

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111218\
 Data File : VD060339.D
 Acq On : 12 Nov 2018 16:01
 Operator : JC/SY
 Sample : J5889-09MSD
 Misc : 13.47g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

Quant Time: Nov 13 00:40:47 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	6.38	168	891619	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.43	114	1117659	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	788036	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	320830	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	308762	48.36	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	6.30	113	409058	49.08	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.16%	
50) Toluene-d8	9.43	98	1168506	47.91	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.82%	
62) 4-Bromofluorobenzene	12.42	95	347691	39.34	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	78.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	540052	79.966	ug/l	100
3) Chloromethane	1.76	50	421239	49.876	ug/l	100
4) Vinyl Chloride	1.85	62	417014	60.460	ug/l	97
5) Bromomethane	2.15	94	110844	67.737	ug/l	96
6) Chloroethane	2.26	64	135626	59.262	ug/l	92
7) Trichlorofluoromethane	2.51	101	602485	74.090	ug/l	99
8) Diethyl Ether	2.81	74	86094	58.477	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.08	101	419385	78.412	ug/l	98
10) Methyl Iodide	3.23	142	356044	51.254	ug/l	99
11) Tert butyl alcohol	3.94	59	107965	411.836	ug/l	98
12) 1,1-Dichloroethene	3.07	96	282408	64.913	ug/l	91
13) Acrolein	2.97	56	62797	202.724	ug/l	98
14) Allyl chloride	3.52	41	470116	56.475	ug/l	98
15) Acrylonitrile	4.07	53	564021	368.942	ug/l	99
16) Acetone	3.15	43	388664	350.971	ug/l	98
17) Carbon Disulfide	3.30	76	781220	55.632	ug/l	99
18) Methyl Acetate	3.54	43	188163	79.689	ug/l	100
19) Methyl tert-butyl Ether	4.10	73	784271	60.203	ug/l	100
20) Methylene Chloride	3.71	84	548569	55.843	ug/l	99
21) trans-1,2-Dichloroethene	4.08	96	532269	55.102	ug/l	96
22) Diisopropyl ether	4.84	45	1626074	52.286	ug/l	99
23) Vinyl Acetate	4.79	43	4045389	261.419	ug/l	99
24) 1,1-Dichloroethane	4.74	63	853485	53.517	ug/l	99
25) 2-Butanone	5.60	43	816484	354.717	ug/l	99
26) 2,2-Dichloropropane	5.57	77	736779	59.423	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	520543	51.727	ug/l	96
28) Bromochloromethane	5.90	49	390709	55.525	ug/l	99
29) Tetrahydrofuran	5.93	42	447111	368.427	ug/l	99
30) Chloroform	6.08	83	851573	53.413	ug/l	100
31) Cyclohexane	6.34	56	1104068	72.432	ug/l	98
32) 1,1,1-Trichloroethane	6.27	97	819945	61.055	ug/l	98
36) 1,1-Dichloropropene	6.50	75	740866	67.095	ug/l	98
37) Ethyl Acetate	5.67	43	397156	78.164	ug/l	97
38) Carbon Tetrachloride	6.48	117	725819	70.861	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1041460	82.005	ug/l	98
40) Benzene	6.78	78	1740686	61.757	ug/l	99
41) Methacrylonitrile	5.93	41	461849	79.416	ug/l #	94
42) 1,2-Dichloroethane	6.88	62	451874	61.250	ug/l	97
43) Isopropyl Acetate	8.33	43	470692	73.748	ug/l #	99
44) Trichloroethene	7.72	130	513217	60.066	ug/l	98
45) 1,2-Dichloropropane	8.09	63	415392	58.436	ug/l	98
46) Dibromomethane	8.19	93	264315	63.486	ug/l	96
47) Bromodichloromethane	8.47	83	567458	57.840	ug/l	97
48) Methyl methacrylate	8.22	41	292060	75.334	ug/l	96
49) 1,4-Dioxane	8.21	88	63359	1888.850	ug/l	88
51) 4-Methyl-2-Pentanone	9.33	43	1604705	386.294	ug/l	99
52) Toluene	9.53	92	1056798	58.696	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	470394	56.746	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	614830	57.828	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	306813	58.794	ug/l	97
56) Ethyl methacrylate	10.01	69	323987	67.524	ug/l	99
57) 1,3-Dichloropropane	10.37	76	492985	61.997	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	1016197	350.273	ug/l	99
59) 2-Hexanone	10.47	43	1103554	372.723	ug/l	99
60) Dibromochloromethane	10.62	129	389940	61.471	ug/l	97
61) 1,2-Dibromoethane	10.74	107	330326	63.177	ug/l	100
64) Tetrachloroethene	10.23	164	500494	71.142	ug/l	99
65) Chlorobenzene	11.29	112	990040	57.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	360321	64.497	ug/l	97
67) Ethyl Benzene	11.41	91	1877151	64.267	ug/l	98
68) m/p-Xylenes	11.55	106	1323708	122.856	ug/l	96
69) o-Xylene	11.92	106	615811	59.161	ug/l	97
70) Styrene	11.94	104	962761	57.231	ug/l	98
71) Bromoform	12.10	173	265483	70.719	ug/l	100
73) Isopropylbenzene	12.27	105	1812664	77.548	ug/l	97
74) N-amyl acetate	12.12	43	472987	78.926	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	352600	92.236	ug/l	97
76) 1,2,3-Trichloropropane	12.58	75	363900	94.818	ug/l	98
77) Bromobenzene	12.52	156	407809	65.681	ug/l	91
78) n-propylbenzene	12.62	91	2027683	69.498	ug/l	97
79) 2-Chlorotoluene	12.69	91	1008874	63.135	ug/l	96
80) 1,3,5-Trimethylbenzene	12.78	105	1217770	67.036	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	102579	93.882	ug/l	92
82) 4-Chlorotoluene	12.80	91	1119769	62.382	ug/l	92
83) tert-Butylbenzene	13.04	119	1496329	74.193	ug/l	96
84) 1,2,4-Trimethylbenzene	13.08	105	1182976	65.206	ug/l	95
85) sec-Butylbenzene	13.21	105	1797478	72.644	ug/l	95
86) p-Isopropyltoluene	13.33	119	1314178	65.952	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	601731	54.472	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	612945	56.814	ug/l	99
89) n-Butylbenzene	13.64	91	1179482	63.959	ug/l	97
90) Hexachloroethane	13.84	117	339860	71.929	ug/l	82
91) 1,2-Dichlorobenzene	13.65	146	543986	59.953	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	45362	98.301	ug/l	70

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Response via : Initial Calibration

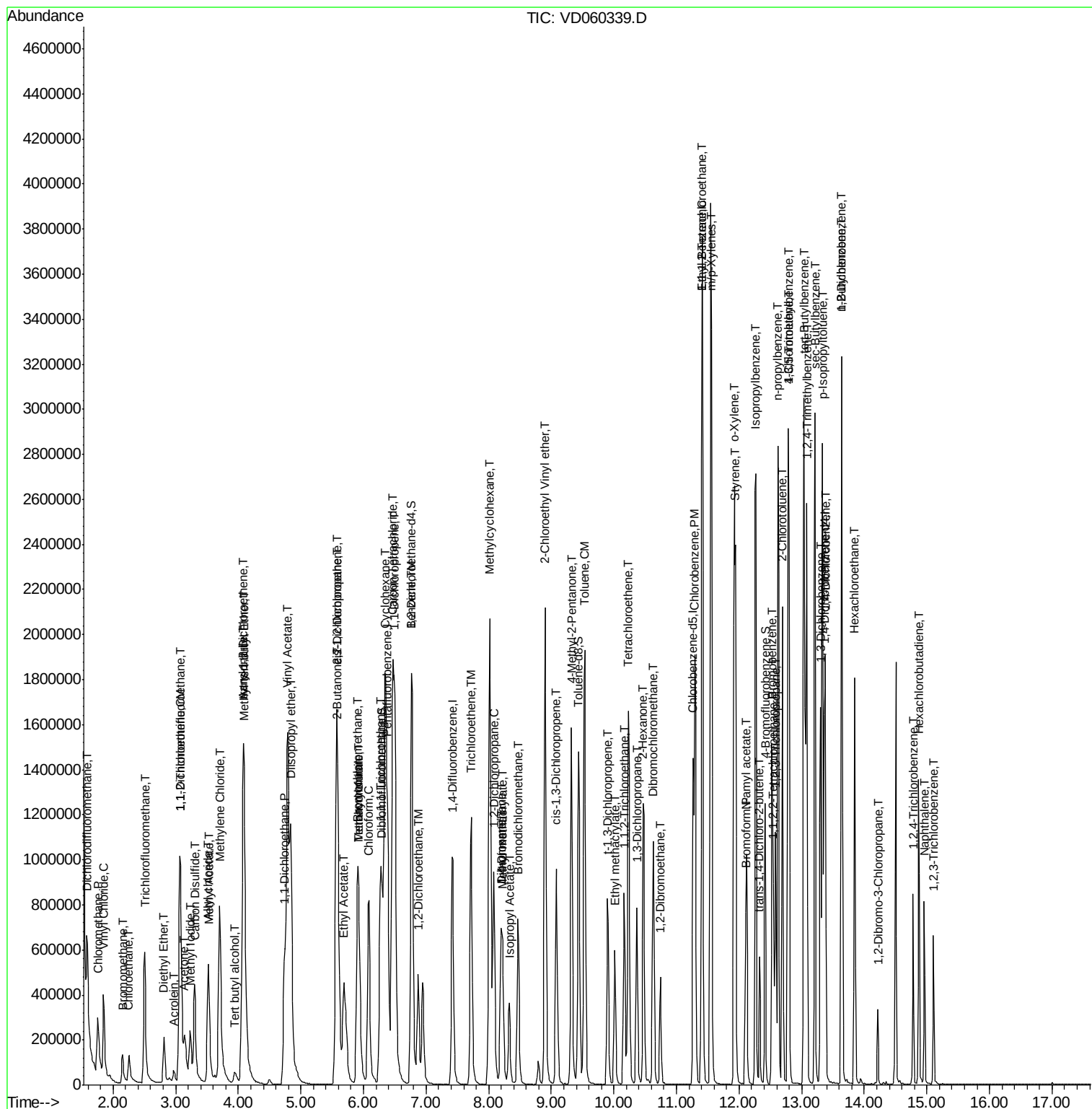
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	206621	28.721	ug/l	98
94) Hexachlorobutadiene	14.87	225	243149	45.188	ug/l	98
95) Naphthalene	14.95	128	470830	53.599	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	166740	28.924	ug/l	97

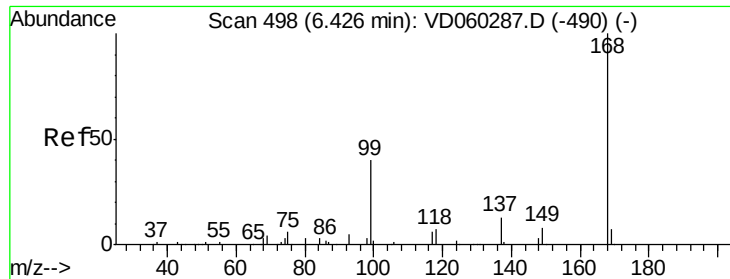
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

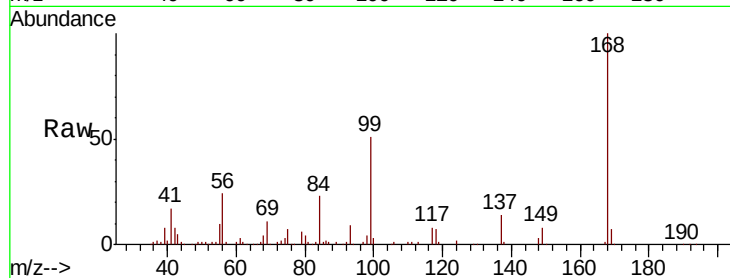
WALL-DMSD

Tot Ion:168 Resp: 891619

Ion Ratio Lower Upper

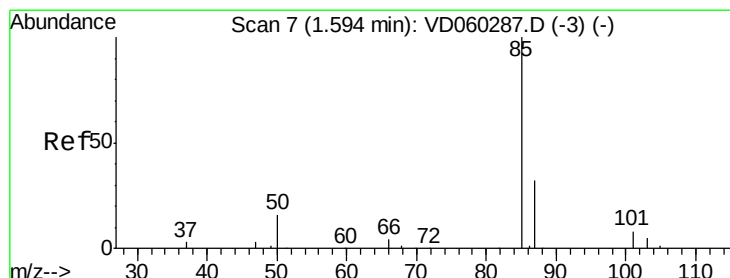
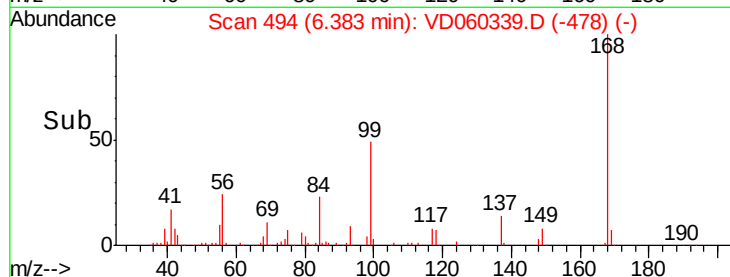
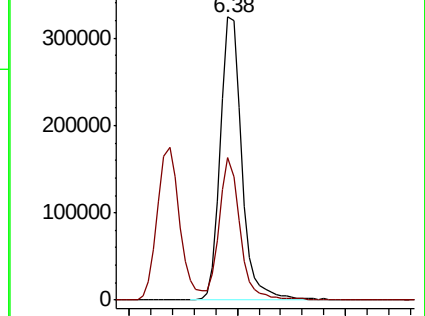
168 100

99 50.5 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: 79.966 ug/l

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060339.D

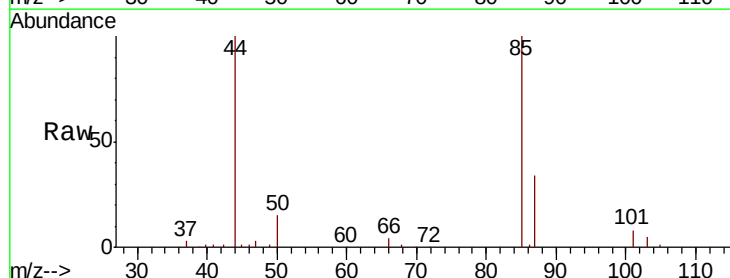
Acq: 12 Nov 2018 16:01

Tgt Ion: 85 Resp: 540052

Ion Ratio Lower Upper

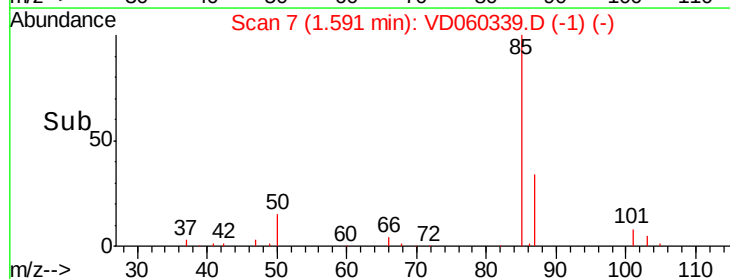
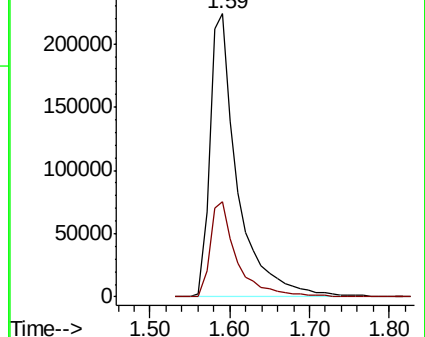
85 100

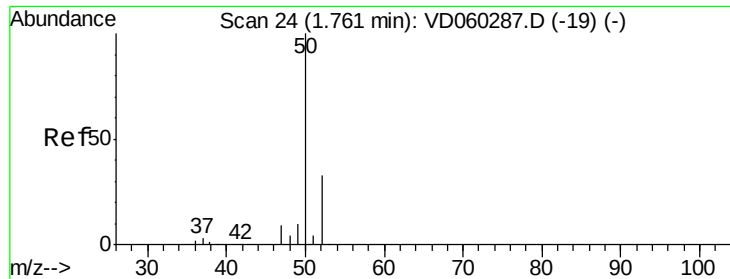
87 33.5 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.876 ug/l

RT: 1.76 min Scan# 24

Delta R.T. -0.00 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

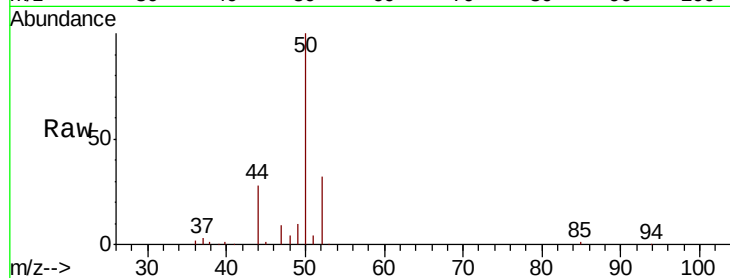
WALL-DMSD

Tot Ion: 50 Resp: 421239

Ion Ratio Lower Upper

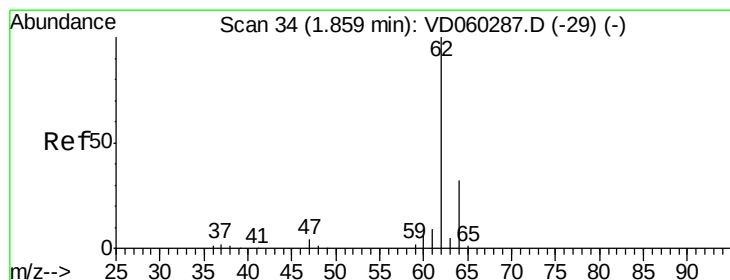
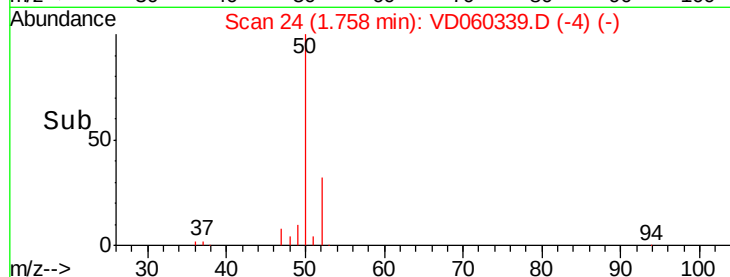
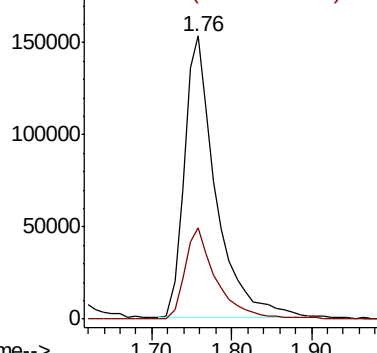
50 100

52 32.3 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: 60.460 ug/l

RT: 1.85 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD060339.D

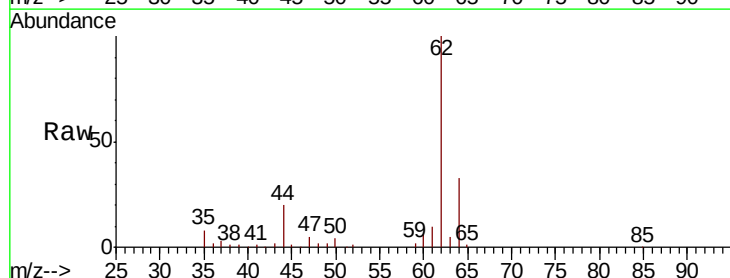
Acq: 12 Nov 2018 16:01

Tgt Ion: 62 Resp: 417014

Ion Ratio Lower Upper

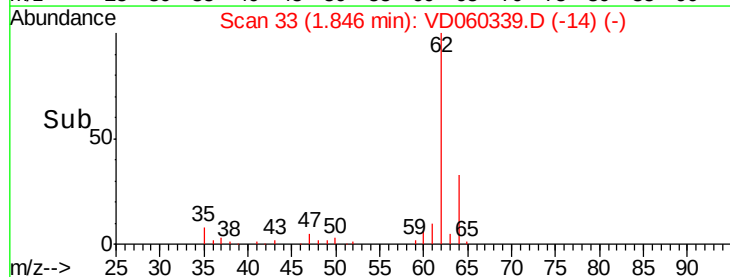
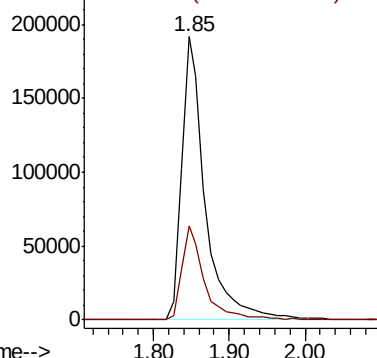
62 100

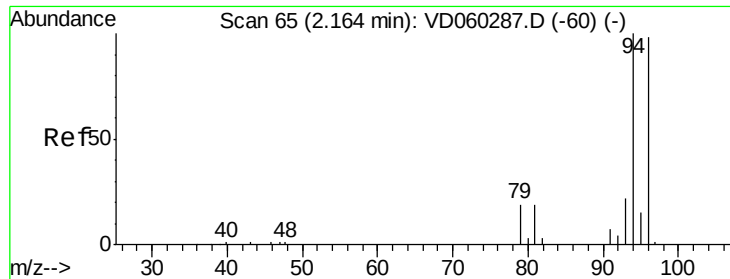
64 33.0 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 67.737 ug/l

RT: 2.15 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

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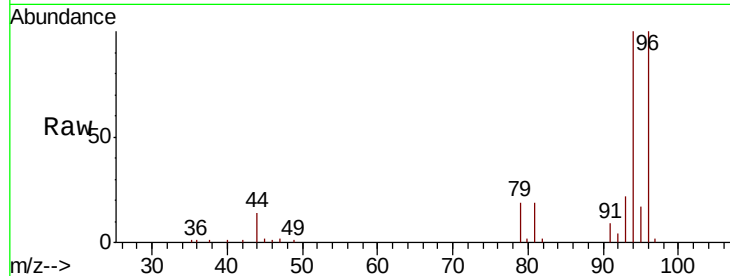
WALL-DMSD

Tot Ion: 94 Resp: 110844

Ion Ratio Lower Upper

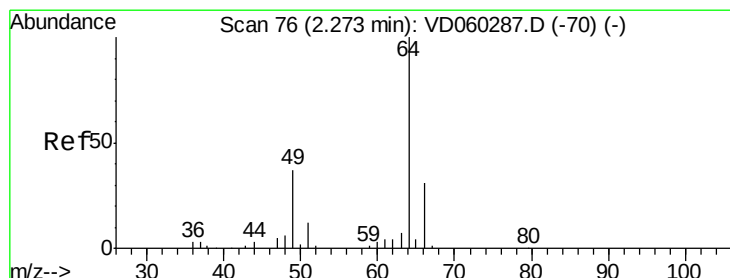
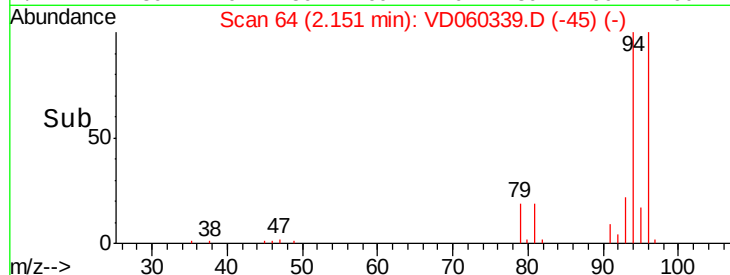
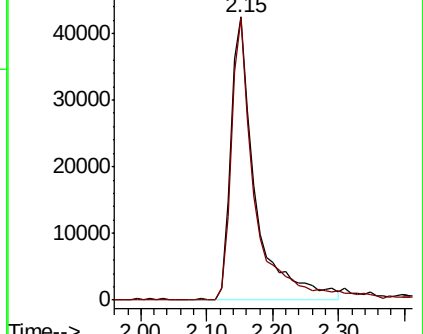
94 100

96 99.5 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: 59.262 ug/l

RT: 2.26 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060339.D

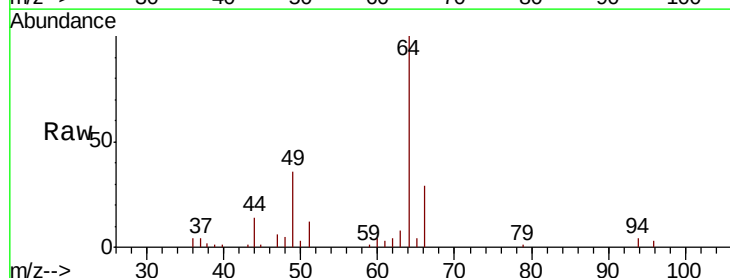
Acq: 12 Nov 2018 16:01

Tgt Ion: 64 Resp: 135626

Ion Ratio Lower Upper

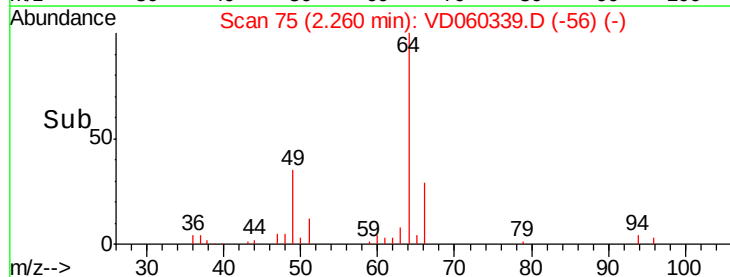
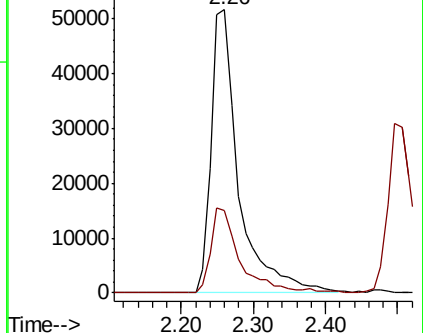
64 100

