hexanone

Concen: 108.769 ug/l

RT: 10.51 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

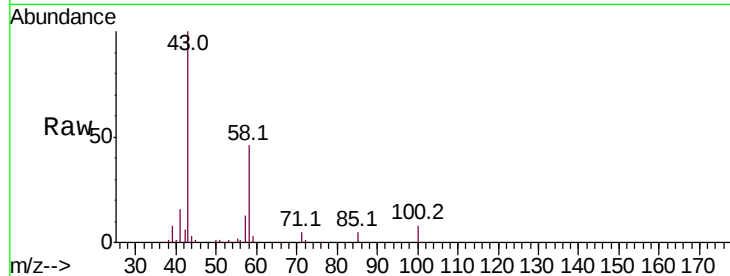
VD1126SBS01

Tot Ion: 43 Resp: 534271

Ion Ratio Lower Upper

43 100

58 46.2 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.51

300000

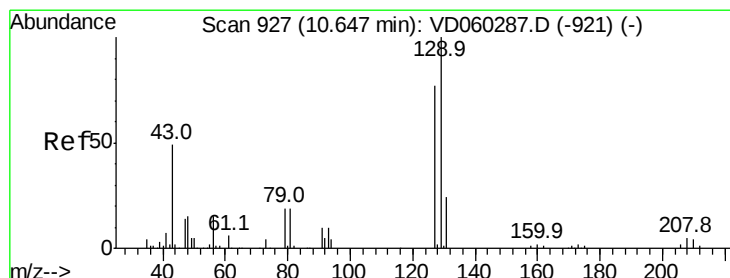
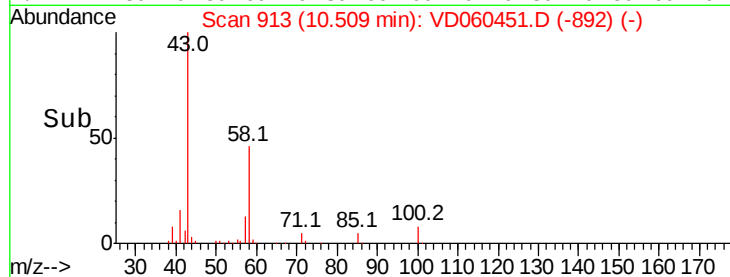
200000

100000

0

10.40 10.50 10.60

Time-->



#60

Dibromochloromethane

Concen: 21.773 ug/l

RT: 10.67 min Scan# 929

Delta R.T. 0.02 min

Lab File: VD060451.D

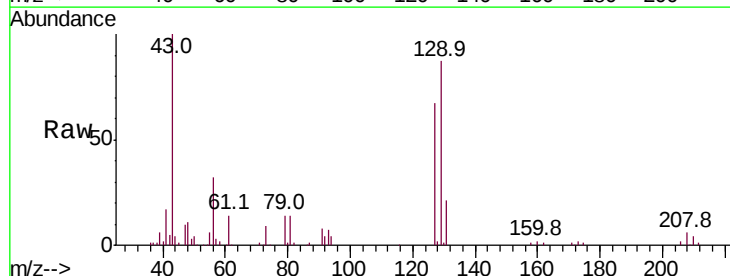
Acq: 26 Nov 2018 12:44

Tgt Ion: 129 Resp: 229138

Ion Ratio Lower Upper

129 100

127 76.6 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.67

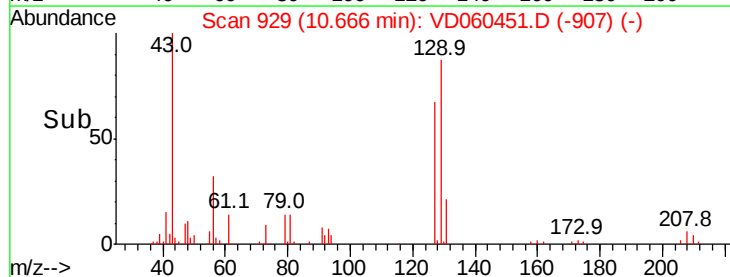
100000

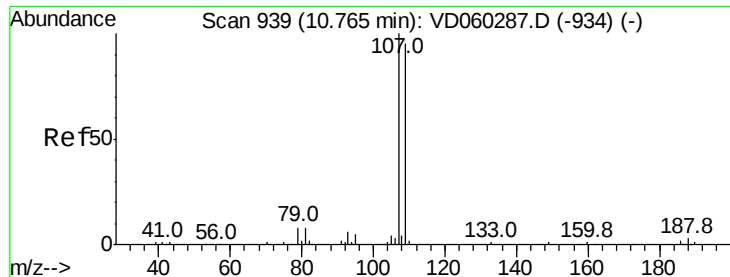
50000

0

10.60 10.70 10.80

Time-->

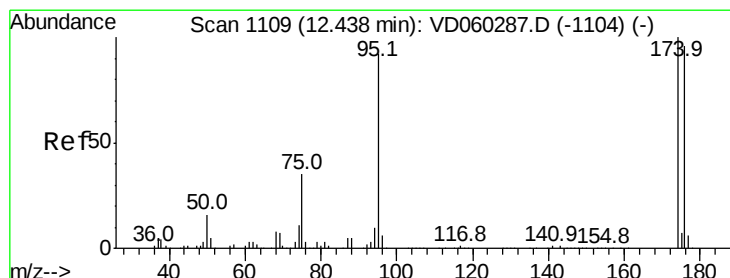
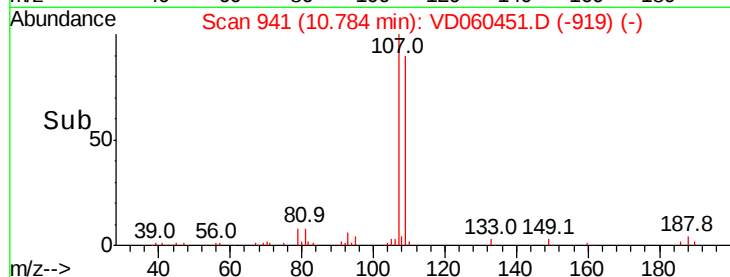
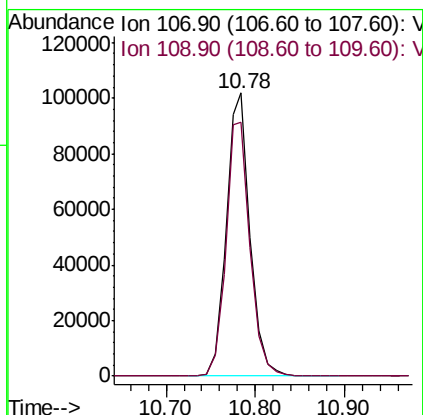
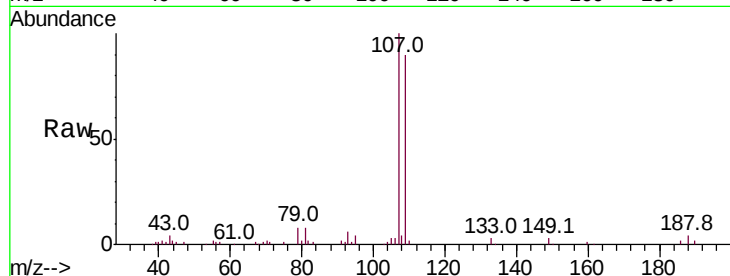




#61
 1,2-Dibromoethane
 Concen: 21.826 ug/l
 RT: 10.78 min Scan# 941
 Delta R.T. 0.02 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

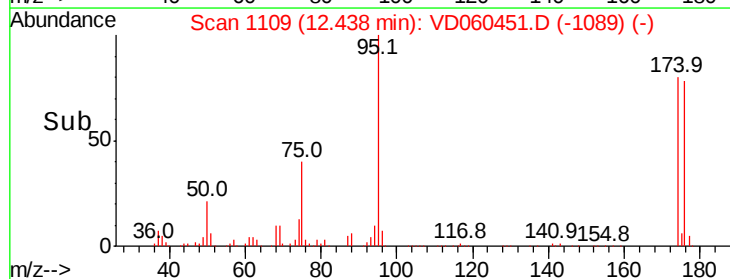
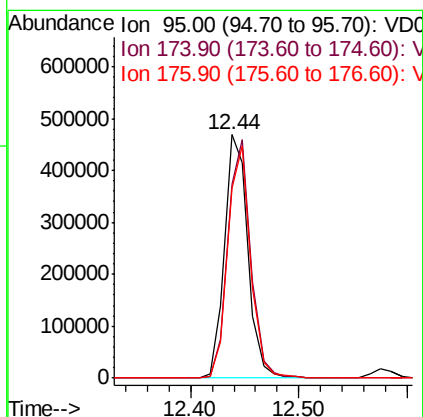
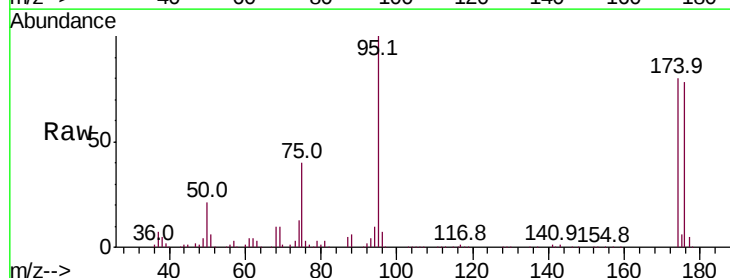
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBSD01

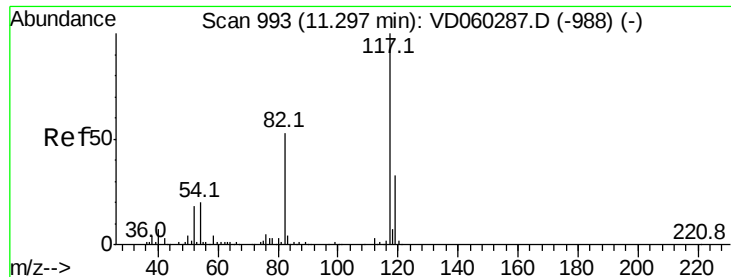
Tot Ion:107 Resp: 189328
 Ion Ratio Lower Upper
 107 100
 109 89.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 21.826 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Tgt Ion: 95 Resp: 703726
 Ion Ratio Lower Upper
 95 100
 174 79.6 0.0 160.8
 176 77.8 0.0 154.6

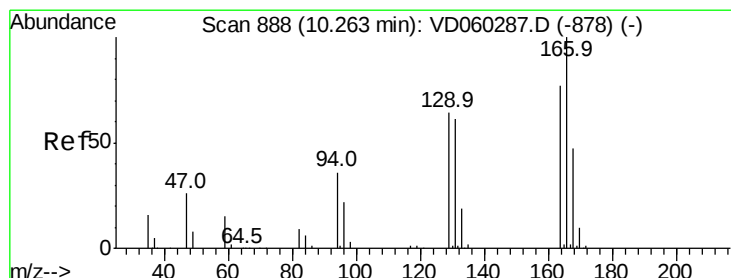
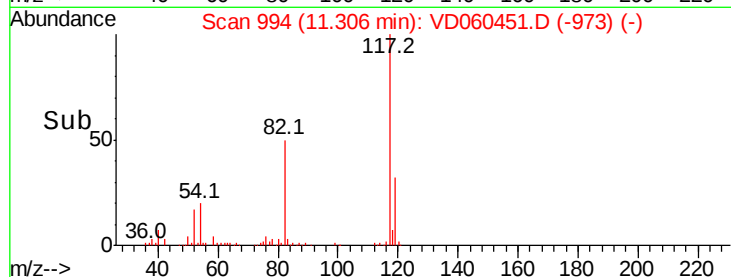
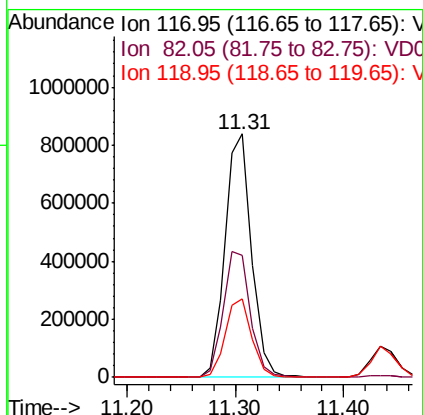
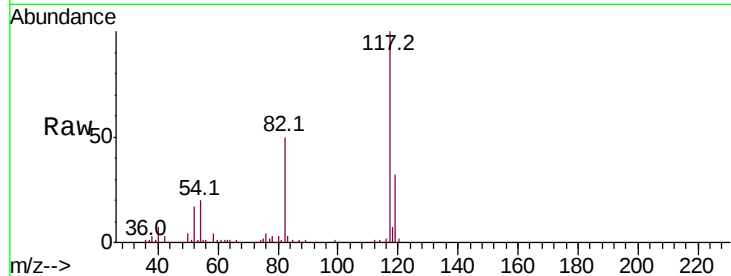




