

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111218\
 Data File : VD060338.D
 Acq On : 12 Nov 2018 15:33
 Operator : JC/SY
 Sample : J5889-08MS
 Misc : 10.09g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMS

Quant Time: Nov 13 00:40:19 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	28205	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	41272	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	42387	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.37	152	25863	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	22042	109.14	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	218.28%	
35) Dibromofluoromethane	6.30	113	22699	73.76	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	147.52%	
50) Toluene-d8	9.44	98	57204	63.51	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	127.02%	
62) 4-Bromofluorobenzene	12.42	95	24933	76.39	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	152.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	11744	53.395	ug/l	93
3) Chloromethane	1.76	50	17872	66.894	ug/l	94
4) Vinyl Chloride	1.86	62	9959	45.644	ug/l	95
5) Bromomethane	2.17	94	9081	175.428	ug/l	87
6) Chloroethane	2.27	64	6338	87.547	ug/l	99
7) Trichlorofluoromethane	2.51	101	13507	52.508	ug/l	100
8) Diethyl Ether	2.82	74	5159	110.772	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.07	101	7720	45.629	ug/l #	84
10) Methyl Iodide	3.25	142	16642	75.733	ug/l	93
11) Tert butyl alcohol	3.93	59	11585	1396.980	ug/l #	70
12) 1,1-Dichloroethene	3.06	96	6932	50.370	ug/l	97
13) Acrolein	2.97	56	10982	1120.732	ug/l #	74
14) Allyl chloride	3.52	41	16623	63.127	ug/l	95
15) Acrylonitrile	4.07	53	69959	1446.639	ug/l	98
16) Acetone	3.14	43	61751	1762.763	ug/l	98
17) Carbon Disulfide	3.31	76	21965	49.447	ug/l	96
18) Methyl Acetate	3.54	43	27713	371.021	ug/l	95
19) Methyl tert-butyl Ether	4.11	73	52942	128.471	ug/l	95
20) Methylene Chloride	3.71	84	29190	93.934	ug/l	94
21) trans-1,2-Dichloroethene	4.08	96	15935	52.148	ug/l	88
22) Diisopropyl ether	4.83	45	89185	90.654	ug/l #	81
23) Vinyl Acetate	4.78	43	329489	673.086	ug/l	99
24) 1,1-Dichloroethane	4.74	63	32910	65.234	ug/l	97
25) 2-Butanone	5.60	43	107467	1475.918	ug/l	96
26) 2,2-Dichloropropane	5.57	77	20304	51.767	ug/l	88
27) cis-1,2-Dichloroethene	5.57	96	21239	66.719	ug/l	97
28) Bromochloromethane	5.91	49	23622	106.121	ug/l	97
29) Tetrahydrofuran	5.93	42	59596	1552.408	ug/l	93
30) Chloroform	6.08	83	36190	71.757	ug/l	99
31) Cyclohexane	6.35	56	19273	39.970	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	21762	51.226	ug/l #	93
36) 1,1-Dichloropropene	6.51	75	19329	47.404	ug/l	95
37) Ethyl Acetate	5.67	43	44476	237.041	ug/l #	93
38) Carbon Tetrachloride	6.48	117	16797	44.408	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	18098	38.590	ug/l	91
40) Benzene	6.78	78	65796	63.215	ug/l	99
41) Methacrylonitrile	5.93	41	55056	256.370	ug/l #	94
42) 1,2-Dichloroethane	6.87	62	27205	99.860	ug/l	97
43) Isopropyl Acetate	8.33	43	48295	204.912	ug/l #	97
44) Trichloroethene	7.73	130	17158	54.381	ug/l	98
45) 1,2-Dichloropropane	8.09	63	18763	71.478	ug/l	93
46) Dibromomethane	8.20	93	17807	115.825	ug/l	95
47) Bromodichloromethane	8.47	83	27943	77.129	ug/l	90
48) Methyl methacrylate	8.23	41	26824	187.369	ug/l	96
49) 1,4-Dioxane	8.21	88	7227	5834.466	ug/l	92
51) 4-Methyl-2-Pentanone	9.32	43	185601	1209.921	ug/l	94
52) Toluene	9.54	92	42512	63.941	ug/l	95
53) t-1,3-Dichloropropene	9.90	75	24955	81.524	ug/l #	88
54) cis-1,3-Dichloropropene	9.09	75	29177	74.316	ug/l	94
55) 1,1,2-Trichloroethane	10.17	97	23883	123.938	ug/l	93
56) Ethyl methacrylate	10.02	69	22789	128.621	ug/l	94
57) 1,3-Dichloropropane	10.36	76	35532	121.008	ug/l #	88
58) 2-Chloroethyl Vinyl ether	8.91	63	76792	716.802	ug/l	95
59) 2-Hexanone	10.47	43	144574	1322.321	ug/l	94
60) Dibromochloromethane	10.63	129	22709	96.945	ug/l	95
61) 1,2-Dibromoethane	10.75	107	24833	128.617	ug/l	99
64) Tetrachloroethene	10.24	164	16821	44.452	ug/l	92
65) Chlorobenzene	11.30	112	49530	53.930	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	17786	59.189	ug/l	96
67) Ethyl Benzene	11.42	91	76522	48.707	ug/l	92
68) m/p-Xylenes	11.56	106	56830	98.060	ug/l	93
69) o-Xylene	11.93	106	26571	47.458	ug/l	93
70) Styrene	11.95	104	48171	53.237	ug/l	97
71) Bromoform	12.11	173	19789	98.002	ug/l	92
73) Isopropylbenzene	12.26	105	68186	36.186	ug/l	91
74) N-amyl acetate	12.13	43	48507	100.409	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.55	83	38137	123.754	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	36327	117.418	ug/l	96
77) Bromobenzene	12.53	156	24914	49.776	ug/l	91
78) n-propylbenzene	12.63	91	88024	37.426	ug/l	97
79) 2-Chlorotoluene	12.70	91	53021	41.160	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	58077	39.659	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.33	75	8630	97.979	ug/l #	85
82) 4-Chlorotoluene	12.80	91	67509	46.654	ug/l	88
83) tert-Butylbenzene	13.04	119	61106	37.585	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	59865	40.934	ug/l	95
85) sec-Butylbenzene	13.22	105	66130	33.153	ug/l	92
86) p-Isopropyltoluene	13.34	119	57186	35.601	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	42851	48.120	ug/l	93
88) 1,4-Dichlorobenzene	13.39	146	44868	51.590	ug/l	96
89) n-Butylbenzene	13.64	91	54045	32.357	ug/l	97
90) Hexachloroethane	13.85	117	11335	29.759	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	43371	59.296	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	4464	120.002	ug/l	90

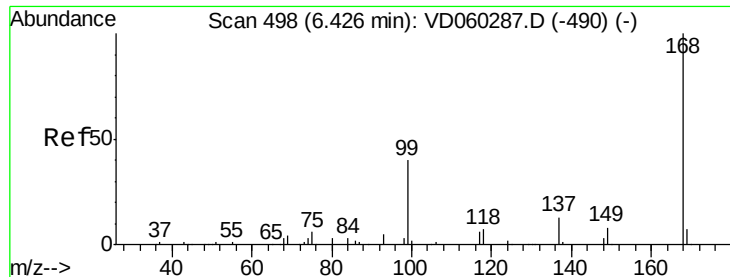
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	27315	47.101	ug/l	95
94) Hexachlorobutadiene	14.87	225	14756	34.018	ug/l	98
95) Naphthalene	14.96	128	49492	69.891	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	22213	47.799	ug/l	98

(#) = 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: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

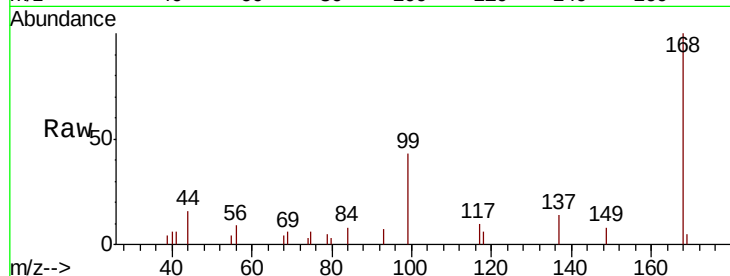
WALL-DMS

Tot Ion:168 Resp: 28205

Ion Ratio Lower Upper

168 100

99 43.0 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

10000

8000

6000

4000

2000

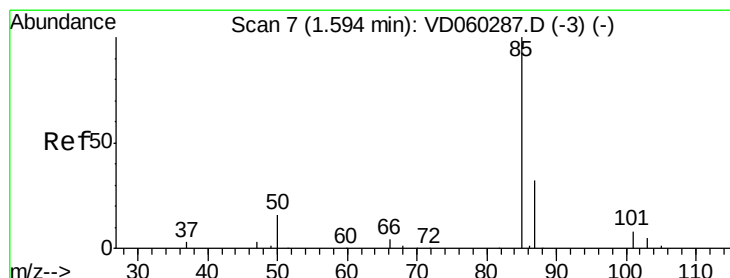
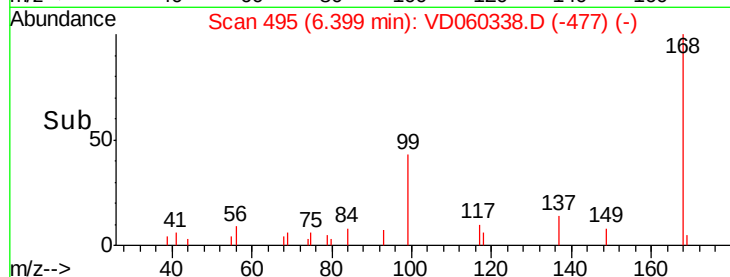
0

6.30

6.40

6.50

Time-->



#2

Dichlorodifluoromethane

Concen: 53.395 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060338.D

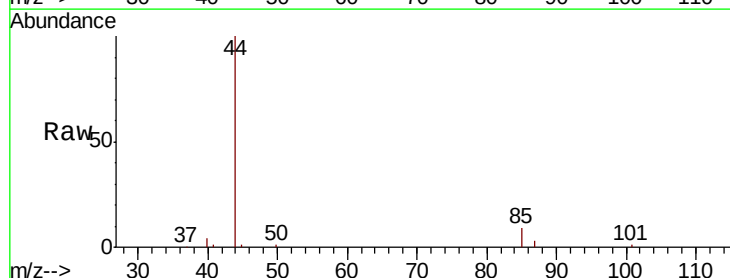
Acq: 12 Nov 2018 15:33

Tgt Ion: 85 Resp: 11744

Ion Ratio Lower Upper

85 100

87 29.9 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

6000

4000

2000

0

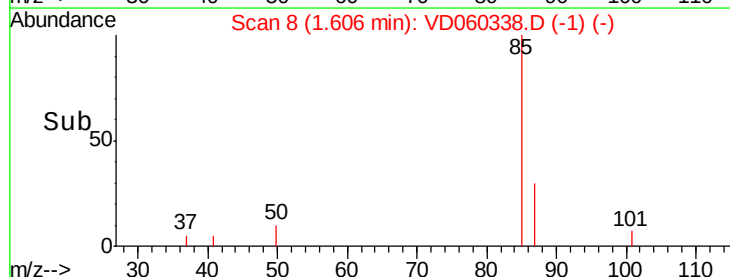
1.55

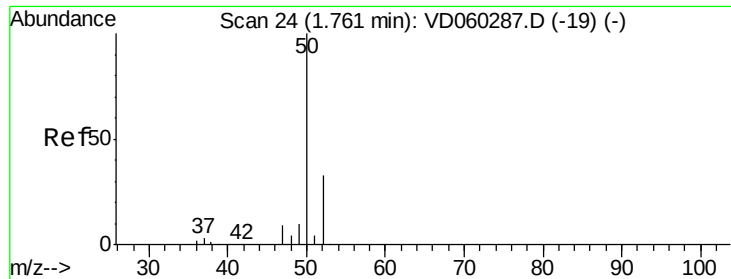
1.60

1.65

1.70

Time-->





#3

Chloromethane

Concen: 66.894 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.00 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

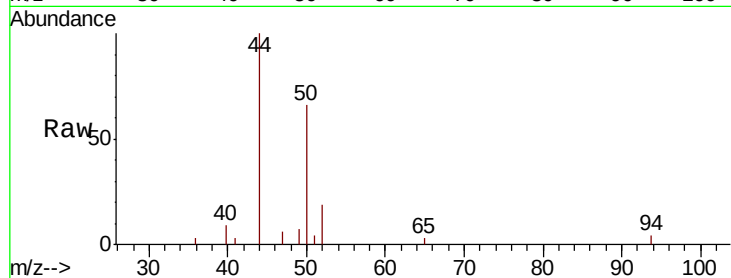
WALL-DMS

Tot Ion: 50 Resp: 17872

Ion Ratio Lower Upper

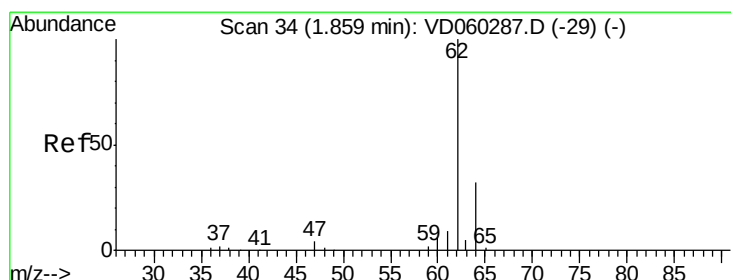
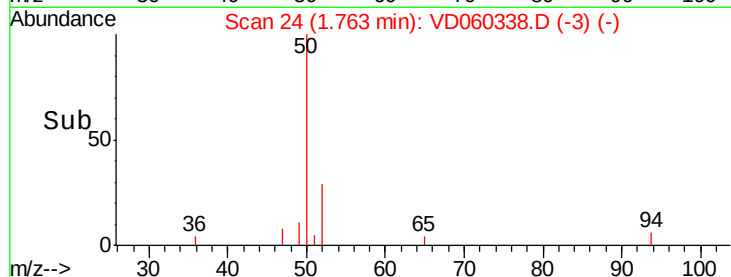
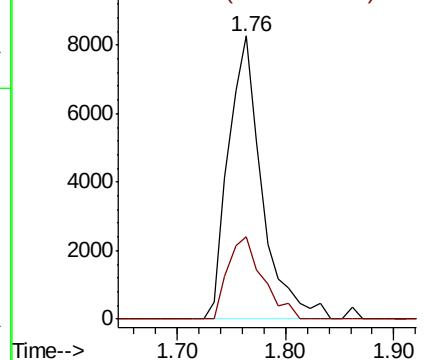
50 100

52 29.1 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: 45.644 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060338.D

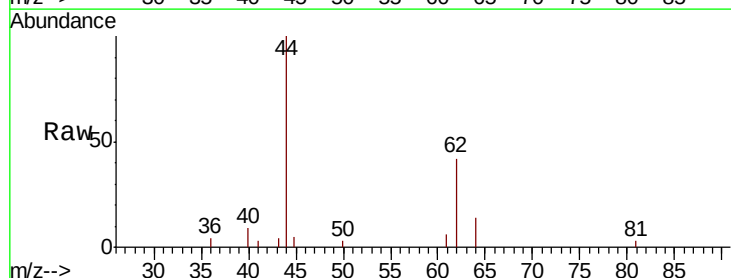
Acq: 12 Nov 2018 15:33

Tgt Ion: 62 Resp: 9959

Ion Ratio Lower Upper

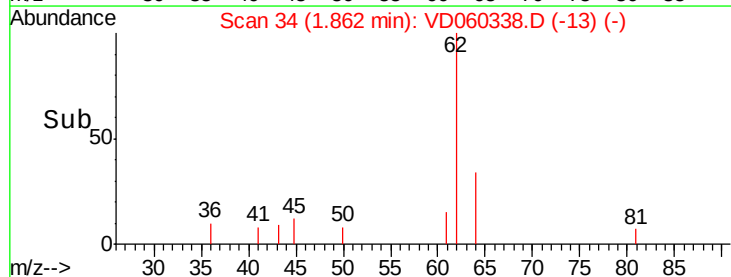
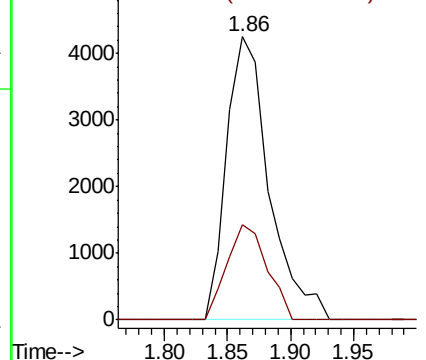
62 100

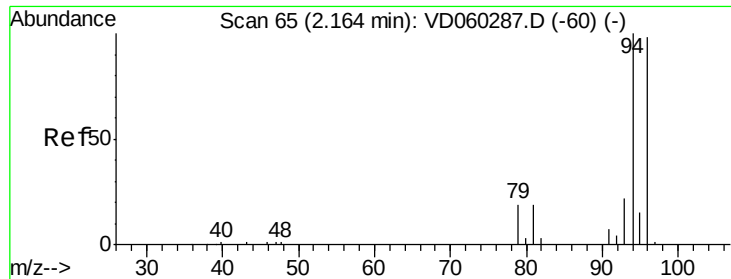
64 33.7 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 175.428 ug/l

RT: 2.17 min Scan# 65

Delta R.T. 0.00 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

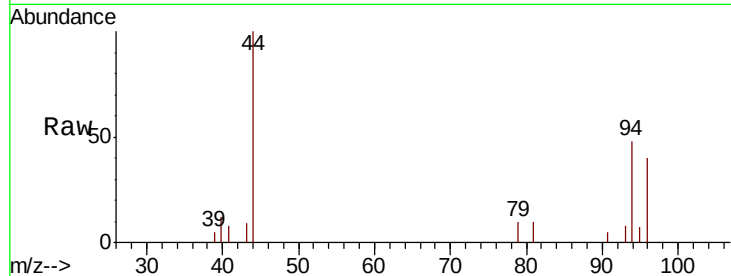
WALL-DMS

Tot Ion: 94 Resp: 9081

Ion Ratio Lower Upper

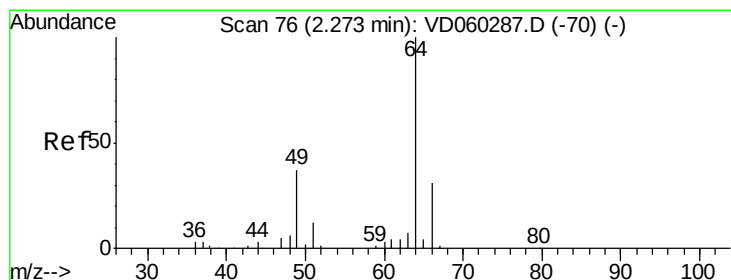
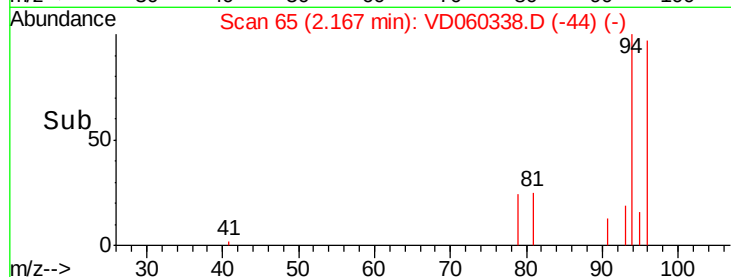
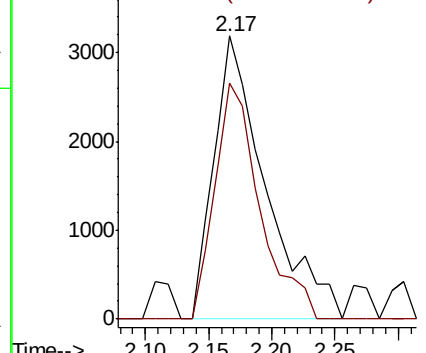
94 100

96 83.4 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 87.547 ug/l

RT: 2.27 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060338.D

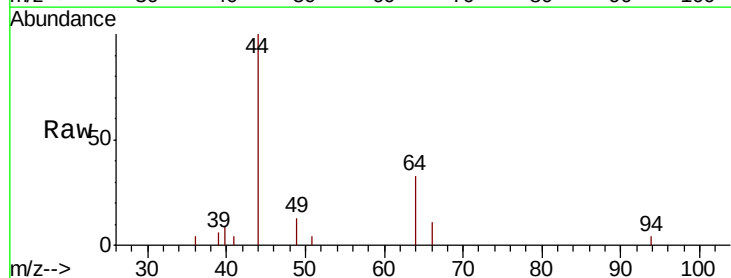
Acq: 12 Nov 2018 15:33

Tgt Ion: 64 Resp: 6338

Ion Ratio Lower Upper

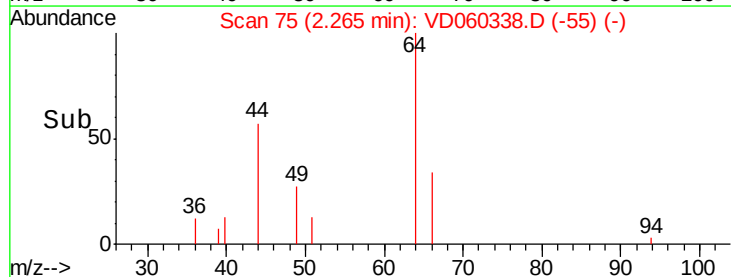
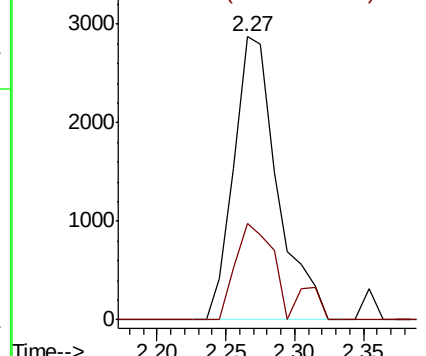
64 100

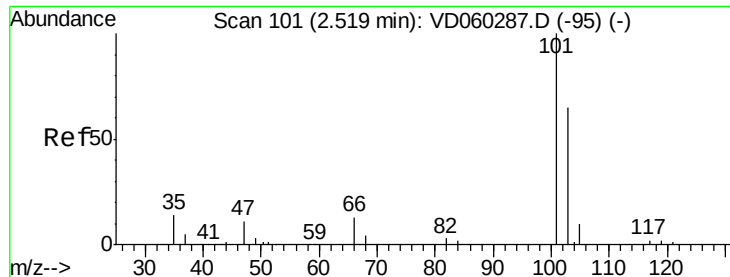
66 34.0 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



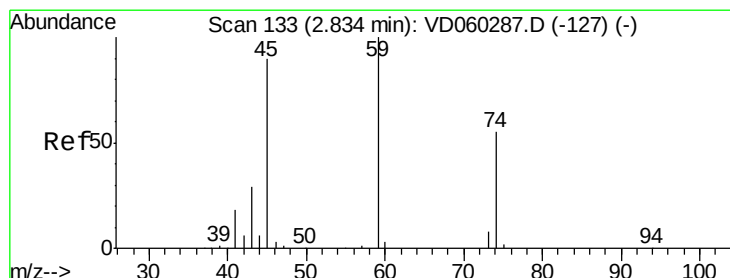
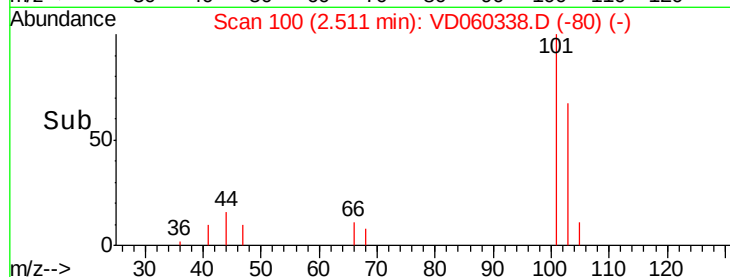
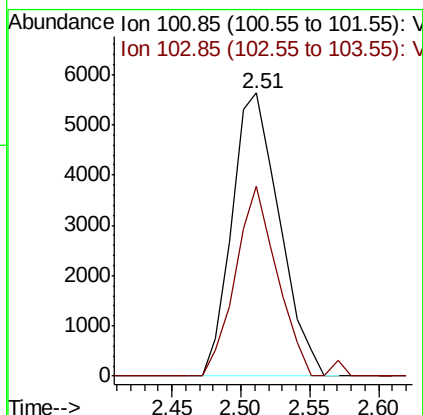
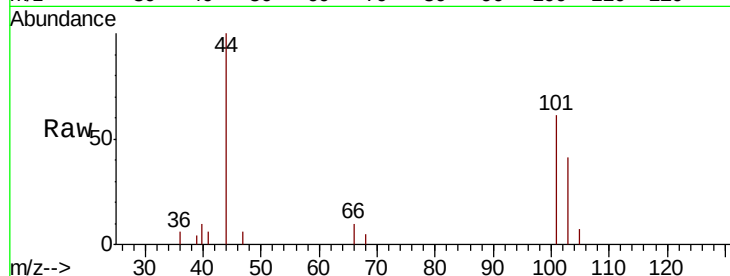


#7

Trichlorofluoromethane
 Concen: 52.508 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: VD060338.D
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Instrument :
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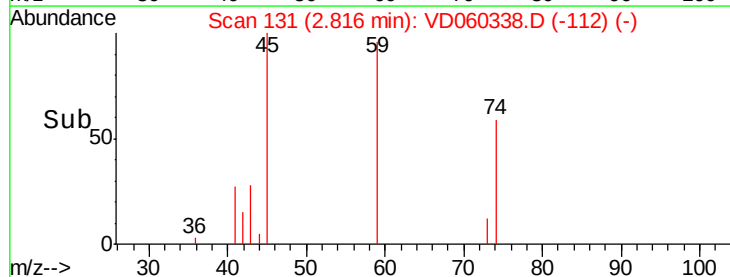
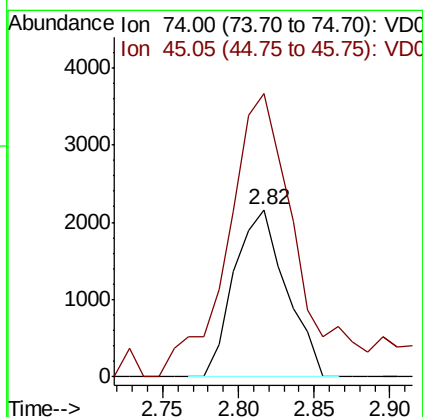
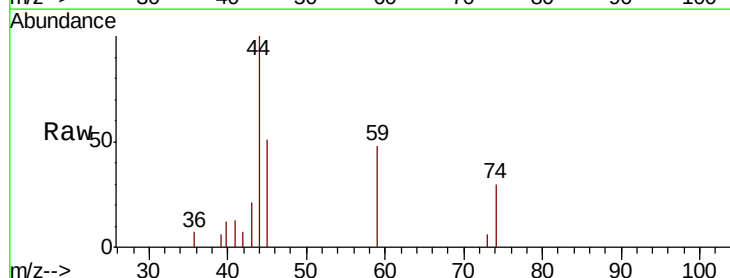
Tot Ion:101 Resp: 13507
 Ion Ratio Lower Upper
 101 100
 103 67.1 53.6 80.4

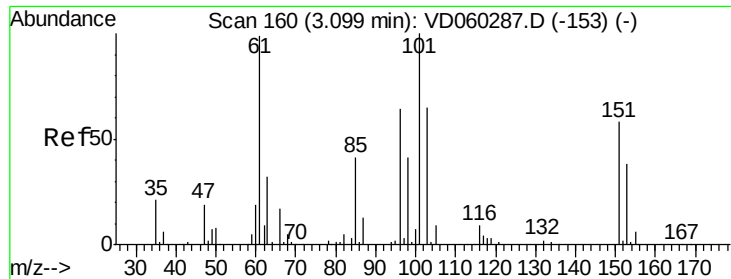


#8

Diethyl Ether
 Concen: 110.772 ug/l
 RT: 2.82 min Scan# 131
 Delta R.T. -0.02 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

Tgt Ion: 74 Resp: 5159
 Ion Ratio Lower Upper
 74 100
 45 169.6 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.629 ug/l

RT: 3.07 min Scan# 157

Delta R.T. -0.03 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMS

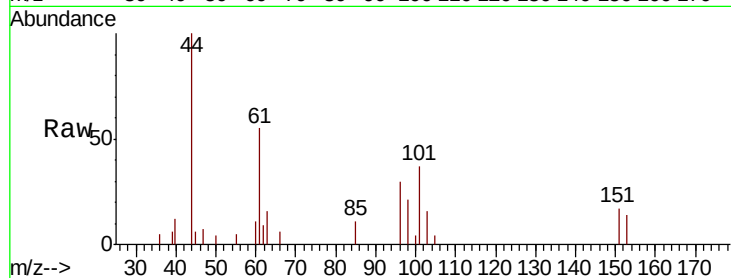
Tot Ion:101 Resp: 7720

Ion Ratio Lower Upper

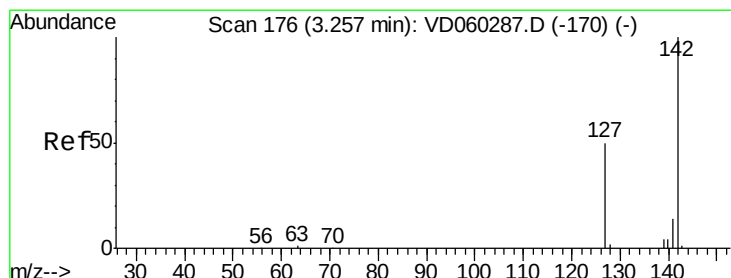
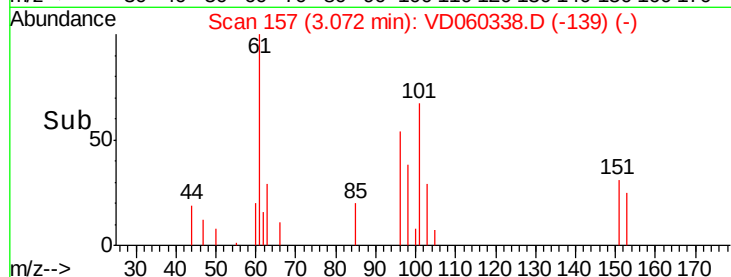
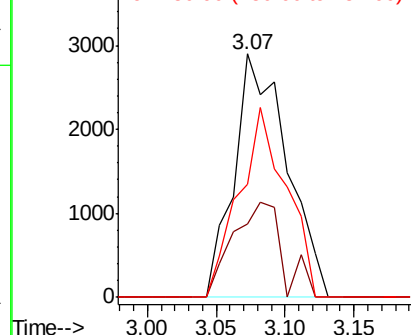
101 100

85 29.9 31.4 47.0#

151 46.7 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: 75.733 ug/l

RT: 3.25 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

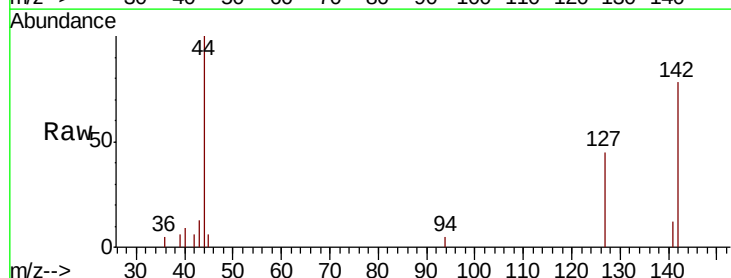
Tgt Ion:142 Resp: 16642

Ion Ratio Lower Upper

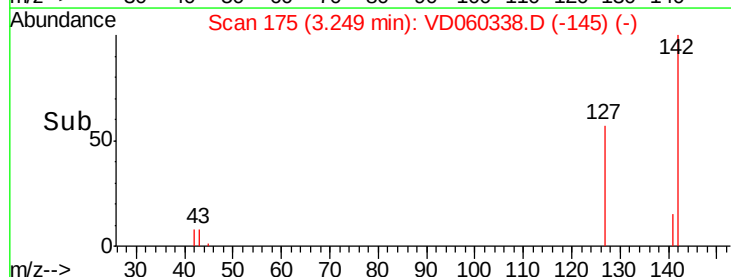
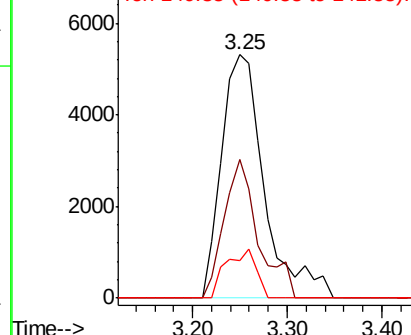
142 100

