

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112618\
 Data File : VD060450.D
 Acq On : 26 Nov 2018 12:16
 Operator : VA/AP
 Sample : VD1126SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Quant Time: Nov 26 14:08:47 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	1341215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	1849042	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1410502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.39	152	742168	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.82	65	458570	47.75	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	6.35	113	694241	50.35	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.70%	
50) Toluene-d8	9.48	98	1931806	47.87	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.74%	
62) 4-Bromofluorobenzene	12.45	95	709161	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.61	85	277701	24.02	ug/l	99
3) Chloromethane	1.78	50	280793	22.10	ug/l	97
4) Vinyl Chloride	1.88	62	233241	22.48	ug/l	95
5) Bromomethane	2.17	94	48464	19.69	ug/l	89
6) Chloroethane	2.28	64	70945	20.61	ug/l	94
7) Trichlorofluoromethane	2.54	101	270461	22.11	ug/l	97
8) Diethyl Ether	2.85	74	47840	21.60	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.12	101	180547	22.44	ug/l	99
10) Methyl Iodide	3.27	142	199812	19.12	ug/l	100
11) Tert butyl alcohol	4.00	59	36249	91.92	ug/l #	88
12) 1,1-Dichloroethene	3.11	96	146605	22.40	ug/l	94
13) Acrolein	3.01	56	30601	65.67	ug/l	91
14) Allyl chloride	3.57	41	278757	22.26	ug/l	98
15) Acrylonitrile	4.12	53	241130	104.86	ug/l	95
16) Acetone	3.19	43	178248	107.00	ug/l	96
17) Carbon Disulfide	3.34	76	430815	20.40	ug/l	99
18) Methyl Acetate	3.59	43	80412	22.64	ug/l	95
19) Methyl tert-butyl Ether	4.16	73	419706	21.42	ug/l	99
20) Methylene Chloride	3.75	84	325286	22.01	ug/l	98
21) trans-1,2-Dichloroethene	4.13	96	324285	22.32	ug/l	98
22) Diisopropyl ether	4.89	45	1037512	22.18	ug/l	98
23) Vinyl Acetate	4.84	43	2555579	109.79	ug/l	99
24) 1,1-Dichloroethane	4.79	63	542706	22.62	ug/l	99
25) 2-Butanone	5.65	43	365514	105.56	ug/l	99
26) 2,2-Dichloropropane	5.62	77	437393	23.45	ug/l	100
27) cis-1,2-Dichloroethene	5.63	96	341238	22.54	ug/l	94
28) Bromochloromethane	5.96	49	228298	21.57	ug/l	95
29) Tetrahydrofuran	5.98	42	192653	105.53	ug/l	98
30) Chloroform	6.13	83	546721	22.80	ug/l	99
31) Cyclohexane	6.39	56	489780	21.36	ug/l	97
32) 1,1,1-Trichloroethane	6.32	97	465136	23.02	ug/l	97
36) 1,1-Dichloropropene	6.55	75	414532	22.69	ug/l	98
37) Ethyl Acetate	5.72	43	177634	21.13	ug/l	94
38) Carbon Tetrachloride	6.53	117	383096	22.61	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	461776	21.98	ug/l	99
40) Benzene	6.83	78	1051211	22.54	ug/l	99
41) Methacrylonitrile	5.97	41	201420	20.94	ug/l #	97
42) 1,2-Dichloroethane	6.92	62	265818	21.78	ug/l	100
43) Isopropyl Acetate	8.37	43	220371	20.87	ug/l #	96
44) Trichloroethene	7.77	130	321938	22.78	ug/l	100
45) 1,2-Dichloropropane	8.14	63	253422	21.55	ug/l	96
46) Dibromomethane	8.24	93	147215	21.37	ug/l	96
47) Bromodichloromethane	8.52	83	352144	21.70	ug/l	96
48) Methyl methacrylate	8.27	41	130887	20.41	ug/l	94
49) 1,4-Dioxane	8.25	88	22701	409.07	ug/l	90
51) 4-Methyl-2-Pentanone	9.37	43	705324	102.63	ug/l	99
52) Toluene	9.57	92	678822	22.79	ug/l	98
53) t-1,3-Dichloropropene	9.95	75	292582	21.33	ug/l	99
54) cis-1,3-Dichloropropene	9.13	75	382332	21.74	ug/l	96
55) 1,1,2-Trichloroethane	10.20	97	182606	21.15	ug/l	98
56) Ethyl methacrylate	10.05	69	164756	20.76	ug/l	97
57) 1,3-Dichloropropane	10.41	76	284608	21.63	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.95	63	509997	106.26	ug/l	99
59) 2-Hexanone	10.51	43	545233	111.31	ug/l	97
60) Dibromochloromethane	10.66	129	229097	21.83	ug/l	98
61) 1,2-Dibromoethane	10.78	107	182992	21.15	ug/l	100
64) Tetrachloroethene	10.27	164	296036	23.51	ug/l	97
65) Chlorobenzene	11.33	112	701816	22.96	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	243013	24.30	ug/l	95
67) Ethyl Benzene	11.44	91	1279074	24.47	ug/l	98
68) m/p-Xylenes	11.58	106	935039	48.48	ug/l	97
69) o-Xylene	11.95	106	447670	24.03	ug/l	95
70) Styrene	11.97	104	714498	23.73	ug/l	100
71) Bromoform	12.13	173	149512	22.25	ug/l	97
73) Isopropylbenzene	12.29	105	1283542	23.74	ug/l	98
74) N-amyl acetate	12.15	43	285390	20.59	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	185997	21.03	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	184911	20.83	ug/l	98
77) Bromobenzene	12.55	156	312730	21.77	ug/l	93
78) n-propylbenzene	12.65	91	1596398	23.65	ug/l	98
79) 2-Chlorotoluene	12.72	91	849898	22.99	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	988874	23.53	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.36	75	50776	20.09	ug/l	93
82) 4-Chlorotoluene	12.83	91	973812	23.45	ug/l	90
83) tert-Butylbenzene	13.07	119	1083921	23.23	ug/l	100
84) 1,2,4-Trimethylbenzene	13.10	105	1005257	23.95	ug/l	99
85) sec-Butylbenzene	13.23	105	1373034	23.99	ug/l	99
86) p-Isopropyltoluene	13.36	119	1106226	24.00	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	586269	22.94	ug/l	99
88) 1,4-Dichlorobenzene	13.41	146	577465	23.14	ug/l	99
89) n-Butylbenzene	13.67	91	1110052	22.14	ug/l	100
90) Hexachloroethane	13.87	117	252374	23.09	ug/l	97
91) 1,2-Dichlorobenzene	13.68	146	471090	22.44	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20973	19.65	ug/l	62

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Instrument :
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ClientSampleId :
VD1126SBS01

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

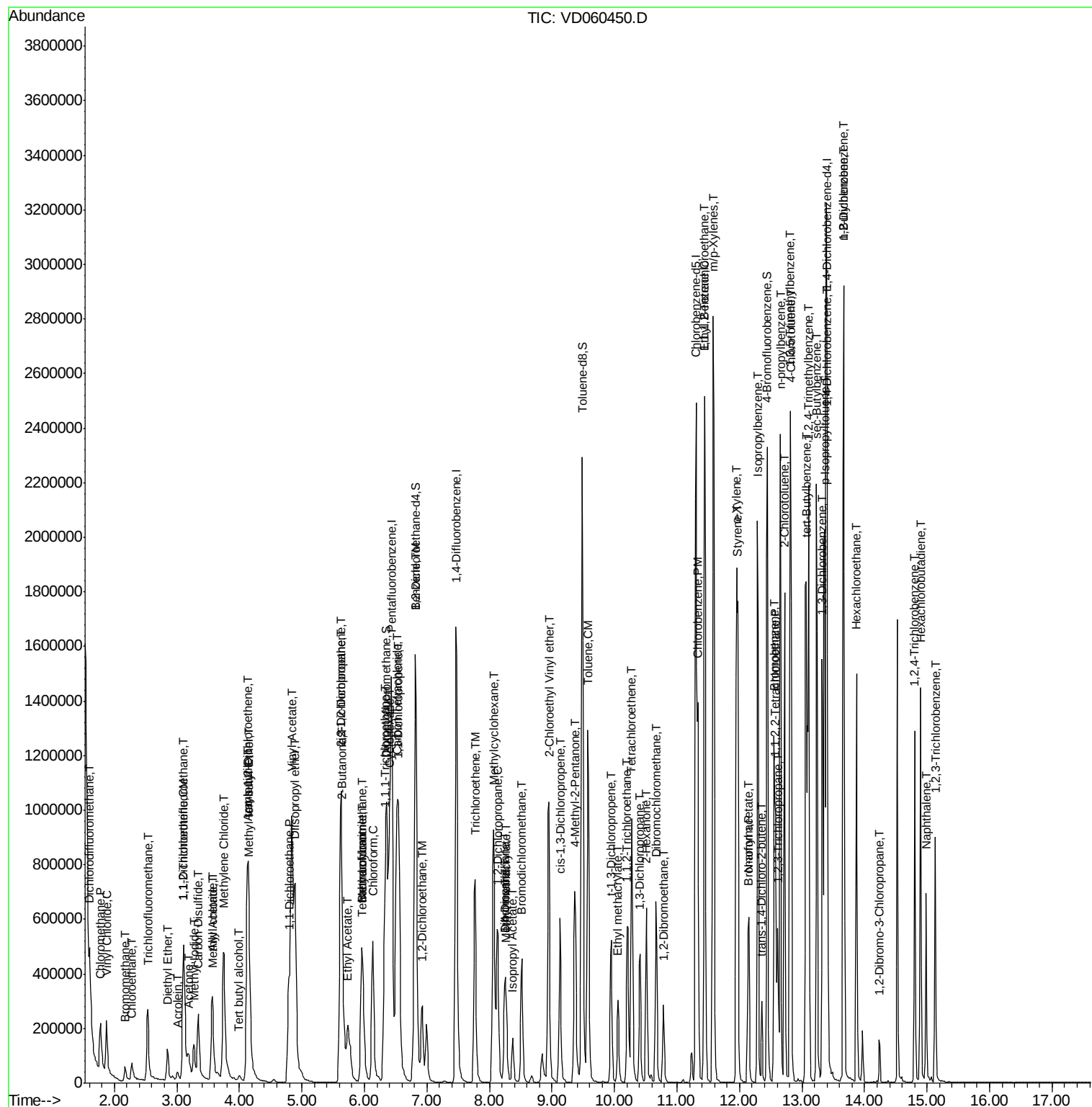
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	363830	21.86	ug/l	97
94) Hexachlorobutadiene	14.90	225	273764	21.99	ug/l	97
95) Naphthalene	14.98	128	421046	20.72	ug/l	100
96) 1,2,3-Trichlorobenzene	15.13	180	287219	21.54	ug/l	99

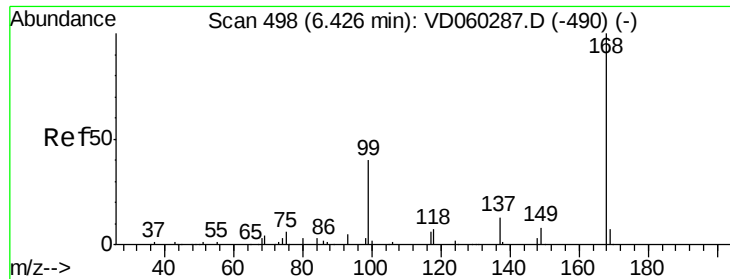
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

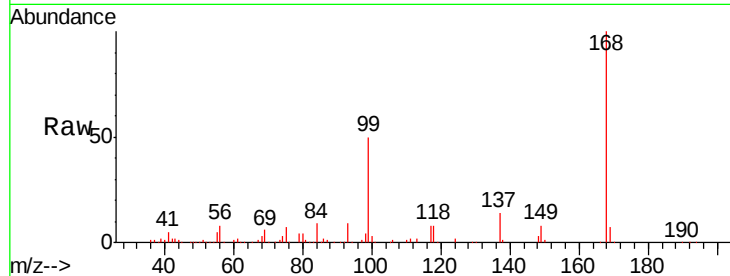
VD1126SBS01

Tgt Ion:168 Resp: 1341215

Ion Ratio Lower Upper

168 100

99 50.3 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

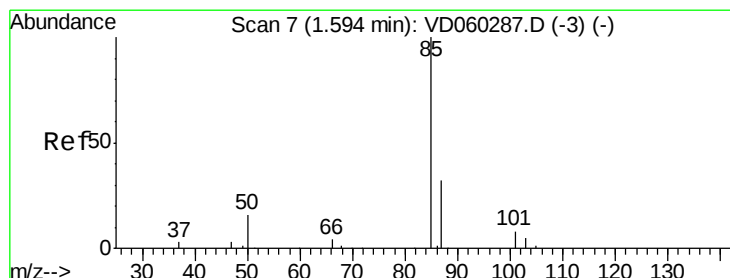
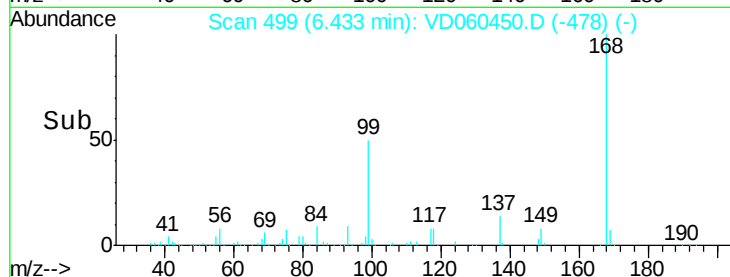
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.02 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060450.D

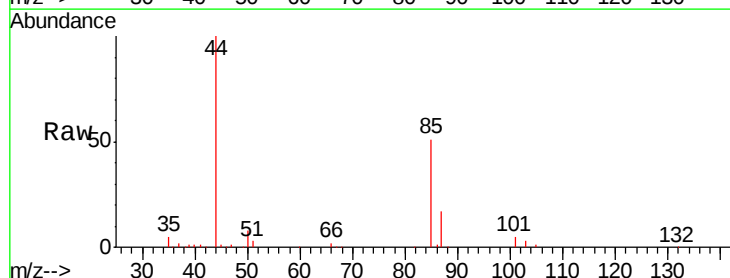
Acq: 26 Nov 2018 12:16

Tgt Ion: 85 Resp: 277701

Ion Ratio Lower Upper

85 100

87 33.2 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

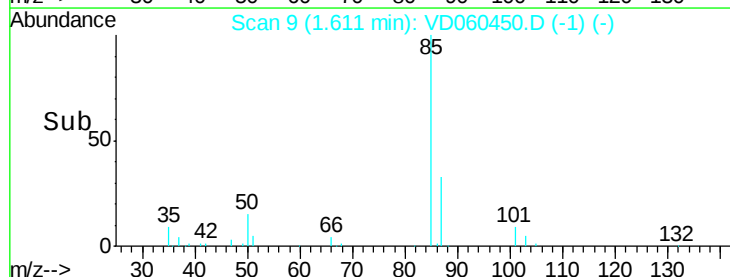
1.61

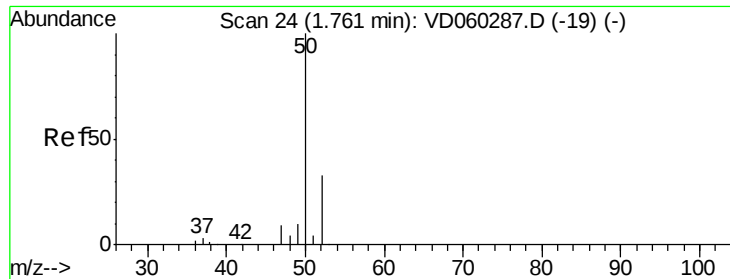
100000

50000

0

Time-->





#3

Chloromethane

Concen: 22.10 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

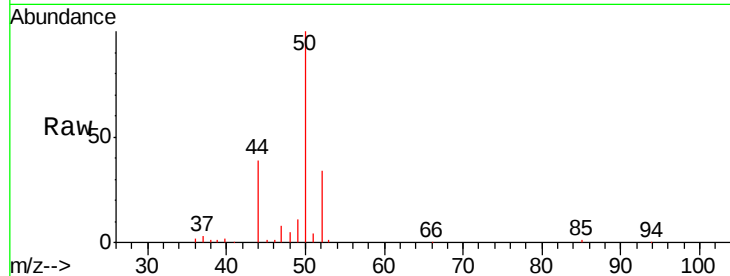
VD1126SBS01

Tgt Ion: 50 Resp: 280793

Ion Ratio Lower Upper

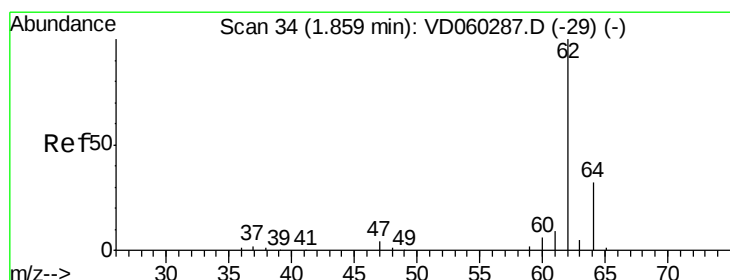
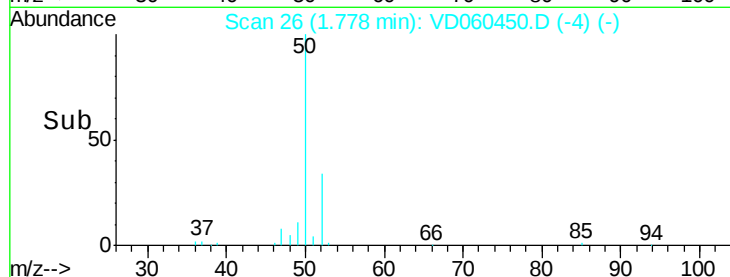
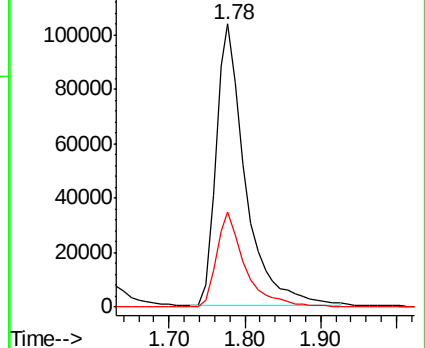
50 100

52 33.6 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.48 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD060450.D

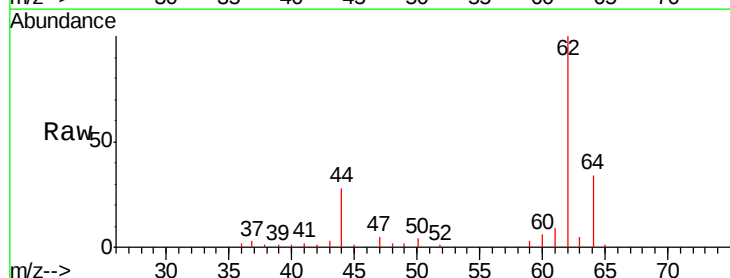
Acq: 26 Nov 2018 12:16

Tgt Ion: 62 Resp: 233241

Ion Ratio Lower Upper

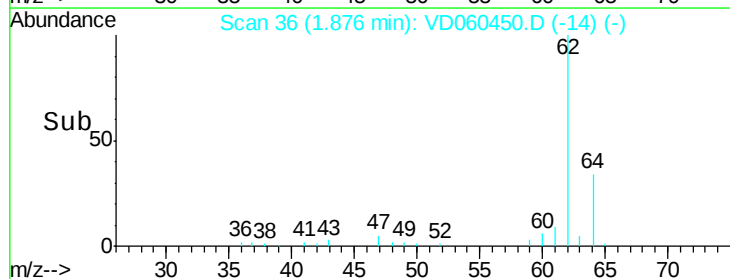
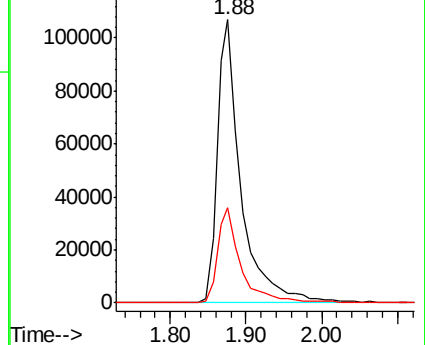
62 100

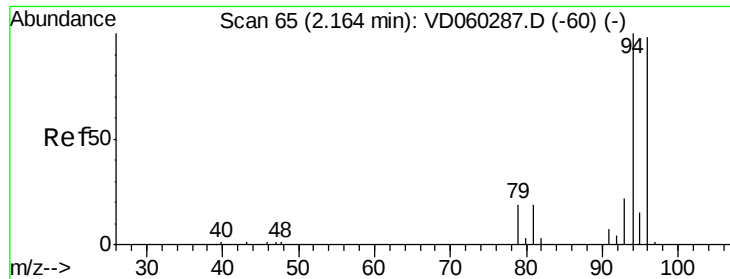
64 33.8 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.69 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

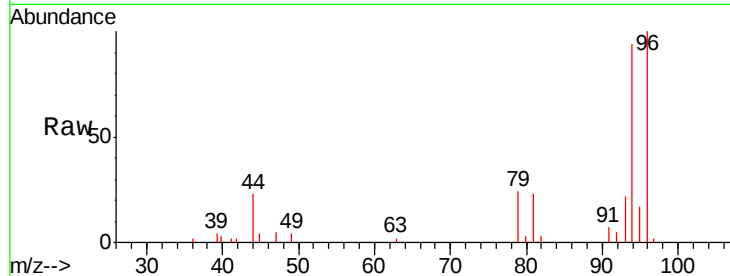
VD1126SBS01

Tgt Ion: 94 Resp: 48464

Ion Ratio Lower Upper

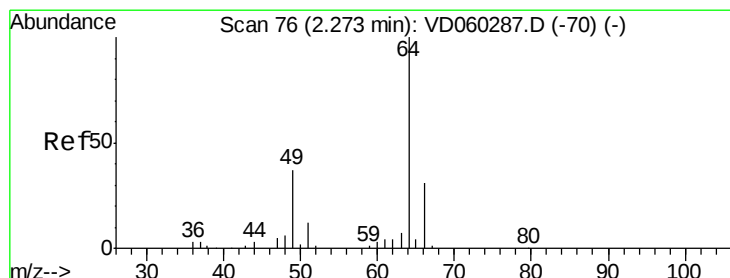
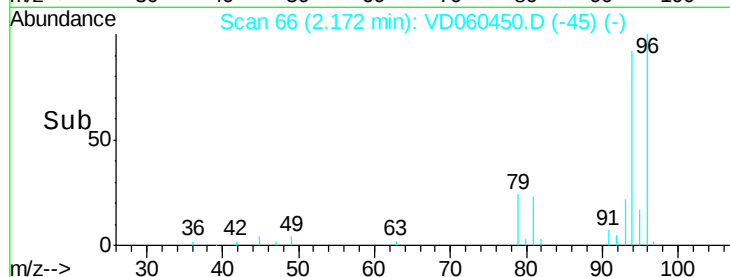
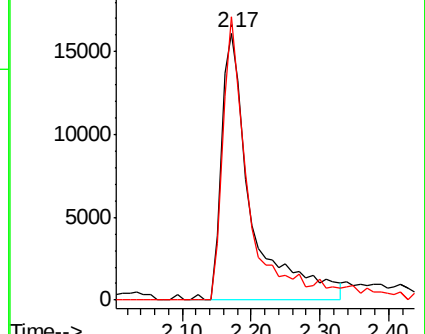
94 100

96 106.1 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: 20.61 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.01 min

Lab File: VD060450.D

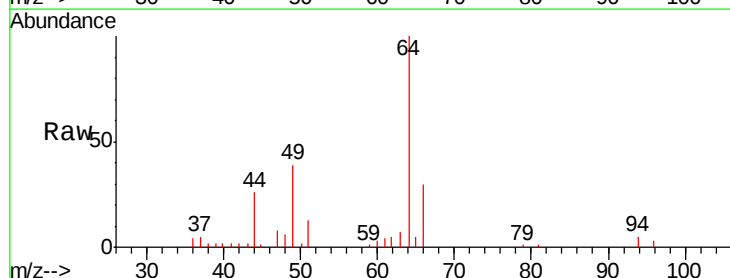
Acq: 26 Nov 2018 12:16

Tgt Ion: 64 Resp: 70945

Ion Ratio Lower Upper

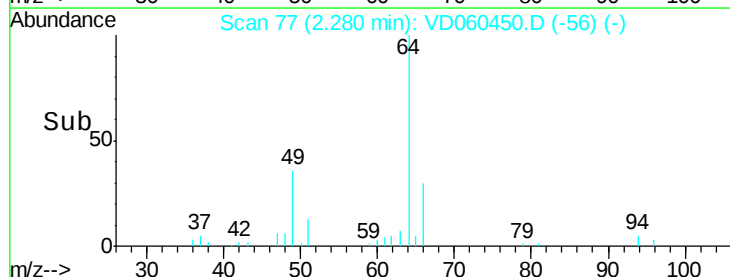
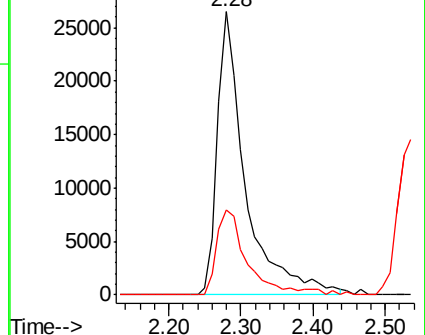
64 100

66 30.1 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



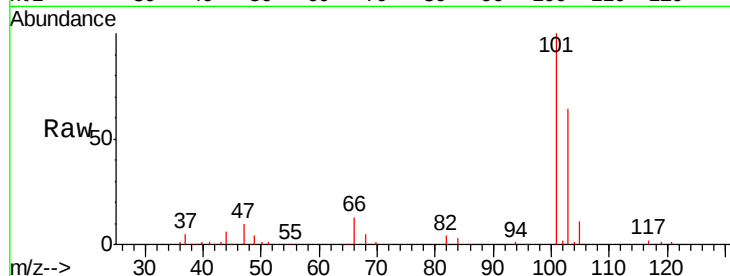


#7

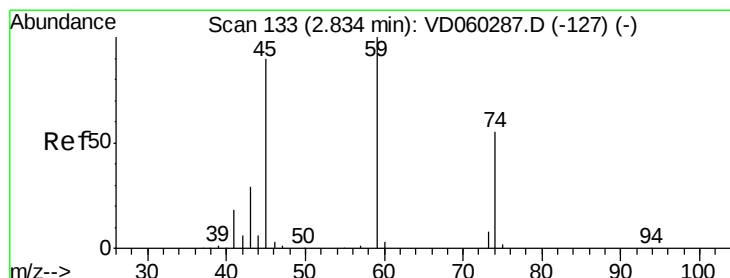
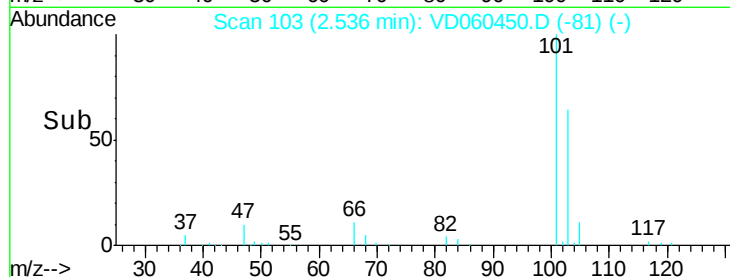
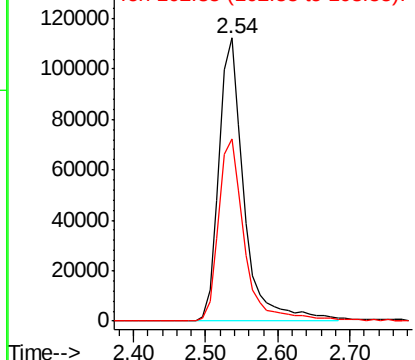
Trichlorofluoromethane
 Concen: 22.11 ug/l
 RT: 2.54 min Scan# 103
 Delta R.T. 0.02 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tgt Ion: 101 Resp: 270461
 Ion Ratio Lower Upper
 101 100
 103 64.5 53.6 80.4



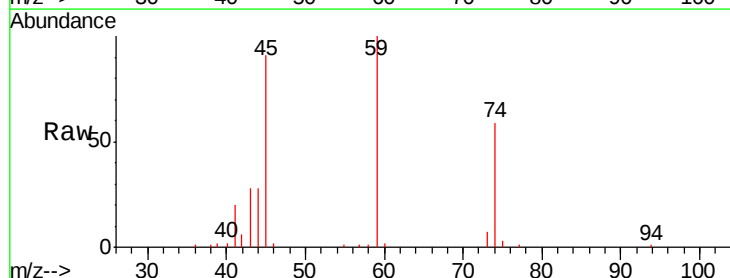
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



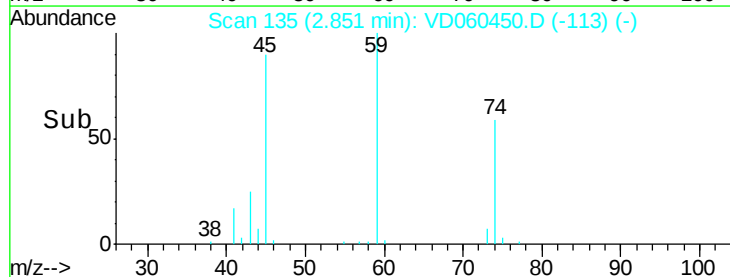
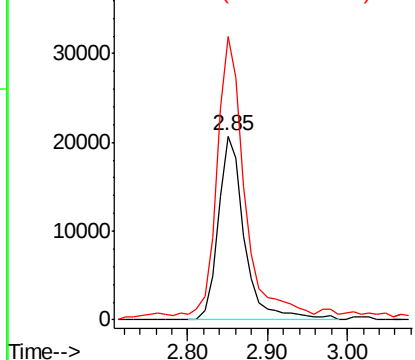
#8

Diethyl Ether
 Concen: 21.60 ug/l
 RT: 2.85 min Scan# 135
 Delta R.T. 0.02 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

Tgt Ion: 74 Resp: 47840
 Ion Ratio Lower Upper
 74 100
 45 153.7 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.44 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

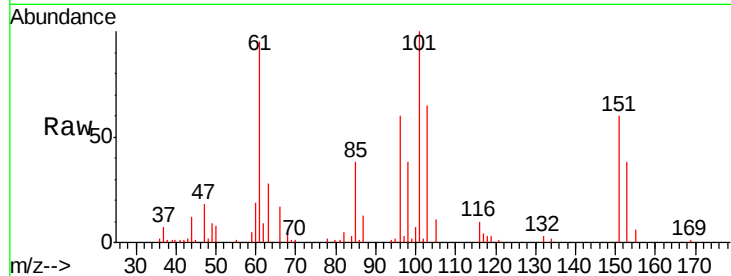
Tgt Ion:101 Resp: 180547

Ion Ratio Lower Upper

101 100

85 38.0 31.4 47.0

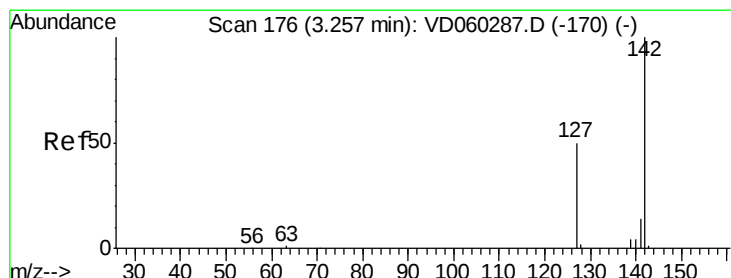
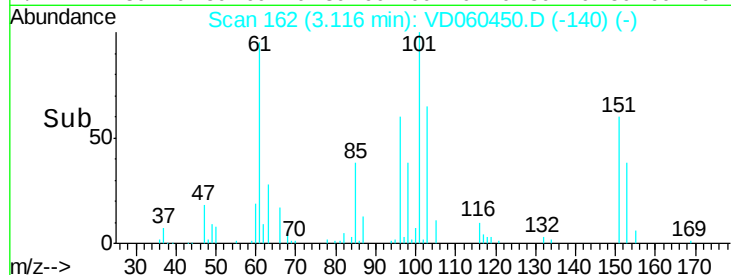
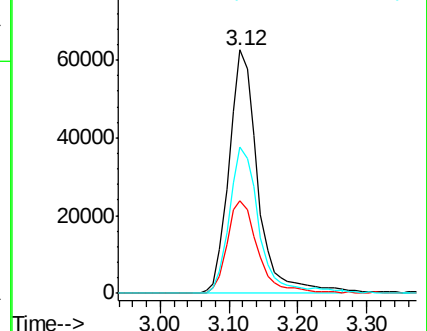
151 59.9 47.4 71.0