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

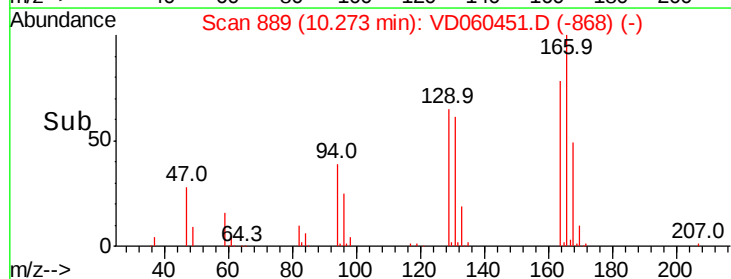
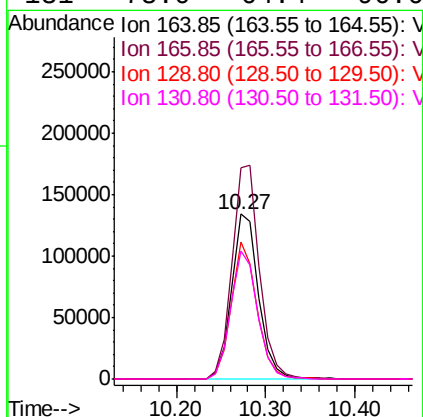
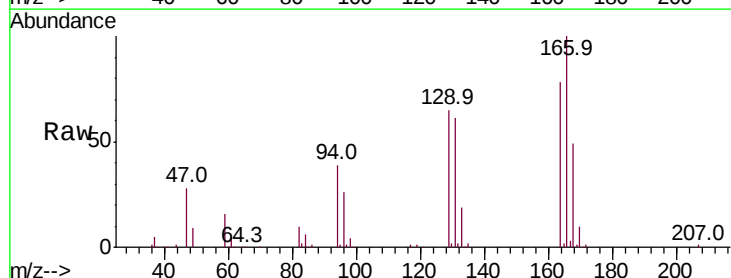
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

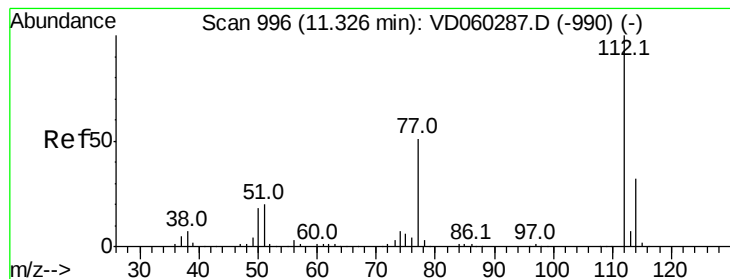
Tot Ion:117 Resp: 1430342
Ion Ratio Lower Upper
117 100
82 49.9 43.7 65.5
119 32.3 26.1 39.1



#64
Tetrachloroethene
Concen: 22.461 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion:164 Resp: 286814
Ion Ratio Lower Upper
164 100
166 127.8 103.7 155.5
129 82.8 65.6 98.4
131 78.0 64.4 96.6





#65

Chlorobenzene

Concen: 23.025 ug/l

RT: 11.34 min Scan# 997

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

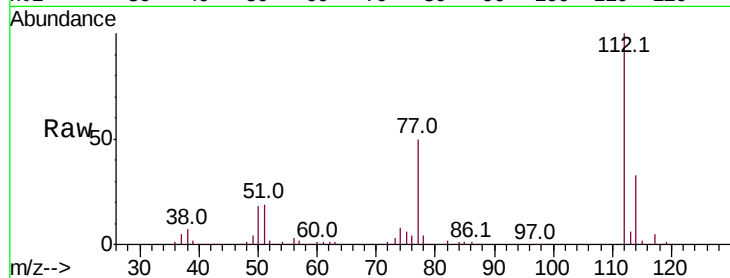
VD1126SBSD01

Tot Ion:112 Resp: 713575

Ion Ratio Lower Upper

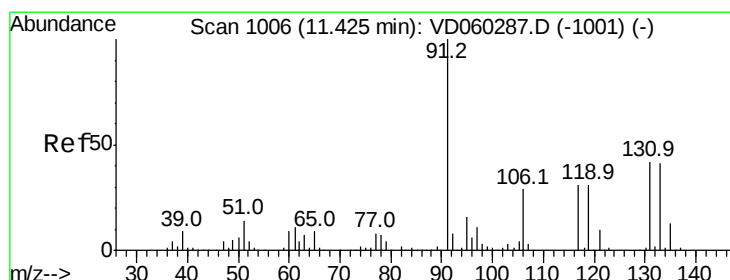
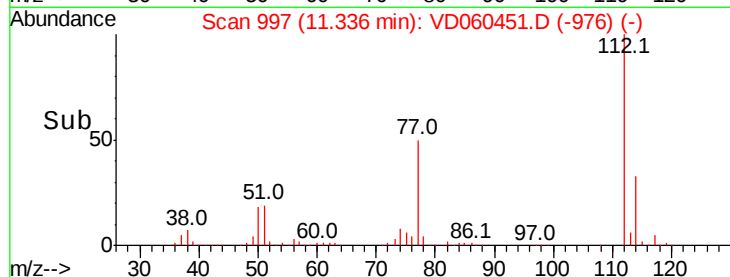
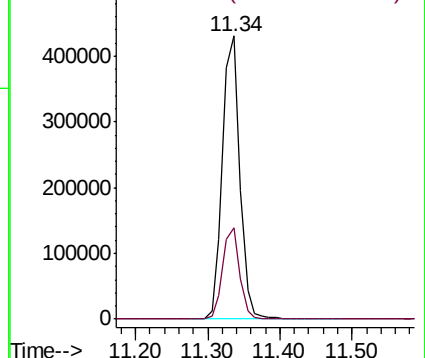
112 100

114 32.5 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: 23.528 ug/l

RT: 11.43 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

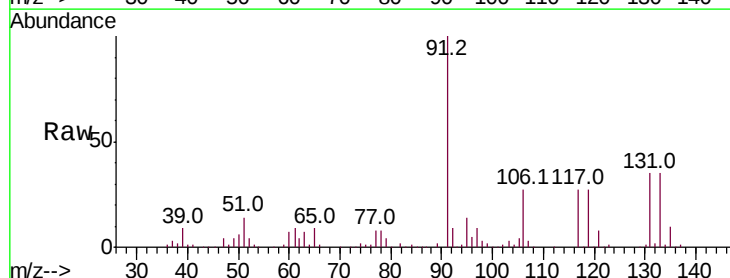
Tgt Ion:131 Resp: 238578

Ion Ratio Lower Upper

131 100

133 100.5 50.0 150.0

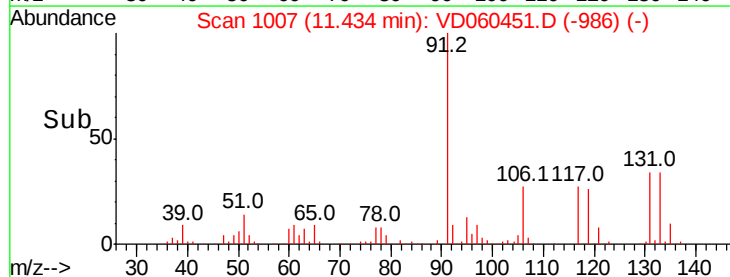
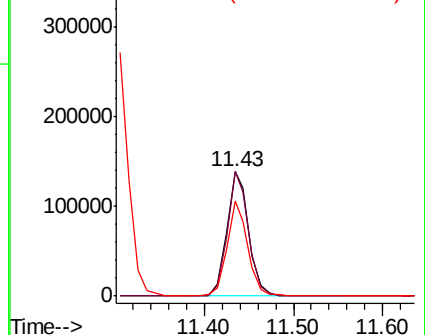
119 76.7 37.0 111.1

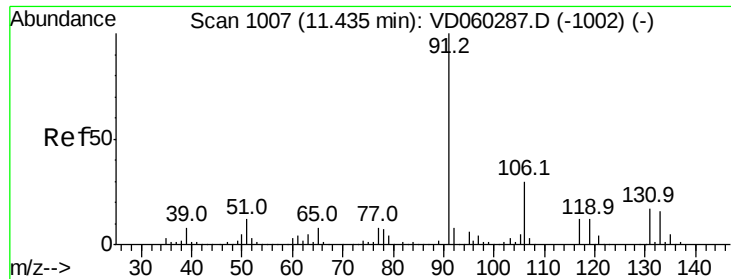


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

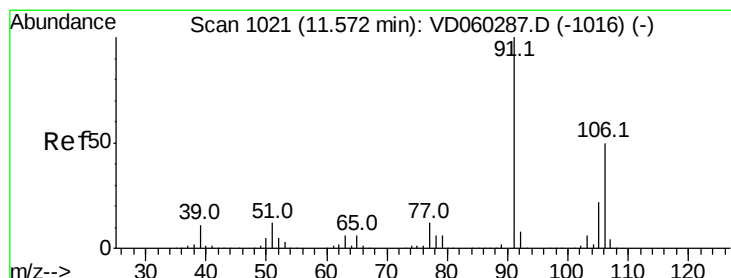
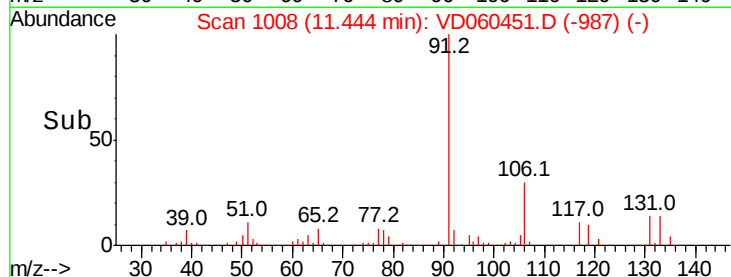
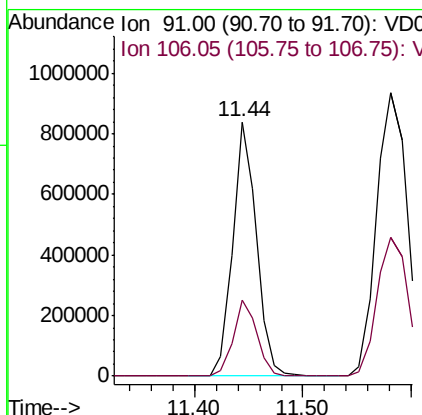
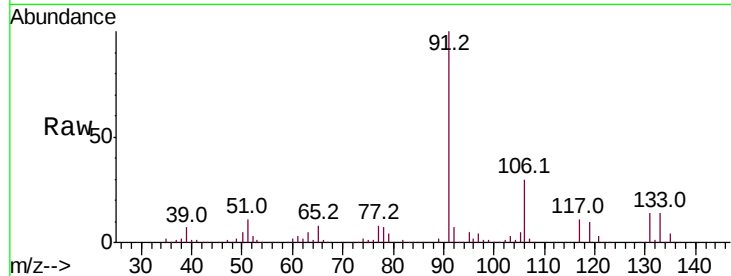




#67
Ethyl Benzene
Concen: 24.150 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

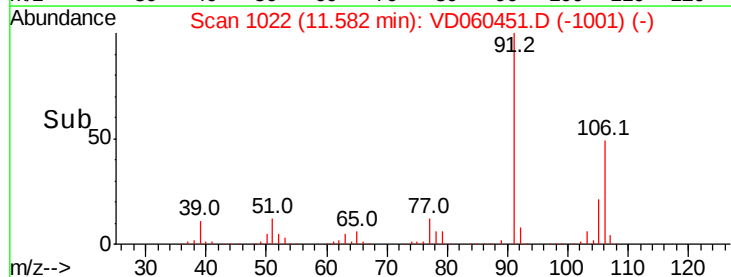
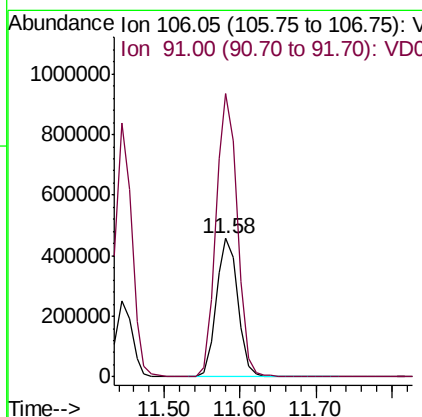
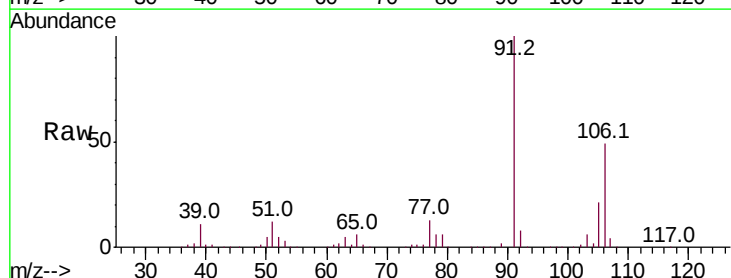
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