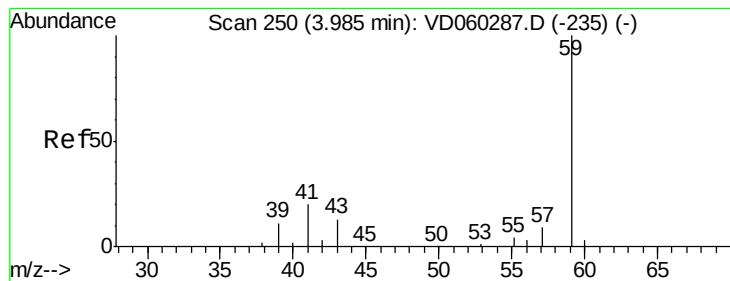
127 57.0 41.0 61.6

141 15.4 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



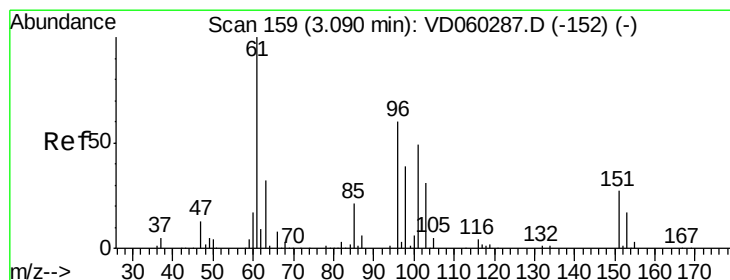
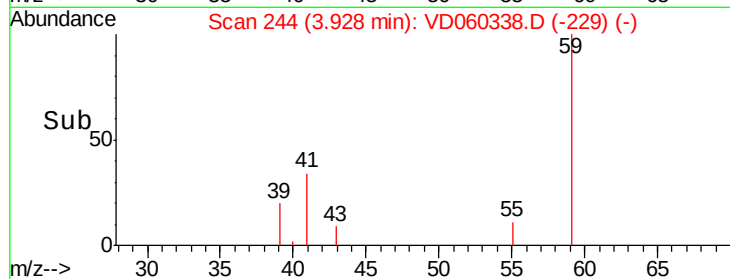
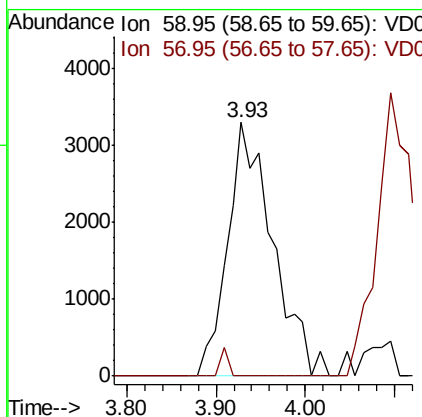
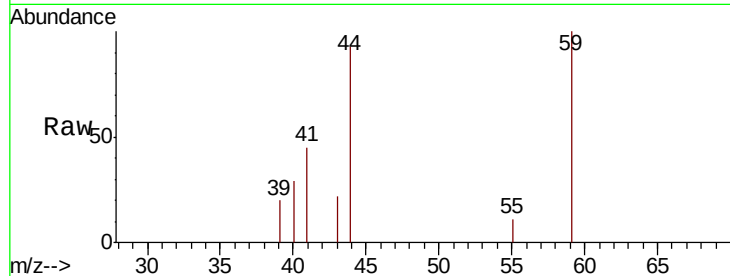


#11

Tert butyl alcohol
Concen: 1396.980 ug/l
RT: 3.93 min Scan# 244
Delta R.T. -0.06 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMS

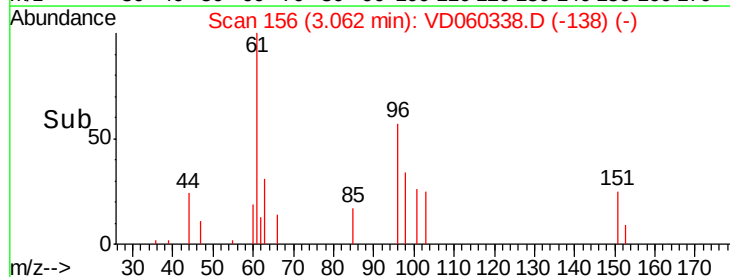
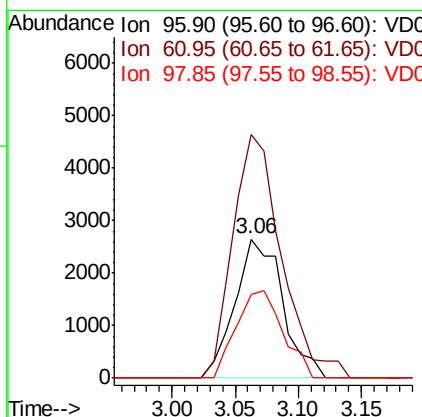
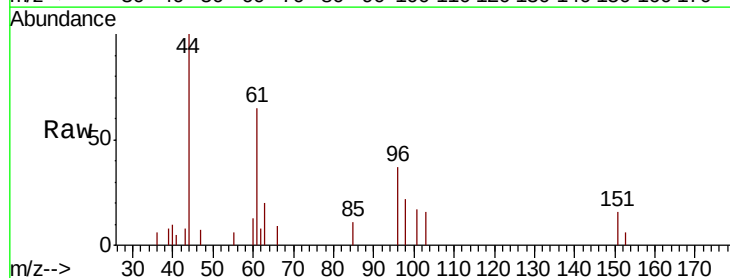
Tot Ion: 59 Resp: 11585
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

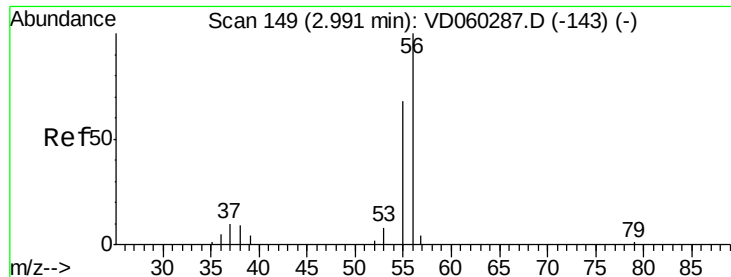


#12

1,1-Dichloroethene
Concen: 50.370 ug/l
RT: 3.06 min Scan# 156
Delta R.T. -0.03 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Tgt Ion: 96 Resp: 6932
Ion Ratio Lower Upper
96 100
61 175.6 142.2 213.4
98 59.9 52.6 79.0





#13

Acrolein

Concen: 1120.732 ug/l

RT: 2.97 min Scan# 147

Delta R.T. -0.02 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

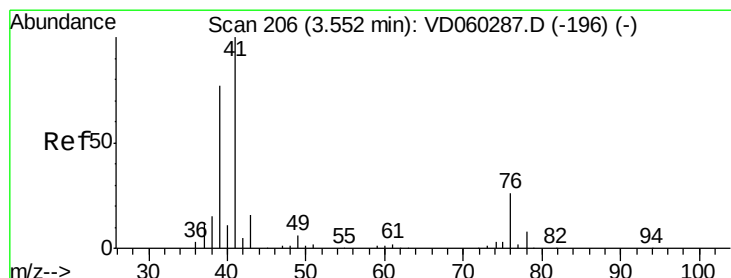
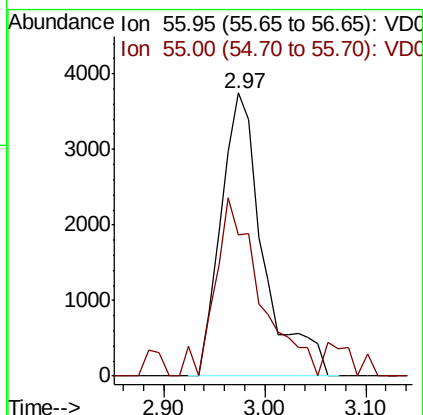
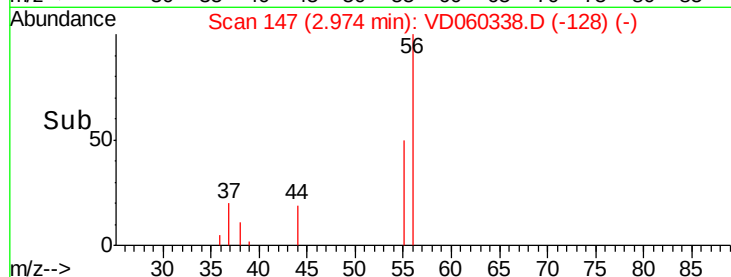
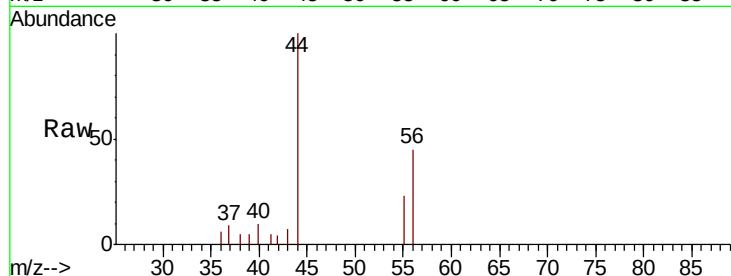
WALL-DMS

Tot Ion: 56 Resp: 10982

Ion Ratio Lower Upper

56 100

55 50.1 57.0 85.6#



#14

Allyl chloride

Concen: 63.127 ug/l

RT: 3.52 min Scan# 203

Delta R.T. -0.03 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

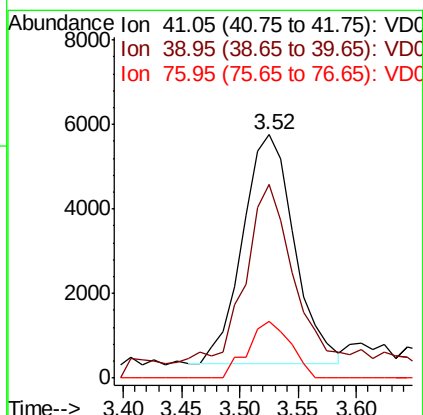
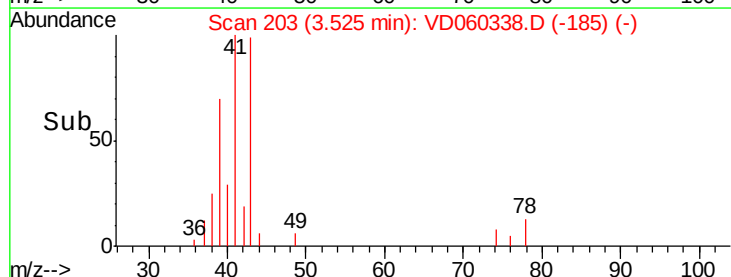
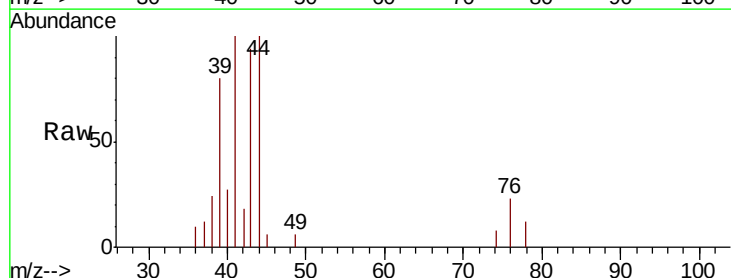
Tgt Ion: 41 Resp: 16623

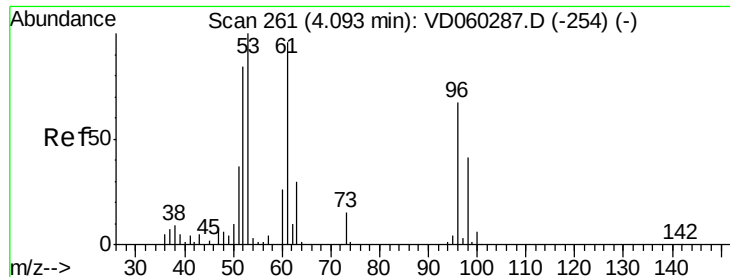
Ion Ratio Lower Upper

41 100

39 79.6 60.4 90.6

76 23.5 21.8 32.8





#15

Acrylonitrile

Concen: 1446.639 ug/l

RT: 4.07 min Scan# 258

Delta R.T. -0.03 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMS

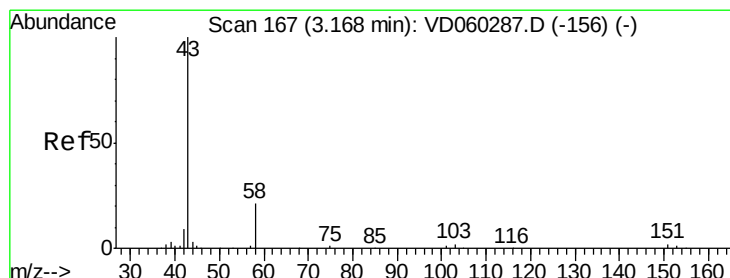
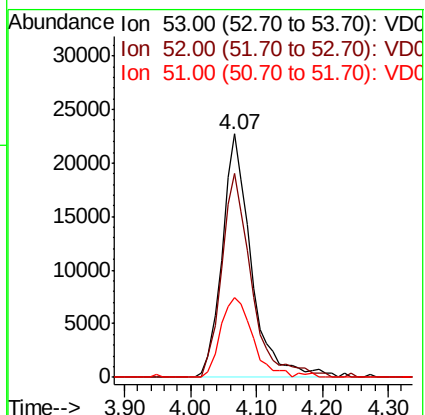
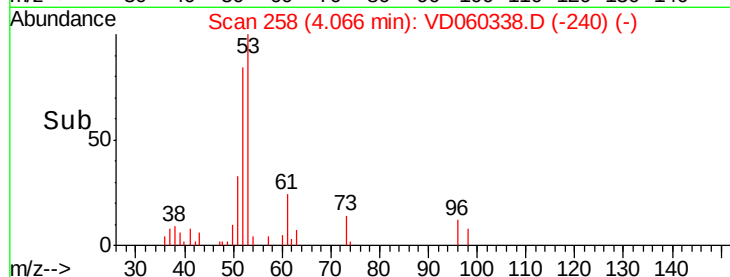
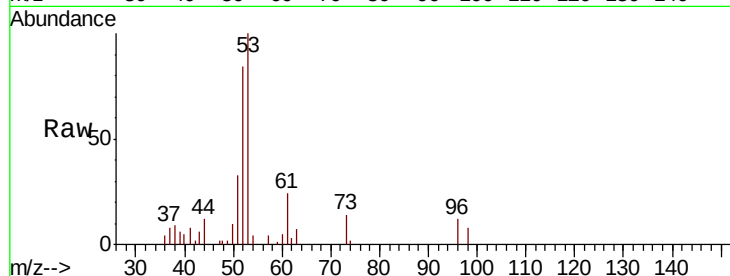
Tot Ion: 53 Resp: 69959

Ion Ratio Lower Upper

53 100

52 83.9 67.0 100.4

51 33.0 29.9 44.9



#16

Acetone

Concen: 1762.763 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.03 min

Lab File: VD060338.D

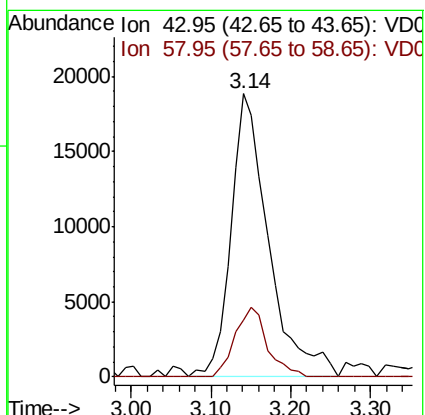
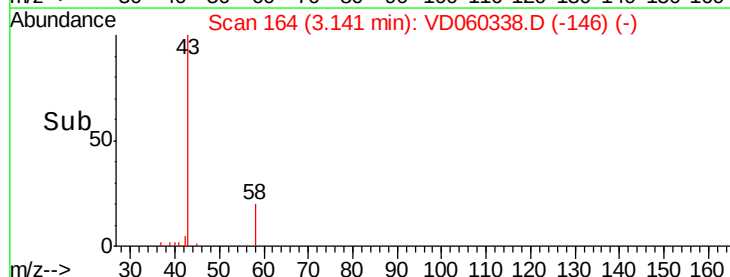
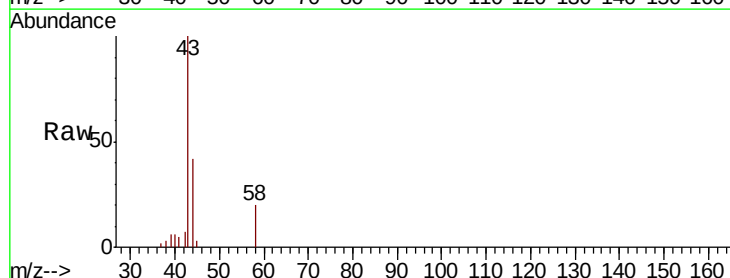
Acq: 12 Nov 2018 15:33

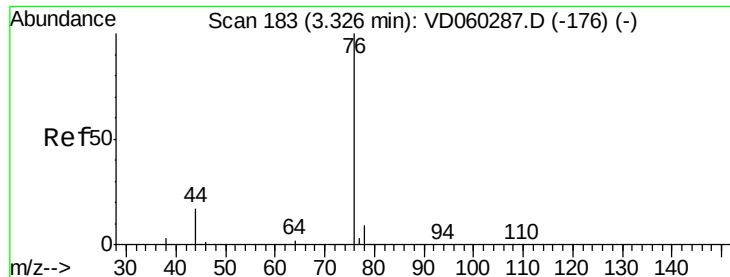
Tgt Ion: 43 Resp: 61751

Ion Ratio Lower Upper

43 100

58 20.0 16.9 25.3

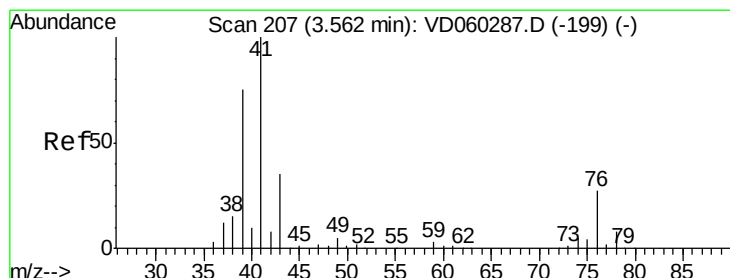
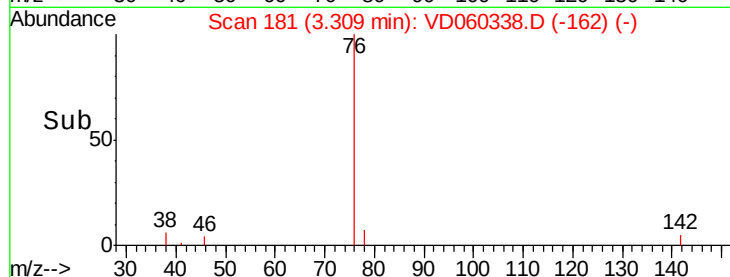
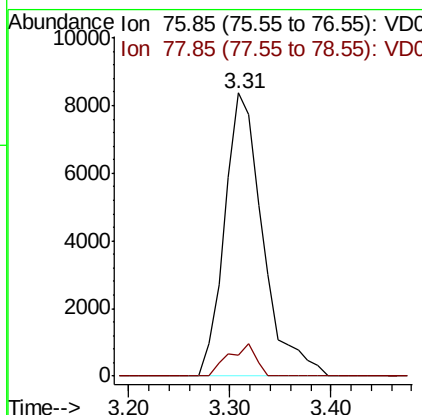
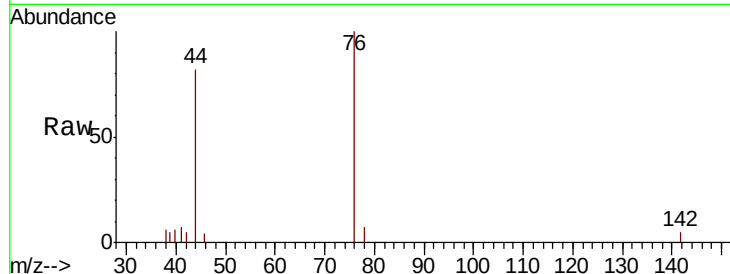




#17
Carbon Disulfide
Concen: 49.447 ug/l
RT: 3.31 min Scan# 181
Delta R.T. -0.02 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

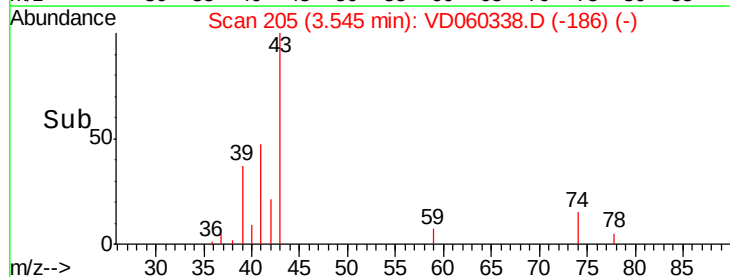
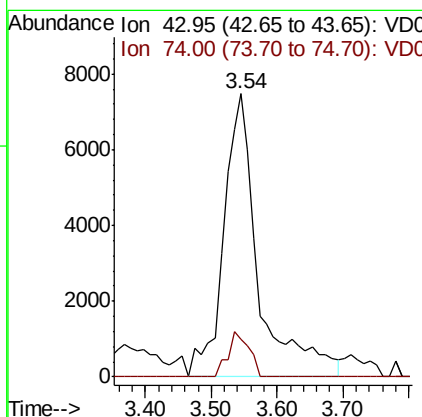
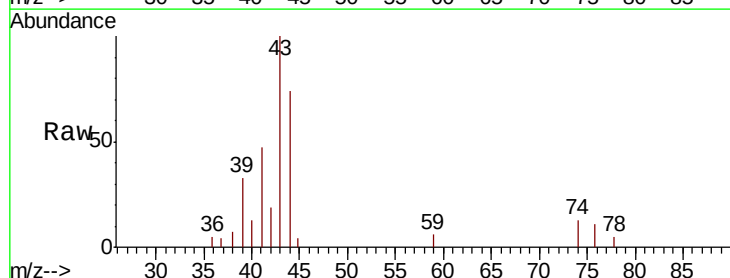
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMS

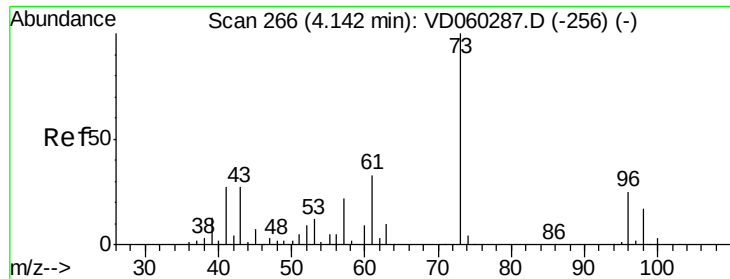
Tot Ion: 76 Resp: 21965
Ion Ratio Lower Upper
76 100
78 7.3 7.0 10.4



#18
Methyl Acetate
Concen: 371.021 ug/l
RT: 3.54 min Scan# 205
Delta R.T. -0.02 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Tgt Ion: 43 Resp: 27713
Ion Ratio Lower Upper
43 100
74 13.2 12.4 18.6

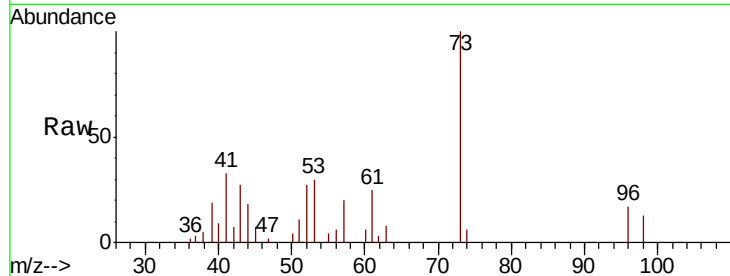




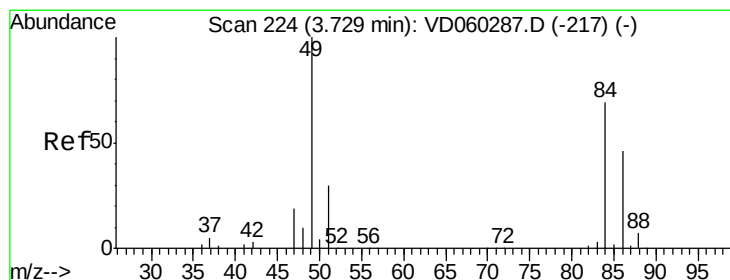
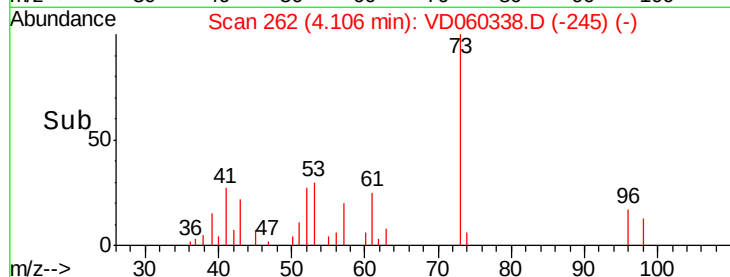
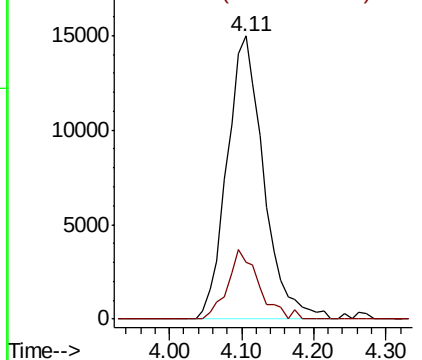
#19
Methyl tert-butyl Ether
Concen: 128.471 ug/l
RT: 4.11 min Scan# 262
Delta R.T. -0.04 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMS

Tot Ion: 73 Resp: 52942
Ion Ratio Lower Upper
73 100
57 20.0 18.1 27.1

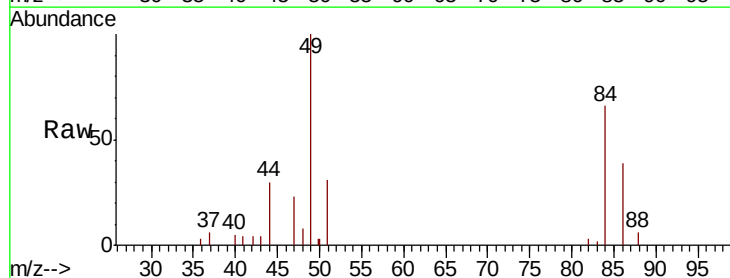


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

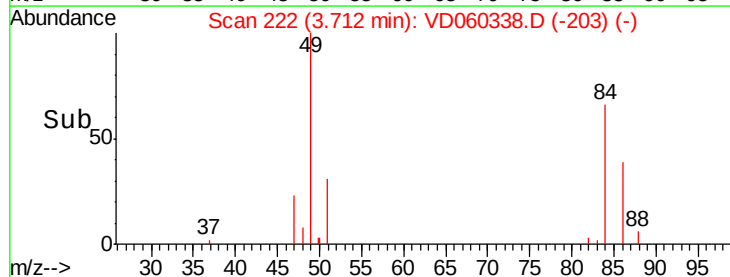
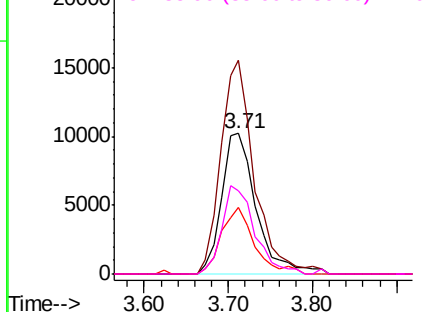


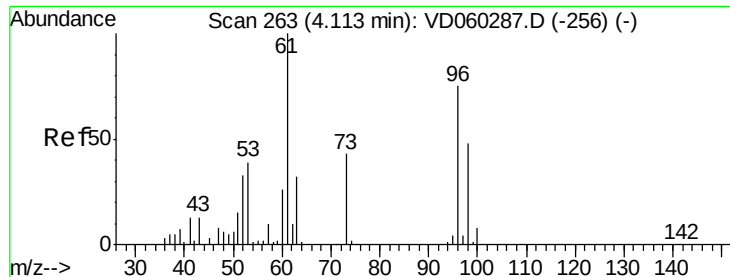
#20
Methylene Chloride
Concen: 93.934 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Tgt Ion: 84 Resp: 29190
Ion Ratio Lower Upper
84 100
49 151.9 115.6 173.4
51 47.4 35.6 53.4
86 59.5 52.3 78.5



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 52.148 ug/l

RT: 4.08 min Scan# 259

Delta R.T. -0.04 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMS

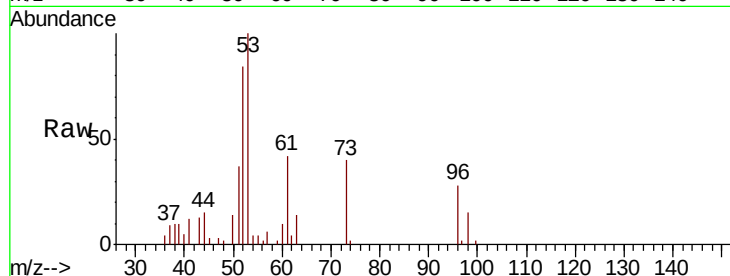
Tot Ion: 96 Resp: 15935

Ion Ratio Lower Upper

96 100

61 146.5 105.8 158.6

98 54.2 50.8 76.2

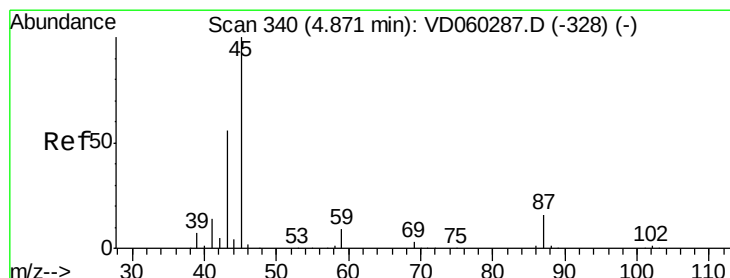
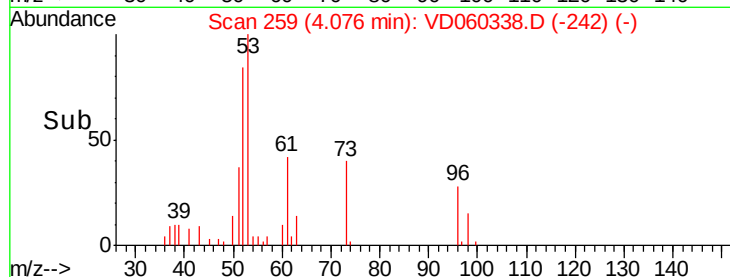
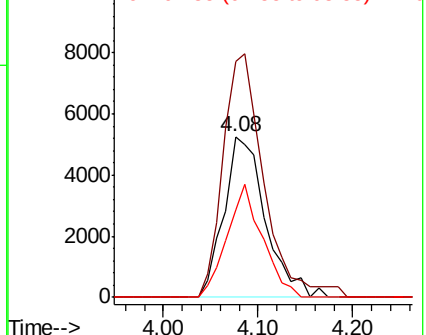


Abundance

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: 90.654 ug/l

RT: 4.83 min Scan# 336

Delta R.T. -0.04 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Tgt Ion: 45 Resp: 89185

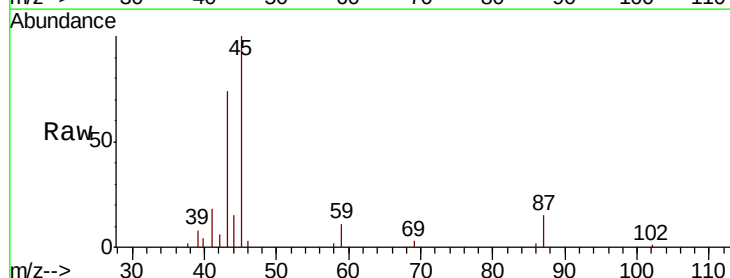
Ion Ratio Lower Upper

45 100

43 74.3 44.9 67.3#

87 15.3 13.9 20.9

59 11.1 7.0 10.6#



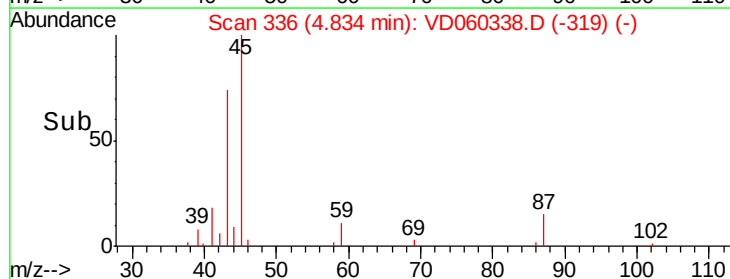
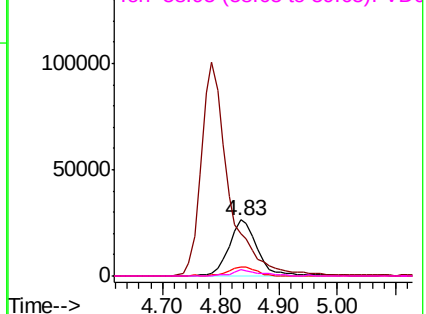
Abundance