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: 19.12 ug/l

RT: 3.27 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

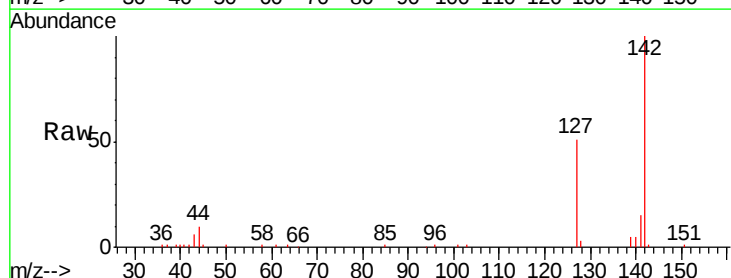
Tgt Ion:142 Resp: 199812

Ion Ratio Lower Upper

142 100

127 51.1 41.0 61.6

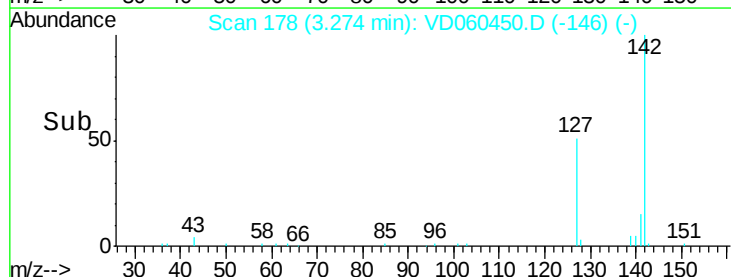
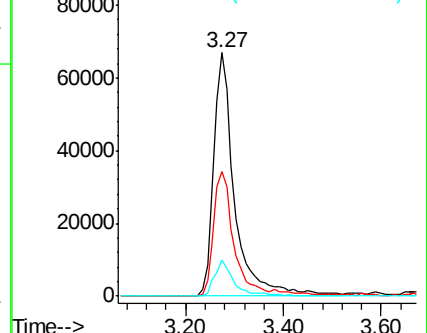
141 14.8 11.9 17.9

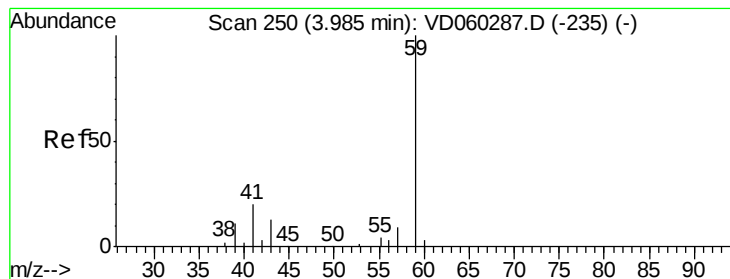


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 91.92 ug/l

RT: 4.00 min Scan# 252

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

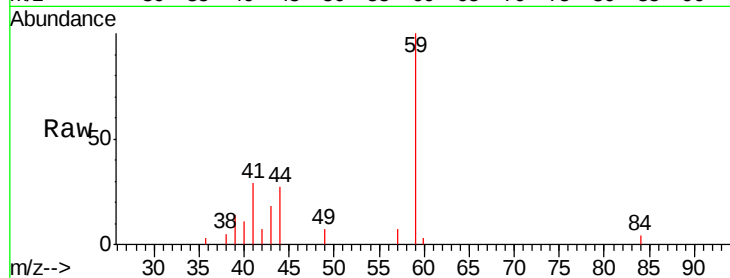
VD1126SBS01

Tgt Ion: 59 Resp: 36249

Ion Ratio Lower Upper

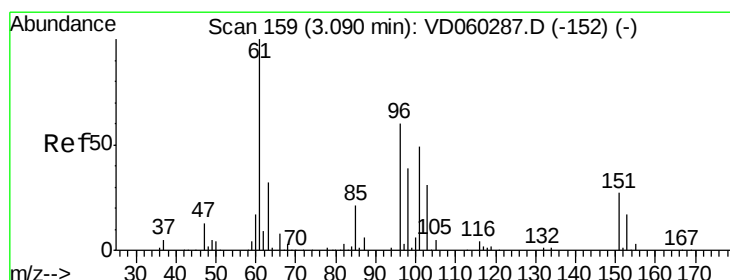
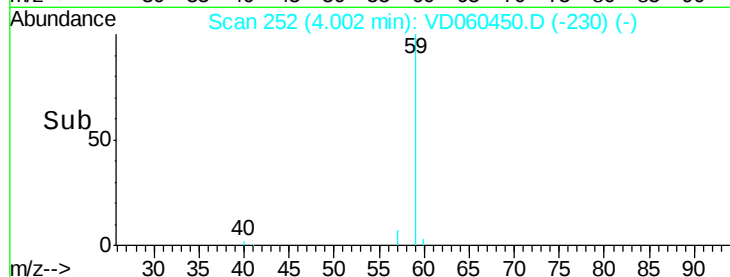
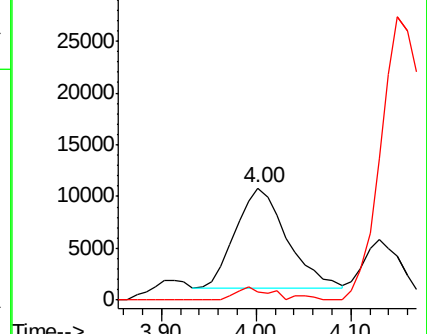
59 100

57 7.0 9.3 13.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 22.40 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

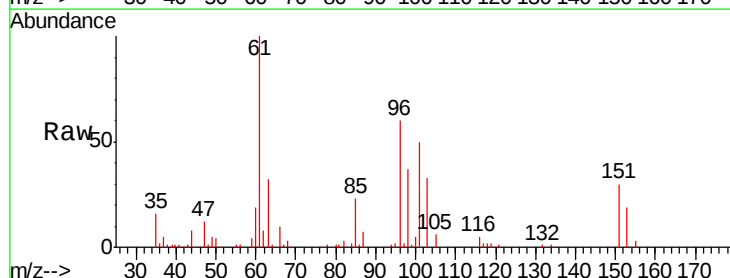
Tgt Ion: 96 Resp: 146605

Ion Ratio Lower Upper

96 100

61 167.3 142.2 213.4

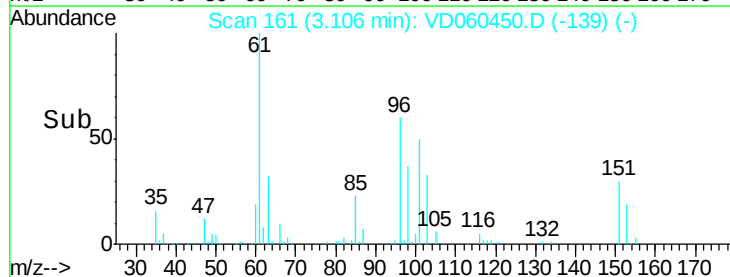
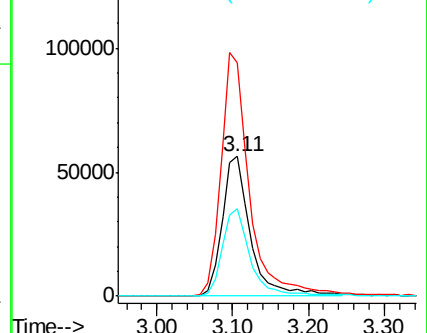
98 62.7 52.6 79.0

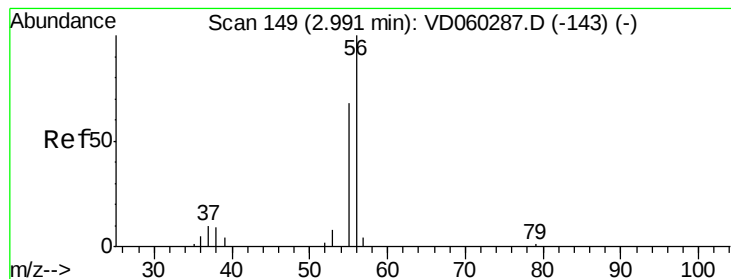


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 65.67 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

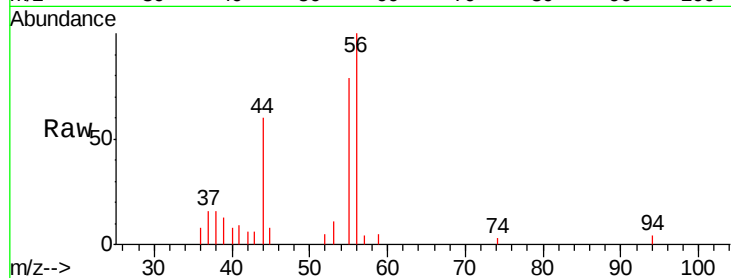
VD1126SBS01

Tgt Ion: 56 Resp: 30601

Ion Ratio Lower Upper

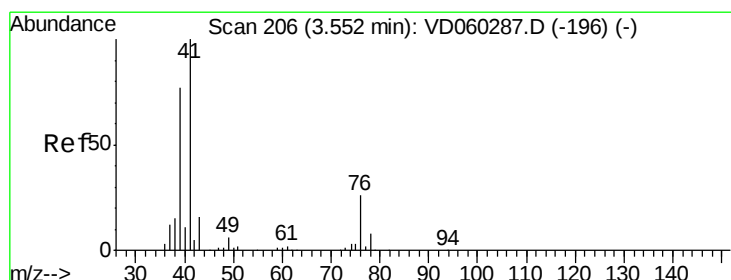
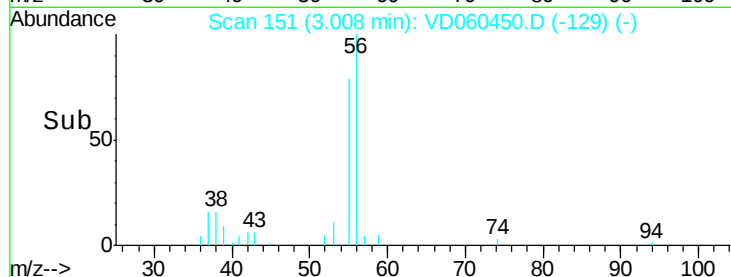
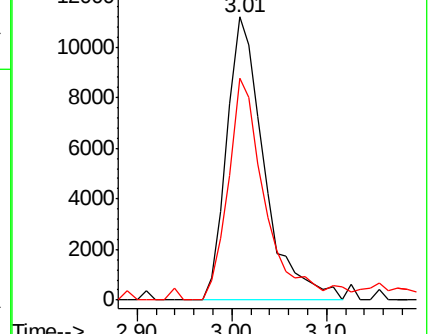
56 100

55 78.6 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: 22.26 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

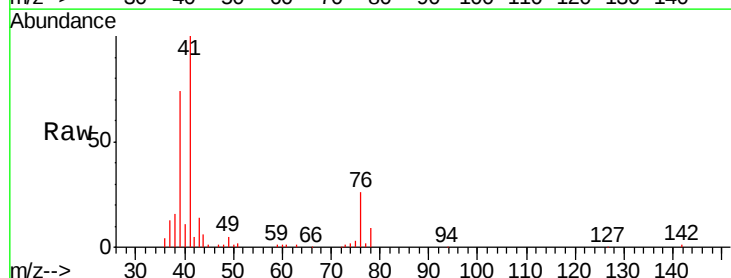
Tgt Ion: 41 Resp: 278757

Ion Ratio Lower Upper

41 100

39 73.5 60.4 90.6

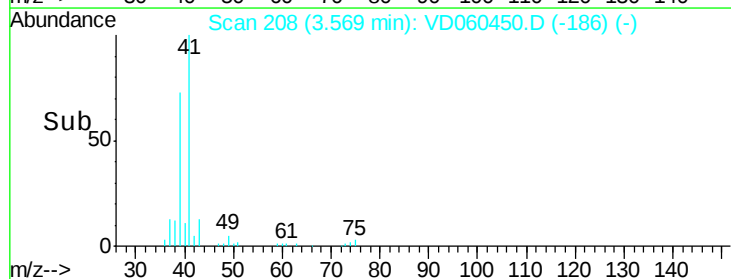
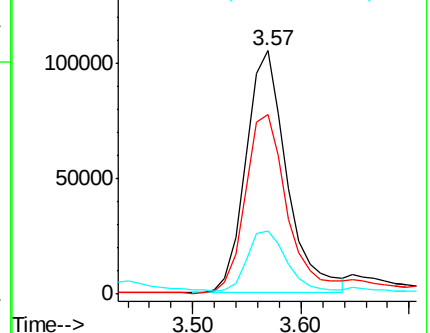
76 26.0 21.8 32.8

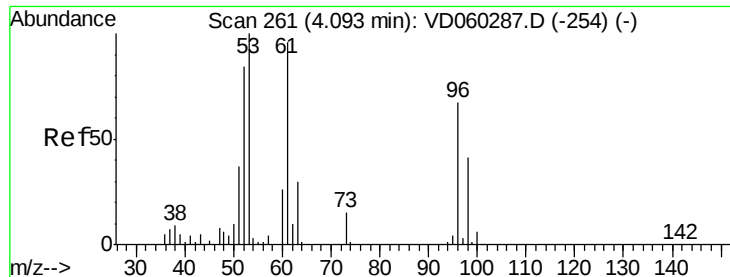


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 104.86 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.03 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

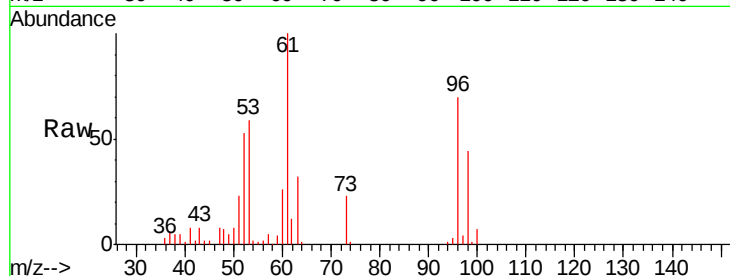
Tgt Ion: 53 Resp: 241130

Ion Ratio Lower Upper

53 100

52 88.9 67.0 100.4

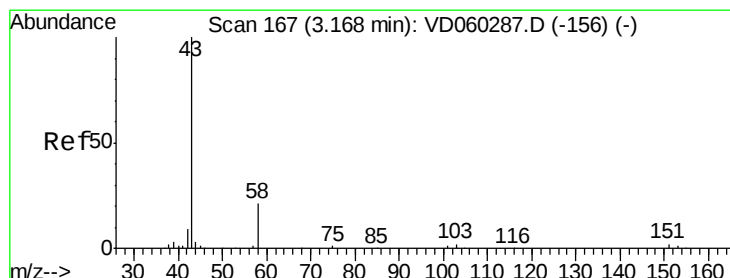
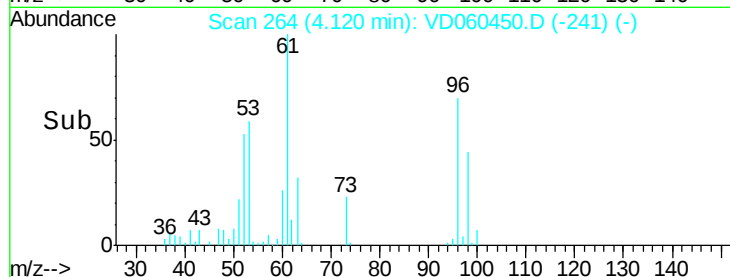
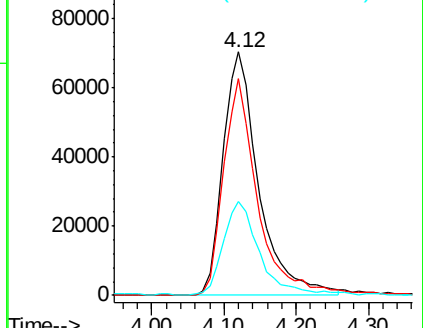
51 38.6 29.9 44.9



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: 107.00 ug/l

RT: 3.19 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060450.D

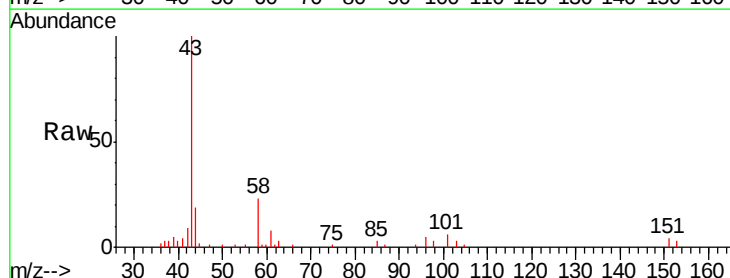
Acq: 26 Nov 2018 12:16

Tgt Ion: 43 Resp: 178248

Ion Ratio Lower Upper

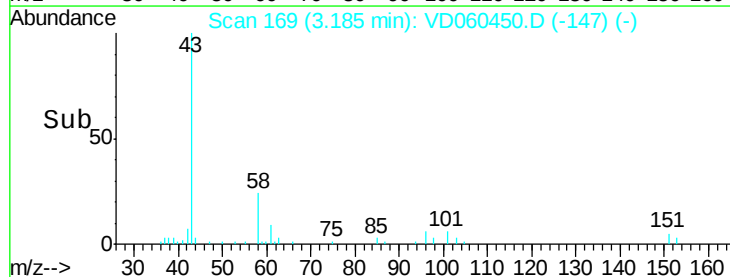
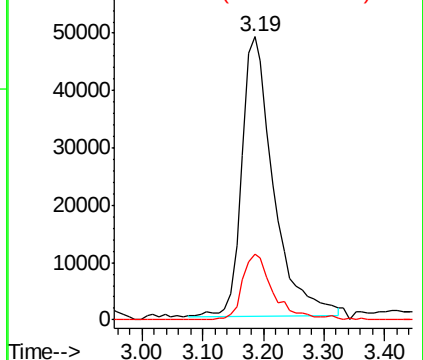
43 100

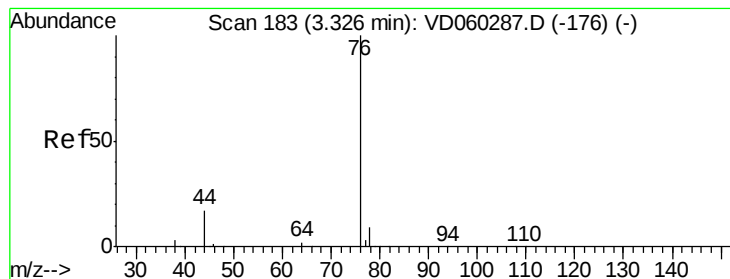
58 23.1 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.40 ug/l

RT: 3.34 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

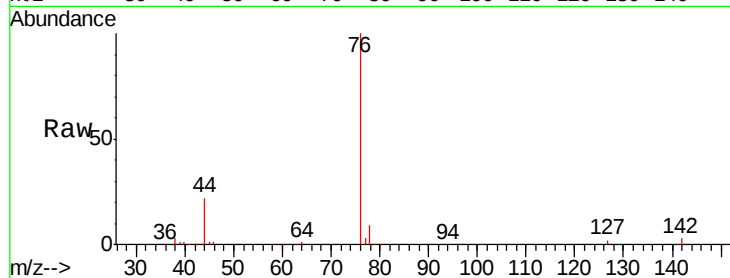
VD1126SBS01

Tgt Ion: 76 Resp: 430815

Ion Ratio Lower Upper

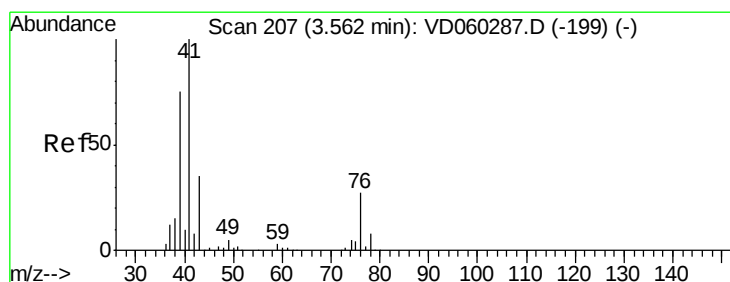
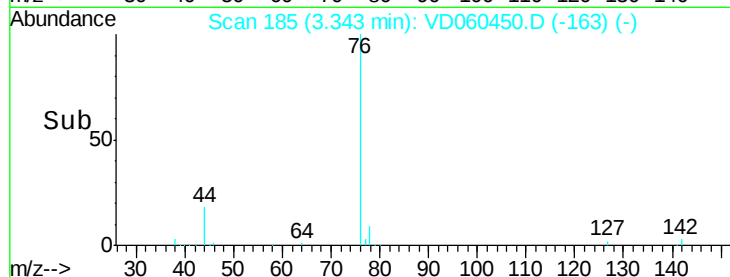
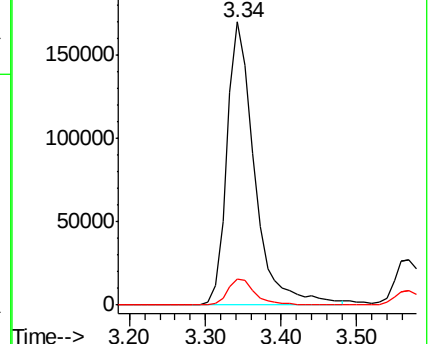
76 100

78 9.2 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: 22.64 ug/l

RT: 3.59 min Scan# 210

Delta R.T. 0.03 min

Lab File: VD060450.D

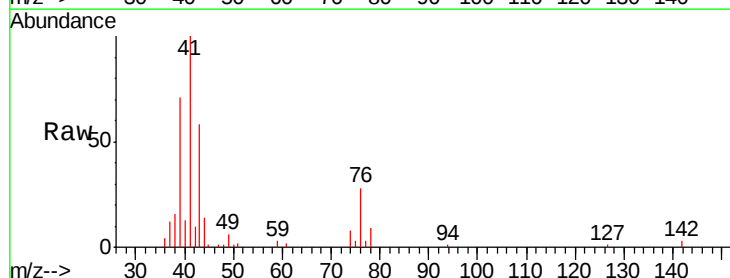
Acq: 26 Nov 2018 12:16

Tgt Ion: 43 Resp: 80412

Ion Ratio Lower Upper

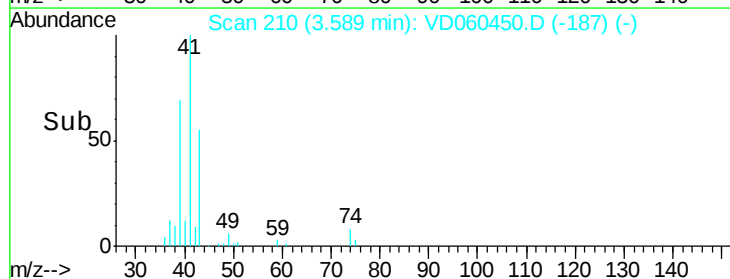
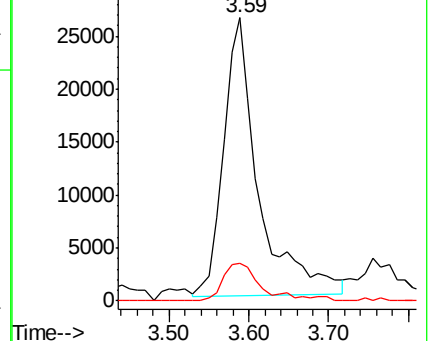
43 100

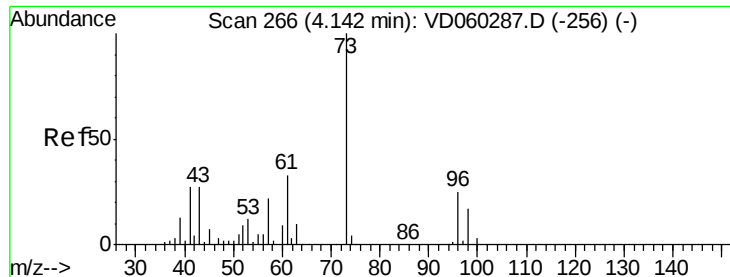
74 13.4 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

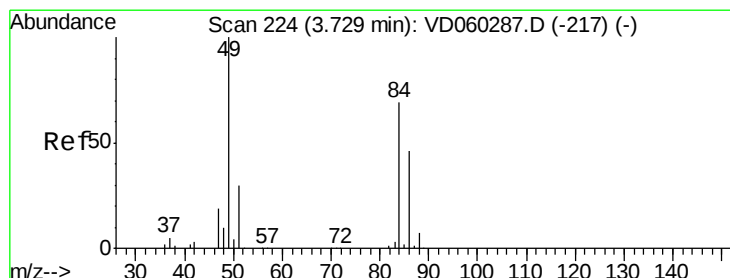
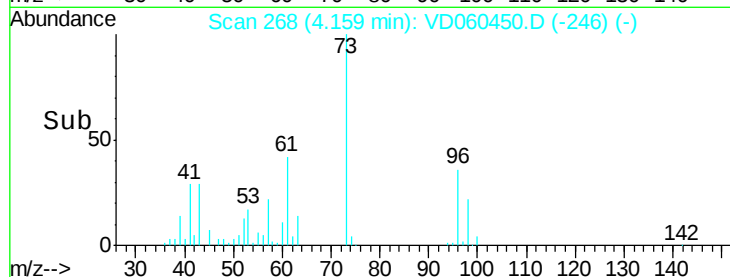
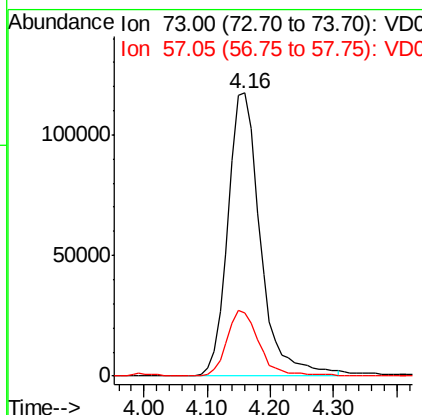
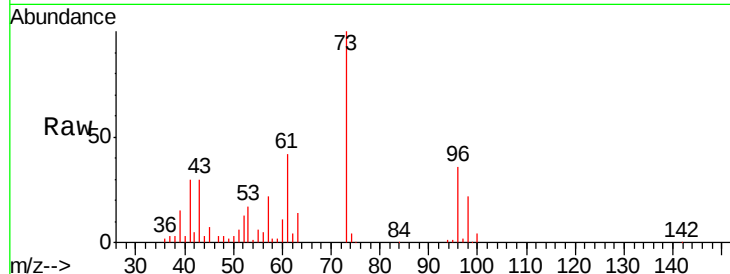




#19
Methyl tert-butyl Ether
Concen: 21.42 ug/l
RT: 4.16 min Scan# 268
Delta R.T. 0.02 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

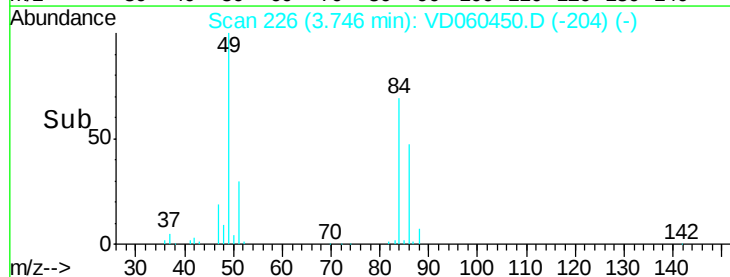
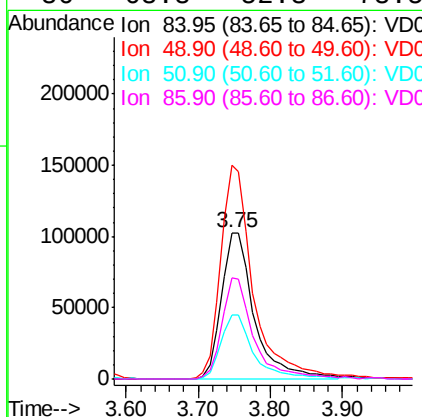
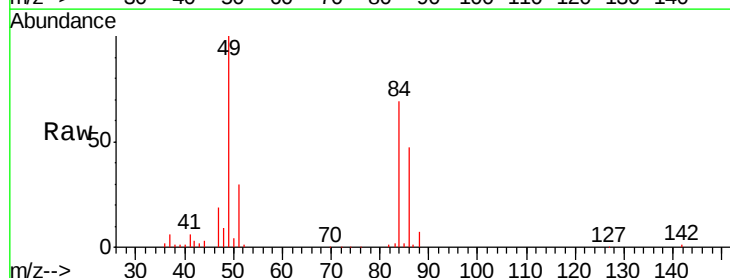
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

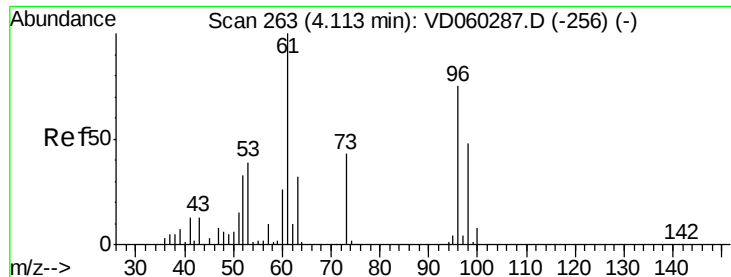
Tgt Ion: 73 Resp: 419706
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1



#20
Methylene Chloride
Concen: 22.01 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Tgt Ion: 84 Resp: 325286
Ion Ratio Lower Upper
84 100
49 145.8 115.6 173.4
51 43.4 35.6 53.4
86 68.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 22.32 ug/l

RT: 4.13 min Scan# 265

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

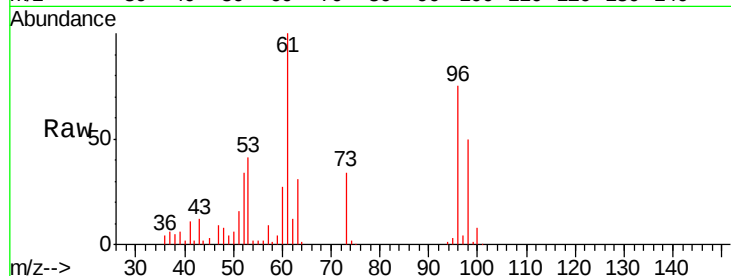
Tgt Ion: 96 Resp: 324285

Ion Ratio Lower Upper

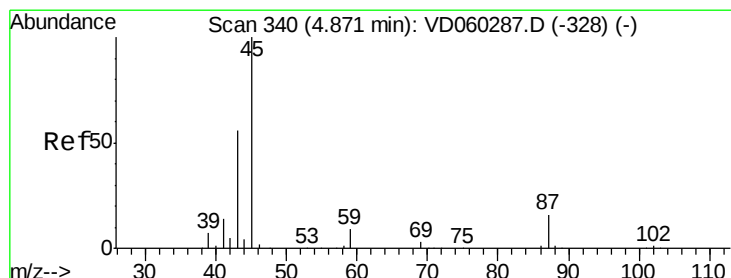
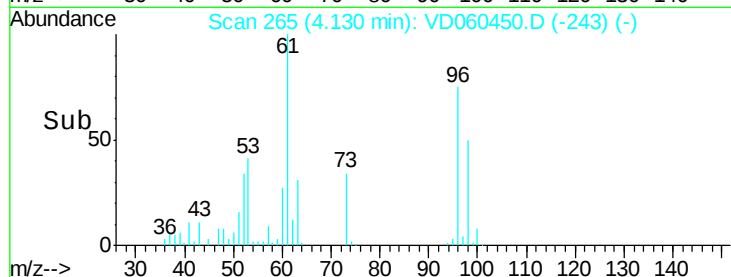
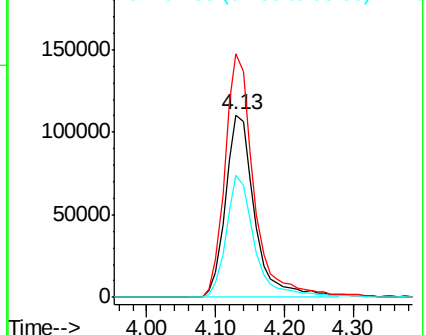
96 100