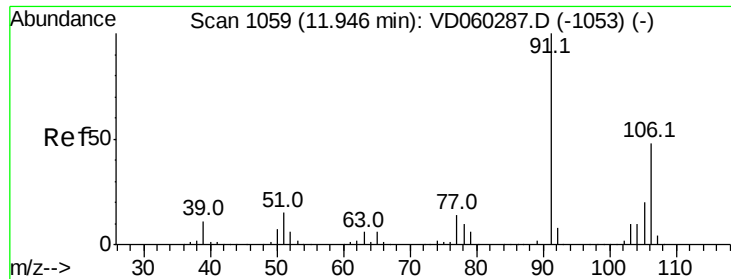
Tot Ion: 91 Resp: 1280316
Ion Ratio Lower Upper
91 100
106 29.8 24.6 36.8



#68
m/p-Xylenes
Concen: 46.472 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion: 106 Resp: 908834
Ion Ratio Lower Upper
106 100
91 204.5 159.4 239.2

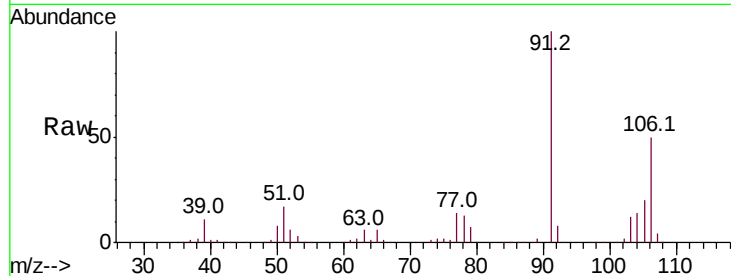




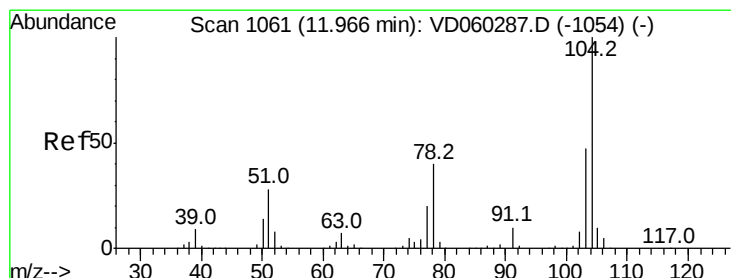
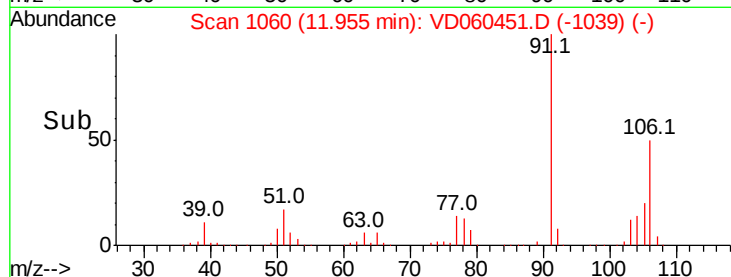
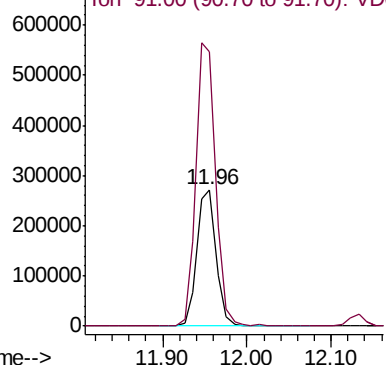
#69
o-Xylene
Concen: 22.814 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion:106 Resp: 431038
Ion Ratio Lower Upper
106 100
91 201.2 109.2 327.6

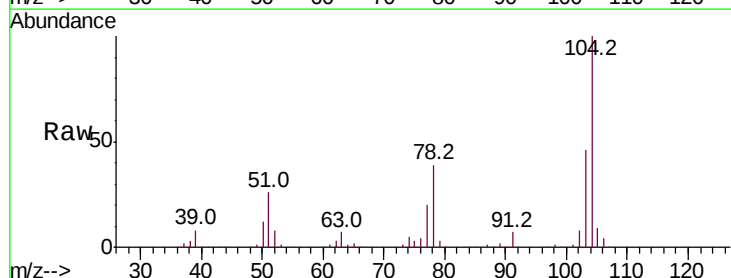


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

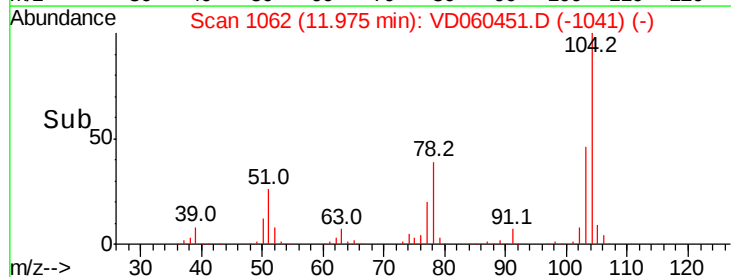
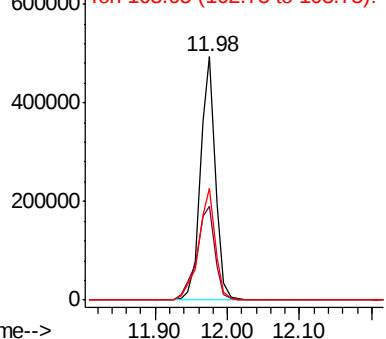


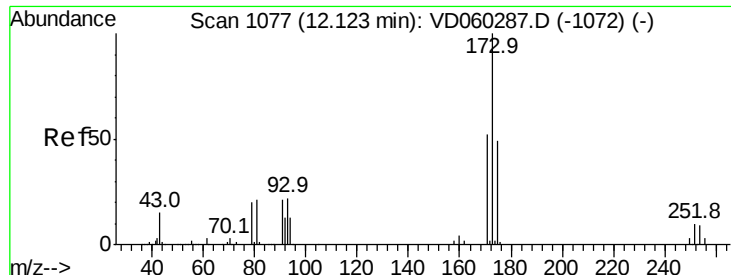
#70
Styrene
Concen: 23.259 ug/l
RT: 11.98 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion:104 Resp: 710169
Ion Ratio Lower Upper
104 100
78 38.6 31.6 47.4
103 46.1 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: 21.635 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

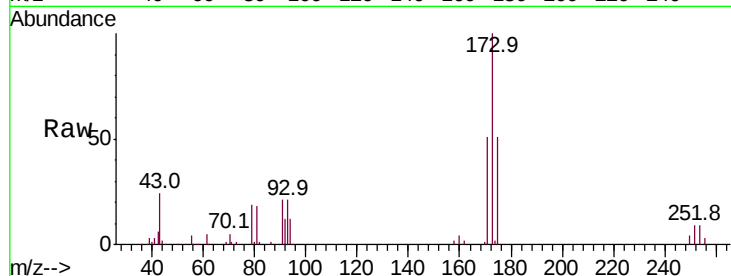
Tot Ion:173 Resp: 147417

Ion Ratio Lower Upper

173 100

175 51.1 24.3 73.0

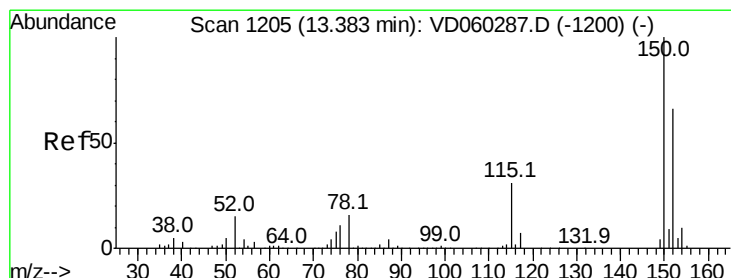
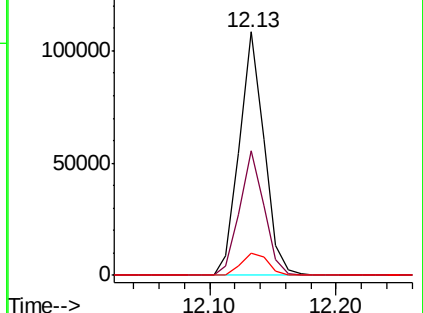
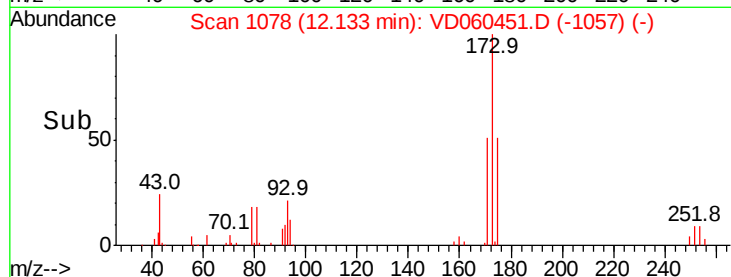
254 9.3 8.3 12.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

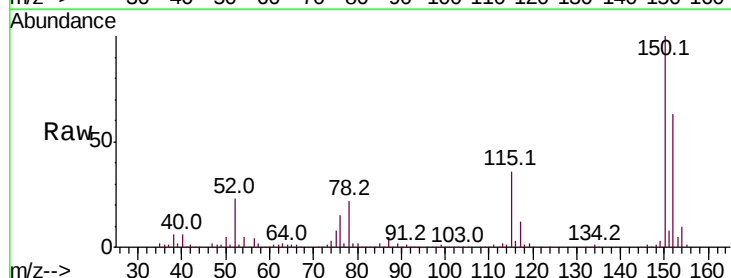
Tgt Ion:152 Resp: 733712

Ion Ratio Lower Upper

152 100

115 57.2 24.1 72.3

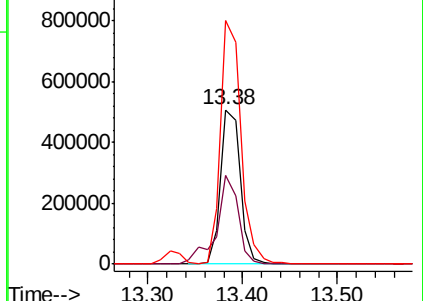
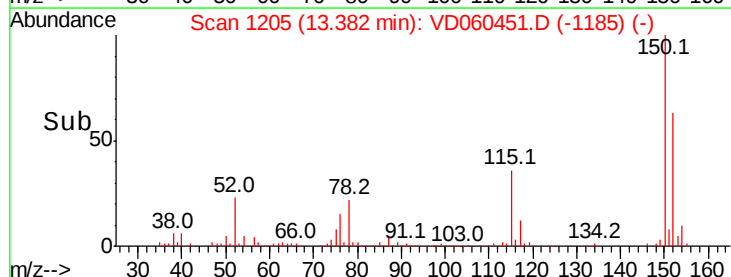
150 157.6 0.0 310.6

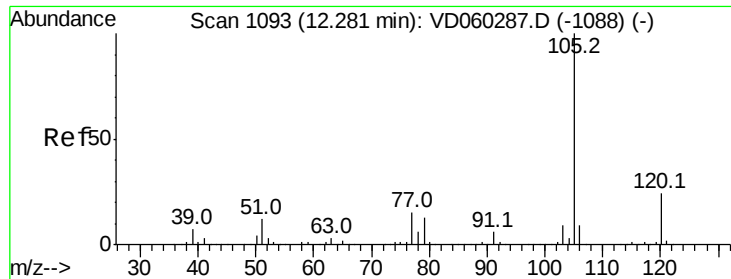


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.357 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