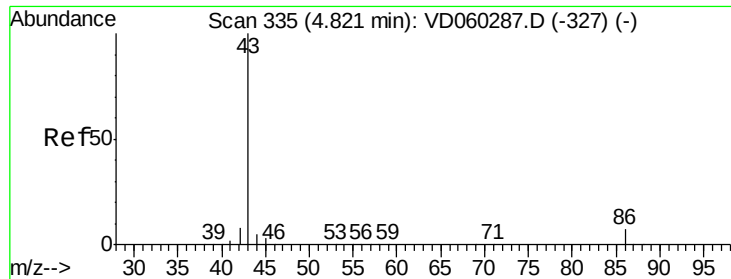
Ion 45.05 (44.75 to 45.75): VDC

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

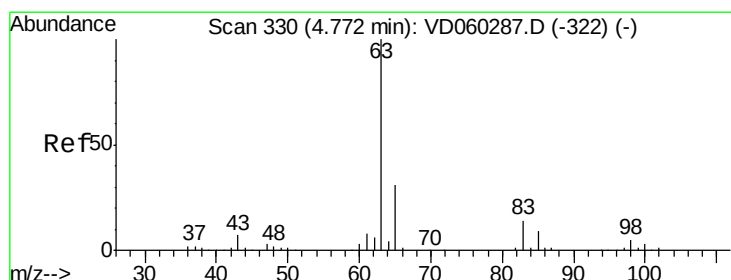
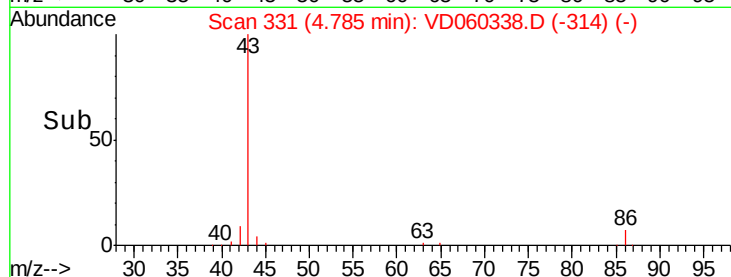
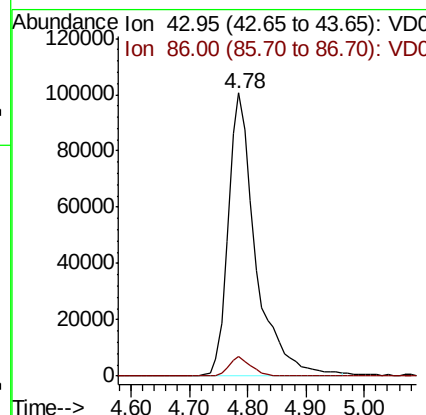
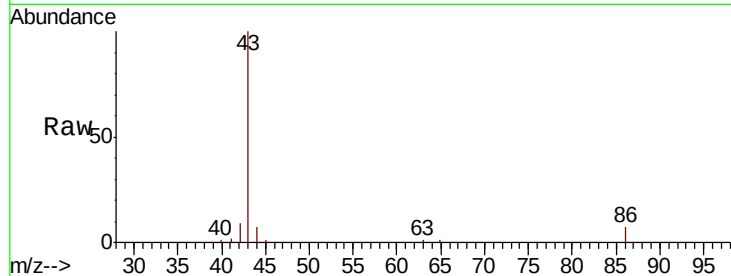




#23
 Vinyl Acetate
 Concen: 673.086 ug/l
 RT: 4.78 min Scan# 331
 Delta R.T. -0.04 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

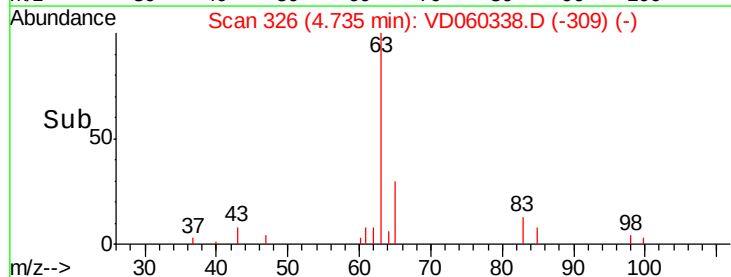
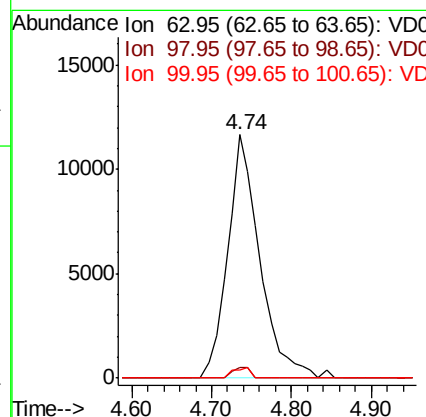
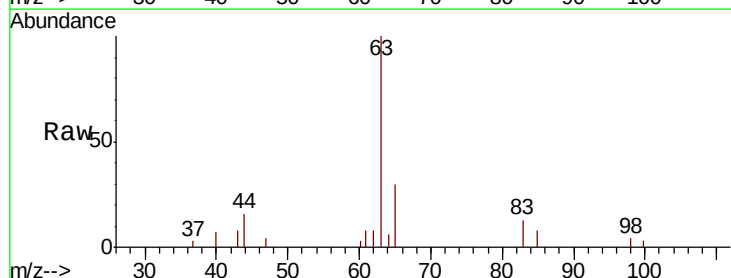
Instrument :
 MSVOA_D
 ClientSampleID :
 WALL-DMS

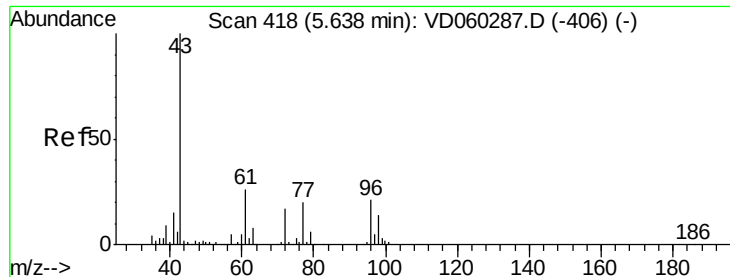
Tot Ion: 43 Resp: 329489
 Ion Ratio Lower Upper
 43 100
 86 6.9 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 65.234 ug/l
 RT: 4.74 min Scan# 326
 Delta R.T. -0.04 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

Tgt Ion: 63 Resp: 32910
 Ion Ratio Lower Upper
 63 100
 98 4.2 2.8 8.4
 100 3.1 1.8 5.5





#25

2-Butanone

Concen: 1475.918 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.04 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

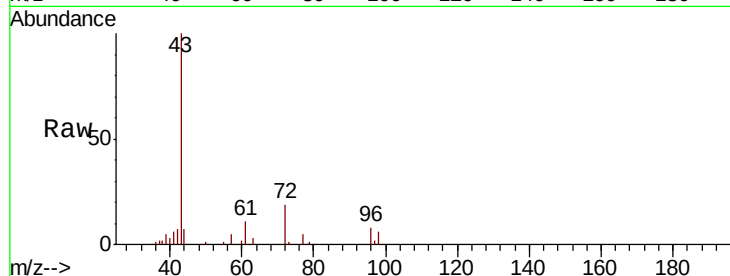
WALL-DMS

Tot Ion: 43 Resp: 107467

Ion Ratio Lower Upper

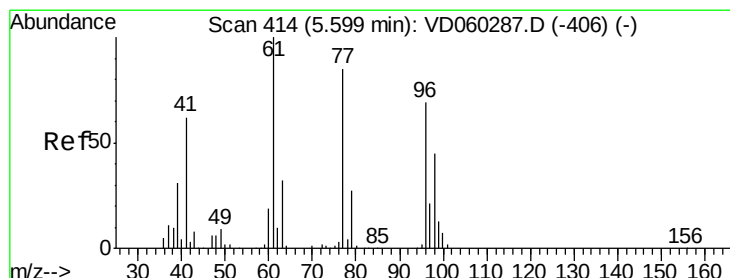
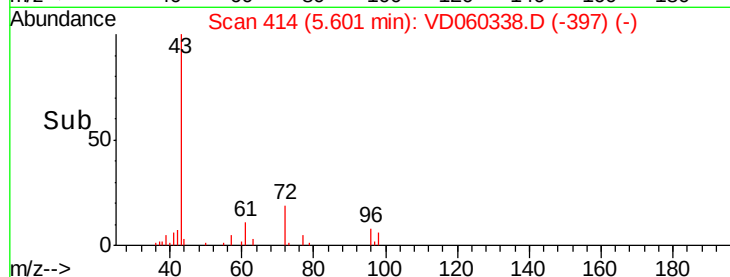
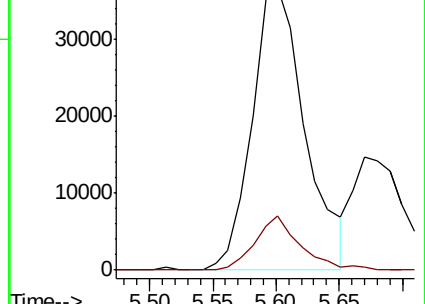
43 100

72 19.1 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: 51.767 ug/l

RT: 5.57 min Scan# 411

Delta R.T. -0.03 min

Lab File: VD060338.D

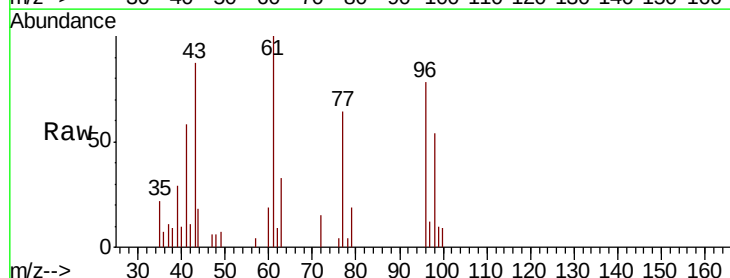
Acq: 12 Nov 2018 15:33

Tgt Ion: 77 Resp: 20304

Ion Ratio Lower Upper

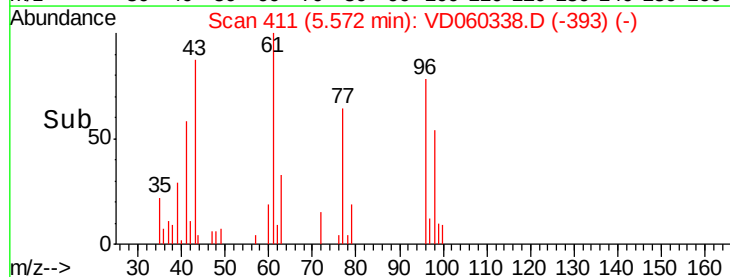
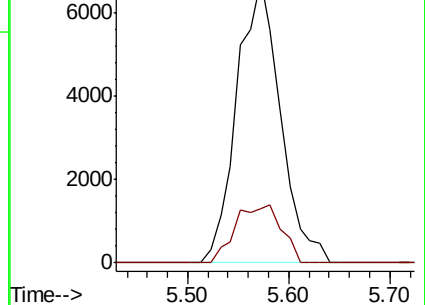
77 100

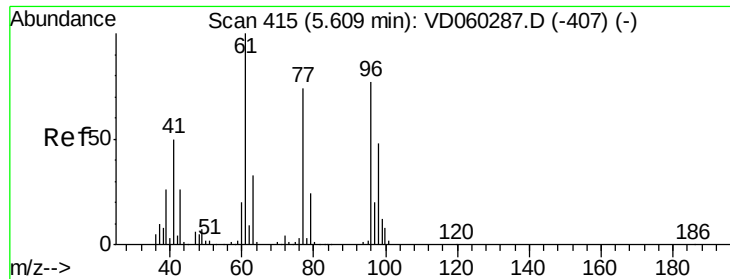
97 19.2 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



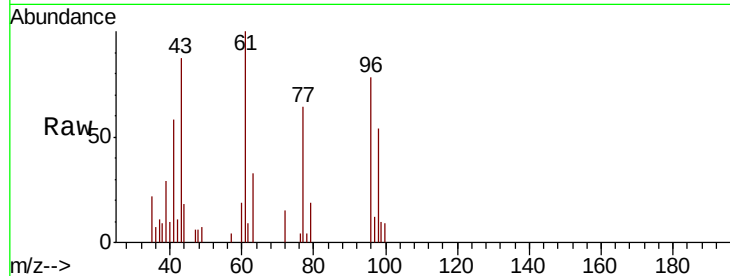


#27

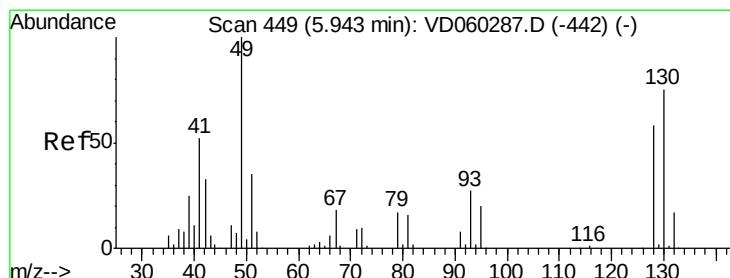
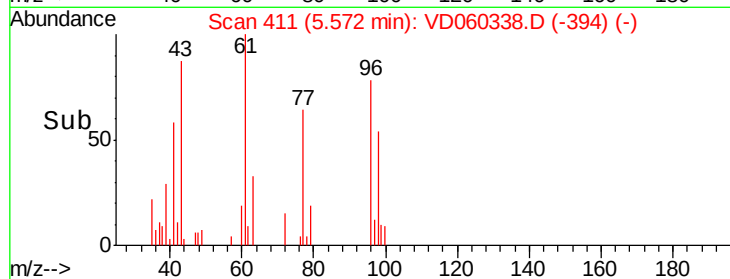
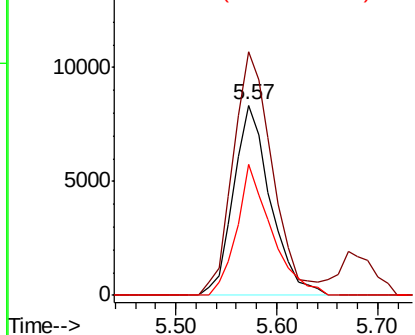
cis-1,2-Dichloroethene
 Concen: 66.719 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. -0.04 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMS

Tot Ion: 96 Resp: 21239
 Ion Ratio Lower Upper
 96 100
 61 127.8 0.0 259.0
 98 68.8 0.0 128.8



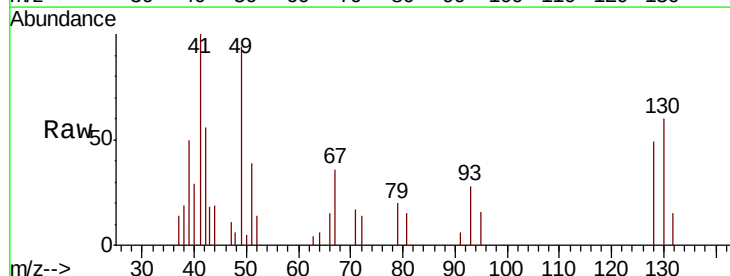
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



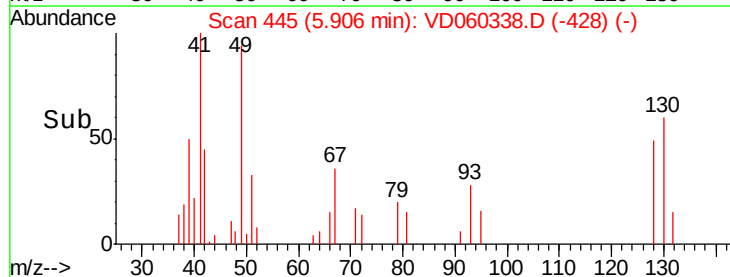
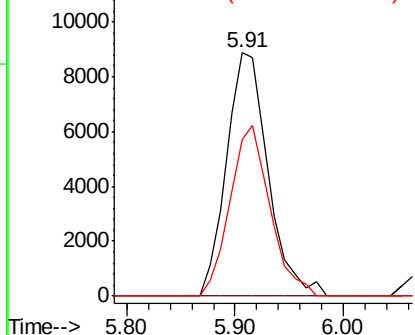
#28

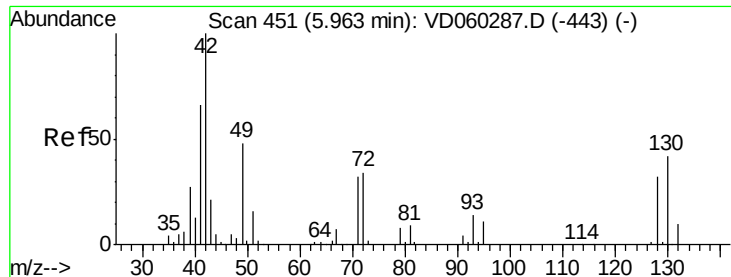
Bromochloromethane
 Concen: 106.121 ug/l
 RT: 5.91 min Scan# 445
 Delta R.T. -0.04 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

Tgt Ion: 49 Resp: 23622
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 2.8
 130 64.2 53.6 80.4



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

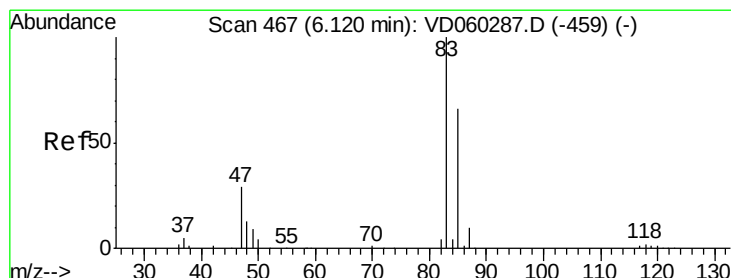
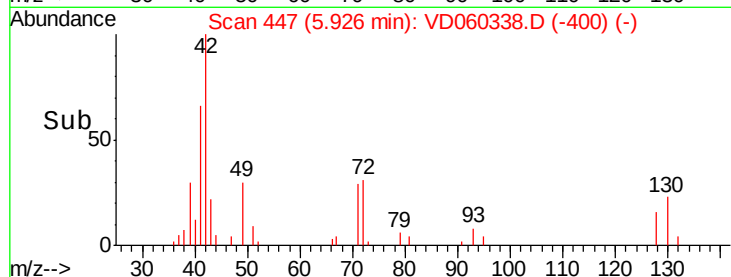
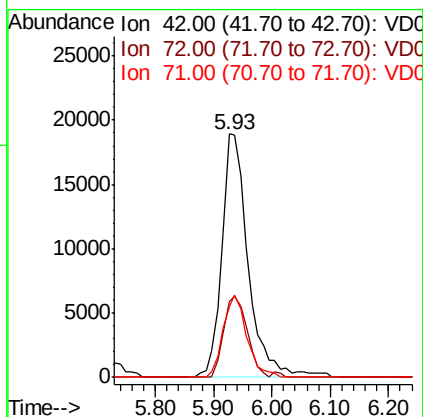
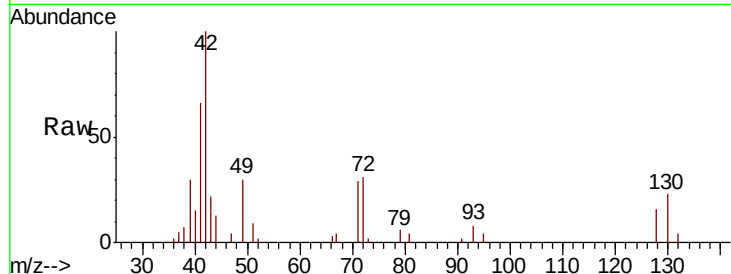




#29
Tetrahydrofuran
Concen: 1552.408 ug/l
RT: 5.93 min Scan# 447
Delta R.T. -0.04 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

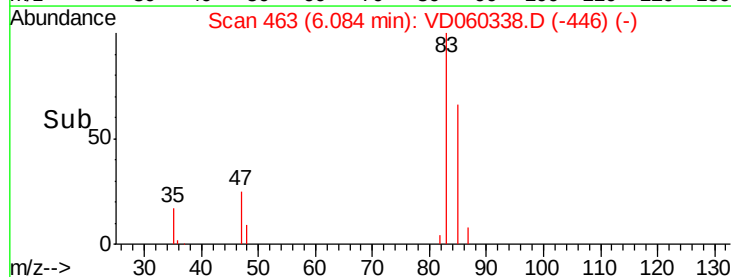
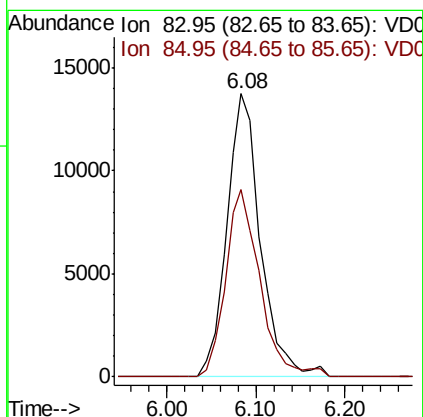
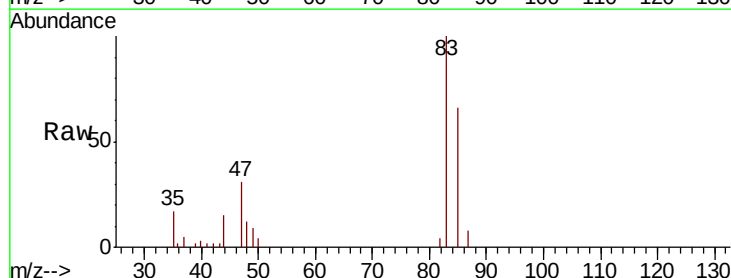
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMS

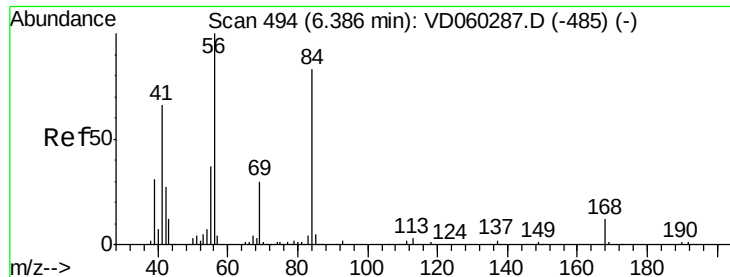
Tot Ion: 42 Resp: 59596
Ion Ratio Lower Upper
42 100
72 29.5 27.6 41.4
71 30.1 26.5 39.7



#30
Chloroform
Concen: 71.757 ug/l
RT: 6.08 min Scan# 463
Delta R.T. -0.04 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Tgt Ion: 83 Resp: 36190
Ion Ratio Lower Upper
83 100
85 66.1 52.5 78.7

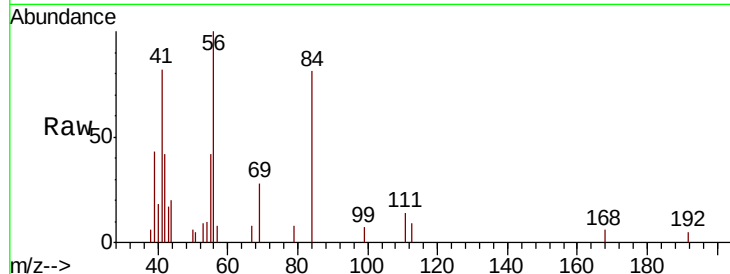




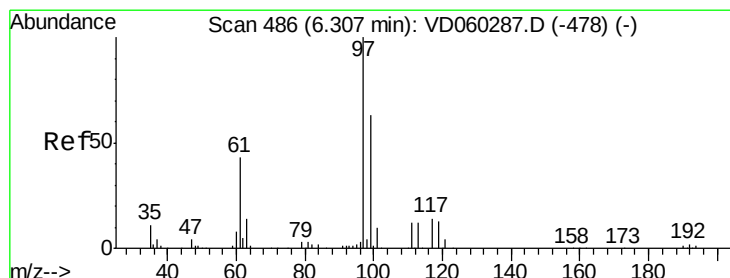
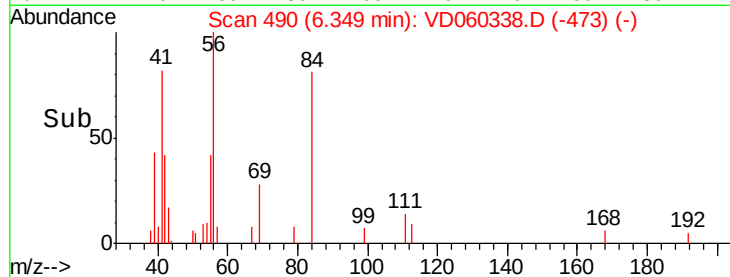
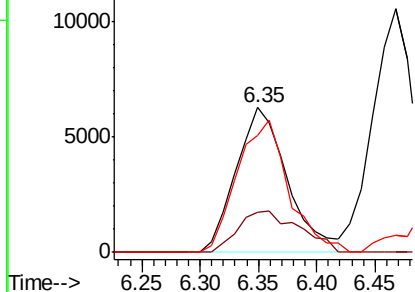
#31
Cyclohexane
Concen: 39.970 ug/l
RT: 6.35 min Scan# 490
Delta R.T. -0.04 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMS

Tot Ion: 56 Resp: 19273
Ion Ratio Lower Upper
56 100
69 27.7 22.2 33.2
84 81.2 63.0 94.4

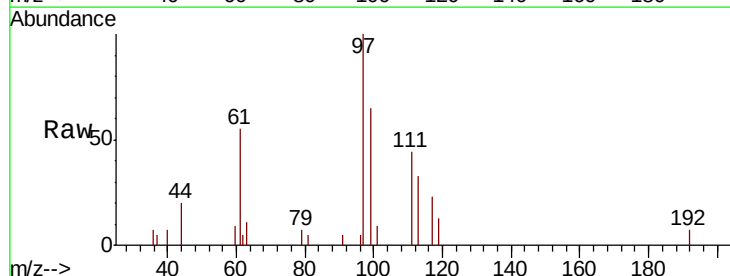


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

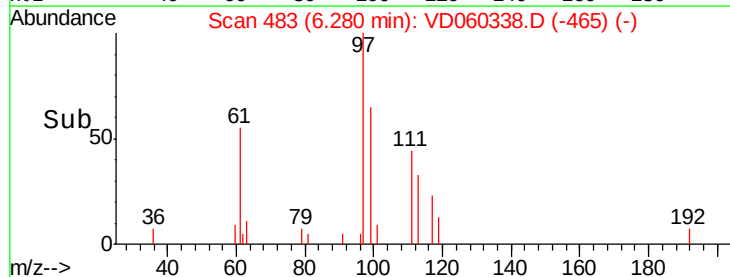
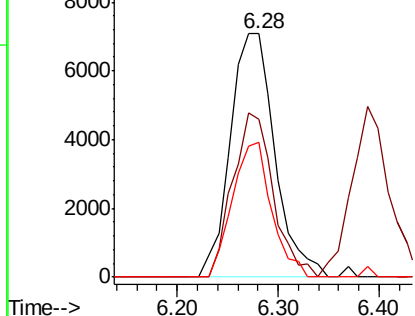


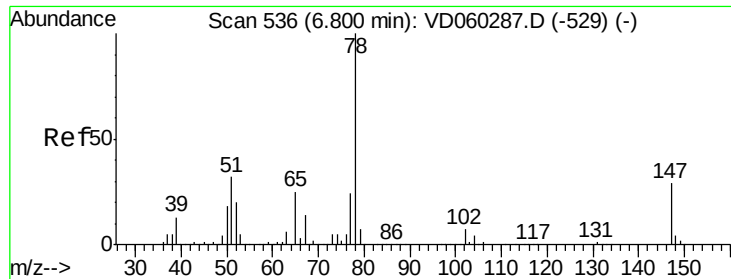
#32
1,1,1-Trichloroethane
Concen: 51.226 ug/l
RT: 6.28 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Tgt Ion: 97 Resp: 21762
Ion Ratio Lower Upper
97 100
99 64.9 51.5 77.3
61 55.3 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

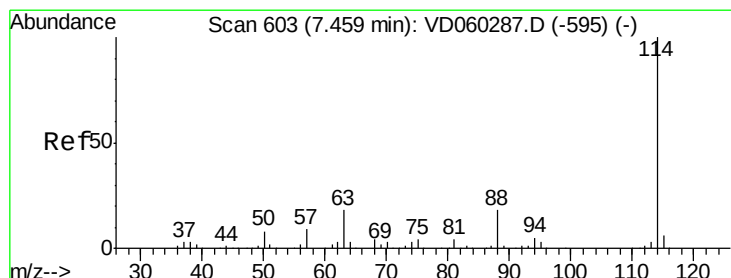
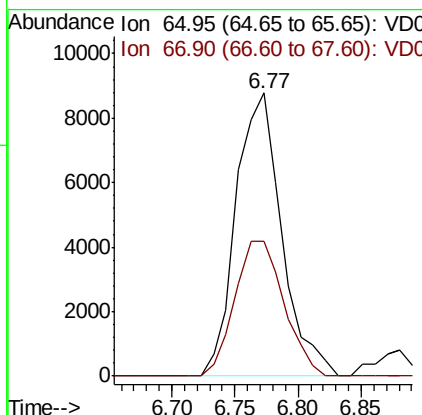
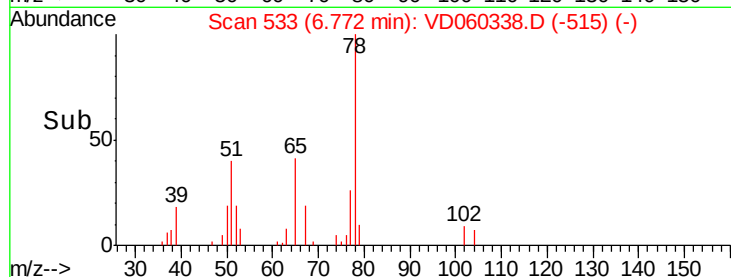
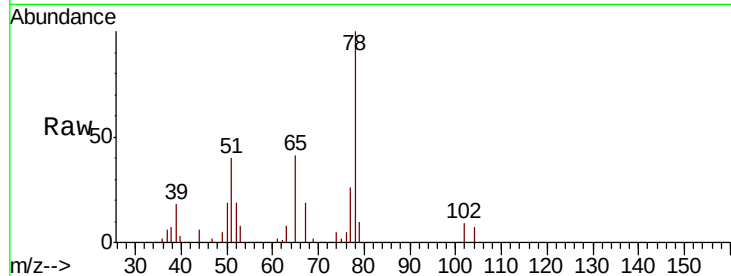




#33
 1,2-Dichloroethane-d4
 Concen: 51.226 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. -0.03 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

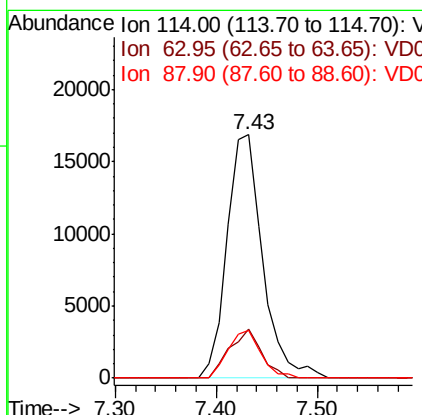
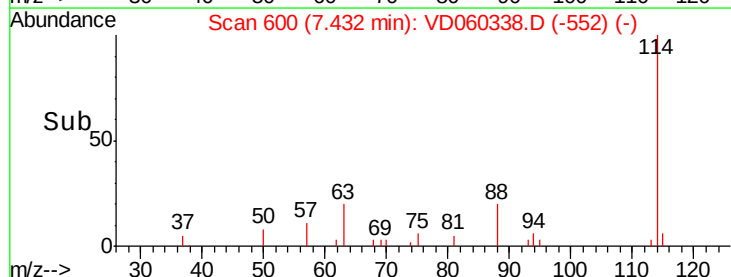
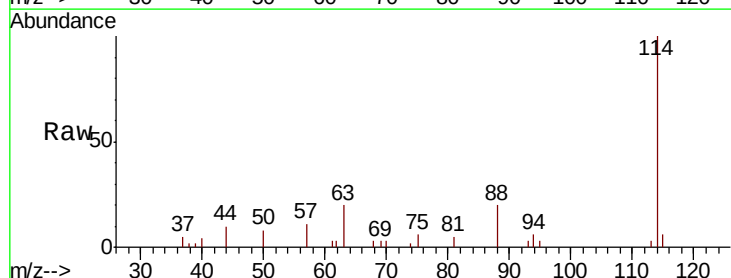
Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMS

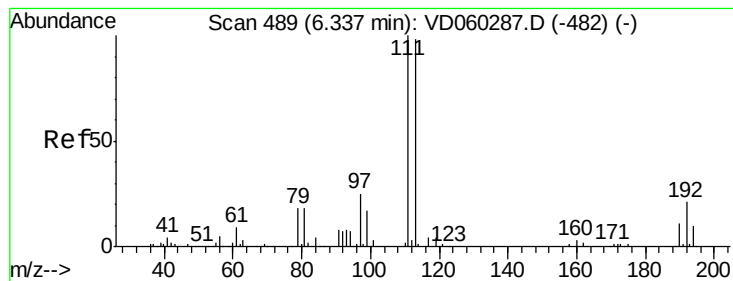
Tot Ion: 65 Resp: 22042
 Ion Ratio Lower Upper
 65 100
 67 47.9 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

Tgt Ion: 114 Resp: 41272
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 34.0
 88 19.8 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.04 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMS

