

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111318\
 Data File : VD060367.D
 Acq On : 13 Nov 2018 18:20
 Operator : JC/SY
 Sample : J5889-09MSD
 Misc : 11.28g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

Quant Time: Nov 14 13:00:46 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	6.41	168	19002	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	31020	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	34567	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	22787	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	21805	160.26	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	320.52%	
35) Dibromofluoromethane	6.32	113	18066	78.10	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	156.20%	
50) Toluene-d8	9.46	98	44946	66.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.78%	
62) 4-Bromofluorobenzene	12.43	95	20957	85.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	170.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.60	85	6050	39.642	ug/l	91
3) Chloromethane	1.76	50	12551	69.730	ug/l	95
4) Vinyl Chloride	1.86	62	6878	46.791	ug/l	98
5) Bromomethane	2.18	94	8386	240.462	ug/l	85
6) Chloroethane	2.27	64	4035	82.729	ug/l #	81
7) Trichlorofluoromethane	2.52	101	9187	53.011	ug/l	95
8) Diethyl Ether	2.83	74	4841	154.285	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.09	101	5228	45.865	ug/l #	76
10) Methyl Iodide	3.27	142	11816	79.813	ug/l	95
11) Tert butyl alcohol	3.97	59	13184	2359.762	ug/l	94
12) 1,1-Dichloroethene	3.08	96	4764	51.382	ug/l #	58
13) Acrolein	2.98	56	7665	1161.072	ug/l	96
14) Allyl chloride	3.53	41	17220	97.066	ug/l #	79
15) Acrylonitrile	4.08	53	72178	2215.380	ug/l	94
16) Acetone	3.16	43	64325	2725.566	ug/l	99
17) Carbon Disulfide	3.33	76	15353	51.301	ug/l	100
18) Methyl Acetate	3.55	43	24832	493.462	ug/l #	92
19) Methyl tert-butyl Ether	4.12	73	46492	167.460	ug/l	98
20) Methylene Chloride	3.73	84	23614	112.793	ug/l	98
21) trans-1,2-Dichloroethene	4.10	96	11994	58.261	ug/l	93
22) Diisopropyl ether	4.85	45	76871	115.981	ug/l #	83
23) Vinyl Acetate	4.80	43	261684	793.476	ug/l	99
24) 1,1-Dichloroethane	4.75	63	26185	77.042	ug/l #	95
25) 2-Butanone	5.62	43	107440	2190.180	ug/l	96
26) 2,2-Dichloropropane	5.59	77	13466	50.961	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	17197	80.185	ug/l	97
28) Bromochloromethane	5.92	49	21489	143.294	ug/l	93
29) Tetrahydrofuran	5.95	42	62282	2408.120	ug/l	98
30) Chloroform	6.10	83	31184	91.778	ug/l	93
31) Cyclohexane	6.37	56	11790	36.294	ug/l	95
32) 1,1,1-Trichloroethane	6.30	97	15230	53.213	ug/l	95
36) 1,1-Dichloropropene	6.52	75	12837	41.888	ug/l	92
37) Ethyl Acetate	5.70	43	49153	348.548	ug/l #	93
38) Carbon Tetrachloride	6.50	117	10814	38.039	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	10691	30.331	ug/l	95
40) Benzene	6.79	78	53564	68.471	ug/l	99
41) Methacrylonitrile	5.94	41	57725	357.636	ug/l #	95
42) 1,2-Dichloroethane	6.89	62	25373	123.917	ug/l	95
43) Isopropyl Acetate	8.35	43	51150	288.752	ug/l #	94
44) Trichloroethene	7.73	130	12481	52.632	ug/l	86
45) 1,2-Dichloropropane	8.10	63	16012	81.158	ug/l	98
46) Dibromomethane	8.22	93	17156	148.471	ug/l	95
47) Bromodichloromethane	8.49	83	24950	91.629	ug/l	95
48) Methyl methacrylate	8.25	41	26228	243.755	ug/l	95
49) 1,4-Dioxane	8.23	88	7491	8046.307	ug/l	90
51) 4-Methyl-2-Pentanone	9.34	43	195067	1691.898	ug/l	99
52) Toluene	9.55	92	39577	79.200	ug/l	90
53) t-1,3-Dichloropropene	9.92	75	23475	102.035	ug/l	91
54) cis-1,3-Dichloropropene	9.10	75	24619	83.430	ug/l	93
55) 1,1,2-Trichloroethane	10.19	97	20735	143.163	ug/l	96
56) Ethyl methacrylate	10.03	69	21502	161.465	ug/l	89
57) 1,3-Dichloropropane	10.38	76	32603	147.729	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.93	63	69156	858.868	ug/l	94
59) 2-Hexanone	10.49	43	149663	1821.273	ug/l	100
60) Dibromochloromethane	10.64	129	21571	122.521	ug/l	96
61) 1,2-Dibromoethane	10.76	107	25140	173.240	ug/l	100
64) Tetrachloroethene	10.25	164	13876	44.965	ug/l	95
65) Chlorobenzene	11.32	112	41731	55.718	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.42	131	16324	66.613	ug/l	94
67) Ethyl Benzene	11.43	91	59654	46.560	ug/l	92
68) m/p-Xylenes	11.56	106	48967	103.607	ug/l	95
69) o-Xylene	11.94	106	22600	49.497	ug/l	96
70) Styrene	11.96	104	37331	50.591	ug/l	97
71) Bromoform	12.11	173	18318	111.240	ug/l	99
73) Isopropylbenzene	12.27	105	48010	28.918	ug/l	95
74) N-amyl acetate	12.13	43	43180	101.447	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.57	83	39082	143.940	ug/l	95
76) 1,2,3-Trichloropropane	12.60	75	36820	135.077	ug/l	90
77) Bromobenzene	12.54	156	21723	49.259	ug/l	84
78) n-propylbenzene	12.64	91	67314	32.484	ug/l	94
79) 2-Chlorotoluene	12.70	91	45350	39.958	ug/l	92
80) 1,3,5-Trimethylbenzene	12.79	105	46518	36.054	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	8091	104.259	ug/l #	80
82) 4-Chlorotoluene	12.81	91	53692	42.114	ug/l	93
83) tert-Butylbenzene	13.05	119	46652	32.568	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	59067	45.840	ug/l	98
85) sec-Butylbenzene	13.23	105	42652	24.269	ug/l	87
86) p-Isopropyltoluene	13.34	119	40711	28.766	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	37724	48.081	ug/l	90
88) 1,4-Dichlorobenzene	13.39	146	41167	53.725	ug/l	94
89) n-Butylbenzene	13.65	91	41249	27.465	ug/l	97
90) Hexachloroethane	13.86	117	9468	28.213	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	38802	60.210	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	5879	179.374	ug/l	71

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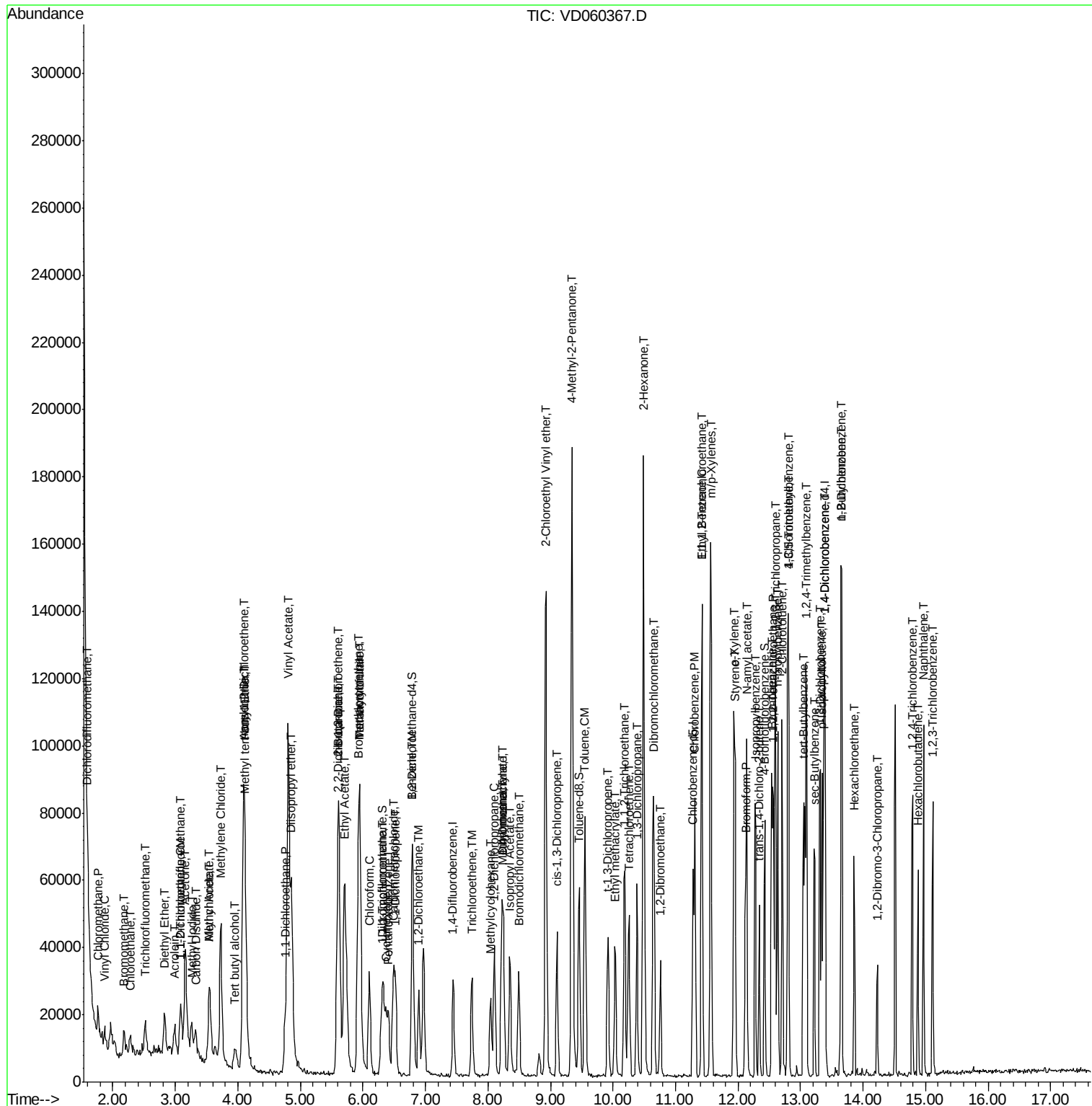
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	23787	46.554	ug/l	98
94) Hexachlorobutadiene	14.88	225	10085	26.388	ug/l	98
95) Naphthalene	14.97	128	54011	86.568	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	22161	54.125	ug/l	99

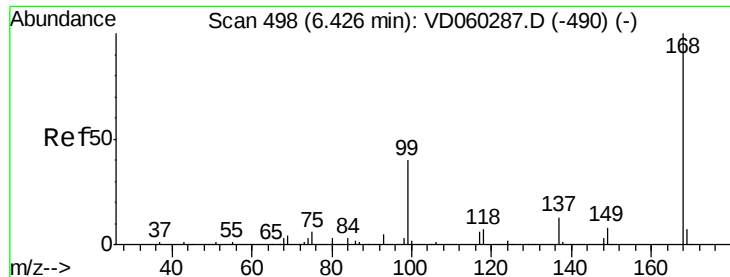
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

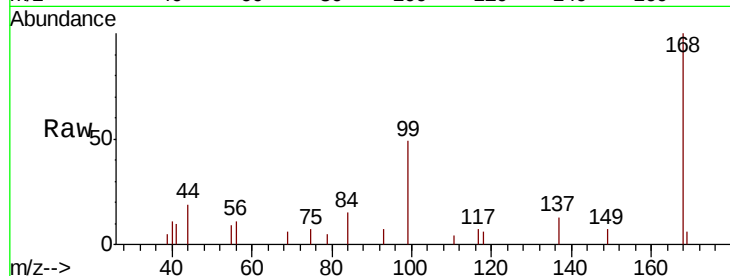
WALL-DMSD

Tot Ion:168 Resp: 19002

Ion Ratio Lower Upper

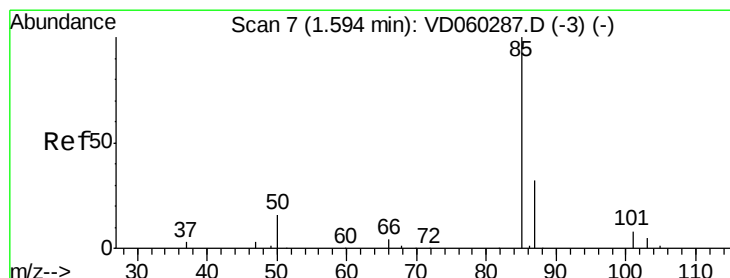
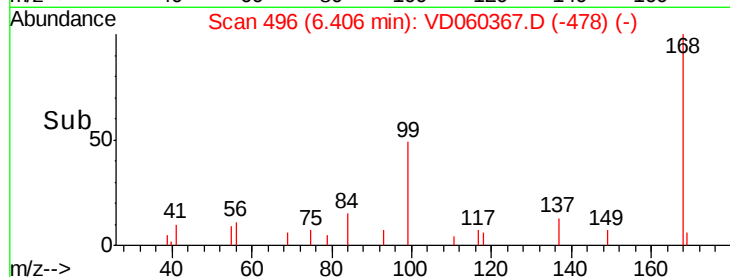
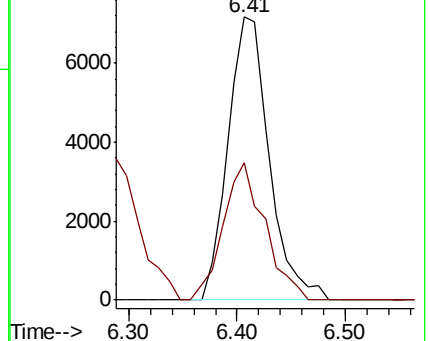
168 100

99 48.8 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 39.642 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060367.D

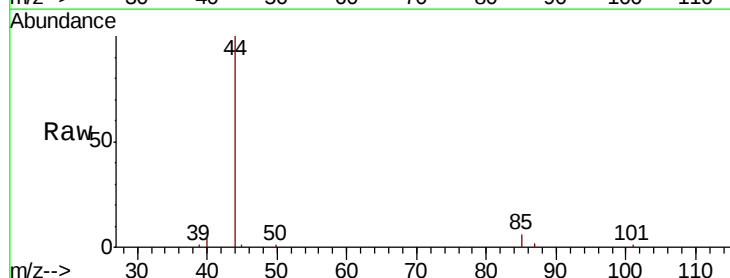
Acq: 13 Nov 2018 18:20

Tgt Ion: 85 Resp: 6050

Ion Ratio Lower Upper

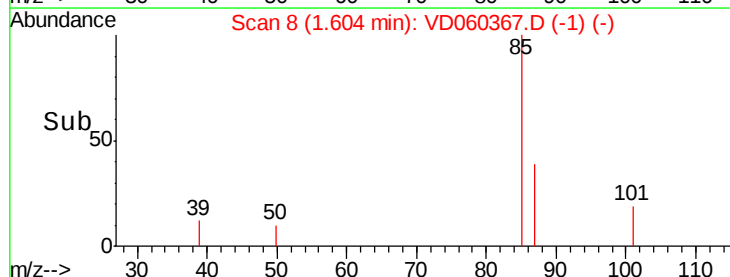
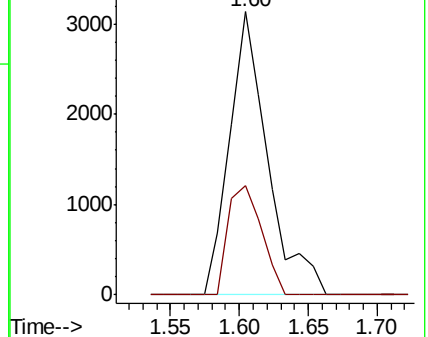
85 100

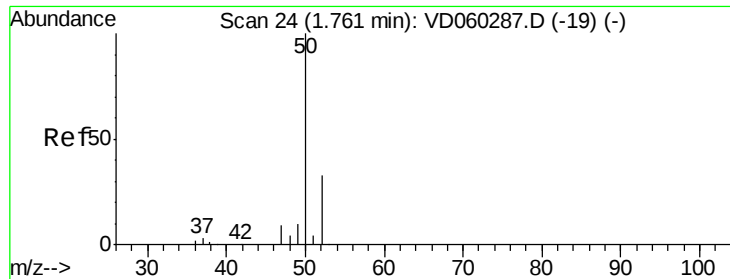
87 38.8 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 69.730 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.00 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

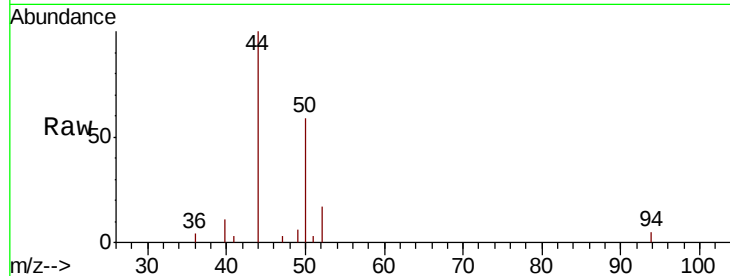
WALL-DMSD

Tot Ion: 50 Resp: 12551

Ion Ratio Lower Upper

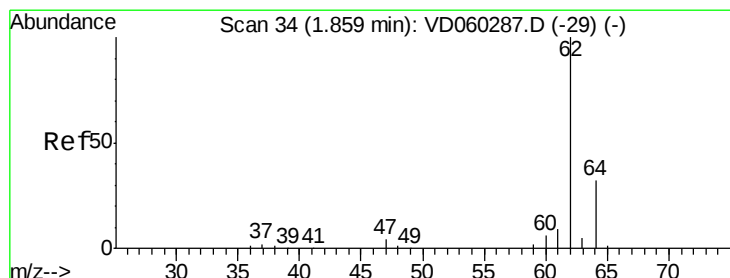
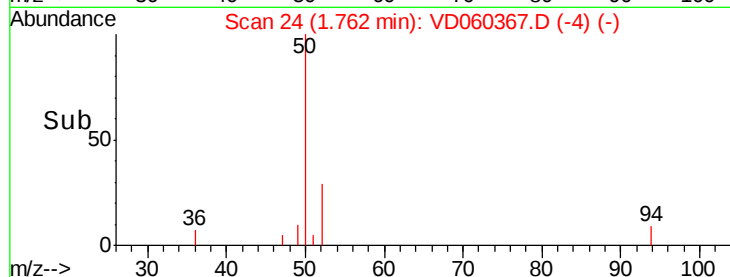
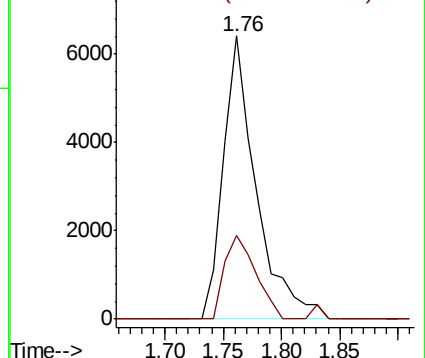
50 100

52 29.4 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: 46.791 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060367.D

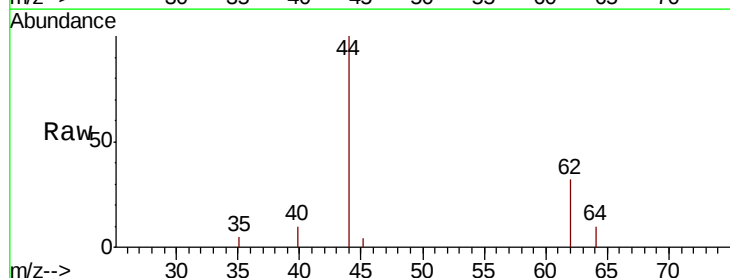
Acq: 13 Nov 2018 18:20

Tgt Ion: 62 Resp: 6878

Ion Ratio Lower Upper

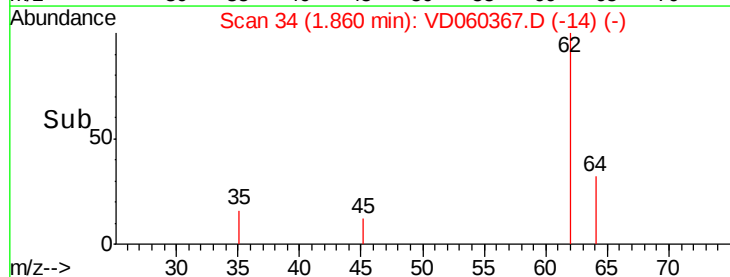
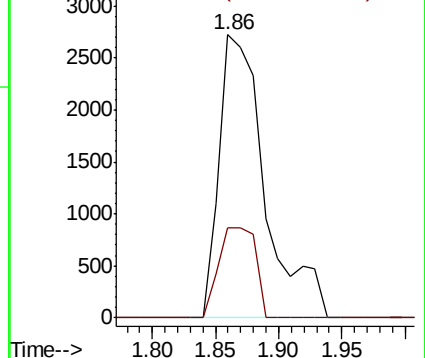
62 100

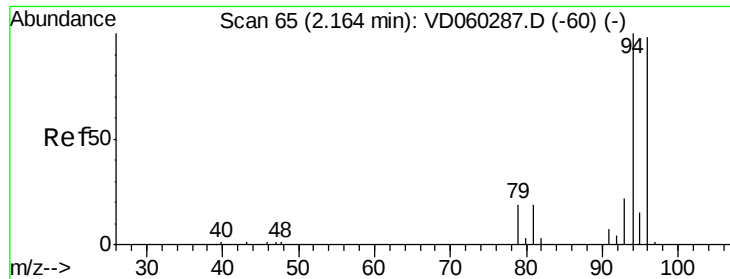
64 32.0 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 240.462 ug/l

RT: 2.18 min Scan# 67

Delta R.T. 0.02 min

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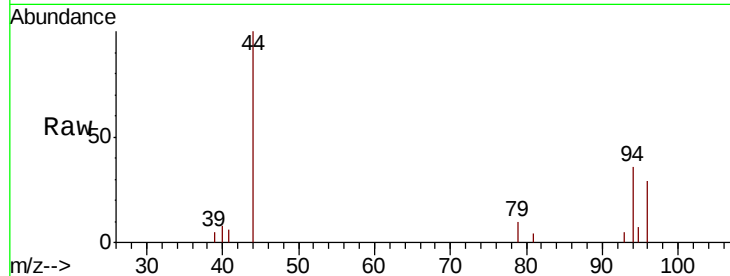
WALL-DMSD

Tot Ion: 94 Resp: 8386

Ion Ratio Lower Upper

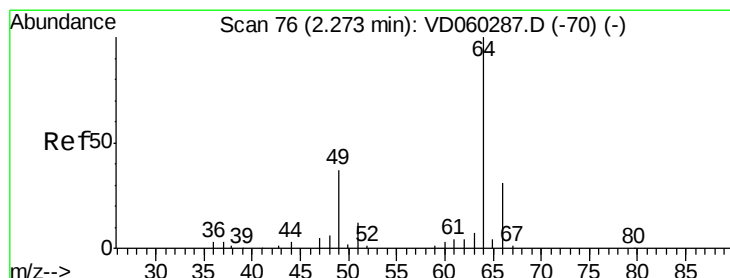
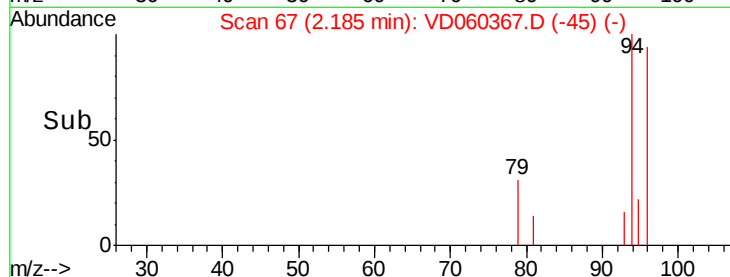
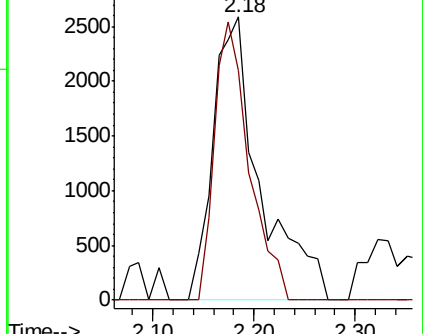
94 100

96 81.3 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: 82.729 ug/l

RT: 2.27 min Scan# 76

Delta R.T. 0.00 min

Lab File: VD060367.D

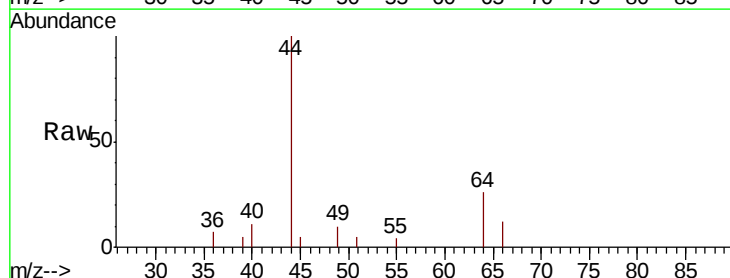
Acq: 13 Nov 2018 18:20

Tgt Ion: 64 Resp: 4035

Ion Ratio Lower Upper

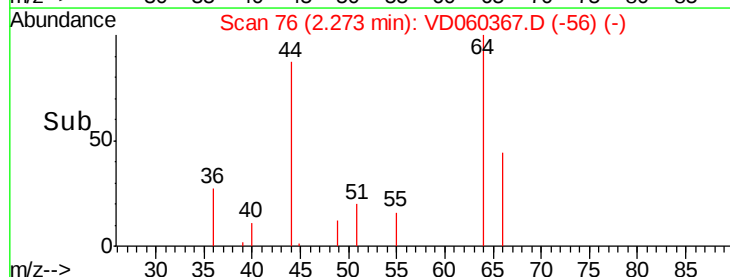
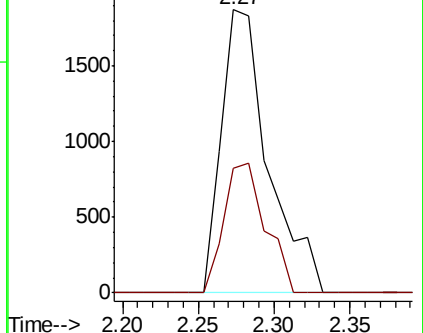
64 100

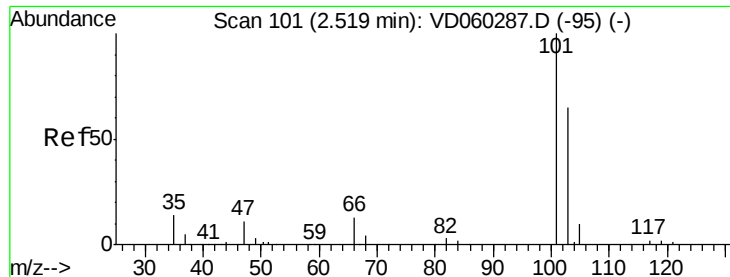
66 44.0 26.6 40.0#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



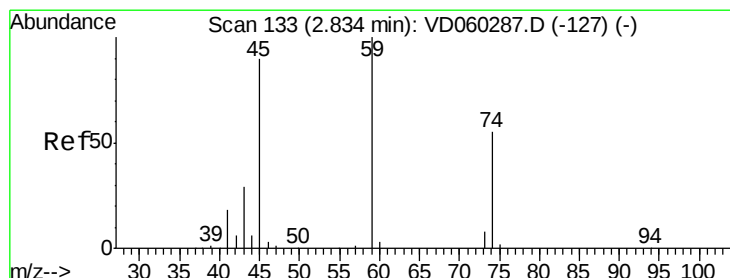
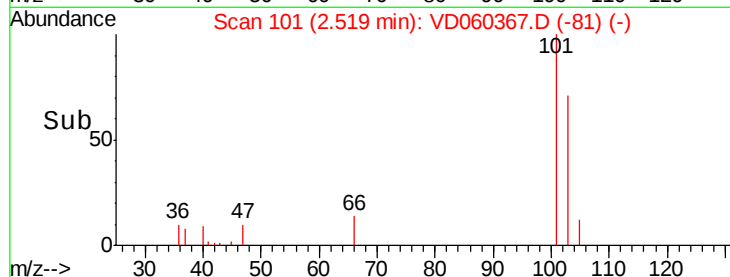
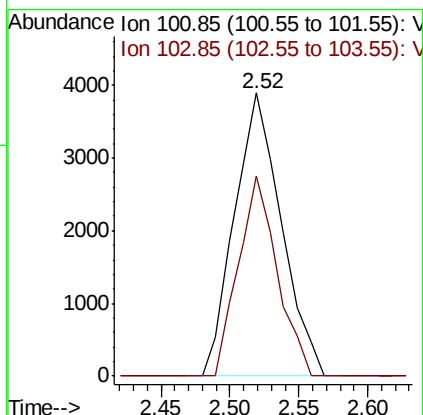
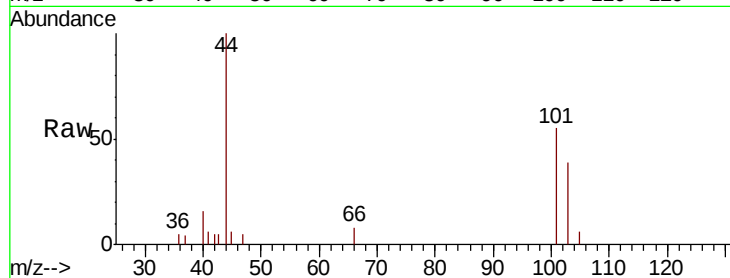


#7

Trichlorofluoromethane
 Concen: 53.011 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. 0.00 min
 Lab File: VD060367.D
 Acq: 13 Nov 2018 18:20

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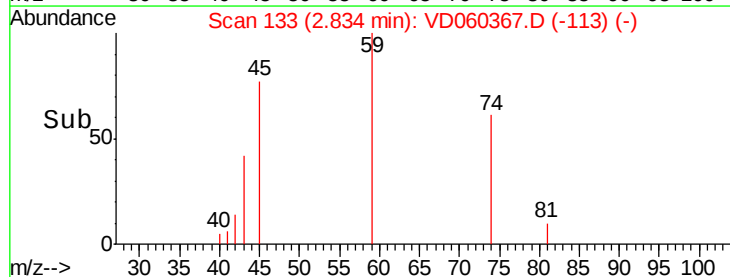
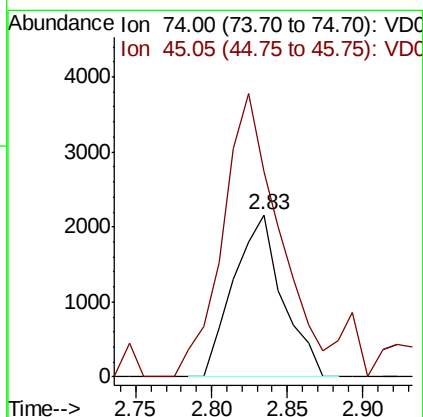
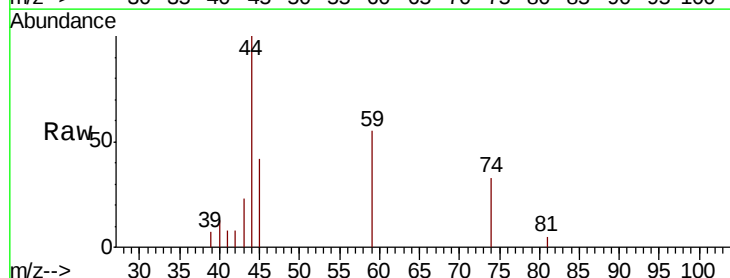
Tot Ion:101 Resp: 9187
 Ion Ratio Lower Upper
 101 100
 103 70.7 53.6 80.4

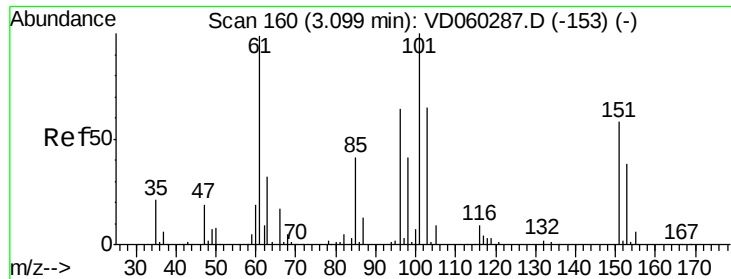


#8

Diethyl Ether
 Concen: 154.285 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. 0.00 min
 Lab File: VD060367.D
 Acq: 13 Nov 2018 18:20

Tgt Ion: 74 Resp: 4841
 Ion Ratio Lower Upper
 74 100
 45 126.4 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.865 ug/l

RT: 3.09 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

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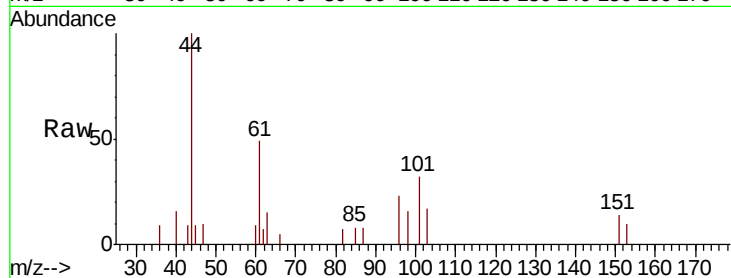
Tot Ion:101 Resp: 5228