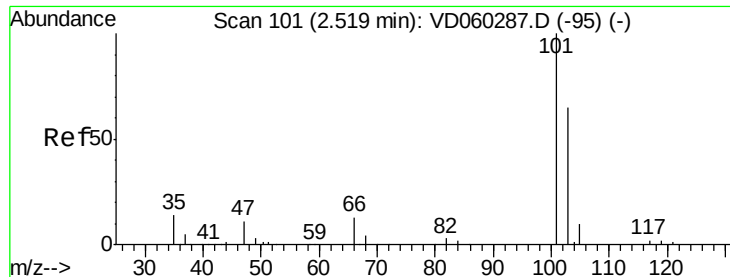
66 28.9 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



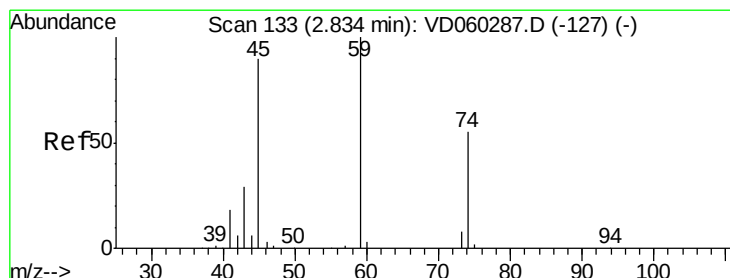
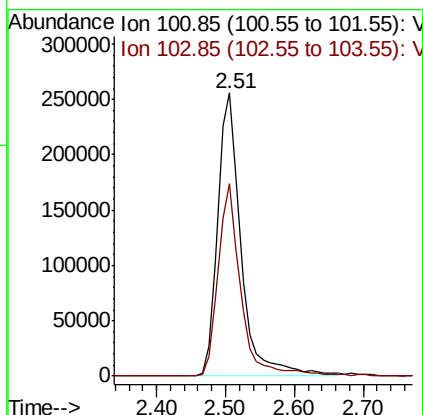
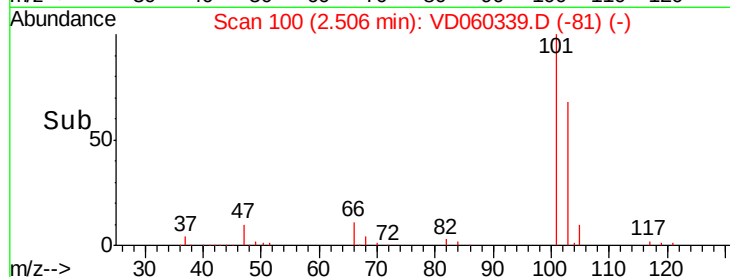
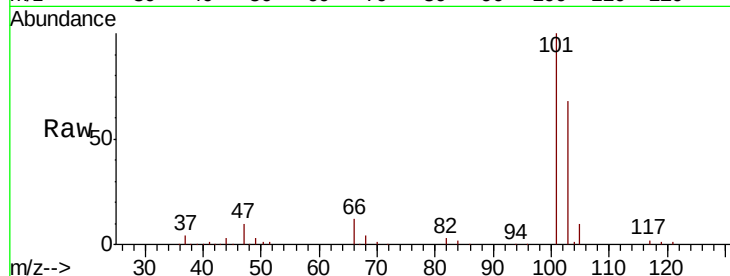


#7

Trichlorofluoromethane
 Concen: 74.090 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: VD060339.D
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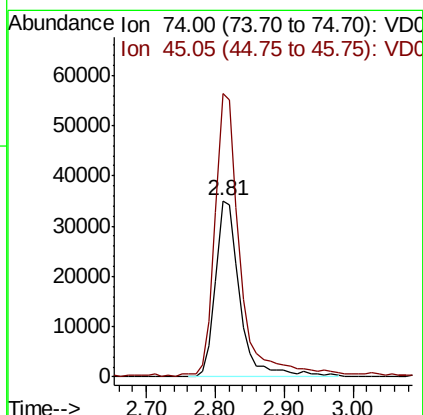
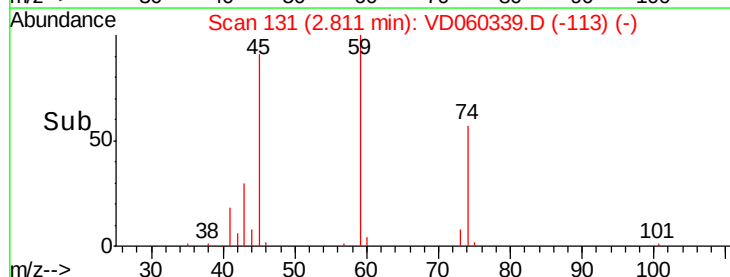
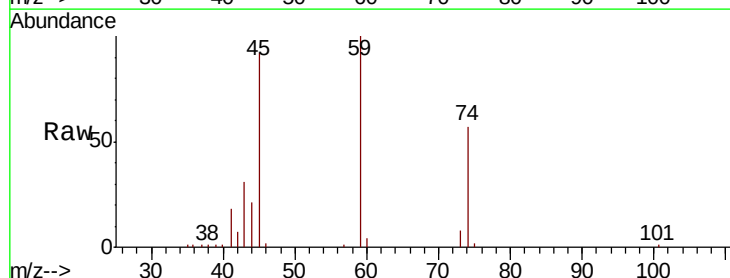
Tot Ion:101 Resp: 602485
 Ion Ratio Lower Upper
 101 100
 103 68.1 53.6 80.4

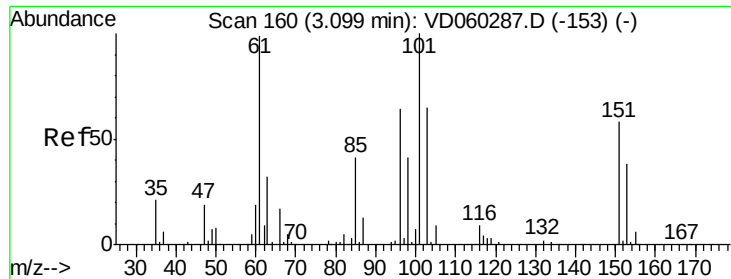


#8

Diethyl Ether
 Concen: 58.477 ug/l
 RT: 2.81 min Scan# 131
 Delta R.T. -0.02 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

Tgt Ion: 74 Resp: 86094
 Ion Ratio Lower Upper
 74 100
 45 161.0 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 78.412 ug/l

RT: 3.08 min Scan# 158

Delta R.T. -0.02 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

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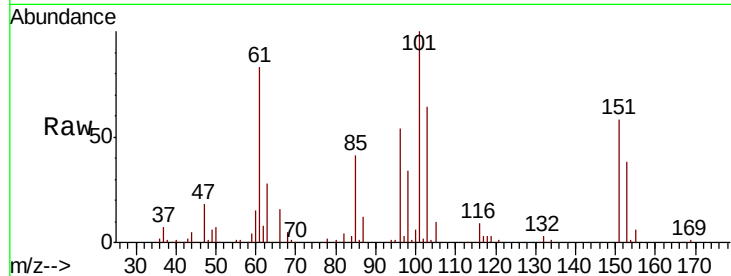
Tot Ion:101 Resp: 419385

Ion Ratio Lower Upper

101 100

85 41.3 31.4 47.0

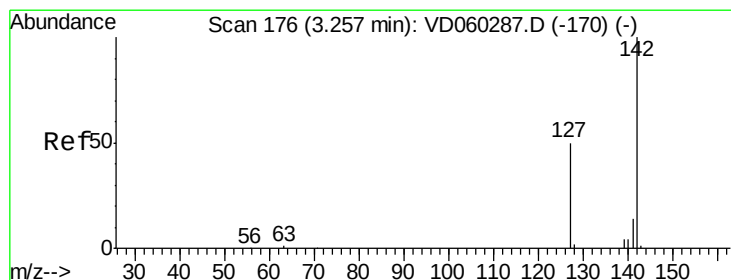
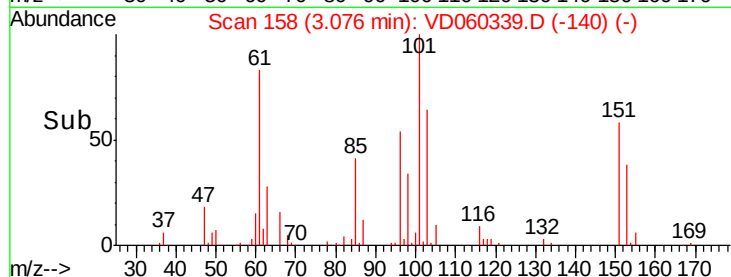
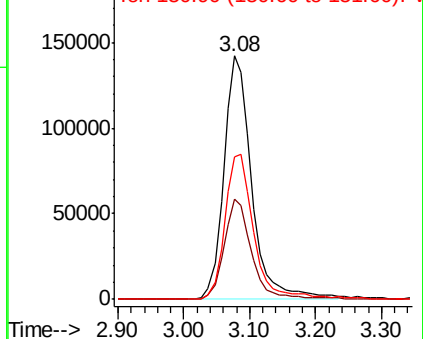
151 58.4 47.4 71.0



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: 51.254 ug/l

RT: 3.23 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

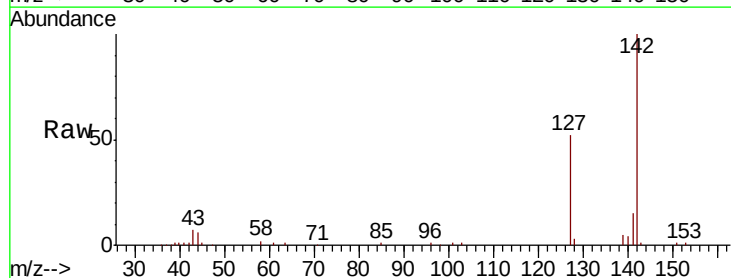
Tgt Ion:142 Resp: 356044

Ion Ratio Lower Upper

142 100

127 52.0 41.0 61.6

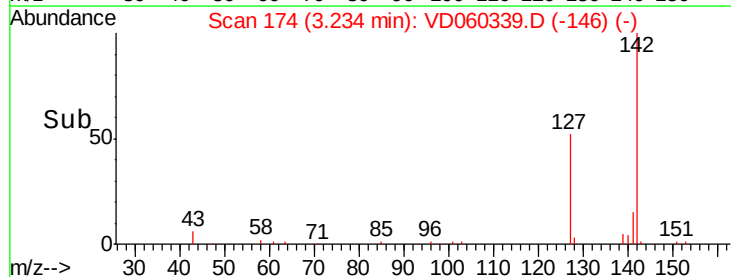
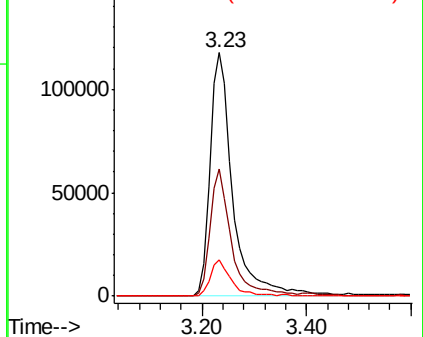
141 15.0 11.9 17.9

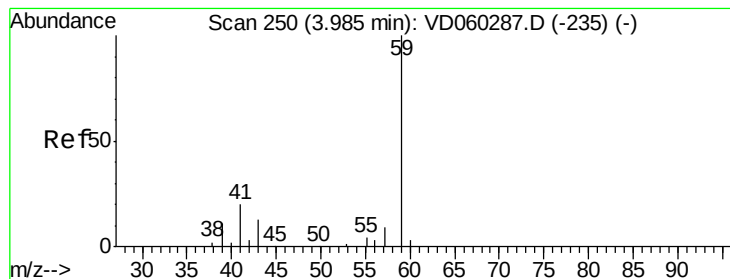


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



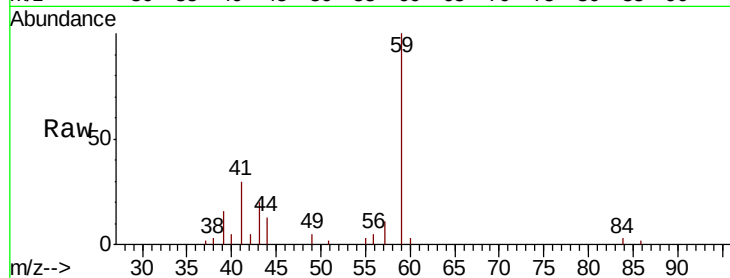


#11

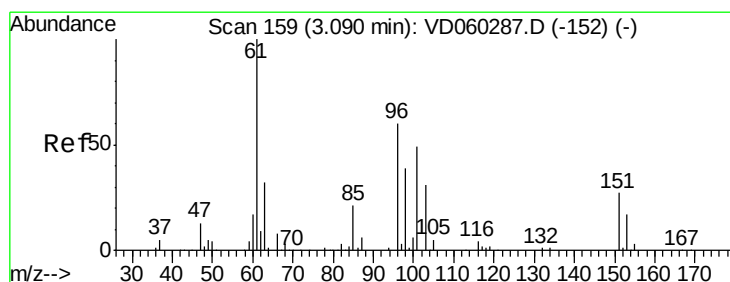
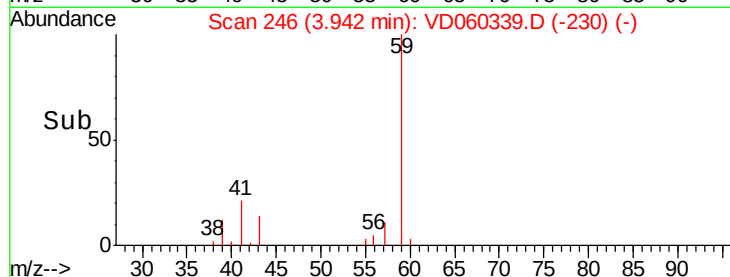
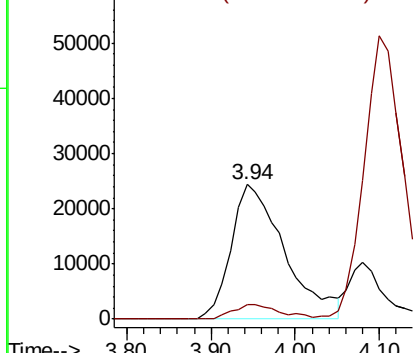
Tert butyl alcohol
Concen: 411.836 ug/l
RT: 3.94 min Scan# 246
Delta R.T. -0.04 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

Tot Ion: 59 Resp: 107965
Ion Ratio Lower Upper
59 100
57 10.9 9.3 13.9



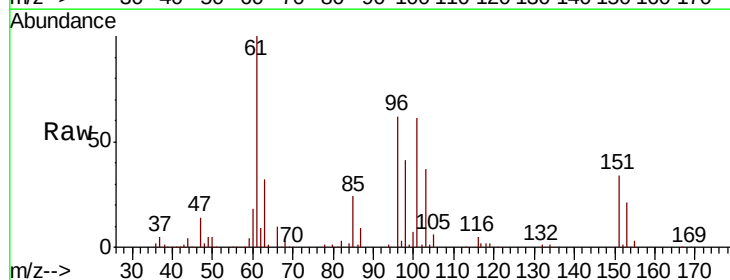
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



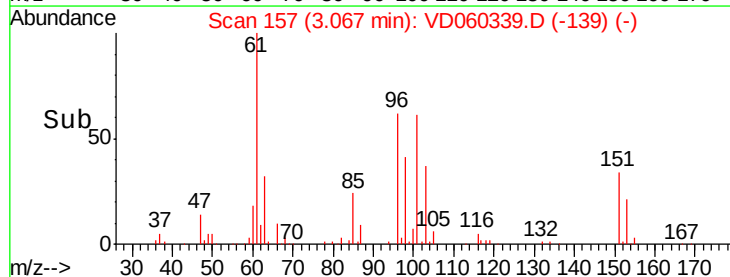
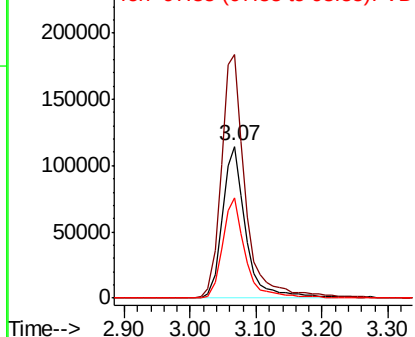
#12

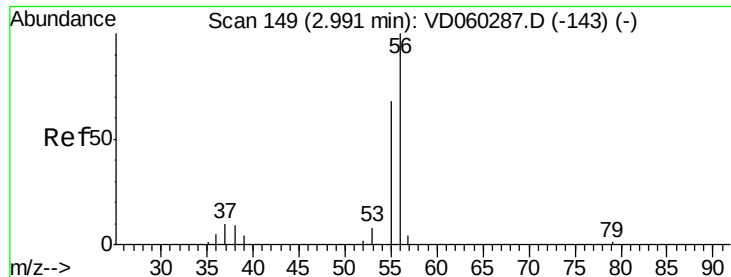
1,1-Dichloroethene
Concen: 64.913 ug/l
RT: 3.07 min Scan# 157
Delta R.T. -0.02 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Tgt Ion: 96 Resp: 282408
Ion Ratio Lower Upper
96 100
61 160.8 142.2 213.4
98 65.9 52.6 79.0



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

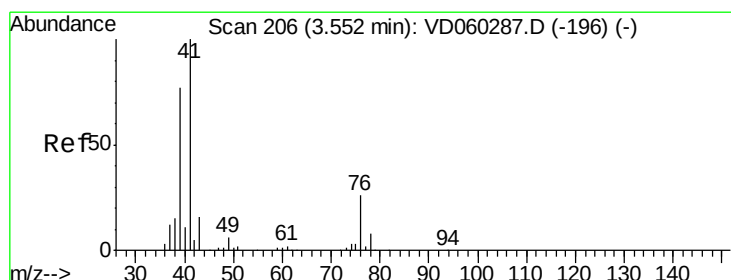
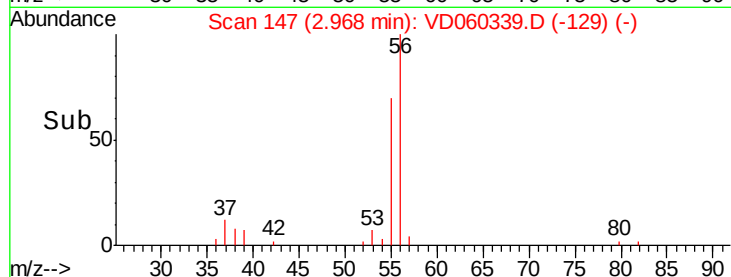
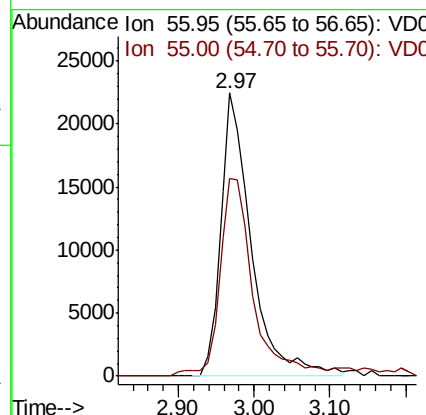
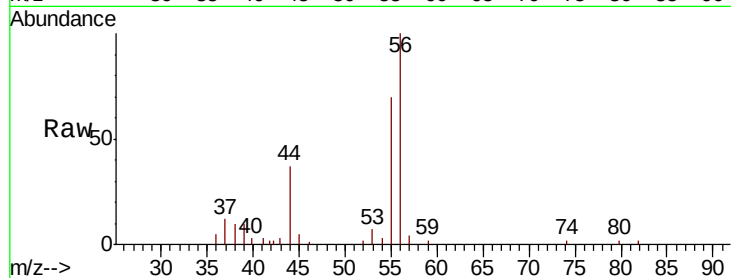




#13
Acrolein
Concen: 202.724 ug/l
RT: 2.97 min Scan# 147
Delta R.T. -0.02 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

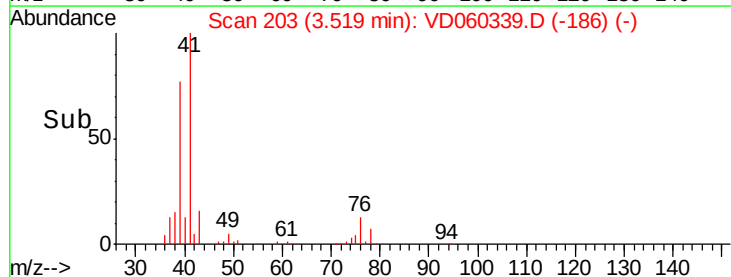
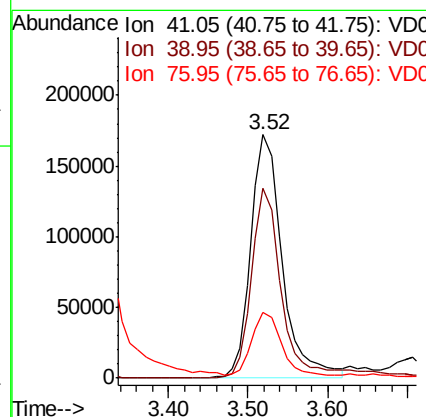
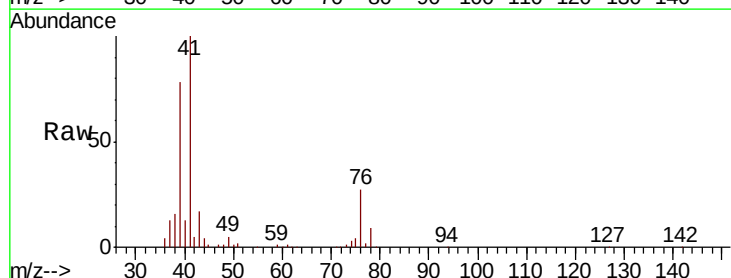
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

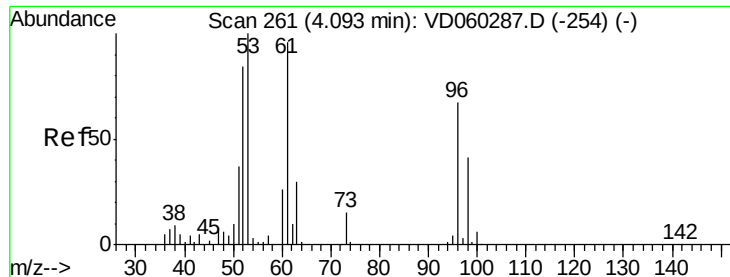
Tot Ion: 56 Resp: 62797
Ion Ratio Lower Upper
56 100
55 69.7 57.0 85.6



#14
Allyl chloride
Concen: 56.475 ug/l
RT: 3.52 min Scan# 203
Delta R.T. -0.03 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Tgt Ion: 41 Resp: 470116
Ion Ratio Lower Upper
41 100
39 77.8 60.4 90.6
76 27.1 21.8 32.8





#15

Acrylonitrile

Concen: 368.942 ug/l

RT: 4.07 min Scan# 259

Delta R.T. -0.02 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

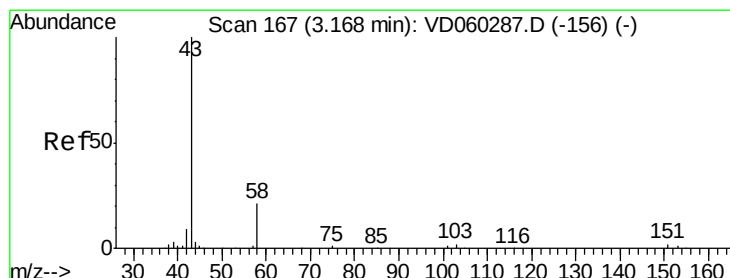
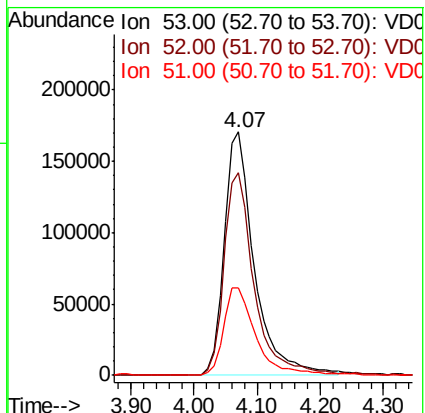
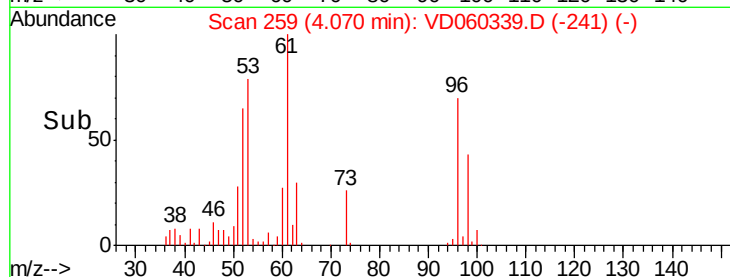
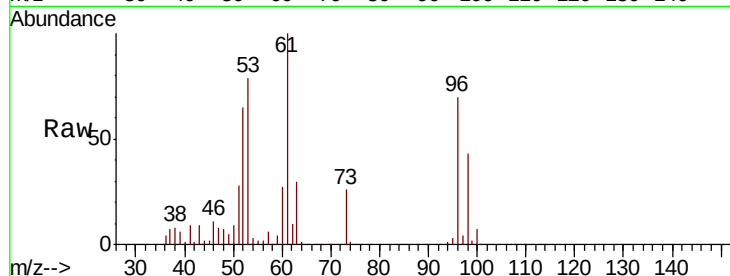
Tot Ion: 53 Resp: 564021

