

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111218\
 Data File : VD060332.D
 Acq On : 12 Nov 2018 12:44
 Operator : JC/SY
 Sample : VD1112SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Quant Time: Nov 13 00:39:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1812818	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	2467956	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1964111	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	1014434	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	647103	49.85	ug/l	-0.03
Spiked Amount			Recovery	=	99.70%	
35) Dibromofluoromethane	6.31	113	946075	51.41	ug/l	-0.03
Spiked Amount			Recovery	=	102.82%	
50) Toluene-d8	9.44	98	2723498	50.56	ug/l	-0.03
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.42	95	963328	49.36	ug/l	-0.02
Spiked Amount			Recovery	=	98.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	350631	22.103	ug/l	99
3) Chloromethane	1.76	50	338374	19.705	ug/l	98
4) Vinyl Chloride	1.86	62	288425	20.567	ug/l	99
5) Bromomethane	2.15	94	50063	15.047	ug/l	98
6) Chloroethane	2.26	64	74300	15.968	ug/l	93
7) Trichlorofluoromethane	2.51	101	320258	19.370	ug/l	99
8) Diethyl Ether	2.82	74	55800	18.641	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.09	101	221196	20.341	ug/l	97
10) Methyl Iodide	3.25	142	260848	18.469	ug/l	99
11) Tert butyl alcohol	3.97	59	46875	87.944	ug/l #	89
12) 1,1-Dichloroethene	3.07	96	177139	20.026	ug/l	96
13) Acrolein	2.98	56	53923	85.618	ug/l	93
14) Allyl chloride	3.53	41	332490	19.645	ug/l	100
15) Acrylonitrile	4.07	53	295432	95.049	ug/l	99
16) Acetone	3.16	43	213867	94.987	ug/l	99
17) Carbon Disulfide	3.31	76	552862	19.364	ug/l	100
18) Methyl Acetate	3.55	43	80776	16.826	ug/l	94
19) Methyl tert-butyl Ether	4.11	73	524045	19.785	ug/l	99
20) Methylene Chloride	3.71	84	468208	23.442	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	398997	20.316	ug/l	98
22) Diisopropyl ether	4.84	45	1258134	19.897	ug/l	93
23) Vinyl Acetate	4.79	43	3196230	101.587	ug/l	99
24) 1,1-Dichloroethane	4.74	63	654548	20.187	ug/l	99
25) 2-Butanone	5.61	43	454097	97.030	ug/l	96
26) 2,2-Dichloropropane	5.57	77	525273	20.837	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	408335	19.957	ug/l	94
28) Bromochloromethane	5.91	49	295921	20.684	ug/l	90
29) Tetrahydrofuran	5.93	42	234818	95.168	ug/l	99
30) Chloroform	6.09	83	653650	20.165	ug/l	98
31) Cyclohexane	6.35	56	618298	19.951	ug/l	97
32) 1,1,1-Trichloroethane	6.28	97	554488	20.307	ug/l	99
36) 1,1-Dichloropropene	6.50	75	512148	21.005	ug/l	97
37) Ethyl Acetate	5.69	43	207799	18.521	ug/l	98
38) Carbon Tetrachloride	6.48	117	463630	20.498	ug/l	96

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 Sample : VD1112SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	571377	20.375	ug/l	100
40) Benzene	6.78	78	1309219	21.035	ug/l	99
41) Methacrylonitrile	5.93	41	256179	19.949	ug/l #	97
42) 1,2-Dichloroethane	6.88	62	323671	19.869	ug/l	99
43) Isopropyl Acetate	8.33	43	266713	18.925	ug/l #	97
44) Trichloroethene	7.72	130	389060	20.621	ug/l	99
45) 1,2-Dichloropropane	8.09	63	324105	20.648	ug/l	99
46) Dibromomethane	8.20	93	187278	20.371	ug/l	99
47) Bromodichloromethane	8.47	83	447828	20.672	ug/l	99
48) Methyl methacrylate	8.23	41	173079	20.218	ug/l	97
49) 1,4-Dioxane	8.21	88	30495	411.708	ug/l #	86
51) 4-Methyl-2-Pentanone	9.32	43	901254	98.252	ug/l	98
52) Toluene	9.54	92	821042	20.652	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	371377	20.289	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	478317	20.374	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	227561	19.748	ug/l	97
56) Ethyl methacrylate	10.02	69	208441	19.674	ug/l	97
57) 1,3-Dichloropropane	10.36	76	348747	19.862	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	680901	106.288	ug/l	100
59) 2-Hexanone	10.47	43	692422	105.910	ug/l	100
60) Dibromochloromethane	10.63	129	283239	20.221	ug/l	99
61) 1,2-Dibromoethane	10.75	107	230670	19.979	ug/l	98
64) Tetrachloroethene	10.23	164	356002	20.303	ug/l	97
65) Chlorobenzene	11.30	112	861579	20.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	290318	20.850	ug/l	97
67) Ethyl Benzene	11.41	91	1553174	21.335	ug/l	98
68) m/p-Xylenes	11.55	106	1143054	42.565	ug/l	98
69) o-Xylene	11.93	106	528471	20.370	ug/l	95
70) Styrene	11.95	104	842085	20.084	ug/l	99
71) Bromoform	12.10	173	185918	19.870	ug/l	98
73) Isopropylbenzene	12.26	105	1513056	20.472	ug/l	100
74) N-amyl acetate	12.12	43	359642	18.980	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	228652	18.917	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	231795	19.101	ug/l	99
77) Bromobenzene	12.53	156	386234	19.674	ug/l	95
78) n-propylbenzene	12.63	91	1953978	21.181	ug/l	97
79) 2-Chlorotoluene	12.69	91	1016835	20.125	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	1189815	20.715	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	65429	18.939	ug/l	94
82) 4-Chlorotoluene	12.80	91	1178143	20.758	ug/l	88
83) tert-Butylbenzene	13.04	119	1325026	20.778	ug/l	99
84) 1,2,4-Trimethylbenzene	13.08	105	1186144	20.678	ug/l	99
85) sec-Butylbenzene	13.22	105	1608195	20.555	ug/l	94
86) p-Isopropyltoluene	13.33	119	1312792	20.836	ug/l	100
87) 1,3-Dichlorobenzene	13.30	146	733885	21.011	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	710863	20.839	ug/l	99
89) n-Butylbenzene	13.64	91	1297532	18.574	ug/l	97
90) Hexachloroethane	13.85	117	301049	20.151	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	573355	19.985	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	27203	18.644	ug/l	91

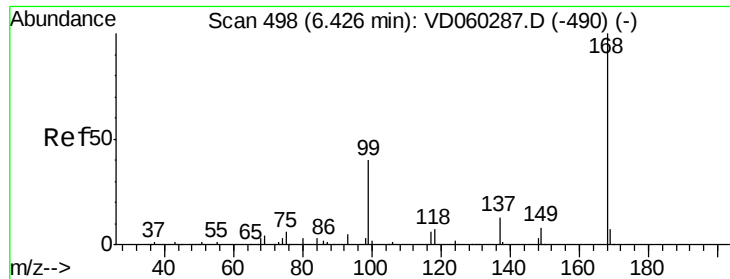
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111218\
Data File : VD060332.D
Acq On : 12 Nov 2018 12:44
Operator : JC/SY
Sample : VD1112SBSD01
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Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Nov 13 00:39:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	452408	19.889	ug/l	98
94) Hexachlorobutadiene	14.87	225	346944	20.392	ug/l	99
95) Naphthalene	14.96	128	537364	19.347	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	367400	20.156	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

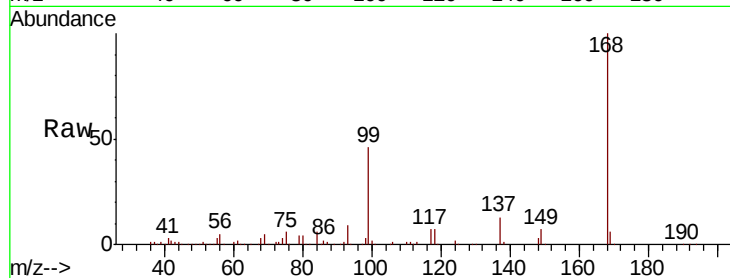
VD1112SBSD01

Tot Ion:168 Resp: 1812818

Ion Ratio Lower Upper

168 100

99 46.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

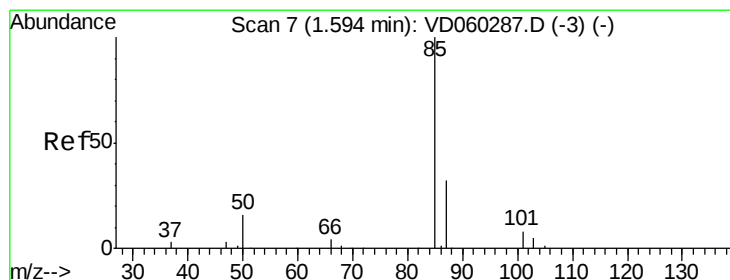
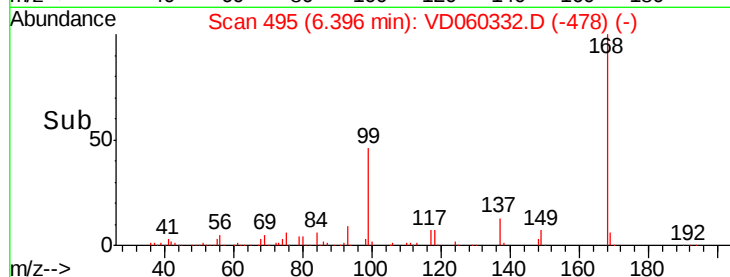
600000

400000

200000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 22.103 ug/l

RT: 1.59 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060332.D

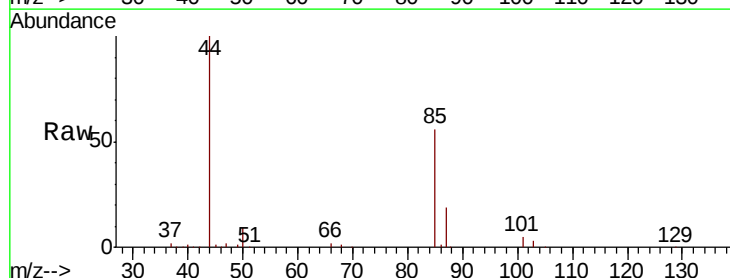
Acq: 12 Nov 2018 12:44

Tgt Ion: 85 Resp: 350631

Ion Ratio Lower Upper

85 100

87 33.9 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

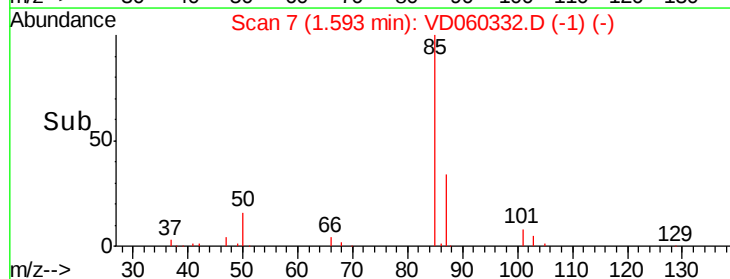
150000

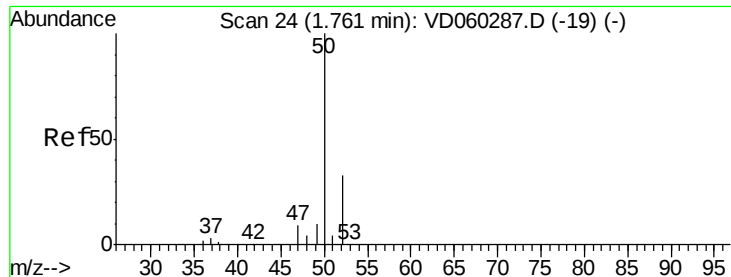
100000

50000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 19.705 ug/l

RT: 1.76 min Scan# 24

Delta R.T. -0.00 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

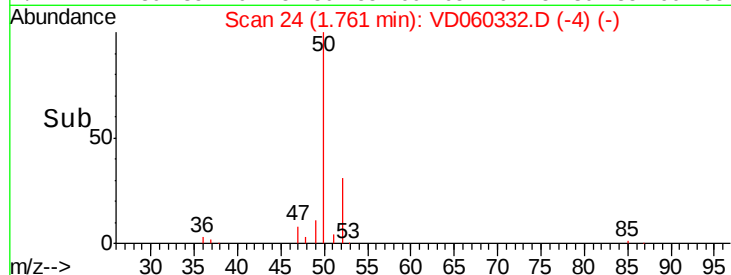
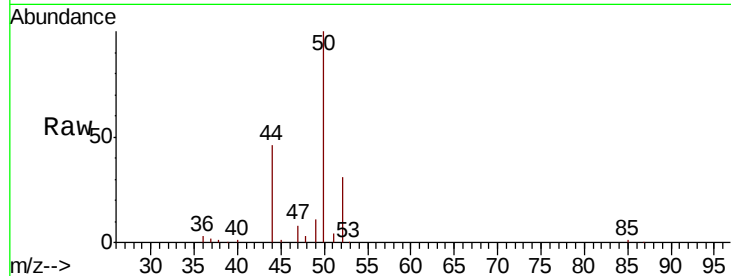
VD1112SBSD01

Tot Ion: 50 Resp: 338374

Ion Ratio Lower Upper

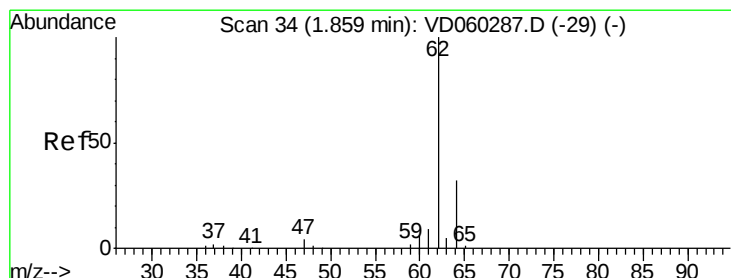
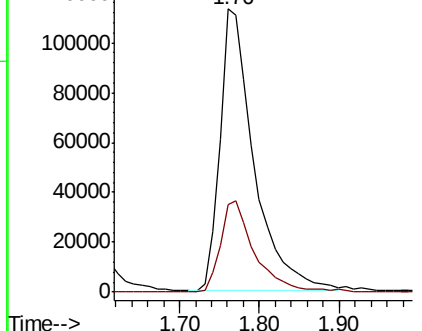
50 100

52 30.9 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: 20.567 ug/l

RT: 1.86 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD060332.D

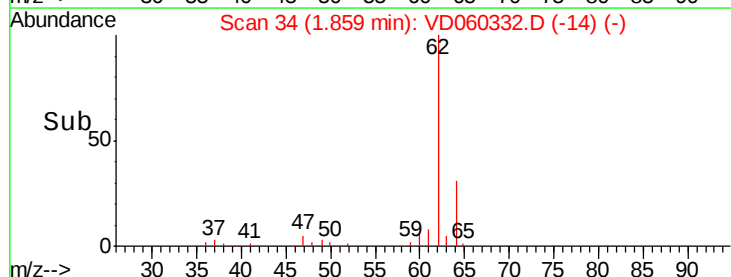
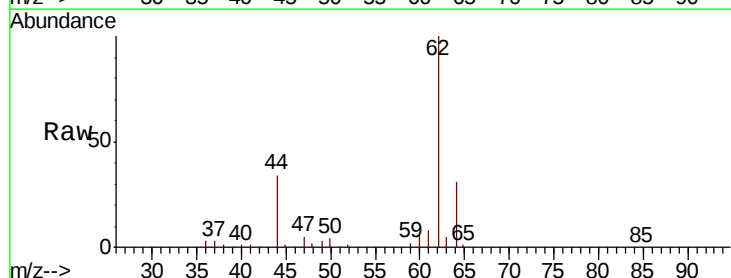
Acq: 12 Nov 2018 12:44

Tgt Ion: 62 Resp: 288425

Ion Ratio Lower Upper

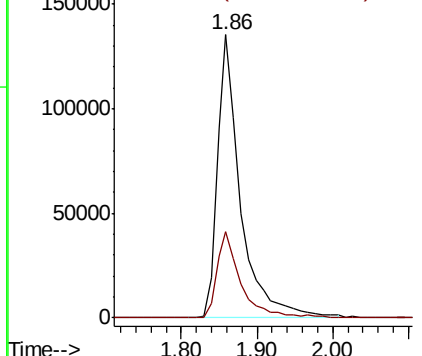
62 100

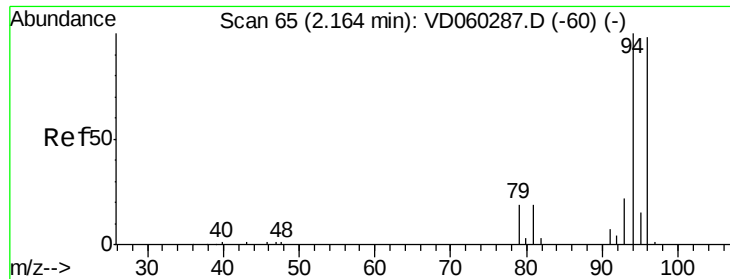
64 30.5 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.047 ug/l

RT: 2.15 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

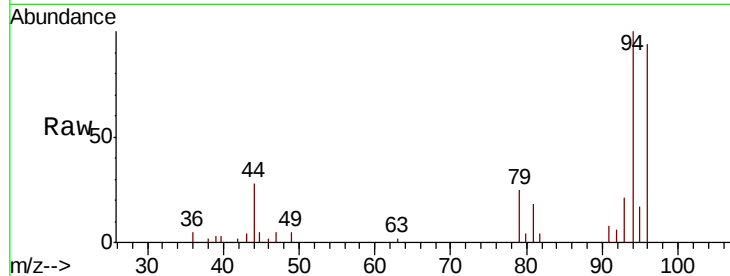
VD1112SBS01

Tot Ion: 94 Resp: 50063

Ion Ratio Lower Upper

94 100

96 94.2 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.15

20000

15000

10000

5000

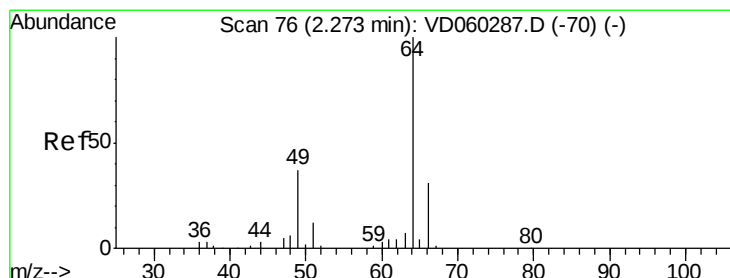
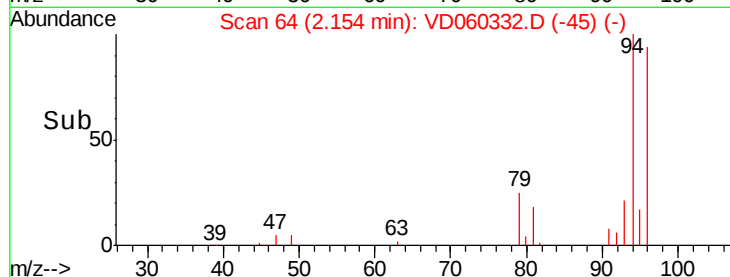
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Time-->

2.10

2.20

2.30



#6

Chloroethane

Concen: 15.968 ug/l

RT: 2.26 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060332.D

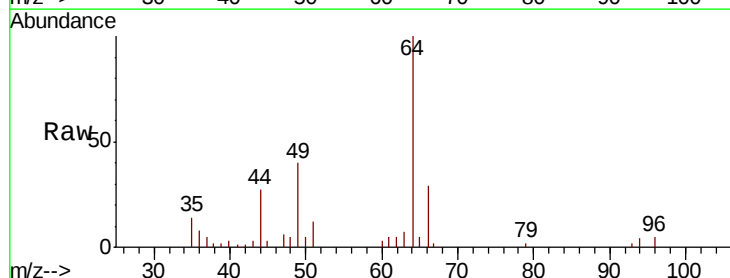
Acq: 12 Nov 2018 12:44

Tgt Ion: 64 Resp: 74300

Ion Ratio Lower Upper

64 100

66 29.3 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.26

30000

25000

20000

15000

10000

5000

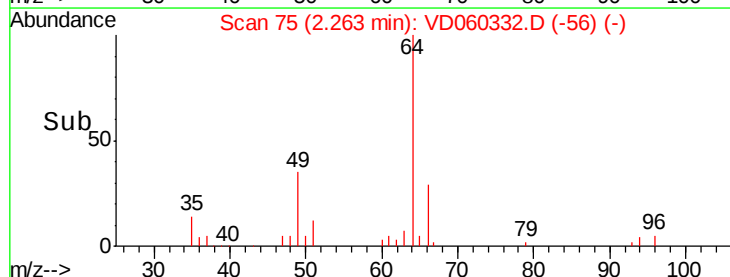
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Time-->

2.20

2.30

2.40



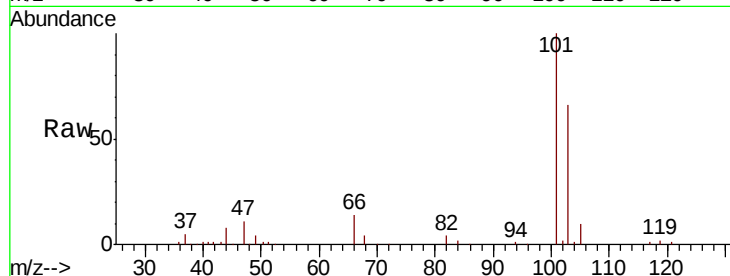


#7

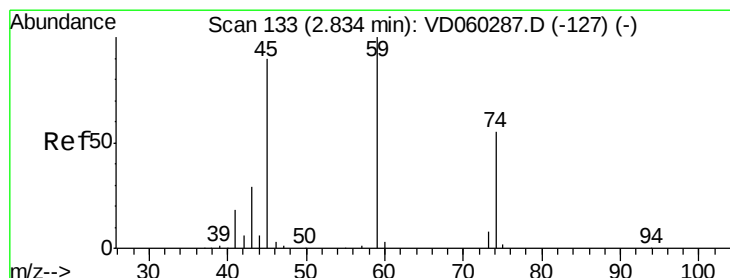
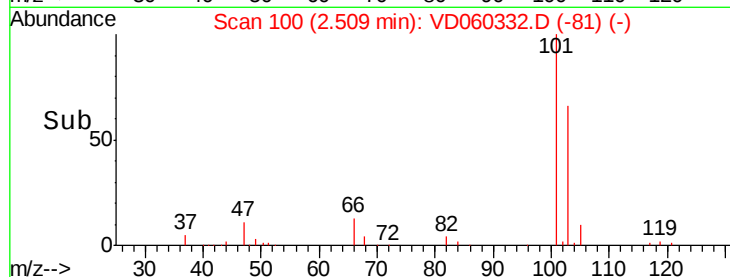
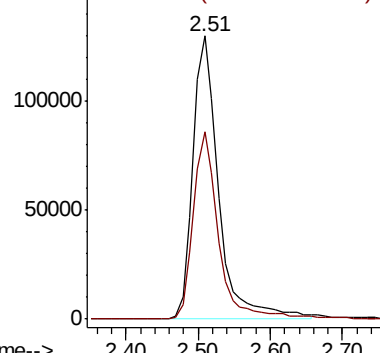
Trichlorofluoromethane
 Concen: 19.370 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: VD060332.D
 Acq: 12 Nov 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Tot Ion:101 Resp: 320258
 Ion Ratio Lower Upper
 101 100
 103 66.0 53.6 80.4



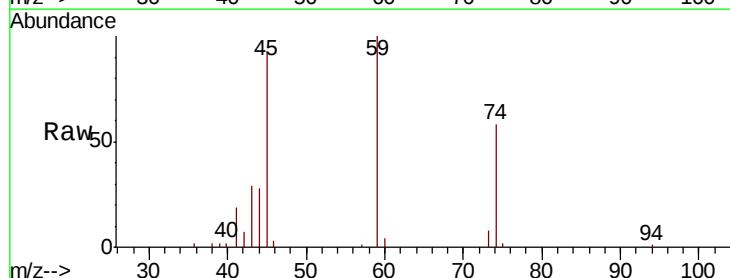
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



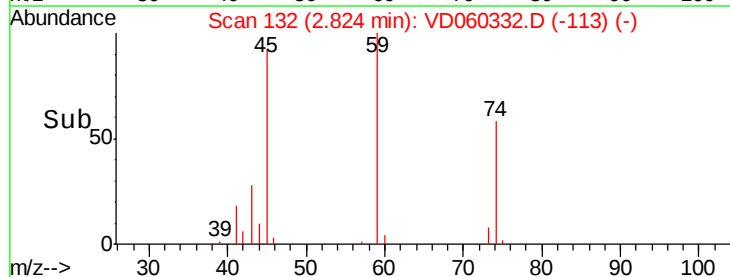
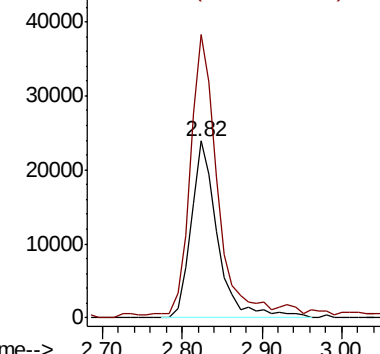
#8

Diethyl Ether
 Concen: 18.641 ug/l
 RT: 2.82 min Scan# 132
 Delta R.T. -0.01 min
 Lab File: VD060332.D
 Acq: 12 Nov 2018 12:44

Tgt Ion: 74 Resp: 55800
 Ion Ratio Lower Upper
 74 100
 45 160.3 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: 20.341 ug/l

RT: 3.09 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

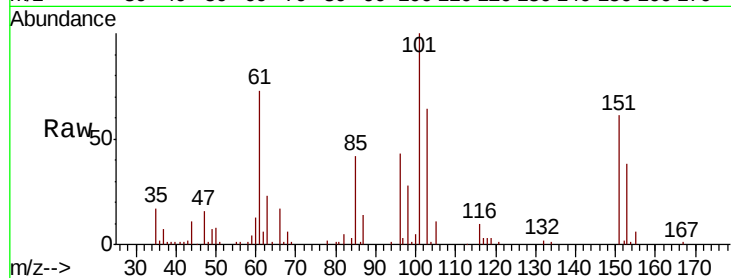
Tot Ion:101 Resp: 221196

Ion Ratio Lower Upper

101 100

85 41.6 31.4 47.0

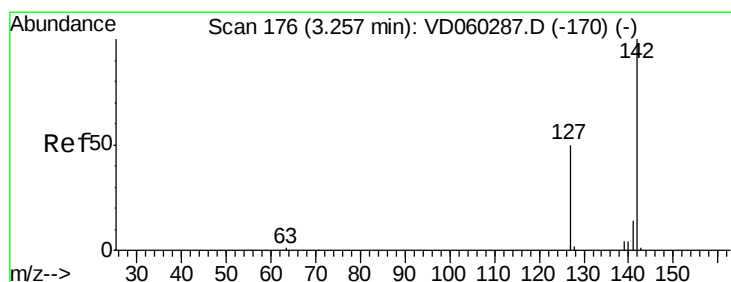
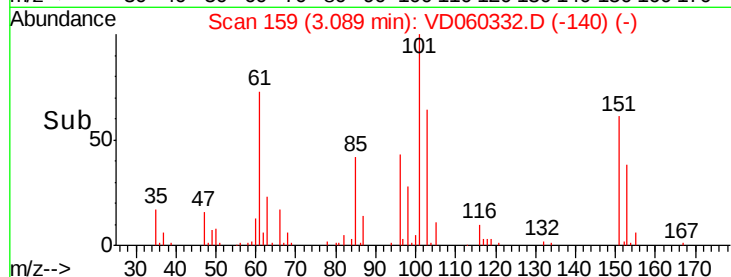
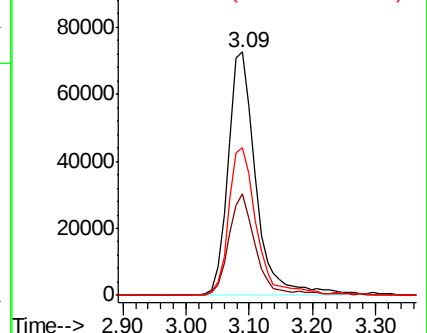
151 60.6 47.4 71.0



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: 18.469 ug/l

RT: 3.25 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

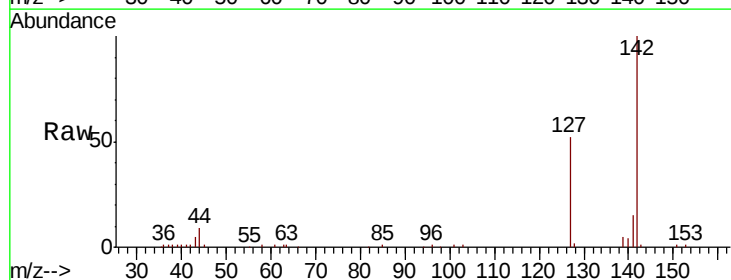
Tgt Ion:142 Resp: 260848

Ion Ratio Lower Upper

142 100

127 52.0 41.0 61.6

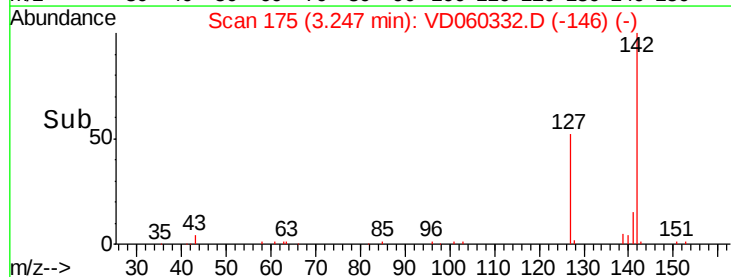
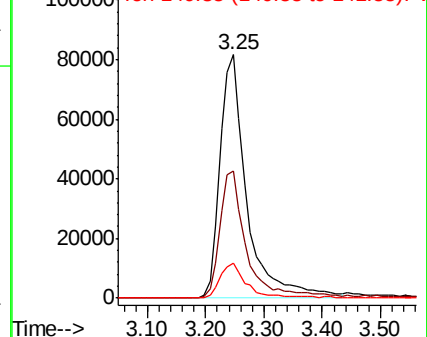
141 14.5 11.9 17.9