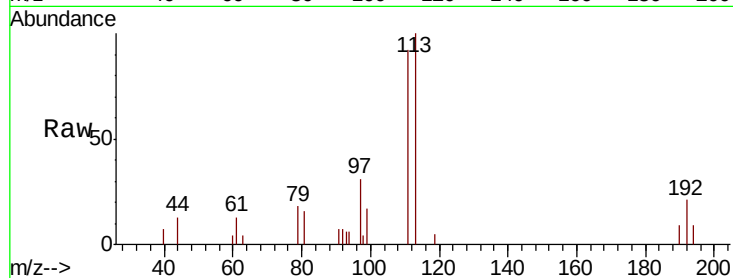
Tot Ion:113 Resp: 22699

Ion Ratio Lower Upper

113 100

111 91.8 81.6 122.4

192 21.4 16.5 24.7

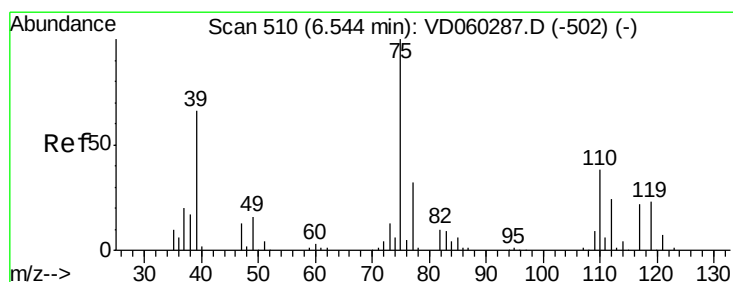
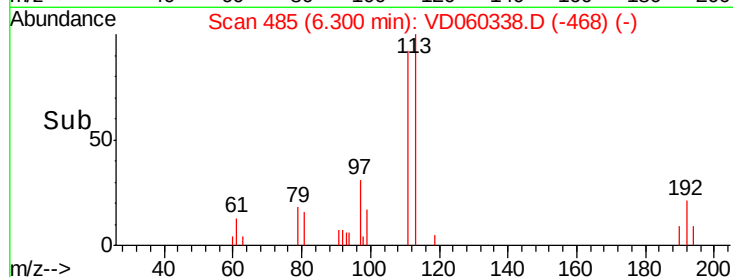
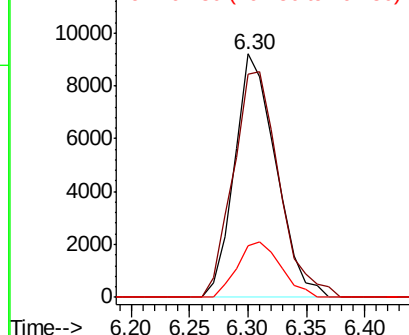


Abundance

Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 47.404 ug/l

RT: 6.51 min Scan# 506

Delta R.T. -0.04 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

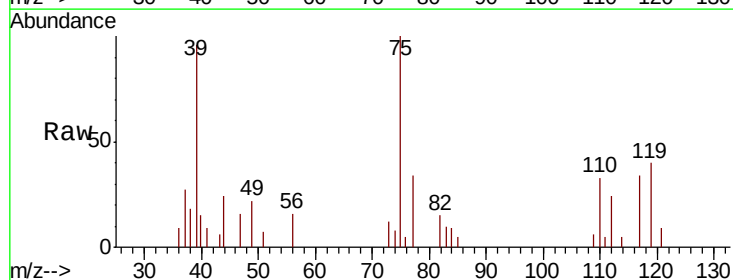
Tgt Ion: 75 Resp: 19329

Ion Ratio Lower Upper

75 100

110 32.6 18.0 54.0

77 33.8 25.6 38.4

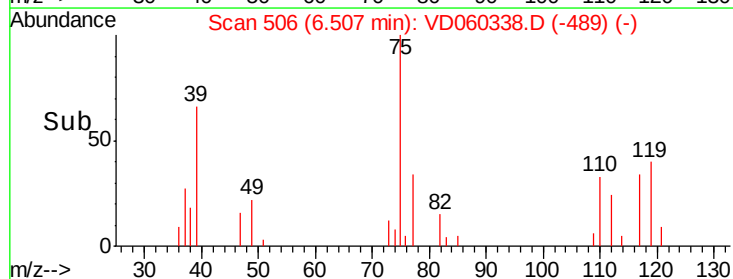
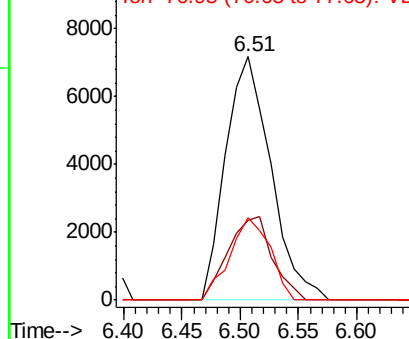


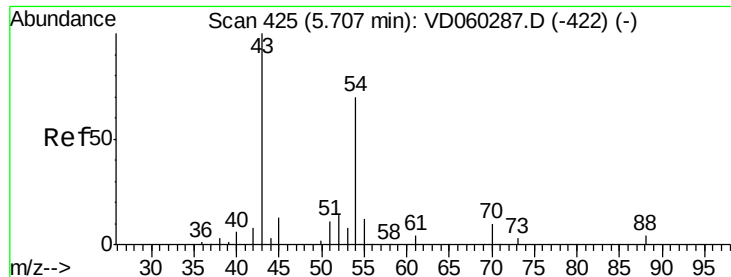
Abundance

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

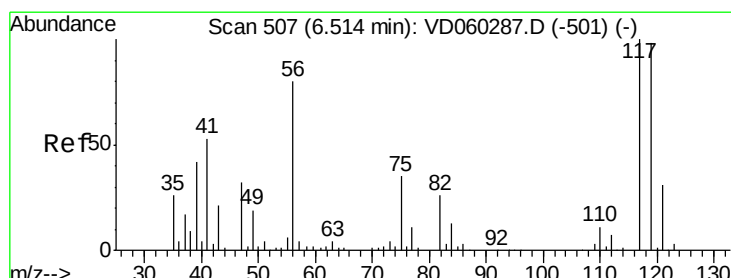
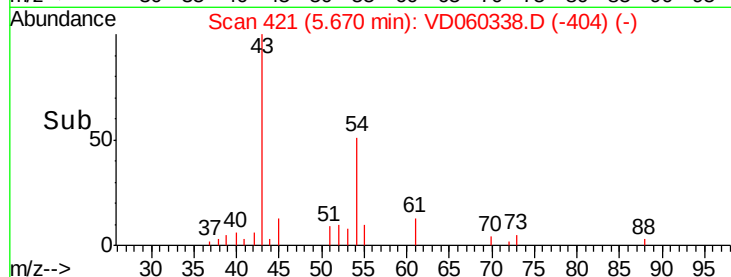
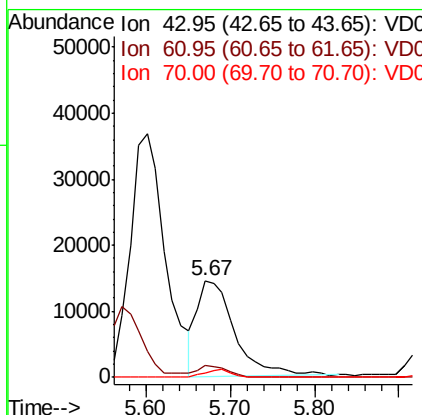
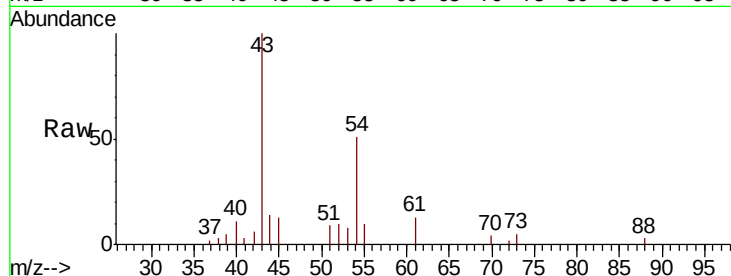




#37
Ethyl Acetate
Concen: 237.041 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.04 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

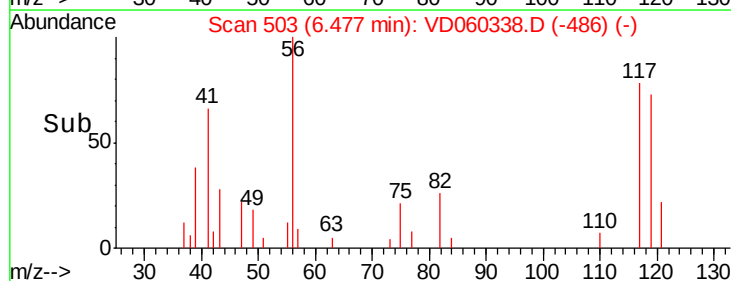
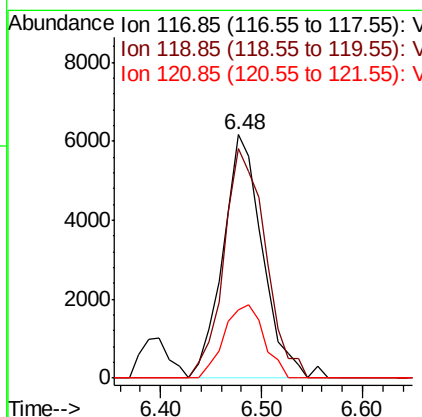
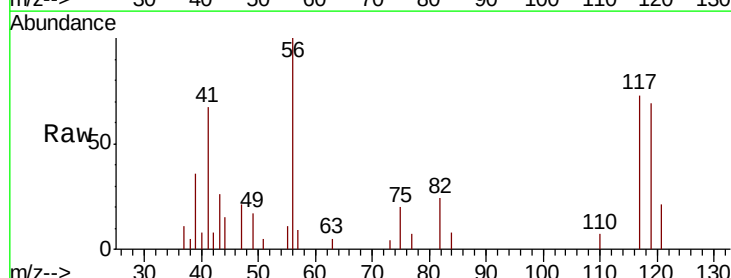
Instrument :
MSVOA_D
ClientSampleID :
WALL-DMS

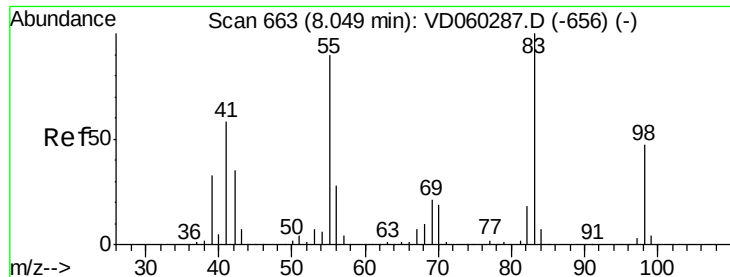
Tot Ion: 43 Resp: 44476
Ion Ratio Lower Upper
43 100
61 13.0 11.8 17.6
70 3.9 6.2 9.4#



#38
Carbon Tetrachloride
Concen: 44.408 ug/l
RT: 6.48 min Scan# 503
Delta R.T. -0.04 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Tgt Ion: 117 Resp: 16797
Ion Ratio Lower Upper
117 100
119 94.1 76.6 115.0
121 28.1 24.3 36.5

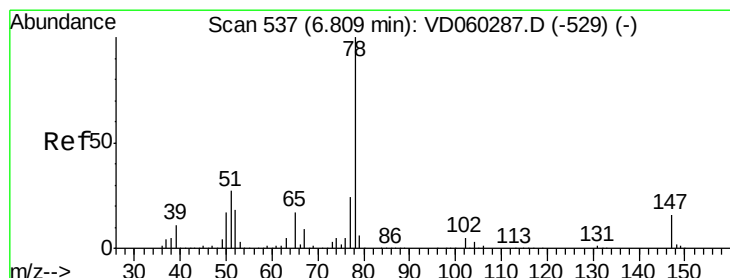
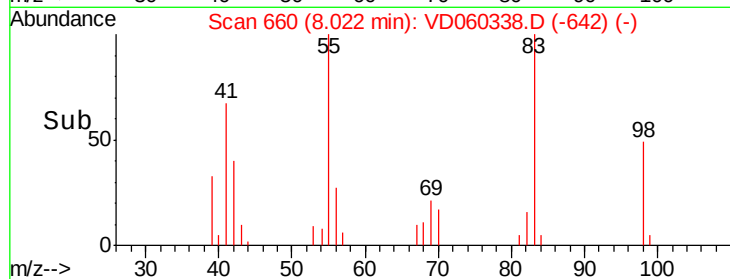
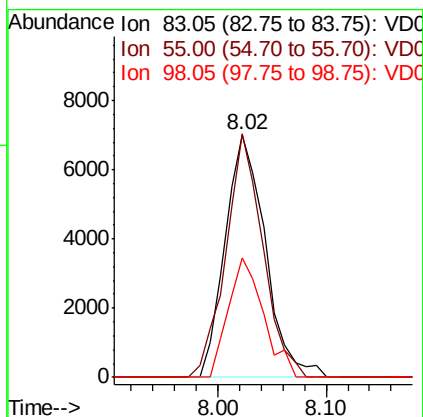
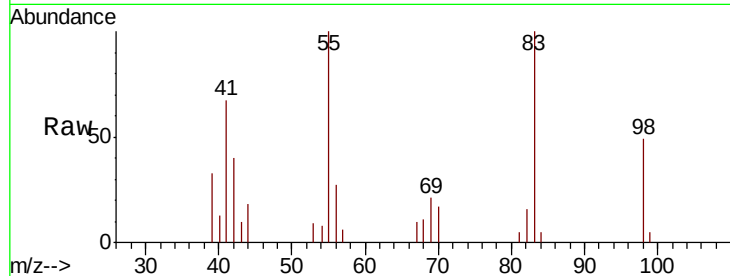




#39
Methylvlcyclohexane
Concen: 38.590 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.03 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

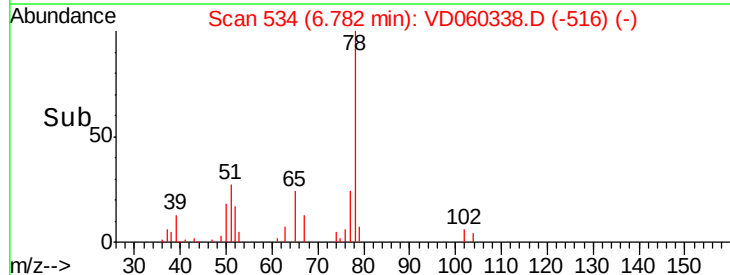
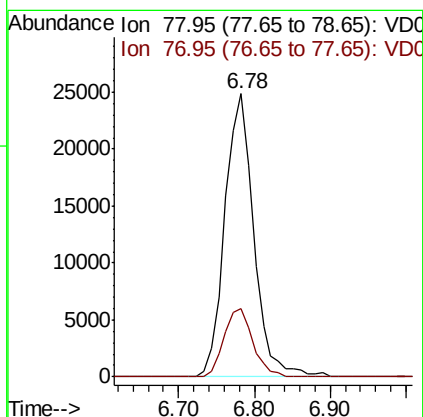
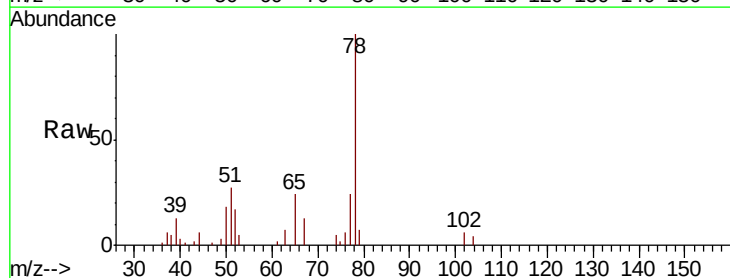
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMS

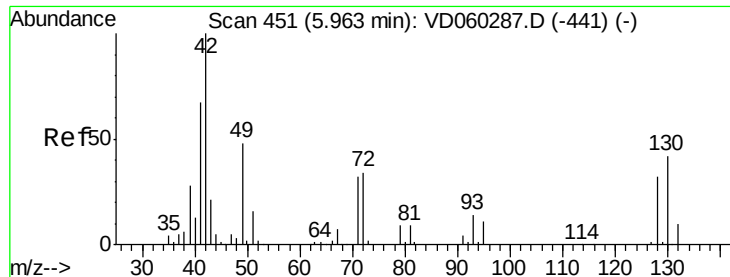
Tot Ion: 83 Resp: 18098
Ion Ratio Lower Upper
83 100
55 100.3 71.2 106.8
98 49.4 38.4 57.6



#40
Benzene
Concen: 63.215 ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.03 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Tgt Ion: 78 Resp: 65796
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2





#41

Methacrylonitrile

Concen: 256.370 ug/l

RT: 5.93 min Scan# 447

Delta R.T. -0.04 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMS

Tot Ion: 41 Resp: 55056

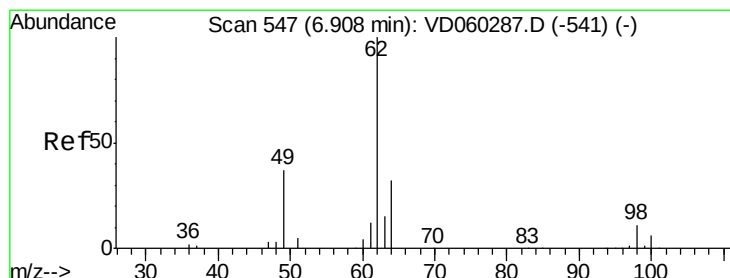
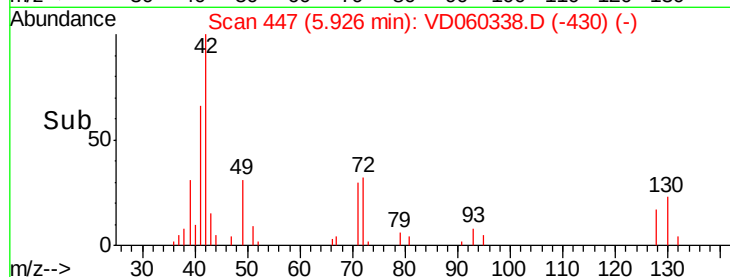
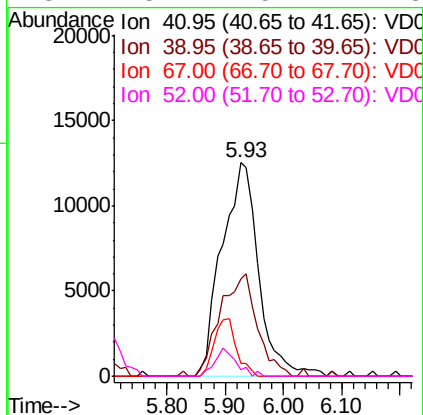
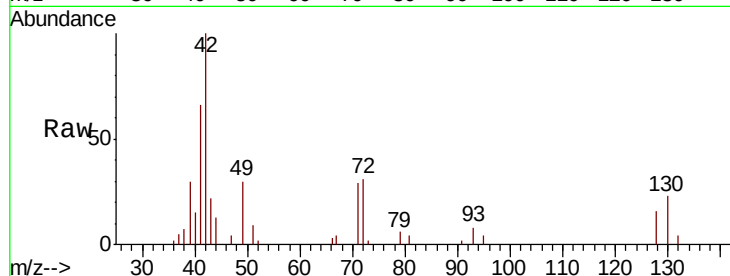
Ion Ratio Lower Upper

41 100

39 45.6 36.2 54.2

67 6.0 11.9 17.9#

52 3.2 5.2 7.8#



#42

1,2-Dichloroethane

Concen: 99.860 ug/l

RT: 6.87 min Scan# 543

Delta R.T. -0.04 min

Lab File: VD060338.D

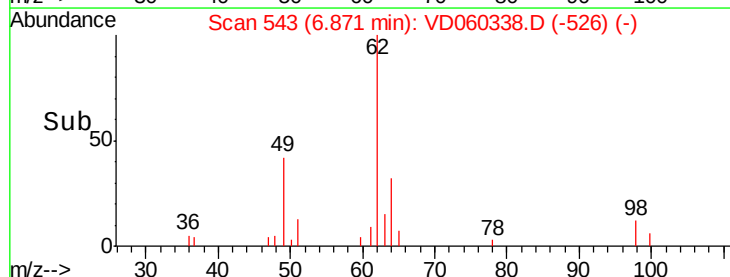
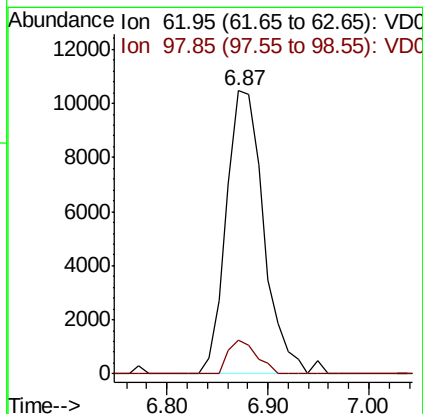
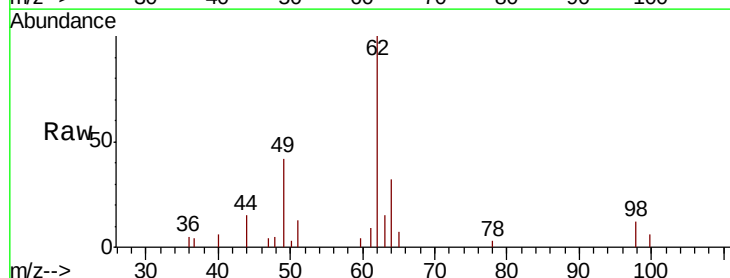
Acq: 12 Nov 2018 15:33

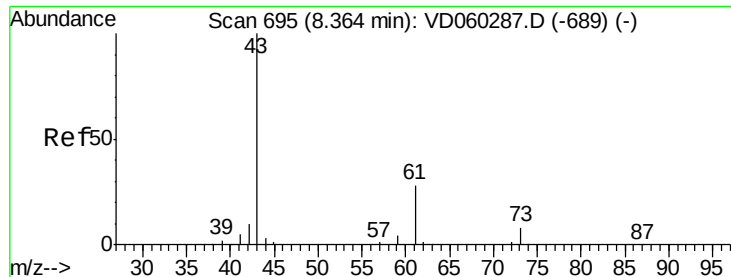
Tgt Ion: 62 Resp: 27205

Ion Ratio Lower Upper

62 100

98 12.1 0.0 22.0





#43

Isopropyl Acetate

Concen: 204.912 ug/l

RT: 8.33 min Scan# 691

Delta R.T. -0.04 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMS

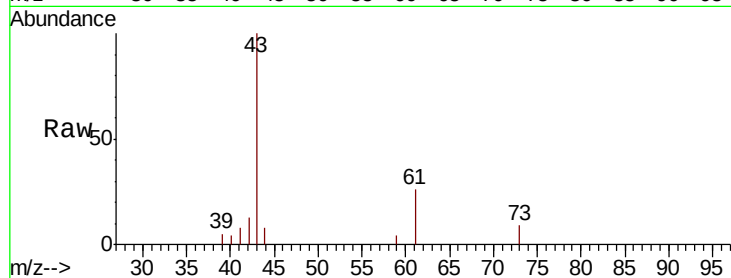
Tot Ion: 43 Resp: 48295

Ion Ratio Lower Upper

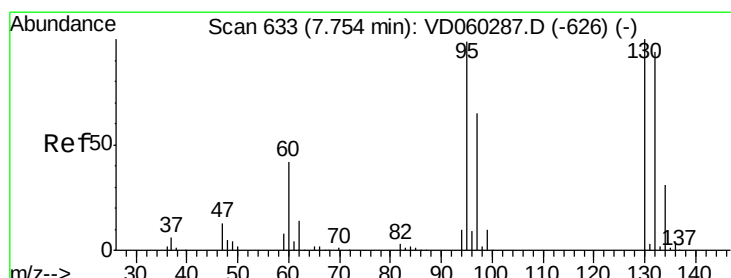
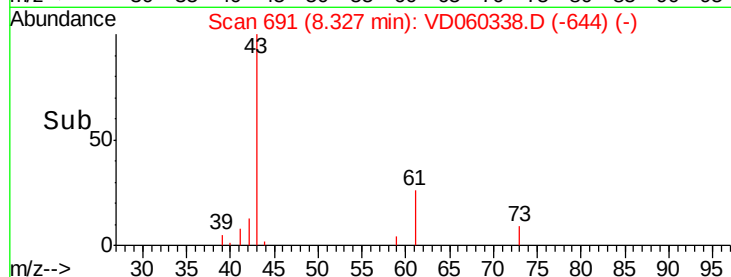
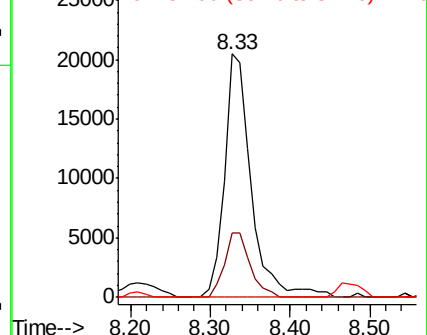
43 100

61 26.2 22.3 33.5

87 0.0 0.2 0.2#



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



#44

Trichloroethene

Concen: 54.381 ug/l

RT: 7.73 min Scan# 630

Delta R.T. -0.03 min

Lab File: VD060338.D

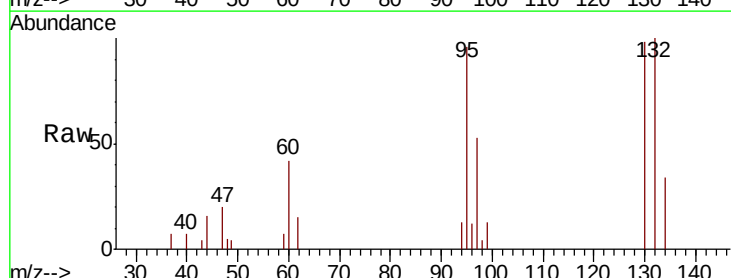
Acq: 12 Nov 2018 15:33

Tgt Ion:130 Resp: 17158

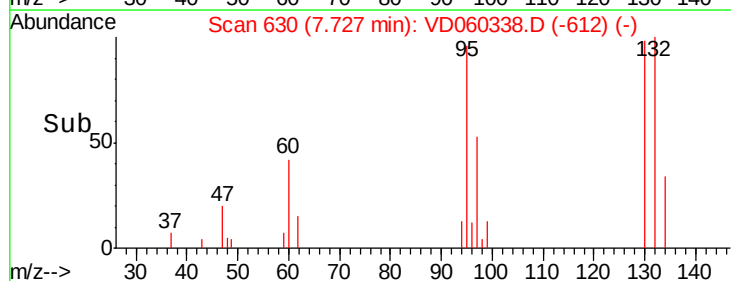
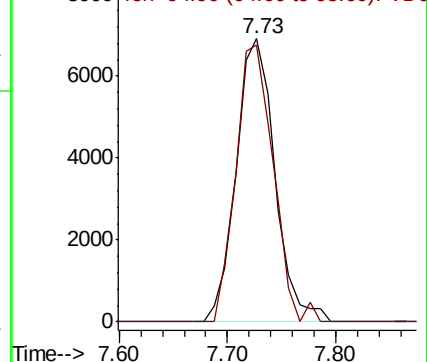
Ion Ratio Lower Upper

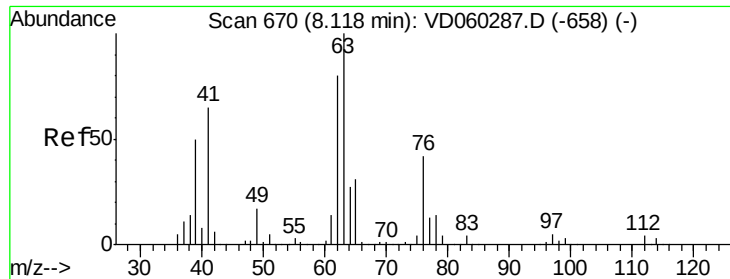
130 100

95 98.0 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: 71.478 ug/l

RT: 8.09 min Scan# 667

Delta R.T. -0.03 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

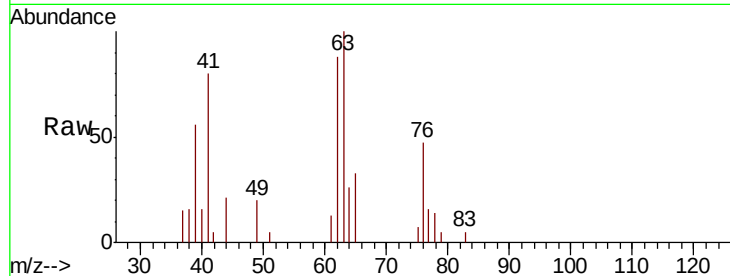
WALL-DMS

Tot Ion: 63 Resp: 18763

Ion Ratio Lower Upper

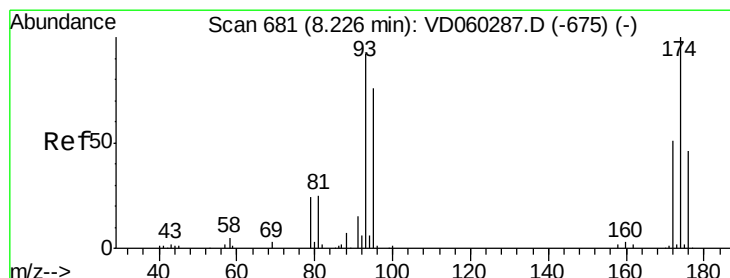
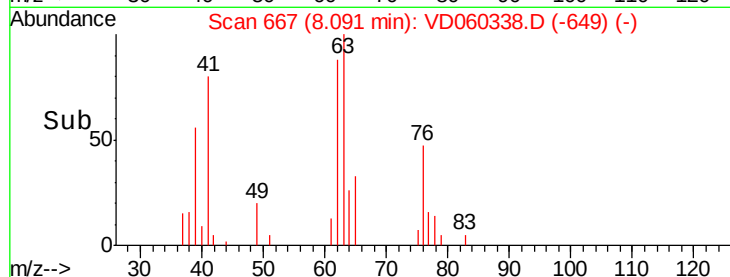
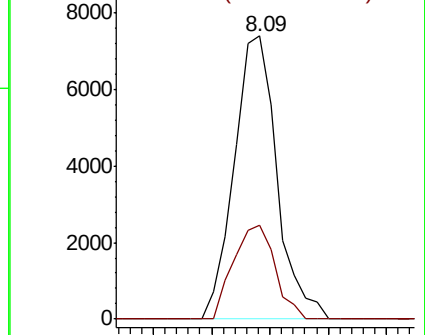
63 100

65 33.3 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 115.825 ug/l

RT: 8.20 min Scan# 678

Delta R.T. -0.03 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

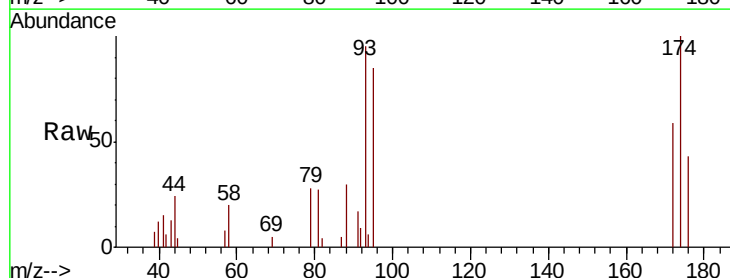
Tgt Ion: 93 Resp: 17807

Ion Ratio Lower Upper

93 100

95 89.6 66.4 99.6

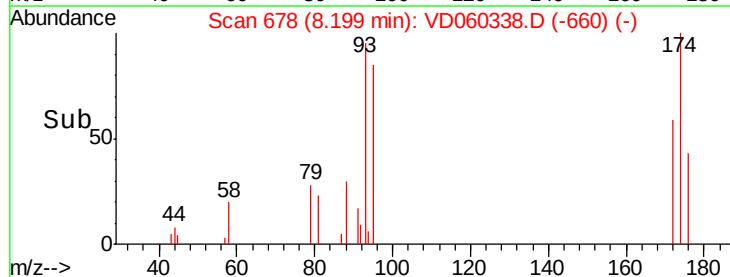
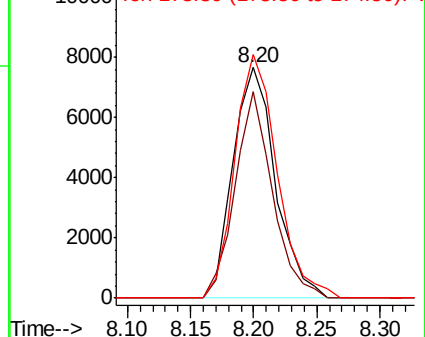
174 105.5 87.8 131.8

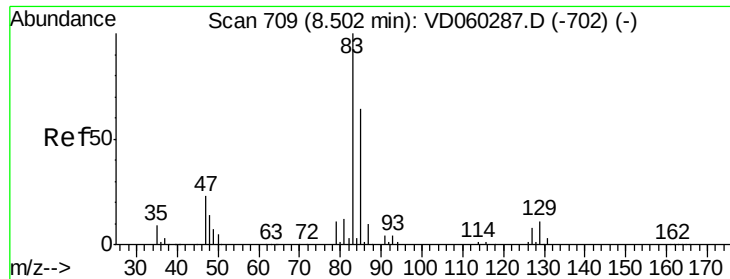


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 77.129 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.03 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMS