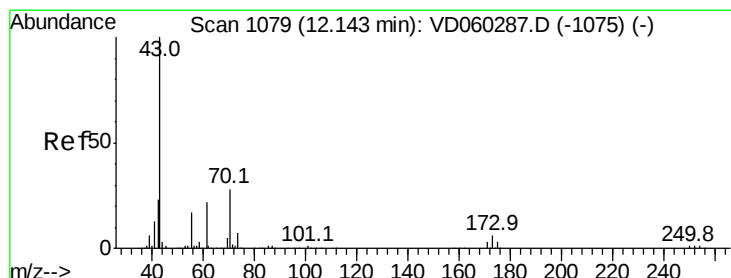
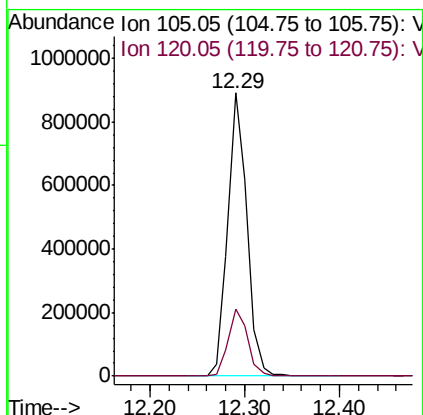
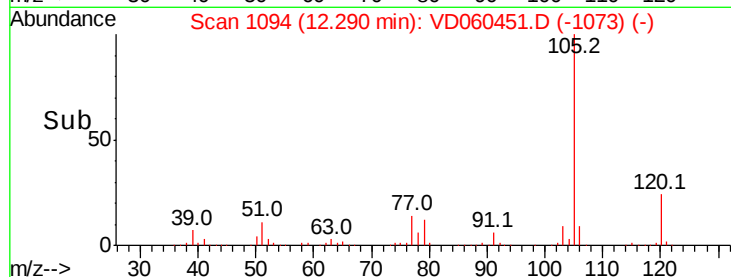
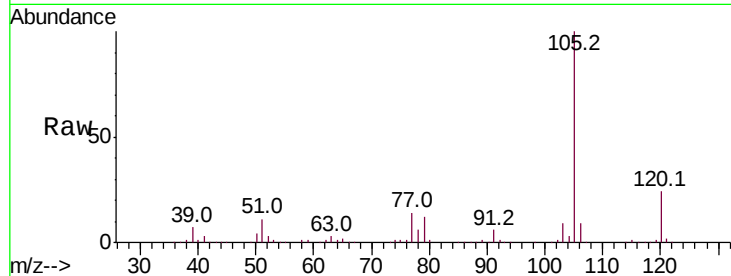
VD1126SBS01

Tot Ion:105 Resp: 1248565

Ion Ratio Lower Upper

105 100

120 23.7 12.1 36.3



#74

N-ethyl acetate

Concen: 20.728 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Tgt Ion: 43 Resp: 284082

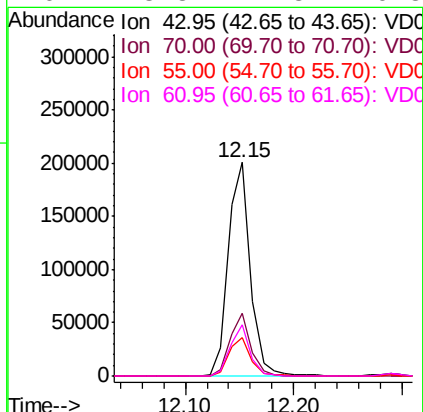
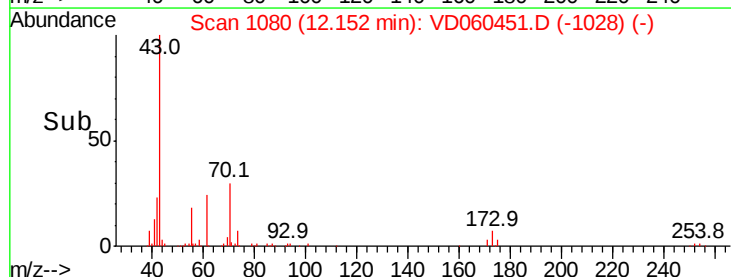
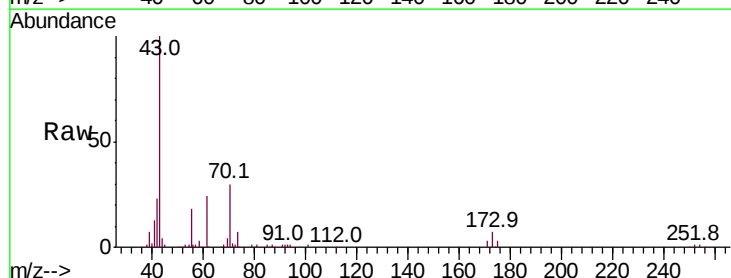
Ion Ratio Lower Upper

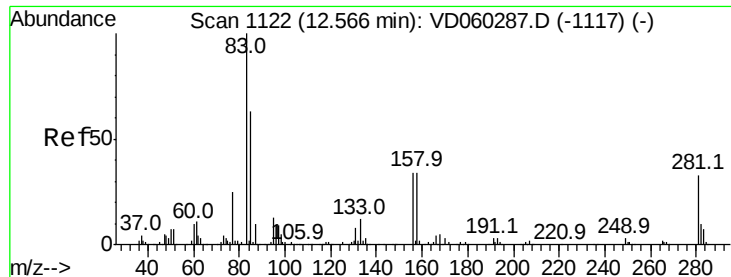
43 100

70 29.5 23.0 34.4

55 17.9 14.2 21.4

61 23.8 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.117 ug/l

RT: 12.58 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

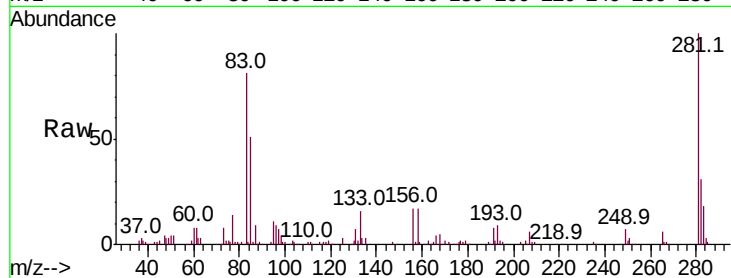
Tot Ion: 83 Resp: 184615

Ion Ratio Lower Upper

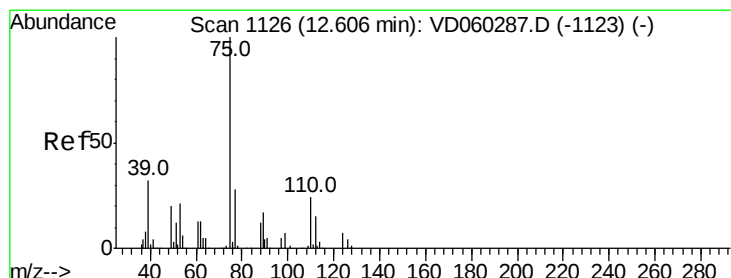
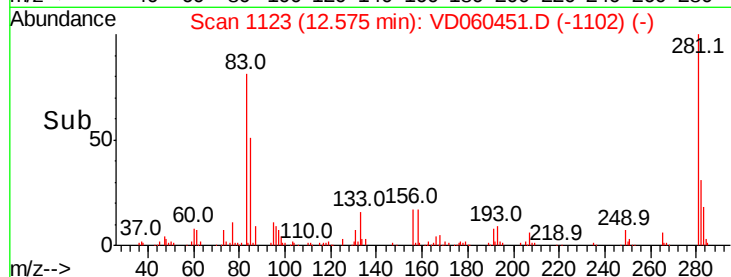
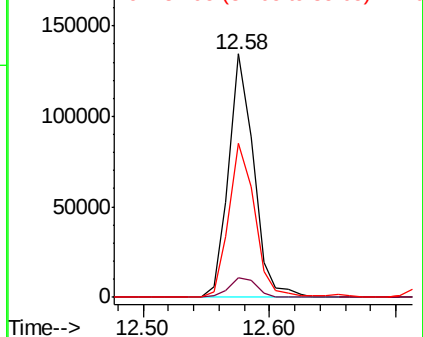
83 100

131 8.1 3.9 11.5

85 63.1 32.0 96.0



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



#76

1,2,3-Trichloropropane

Concen: 21.040 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060451.D

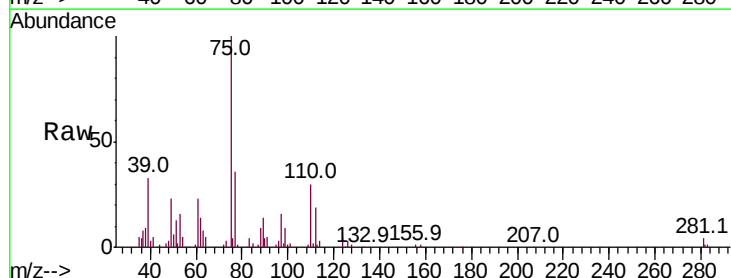
Acq: 26 Nov 2018 12:44

Tgt Ion: 75 Resp: 184666

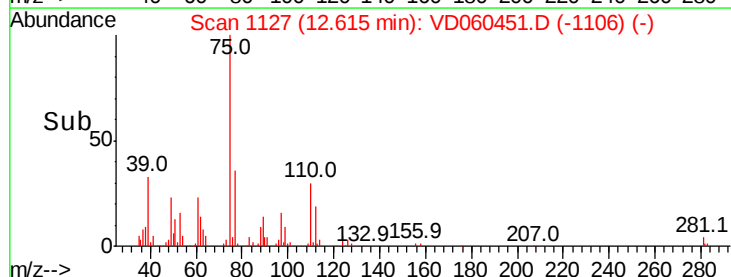
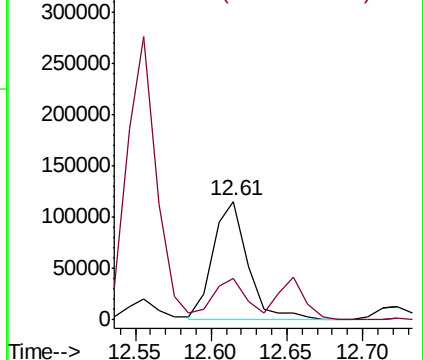
Ion Ratio Lower Upper

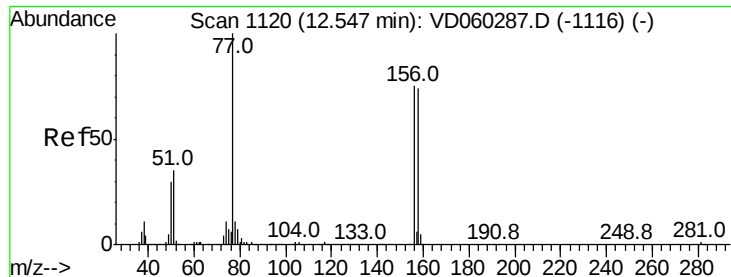
75 100

77 35.5 16.4 49.1



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





#77

Bromobenzene

Concen: 21.335 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

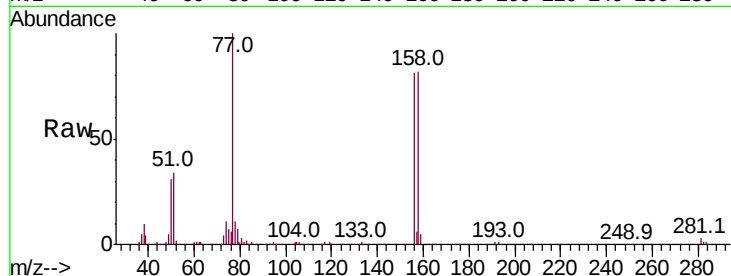
Tot Ion:156 Resp: 302948

Ion Ratio Lower Upper

156 100

77 123.8 61.2 183.6

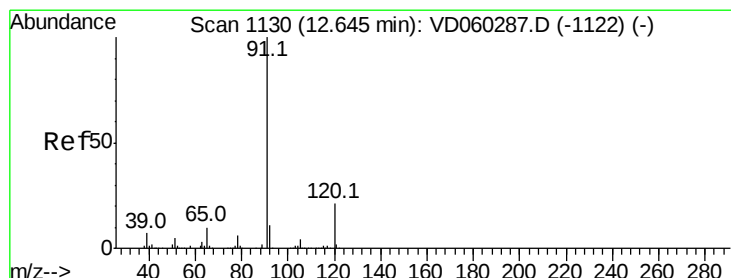
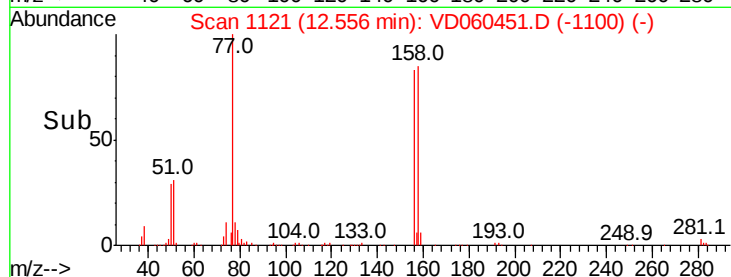
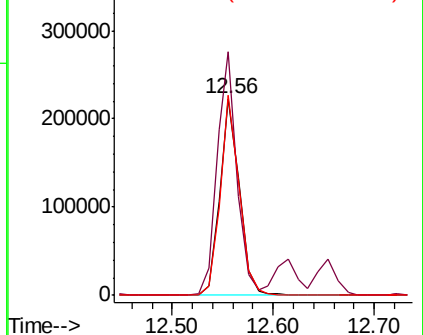
158 101.5 49.2 147.6