Ion Ratio Lower Upper

101 100

85 23.6 31.4 47.0#

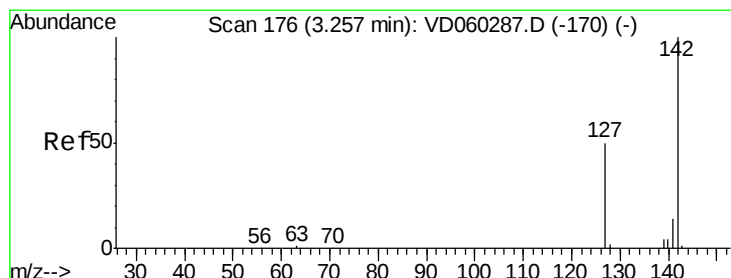
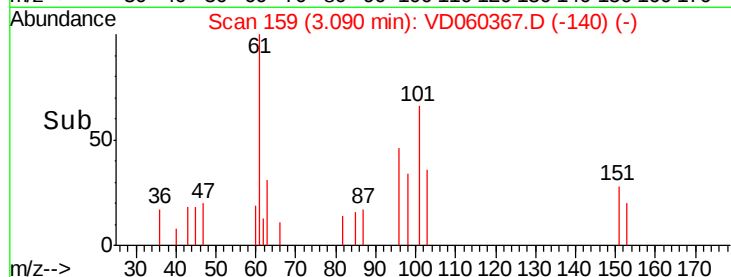
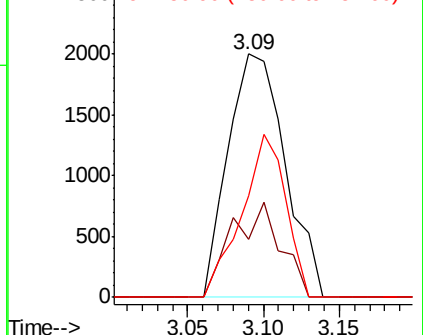
151 41.9 47.4 71.0#



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 79.813 ug/l

RT: 3.27 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

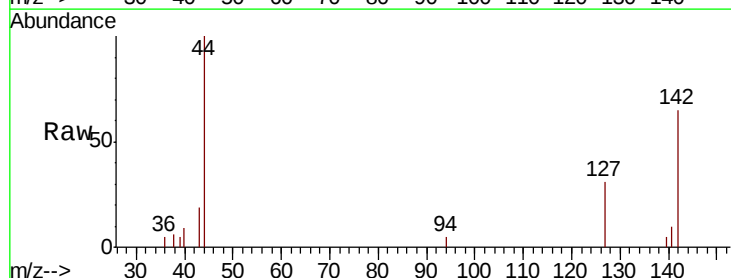
Tgt Ion:142 Resp: 11816

Ion Ratio Lower Upper

142 100

127 47.0 41.0 61.6

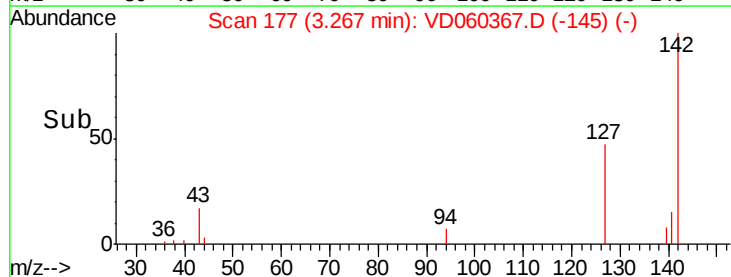
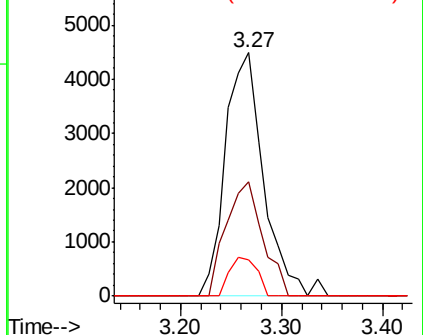
141 14.8 11.9 17.9

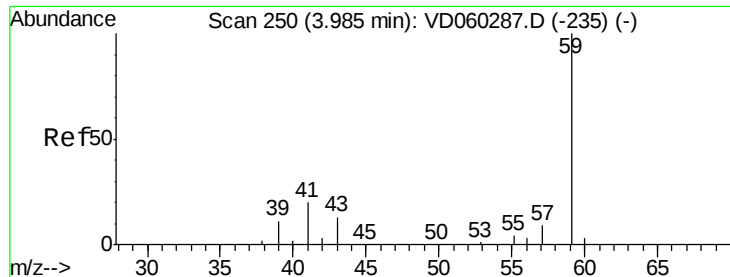


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

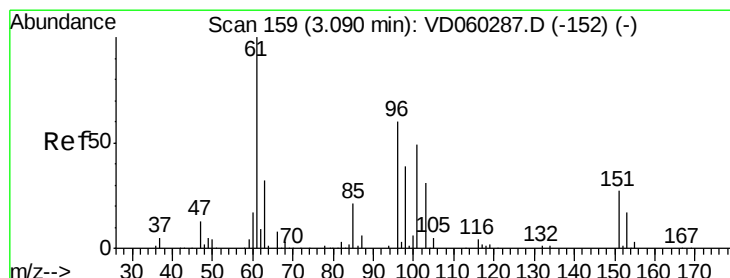
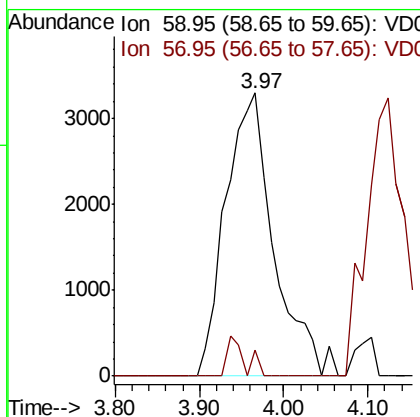
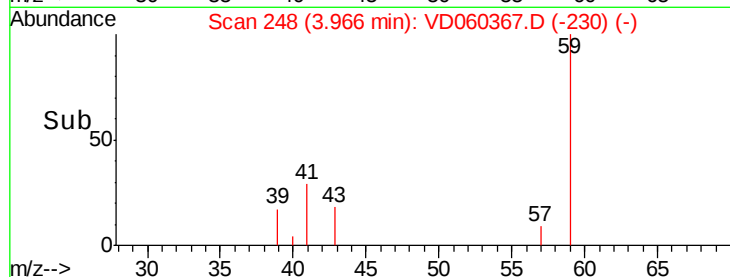
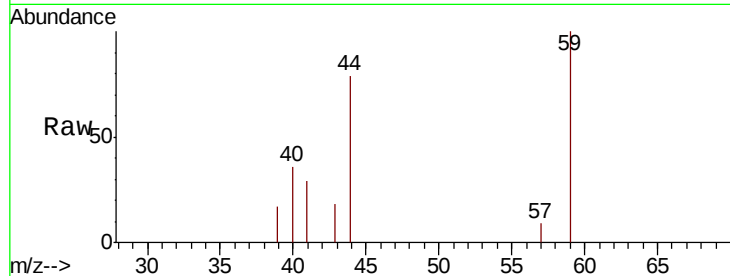




#11
Tert butyl alcohol
Concen: 2359.762 ug/l
RT: 3.97 min Scan# 248
Delta R.T. -0.02 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

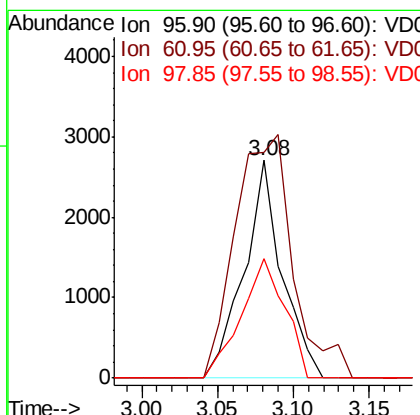
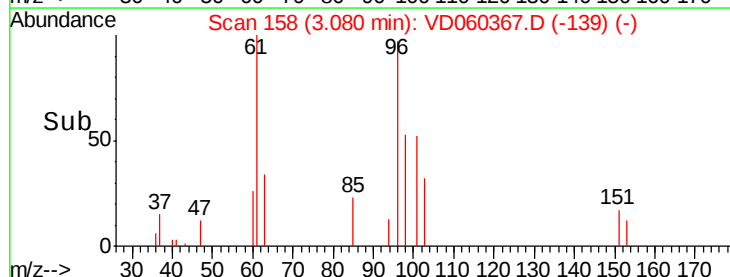
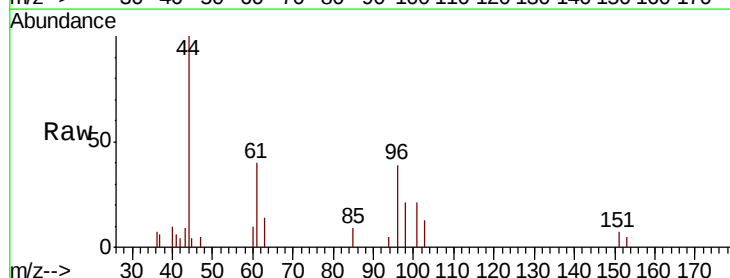
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

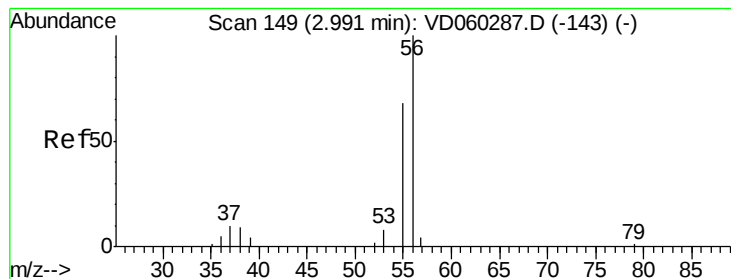
Tot Ion: 59 Resp: 13184
Ion Ratio Lower Upper
59 100
57 9.4 9.3 13.9



#12
1,1-Dichloroethene
Concen: 51.382 ug/l
RT: 3.08 min Scan# 158
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Tgt Ion: 96 Resp: 4764
Ion Ratio Lower Upper
96 100
61 103.6 142.2 213.4#
98 54.8 52.6 79.0





#13

Acrolein

Concen: 1161.072 ug/l

RT: 2.98 min Scan# 148

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

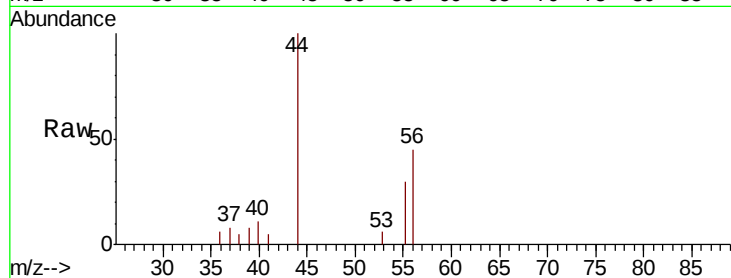
WALL-DMSD

Tot Ion: 56 Resp: 7665

Ion Ratio Lower Upper

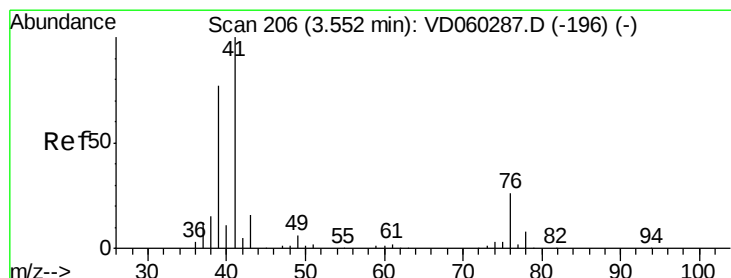
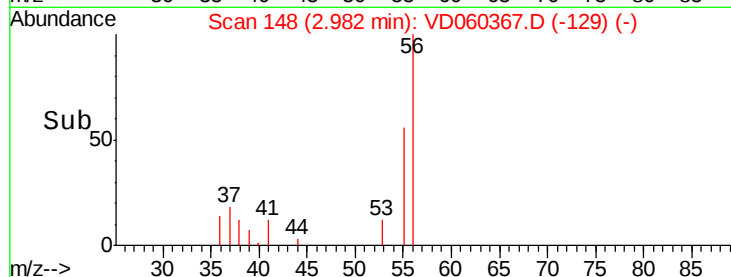
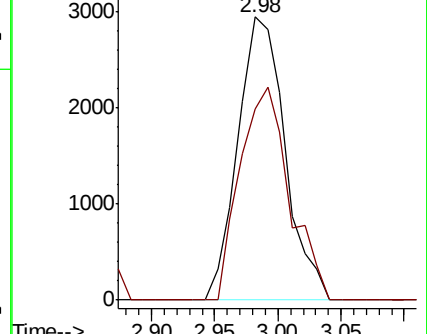
56 100

55 67.6 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 97.066 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

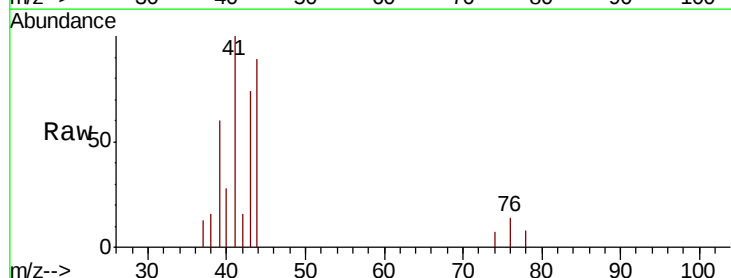
Tgt Ion: 41 Resp: 17220

Ion Ratio Lower Upper

41 100

39 59.6 60.4 90.6#

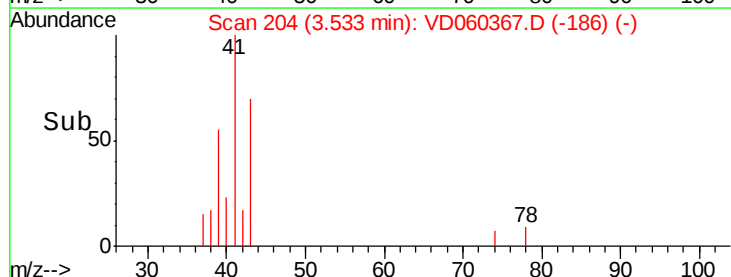
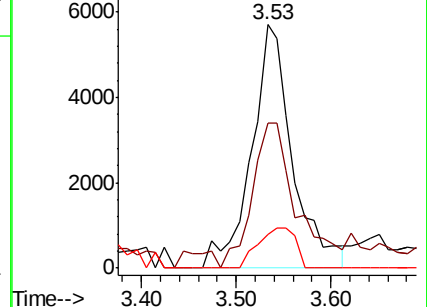
76 14.0 21.8 32.8#

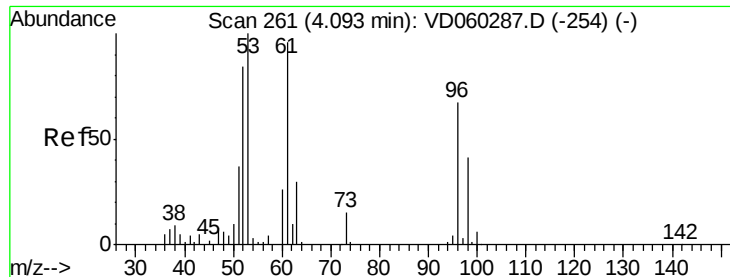


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 2215.380 ug/l

RT: 4.08 min Scan# 260

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

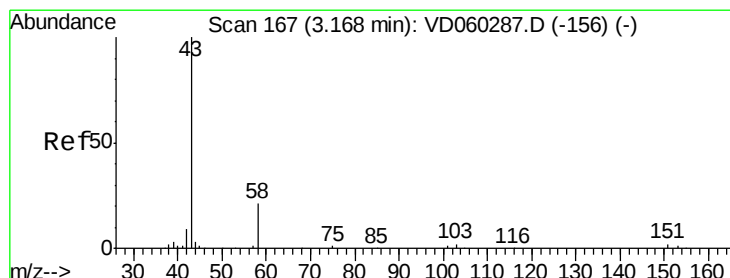
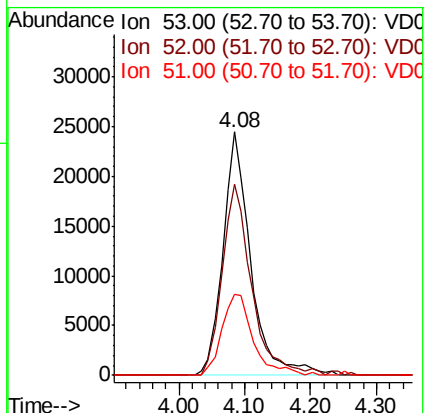
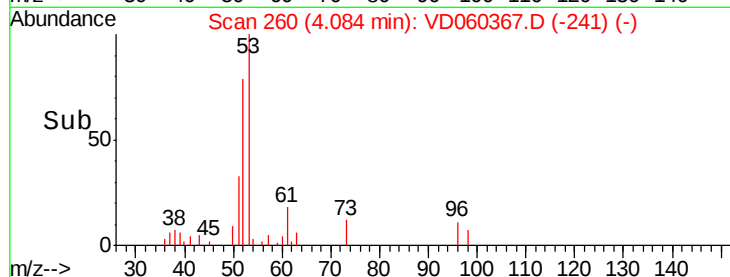
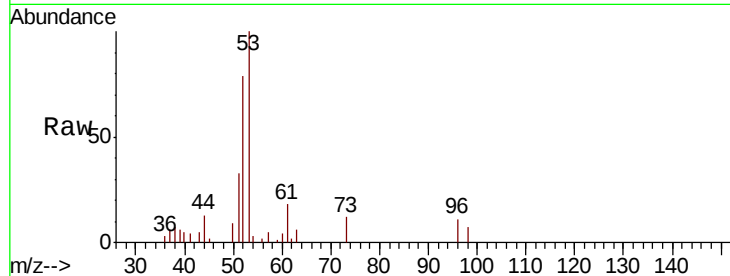
Tot Ion: 53 Resp: 72178

Ion Ratio Lower Upper

53 100

52 78.6 67.0 100.4

51 33.4 29.9 44.9



#16

Acetone

Concen: 2725.566 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060367.D

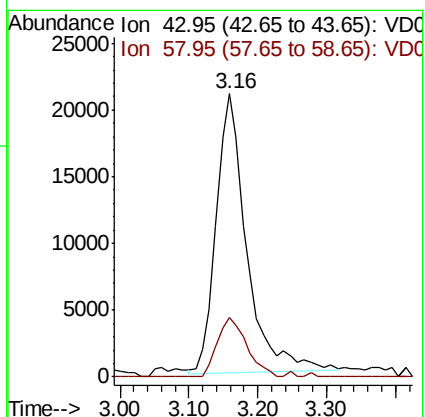
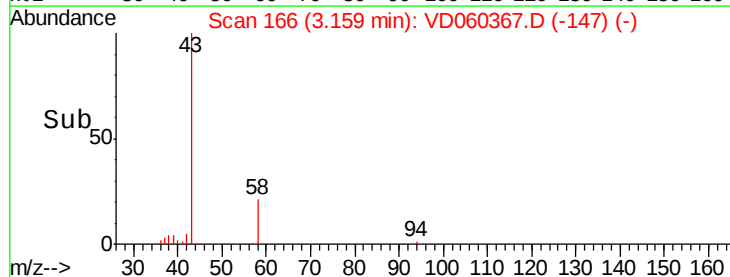
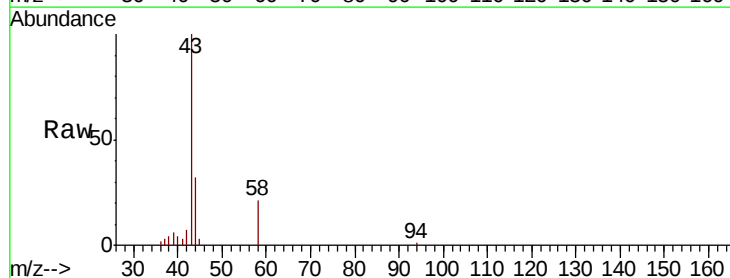
Acq: 13 Nov 2018 18:20

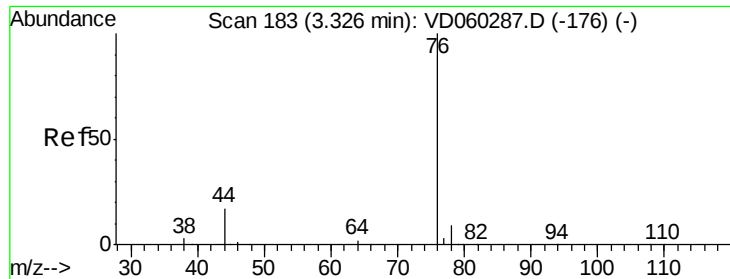
Tgt Ion: 43 Resp: 64325

Ion Ratio Lower Upper

43 100

58 20.8 16.9 25.3

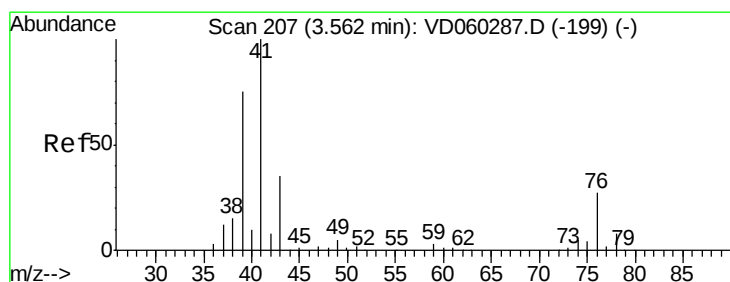
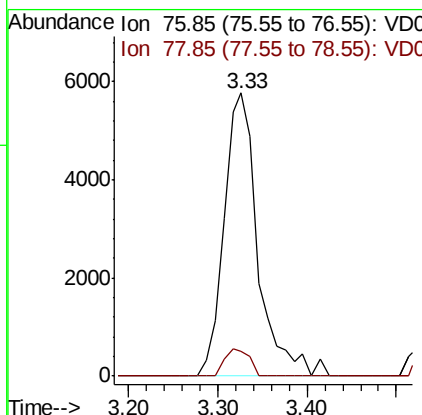
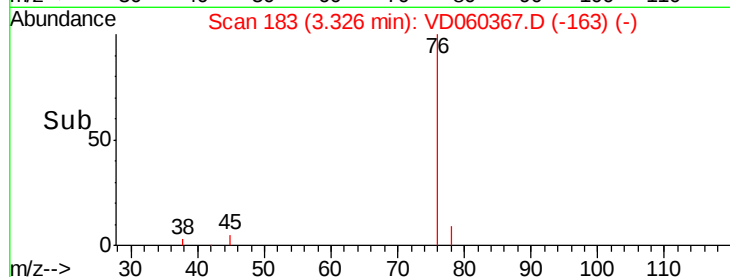
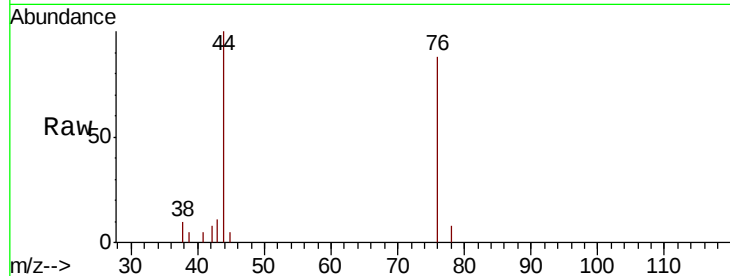




#17
Carbon Disulfide
Concen: 51.301 ug/l
RT: 3.33 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

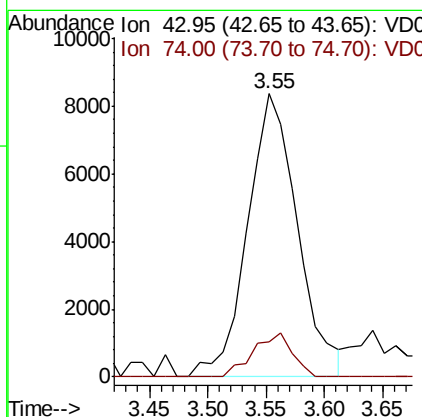
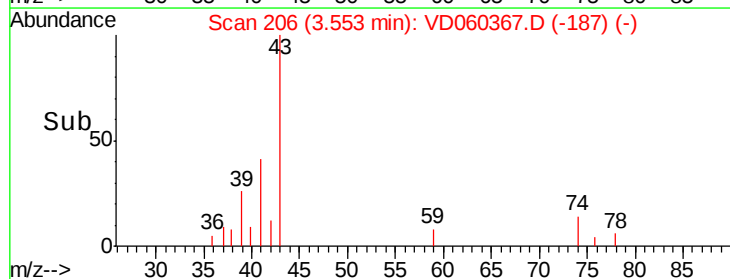
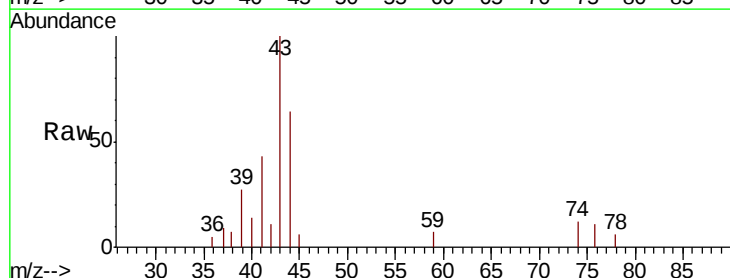
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

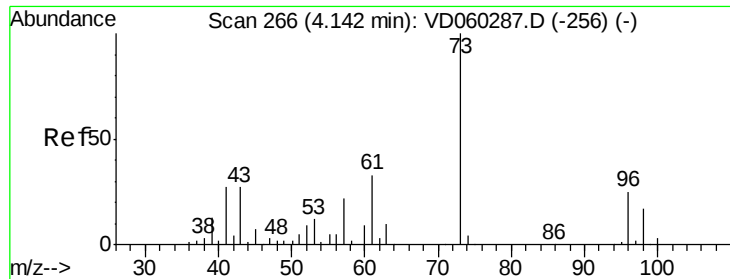
Tot Ion: 76 Resp: 15353
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 493.462 ug/l
RT: 3.55 min Scan# 206
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Tgt Ion: 43 Resp: 24832
Ion Ratio Lower Upper
43 100
74 12.3 12.4 18.6#

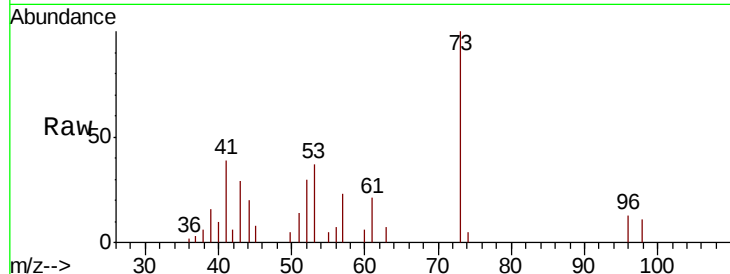




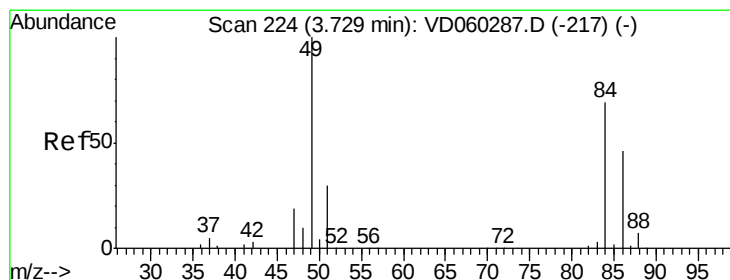
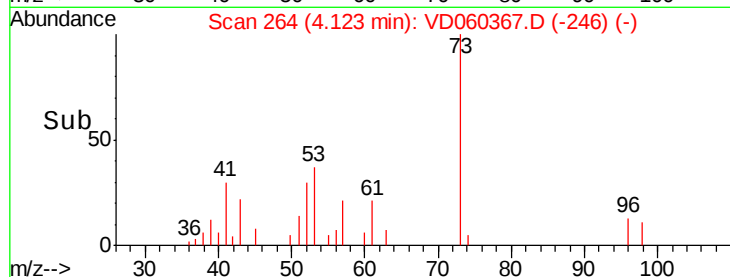
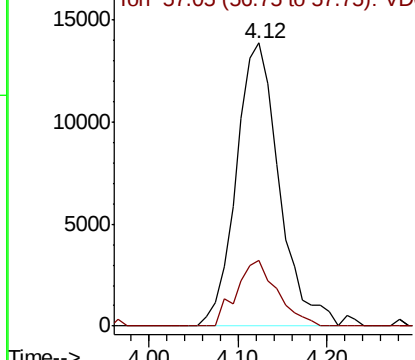
#19
Methyl tert-butyl Ether
Concen: 167.460 ug/l
RT: 4.12 min Scan# 264
Delta R.T. -0.02 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

Tot Ion: 73 Resp: 46492
Ion Ratio Lower Upper
73 100
57 23.3 18.1 27.1

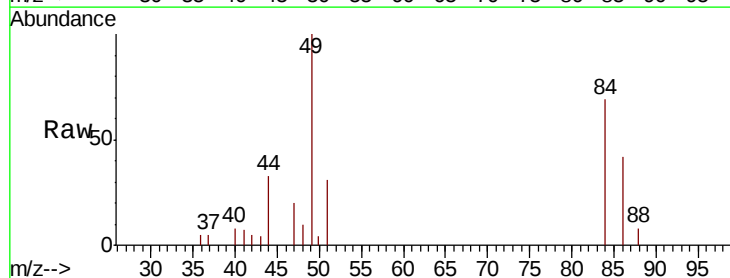


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

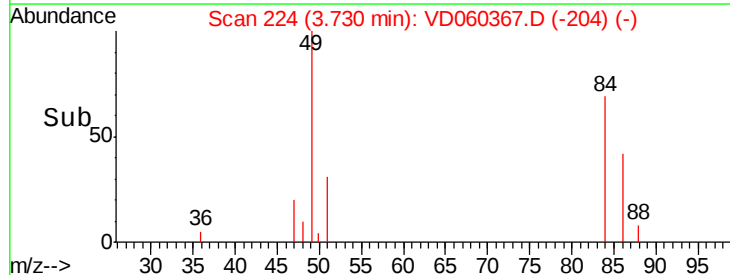
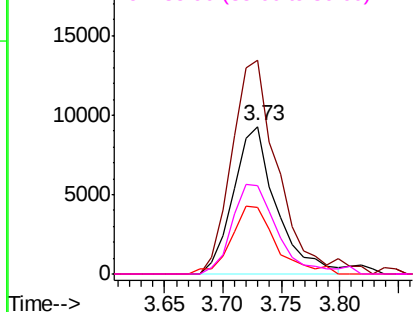


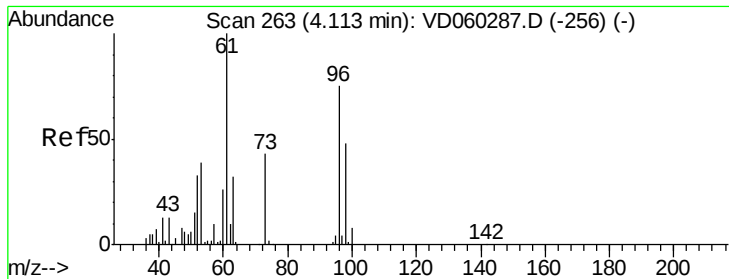
#20
Methylene Chloride
Concen: 112.793 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Tgt Ion: 84 Resp: 23614
Ion Ratio Lower Upper
84 100
49 145.0 115.6 173.4
51 45.4 35.6 53.4
86 60.2 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: 58.261 ug/l

RT: 4.10 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

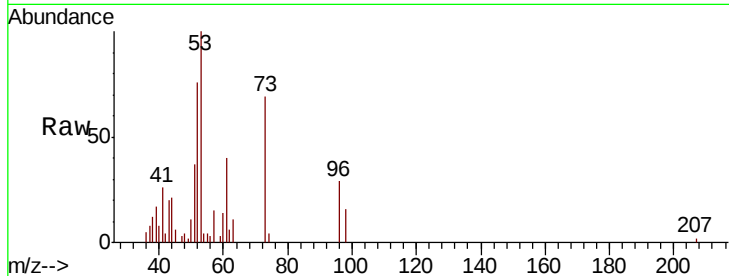
Tot Ion: 96 Resp: 11994

Ion Ratio Lower Upper

96 100

61 139.6 105.8 158.6

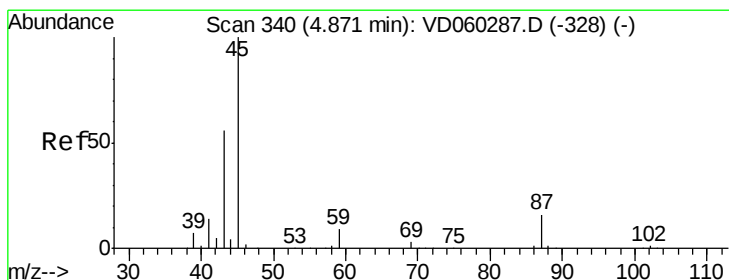
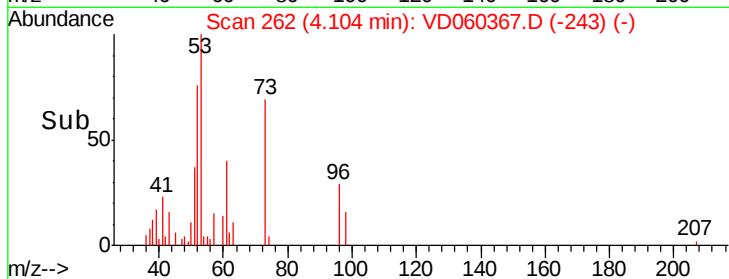
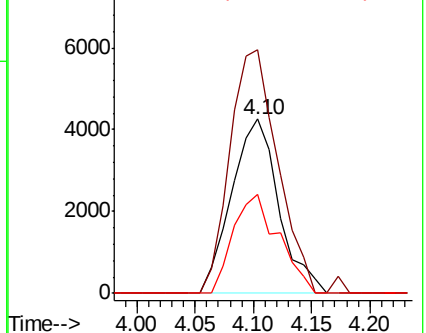
98 56.9 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 115.981 ug/l