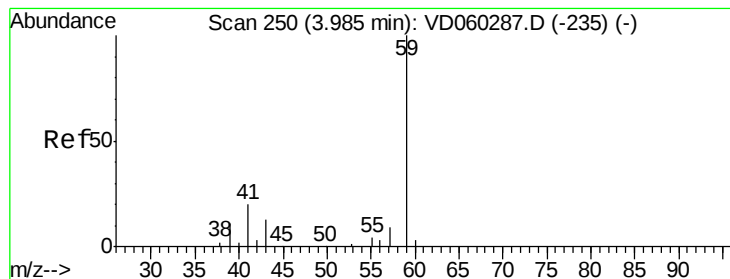


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 87.944 ug/l

RT: 3.97 min Scan# 248

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

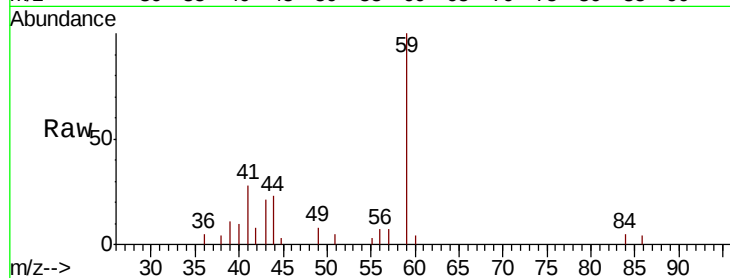
VD1112SBS01

Tot Ion: 59 Resp: 46875

Ion Ratio Lower Upper

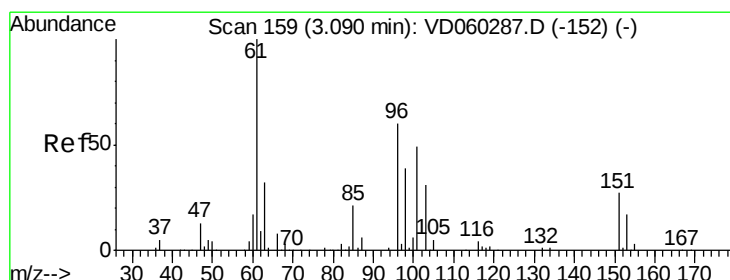
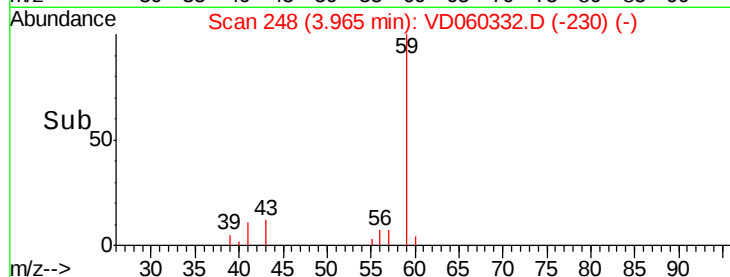
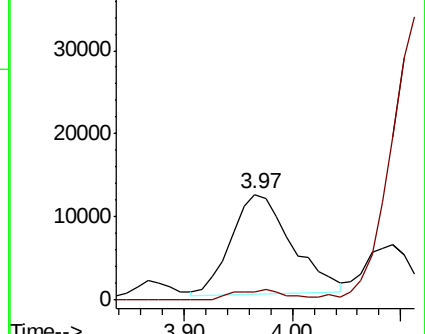
59 100

57 7.2 9.3 13.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 20.026 ug/l

RT: 3.07 min Scan# 157

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

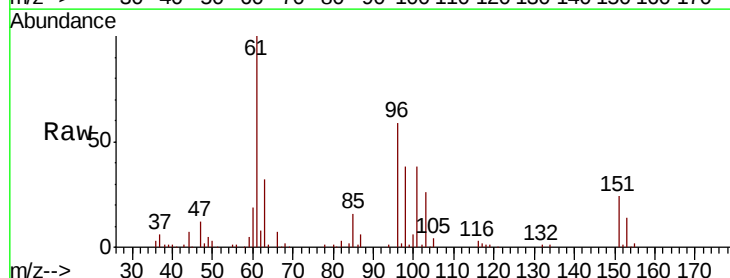
Tgt Ion: 96 Resp: 177139

Ion Ratio Lower Upper

96 100

61 169.6 142.2 213.4

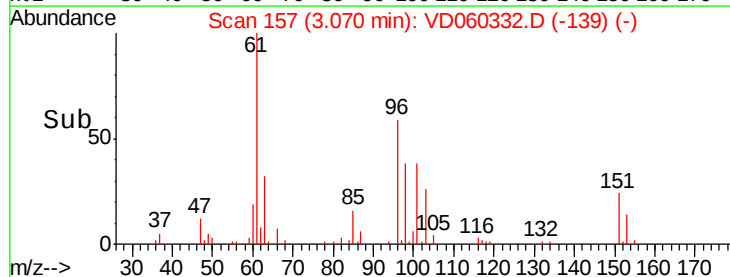
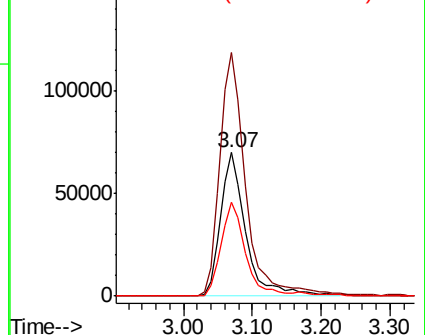
98 65.2 52.6 79.0

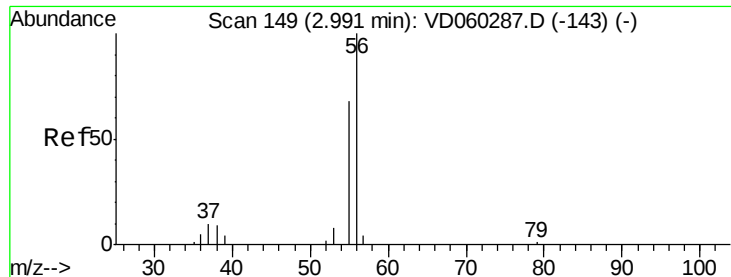


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 85.618 ug/l

RT: 2.98 min Scan# 148

Delta R.T. -0.01 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

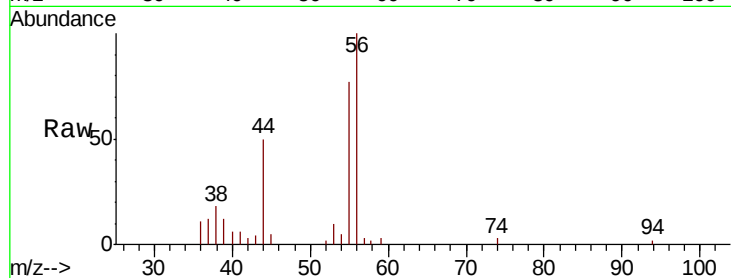
VD1112SBS01

Tot Ion: 56 Resp: 53923

Ion Ratio Lower Upper

56 100

55 77.3 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

10000

5000

0

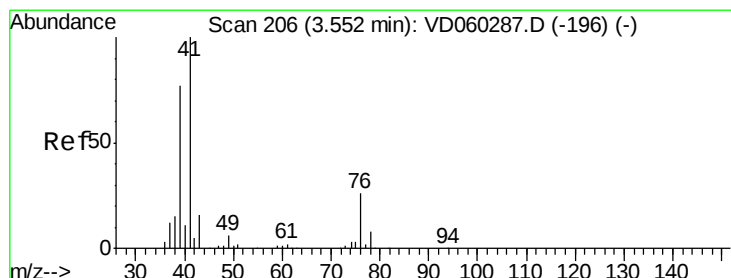
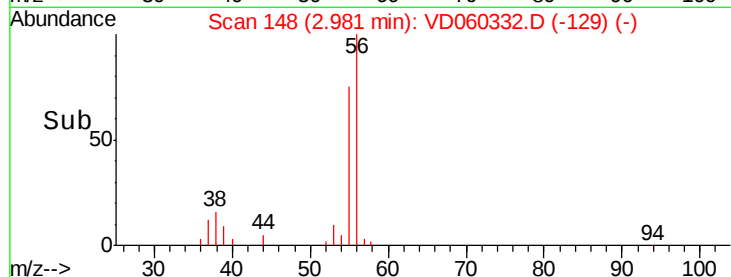
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 19.645 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

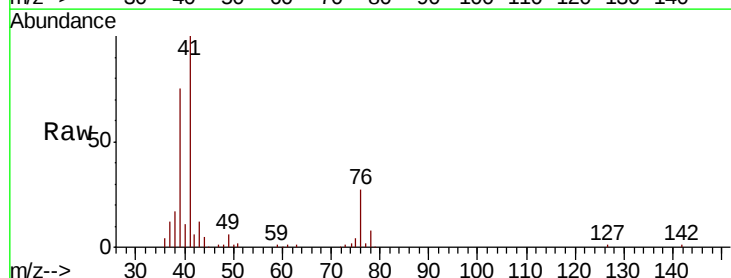
Tgt Ion: 41 Resp: 332490

Ion Ratio Lower Upper

41 100

39 75.5 60.4 90.6

76 27.0 21.8 32.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

100000

50000

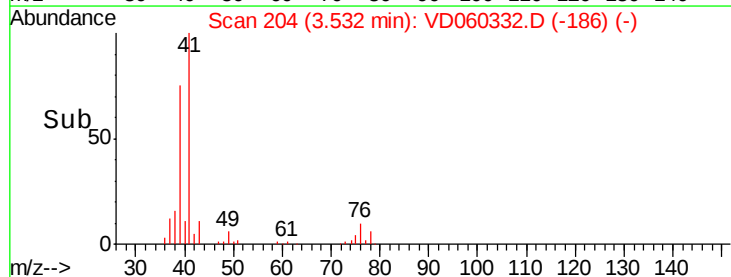
0

Time-->

3.40

3.50

3.60





#15

Acrylonitrile

Concen: 95.049 ug/l

RT: 4.07 min Scan# 259

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

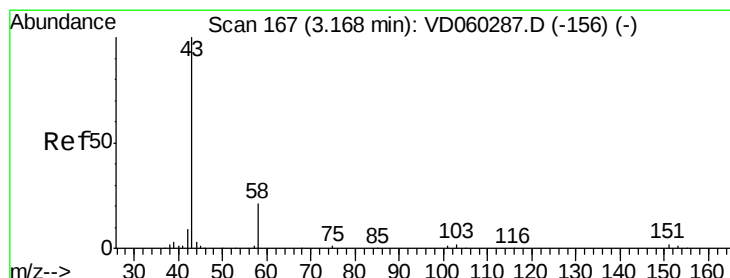
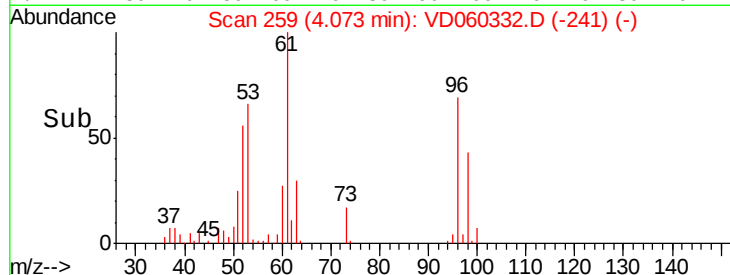
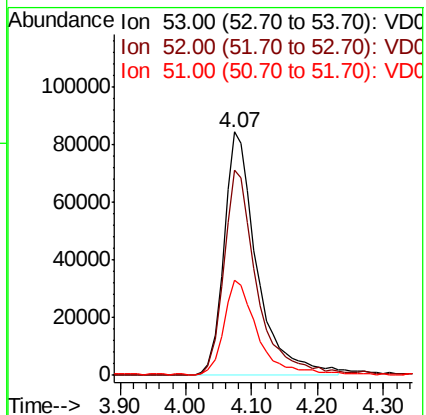
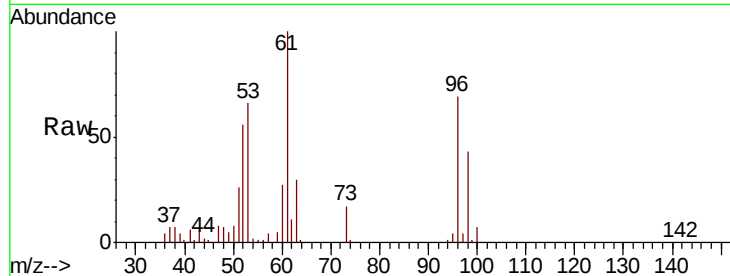
Tot Ion: 53 Resp: 295432

Ion Ratio Lower Upper

53 100

52 84.6 67.0 100.4

51 39.0 29.9 44.9



#16

Acetone

Concen: 94.987 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060332.D

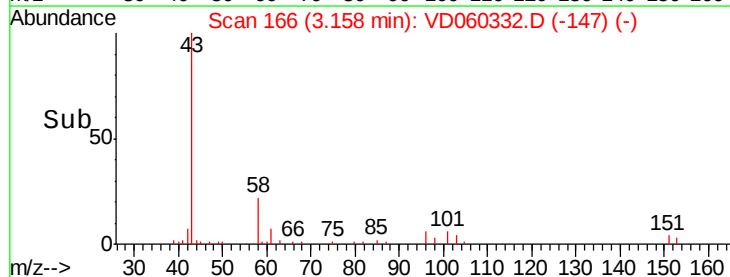
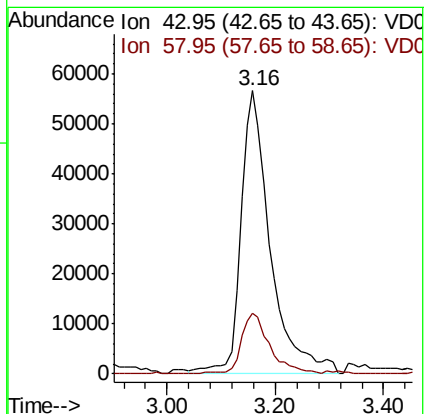
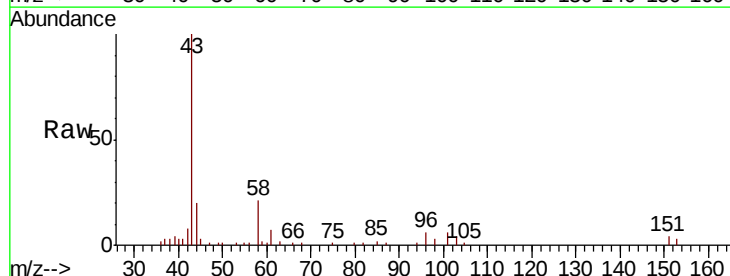
Acq: 12 Nov 2018 12:44

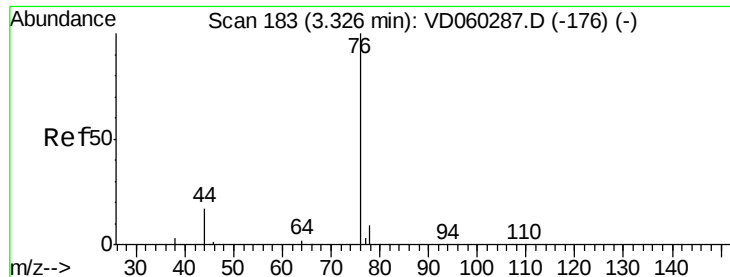
Tgt Ion: 43 Resp: 213867

Ion Ratio Lower Upper

43 100

58 21.4 16.9 25.3

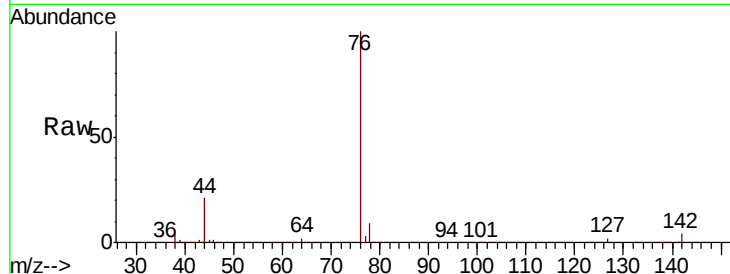




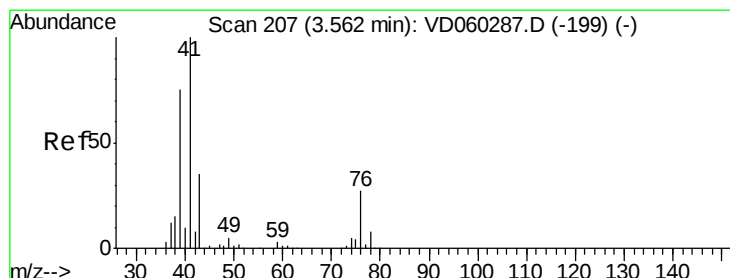
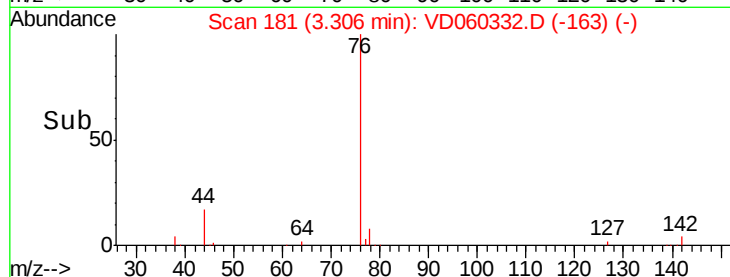
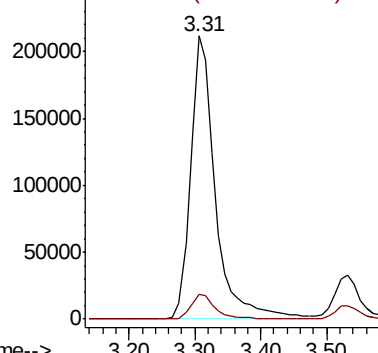
#17
Carbon Disulfide
Concen: 19.364 ug/l
RT: 3.31 min Scan# 181
Delta R.T. -0.02 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 76 Resp: 552862
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.4

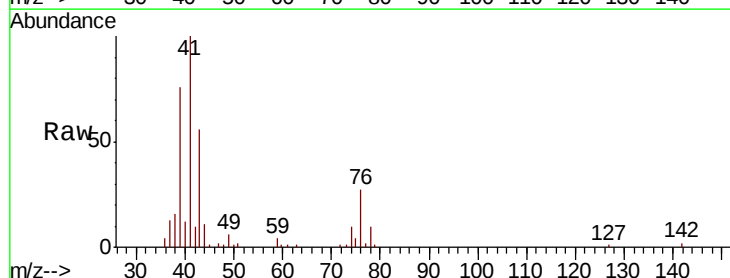


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

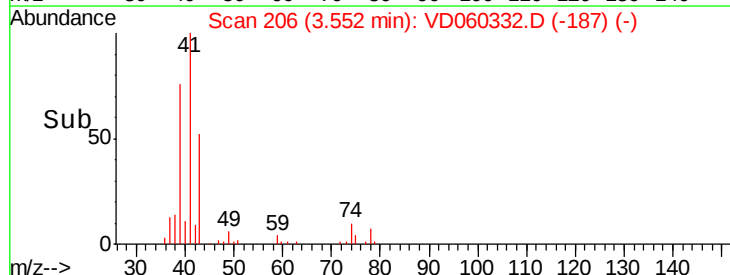
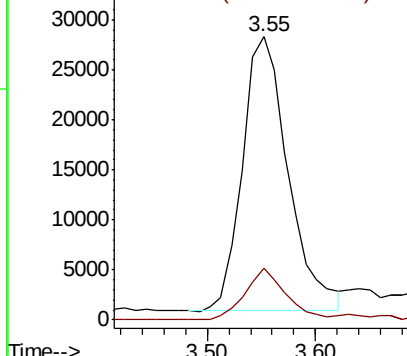


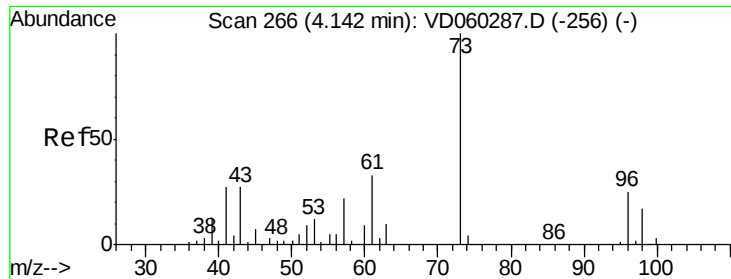
#18
Methyl Acetate
Concen: 16.826 ug/l
RT: 3.55 min Scan# 206
Delta R.T. -0.01 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Tgt Ion: 43 Resp: 80776
Ion Ratio Lower Upper
43 100
74 18.2 12.4 18.6



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

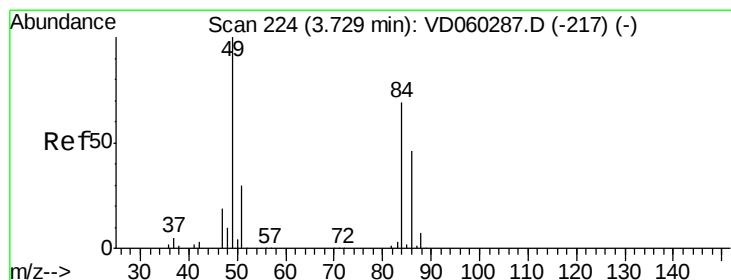
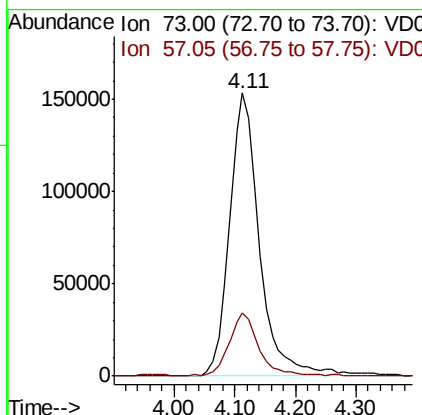
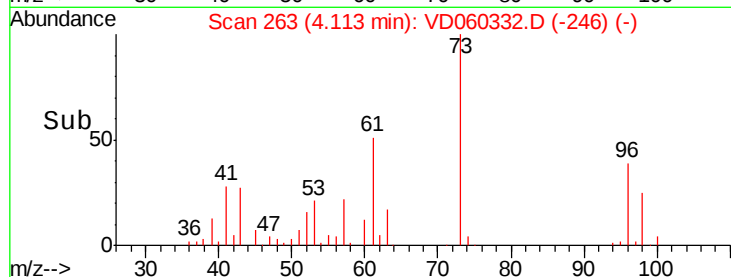
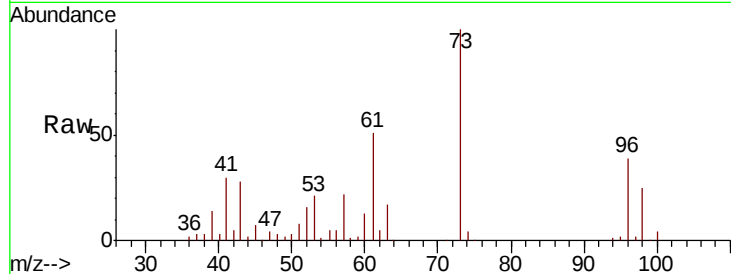




#19
Methyl tert-butyl Ether
Concen: 19.785 ug/l
RT: 4.11 min Scan# 263
Delta R.T. -0.03 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

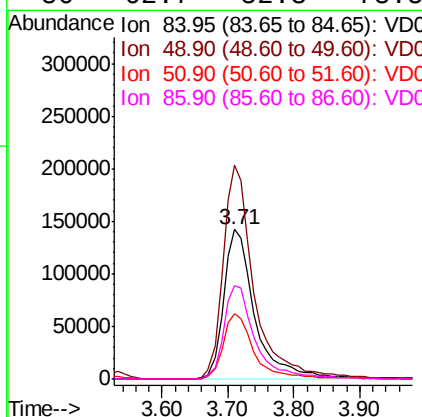
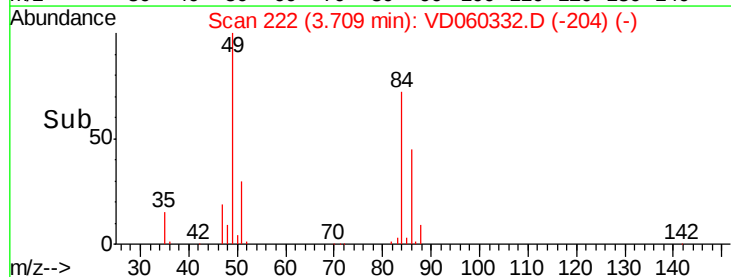
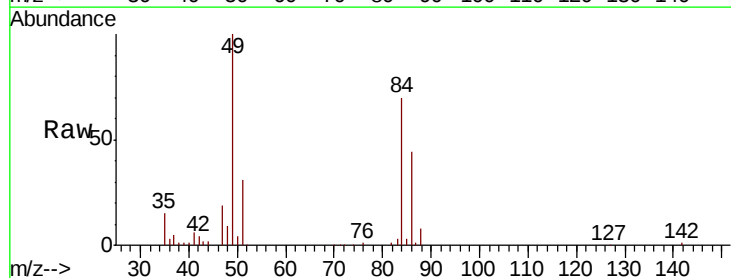
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

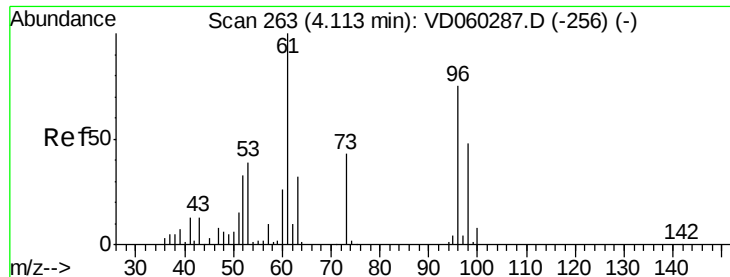
Tot Ion: 73 Resp: 524045
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1



#20
Methylene Chloride
Concen: 23.442 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Tgt Ion: 84 Resp: 468208
Ion Ratio Lower Upper
84 100
49 143.1 115.6 173.4
51 43.8 35.6 53.4
86 62.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.316 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

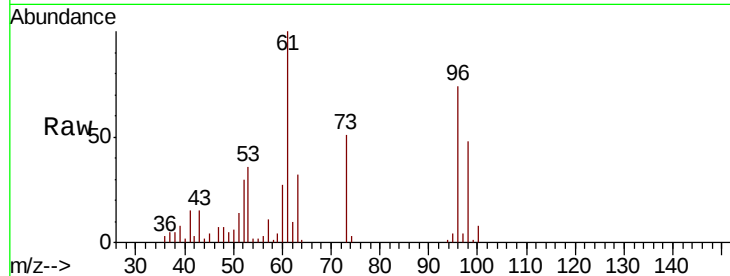
Tot Ion: 96 Resp: 398997

Ion Ratio Lower Upper

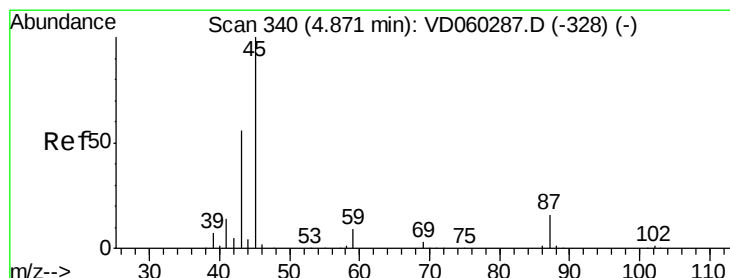
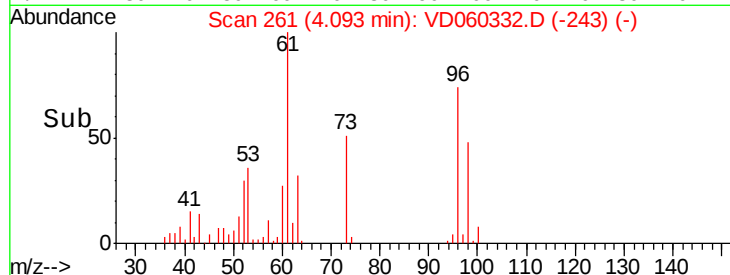
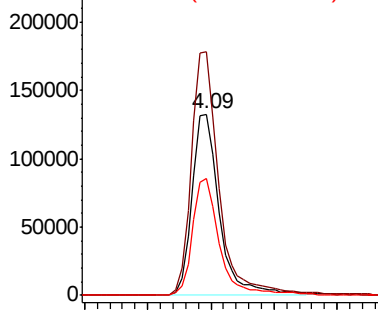
96 100

61 134.6 105.8 158.6

98 64.9 50.8 76.2



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



#22

Diisopropyl ether

Concen: 19.897 ug/l

RT: 4.84 min Scan# 337

Delta R.T. -0.03 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Tgt Ion: 45 Resp: 1258134

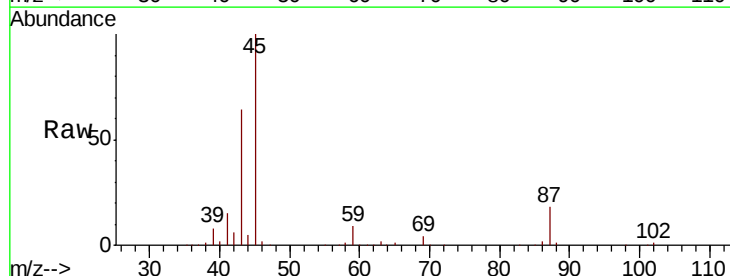
Ion Ratio Lower Upper

45 100

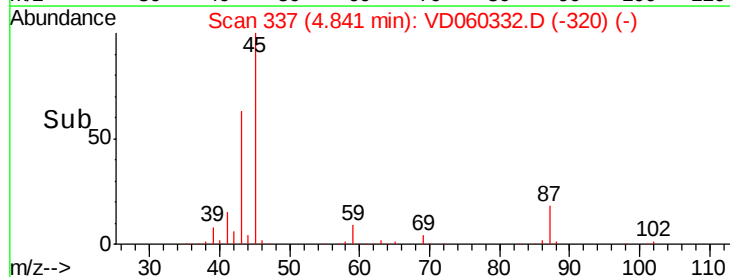
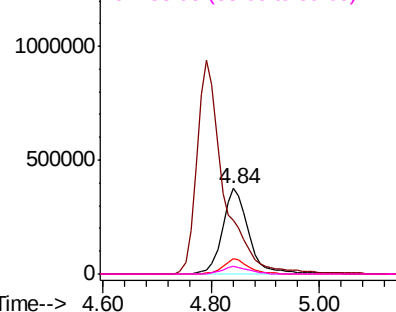
43 63.6 44.9 67.3