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: 23.034 ug/l

RT: 12.65 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VD060451.D

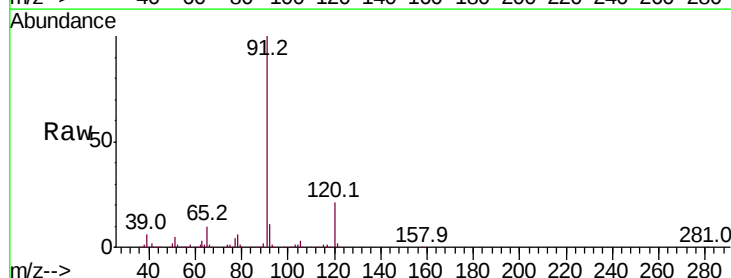
Acq: 26 Nov 2018 12:44

Tgt Ion: 91 Resp: 1536888

Ion Ratio Lower Upper

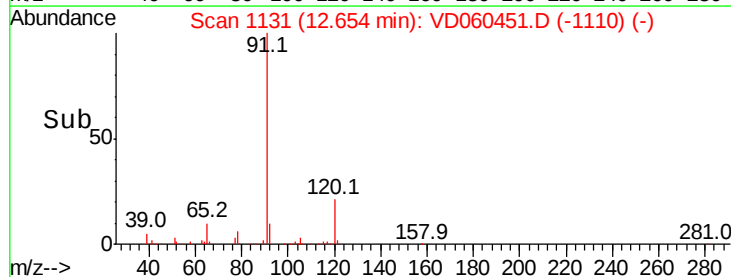
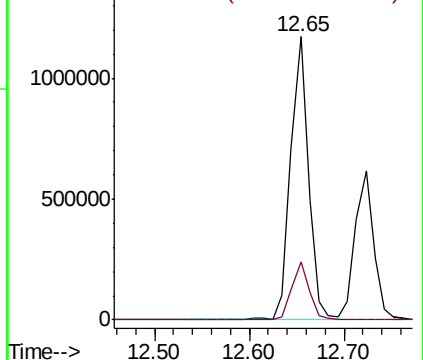
91 100

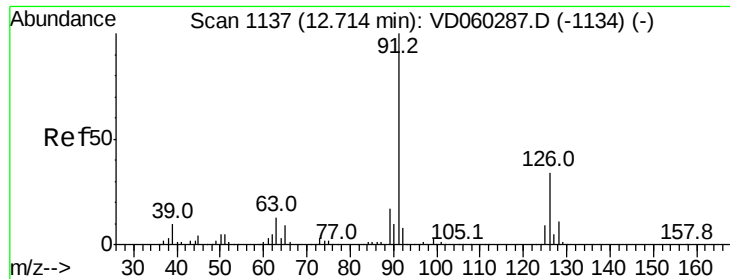
120 20.6 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.751 ug/l

RT: 12.72 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

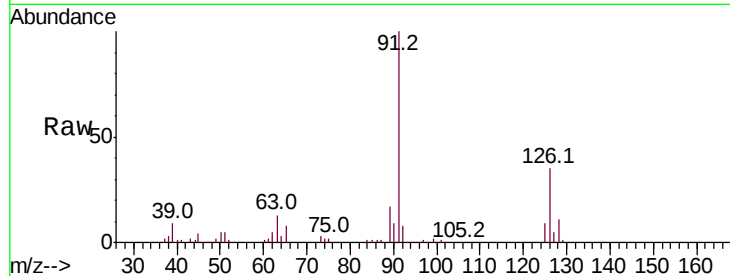
VD1126SBSD01

Tot Ion: 91 Resp: 831395

Ion Ratio Lower Upper

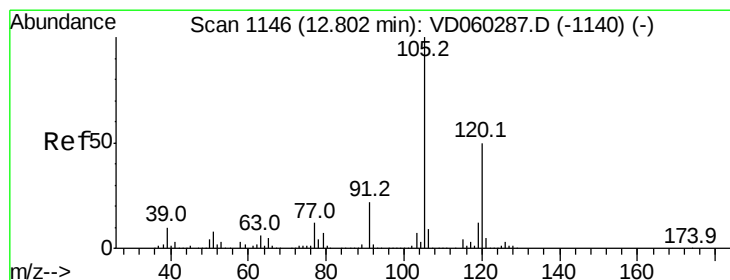
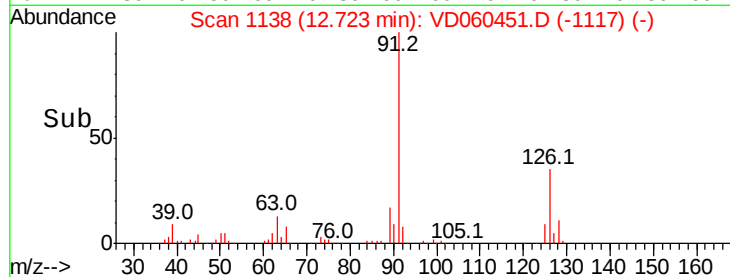
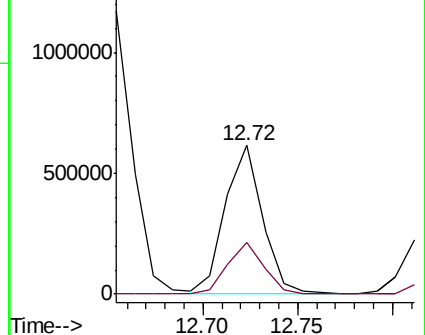
91 100

126 34.5 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: 22.701 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060451.D

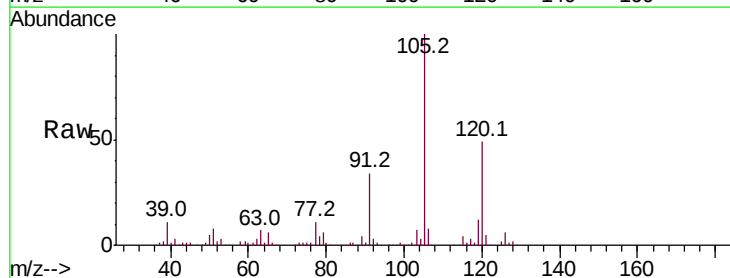
Acq: 26 Nov 2018 12:44

Tgt Ion: 105 Resp: 943092

Ion Ratio Lower Upper

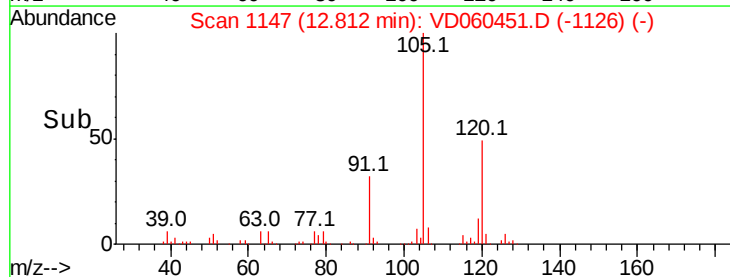
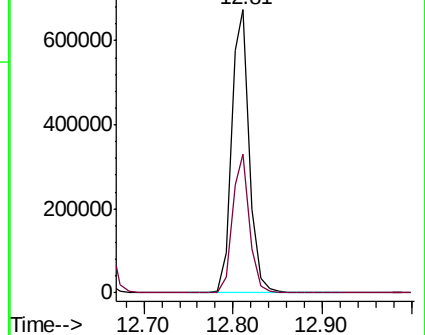
105 100

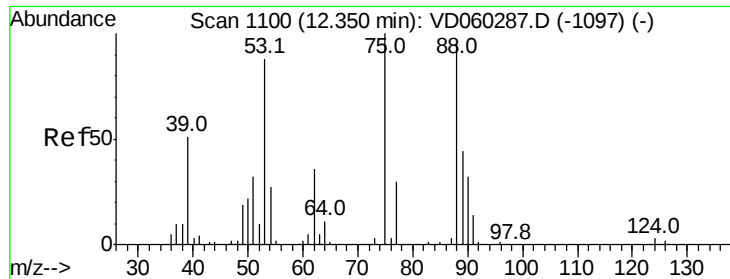
120 48.8 24.4 73.4



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: 20.192 ug/l

RT: 12.36 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

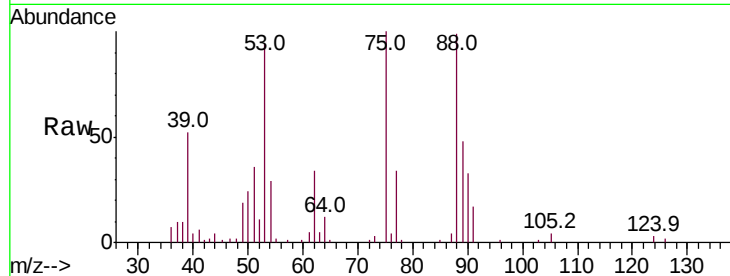
Tot Ion: 75 Resp: 50456

Ion Ratio Lower Upper

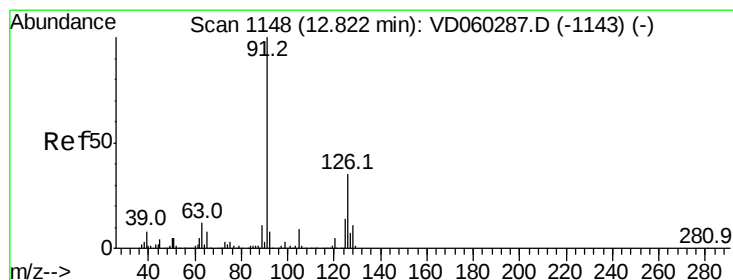
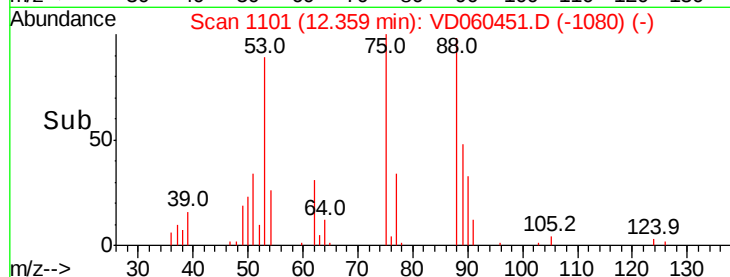
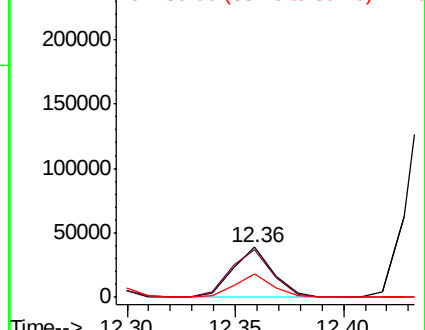
75 100

53 94.4 68.6 103.0

89 47.8 34.1 51.1



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



#82

4-Chlorotoluene

Concen: 22.226 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VD060451.D

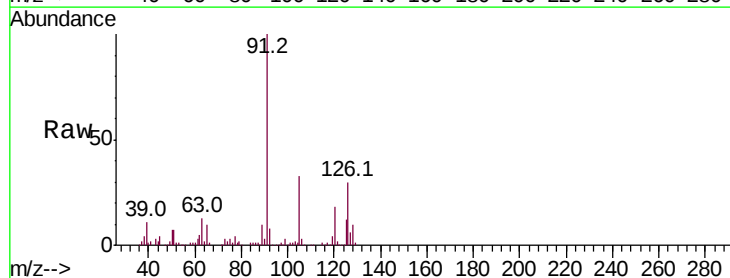
Acq: 26 Nov 2018 12:44

Tgt Ion: 91 Resp: 912371

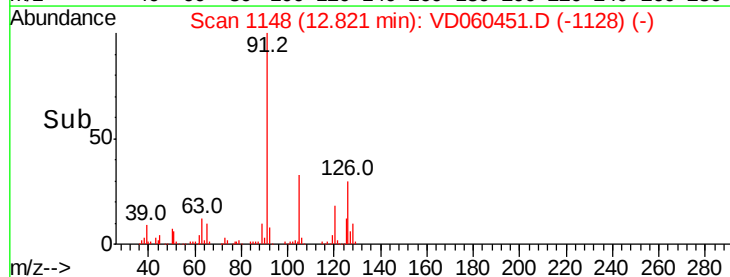
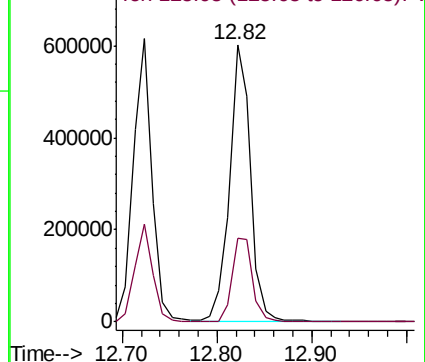
Ion Ratio Lower Upper

