

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

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Quant Time: Nov 26 14:09:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

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

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.82	65	479315	50.56	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.12%	
35) Dibromofluoromethane	6.36	113	713292	51.59	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	9.49	98	2028396	50.12	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.44	95	703726	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	263051	22.84	ug/l	96
3) Chloromethane	1.77	50	253648	20.23	ug/l	99
4) Vinyl Chloride	1.87	62	221837	21.66	ug/l	100
5) Bromomethane	2.16	94	43988	18.10	ug/l	98
6) Chloroethane	2.28	64	65660	19.32	ug/l	97
7) Trichlorofluoromethane	2.53	101	260553	21.58	ug/l	98
8) Diethyl Ether	2.85	74	46297	21.18	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.12	101	176608	22.24	ug/l	98
10) Methyl Iodide	3.28	142	194190	18.83	ug/l	96
11) Tert butyl alcohol	3.99	59	40682	104.51	ug/l #	88
12) 1,1-Dichloroethene	3.10	96	141706	21.94	ug/l	93
13) Acrolein	3.01	56	31031	67.47	ug/l	96
14) Allyl chloride	3.56	41	254155	20.56	ug/l	95
15) Acrylonitrile	4.12	53	242898	107.01	ug/l	100
16) Acetone	3.19	43	183497	111.60	ug/l	95
17) Carbon Disulfide	3.34	76	413874	19.85	ug/l	98
18) Methyl Acetate	3.58	43	73015	20.83	ug/l	100
19) Methyl tert-butyl Ether	4.15	73	423802	21.91	ug/l	99
20) Methylene Chloride	3.75	84	317612	21.77	ug/l	99
21) trans-1,2-Dichloroethene	4.13	96	321319	22.40	ug/l	96
22) Diisopropyl ether	4.89	45	1002473	21.71	ug/l	97
23) Vinyl Acetate	4.83	43	2511526	109.31	ug/l	99
24) 1,1-Dichloroethane	4.79	63	530185	22.39	ug/l	100
25) 2-Butanone	5.65	43	368266	107.75	ug/l	99
26) 2,2-Dichloropropane	5.62	77	419738	22.80	ug/l	99
27) cis-1,2-Dichloroethene	5.63	96	329517	22.05	ug/l	99
28) Bromochloromethane	5.95	49	216138	20.69	ug/l	95
29) Tetrahydrofuran	5.98	42	188017	104.34	ug/l	100
30) Chloroform	6.13	83	529554	22.37	ug/l	99
31) Cyclohexane	6.40	56	476914	21.07	ug/l	98
32) 1,1,1-Trichloroethane	6.33	97	448727	22.50	ug/l	99
36) 1,1-Dichloropropene	6.55	75	391554	21.37	ug/l	98
37) Ethyl Acetate	5.73	43	174618	20.71	ug/l #	96
38) Carbon Tetrachloride	6.53	117	374199	22.02	ug/l	99

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 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)
39) Methylcyclohexane	8.07	83	438829	20.83	ug/l	99
40) Benzene	6.82	78	1005078	21.49	ug/l	99
41) Methacrylonitrile	5.98	41	206757	21.43	ug/l #	95
42) 1,2-Dichloroethane	6.93	62	257494	21.04	ug/l	99
43) Isopropyl Acetate	8.37	43	215190	20.32	ug/l #	100
44) Trichloroethene	7.77	130	314348	22.18	ug/l	99
45) 1,2-Dichloropropane	8.13	63	260975	22.13	ug/l	94
46) Dibromomethane	8.25	93	149046	21.58	ug/l	99
47) Bromodichloromethane	8.52	83	353670	21.73	ug/l #	97
48) Methyl methacrylate	8.28	41	130974	20.36	ug/l	94
49) 1,4-Dioxane	8.26	88	24643	442.82	ug/l #	79
51) 4-Methyl-2-Pentanone	9.37	43	722647	104.86	ug/l	98
52) Toluene	9.57	92	655981	21.96	ug/l	99
53) t-1,3-Dichloropropene	9.95	75	300084	21.82	ug/l	99
54) cis-1,3-Dichloropropene	9.13	75	374940	21.26	ug/l	96
55) 1,1,2-Trichloroethane	10.20	97	180205	20.81	ug/l	97
56) Ethyl methacrylate	10.06	69	168699	21.19	ug/l	97
57) 1,3-Dichloropropane	10.41	76	276055	20.93	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.94	63	516410	107.29	ug/l	99
59) 2-Hexanone	10.51	43	534271	108.77	ug/l	99
60) Dibromochloromethane	10.67	129	229138	21.77	ug/l	99
61) 1,2-Dibromoethane	10.78	107	189328	21.83	ug/l	95
64) Tetrachloroethene	10.27	164	286814	22.46	ug/l	98
65) Chlorobenzene	11.34	112	713575	23.02	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	238578	23.53	ug/l	98
67) Ethyl Benzene	11.44	91	1280316	24.15	ug/l	98
68) m/p-Xylenes	11.58	106	908834	46.47	ug/l	97
69) o-Xylene	11.96	106	431038	22.81	ug/l	89
70) Styrene	11.98	104	710169	23.26	ug/l	99
71) Bromoform	12.13	173	147417	21.63	ug/l	97
73) Isopropylbenzene	12.29	105	1248565	23.36	ug/l	99
74) N-amyl acetate	12.15	43	284082	20.73	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	184615	21.12	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	184666	21.04	ug/l	95
77) Bromobenzene	12.56	156	302948	21.34	ug/l	98
78) n-propylbenzene	12.65	91	1536888	23.03	ug/l	99
79) 2-Chlorotoluene	12.72	91	831395	22.75	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	943092	22.70	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.36	75	50456	20.19	ug/l	91
82) 4-Chlorotoluene	12.82	91	912371	22.23	ug/l	99
83) tert-Butylbenzene	13.06	119	1063974	23.07	ug/l	91
84) 1,2,4-Trimethylbenzene	13.11	105	981079	23.65	ug/l	98
85) sec-Butylbenzene	13.23	105	1279494	22.61	ug/l	98
86) p-Isopropyltoluene	13.35	119	1057465	23.21	ug/l	95
87) 1,3-Dichlorobenzene	13.32	146	573310	22.69	ug/l	95
88) 1,4-Dichlorobenzene	13.40	146	550468	22.31	ug/l	96
89) n-Butylbenzene	13.66	91	1085762	21.88	ug/l	97
90) Hexachloroethane	13.87	117	252454	23.36	ug/l	89
91) 1,2-Dichlorobenzene	13.68	146	482120	23.23	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	22050	20.89	ug/l	70

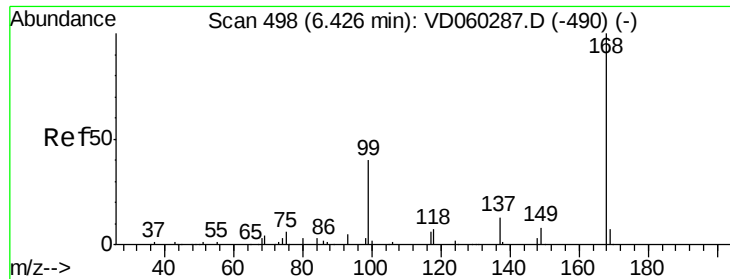
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD112618\
Data File : VD060451.D
Acq On : 26 Nov 2018 12:44
Operator : VA/AP
Sample : VD1126SBSD01
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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	364310	22.14	ug/l	97
94) Hexachlorobutadiene	14.90	225	264572	21.50	ug/l	98
95) Naphthalene	14.98	128	447890	22.30	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	283082	21.47	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

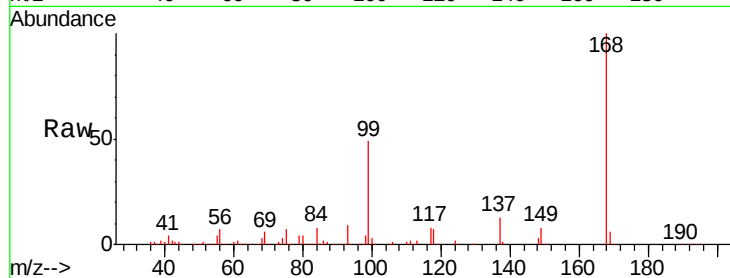
VD1126SBSD01

Tgt Ion:168 Resp: 1323892

Ion Ratio Lower Upper

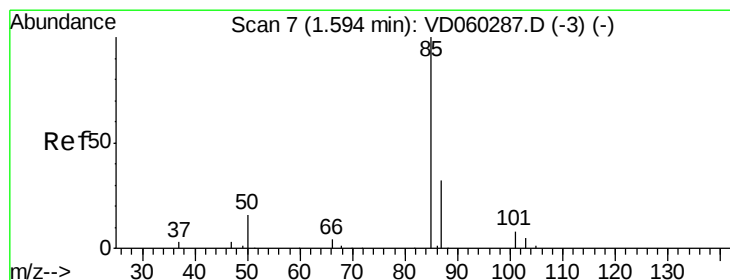
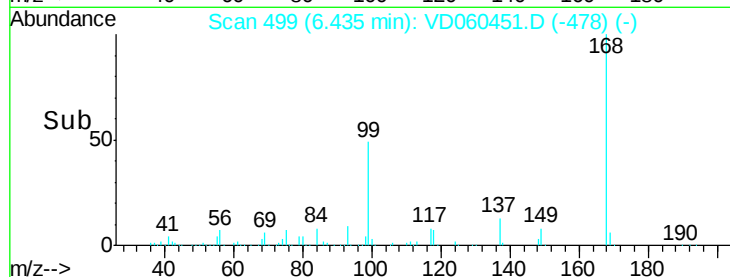
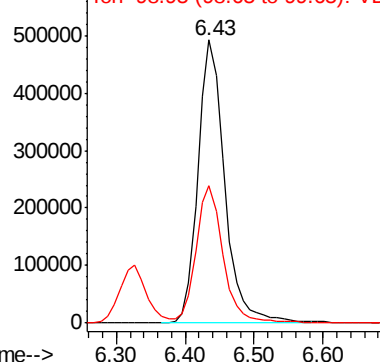
168 100

99 48.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 22.84 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060451.D

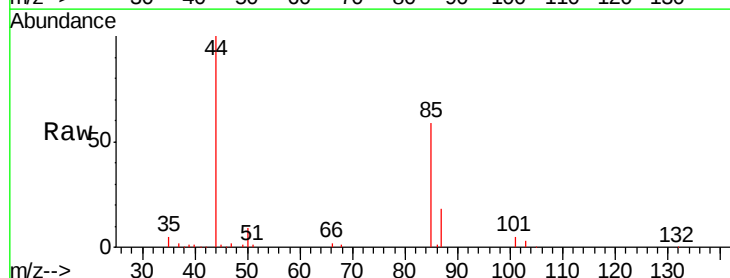
Acq: 26 Nov 2018 12:44

Tgt Ion: 85 Resp: 263051

Ion Ratio Lower Upper

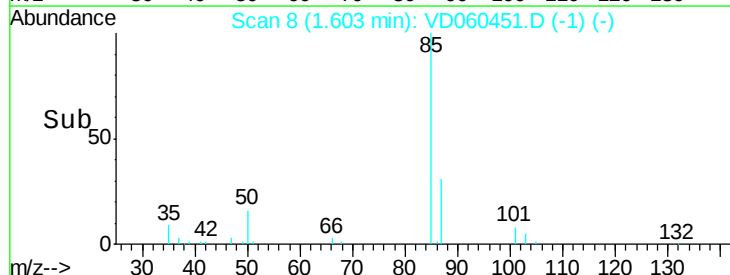
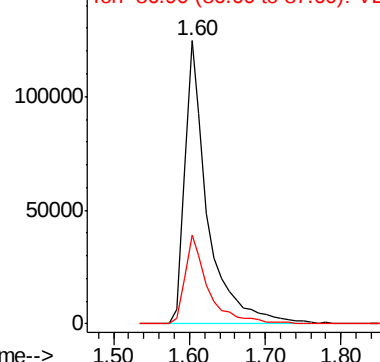
85 100

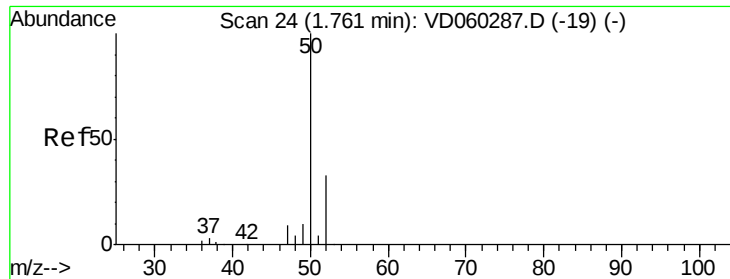
87 31.2 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.23 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

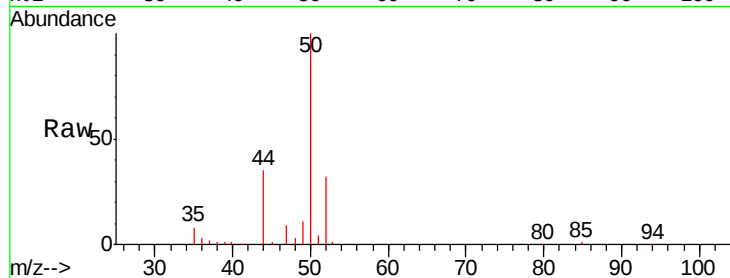
VD1126SBSD01

Tgt Ion: 50 Resp: 253648

Ion Ratio Lower Upper

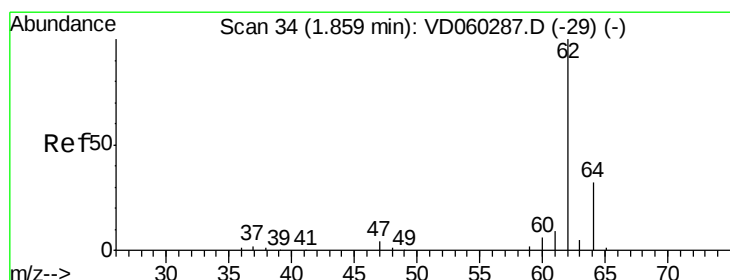
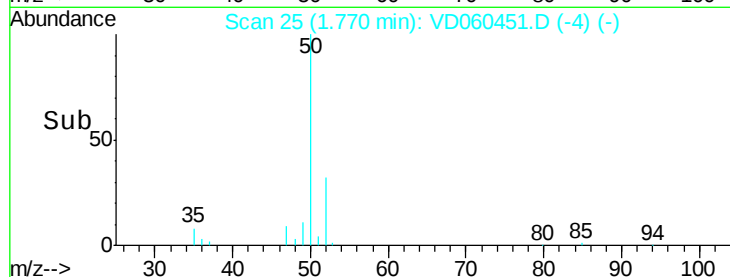
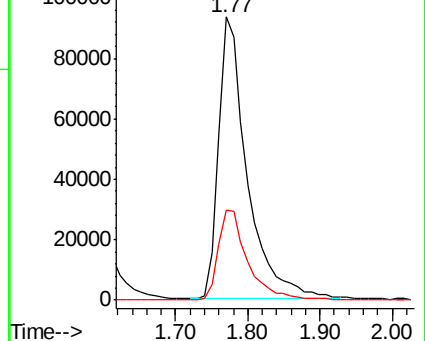
50 100

52 31.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.66 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060451.D

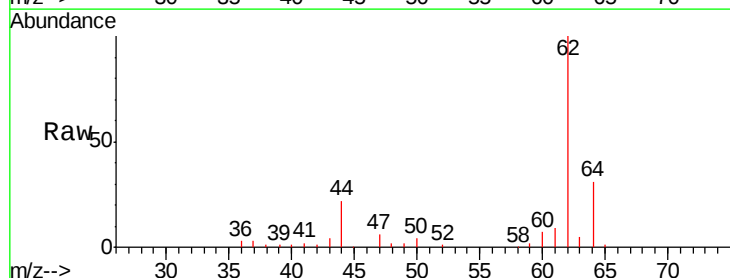
Acq: 26 Nov 2018 12:44

Tgt Ion: 62 Resp: 221837

Ion Ratio Lower Upper

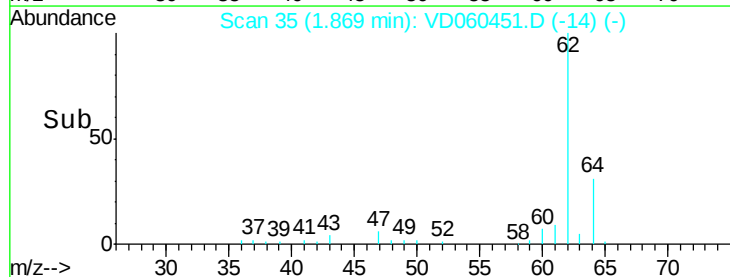
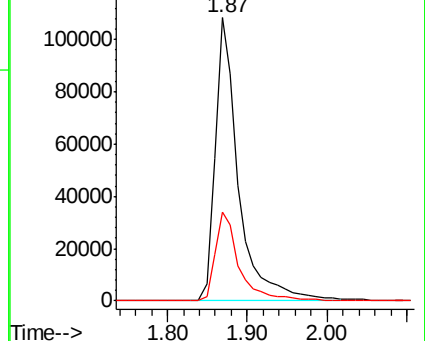
62 100

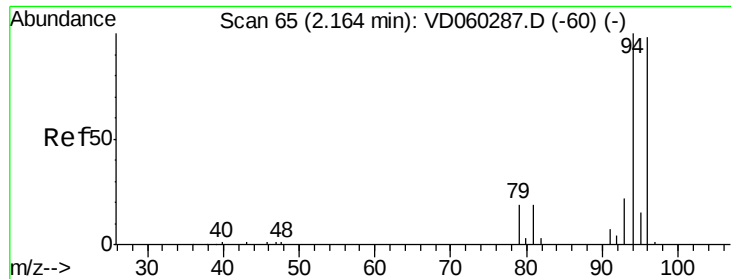
64 31.4 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.10 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

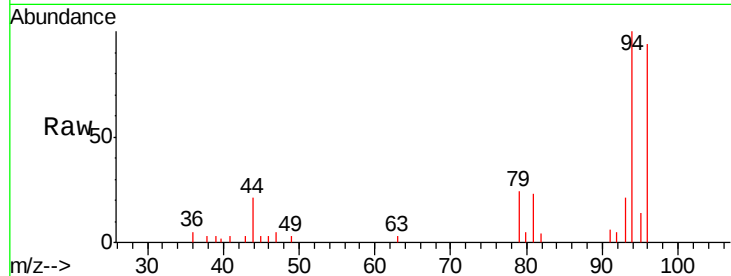
VD1126SBS01

Tgt Ion: 94 Resp: 43988

Ion Ratio Lower Upper

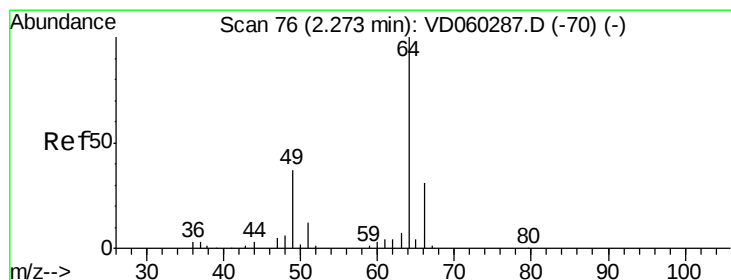
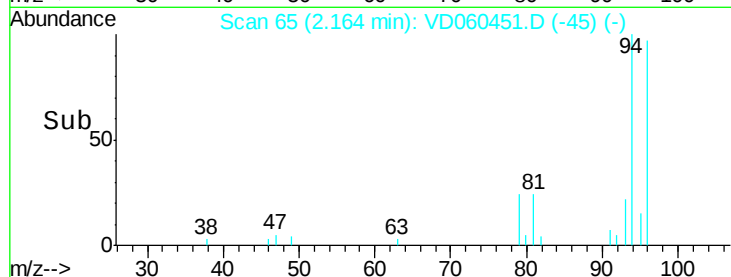
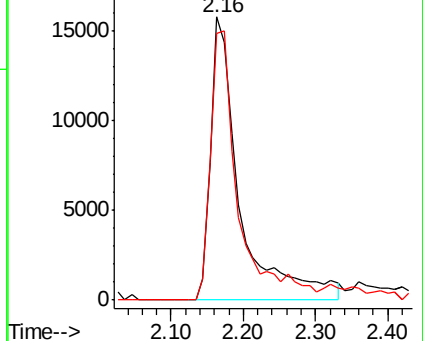
94 100

96 94.1 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.32 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.01 min

Lab File: VD060451.D

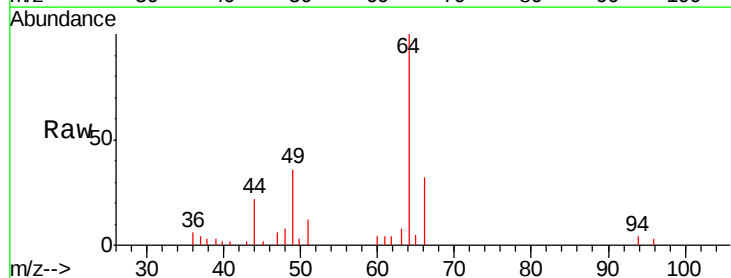
Acq: 26 Nov 2018 12:44

Tgt Ion: 64 Resp: 65660

Ion Ratio Lower Upper

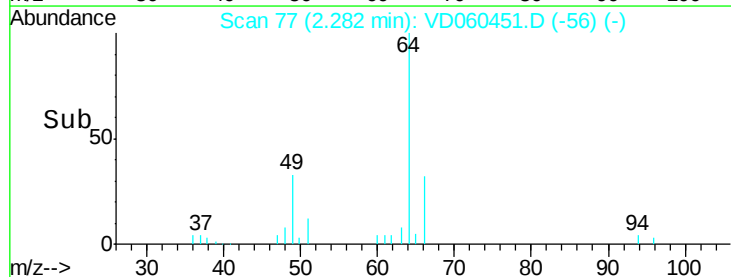
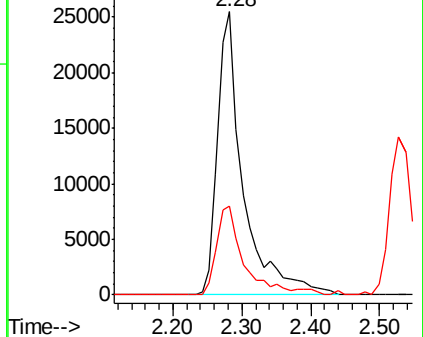
64 100

66 31.5 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



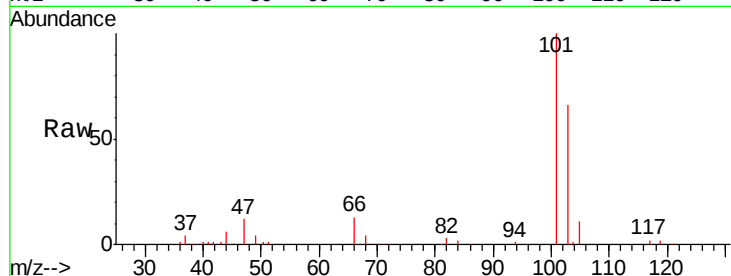


#7

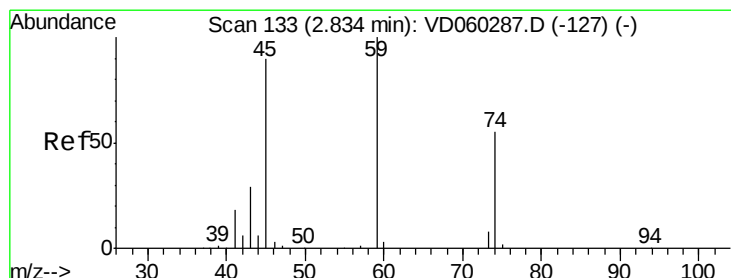
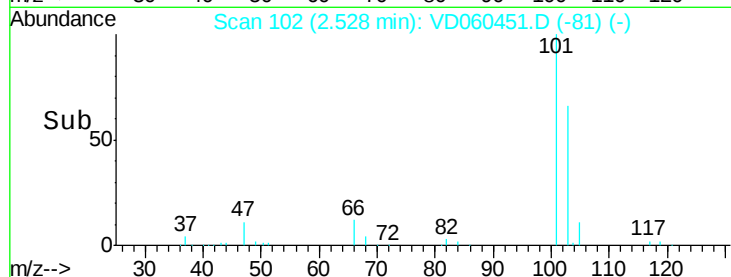
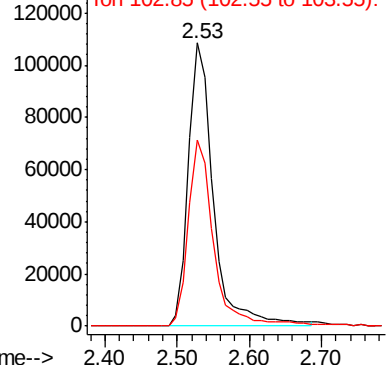
Trichlorofluoromethane
 Concen: 21.58 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBSD01

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



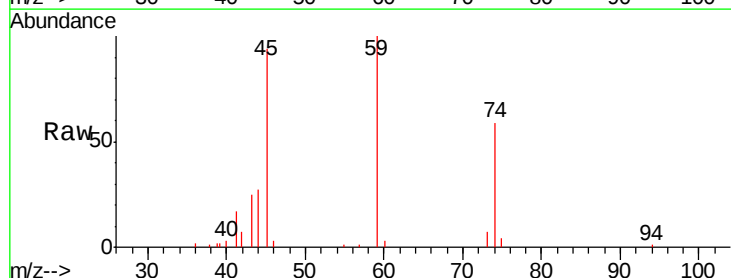
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



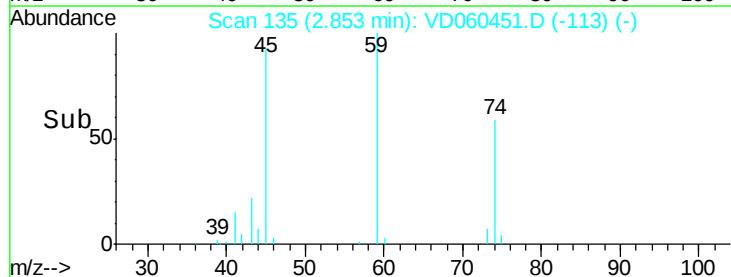
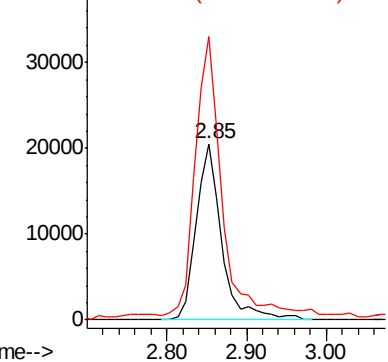
#8

Diethyl Ether
 Concen: 21.18 ug/l
 RT: 2.85 min Scan# 135
 Delta R.T. 0.02 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

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



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: 22.24 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

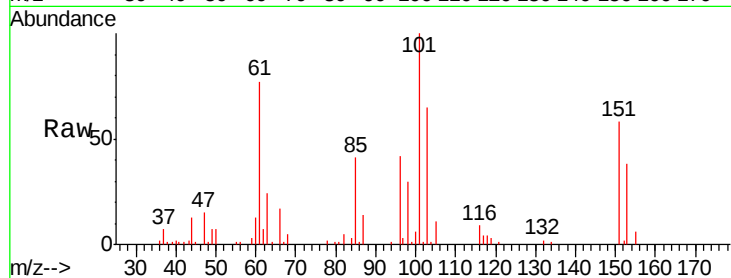
Tgt Ion:101 Resp: 176608

Ion Ratio Lower Upper

101 100

85 41.1 31.4 47.0

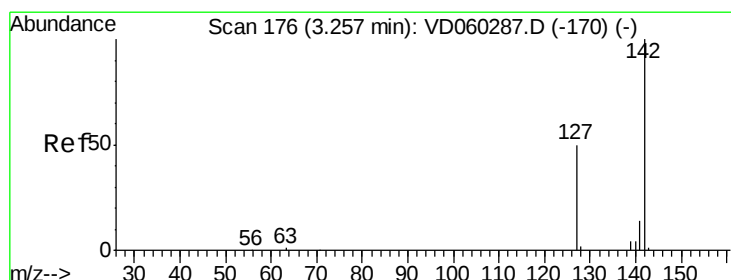
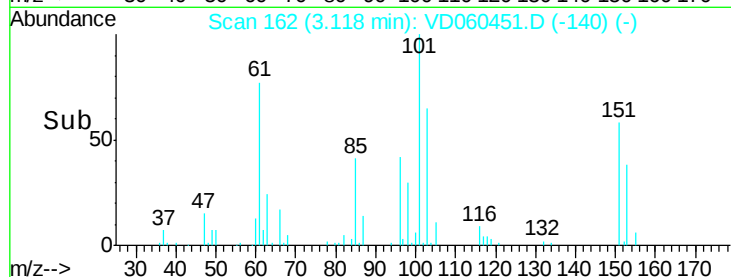
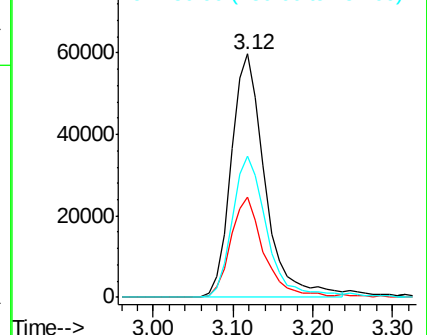
151 58.2 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.83 ug/l

RT: 3.28 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

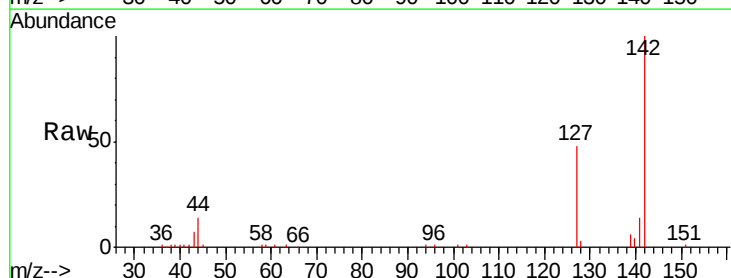
Tgt Ion:142 Resp: 194190

Ion Ratio Lower Upper

142 100

127 48.2 41.0 61.6

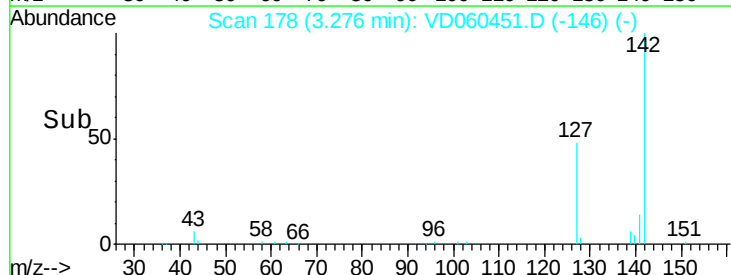
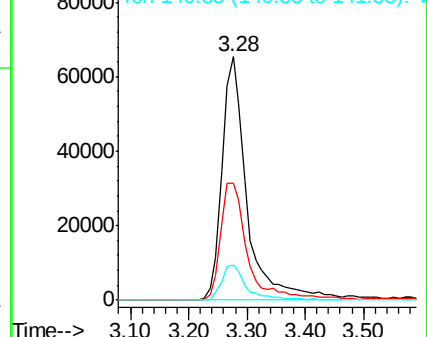
141 14.1 11.9 17.9