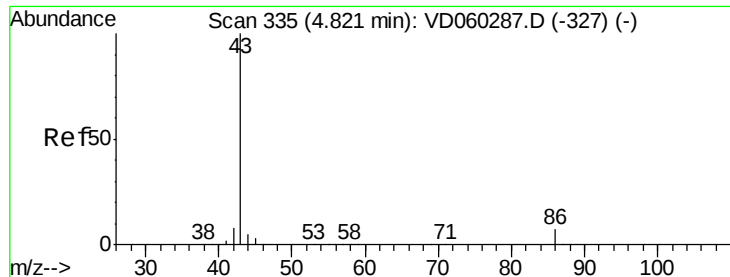
87 17.8 13.9 20.9

59 8.9 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: 101.587 ug/l

RT: 4.79 min Scan# 332

Delta R.T. -0.03 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

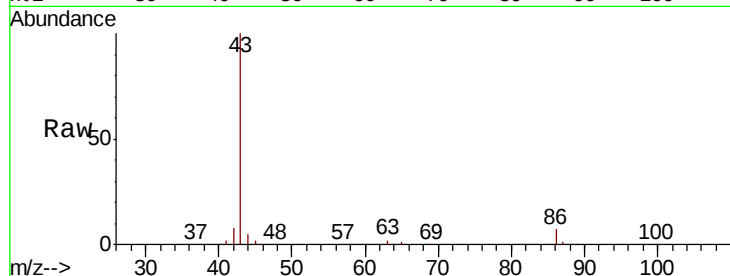
VD1112SBS01

Tot Ion: 43 Resp: 3196230

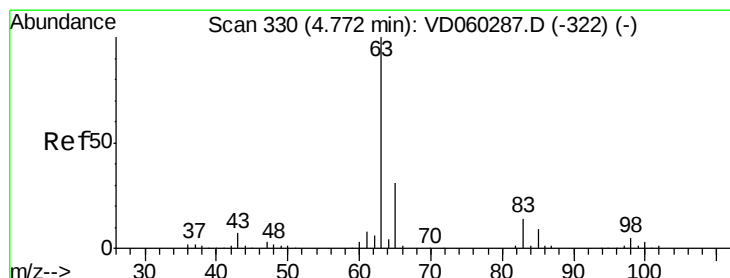
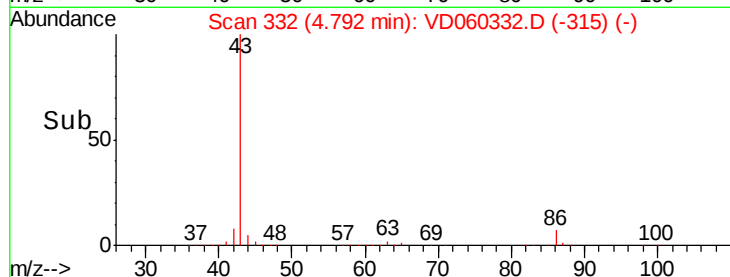
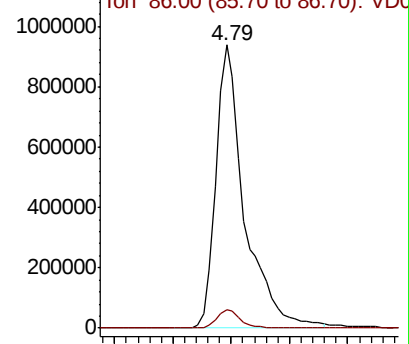
Ion Ratio Lower Upper

43 100

86 6.6 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VD060332.D (-315) (-)



#24

1,1-Dichloroethane

Concen: 20.187 ug/l

RT: 4.74 min Scan# 327

Delta R.T. -0.03 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

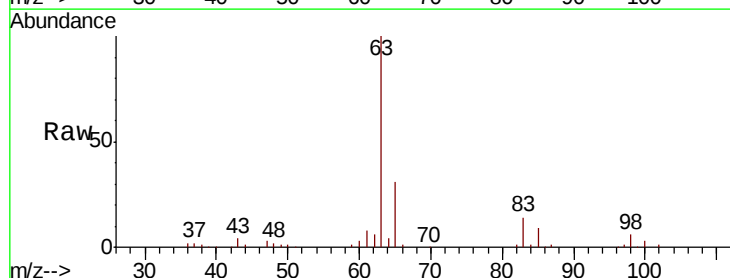
Tgt Ion: 63 Resp: 654548

Ion Ratio Lower Upper

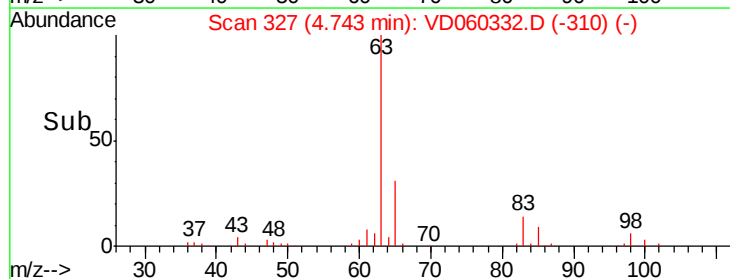
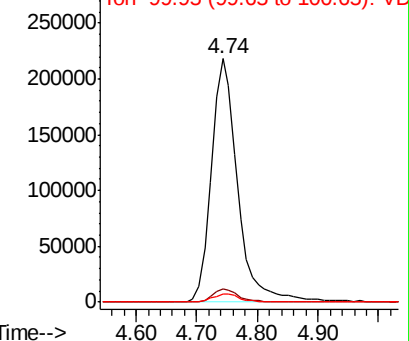
63 100

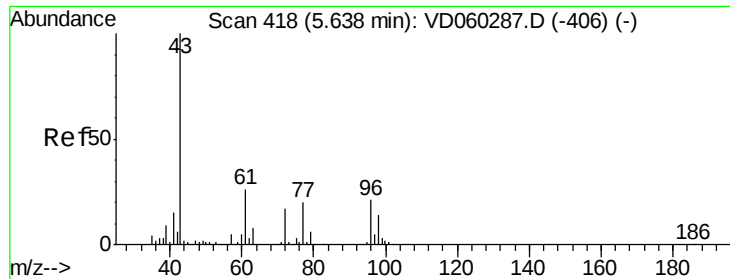
98 5.5 2.8 8.4

100 3.3 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD060332.D (-310) (-)





#25

2-Butanone

Concen: 97.030 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.03 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

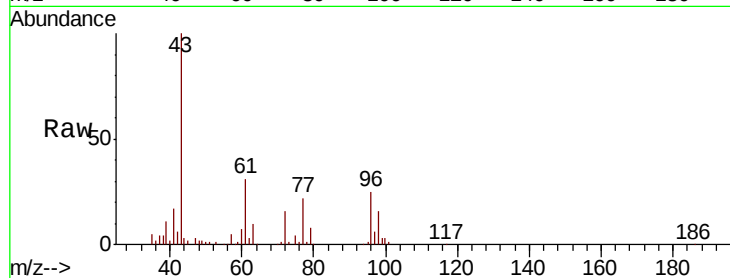
VD1112SBSD01

Tot Ion: 43 Resp: 454097

Ion Ratio Lower Upper

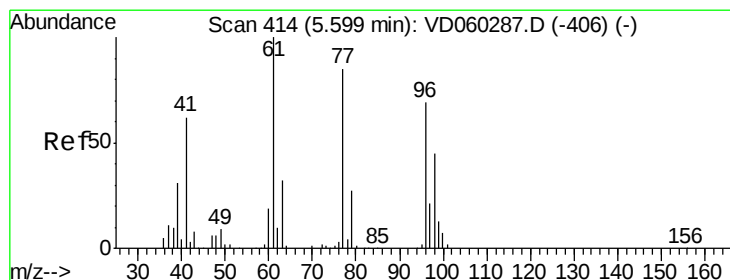
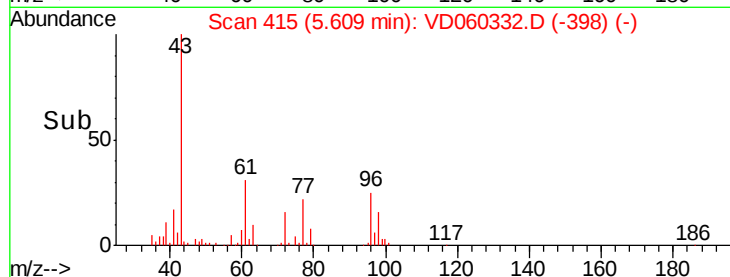
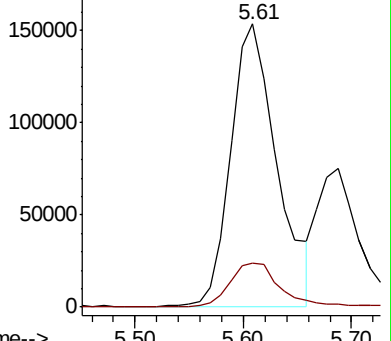
43 100

72 15.8 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.837 ug/l

RT: 5.57 min Scan# 411

Delta R.T. -0.03 min

Lab File: VD060332.D

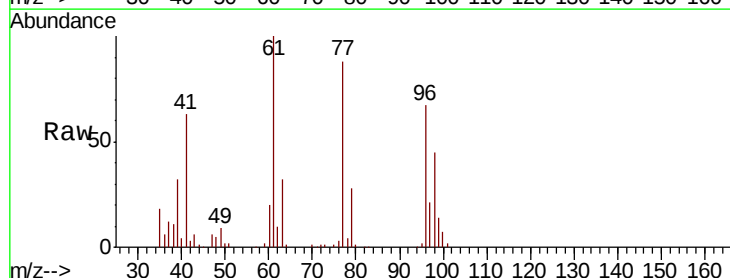
Acq: 12 Nov 2018 12:44

Tgt Ion: 77 Resp: 525273

Ion Ratio Lower Upper

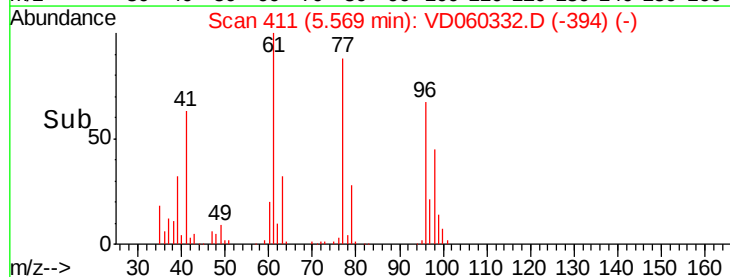
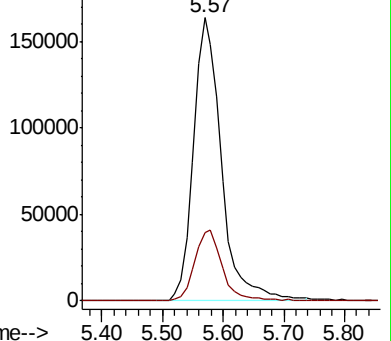
77 100

97 23.9 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



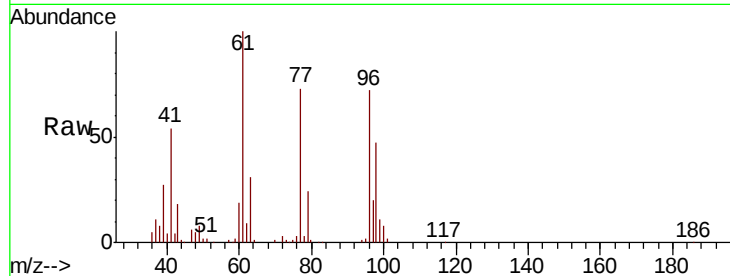


#27

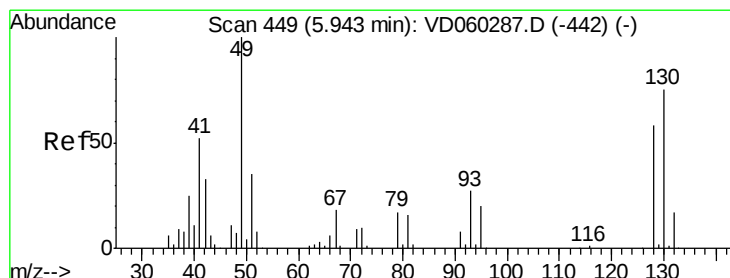
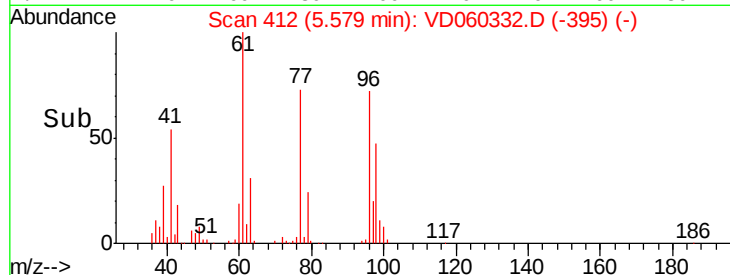
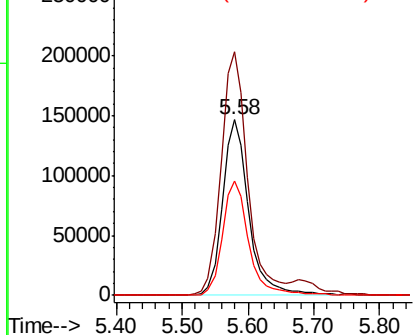
cis-1,2-Dichloroethene
Concen: 19.957 ug/l
RT: 5.58 min Scan# 412
Delta R.T. -0.03 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion: 96 Resp: 408335
Ion Ratio Lower Upper
96 100
61 138.9 0.0 259.0
98 65.5 0.0 128.8



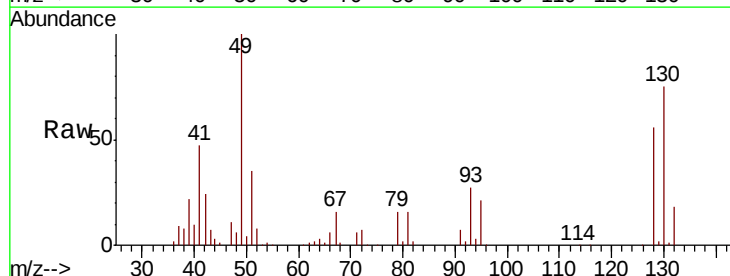
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



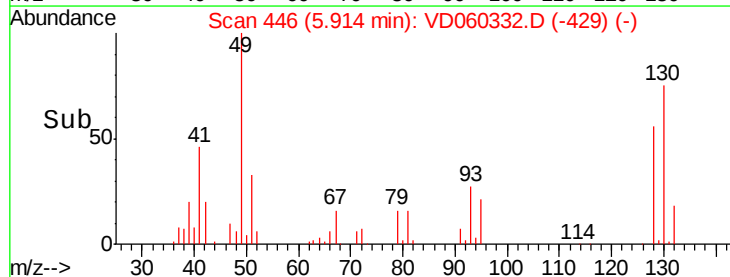
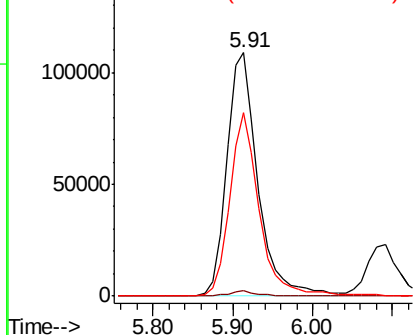
#28

Bromochloromethane
Concen: 20.684 ug/l
RT: 5.91 min Scan# 446
Delta R.T. -0.03 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Tgt Ion: 49 Resp: 295921
Ion Ratio Lower Upper
49 100
129 2.2 0.0 2.8
130 75.3 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

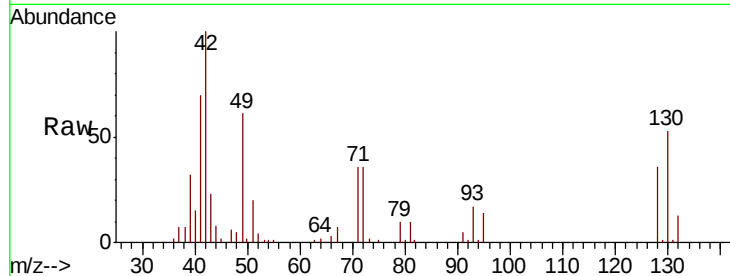




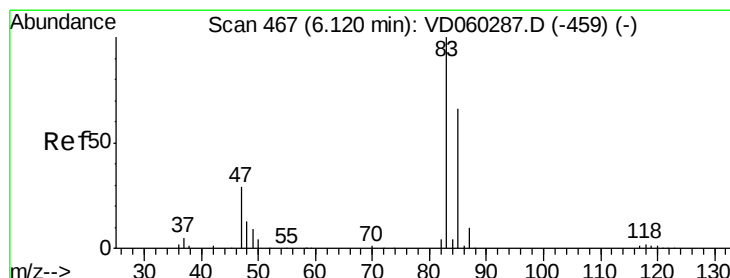
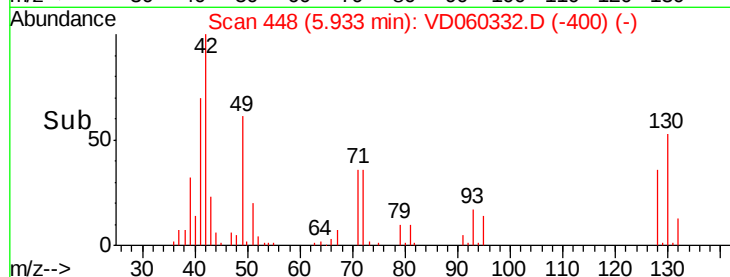
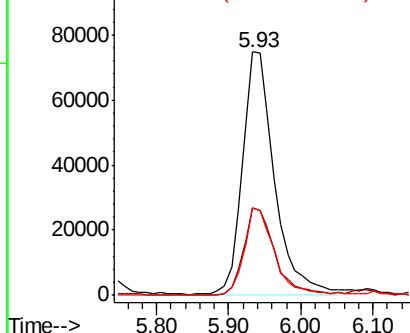
#29
Tetrahydrofuran
Concen: 95.168 ug/l
RT: 5.93 min Scan# 448
Delta R.T. -0.03 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion: 42 Resp: 234818
Ion Ratio Lower Upper
42 100
72 34.5 27.6 41.4
71 33.8 26.5 39.7

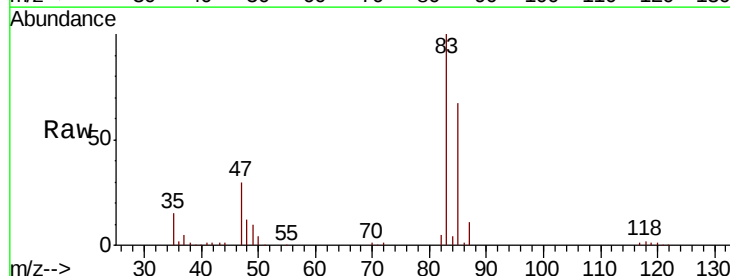


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

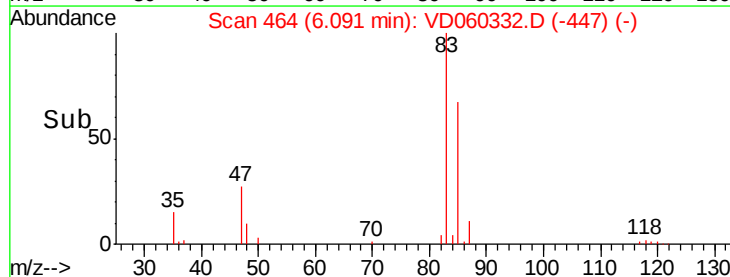
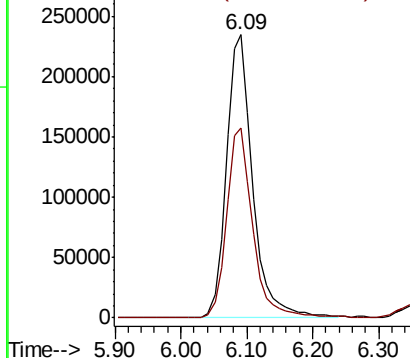


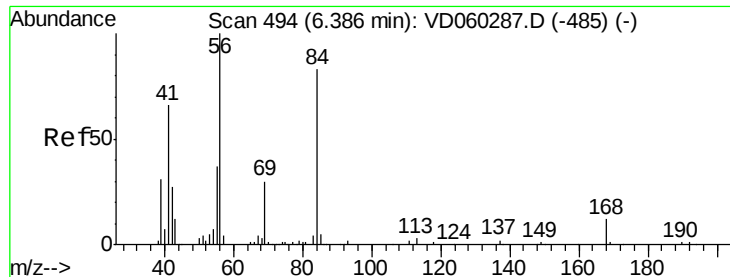
#30
Chloroform
Concen: 20.165 ug/l
RT: 6.09 min Scan# 464
Delta R.T. -0.03 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Tgt Ion: 83 Resp: 653650
Ion Ratio Lower Upper
83 100
85 67.2 52.5 78.7



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





#31

Cyclohexane

Concen: 19.951 ug/l

RT: 6.35 min Scan# 490

Delta R.T. -0.04 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

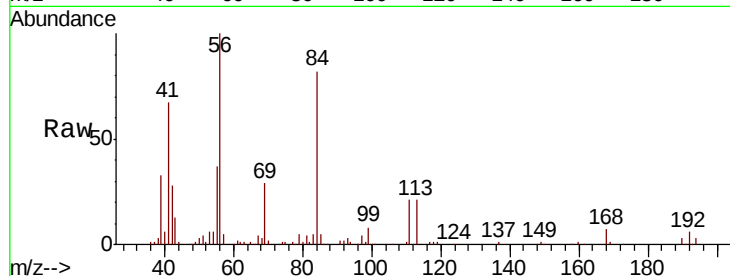
Tot Ion: 56 Resp: 618298

Ion Ratio Lower Upper

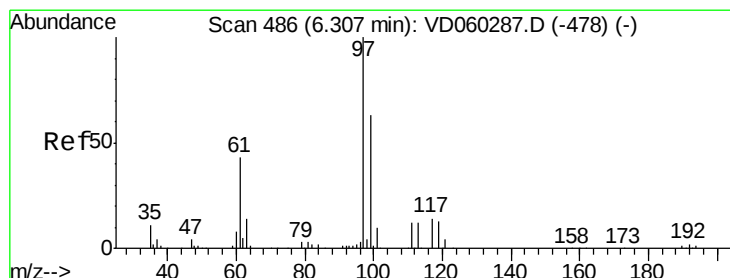
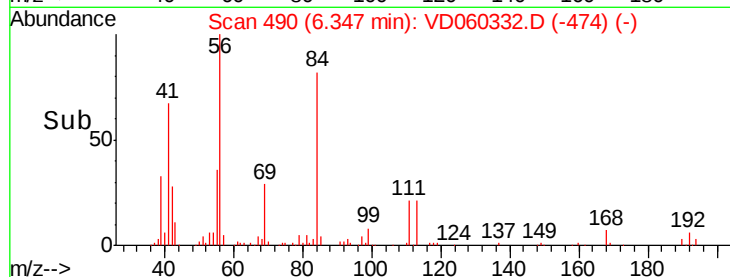
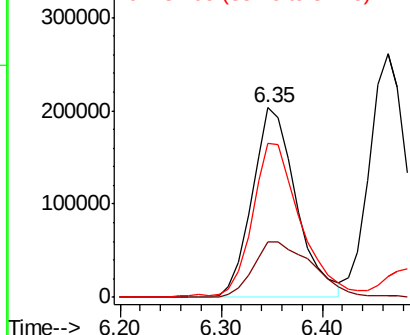
56 100

69 29.4 22.2 33.2

84 81.5 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: 20.307 ug/l

RT: 6.28 min Scan# 483

Delta R.T. -0.03 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

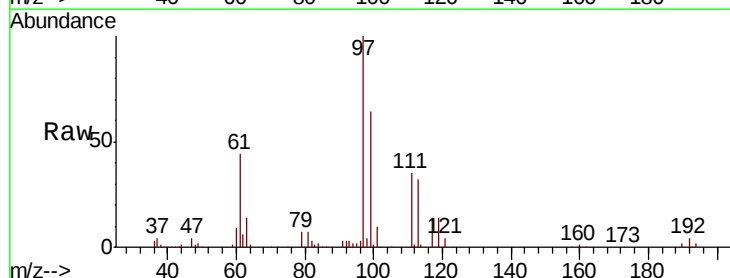
Tgt Ion: 97 Resp: 554488

Ion Ratio Lower Upper

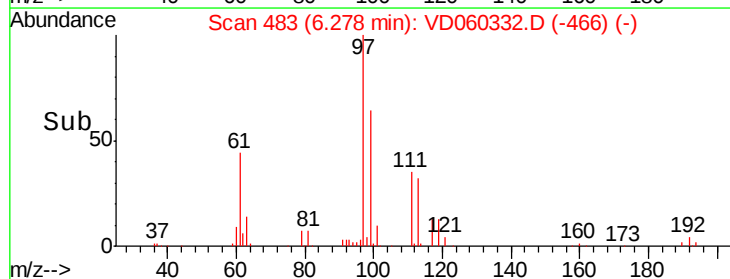
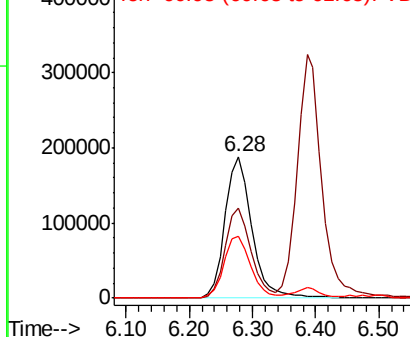
97 100

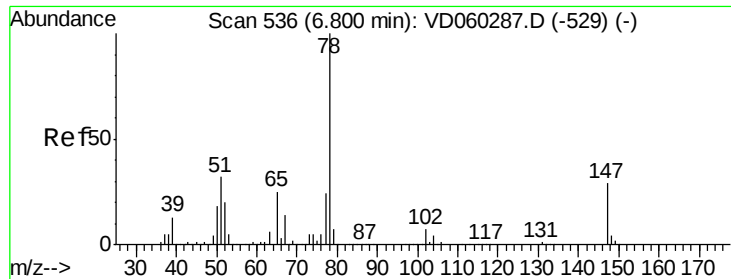
99 63.7 51.5 77.3

61 43.9 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: 20.307 ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.03 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

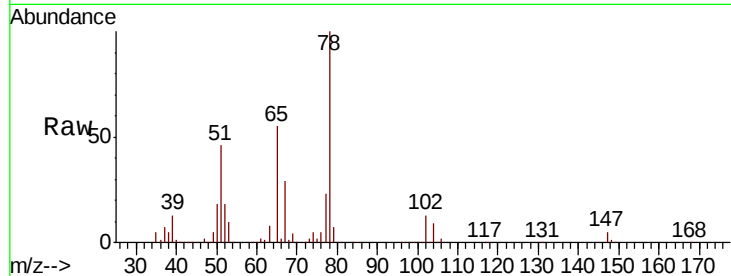
VD1112SBS01

Tot Ion: 65 Resp: 647103

Ion Ratio Lower Upper

65 100

67 52.1 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.77

250000

200000

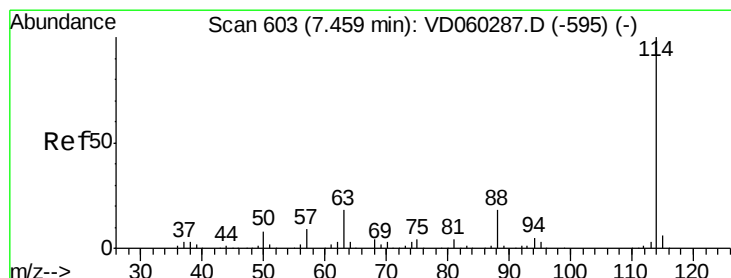
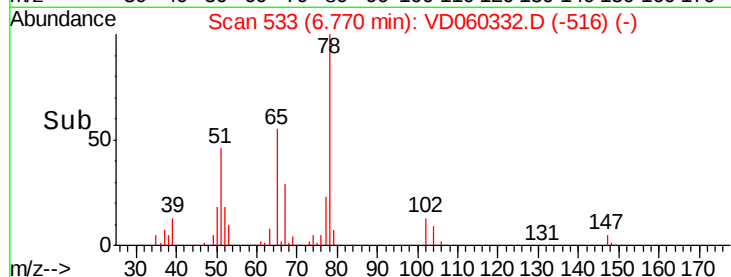
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. -0.03 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

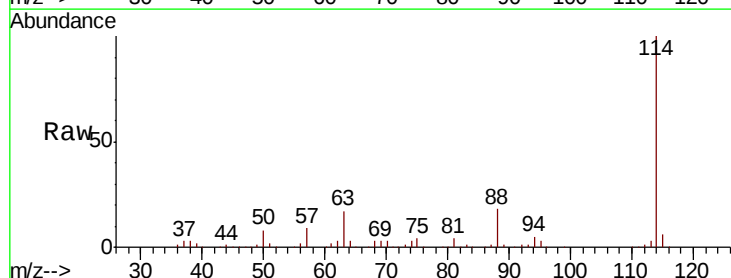
Tgt Ion: 114 Resp: 2467956

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.0

88 17.9 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

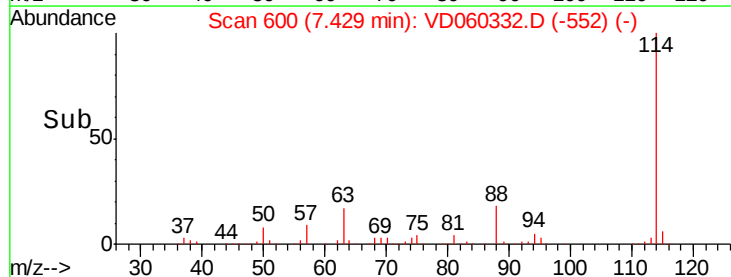
7.43

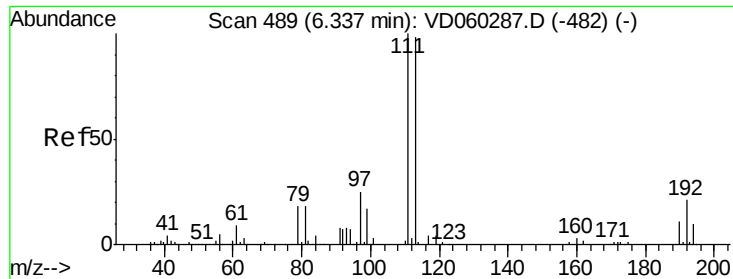
1000000

500000

0

Time-->

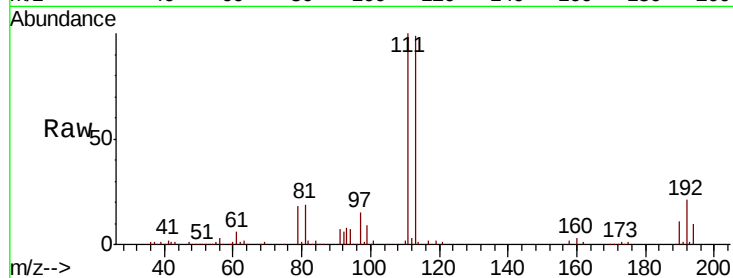




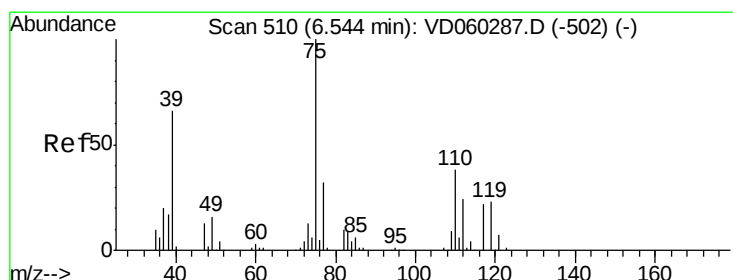
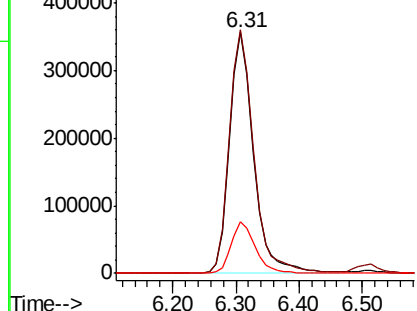
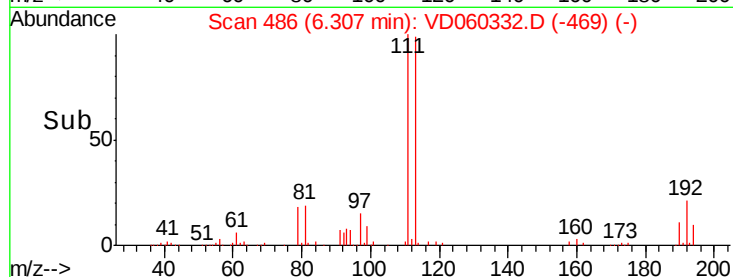
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060332.D
 Acq: 12 Nov 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Tot Ion:113 Resp: 946075
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.6 122.4
 192 21.2 16.5 24.7