61 133.6 105.8 158.6

98 67.0 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: 22.18 ug/l

RT: 4.89 min Scan# 342

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Tgt Ion: 45 Resp: 1037512

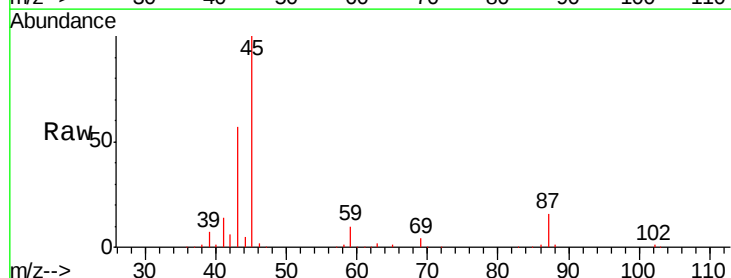
Ion Ratio Lower Upper

45 100

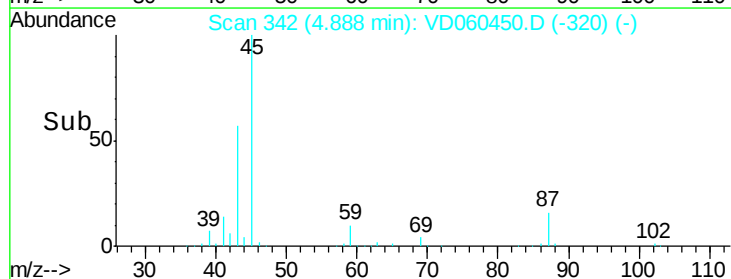
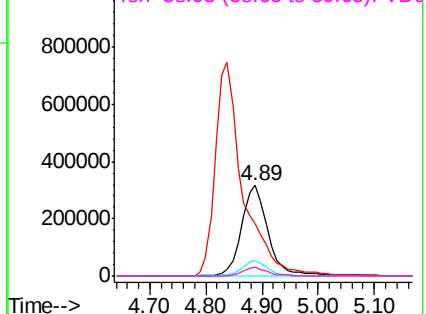
43 57.3 44.9 67.3

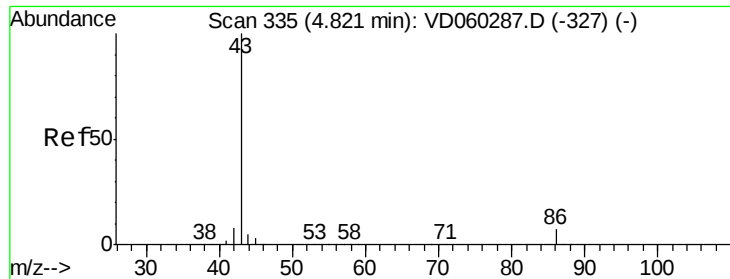
87 16.5 13.9 20.9

59 9.6 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

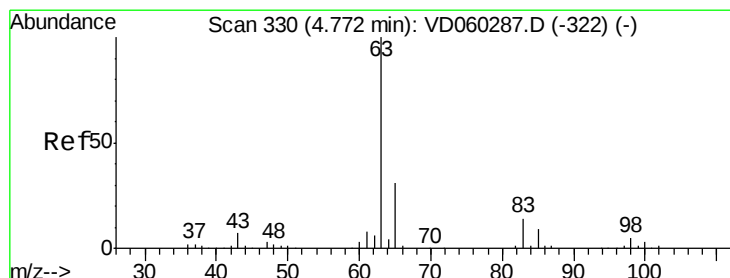
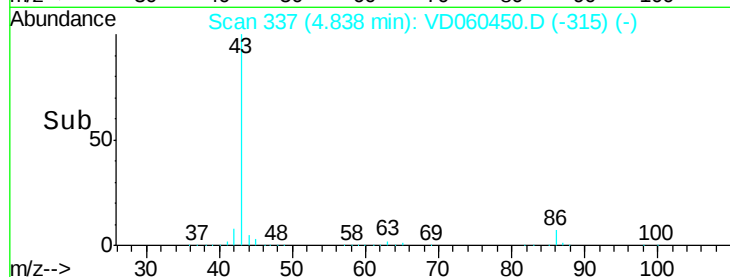
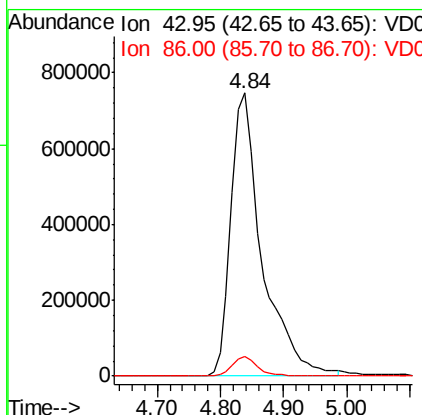
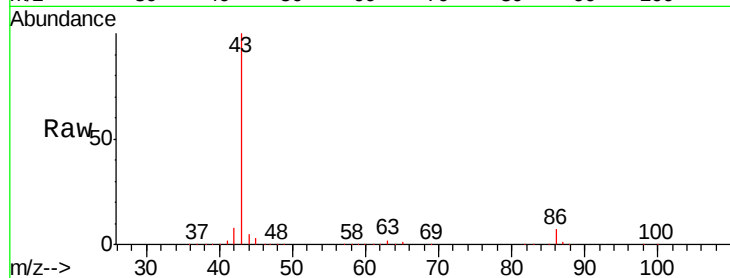




#23
 Vinyl Acetate
 Concen: 109.79 ug/l
 RT: 4.84 min Scan# 337
 Delta R.T. 0.02 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

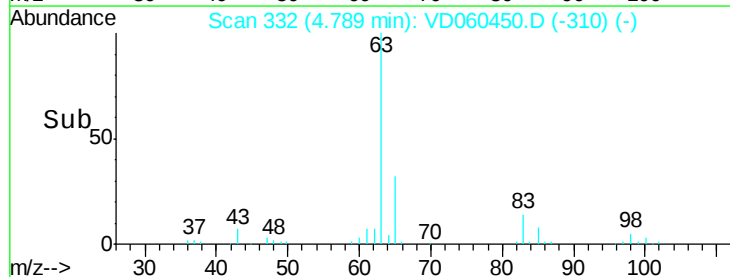
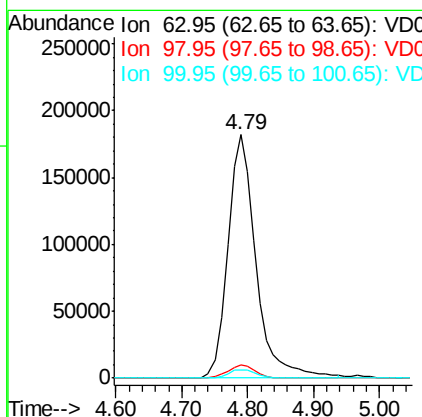
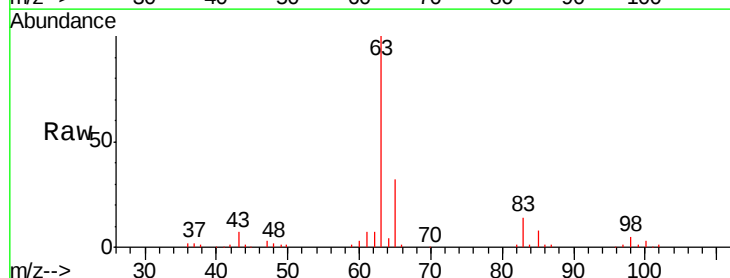
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tgt Ion: 43 Resp: 2555579
 Ion Ratio Lower Upper
 43 100
 86 6.9 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 22.62 ug/l
 RT: 4.79 min Scan# 332
 Delta R.T. 0.02 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

Tgt Ion: 63 Resp: 542706
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.8 8.4
 100 3.3 1.8 5.5





#25

2-Butanone

Concen: 105.56 ug/l

RT: 5.65 min Scan# 419

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

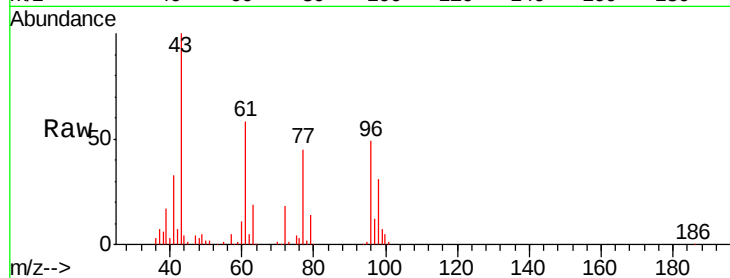
VD1126SBS01

Tgt Ion: 43 Resp: 365514

Ion Ratio Lower Upper

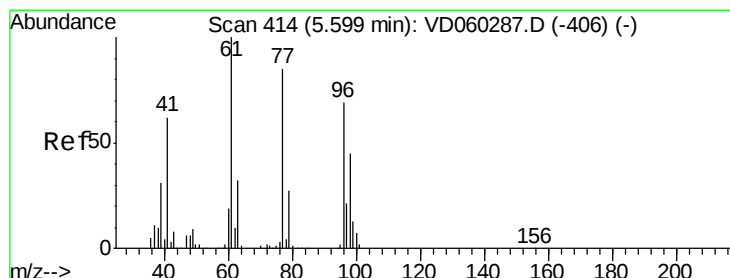
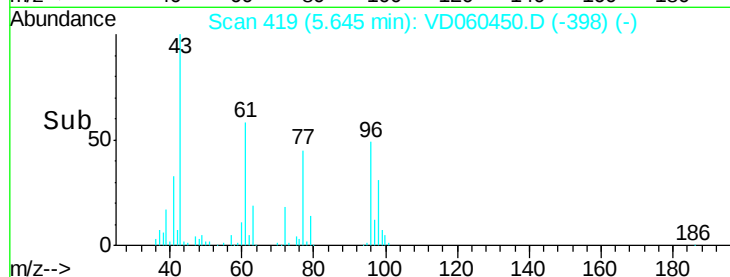
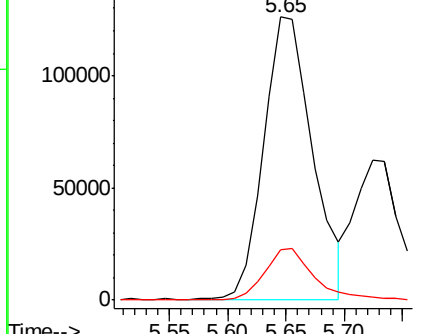
43 100

72 17.8 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: 23.45 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060450.D

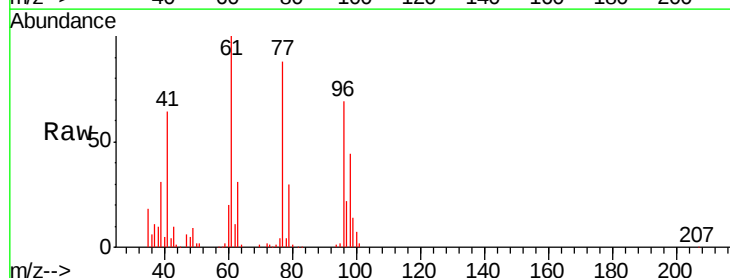
Acq: 26 Nov 2018 12:16

Tgt Ion: 77 Resp: 437393

Ion Ratio Lower Upper

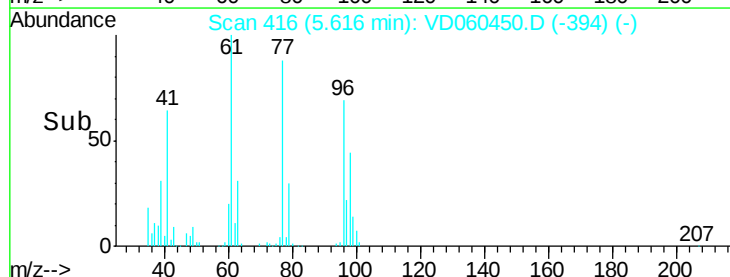
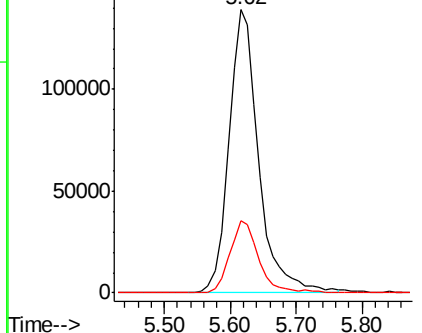
77 100

97 25.3 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: 22.54 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

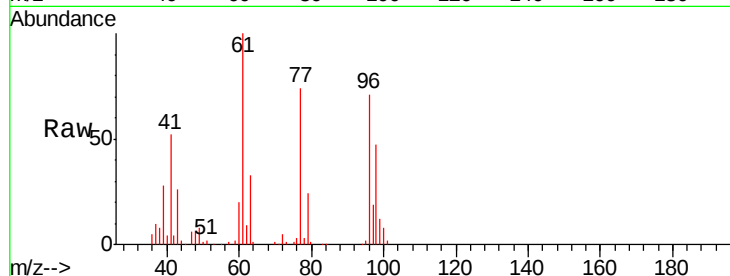
Tgt Ion: 96 Resp: 341238

Ion Ratio Lower Upper

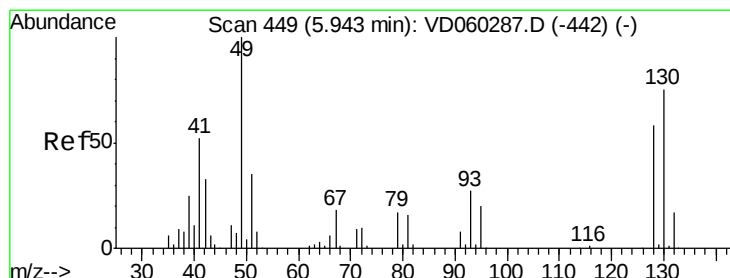
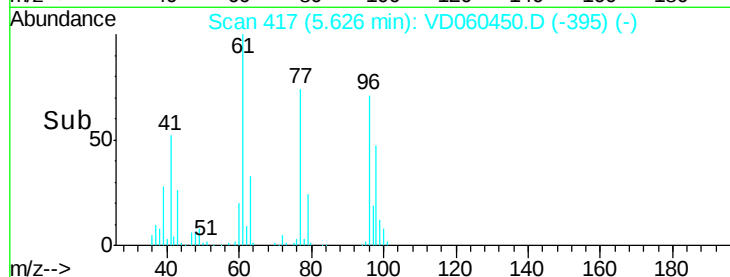
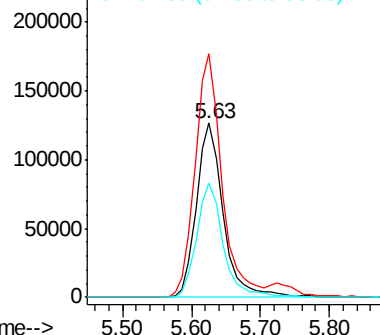
96 100

61 139.9 0.0 259.0

98 65.5 0.0 128.8



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



#28

Bromochloromethane

Concen: 21.57 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

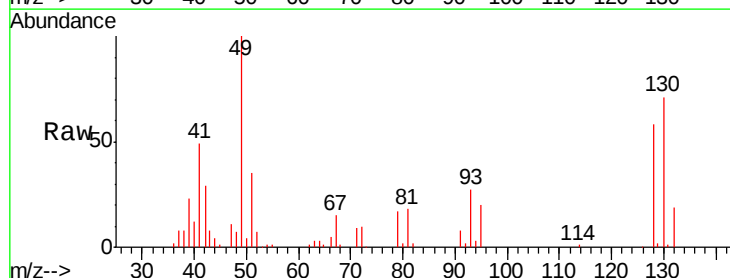
Tgt Ion: 49 Resp: 228298

Ion Ratio Lower Upper

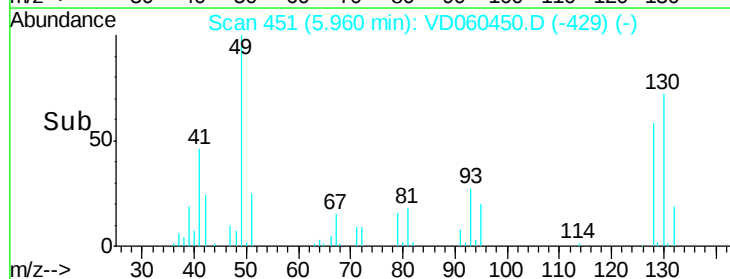
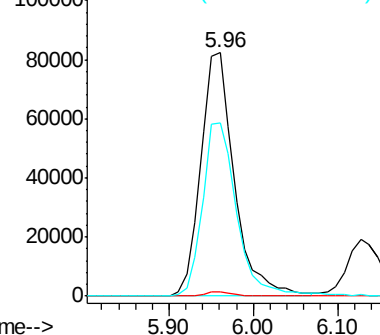
49 100

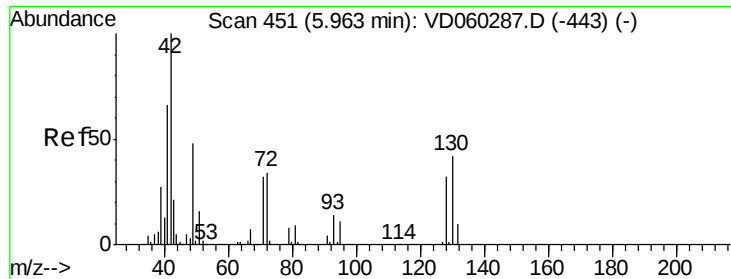
129 1.6 0.0 2.8

130 71.2 53.6 80.4



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

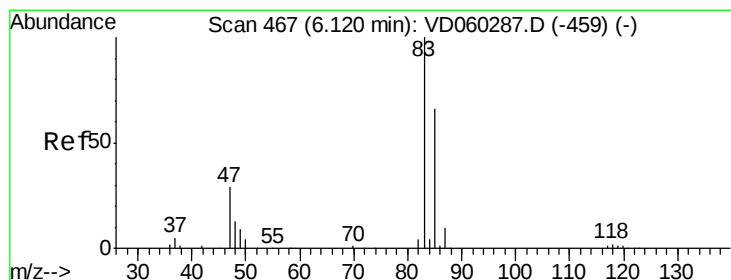
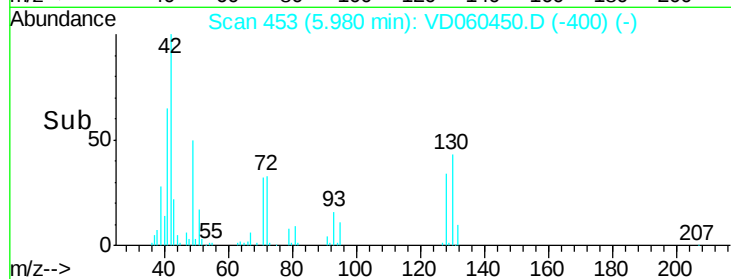
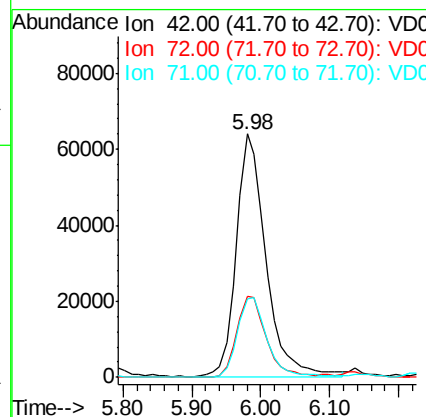
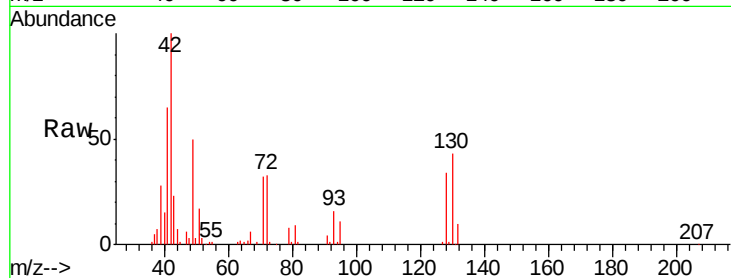




#29
Tetrahydrofuran
Concen: 105.53 ug/l
RT: 5.98 min Scan# 453
Delta R.T. 0.02 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

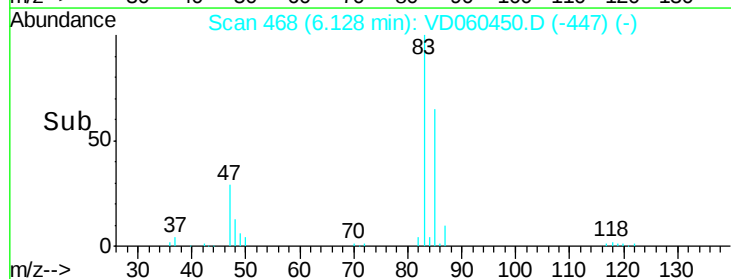
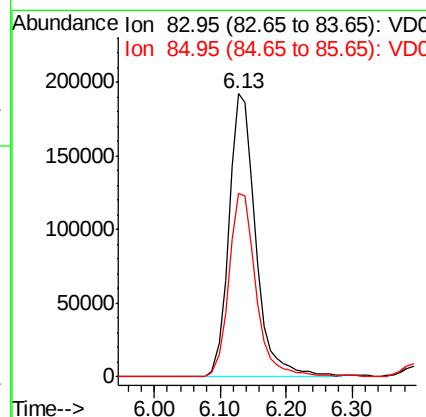
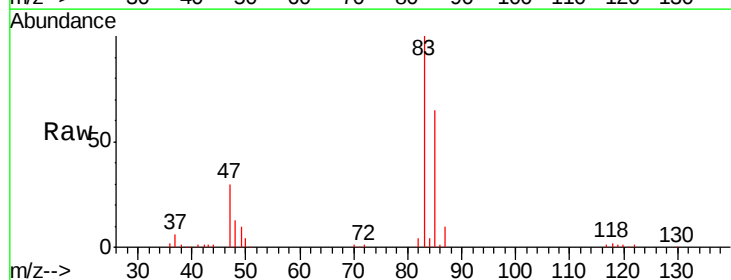
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

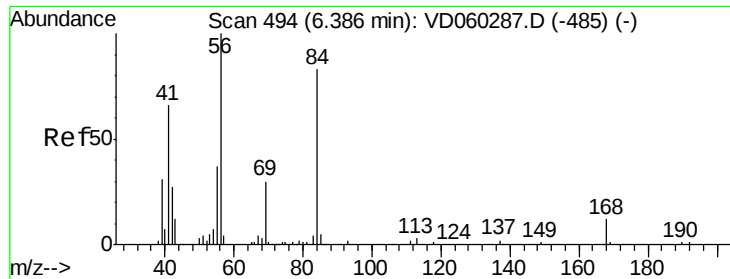
Tgt Ion: 42 Resp: 192653
Ion Ratio Lower Upper
42 100
72 32.8 27.6 41.4
71 32.3 26.5 39.7



#30
Chloroform
Concen: 22.80 ug/l
RT: 6.13 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Tgt Ion: 83 Resp: 546721
Ion Ratio Lower Upper
83 100
85 65.0 52.5 78.7

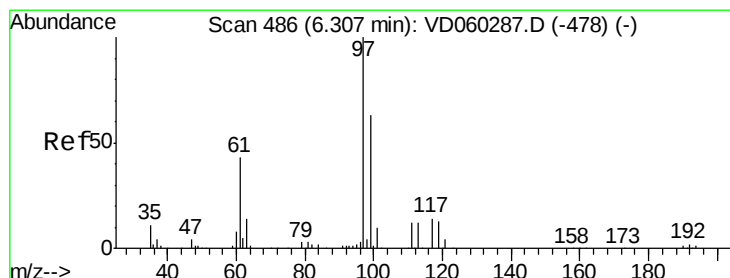
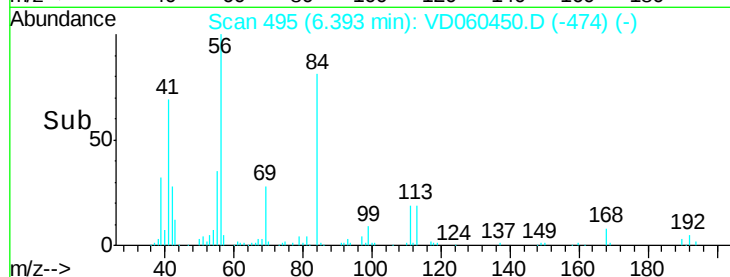
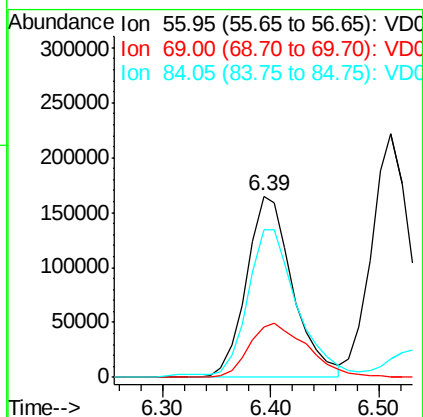
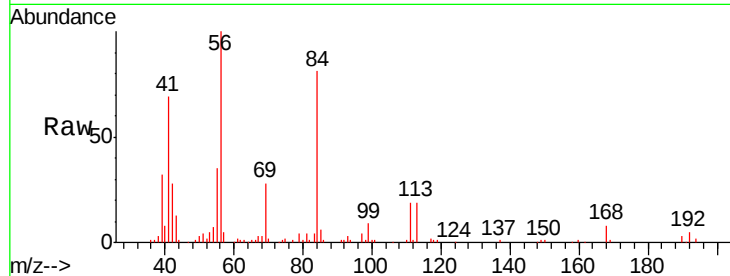




#31
Cyclohexane
Concen: 21.36 ug/l
RT: 6.39 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

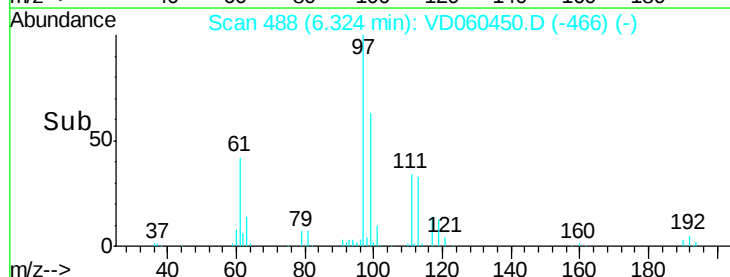
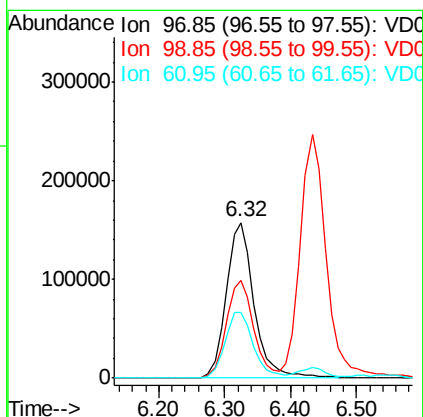
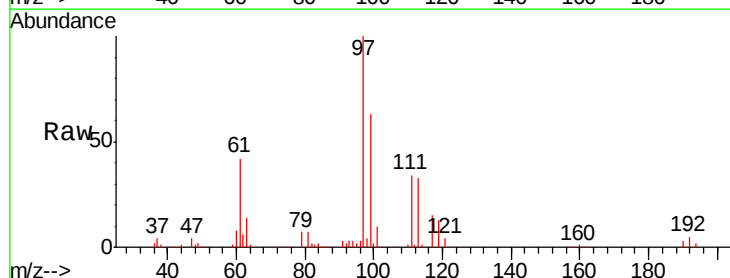
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

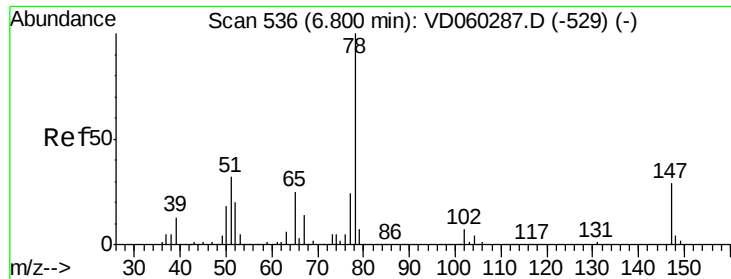
Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.2	33.2
84	81.5	63.0	94.4



#32
1,1,1-Trichloroethane
Concen: 23.02 ug/l
RT: 6.32 min Scan# 488
Delta R.T. 0.02 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.5	77.3
61	41.9	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 23.02 ug/l

RT: 6.82 min Scan# 538

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

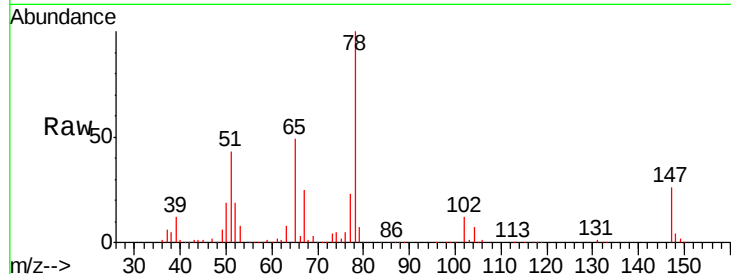
VD1126SBS01

Tgt Ion: 65 Resp: 458570

Ion Ratio Lower Upper

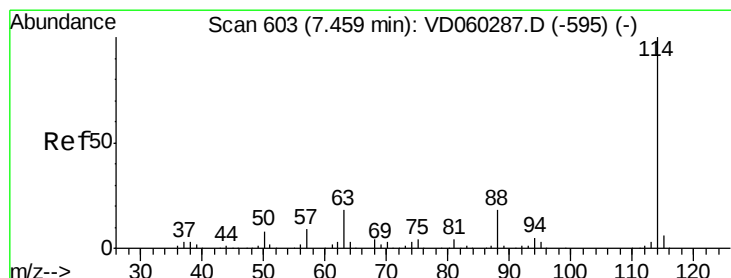
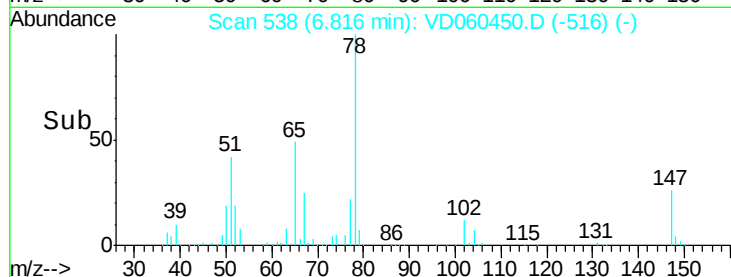
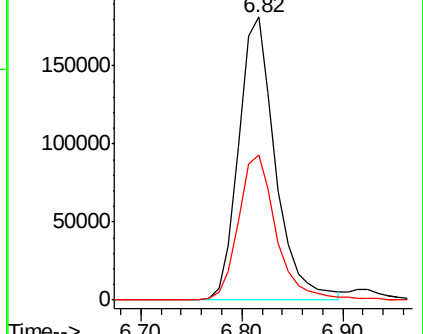
65 100

67 51.1 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

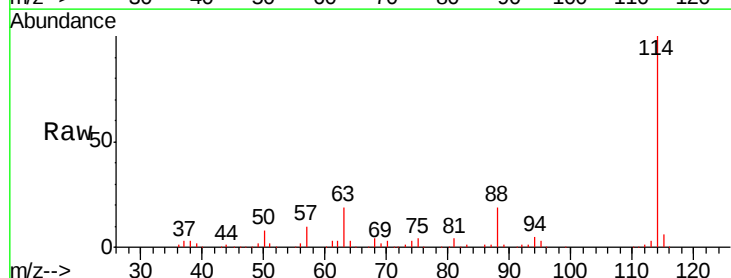
Tgt Ion: 114 Resp: 1849042

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.0

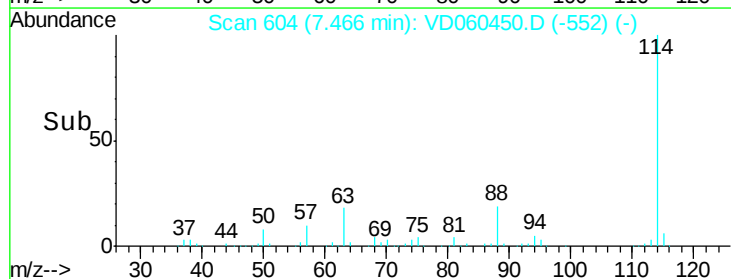
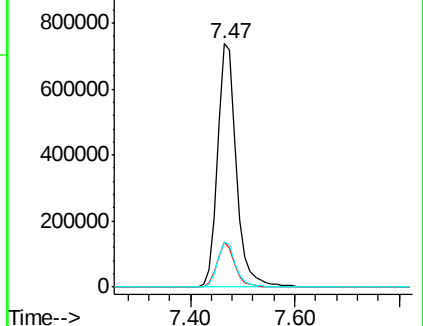
88 18.6 0.0 35.4