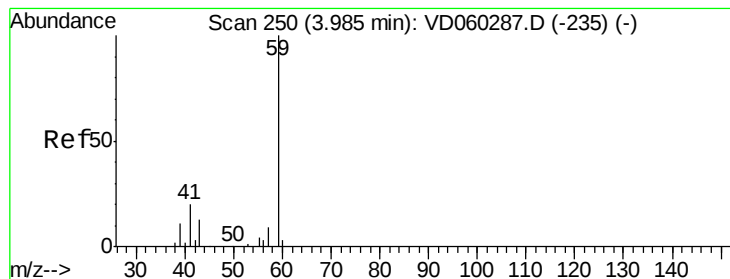


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



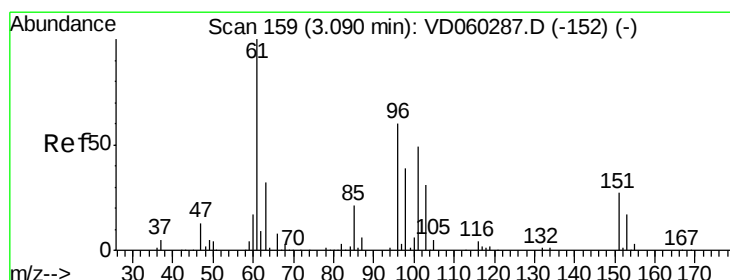
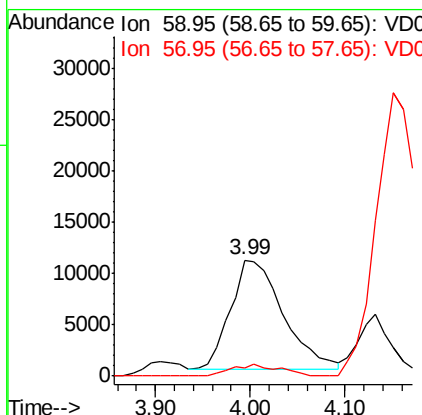
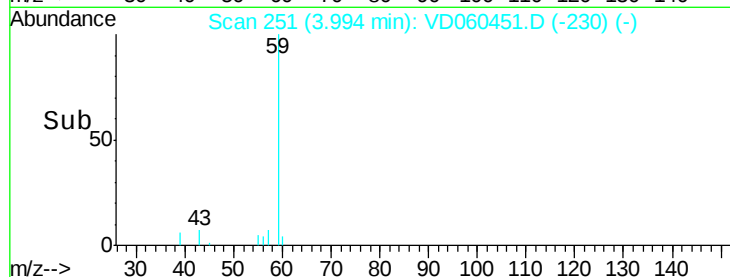
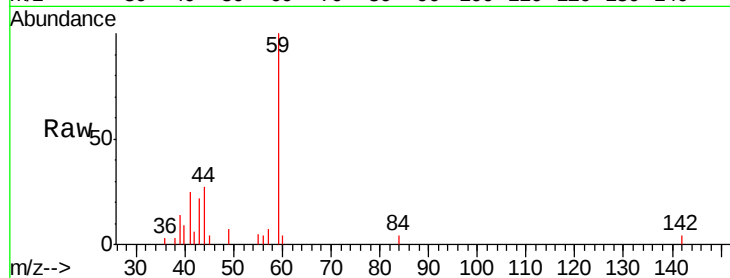


#11

Tert butyl alcohol
Concen: 104.51 ug/l
RT: 3.99 min Scan# 251
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

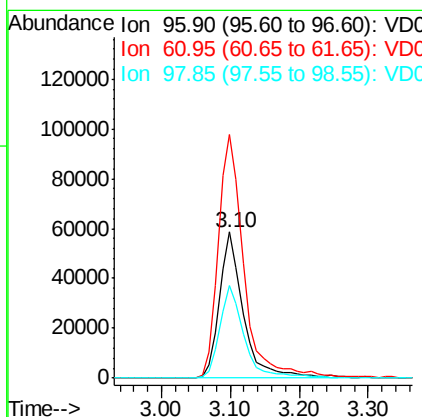
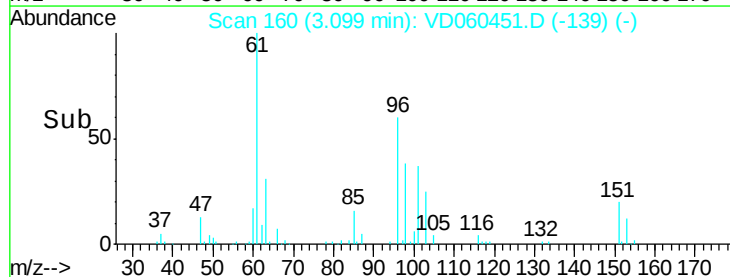
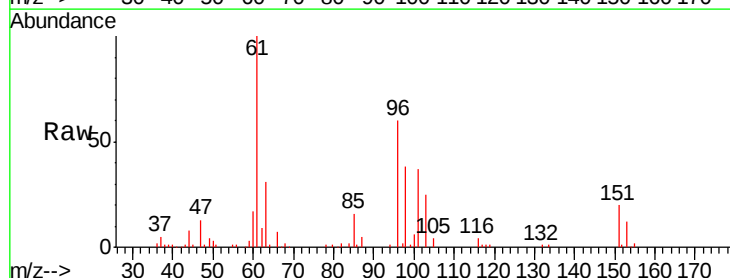
Tgt Ion: 59 Resp: 40682
Ion Ratio Lower Upper
59 100
57 7.0 9.3 13.9#

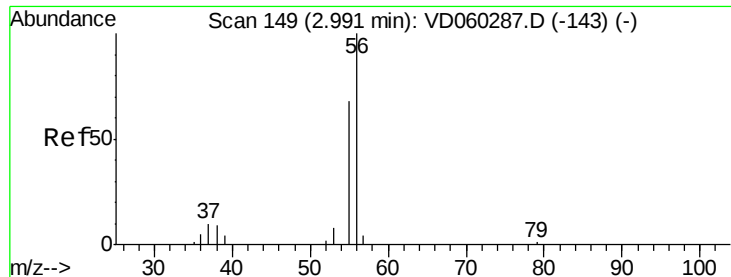


#12

1,1-Dichloroethene
Concen: 21.94 ug/l
RT: 3.10 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

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





#13

Acrolein

Concen: 67.47 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

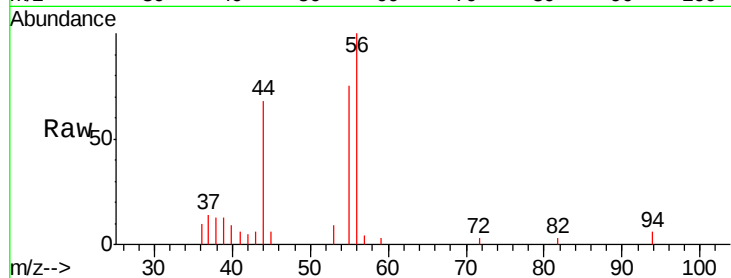
VD1126SBSD01

Tgt Ion: 56 Resp: 31031

Ion Ratio Lower Upper

56 100

55 74.7 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

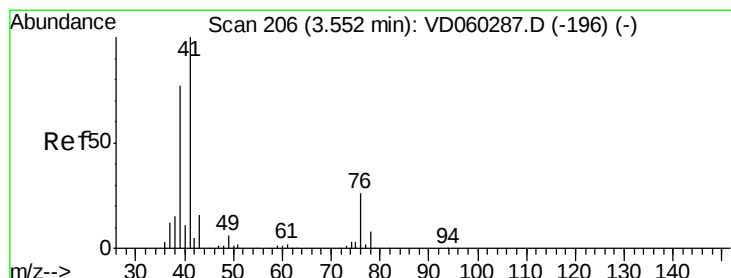
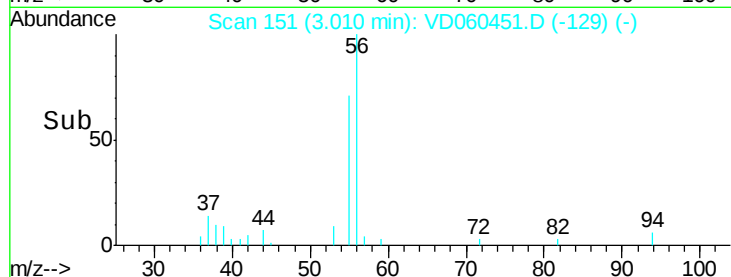
2000

0

Time-->

2.90 3.00 3.10

3.01



#14

Allyl chloride

Concen: 20.56 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

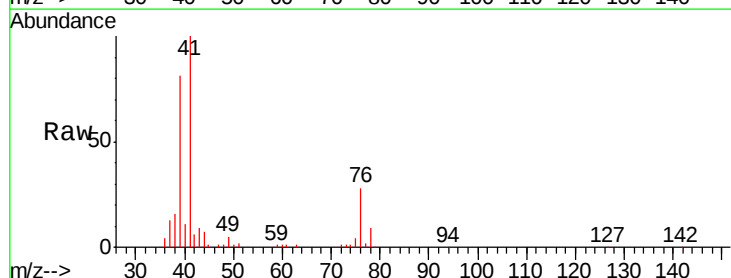
Tgt Ion: 41 Resp: 254155

Ion Ratio Lower Upper

41 100

39 80.8 60.4 90.6

76 27.9 21.8 32.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

120000

100000

80000

60000

40000

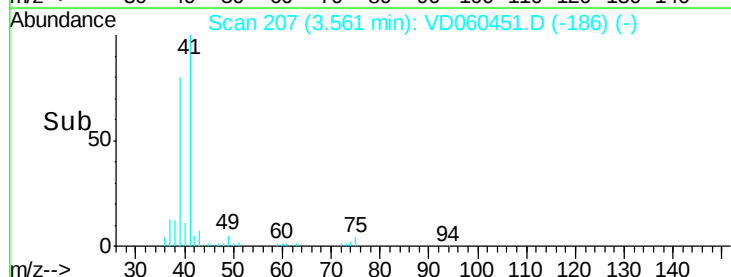
20000

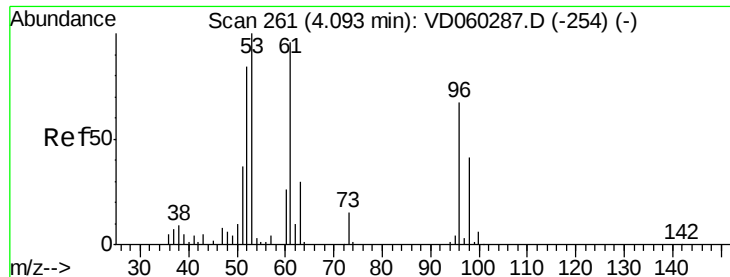
0

Time-->

3.50 3.55 3.60

3.56





#15

Acrylonitrile

Concen: 107.01 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.03 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

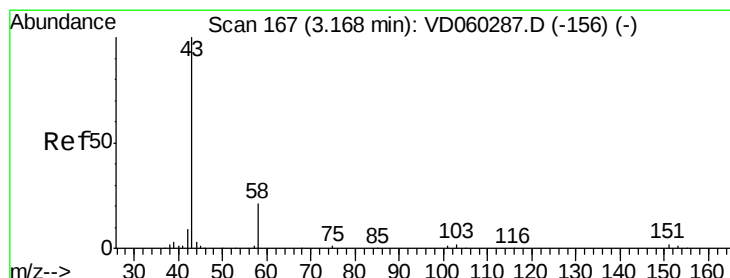
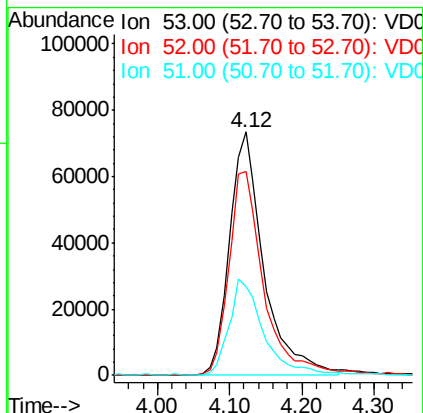
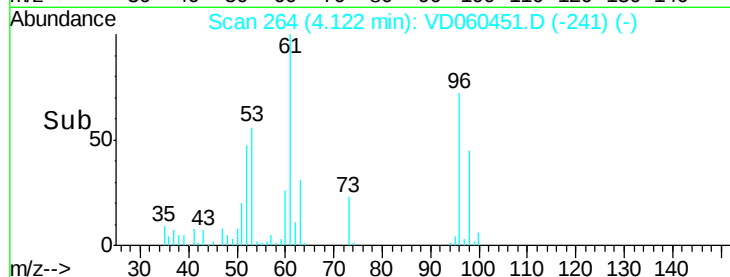
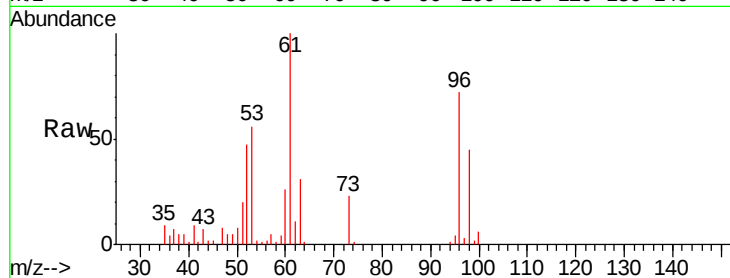
Tgt Ion: 53 Resp: 242898

Ion Ratio Lower Upper

53 100

52 83.7 67.0 100.4

51 36.6 29.9 44.9



#16

Acetone

Concen: 111.60 ug/l

RT: 3.19 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060451.D

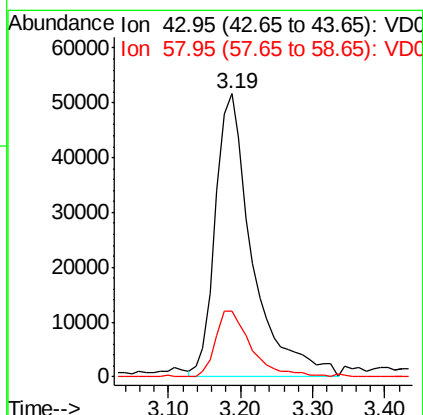
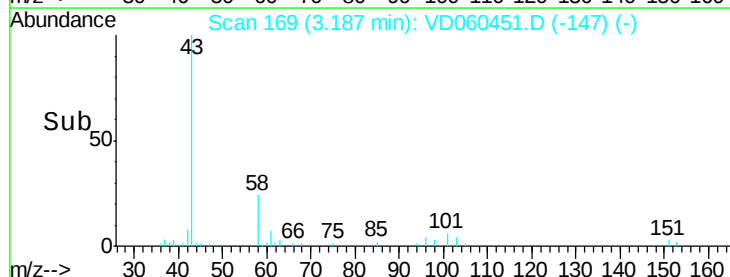
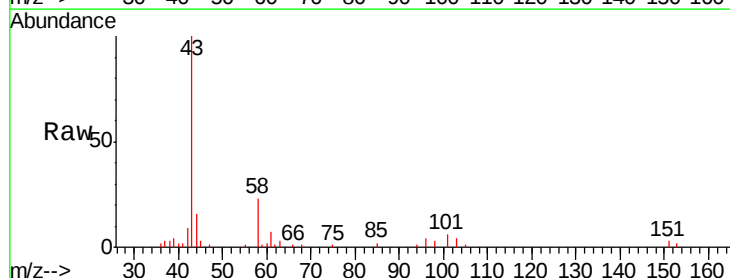
Acq: 26 Nov 2018 12:44

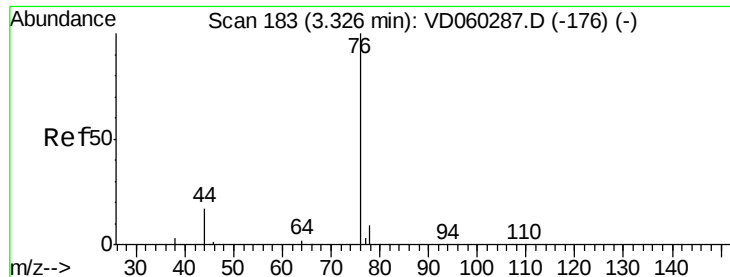
Tgt Ion: 43 Resp: 183497

Ion Ratio Lower Upper

43 100

58 23.2 16.9 25.3

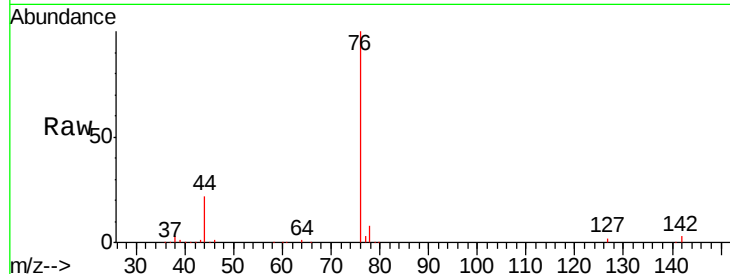




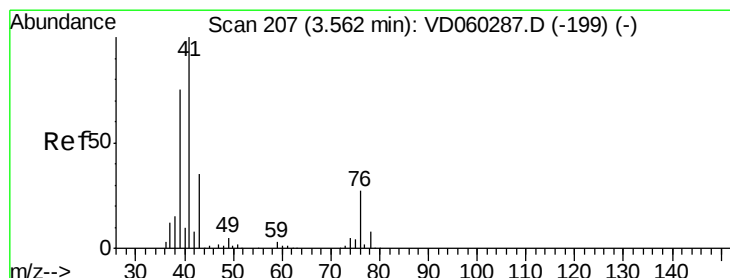
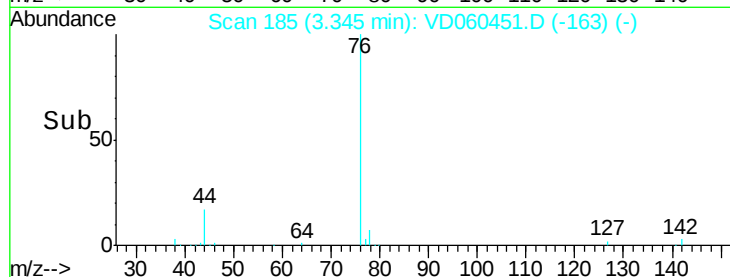
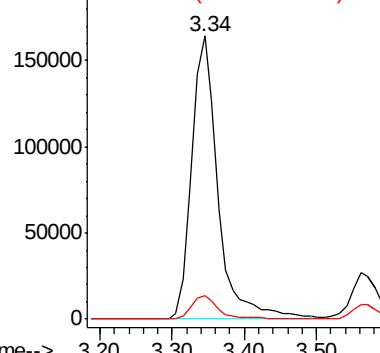
#17
Carbon Disulfide
Concen: 19.85 ug/l
RT: 3.34 min Scan# 185
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

Tgt Ion: 76 Resp: 413874
Ion Ratio Lower Upper
76 100
78 8.1 7.0 10.4

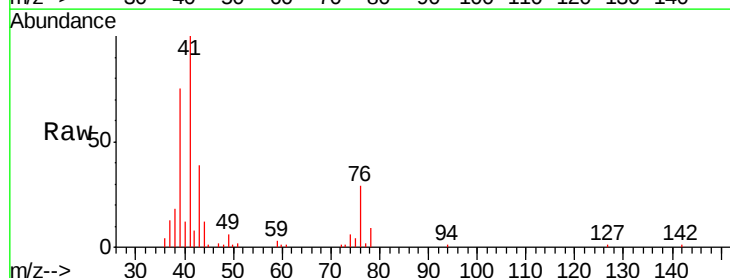


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

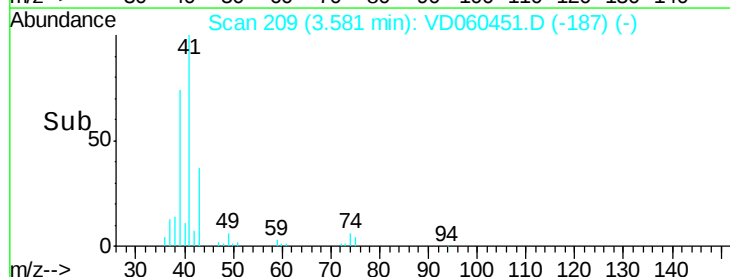
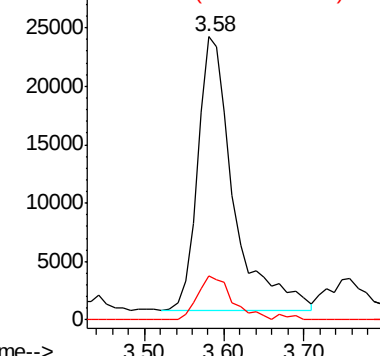


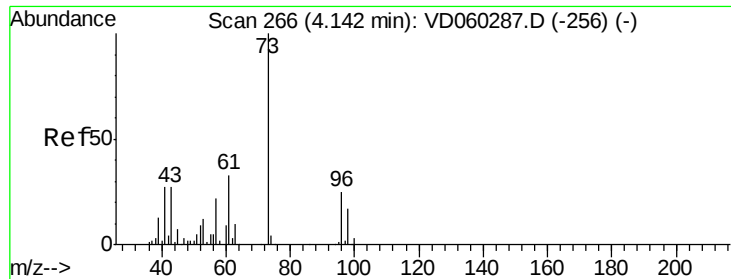
#18
Methyl Acetate
Concen: 20.83 ug/l
RT: 3.58 min Scan# 209
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion: 43 Resp: 73015
Ion Ratio Lower Upper
43 100
74 15.4 12.4 18.6



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

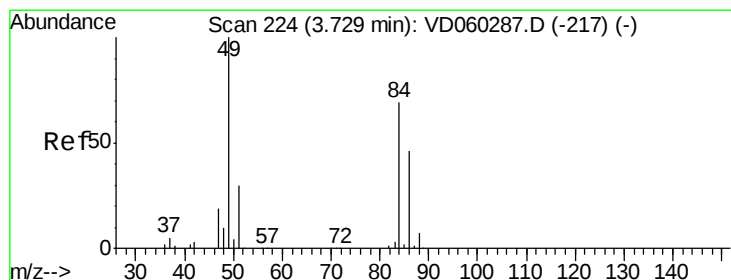
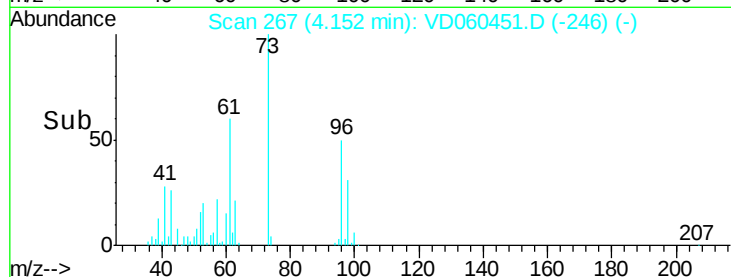
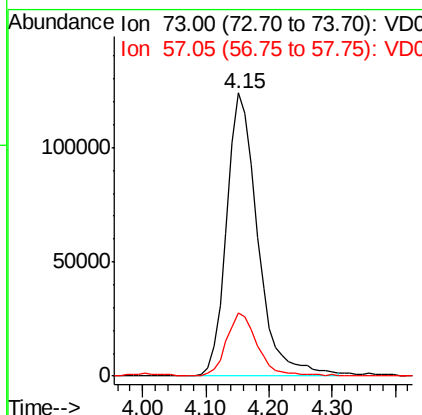
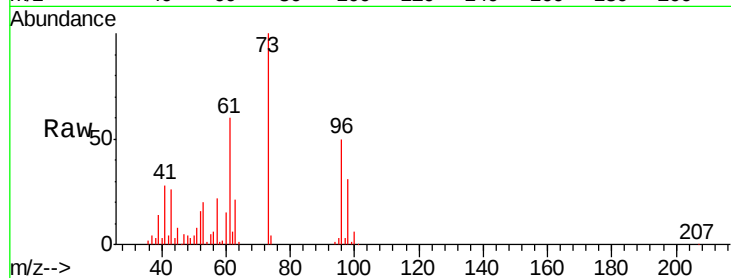




#19
Methyl tert-butyl Ether
Concen: 21.91 ug/l
RT: 4.15 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

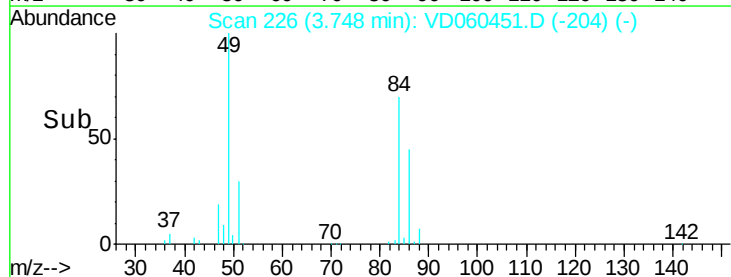
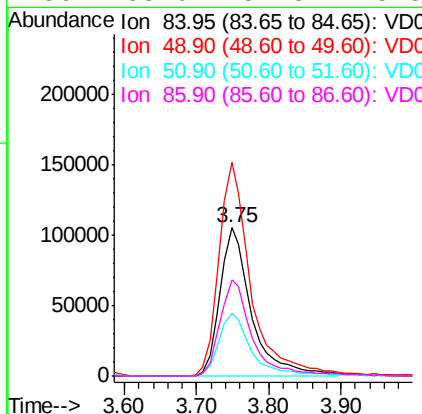
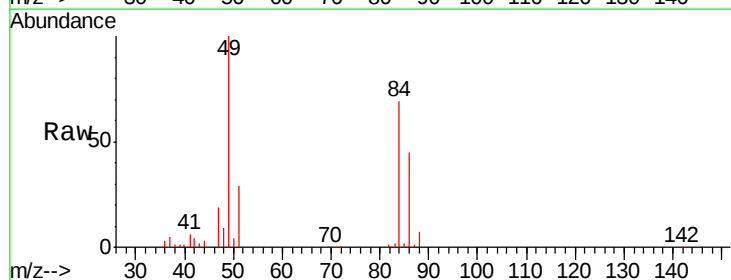
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

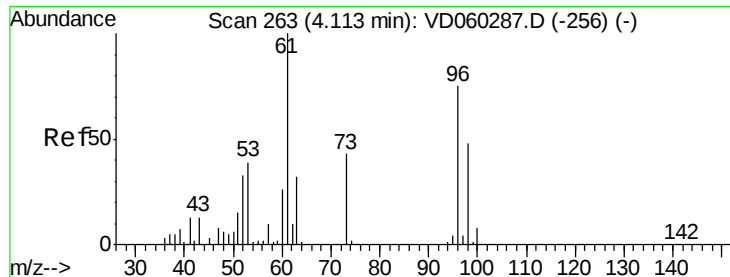
Tgt Ion: 73 Resp: 423802
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1



#20
Methylene Chloride
Concen: 21.77 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

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





#21

trans-1,2-Dichloroethene

Concen: 22.40 ug/l

RT: 4.13 min Scan# 265

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

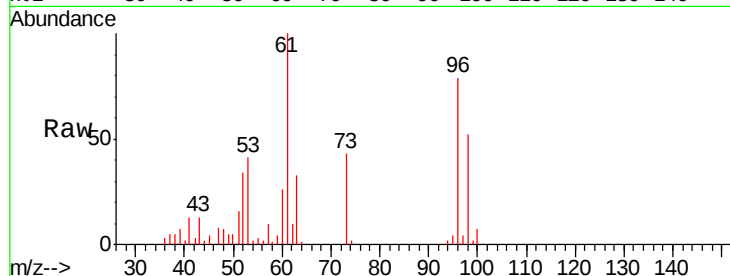
Tgt Ion: 96 Resp: 321319

Ion Ratio Lower Upper

96 100

61 126.6 105.8 158.6

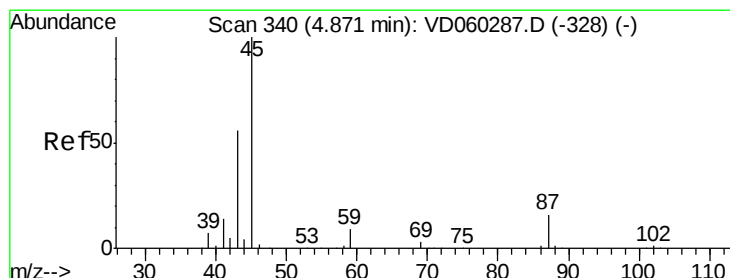
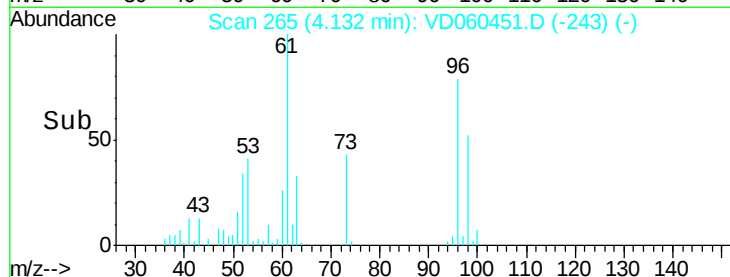
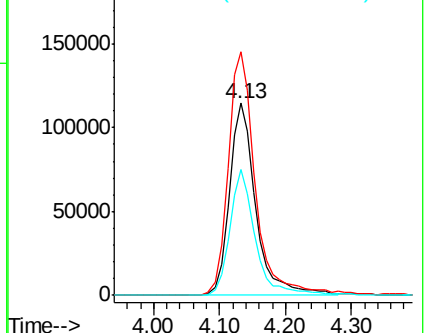
98 65.3 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.71 ug/l

RT: 4.89 min Scan# 342

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Tgt Ion: 45 Resp: 1002473

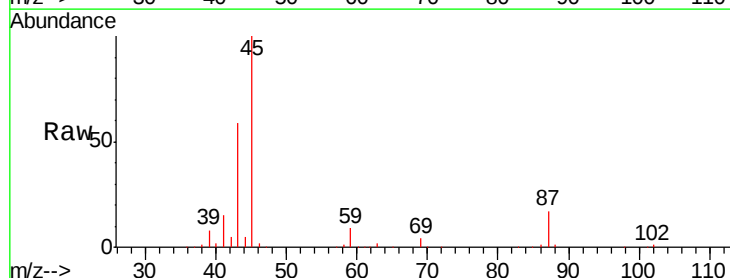
Ion Ratio Lower Upper

45 100

43 58.5 44.9 67.3

87 16.7 13.9 20.9

59 9.5 7.0 10.6

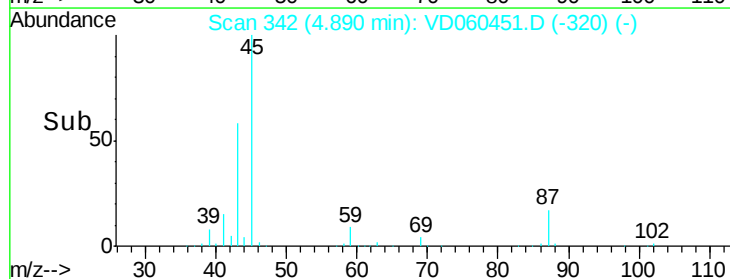
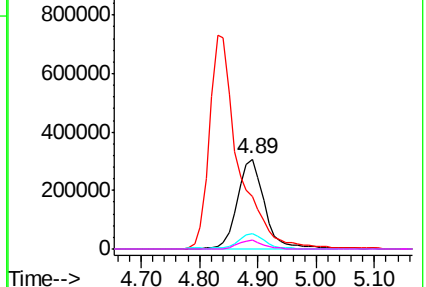


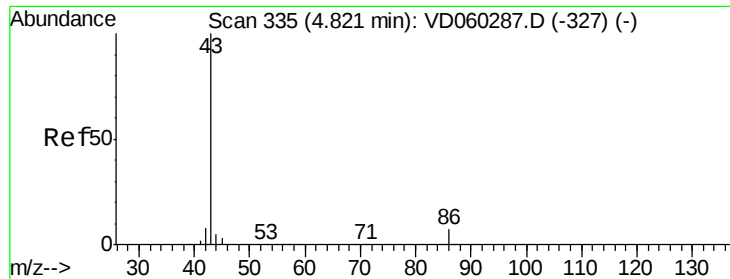
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 109.31 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