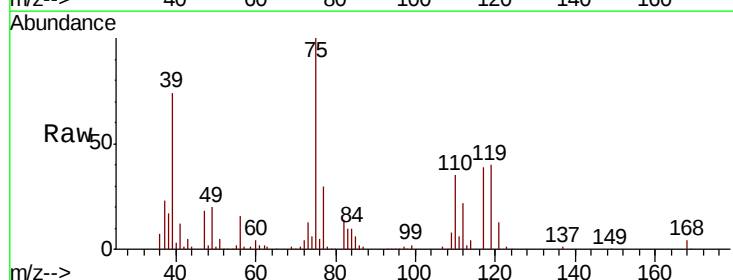


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

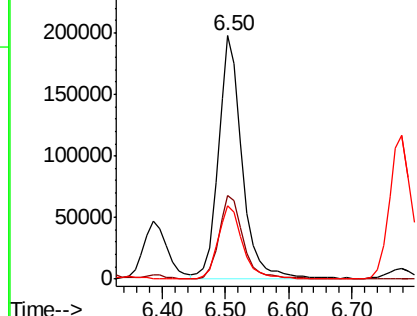
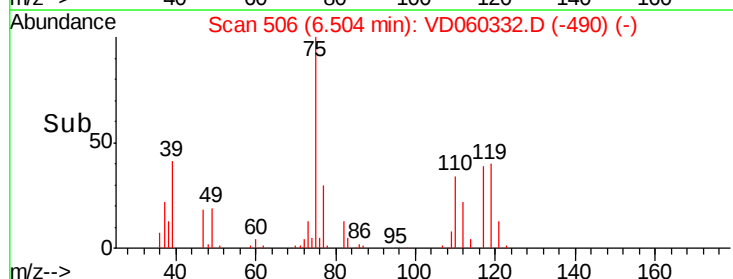


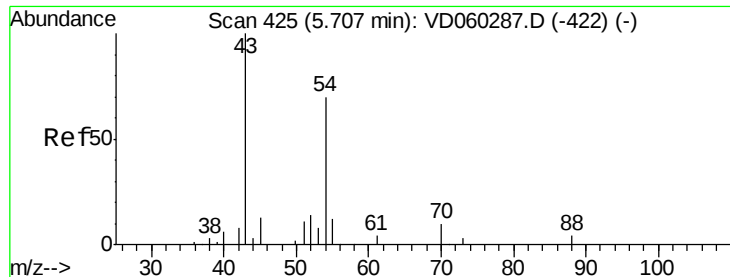
#36
 1,1-Dichloropropene
 Concen: 21.005 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. -0.04 min
 Lab File: VD060332.D
 Acq: 12 Nov 2018 12:44

Tgt Ion: 75 Resp: 512148
 Ion Ratio Lower Upper
 75 100
 110 34.6 18.0 54.0
 77 30.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

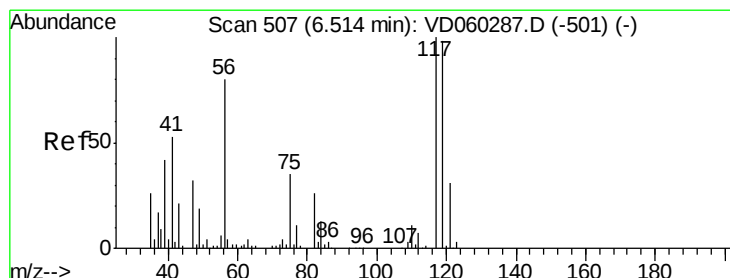
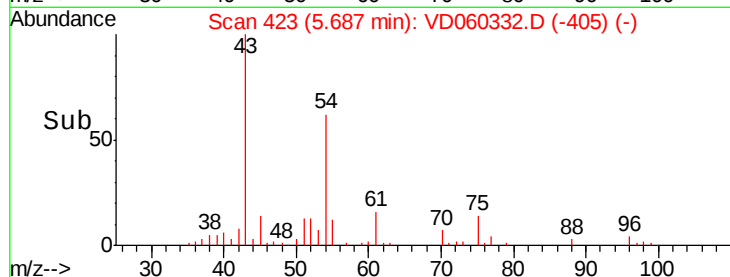
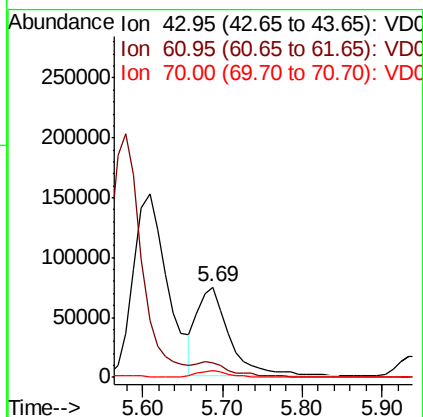
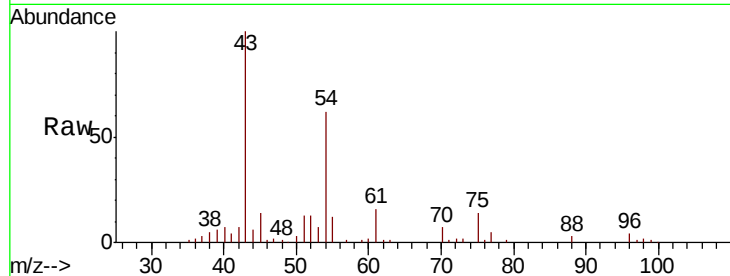




#37
Ethyl Acetate
Concen: 18.521 ug/l
RT: 5.69 min Scan# 423
Delta R.T. -0.02 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

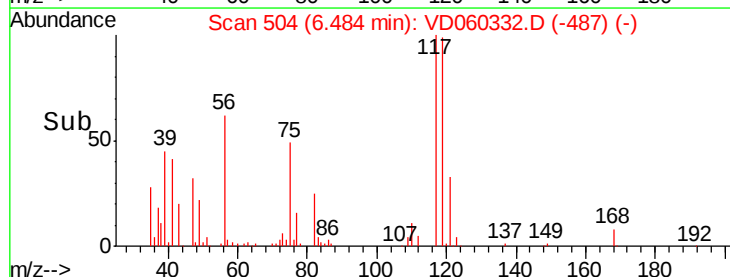
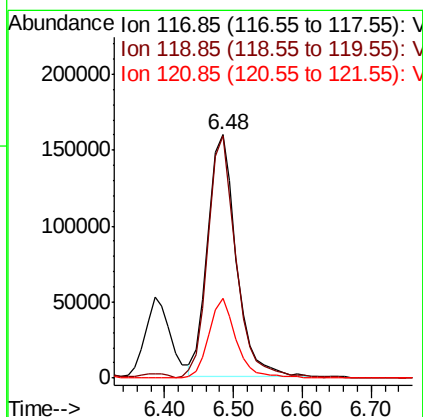
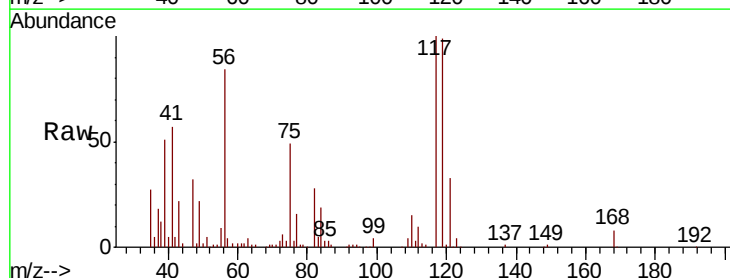
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

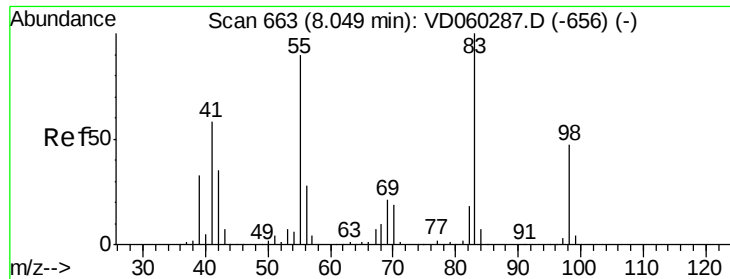
Tot Ion: 43 Resp: 207799
Ion Ratio Lower Upper
43 100
61 15.8 11.8 17.6
70 7.5 6.2 9.4



#38
Carbon Tetrachloride
Concen: 20.498 ug/l
RT: 6.48 min Scan# 504
Delta R.T. -0.03 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Tgt Ion: 117 Resp: 463630
Ion Ratio Lower Upper
117 100
119 99.3 76.6 115.0
121 32.6 24.3 36.5

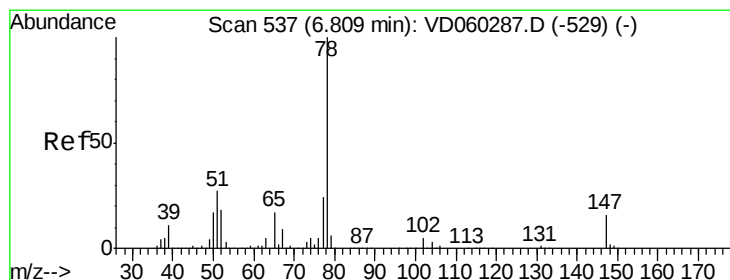
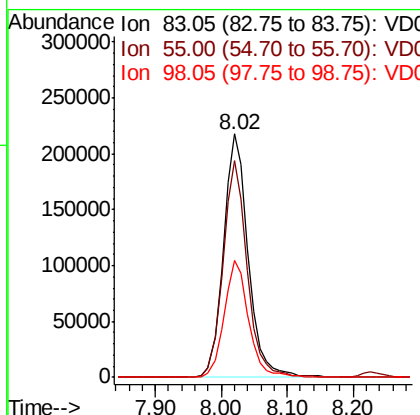
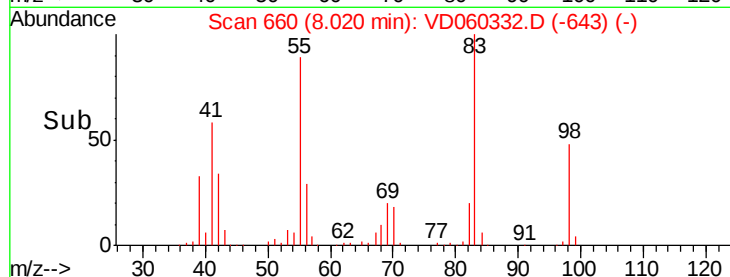
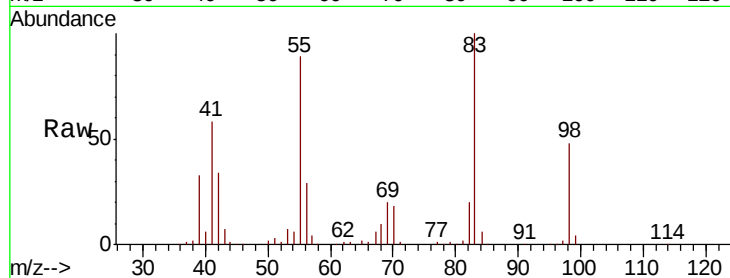




#39
Methvlcvclohexane
Concen: 20.375 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.03 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

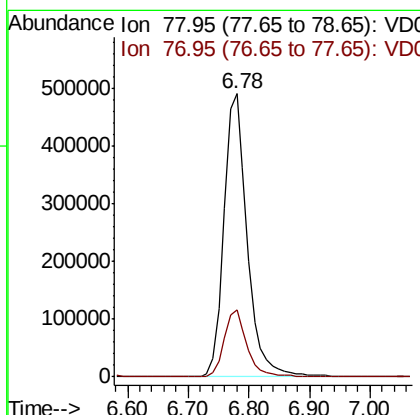
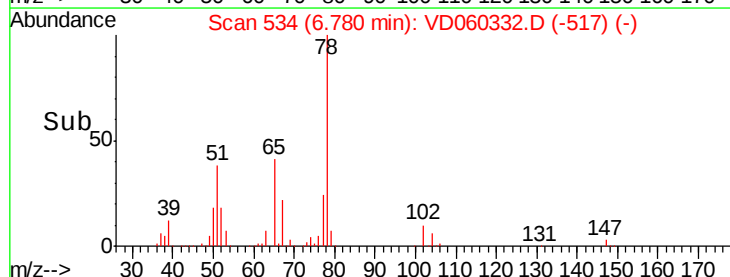
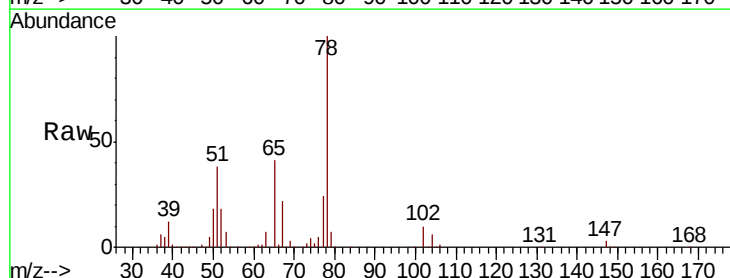
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion: 83 Resp: 571377
Ion Ratio Lower Upper
83 100
55 89.2 71.2 106.8
98 48.1 38.4 57.6



#40
Benzene
Concen: 21.035 ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.03 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Tgt Ion: 78 Resp: 1309219
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2

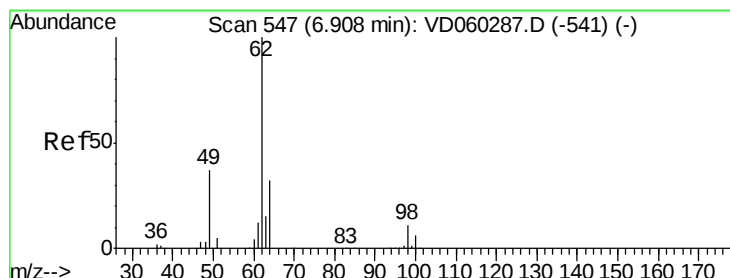
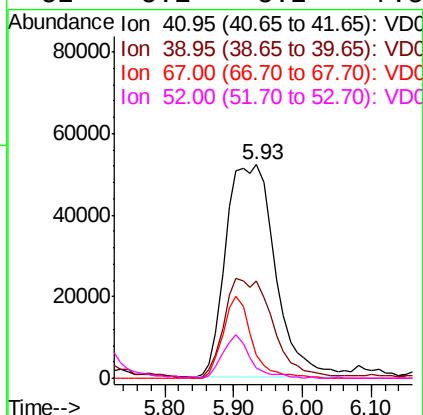
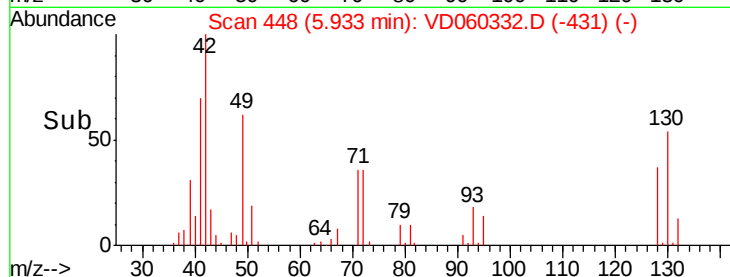
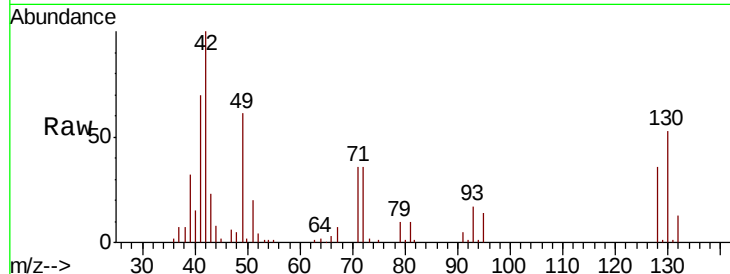




#41
Methacrylonitrile
Concen: 19.949 ug/l
RT: 5.93 min Scan# 448
Delta R.T. -0.03 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

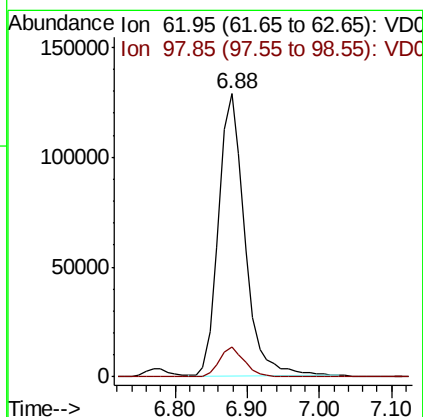
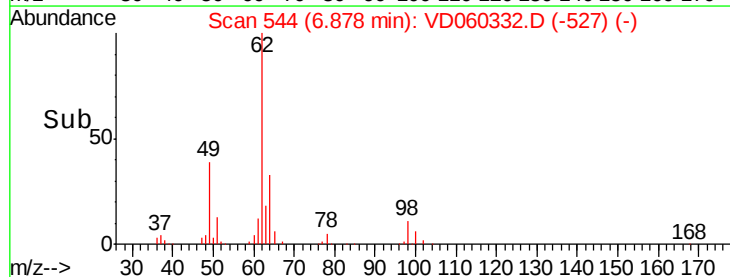
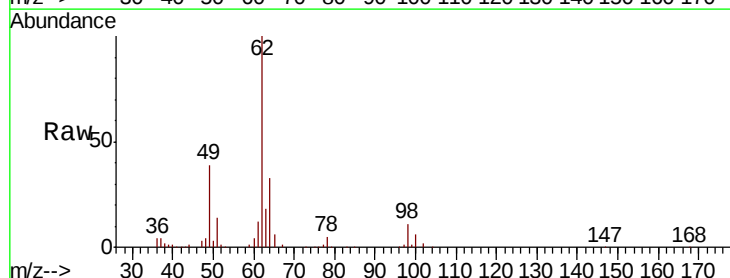
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

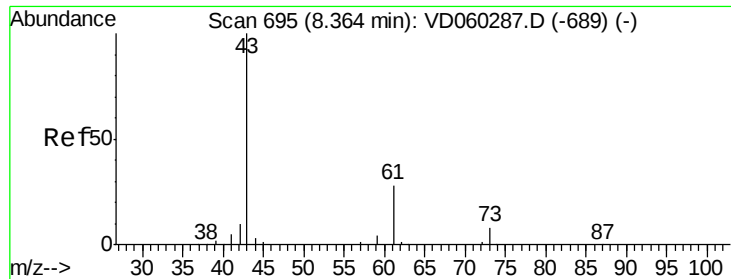
Tot Ion: 41 Resp: 256179
Ion Ratio Lower Upper
41 100
39 45.8 36.2 54.2
67 10.7 11.9 17.9#
52 5.1 5.2 7.8#



#42
1,2-Dichloroethane
Concen: 19.869 ug/l
RT: 6.88 min Scan# 544
Delta R.T. -0.03 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Tgt Ion: 62 Resp: 323671
Ion Ratio Lower Upper
62 100
98 10.6 0.0 22.0



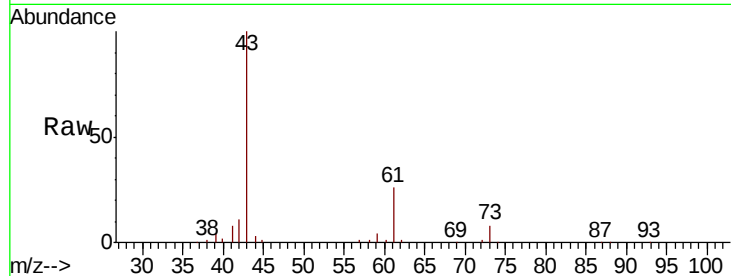


#43

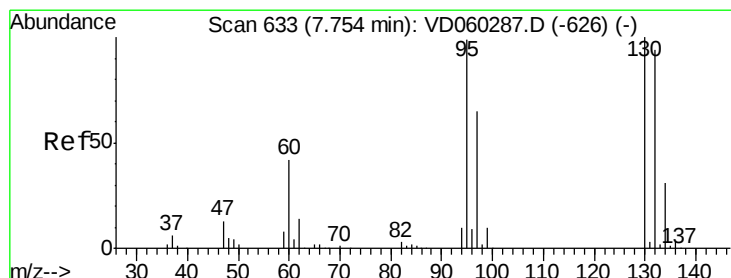
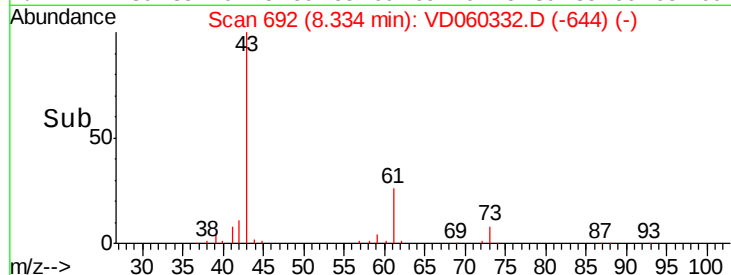
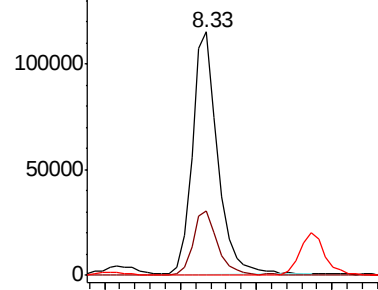
Isopropyl Acetate
 Concen: 18.925 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. -0.03 min
 Lab File: VD060332.D
 Acq: 12 Nov 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Tot Ion: 43 Resp: 266713
 Ion Ratio Lower Upper
 43 100
 61 26.3 22.3 33.5
 87 0.4 0.2 0.2#



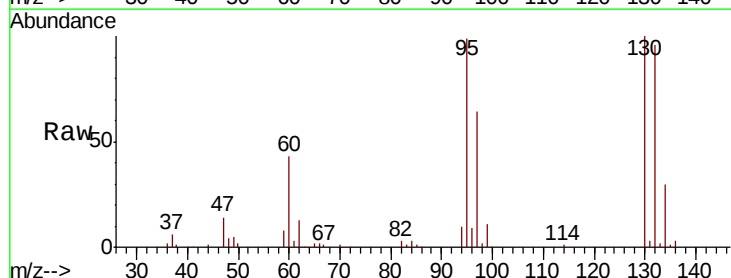
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



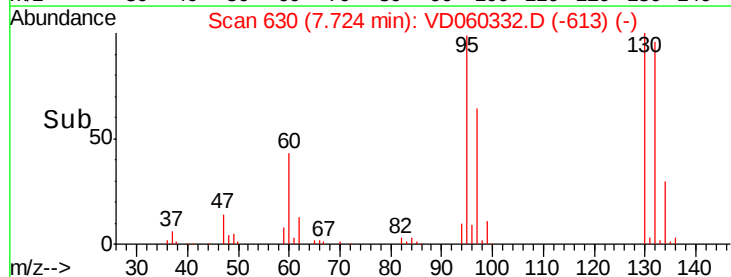
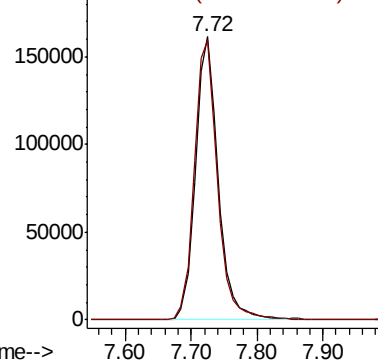
#44

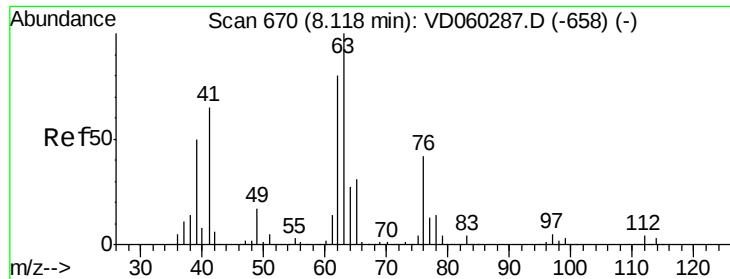
Trichloroethene
 Concen: 20.621 ug/l
 RT: 7.72 min Scan# 630
 Delta R.T. -0.03 min
 Lab File: VD060332.D
 Acq: 12 Nov 2018 12:44

Tgt Ion: 130 Resp: 389060
 Ion Ratio Lower Upper
 130 100
 95 98.7 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: 20.648 ug/l

RT: 8.09 min Scan# 667

Delta R.T. -0.03 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

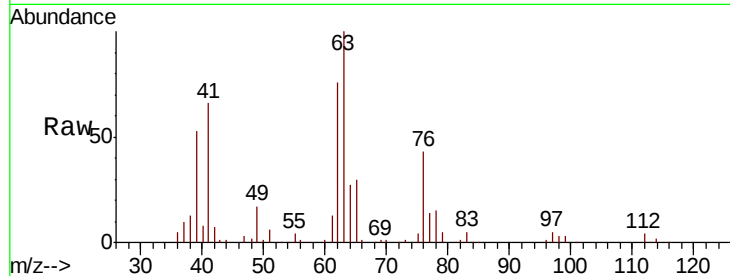
VD1112SBSD01

Tot Ion: 63 Resp: 324105

Ion Ratio Lower Upper

63 100

65 29.9 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.09

150000

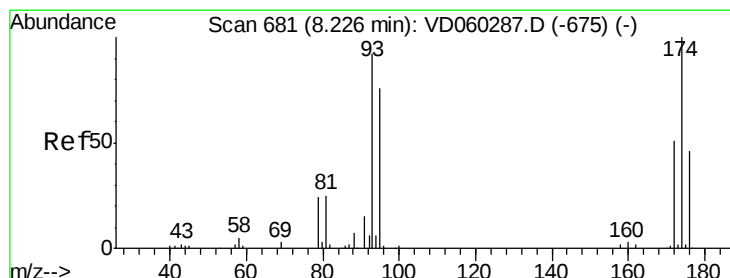
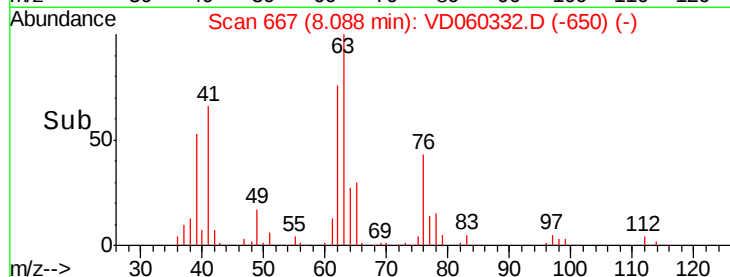
100000

50000

0

8.00 8.20

Time-->



#46

Dibromomethane

Concen: 20.371 ug/l

RT: 8.20 min Scan# 678

Delta R.T. -0.03 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

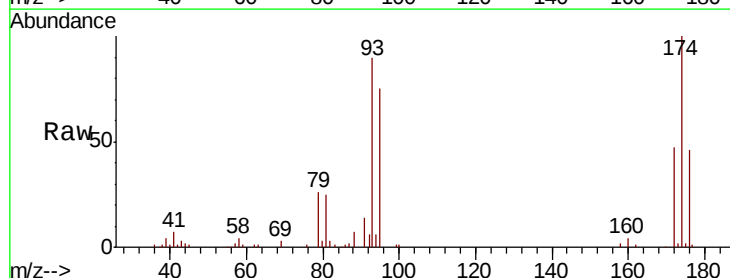
Tgt Ion: 93 Resp: 187278

Ion Ratio Lower Upper

93 100

95 83.0 66.4 99.6

174 110.8 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

120000

100000

80000

60000

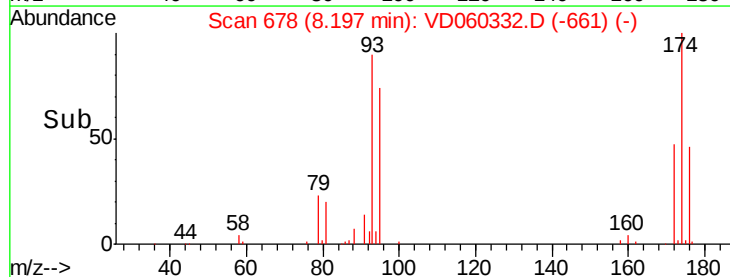
40000

20000

0

8.10 8.20 8.30 8.40

Time-->





#47

Bromodichloromethane

Concen: 20.672 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.03 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

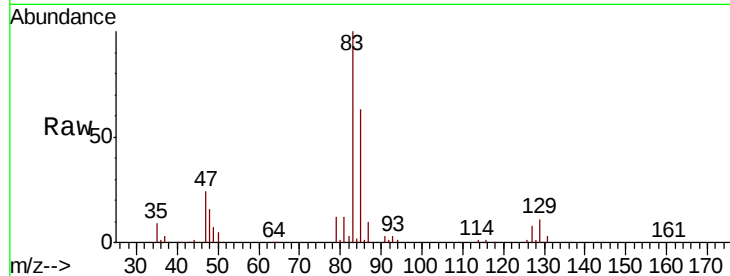
Tot Ion: 83 Resp: 447828

Ion Ratio Lower Upper

83 100

85 63.1 51.0 76.6

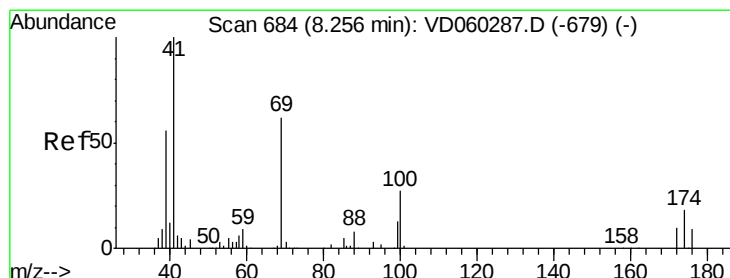
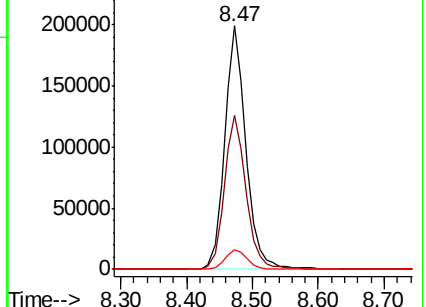
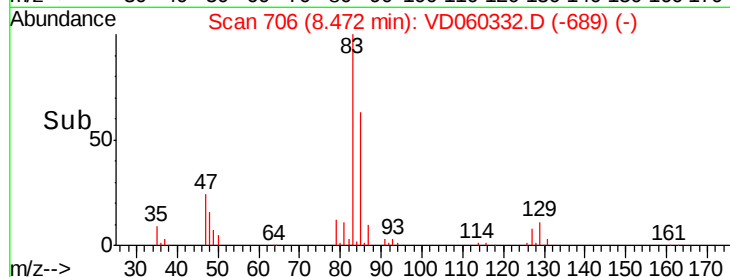
127 8.2 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.218 ug/l