Ion Ratio Lower Upper

53 100

52 83.0 67.0 100.4

51 36.0 29.9 44.9



#16

Acetone

Concen: 350.971 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060339.D

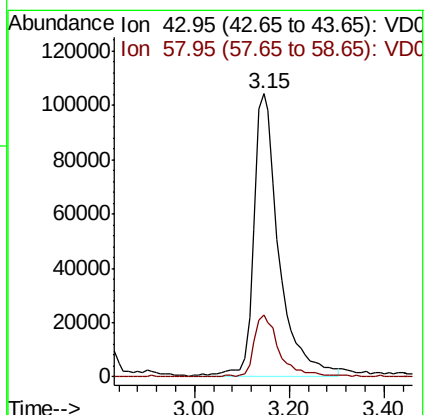
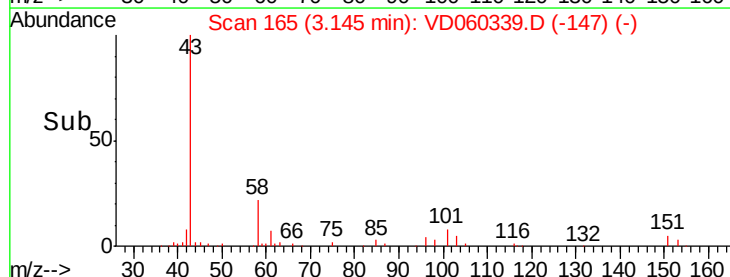
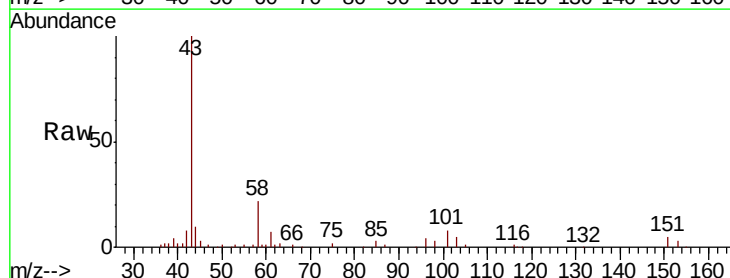
Acq: 12 Nov 2018 16:01

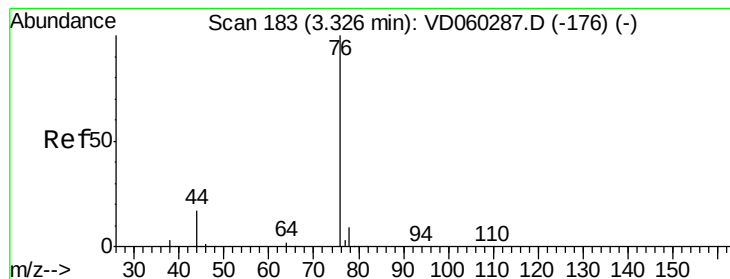
Tgt Ion: 43 Resp: 388664

Ion Ratio Lower Upper

43 100

58 22.0 16.9 25.3





#17

Carbon Disulfide

Concen: 55.632 ug/l

RT: 3.30 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

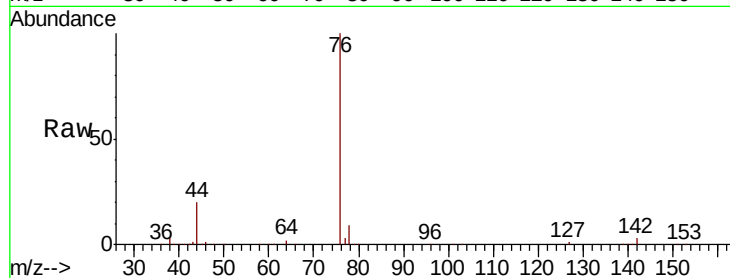
WALL-DMSD

Tot Ion: 76 Resp: 781220

Ion Ratio Lower Upper

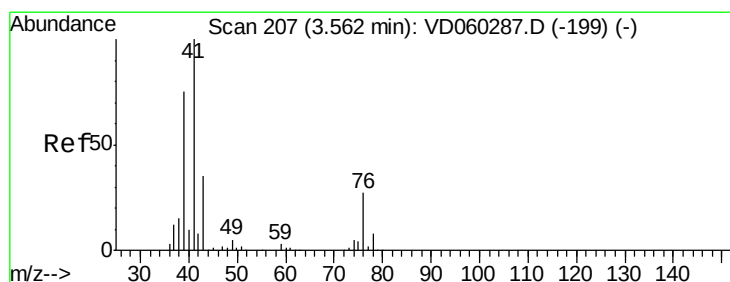
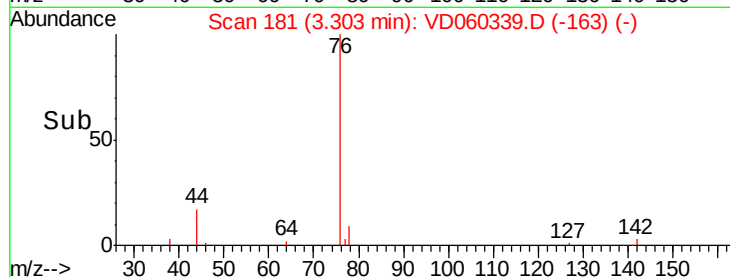
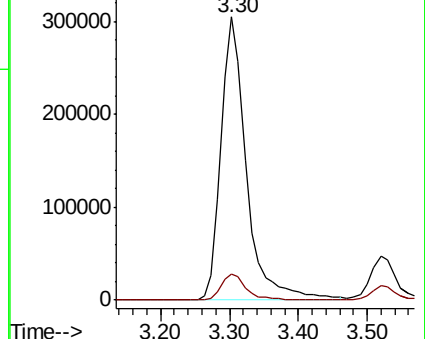
76 100

78 9.0 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 79.689 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.02 min

Lab File: VD060339.D

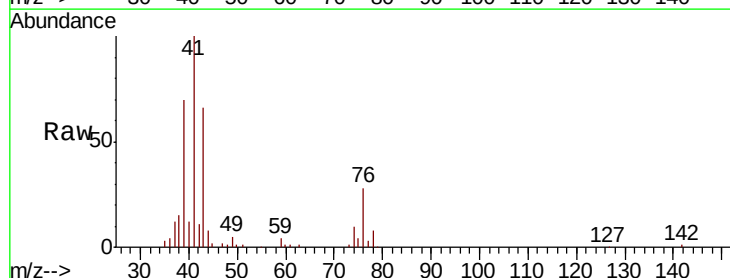
Acq: 12 Nov 2018 16:01

Tgt Ion: 43 Resp: 188163

Ion Ratio Lower Upper

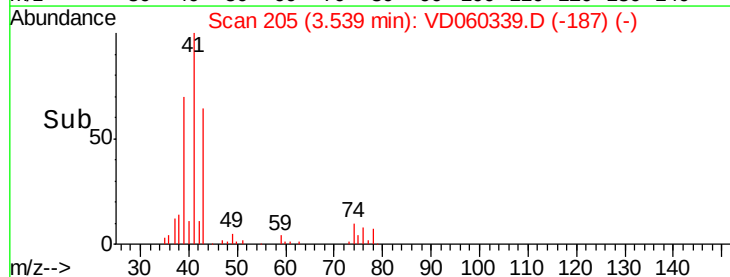
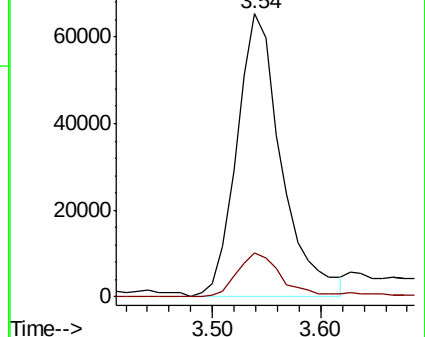
43 100

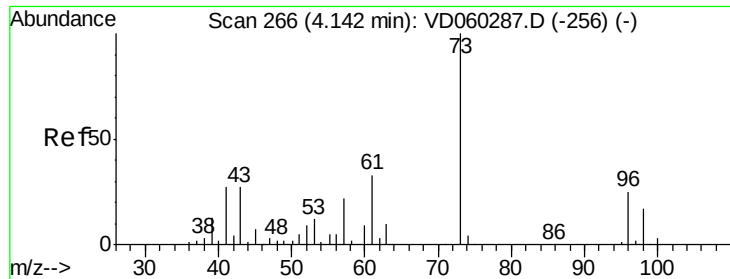
74 15.6 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

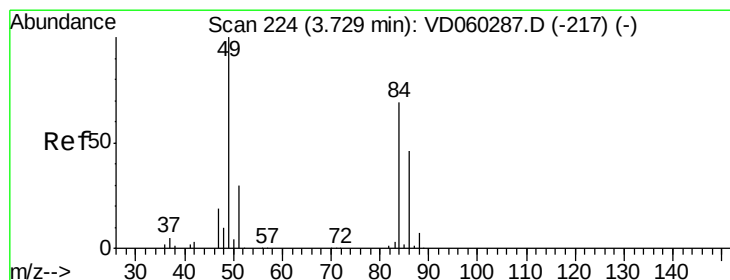
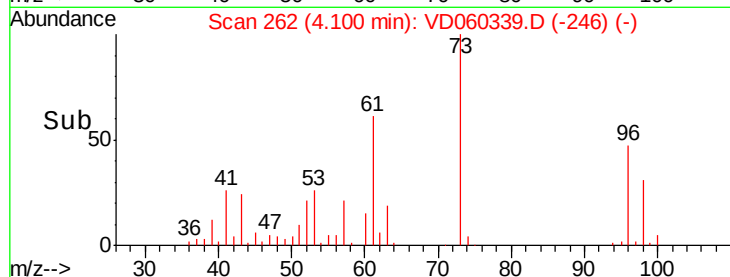
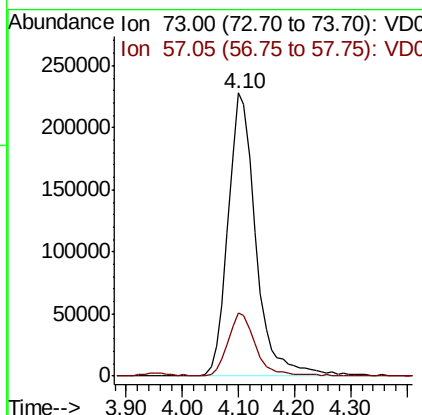
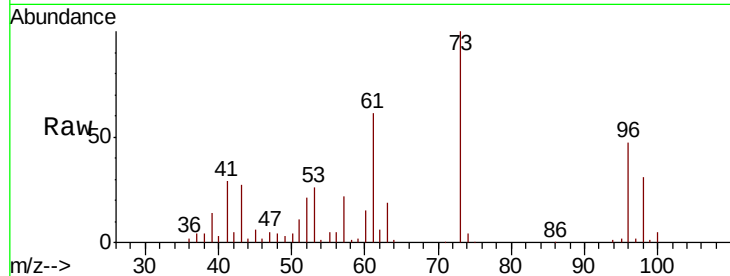




#19
Methyl tert-butyl Ether
Concen: 60.203 ug/l
RT: 4.10 min Scan# 262
Delta R.T. -0.04 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

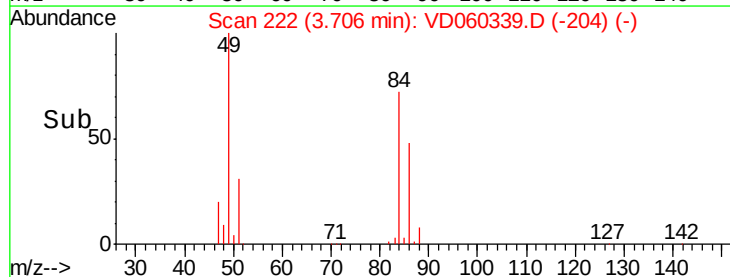
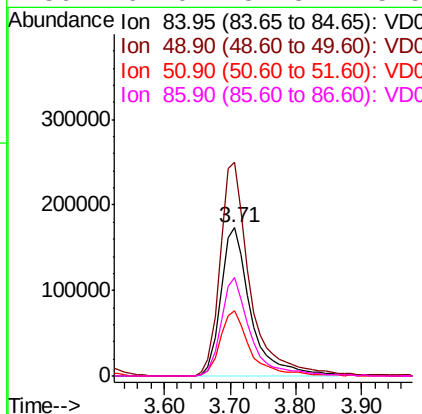
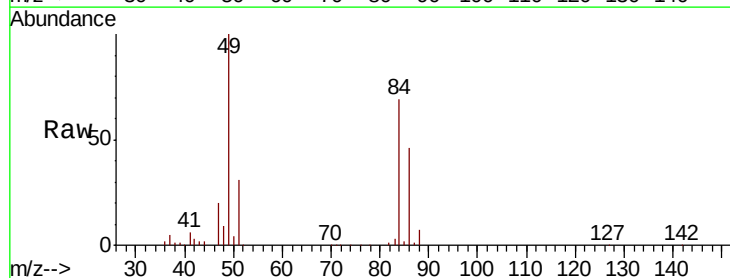
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

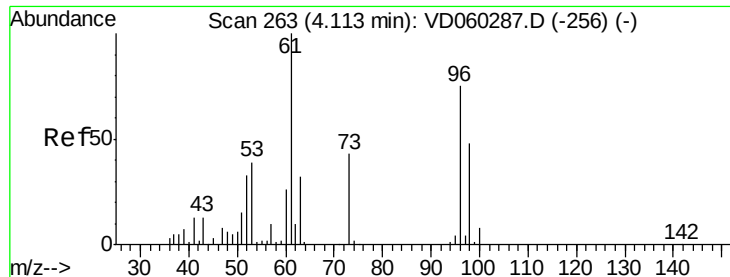
Tot Ion: 73 Resp: 784271
Ion Ratio Lower Upper
73 100
57 22.5 18.1 27.1



#20
Methylene Chloride
Concen: 55.843 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Tgt Ion: 84 Resp: 548569
Ion Ratio Lower Upper
84 100
49 144.4 115.6 173.4
51 44.4 35.6 53.4
86 67.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 55.102 ug/l

RT: 4.08 min Scan# 260

Delta R.T. -0.03 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

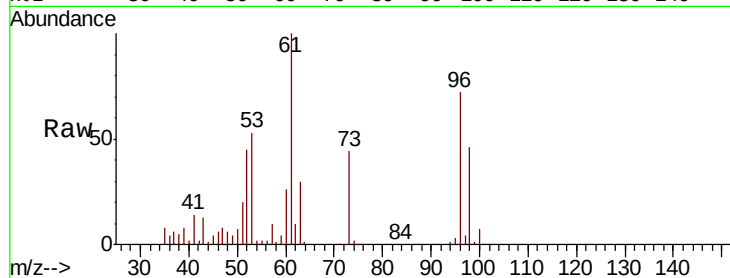
Tot Ion: 96 Resp: 532269

Ion Ratio Lower Upper

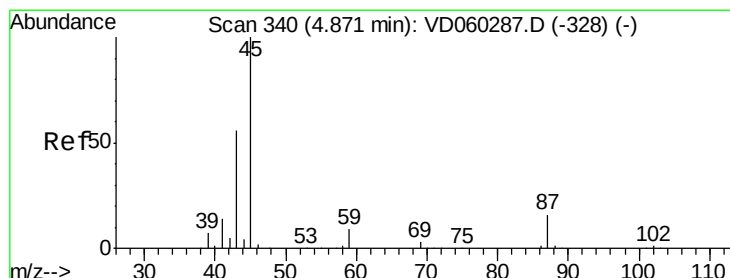
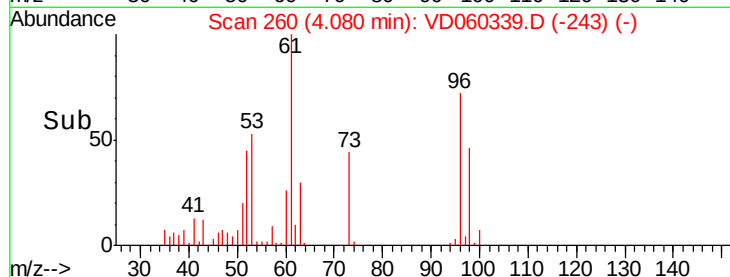
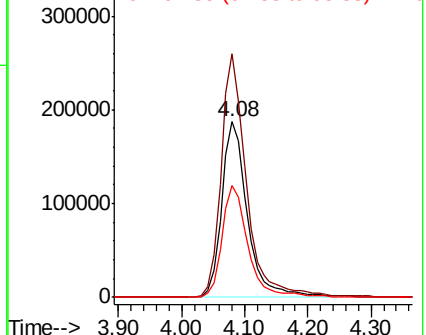
96 100

61 138.9 105.8 158.6

98 63.8 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: 52.286 ug/l

RT: 4.84 min Scan# 337

Delta R.T. -0.03 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Tgt Ion: 45 Resp: 1626074

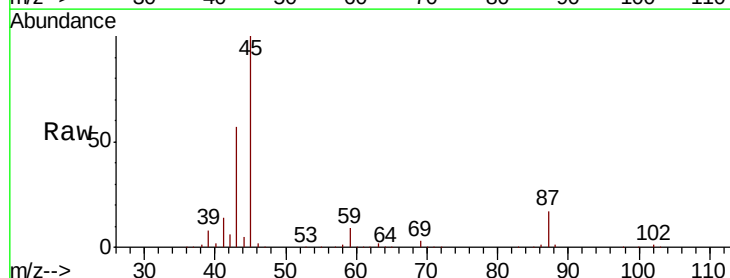
Ion Ratio Lower Upper

45 100

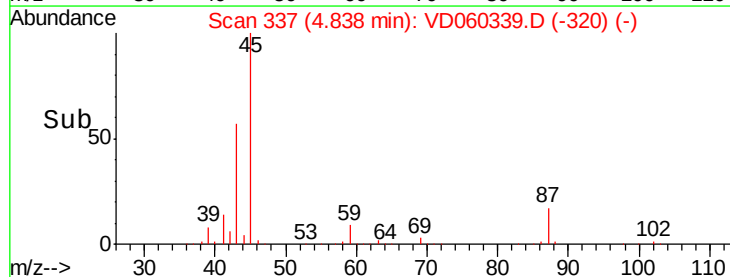
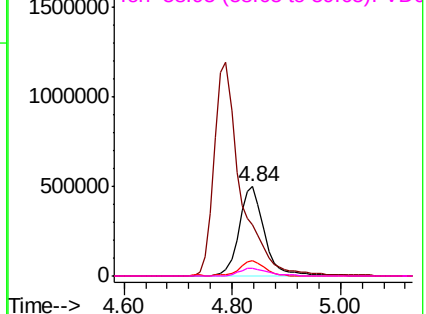
43 57.1 44.9 67.3

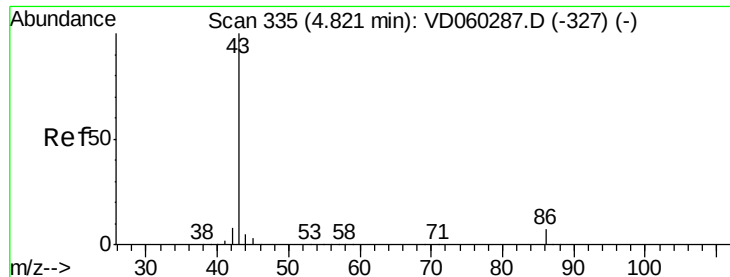
87 17.1 13.9 20.9

59 9.2 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

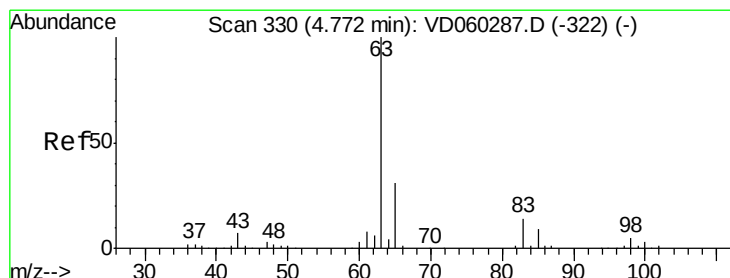
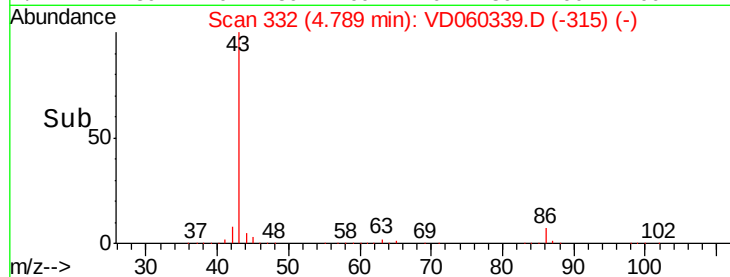
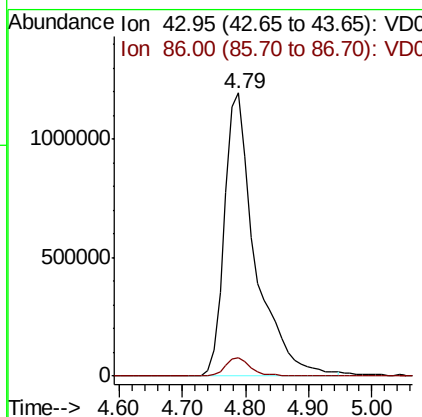
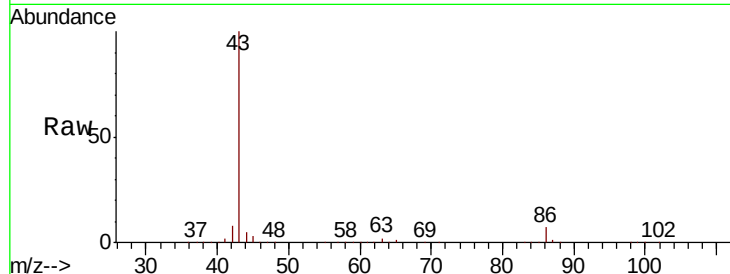




#23
 Vinyl Acetate
 Concen: 261.419 ug/l
 RT: 4.79 min Scan# 332
 Delta R.T. -0.03 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

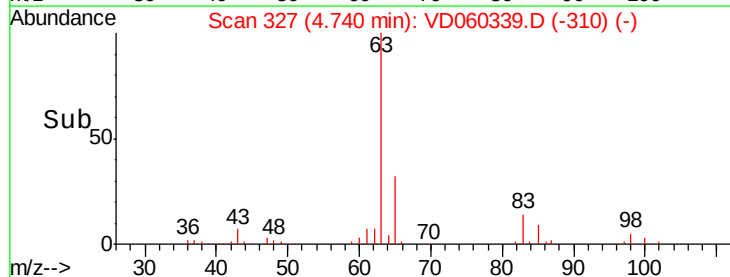
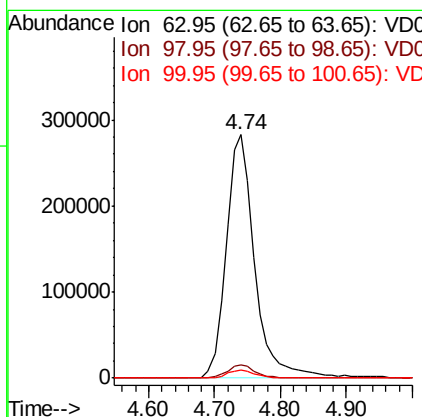
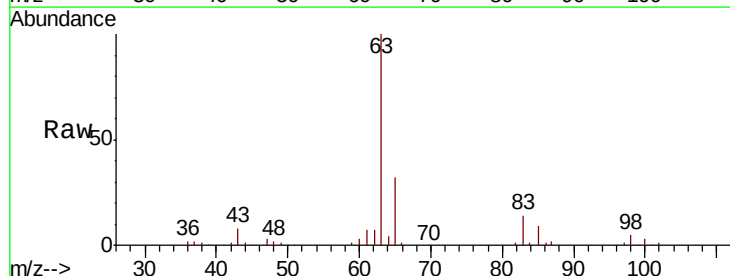
Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

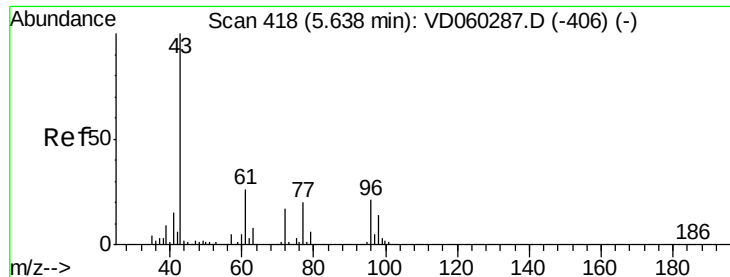
Tot Ion: 43 Resp: 4045389
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 53.517 ug/l
 RT: 4.74 min Scan# 327
 Delta R.T. -0.03 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

Tgt Ion: 63 Resp: 853485
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.8 8.4
 100 3.3 1.8 5.5





#25

2-Butanone

Concen: 354.717 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.04 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

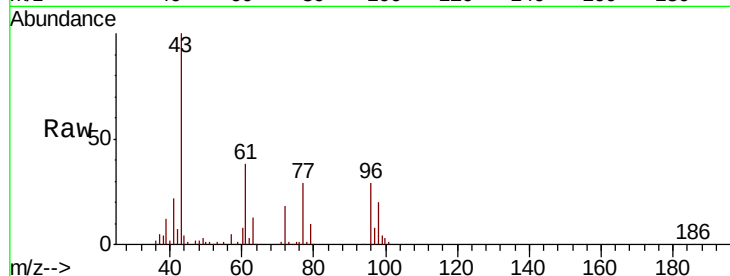
WALL-DMSD

Tot Ion: 43 Resp: 816484

Ion Ratio Lower Upper

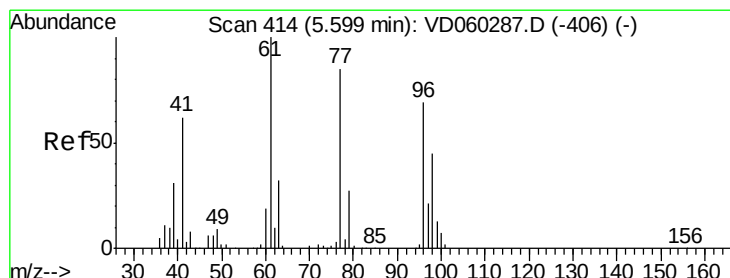
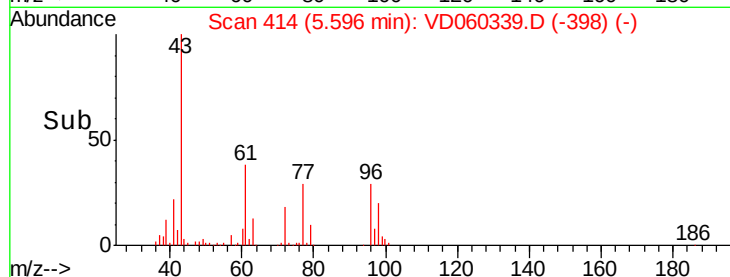
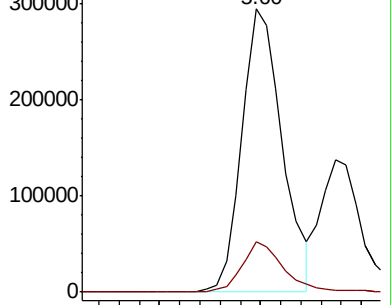
43 100