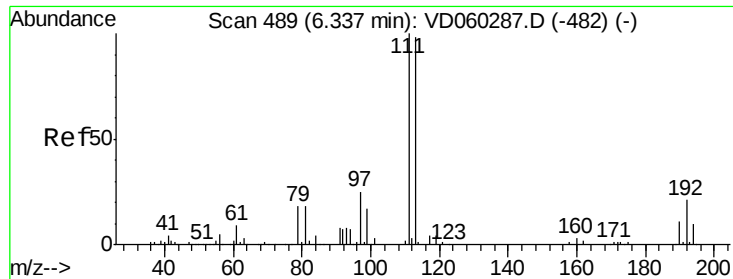


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.35 min Scan# 491

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

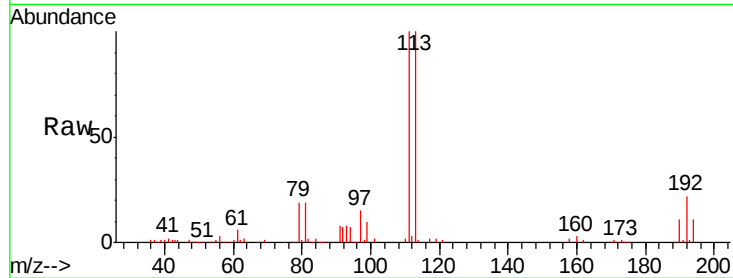
Tgt Ion:113 Resp: 694241

Ion Ratio Lower Upper

113 100

111 99.7 81.6 122.4

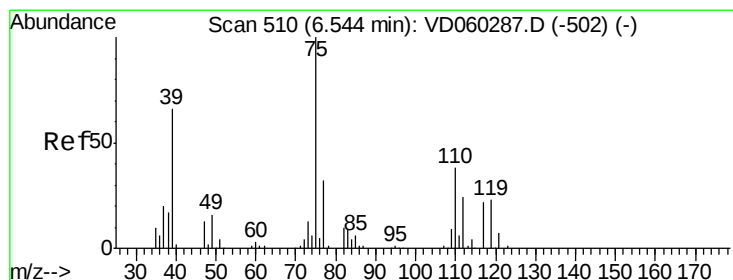
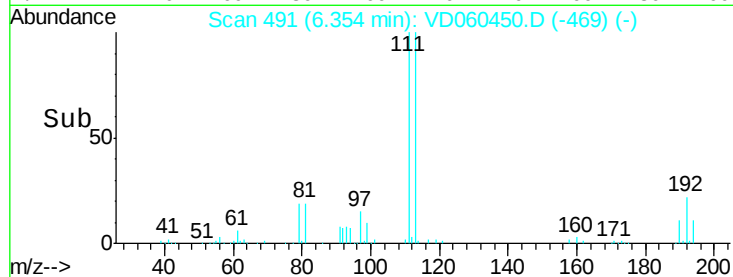
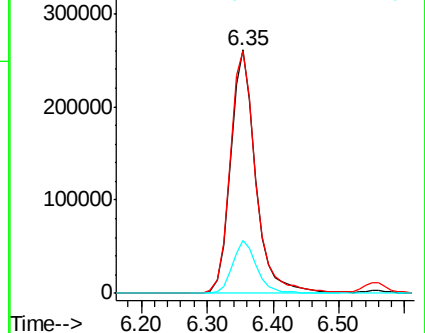
192 21.8 16.5 24.7



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: 22.69 ug/l

RT: 6.55 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

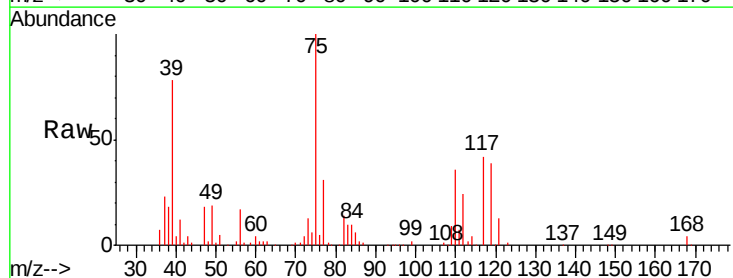
Tgt Ion: 75 Resp: 414532

Ion Ratio Lower Upper

75 100

110 36.4 18.0 54.0

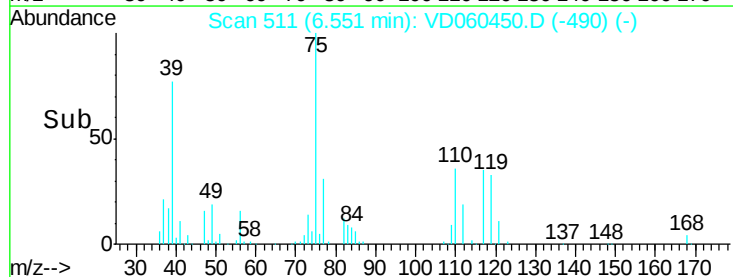
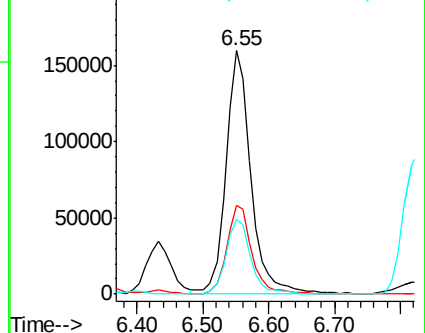
77 30.7 25.6 38.4

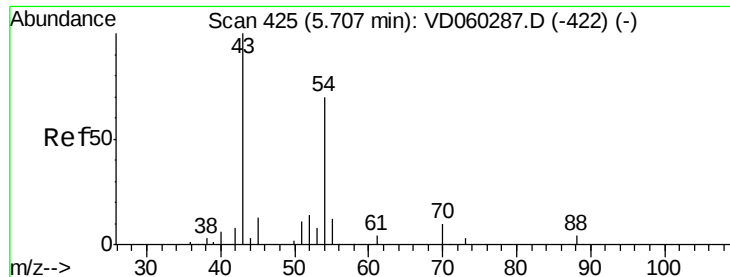


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

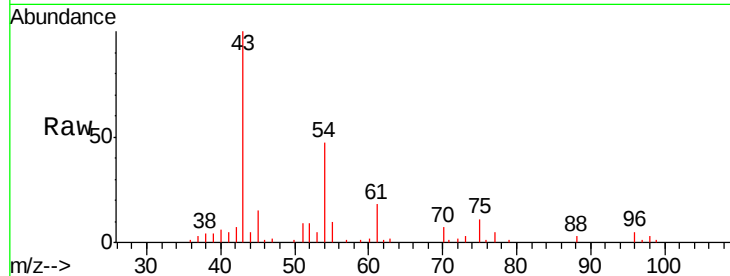




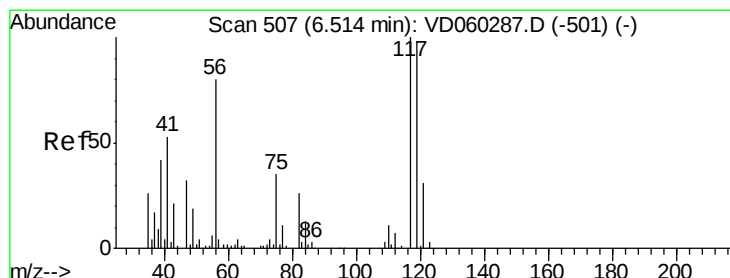
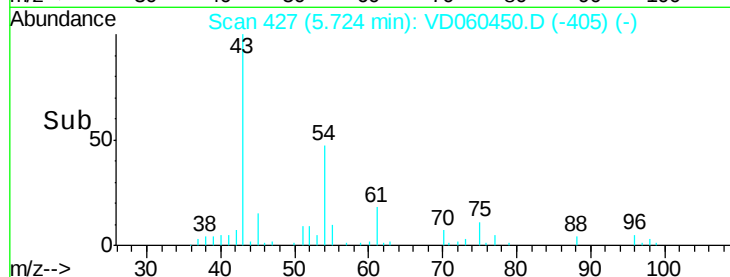
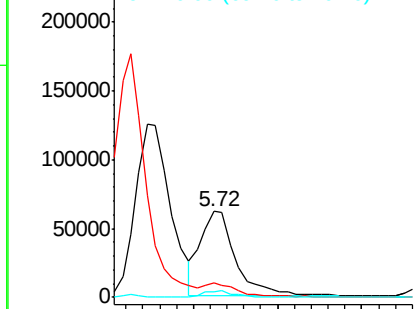
#37
Ethyl Acetate
Concen: 21.13 ug/l
RT: 5.72 min Scan# 427
Delta R.T. 0.02 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tgt Ion: 43 Resp: 177634
Ion Ratio Lower Upper
43 100
61 17.5 11.8 17.6
70 6.7 6.2 9.4

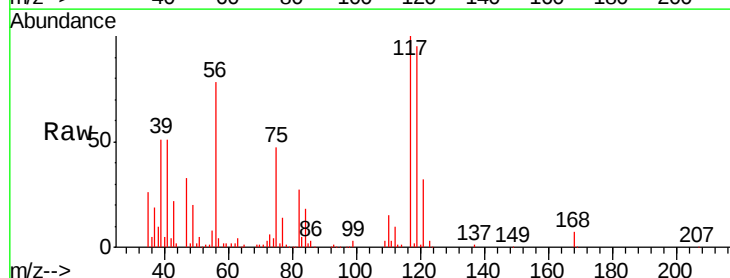


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

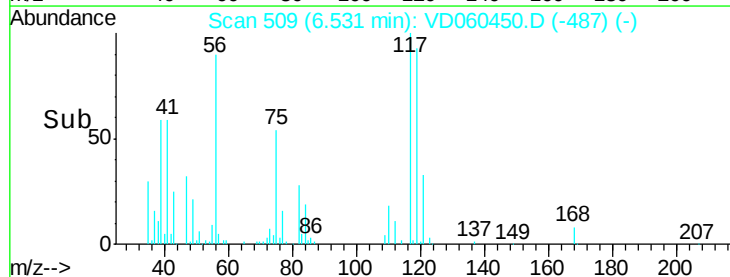
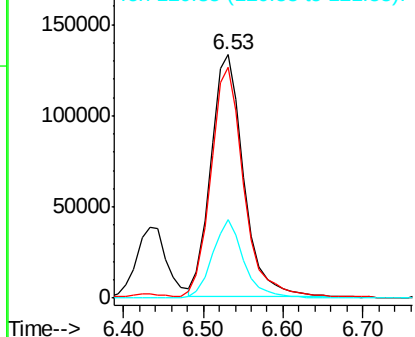


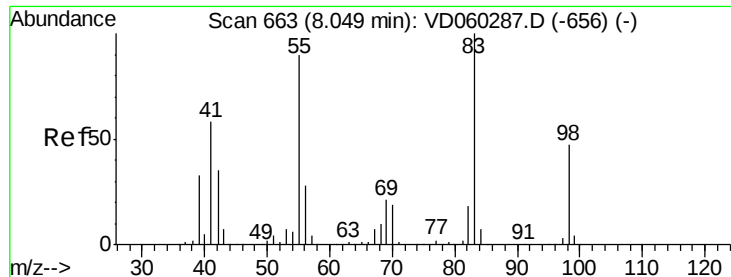
#38
Carbon Tetrachloride
Concen: 22.61 ug/l
RT: 6.53 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Tgt Ion: 117 Resp: 383096
Ion Ratio Lower Upper
117 100
119 94.6 76.6 115.0
121 32.4 24.3 36.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

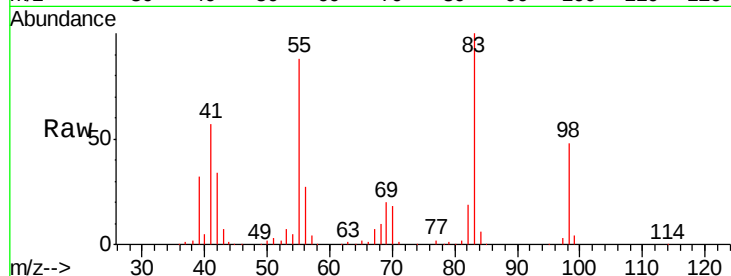




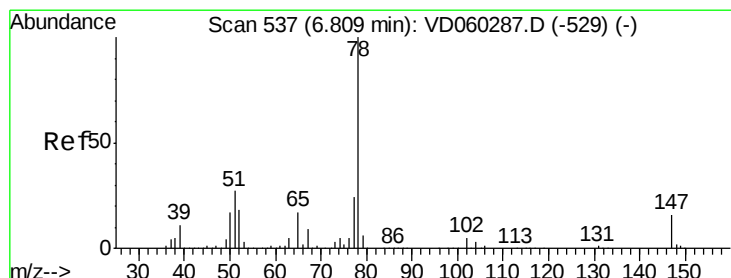
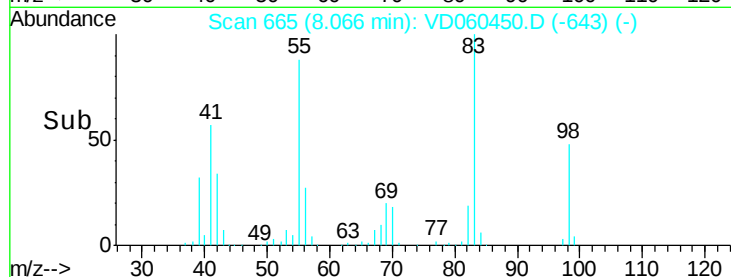
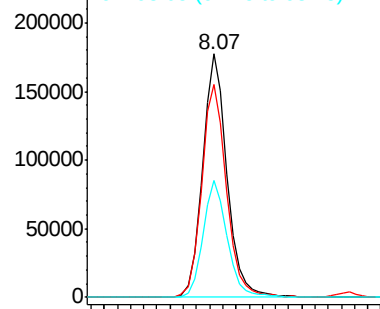
#39
Methylcyclohexane
Concen: 21.98 ug/l
RT: 8.07 min Scan# 665
Delta R.T. 0.02 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tgt Ion: 83 Resp: 461776
Ion Ratio Lower Upper
83 100
55 87.7 71.2 106.8
98 48.1 38.4 57.6

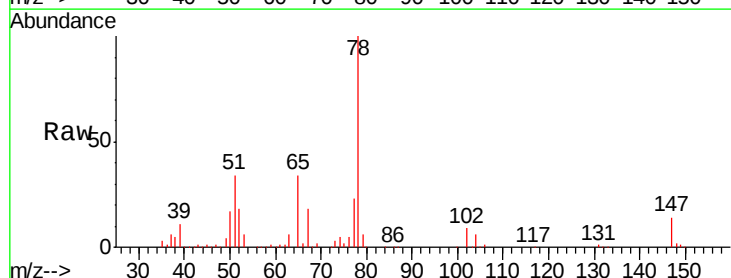


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

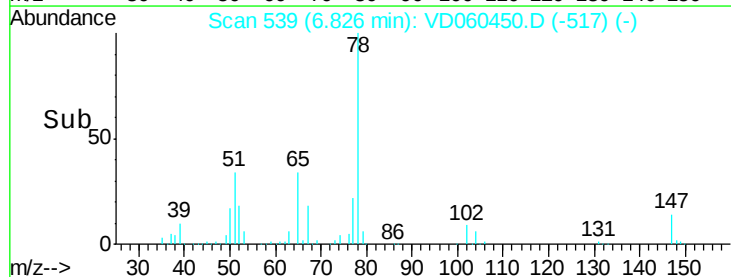
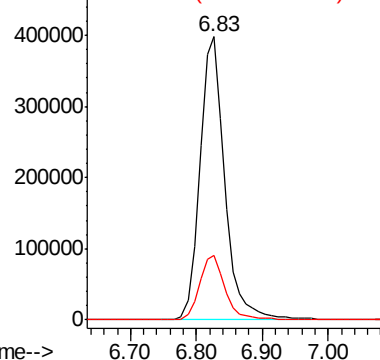


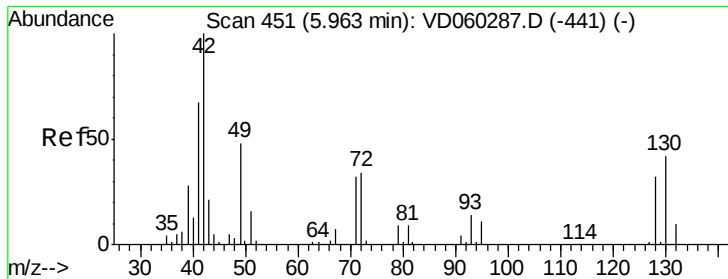
#40
Benzene
Concen: 22.54 ug/l
RT: 6.83 min Scan# 539
Delta R.T. 0.02 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Tgt Ion: 78 Resp: 1051211
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2



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





#41

Methacrylonitrile

Concen: 20.94 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tgt Ion: 41 Resp: 201420

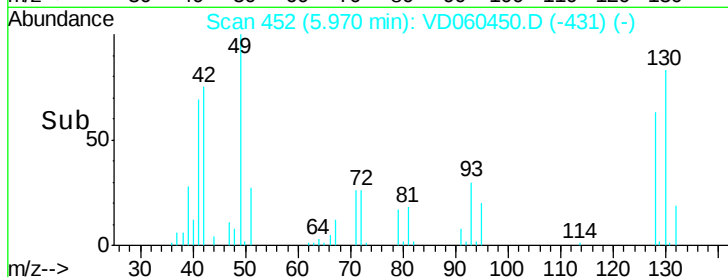
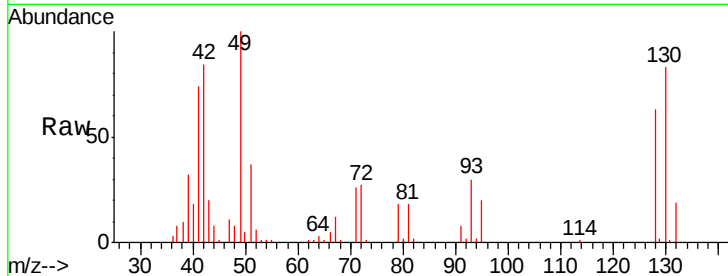
Ion Ratio Lower Upper

41 100

39 43.0 36.2 54.2

67 15.7 11.9 17.9

52 8.3 5.2 7.8#

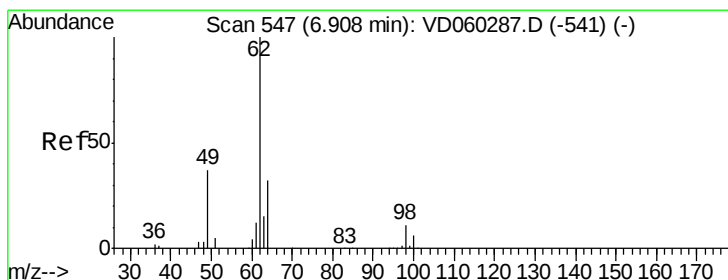
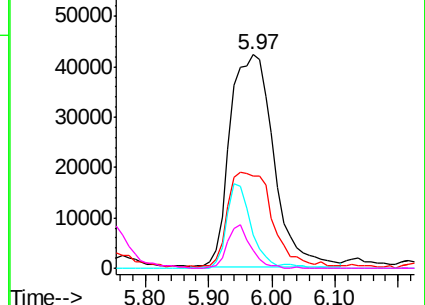


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.78 ug/l

RT: 6.92 min Scan# 549

Delta R.T. 0.02 min

Lab File: VD060450.D

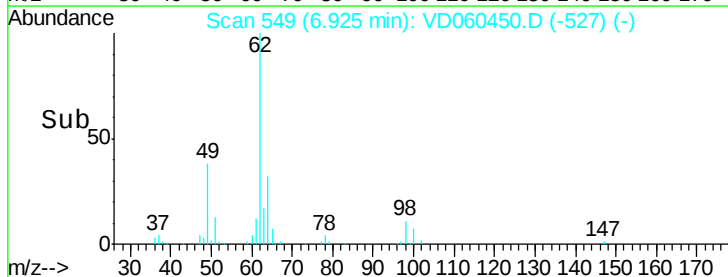
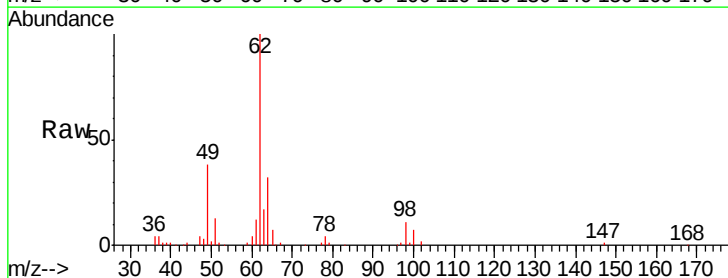
Acq: 26 Nov 2018 12:16

Tgt Ion: 62 Resp: 265818

Ion Ratio Lower Upper

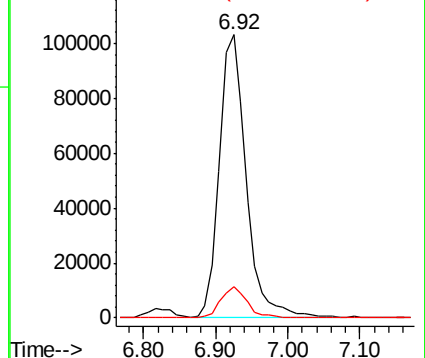
62 100

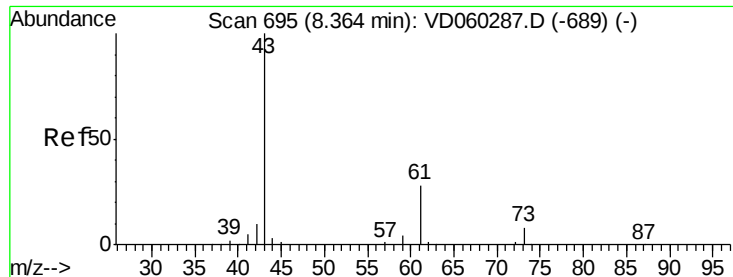
98 10.9 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

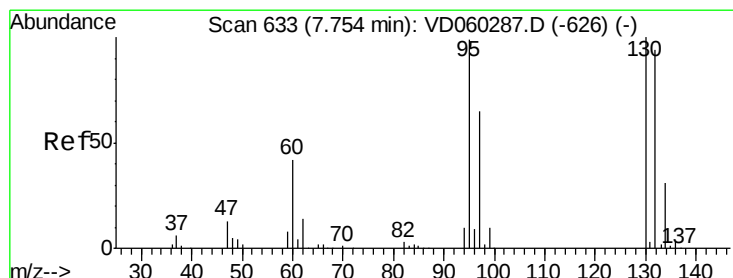
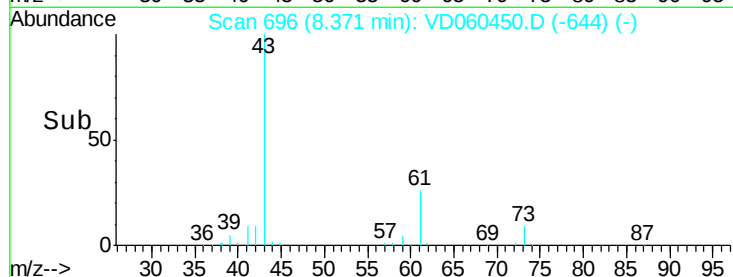
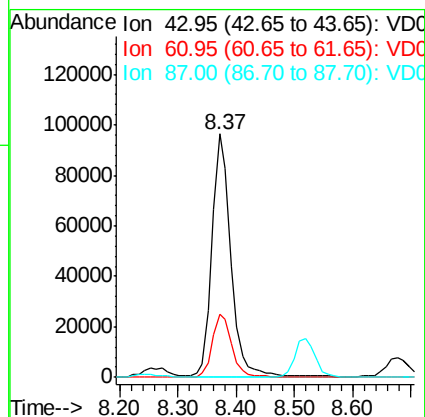
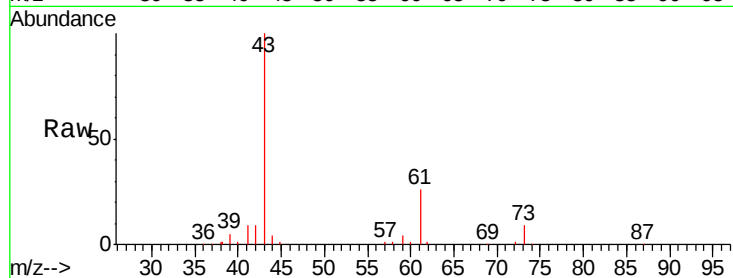




#43
Isopropyl Acetate
Concen: 20.87 ug/l
RT: 8.37 min Scan# 696
Delta R.T. 0.01 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

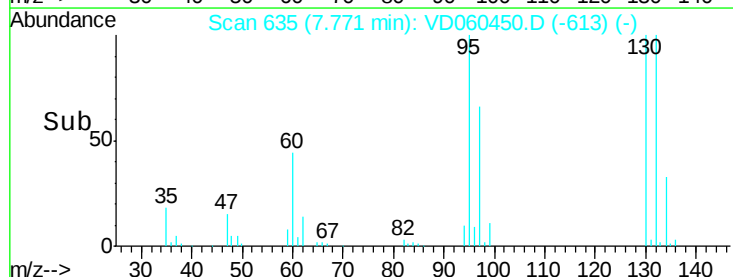
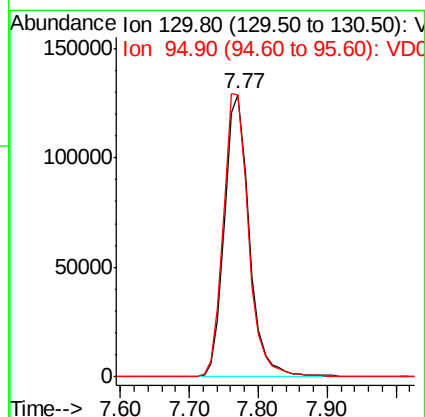
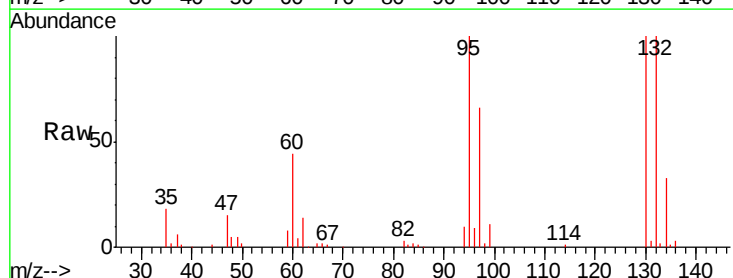
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

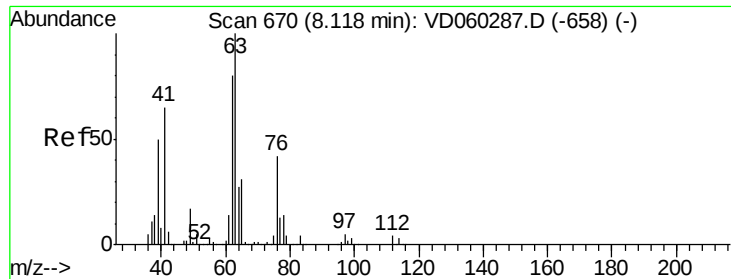
Tgt Ion: 43 Resp: 220371
Ion Ratio Lower Upper
43 100
61 26.0 22.3 33.5
87 0.4 0.2 0.2#



#44
Trichloroethene
Concen: 22.78 ug/l
RT: 7.77 min Scan# 635
Delta R.T. 0.02 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Tgt Ion: 130 Resp: 321938
Ion Ratio Lower Upper
130 100
95 99.9 0.0 200.0





#45

1,2-Dichloropropane

Concen: 21.55 ug/l

RT: 8.14 min Scan# 672

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

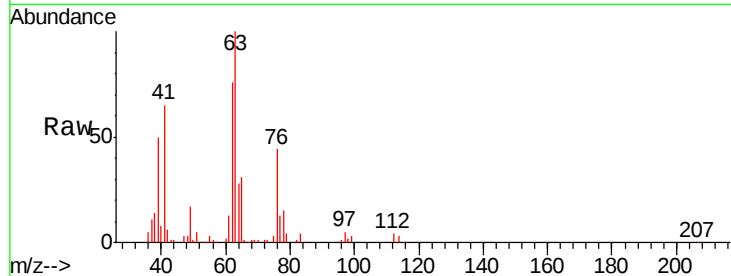
VD1126SBS01

Tgt Ion: 63 Resp: 253422

Ion Ratio Lower Upper

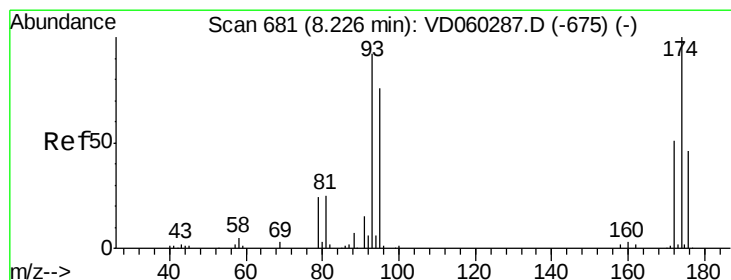
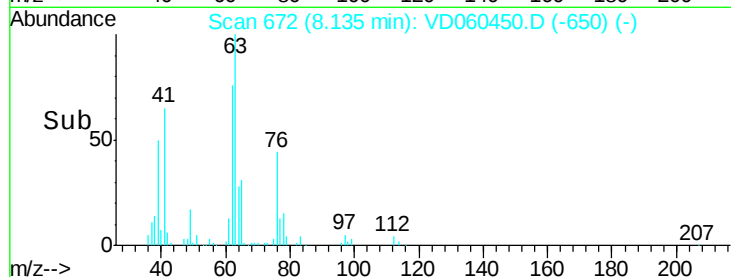
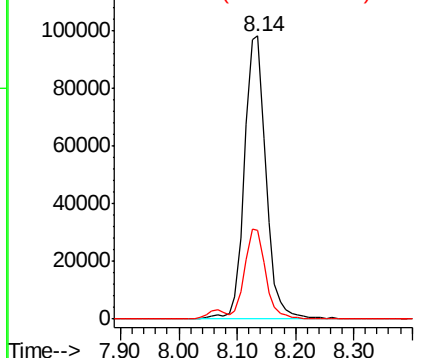
63 100

65 31.4 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.37 ug/l

RT: 8.24 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

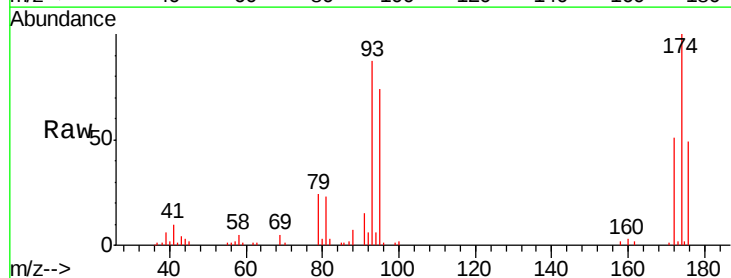
Tgt Ion: 93 Resp: 147215

Ion Ratio Lower Upper

93 100

95 85.4 66.4 99.6

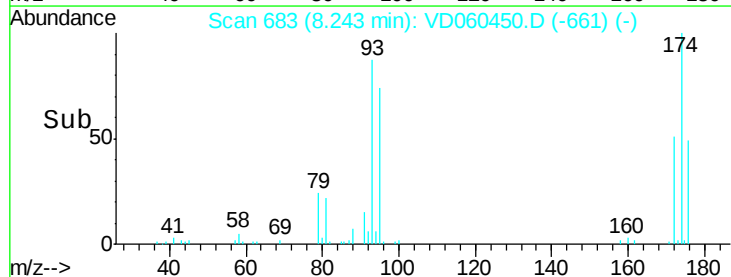
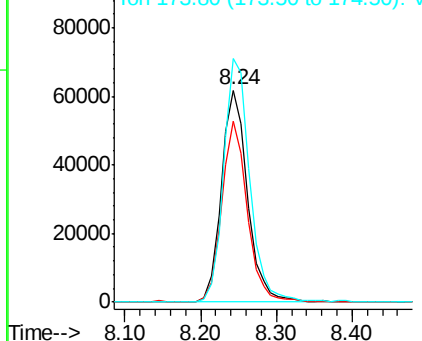
174 114.7 87.8 131.8