RT: 4.85 min Scan# 338

Delta R.T. -0.02 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Tgt Ion: 45 Resp: 76871

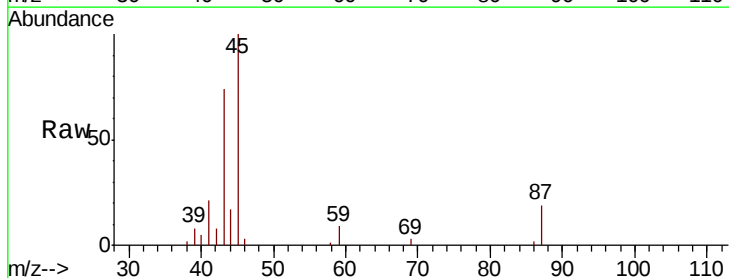
Ion Ratio Lower Upper

45 100

43 73.6 44.9 67.3#

87 19.1 13.9 20.9

59 9.1 7.0 10.6

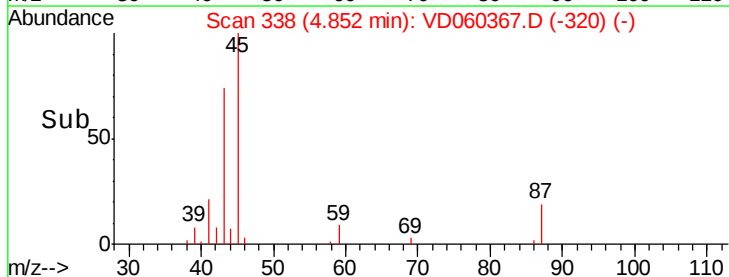
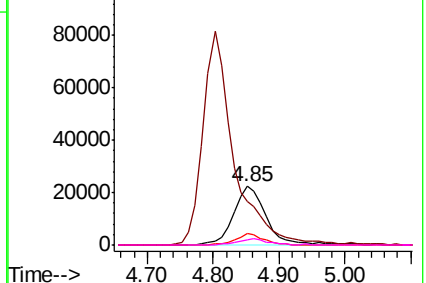


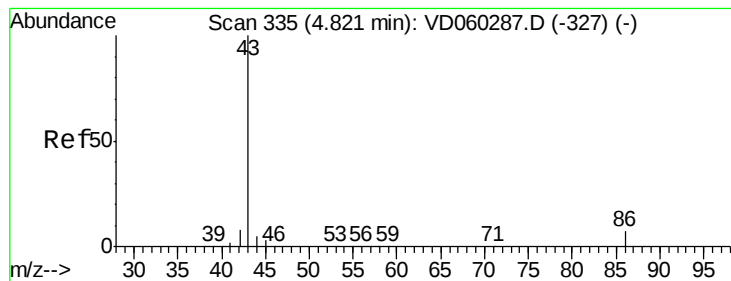
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 793.476 ug/l

RT: 4.80 min Scan# 333

Delta R.T. -0.02 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

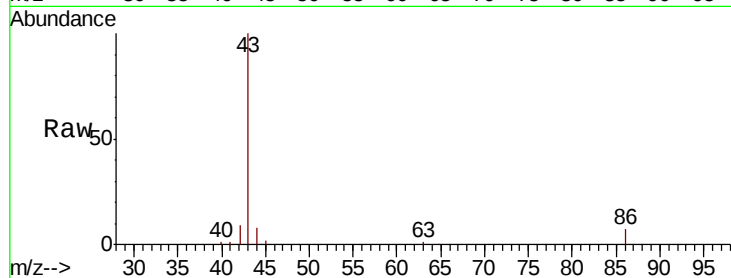
WALL-DMSD

Tot Ion: 43 Resp: 261684

Ion Ratio Lower Upper

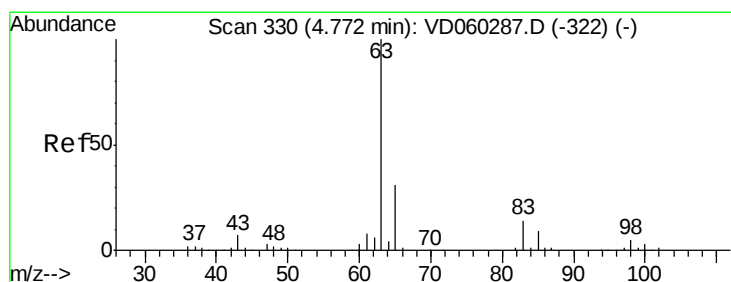
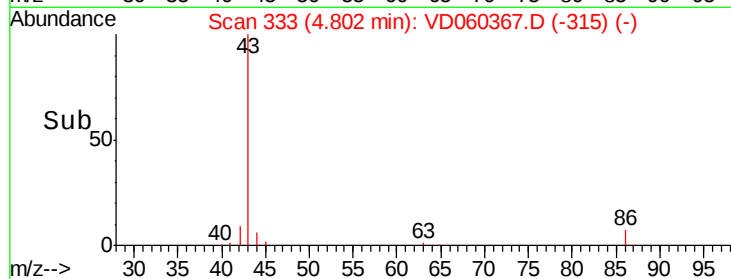
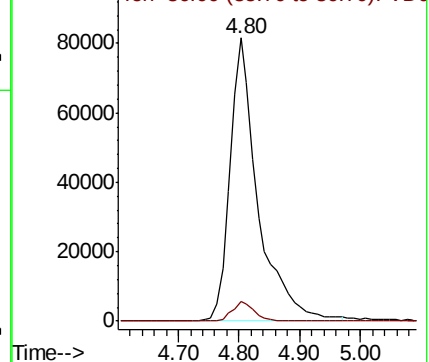
43 100

86 6.9 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 77.042 ug/l

RT: 4.75 min Scan# 328

Delta R.T. -0.02 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

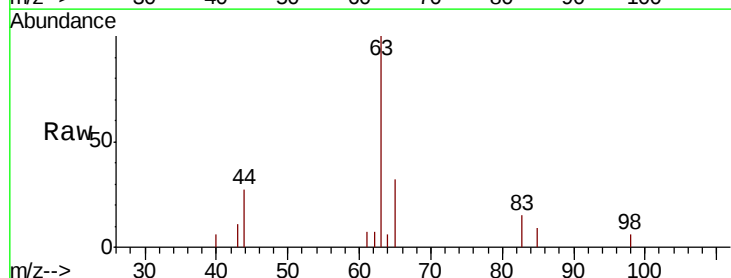
Tgt Ion: 63 Resp: 26185

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

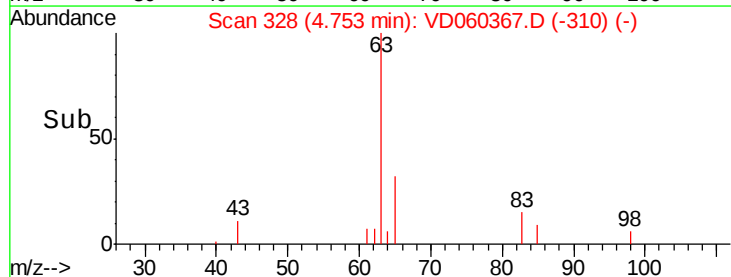
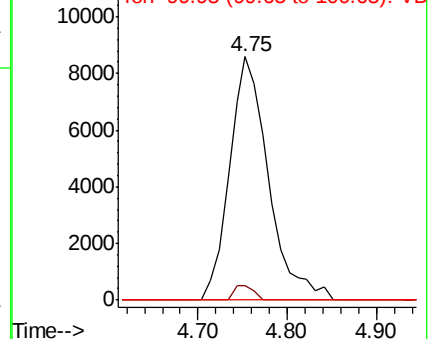
100 0.0 1.8 5.5#

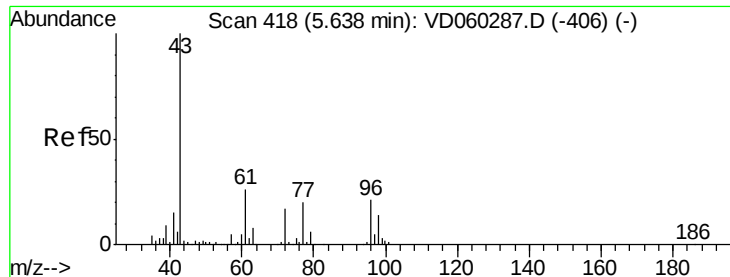


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 2190.180 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.02 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

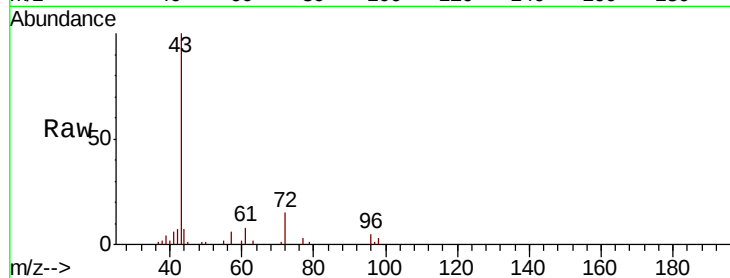
WALL-DMSD

Tot Ion: 43 Resp: 107440

Ion Ratio Lower Upper

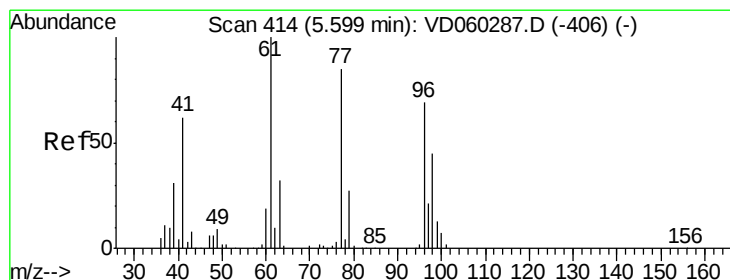
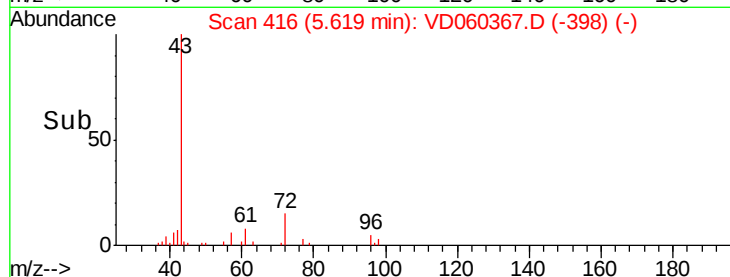
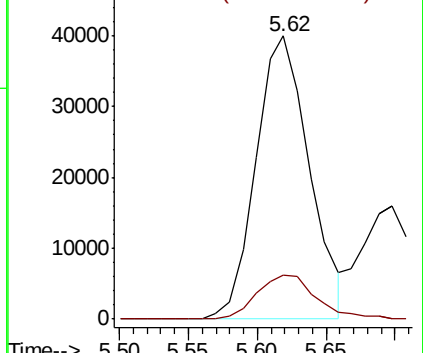
43 100

72 15.4 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: 50.961 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060367.D

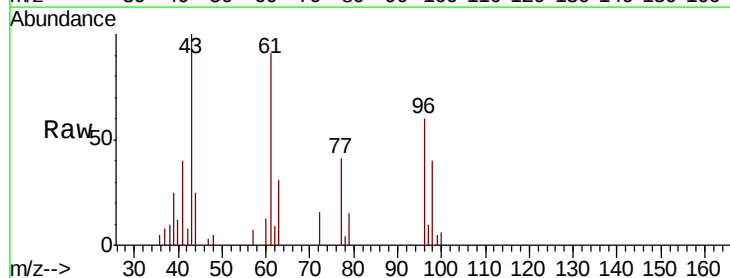
Acq: 13 Nov 2018 18:20

Tgt Ion: 77 Resp: 13466

Ion Ratio Lower Upper

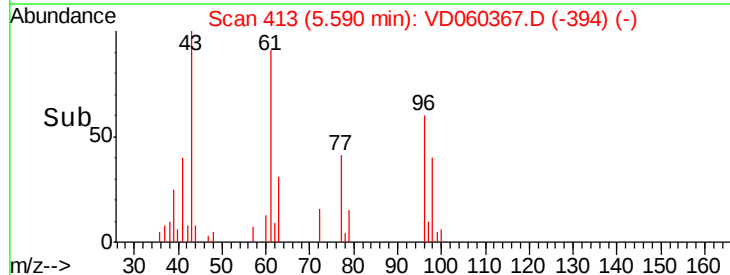
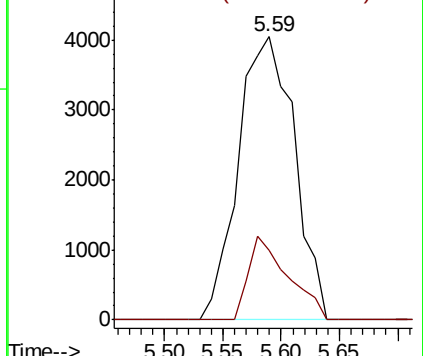
77 100

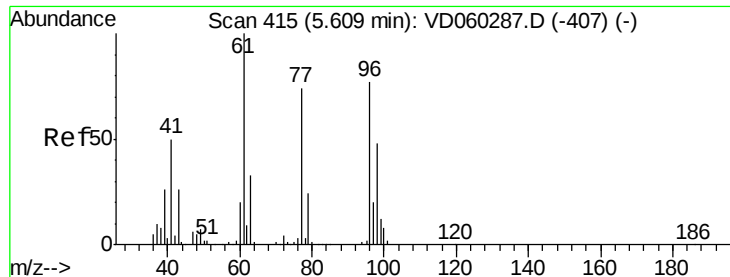
97 24.8 12.6 37.8



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: 80.185 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

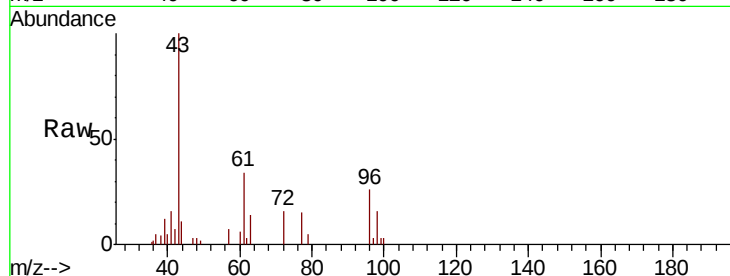
Tot Ion: 96 Resp: 17197

Ion Ratio Lower Upper

96 100

61 133.0 0.0 259.0

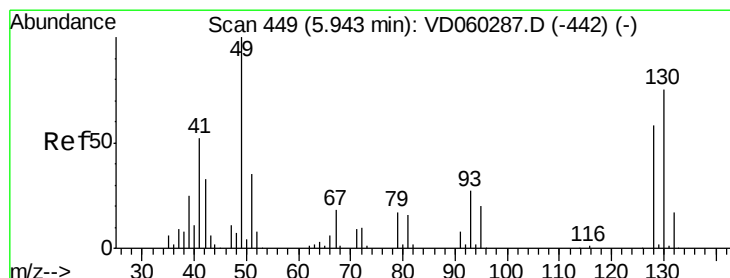
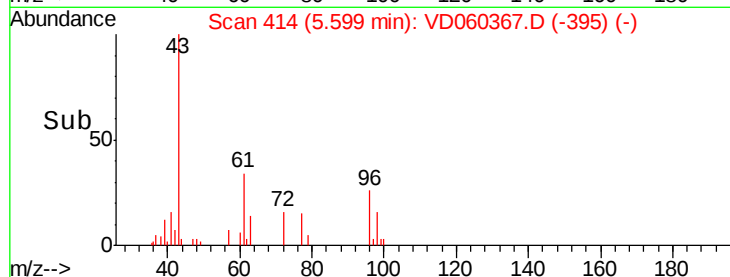
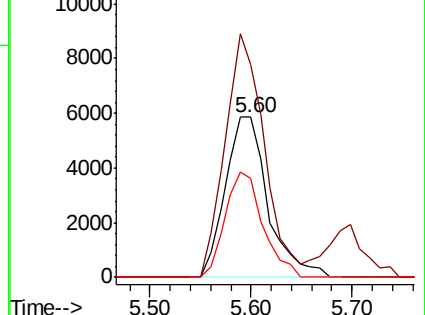
98 61.9 0.0 128.8



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: 143.294 ug/l

RT: 5.92 min Scan# 447

Delta R.T. -0.02 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

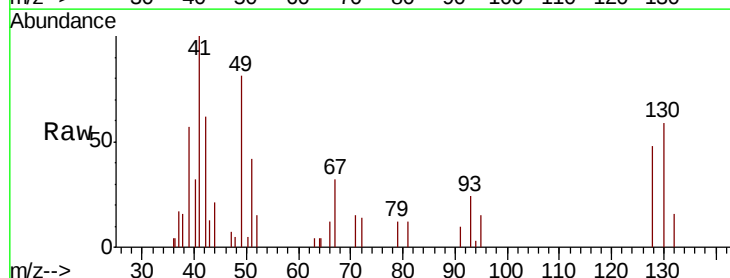
Tgt Ion: 49 Resp: 21489

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.8

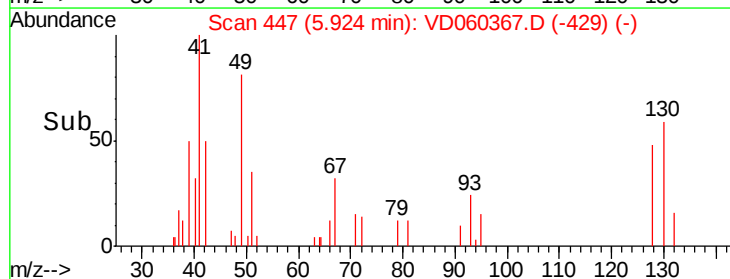
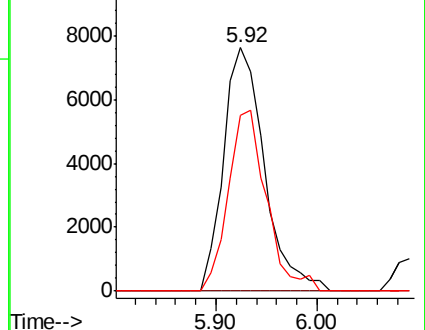
130 72.4 53.6 80.4

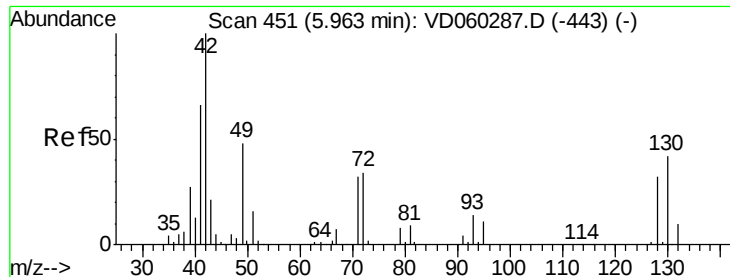


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 2408.120 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

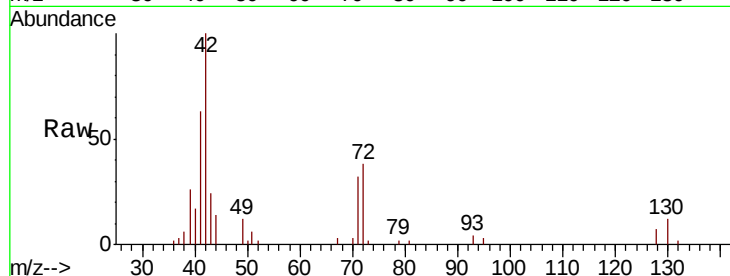
Tot Ion: 42 Resp: 62282

Ion Ratio Lower Upper

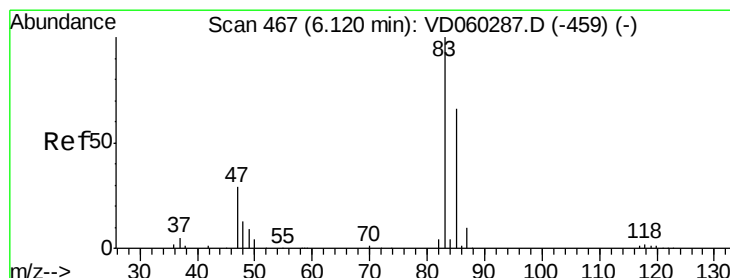
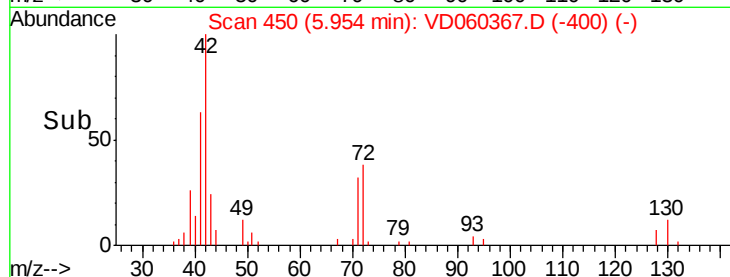
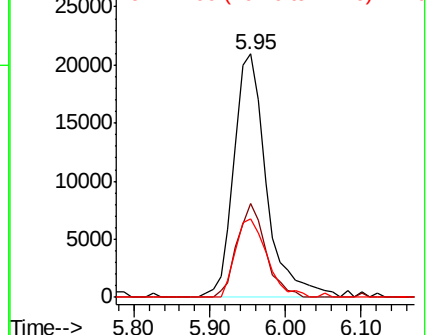
42 100

72 33.6 27.6 41.4

71 31.3 26.5 39.7



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



#30

Chloroform

Concen: 91.778 ug/l

RT: 6.10 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD060367.D

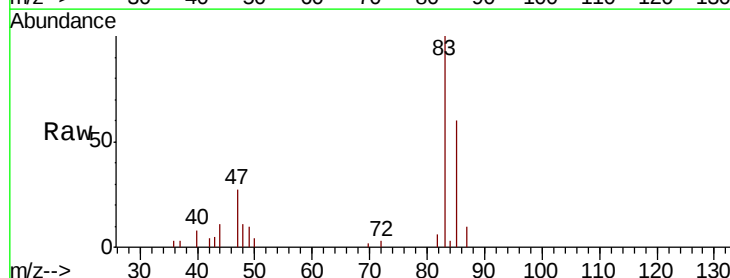
Acq: 13 Nov 2018 18:20

Tgt Ion: 83 Resp: 31184

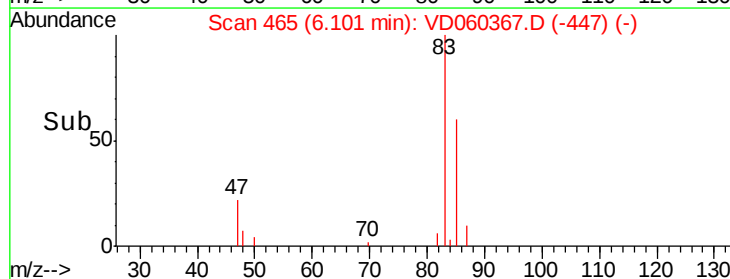
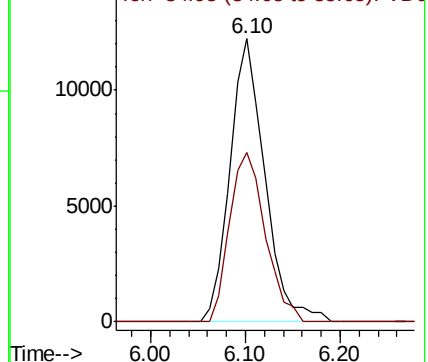
Ion Ratio Lower Upper

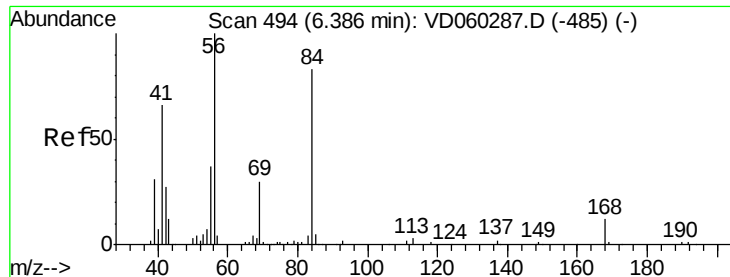
83 100

85 60.0 52.5 78.7



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

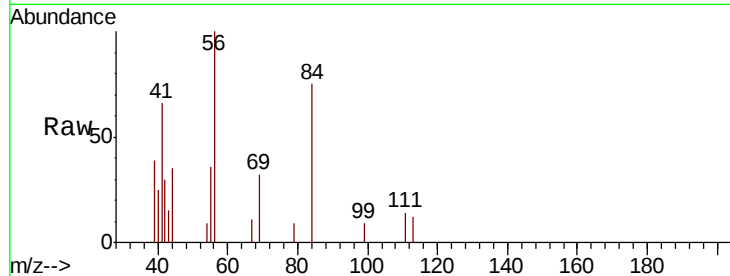




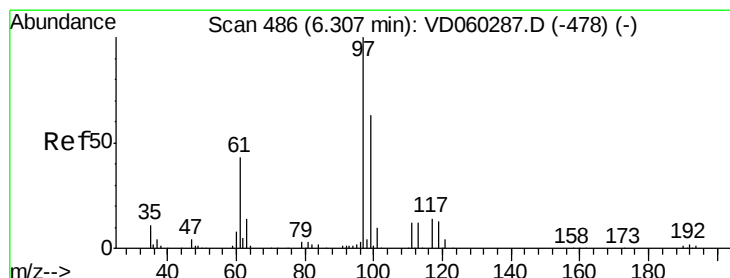
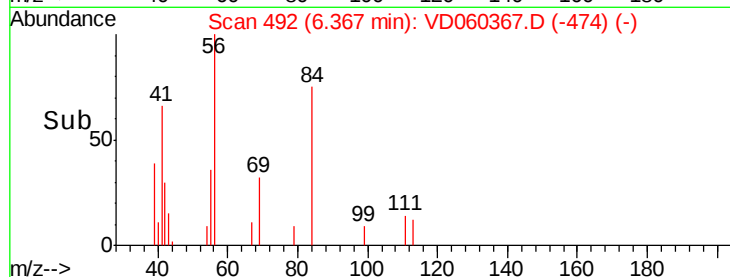
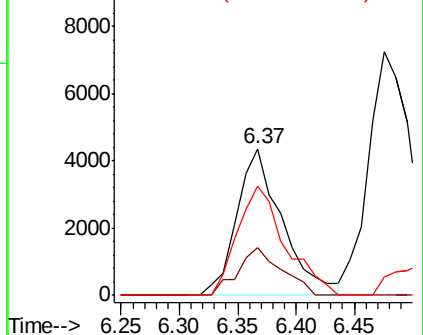
#31
Cyclohexane
Concen: 36.294 ug/l
RT: 6.37 min Scan# 492
Delta R.T. -0.02 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

Tot Ion: 56 Resp: 11790
Ion Ratio Lower Upper
56 100
69 32.3 22.2 33.2
84 74.9 63.0 94.4

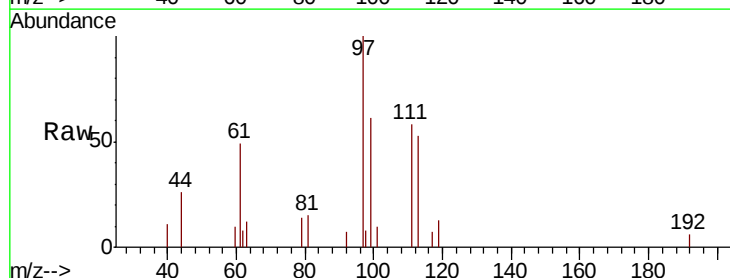


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

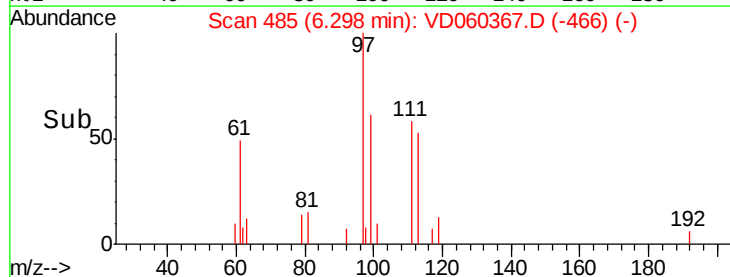
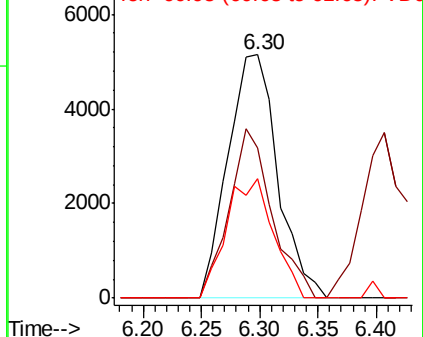


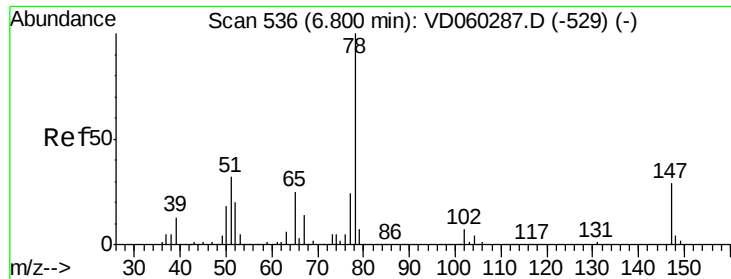
#32
1,1,1-Trichloroethane
Concen: 53.213 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Tgt Ion: 97 Resp: 15230
Ion Ratio Lower Upper
97 100
99 61.4 51.5 77.3
61 49.1 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: 53.213 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

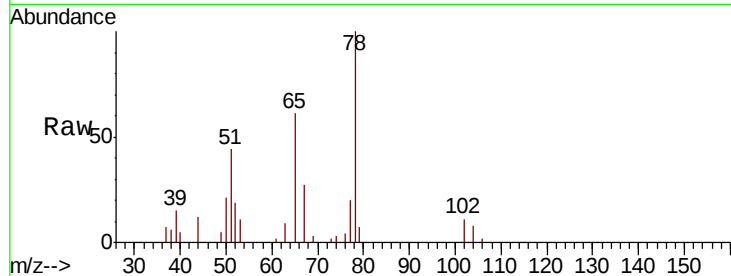
WALL-DMSD

Tot Ion: 65 Resp: 21805

Ion Ratio Lower Upper

65 100

67 44.6 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

10000

8000

6000

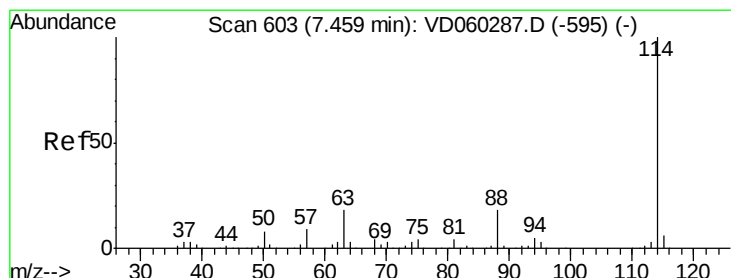
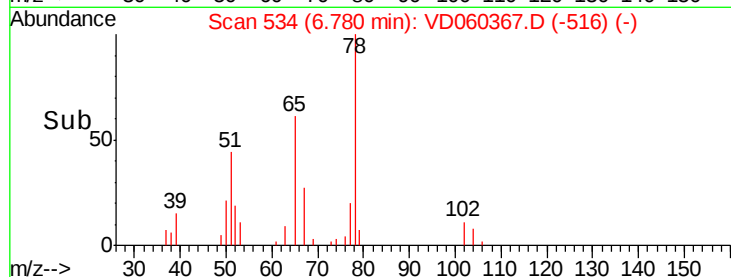
4000