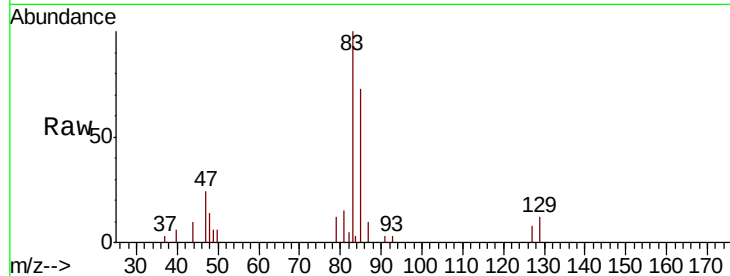
Tot Ion: 83 Resp: 27943

Ion Ratio Lower Upper

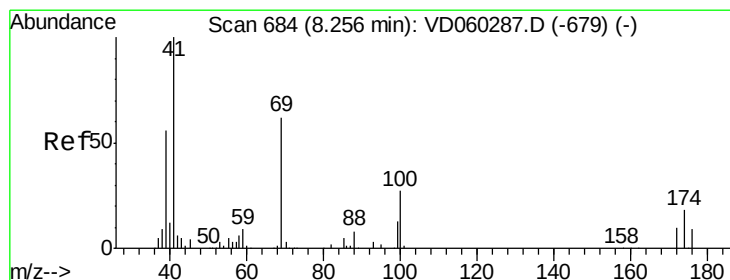
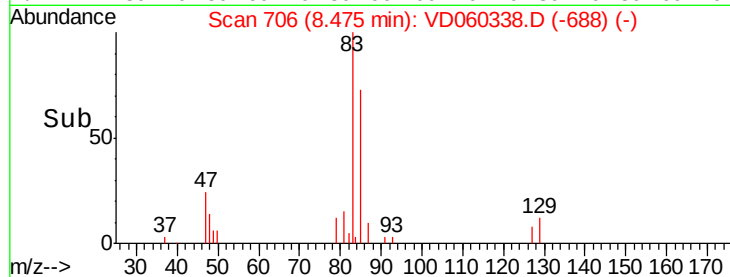
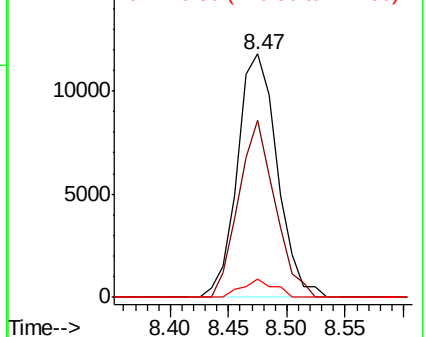
83 100

85 72.8 51.0 76.6

127 7.7 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: 187.369 ug/l

RT: 8.23 min Scan# 681

Delta R.T. -0.03 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

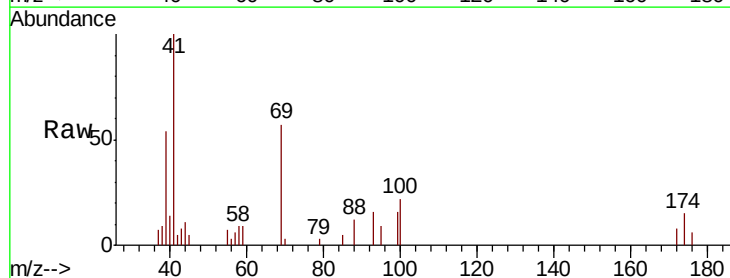
Tgt Ion: 41 Resp: 26824

Ion Ratio Lower Upper

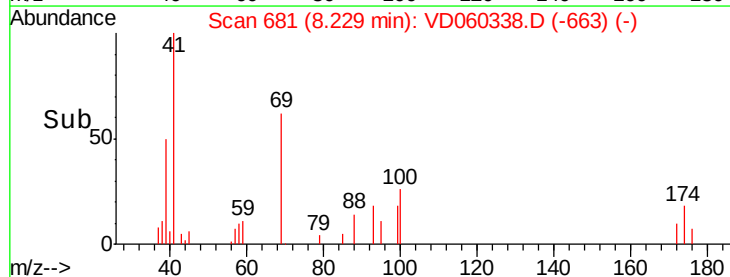
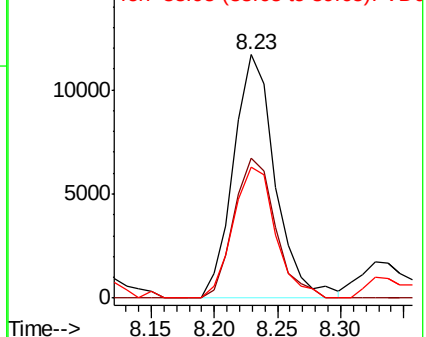
41 100

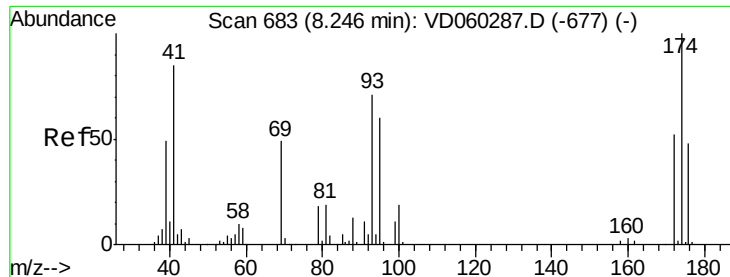
69 57.2 47.0 70.4

39 53.8 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: 5834.466 ug/l

RT: 8.21 min Scan# 679

Delta R.T. -0.04 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMS

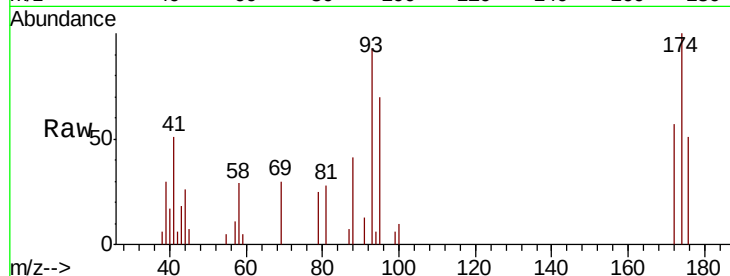
Tot Ion: 88 Resp: 7227

Ion Ratio Lower Upper

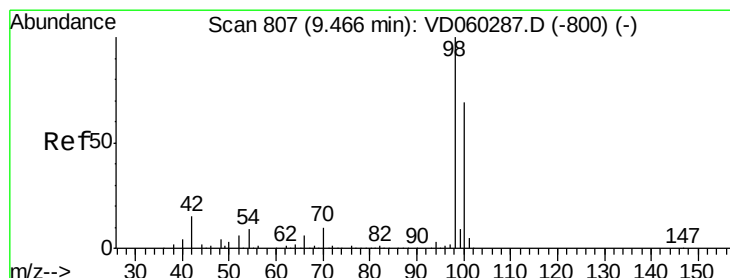
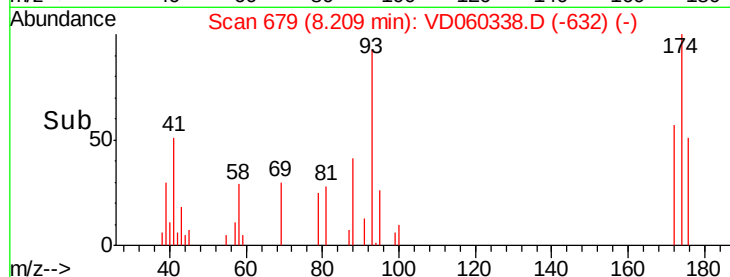
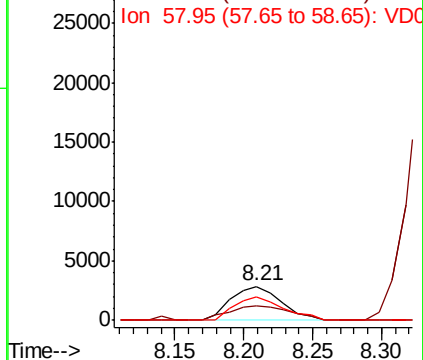
88 100

43 42.4 39.7 59.5

58 69.4 60.2 90.2



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 5834.466 ug/l

RT: 9.44 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060338.D

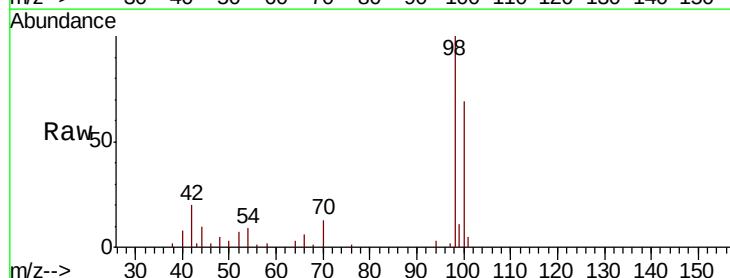
Acq: 12 Nov 2018 15:33

Tgt Ion: 98 Resp: 57204

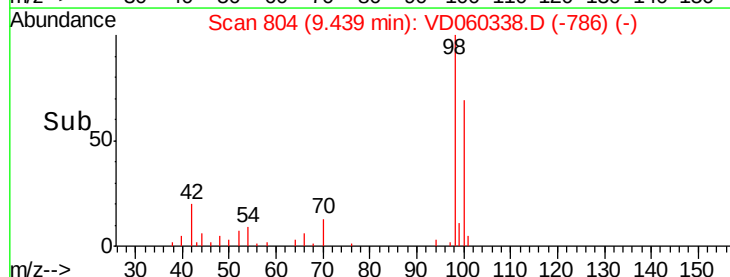
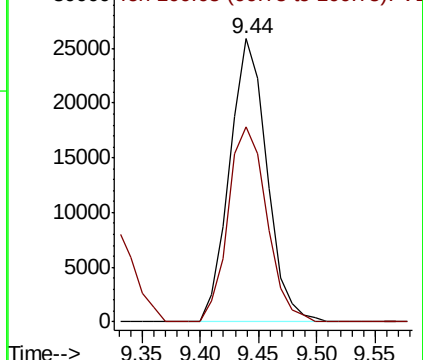
Ion Ratio Lower Upper

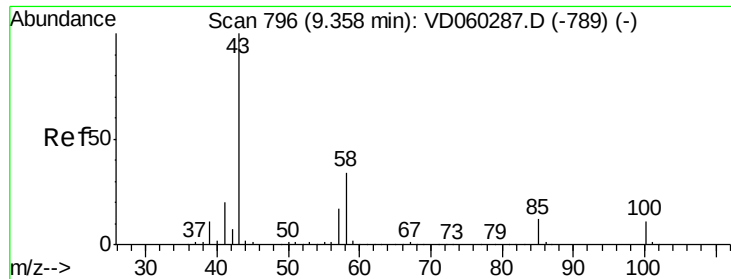
98 100

100 68.8 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1209.921 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.04 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

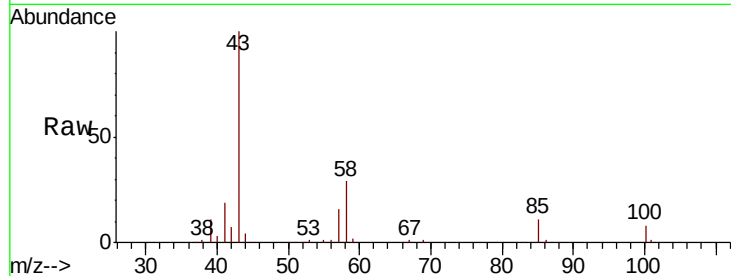
WALL-DMS

Tot Ion: 43 Resp: 185601

Ion Ratio Lower Upper

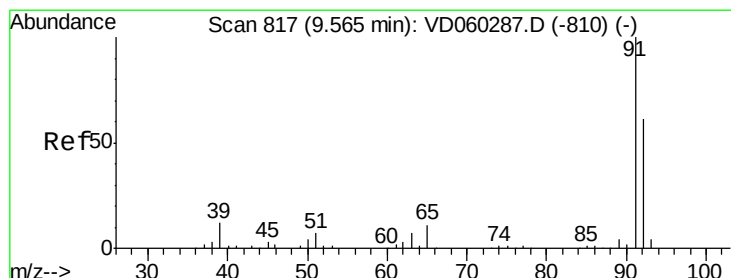
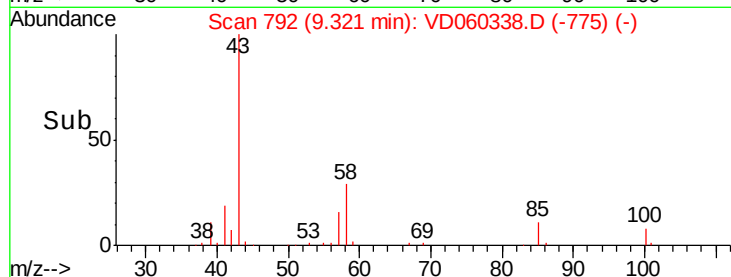
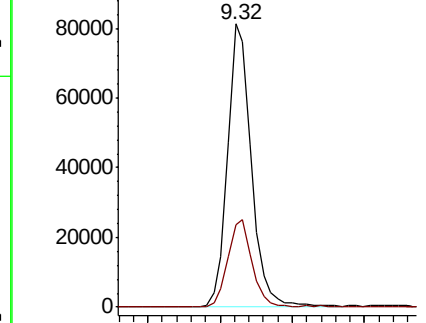
43 100

58 29.3 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 63.941 ug/l

RT: 9.54 min Scan# 814

Delta R.T. -0.03 min

Lab File: VD060338.D

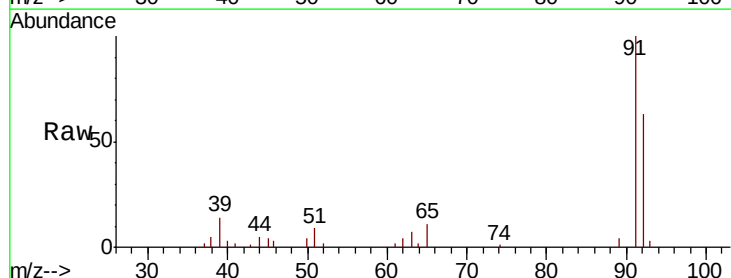
Acq: 12 Nov 2018 15:33

Tgt Ion: 92 Resp: 42512

Ion Ratio Lower Upper

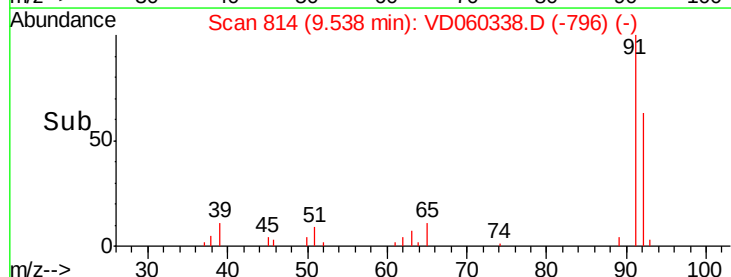
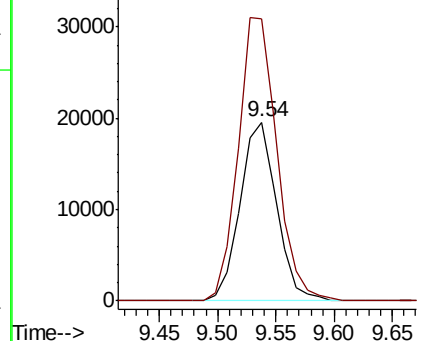
92 100

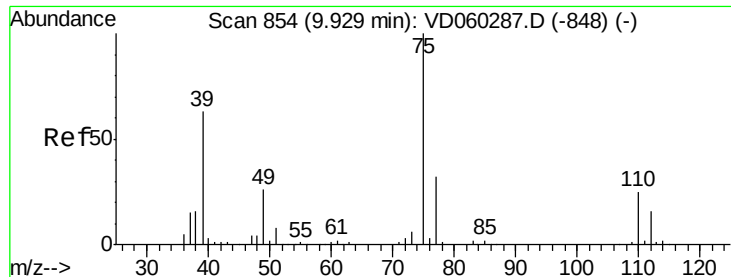
91 157.7 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

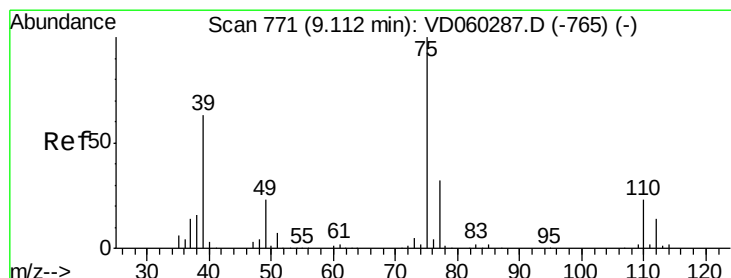
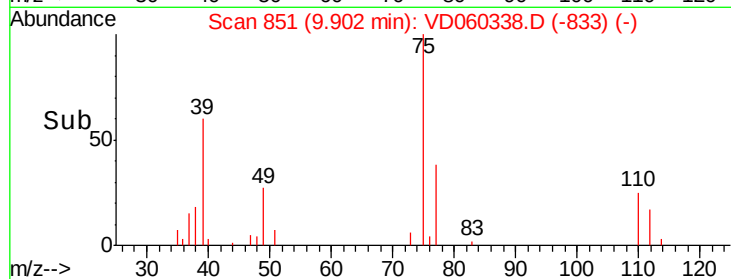
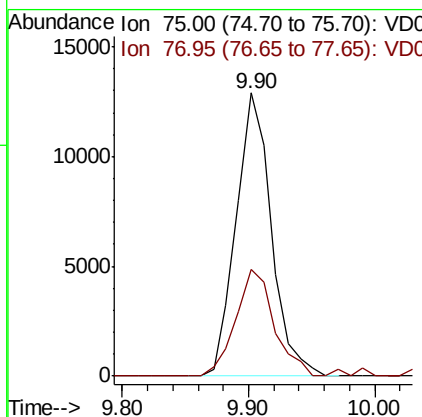
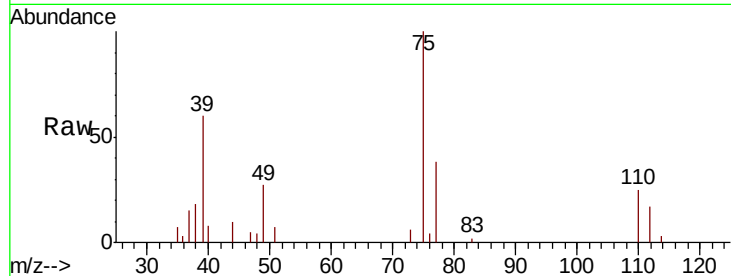




#53
 t-1,3-Dichloropropene
 Concen: 81.524 ug/l
 RT: 9.90 min Scan# 851
 Delta R.T. -0.03 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

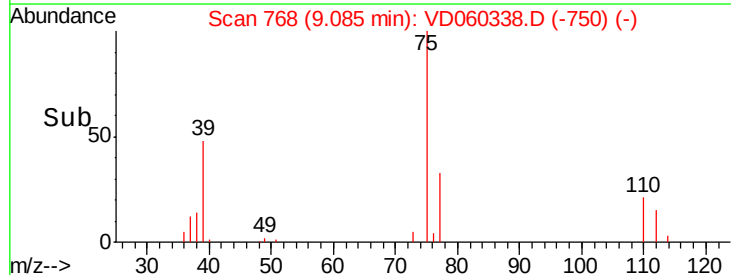
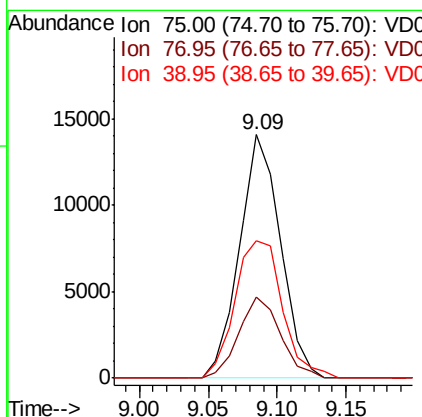
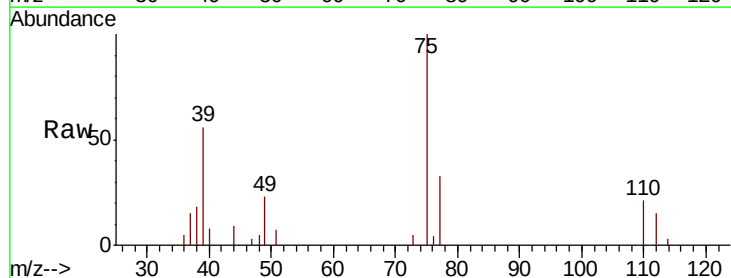
Instrument :
 MSVOA_D
 ClientSampleID :
 WALL-DMS

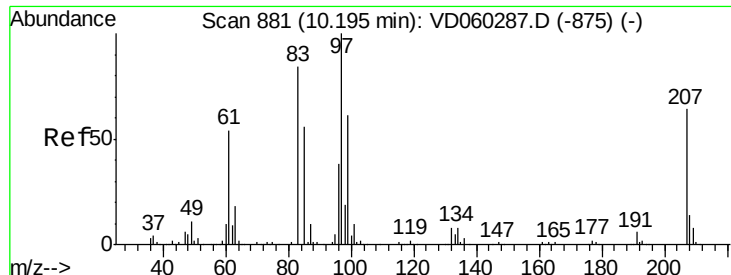
Tot Ion: 75 Resp: 24955
 Ion Ratio Lower Upper
 75 100
 77 37.9 25.2 37.8#



#54
 cis-1,3-Dichloropropene
 Concen: 74.316 ug/l
 RT: 9.09 min Scan# 768
 Delta R.T. -0.03 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

Tgt Ion: 75 Resp: 29177
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.3 39.5
 39 56.3 50.8 76.2

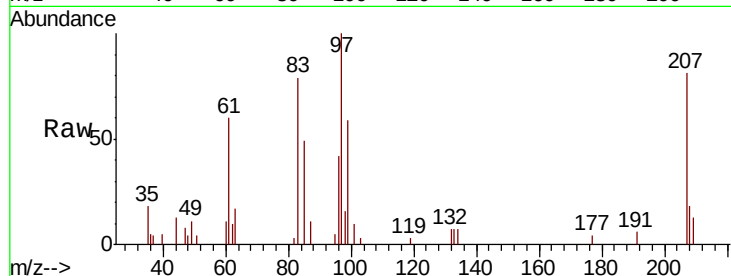




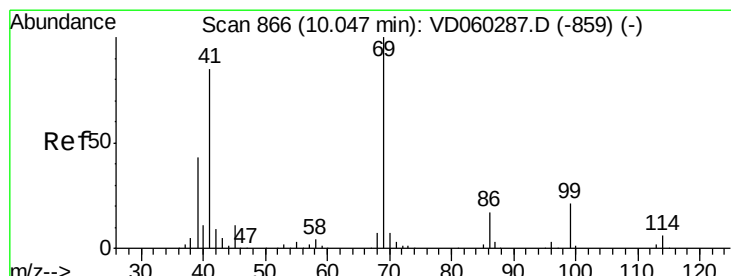
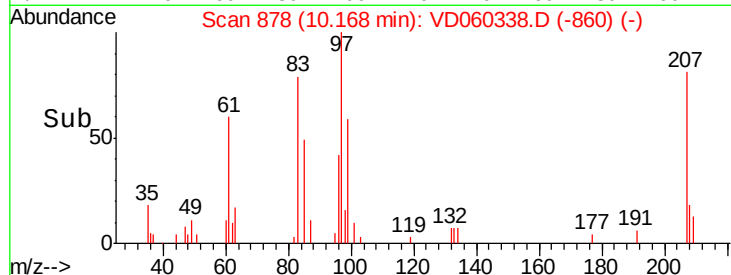
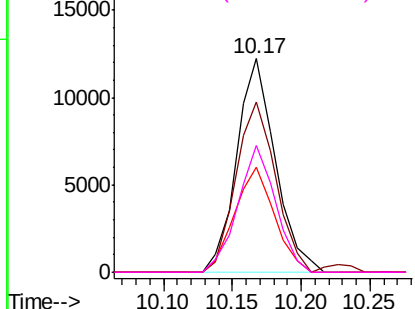
#55
 1,1,2-Trichloroethane
 Concen: 123.938 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. -0.03 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMS

Tot Ion:	97	Resp:	23883
Ion	Ratio	Lower	Upper
97	100		
83	79.5	68.4	102.6
85	49.2	46.8	70.2
99	59.3	49.5	74.3

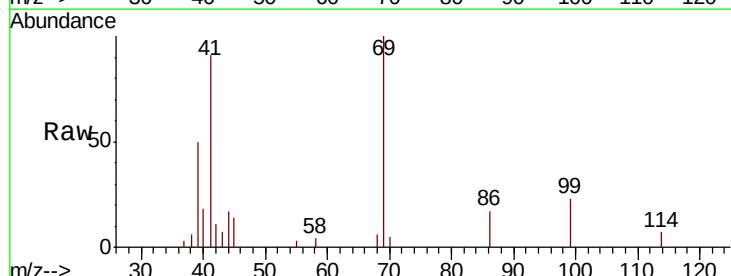


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

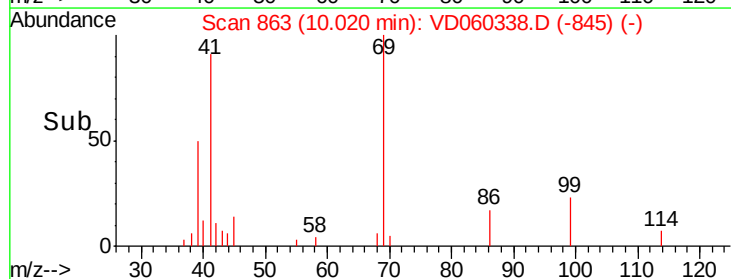
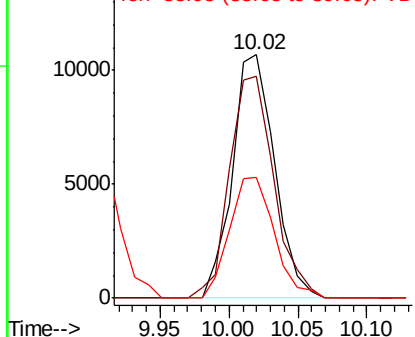


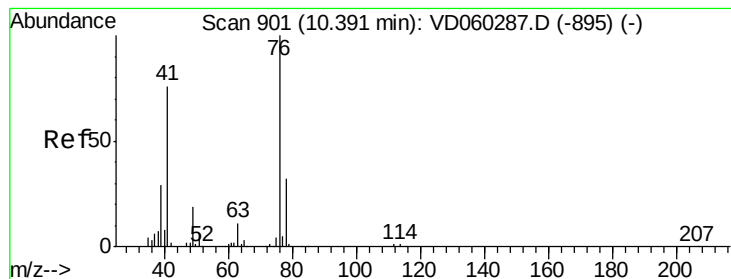
#56
 Ethyl methacrylate
 Concen: 128.621 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.03 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

Tgt Ion:	69	Resp:	22789
Ion	Ratio	Lower	Upper
69	100		
41	91.3	69.0	103.4
39	49.6	36.6	54.8



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





#57

1,3-Dichloropropane

Concen: 121.008 ug/l

RT: 10.36 min Scan# 898

Delta R.T. -0.03 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

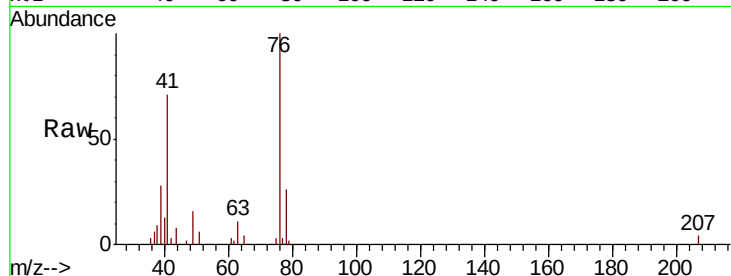
WALL-DMS

Tot Ion: 76 Resp: 35532

Ion Ratio Lower Upper

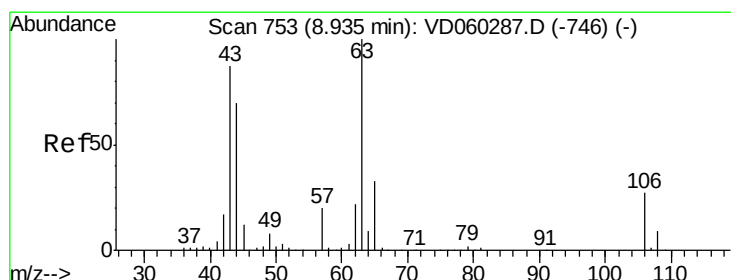
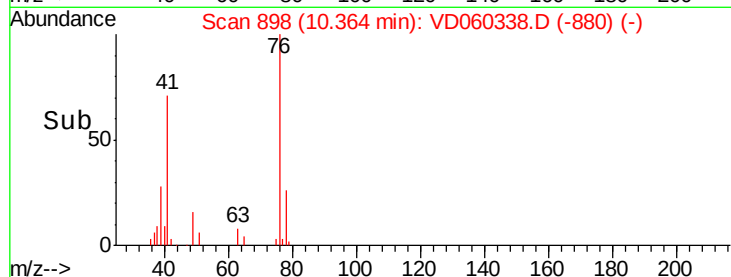
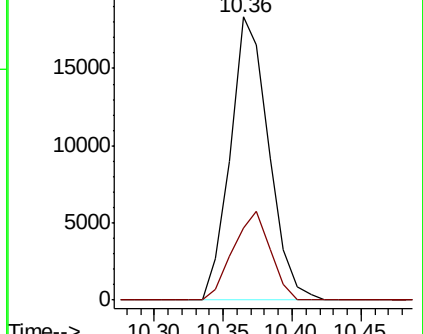
76 100

78 25.6 25.9 38.9#



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 716.802 ug/l

RT: 8.91 min Scan# 750

Delta R.T. -0.03 min

Lab File: VD060338.D

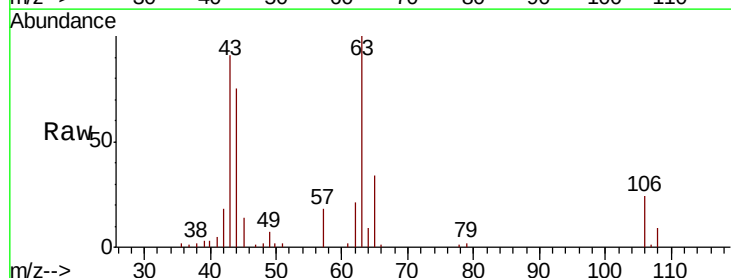
Acq: 12 Nov 2018 15:33

Tgt Ion: 63 Resp: 76792

Ion Ratio Lower Upper

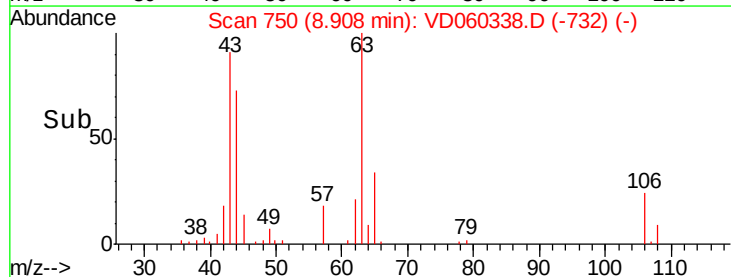
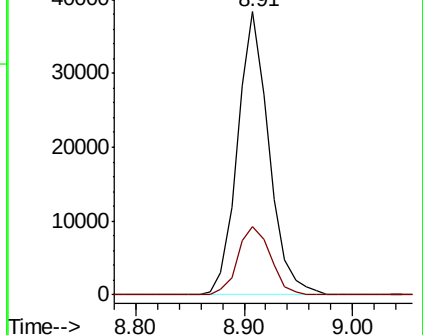
63 100

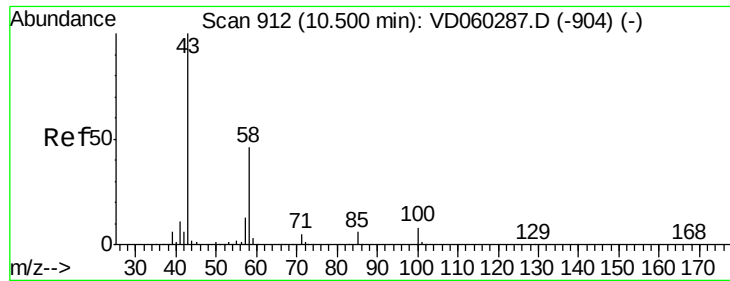
106 24.1 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