72 17.9 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: 59.423 ug/l

RT: 5.57 min Scan# 411

Delta R.T. -0.03 min

Lab File: VD060339.D

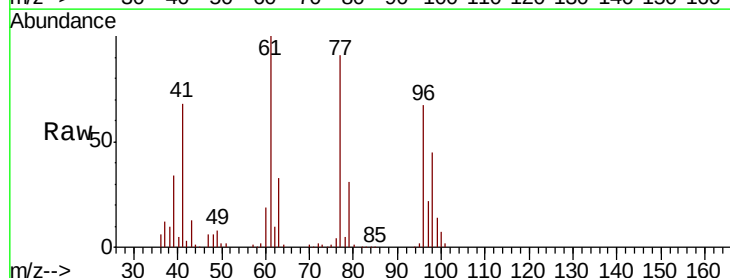
Acq: 12 Nov 2018 16:01

Tgt Ion: 77 Resp: 736779

Ion Ratio Lower Upper

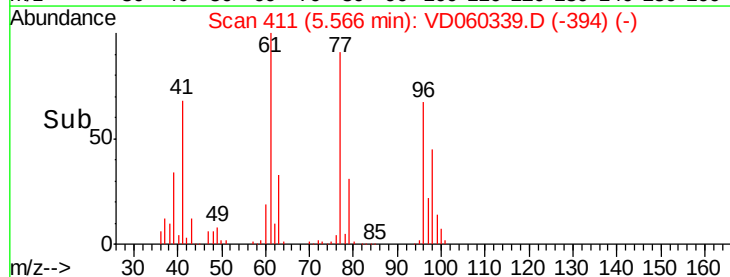
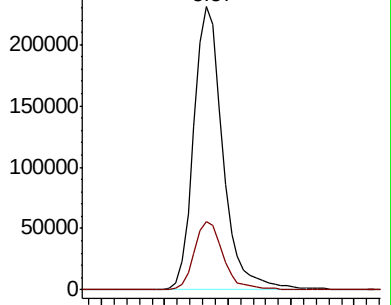
77 100

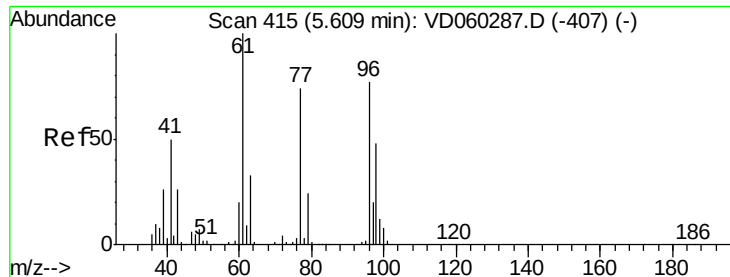
97 24.1 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



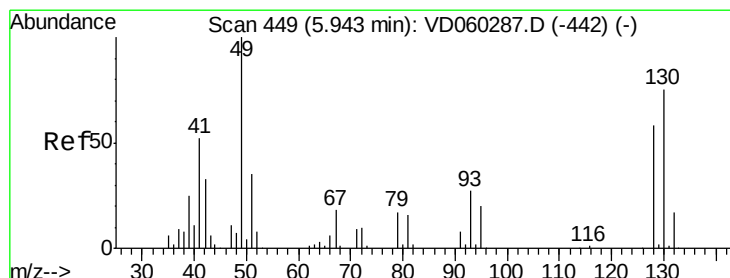
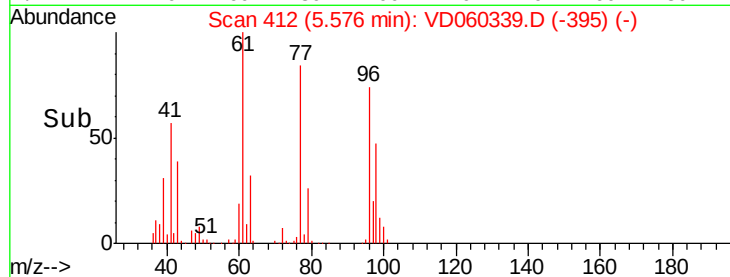
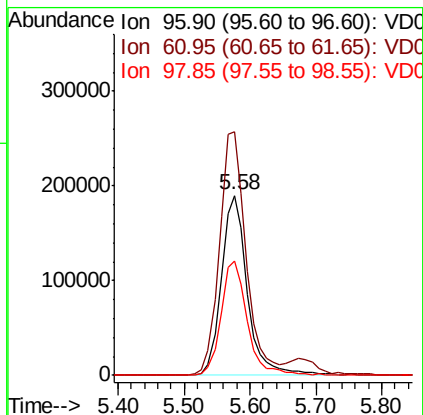
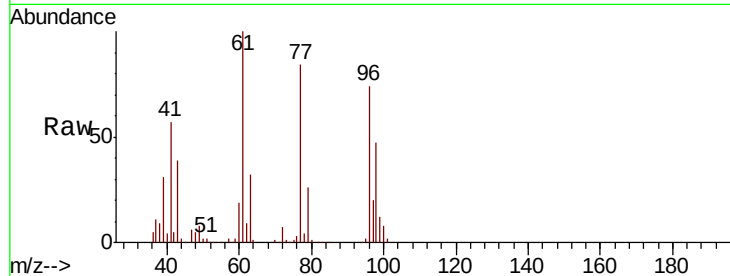


#27

cis-1,2-Dichloroethene
 Concen: 51.727 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. -0.03 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

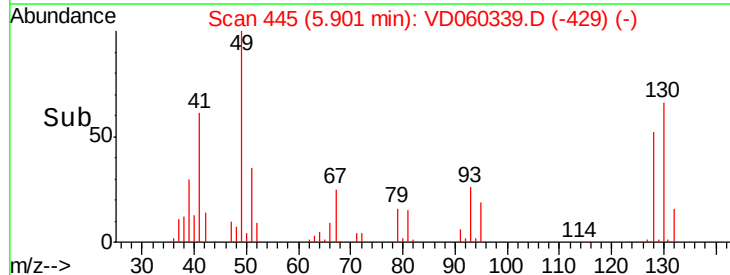
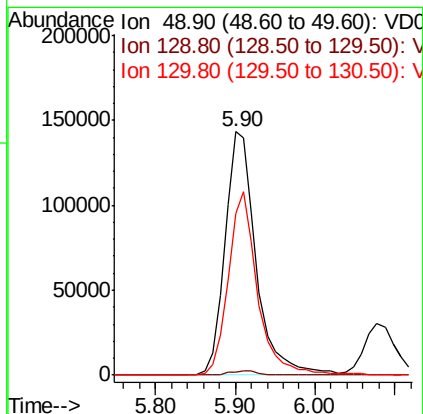
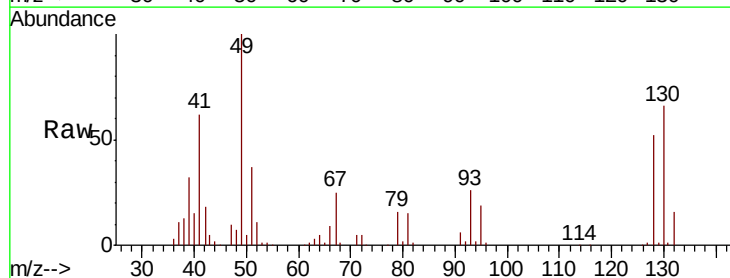
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	0.0	259.0
98	63.2	0.0	128.8

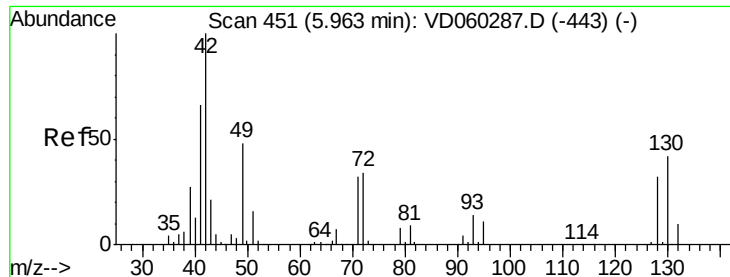


#28

Bromochloromethane
 Concen: 55.525 ug/l
 RT: 5.90 min Scan# 445
 Delta R.T. -0.04 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.8
130	66.2	53.6	80.4

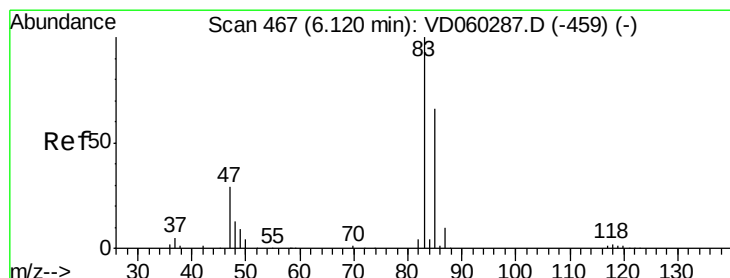
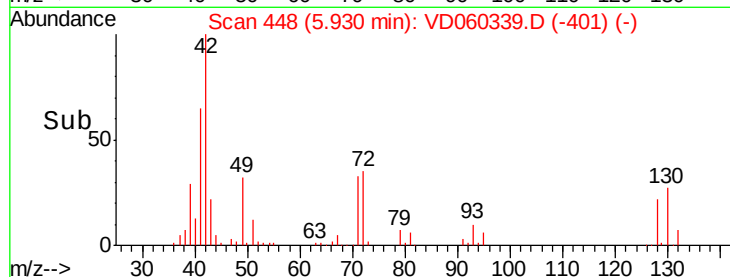
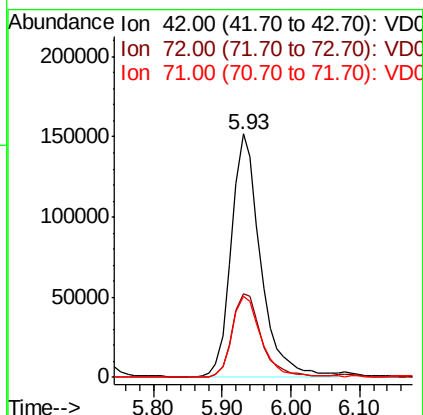
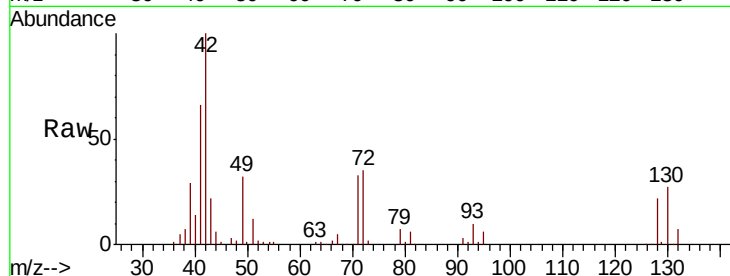




#29
Tetrahydrofuran
Concen: 368.427 ug/l
RT: 5.93 min Scan# 448
Delta R.T. -0.03 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

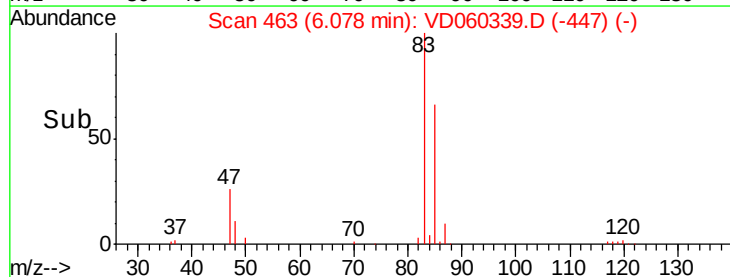
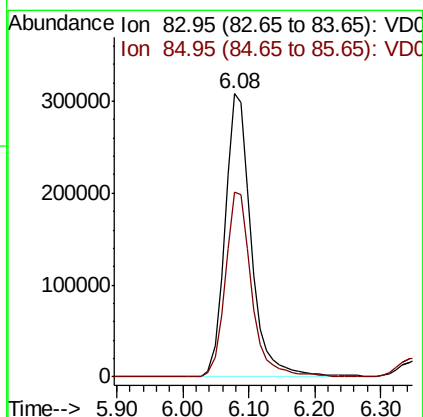
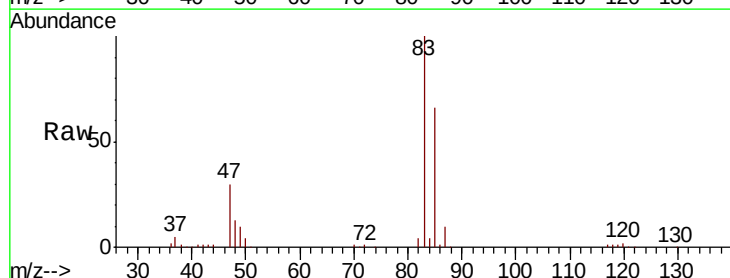
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

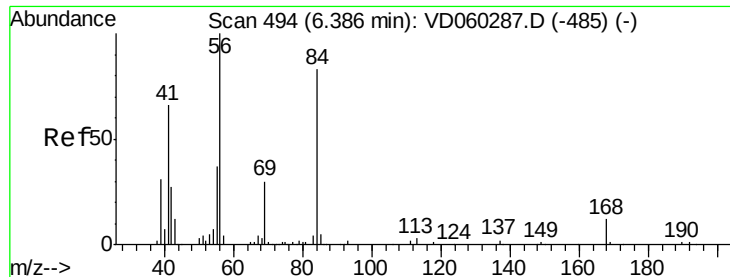
Tot Ion: 42 Resp: 447111
Ion Ratio Lower Upper
42 100
72 34.8 27.6 41.4
71 33.5 26.5 39.7



#30
Chloroform
Concen: 53.413 ug/l
RT: 6.08 min Scan# 463
Delta R.T. -0.04 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Tgt Ion: 83 Resp: 851573
Ion Ratio Lower Upper
83 100
85 65.5 52.5 78.7

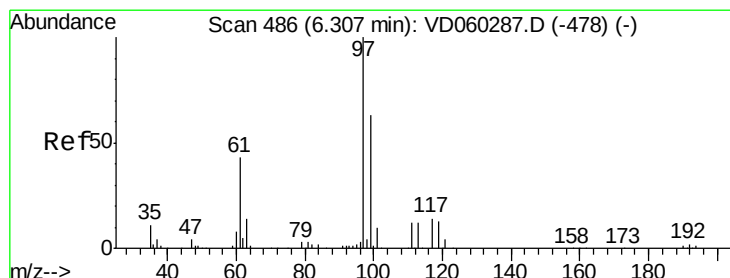
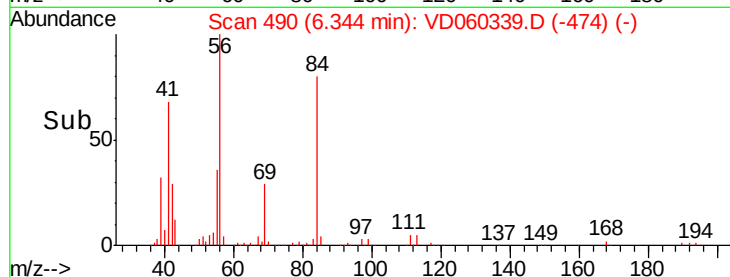
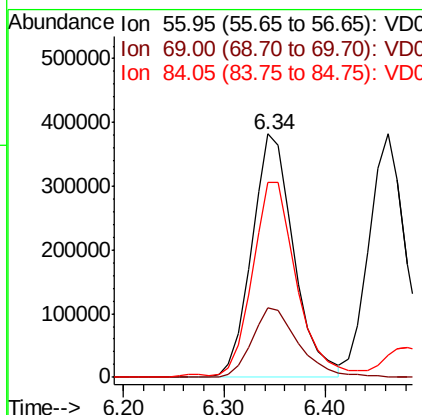
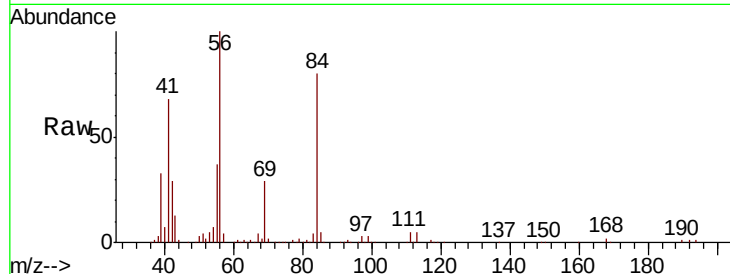




#31
Cyclohexane
Concen: 72.432 ug/l
RT: 6.34 min Scan# 490
Delta R.T. -0.04 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

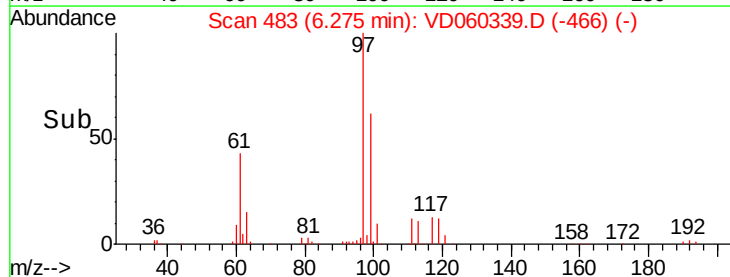
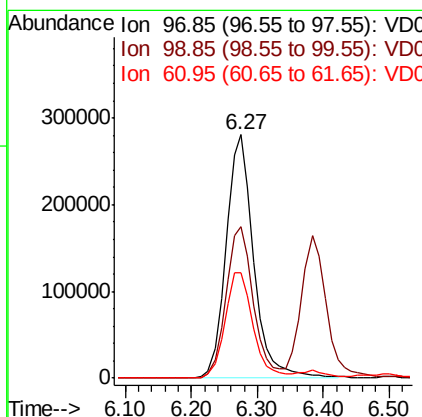
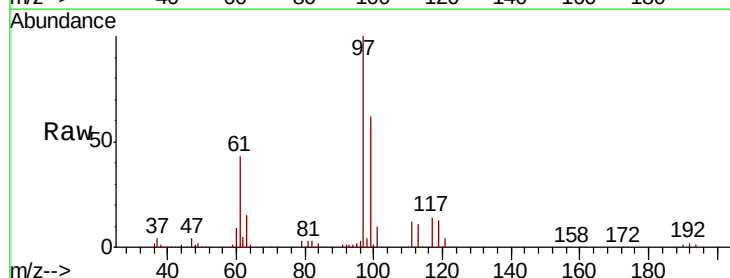
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

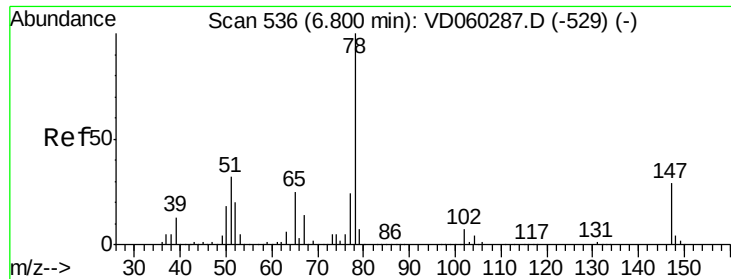
Tot Ion: 56 Resp: 1104068
Ion Ratio Lower Upper
56 100
69 28.6 22.2 33.2
84 80.0 63.0 94.4



#32
1,1,1-Trichloroethane
Concen: 61.055 ug/l
RT: 6.27 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Tgt Ion: 97 Resp: 819945
Ion Ratio Lower Upper
97 100
99 62.3 51.5 77.3
61 43.4 35.8 53.8

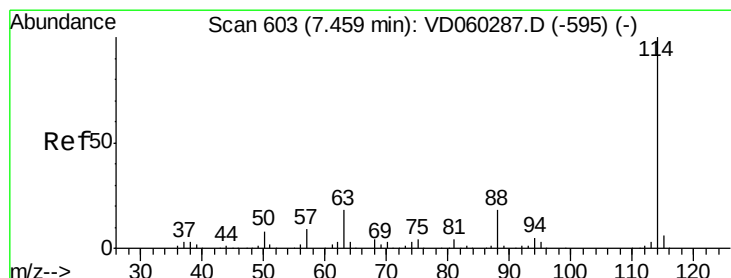
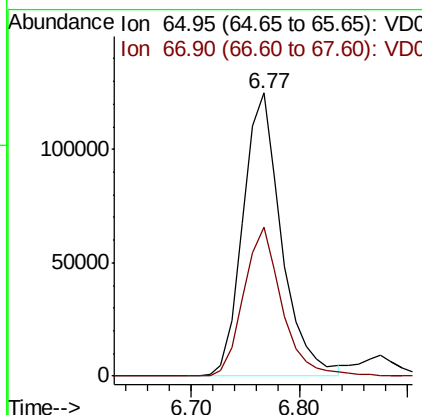
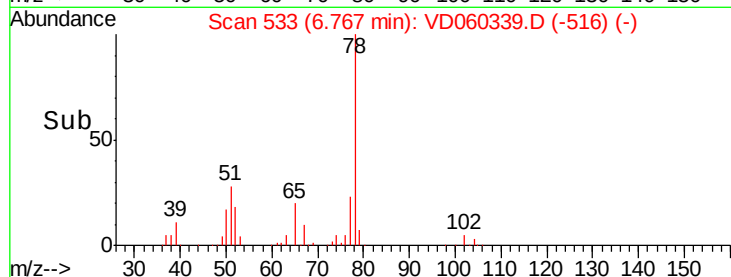
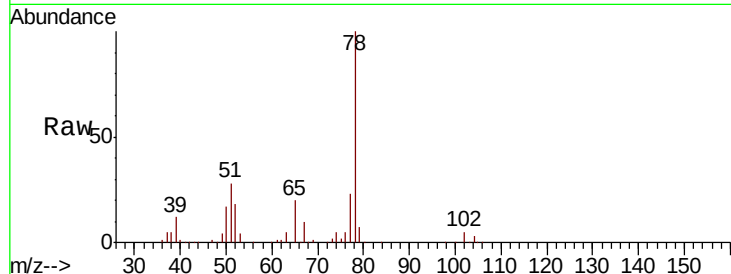




#33
 1,2-Dichloroethane-d4
 Concen: 61.055 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. -0.03 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

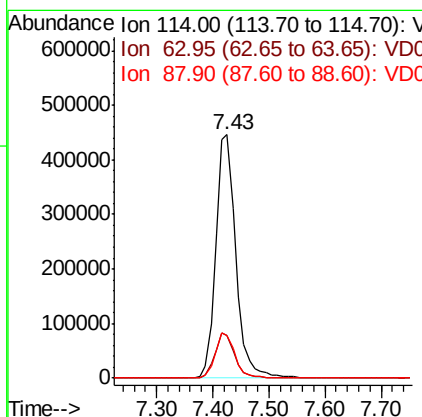
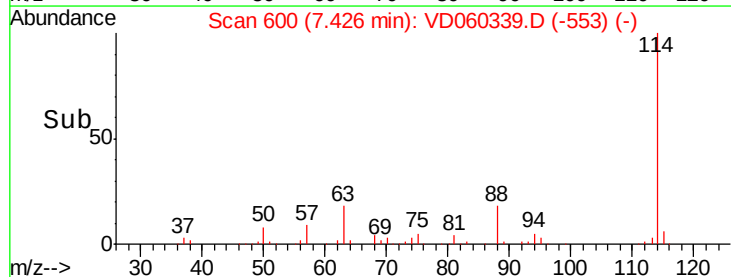
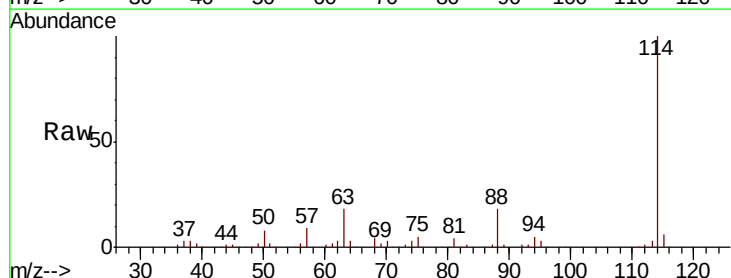
Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

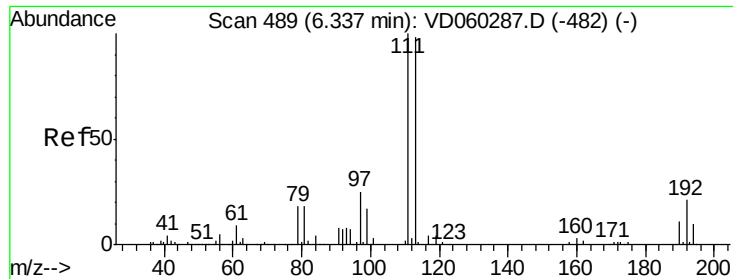
Tot Ion: 65 Resp: 308762
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

Tgt Ion: 114 Resp: 1117659
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.0
 88 17.8 0.0 35.4

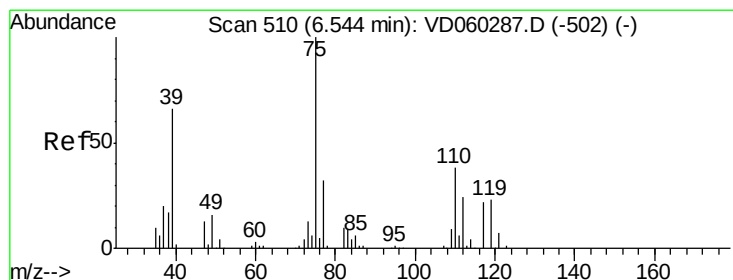
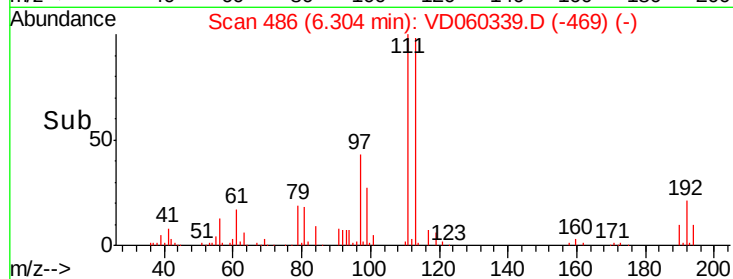
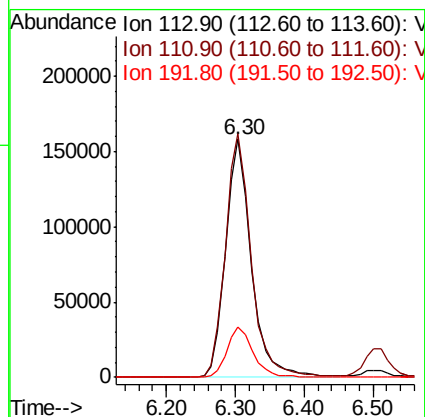
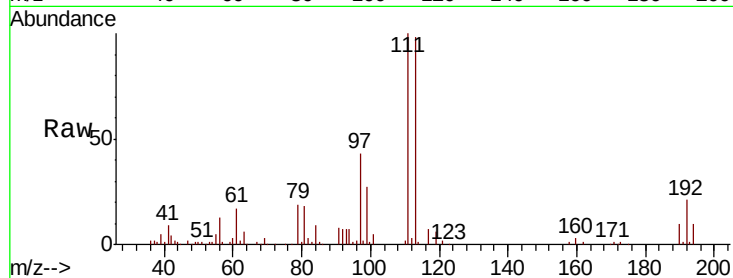