2000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

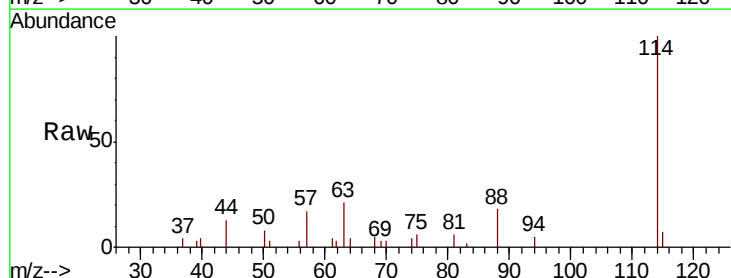
Tgt Ion: 114 Resp: 31020

Ion Ratio Lower Upper

114 100

63 21.4 0.0 34.0

88 18.1 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

15000

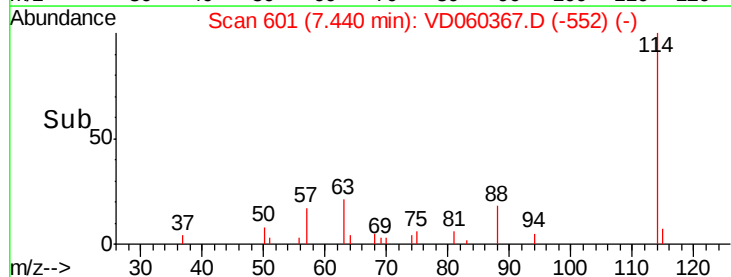
10000

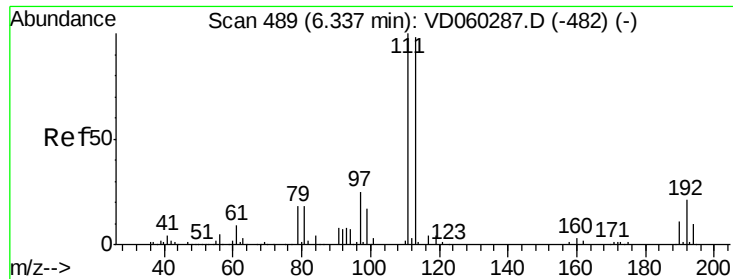
5000

0

7.40 7.45 7.50

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. -0.02 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

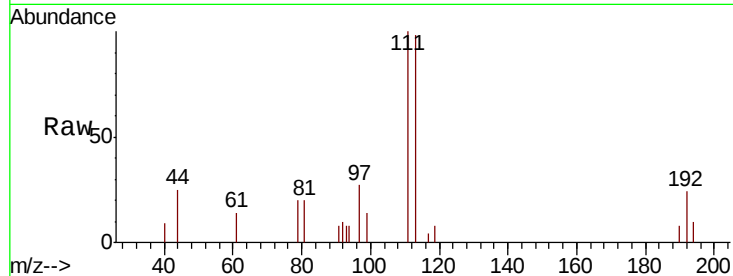
Tot Ion:113 Resp: 18066

Ion Ratio Lower Upper

113 100

111 102.5 81.6 122.4

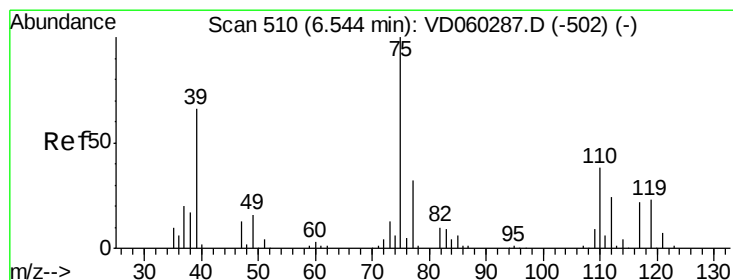
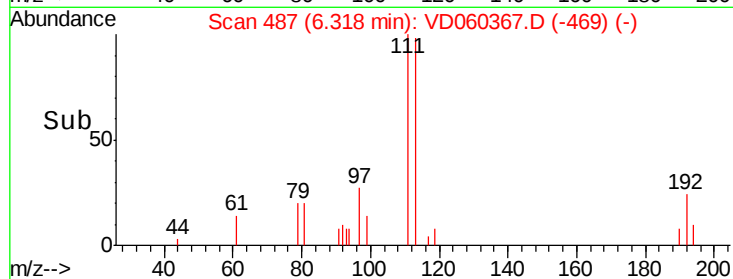
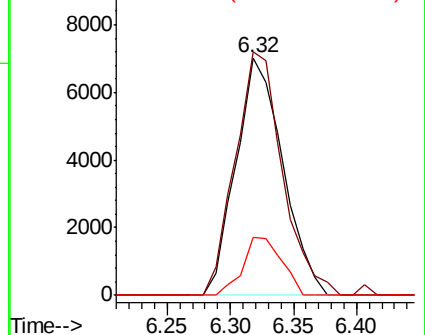
192 24.6 16.5 24.7



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: 41.888 ug/l

RT: 6.52 min Scan# 508

Delta R.T. -0.02 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

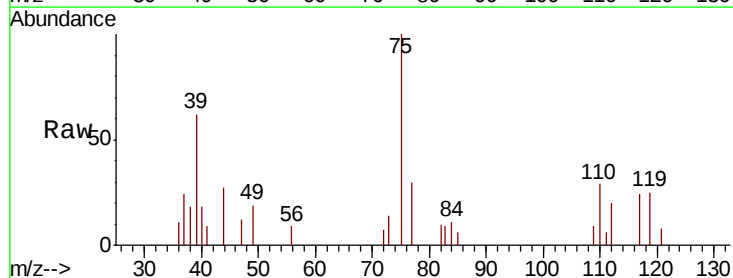
Tgt Ion: 75 Resp: 12837

Ion Ratio Lower Upper

75 100

110 28.7 18.0 54.0

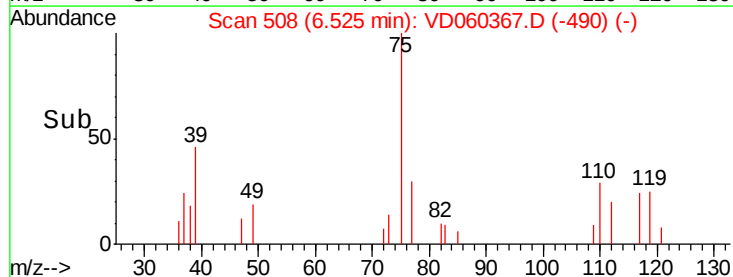
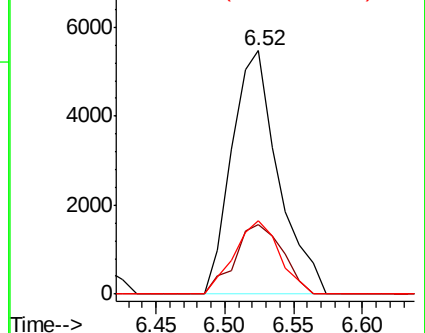
77 30.1 25.6 38.4

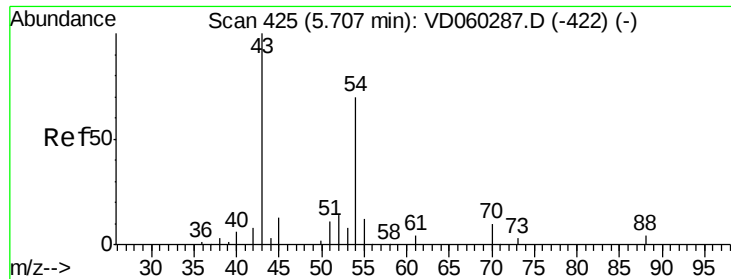


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

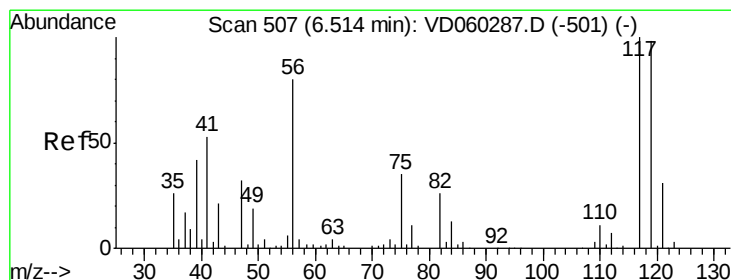
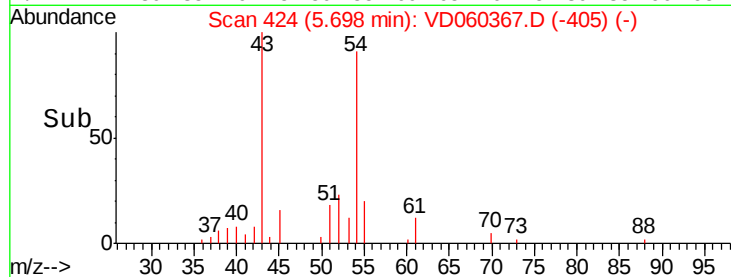
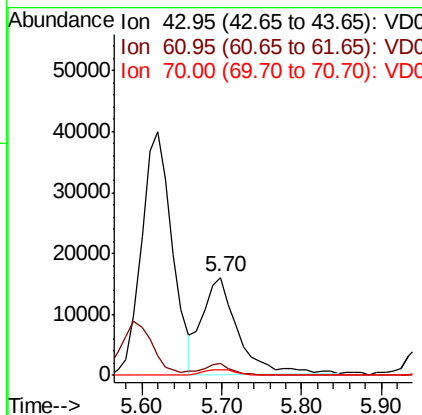
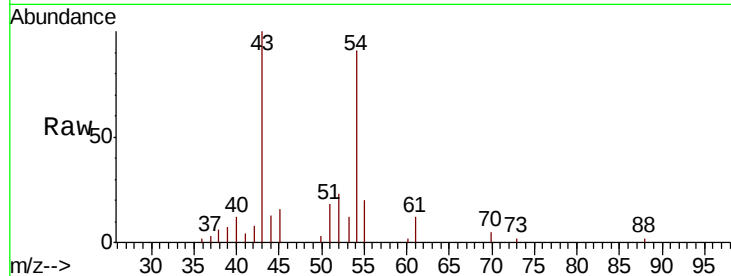




#37
Ethyl Acetate
Concen: 348.548 ug/l
RT: 5.70 min Scan# 424
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

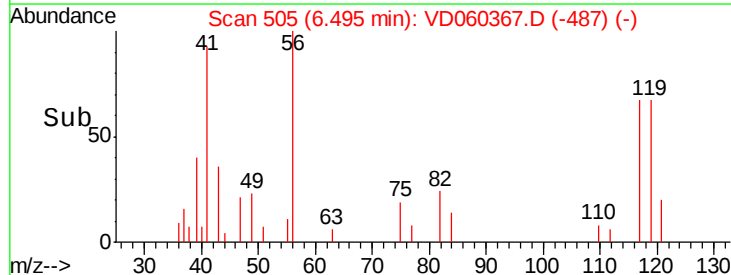
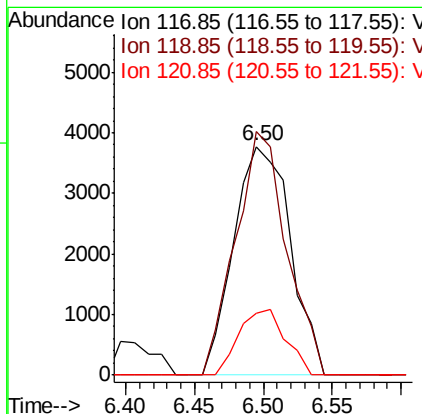
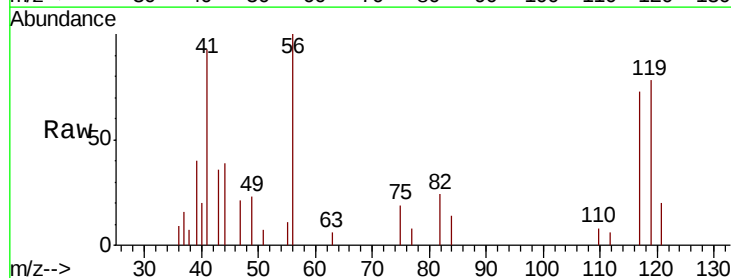
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

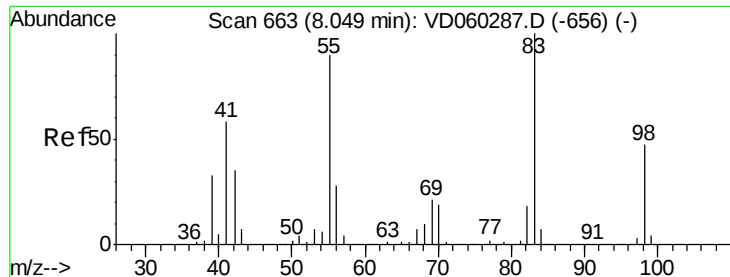
Tot Ion: 43 Resp: 49153
Ion Ratio Lower Upper
43 100
61 11.9 11.8 17.6
70 5.4 6.2 9.4#



#38
Carbon Tetrachloride
Concen: 38.039 ug/l
RT: 6.50 min Scan# 505
Delta R.T. -0.02 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Tgt Ion: 117 Resp: 10814
Ion Ratio Lower Upper
117 100
119 106.5 76.6 115.0
121 27.0 24.3 36.5

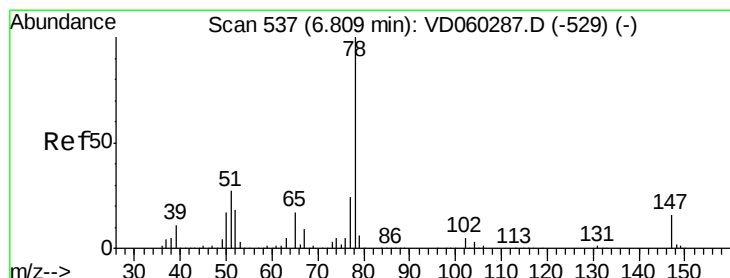
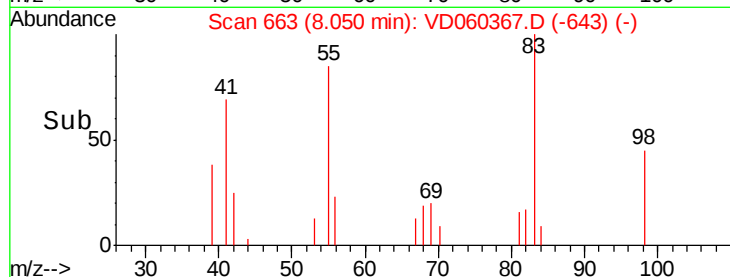
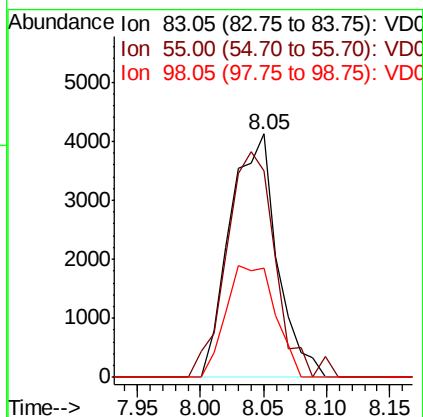
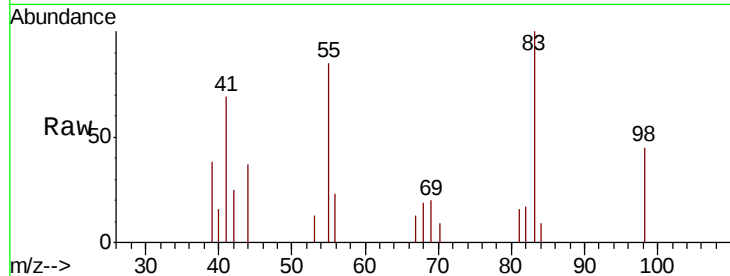




#39
Methvlcvclohexane
Concen: 30.331 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.00 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

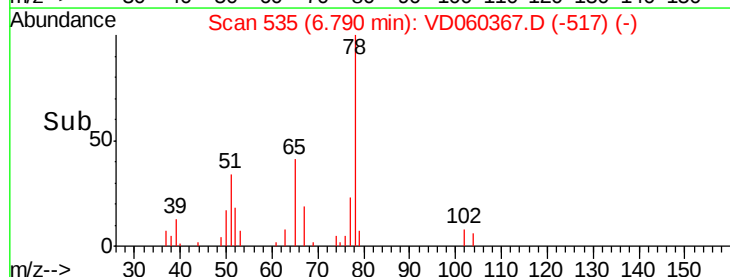
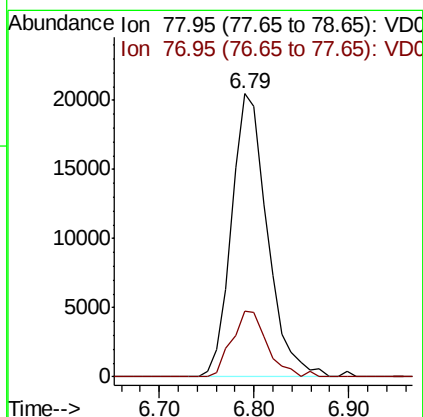
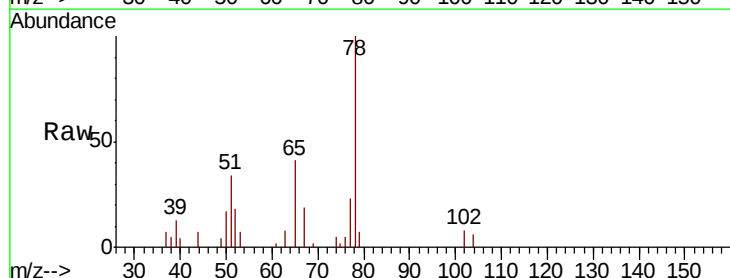
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

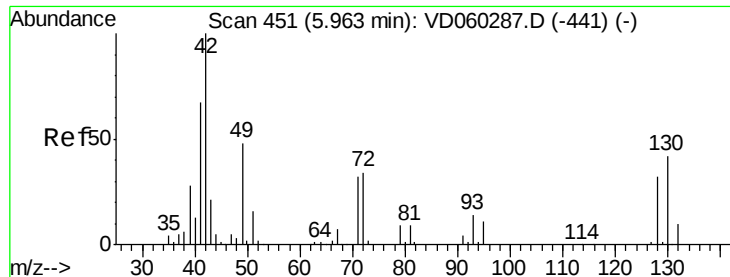
Tot Ion: 83 Resp: 10691
Ion Ratio Lower Upper
83 100
55 84.6 71.2 106.8
98 45.0 38.4 57.6



#40
Benzene
Concen: 68.471 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.02 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Tgt Ion: 78 Resp: 53564
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2





#41

Methacrylonitrile

Concen: 357.636 ug/l

RT: 5.94 min Scan# 449

Delta R.T. -0.02 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

Tot Ion: 41 Resp: 57725

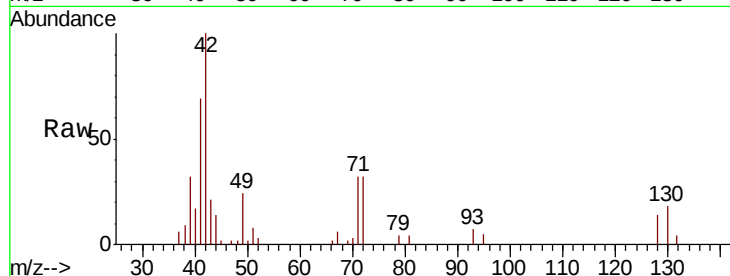
Ion Ratio Lower Upper

41 100

39 46.2 36.2 54.2

67 8.0 11.9 17.9#

52 4.5 5.2 7.8#

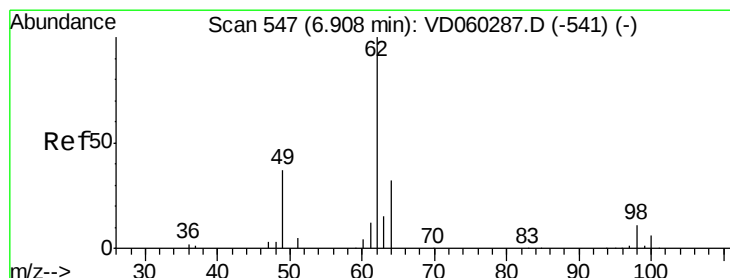
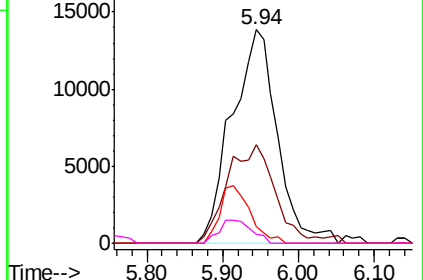
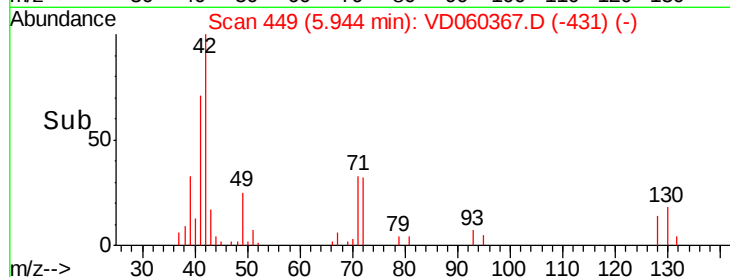


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 123.917 ug/l

RT: 6.89 min Scan# 545

Delta R.T. -0.02 min

Lab File: VD060367.D

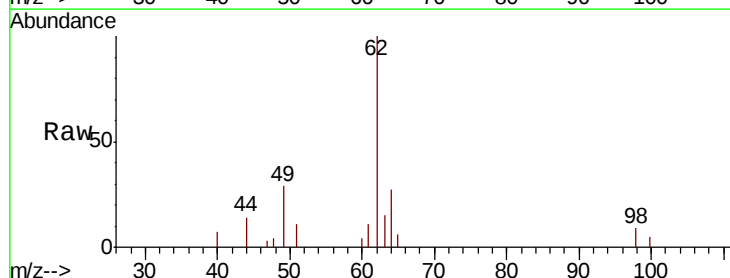
Acq: 13 Nov 2018 18:20

Tgt Ion: 62 Resp: 25373

Ion Ratio Lower Upper

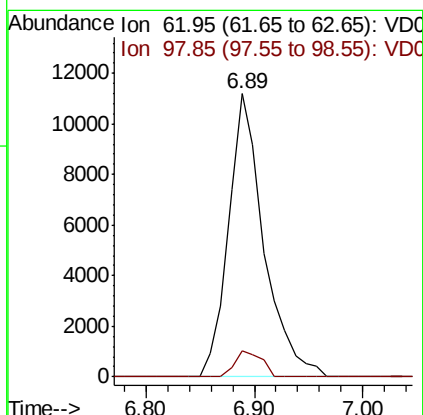
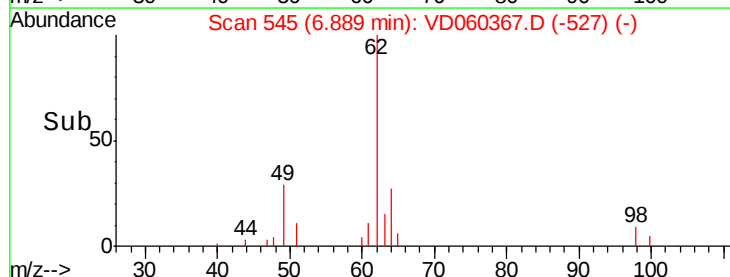
62 100

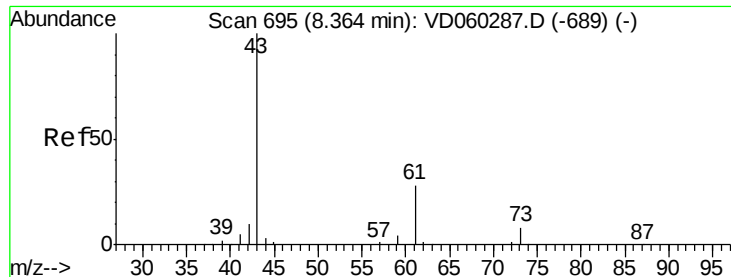
98 9.2 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 288.752 ug/l

RT: 8.35 min Scan# 693

Delta R.T. -0.02 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

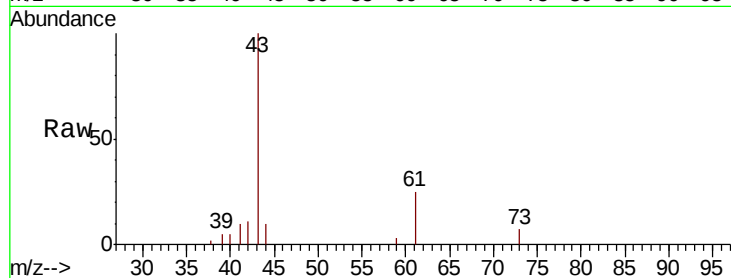
Tot Ion: 43 Resp: 51150

Ion Ratio Lower Upper

43 100

61 24.9 22.3 33.5

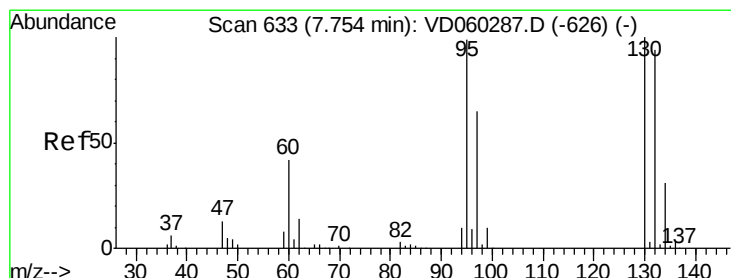
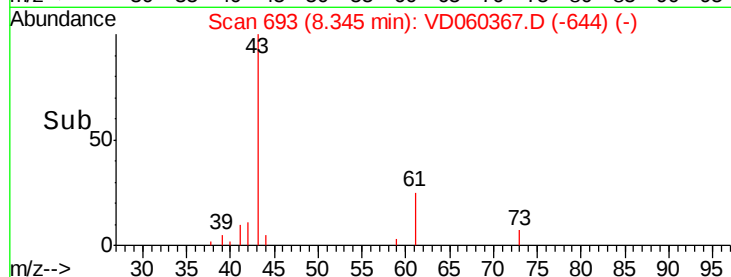
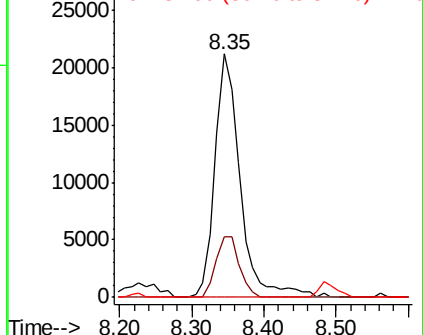
87 0.0 0.2 0.2#



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: 52.632 ug/l

RT: 7.73 min Scan# 631

Delta R.T. -0.02 min

Lab File: VD060367.D

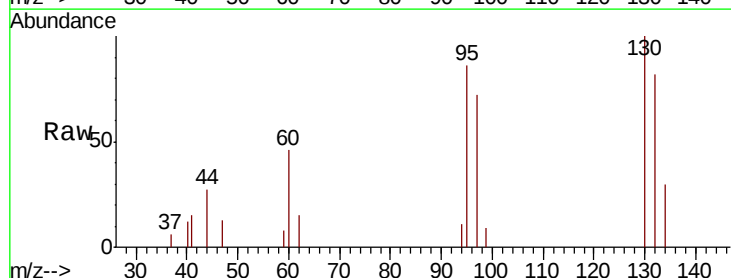
Acq: 13 Nov 2018 18:20

Tgt Ion:130 Resp: 12481

Ion Ratio Lower Upper

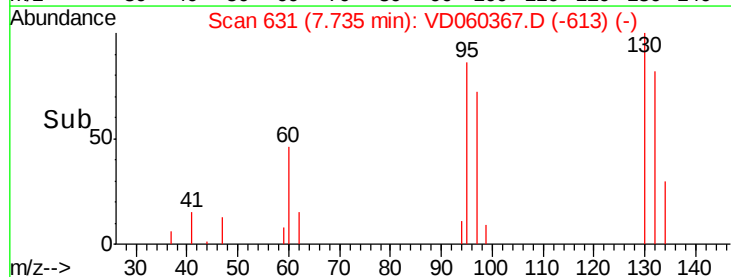
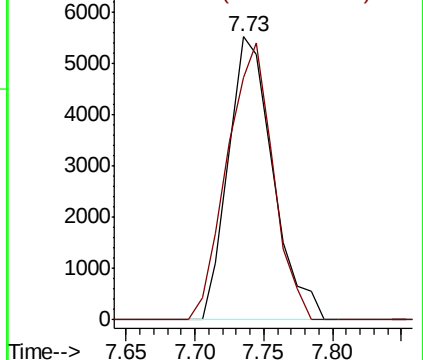
130 100

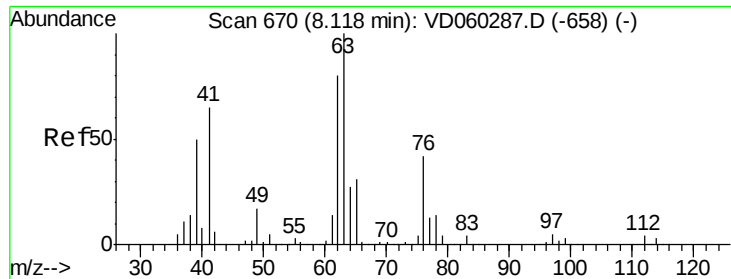
95 85.6 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 81.158 ug/l

RT: 8.10 min Scan# 668

Delta R.T. -0.02 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

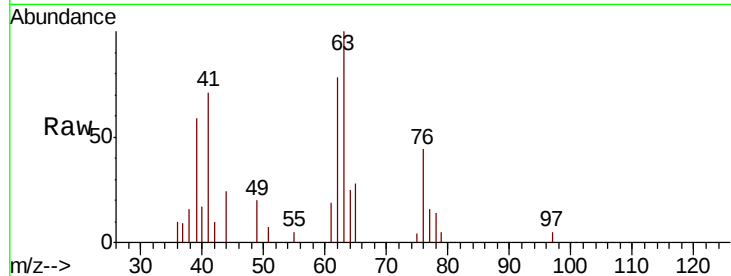
WALL-DMSD

Tot Ion: 63 Resp: 16012

Ion Ratio Lower Upper

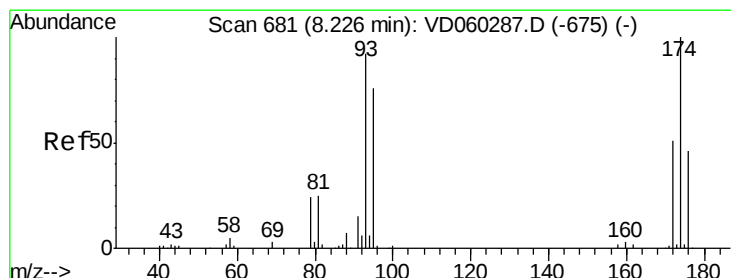
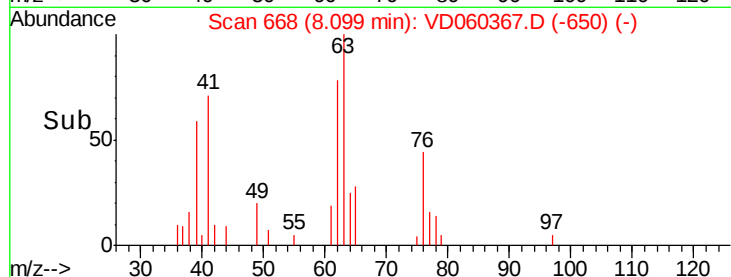
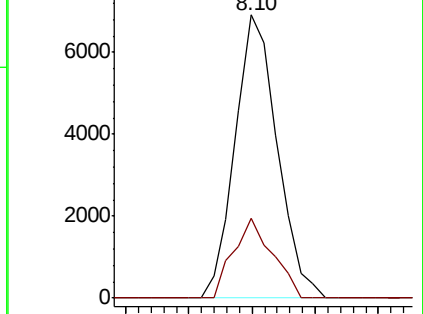
63 100

65 28.4 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 148.471 ug/l

RT: 8.22 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

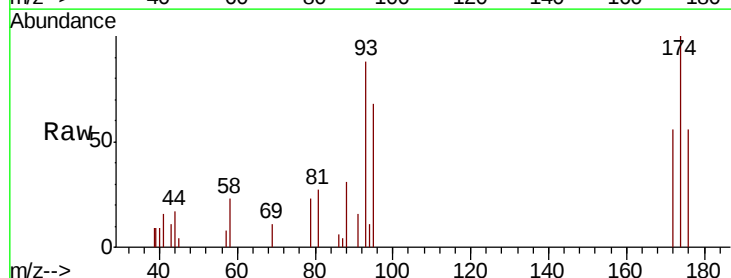
Tgt Ion: 93 Resp: 17156

Ion Ratio Lower Upper

93 100

95 77.8 66.4 99.6

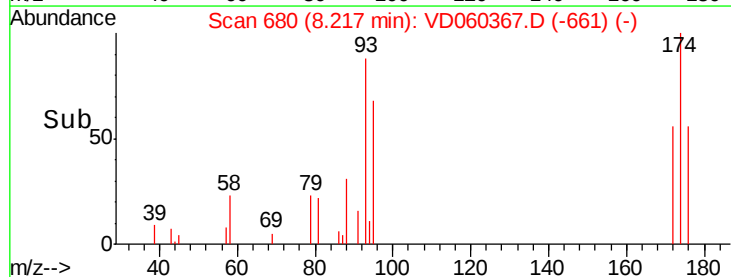
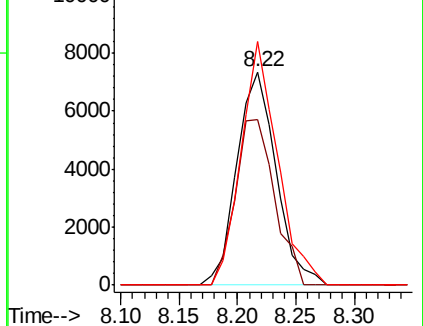
174 114.1 87.8 131.8