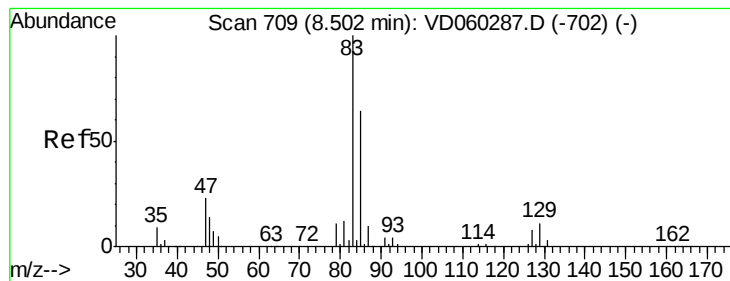


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.70 ug/l

RT: 8.52 min Scan# 711

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

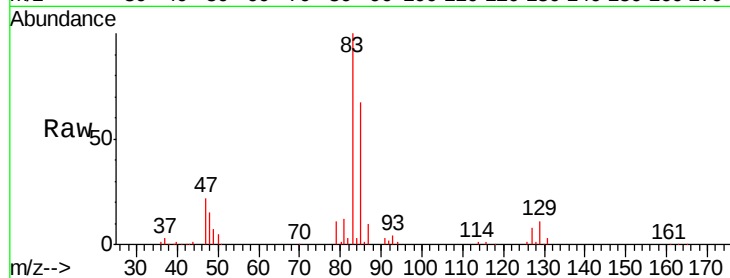
Tgt Ion: 83 Resp: 352144

Ion Ratio Lower Upper

83 100

85 66.9 51.0 76.6

127 8.4 6.2 9.4

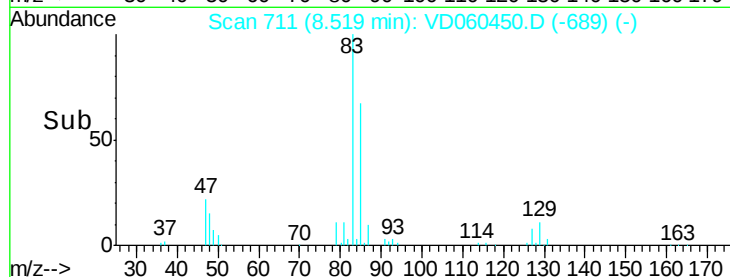


Abundance Ion 82.85 (82.55 to 83.55): VDC

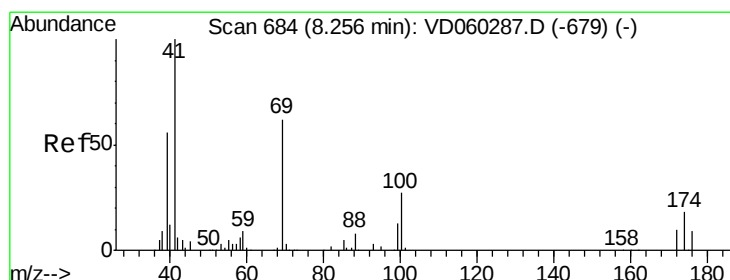
Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC

Time-->



Time-->



#48

Methyl methacrylate

Concen: 20.41 ug/l

RT: 8.27 min Scan# 686

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

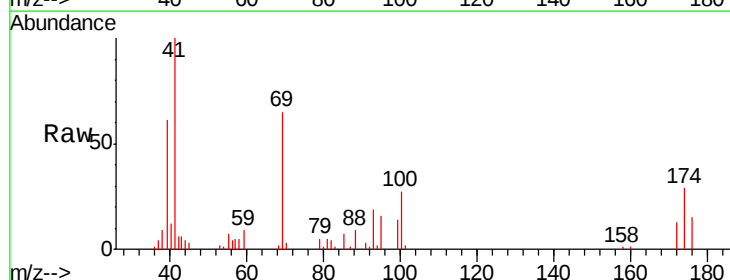
Tgt Ion: 41 Resp: 130887

Ion Ratio Lower Upper

41 100

69 64.9 47.0 70.4

39 60.9 46.2 69.4

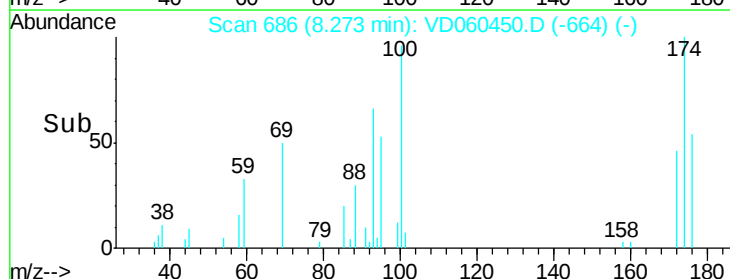


Abundance Ion 40.95 (40.65 to 41.65): VDC

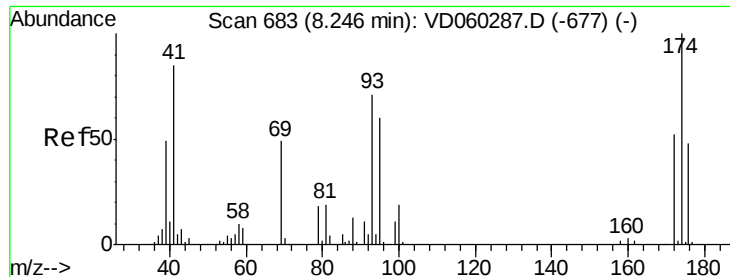
Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

Time-->



Time-->



#49

1,4-Dioxane

Concen: 409.07 ug/l

RT: 8.25 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

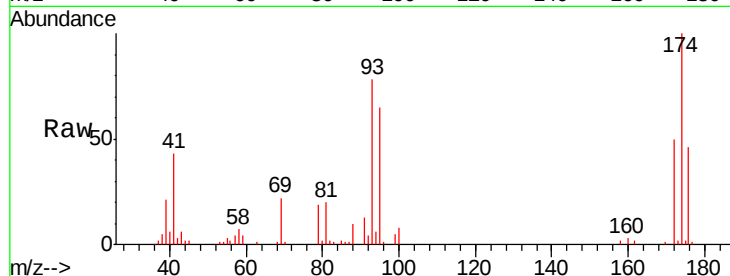
Tgt Ion: 88 Resp: 22701

Ion Ratio Lower Upper

88 100

43 55.5 39.7 59.5

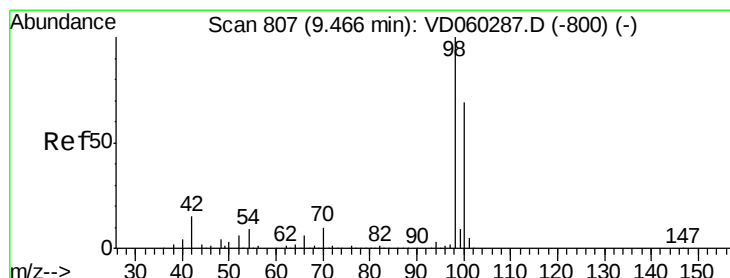
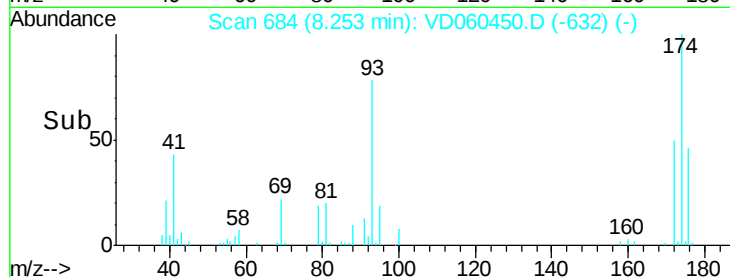
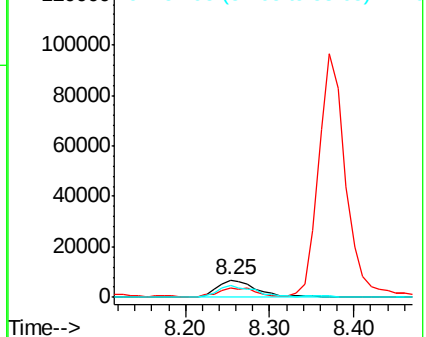
58 65.5 60.2 90.2



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: 409.07 ug/l

RT: 9.48 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD060450.D

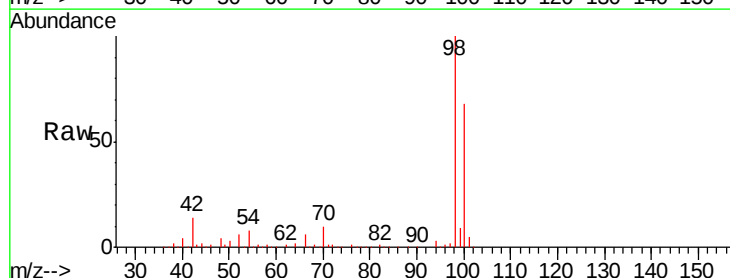
Acq: 26 Nov 2018 12:16

Tgt Ion: 98 Resp: 1931806

Ion Ratio Lower Upper

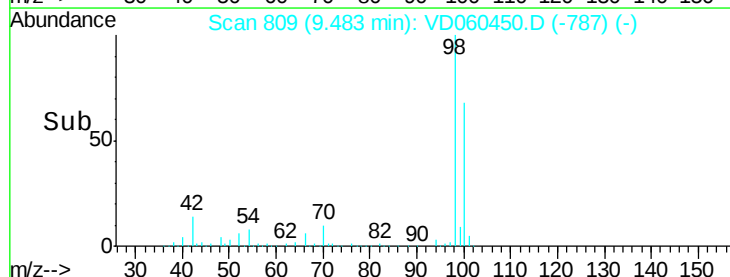
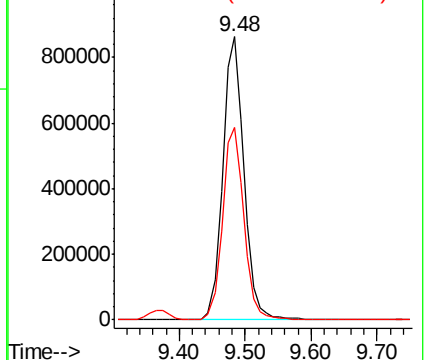
98 100

100 68.0 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: 102.63 ug/l

RT: 9.37 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

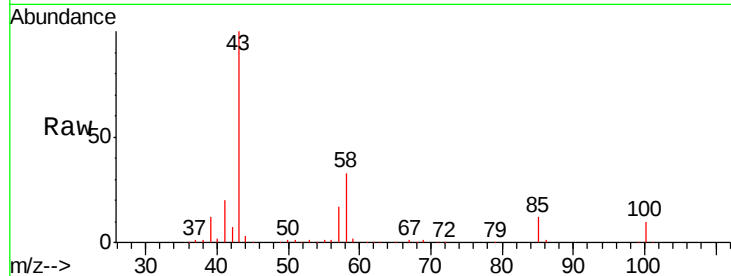
VD1126SBS01

Tgt Ion: 43 Resp: 705324

Ion Ratio Lower Upper

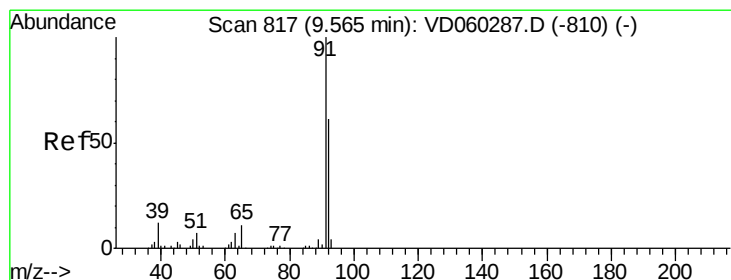
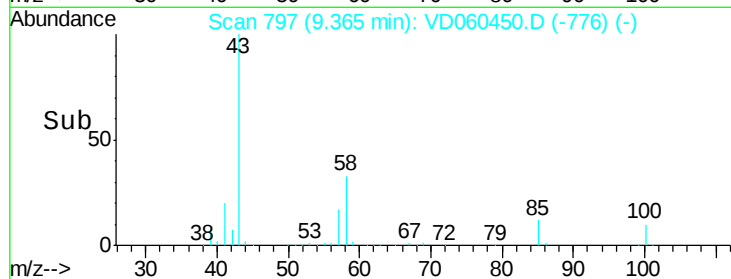
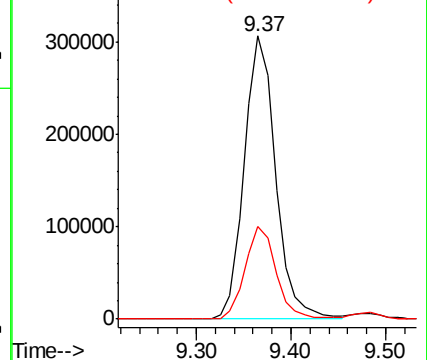
43 100

58 33.0 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.79 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060450.D

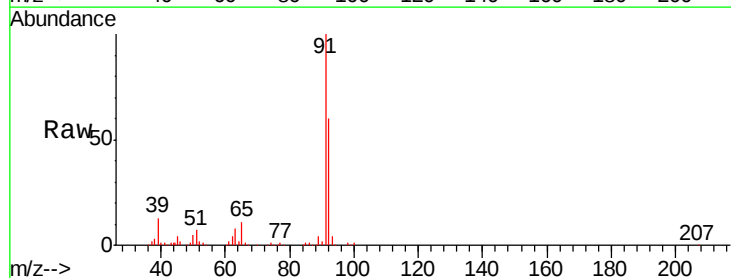
Acq: 26 Nov 2018 12:16

Tgt Ion: 92 Resp: 678822

Ion Ratio Lower Upper

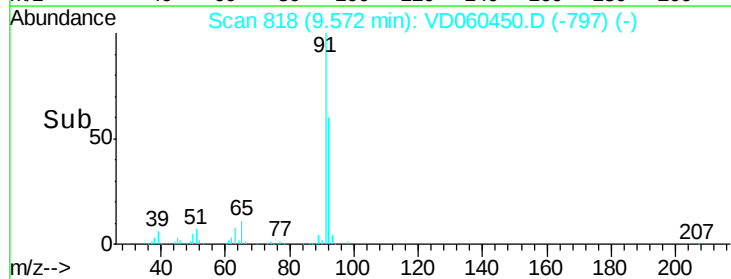
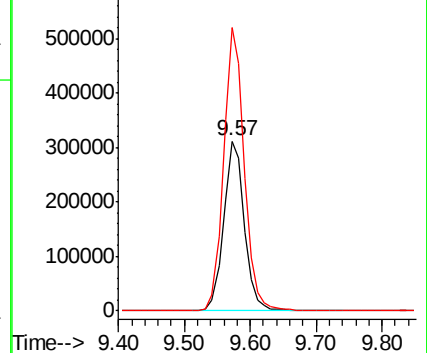
92 100

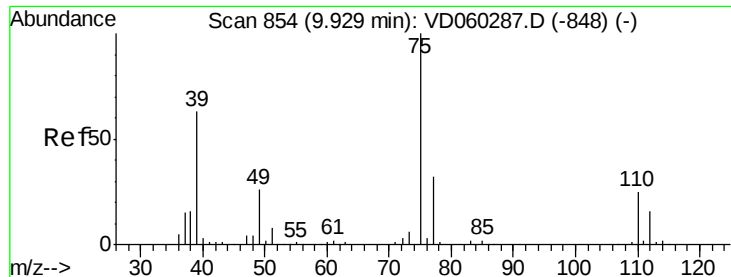
91 166.9 131.9 197.9



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: 21.33 ug/l

RT: 9.95 min Scan# 856

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

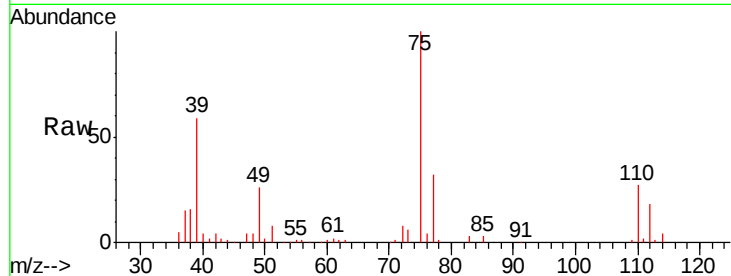
VD1126SBS01

Tgt Ion: 75 Resp: 292582

Ion Ratio Lower Upper

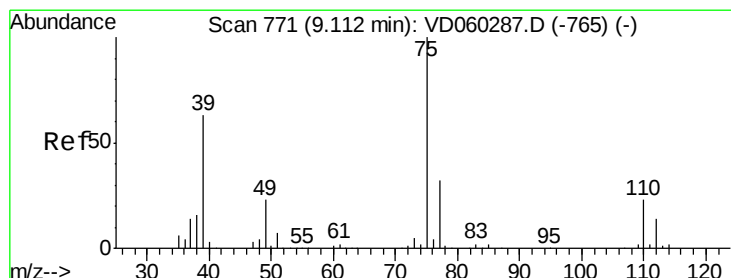
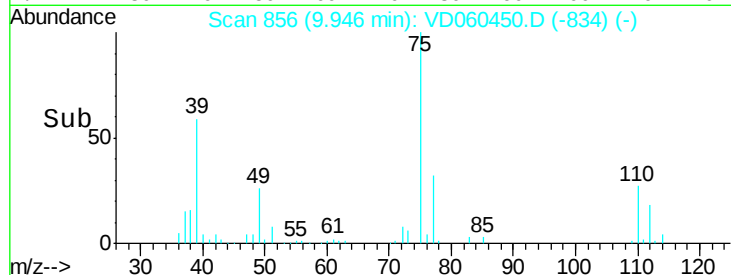
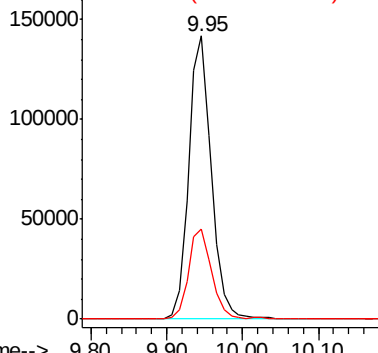
75 100

77 32.0 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.74 ug/l

RT: 9.13 min Scan# 773

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

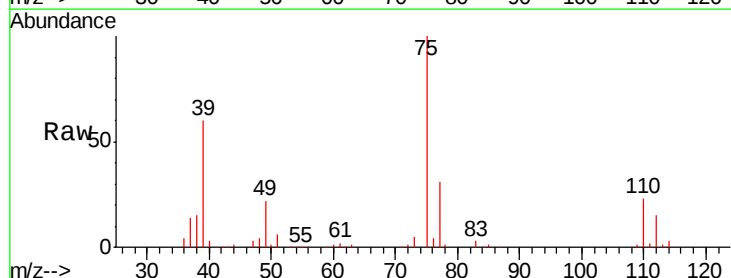
Tgt Ion: 75 Resp: 382332

Ion Ratio Lower Upper

75 100

77 31.4 26.3 39.5

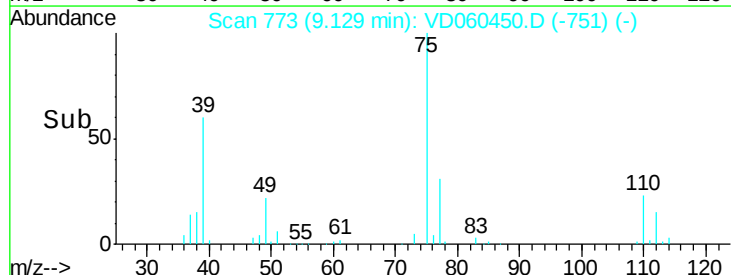
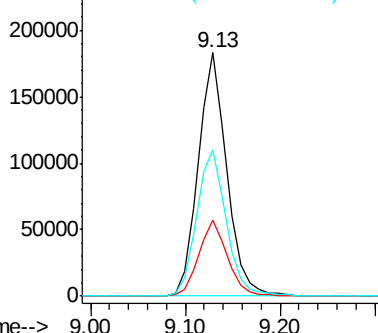
39 60.3 50.8 76.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

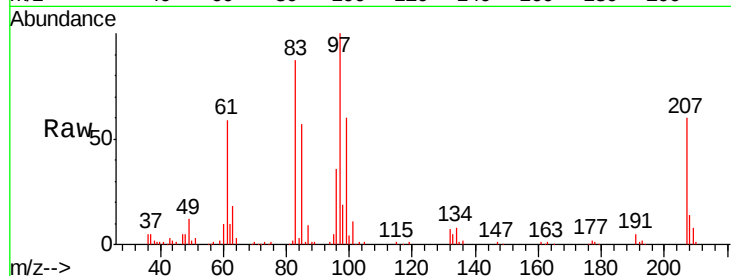




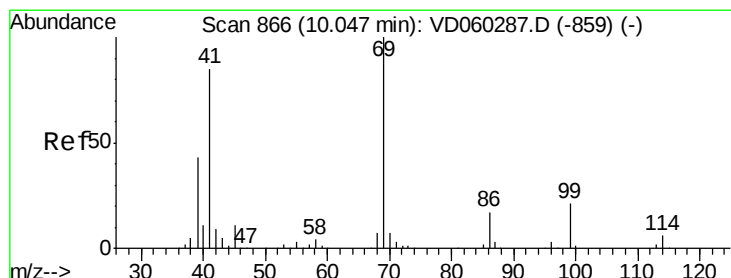
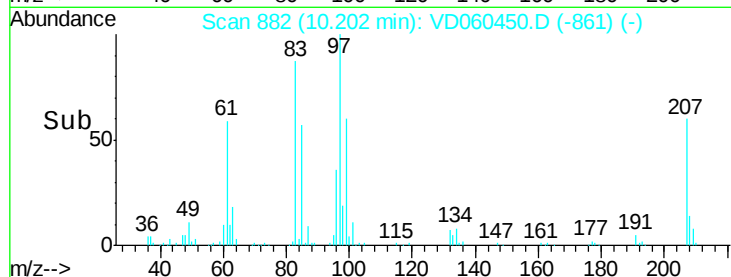
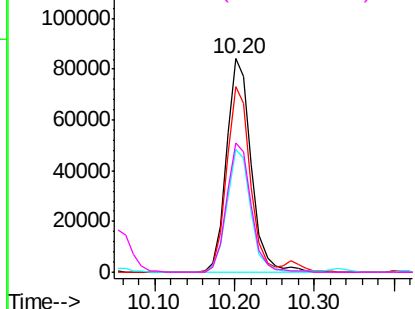
#55
 1,1,2-Trichloroethane
 Concen: 21.15 ug/l
 RT: 10.20 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tgt Ion: 97 Resp: 182606
 Ion Ratio Lower Upper
 97 100
 83 86.7 68.4 102.6
 85 57.5 46.8 70.2
 99 60.5 49.5 74.3

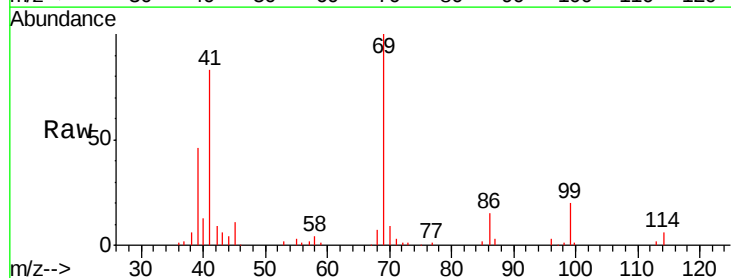


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

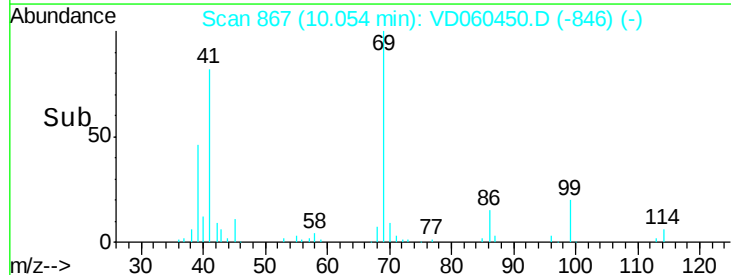
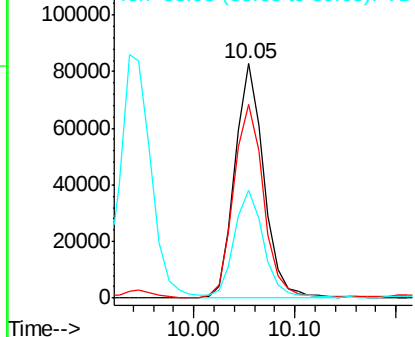


#56
 Ethyl methacrylate
 Concen: 20.76 ug/l
 RT: 10.05 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

Tgt Ion: 69 Resp: 164756
 Ion Ratio Lower Upper
 69 100
 41 82.5 69.0 103.4
 39 46.1 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: 21.63 ug/l

RT: 10.41 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

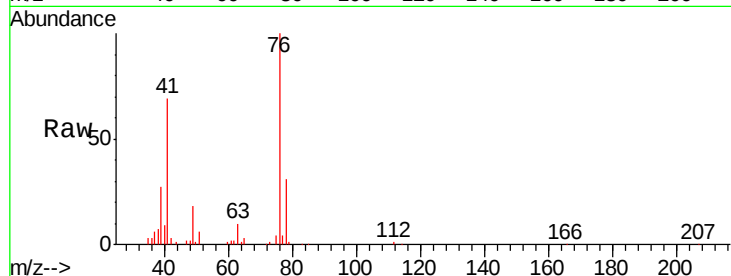
VD1126SBS01

Tgt Ion: 76 Resp: 284608

Ion Ratio Lower Upper

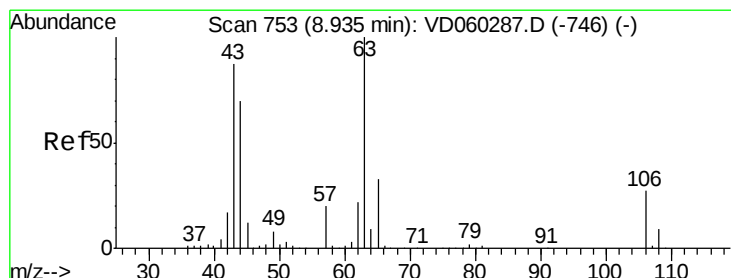
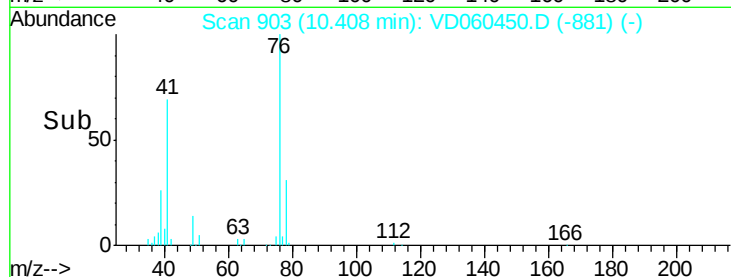
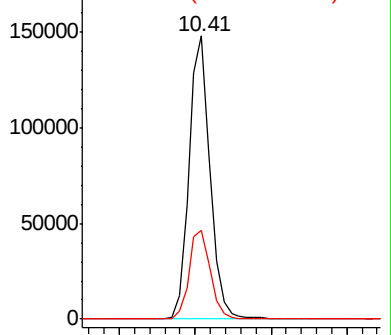
76 100

78 31.4 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 106.26 ug/l

RT: 8.95 min Scan# 755

Delta R.T. 0.02 min

Lab File: VD060450.D

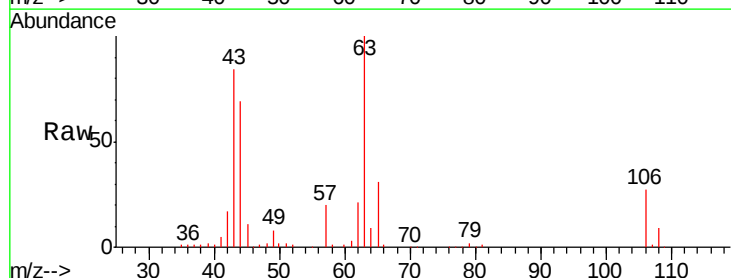
Acq: 26 Nov 2018 12:16

Tgt Ion: 63 Resp: 509997

Ion Ratio Lower Upper

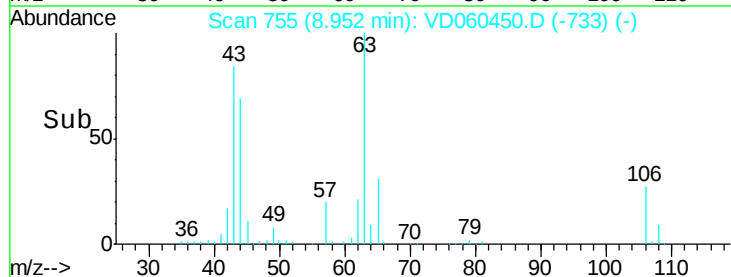
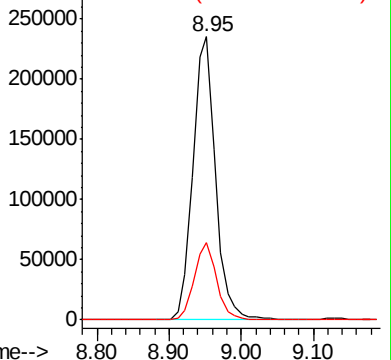
63 100

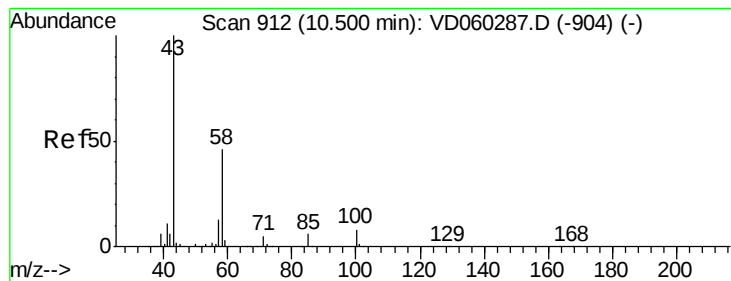
106 27.4 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 111.31 ug/l

RT: 10.51 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

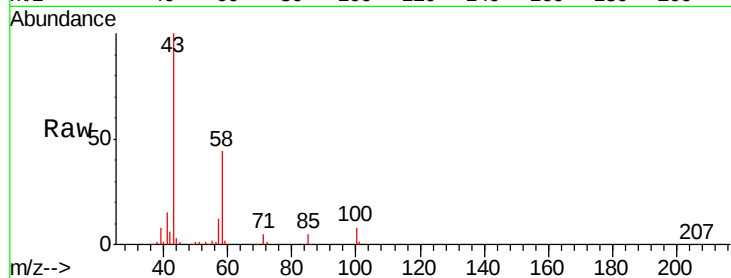
VD1126SBS01

Tgt Ion: 43 Resp: 545233

Ion Ratio Lower Upper

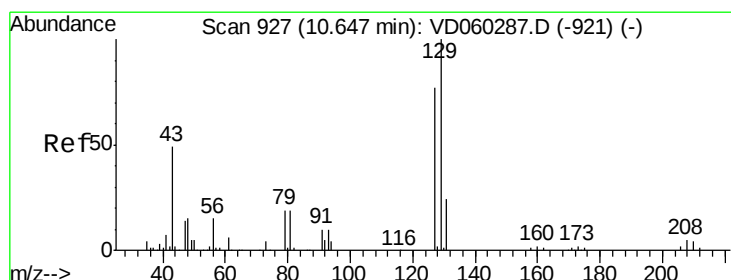
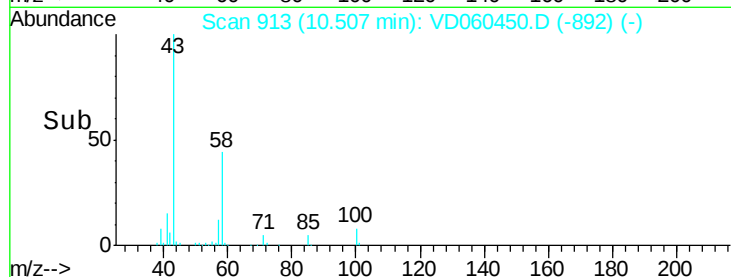
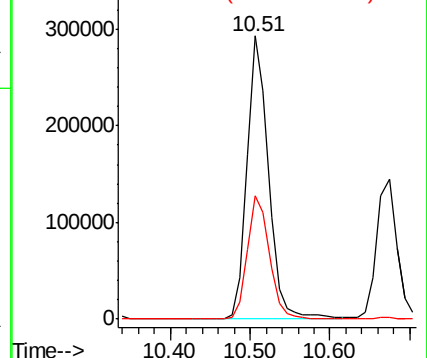
43 100