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

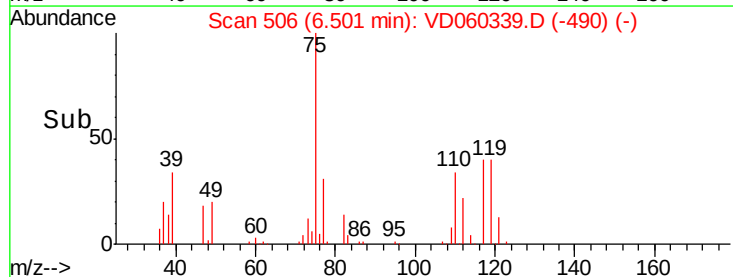
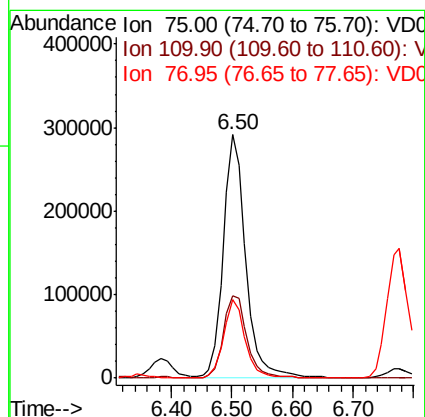
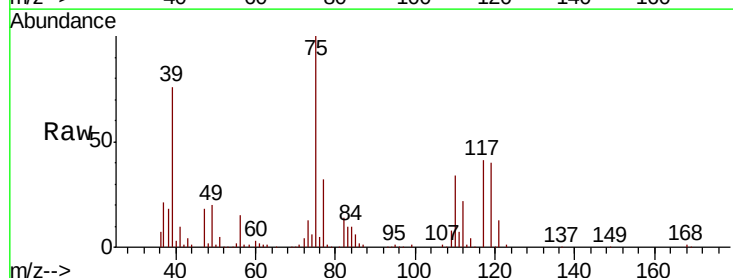
Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

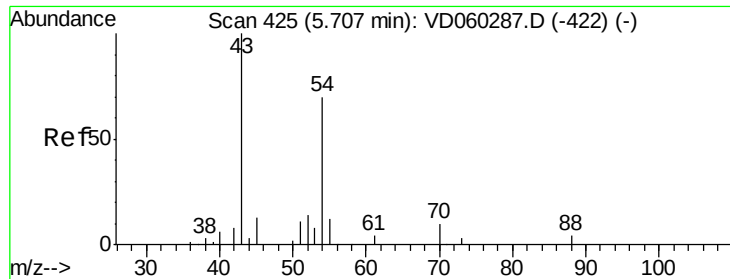
Tot Ion:113 Resp: 409058
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.6 122.4
 192 21.1 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 67.095 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. -0.04 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

Tgt Ion: 75 Resp: 740866
 Ion Ratio Lower Upper
 75 100
 110 33.9 18.0 54.0
 77 32.1 25.6 38.4

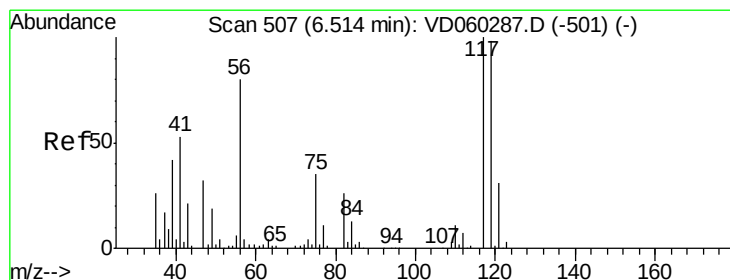
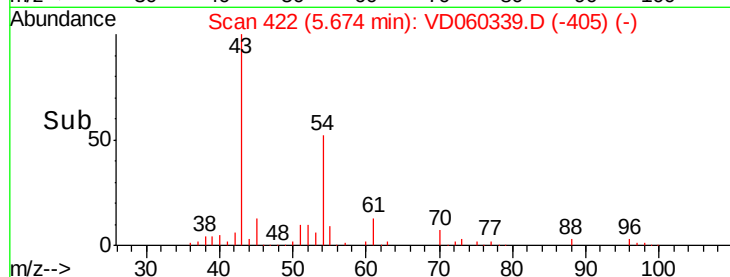
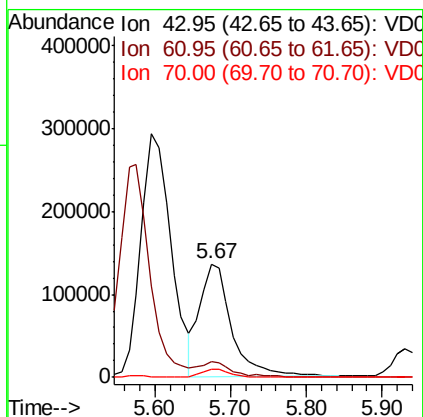
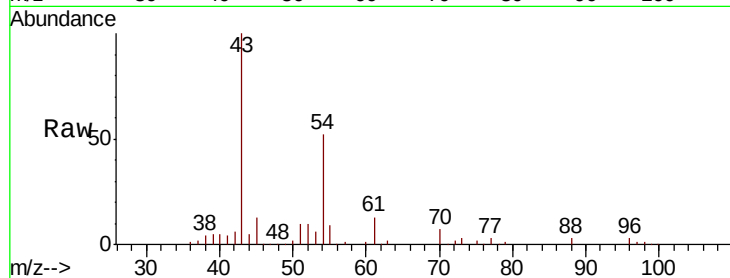




#37
Ethyl Acetate
Concen: 78.164 ug/l
RT: 5.67 min Scan# 422
Delta R.T. -0.03 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

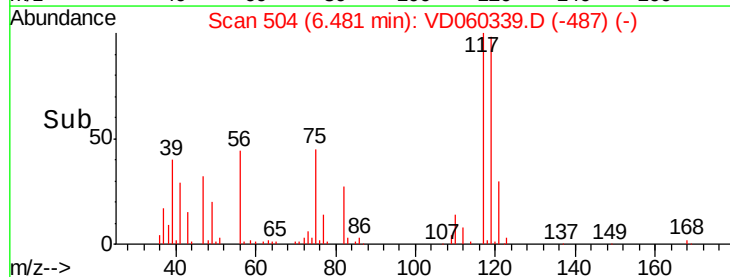
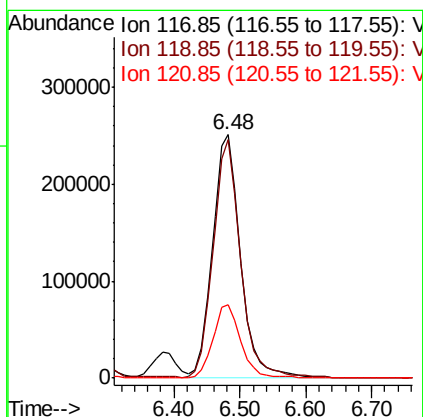
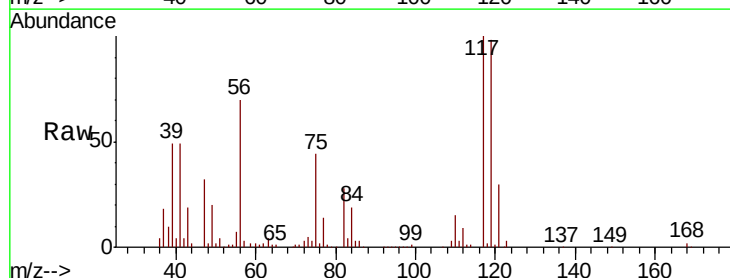
Instrument :
MSVOA_D
ClientSampled :
WALL-DMSD

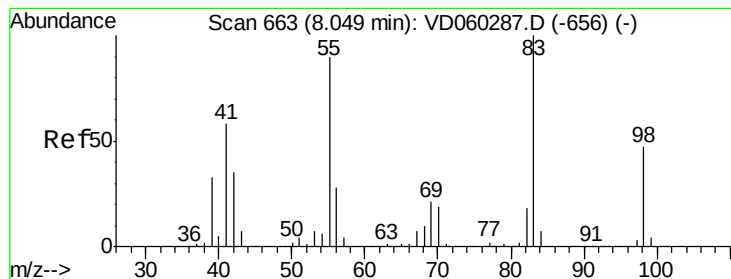
Tot Ion: 43 Resp: 397156
Ion Ratio Lower Upper
43 100
61 13.4 11.8 17.6
70 6.9 6.2 9.4



#38
Carbon Tetrachloride
Concen: 70.861 ug/l
RT: 6.48 min Scan# 504
Delta R.T. -0.03 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Tgt Ion: 117 Resp: 725819
Ion Ratio Lower Upper
117 100
119 97.9 76.6 115.0
121 30.3 24.3 36.5





#39

Methylvlcyclohexane

Concen: 82.005 ug/l

RT: 8.02 min Scan# 660

Delta R.T. -0.03 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

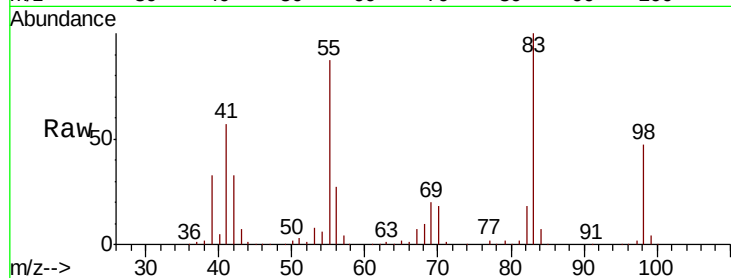
Tot Ion: 83 Resp: 1041460

Ion Ratio Lower Upper

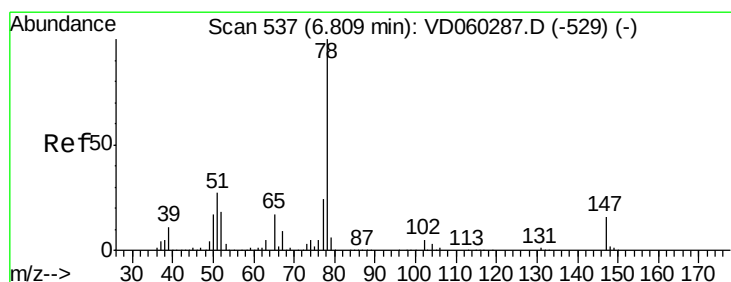
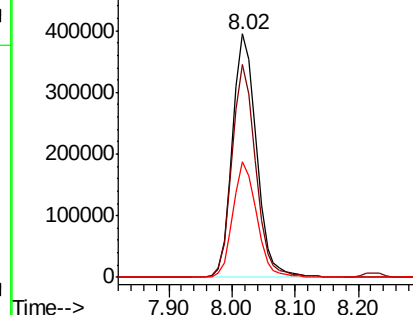
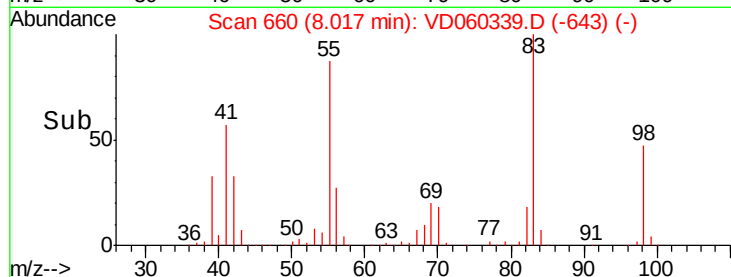
83 100

55 87.2 71.2 106.8

98 47.3 38.4 57.6



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



#40

Benzene

Concen: 61.757 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.03 min

Lab File: VD060339.D

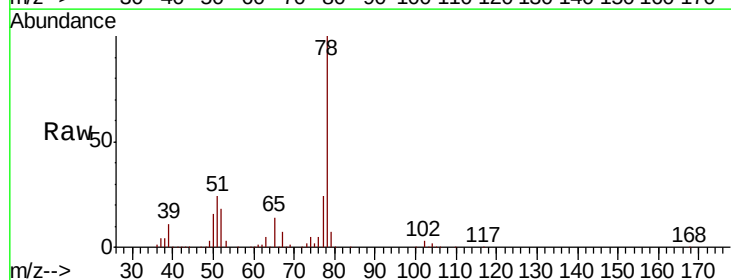
Acq: 12 Nov 2018 16:01

Tgt Ion: 78 Resp: 1740686

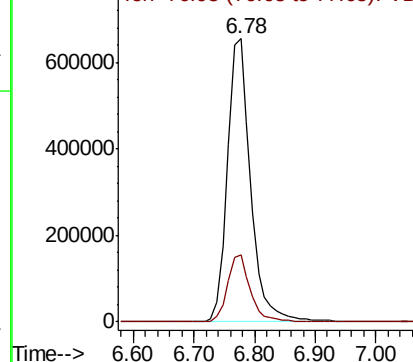
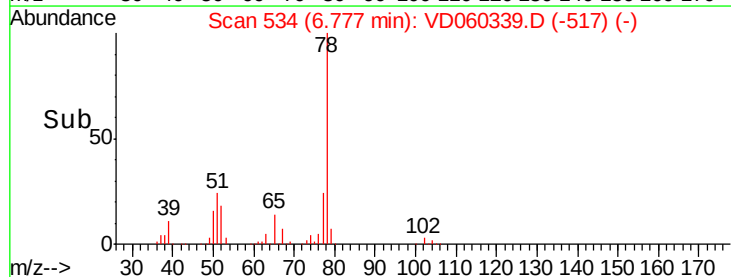
Ion Ratio Lower Upper

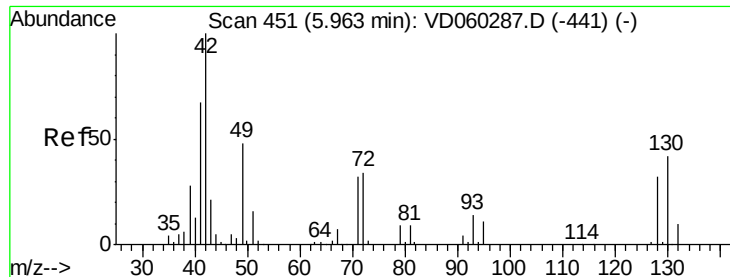
78 100

77 23.8 18.8 28.2



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





#41

Methacrylonitrile

Concen: 79.416 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.03 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

Tot Ion: 41 Resp: 461849

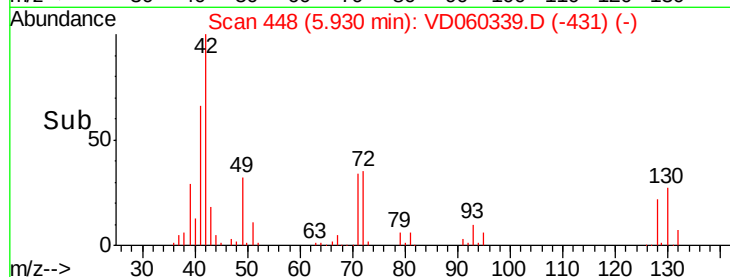
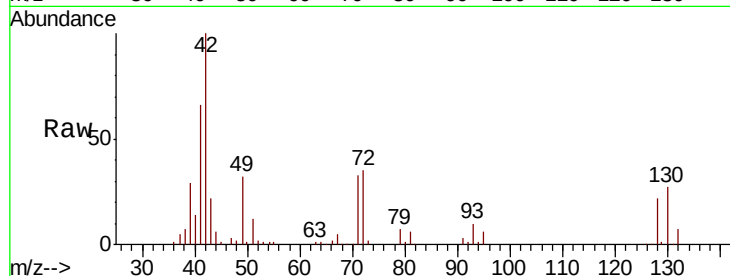
Ion Ratio Lower Upper

41 100

39 44.3 36.2 54.2

67 7.8 11.9 17.9#

52 3.5 5.2 7.8#

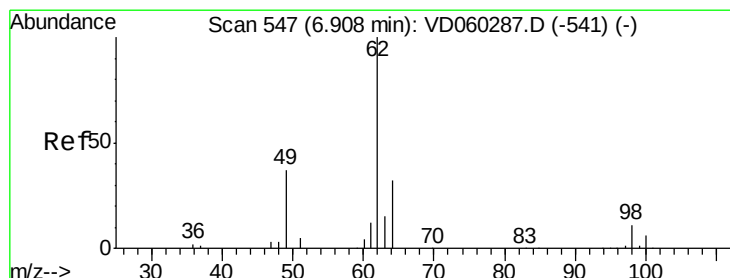
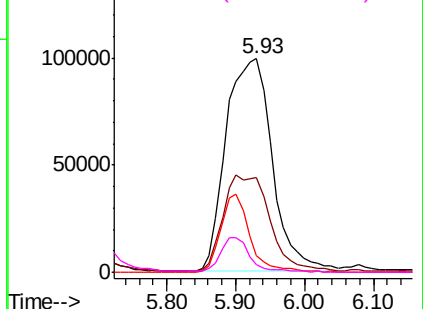


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 61.250 ug/l

RT: 6.88 min Scan# 544

Delta R.T. -0.03 min

Lab File: VD060339.D

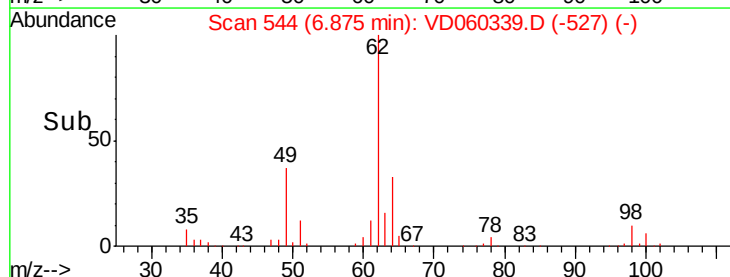
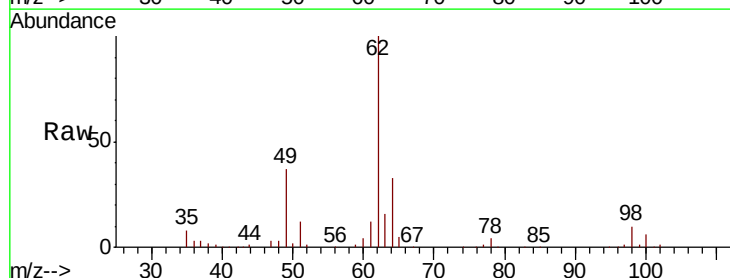
Acq: 12 Nov 2018 16:01

Tgt Ion: 62 Resp: 451874

Ion Ratio Lower Upper

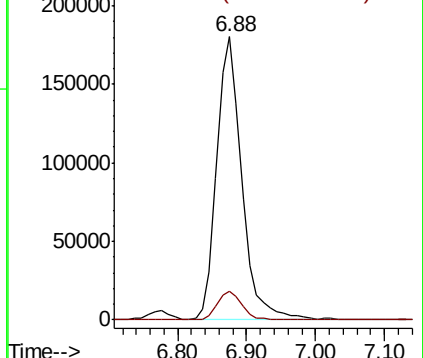
62 100

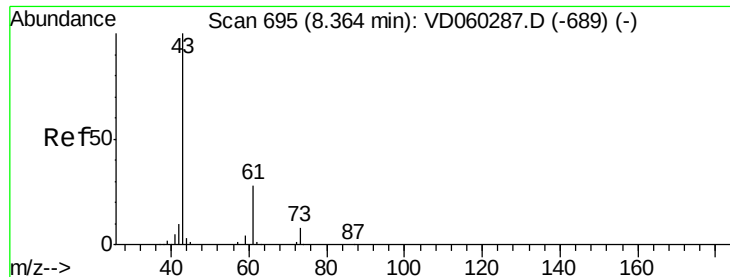
98 10.0 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 73.748 ug/l

RT: 8.33 min Scan# 692

Delta R.T. -0.03 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

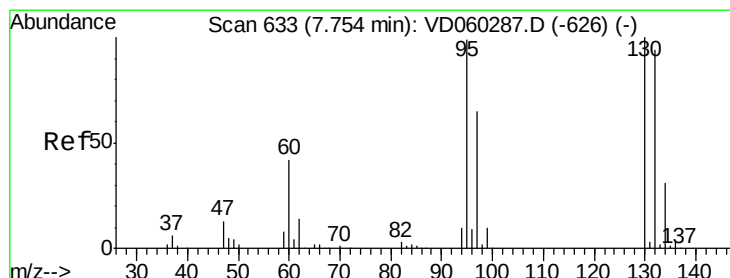
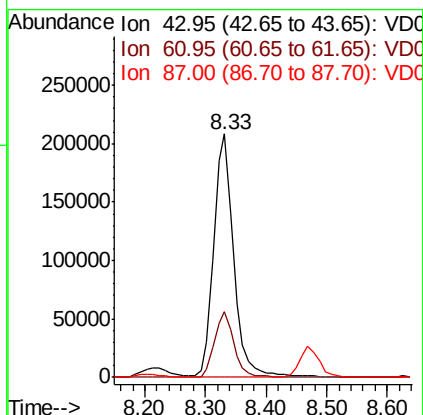
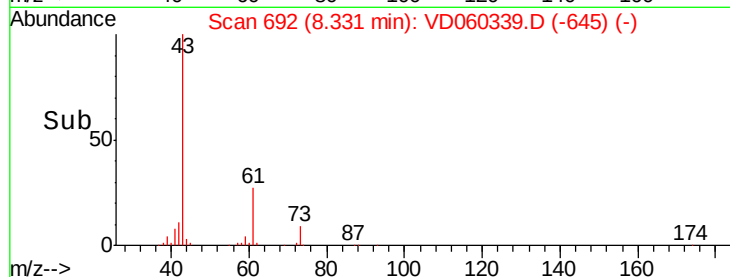
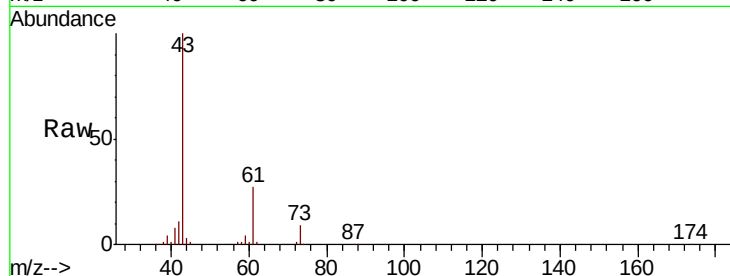
Tot Ion: 43 Resp: 470692

Ion Ratio Lower Upper

43 100

61 27.2 22.3 33.5

87 0.3 0.2 0.2#



#44

Trichloroethene

Concen: 60.066 ug/l

RT: 7.72 min Scan# 630

Delta R.T. -0.03 min

Lab File: VD060339.D

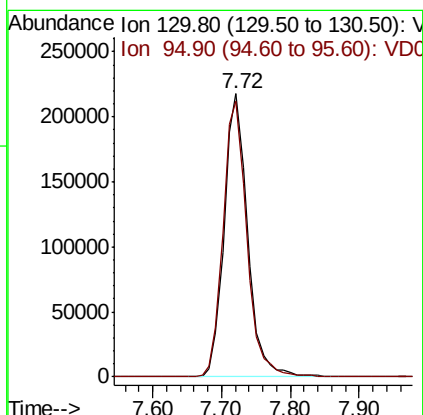
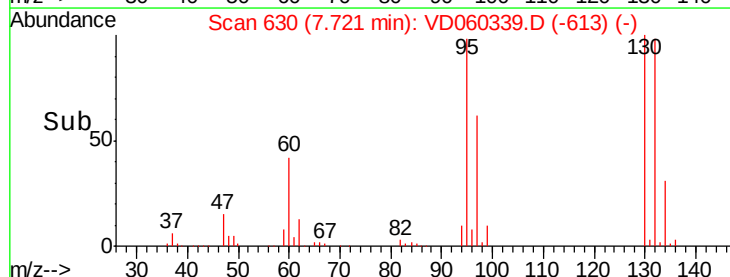
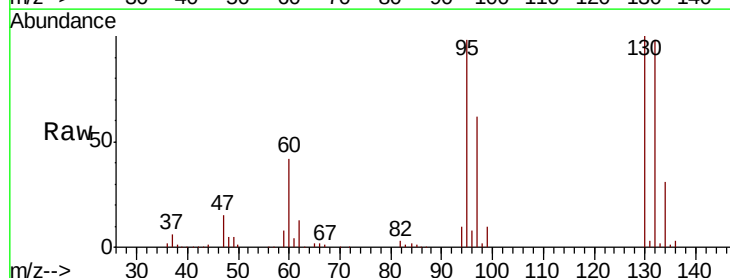
Acq: 12 Nov 2018 16:01