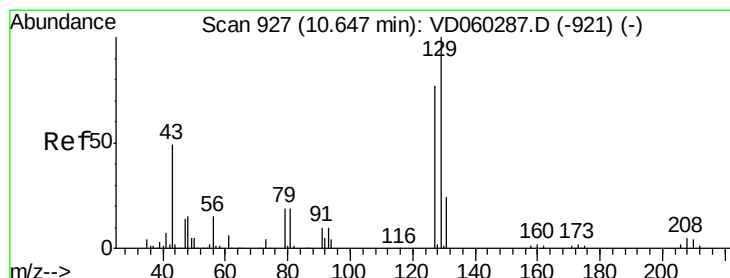
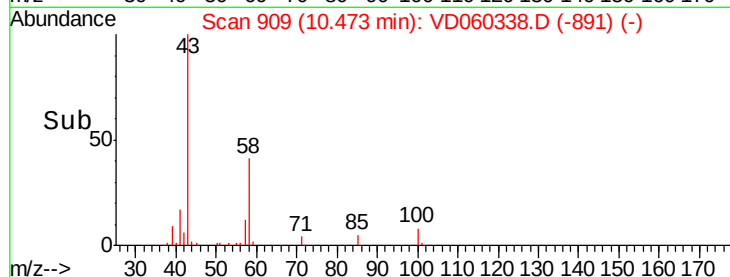
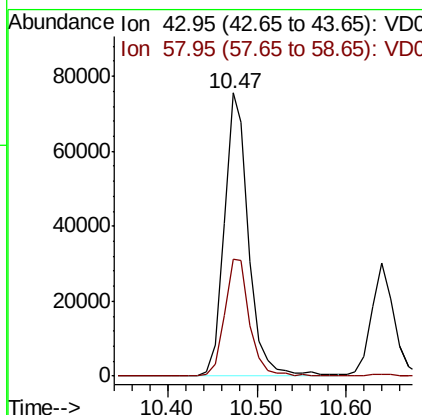
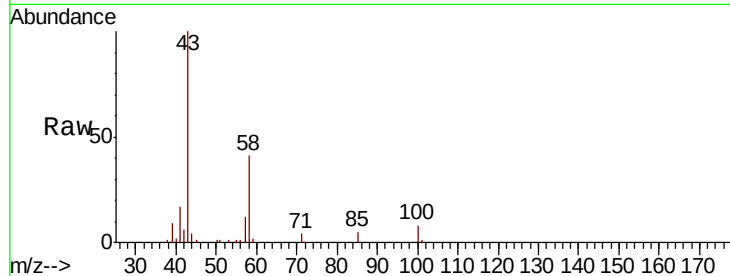




#59
2-Hexanone
Concen: 1322.321 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.03 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

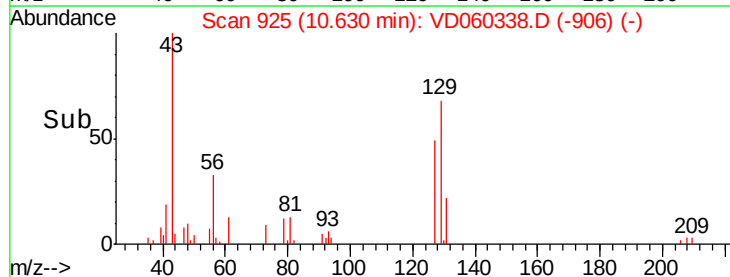
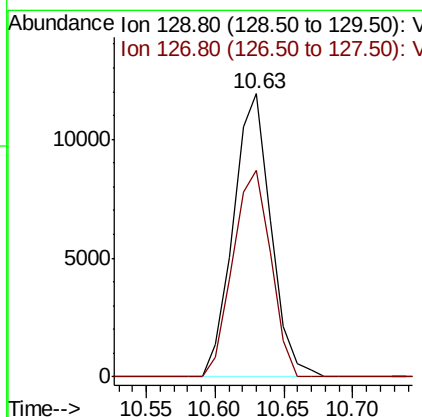
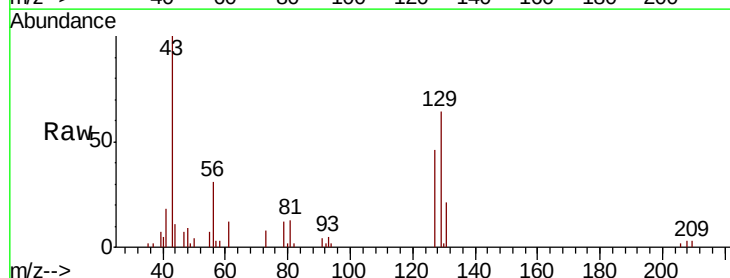
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMS

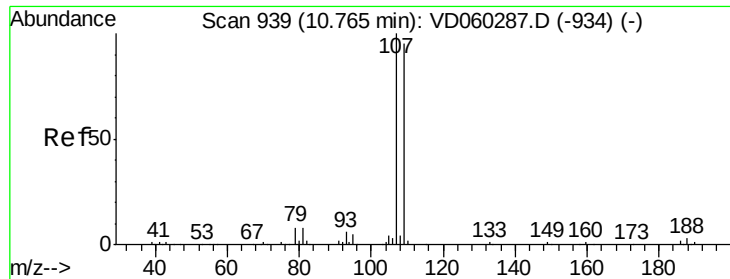
Tot Ion: 43 Resp: 144574
Ion Ratio Lower Upper
43 100
58 41.4 22.9 68.5



#60
Dibromochloromethane
Concen: 96.945 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.02 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Tgt Ion: 129 Resp: 22709
Ion Ratio Lower Upper
129 100
127 73.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 128.617 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

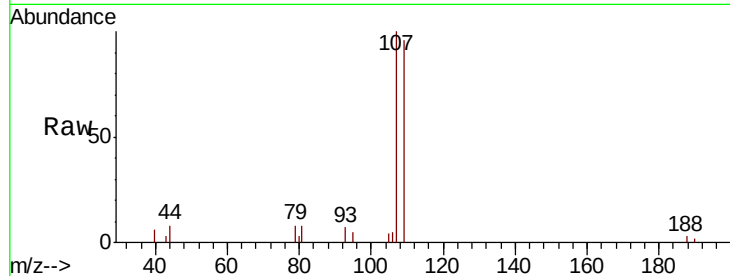
WALL-DMS

Tot Ion:107 Resp: 24833

Ion Ratio Lower Upper

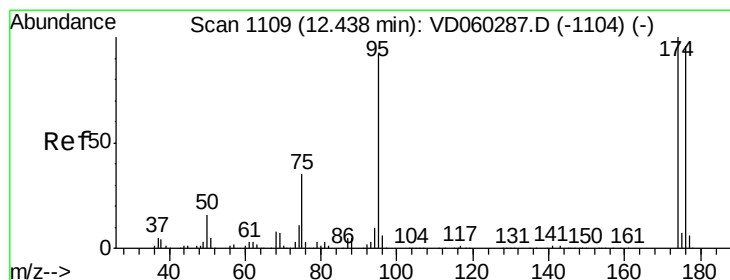
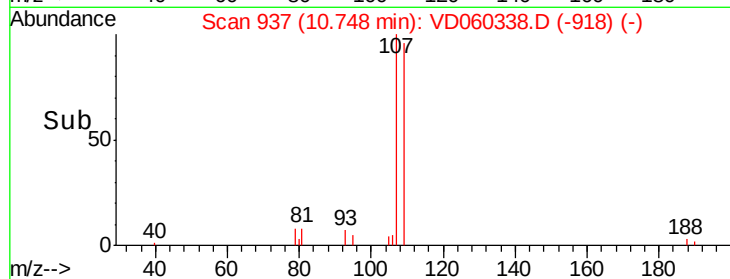
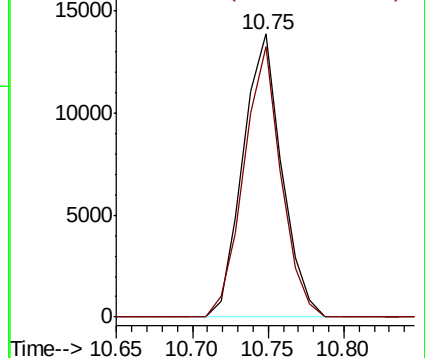
107 100

109 95.7 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: 128.617 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

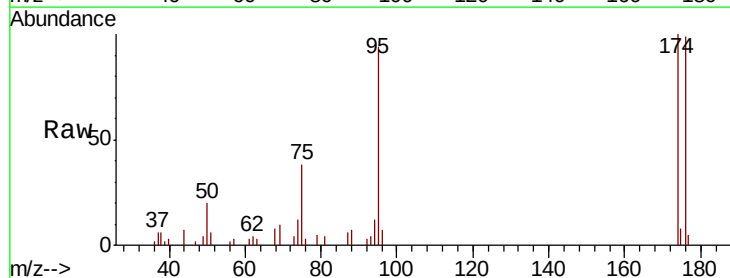
Tgt Ion: 95 Resp: 24933

Ion Ratio Lower Upper

95 100

174 106.6 0.0 160.8

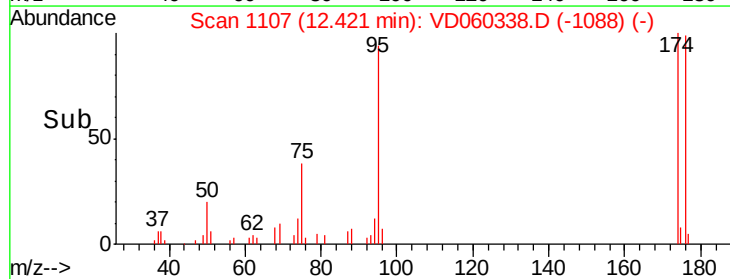
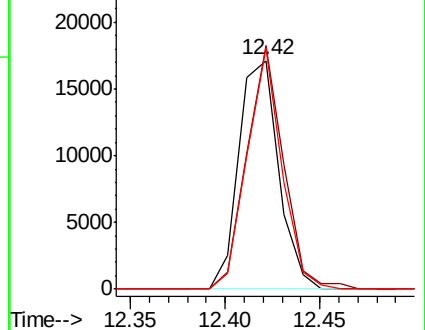
176 105.7 0.0 154.6

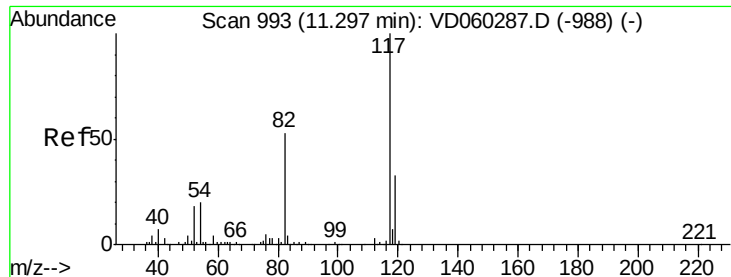


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

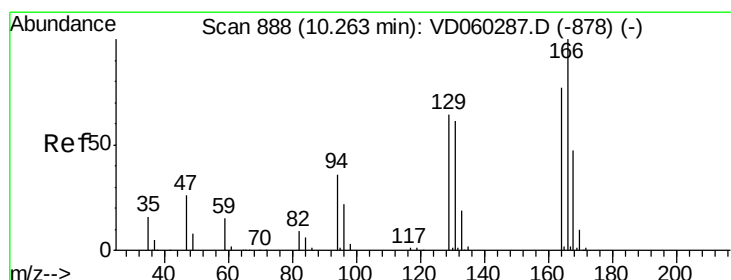
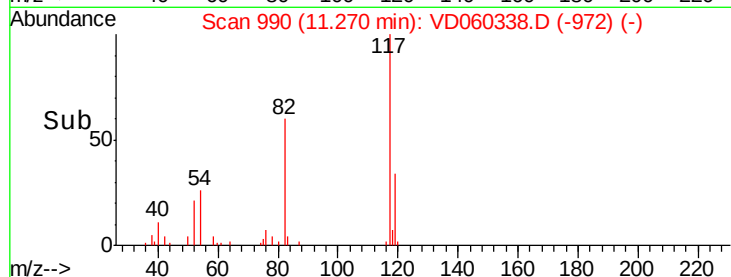
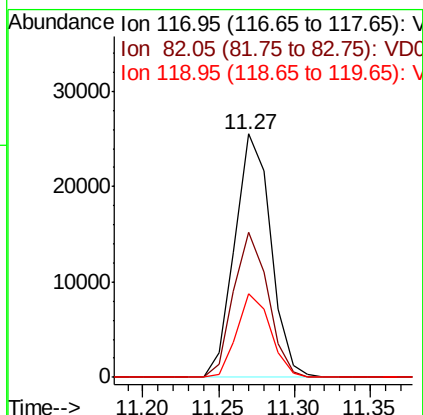
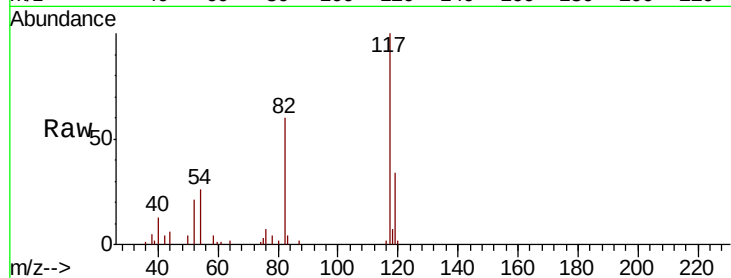




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

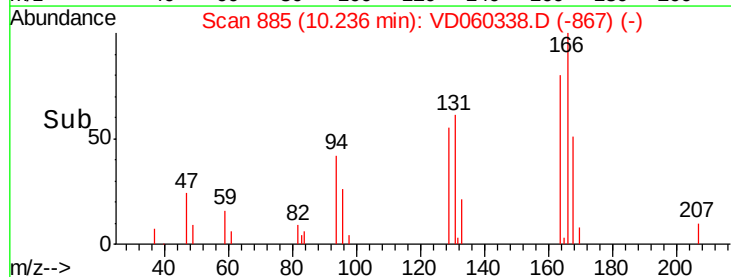
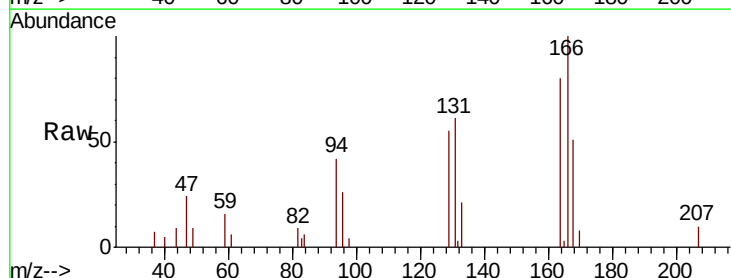
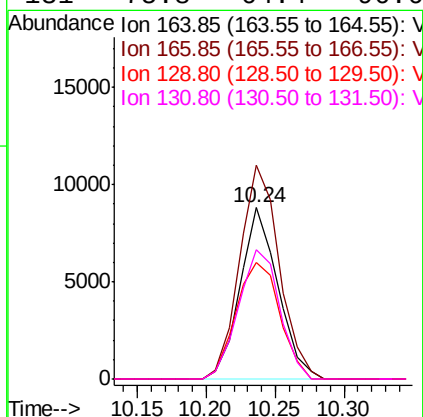
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMS

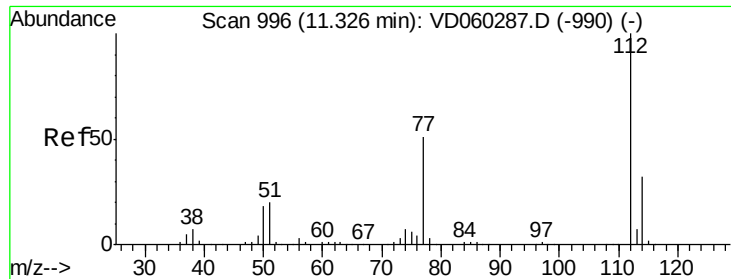
Tot Ion:117 Resp: 42387
Ion Ratio Lower Upper
117 100
82 59.8 43.7 65.5
119 34.4 26.1 39.1



#64
Tetrachloroethene
Concen: 44.452 ug/l
RT: 10.24 min Scan# 885
Delta R.T. -0.03 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Tgt Ion:164 Resp: 16821
Ion Ratio Lower Upper
164 100
166 124.7 103.7 155.5
129 68.4 65.6 98.4
131 75.8 64.4 96.6

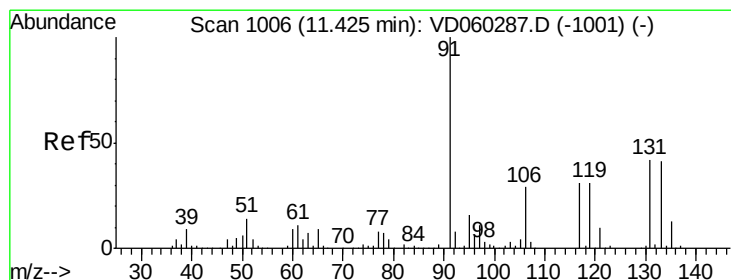
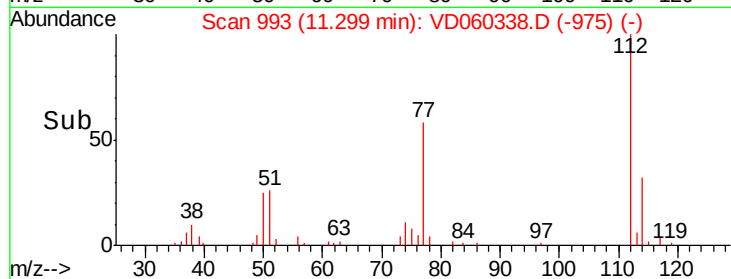
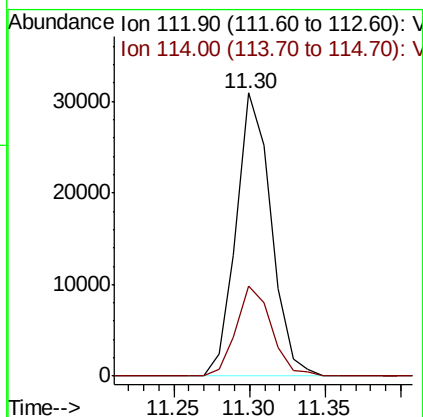
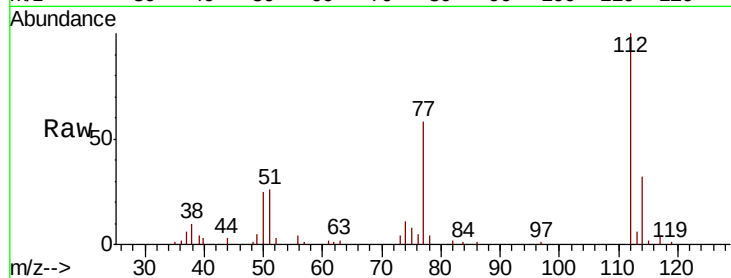




#65
Chlorobenzene
Concen: 53.930 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.03 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

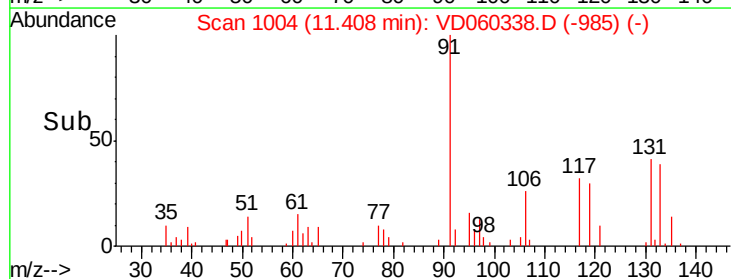
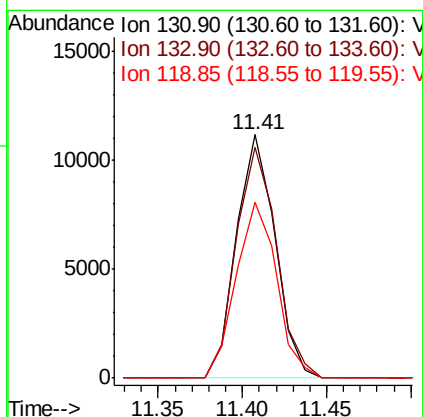
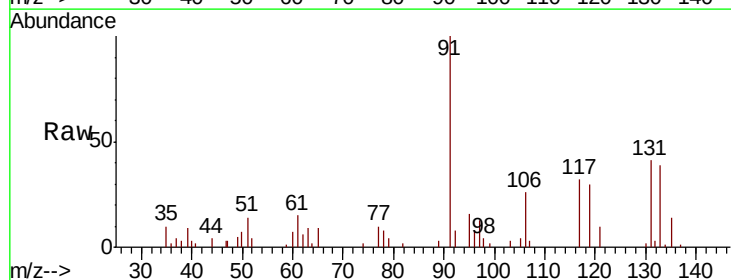
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMS

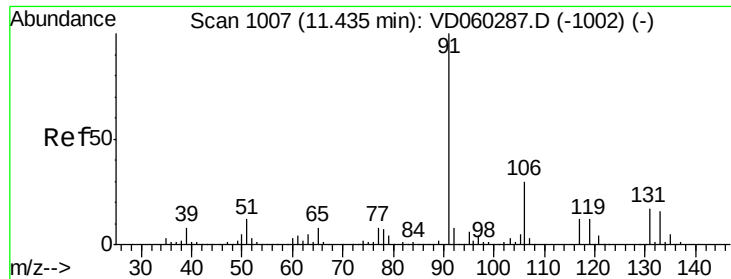
Tot Ion:112 Resp: 49530
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 59.189 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. -0.02 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Tgt Ion:131 Resp: 17786
Ion Ratio Lower Upper
131 100
133 95.0 50.0 150.0
119 72.3 37.0 111.1

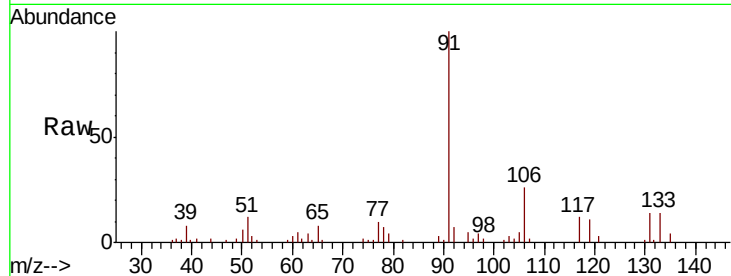




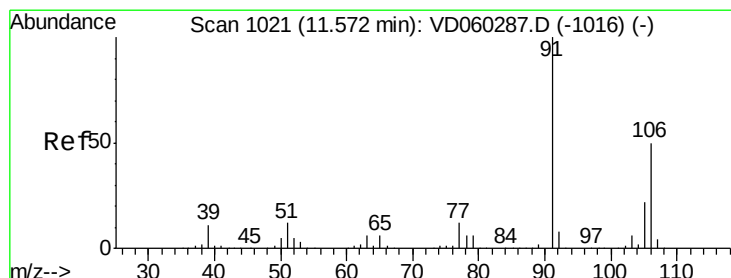
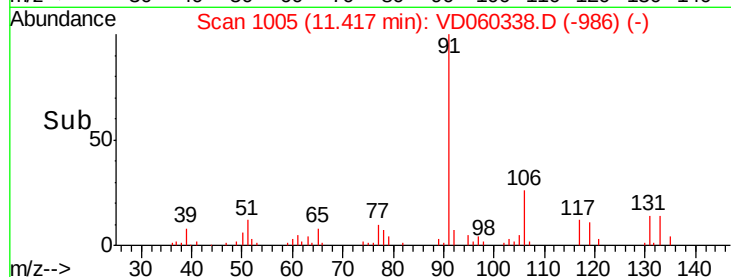
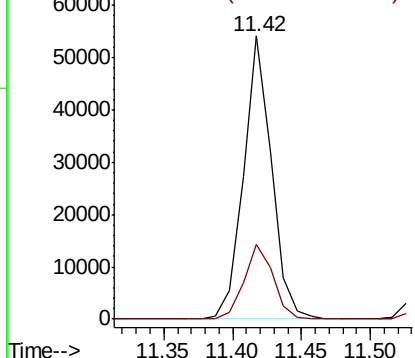
#67
Ethyl Benzene
Concen: 48.707 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Instrument :
MSVOA_D
ClientSampled :
WALL-DMS

Tot Ion: 91 Resp: 76522
Ion Ratio Lower Upper
91 100
106 26.5 24.6 36.8

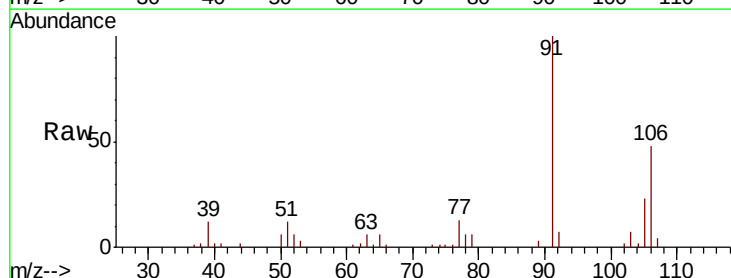


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

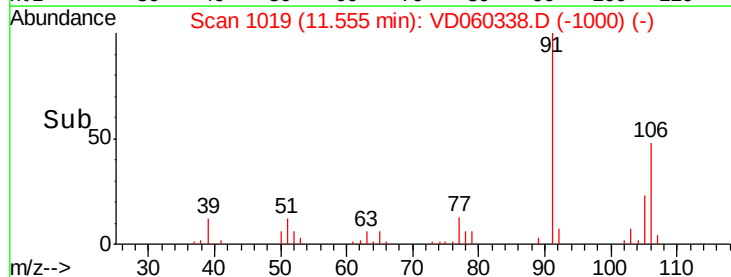
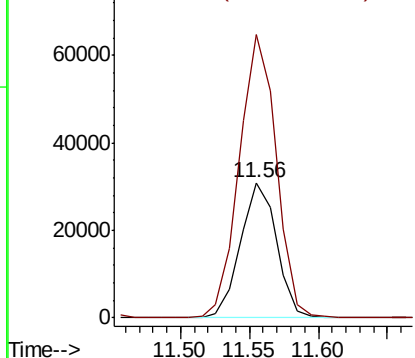


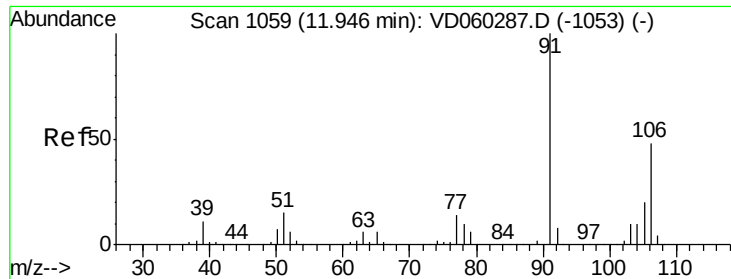
#68
m/p-Xylenes
Concen: 98.060 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. -0.02 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Tgt Ion: 106 Resp: 56830
Ion Ratio Lower Upper
106 100
91 209.1 159.4 239.2



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

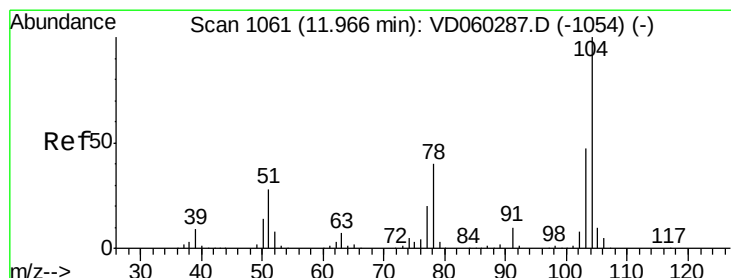
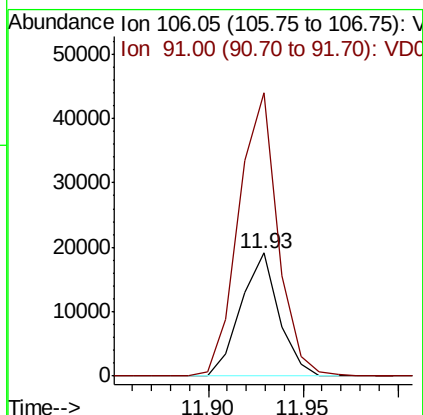
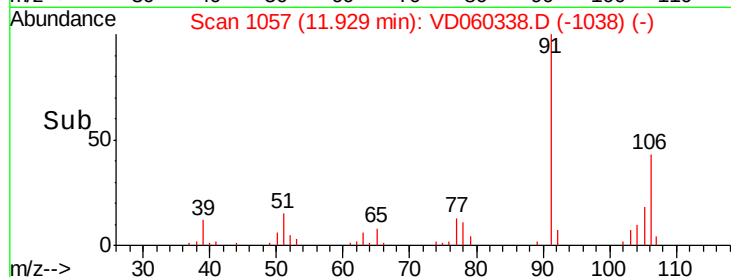
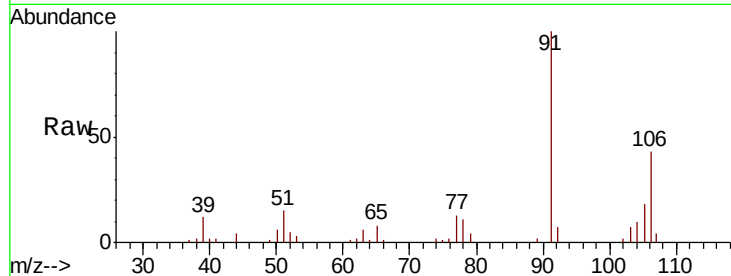




#69
o-Xylene
Concen: 47.458 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

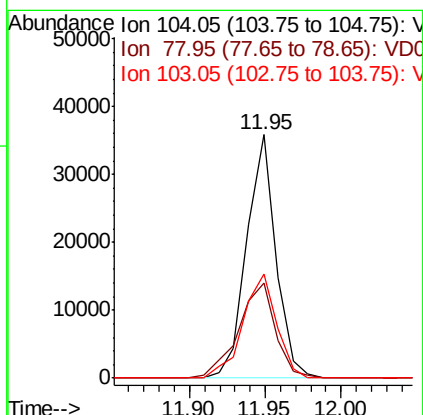
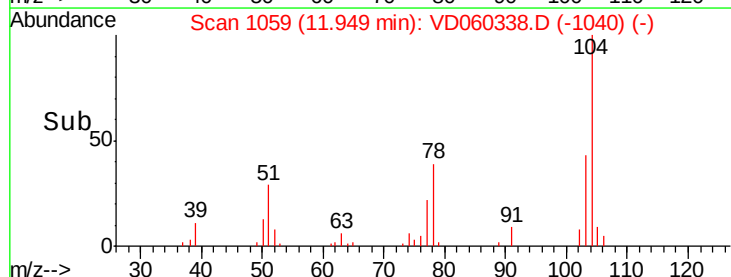
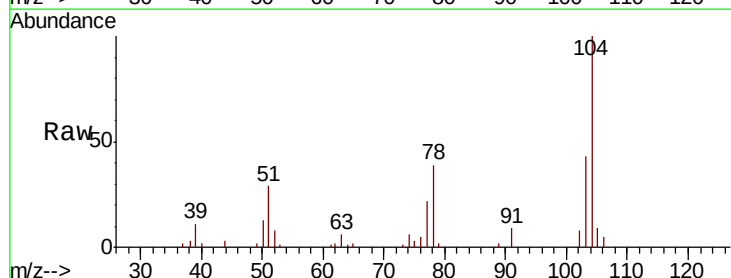
Instrument :
MSVOA_D
ClientSampled :
WALL-DMS

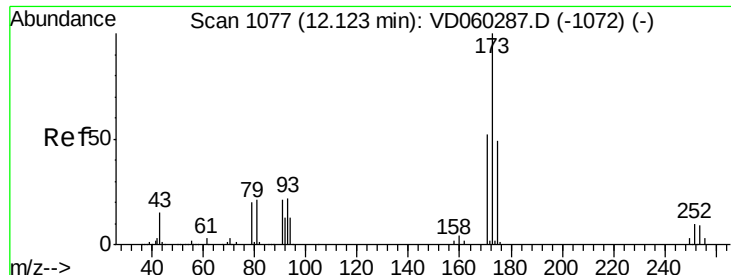
Tot Ion:106 Resp: 26571
Ion Ratio Lower Upper
106 100
91 230.3 109.2 327.6



#70
Styrene
Concen: 53.237 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Tgt Ion:104 Resp: 48171
Ion Ratio Lower Upper
104 100
78 39.0 31.6 47.4
103 42.8 37.0 55.6





#71

Bromoform

Concen: 98.002 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. -0.02 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMS

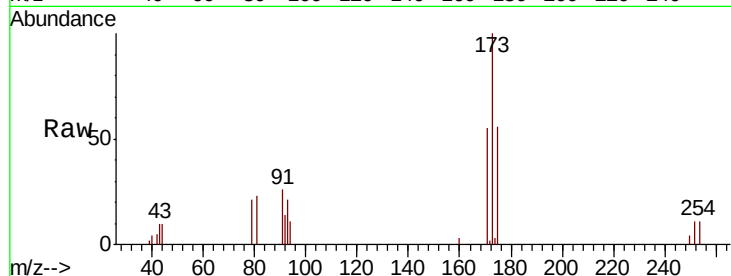
Tot Ion:173 Resp: 19789

Ion Ratio Lower Upper

173 100

175 55.6 24.3 73.0

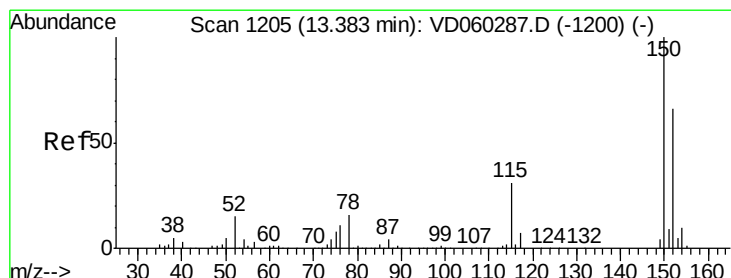
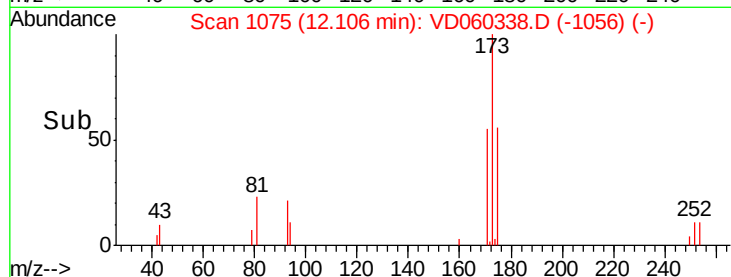
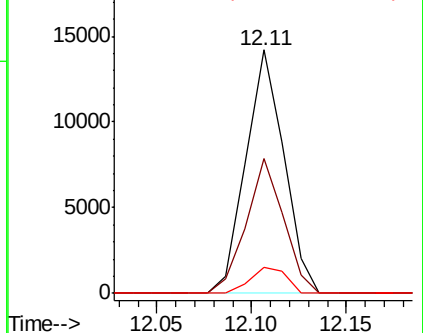
254 10.7 8.3 12.5