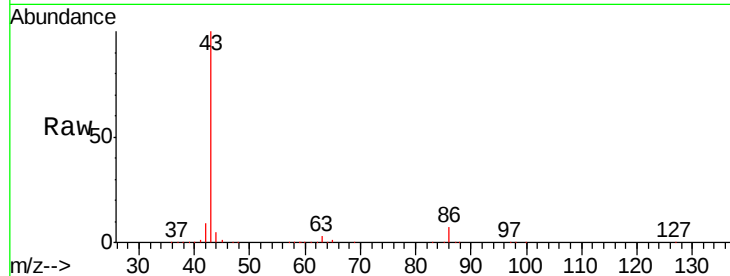
VD1126SBSD01

Tgt Ion: 43 Resp: 2511526

Ion Ratio Lower Upper

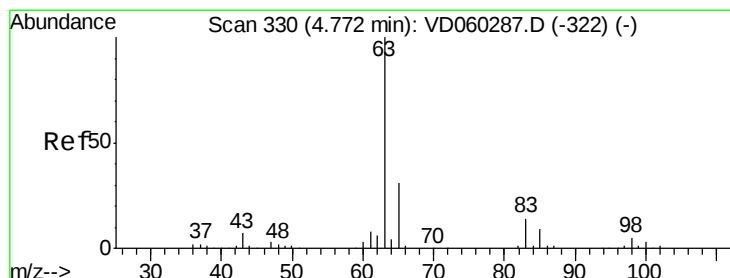
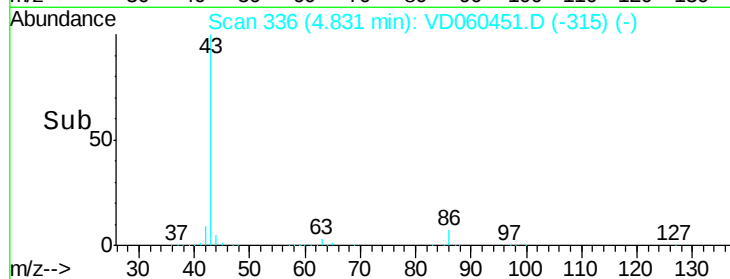
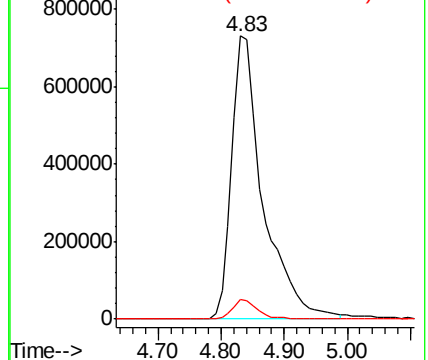
43 100

86 6.9 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.39 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

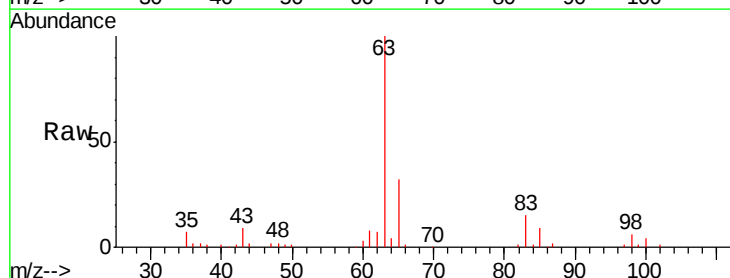
Tgt Ion: 63 Resp: 530185

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

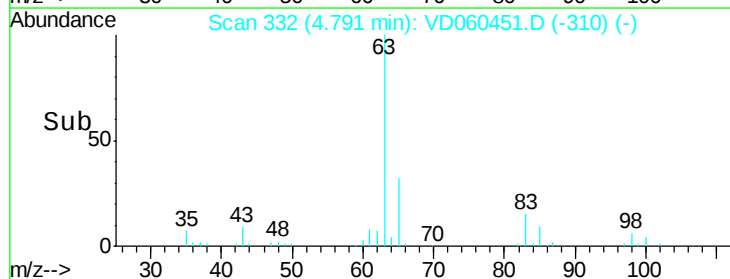
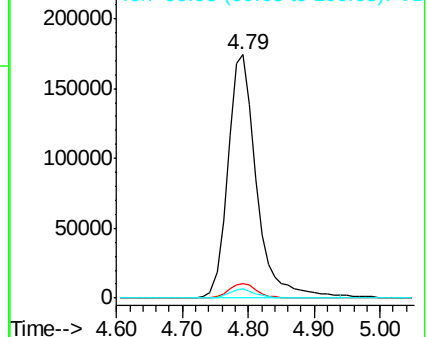
100 3.9 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 107.75 ug/l

RT: 5.65 min Scan# 419

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

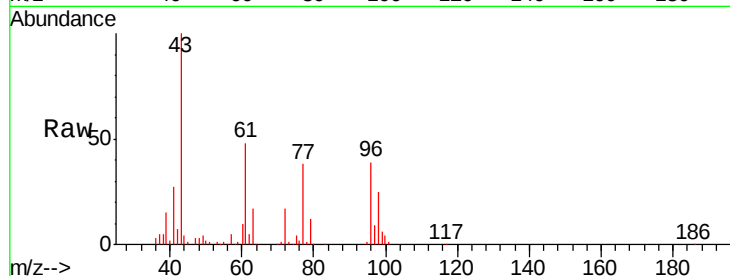
VD1126SBSD01

Tgt Ion: 43 Resp: 368266

Ion Ratio Lower Upper

43 100

72 16.8 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

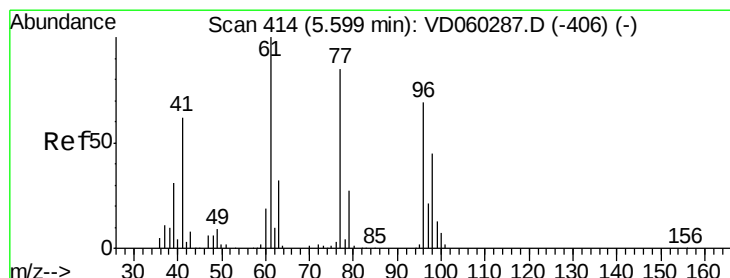
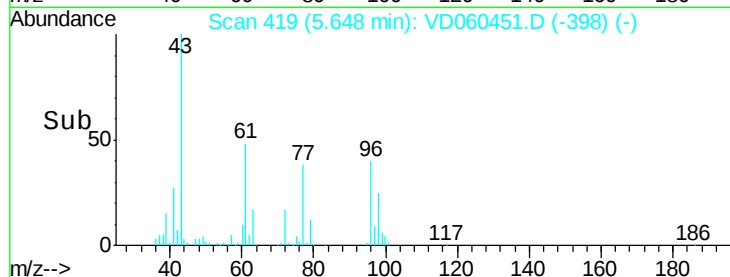
100000

50000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 22.80 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060451.D

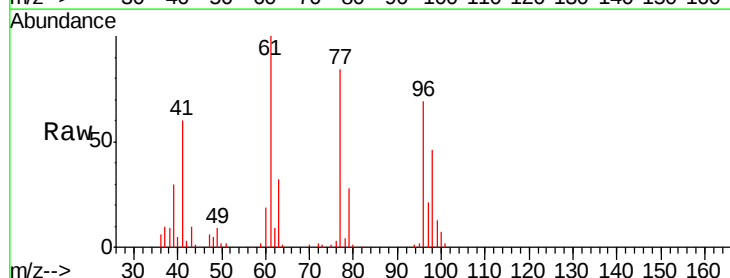
Acq: 26 Nov 2018 12:44

Tgt Ion: 77 Resp: 419738

Ion Ratio Lower Upper

77 100

97 24.9 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

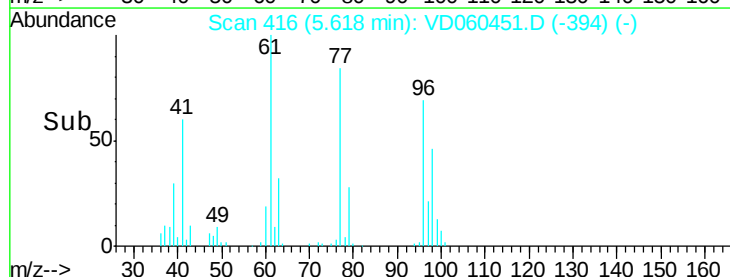
100000

50000

0

5.50 5.60 5.70 5.80

Time-->





#27

cis-1,2-Dichloroethene

Concen: 22.05 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

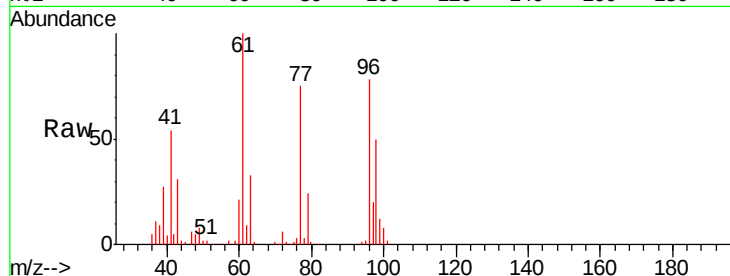
Tgt Ion: 96 Resp: 329517

Ion Ratio Lower Upper

96 100

61 128.6 0.0 259.0

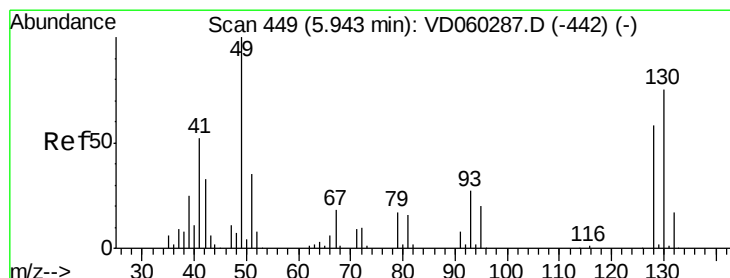
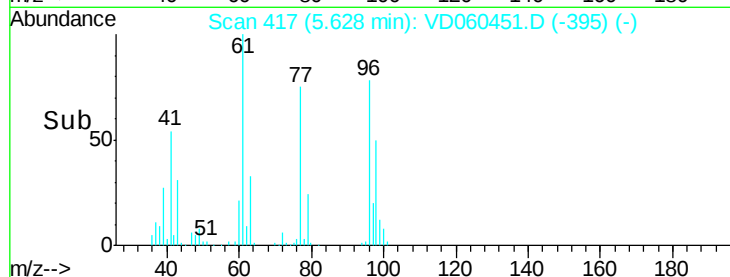
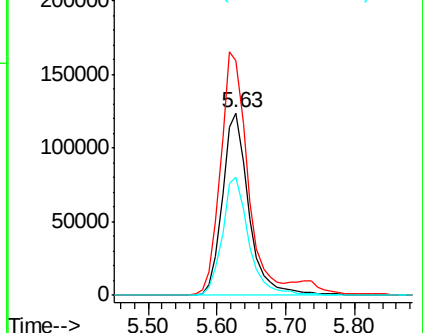
98 64.6 0.0 128.8



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: 20.69 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

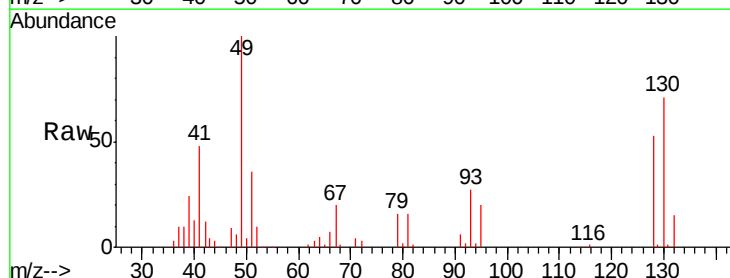
Tgt Ion: 49 Resp: 216138

Ion Ratio Lower Upper

49 100

129 1.4 0.0 2.8

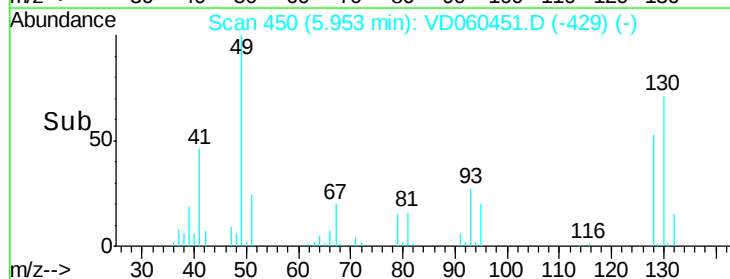
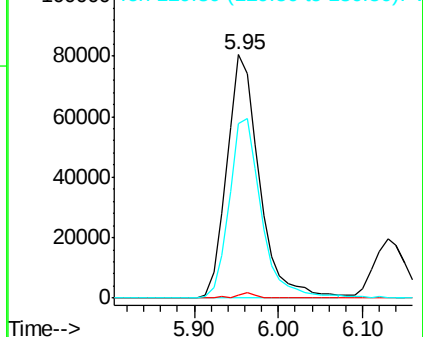
130 71.4 53.6 80.4

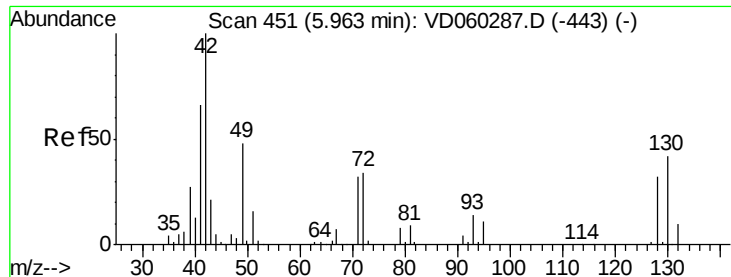


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC

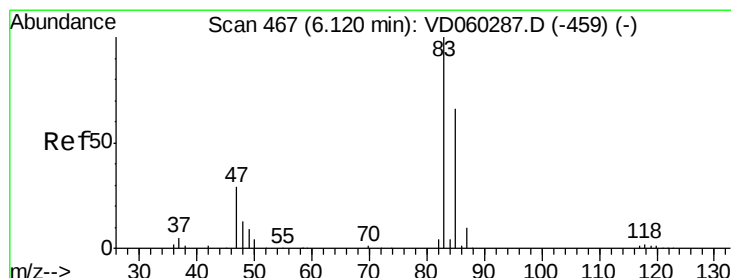
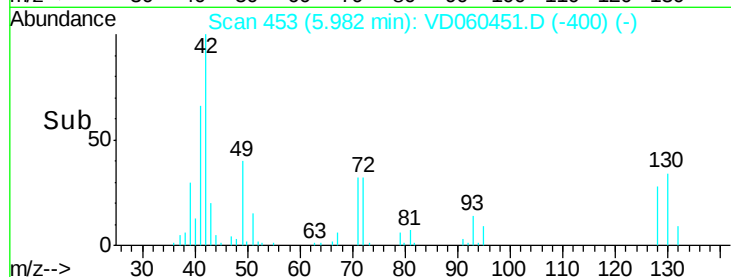
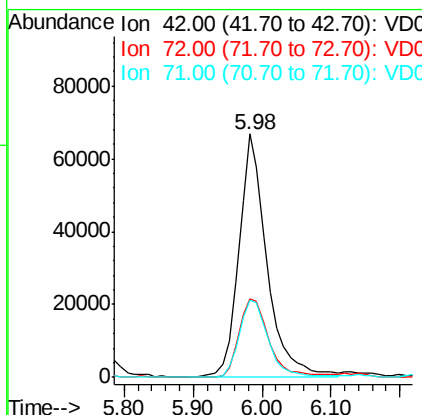
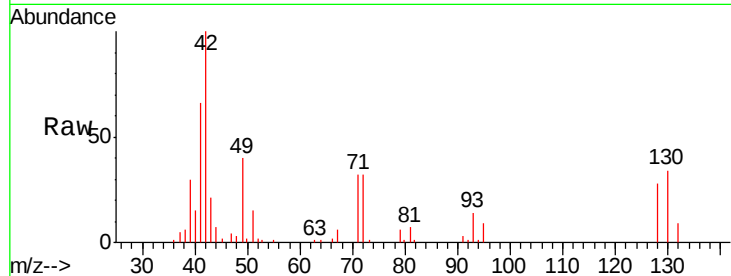




#29
Tetrahydrofuran
Concen: 104.34 ug/l
RT: 5.98 min Scan# 453
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

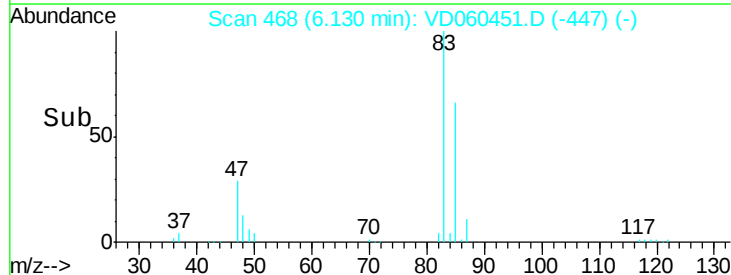
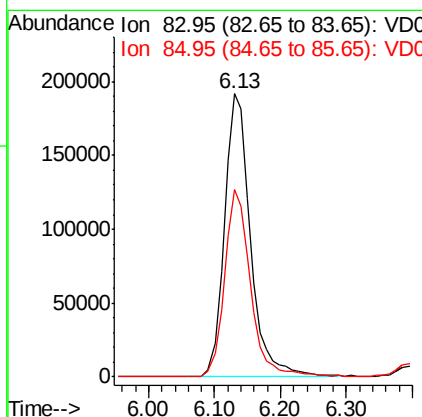
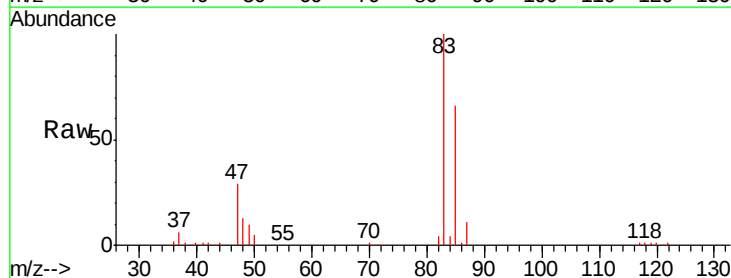
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

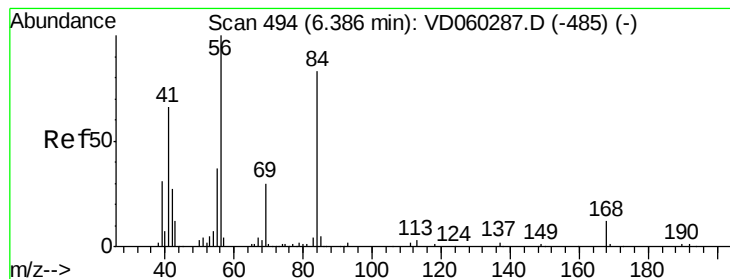
Tgt Ion: 42 Resp: 188017
Ion Ratio Lower Upper
42 100
72 34.3 27.6 41.4
71 33.1 26.5 39.7



#30
Chloroform
Concen: 22.37 ug/l
RT: 6.13 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion: 83 Resp: 529554
Ion Ratio Lower Upper
83 100
85 66.3 52.5 78.7





#31

Cyclohexane

Concen: 21.07 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

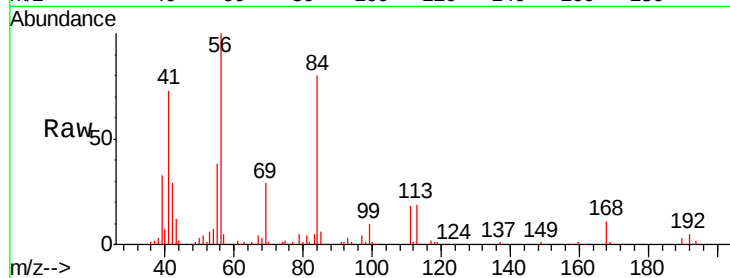
Tgt Ion: 56 Resp: 476914

Ion Ratio Lower Upper

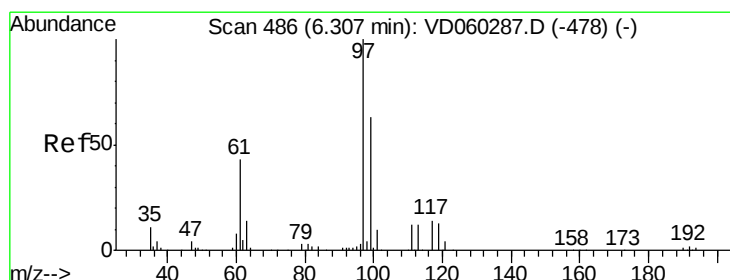
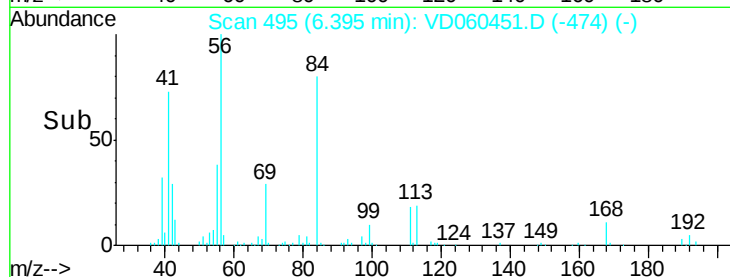
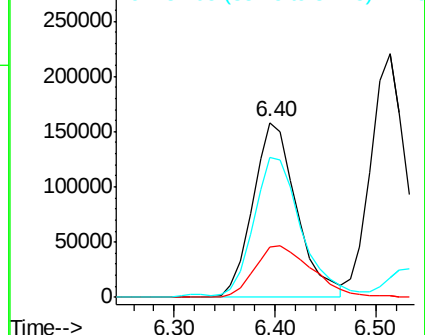
56 100

69 28.8 22.2 33.2

84 80.3 63.0 94.4



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



#32

1,1,1-Trichloroethane

Concen: 22.50 ug/l

RT: 6.33 min Scan# 488

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

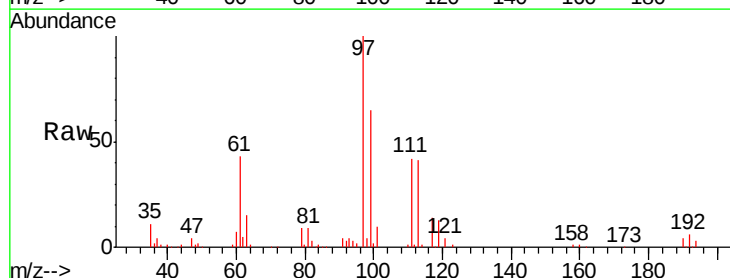
Tgt Ion: 97 Resp: 448727

Ion Ratio Lower Upper

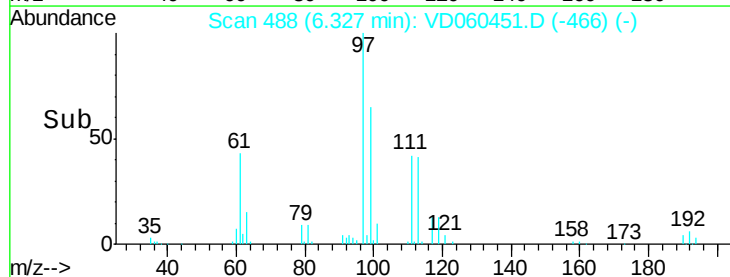
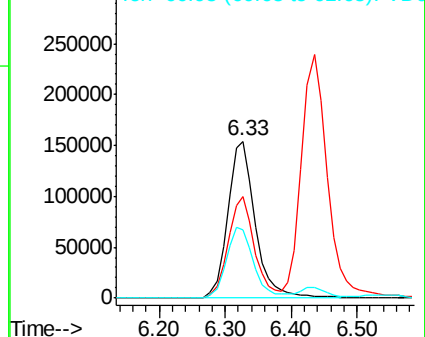
97 100

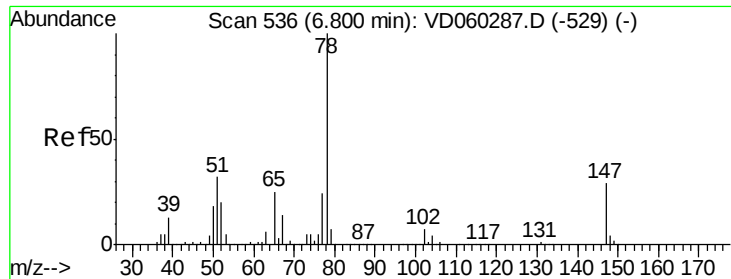
99 64.8 51.5 77.3

61 43.4 35.8 53.8



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





#33

1,2-Dichloroethane-d4

Concen: 22.50 ug/l

RT: 6.82 min Scan# 538

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

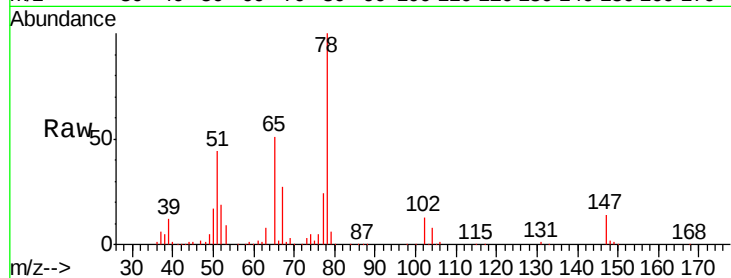
VD1126SBSD01

Tgt Ion: 65 Resp: 479315

Ion Ratio Lower Upper

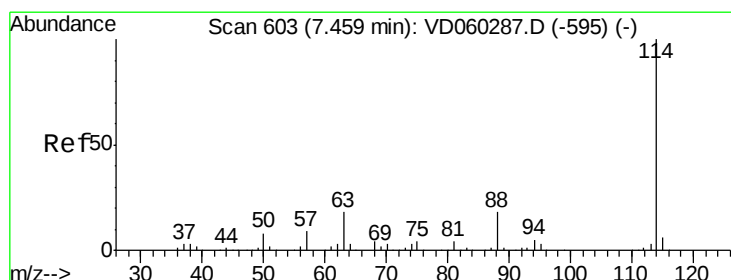
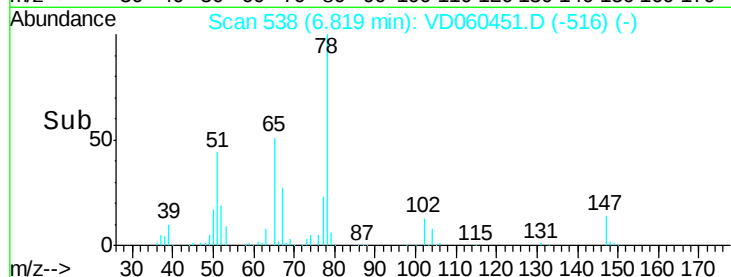
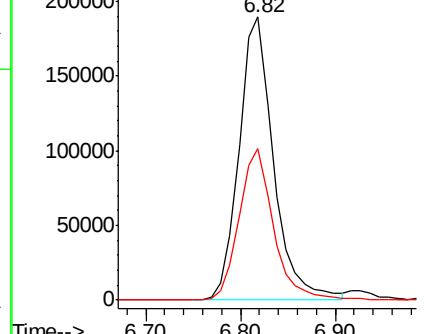
65 100

67 53.6 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

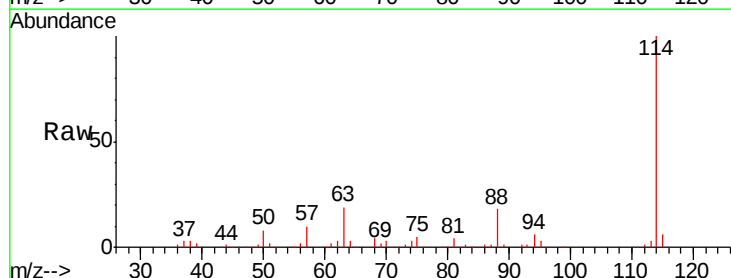
Tgt Ion: 114 Resp: 1854215

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.0

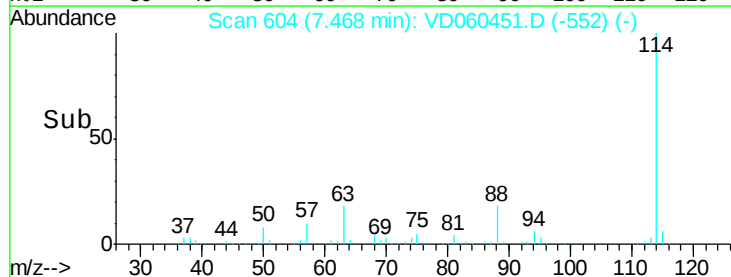
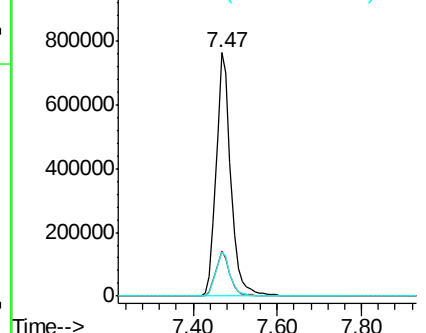
88 18.1 0.0 35.4

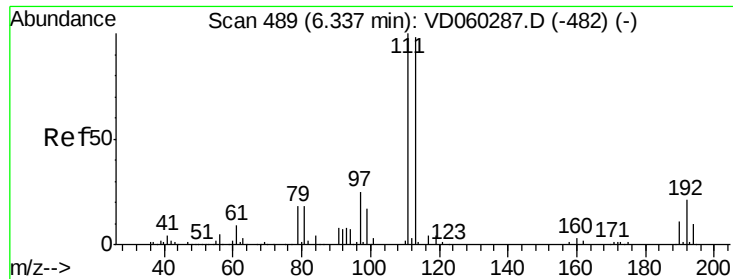


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

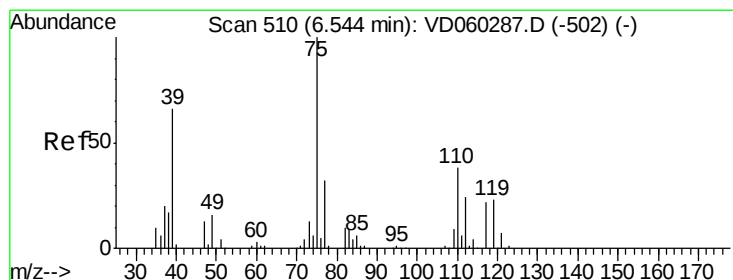
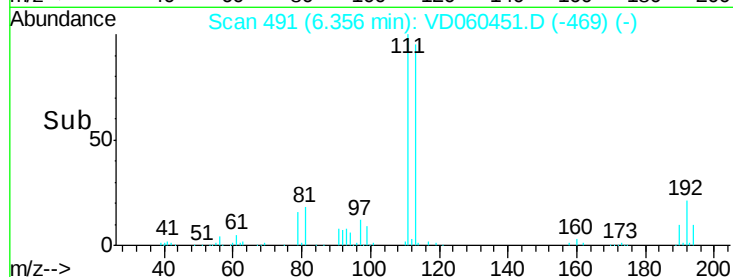
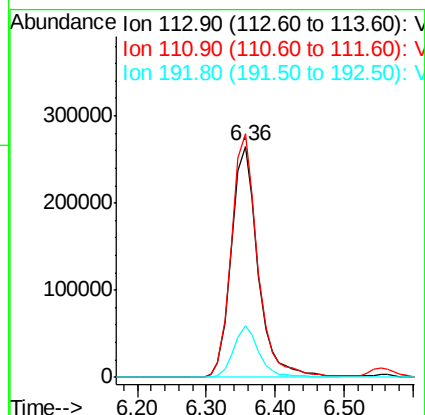
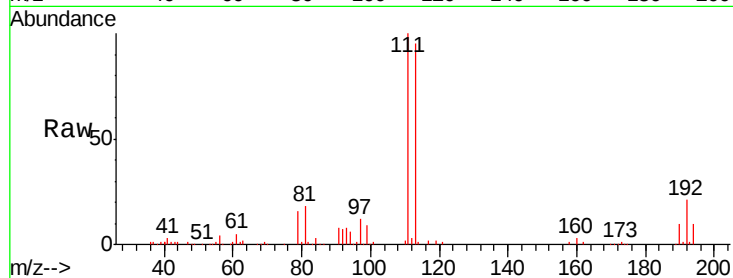