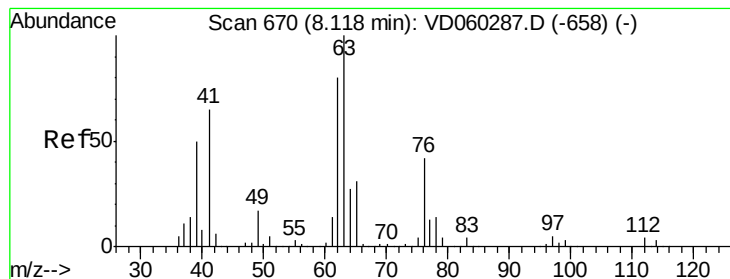
Tgt Ion: 130 Resp: 513217

Ion Ratio Lower Upper

130 100

95 97.6 0.0 200.0





#45

1,2-Dichloropropane

Concen: 58.436 ug/l

RT: 8.09 min Scan# 667

Delta R.T. -0.03 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

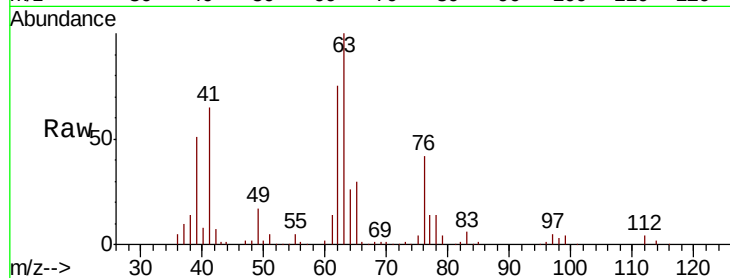
WALL-DMSD

Tot Ion: 63 Resp: 415392

Ion Ratio Lower Upper

63 100

65 30.4 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

200000

150000

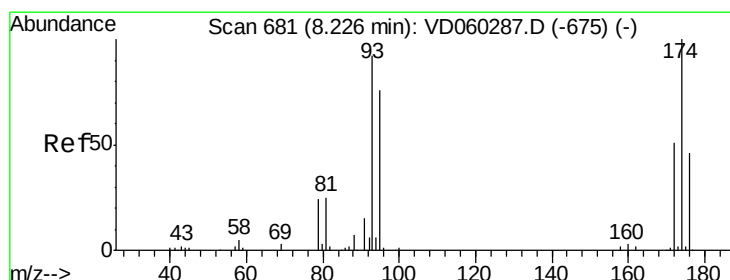
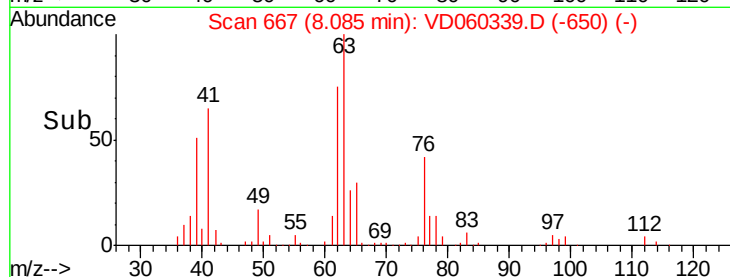
100000

50000

0

8.09

Time-->



#46

Dibromomethane

Concen: 63.486 ug/l

RT: 8.19 min Scan# 678

Delta R.T. -0.03 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

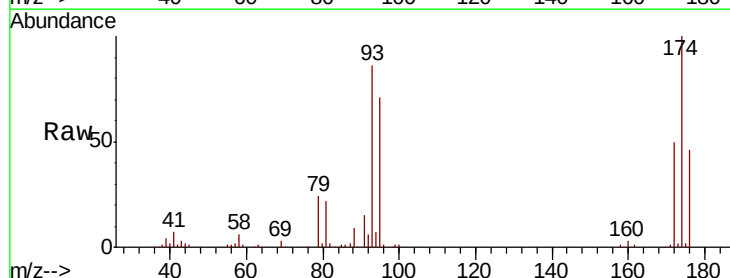
Tgt Ion: 93 Resp: 264315

Ion Ratio Lower Upper

93 100

95 82.0 66.4 99.6

174 116.1 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

150000

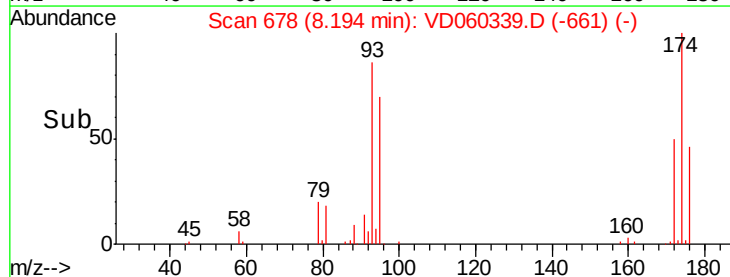
100000

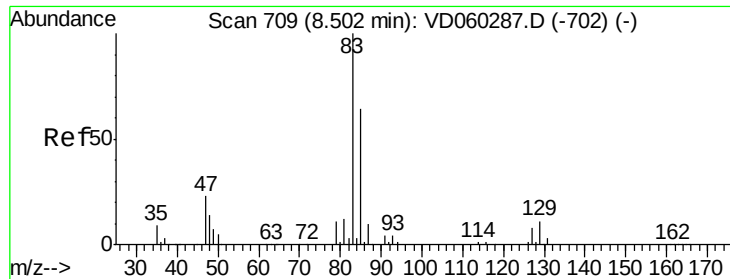
50000

0

8.19

Time-->





#47

Bromodichloromethane

Concen: 57.840 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.03 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

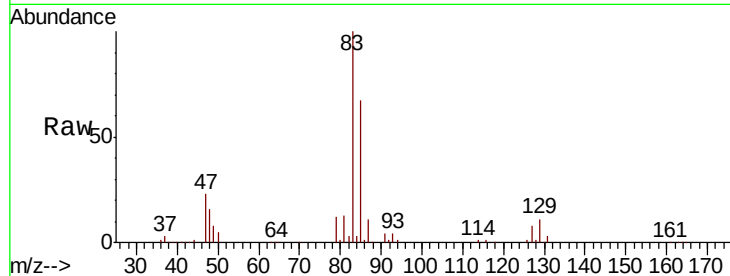
Tot Ion: 83 Resp: 567458

Ion Ratio Lower Upper

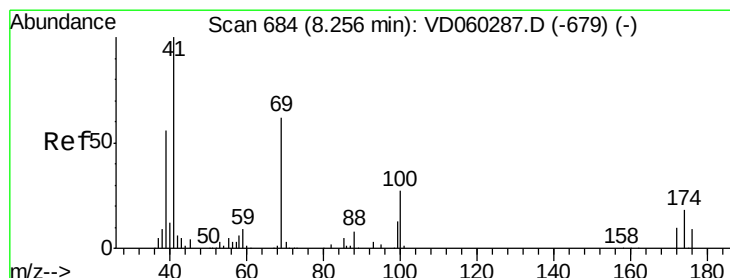
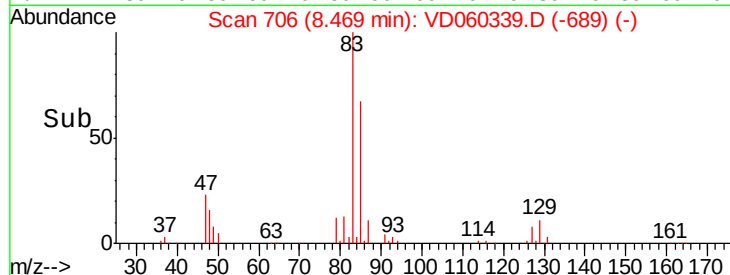
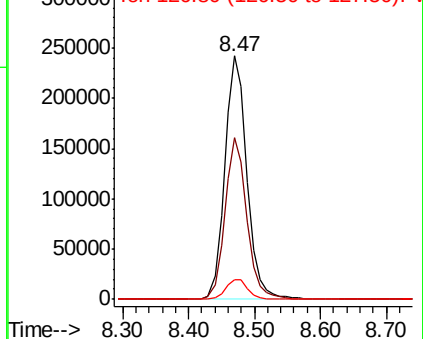
83 100

85 66.6 51.0 76.6

127 8.1 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: 75.334 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.03 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

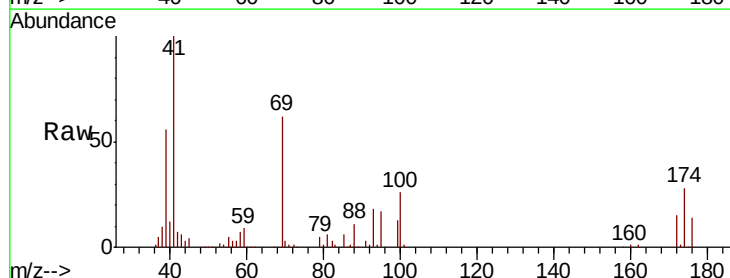
Tgt Ion: 41 Resp: 292060

Ion Ratio Lower Upper

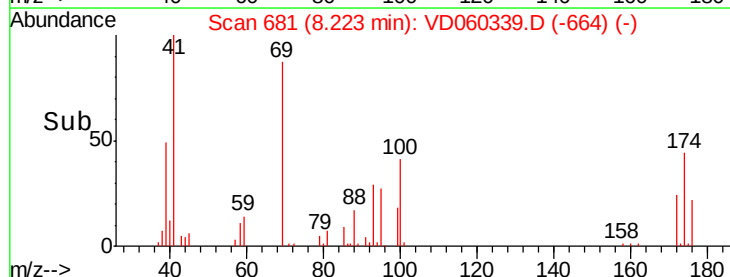
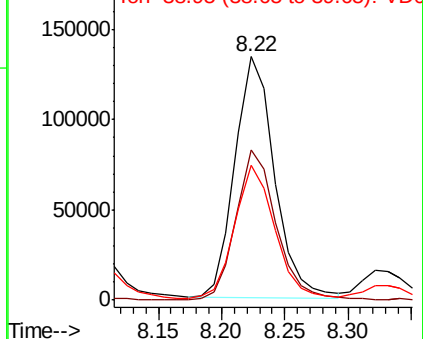
41 100

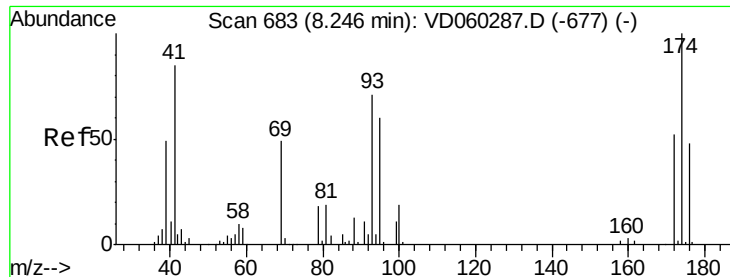
69 61.9 47.0 70.4

39 55.6 46.2 69.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1888.850 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.03 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

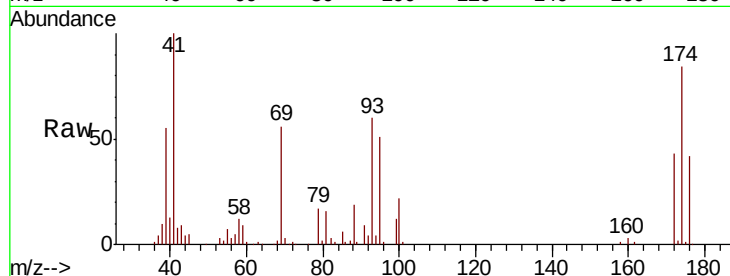
Tot Ion: 88 Resp: 63359

Ion Ratio Lower Upper

88 100

43 44.5 39.7 59.5

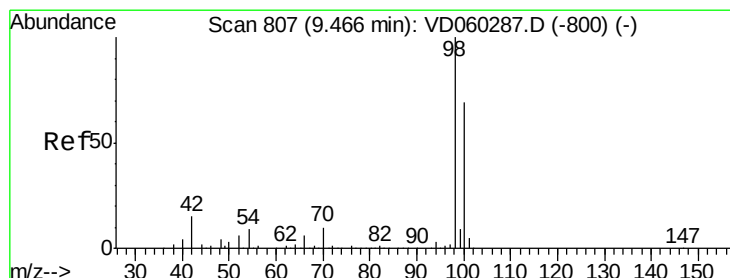
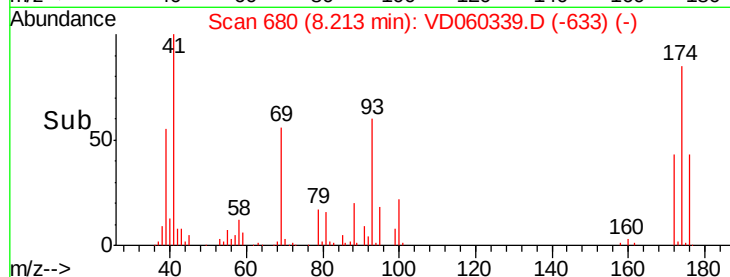
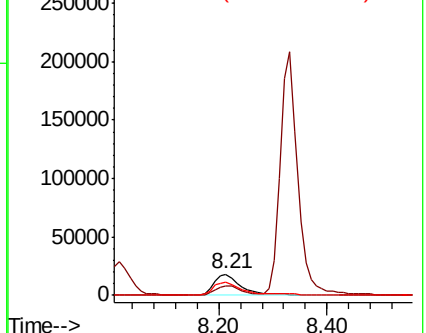
58 62.8 60.2 90.2



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: 1888.850 ug/l

RT: 9.43 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060339.D

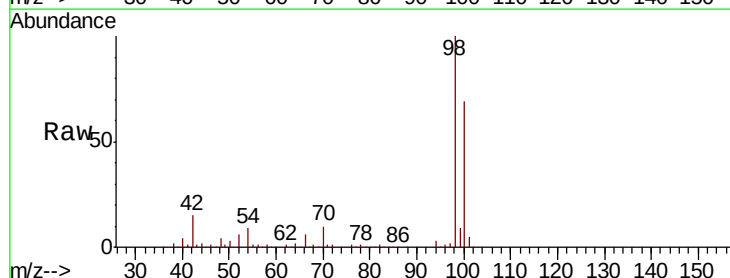
Acq: 12 Nov 2018 16:01

Tgt Ion: 98 Resp: 1168506

Ion Ratio Lower Upper

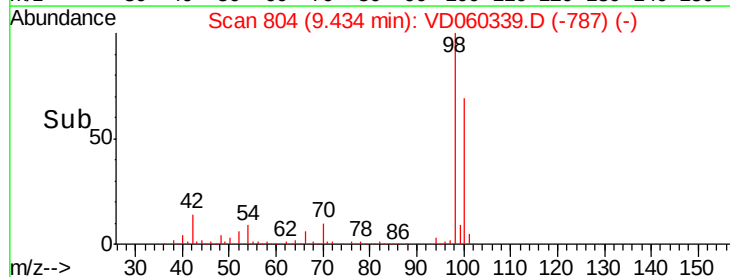
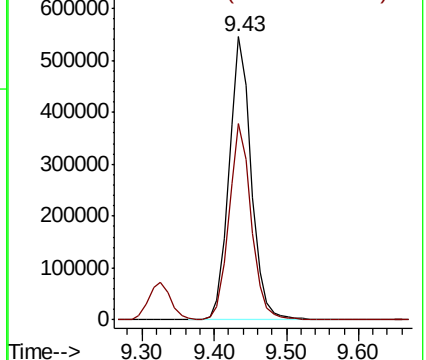
98 100

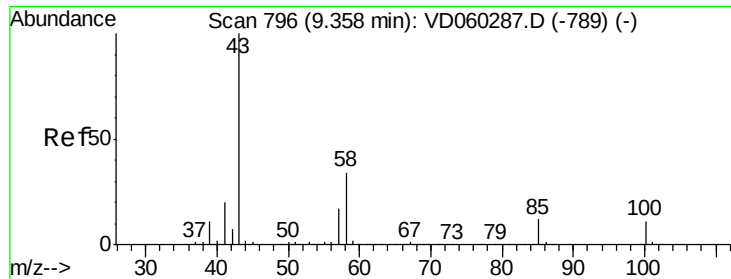
100 69.5 55.2 82.8



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: 386.294 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

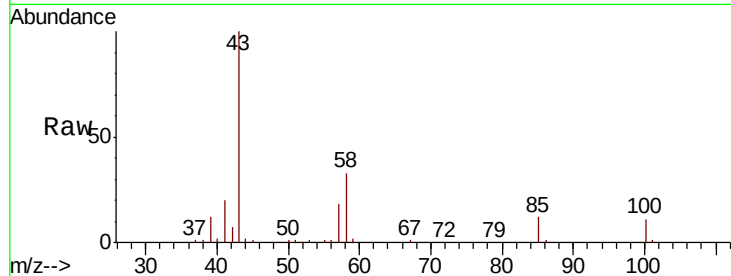
WALL-DMSD

Tot Ion: 43 Resp: 1604705

Ion Ratio Lower Upper

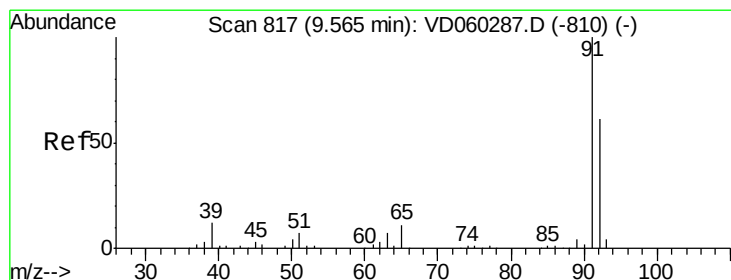
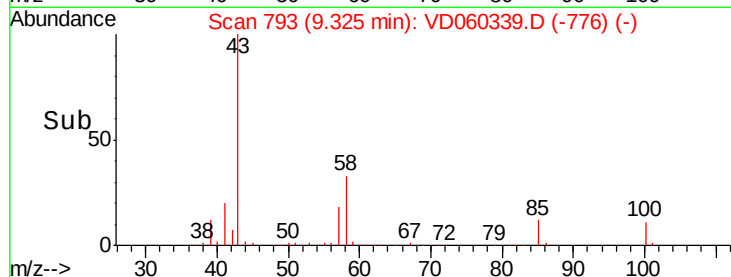
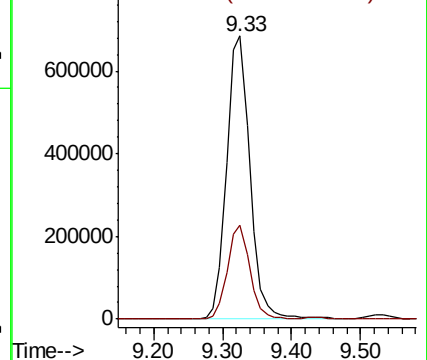
43 100

58 33.2 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: 58.696 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.03 min

Lab File: VD060339.D

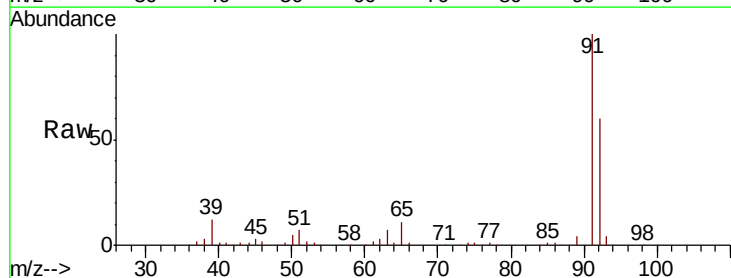
Acq: 12 Nov 2018 16:01

Tgt Ion: 92 Resp: 1056798

Ion Ratio Lower Upper

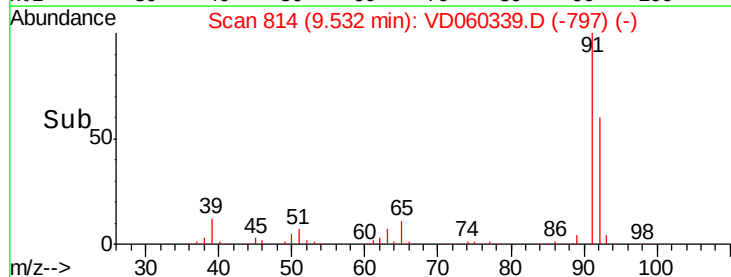
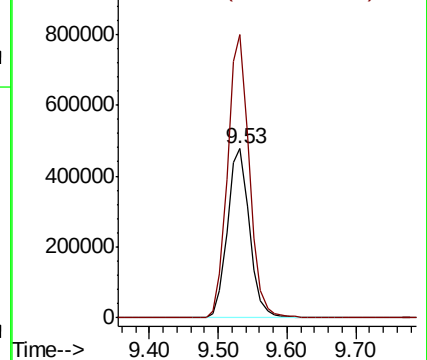
92 100

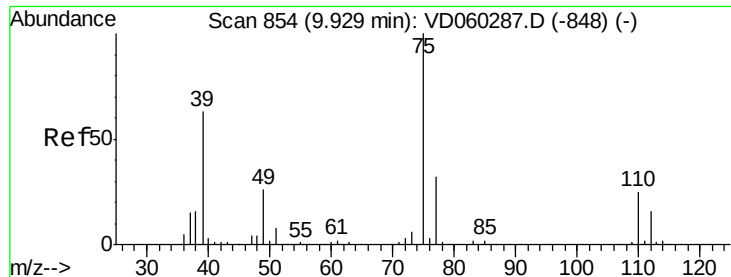
91 167.2 131.9 197.9



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: 56.746 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.03 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

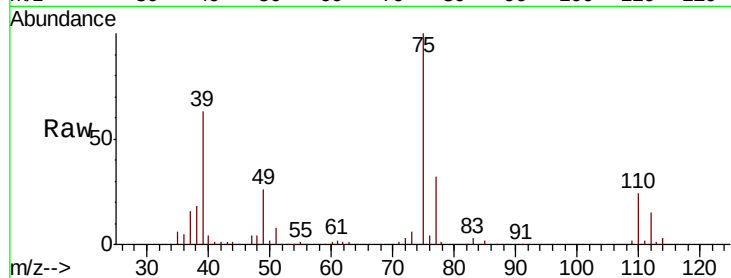
WALL-DMSD

Tot Ion: 75 Resp: 470394

Ion Ratio Lower Upper

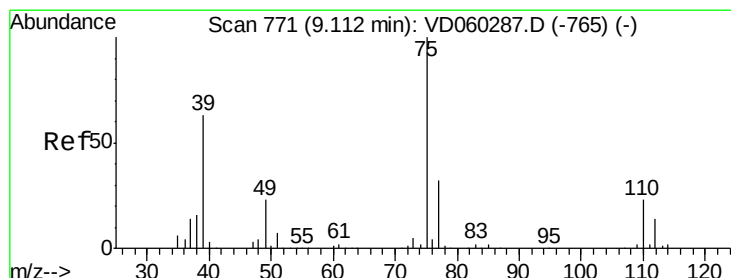
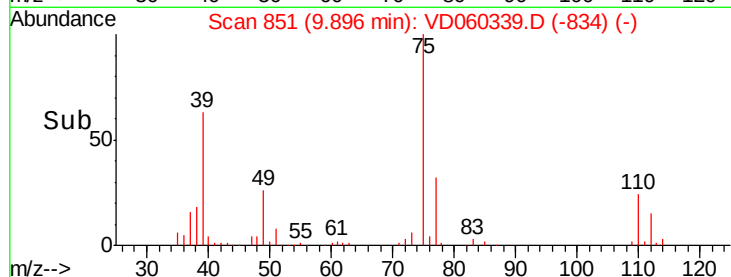
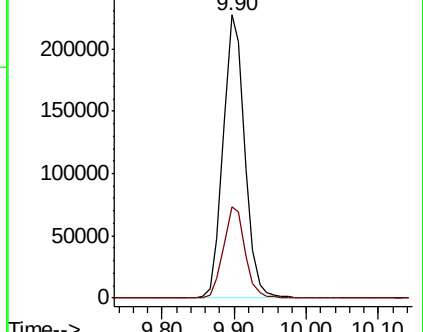
75 100

77 32.2 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 57.828 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.03 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

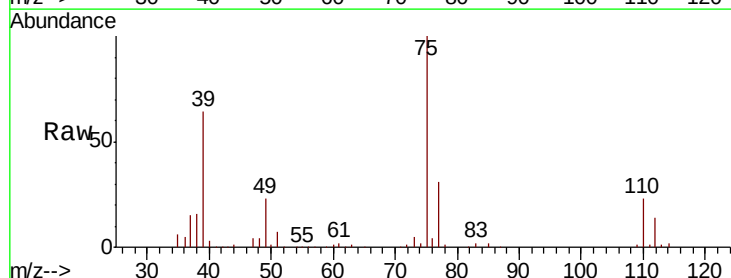
Tgt Ion: 75 Resp: 614830

Ion Ratio Lower Upper

75 100

77 31.5 26.3 39.5

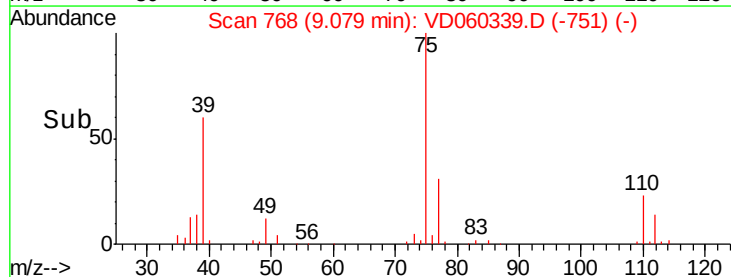
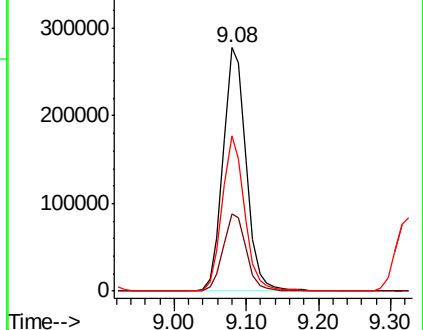
39 63.7 50.8 76.2