RT: 8.23 min Scan# 681

Delta R.T. -0.03 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

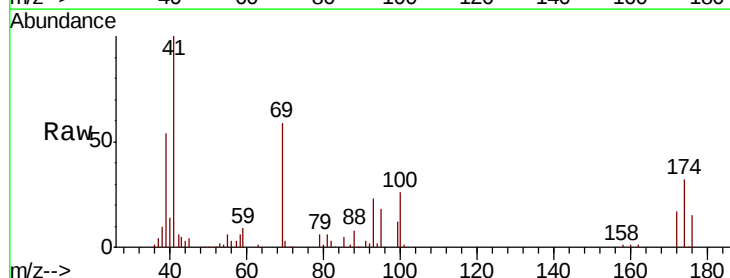
Tgt Ion: 41 Resp: 173079

Ion Ratio Lower Upper

41 100

69 59.4 47.0 70.4

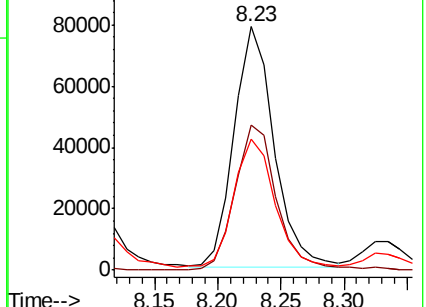
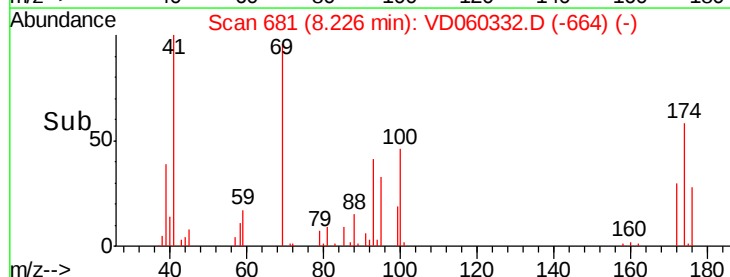
39 53.6 46.2 69.4

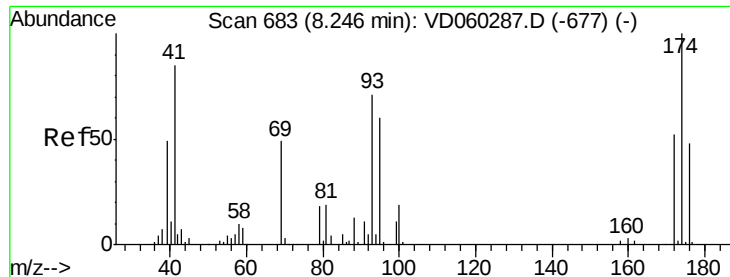


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 411.708 ug/l

RT: 8.21 min Scan# 679

Delta R.T. -0.04 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

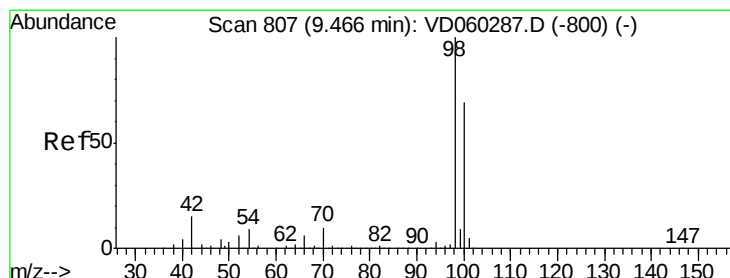
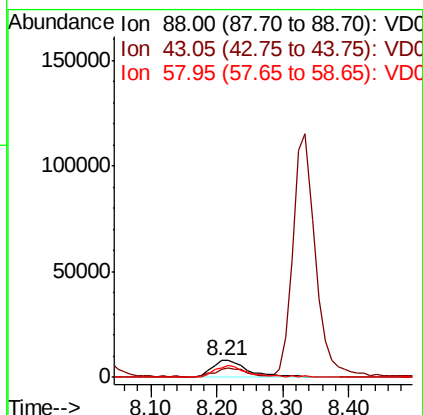
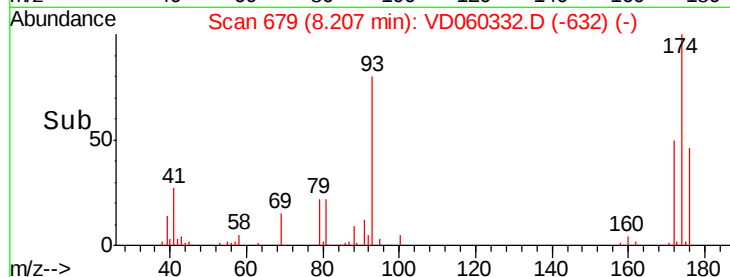
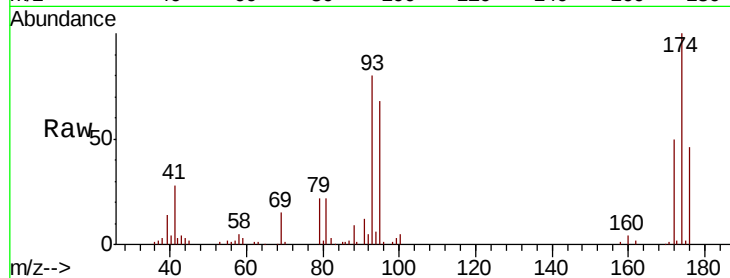
Tot Ion: 88 Resp: 30495

Ion Ratio Lower Upper

88 100

43 47.4 39.7 59.5

58 57.5 60.2 90.2#



#50

Toluene-d8

Concen: 411.708 ug/l

RT: 9.44 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060332.D

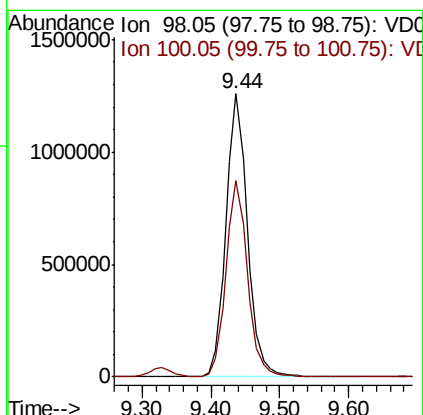
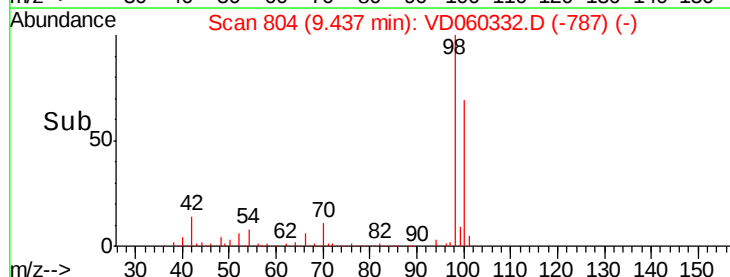
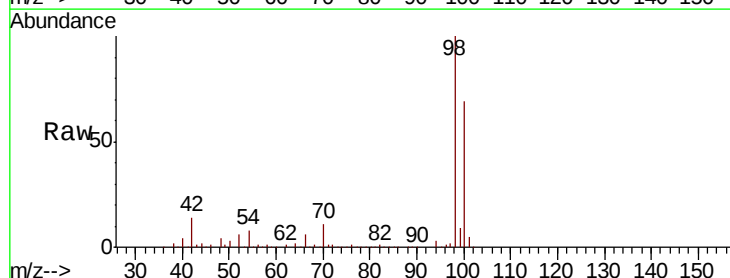
Acq: 12 Nov 2018 12:44

Tgt Ion: 98 Resp: 2723498

Ion Ratio Lower Upper

98 100

100 69.5 55.2 82.8





#51

4-Methyl-2-Pentanone

Concen: 98.252 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.04 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

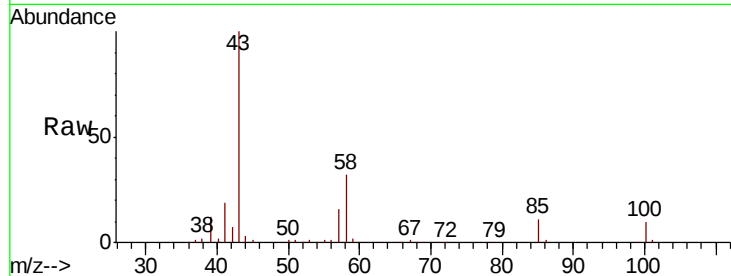
VD1112SBSD01

Tot Ion: 43 Resp: 901254

Ion Ratio Lower Upper

43 100

58 31.6 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.32

400000

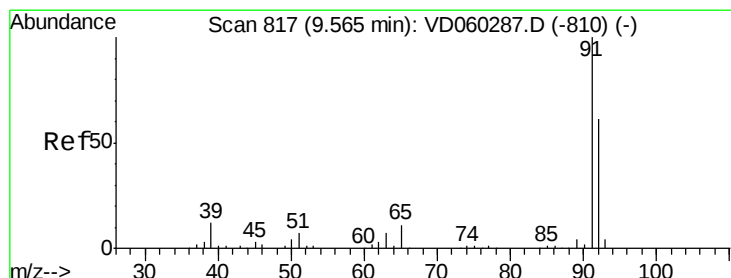
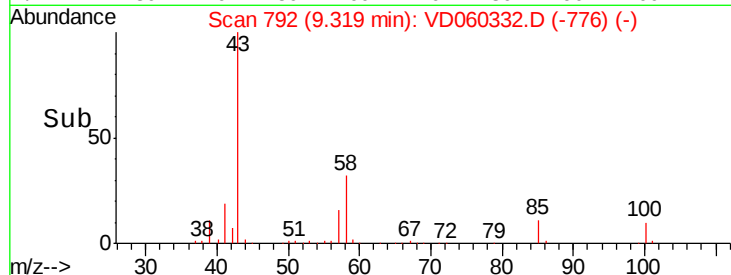
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.652 ug/l

RT: 9.54 min Scan# 814

Delta R.T. -0.03 min

Lab File: VD060332.D

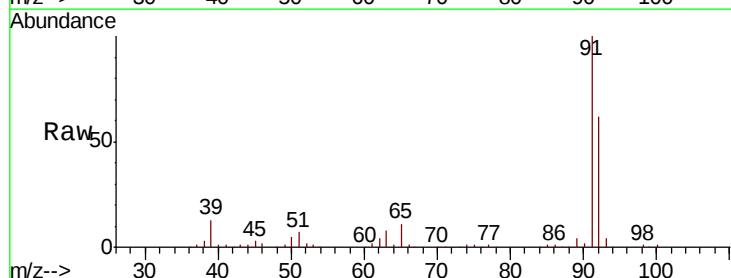
Acq: 12 Nov 2018 12:44

Tgt Ion: 92 Resp: 821042

Ion Ratio Lower Upper

92 100

91 162.2 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

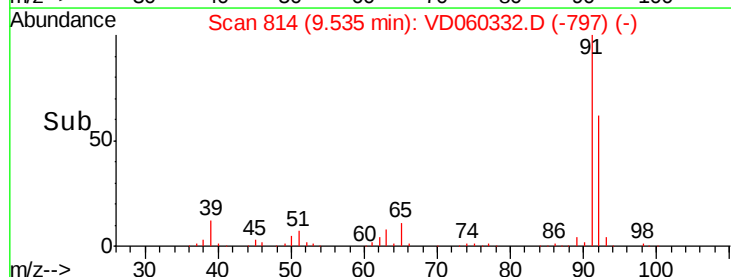
600000

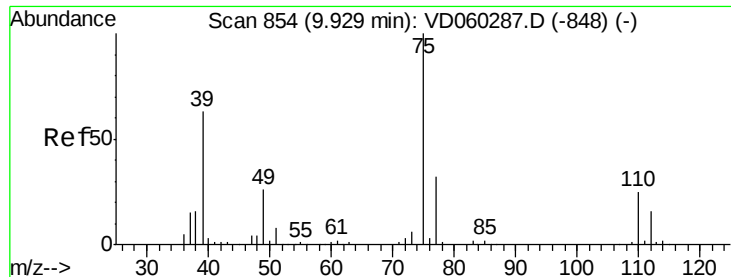
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.289 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.03 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

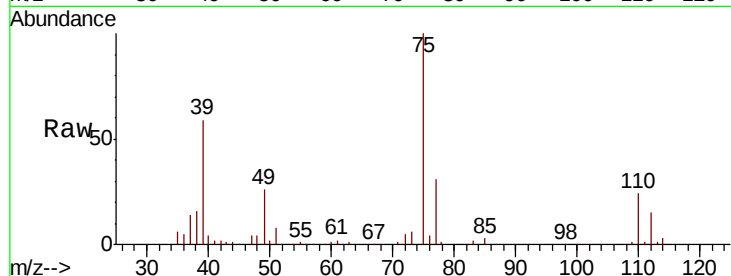
VD1112SBSD01

Tot Ion: 75 Resp: 371377

Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

200000

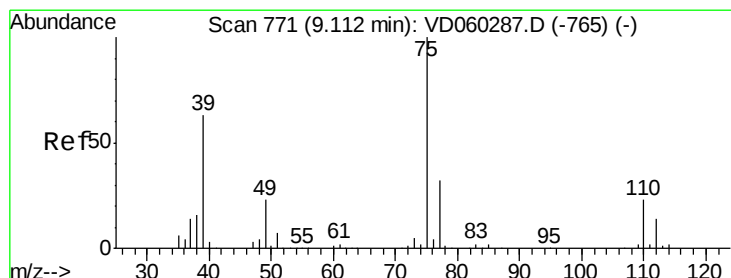
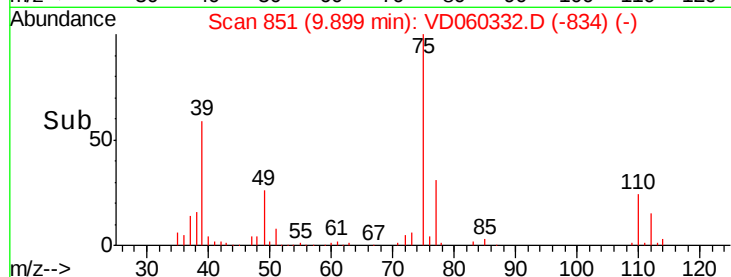
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.374 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.03 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

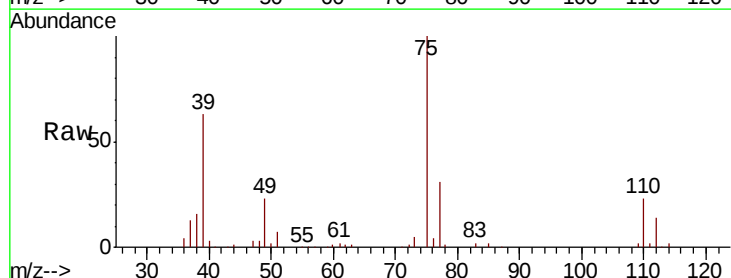
Tgt Ion: 75 Resp: 478317

Ion Ratio Lower Upper

75 100

77 30.8 26.3 39.5

39 62.9 50.8 76.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

300000

250000

200000

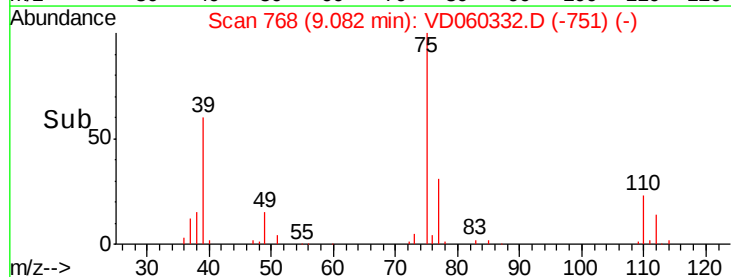
150000

100000

50000

0

Time-->

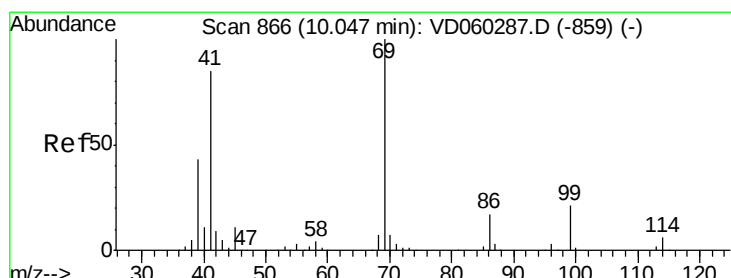
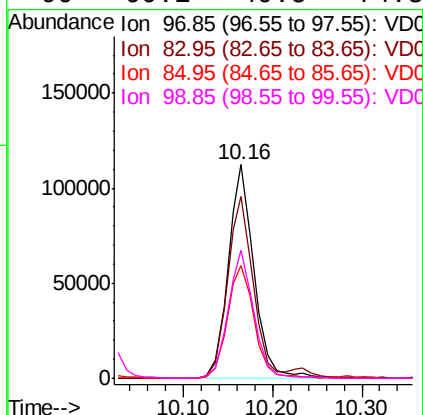
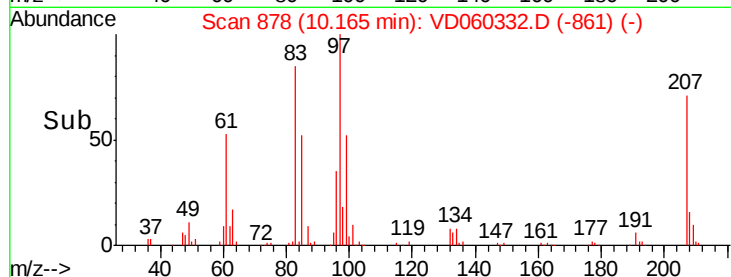
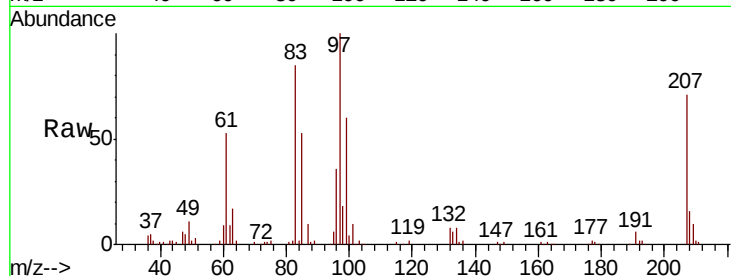




#55
 1,1,2-Trichloroethane
 Concen: 19.748 ug/l
 RT: 10.16 min Scan# 878
 Delta R.T. -0.03 min
 Lab File: VD060332.D
 Acq: 12 Nov 2018 12:44

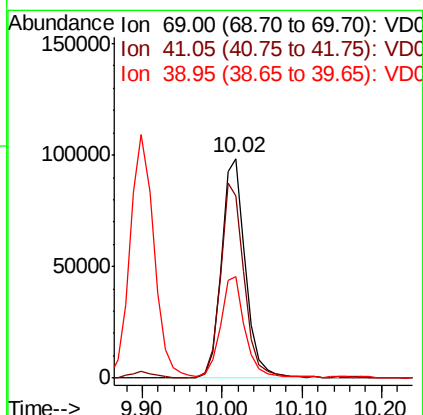
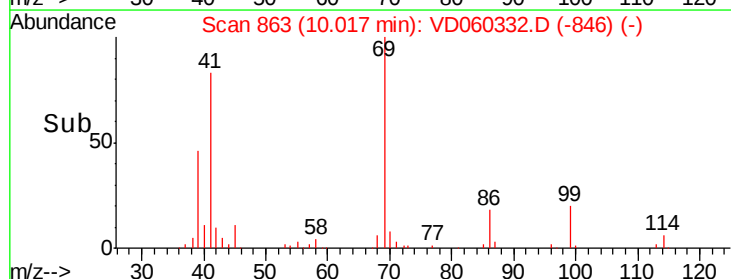
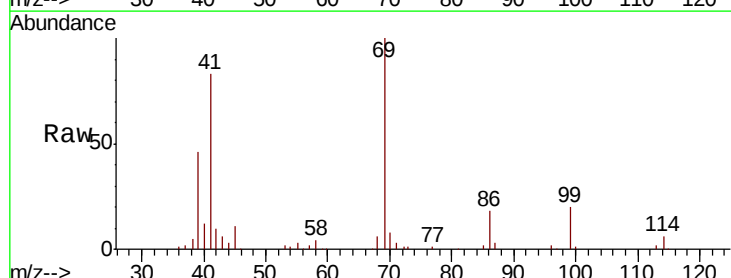
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Tot Ion:	97	Resp:	227561
Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.4	102.6
85	53.0	46.8	70.2
99	60.1	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 19.674 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.03 min
 Lab File: VD060332.D
 Acq: 12 Nov 2018 12:44

Tgt Ion:	69	Resp:	208441
Ion	Ratio	Lower	Upper
69	100		
41	82.6	69.0	103.4
39	45.9	36.6	54.8





#57

1,3-Dichloropropane

Concen: 19.862 ug/l

RT: 10.36 min Scan# 898

Delta R.T. -0.03 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

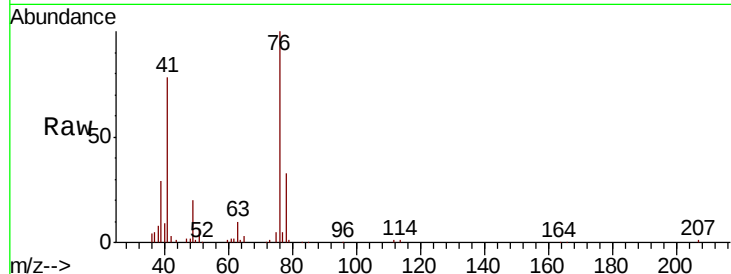
VD1112SBS01

Tot Ion: 76 Resp: 348747

Ion Ratio Lower Upper

76 100

78 33.4 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.36

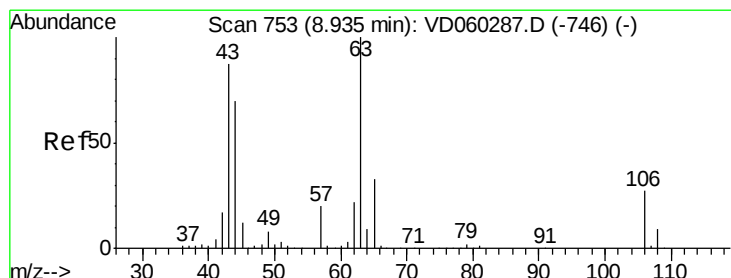
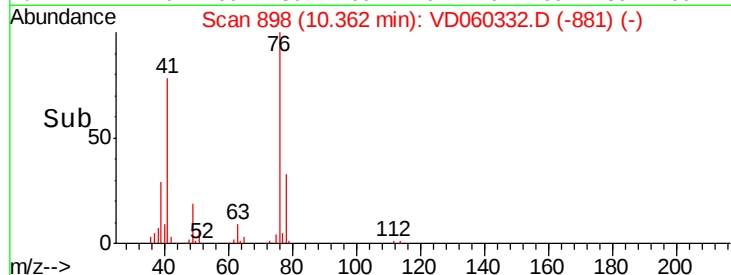
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 106.288 ug/l

RT: 8.91 min Scan# 750

Delta R.T. -0.03 min

Lab File: VD060332.D

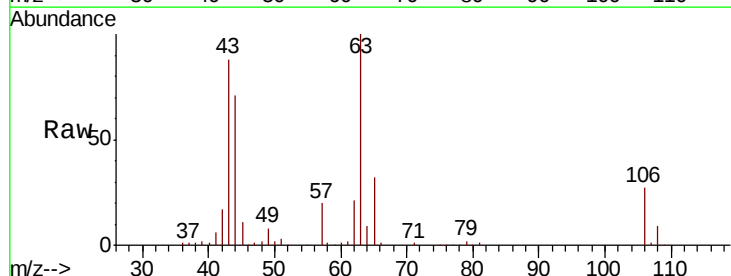
Acq: 12 Nov 2018 12:44

Tgt Ion: 63 Resp: 680901

Ion Ratio Lower Upper

63 100

106 26.7 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.91

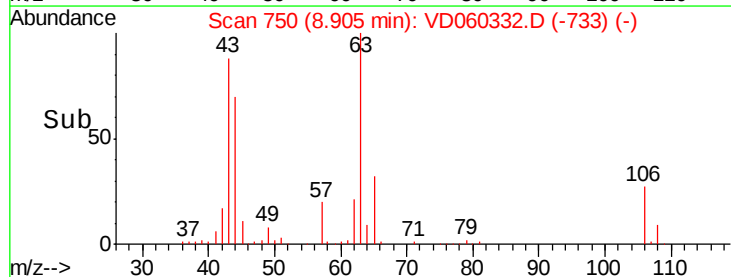
300000

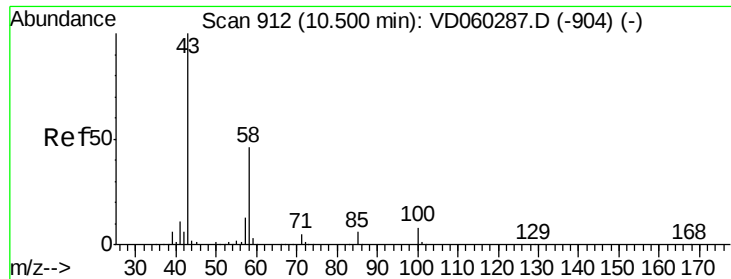
200000

100000

0

Time-->

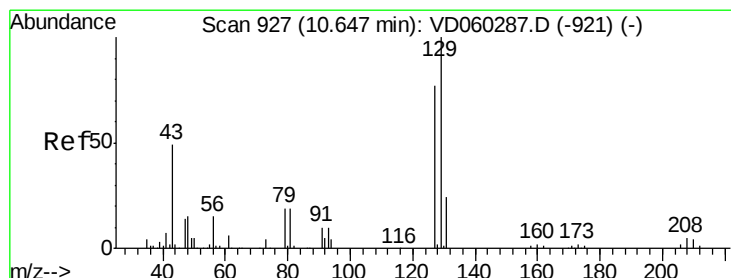
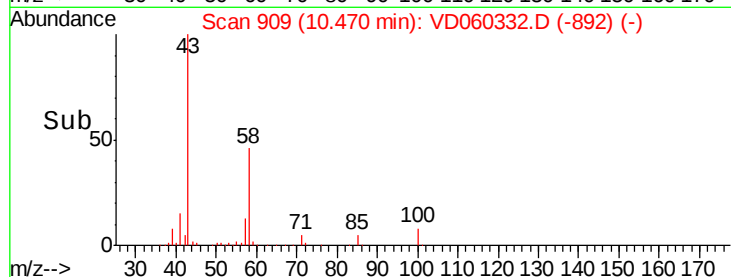
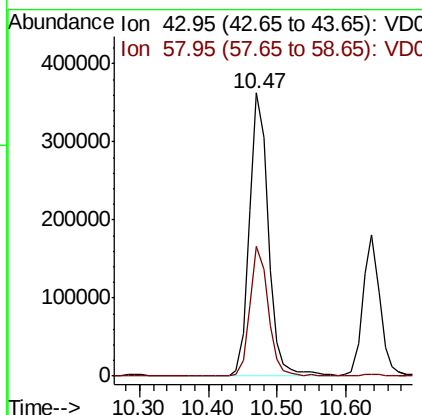
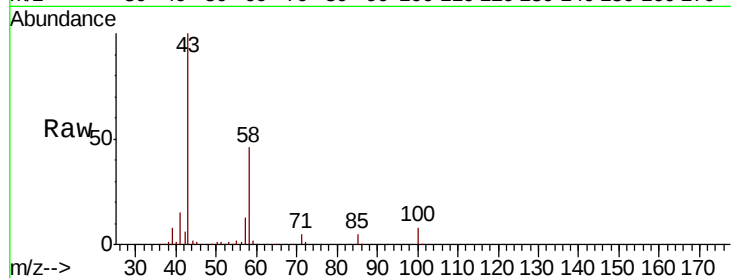




#59
2-Hexanone
Concen: 105.910 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.03 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

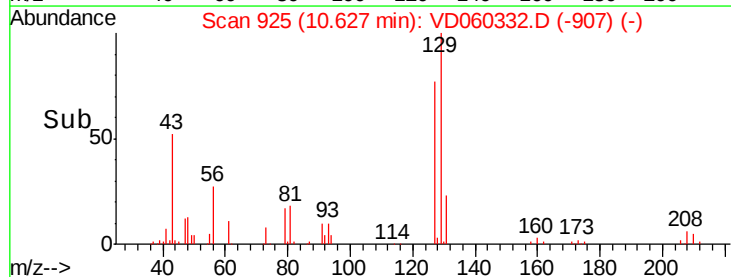
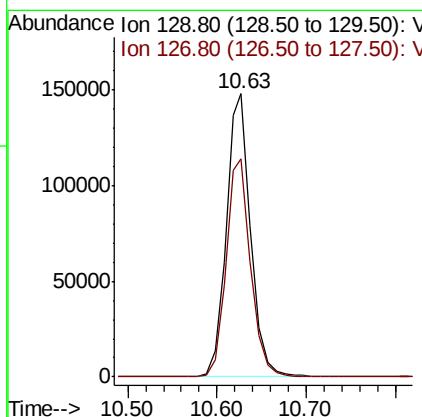
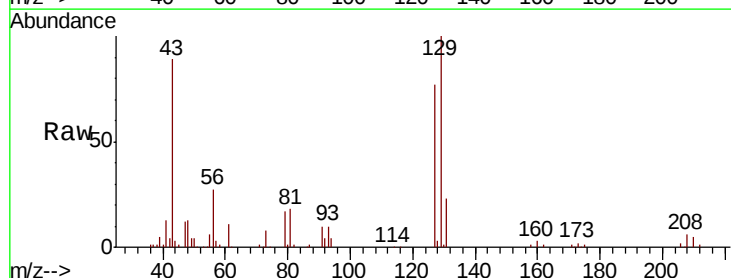
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