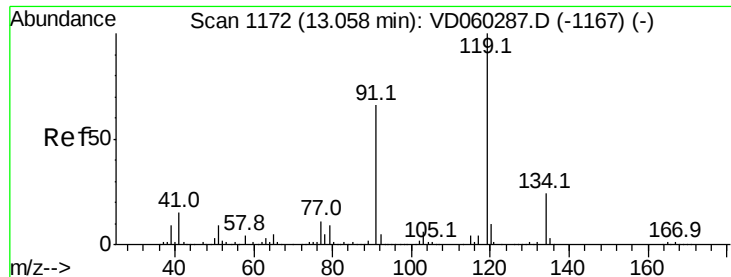
91 100

126 30.1 14.8 44.4



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





#83

tert-Butylbenzene

Concen: 23.068 ug/l

RT: 13.06 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

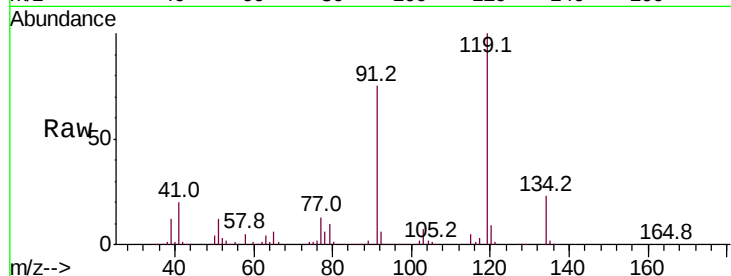
Tot Ion:119 Resp: 1063974

Ion Ratio Lower Upper

119 100

91 74.7 32.7 98.1

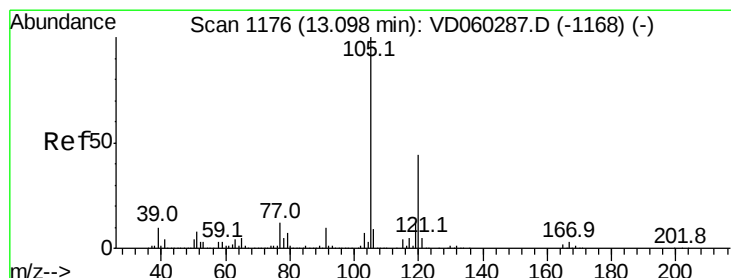
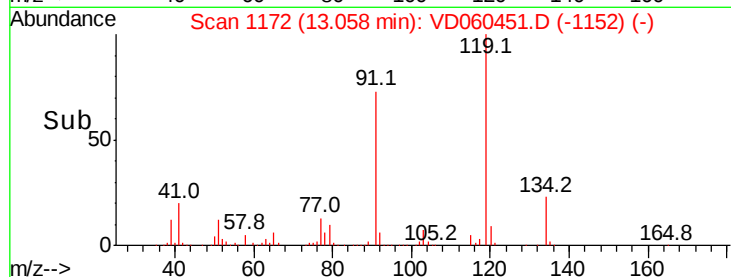
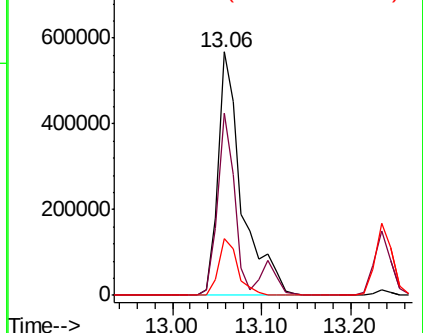
134 23.1 12.1 36.3



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.646 ug/l

RT: 13.11 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VD060451.D

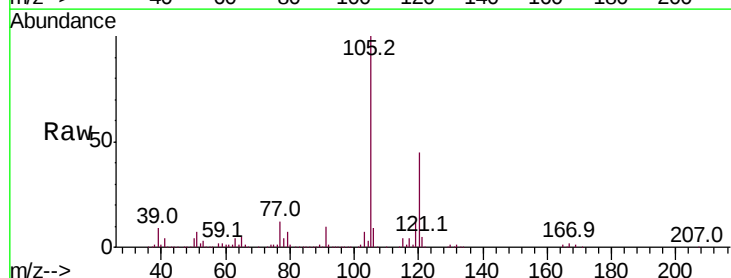
Acq: 26 Nov 2018 12:44

Tgt Ion:105 Resp: 981079

Ion Ratio Lower Upper

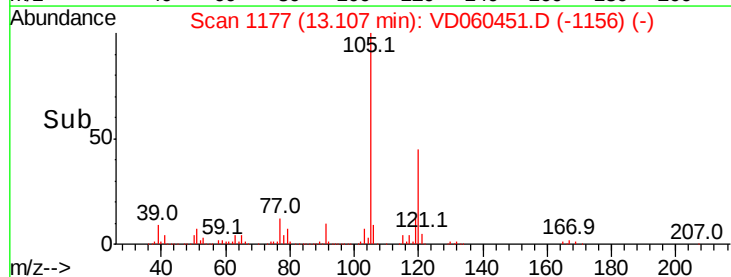
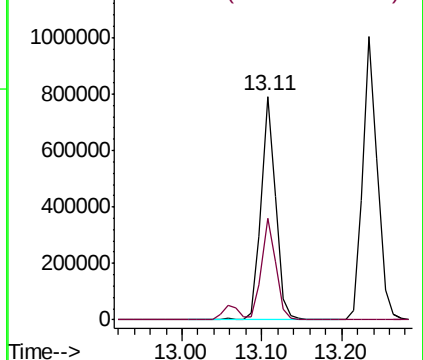
105 100

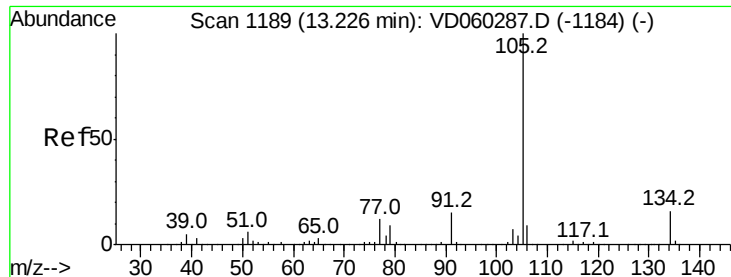
120 45.3 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 22.611 ug/l

RT: 13.23 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

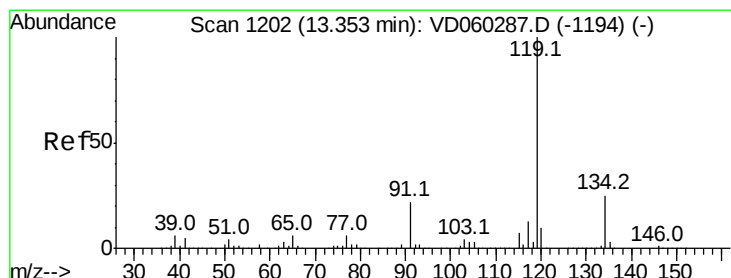
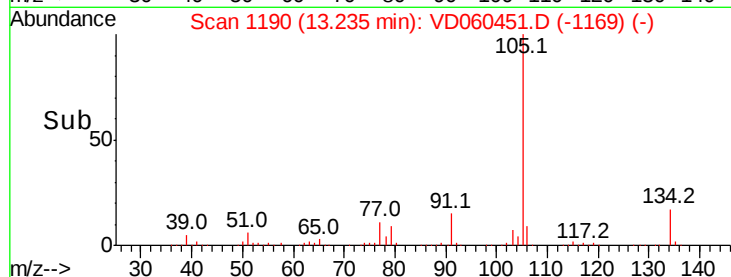
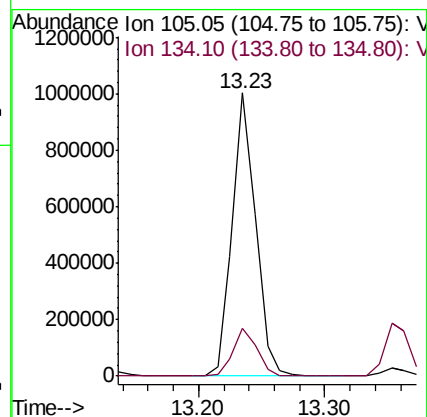
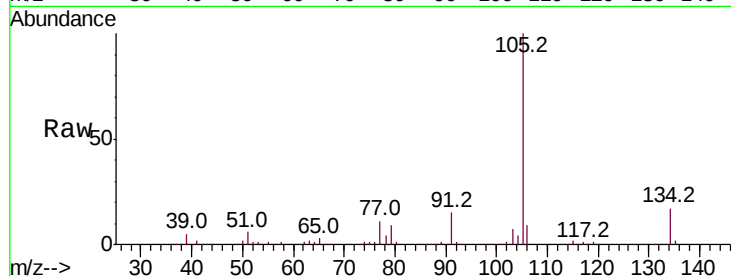
VD1126SBS01

Tot Ion:105 Resp: 1279494

Ion Ratio Lower Upper

105 100

134 16.7 8.0 24.0



#86

p-Isopropyltoluene

Concen: 23.206 ug/l

RT: 13.35 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

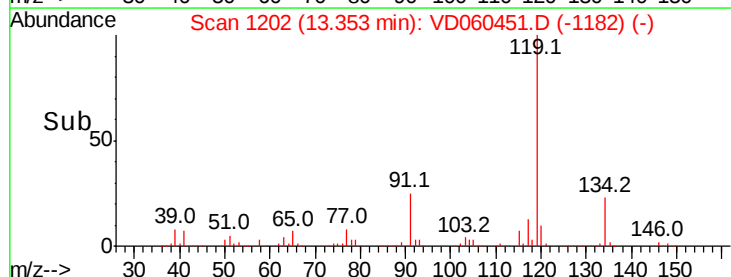
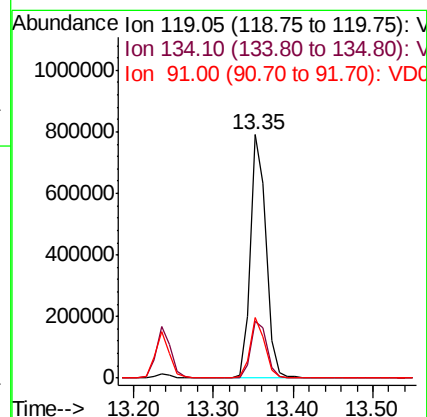
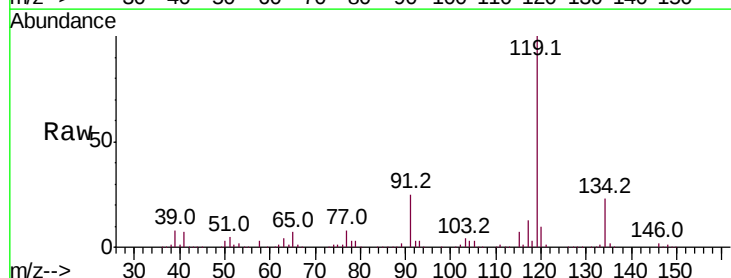
Tgt Ion:119 Resp: 1057465