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: 13.37 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

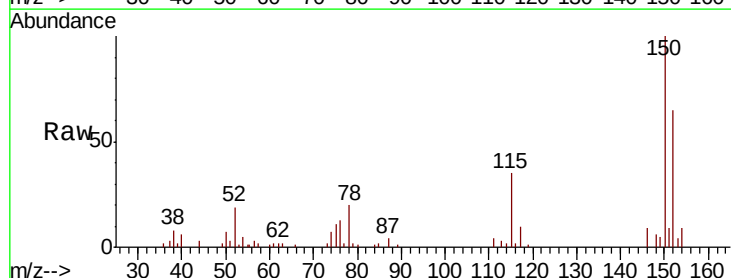
Tgt Ion:152 Resp: 25863

Ion Ratio Lower Upper

152 100

115 54.4 24.1 72.3

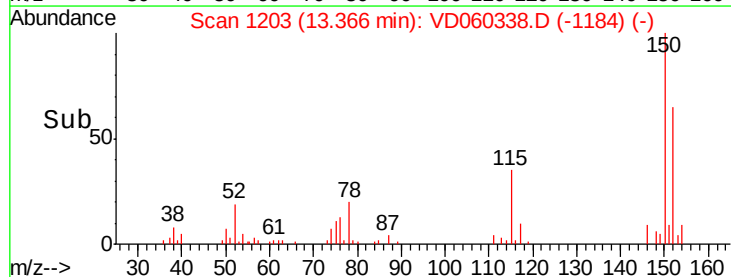
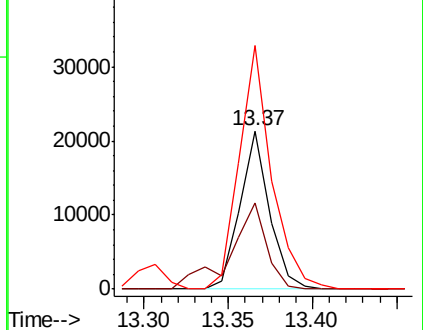
150 153.7 0.0 310.6

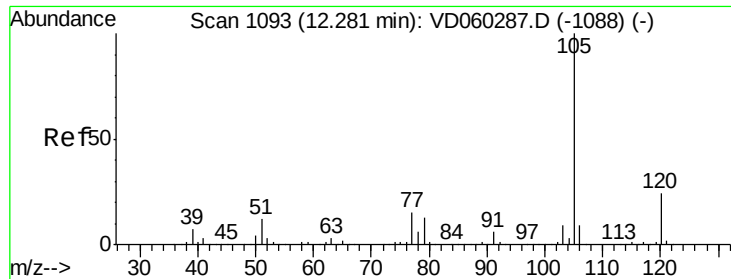


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 36.186 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

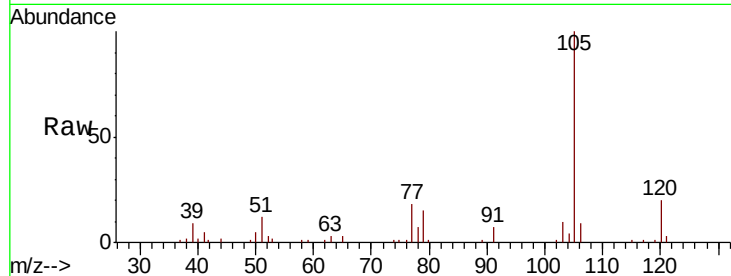
WALL-DMS

Tot Ion:105 Resp: 68186

Ion Ratio Lower Upper

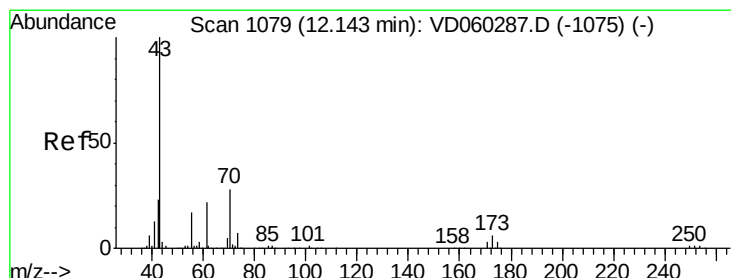
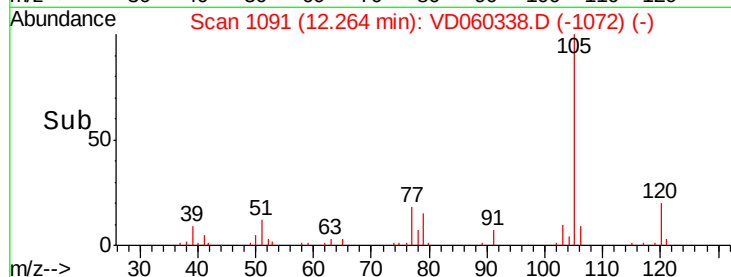
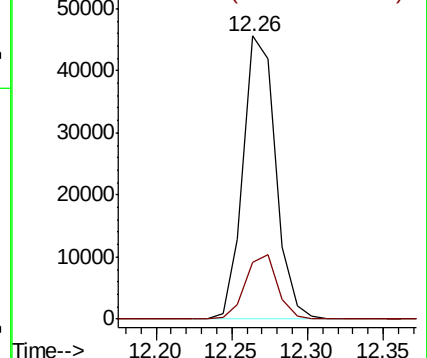
105 100

120 19.9 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 100.409 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Tgt Ion: 43 Resp: 48507

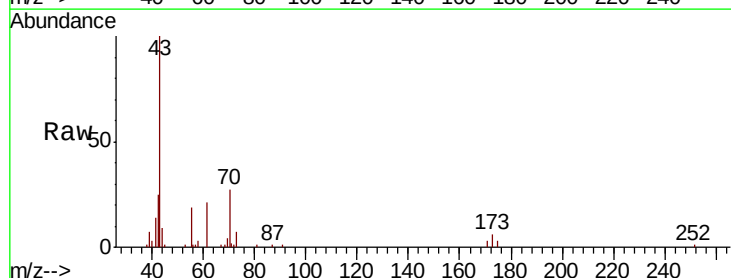
Ion Ratio Lower Upper

43 100

70 26.7 23.0 34.4

55 19.2 14.2 21.4

61 20.6 17.8 26.8

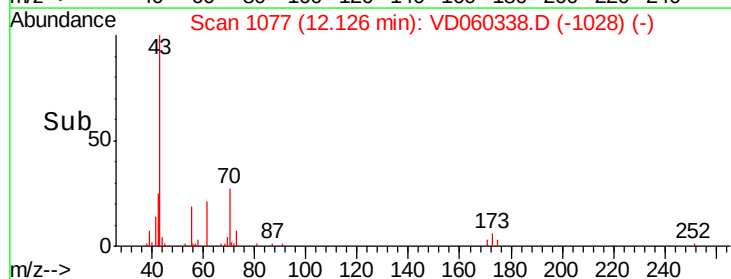
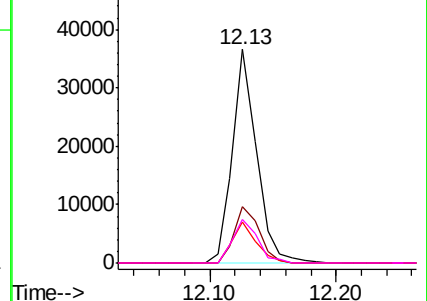


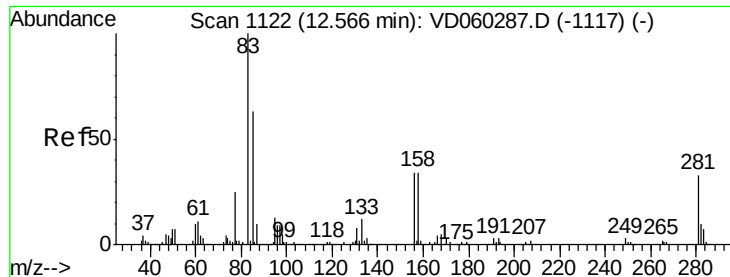
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 123.754 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMS

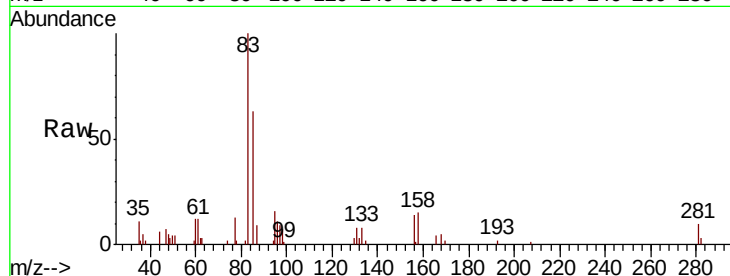
Tot Ion: 83 Resp: 38137

Ion Ratio Lower Upper

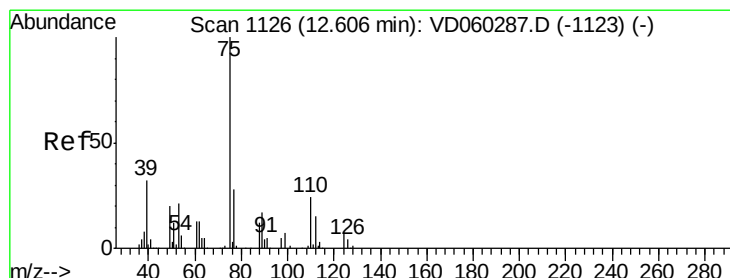
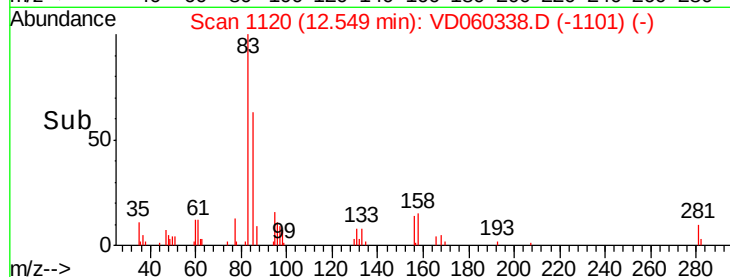
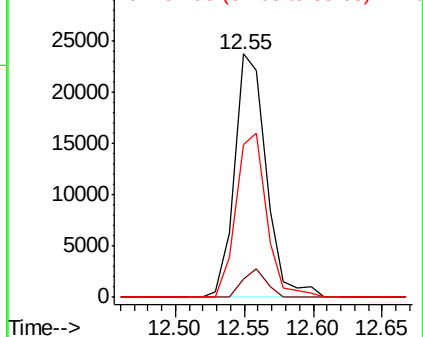
83 100

131 7.7 3.9 11.5

85 62.7 32.0 96.0



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



#76

1,2,3-Trichloropropane

Concen: 117.418 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VD060338.D

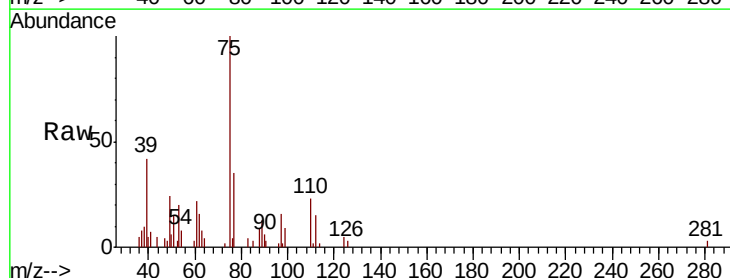
Acq: 12 Nov 2018 15:33

Tgt Ion: 75 Resp: 36327

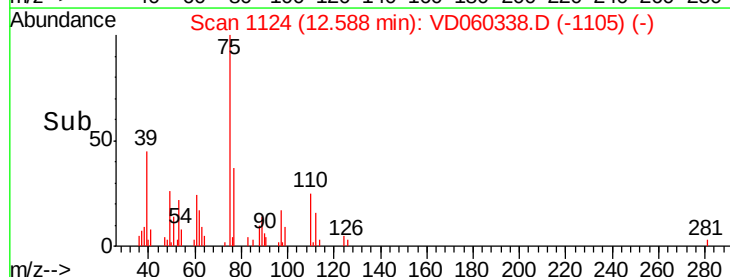
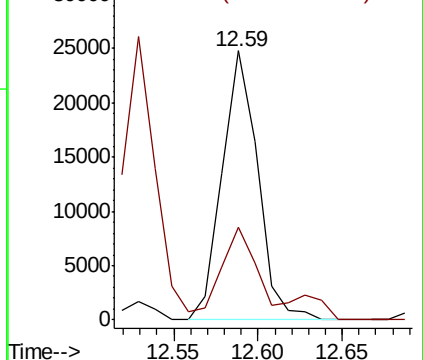
Ion Ratio Lower Upper

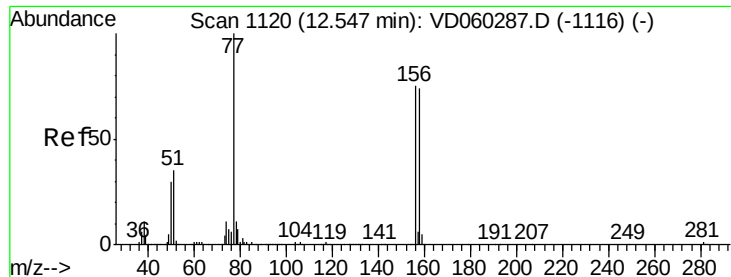
75 100

77 34.7 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: 49.776 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. -0.02 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMS

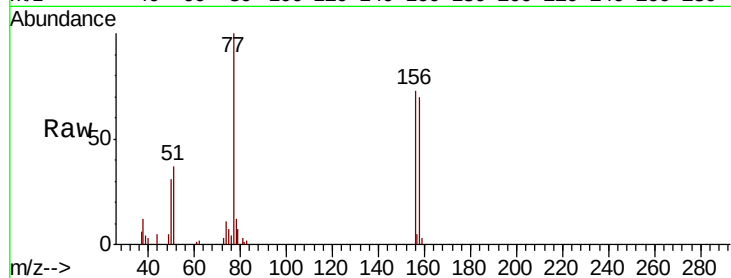
Tot Ion:156 Resp: 24914

Ion Ratio Lower Upper

156 100

77 137.8 61.2 183.6

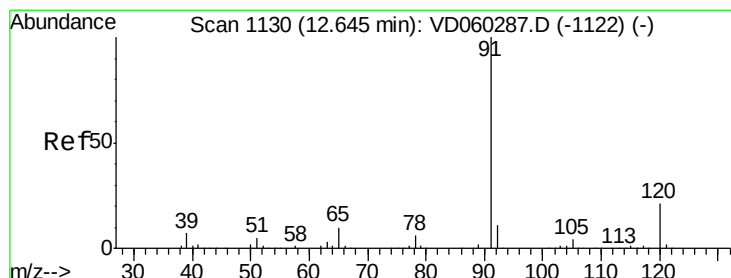
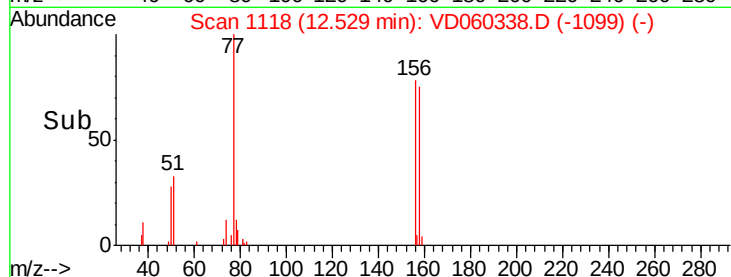
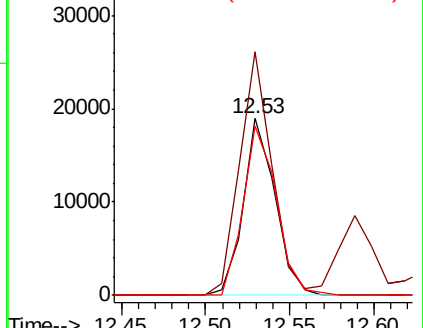
158 96.0 49.2 147.6



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: 37.426 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060338.D

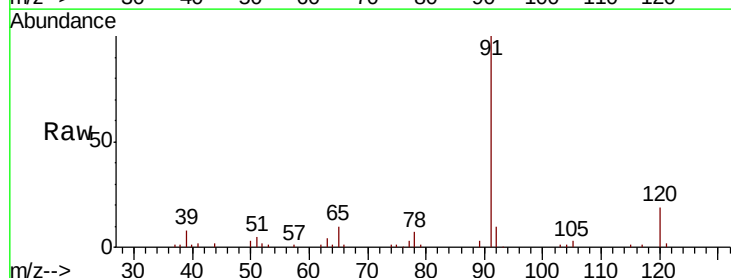
Acq: 12 Nov 2018 15:33

Tgt Ion: 91 Resp: 88024

Ion Ratio Lower Upper

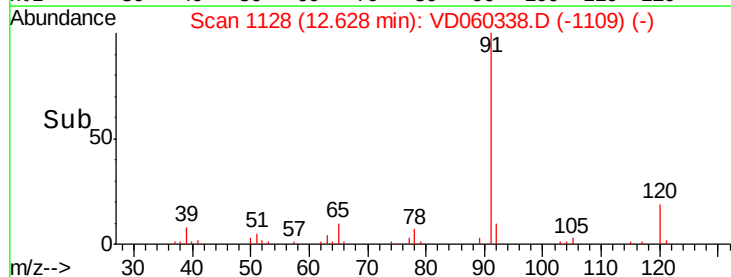
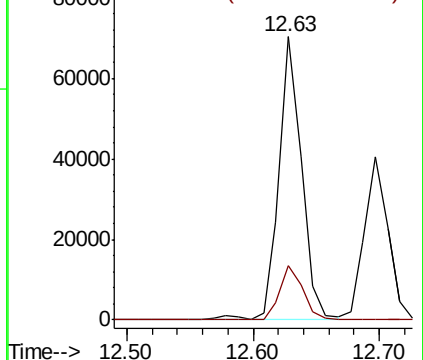
91 100

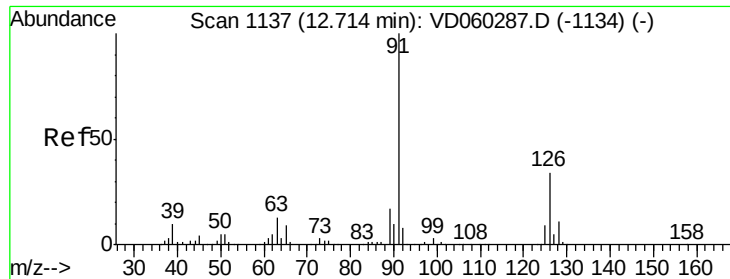
120 19.4 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 41.160 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

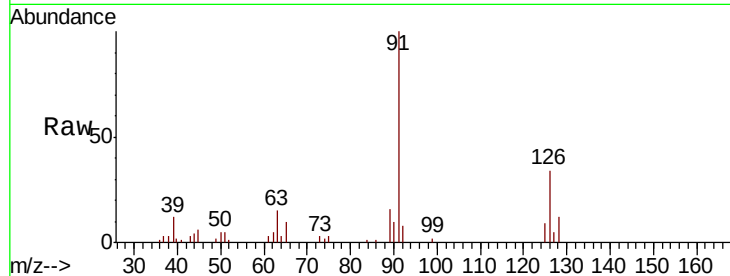
WALL-DMS

Tot Ion: 91 Resp: 53021

Ion Ratio Lower Upper

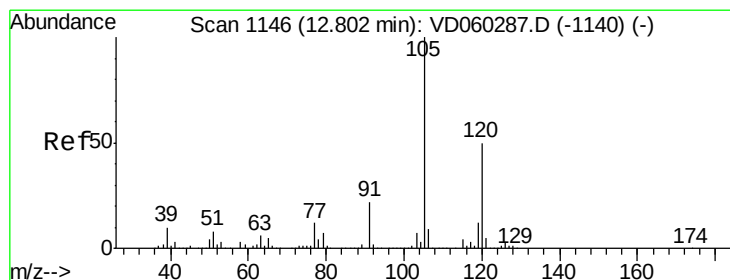
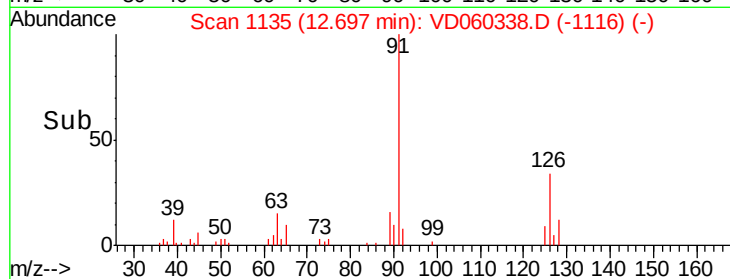
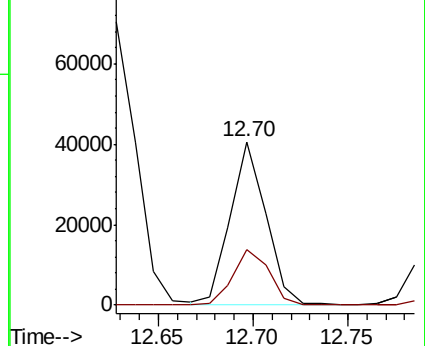
91 100

126 33.7 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VD060287.D (-1134) (-)

Ion 125.95 (125.65 to 126.65): VD060287.D (-1134) (-)



#80

1,3,5-Trimethylbenzene

Concen: 39.659 ug/l

RT: 12.79 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VD060338.D

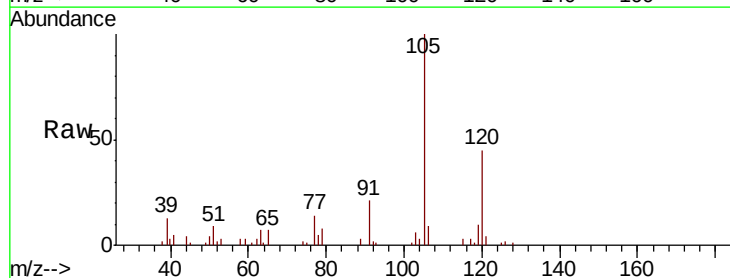
Acq: 12 Nov 2018 15:33

Tgt Ion: 105 Resp: 58077

Ion Ratio Lower Upper

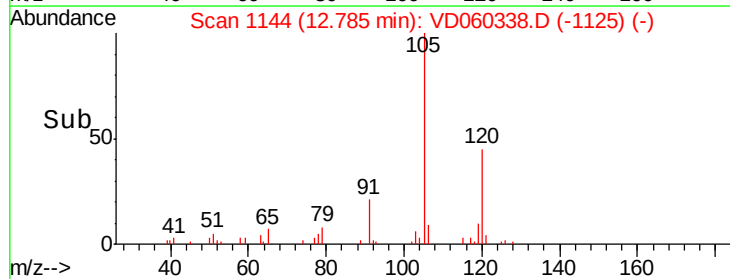
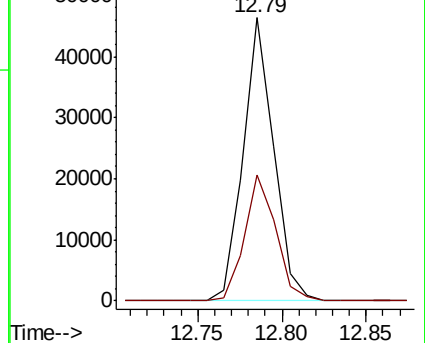
105 100

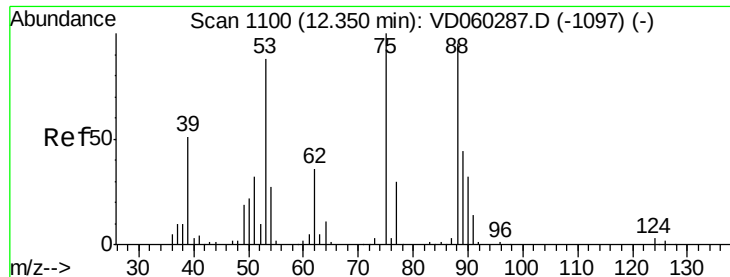
120 44.6 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): VD060287.D (-1140) (-)

Ion 120.05 (119.75 to 120.75): VD060287.D (-1140) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 97.979 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.02 min

Lab File: VD060338.D

Acq: 12 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMS

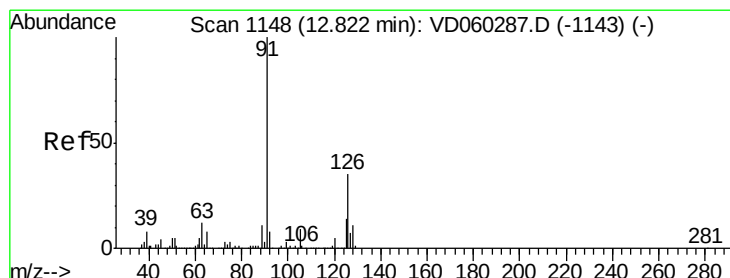
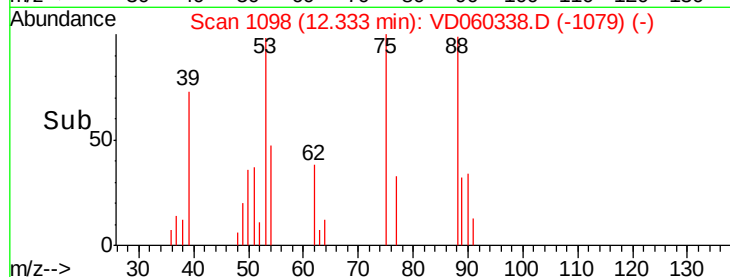
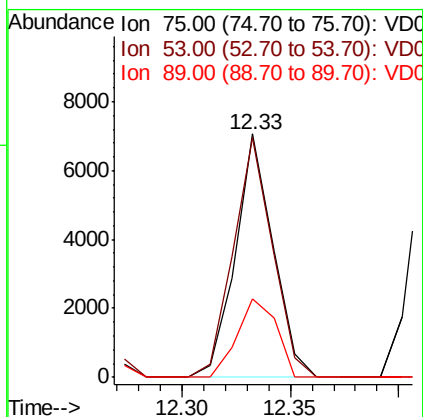
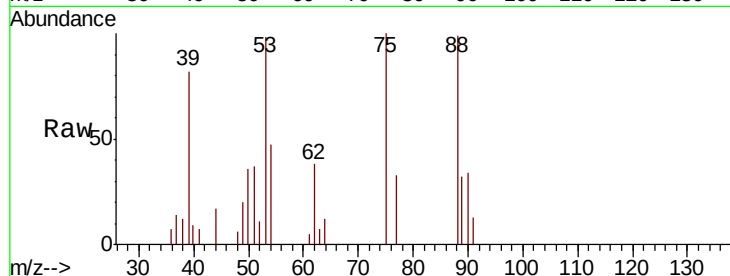
Tot Ion: 75 Resp: 8630

Ion Ratio Lower Upper

75 100

53 98.4 68.6 103.0

89 32.0 34.1 51.1#



#82

4-Chlorotoluene

Concen: 46.654 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.02 min

Lab File: VD060338.D

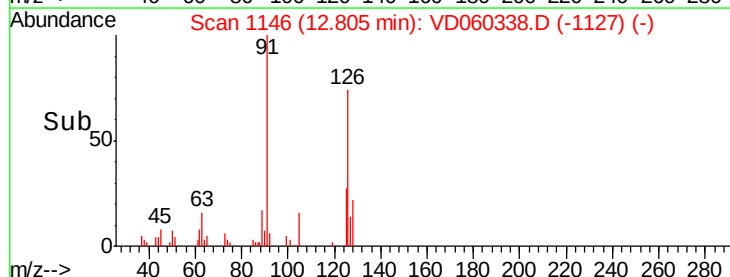
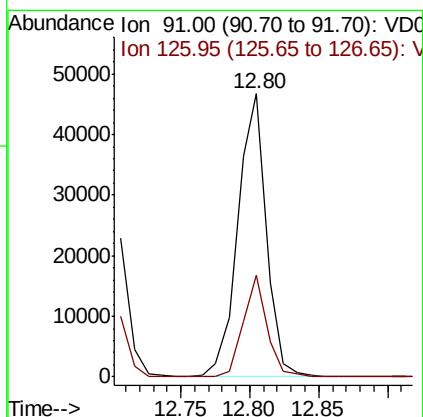
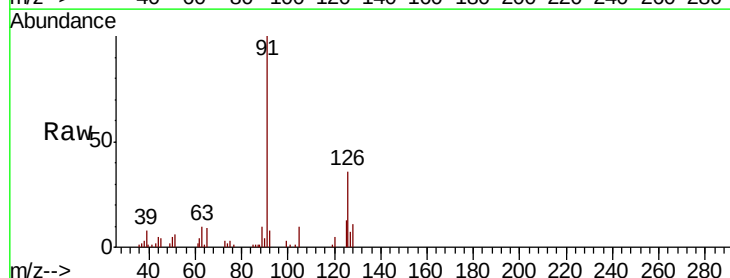
Acq: 12 Nov 2018 15:33

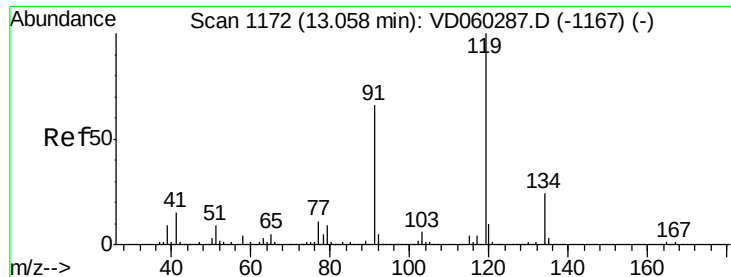
Tgt Ion: 91 Resp: 67509

Ion Ratio Lower Upper

91 100

126 36.0 14.8 44.4

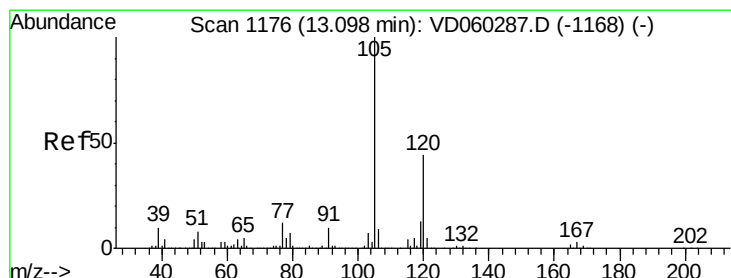
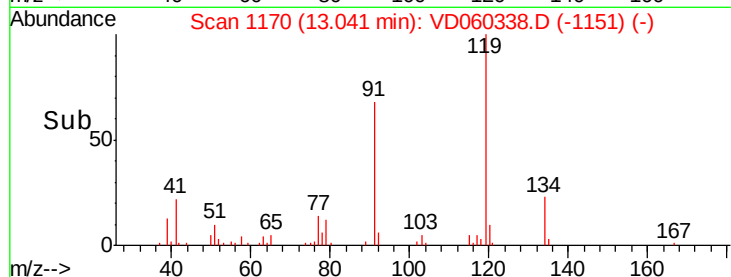
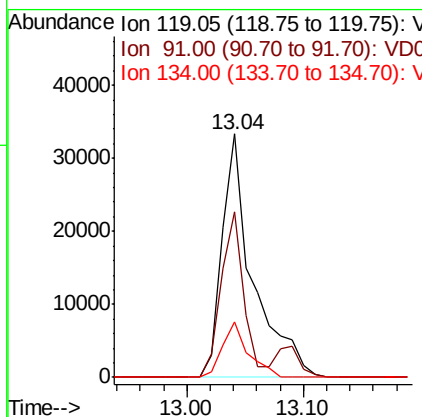
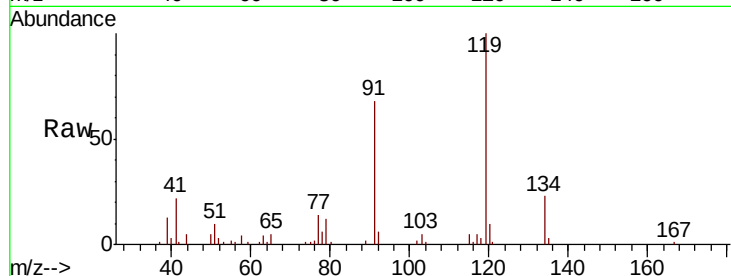




#83
 tert-Butylbenzene
 Concen: 37.585 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