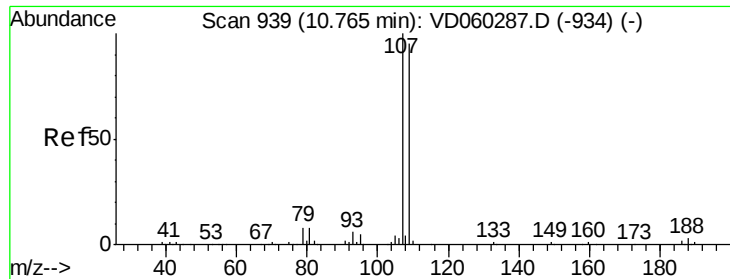
Tot Ion: 43 Resp: 692422
Ion Ratio Lower Upper
43 100
58 46.0 22.9 68.5



#60
Dibromochloromethane
Concen: 20.221 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.02 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Tgt Ion: 129 Resp: 283239
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.979 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

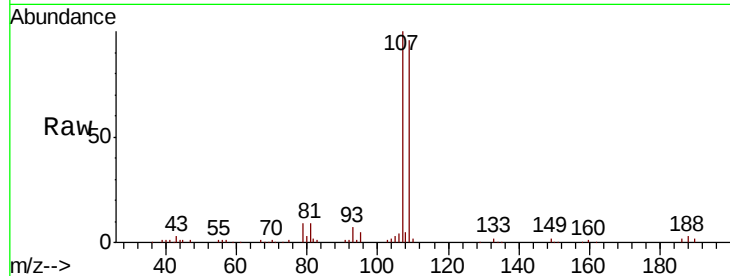
VD1112SBS01

Tot Ion:107 Resp: 230670

Ion Ratio Lower Upper

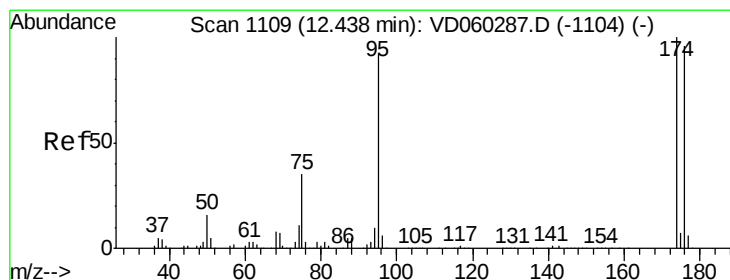
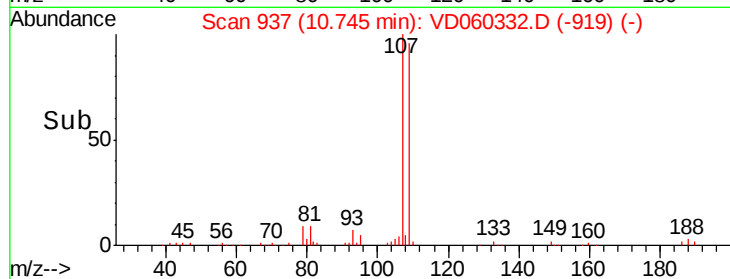
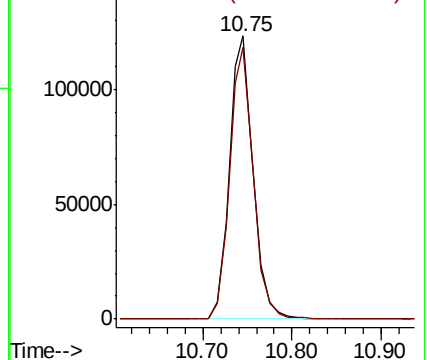
107 100

109 96.2 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.979 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

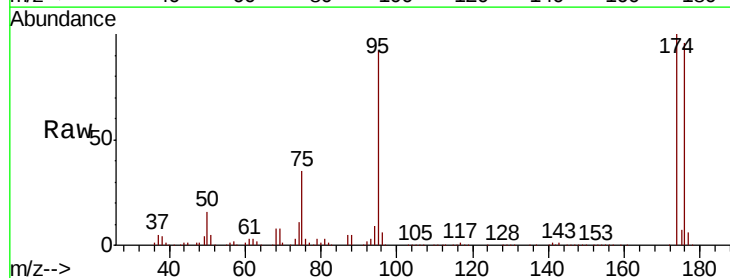
Tgt Ion: 95 Resp: 963328

Ion Ratio Lower Upper

95 100

174 108.7 0.0 160.8

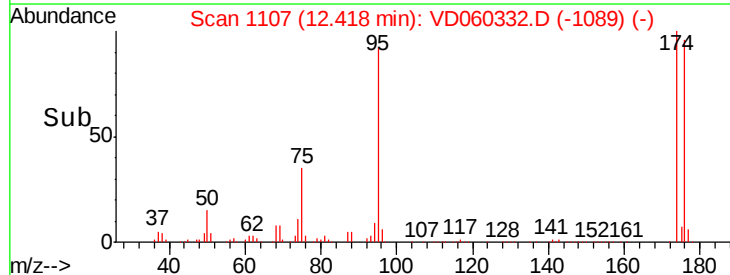
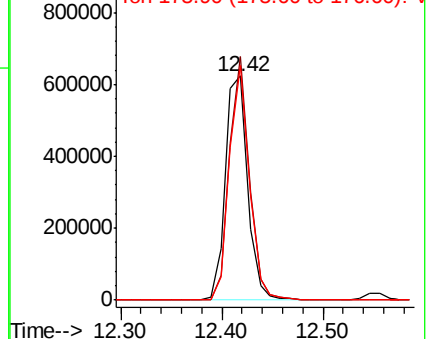
176 104.6 0.0 154.6

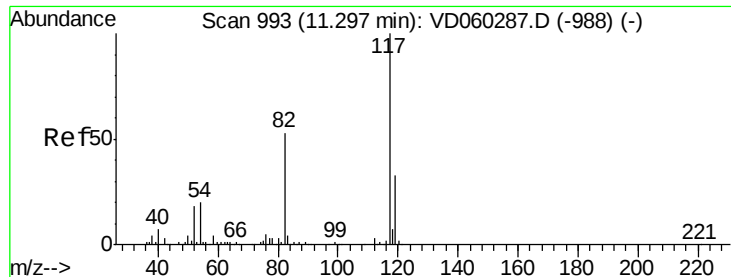


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

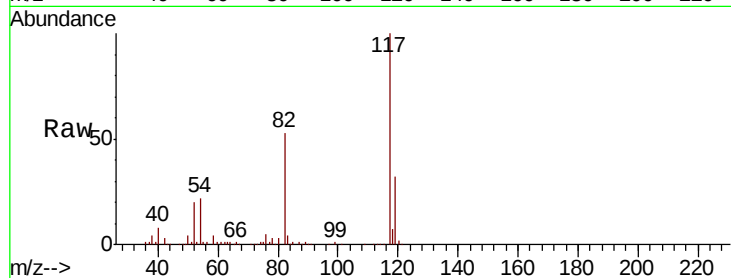




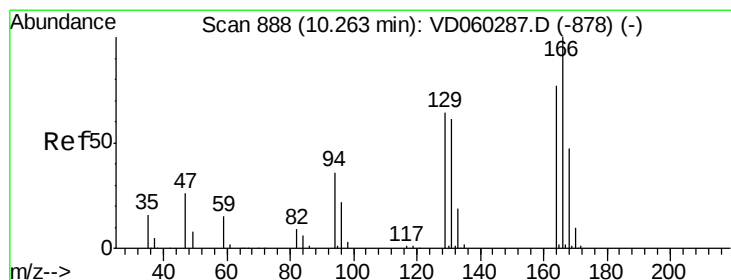
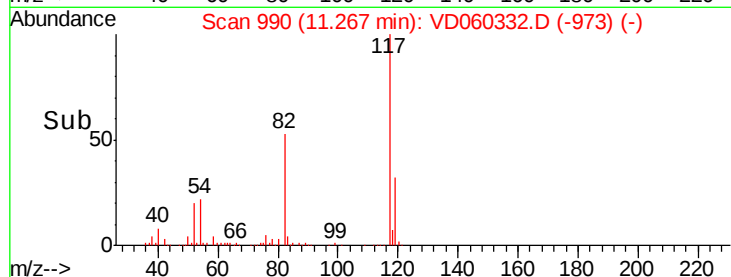
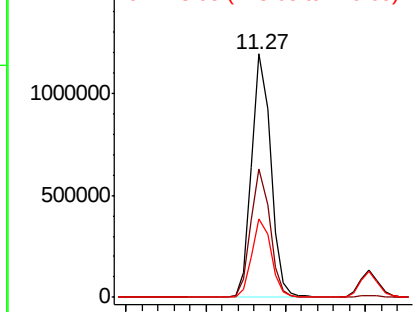
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion:117 Resp: 1964111
Ion Ratio Lower Upper
117 100
82 52.9 43.7 65.5
119 32.3 26.1 39.1

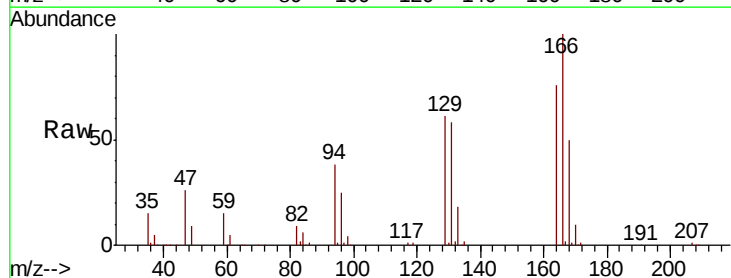


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

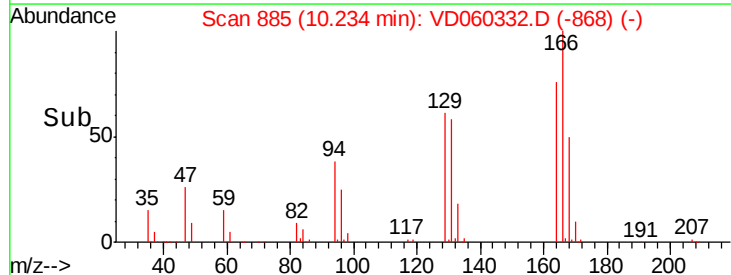
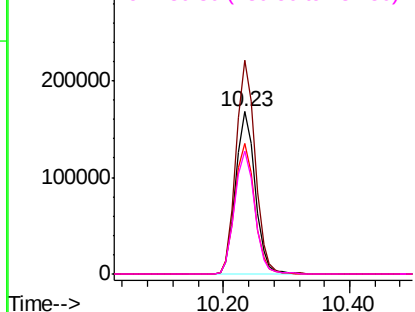


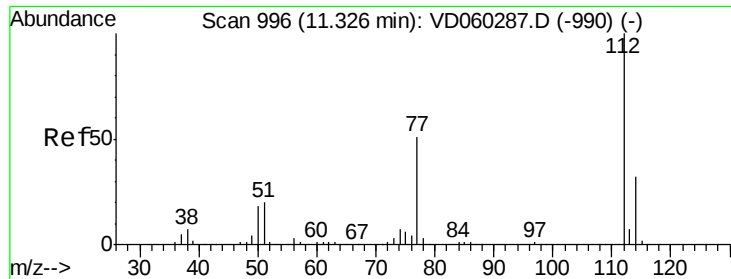
#64
Tetrachloroethene
Concen: 20.303 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.03 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Tgt Ion:164 Resp: 356002
Ion Ratio Lower Upper
164 100
166 131.6 103.7 155.5
129 80.4 65.6 98.4
131 76.0 64.4 96.6



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

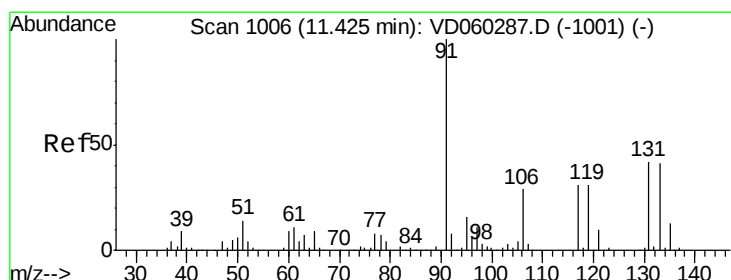
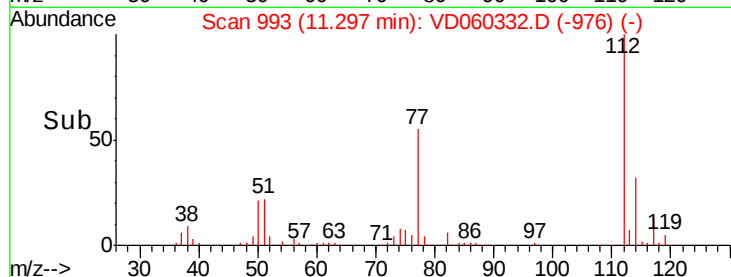
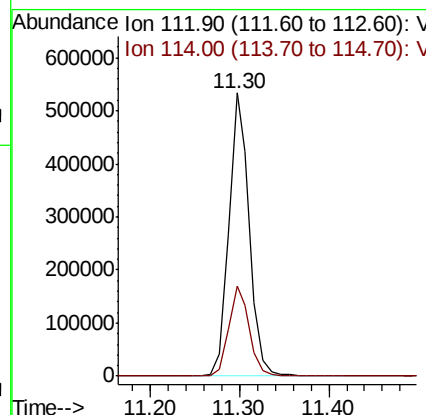
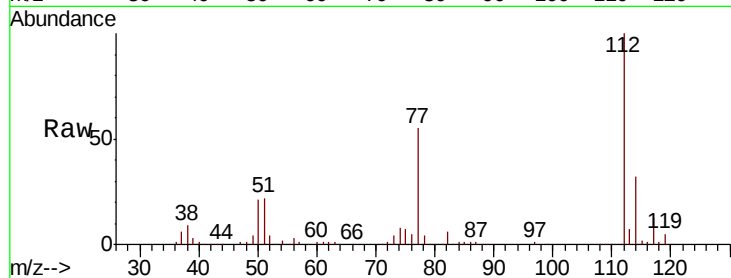




#65
Chlorobenzene
Concen: 20.245 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.03 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

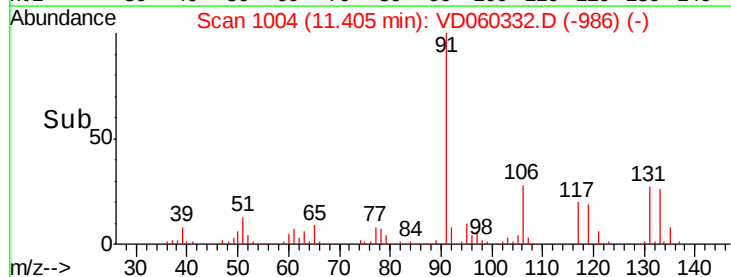
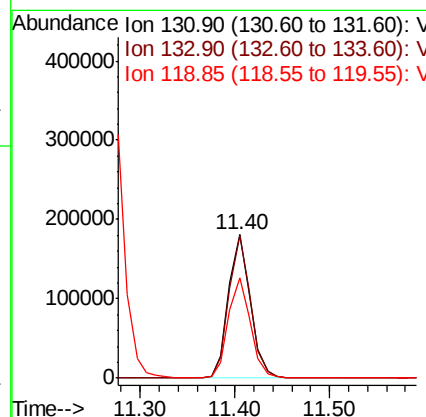
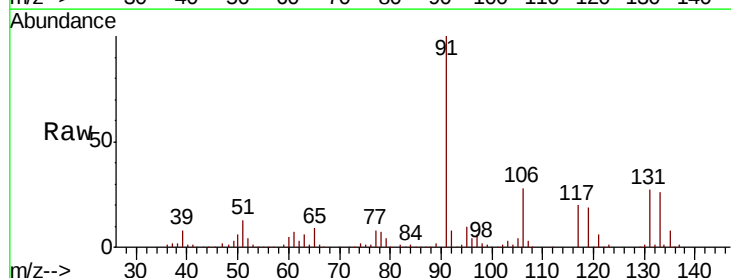
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion:112 Resp: 861579
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.850 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.02 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Tgt Ion:131 Resp: 290318
Ion Ratio Lower Upper
131 100
133 99.2 50.0 150.0
119 70.0 37.0 111.1

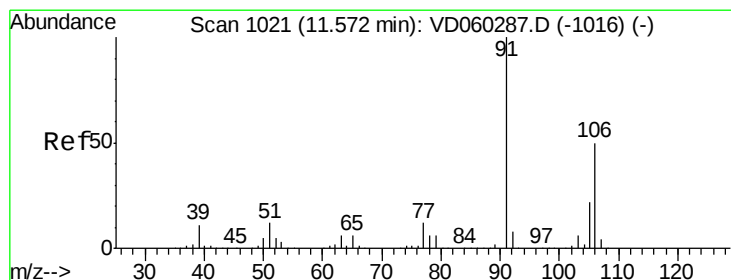
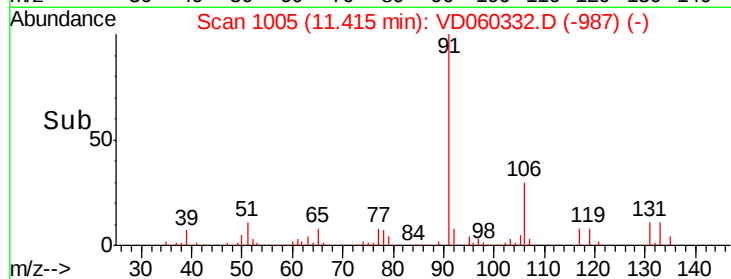
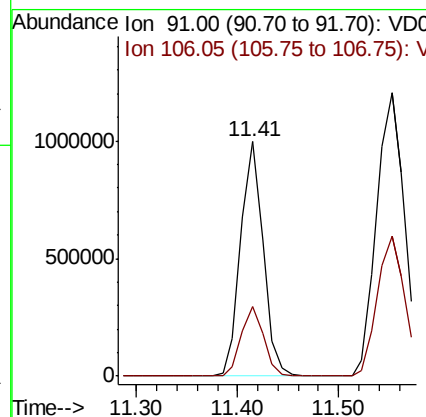
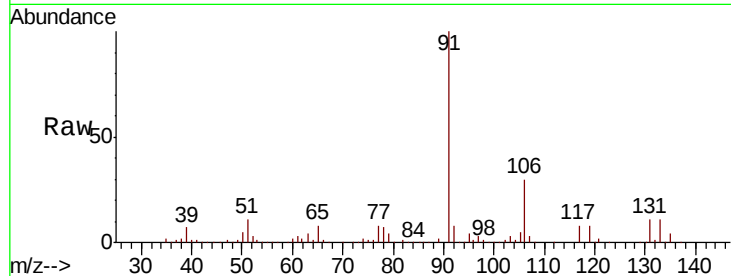




#67
Ethyl Benzene
Concen: 21.335 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

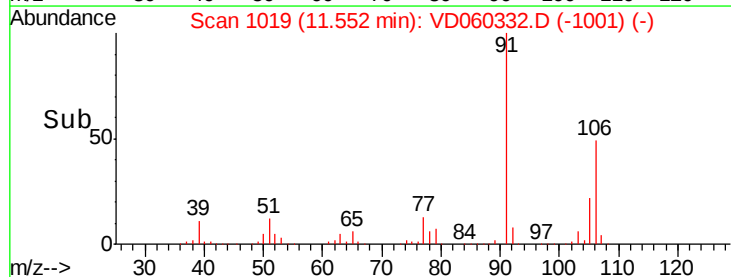
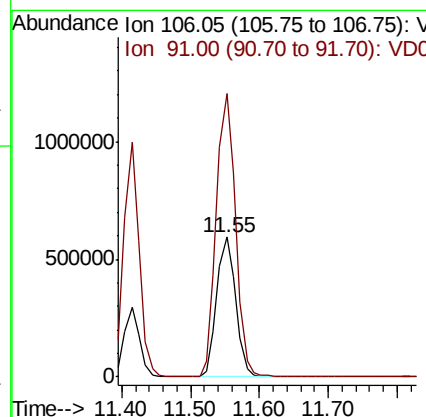
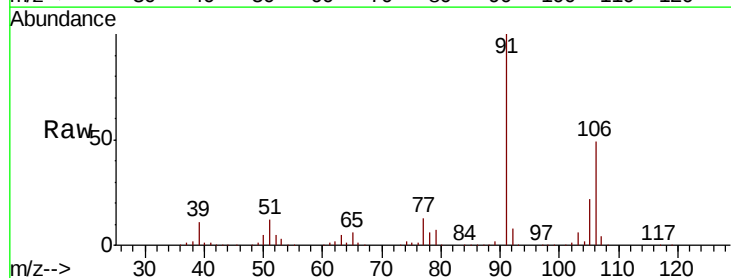
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

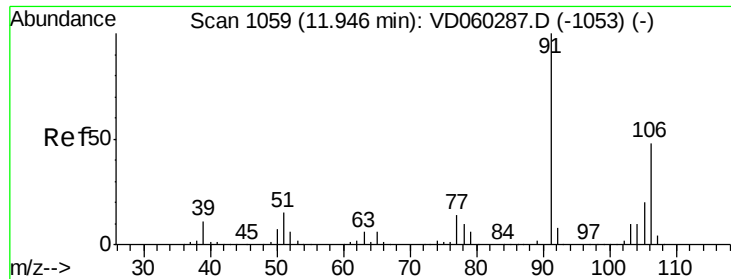
Tot Ion: 91 Resp: 1553174
Ion Ratio Lower Upper
91 100
106 29.6 24.6 36.8



#68
m/p-Xylenes
Concen: 42.565 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.02 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Tgt Ion: 106 Resp: 1143054
Ion Ratio Lower Upper
106 100
91 203.0 159.4 239.2

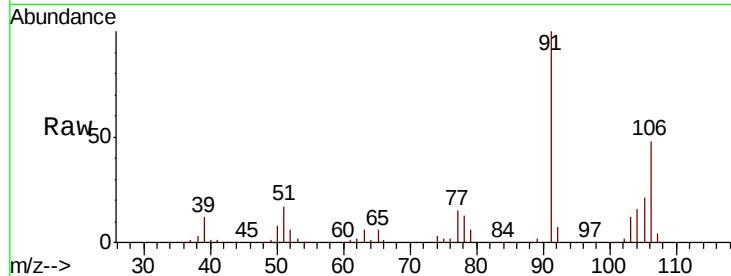




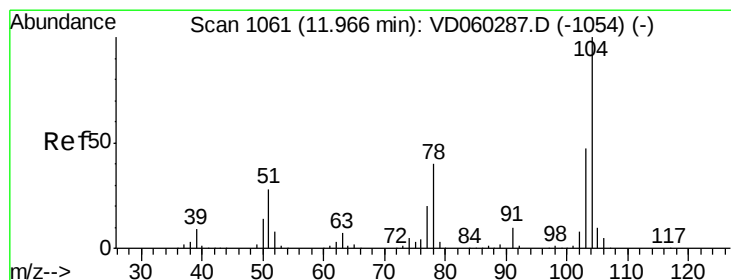
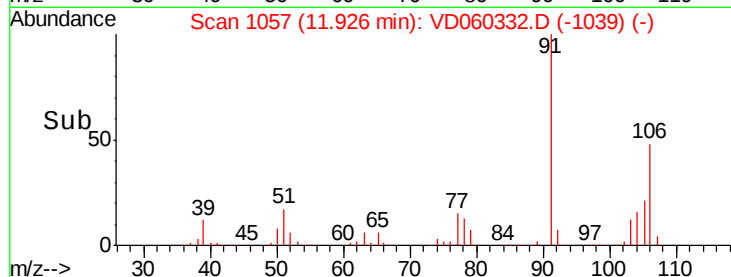
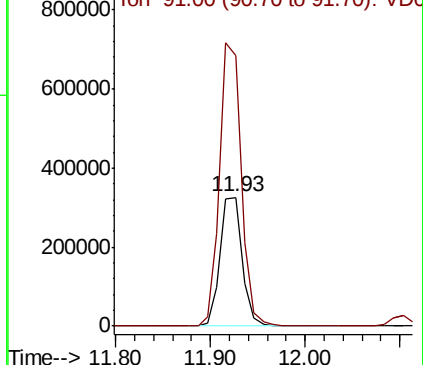
#69
o-Xylene
Concen: 20.370 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion:106 Resp: 528471
Ion Ratio Lower Upper
106 100
91 210.4 109.2 327.6

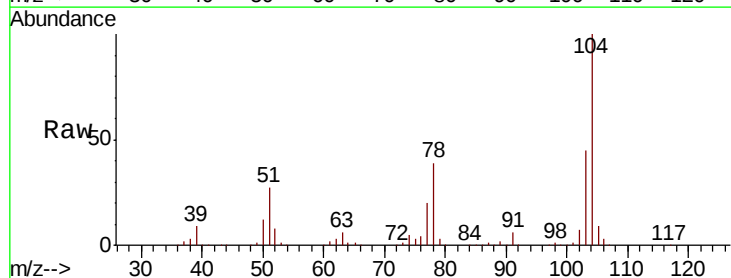


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

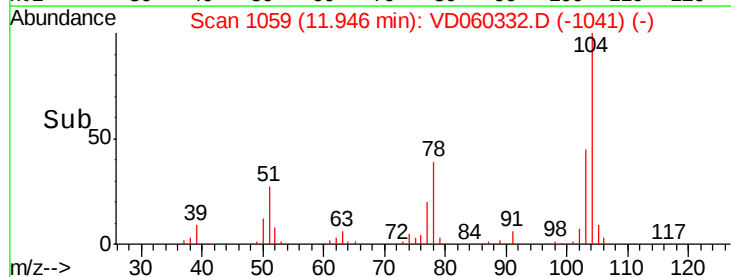
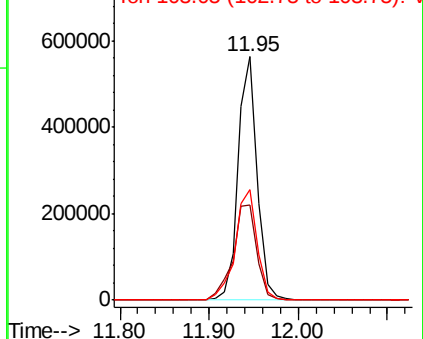


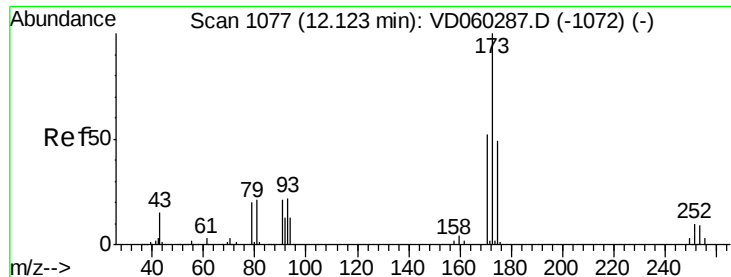
#70
Styrene
Concen: 20.084 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Tgt Ion:104 Resp: 842085
Ion Ratio Lower Upper
104 100
78 39.3 31.6 47.4
103 45.4 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: 19.870 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

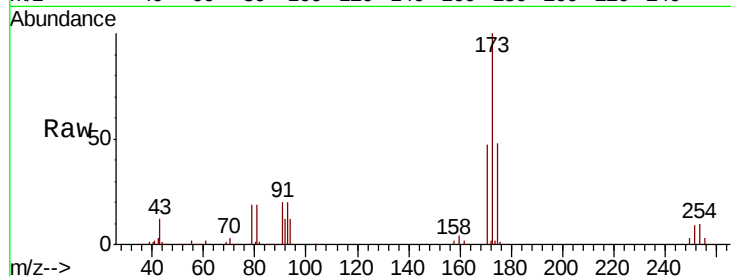
Tot Ion:173 Resp: 185918

Ion Ratio Lower Upper

173 100

175 47.7 24.3 73.0

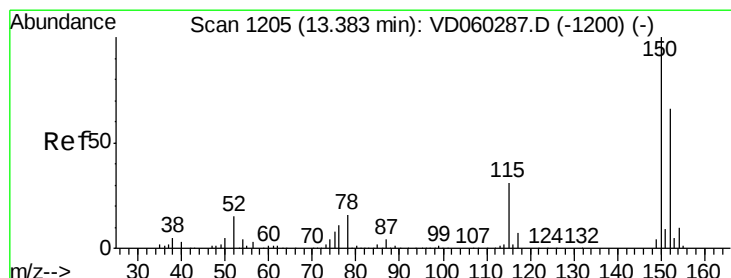
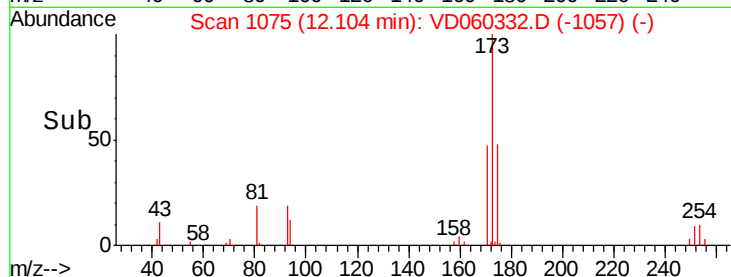
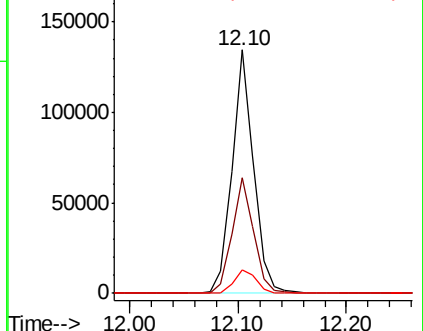
254 9.8 8.3 12.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

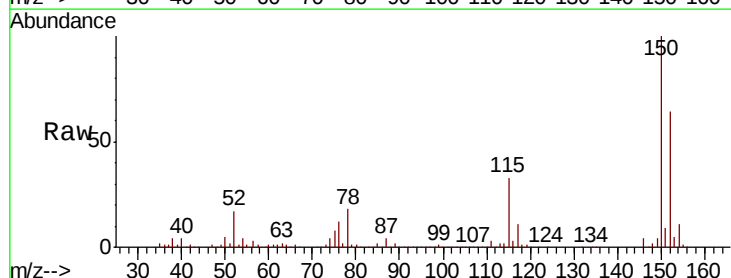
Tgt Ion:152 Resp: 1014434

Ion Ratio Lower Upper

152 100

115 50.8 24.1 72.3

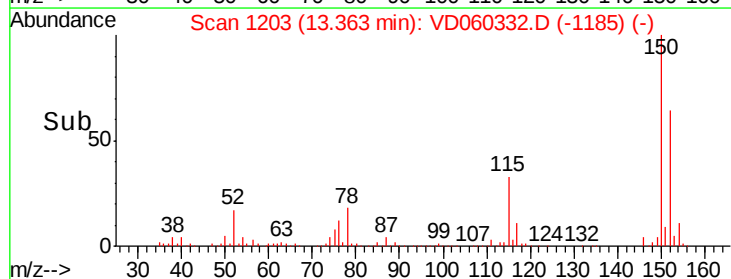
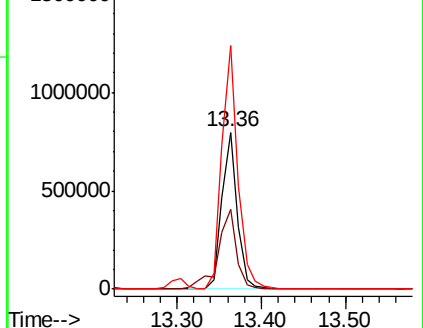
150 155.2 0.0 310.6