58 43.6 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 21.83 ug/l

RT: 10.66 min Scan# 929

Delta R.T. 0.02 min

Lab File: VD060450.D

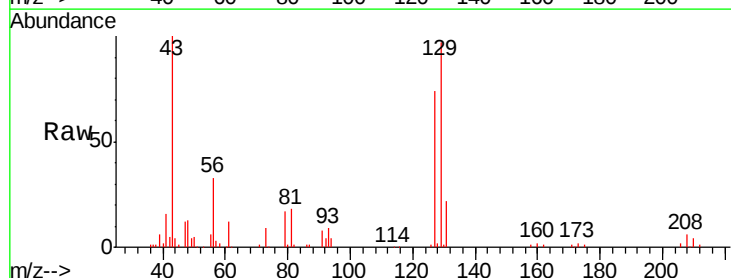
Acq: 26 Nov 2018 12:16

Tgt Ion: 129 Resp: 229097

Ion Ratio Lower Upper

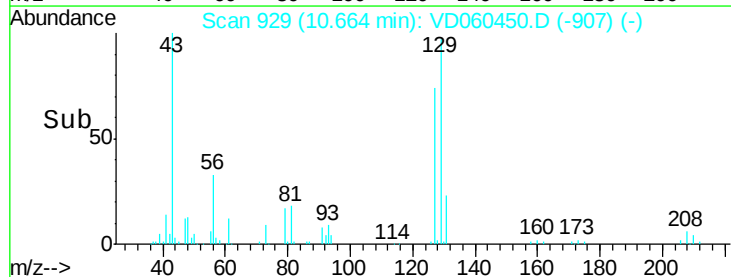
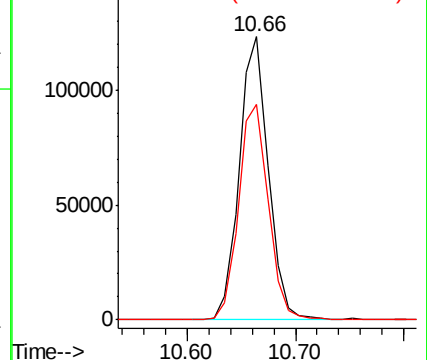
129 100

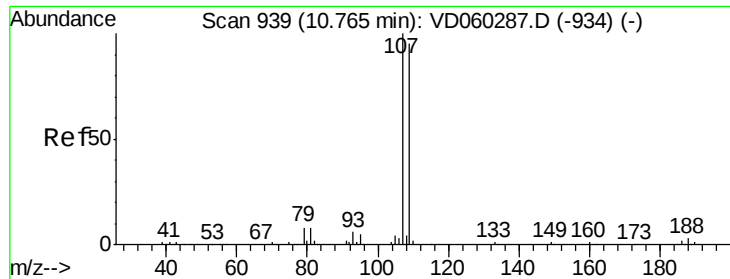
127 76.3 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

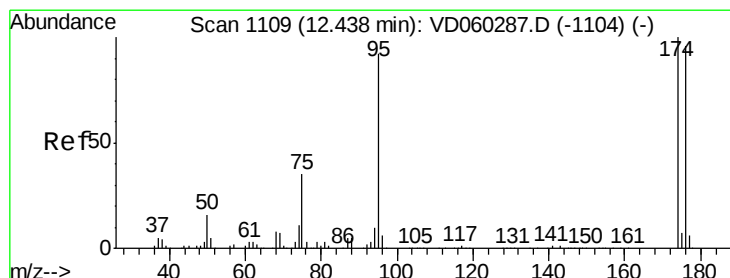
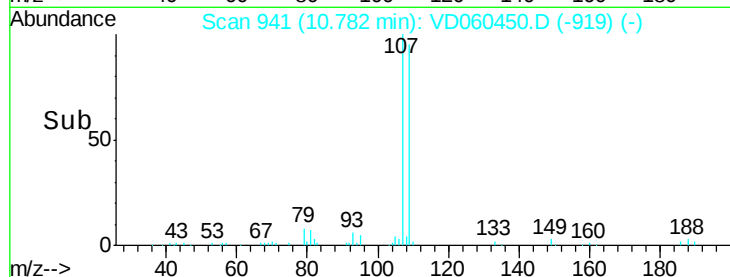
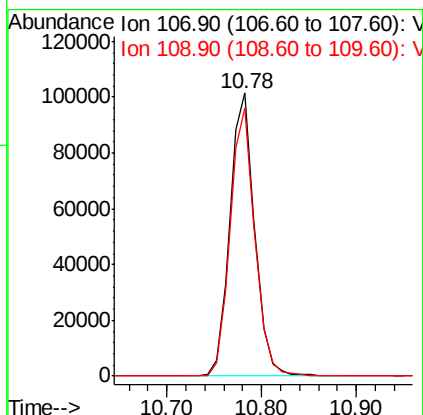
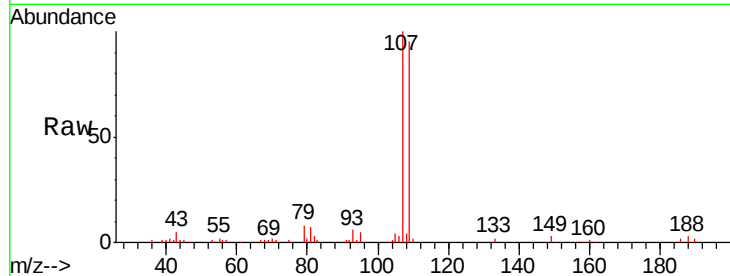




#61
 1,2-Dibromoethane
 Concen: 21.15 ug/l
 RT: 10.78 min Scan# 941
 Delta R.T. 0.02 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

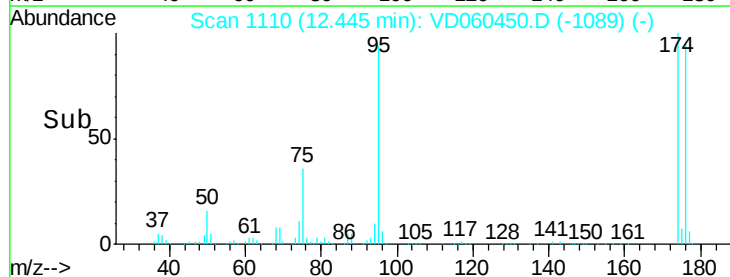
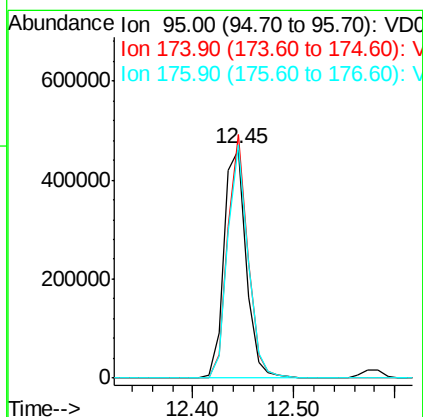
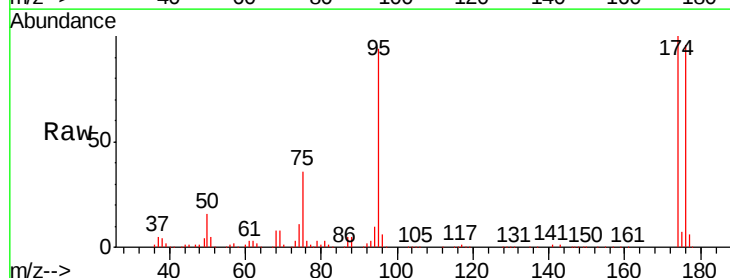
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

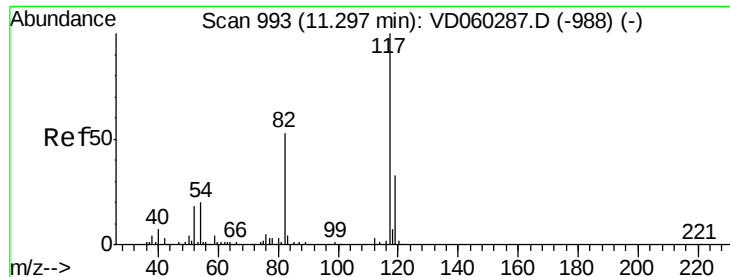
Tgt Ion: 107 Resp: 182992
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 21.15 ug/l
 RT: 12.45 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

Tgt Ion: 95 Resp: 709161
 Ion Ratio Lower Upper
 95 100
 174 106.6 0.0 160.8
 176 102.4 0.0 154.6

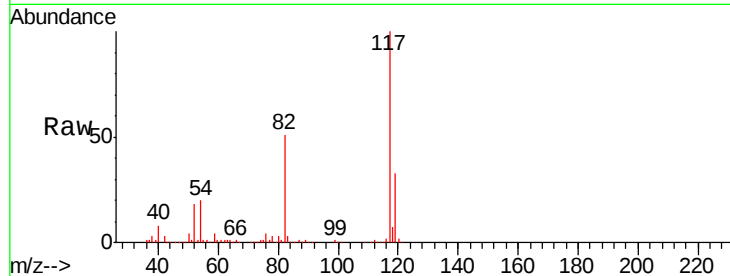




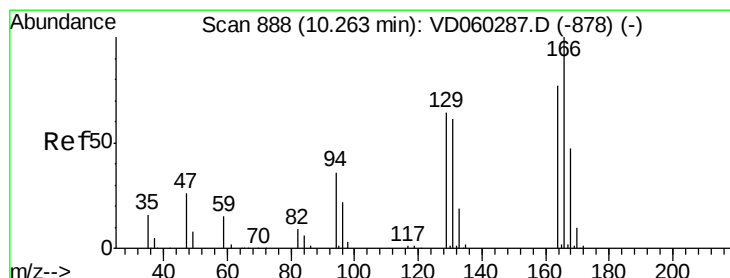
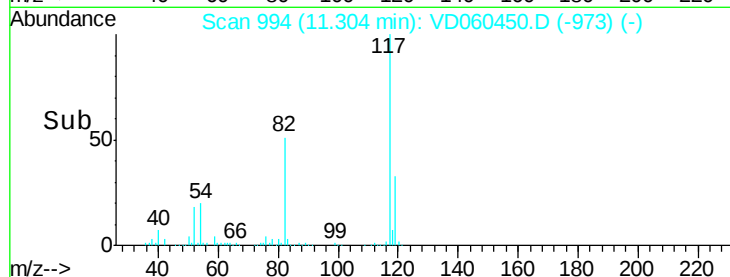
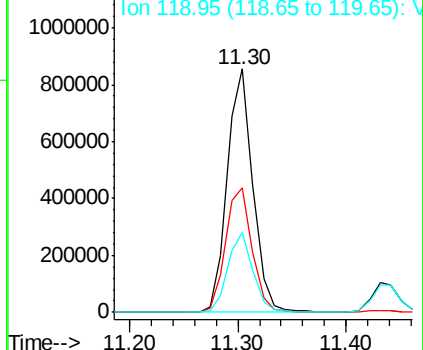
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tgt Ion:117 Resp: 1410502
Ion Ratio Lower Upper
117 100
82 51.4 43.7 65.5
119 32.9 26.1 39.1

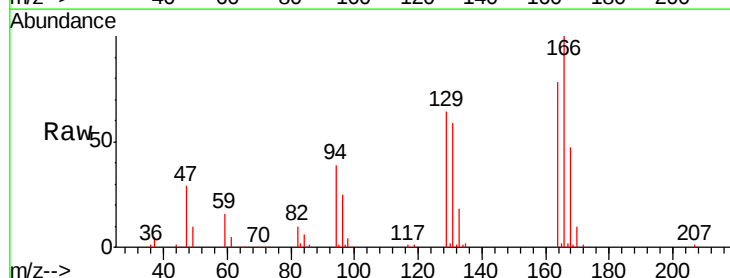


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

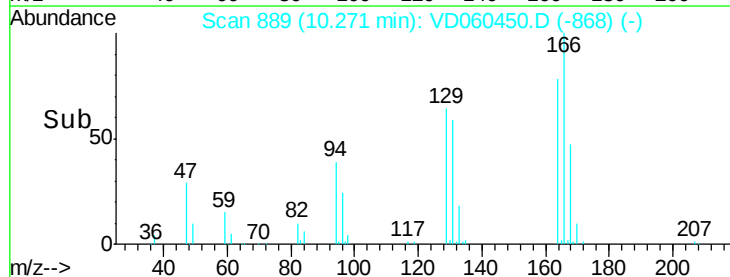
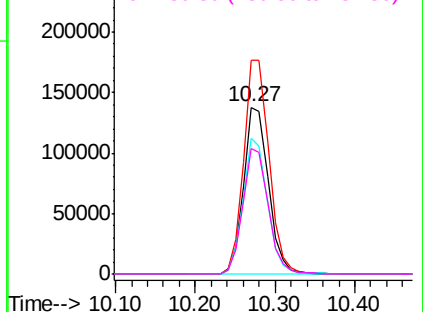


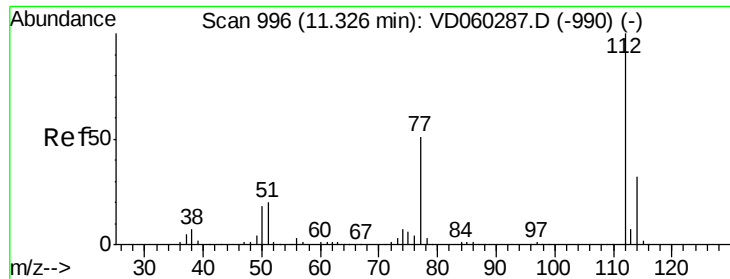
#64
Tetrachloroethene
Concen: 23.51 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Tgt Ion:164 Resp: 296036
Ion Ratio Lower Upper
164 100
166 127.9 103.7 155.5
129 81.3 65.6 98.4
131 75.2 64.4 96.6



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





#65

Chlorobenzene

Concen: 22.96 ug/l

RT: 11.33 min Scan# 997

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

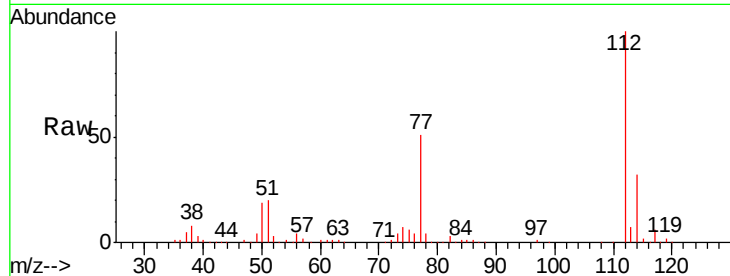
VD1126SBS01

Tgt Ion:112 Resp: 701816

Ion Ratio Lower Upper

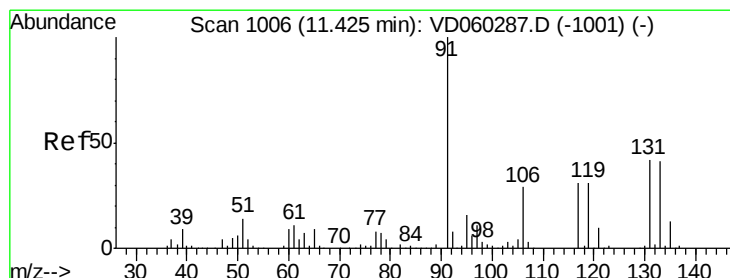
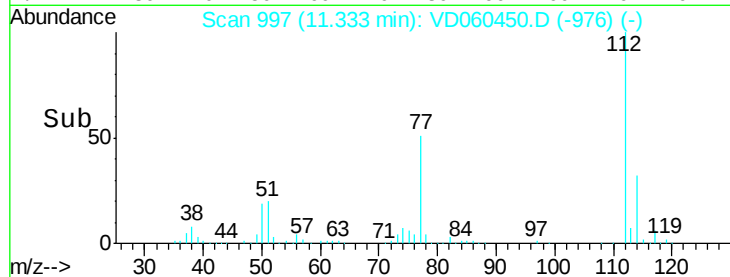
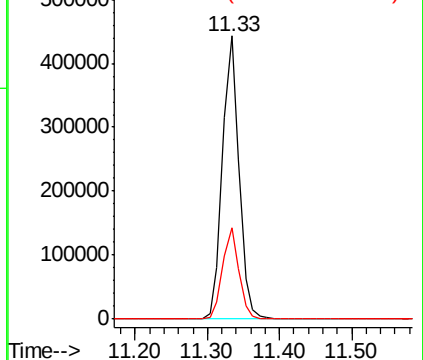
112 100

114 32.3 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: 24.30 ug/l

RT: 11.43 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

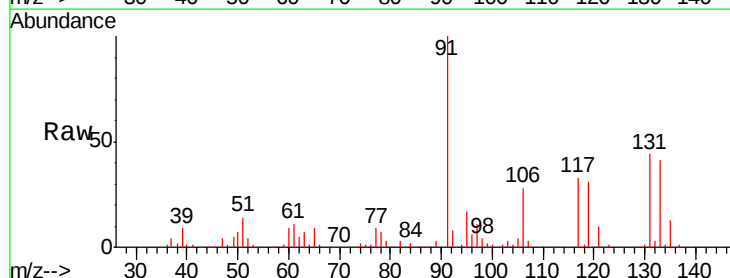
Tgt Ion:131 Resp: 243013

Ion Ratio Lower Upper

131 100

133 94.6 50.0 150.0

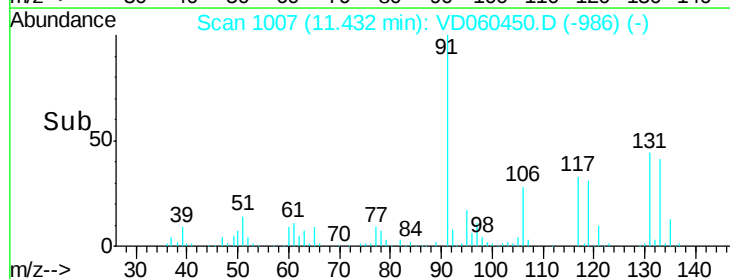
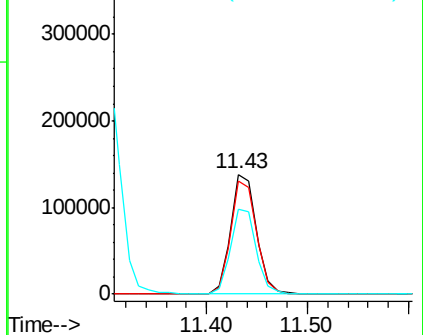
119 70.8 37.0 111.1



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

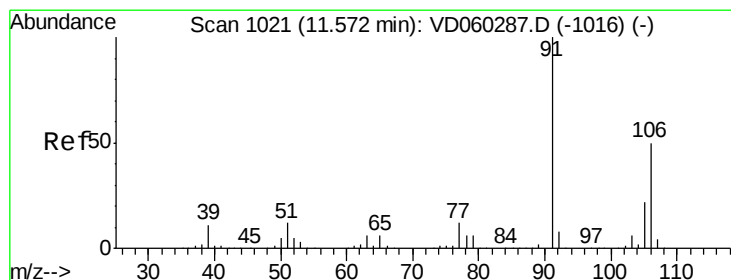
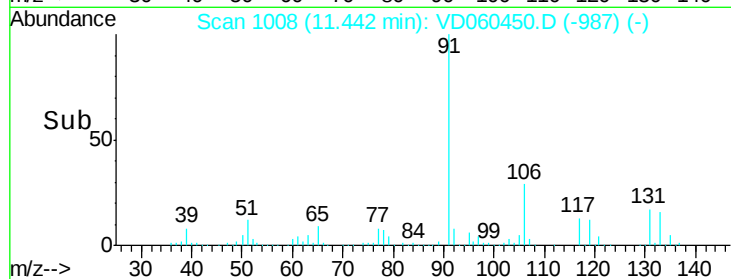
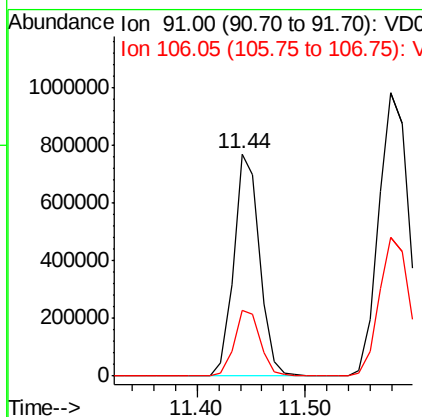
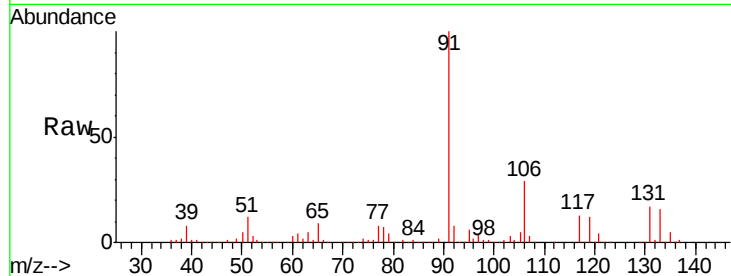




#67
Ethyl Benzene
Concen: 24.47 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

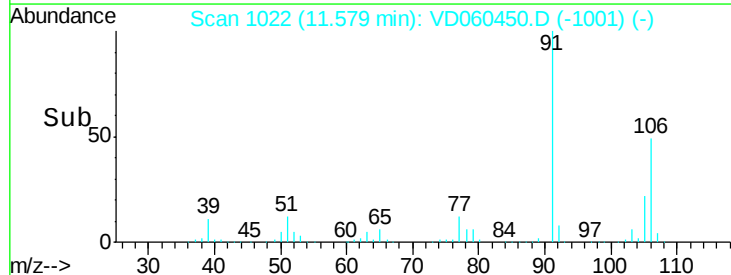
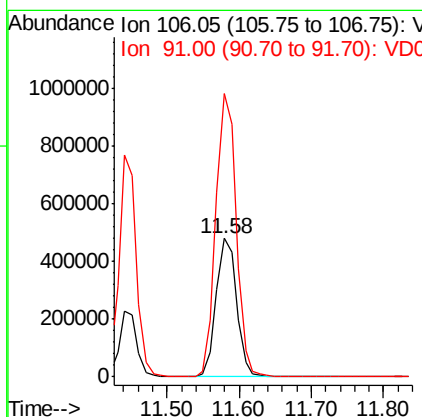
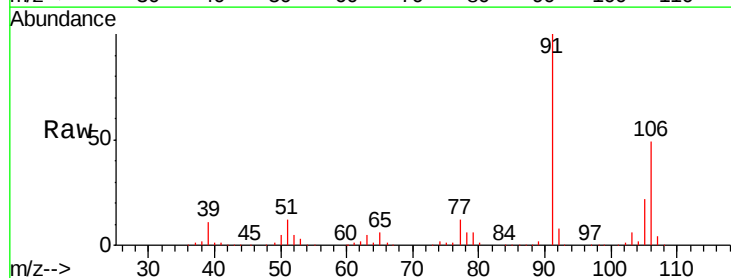
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

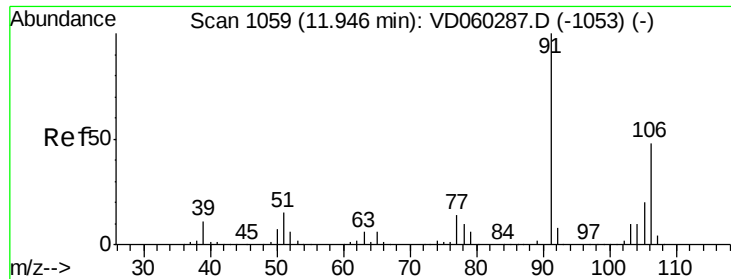
Tgt Ion: 91 Resp: 1279074
Ion Ratio Lower Upper
91 100
106 29.4 24.6 36.8



#68
m/p-Xylenes
Concen: 48.48 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Tgt Ion: 106 Resp: 935039
Ion Ratio Lower Upper
106 100
91 204.5 159.4 239.2

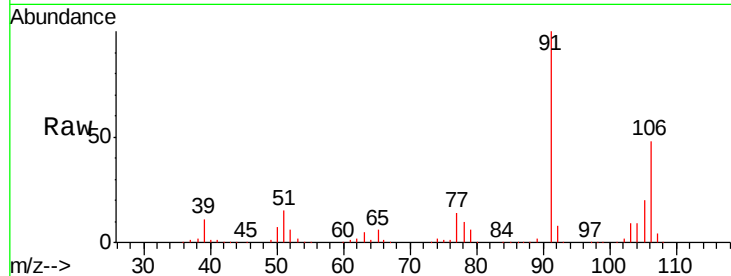




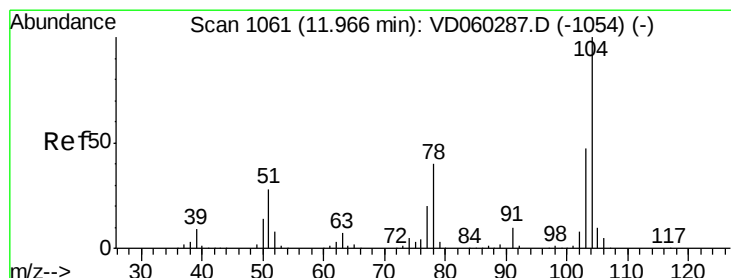
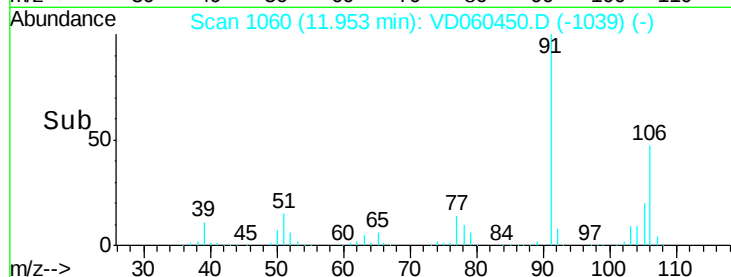
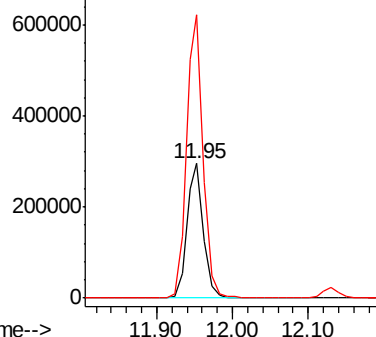
#69
o-Xylene
Concen: 24.03 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tgt Ion:106 Resp: 447670
Ion Ratio Lower Upper
106 100
91 210.5 109.2 327.6

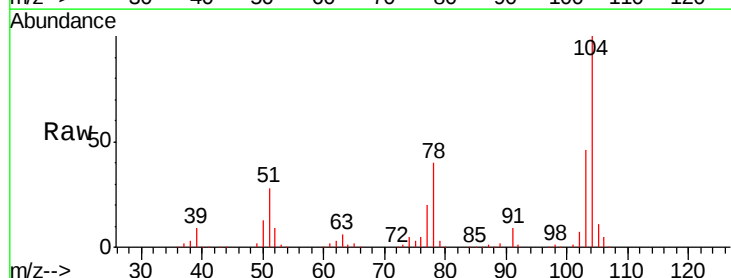


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

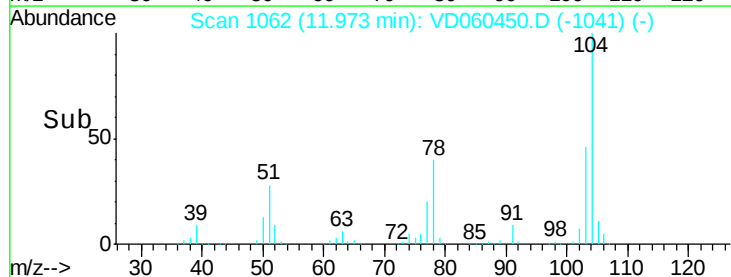
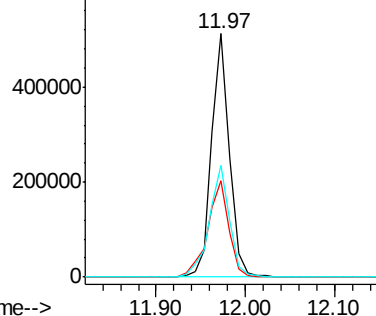


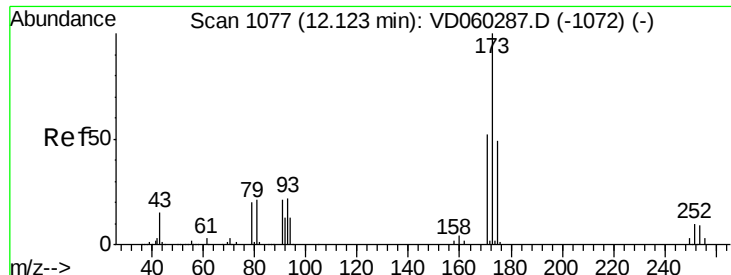
#70
Styrene
Concen: 23.73 ug/l
RT: 11.97 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Tgt Ion:104 Resp: 714498
Ion Ratio Lower Upper
104 100
78 39.8 31.6 47.4
103 46.0 37.0 55.6



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

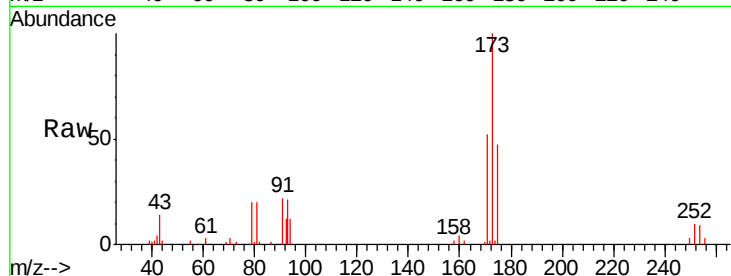




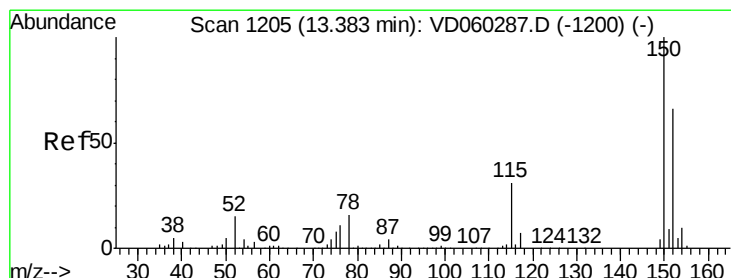
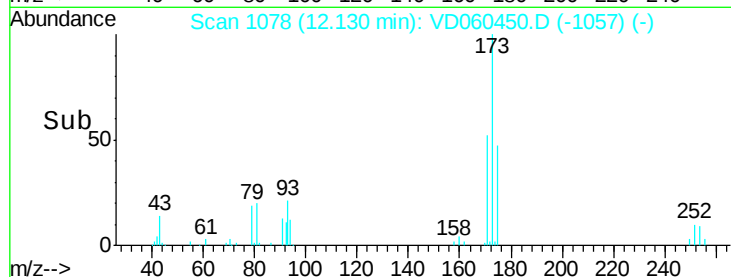
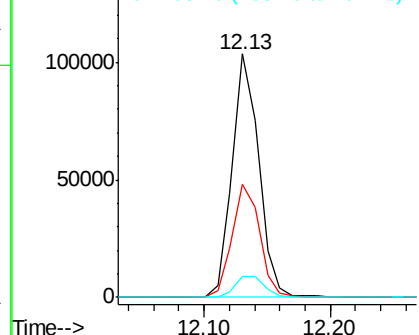
#71
Bromoform
Concen: 22.25 ug/l
RT: 12.13 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tgt Ion:173 Resp: 149512
Ion Ratio Lower Upper
173 100
175 46.6 24.3 73.0
254 8.6 8.3 12.5