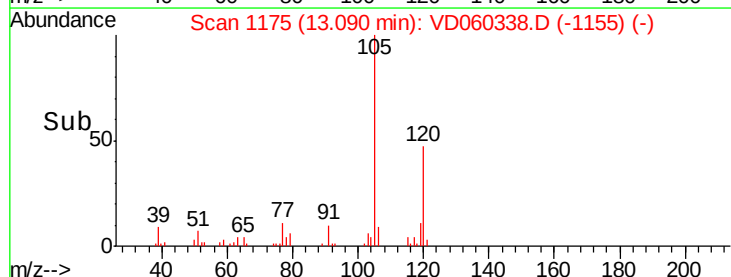
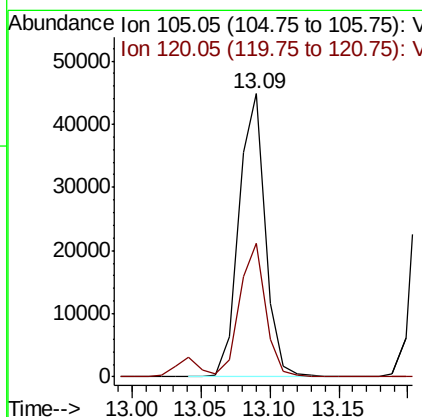
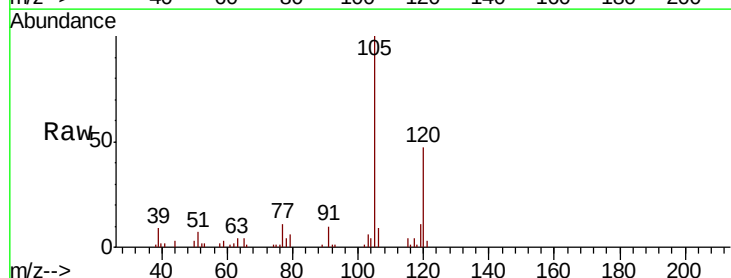
Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMS

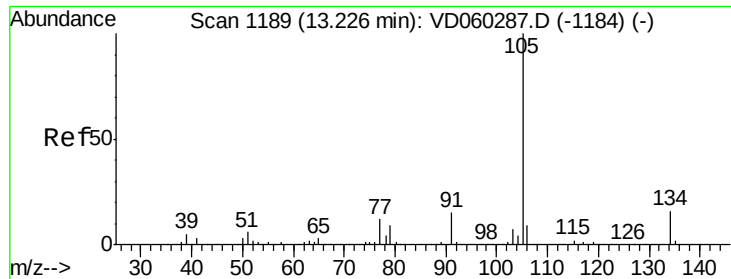
Tot Ion:119 Resp: 61106
 Ion Ratio Lower Upper
 119 100
 91 68.0 32.7 98.1
 134 22.9 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 40.934 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

Tgt Ion:105 Resp: 59865
 Ion Ratio Lower Upper
 105 100
 120 47.3 21.9 65.8

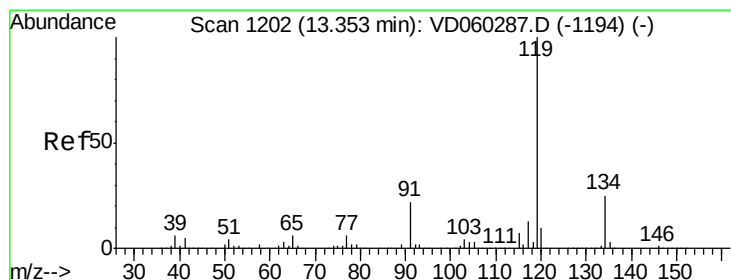
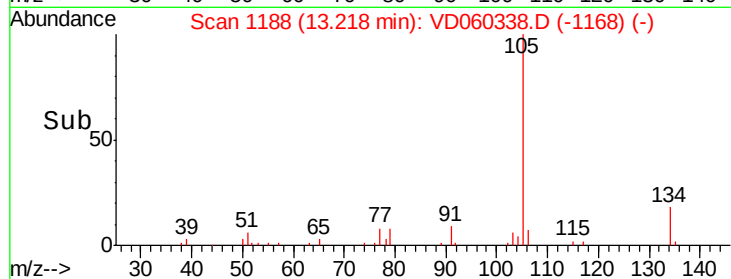
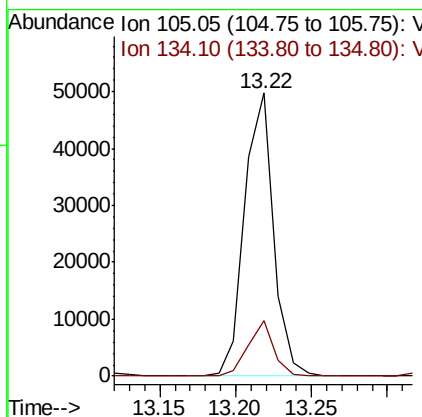
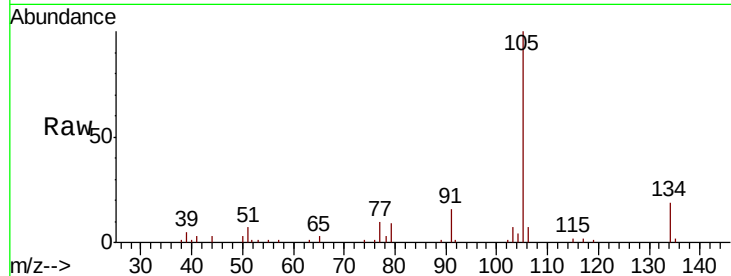




#85
 sec-Butylbenzene
 Concen: 33.153 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

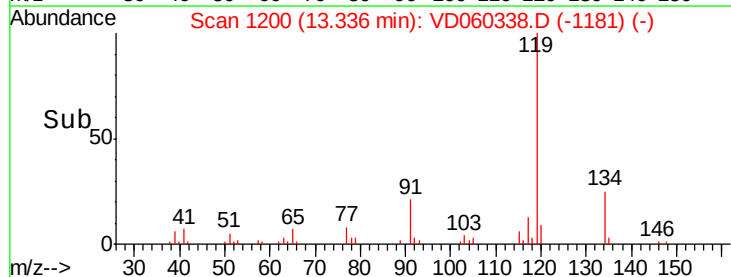
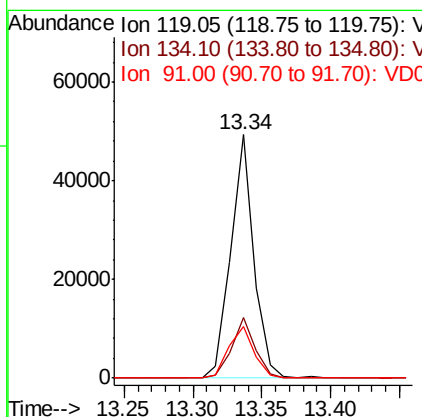
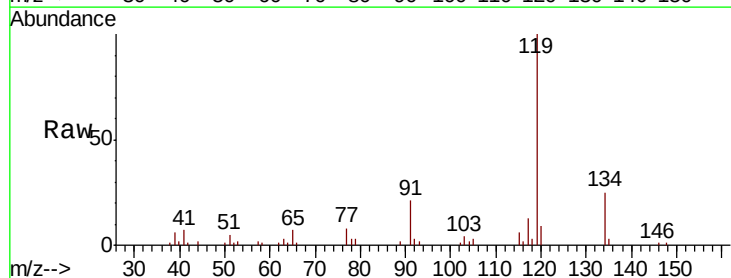
Instrument :
 MSVOA_D
 ClientSampleID :
 WALL-DMS

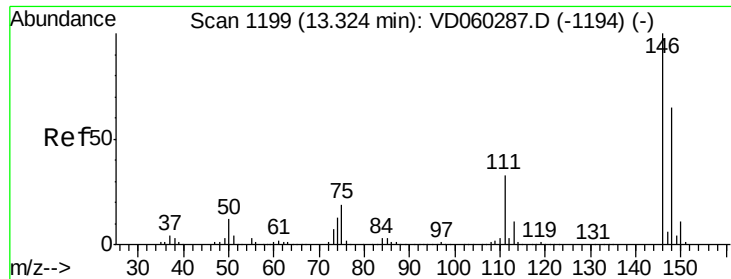
Tot Ion:105 Resp: 66130
 Ion Ratio Lower Upper
 105 100
 134 19.4 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 35.601 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

Tgt Ion:119 Resp: 57186
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.9 38.6
 91 21.4 11.3 33.8

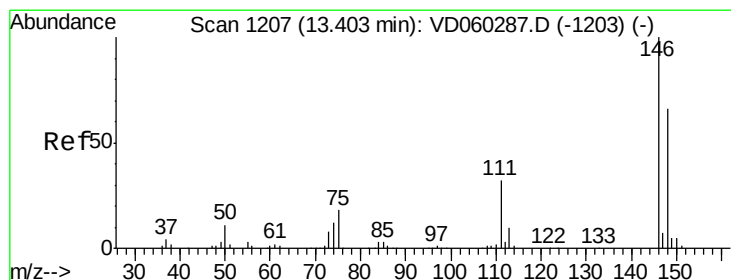
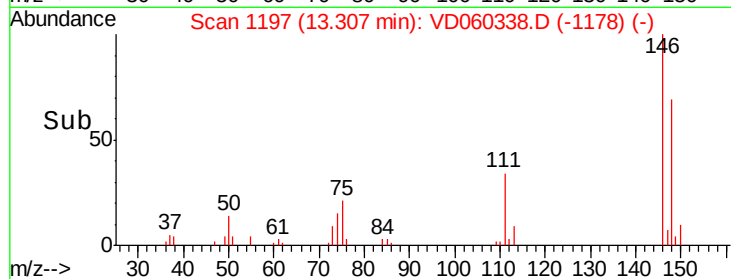
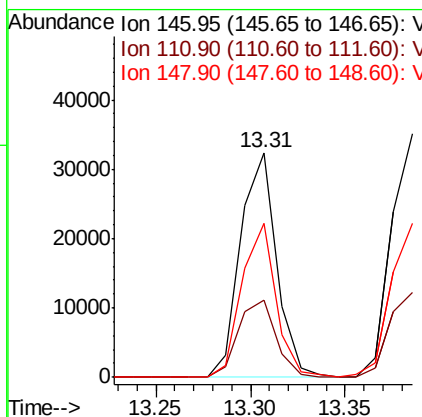
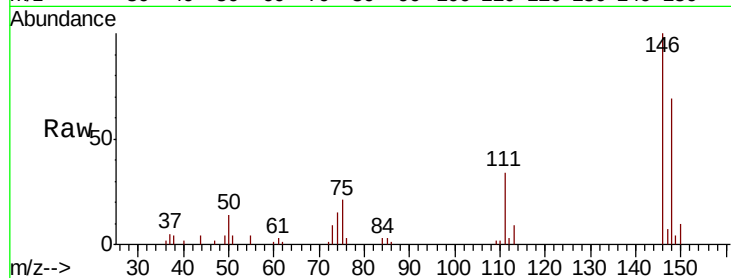




#87
 1,3-Dichlorobenzene
 Concen: 48.120 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

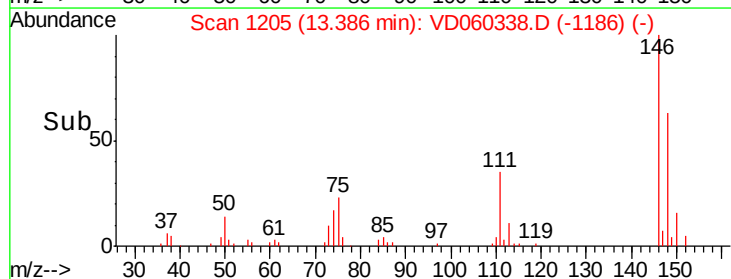
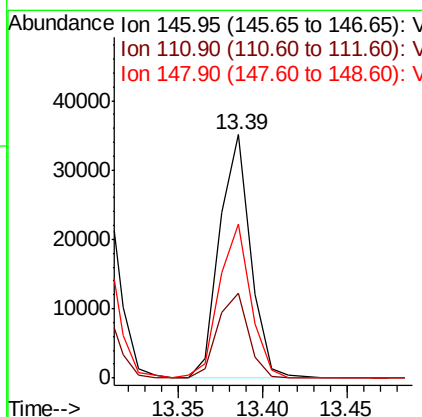
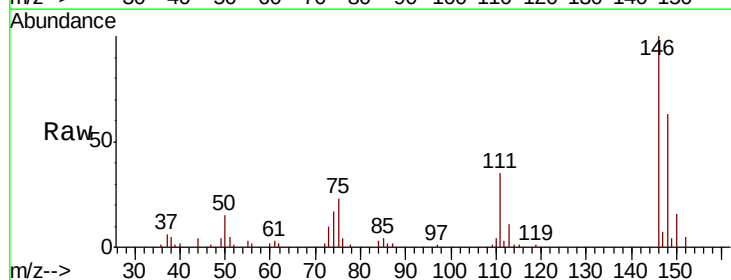
Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMS

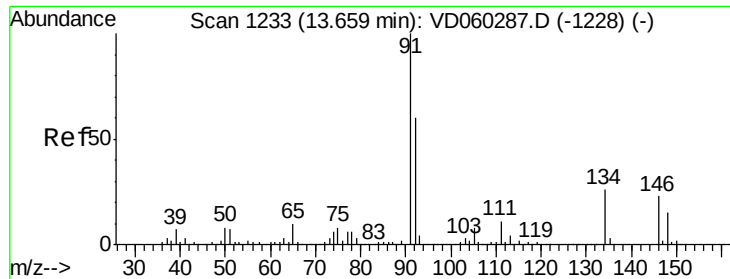
Tot Ion:146 Resp: 42851
 Ion Ratio Lower Upper
 146 100
 111 34.5 20.2 60.5
 148 68.7 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 51.590 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

Tgt Ion:146 Resp: 44868
 Ion Ratio Lower Upper
 146 100
 111 34.8 16.0 47.9
 148 63.5 32.9 98.7

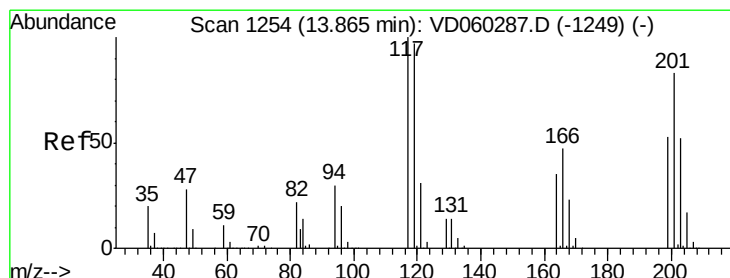
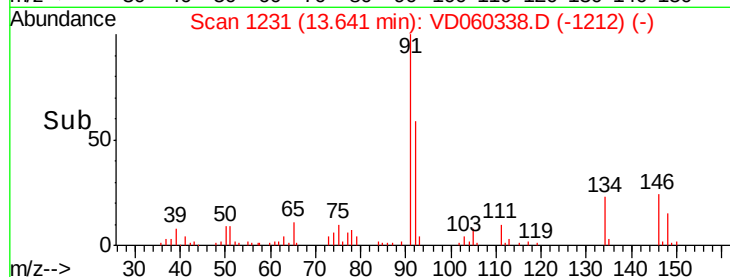
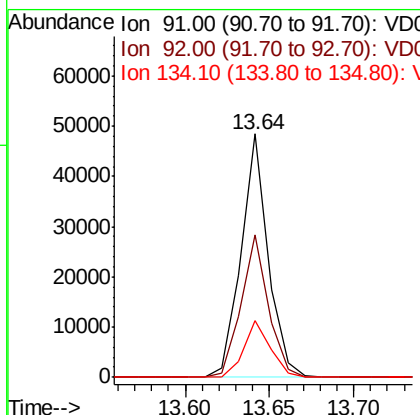
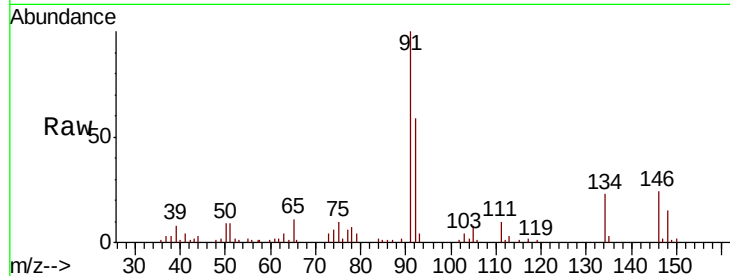




#89
n-Butylbenzene
Concen: 32.357 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

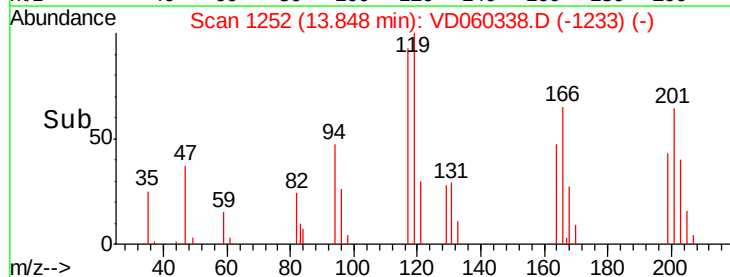
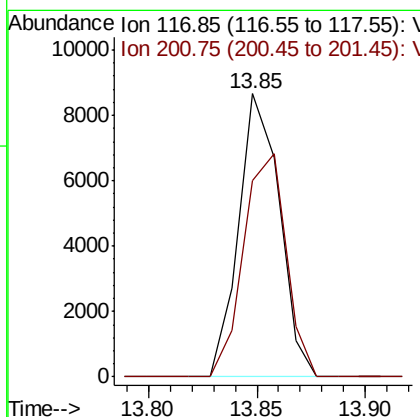
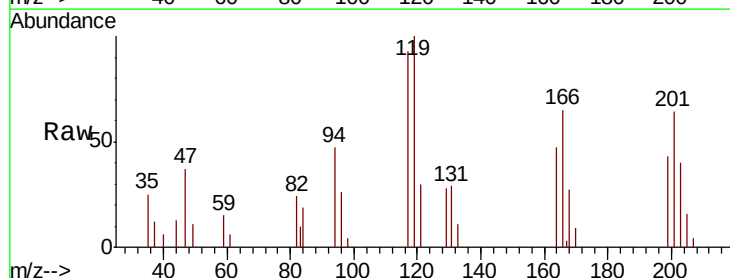
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMS

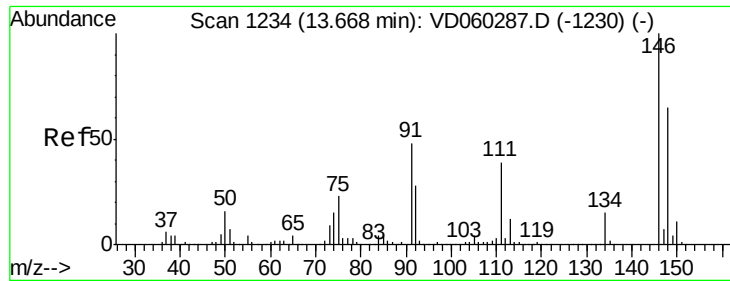
Tot Ion: 91 Resp: 54045
Ion Ratio Lower Upper
91 100
92 58.6 30.3 90.9
134 23.3 13.0 38.9



#90
Hexachloroethane
Concen: 29.759 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.02 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Tgt Ion: 117 Resp: 11335
Ion Ratio Lower Upper
117 100
201 69.2 40.1 120.3

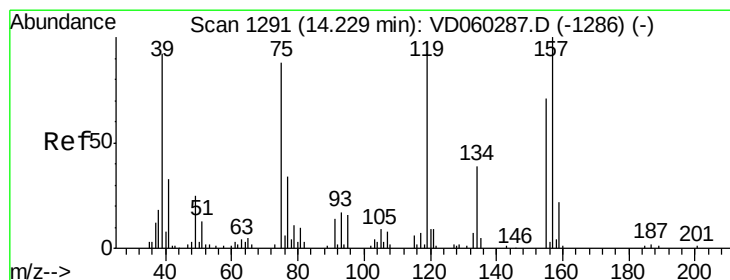
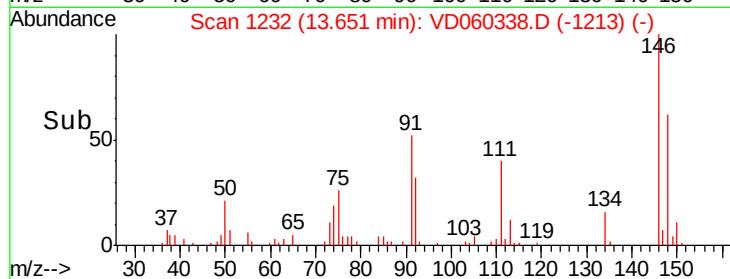
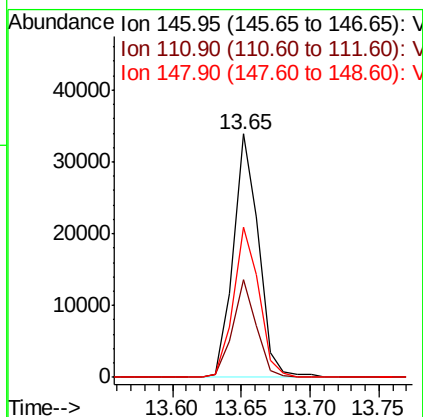
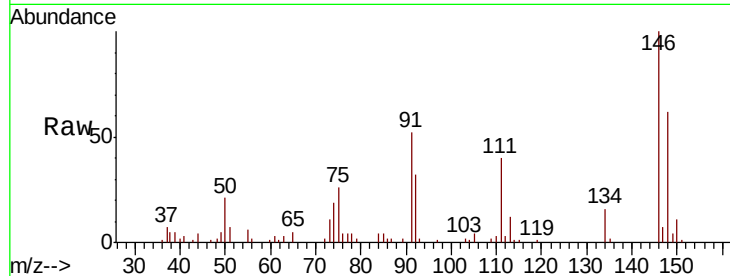




#91
 1,2-Dichlorobenzene
 Concen: 59.296 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

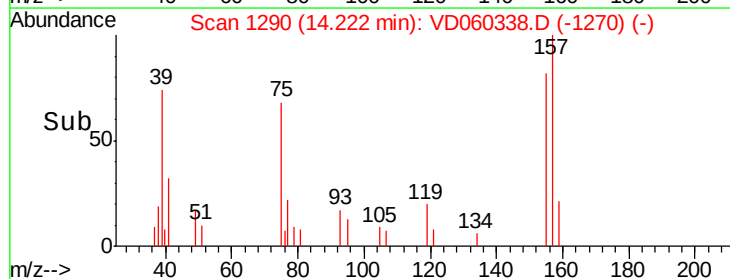
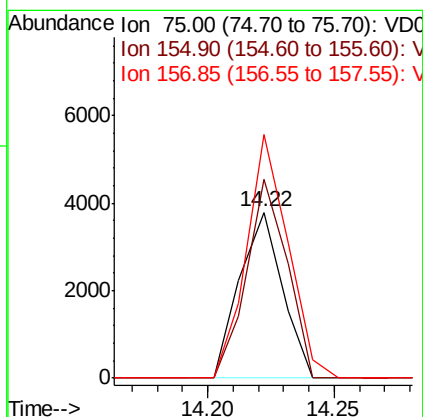
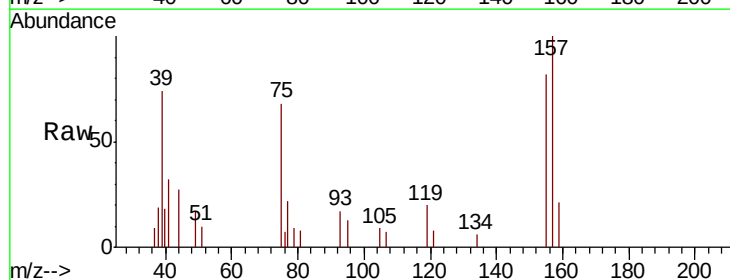
Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMS

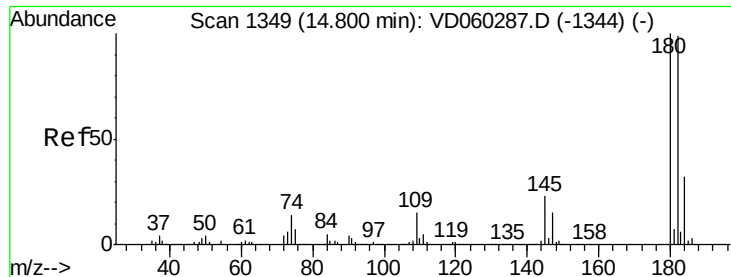
Tot Ion:146 Resp: 43371
 Ion Ratio Lower Upper
 146 100
 111 40.1 18.9 56.9
 148 61.6 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 120.002 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

Tgt Ion: 75 Resp: 4464
 Ion Ratio Lower Upper
 75 100
 155 119.9 64.3 192.9
 157 146.9 81.0 243.1

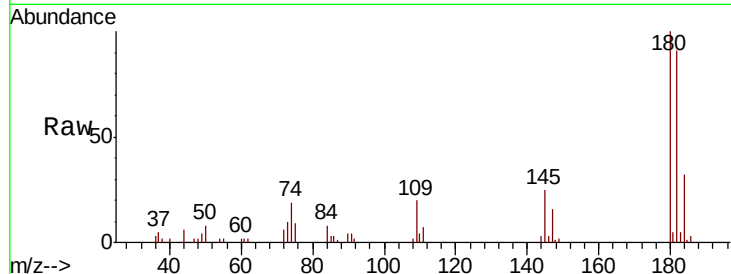




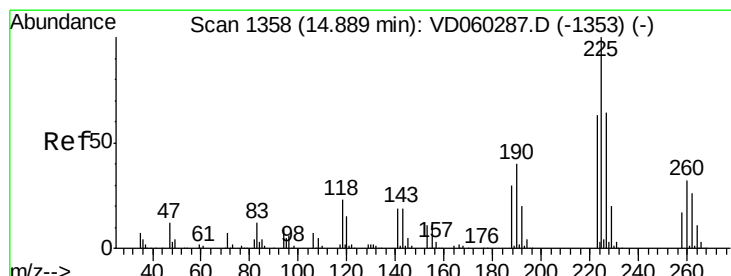
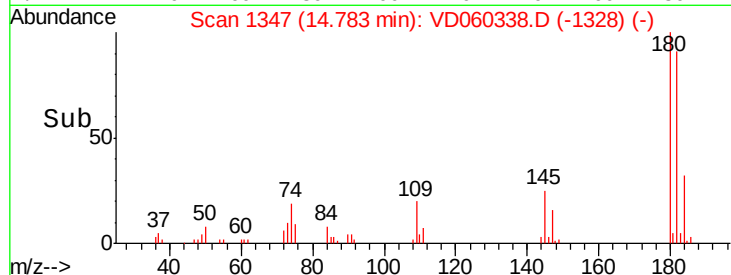
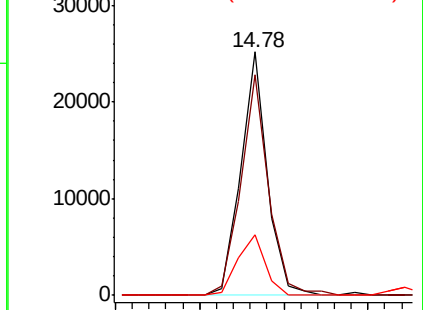
#93
 1,2,4-Trichlorobenzene
 Concen: 47.101 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMS

Tot Ion:180 Resp: 27315
 Ion Ratio Lower Upper
 180 100
 182 90.6 48.1 144.4
 145 24.7 11.5 34.4

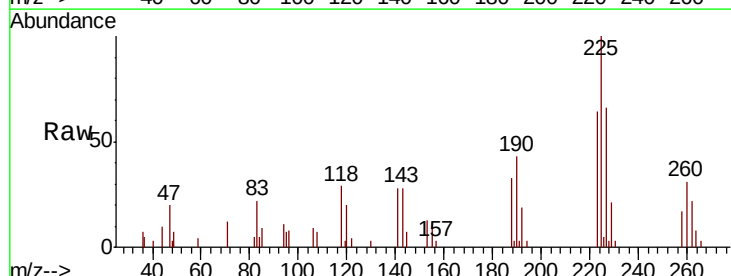


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

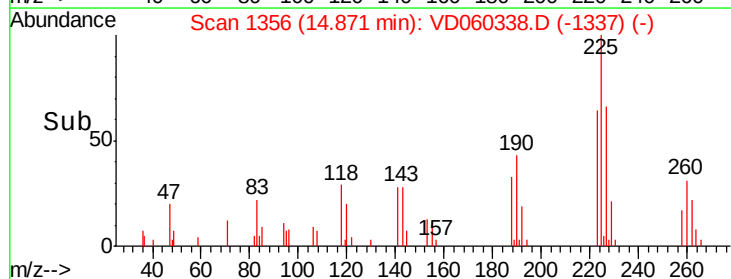
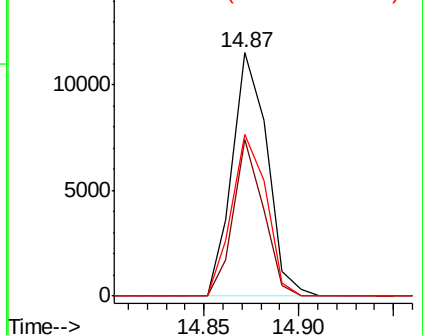


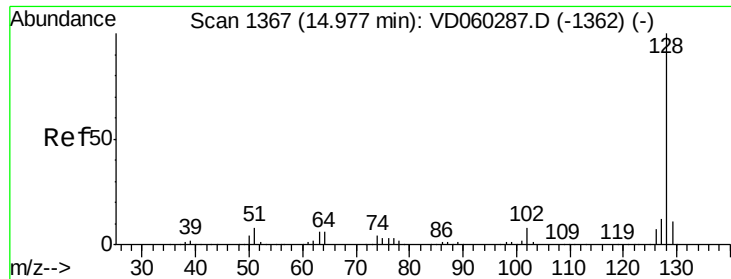
#94
 Hexachlorobutadiene
 Concen: 34.018 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.02 min
 Lab File: VD060338.D
 Acq: 12 Nov 2018 15:33

Tgt Ion:225 Resp: 14756
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.6 94.8
 227 66.5 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

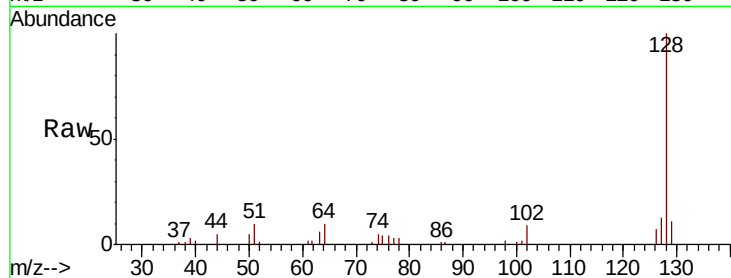




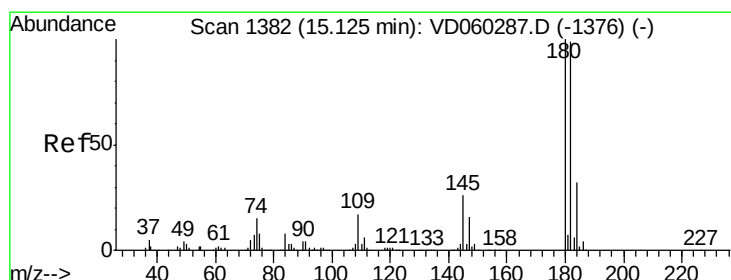
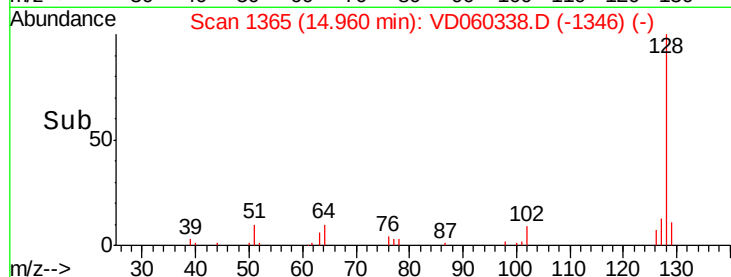
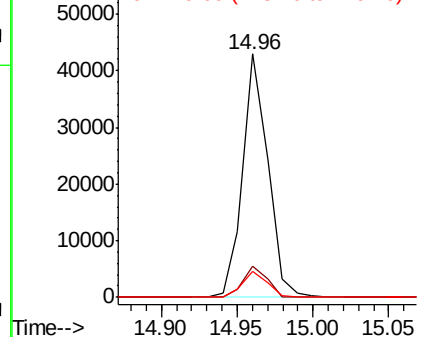
#95
Naphthalene
Concen: 69.891 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMS

Tot Ion:128 Resp: 49492
Ion Ratio Lower Upper
128 100
127 12.6 9.6 14.4
129 10.9 8.6 12.8

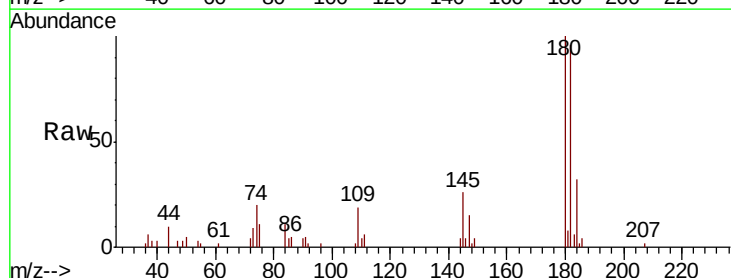


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 47.799 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.02 min
Lab File: VD060338.D
Acq: 12 Nov 2018 15:33

Tgt Ion:180 Resp: 22213
Ion Ratio Lower Upper
180 100
182 96.0 48.9 146.7
145 26.1 12.9 38.6



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