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.36 min Scan# 491
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

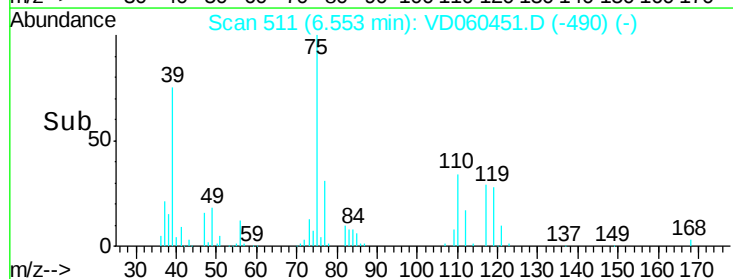
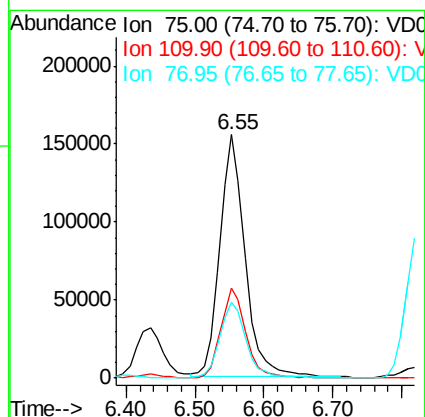
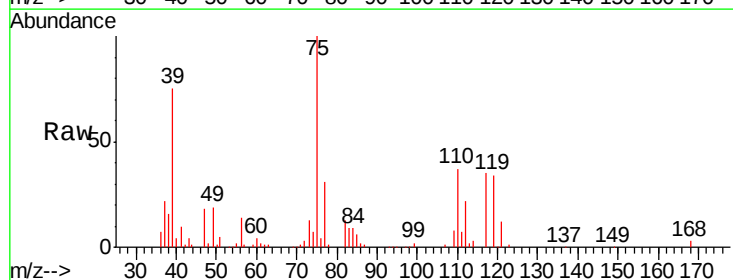
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

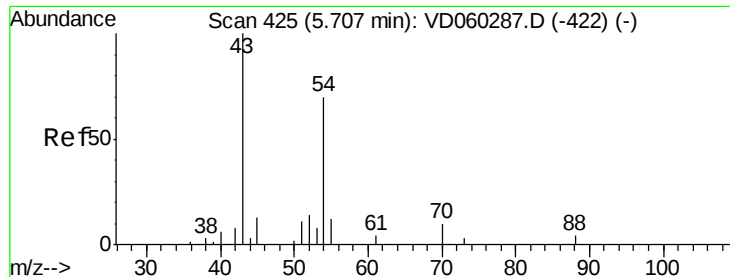
Tgt Ion:113 Resp: 713292
Ion Ratio Lower Upper
113 100
111 105.4 81.6 122.4
192 22.4 16.5 24.7



#36
1,1-Dichloropropene
Concen: 21.37 ug/l
RT: 6.55 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion: 75 Resp: 391554
Ion Ratio Lower Upper
75 100
110 36.7 18.0 54.0
77 30.9 25.6 38.4

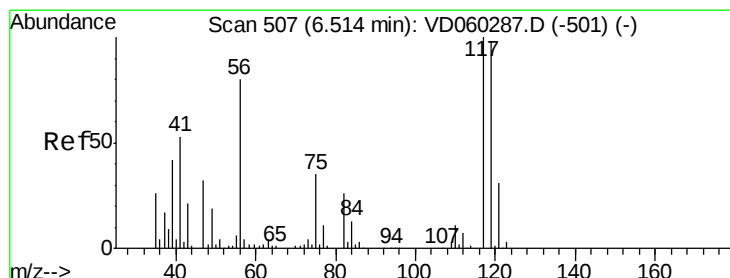
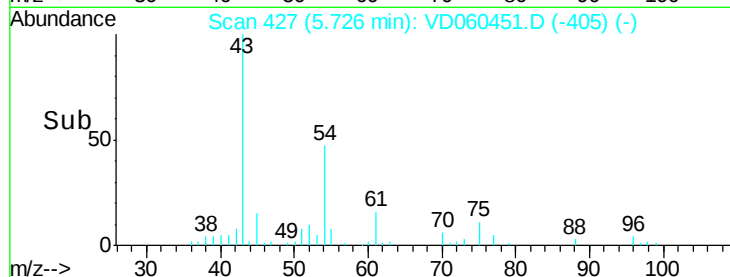
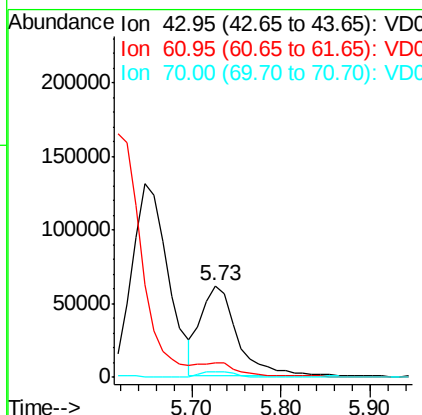
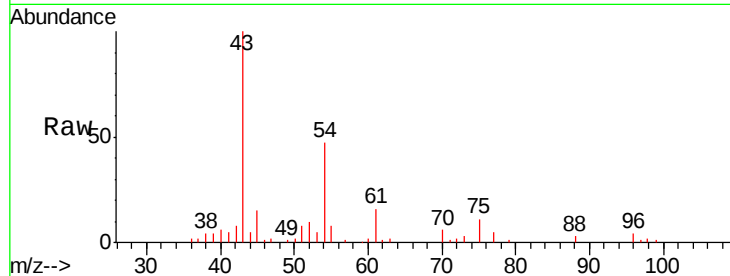




#37
Ethyl Acetate
Concen: 20.71 ug/l
RT: 5.73 min Scan# 427
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

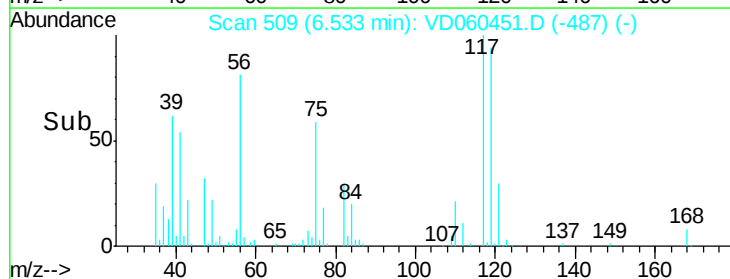
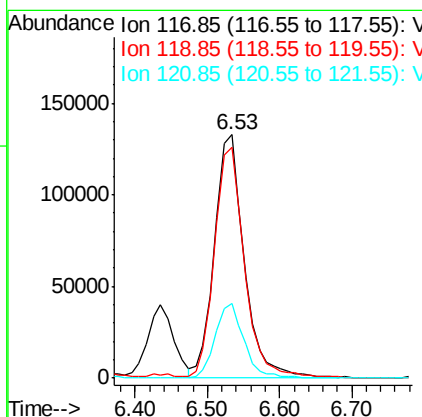
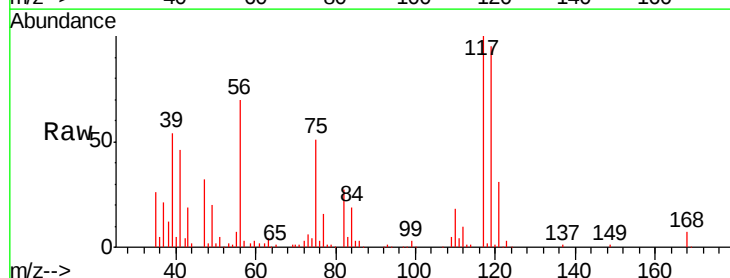
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

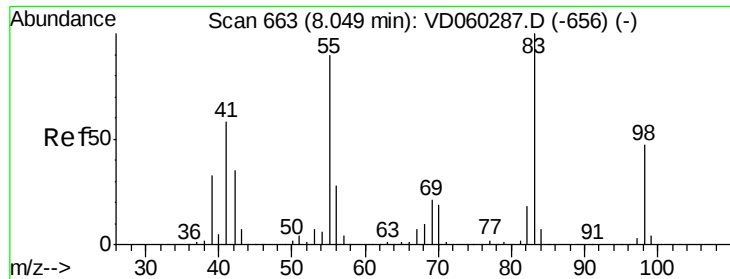
Tgt Ion: 43 Resp: 174618
Ion Ratio Lower Upper
43 100
61 16.4 11.8 17.6
70 6.0 6.2 9.4#



#38
Carbon Tetrachloride
Concen: 22.02 ug/l
RT: 6.53 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion: 117 Resp: 374199
Ion Ratio Lower Upper
117 100
119 94.9 76.6 115.0
121 30.8 24.3 36.5

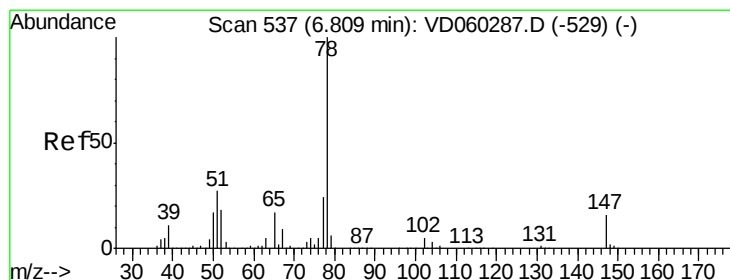
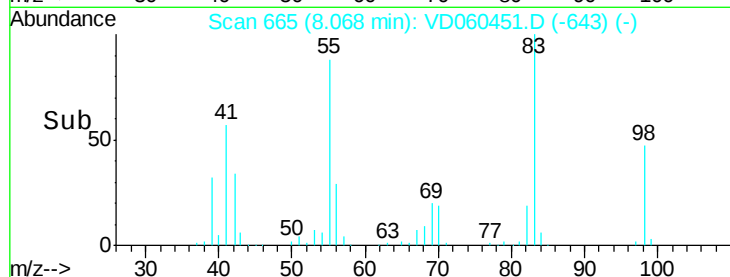
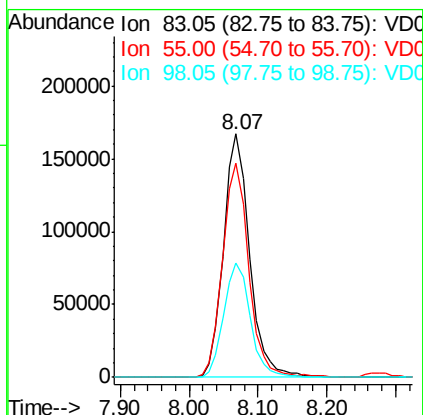
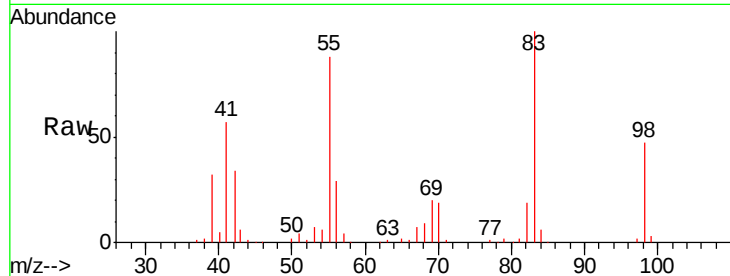




#39
Methylcyclohexane
Concen: 20.83 ug/l
RT: 8.07 min Scan# 665
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

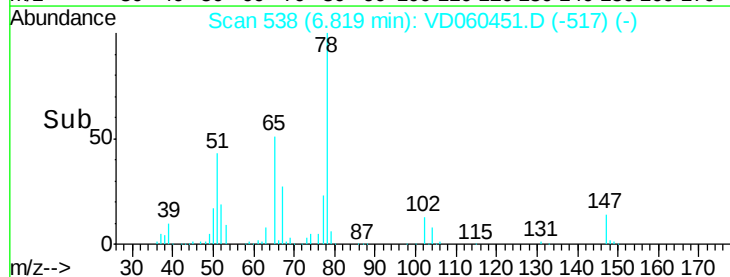
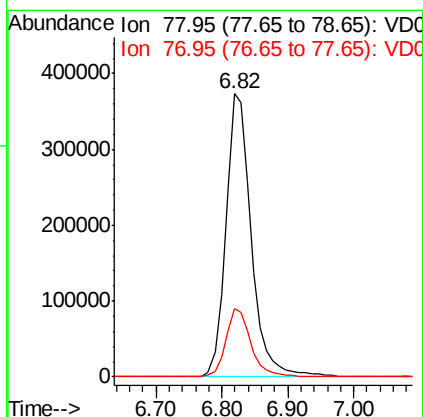
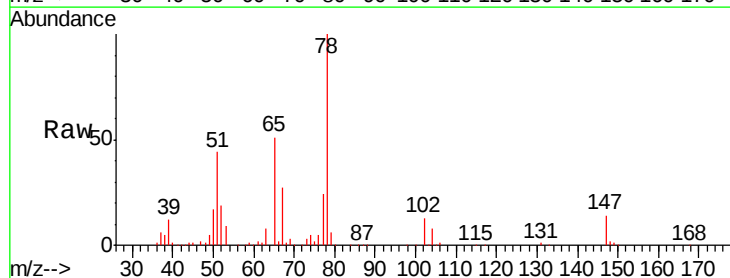
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

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



#40
Benzene
Concen: 21.49 ug/l
RT: 6.82 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

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

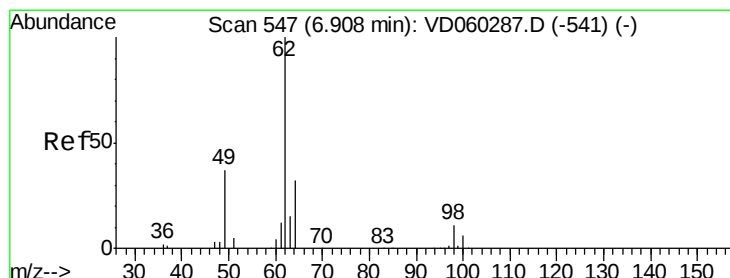
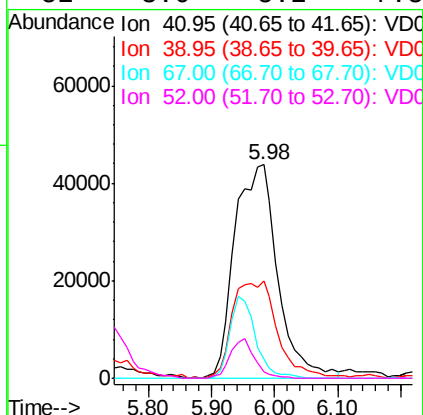
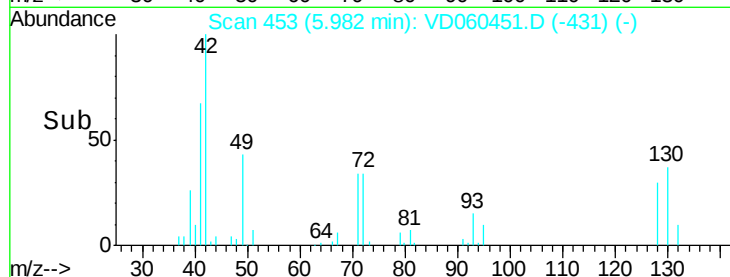
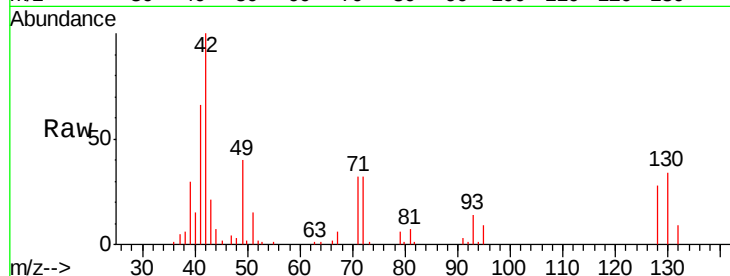




#41
Methacrylonitrile
Concen: 21.43 ug/l
RT: 5.98 min Scan# 453
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

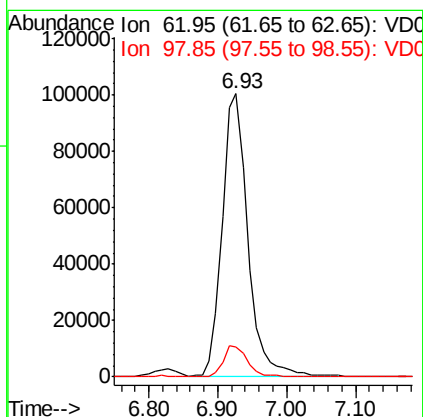
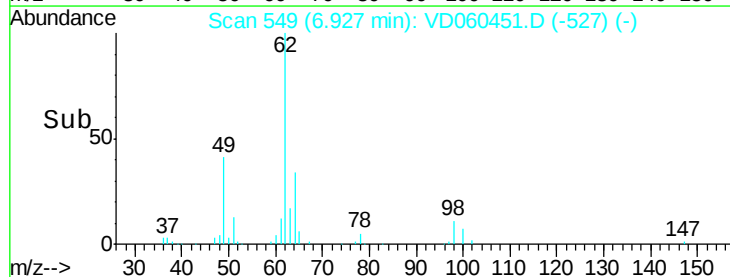
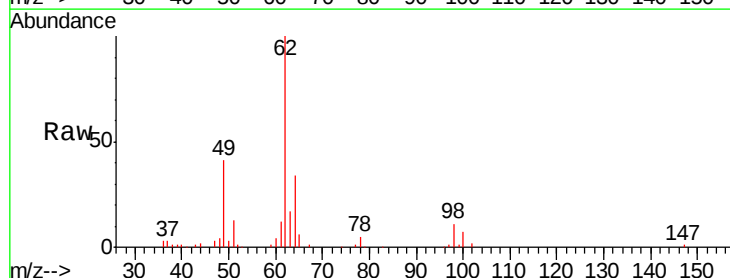
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

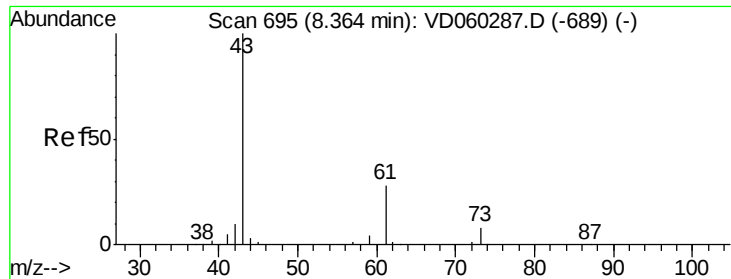
Tgt Ion: 41 Resp: 206757
Ion Ratio Lower Upper
41 100
39 45.7 36.2 54.2
67 8.8 11.9 17.9#
52 3.0 5.2 7.8#



#42
1,2-Dichloroethane
Concen: 21.04 ug/l
RT: 6.93 min Scan# 549
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

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





#43

Isopropyl Acetate

Concen: 20.32 ug/l

RT: 8.37 min Scan# 696

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

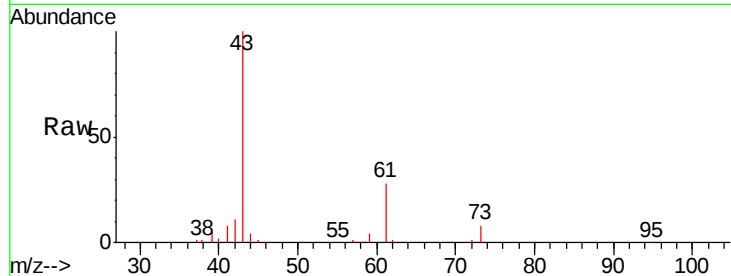
Tgt Ion: 43 Resp: 215190

Ion Ratio Lower Upper

43 100

61 28.1 22.3 33.5

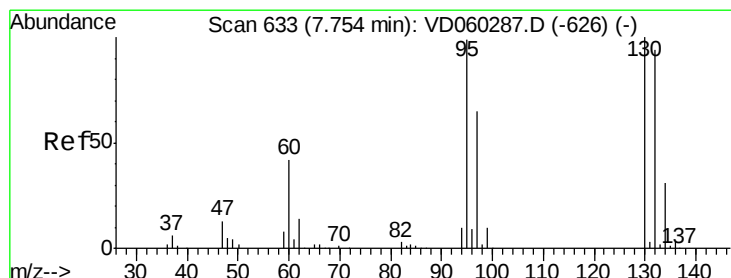
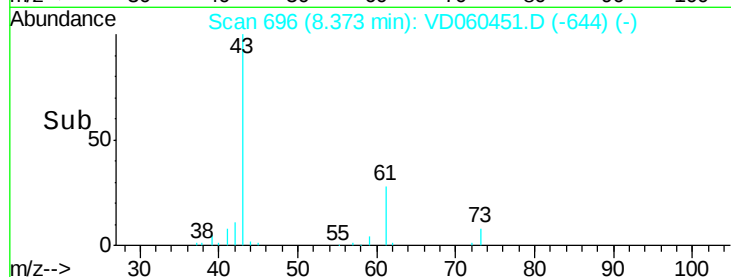
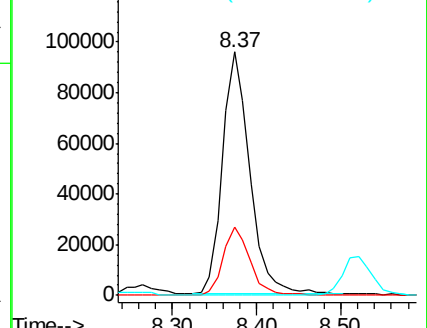
87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.18 ug/l

RT: 7.77 min Scan# 635

Delta R.T. 0.02 min

Lab File: VD060451.D

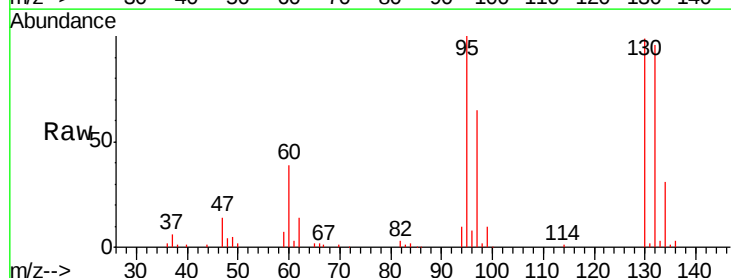
Acq: 26 Nov 2018 12:44

Tgt Ion: 130 Resp: 314348

Ion Ratio Lower Upper

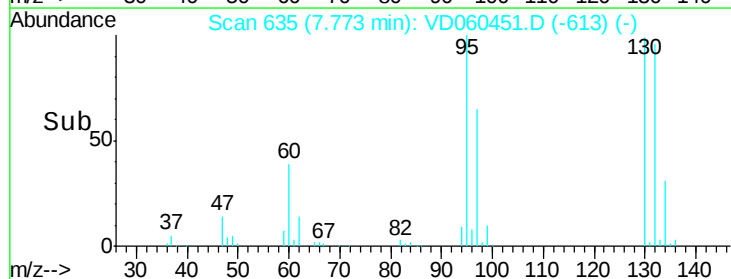
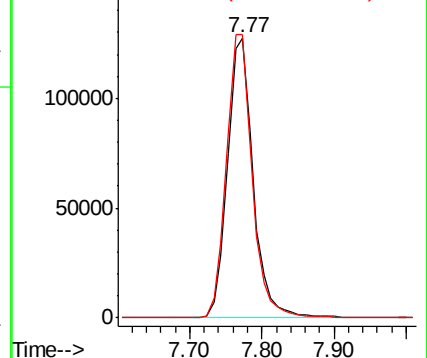
130 100

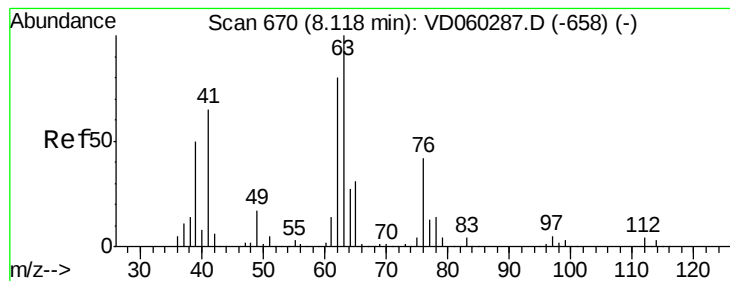
95 101.1 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.13 ug/l

RT: 8.13 min Scan# 671

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

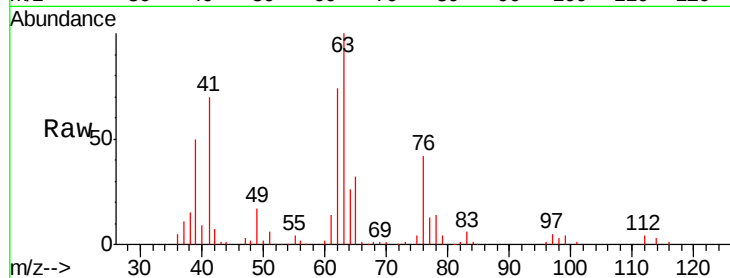
VD1126SBS01

Tgt Ion: 63 Resp: 260975

Ion Ratio Lower Upper

63 100

65 32.3 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.13

120000

100000

80000

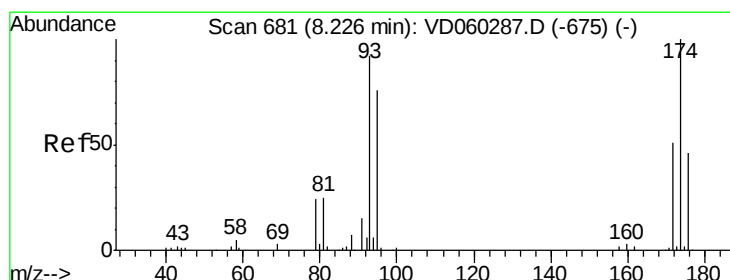
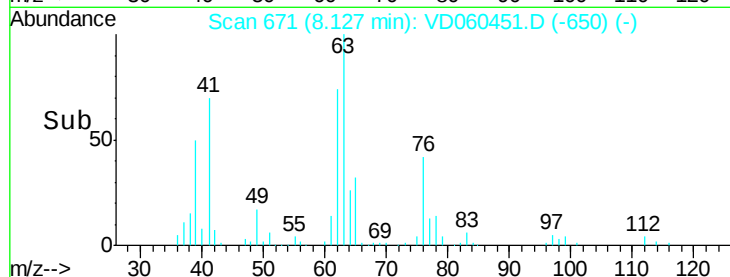
60000

40000

20000

0

Time--> 7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 21.58 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

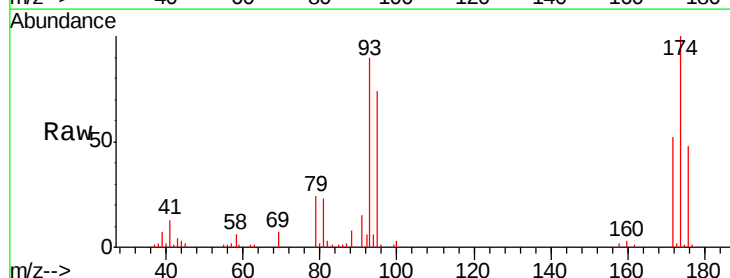
Tgt Ion: 93 Resp: 149046

Ion Ratio Lower Upper

93 100

95 81.4 66.4 99.6

174 110.6 87.8 131.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

100000

80000

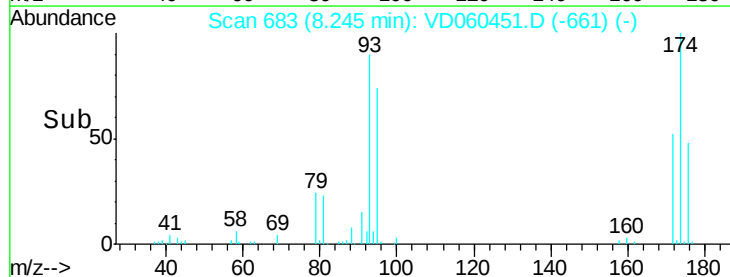
60000

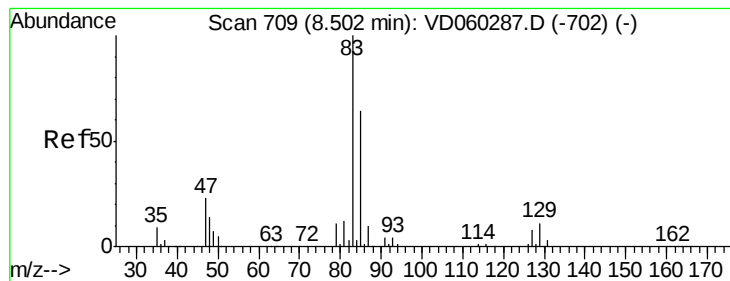
40000

20000

0

Time--> 8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 21.73 ug/l

RT: 8.52 min Scan# 711

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

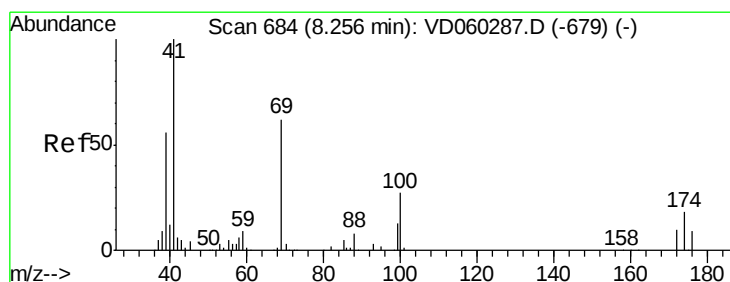
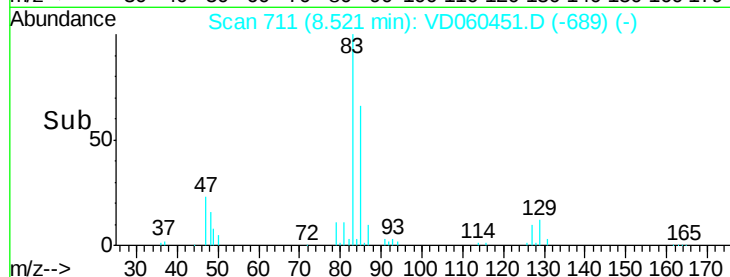
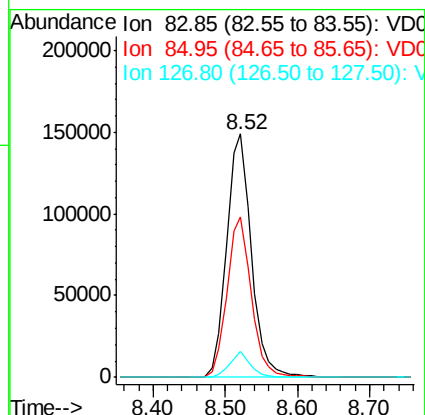
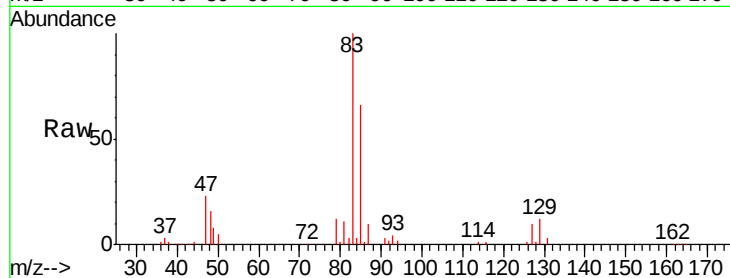
Tgt Ion: 83 Resp: 353670