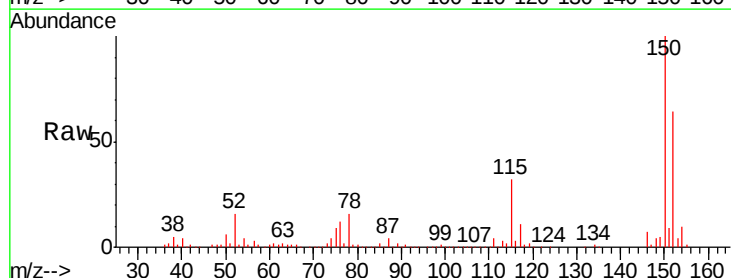


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

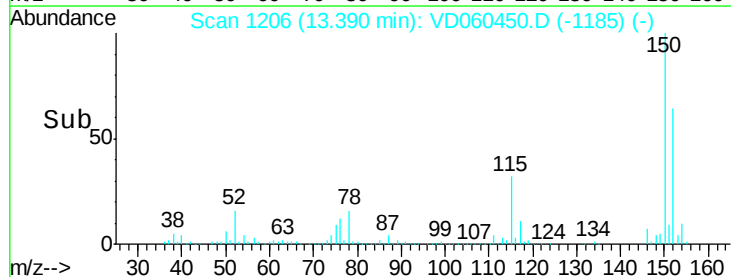
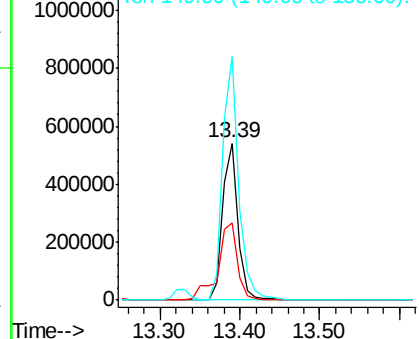


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.39 min Scan# 1206
Delta R.T. 0.01 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Tgt Ion:152 Resp: 742168
Ion Ratio Lower Upper
152 100
115 49.1 24.1 72.3
150 155.4 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.74 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

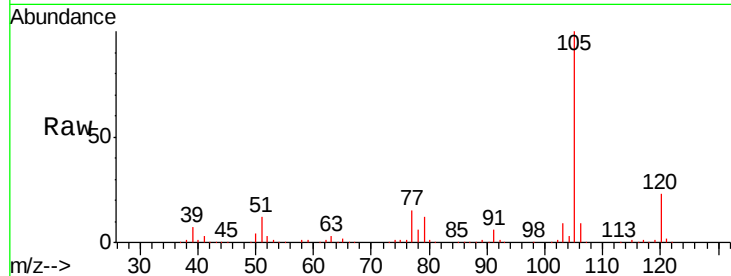
VD1126SBS01

Tgt Ion: 105 Resp: 1283542

Ion Ratio Lower Upper

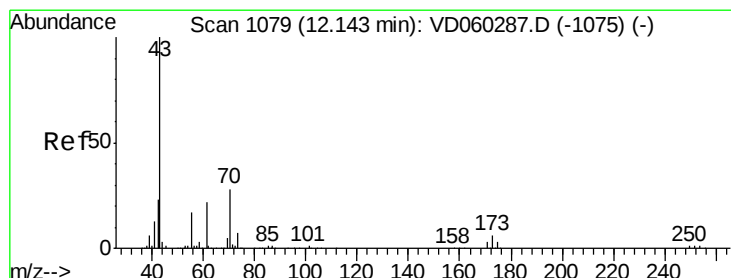
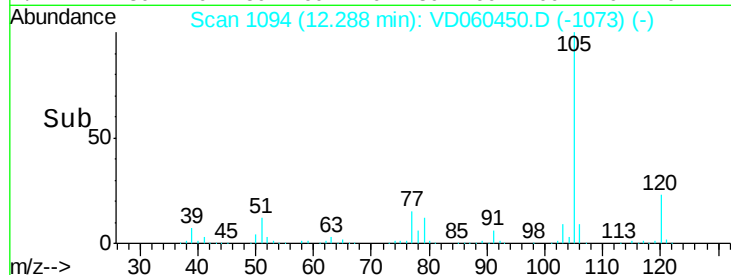
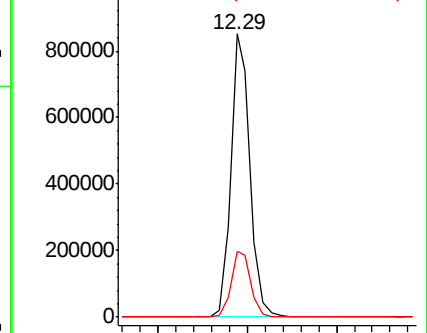
105 100

120 23.2 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.59 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Tgt Ion: 43 Resp: 285390

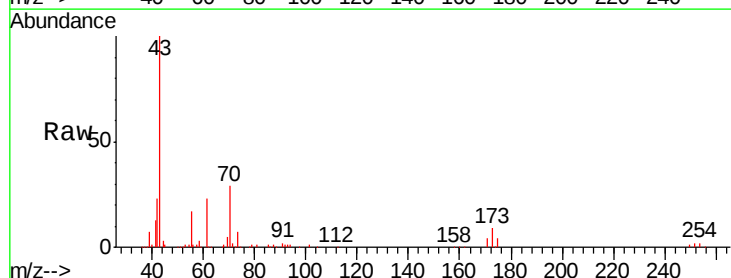
Ion Ratio Lower Upper

43 100

70 28.7 23.0 34.4

55 17.5 14.2 21.4

61 22.8 17.8 26.8

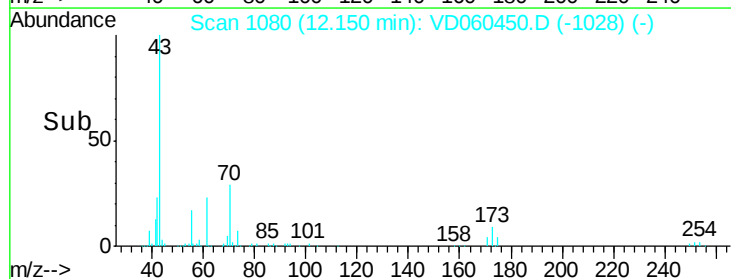
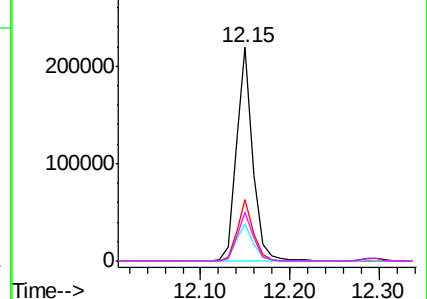


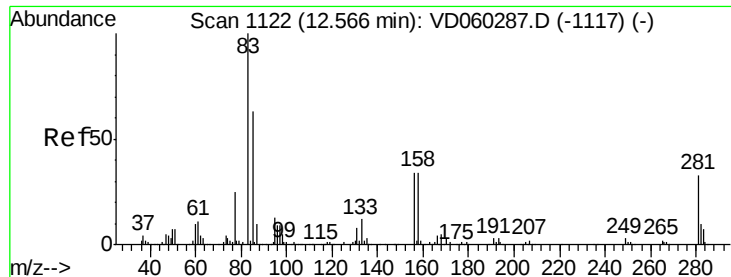
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.03 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

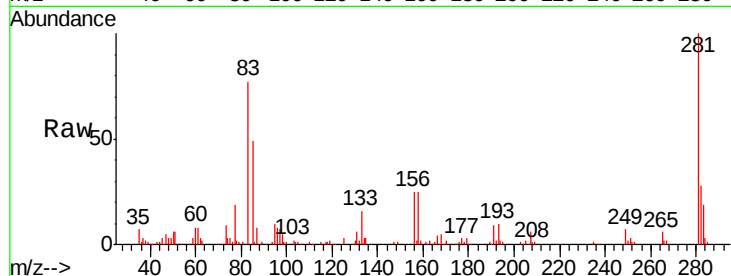
Tgt Ion: 83 Resp: 185997

Ion Ratio Lower Upper

83 100

131 8.4 3.9 11.5

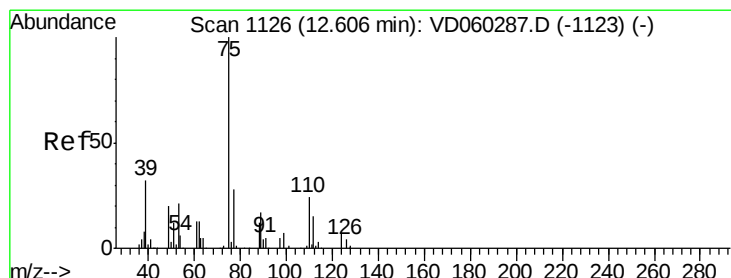
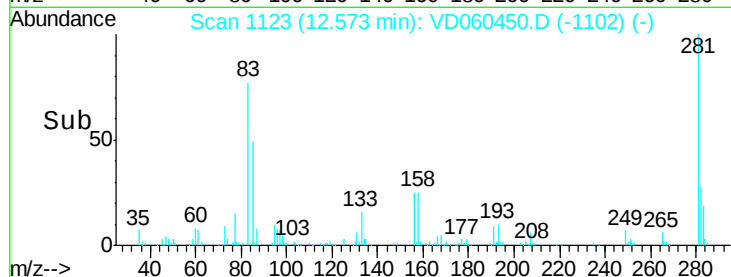
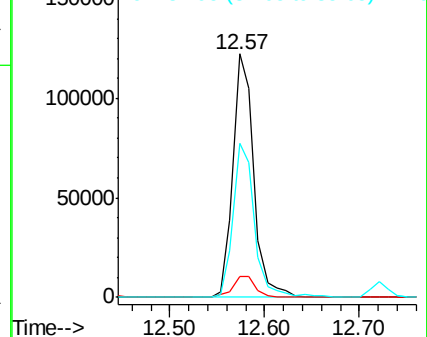
85 63.5 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.83 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060450.D

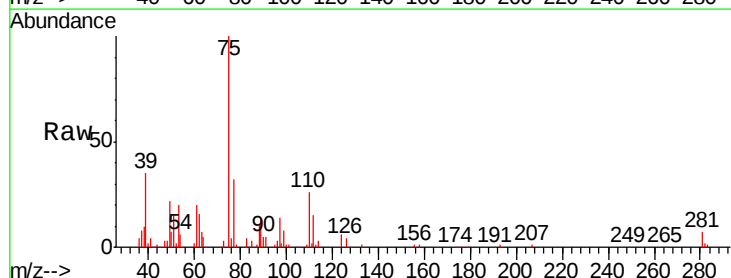
Acq: 26 Nov 2018 12:16

Tgt Ion: 75 Resp: 184911

Ion Ratio Lower Upper

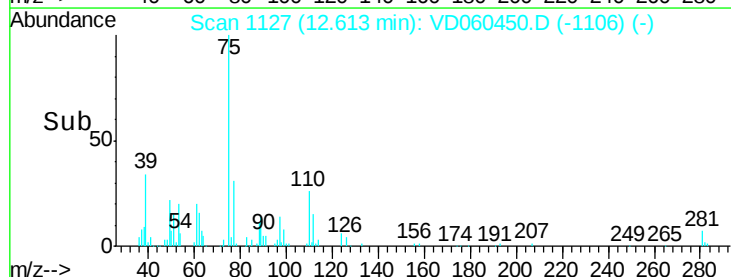
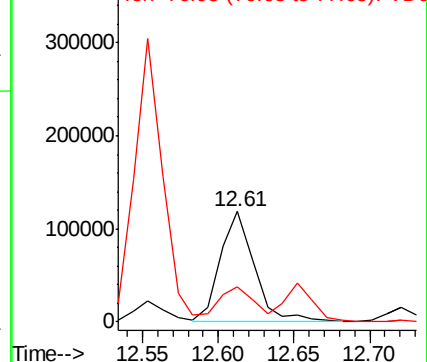
75 100

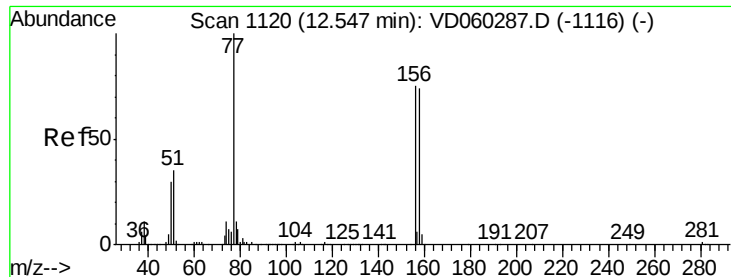
77 31.8 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.77 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

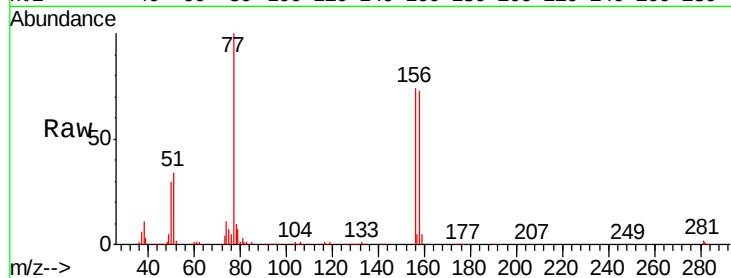
Tgt Ion:156 Resp: 312730

Ion Ratio Lower Upper

156 100

77 135.4 61.2 183.6

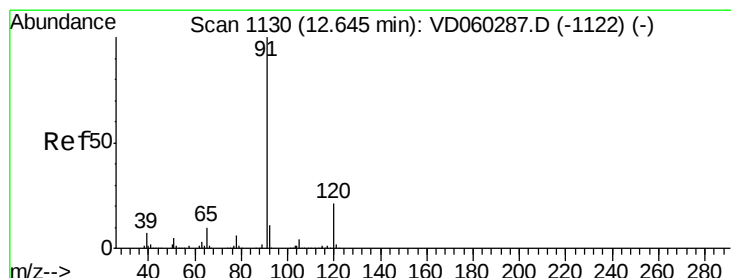
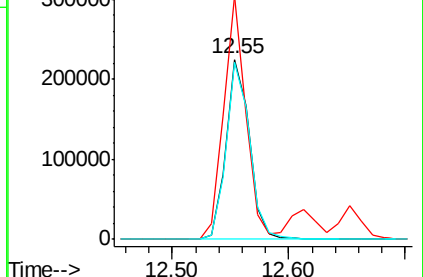
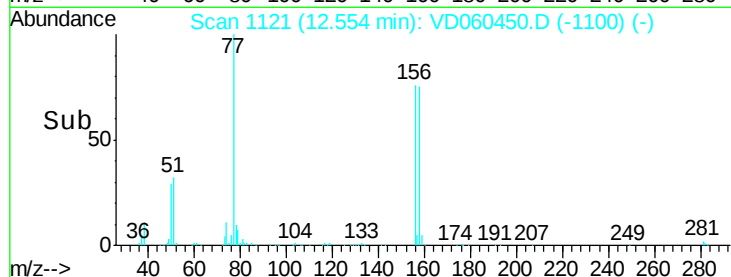
158 98.8 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.65 ug/l

RT: 12.65 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VD060450.D

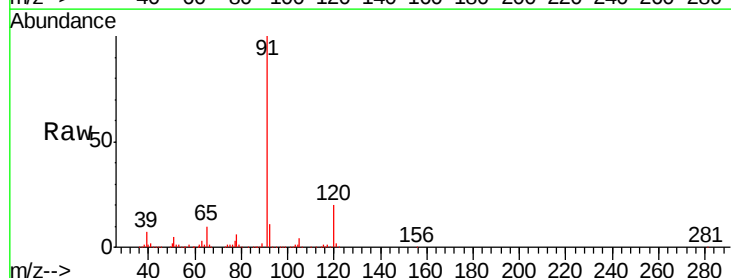
Acq: 26 Nov 2018 12:16

Tgt Ion: 91 Resp: 1596398

Ion Ratio Lower Upper

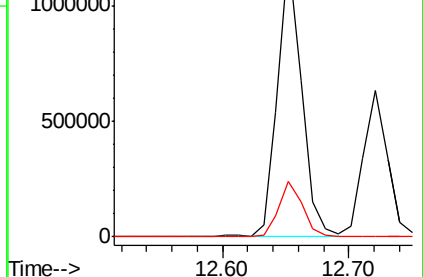
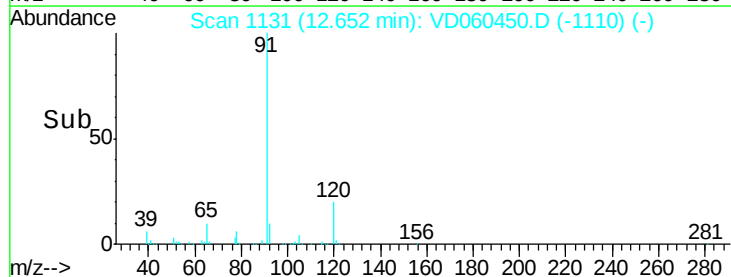
91 100

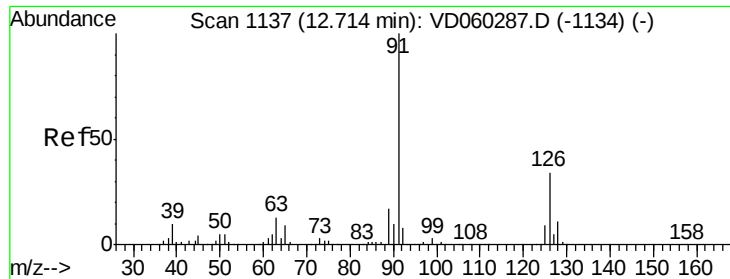
120 19.8 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.99 ug/l

RT: 12.72 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

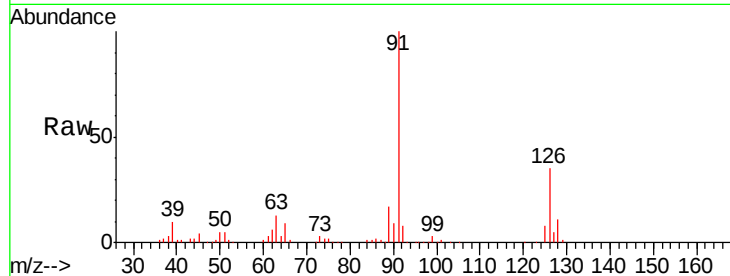
VD1126SBS01

Tgt Ion: 91 Resp: 849898

Ion Ratio Lower Upper

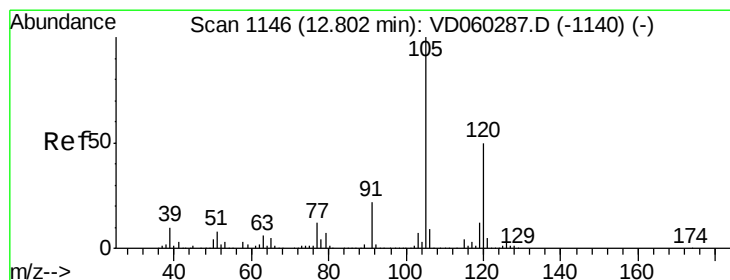
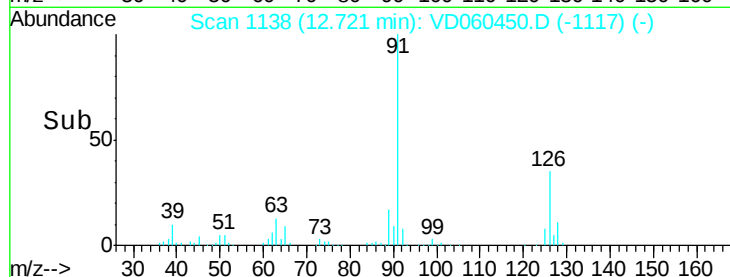
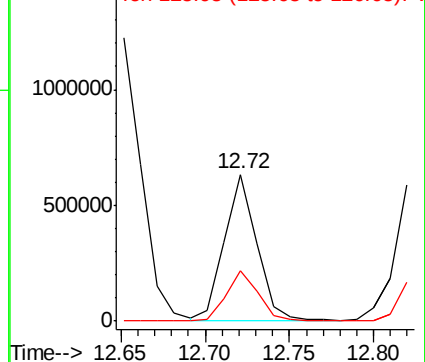
91 100

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: 23.53 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060450.D

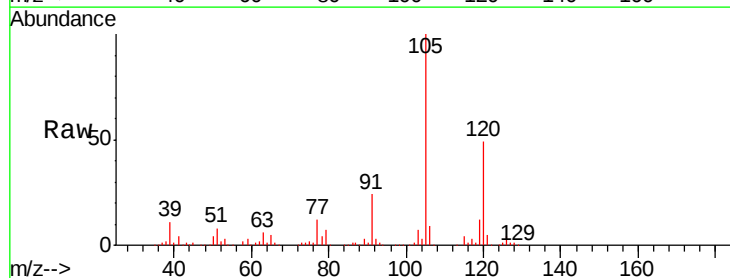
Acq: 26 Nov 2018 12:16

Tgt Ion: 105 Resp: 988874

Ion Ratio Lower Upper

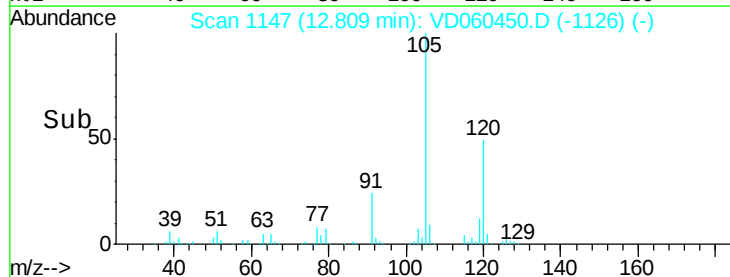
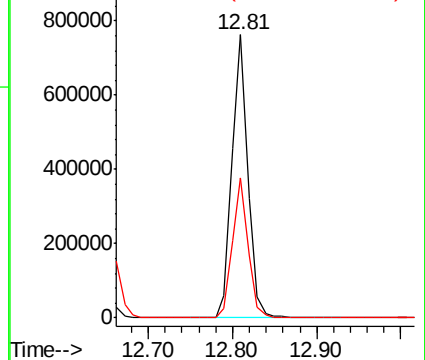
105 100

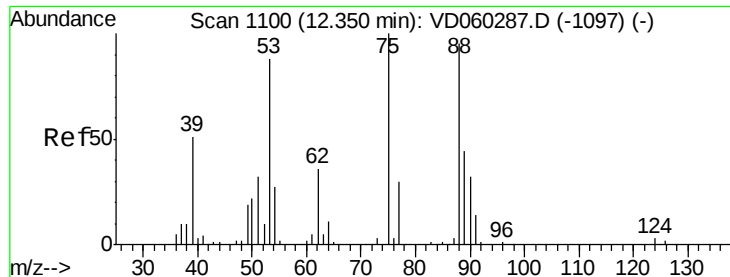
120 49.5 24.4 73.4



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: 20.09 ug/l

RT: 12.36 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VD060450.D

Acq: 26 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

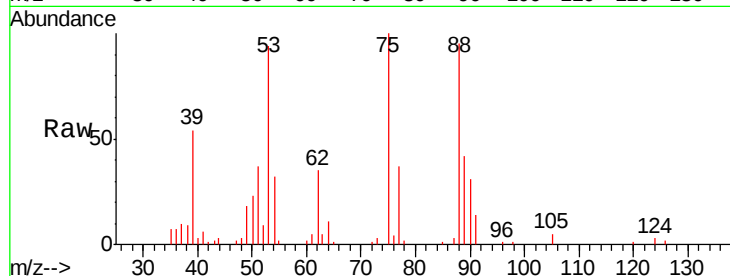
Tgt Ion: 75 Resp: 50776

Ion Ratio Lower Upper

75 100

53 94.5 68.6 103.0

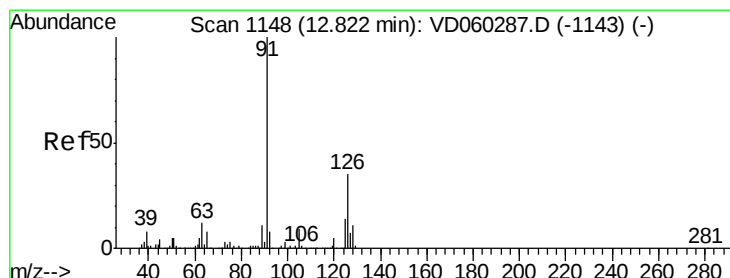
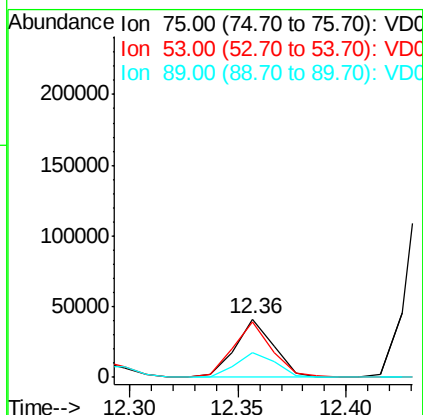
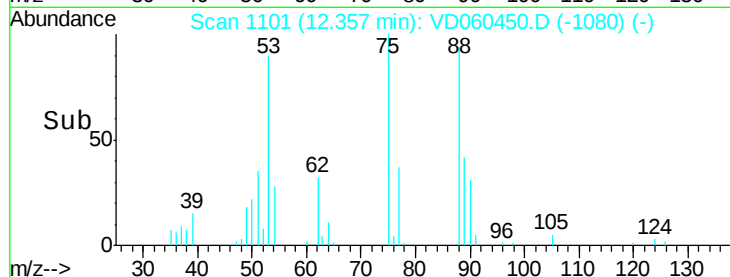
89 41.6 34.1 51.1



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: 23.45 ug/l

RT: 12.83 min Scan# 1149

Delta R.T. 0.01 min

Lab File: VD060450.D

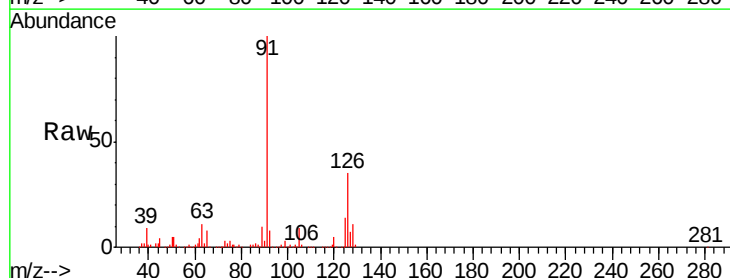
Acq: 26 Nov 2018 12:16

Tgt Ion: 91 Resp: 973812

Ion Ratio Lower Upper

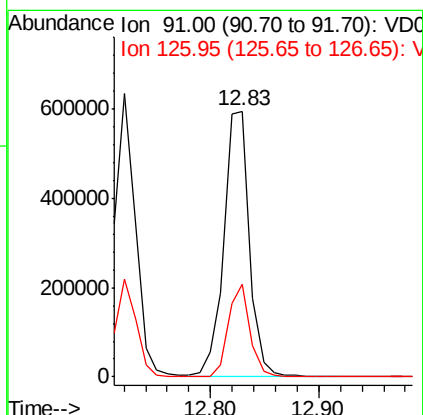
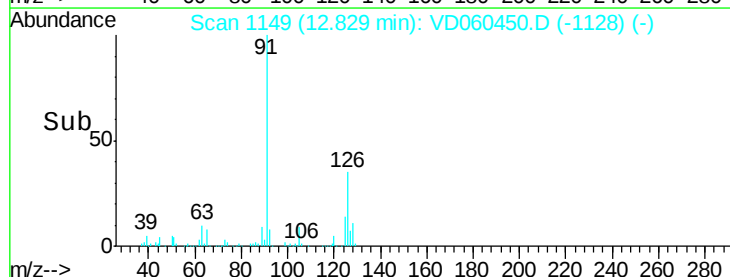
91 100

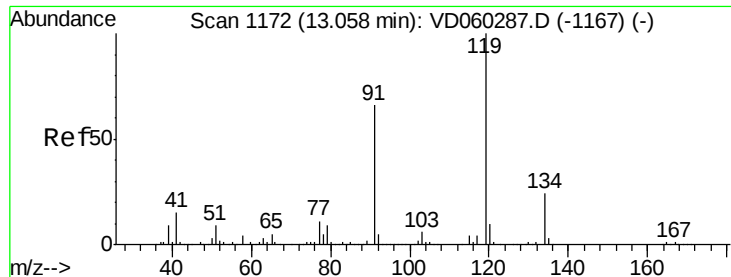
126 35.1 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

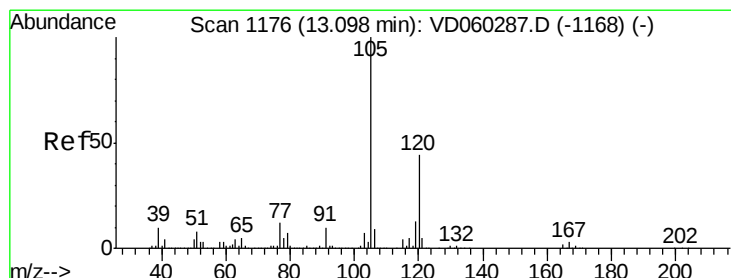
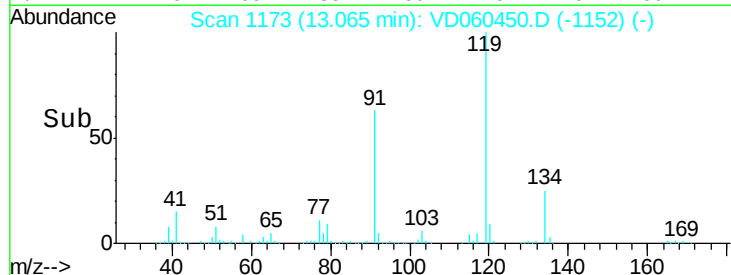
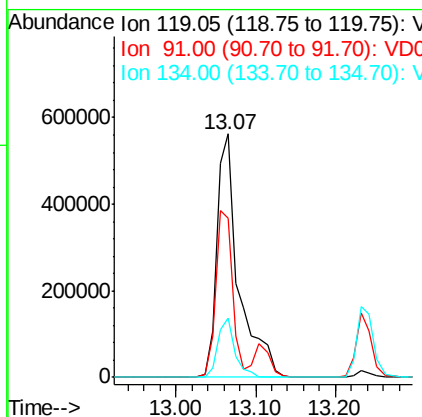
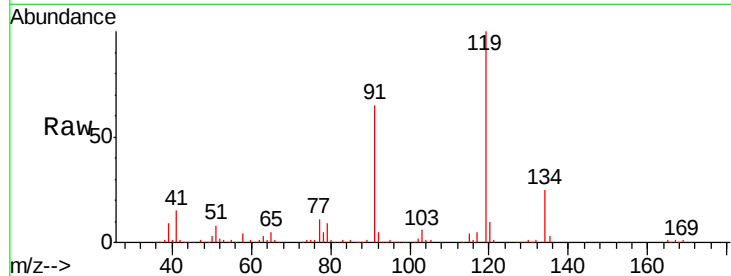




#83
 tert-Butylbenzene
 Concen: 23.23 ug/l
 RT: 13.07 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

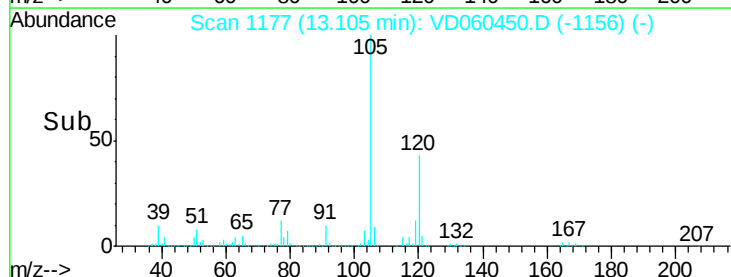
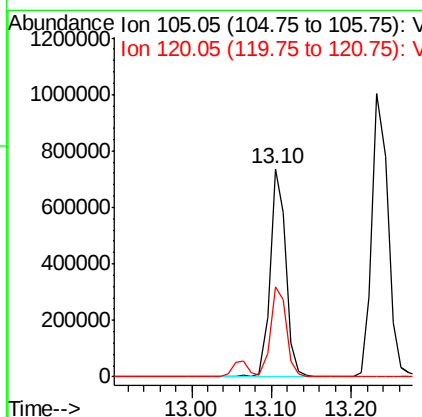
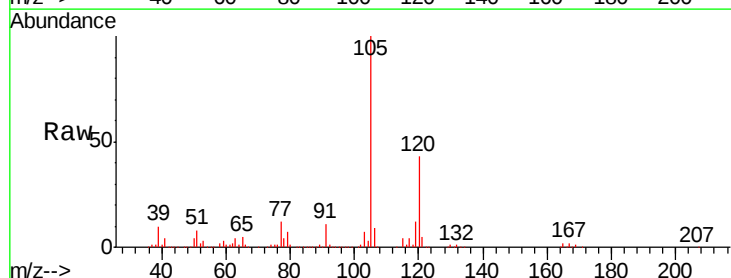
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