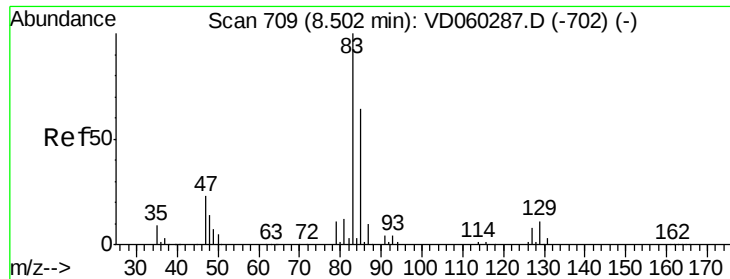


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 91.629 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

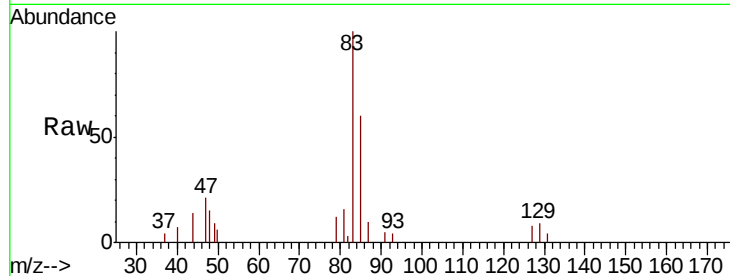
Tot Ion: 83 Resp: 24950

Ion Ratio Lower Upper

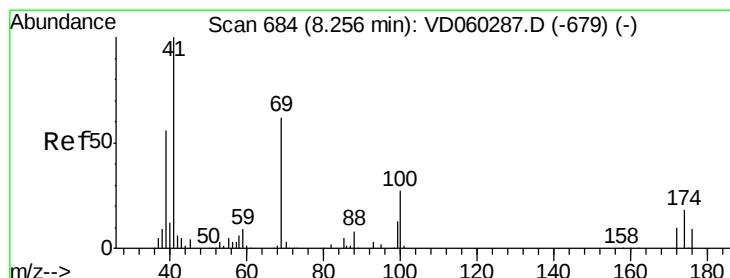
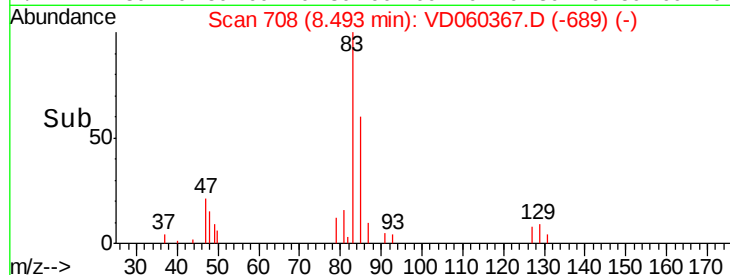
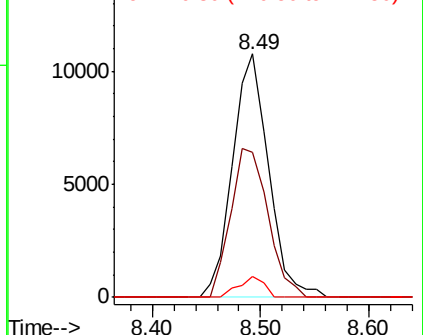
83 100

85 59.8 51.0 76.6

127 8.5 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 243.755 ug/l

RT: 8.25 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

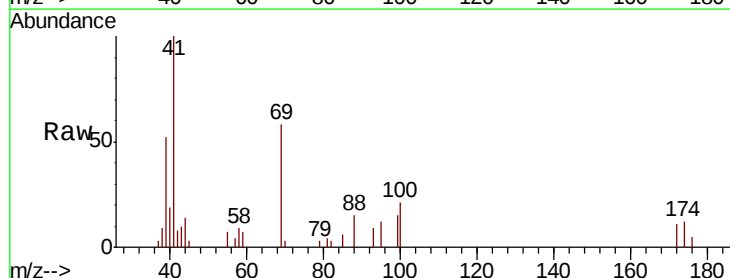
Tgt Ion: 41 Resp: 26228

Ion Ratio Lower Upper

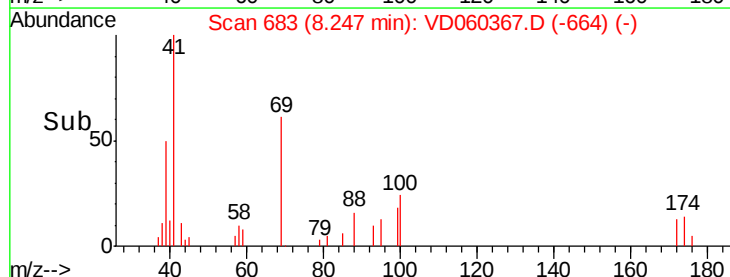
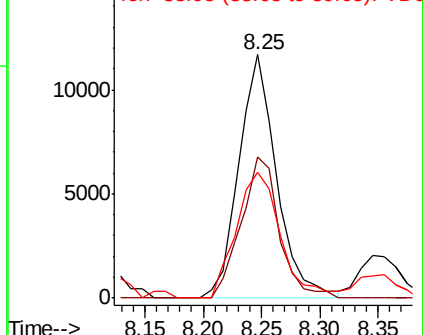
41 100

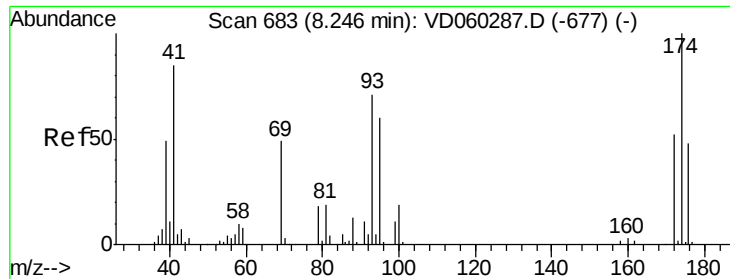
69 58.0 47.0 70.4

39 51.5 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

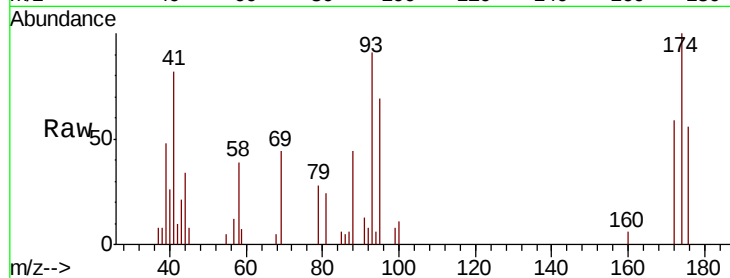




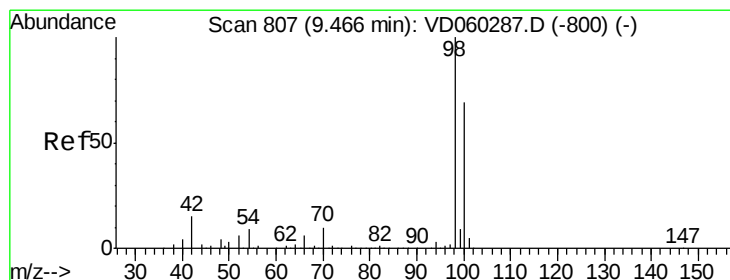
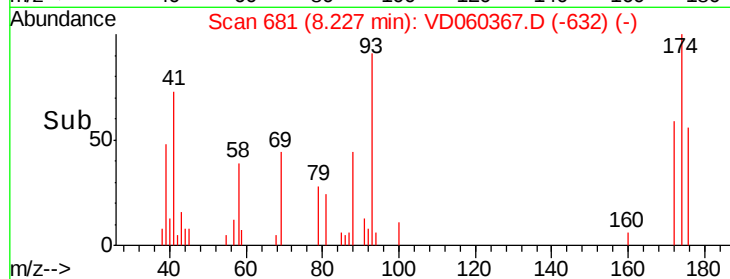
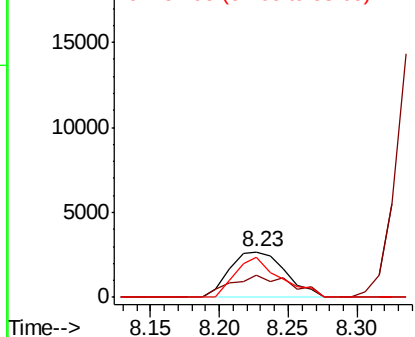
#49
1,4-Dioxane
Concen: 8046.307 ug/l
RT: 8.23 min Scan# 681
Delta R.T. -0.02 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

Tot Ion: 88 Resp: 7491
Ion Ratio Lower Upper
88 100
43 48.3 39.7 59.5
58 87.7 60.2 90.2

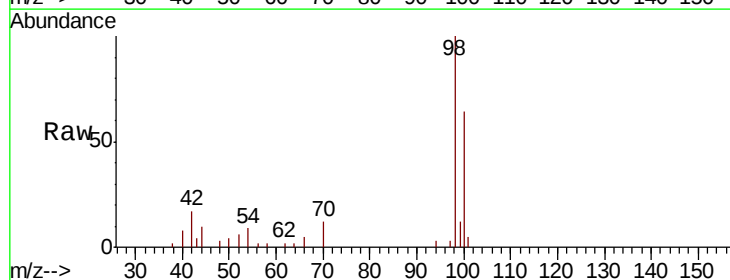


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

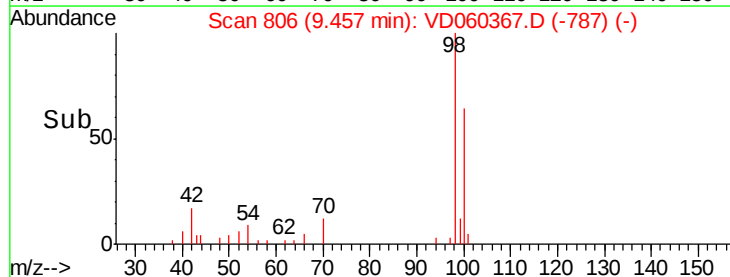
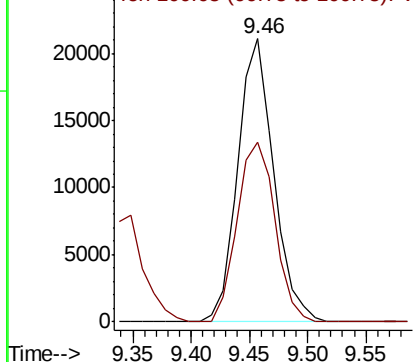


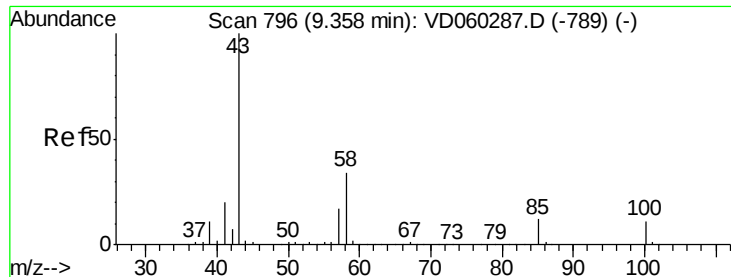
#50
Toluene-d8
Concen: 8046.307 ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Tgt Ion: 98 Resp: 44946
Ion Ratio Lower Upper
98 100
100 63.5 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: 1691.898 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

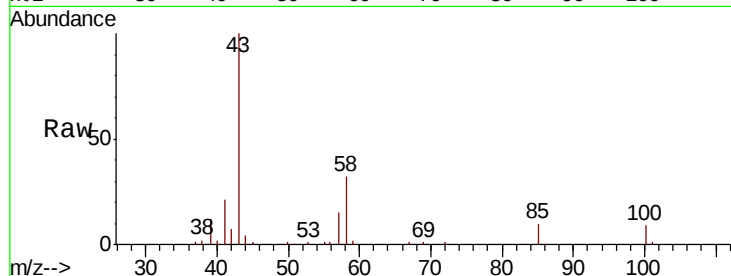
WALL-DMSD

Tot Ion: 43 Resp: 195067

Ion Ratio Lower Upper

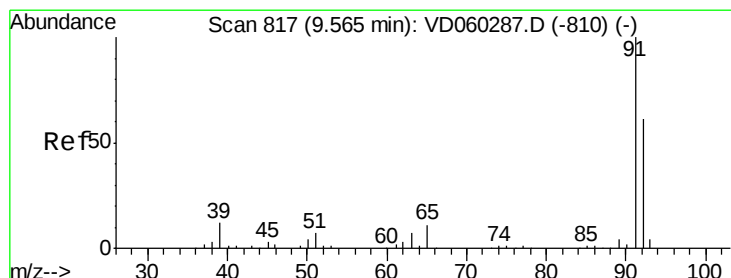
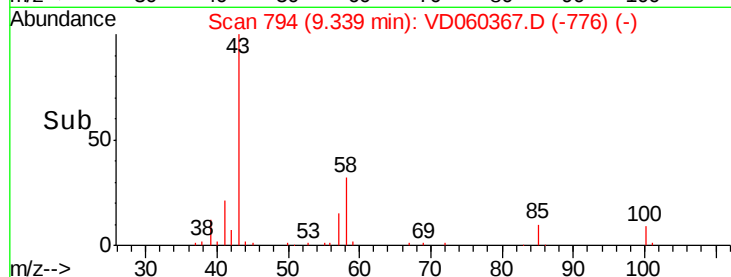
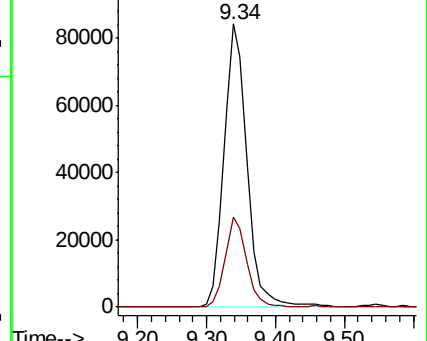
43 100

58 31.9 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 79.200 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.02 min

Lab File: VD060367.D

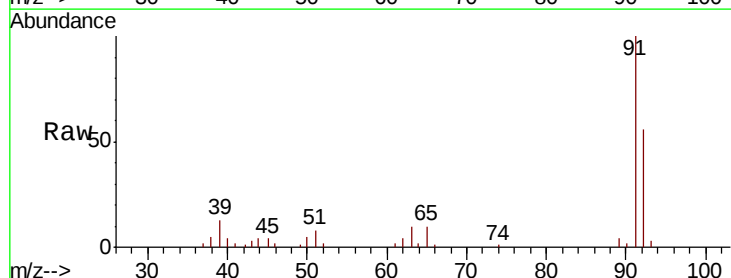
Acq: 13 Nov 2018 18:20

Tgt Ion: 92 Resp: 39577

Ion Ratio Lower Upper

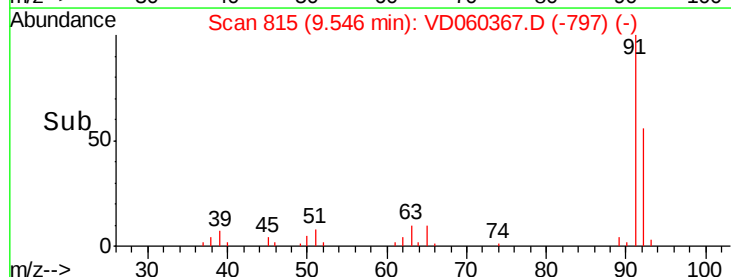
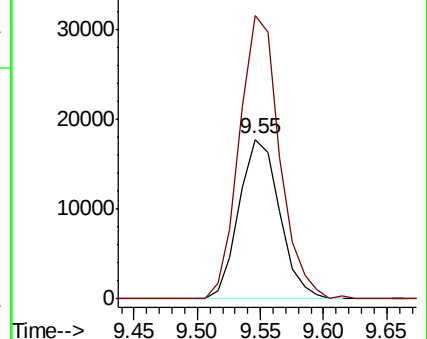
92 100

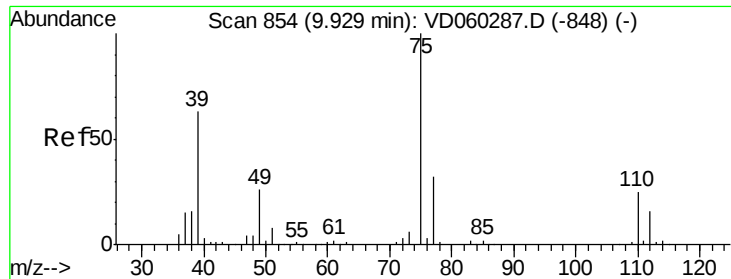
91 177.7 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

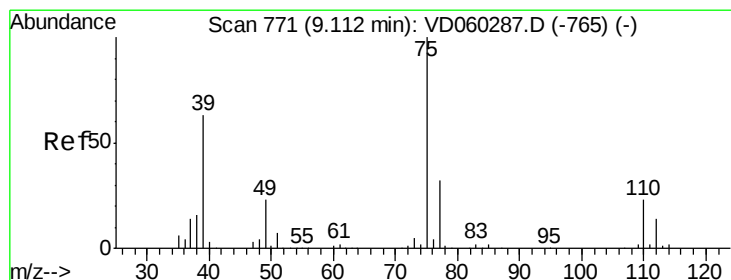
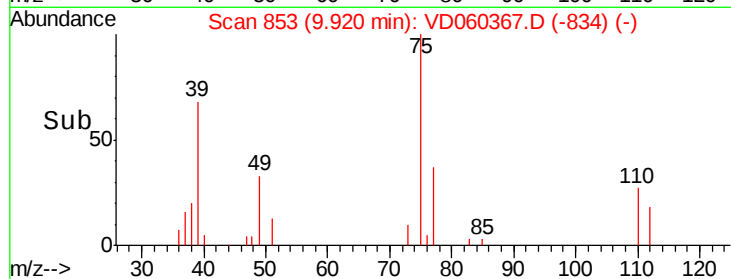
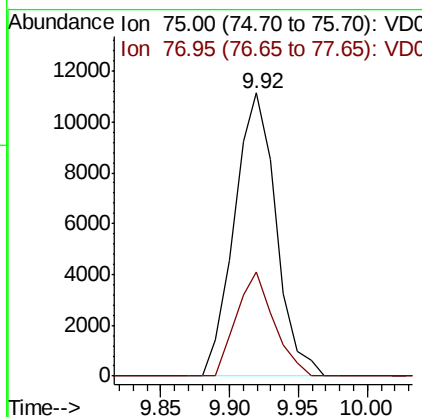
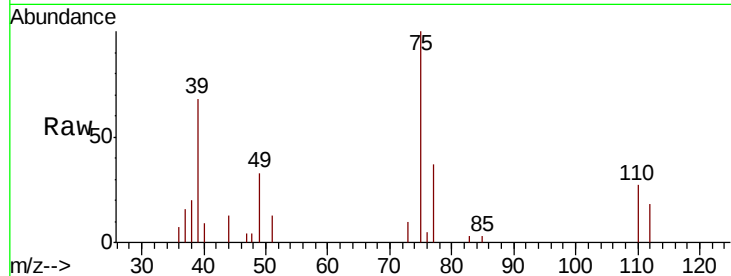




#53
 t-1,3-Dichloropropene
 Concen: 102.035 ug/l
 RT: 9.92 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VD060367.D
 Acq: 13 Nov 2018 18:20

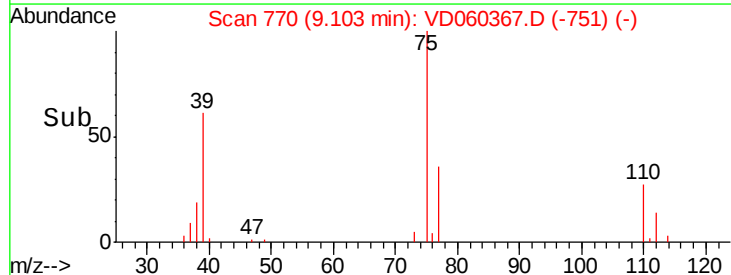
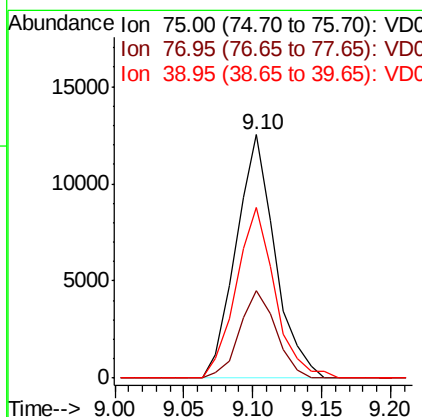
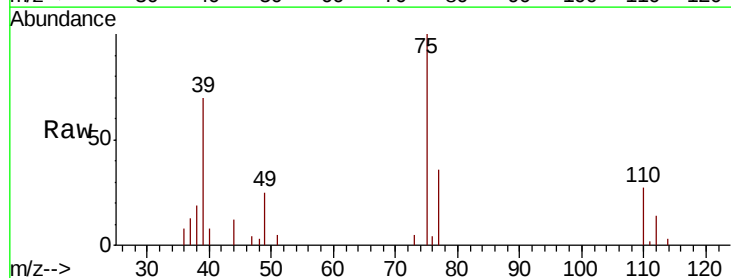
Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

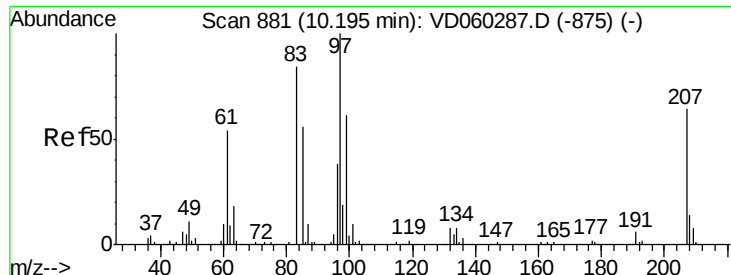
Tot Ion: 75 Resp: 23475
 Ion Ratio Lower Upper
 75 100
 77 36.6 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 83.430 ug/l
 RT: 9.10 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: VD060367.D
 Acq: 13 Nov 2018 18:20

Tgt Ion: 75 Resp: 24619
 Ion Ratio Lower Upper
 75 100
 77 35.9 26.3 39.5
 39 70.2 50.8 76.2

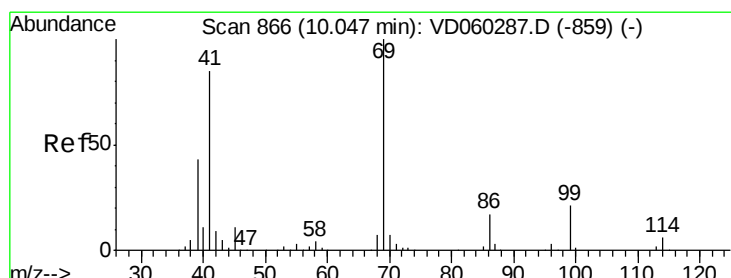
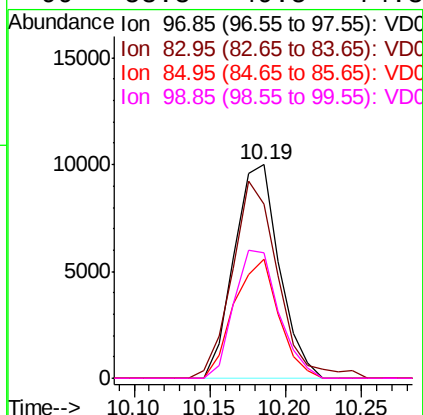
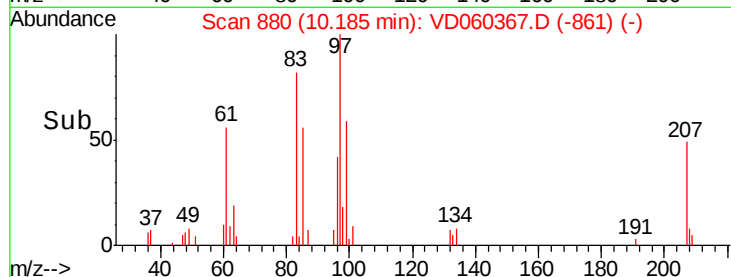
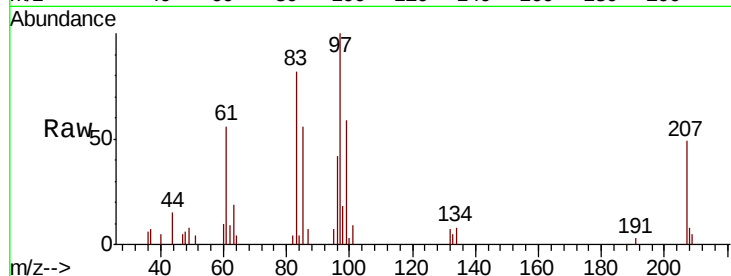




#55
 1,1,2-Trichloroethane
 Concen: 143.163 ug/l
 RT: 10.19 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060367.D
 Acq: 13 Nov 2018 18:20

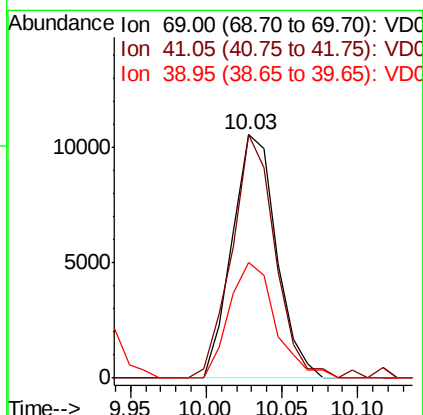
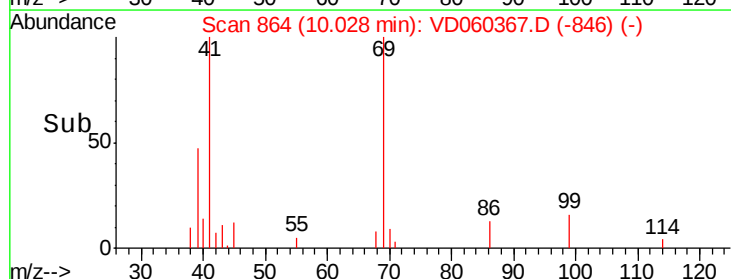
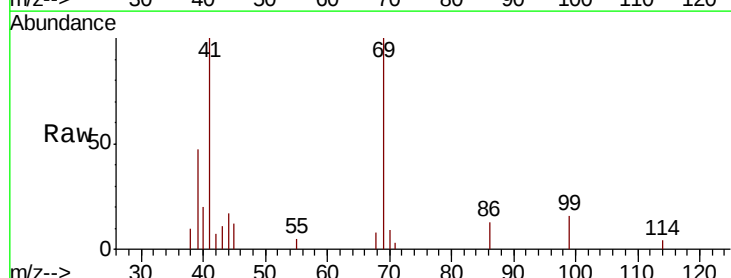
Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

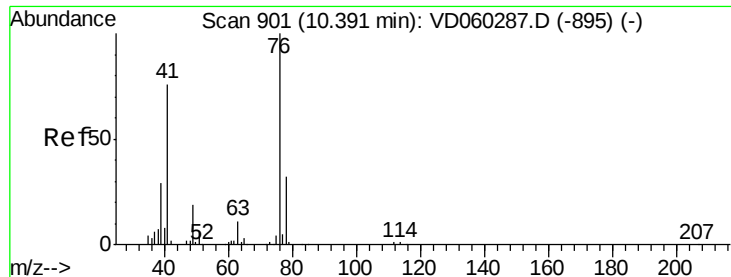
Tot Ion:	97	Resp:	20735
Ion	Ratio	Lower	Upper
97	100		
83	81.8	68.4	102.6
85	56.0	46.8	70.2
99	58.8	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 161.465 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. -0.02 min
 Lab File: VD060367.D
 Acq: 13 Nov 2018 18:20

Tgt Ion:	69	Resp:	21502
Ion	Ratio	Lower	Upper
69	100		
41	100.1	69.0	103.4
39	47.5	36.6	54.8





#57

1,3-Dichloropropane

Concen: 147.729 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

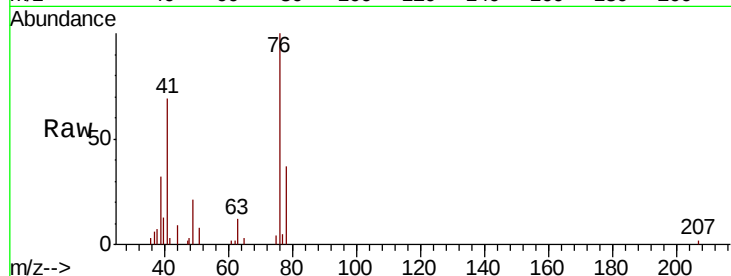
WALL-DMSD

Tot Ion: 76 Resp: 32603

Ion Ratio Lower Upper

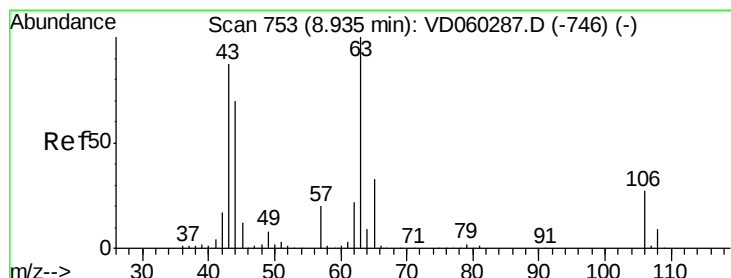
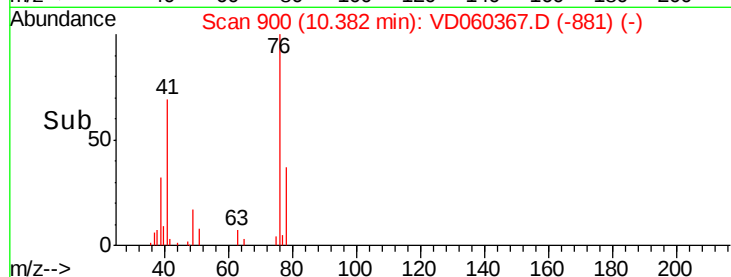
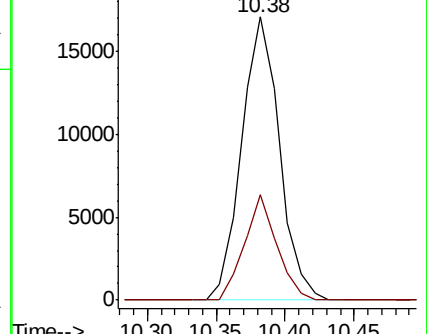
76 100

78 37.1 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: 858.868 ug/l

RT: 8.93 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060367.D

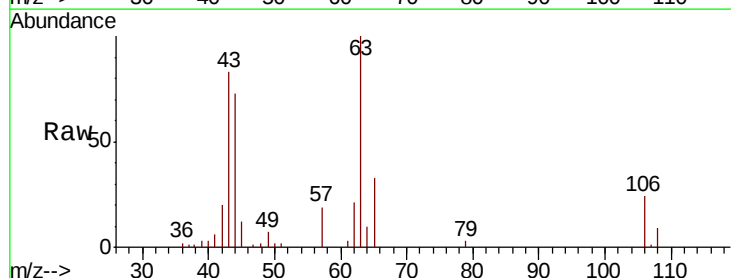
Acq: 13 Nov 2018 18:20

Tgt Ion: 63 Resp: 69156

Ion Ratio Lower Upper

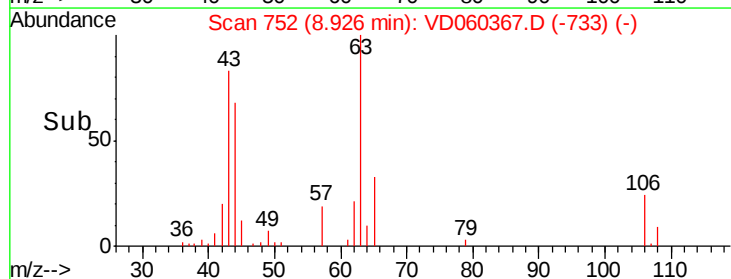
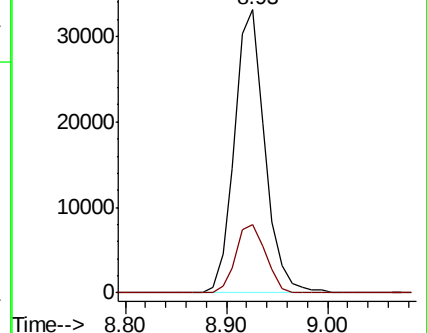
63 100

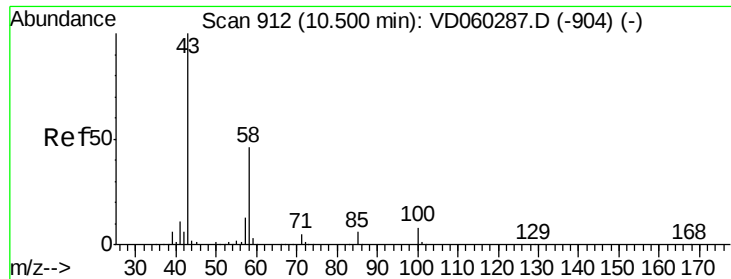
106 23.9 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