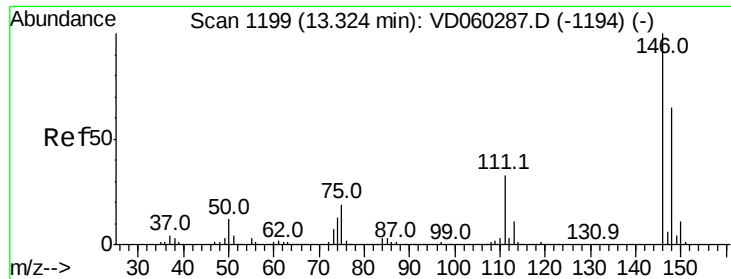
Ion Ratio Lower Upper

119 100

134 23.5 12.9 38.6

91 25.0 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 22.694 ug/l

RT: 13.32 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

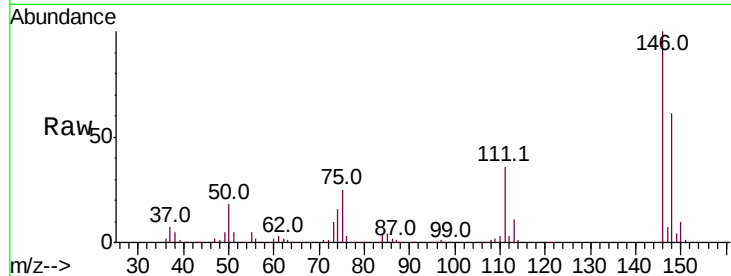
Tot Ion:146 Resp: 573310

Ion	Ratio	Lower	Upper
146	100		
111	36.4	20.2	60.5
148	61.2	32.0	96.0

146 100

111 36.4 20.2 60.5

148 61.2 32.0 96.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

600000

500000

400000

300000

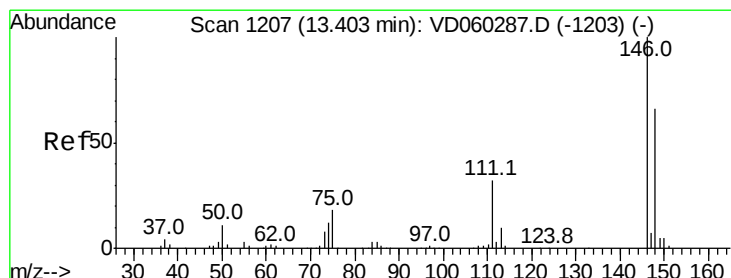
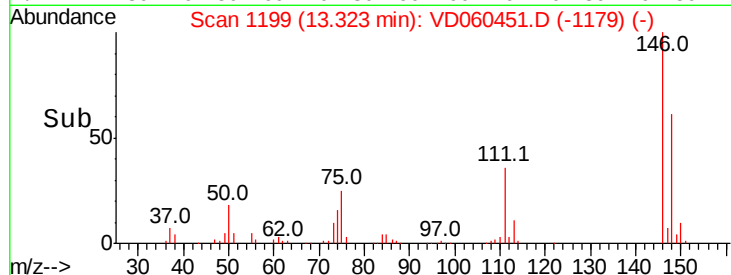
200000

100000

0

13.25 13.30 13.35 13.40

Time-->



#88

1,4-Dichlorobenzene

Concen: 22.311 ug/l

RT: 13.40 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

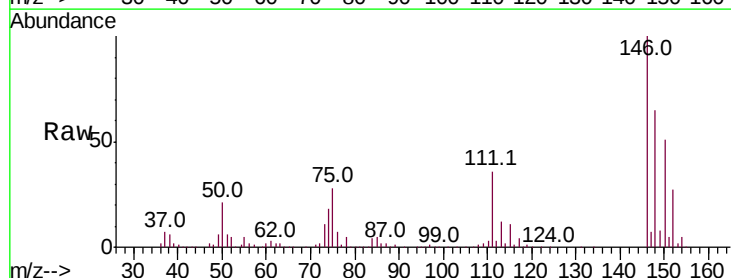
Tgt Ion:146 Resp: 550468

Ion	Ratio	Lower	Upper
146	100		
111	36.5	16.0	47.9
148	64.5	32.9	98.7

146 100

111 36.5 16.0 47.9

148 64.5 32.9 98.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

600000

500000

400000

300000

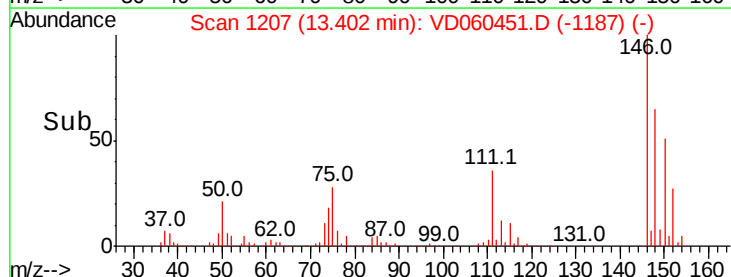
200000

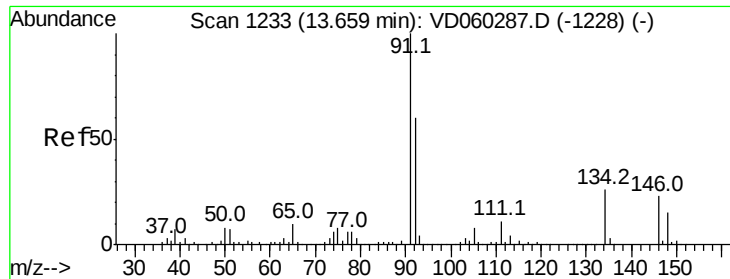
100000

0

13.30 13.40 13.50

Time-->



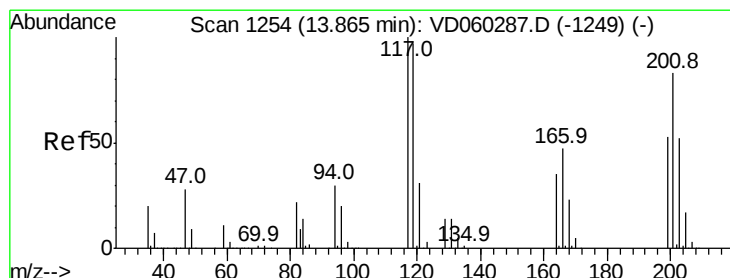
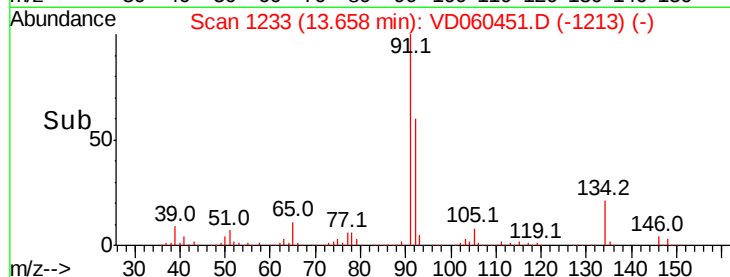
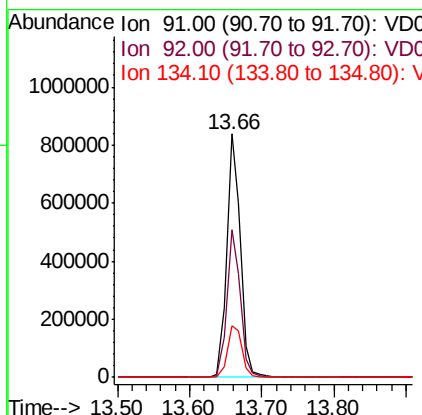
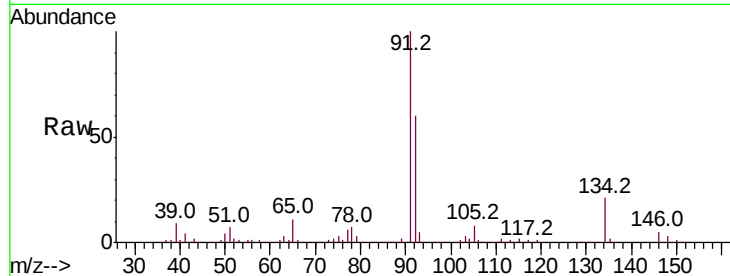


#89
n-Butylbenzene
Concen: 21.876 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

Tot Ion: 91 Resp: 1085762

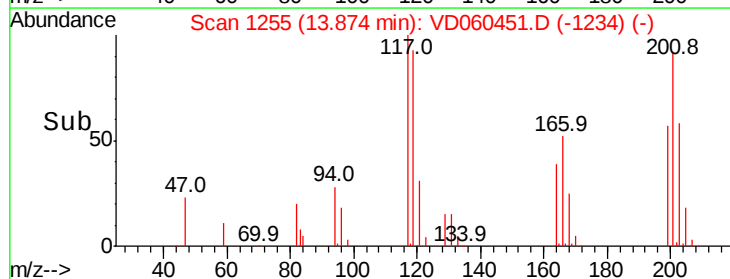
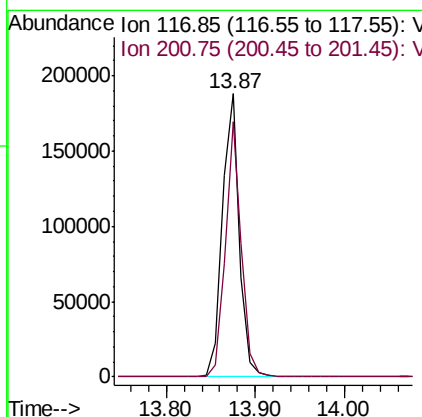
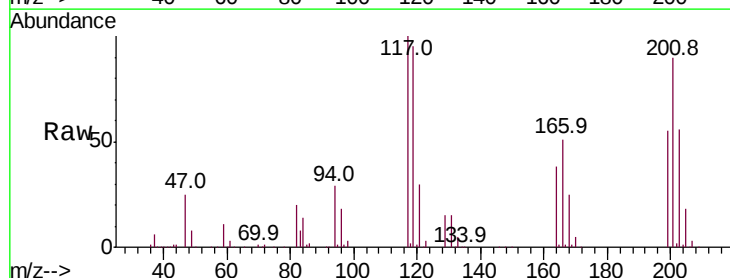
Ion	Ratio	Lower	Upper
91	100		
92	60.4	30.3	90.9
134	21.4	13.0	38.9

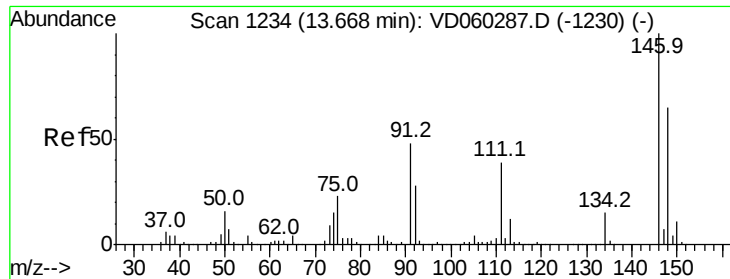


#90
Hexachloroethane
Concen: 23.363 ug/l
RT: 13.87 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion: 117 Resp: 252454

Ion	Ratio	Lower	Upper
117	100		
201	90.1	40.1	120.3

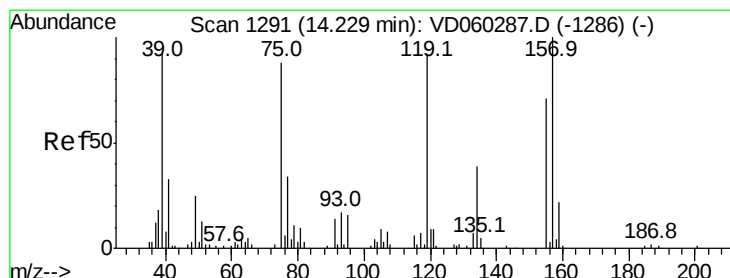
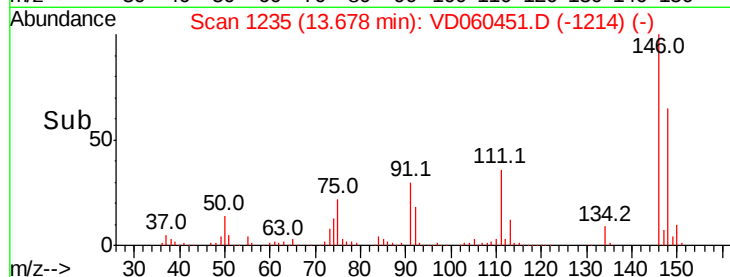
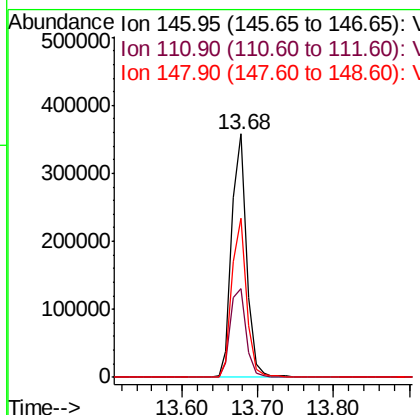
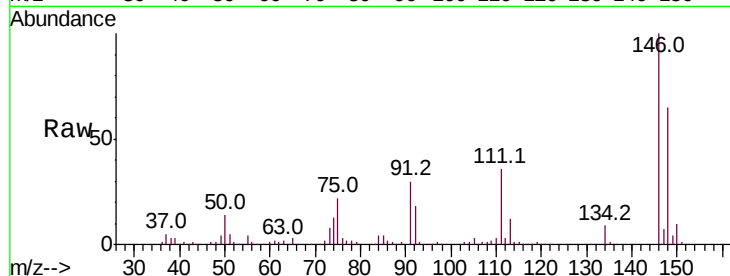