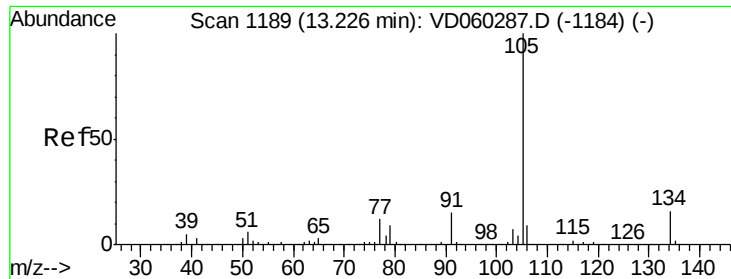
Tgt Ion:119 Resp: 1083921
 Ion Ratio Lower Upper
 119 100
 91 65.3 32.7 98.1
 134 24.5 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 23.95 ug/l
 RT: 13.10 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

Tgt Ion:105 Resp: 1005257
 Ion Ratio Lower Upper
 105 100
 120 43.0 21.9 65.8

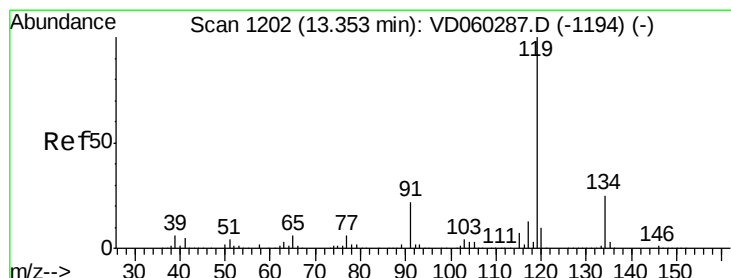
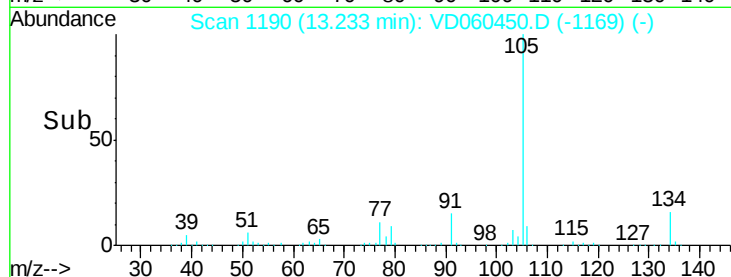
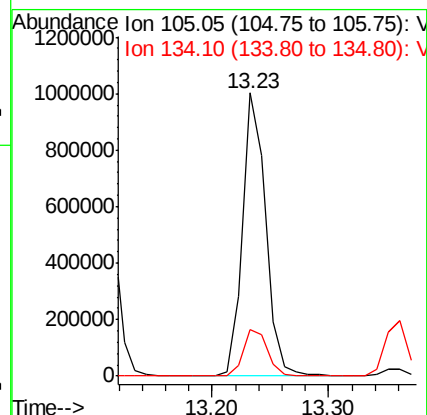
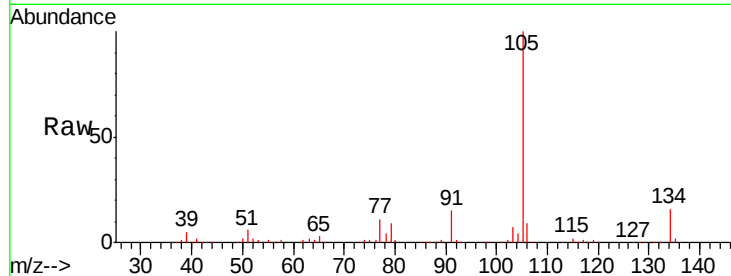




#85
 sec-Butylbenzene
 Concen: 23.99 ug/l
 RT: 13.23 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

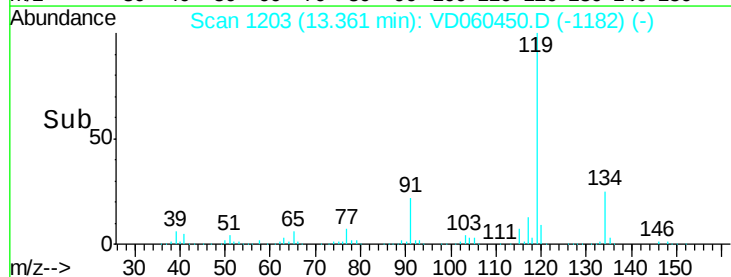
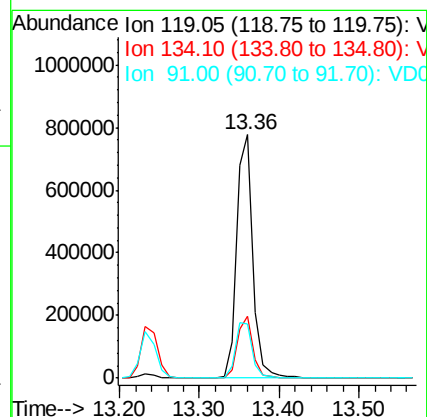
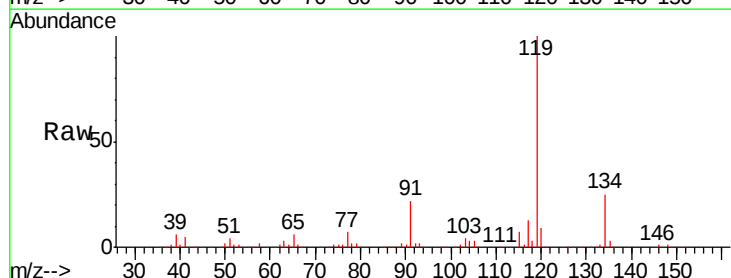
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

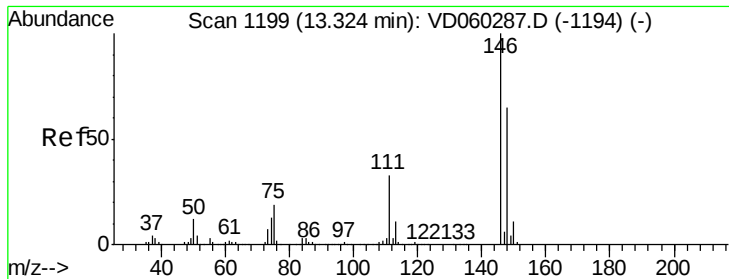
Tgt Ion:105 Resp: 1373034
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 24.00 ug/l
 RT: 13.36 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

Tgt Ion:119 Resp: 1106226
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.9 38.6
 91 22.1 11.3 33.8

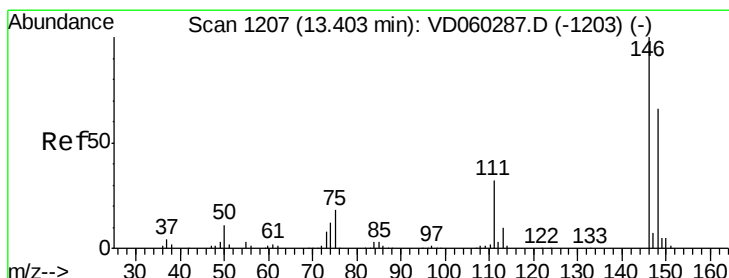
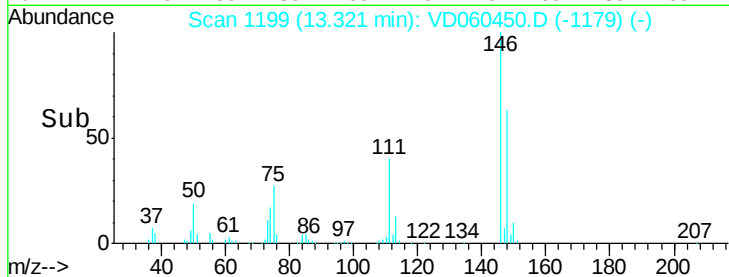
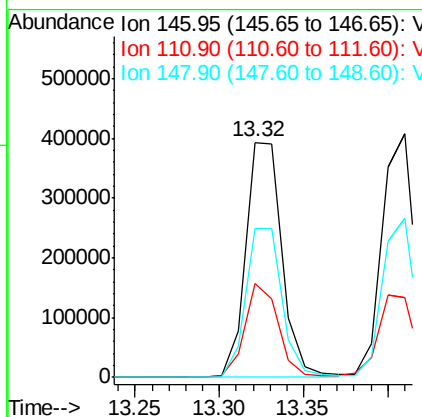
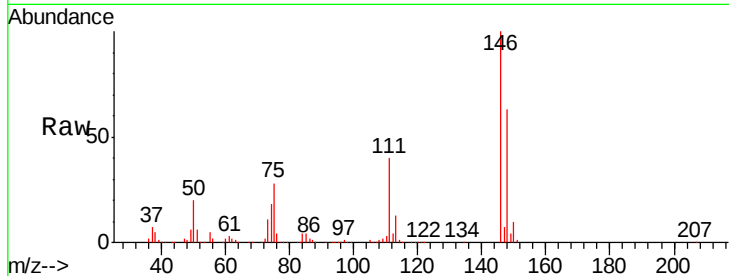




#87
 1,3-Dichlorobenzene
 Concen: 22.94 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

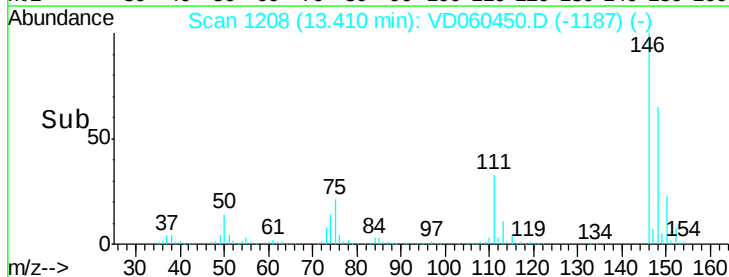
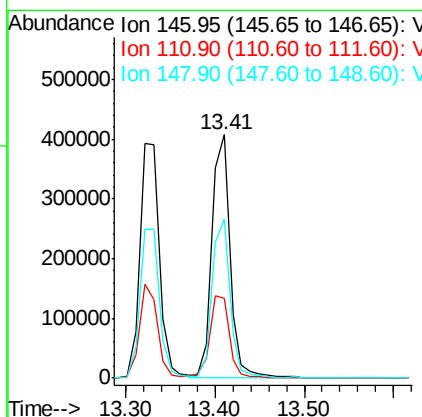
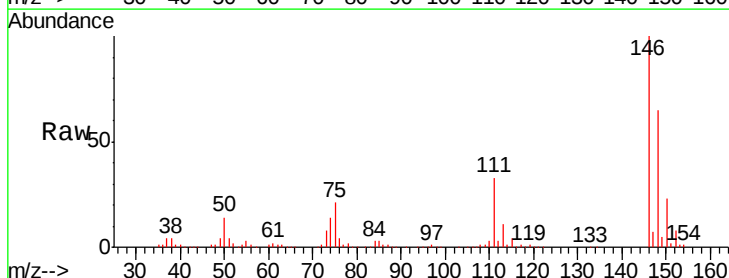
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

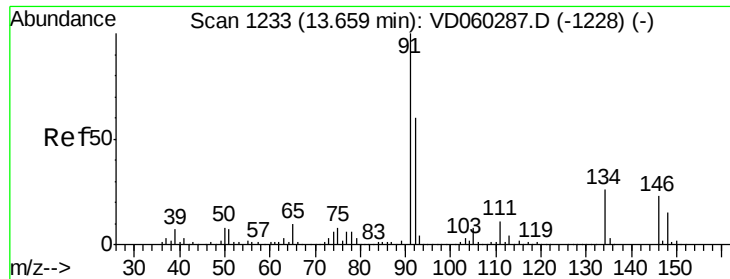
Tgt Ion:146 Resp: 586269
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.2 60.5
 148 63.5 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 23.14 ug/l
 RT: 13.41 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

Tgt Ion:146 Resp: 577465
 Ion Ratio Lower Upper
 146 100
 111 33.0 16.0 47.9
 148 65.2 32.9 98.7

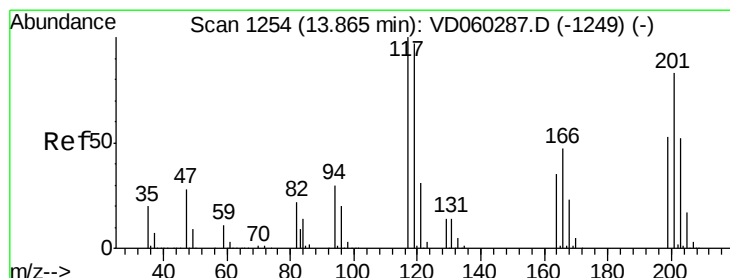
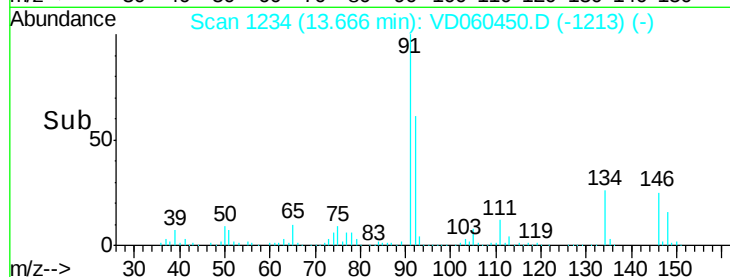
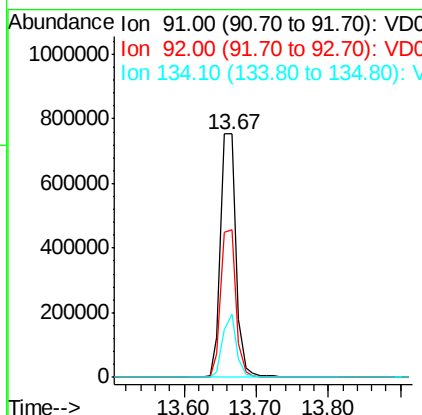
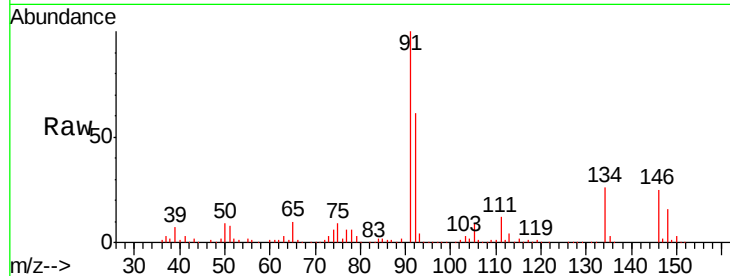




#89
n-Butylbenzene
Concen: 22.14 ug/l
RT: 13.67 min Scan# 1234
Delta R.T. 0.01 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

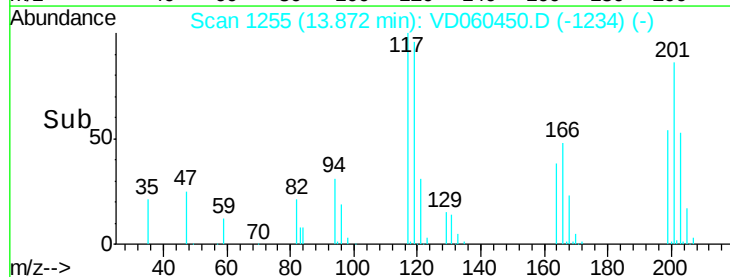
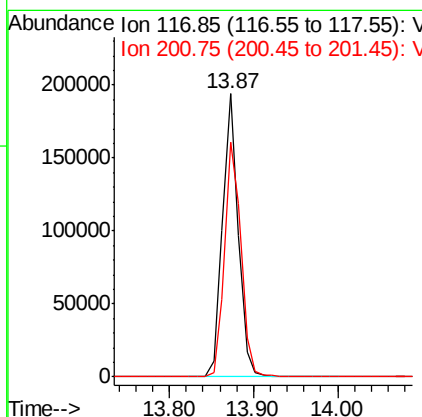
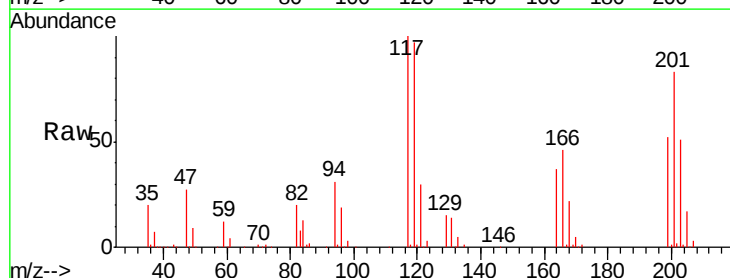
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

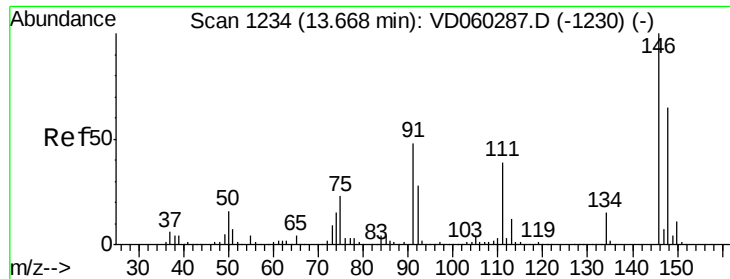
Tgt Ion: 91 Resp: 1110052
Ion Ratio Lower Upper
91 100
92 60.8 30.3 90.9
134 25.8 13.0 38.9



#90
Hexachloroethane
Concen: 23.09 ug/l
RT: 13.87 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Tgt Ion: 117 Resp: 252374
Ion Ratio Lower Upper
117 100
201 83.1 40.1 120.3

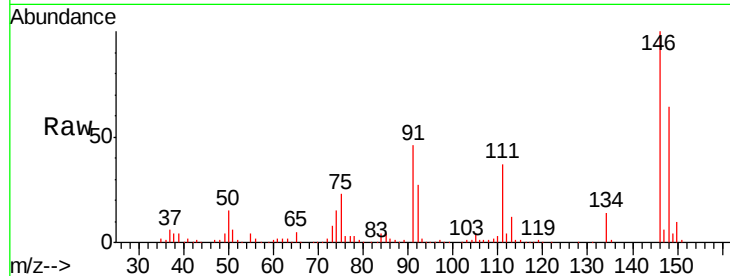




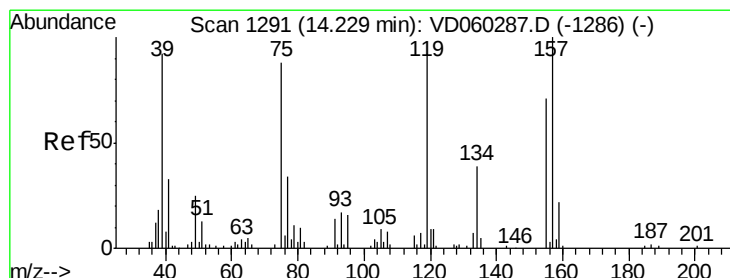
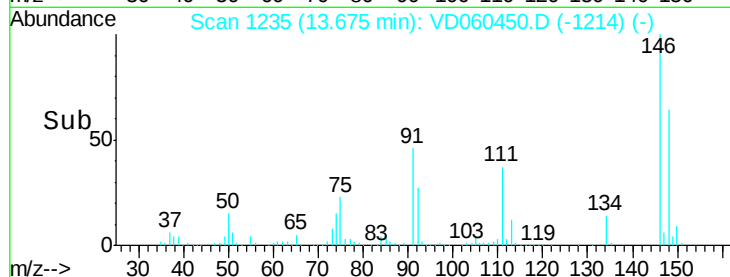
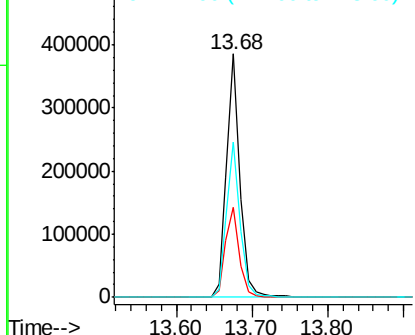
#91
 1,2-Dichlorobenzene
 Concen: 22.44 ug/l
 RT: 13.68 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tgt Ion: 146 Resp: 471090
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.9 56.9
 148 63.5 31.6 94.8

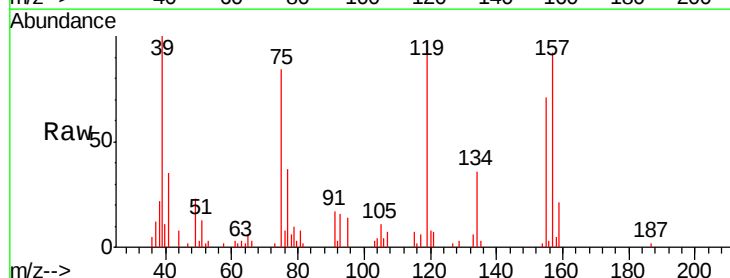


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

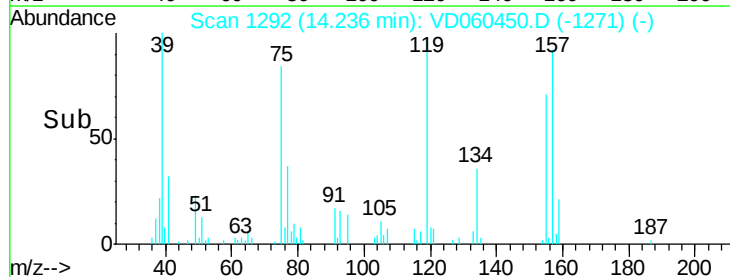
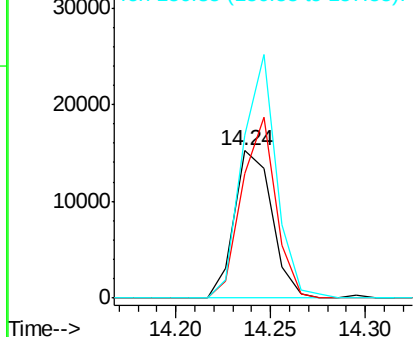


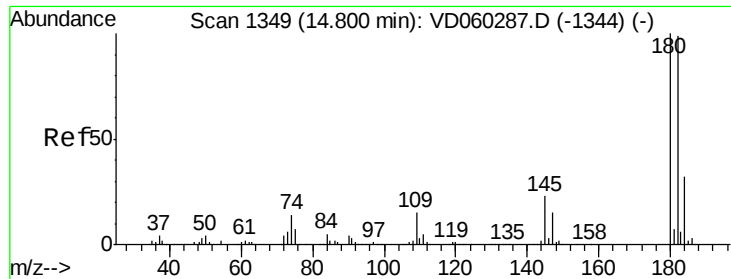
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.65 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

Tgt Ion: 75 Resp: 20973
 Ion Ratio Lower Upper
 75 100
 155 84.4 64.3 192.9
 157 110.6 81.0 243.1



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

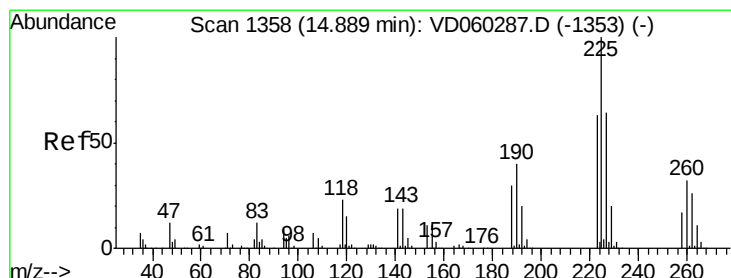
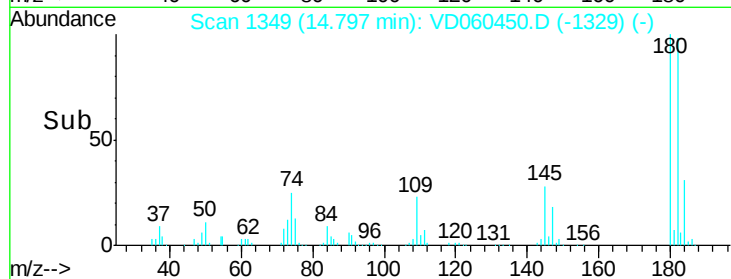
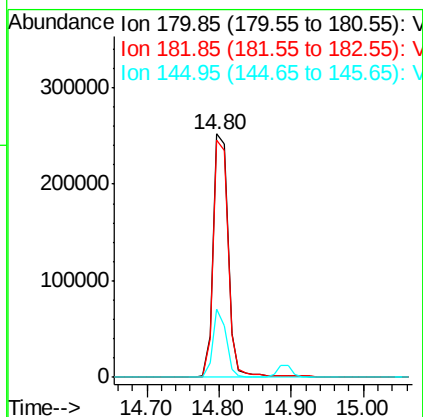
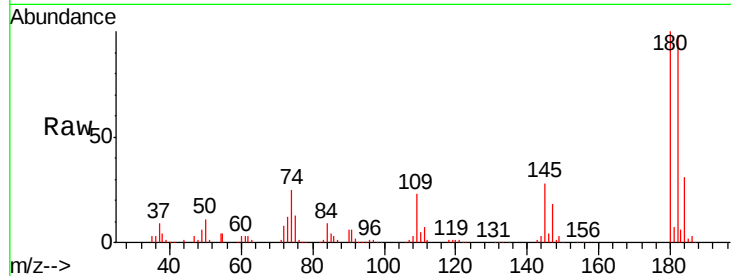




#93
 1,2,4-Trichlorobenzene
 Concen: 21.86 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

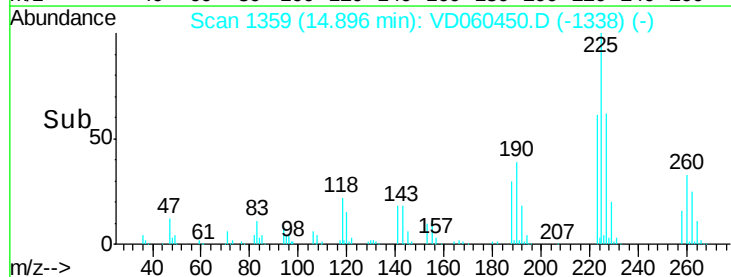
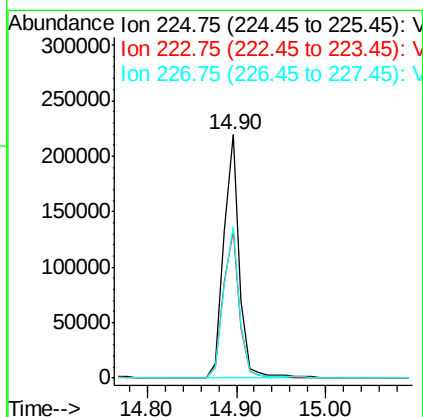
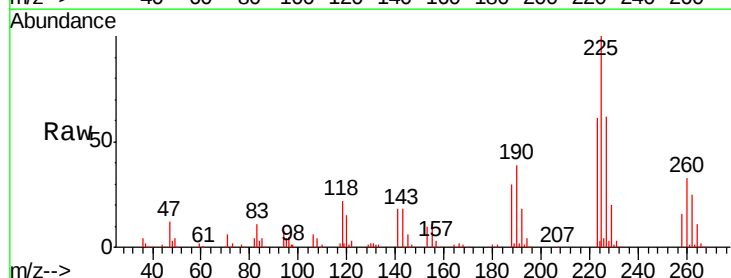
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

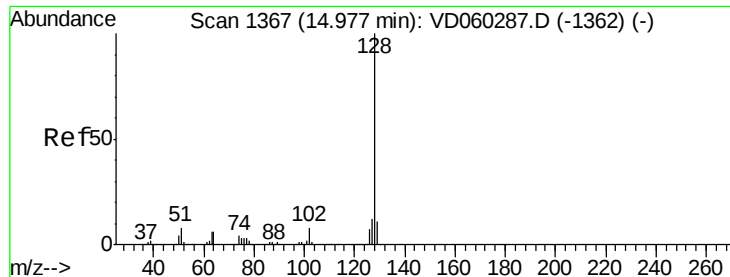
Tgt Ion:180 Resp: 363830
 Ion Ratio Lower Upper
 180 100
 182 97.6 48.1 144.4
 145 28.2 11.5 34.4



#94
 Hexachlorobutadiene
 Concen: 21.99 ug/l
 RT: 14.90 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD060450.D
 Acq: 26 Nov 2018 12:16

Tgt Ion:225 Resp: 273764
 Ion Ratio Lower Upper
 225 100
 223 60.7 31.6 94.8
 227 62.4 32.3 96.9

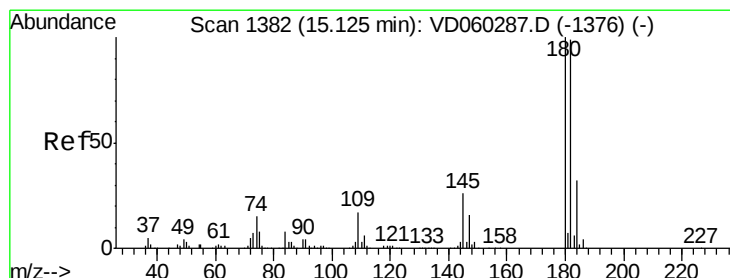
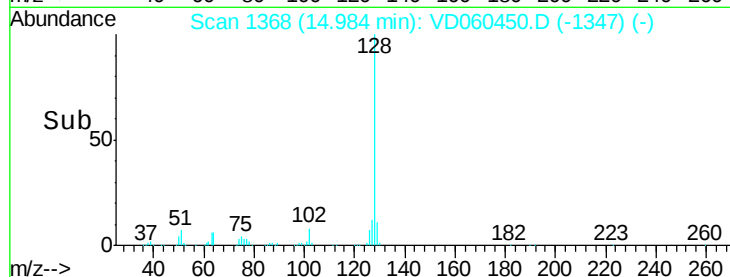
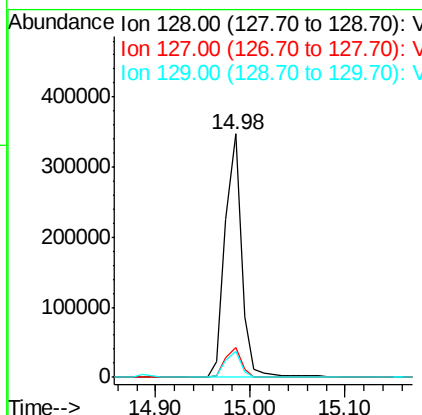
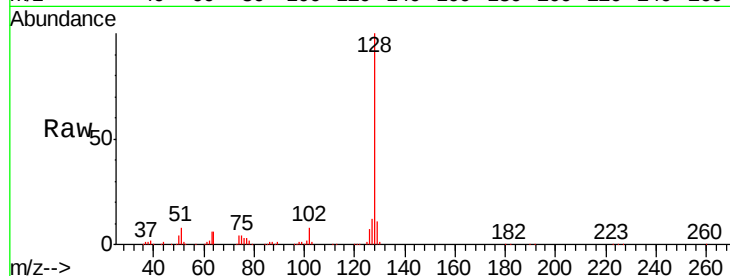




#95
Naphthalene
Concen: 20.72 ug/l
RT: 14.98 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tgt Ion:128 Resp: 421046
Ion Ratio Lower Upper
128 100
127 12.1 9.6 14.4
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 21.54 ug/l
RT: 15.13 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VD060450.D
Acq: 26 Nov 2018 12:16

Tgt Ion:180 Resp: 287219
Ion Ratio Lower Upper
180 100
182 97.4 48.9 146.7
145 24.3 12.9 38.6