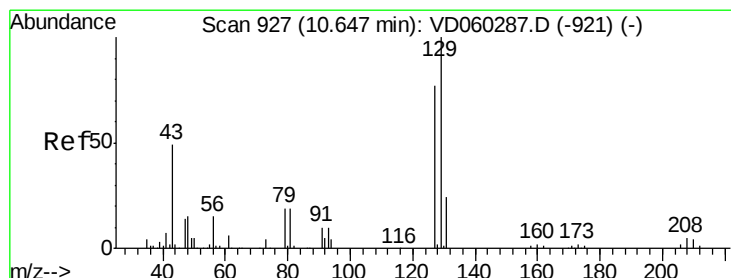
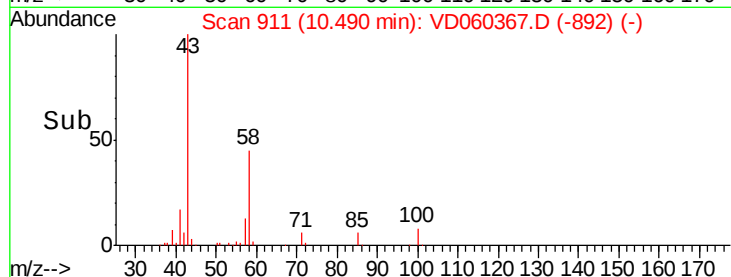
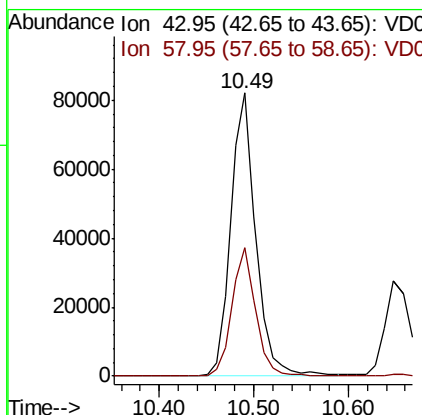
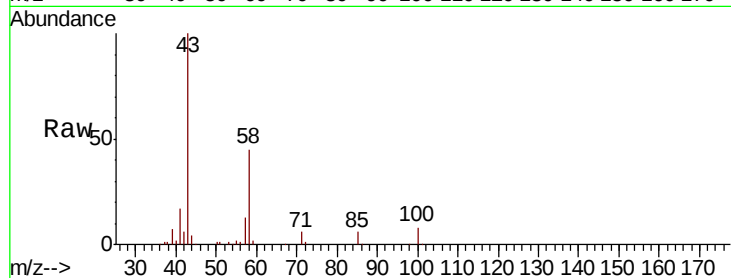




#59
2-Hexanone
Concen: 1821.273 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

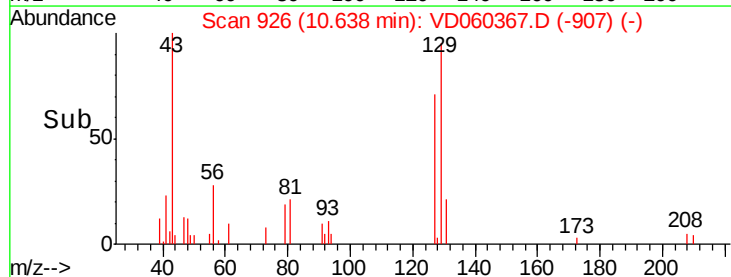
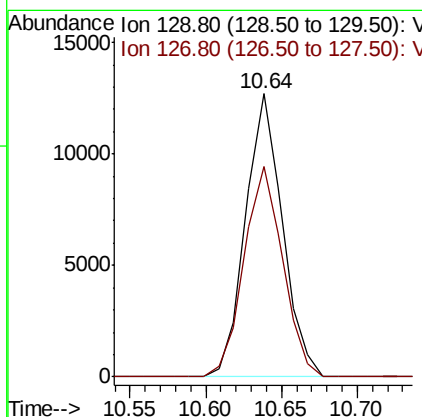
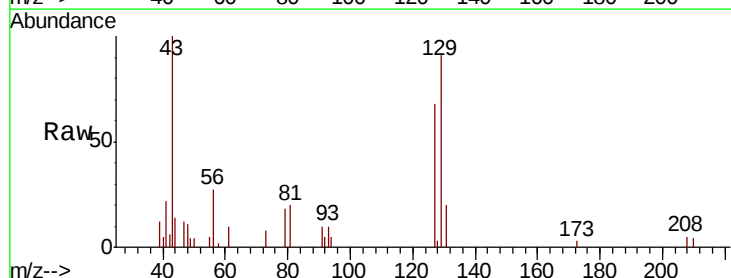
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

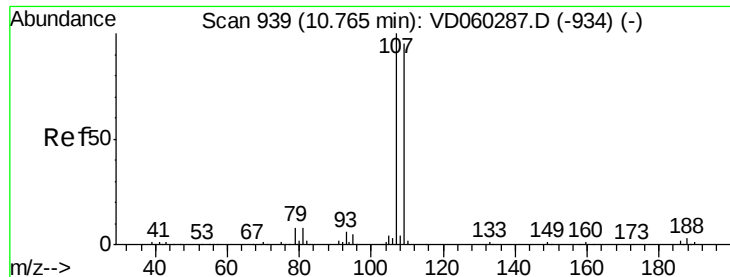
Tot Ion: 43 Resp: 149663
Ion Ratio Lower Upper
43 100
58 45.4 22.9 68.5



#60
Dibromochloromethane
Concen: 122.521 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Tgt Ion: 129 Resp: 21571
Ion Ratio Lower Upper
129 100
127 74.5 38.9 116.6





#61

1,2-Dibromoethane

Concen: 173.240 ug/l

RT: 10.76 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

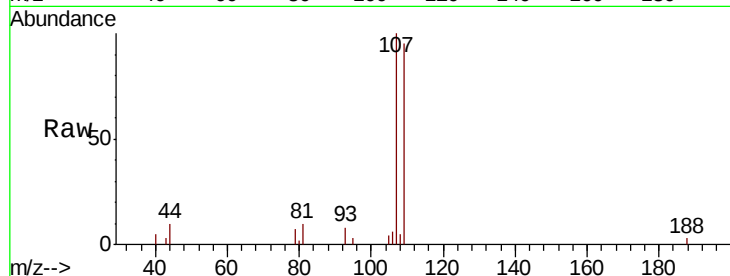
WALL-DMSD

Tot Ion:107 Resp: 25140

Ion Ratio Lower Upper

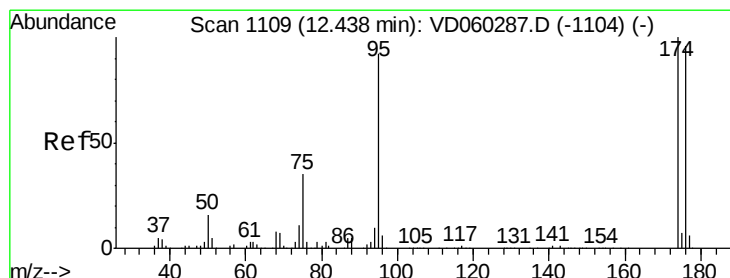
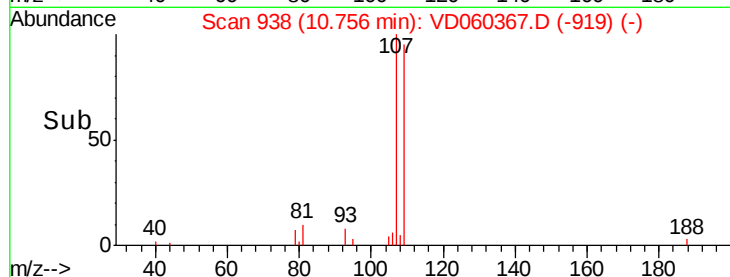
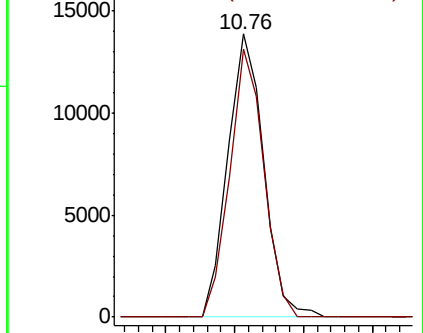
107 100

109 94.9 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: 173.240 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

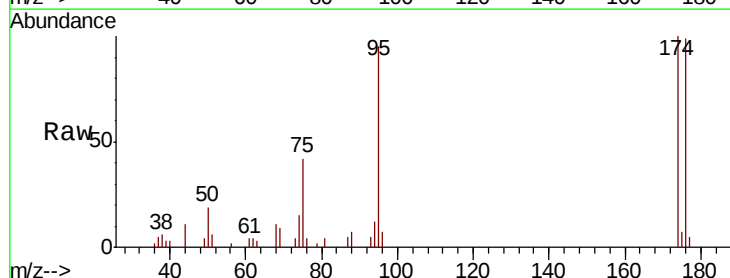
Tgt Ion: 95 Resp: 20957

Ion Ratio Lower Upper

95 100

174 105.2 0.0 160.8

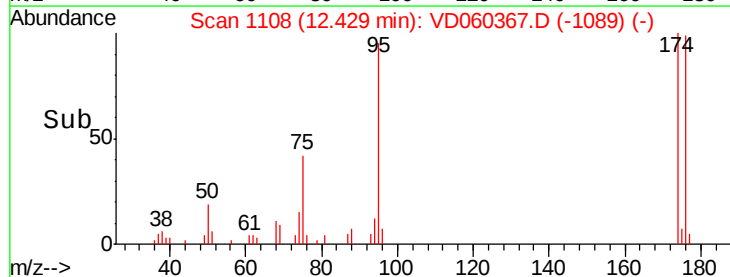
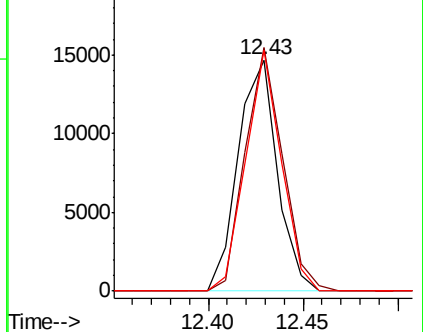
176 104.1 0.0 154.6

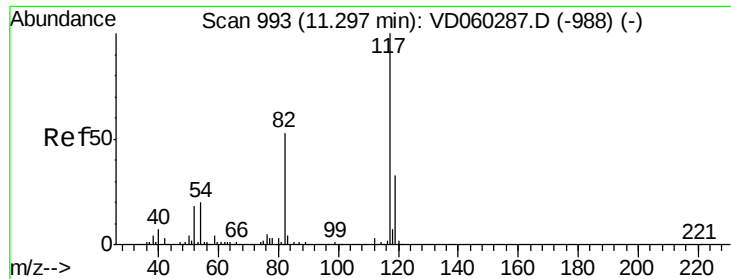


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

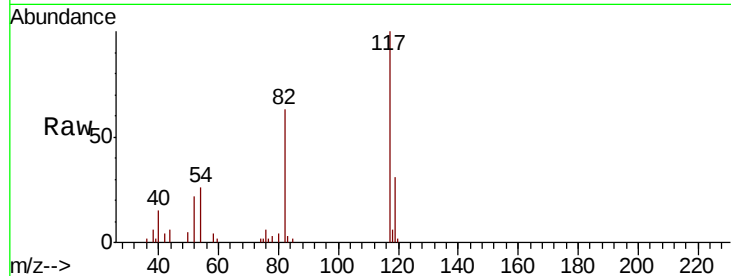




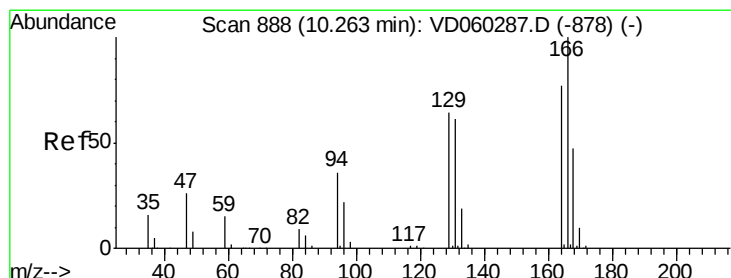
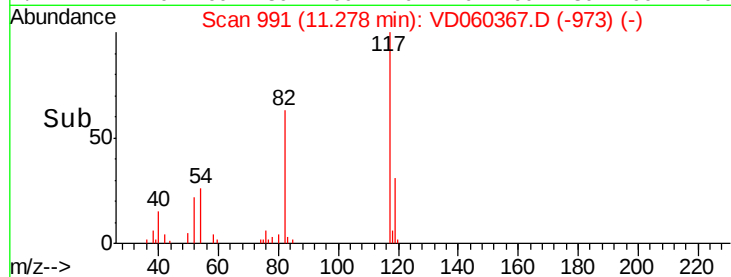
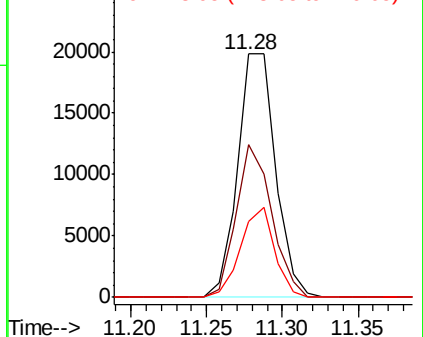
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

Tot Ion:117 Resp: 34567
Ion Ratio Lower Upper
117 100
82 62.9 43.7 65.5
119 31.4 26.1 39.1



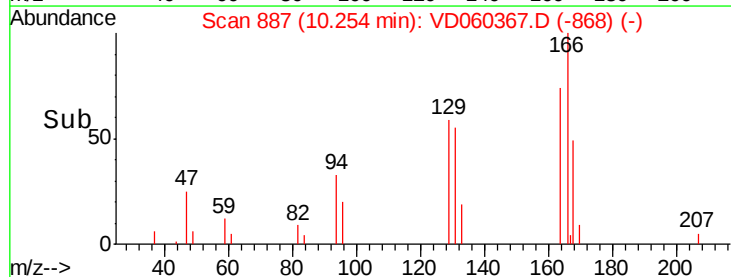
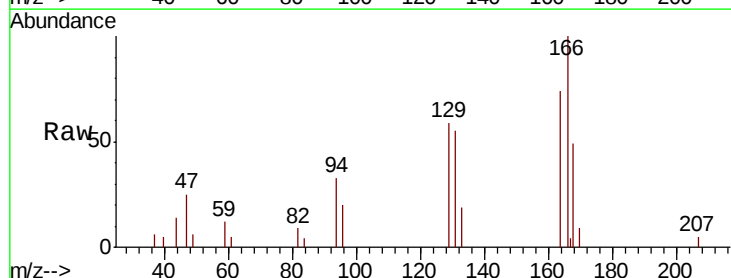
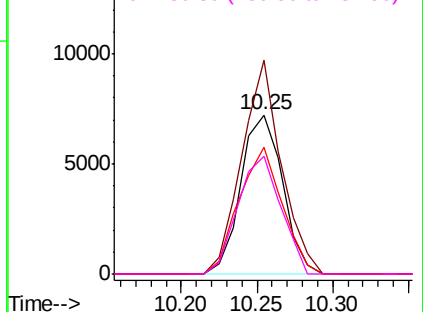
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

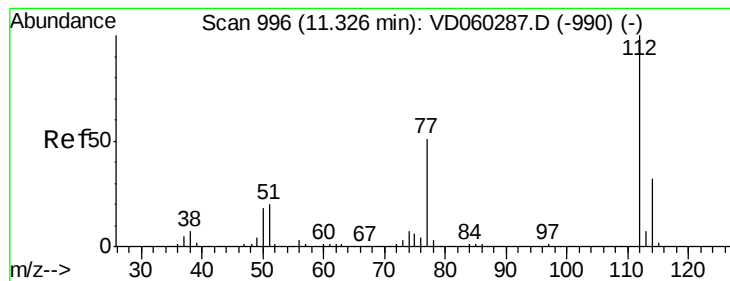


#64
Tetrachloroethene
Concen: 44.965 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Tgt Ion:164 Resp: 13876
Ion Ratio Lower Upper
164 100
166 134.5 103.7 155.5
129 79.4 65.6 98.4
131 74.5 64.4 96.6

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





#65

Chlorobenzene

Concen: 55.718 ug/l

RT: 11.32 min Scan# 995

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

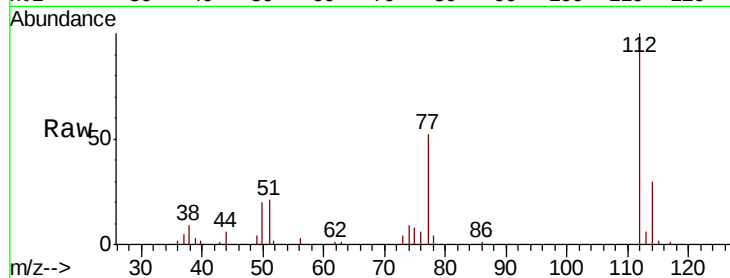
WALL-DMSD

Tot Ion:112 Resp: 41731

Ion Ratio Lower Upper

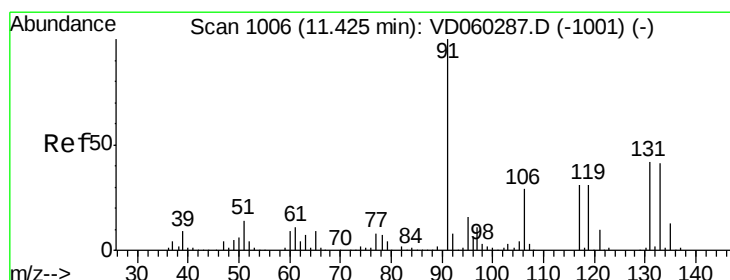
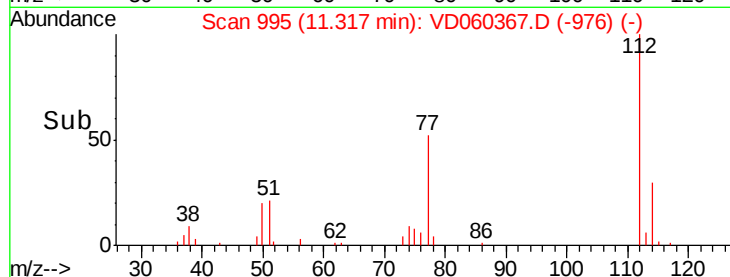
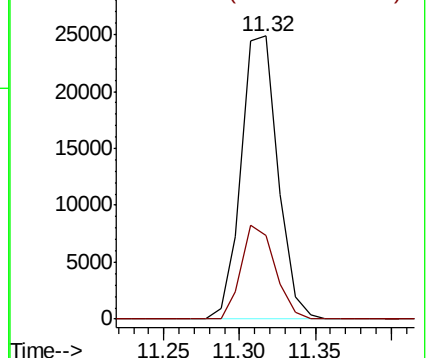
112 100

114 29.7 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 66.613 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

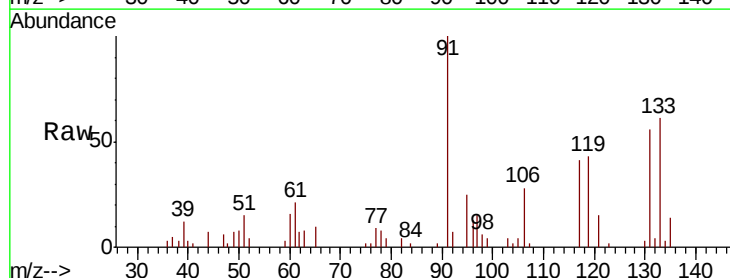
Tgt Ion:131 Resp: 16324

Ion Ratio Lower Upper

131 100

133 108.2 50.0 150.0

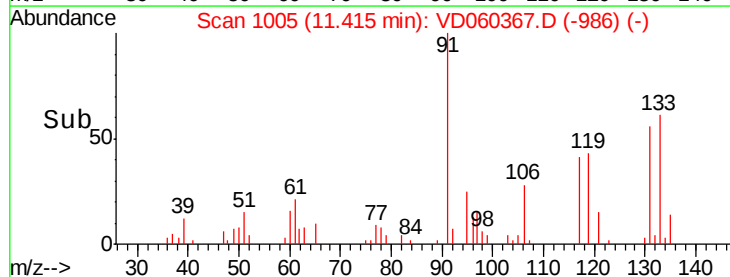
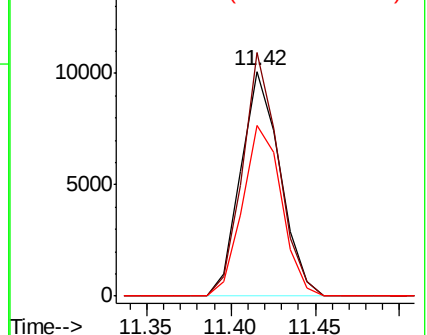
119 76.1 37.0 111.1

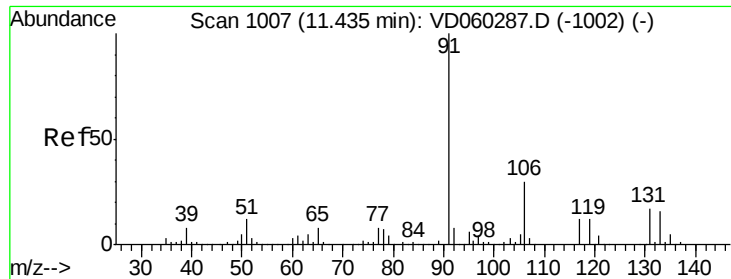


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

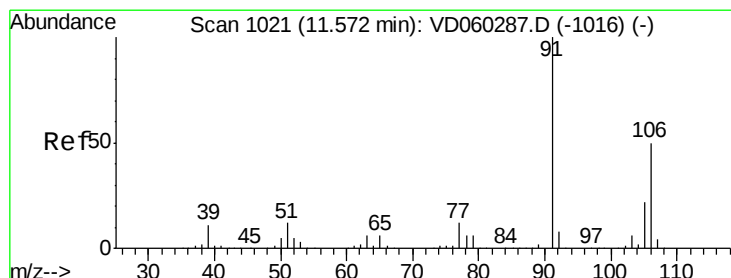
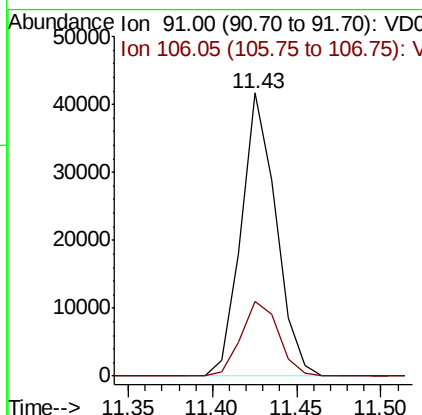
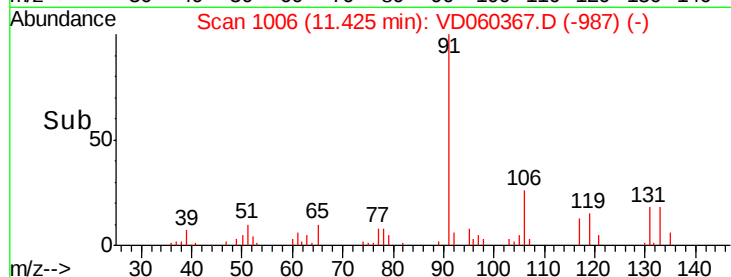
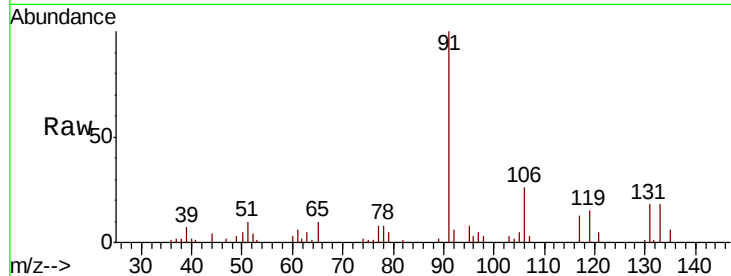




#67
Ethyl Benzene
Concen: 46.560 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

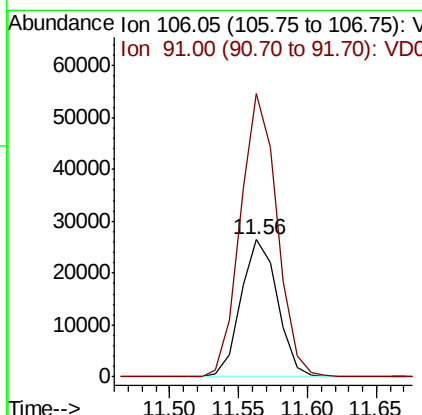
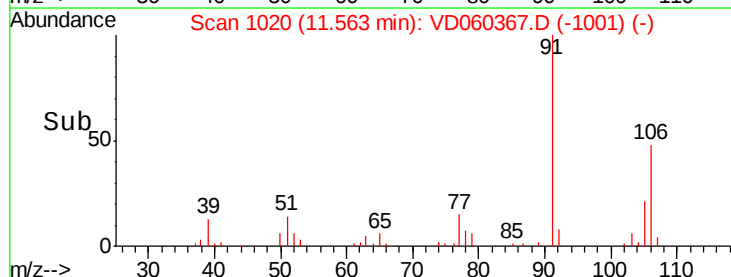
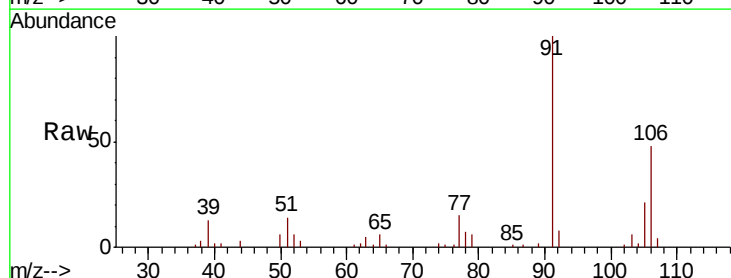
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

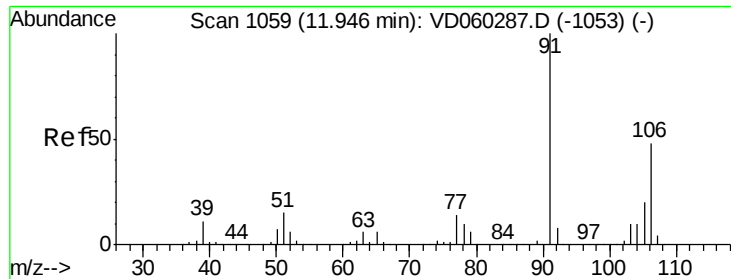
Tot Ion: 91 Resp: 59654
Ion Ratio Lower Upper
91 100
106 26.4 24.6 36.8



#68
m/p-Xylenes
Concen: 103.607 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Tgt Ion: 106 Resp: 48967
Ion Ratio Lower Upper
106 100
91 206.5 159.4 239.2

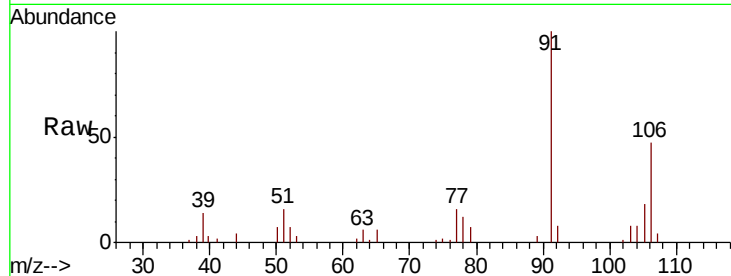




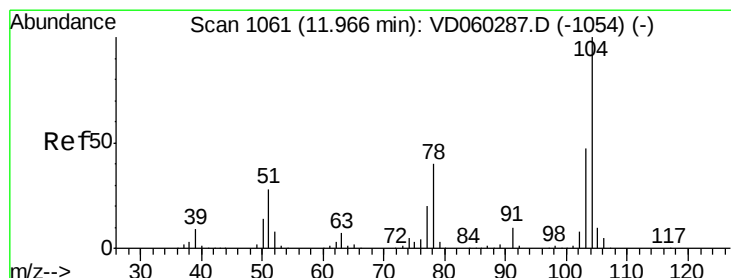
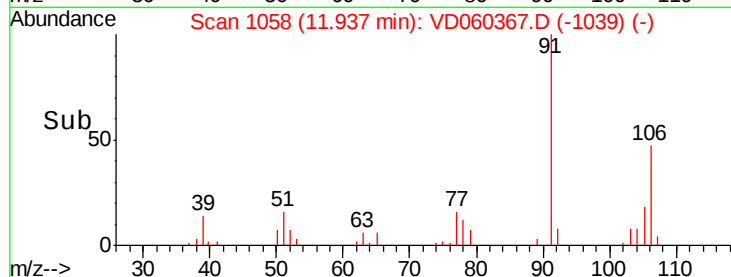
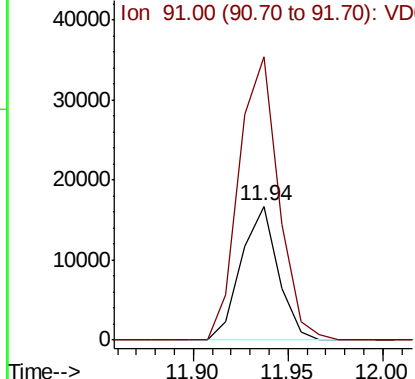
#69
o-Xylene
Concen: 49.497 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

Tot Ion:106 Resp: 22600
Ion Ratio Lower Upper
106 100
91 211.2 109.2 327.6

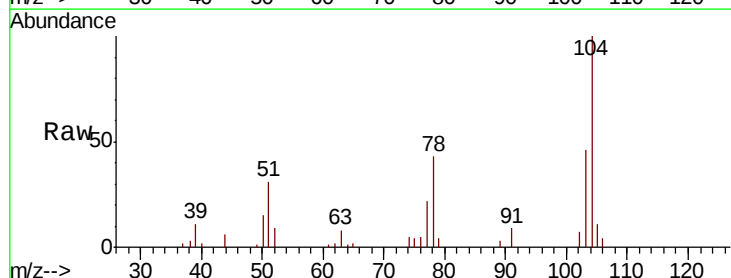


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

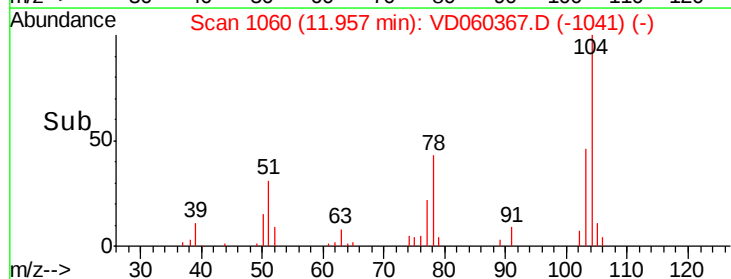
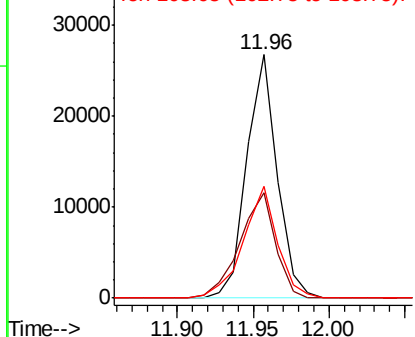


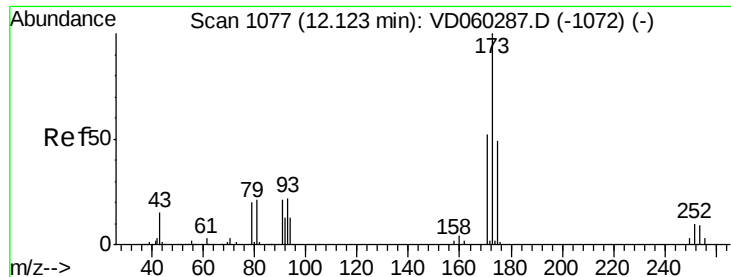
#70
Styrene
Concen: 50.591 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Tgt Ion:104 Resp: 37331
Ion Ratio Lower Upper
104 100
78 43.4 31.6 47.4
103 45.9 37.0 55.6