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: 20.472 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

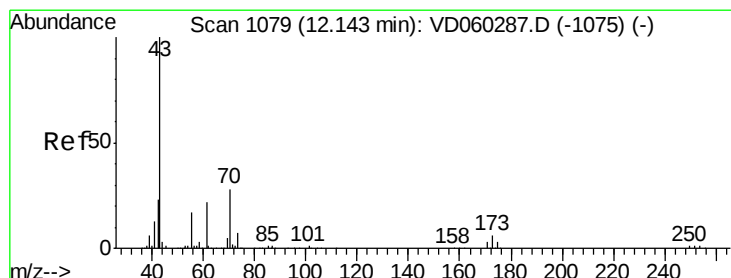
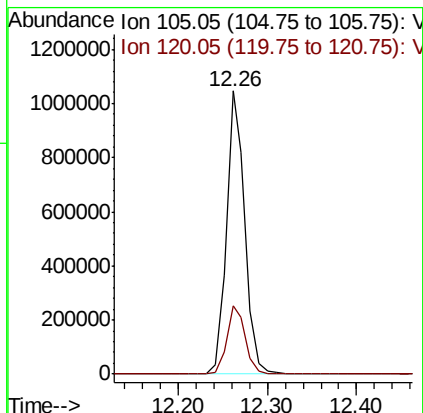
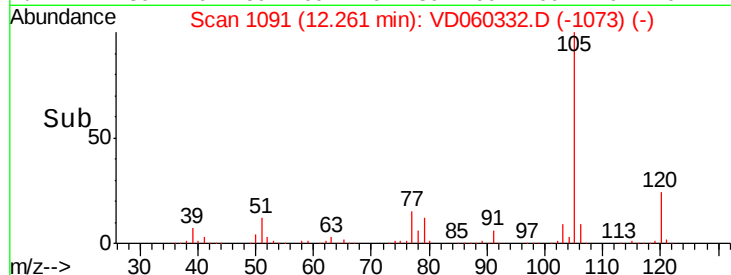
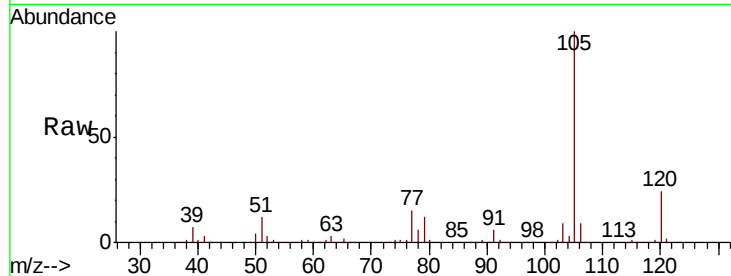
VD1112SBS01

Tot Ion:105 Resp: 1513056

Ion Ratio Lower Upper

105 100

120 24.0 12.1 36.3



#74

N-ethyl acetate

Concen: 18.980 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Tgt Ion: 43 Resp: 359642

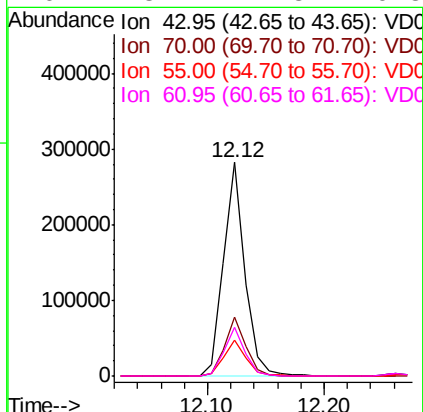
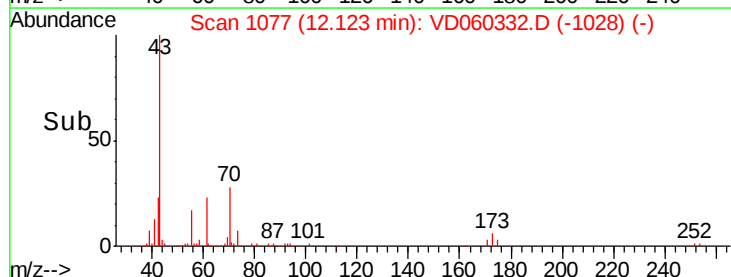
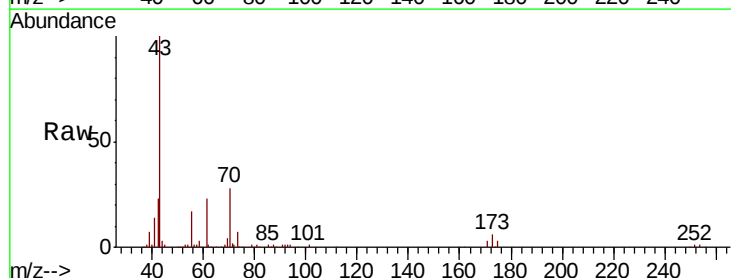
Ion Ratio Lower Upper

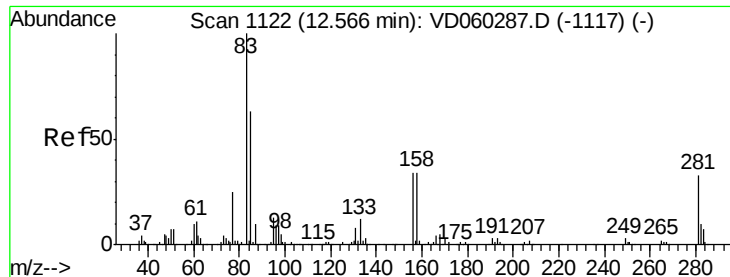
43 100

70 27.9 23.0 34.4

55 16.7 14.2 21.4

61 23.1 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.917 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

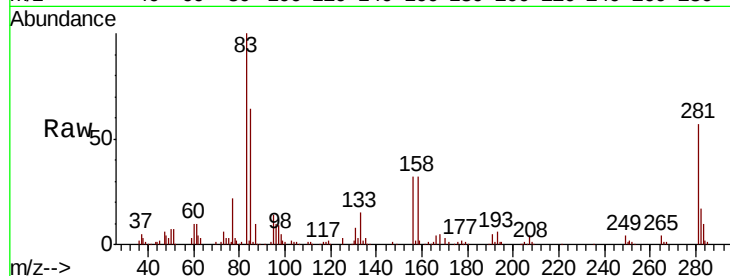
Tot Ion: 83 Resp: 228652

Ion Ratio Lower Upper

83 100

131 8.3 3.9 11.5

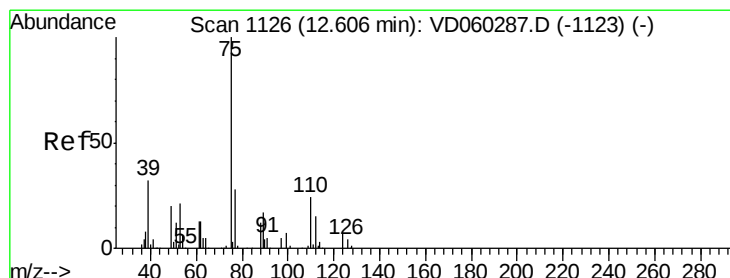
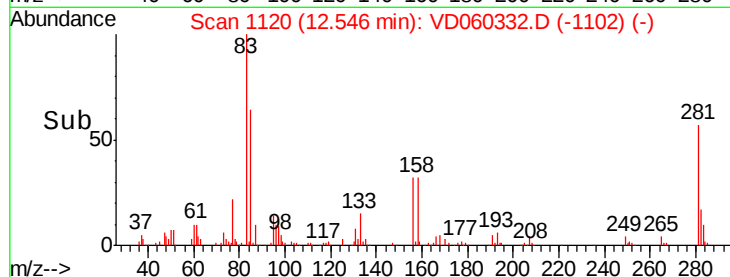
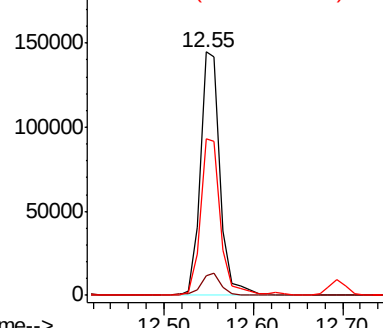
85 64.1 32.0 96.0



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: 19.101 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VD060332.D

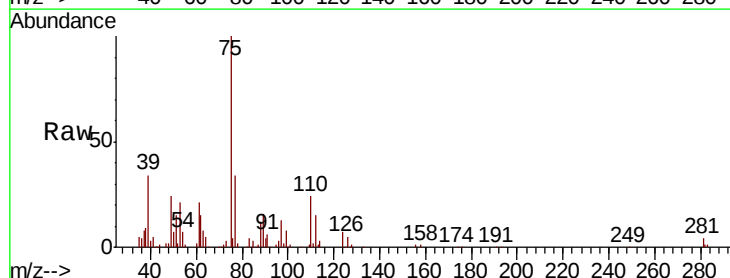
Acq: 12 Nov 2018 12:44

Tgt Ion: 75 Resp: 231795

Ion Ratio Lower Upper

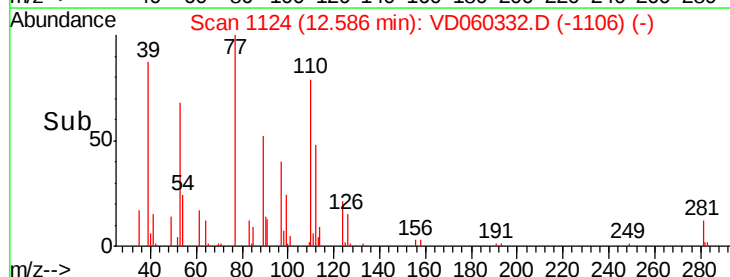
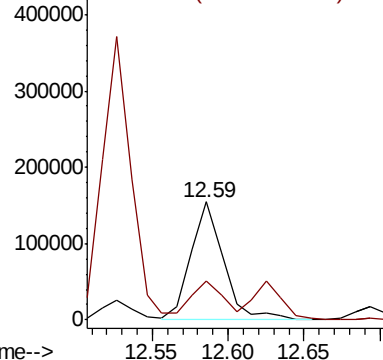
75 100

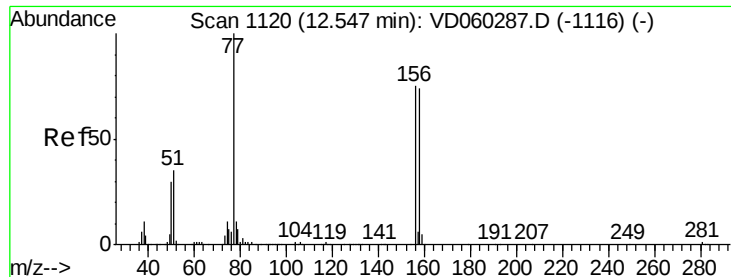
77 33.5 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.674 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

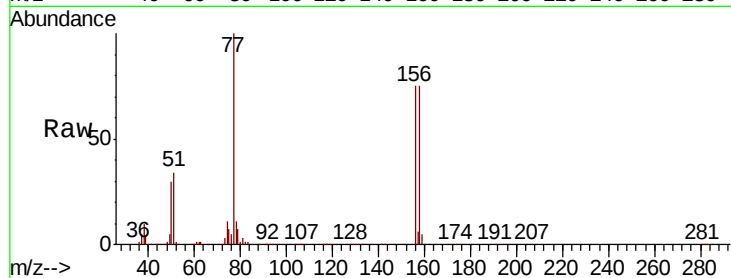
Tot Ion:156 Resp: 386234

Ion Ratio Lower Upper

156 100

77 132.9 61.2 183.6

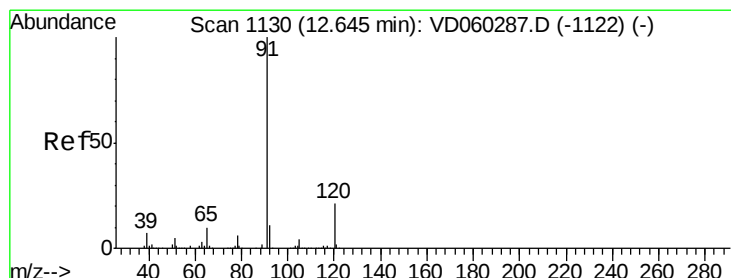
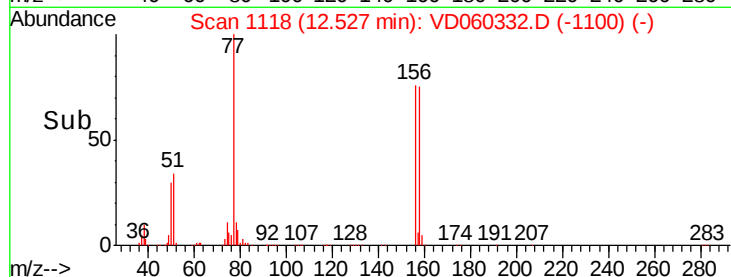
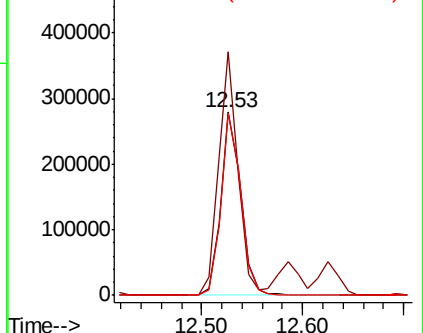
158 99.1 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.181 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060332.D

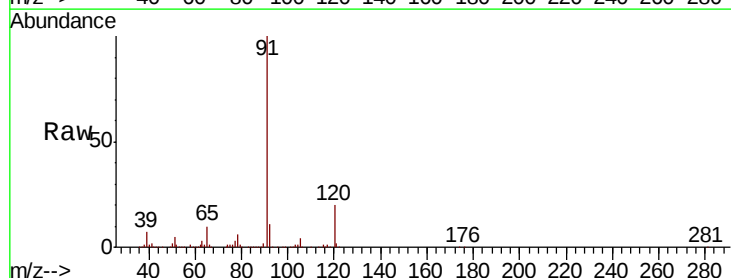
Acq: 12 Nov 2018 12:44

Tgt Ion: 91 Resp: 1953978

Ion Ratio Lower Upper

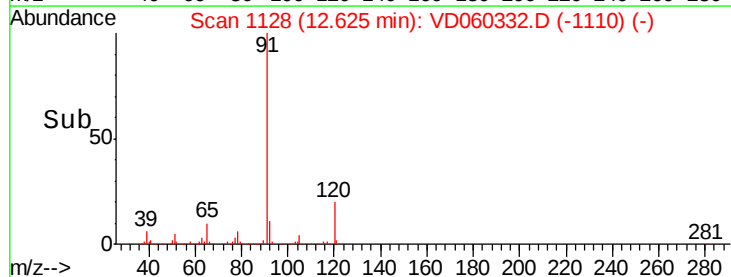
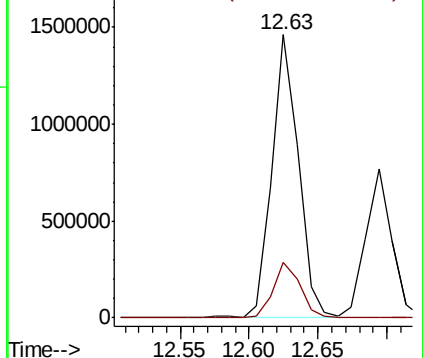
91 100

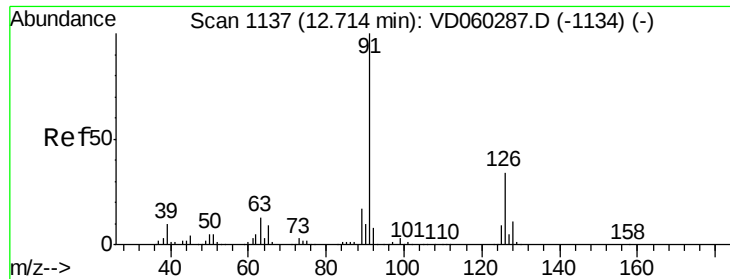
120 19.5 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

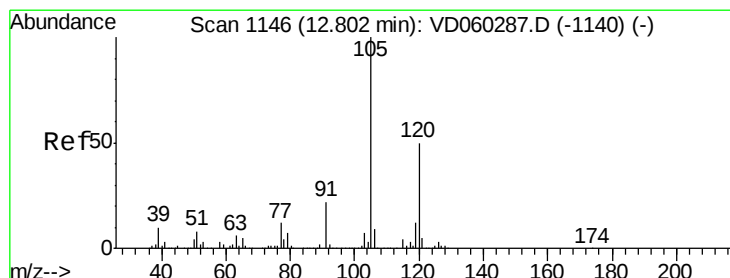
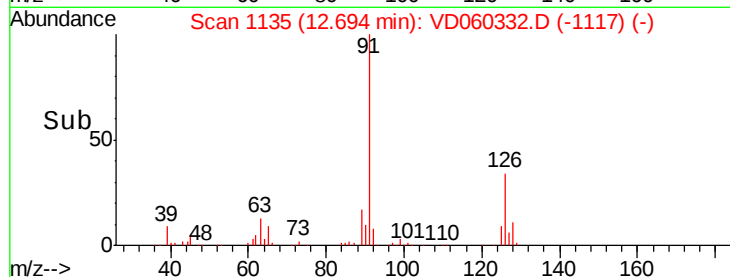
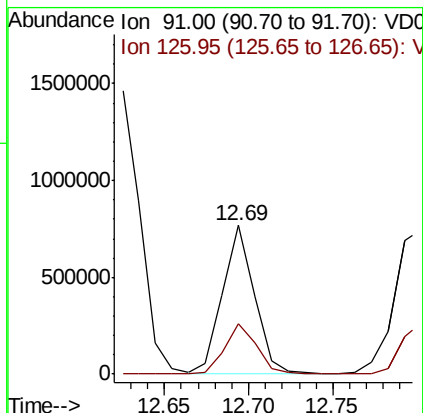
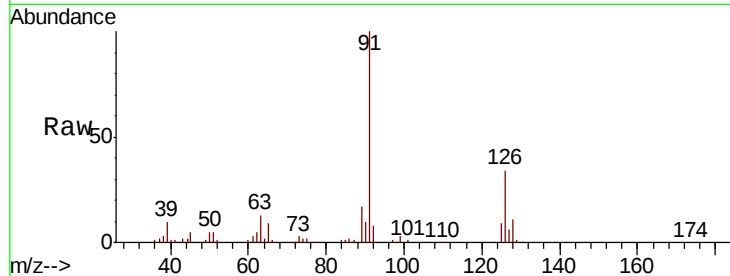




#79
 2-Chlorotoluene
 Concen: 20.125 ug/l
 RT: 12.69 min Scan# 1135
 Delta R.T. -0.02 min
 Lab File: VD060332.D
 Acq: 12 Nov 2018 12:44

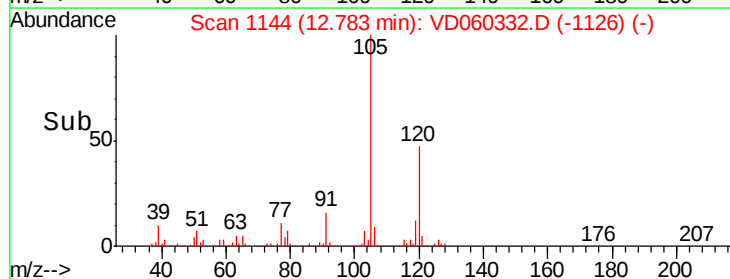
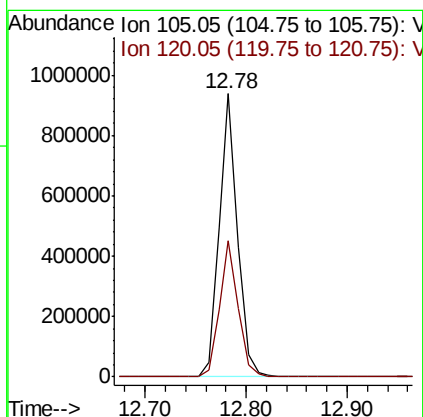
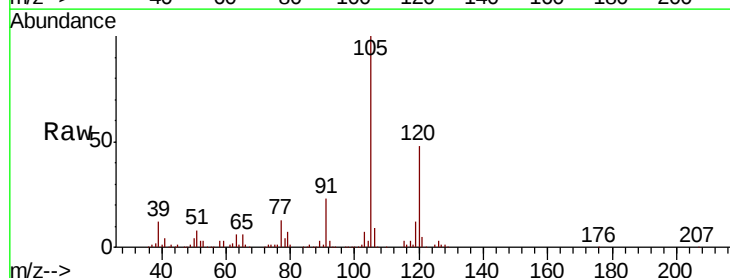
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

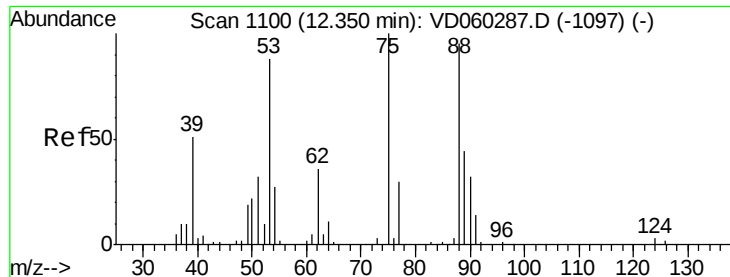
Tot Ion: 91 Resp: 1016835
 Ion Ratio Lower Upper
 91 100
 126 33.6 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.715 ug/l
 RT: 12.78 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VD060332.D
 Acq: 12 Nov 2018 12:44

Tgt Ion: 105 Resp: 1189815
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.939 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

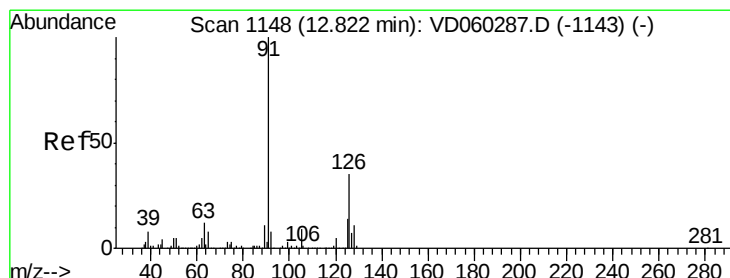
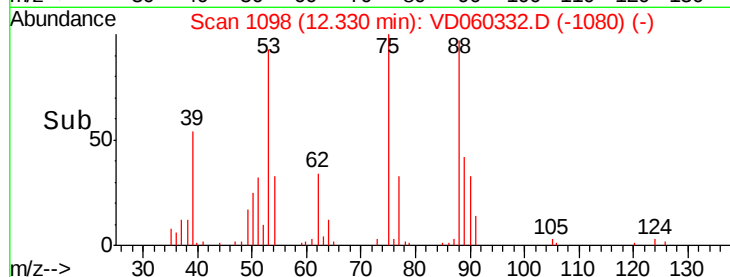
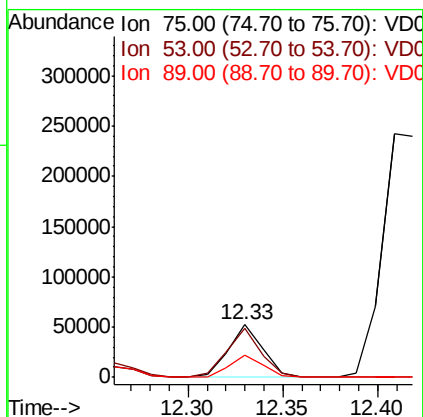
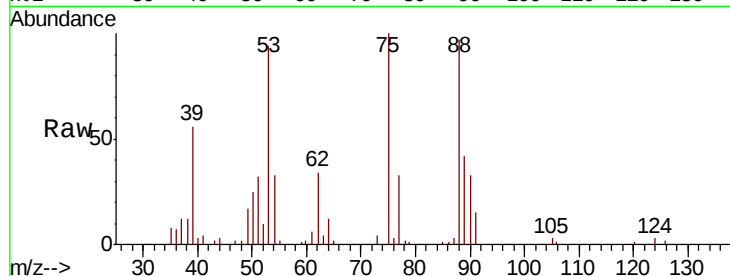
Tot Ion: 75 Resp: 65429

Ion Ratio Lower Upper

75 100

53 93.6 68.6 103.0

89 41.8 34.1 51.1



#82

4-Chlorotoluene

Concen: 20.758 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.02 min

Lab File: VD060332.D

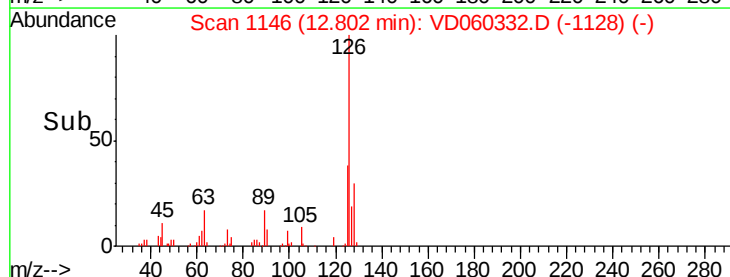
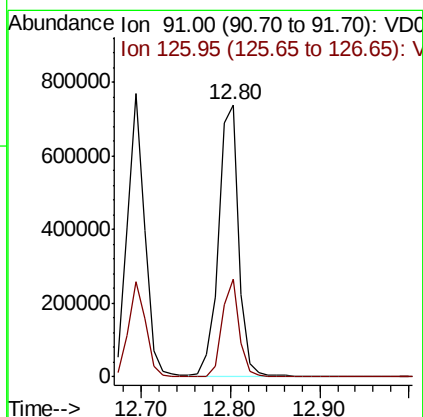
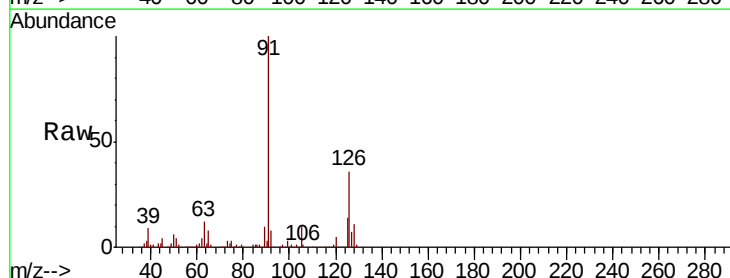
Acq: 12 Nov 2018 12:44

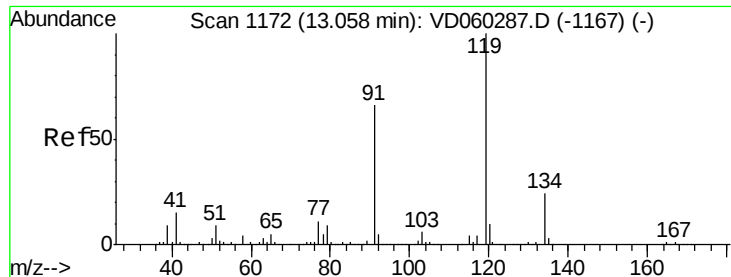
Tgt Ion: 91 Resp: 1178143

Ion Ratio Lower Upper

91 100

126 35.9 14.8 44.4

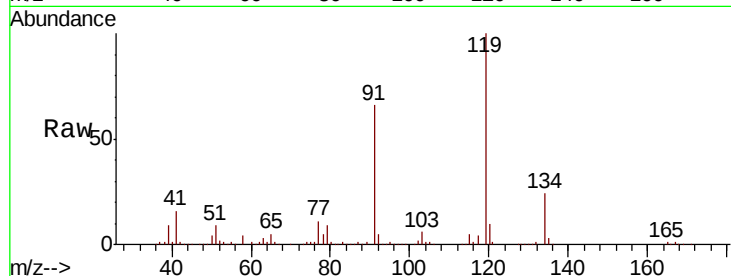




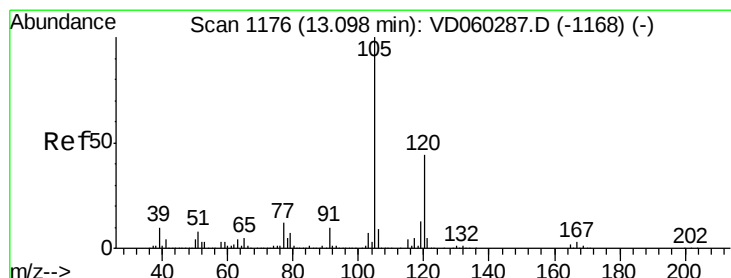
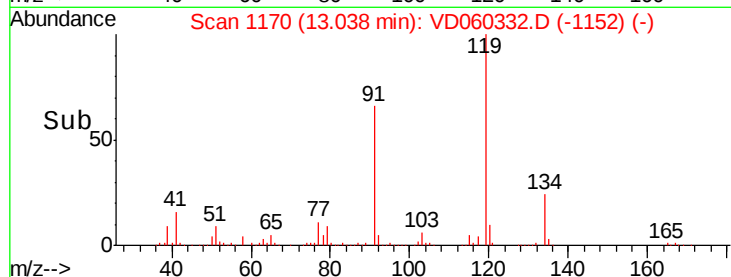
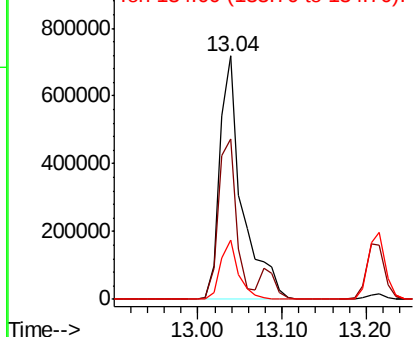
#83
tert-Butylbenzene
Concen: 20.778 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.02 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion:119 Resp: 1325026
Ion Ratio Lower Upper
119 100
91 66.0 32.7 98.1
134 24.3 12.1 36.3

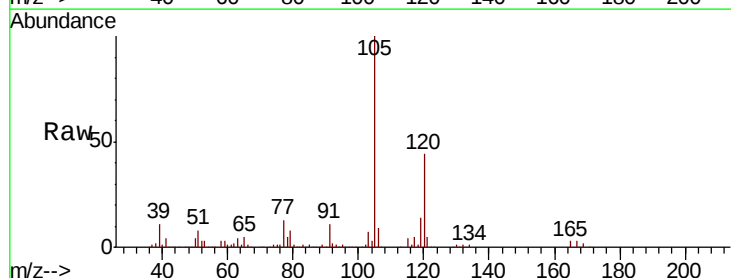


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): VD
Ion 134.00 (133.70 to 134.70): V