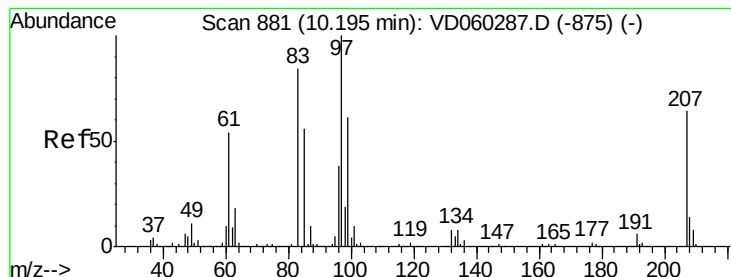


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 58.794 ug/l

RT: 10.16 min Scan# 878

Delta R.T. -0.03 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

Tot Ion: 97 Resp: 306813

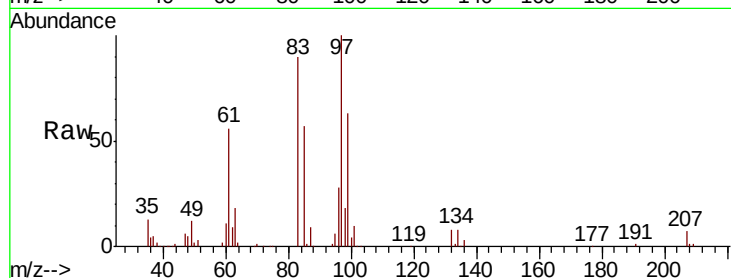
Ion Ratio Lower Upper

97 100

83 90.4 68.4 102.6

85 57.5 46.8 70.2

99 62.7 49.5 74.3

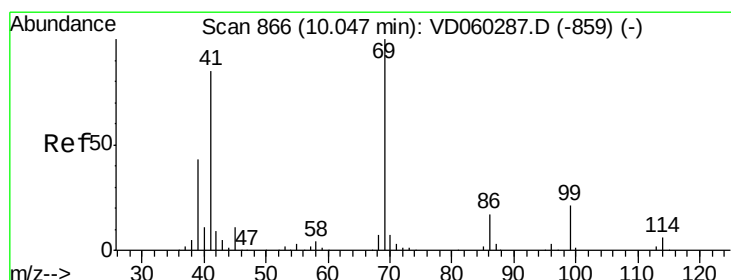
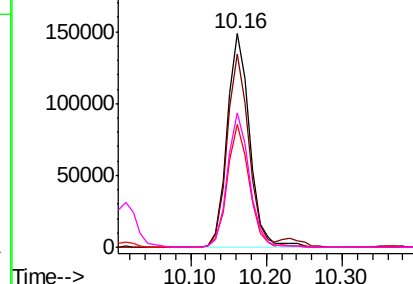
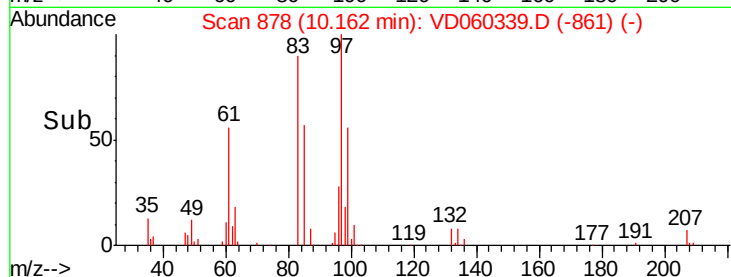


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 67.524 ug/l

RT: 10.01 min Scan# 863

Delta R.T. -0.03 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

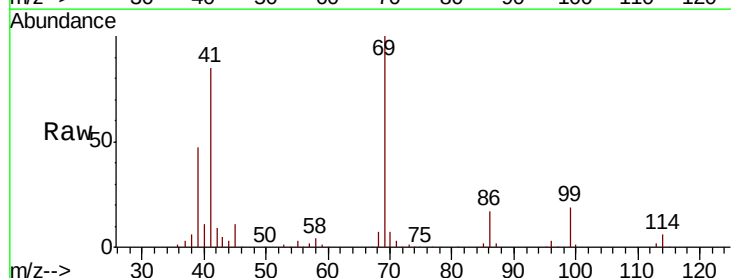
Tgt Ion: 69 Resp: 323987

Ion Ratio Lower Upper

69 100

41 85.2 69.0 103.4

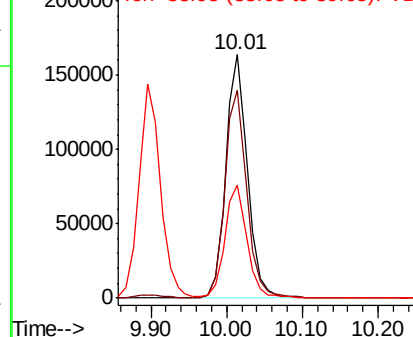
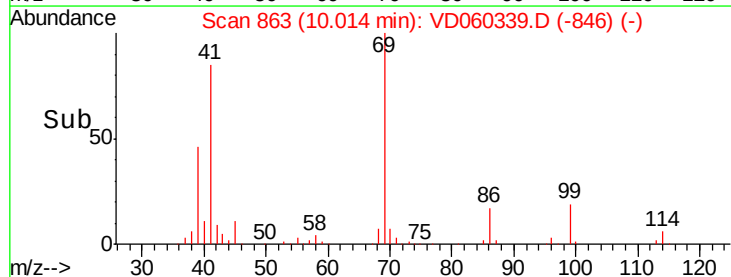
39 46.7 36.6 54.8

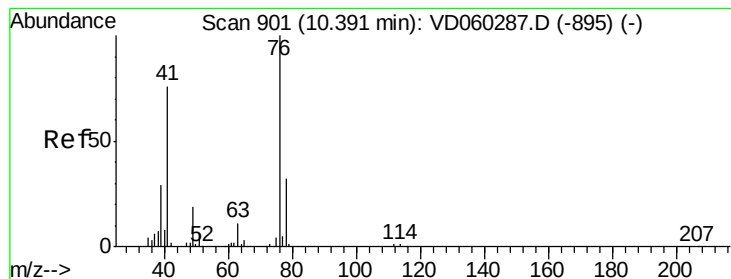


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 61.997 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.02 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

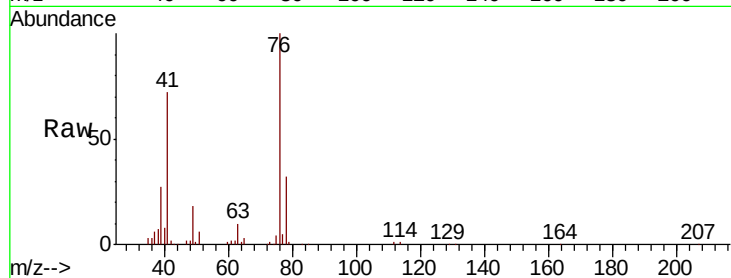
WALL-DMSD

Tot Ion: 76 Resp: 492985

Ion Ratio Lower Upper

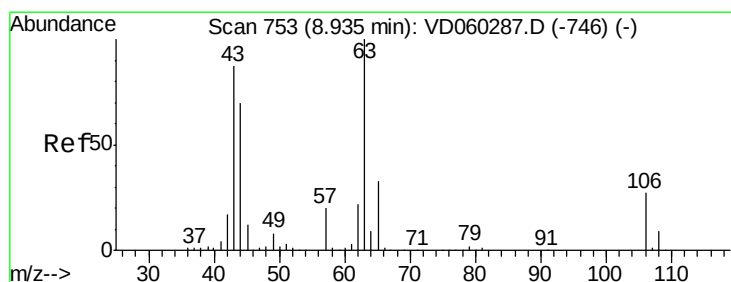
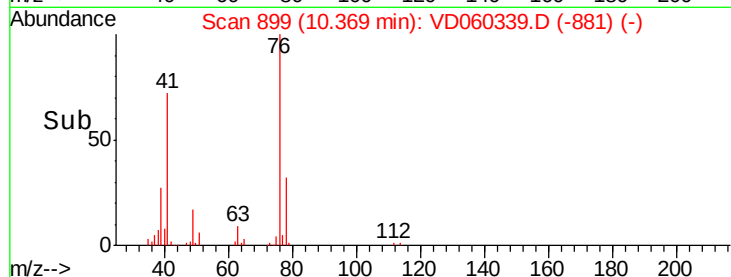
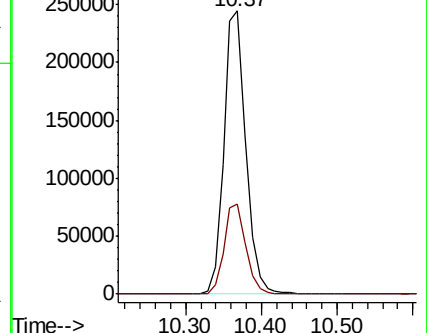
76 100

78 31.7 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: 350.273 ug/l

RT: 8.90 min Scan# 750

Delta R.T. -0.03 min

Lab File: VD060339.D

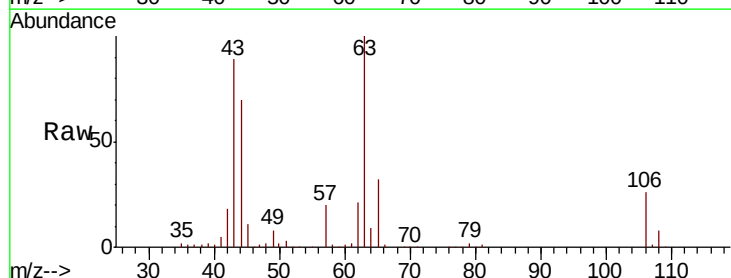
Acq: 12 Nov 2018 16:01

Tgt Ion: 63 Resp: 1016197

Ion Ratio Lower Upper

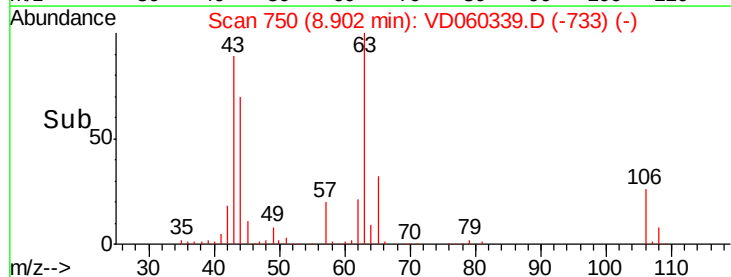
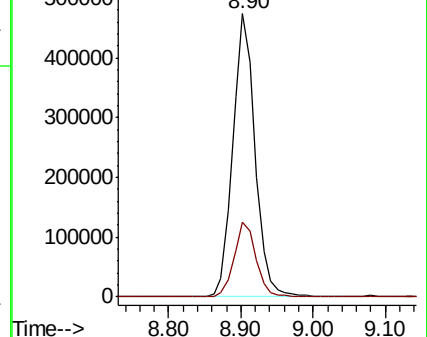
63 100

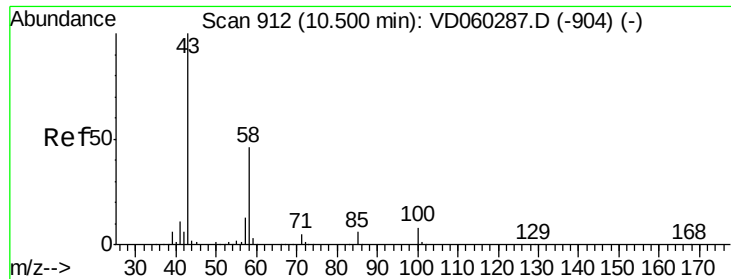
106 26.5 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

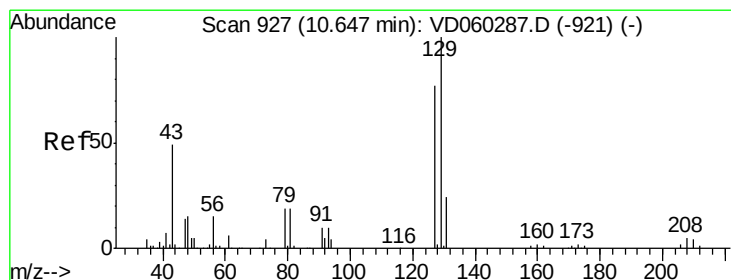
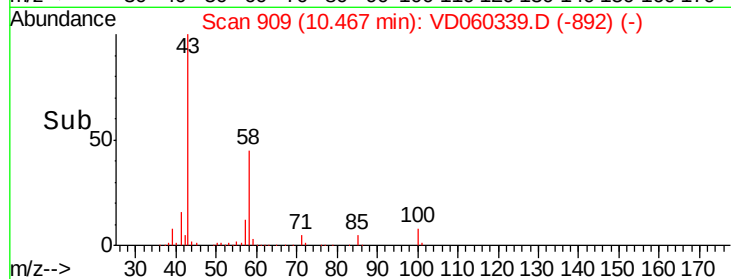
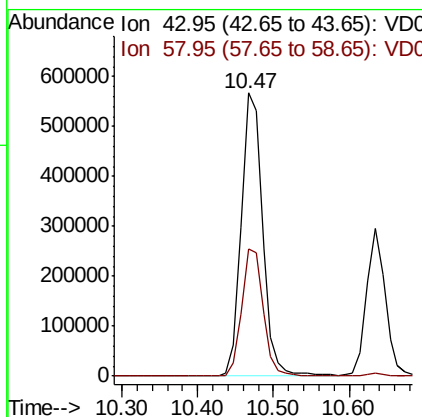
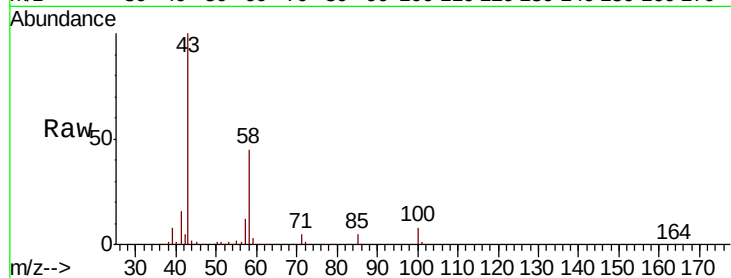




#59
2-Hexanone
Concen: 372.723 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.03 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

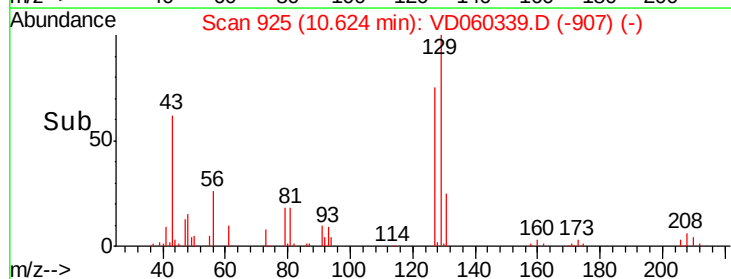
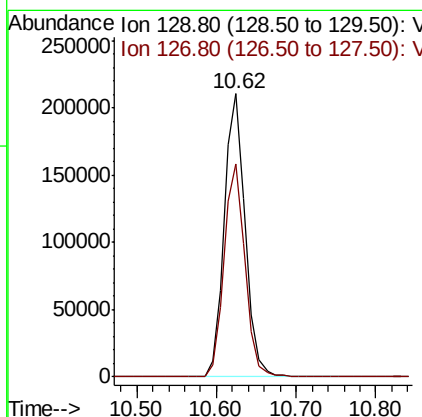
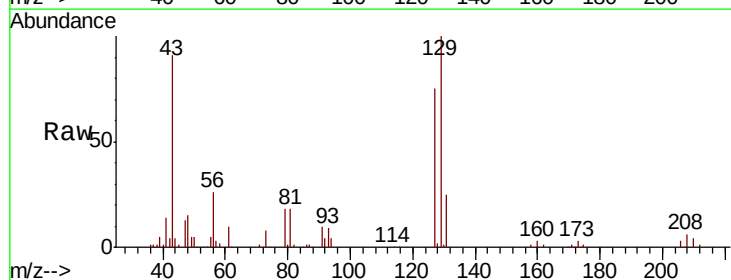
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

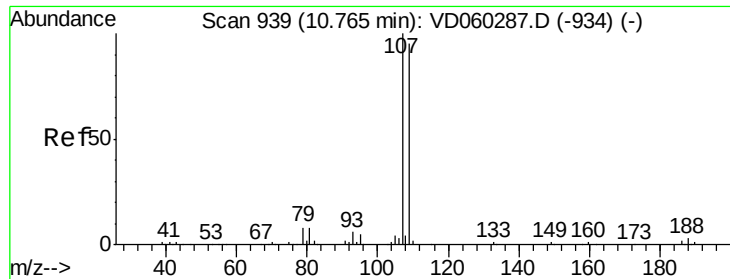
Tot Ion: 43 Resp: 1103554
Ion Ratio Lower Upper
43 100
58 44.8 22.9 68.5



#60
Dibromochloromethane
Concen: 61.471 ug/l
RT: 10.62 min Scan# 925
Delta R.T. -0.02 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Tgt Ion: 129 Resp: 389940
Ion Ratio Lower Upper
129 100
127 75.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 63.177 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

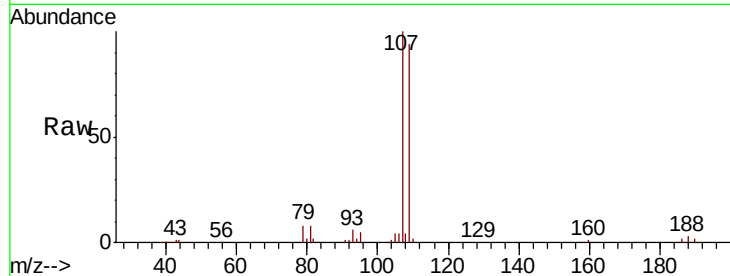
WALL-DMSD

Tot Ion:107 Resp: 330326

Ion Ratio Lower Upper

107 100

109 94.3 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.74

200000

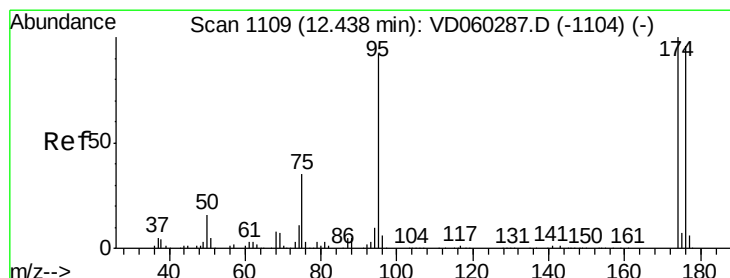
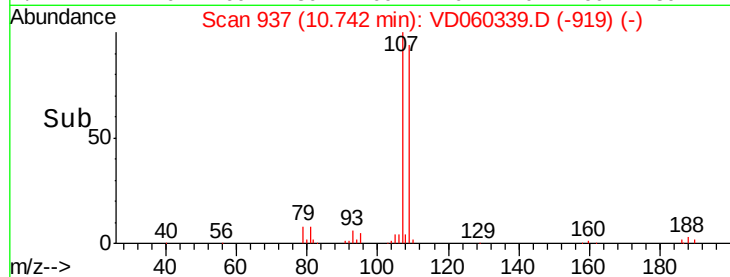
150000

100000

50000

0

Time--> 10.60 10.70 10.80 10.90



#62

4-Bromofluorobenzene

Concen: 63.177 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

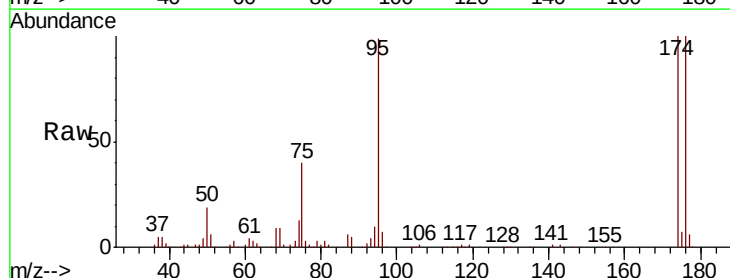
Tgt Ion: 95 Resp: 347691

Ion Ratio Lower Upper

95 100

174 100.5 0.0 160.8

176 100.5 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

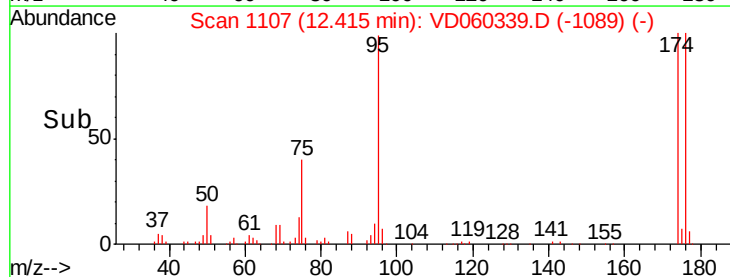
300000

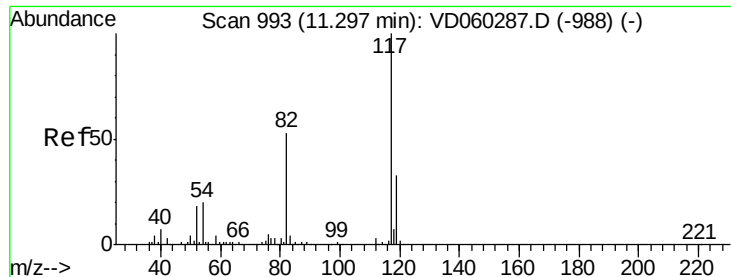
200000

100000

0

Time--> 12.30 12.40 12.50

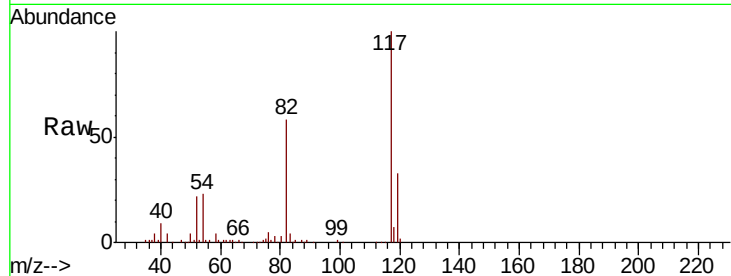




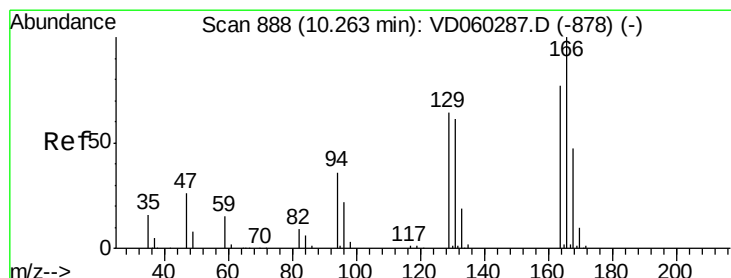
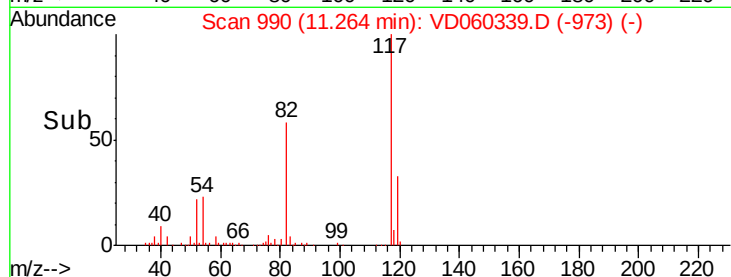
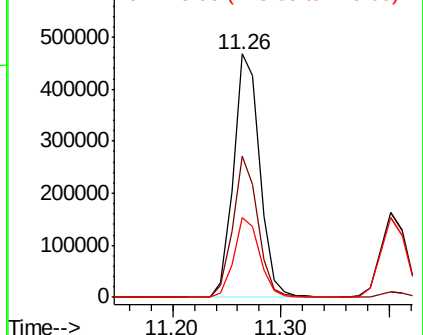
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

Tot Ion:117 Resp: 788036
Ion Ratio Lower Upper
117 100
82 58.2 43.7 65.5
119 32.6 26.1 39.1

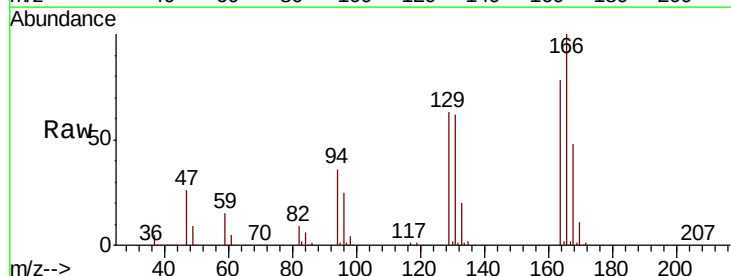


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

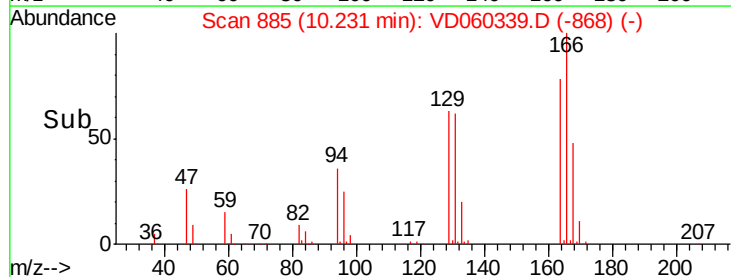
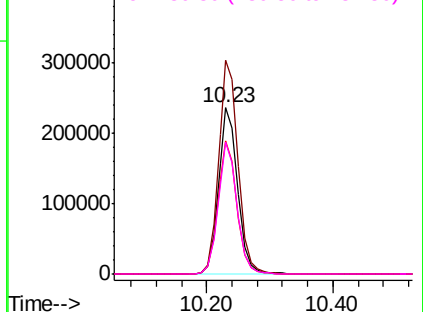


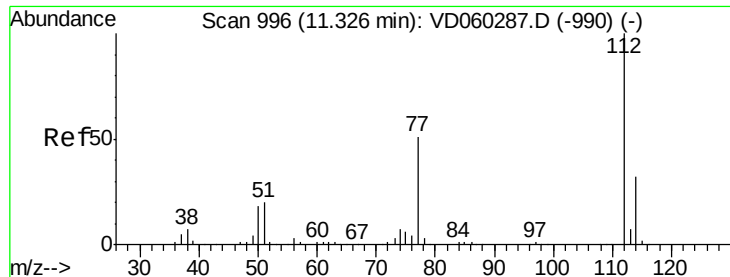
#64
Tetrachloroethene
Concen: 71.142 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.03 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Tgt Ion:164 Resp: 500494
Ion Ratio Lower Upper
164 100
166 128.5 103.7 155.5
129 80.5 65.6 98.4
131 79.4 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