Ion Ratio Lower Upper

83 100

85 66.1 51.0 76.6

127 10.5 6.2 9.4#



#48

Methyl methacrylate

Concen: 20.36 ug/l

RT: 8.28 min Scan# 686

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

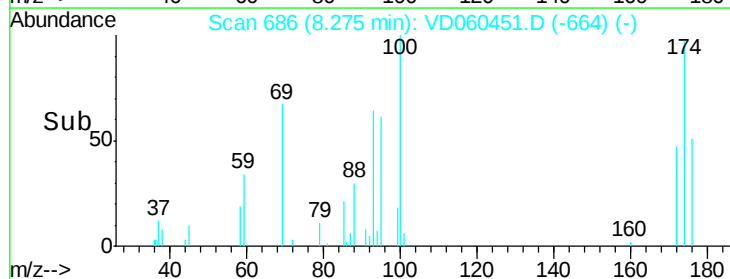
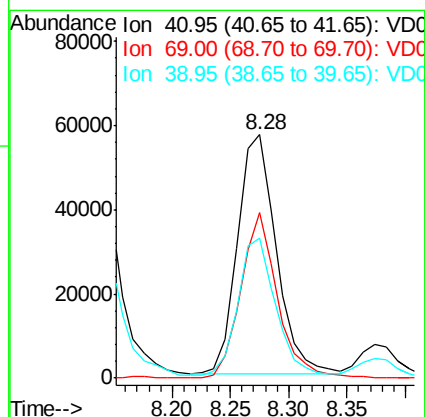
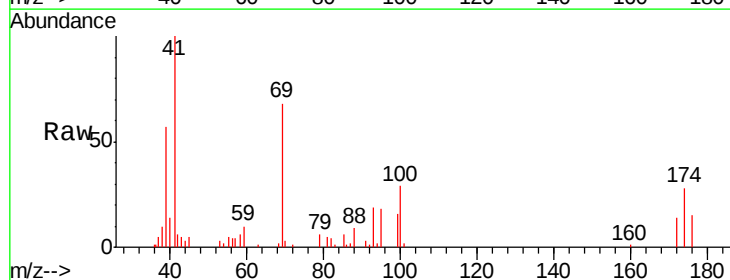
Tgt Ion: 41 Resp: 130974

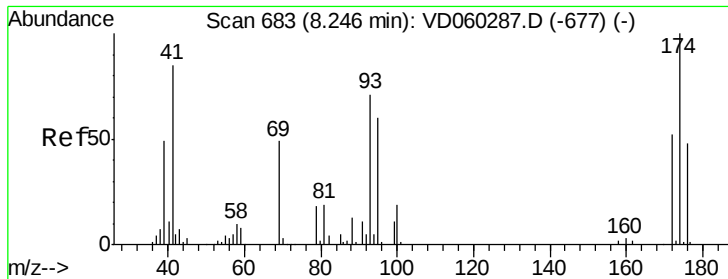
Ion Ratio Lower Upper

41 100

69 67.8 47.0 70.4

39 57.3 46.2 69.4





#49

1,4-Dioxane

Concen: 442.82 ug/l

RT: 8.26 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

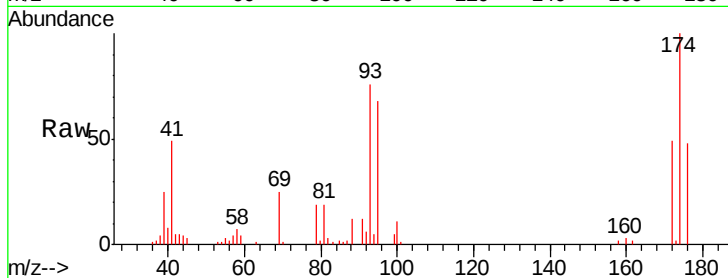
Tgt Ion: 88 Resp: 24643

Ion Ratio Lower Upper

88 100

43 38.7 39.7 59.5#

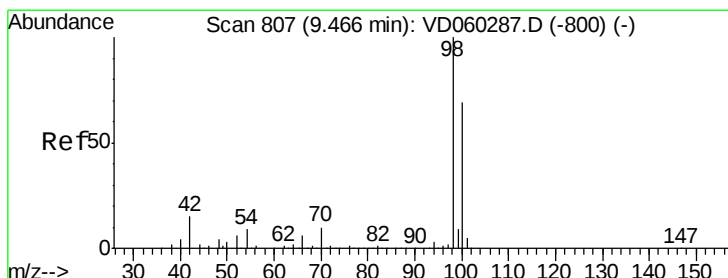
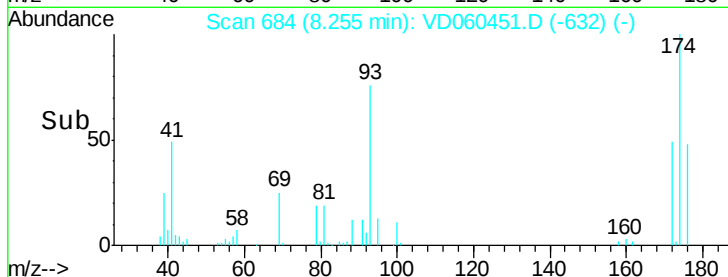
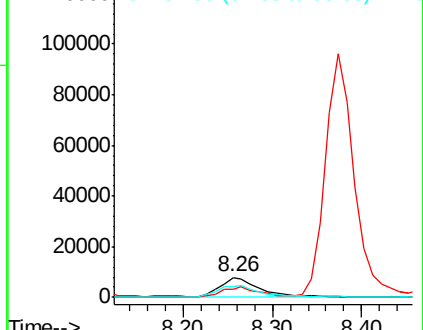
58 55.0 60.2 90.2#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 442.82 ug/l

RT: 9.49 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD060451.D

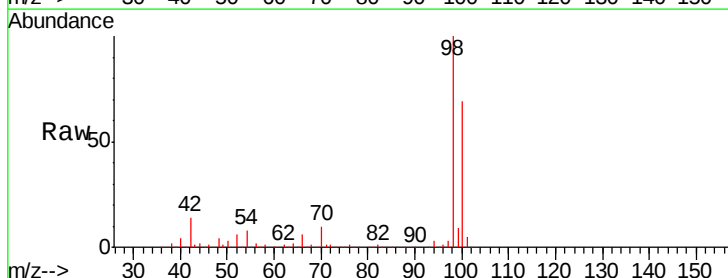
Acq: 26 Nov 2018 12:44

Tgt Ion: 98 Resp: 2028396

Ion Ratio Lower Upper

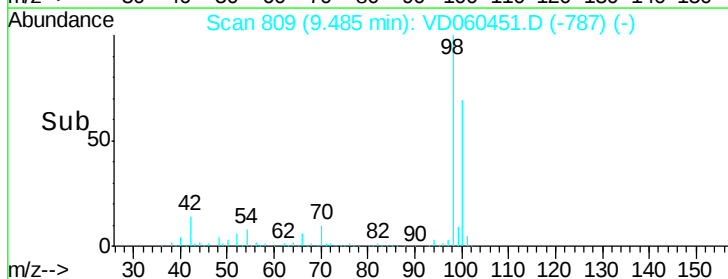
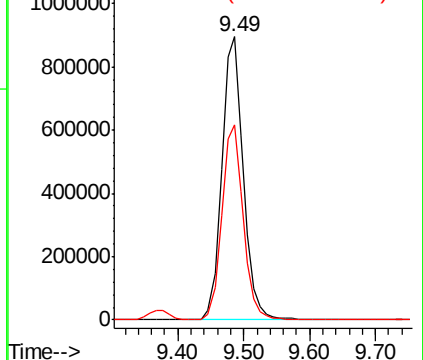
98 100

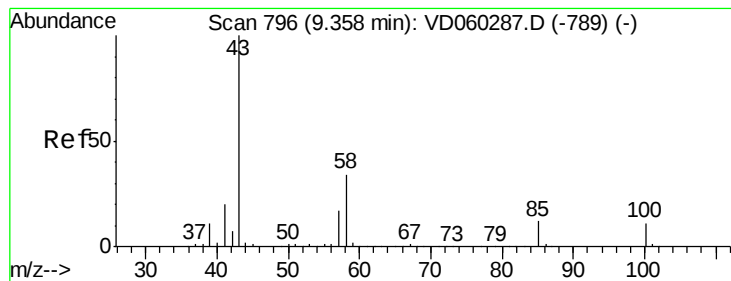
100 69.0 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 104.86 ug/l

RT: 9.37 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

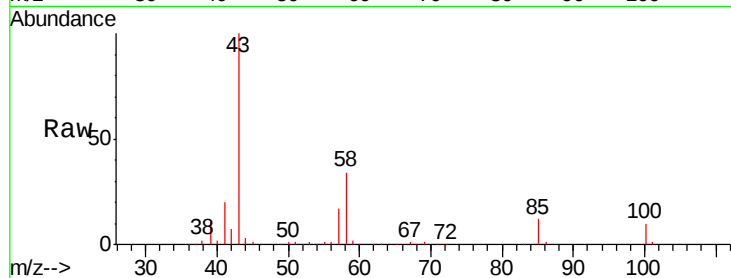
VD1126SBS01

Tgt Ion: 43 Resp: 722647

Ion Ratio Lower Upper

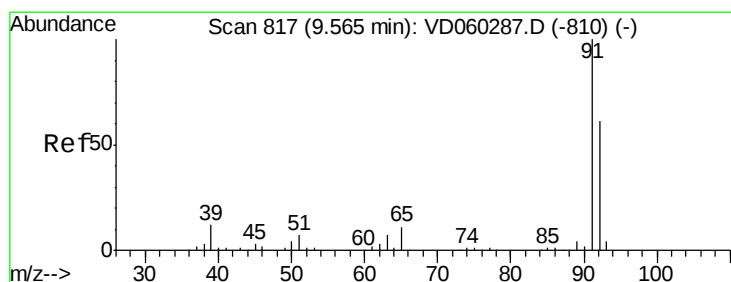
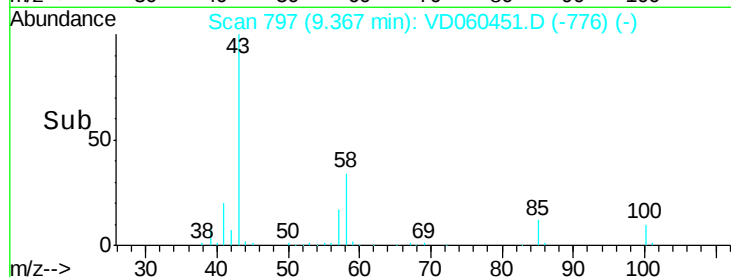
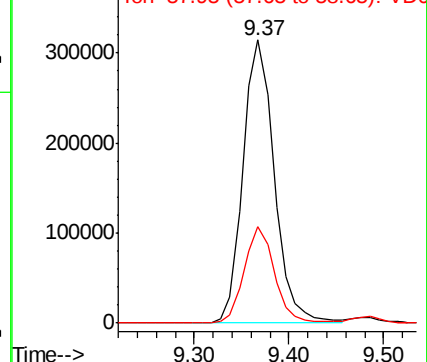
43 100

58 33.9 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.96 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060451.D

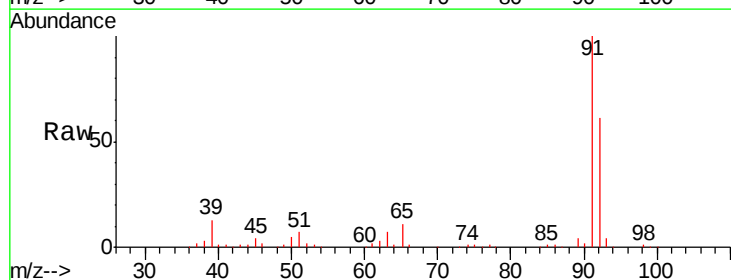
Acq: 26 Nov 2018 12:44

Tgt Ion: 92 Resp: 655981

Ion Ratio Lower Upper

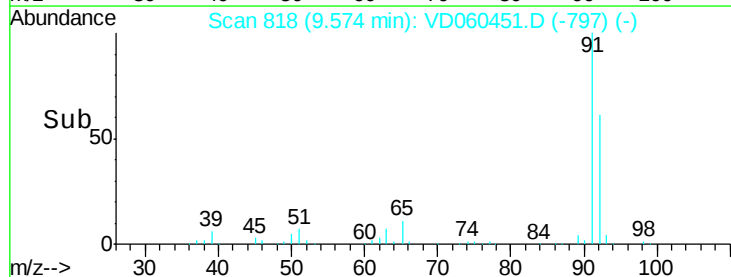
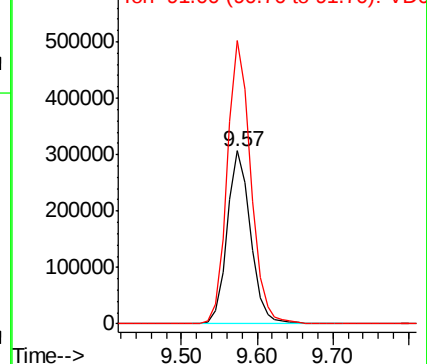
92 100

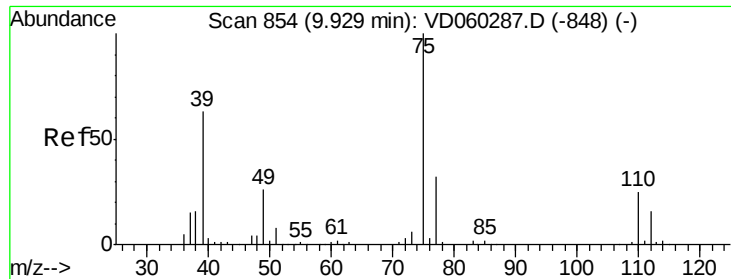
91 163.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

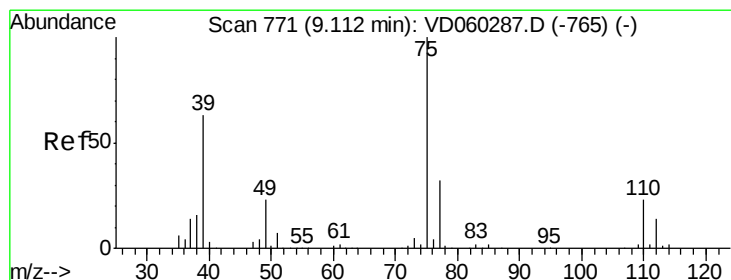
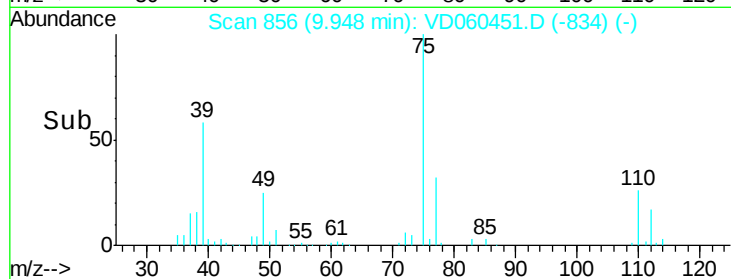
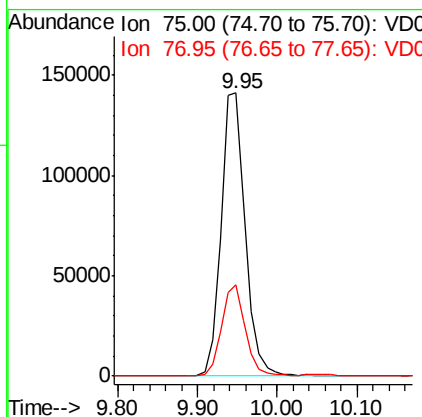
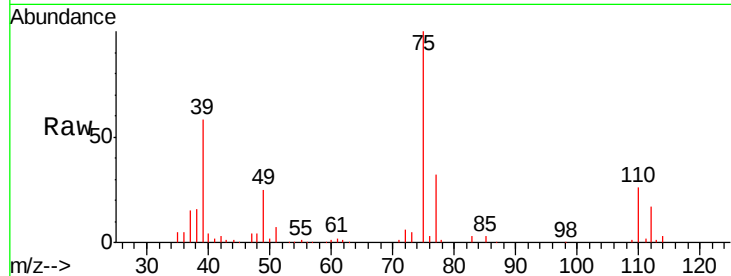




#53
 t-1,3-Dichloropropene
 Concen: 21.82 ug/l
 RT: 9.95 min Scan# 856
 Delta R.T. 0.02 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

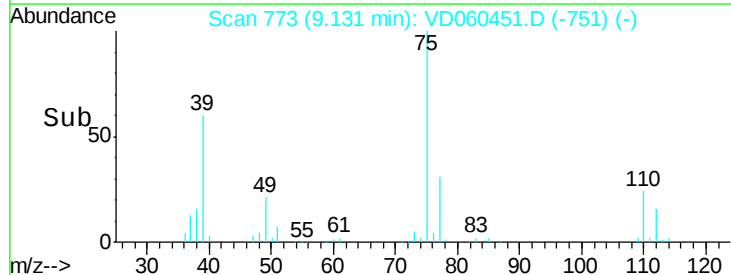
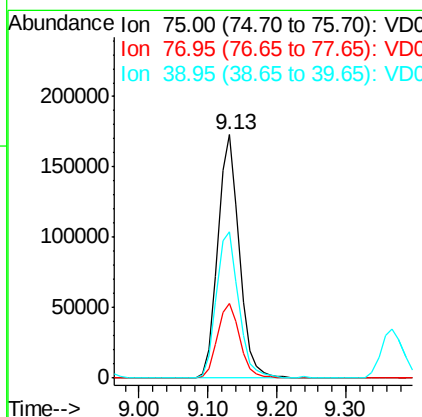
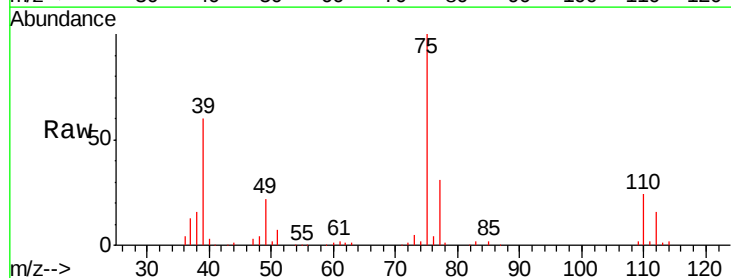
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBSD01

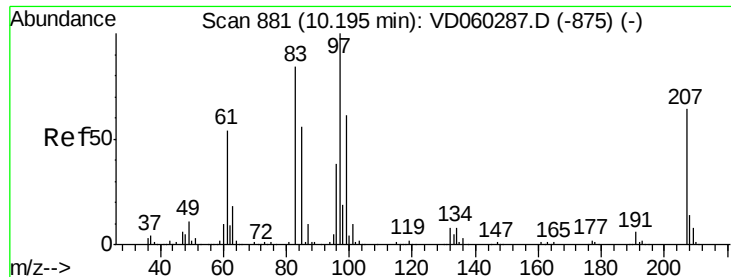
Tgt Ion: 75 Resp: 300084
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.26 ug/l
 RT: 9.13 min Scan# 773
 Delta R.T. 0.02 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

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

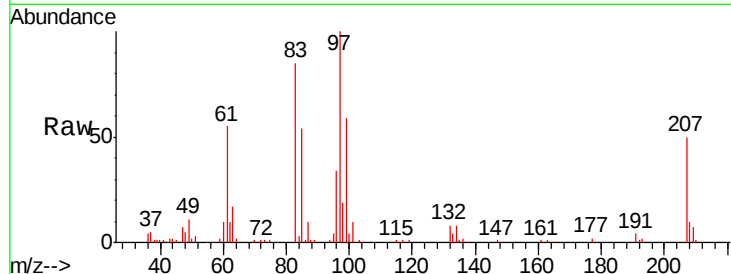




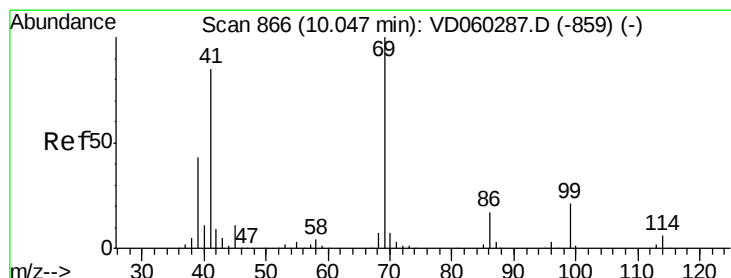
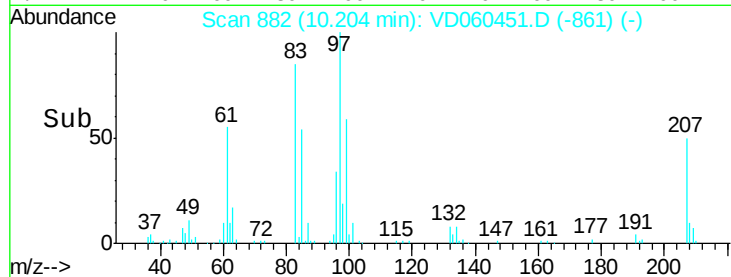
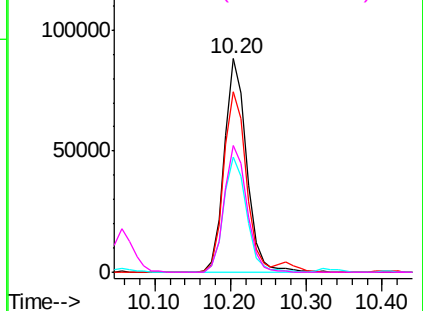
#55
 1,1,2-Trichloroethane
 Concen: 20.81 ug/l
 RT: 10.20 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBSD01

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

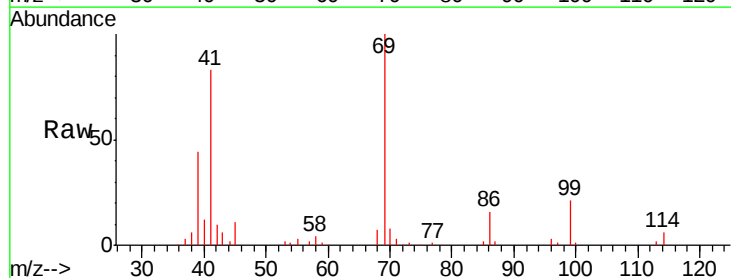


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

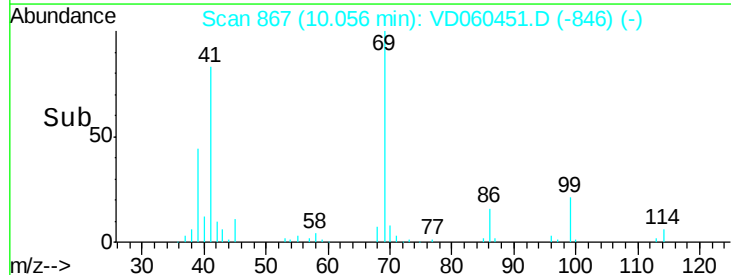
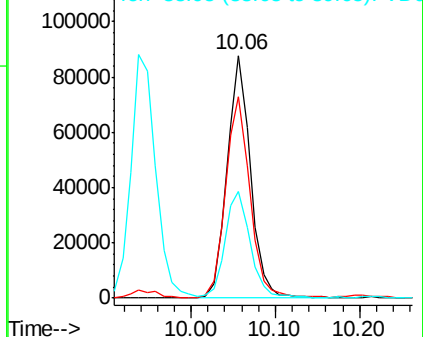


#56
 Ethyl methacrylate
 Concen: 21.19 ug/l
 RT: 10.06 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Tgt Ion:	69	Resp:	168699
Ion	Ratio	Lower	Upper
69	100		
41	82.8	69.0	103.4
39	44.1	36.6	54.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.93 ug/l

RT: 10.41 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

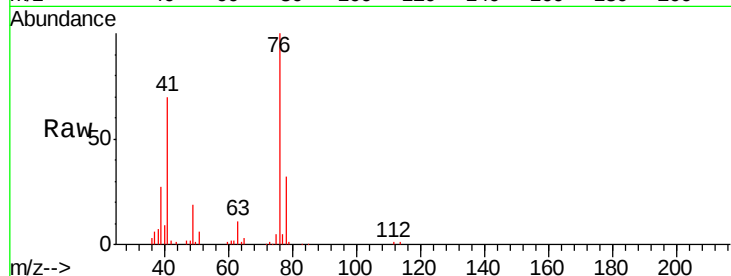
VD1126SBSD01

Tgt Ion: 76 Resp: 276055

Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.41

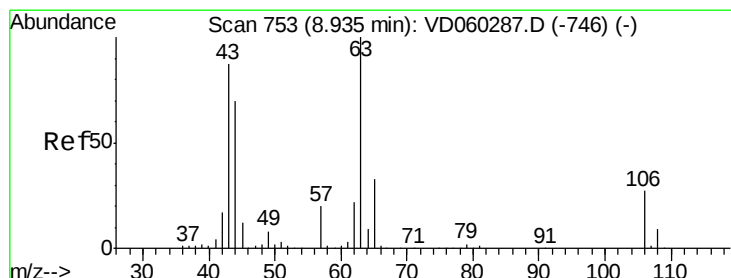
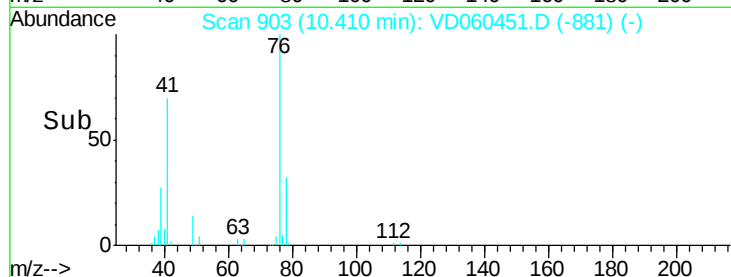
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 107.29 ug/l

RT: 8.94 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD060451.D

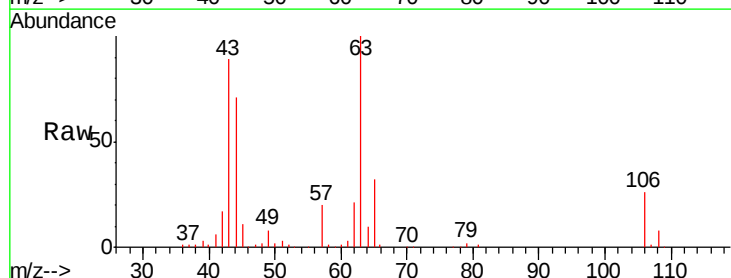
Acq: 26 Nov 2018 12:44

Tgt Ion: 63 Resp: 516410

Ion Ratio Lower Upper

63 100

106 26.4 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.94

250000

200000

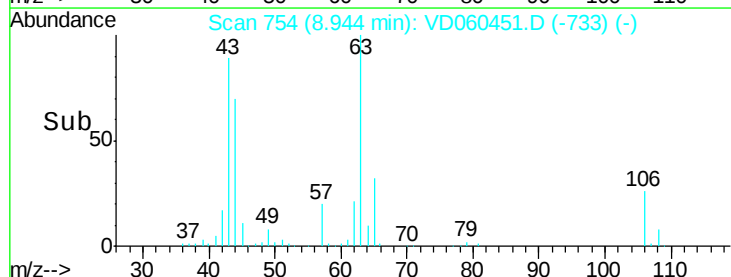
150000

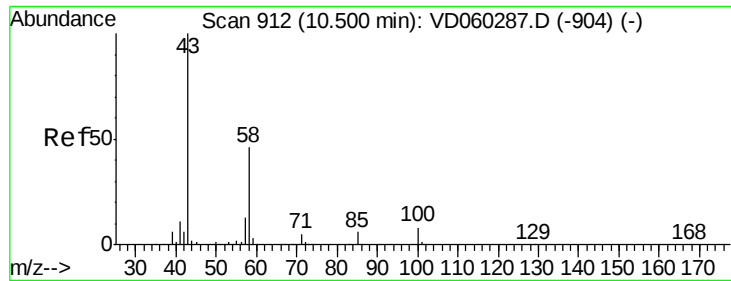
100000

50000

0

Time-->

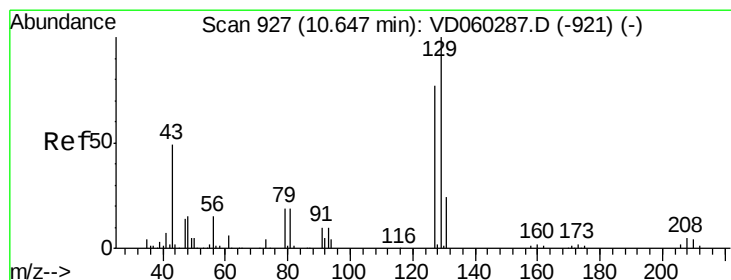
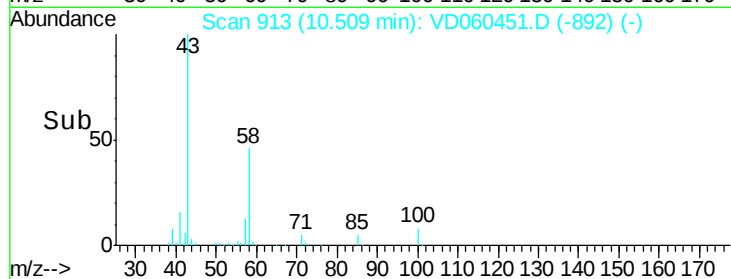
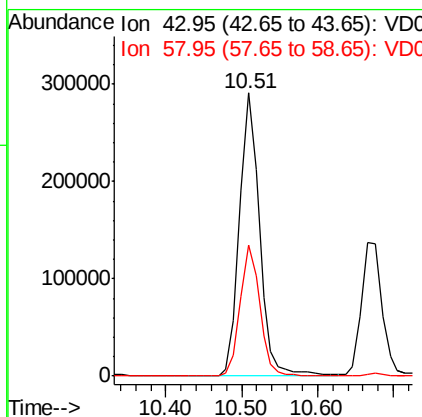
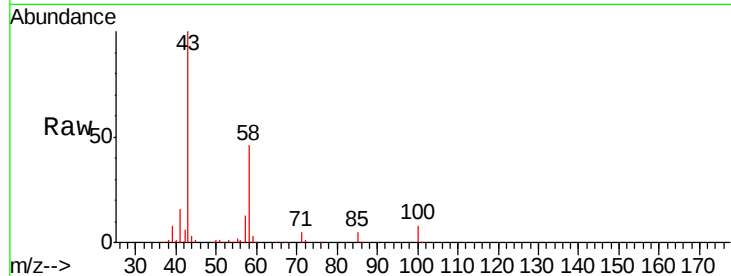




#59
2-Hexanone
Concen: 108.77 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

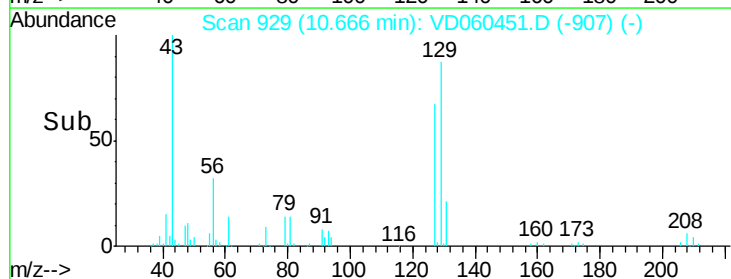
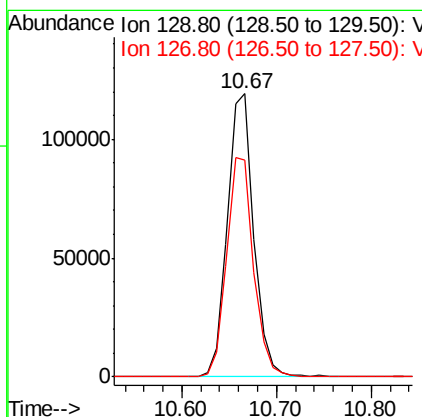
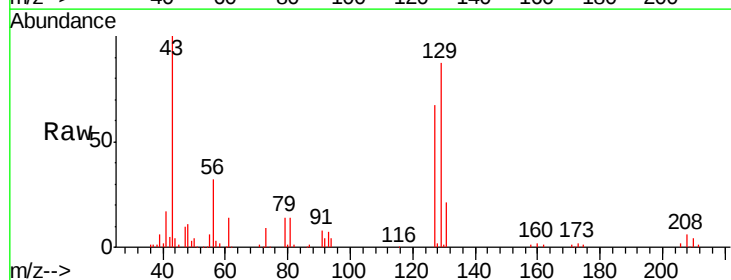
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