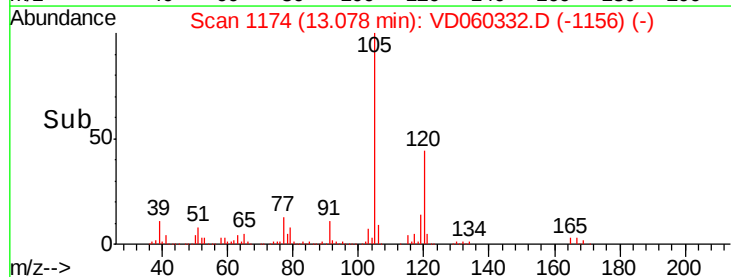
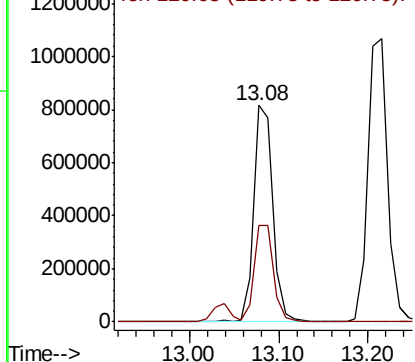


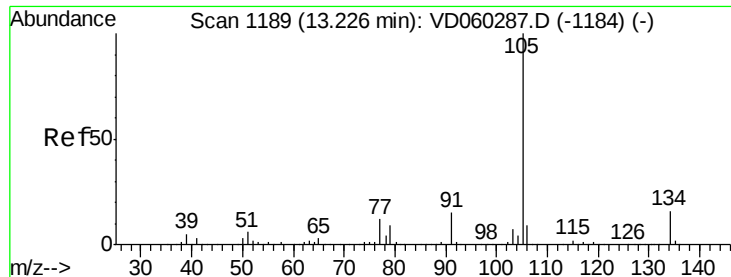
#84
1,2,4-Trimethylbenzene
Concen: 20.678 ug/l
RT: 13.08 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Tgt Ion:105 Resp: 1186144
Ion Ratio Lower Upper
105 100
120 44.3 21.9 65.8



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





#85

sec-Butylbenzene

Concen: 20.555 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

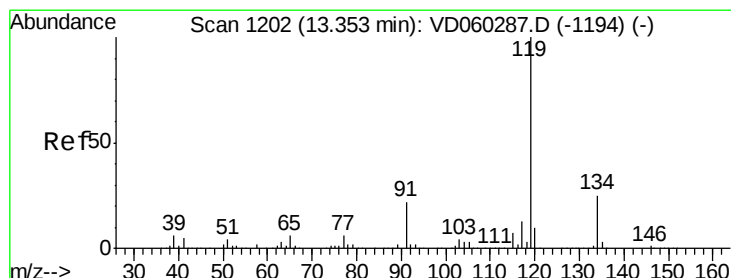
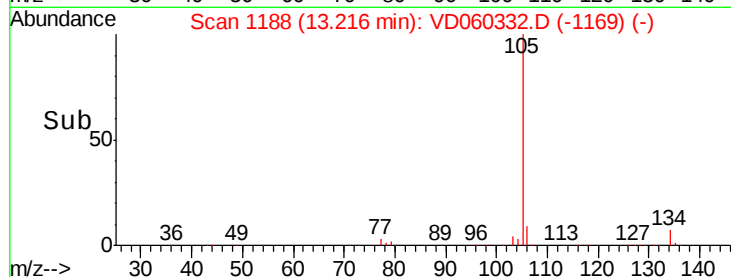
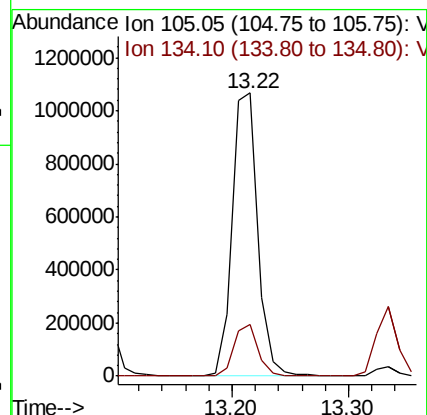
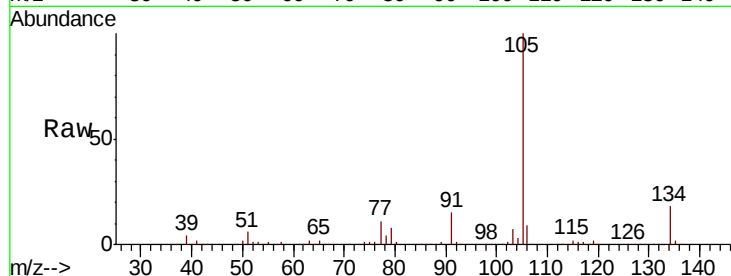
VD1112SBS01

Tot Ion:105 Resp: 1608195

Ion Ratio Lower Upper

105 100

134 18.4 8.0 24.0



#86

p-Isopropyltoluene

Concen: 20.836 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

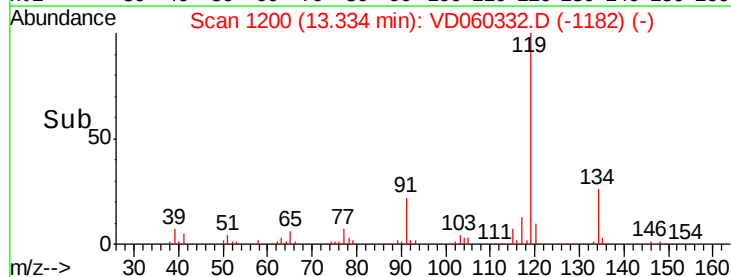
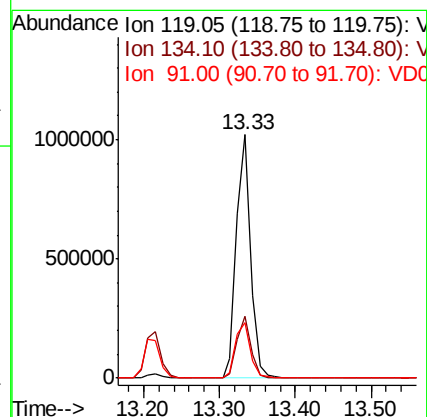
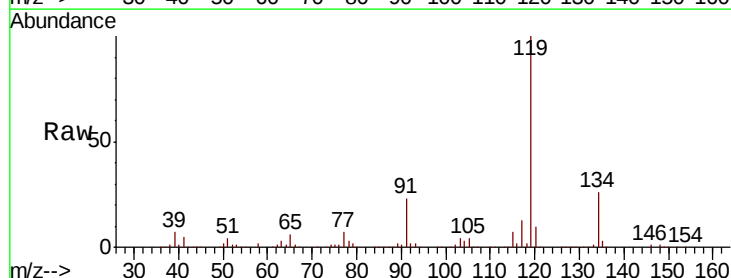
Tgt Ion:119 Resp: 1312792

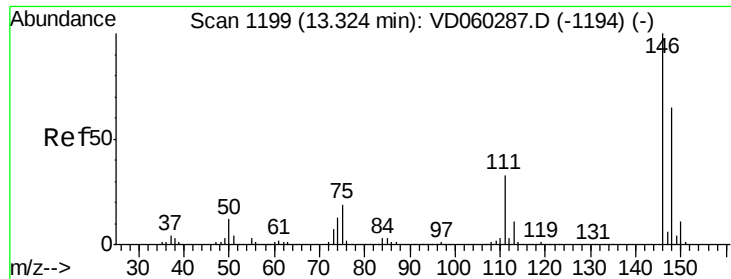
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 22.6 11.3 33.8

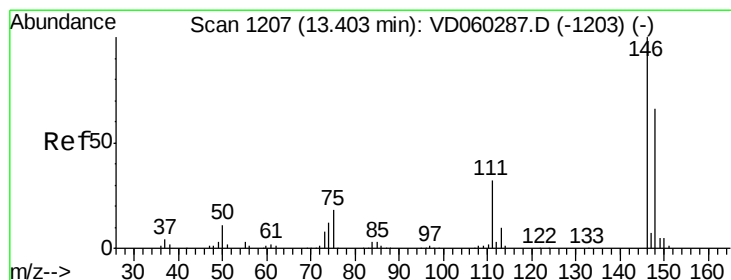
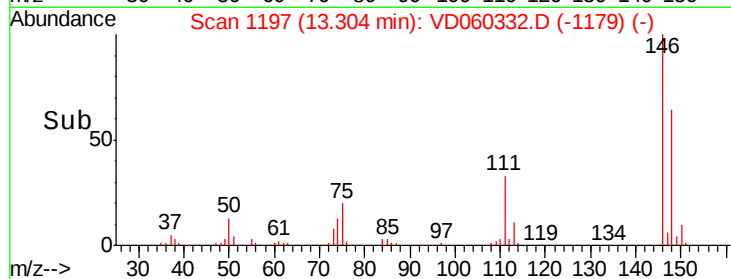
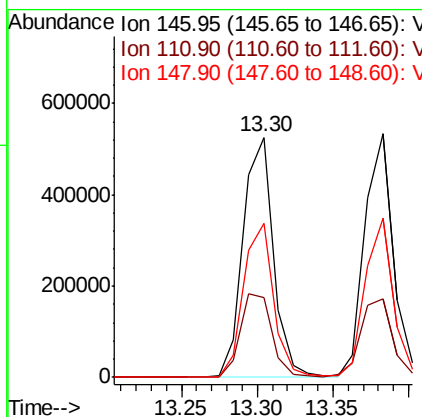
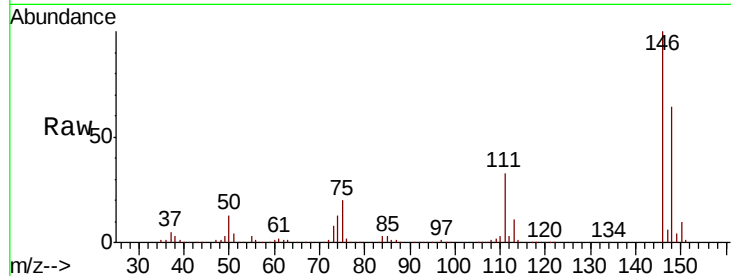




#87
 1,3-Dichlorobenzene
 Concen: 21.011 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD060332.D
 Acq: 12 Nov 2018 12:44

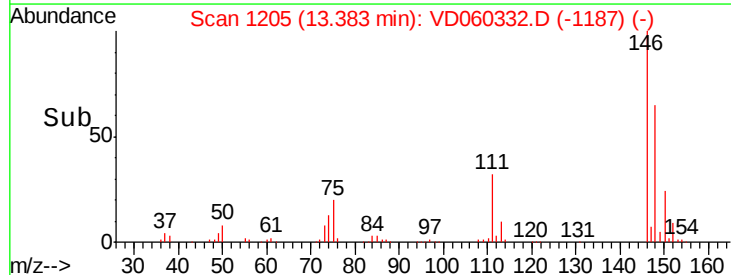
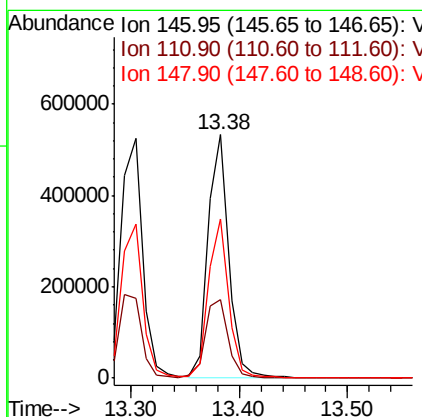
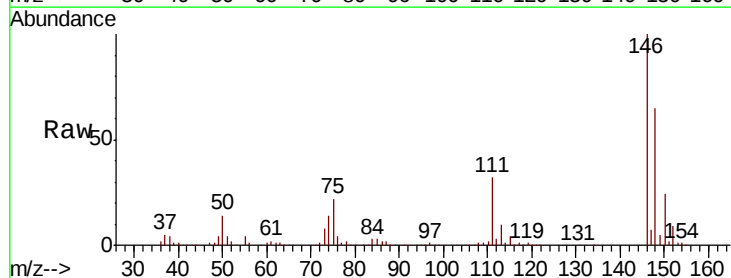
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

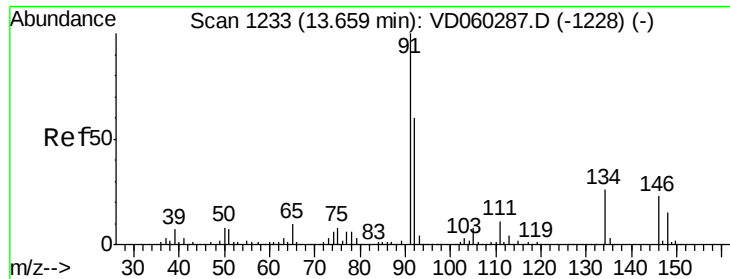
Tot Ion	Ratio	Lower	Upper
146	100		
111	33.4	20.2	60.5
148	64.0	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.839 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: VD060332.D
 Acq: 12 Nov 2018 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.2	16.0	47.9
148	65.3	32.9	98.7

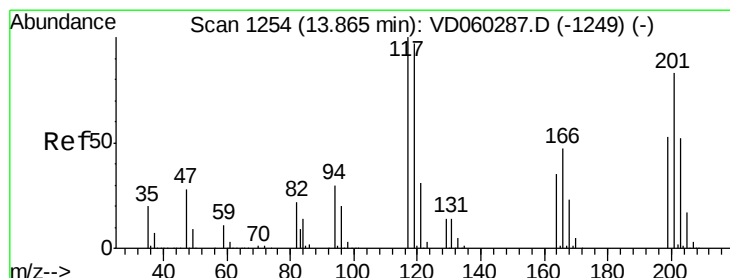
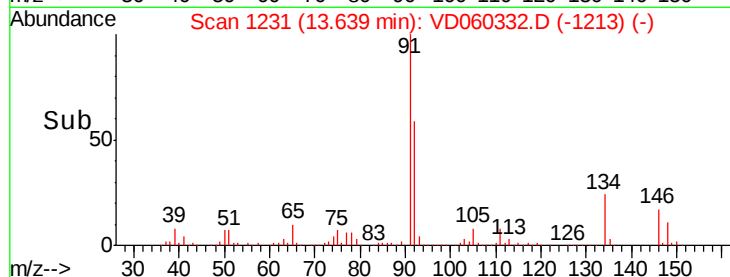
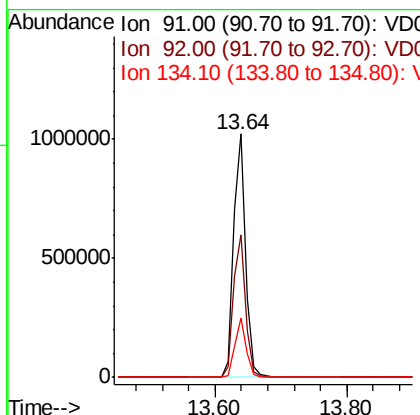
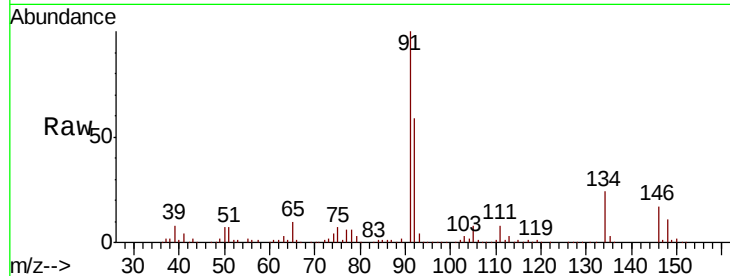




#89
n-Butylbenzene
Concen: 18.574 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

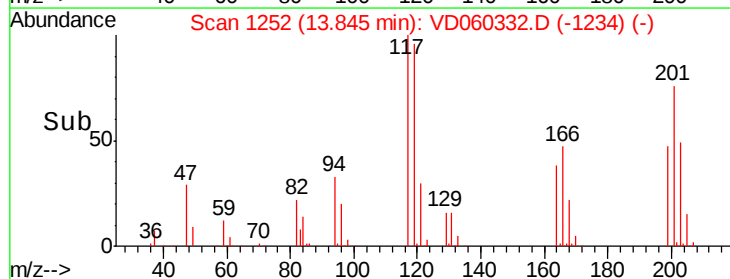
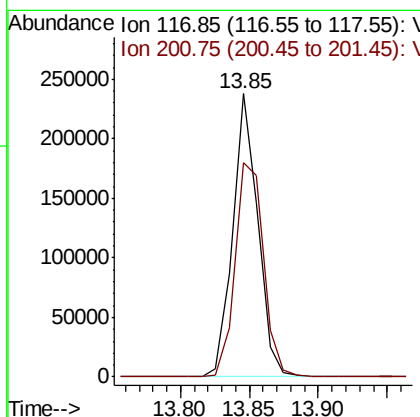
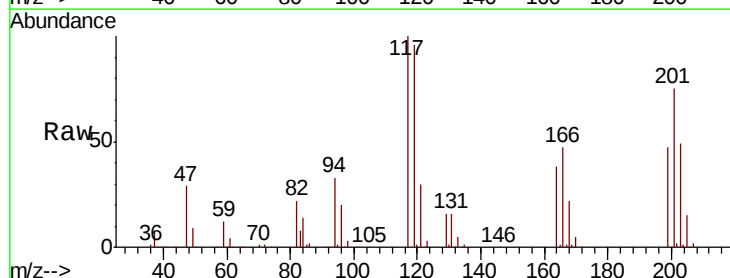
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

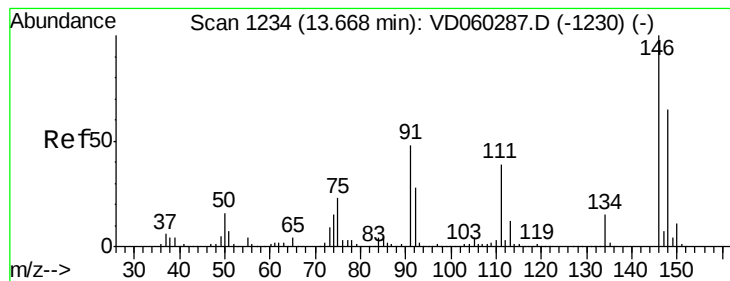
Tot Ion: 91 Resp: 1297532
Ion Ratio Lower Upper
91 100
92 58.7 30.3 90.9
134 24.2 13.0 38.9



#90
Hexachloroethane
Concen: 20.151 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.02 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Tgt Ion: 117 Resp: 301049
Ion Ratio Lower Upper
117 100
201 75.5 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 19.985 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

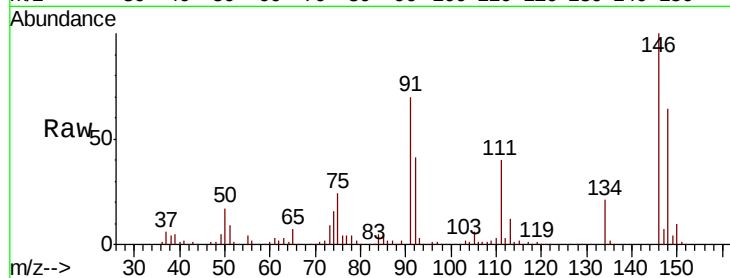
Tot Ion:146 Resp: 573355

Ion Ratio Lower Upper

146 100

111 39.5 18.9 56.9

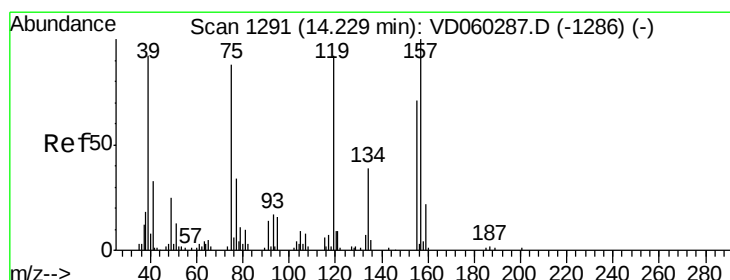
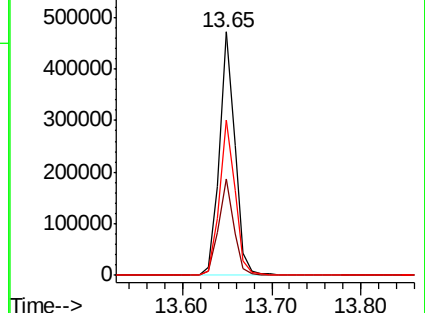
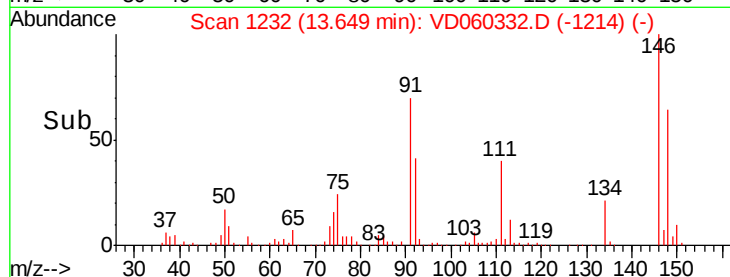
148 63.9 31.6 94.8



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: 18.644 ug/l

RT: 14.22 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VD060332.D

Acq: 12 Nov 2018 12:44

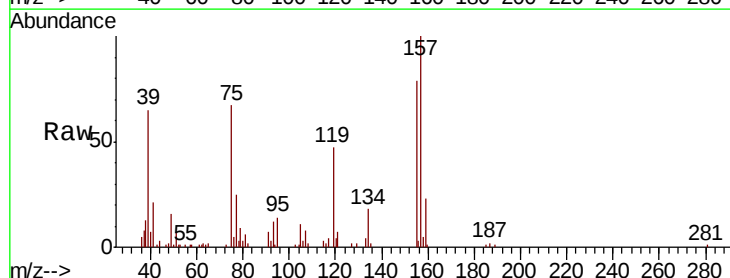
Tgt Ion: 75 Resp: 27203

Ion Ratio Lower Upper

75 100

155 118.2 64.3 192.9

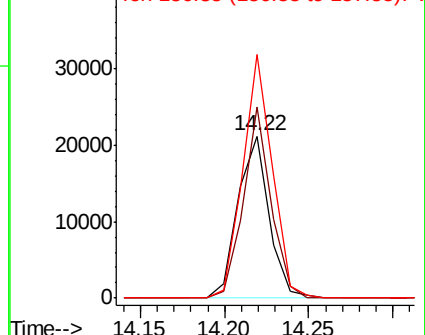
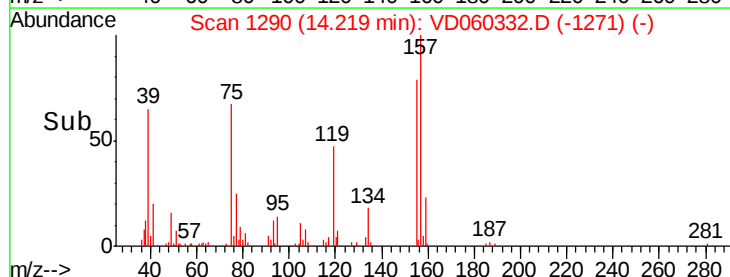
157 150.2 81.0 243.1

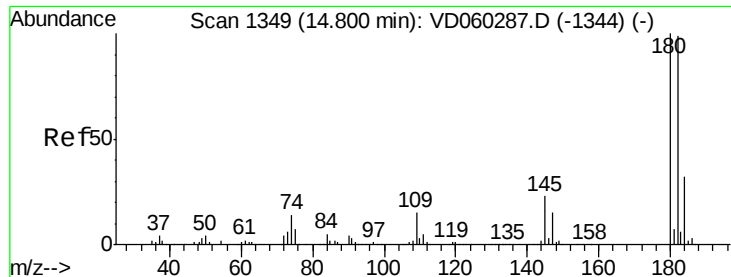


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

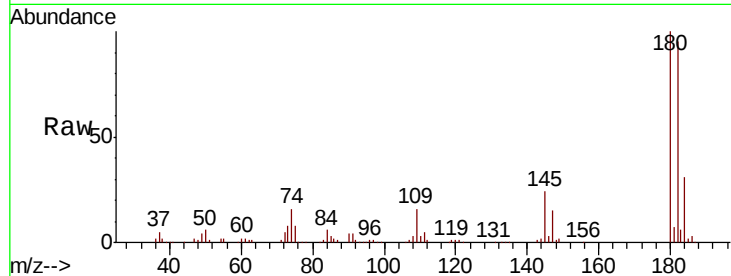




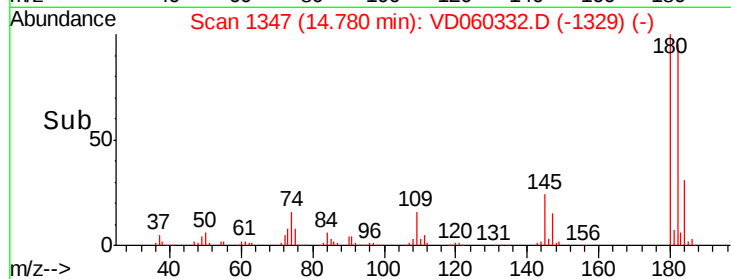
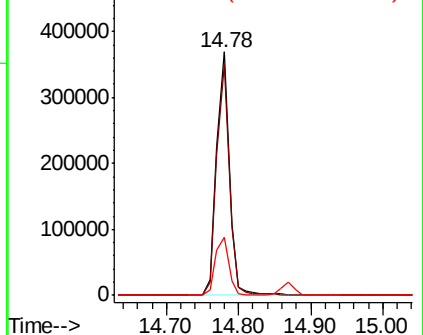
#93
 1,2,4-Trichlorobenzene
 Concen: 19.889 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: VD060332.D
 Acq: 12 Nov 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Tot Ion:180 Resp: 452408
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.1 144.4
 145 23.6 11.5 34.4

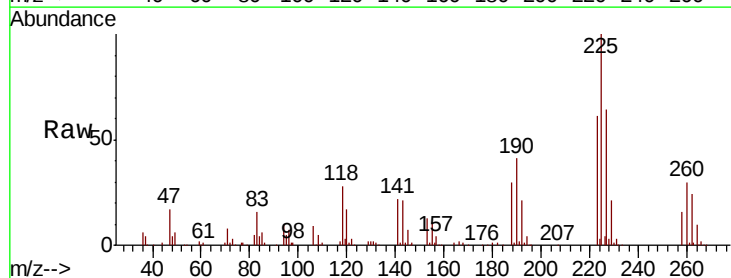


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

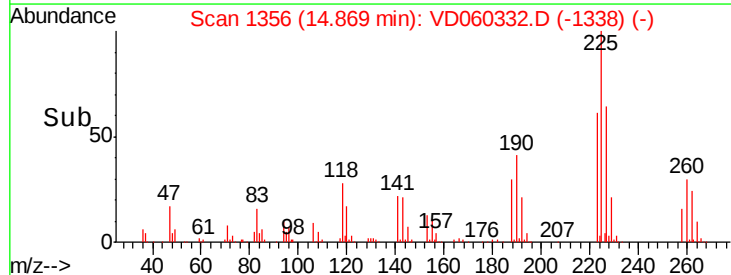
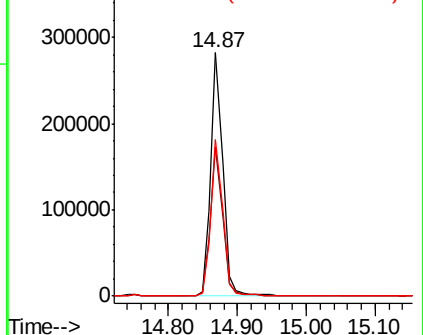


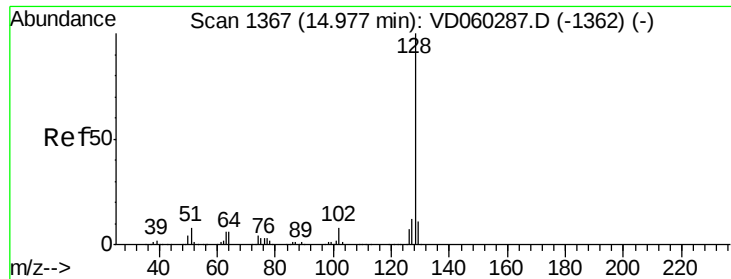
#94
 Hexachlorobutadiene
 Concen: 20.392 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.02 min
 Lab File: VD060332.D
 Acq: 12 Nov 2018 12:44

Tgt Ion:225 Resp: 346944
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.6 94.8
 227 64.1 32.3 96.9



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

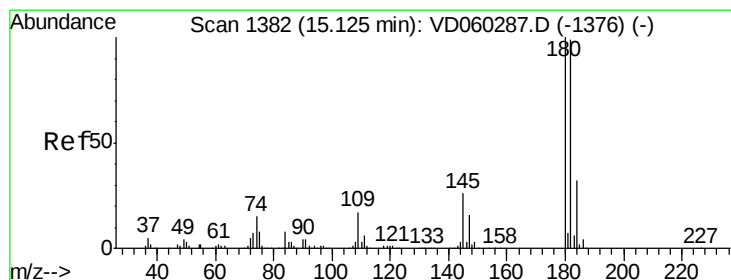
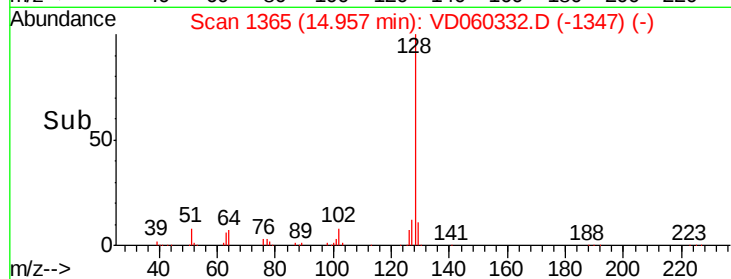
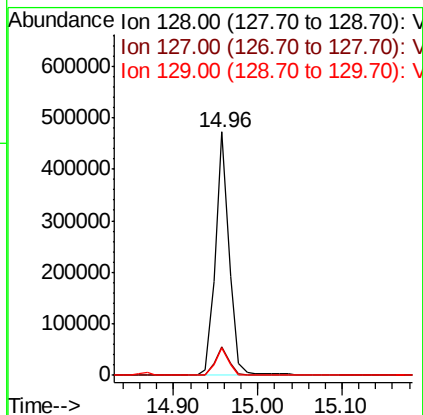
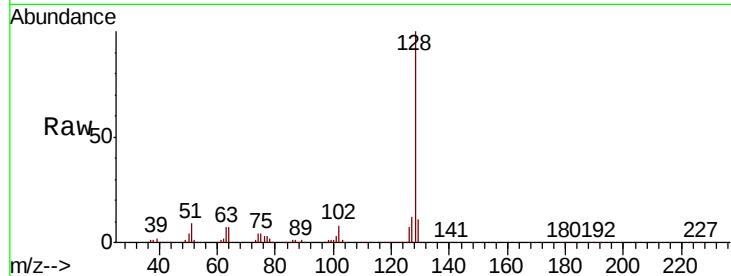




#95
Naphthalene
Concen: 19.347 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion:128 Resp: 537364
Ion Ratio Lower Upper
128 100
127 11.7 9.6 14.4
129 11.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.156 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.02 min
Lab File: VD060332.D
Acq: 12 Nov 2018 12:44

Tgt Ion:180 Resp: 367400
Ion Ratio Lower Upper
180 100
182 96.3 48.9 146.7
145 25.3 12.9 38.6