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





#71

Bromoform

Concen: 111.240 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

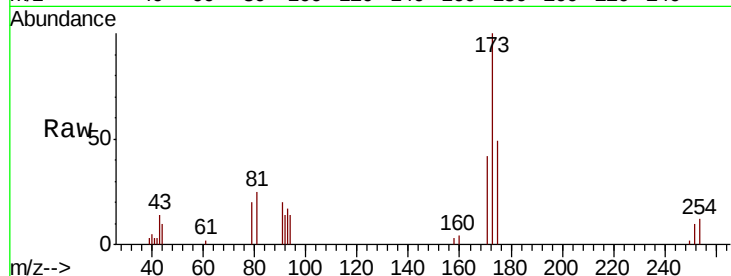
Tot Ion:173 Resp: 18318

Ion Ratio Lower Upper

173 100

175 48.8 24.3 73.0

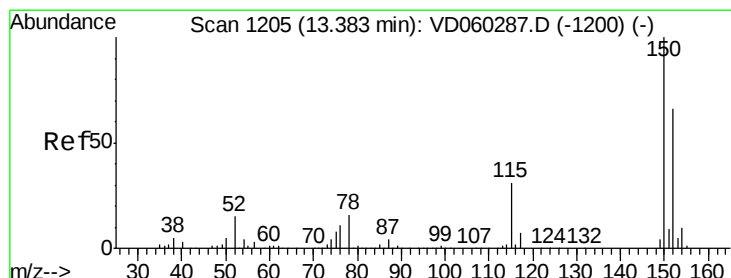
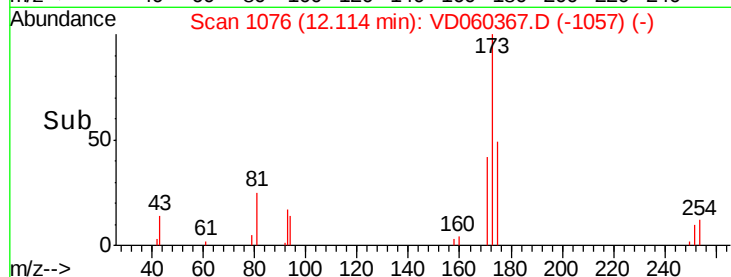
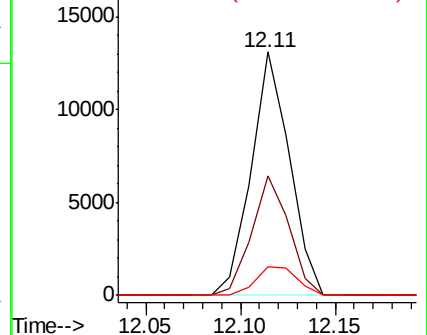
254 11.8 8.3 12.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

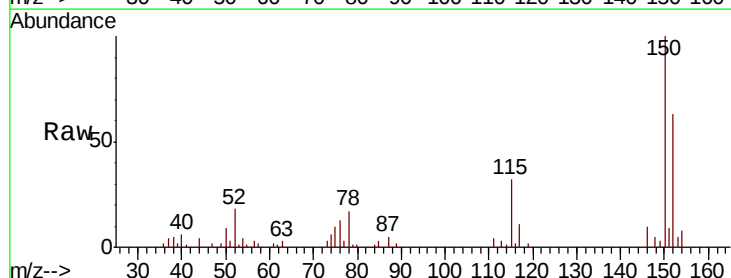
Tgt Ion:152 Resp: 22787

Ion Ratio Lower Upper

152 100

115 50.6 24.1 72.3

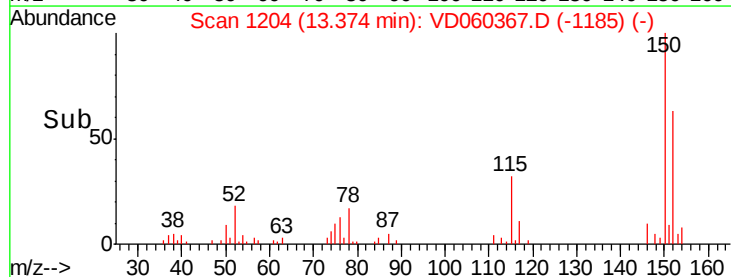
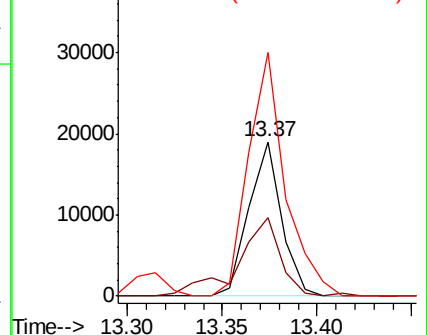
150 157.8 0.0 310.6

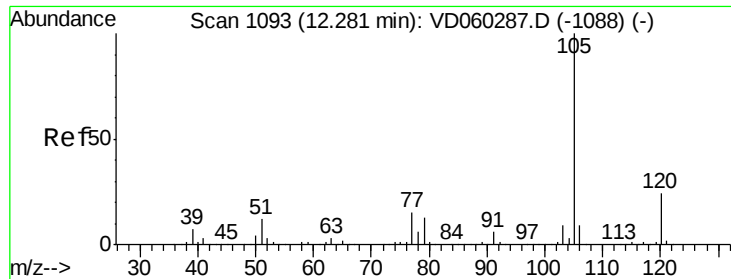


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 28.918 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

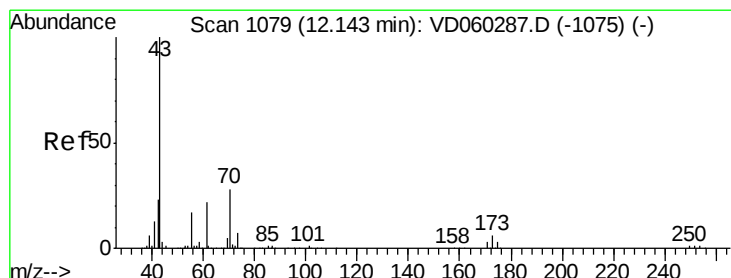
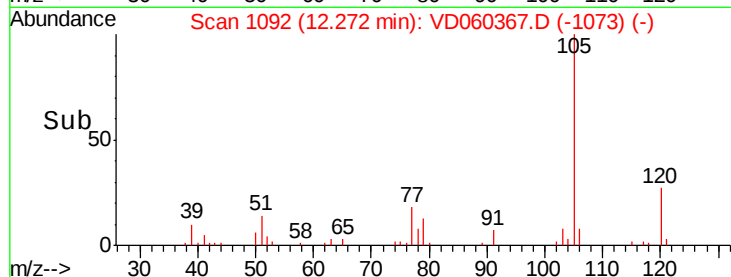
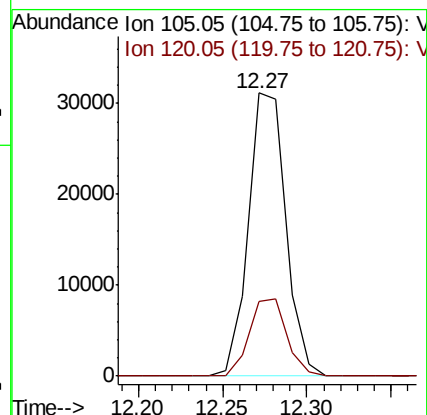
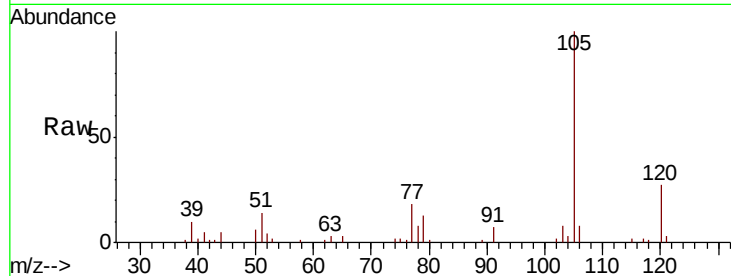
WALL-DMSD

Tot Ion:105 Resp: 48010

Ion Ratio Lower Upper

105 100

120 26.6 12.1 36.3



#74

N-ethyl acetate

Concen: 101.447 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Tgt Ion: 43 Resp: 43180

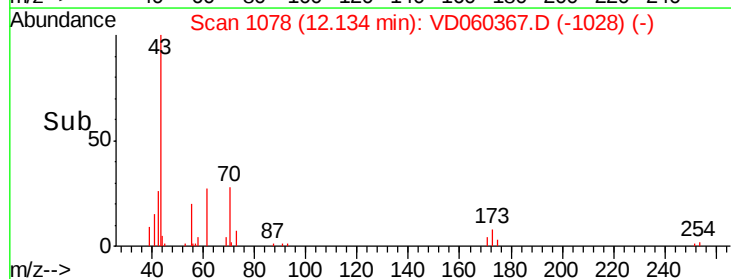
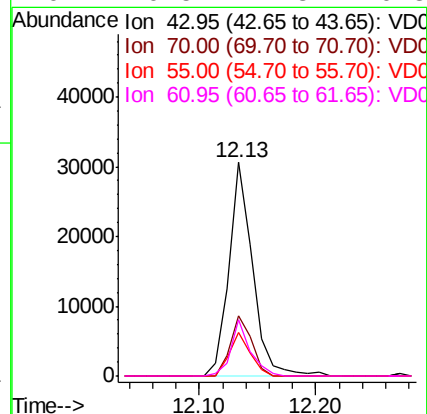
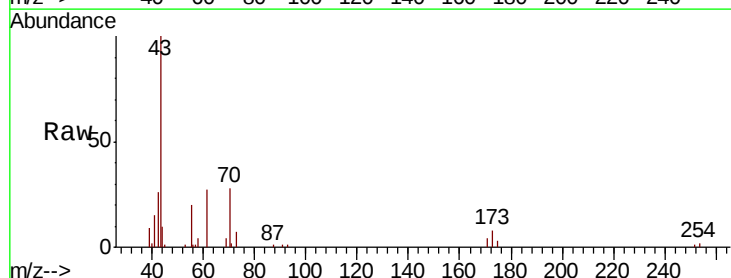
Ion Ratio Lower Upper

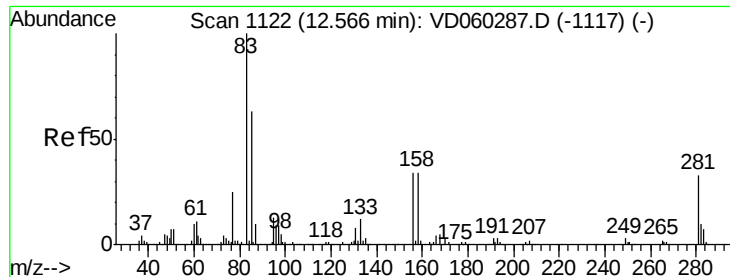
43 100

70 28.5 23.0 34.4

55 20.4 14.2 21.4

61 26.5 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 143.940 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

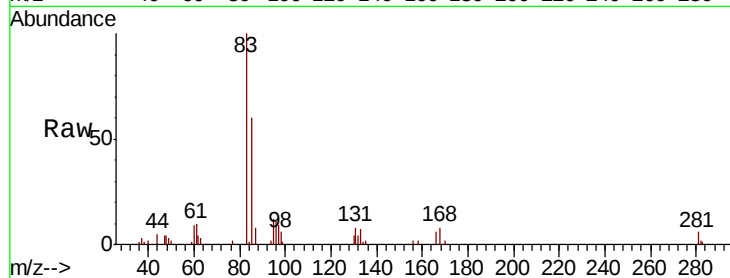
Tot Ion: 83 Resp: 39082

Ion Ratio Lower Upper

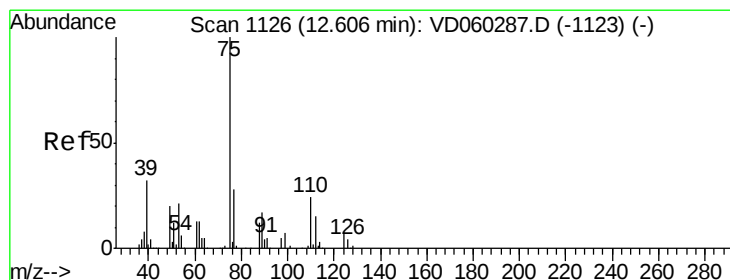
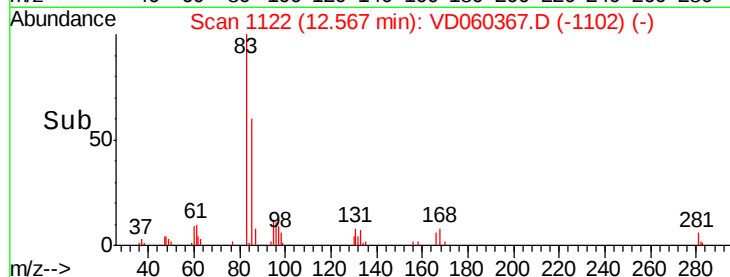
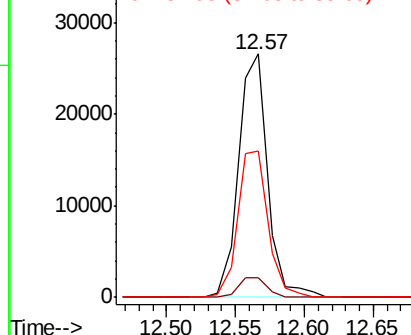
83 100

131 7.9 3.9 11.5

85 60.1 32.0 96.0



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



#76

1,2,3-Trichloropropane

Concen: 135.077 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060367.D

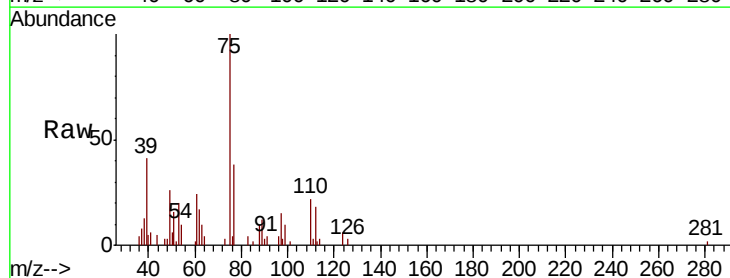
Acq: 13 Nov 2018 18:20

Tgt Ion: 75 Resp: 36820

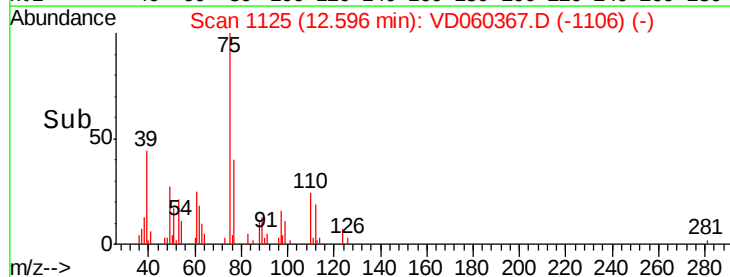
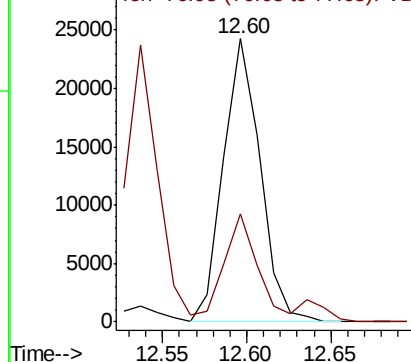
Ion Ratio Lower Upper

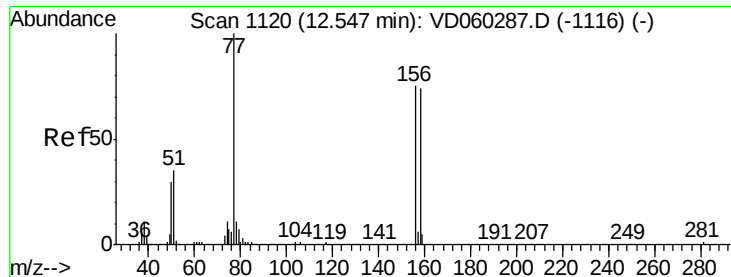
75 100

77 38.2 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: 49.259 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

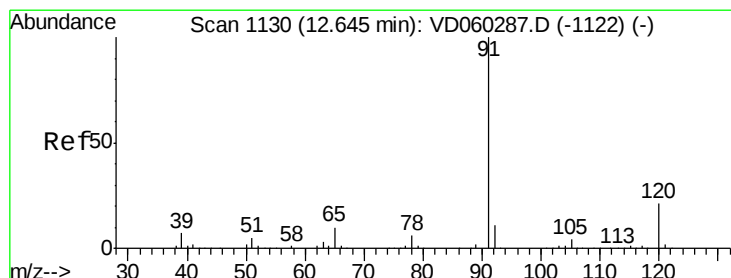
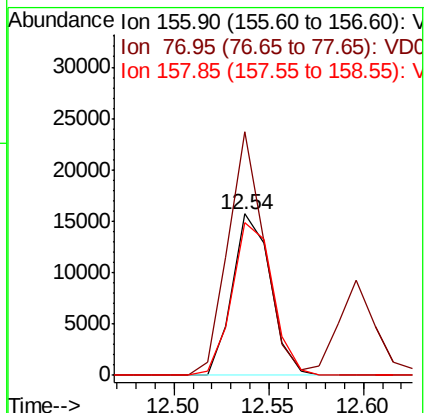
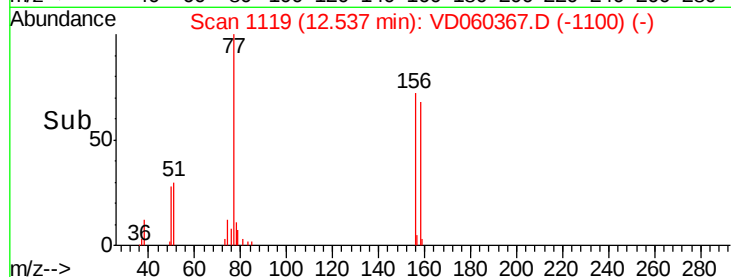
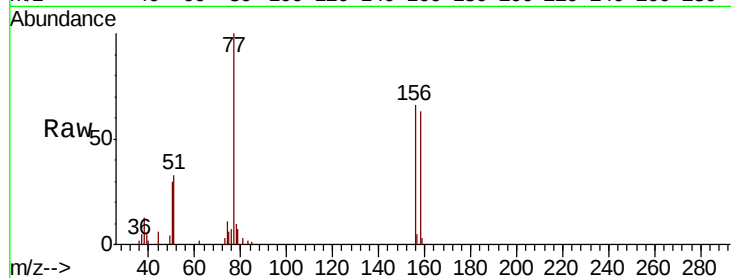
Tot Ion:156 Resp: 21723

Ion Ratio Lower Upper

156 100

77 151.1 61.2 183.6

158 94.8 49.2 147.6



#78

n-propylbenzene

Concen: 32.484 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060367.D

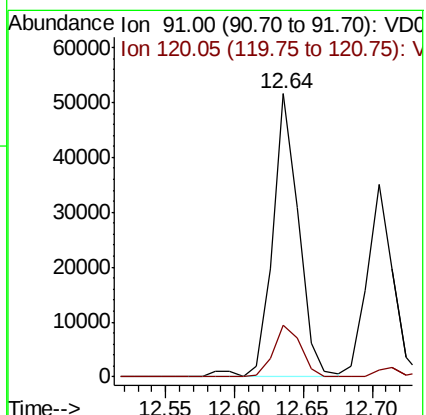
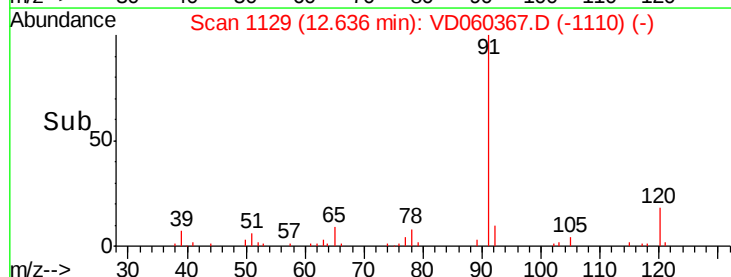
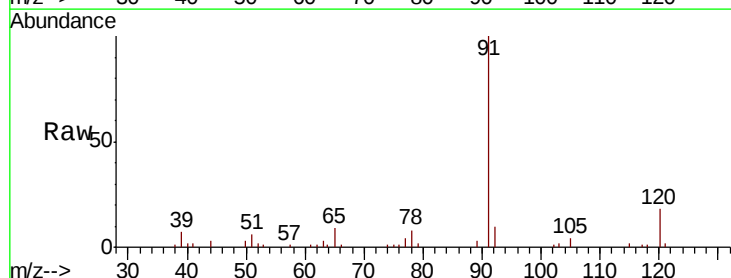
Acq: 13 Nov 2018 18:20

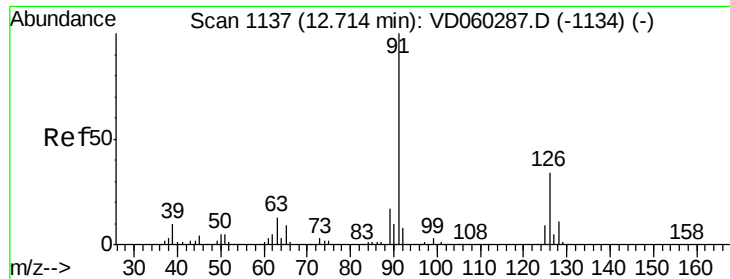
Tgt Ion: 91 Resp: 67314

Ion Ratio Lower Upper

91 100

120 18.3 10.4 31.4

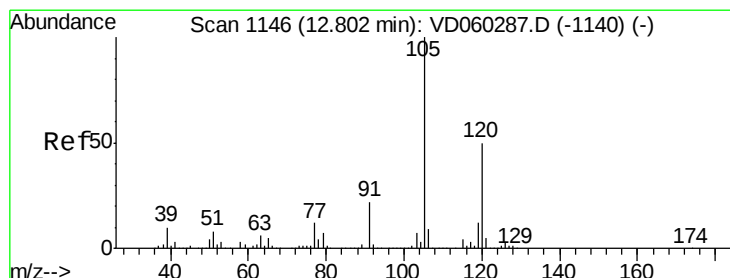
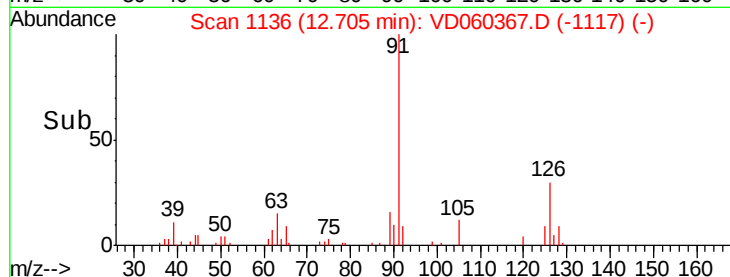
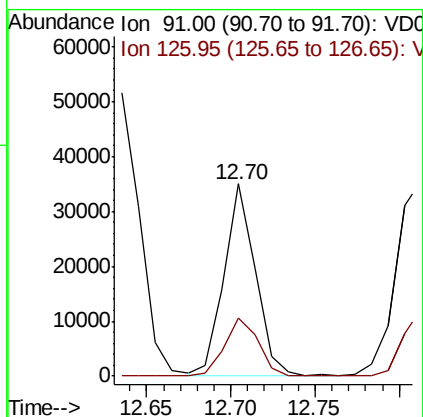
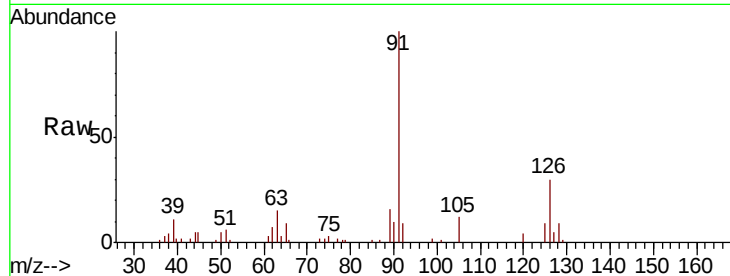




#79
2-Chlorotoluene
Concen: 39.958 ug/l
RT: 12.70 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

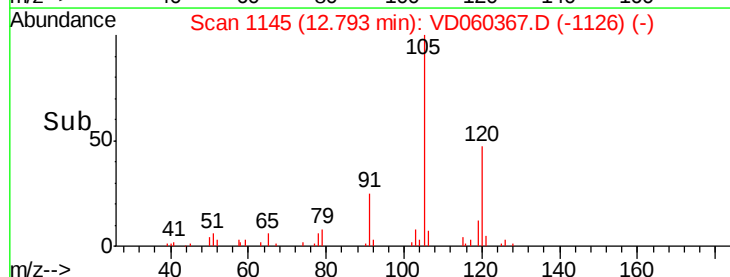
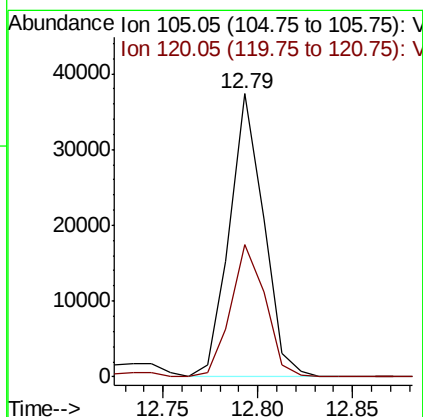
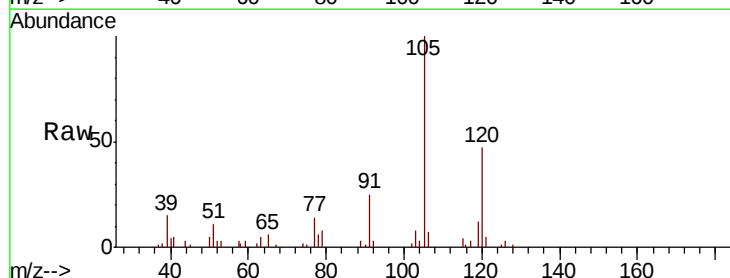
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

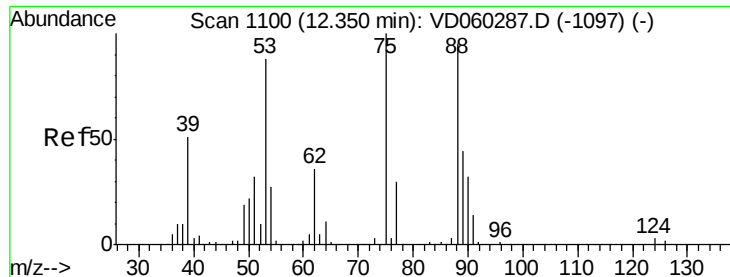
Tot Ion: 91 Resp: 45350
Ion Ratio Lower Upper
91 100
126 30.3 17.4 52.2



#80
1,3,5-Trimethylbenzene
Concen: 36.054 ug/l
RT: 12.79 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Tgt Ion:105 Resp: 46518
Ion Ratio Lower Upper
105 100
120 47.0 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 104.259 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

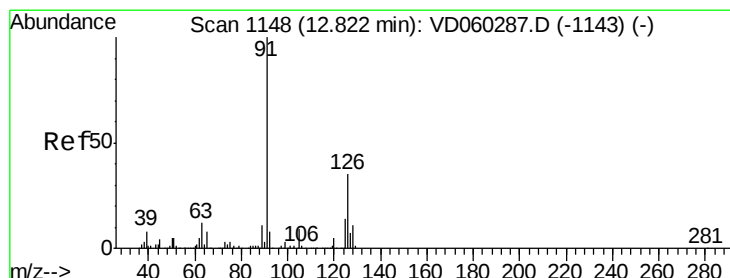
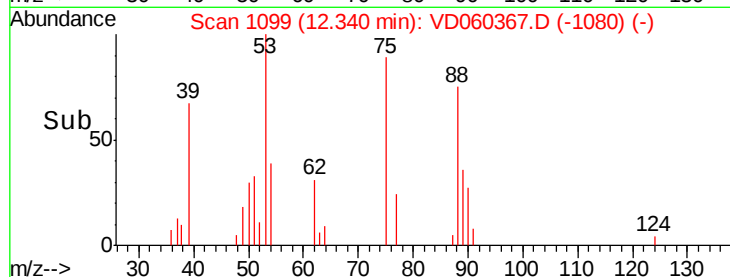
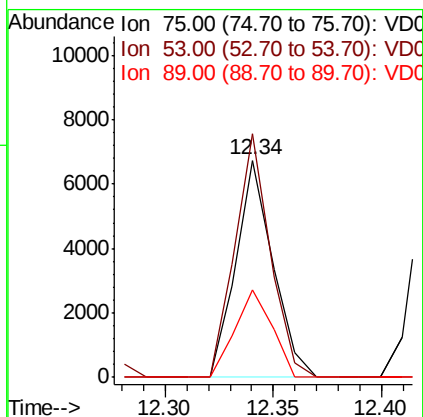
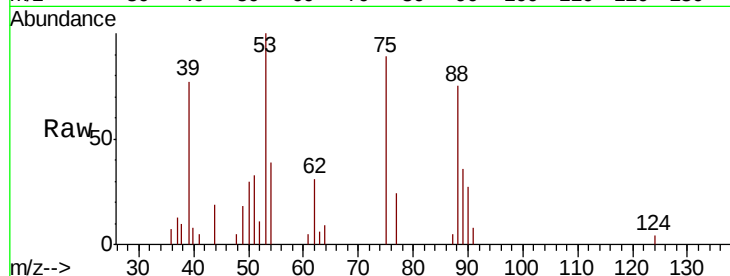
Tot Ion: 75 Resp: 8091

Ion Ratio Lower Upper

75 100

53 112.3 68.6 103.0#

89 40.4 34.1 51.1



#82

4-Chlorotoluene

Concen: 42.114 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060367.D

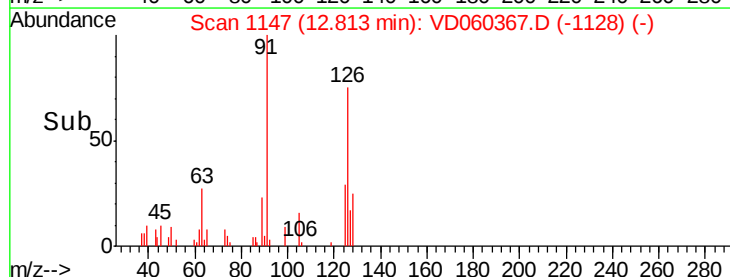
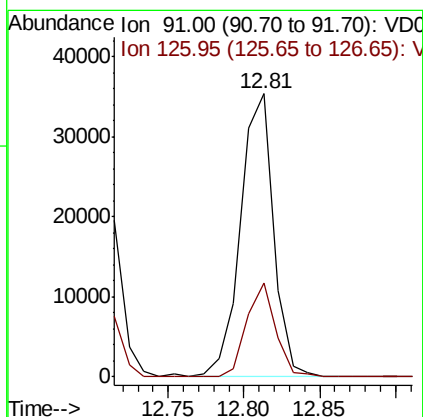
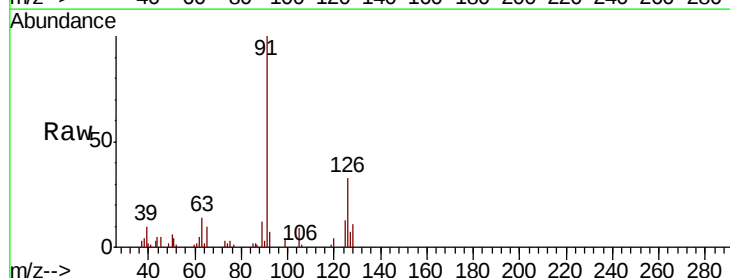
Acq: 13 Nov 2018 18:20

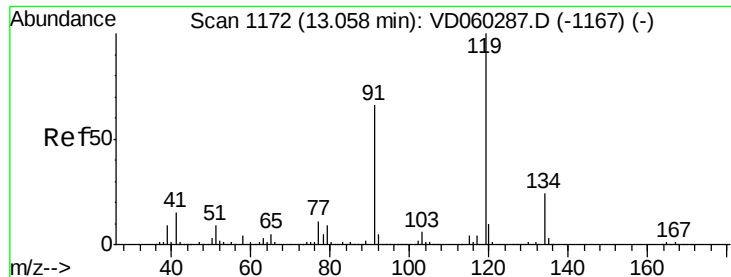
Tgt Ion: 91 Resp: 53692

Ion Ratio Lower Upper

91 100

126 33.1 14.8 44.4

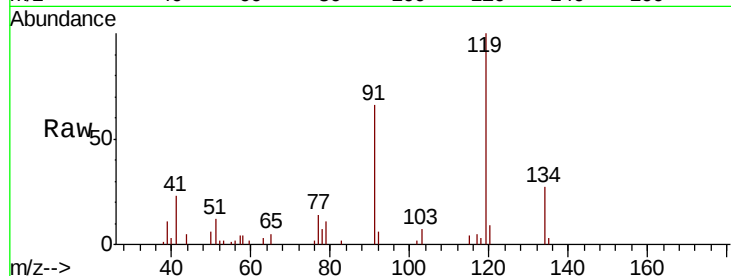




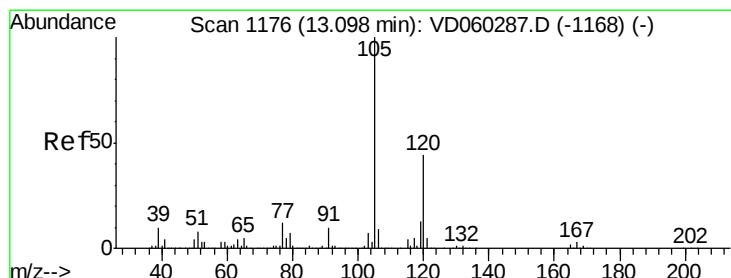
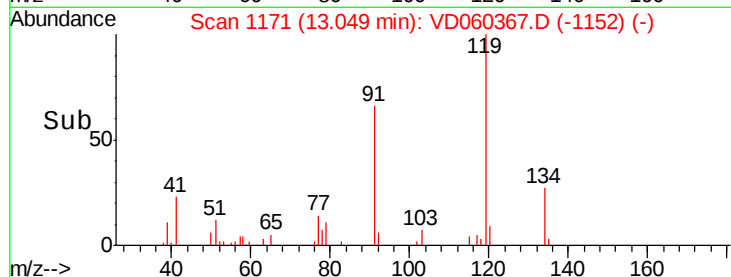
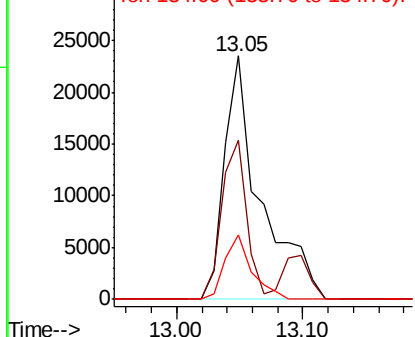
#83
tert-Butylbenzene
Concen: 32.568 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