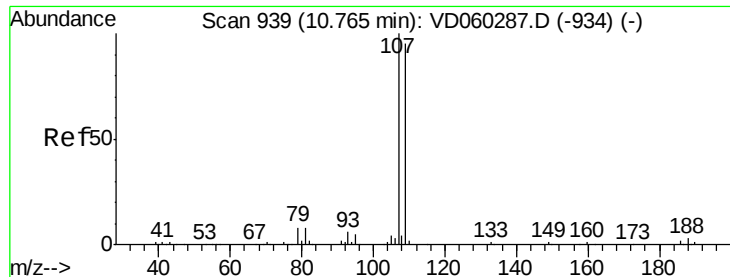
Tgt Ion: 43 Resp: 534271
Ion Ratio Lower Upper
43 100
58 46.2 22.9 68.5



#60
Dibromochloromethane
Concen: 21.77 ug/l
RT: 10.67 min Scan# 929
Delta R.T. 0.02 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion: 129 Resp: 229138
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.6

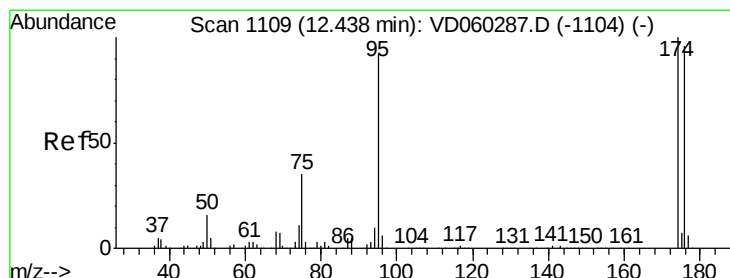
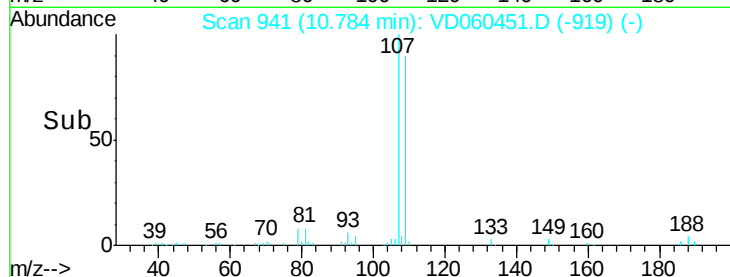
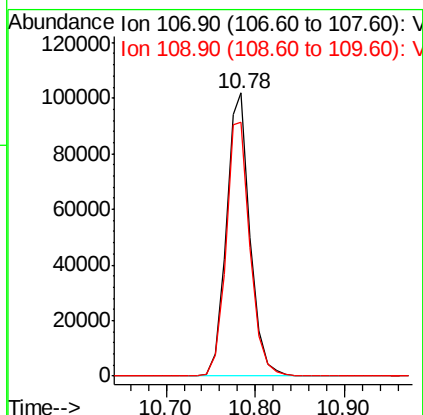
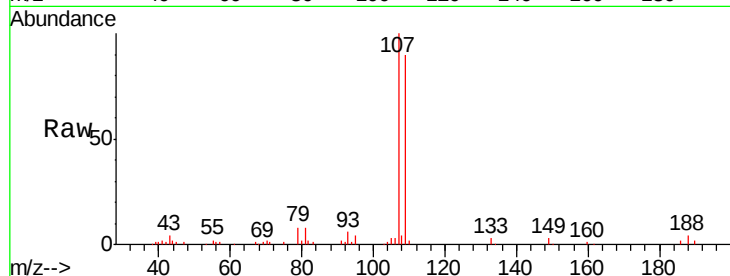




#61
 1,2-Dibromoethane
 Concen: 21.83 ug/l
 RT: 10.78 min Scan# 941
 Delta R.T. 0.02 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

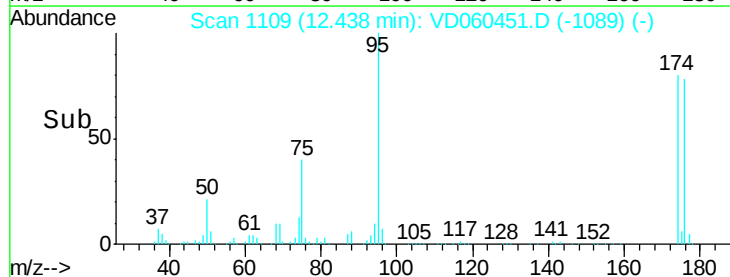
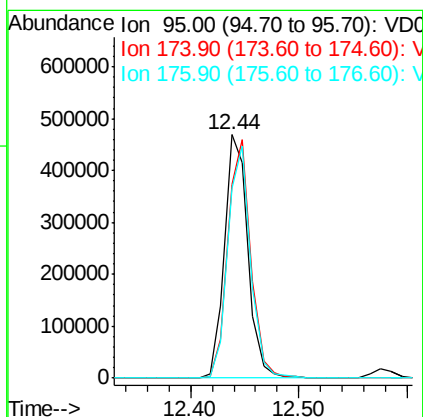
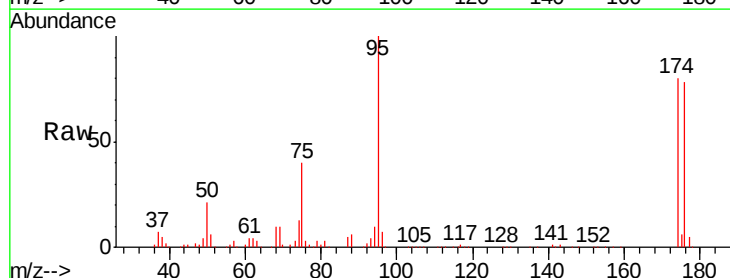
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBSD01

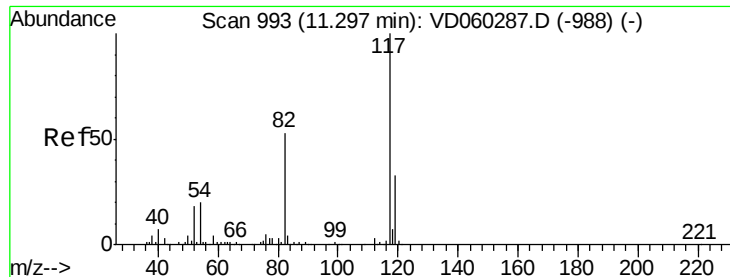
Tgt Ion: 107 Resp: 189328
 Ion Ratio Lower Upper
 107 100
 109 89.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 21.83 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

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

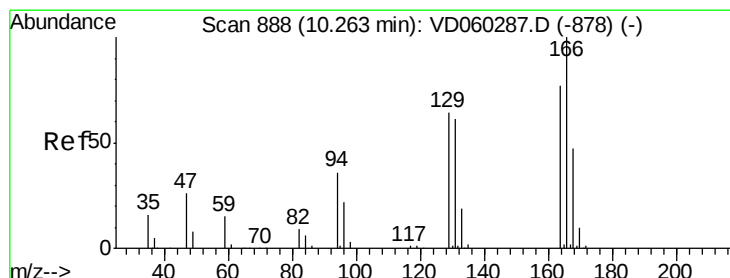
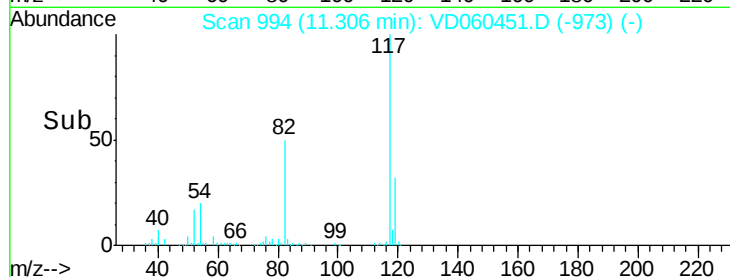
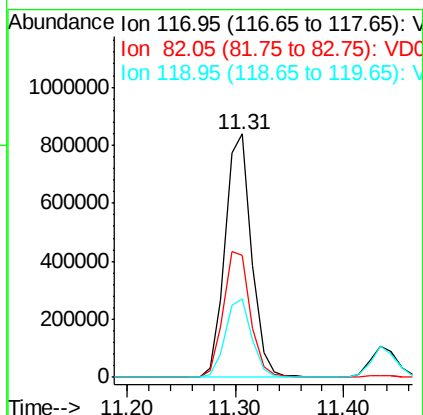
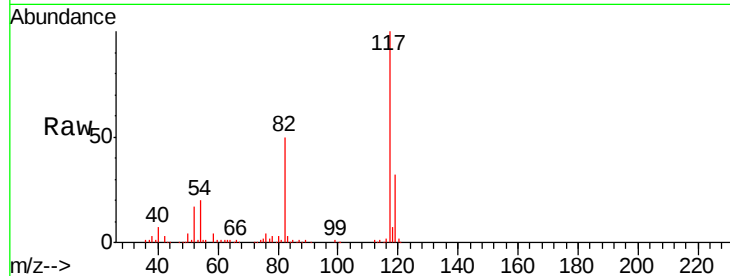




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

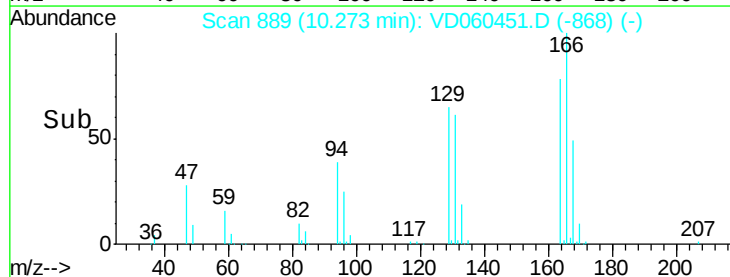
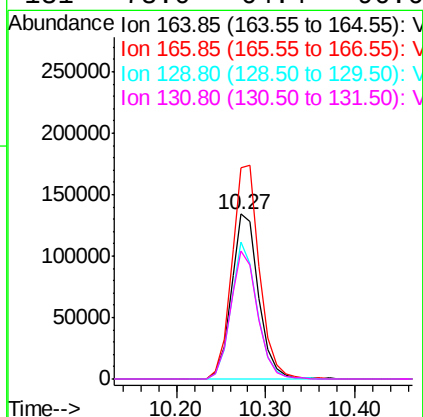
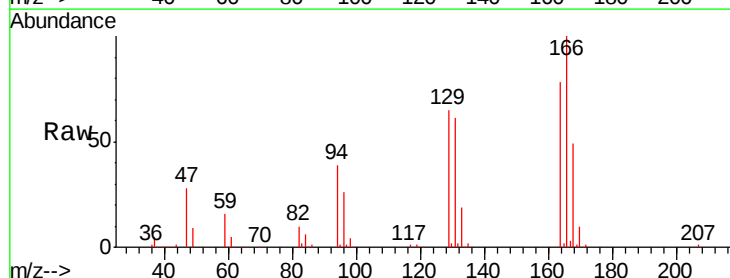
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

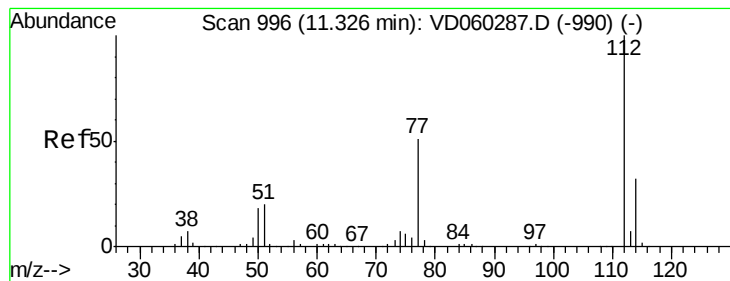
Tgt Ion:117 Resp: 1430342
Ion Ratio Lower Upper
117 100
82 49.9 43.7 65.5
119 32.3 26.1 39.1



#64
Tetrachloroethene
Concen: 22.46 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

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





#65

Chlorobenzene

Concen: 23.02 ug/l

RT: 11.34 min Scan# 997

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

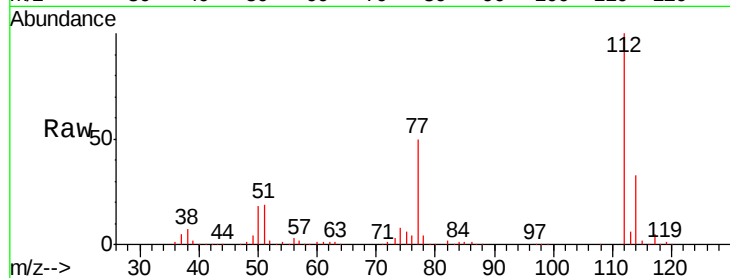
VD1126SBSD01

Tgt Ion:112 Resp: 713575

Ion Ratio Lower Upper

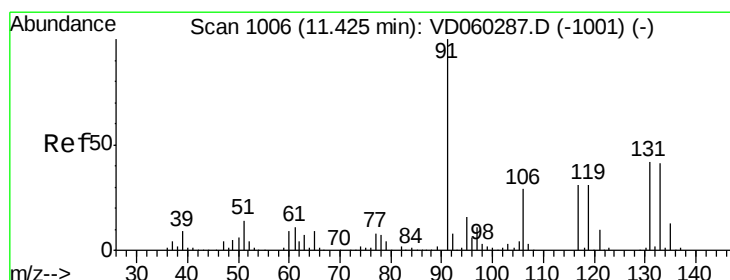
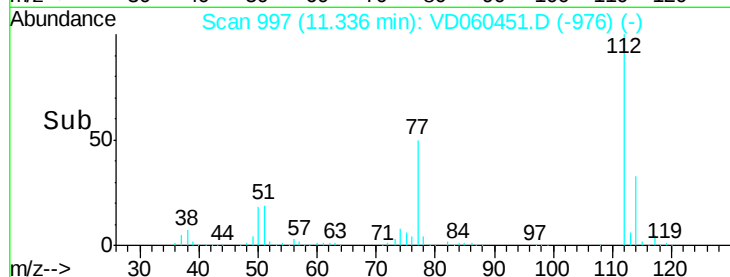
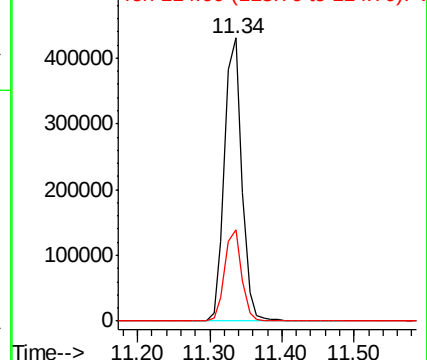
112 100

114 32.5 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.53 ug/l

RT: 11.43 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

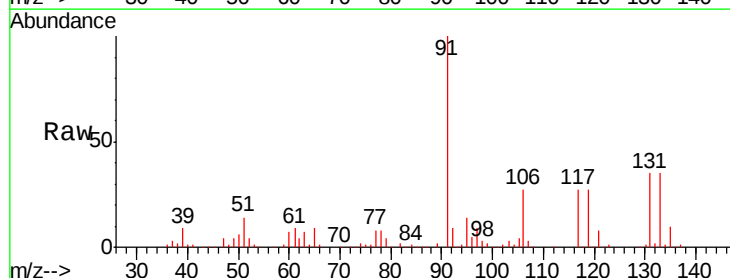
Tgt Ion:131 Resp: 238578

Ion Ratio Lower Upper

131 100

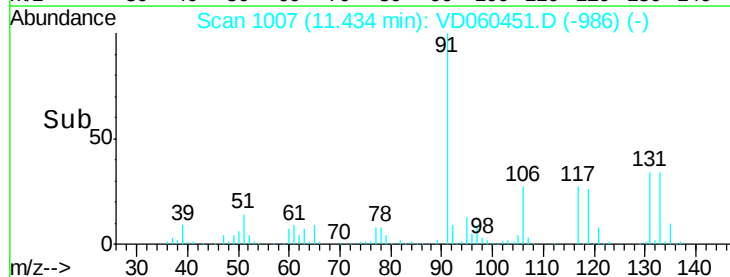
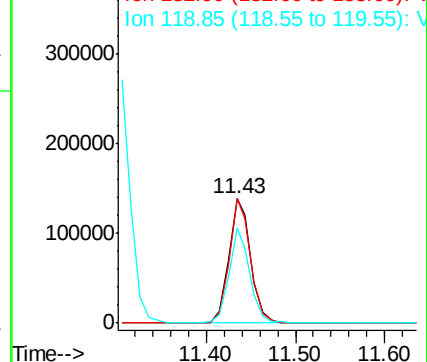
133 100.5 50.0 150.0

119 76.7 37.0 111.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

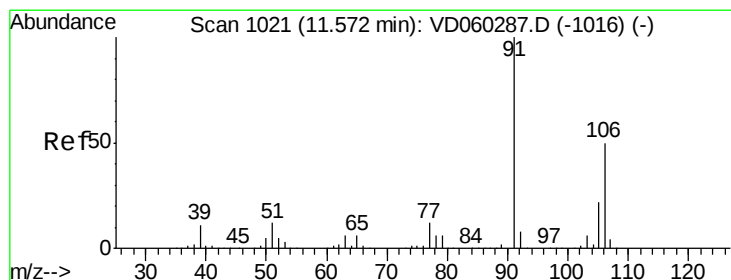
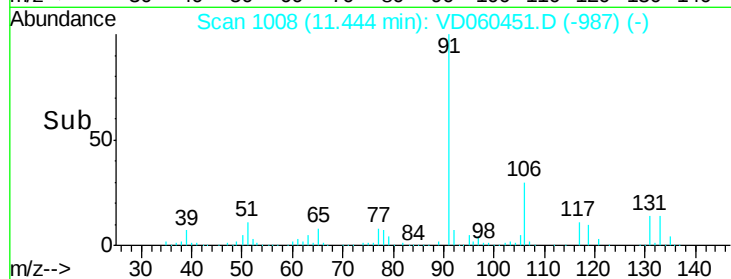
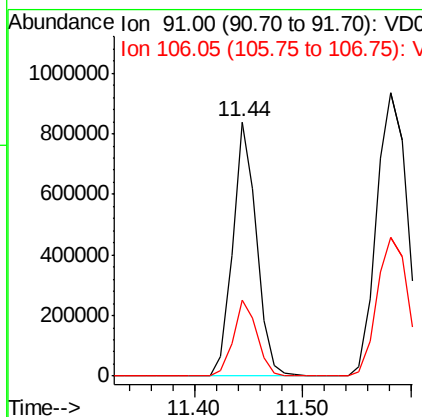
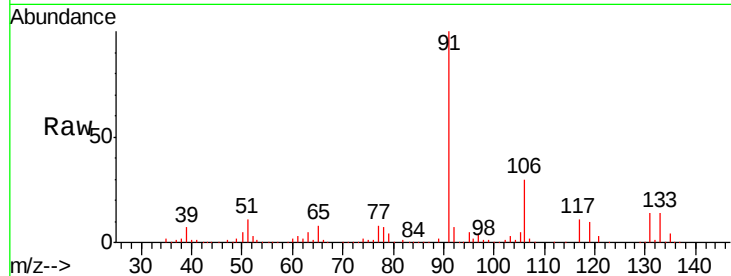




#67
Ethyl Benzene
Concen: 24.15 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

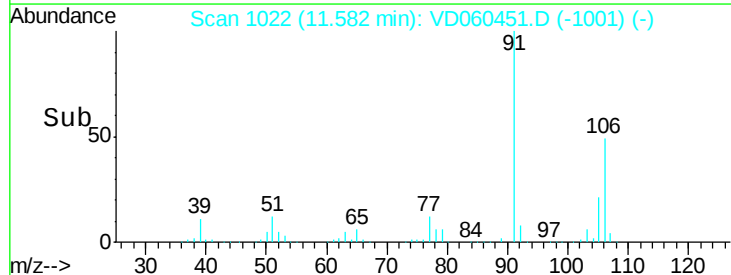
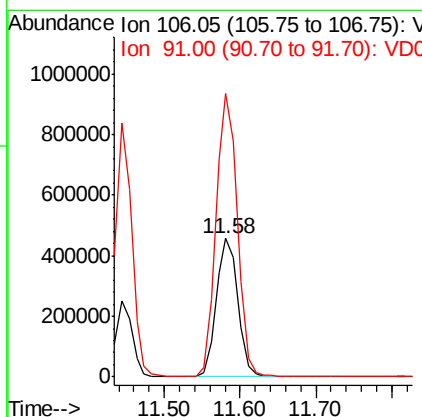
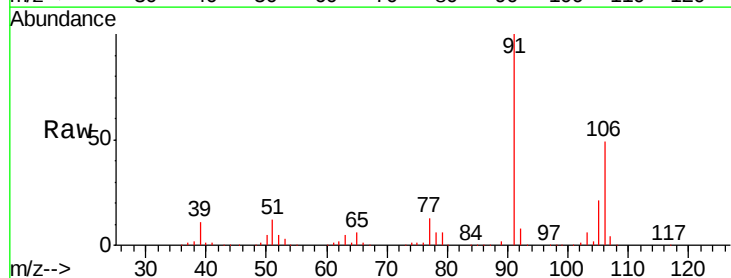
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

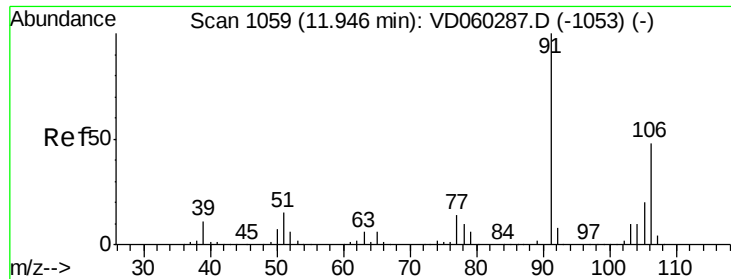
Tgt Ion: 91 Resp: 1280316
Ion Ratio Lower Upper
91 100
106 29.8 24.6 36.8



#68
m/p-Xylenes
Concen: 46.47 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

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

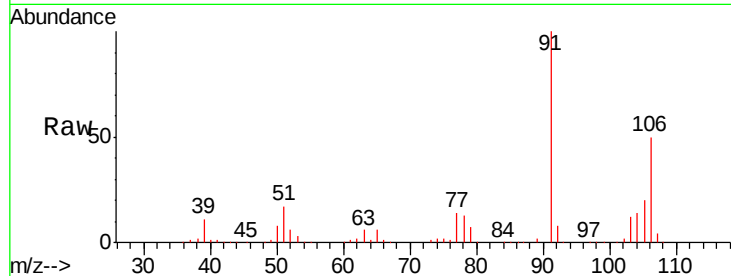




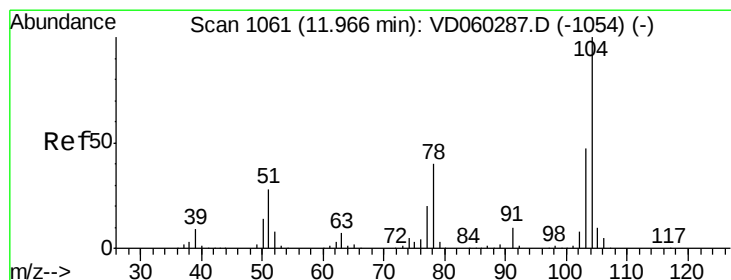
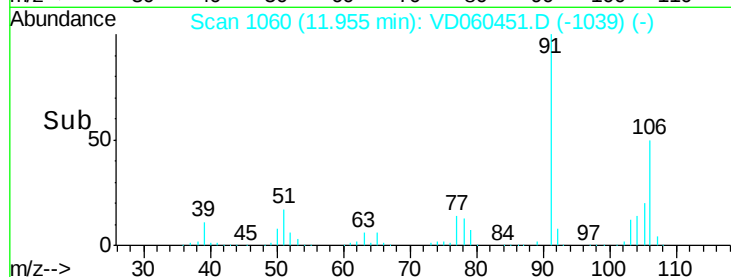
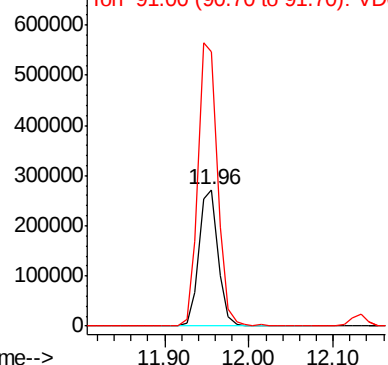
#69
o-Xylene
Concen: 22.81 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

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

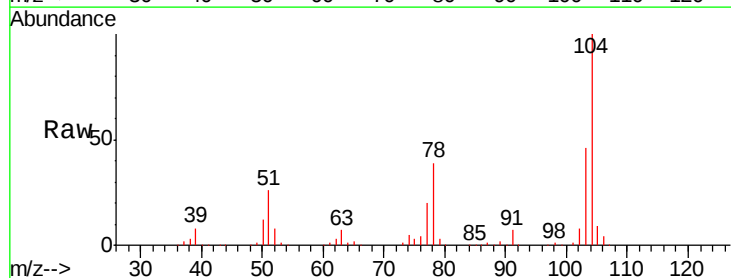


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

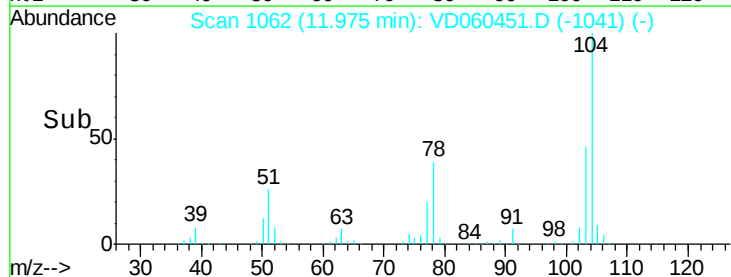
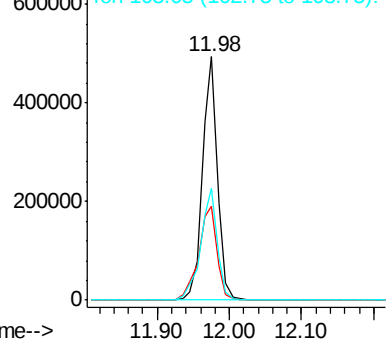


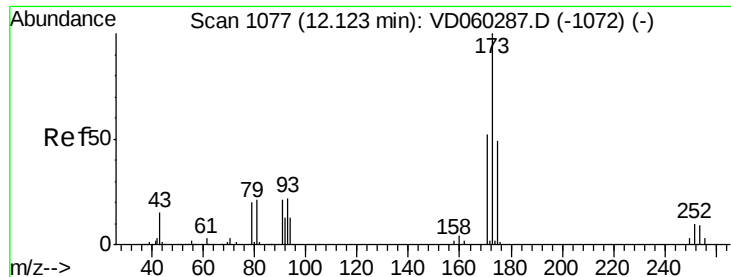
#70
Styrene
Concen: 23.26 ug/l
RT: 11.98 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion:104 Resp: 710169
Ion Ratio Lower Upper
104 100
78 38.6 31.6 47.4
103 46.1 37.0 55.6



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





#71

Bromoform

Concen: 21.63 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

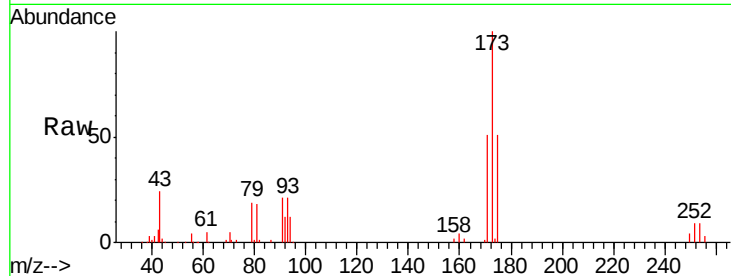
Tgt Ion:173 Resp: 147417

Ion Ratio Lower Upper

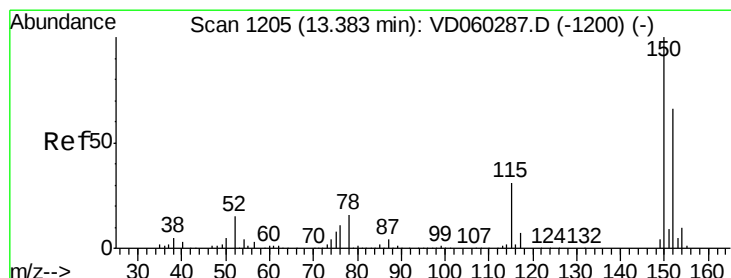
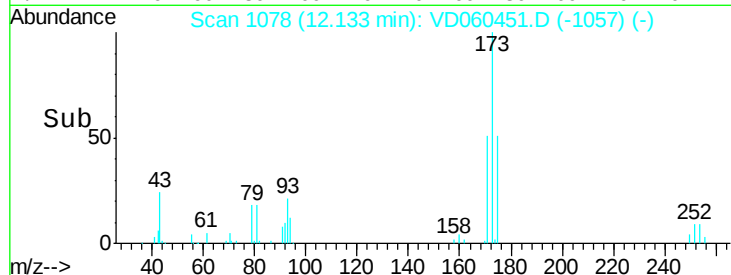
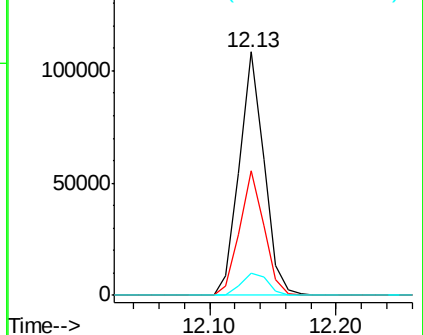
173 100

175 51.1 24.3 73.0

254 9.3 8.3 12.5



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

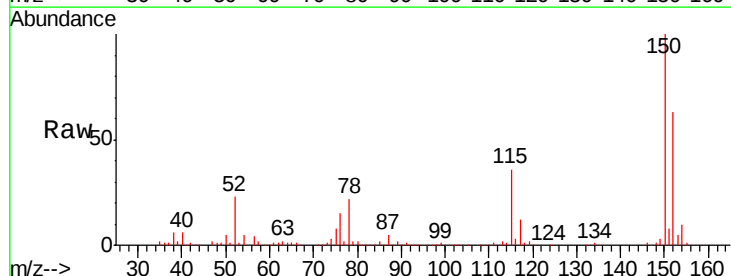
Tgt Ion:152 Resp: 733712

Ion Ratio Lower Upper

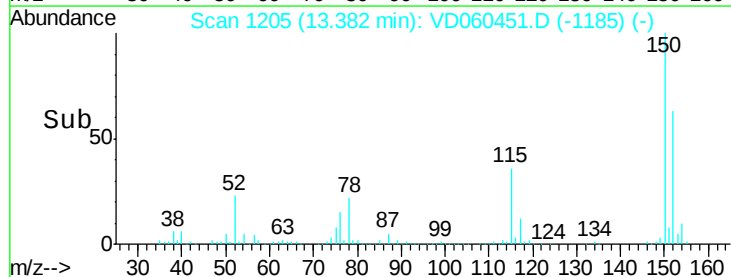
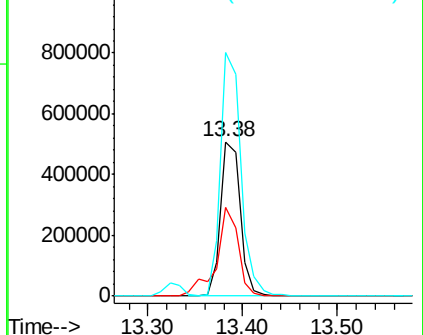
152 100