#91
 1,2-Dichlorobenzene
 Concen: 23.234 ug/l
 RT: 13.68 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

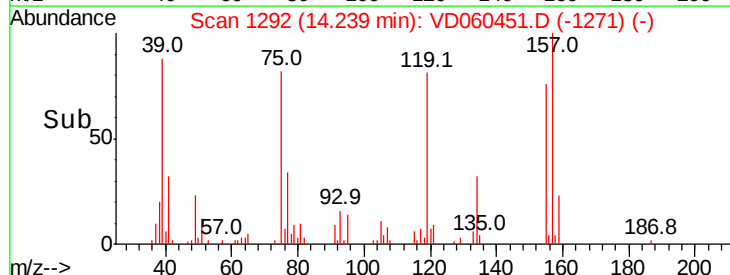
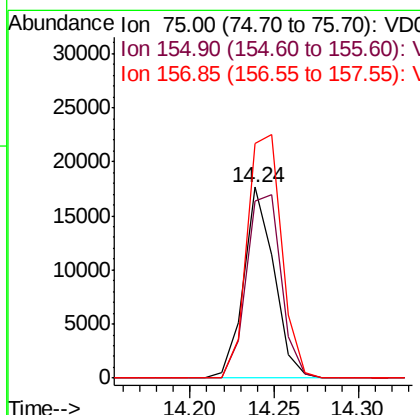
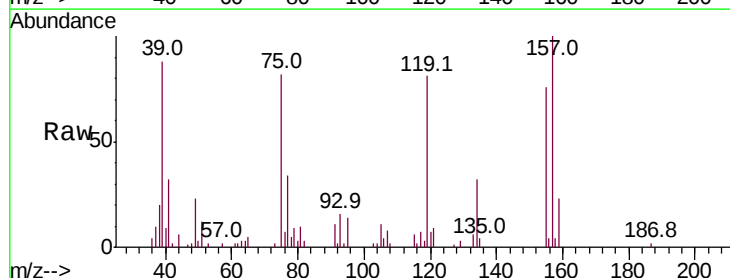
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBSD01

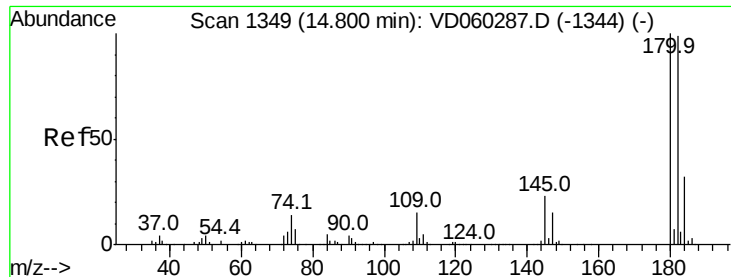
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.9	56.9
148	65.2	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.894 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.9	64.3	192.9
157	122.7	81.0	243.1

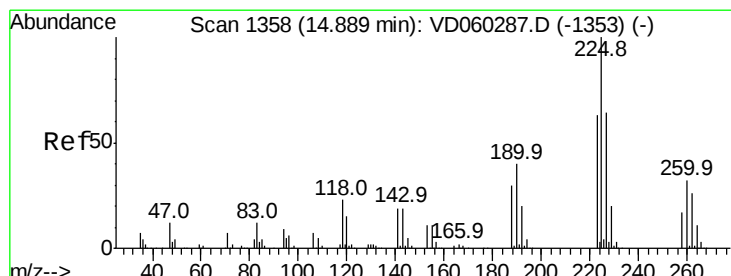
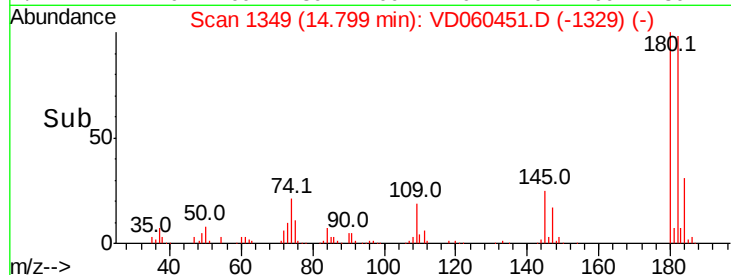
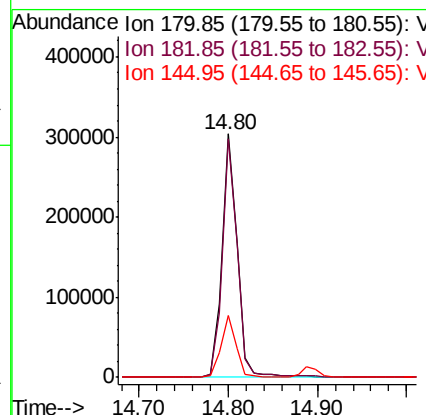
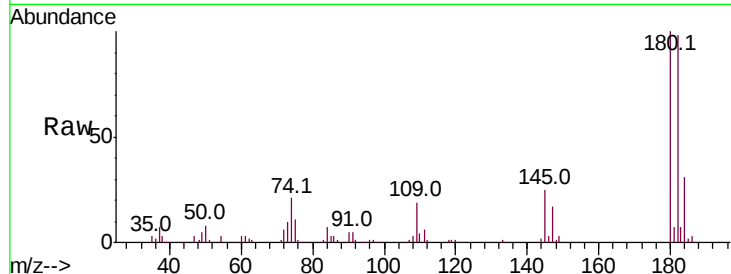




#93
 1,2,4-Trichlorobenzene
 Concen: 22.144 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

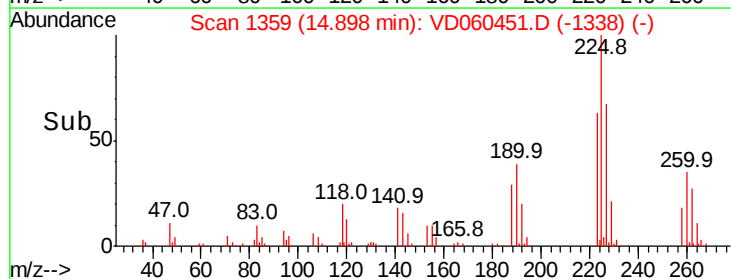
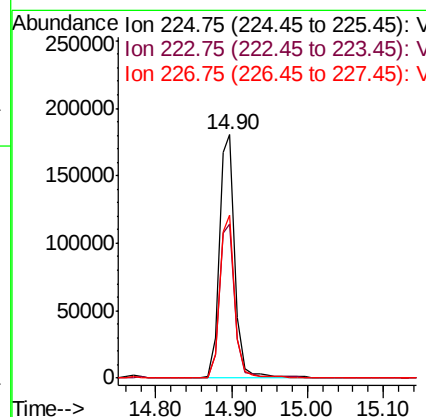
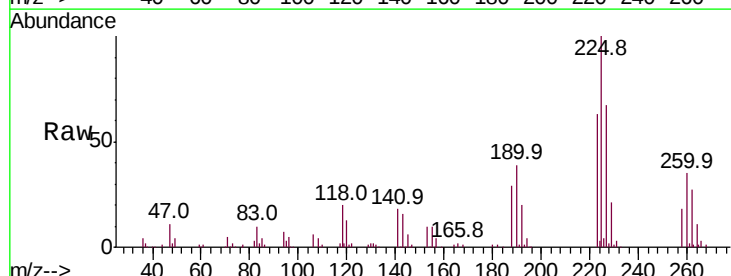
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBSD01

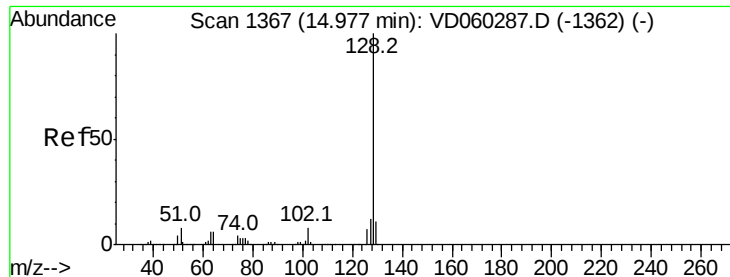
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	48.1	144.4
145	25.3	11.5	34.4



#94
 Hexachlorobutadiene
 Concen: 21.500 ug/l
 RT: 14.90 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.6	94.8
227	67.1	32.3	96.9





#95

Naphthalene

Concen: 22.295 ug/l

RT: 14.98 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

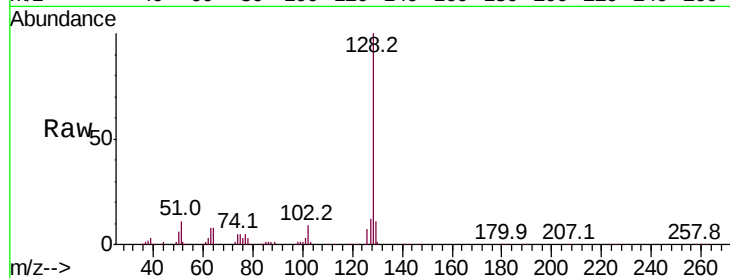
MSVOA_D

ClientSampleId :

VD1126SBSD01

Tot Ion:128 Resp: 447890

Ion	Ratio	Lower	Upper
128	100		
127	11.5	9.6	14.4
129	11.3	8.6	12.8

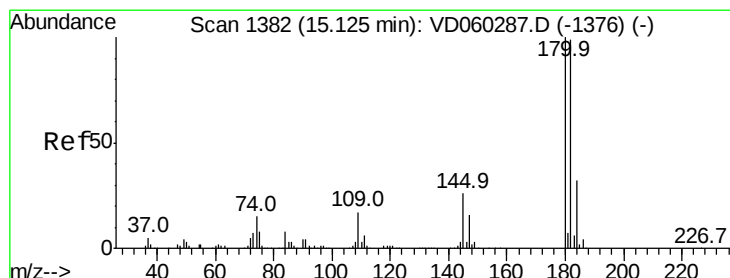
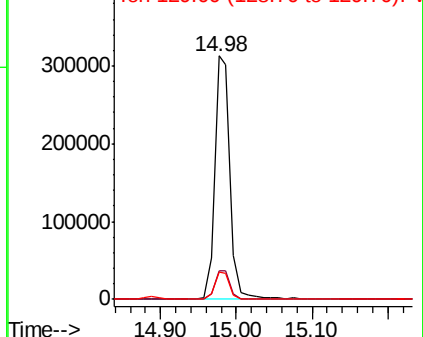
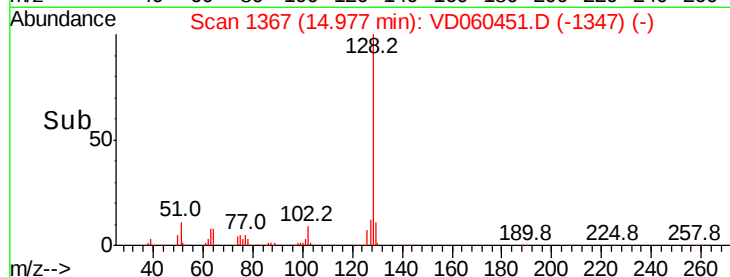


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.472 ug/l

RT: 15.12 min Scan# 1382

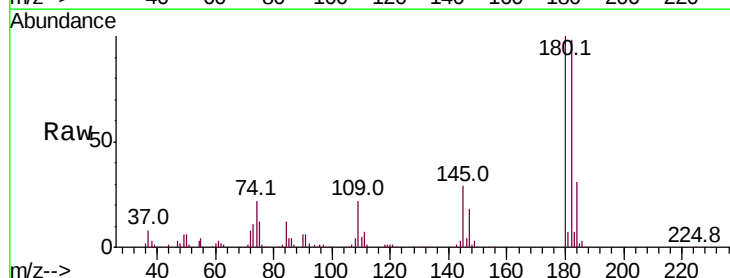
Delta R.T. -0.00 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Tgt Ion:180 Resp: 283082

Ion	Ratio	Lower	Upper
180	100		
182	97.5	48.9	146.7
145	29.4	12.9	38.6



Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