Tot Ion:119 Resp: 46652
Ion Ratio Lower Upper
119 100
91 65.5 32.7 98.1
134 26.7 12.1 36.3

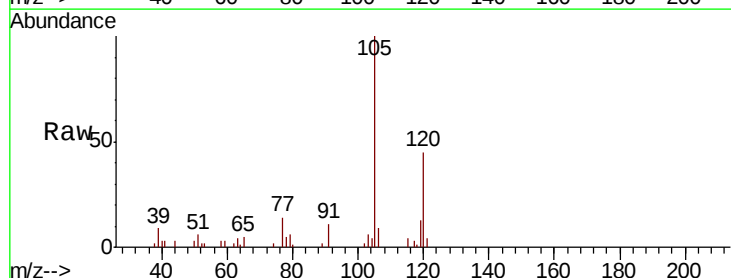


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

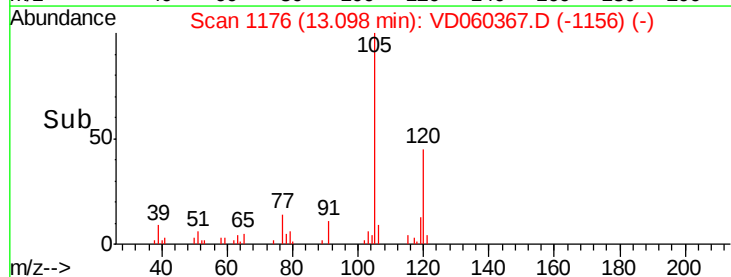
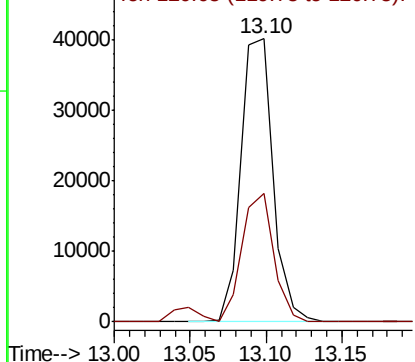


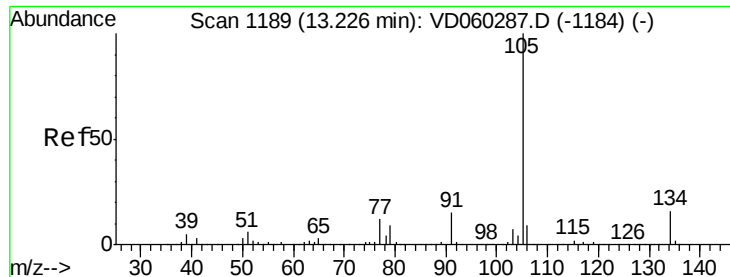
#84
1,2,4-Trimethylbenzene
Concen: 45.840 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Tgt Ion:105 Resp: 59067
Ion Ratio Lower Upper
105 100
120 45.4 21.9 65.8



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

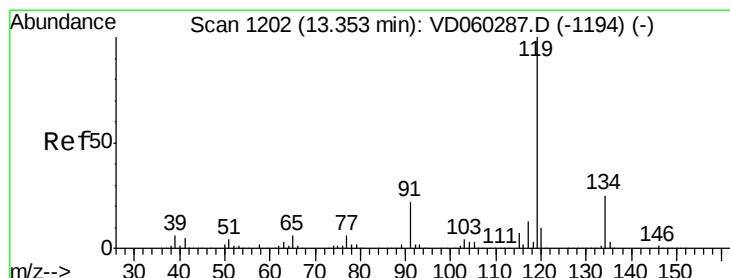
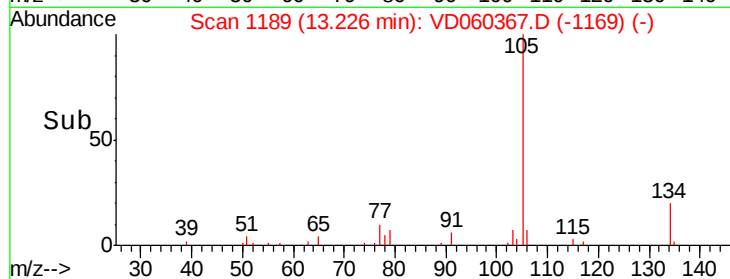
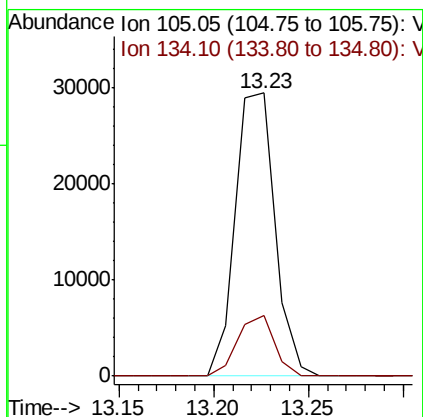
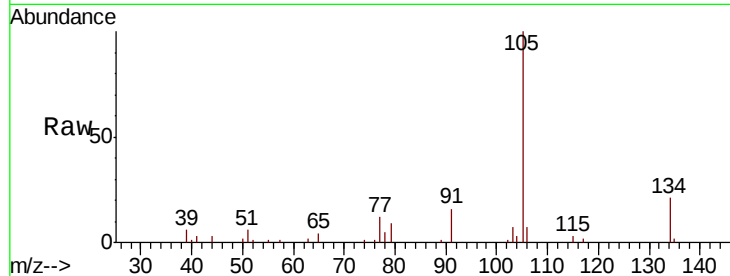




#85
 sec-Butylbenzene
 Concen: 24.269 ug/l
 RT: 13.23 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060367.D
 Acq: 13 Nov 2018 18:20

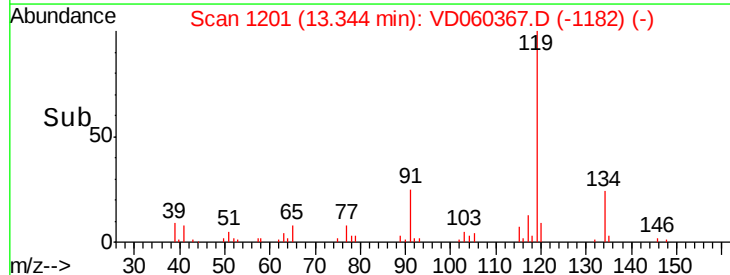
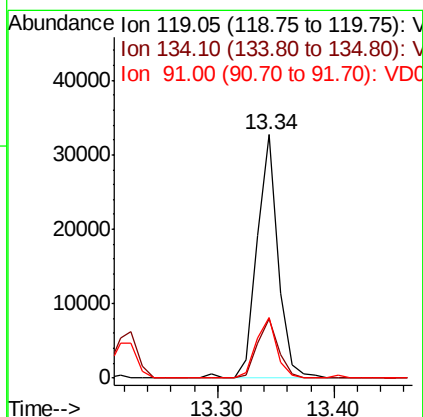
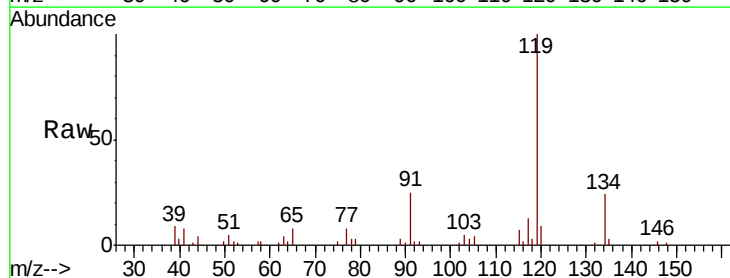
Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

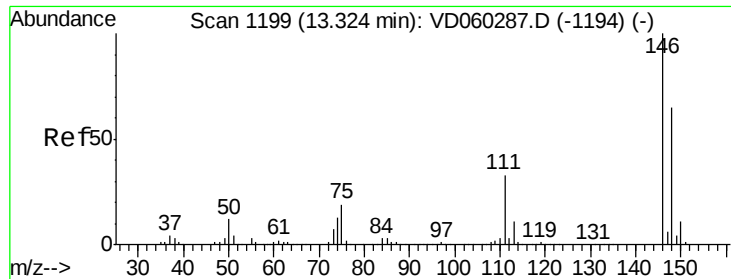
Tot Ion:105 Resp: 42652
 Ion Ratio Lower Upper
 105 100
 134 21.4 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 28.766 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060367.D
 Acq: 13 Nov 2018 18:20

Tgt Ion:119 Resp: 40711
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.9 38.6
 91 24.8 11.3 33.8

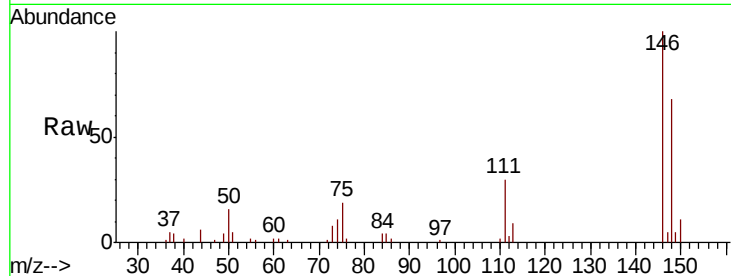




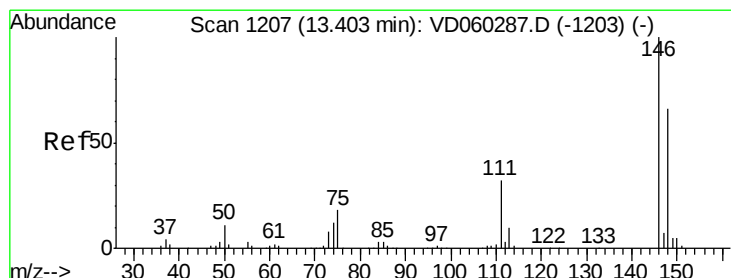
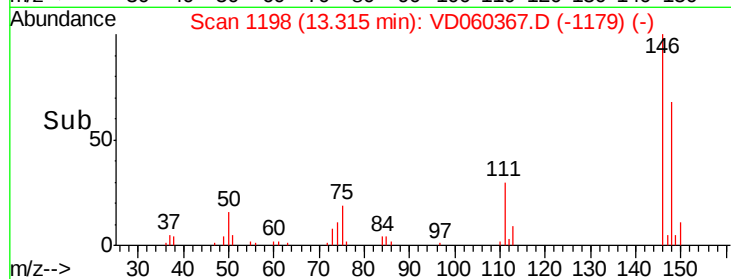
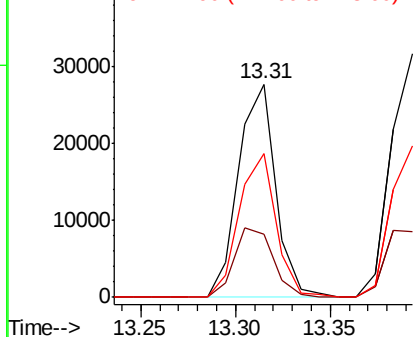
#87
 1,3-Dichlorobenzene
 Concen: 48.081 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060367.D
 Acq: 13 Nov 2018 18:20

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

Tot Ion:146 Resp: 37724
 Ion Ratio Lower Upper
 146 100
 111 29.6 20.2 60.5
 148 67.7 32.0 96.0

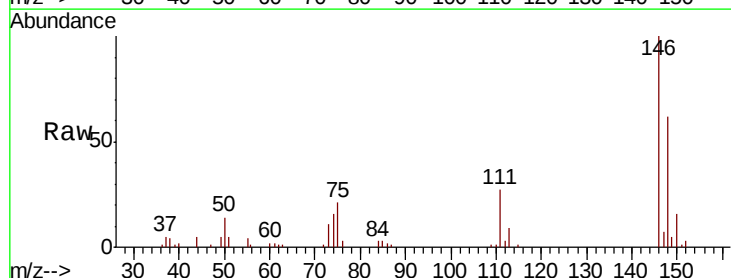


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

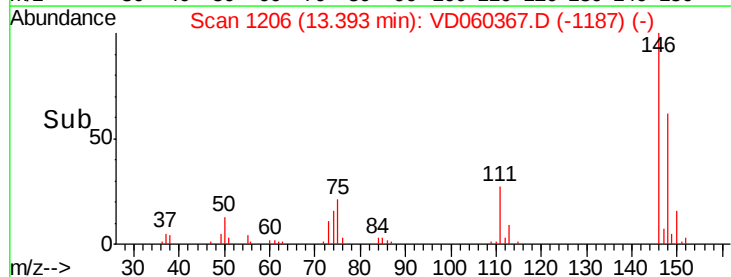
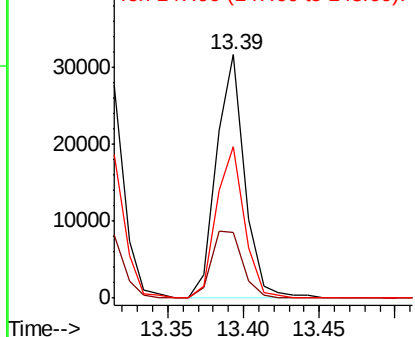


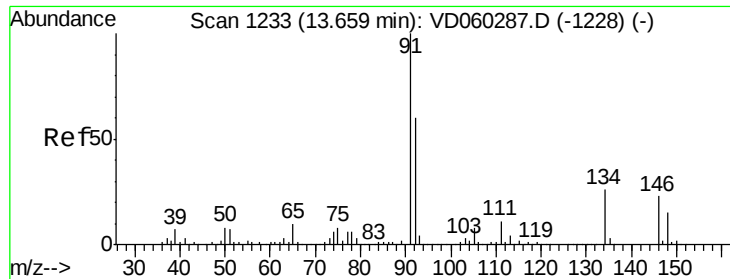
#88
 1,4-Dichlorobenzene
 Concen: 53.725 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060367.D
 Acq: 13 Nov 2018 18:20

Tgt Ion:146 Resp: 41167
 Ion Ratio Lower Upper
 146 100
 111 27.1 16.0 47.9
 148 62.1 32.9 98.7



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

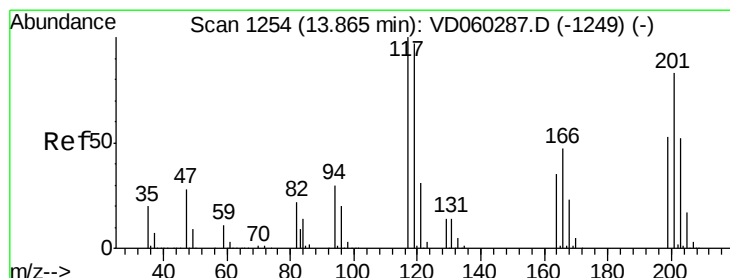
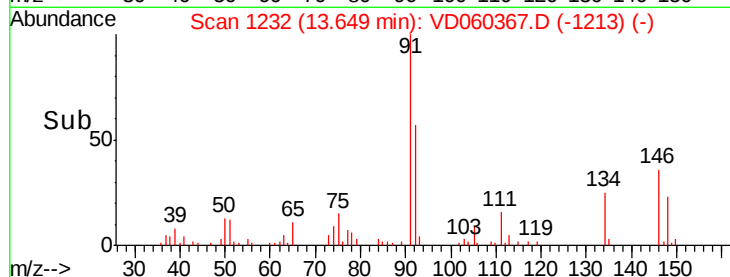
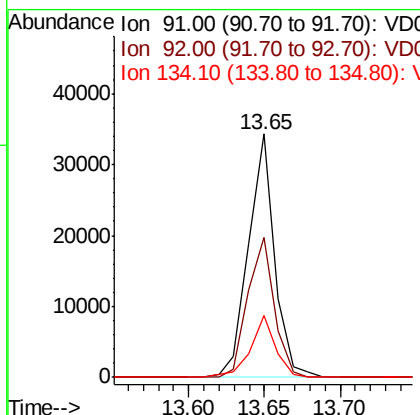
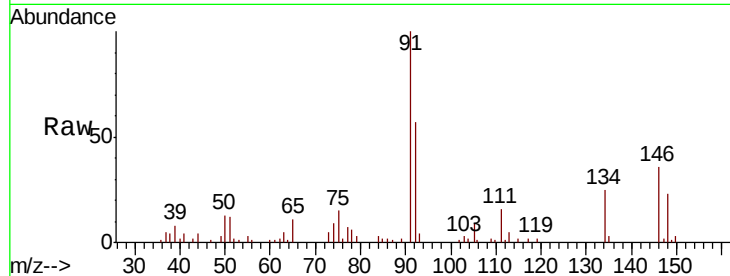




#89
n-Butylbenzene
Concen: 27.465 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

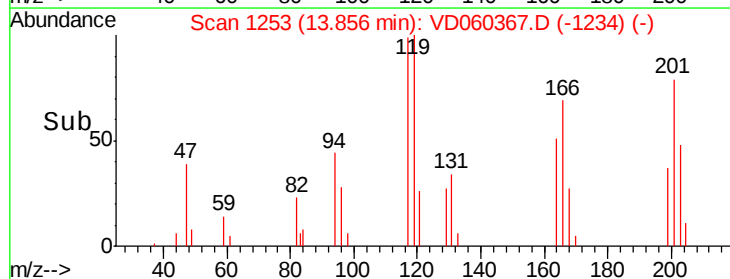
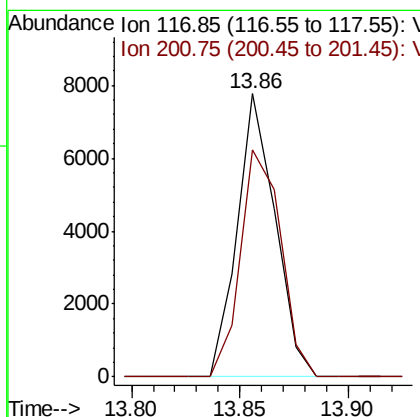
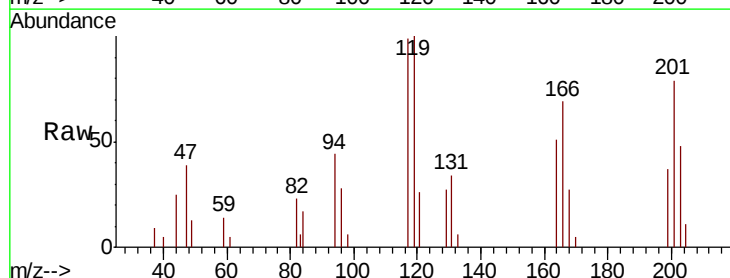
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

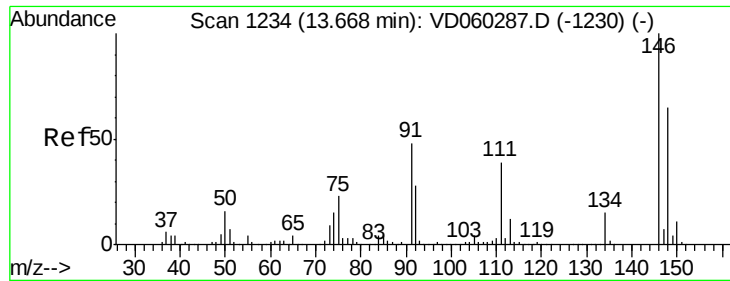
Tot Ion: 91 Resp: 41249
Ion Ratio Lower Upper
91 100
92 57.4 30.3 90.9
134 25.3 13.0 38.9



#90
Hexachloroethane
Concen: 28.213 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Tgt Ion: 117 Resp: 9468
Ion Ratio Lower Upper
117 100
201 80.0 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 60.210 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

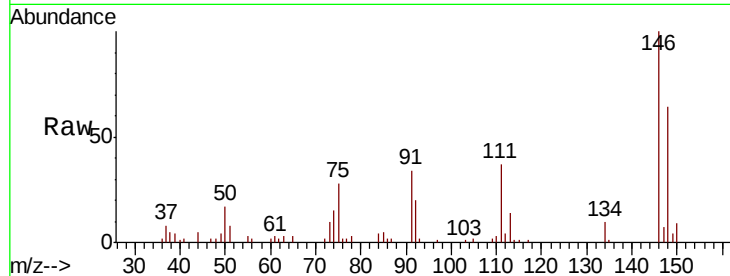
Tot Ion:146 Resp: 38802

Ion Ratio Lower Upper

146 100

111 36.8 18.9 56.9

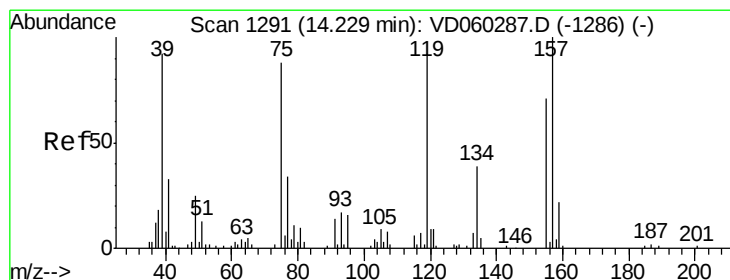
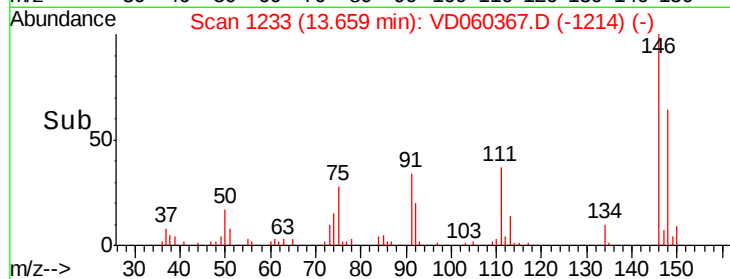
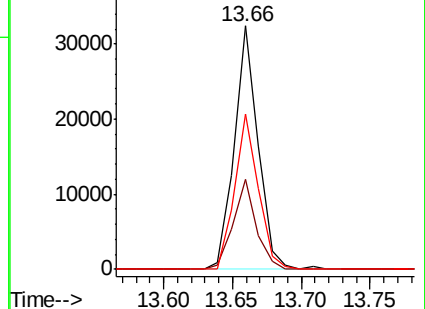
148 63.5 31.6 94.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 179.374 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VD060367.D

Acq: 13 Nov 2018 18:20

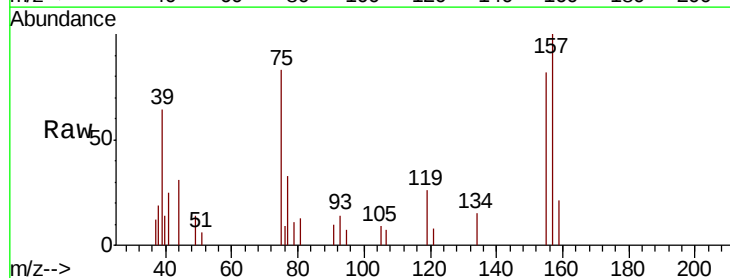
Tgt Ion: 75 Resp: 5879

Ion Ratio Lower Upper

75 100

155 98.6 64.3 192.9

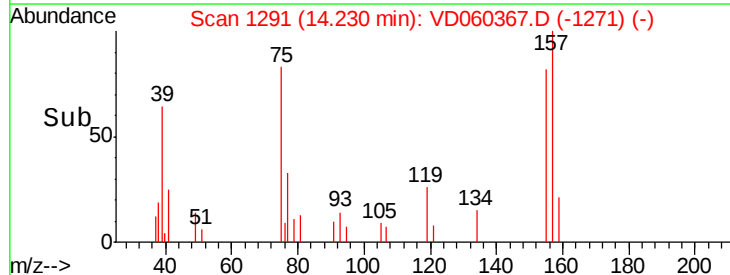
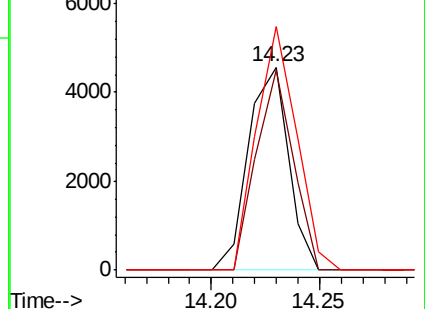
157 120.0 81.0 243.1

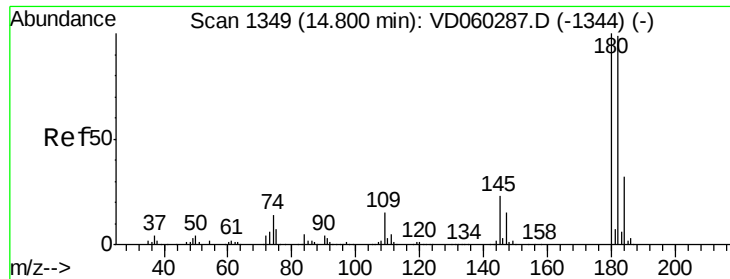


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

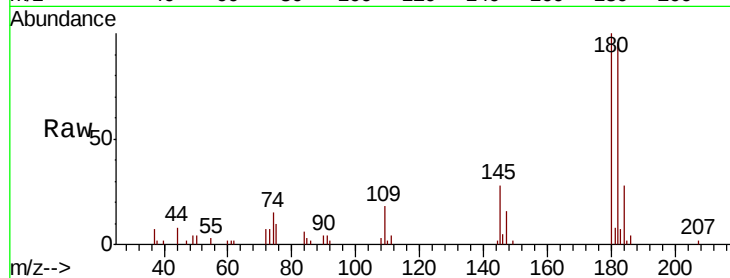




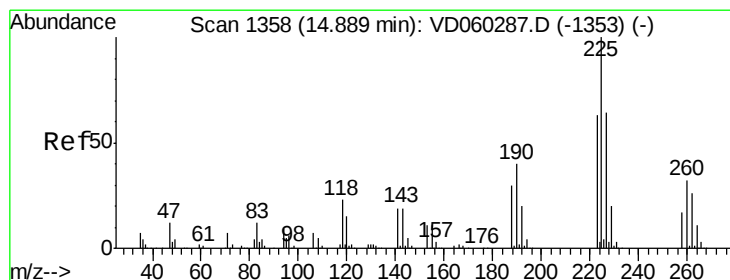
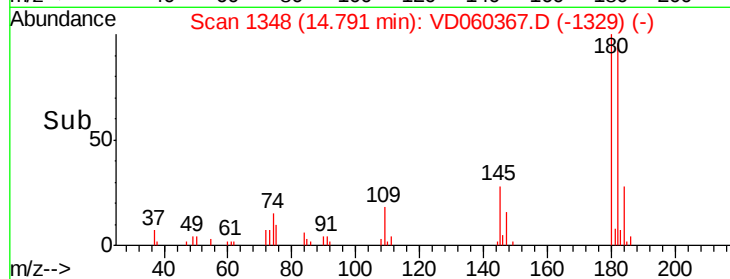
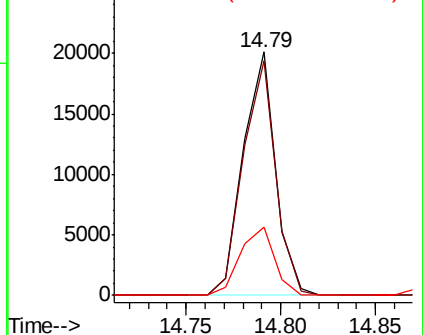
#93
 1,2,4-Trichlorobenzene
 Concen: 46.554 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060367.D
 Acq: 13 Nov 2018 18:20

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

Tot Ion:180 Resp: 23787
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.1 144.4
 145 28.1 11.5 34.4

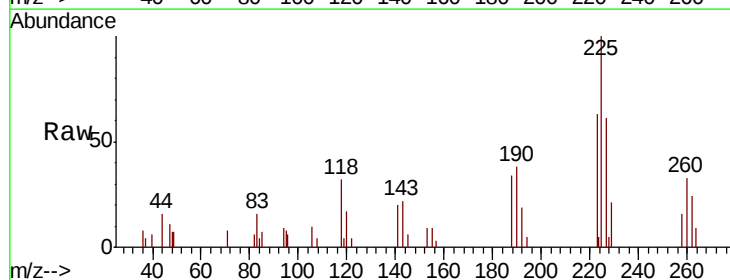


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

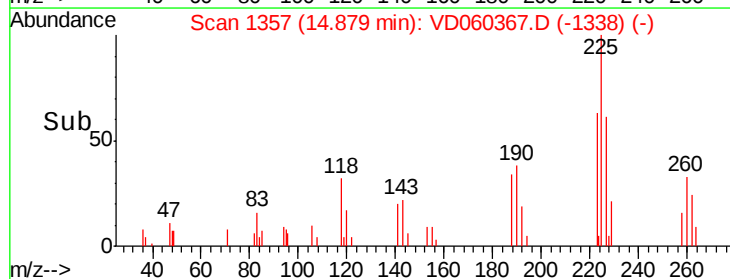
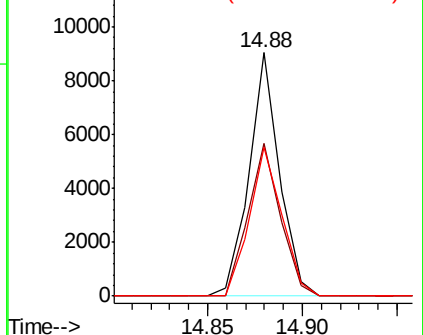


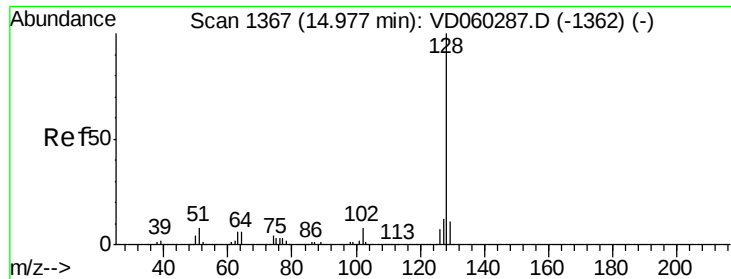
#94
 Hexachlorobutadiene
 Concen: 26.388 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060367.D
 Acq: 13 Nov 2018 18:20

Tgt Ion:225 Resp: 10085
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.6 94.8
 227 61.3 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

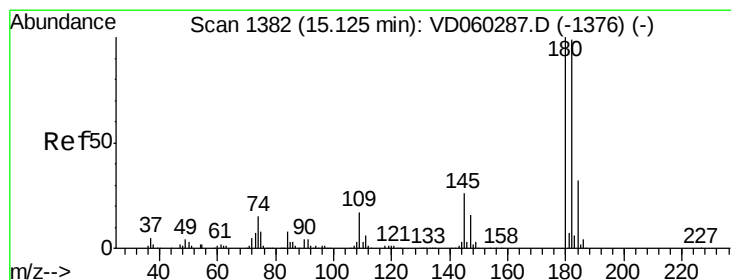
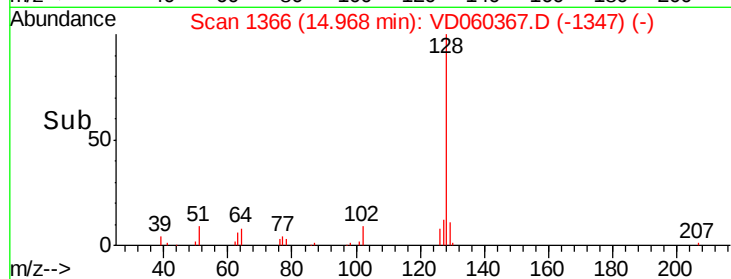
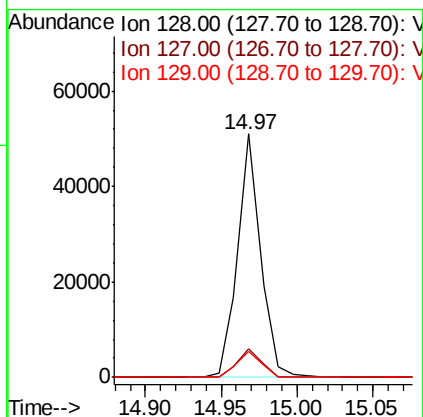
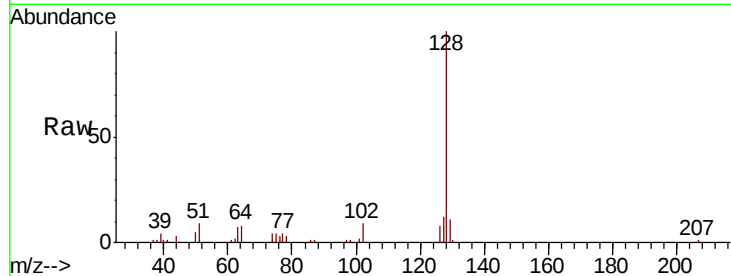




#95
Naphthalene
Concen: 86.568 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

Tot Ion:128 Resp: 54011
Ion Ratio Lower Upper
128 100
127 11.9 9.6 14.4
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 54.125 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060367.D
Acq: 13 Nov 2018 18:20

Tgt Ion:180 Resp: 22161
Ion Ratio Lower Upper
180 100
182 97.6 48.9 146.7
145 28.5 12.9 38.6