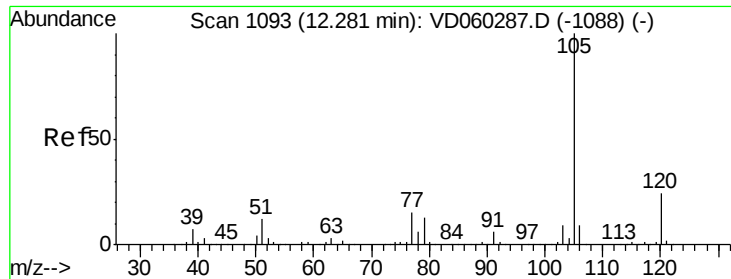
115 57.2 24.1 72.3

150 157.6 0.0 310.6



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





#73

Isopropylbenzene

Concen: 23.36 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

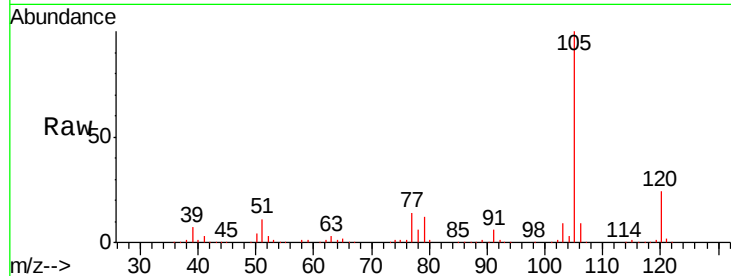
VD1126SBSD01

Tgt Ion:105 Resp: 1248565

Ion Ratio Lower Upper

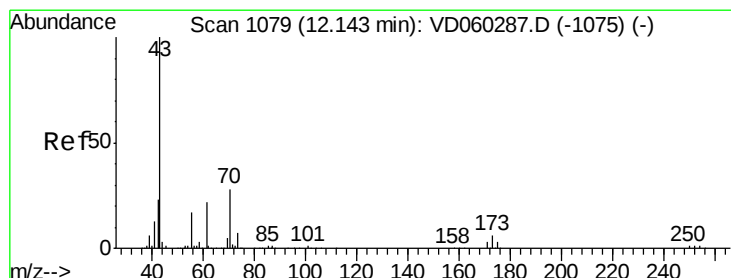
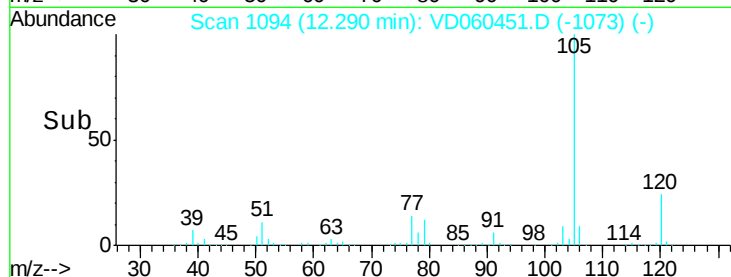
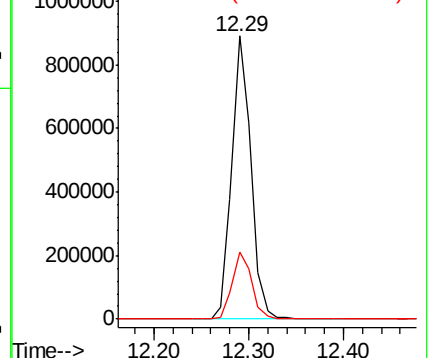
105 100

120 23.7 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: 20.73 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Tgt Ion: 43 Resp: 284082

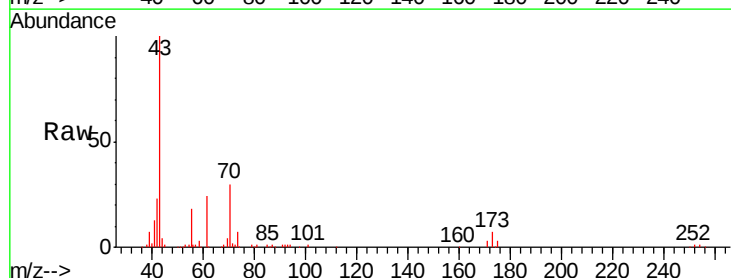
Ion Ratio Lower Upper

43 100

70 29.5 23.0 34.4

55 17.9 14.2 21.4

61 23.8 17.8 26.8

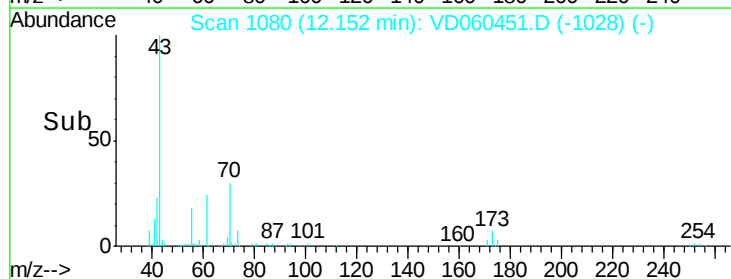
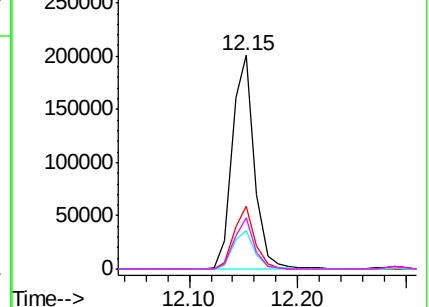


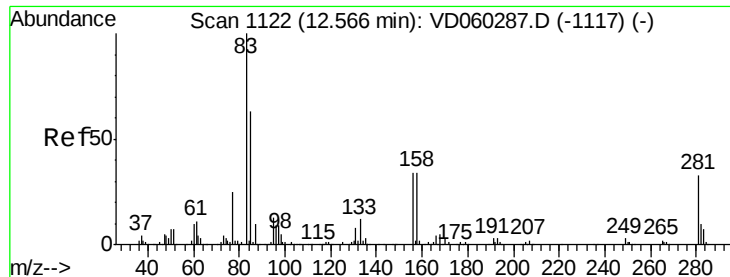
Abundance Ion 42.95 (42.65 to 43.65): V

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: 21.12 ug/l

RT: 12.58 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

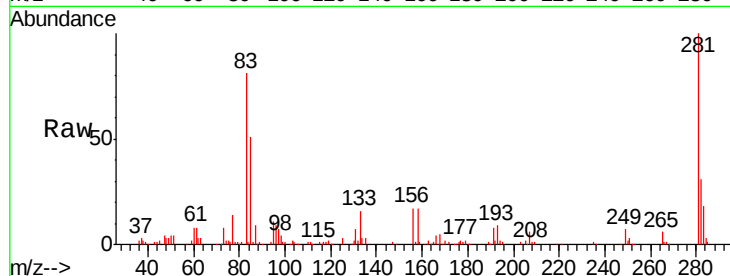
Tgt Ion: 83 Resp: 184615

Ion Ratio Lower Upper

83 100

131 8.1 3.9 11.5

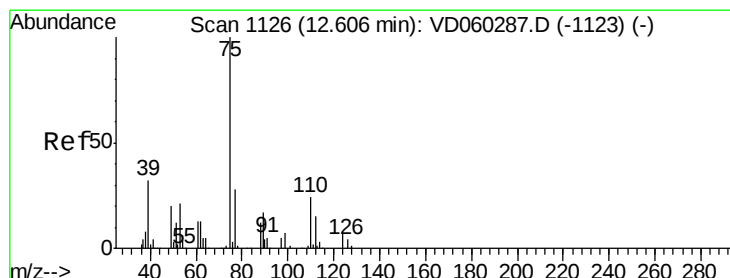
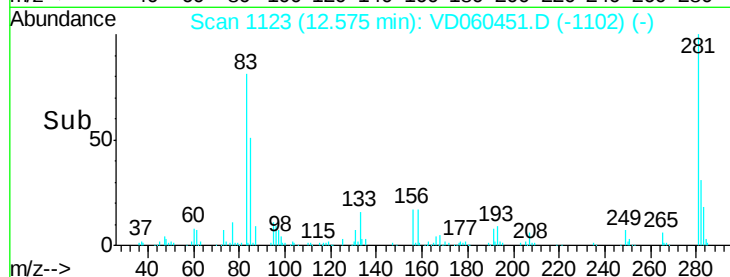
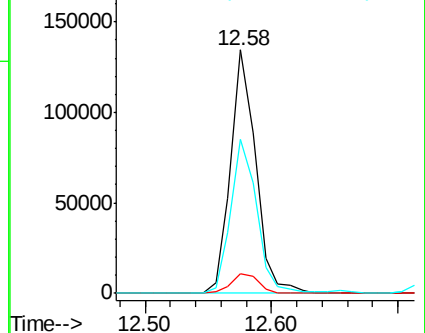
85 63.1 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.04 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060451.D

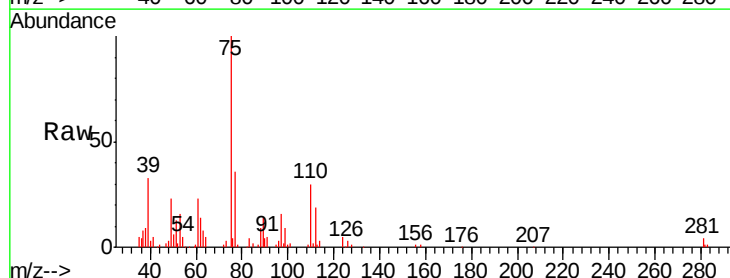
Acq: 26 Nov 2018 12:44

Tgt Ion: 75 Resp: 184666

Ion Ratio Lower Upper

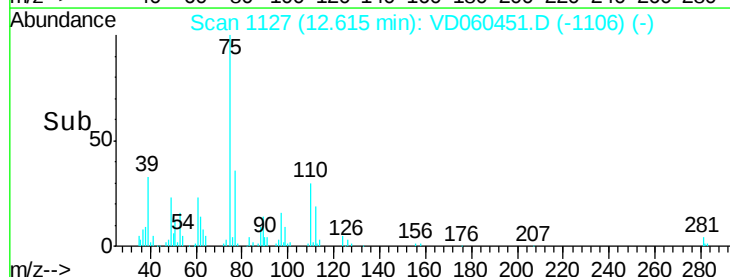
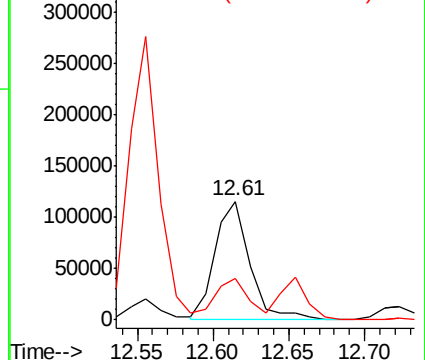
75 100

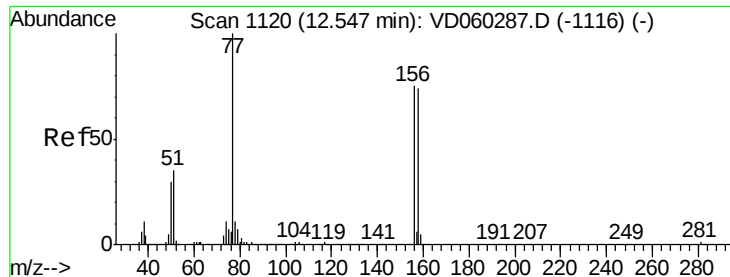
77 35.5 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.34 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

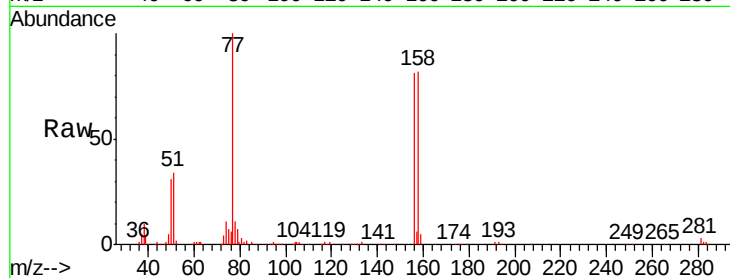
Tgt Ion: 156 Resp: 302948

Ion Ratio Lower Upper

156 100

77 123.8 61.2 183.6

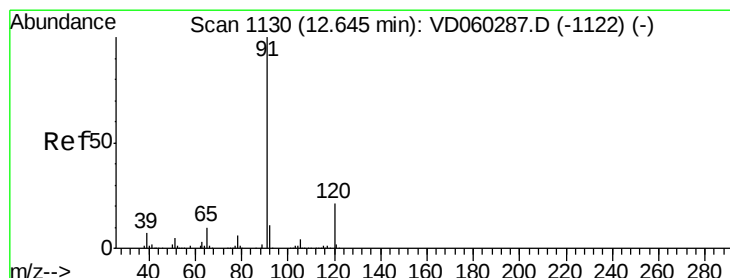
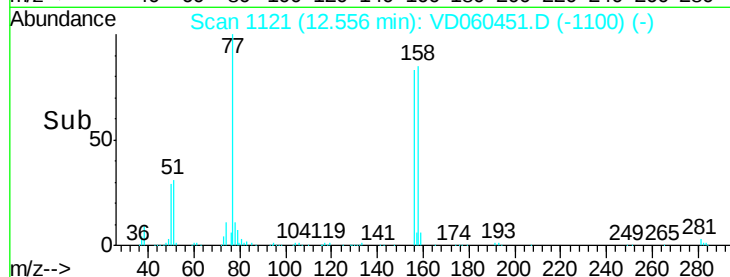
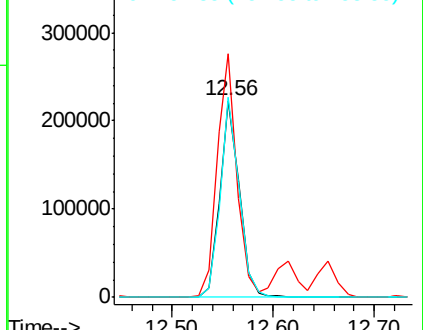
158 101.5 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.03 ug/l

RT: 12.65 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VD060451.D

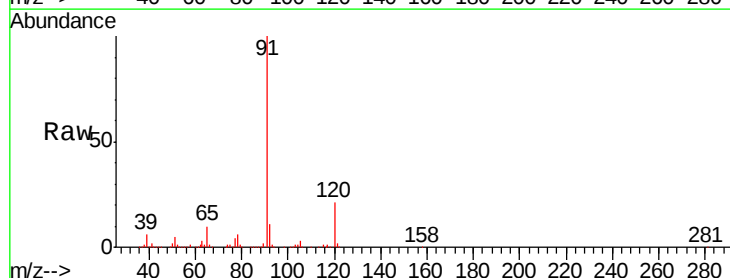
Acq: 26 Nov 2018 12:44

Tgt Ion: 91 Resp: 1536888

Ion Ratio Lower Upper

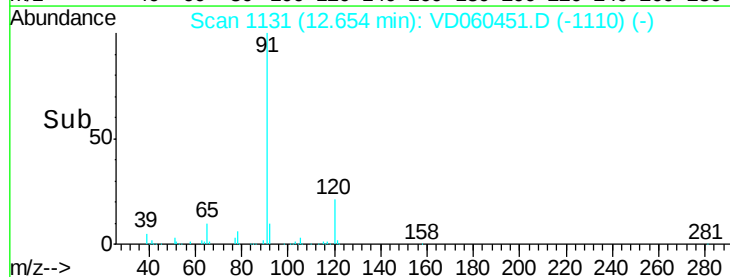
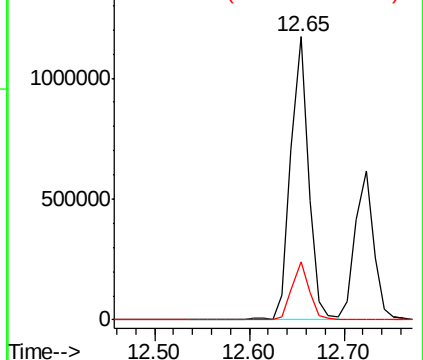
91 100

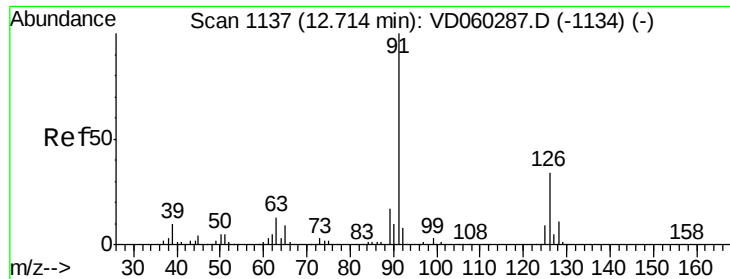
120 20.6 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.75 ug/l

RT: 12.72 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

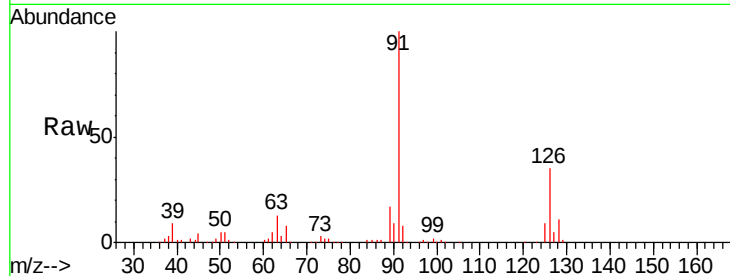
VD1126SBSD01

Tgt Ion: 91 Resp: 831395

Ion Ratio Lower Upper

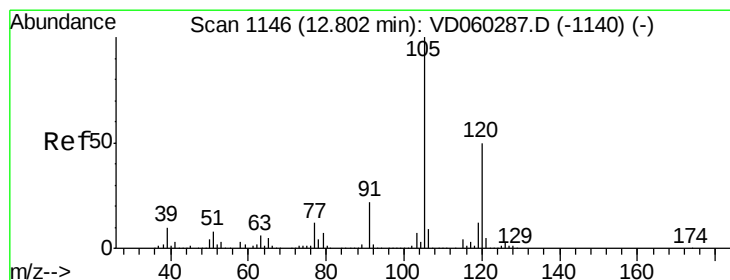
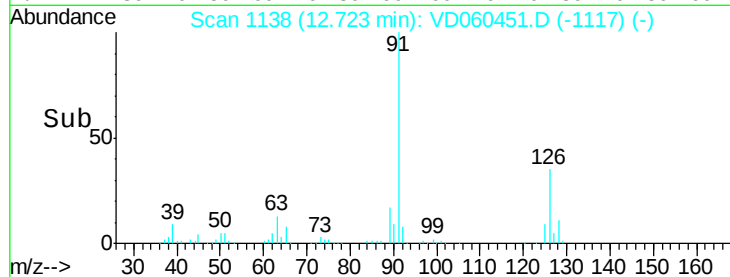
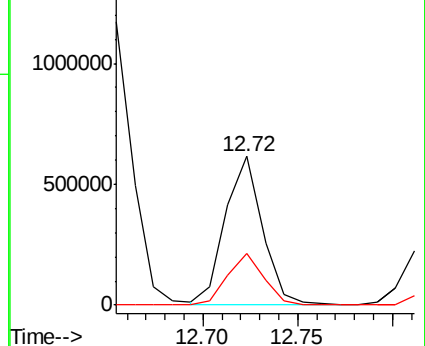
91 100

126 34.5 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.70 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060451.D

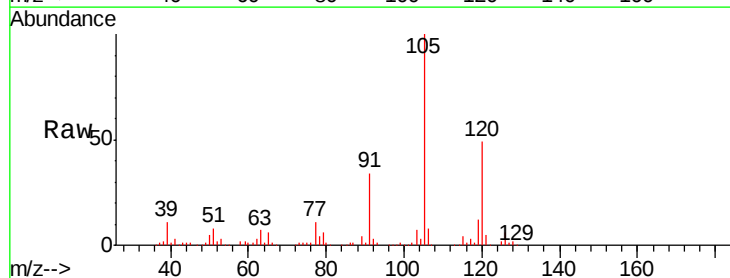
Acq: 26 Nov 2018 12:44

Tgt Ion: 105 Resp: 943092

Ion Ratio Lower Upper

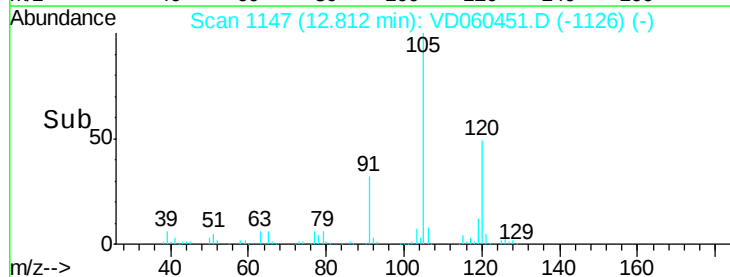
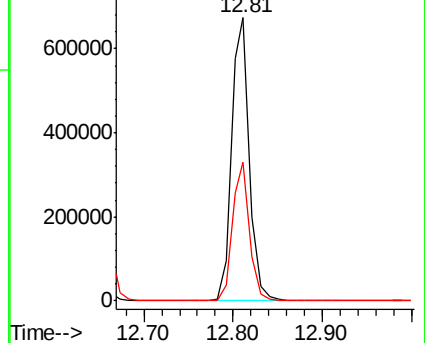
105 100

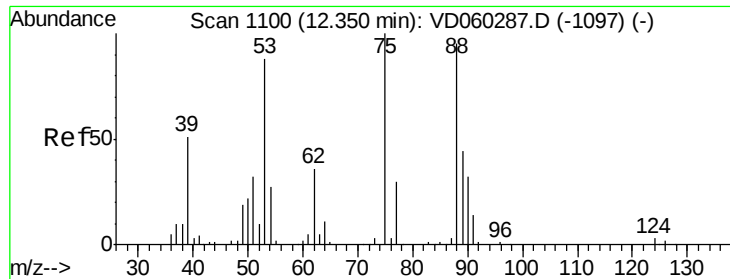
120 48.8 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.19 ug/l

RT: 12.36 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

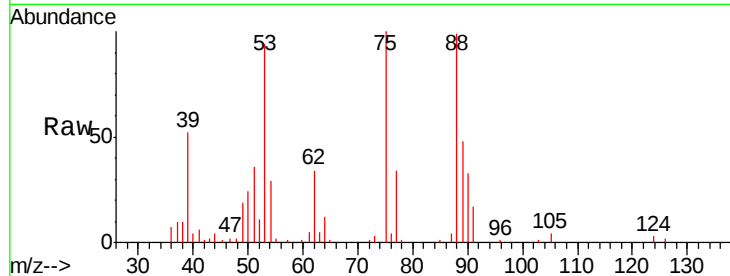
Tgt Ion: 75 Resp: 50456

Ion Ratio Lower Upper

75 100

53 94.4 68.6 103.0

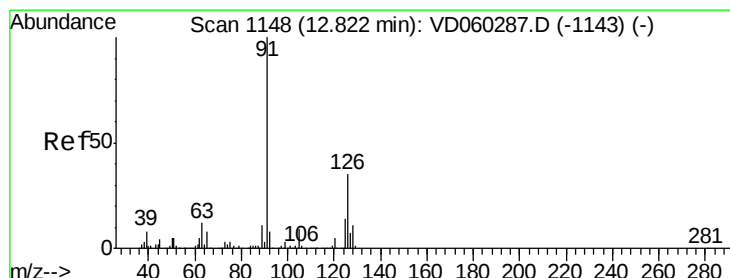
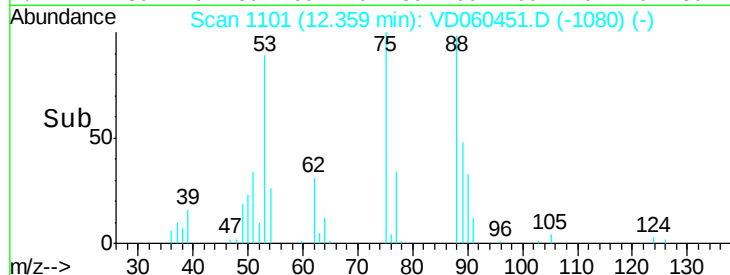
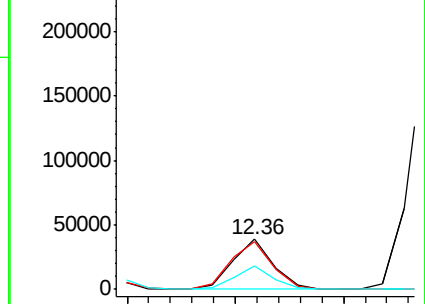
89 47.8 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.23 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VD060451.D

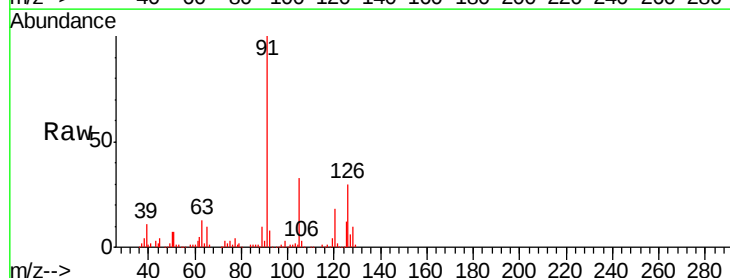
Acq: 26 Nov 2018 12:44

Tgt Ion: 91 Resp: 912371

Ion Ratio Lower Upper

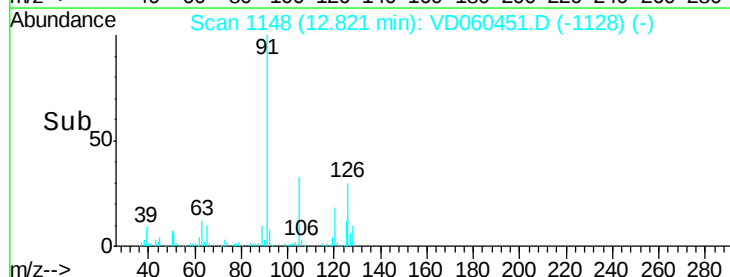
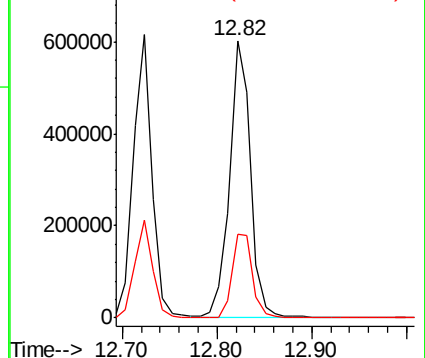
91 100

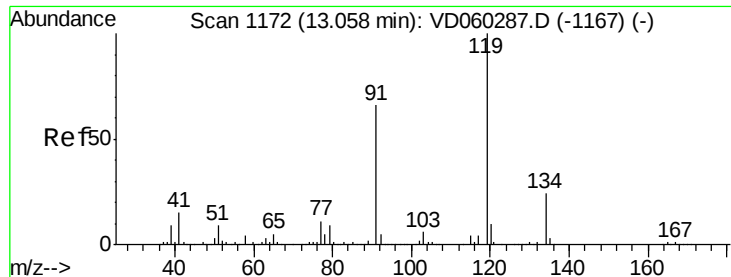
126 30.1 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

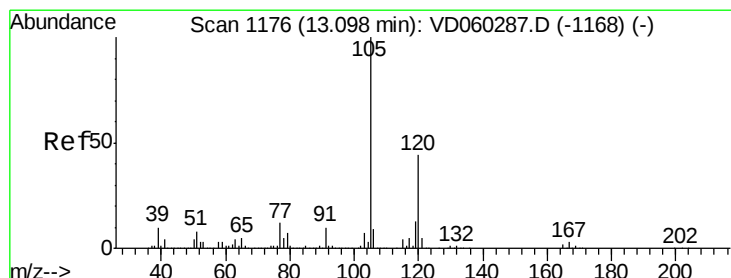
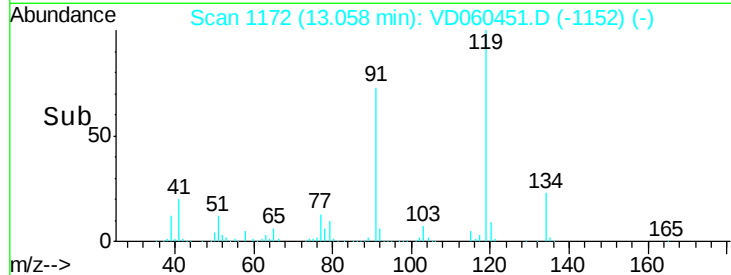
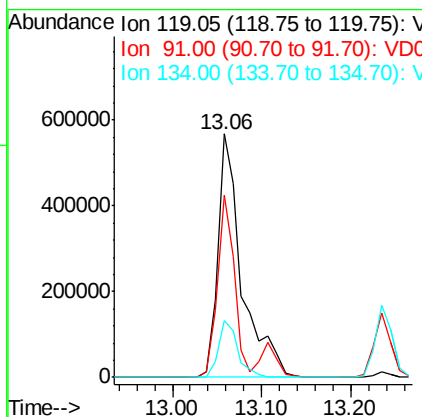
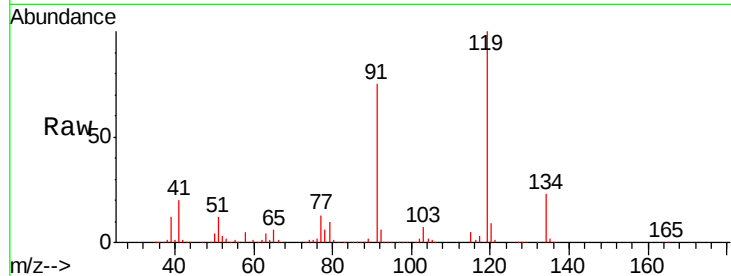




#83
 tert-Butylbenzene
 Concen: 23.07 ug/l
 RT: 13.06 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

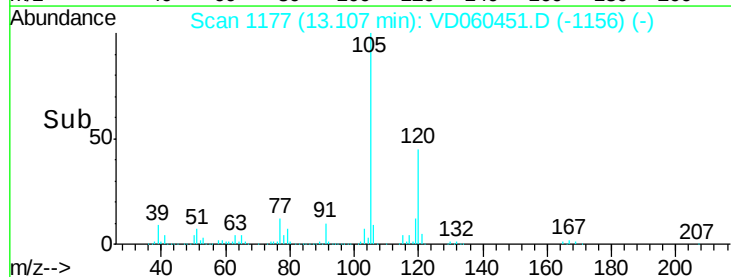
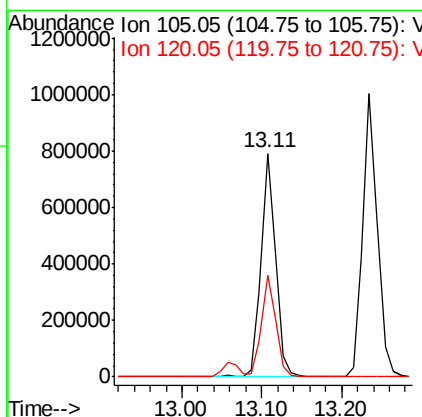
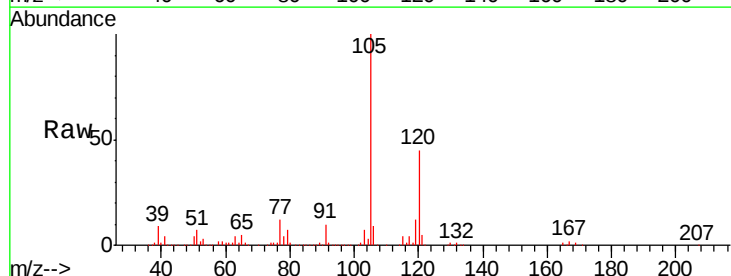
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBSD01

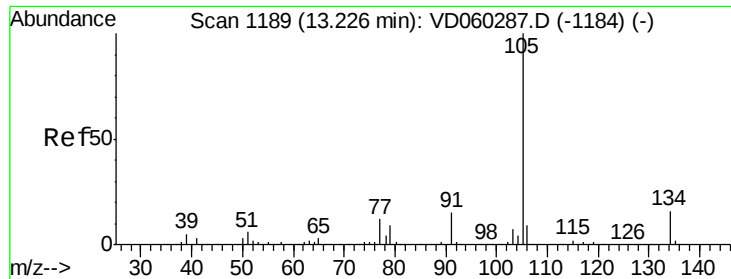
Tgt Ion:119 Resp: 1063974
 Ion Ratio Lower Upper
 119 100
 91 74.7 32.7 98.1
 134 23.1 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 23.65 ug/l
 RT: 13.11 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Tgt Ion:105 Resp: 981079
 Ion Ratio Lower Upper
 105 100
 120 45.3 21.9 65.8

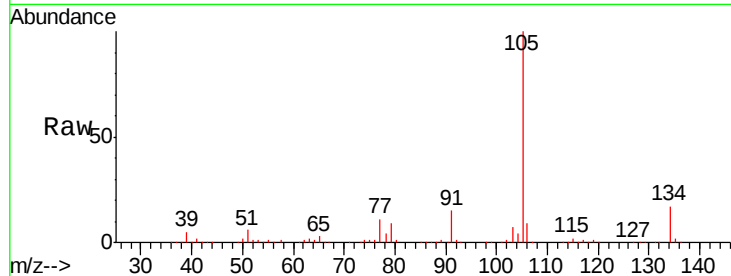




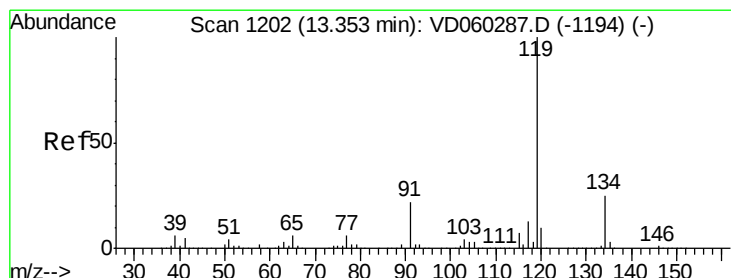
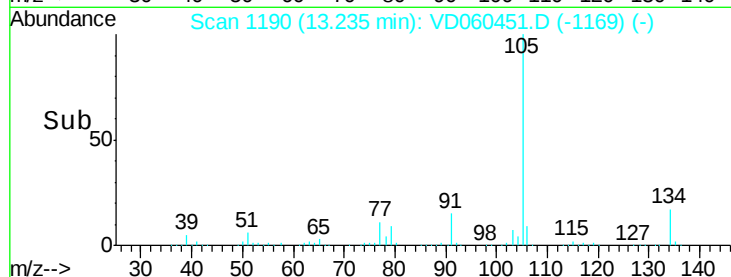
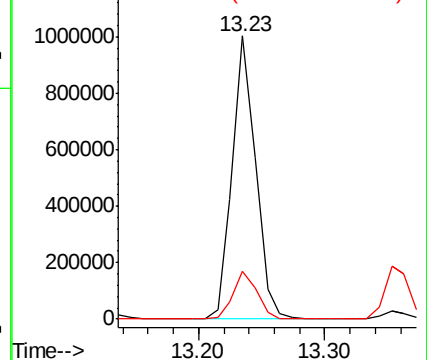
#85
 sec-Butylbenzene
 Concen: 22.61 ug/l
 RT: 13.23 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBSD01

Tgt Ion:105 Resp: 1279494
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.0 24.0

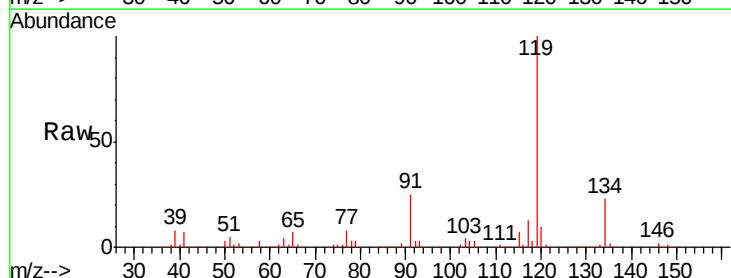


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

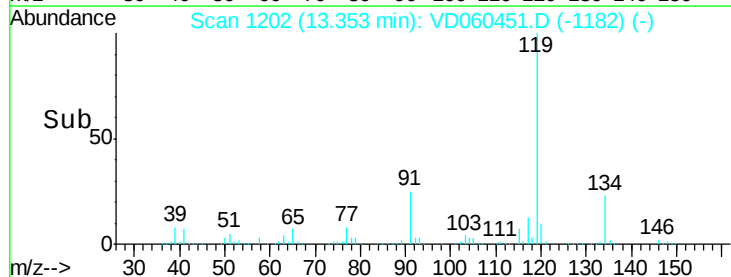
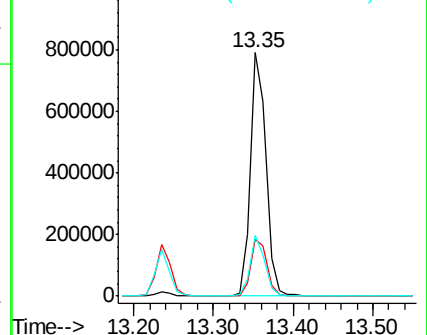


#86
 p-Isopropyltoluene
 Concen: 23.21 ug/l
 RT: 13.35 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Tgt Ion:119 Resp: 1057465
 Ion Ratio Lower Upper
 119 100
 134 23.5 12.9 38.6
 91 25.0 11.3 33.8



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

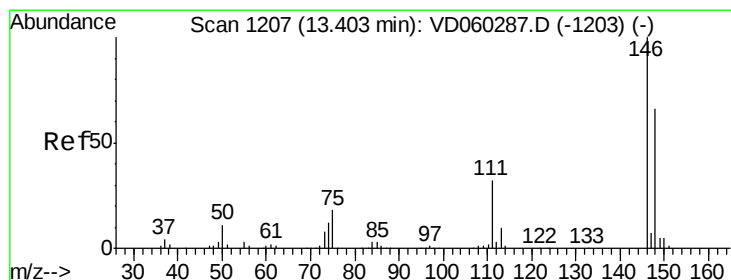
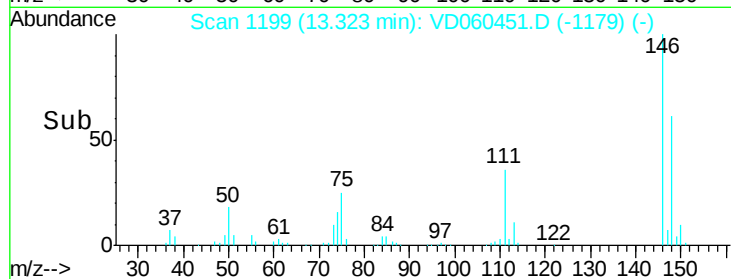
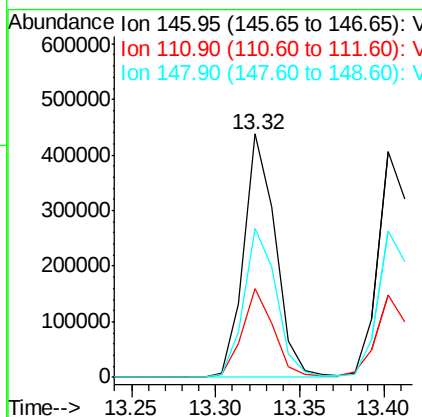
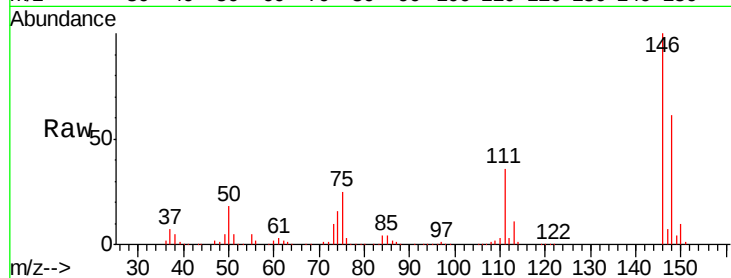




#87
 1,3-Dichlorobenzene
 Concen: 22.69 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

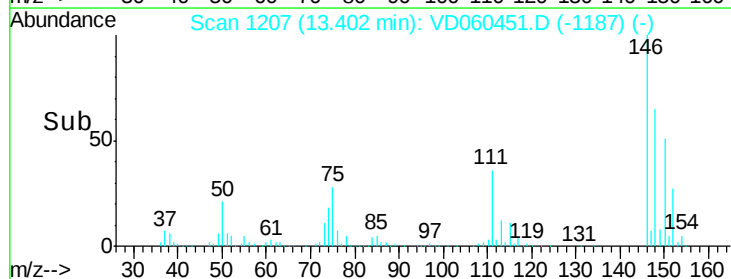
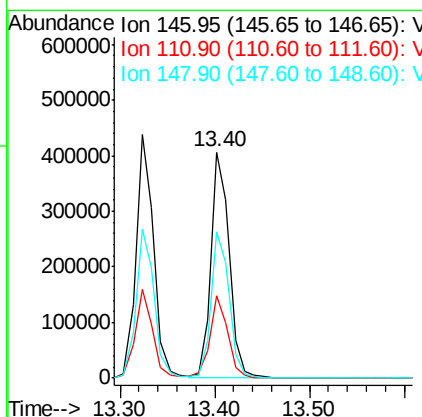
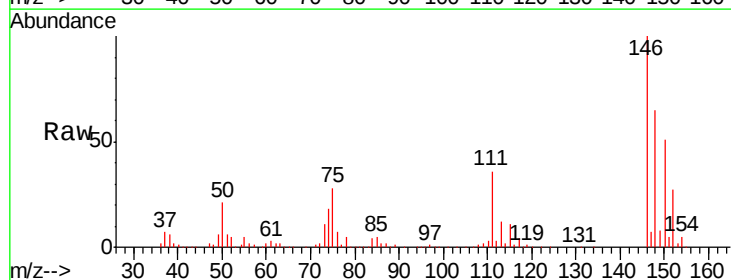
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

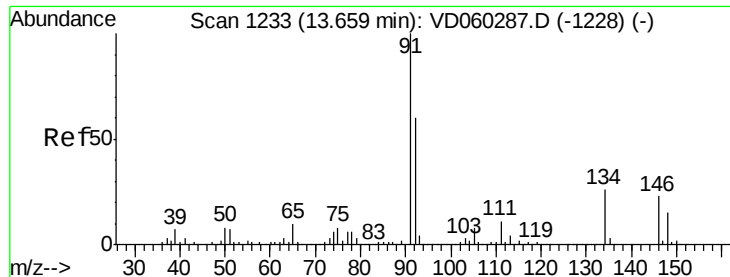
Tgt Ion:146 Resp: 573310
 Ion Ratio Lower Upper
 146 100
 111 36.4 20.2 60.5
 148 61.2 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 22.31 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Tgt Ion:146 Resp: 550468
 Ion Ratio Lower Upper
 146 100
 111 36.5 16.0 47.9
 148 64.5 32.9 98.7

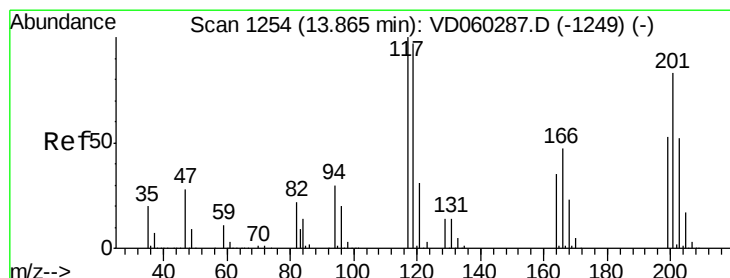
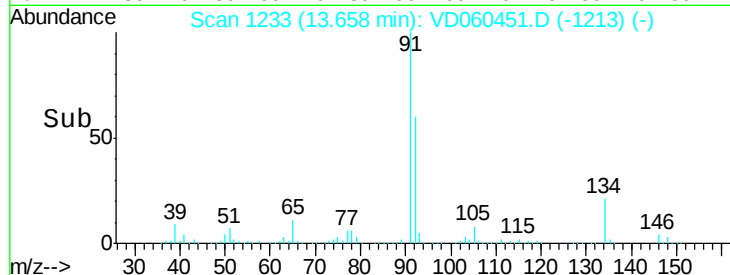
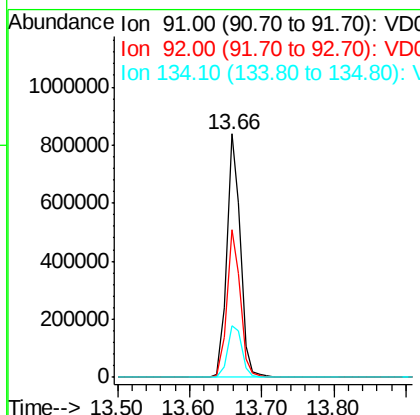
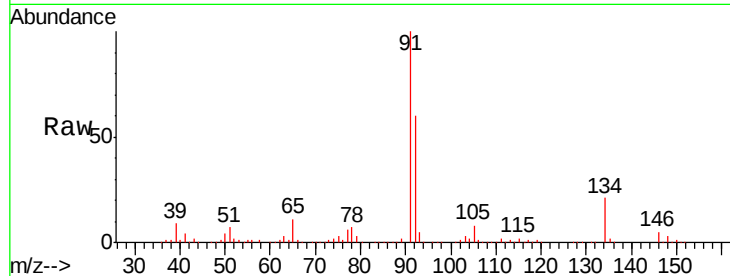




#89
n-Butylbenzene
Concen: 21.88 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

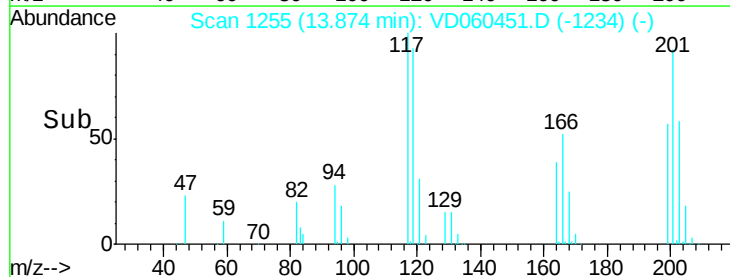
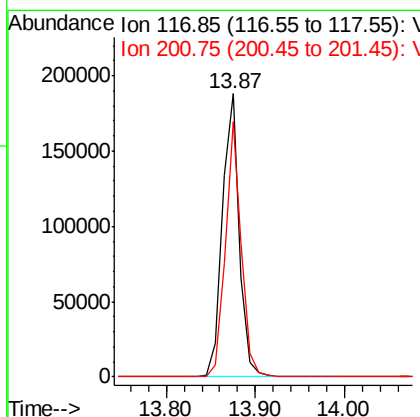
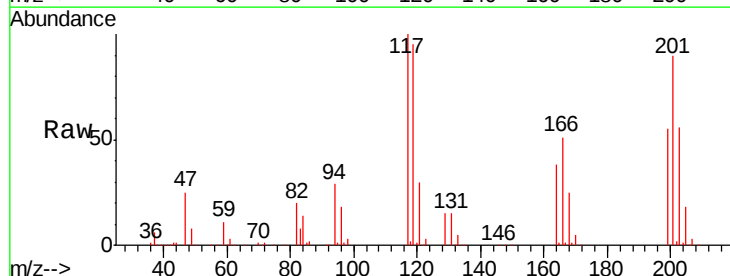
Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

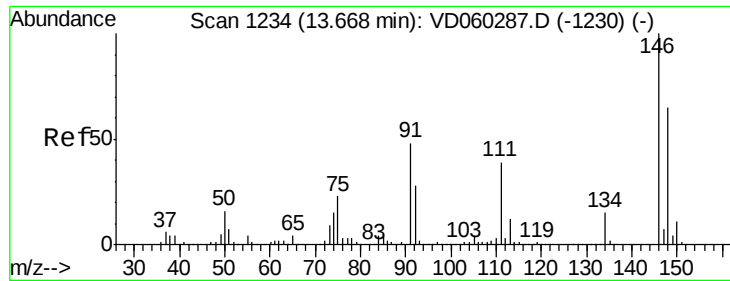
Tgt Ion: 91 Resp: 1085762
Ion Ratio Lower Upper
91 100
92 60.4 30.3 90.9
134 21.4 13.0 38.9



#90
Hexachloroethane
Concen: 23.36 ug/l
RT: 13.87 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD060451.D
Acq: 26 Nov 2018 12:44

Tgt Ion: 117 Resp: 252454
Ion Ratio Lower Upper
117 100
201 90.1 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 23.23 ug/l

RT: 13.68 min Scan# 1235

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

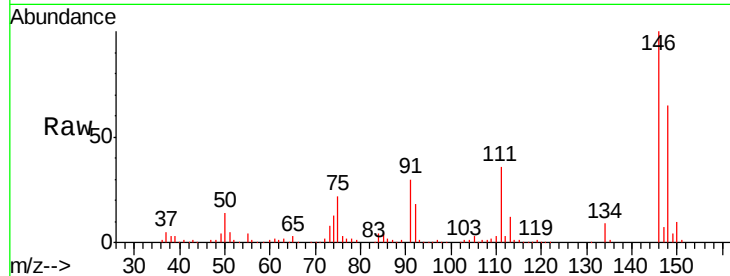
Tgt Ion:146 Resp: 482120

Ion Ratio Lower Upper

146 100

111 36.2 18.9 56.9

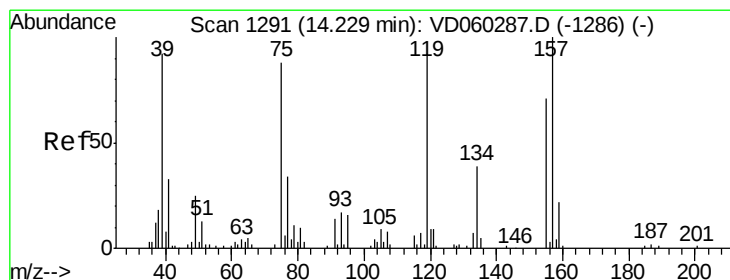
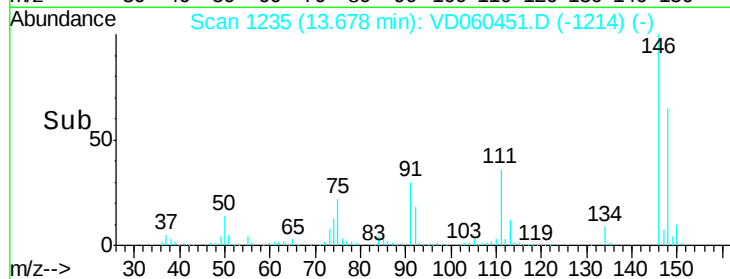
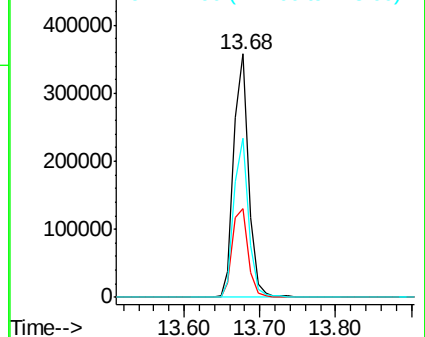
148 65.2 31.6 94.8



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: 20.89 ug/l

RT: 14.24 min Scan# 1292

Delta R.T. 0.01 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

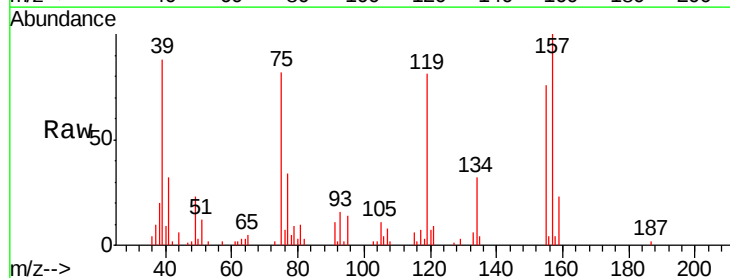
Tgt Ion: 75 Resp: 22050

Ion Ratio Lower Upper

75 100

155 92.9 64.3 192.9

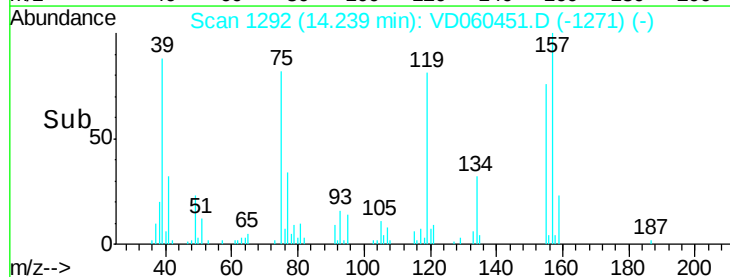
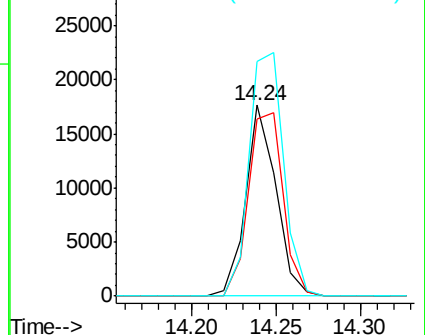
157 122.7 81.0 243.1

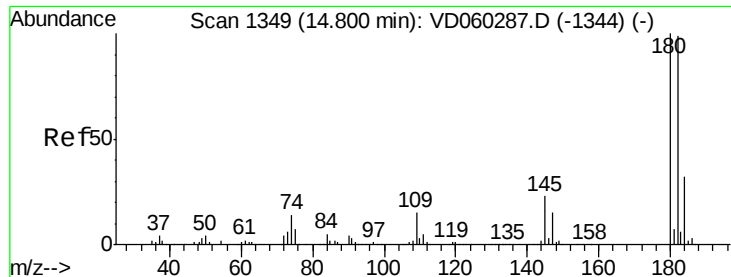


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

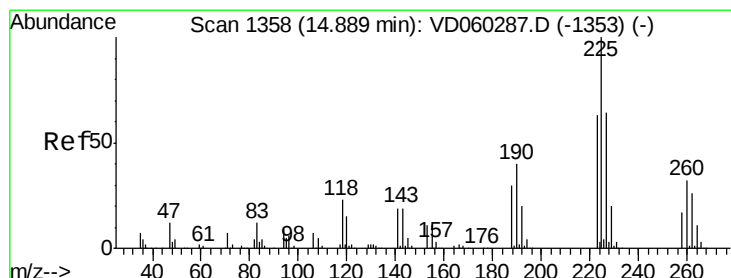
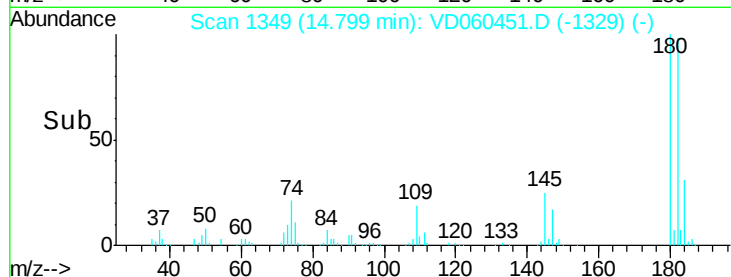
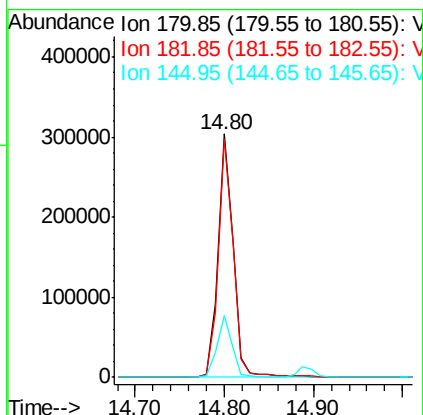
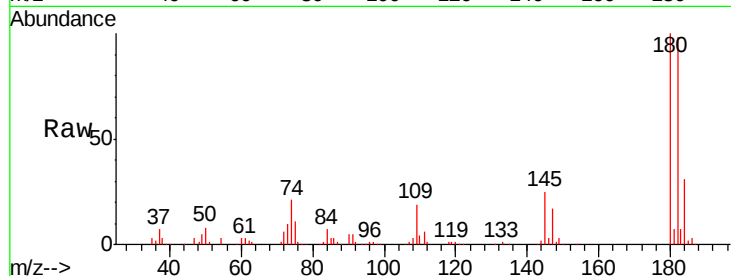




#93
 1,2,4-Trichlorobenzene
 Concen: 22.14 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

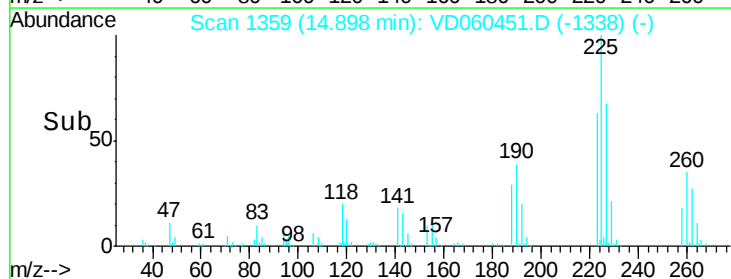
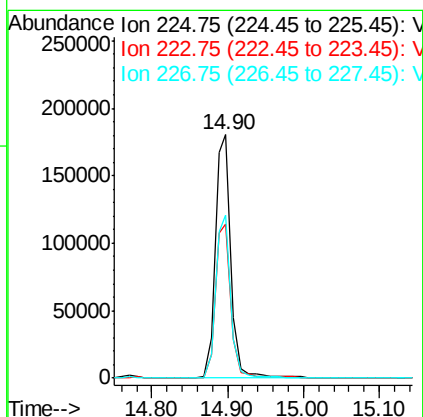
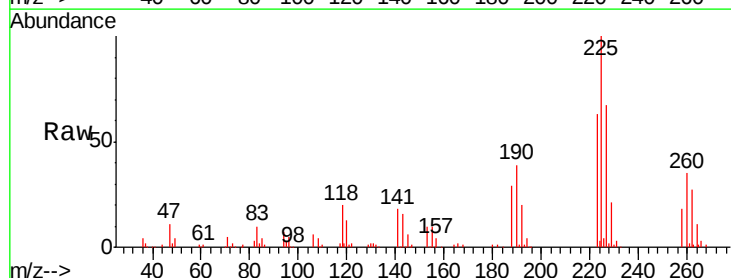
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

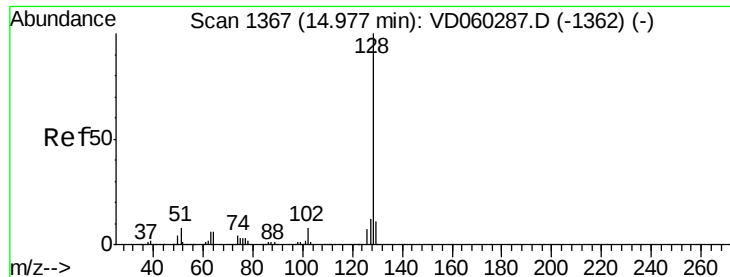
Tgt Ion:180 Resp: 364310
 Ion Ratio Lower Upper
 180 100
 182 98.2 48.1 144.4
 145 25.3 11.5 34.4



#94
 Hexachlorobutadiene
 Concen: 21.50 ug/l
 RT: 14.90 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD060451.D
 Acq: 26 Nov 2018 12:44

Tgt Ion:225 Resp: 264572
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.6 94.8
 227 67.1 32.3 96.9





#95

Naphthalene

Concen: 22.30 ug/l

RT: 14.98 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

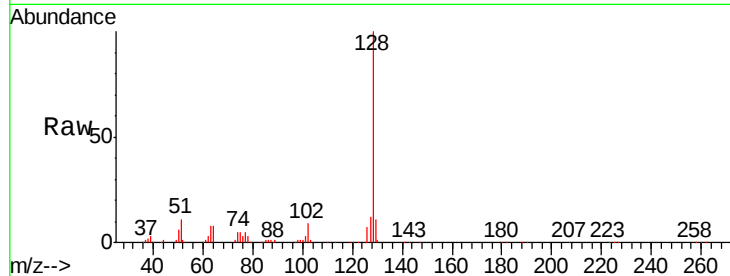
Tgt Ion:128 Resp: 447890

Ion Ratio Lower Upper

128 100

127 11.5 9.6 14.4

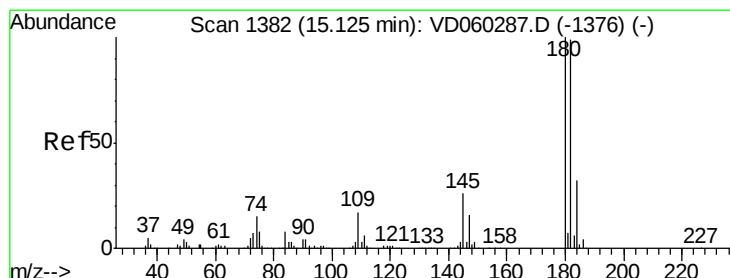
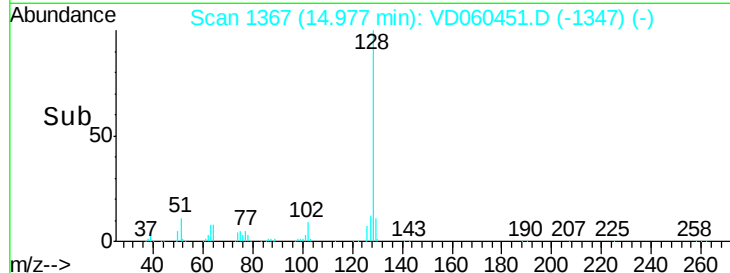
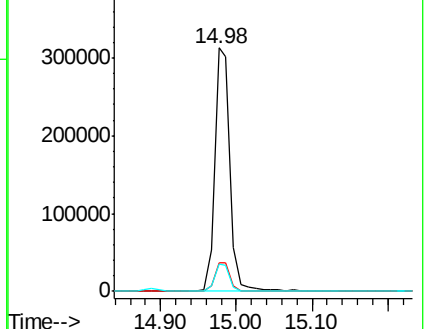
129 11.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.47 ug/l

RT: 15.12 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VD060451.D

Acq: 26 Nov 2018 12:44

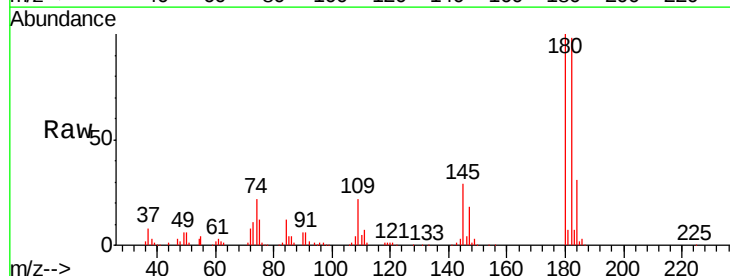
Tgt Ion:180 Resp: 283082

Ion Ratio Lower Upper

180 100

182 97.5 48.9 146.7

145 29.4 12.9 38.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