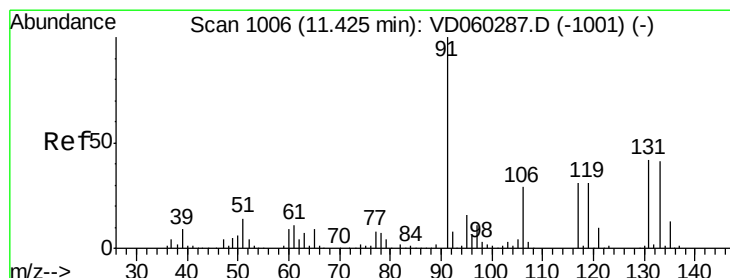
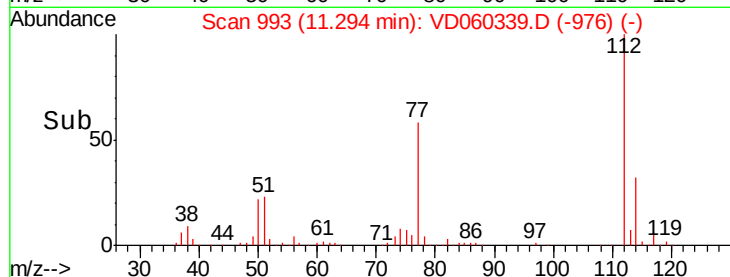
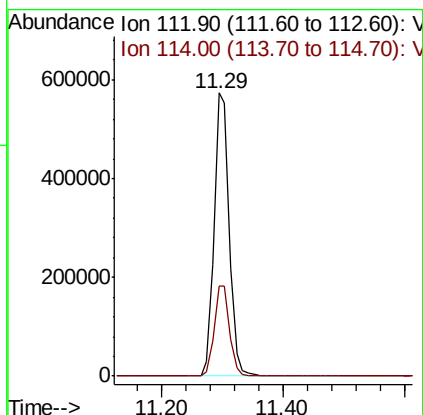
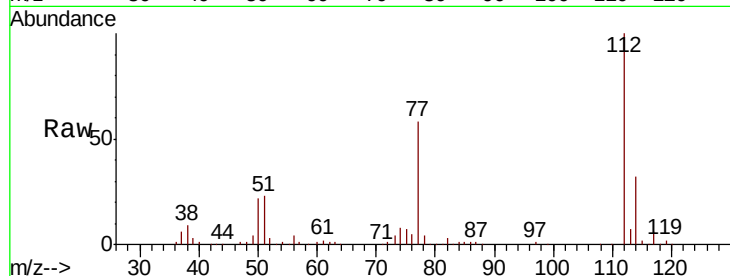




#65
Chlorobenzene
Concen: 57.983 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.03 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

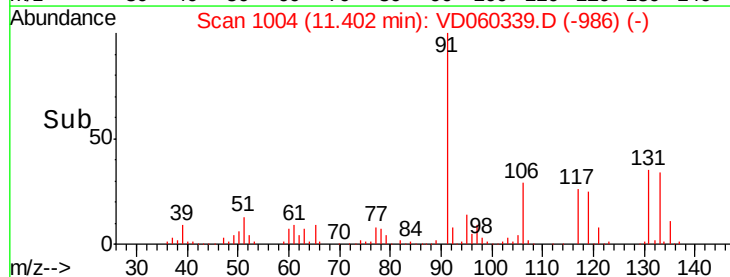
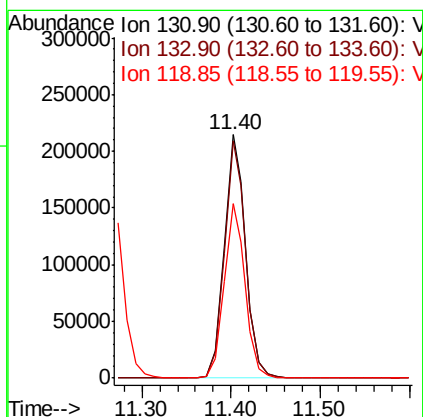
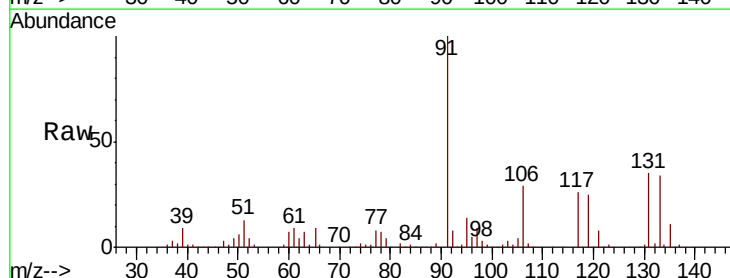
Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

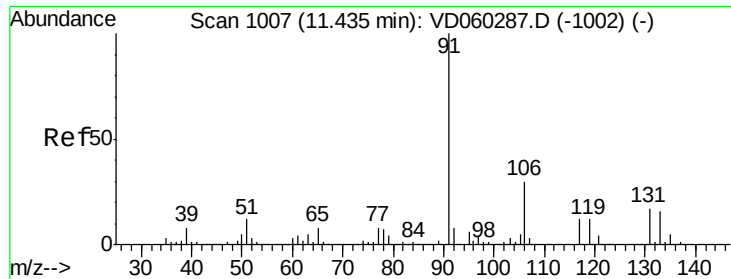
Tot Ion:112 Resp: 990040
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 64.497 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.02 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Tgt Ion:131 Resp: 360321
Ion Ratio Lower Upper
131 100
133 97.5 50.0 150.0
119 71.4 37.0 111.1

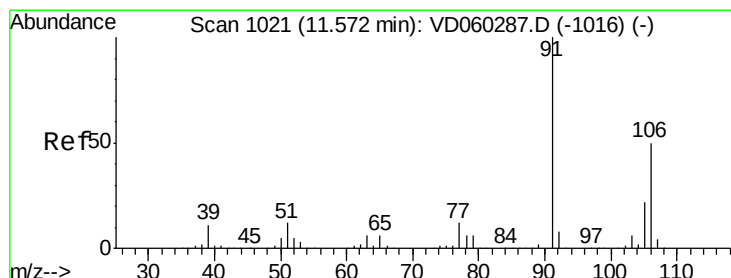
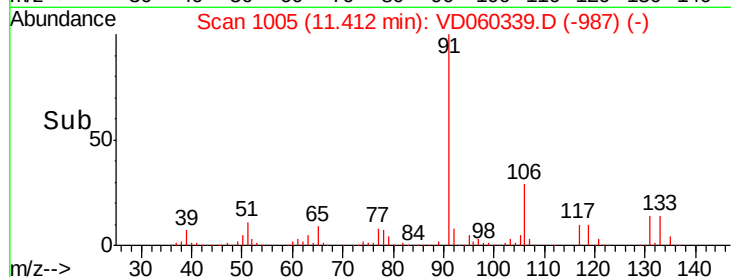
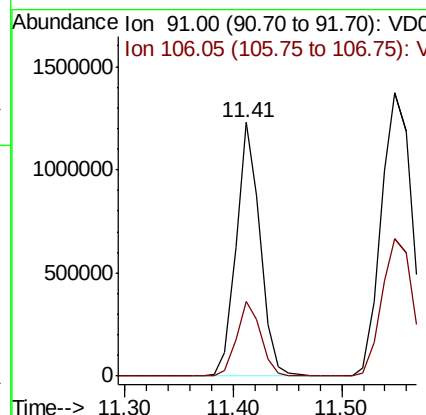
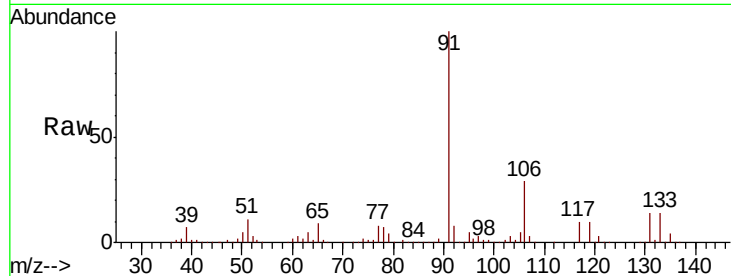




#67
Ethyl Benzene
Concen: 64.267 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

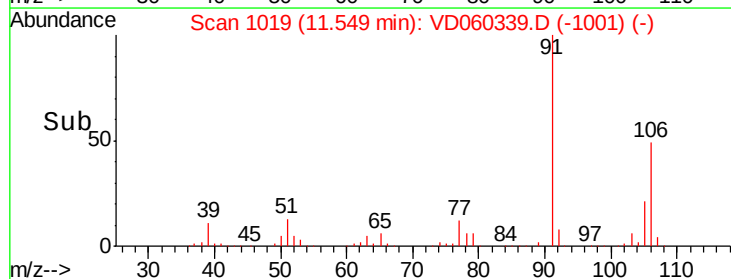
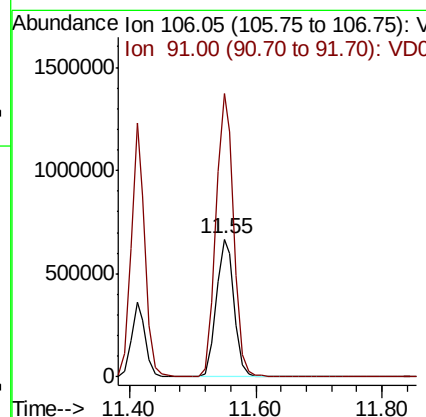
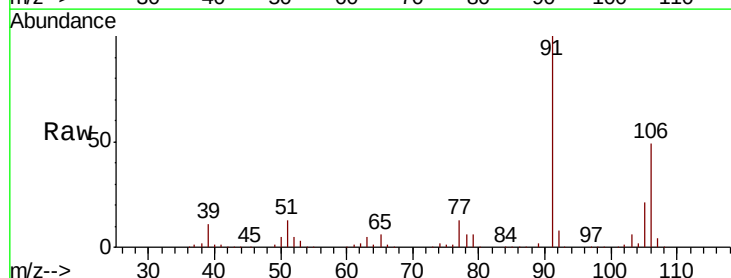
Instrument :
MSVOA_D
ClientSampled :
WALL-DMSD

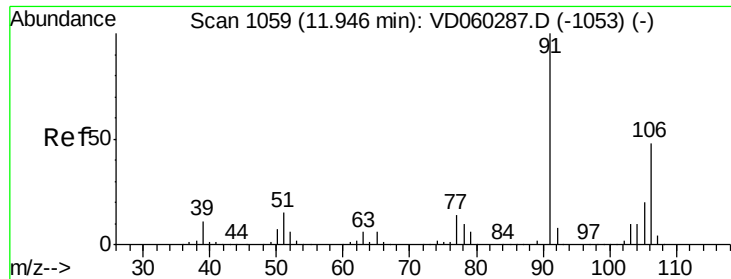
Tot Ion: 91 Resp: 1877151
Ion Ratio Lower Upper
91 100
106 29.5 24.6 36.8



#68
m/p-Xylenes
Concen: 122.856 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.02 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Tgt Ion: 106 Resp: 1323708
Ion Ratio Lower Upper
106 100
91 205.1 159.4 239.2

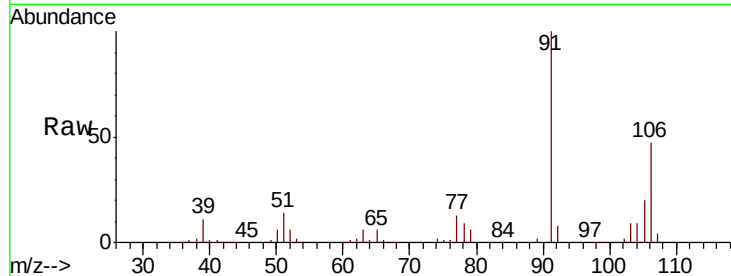




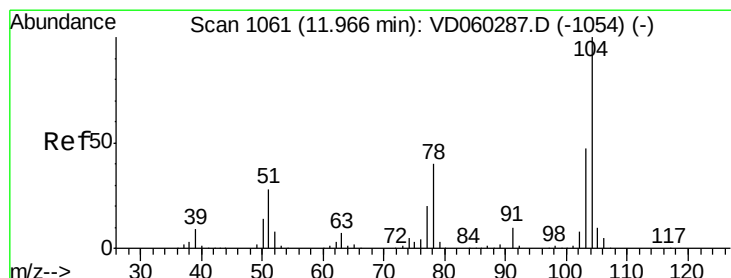
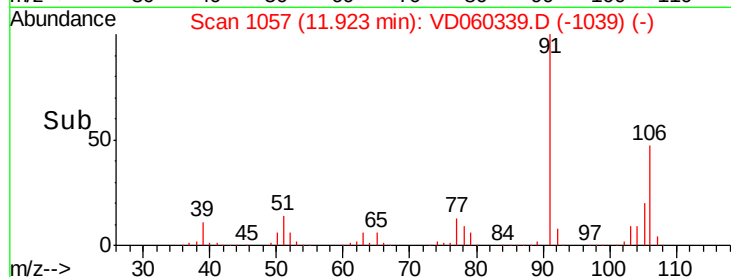
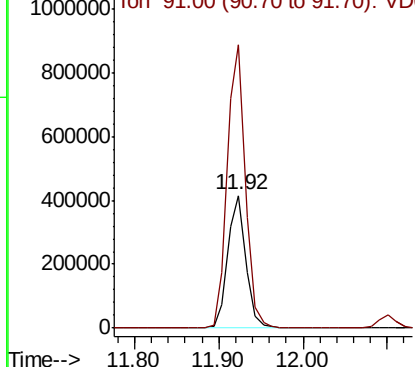
#69
o-Xylene
Concen: 59.161 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

Tot Ion:106 Resp: 615811
Ion Ratio Lower Upper
106 100
91 213.0 109.2 327.6

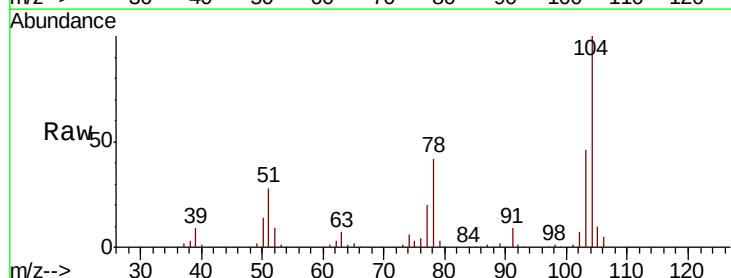


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

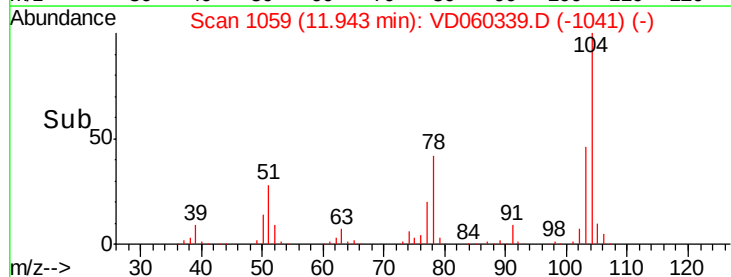
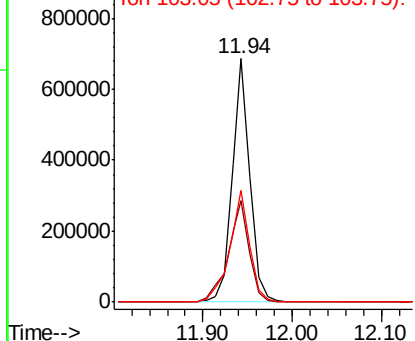


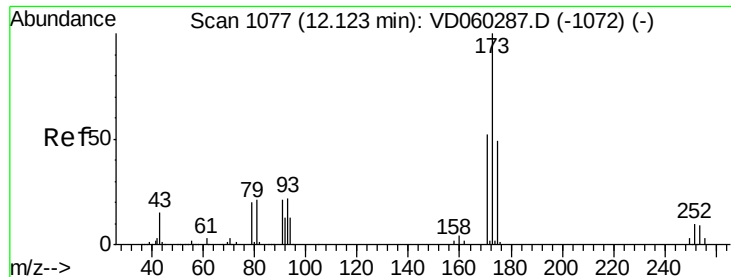
#70
Styrene
Concen: 57.231 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Tgt Ion:104 Resp: 962761
Ion Ratio Lower Upper
104 100
78 41.7 31.6 47.4
103 46.1 37.0 55.6



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





#71

Bromoform

Concen: 70.719 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.02 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

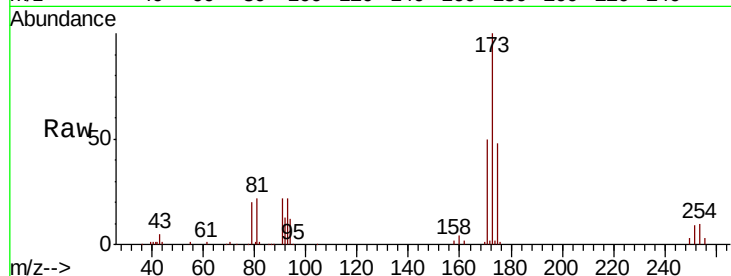
Tot Ion:173 Resp: 265483

Ion Ratio Lower Upper

173 100

175 48.5 24.3 73.0

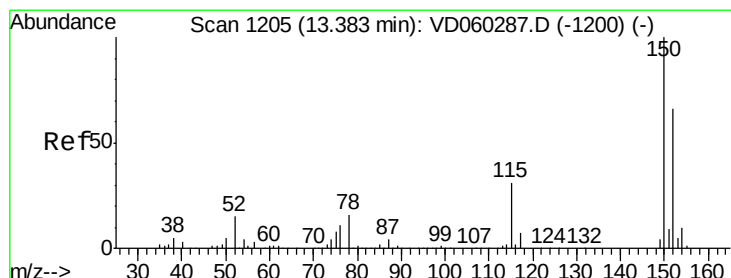
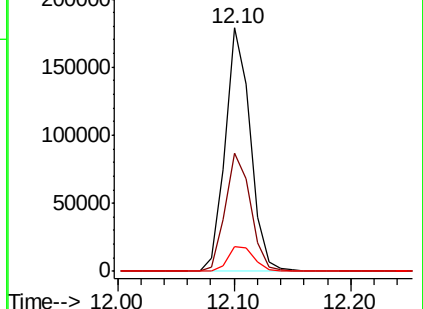
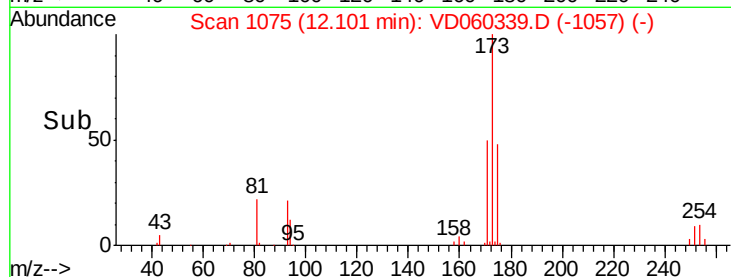
254 9.9 8.3 12.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

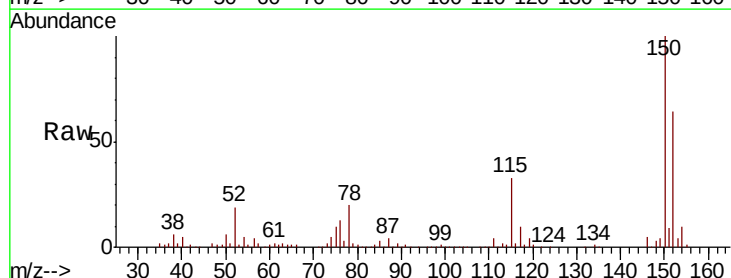
Tgt Ion:152 Resp: 320830

Ion Ratio Lower Upper

152 100

115 51.8 24.1 72.3

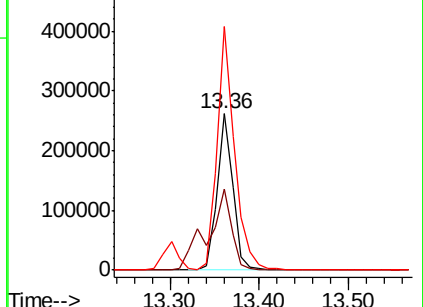
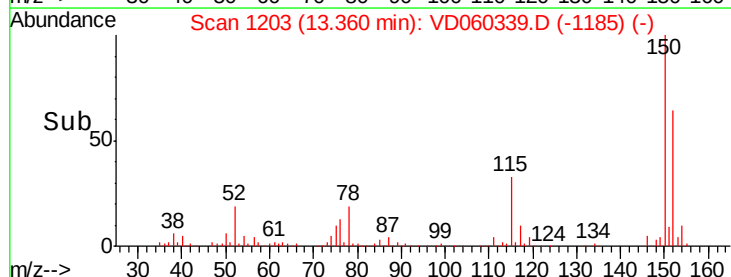
150 156.1 0.0 310.6

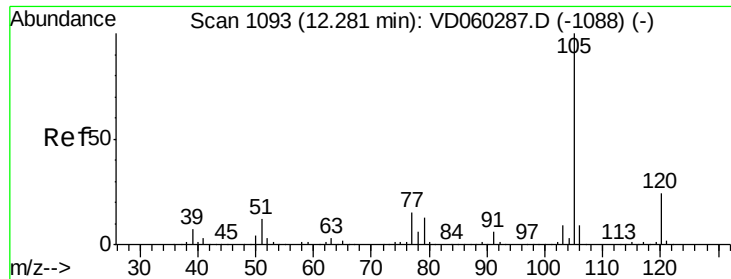


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 77.548 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

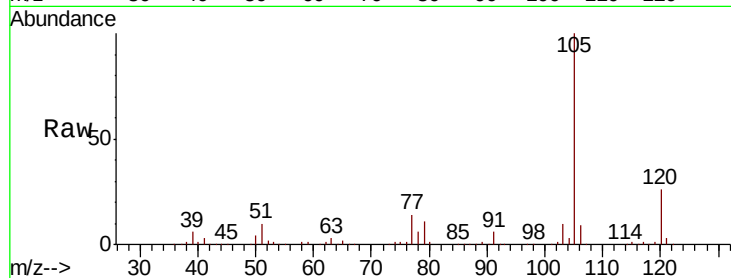
WALL-DMSD

Tot Ion:105 Resp: 1812664

Ion Ratio Lower Upper

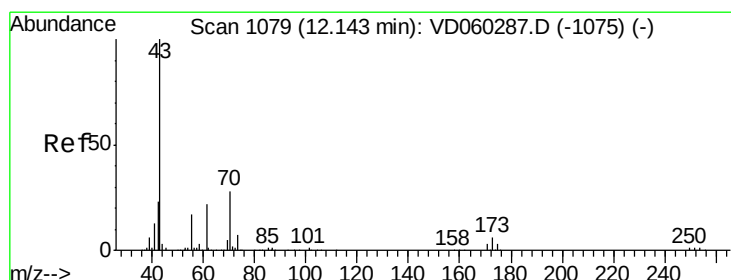
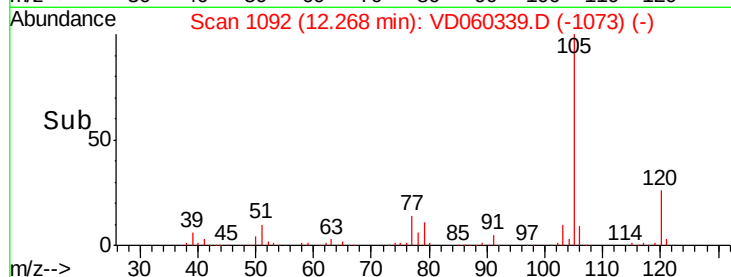
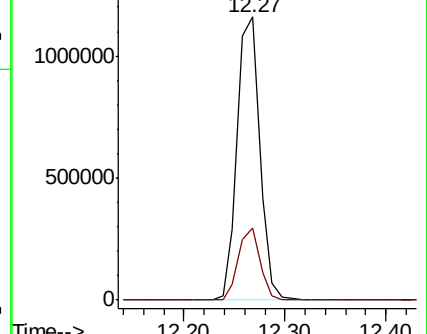
105 100

120 25.7 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 78.926 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Tgt Ion: 43 Resp: 472987

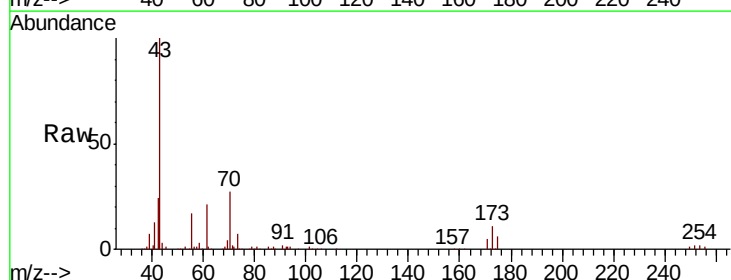
Ion Ratio Lower Upper

43 100

70 27.4 23.0 34.4

55 17.3 14.2 21.4

61 21.4 17.8 26.8

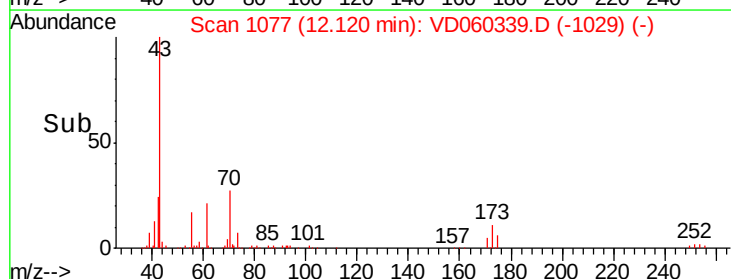
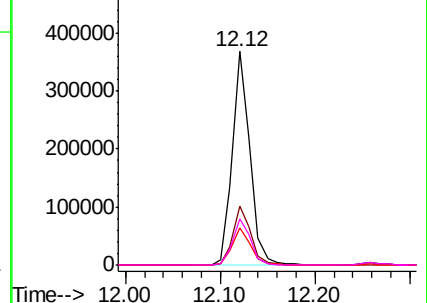


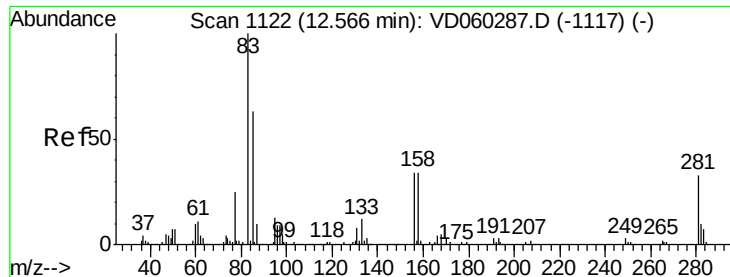
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 92.236 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

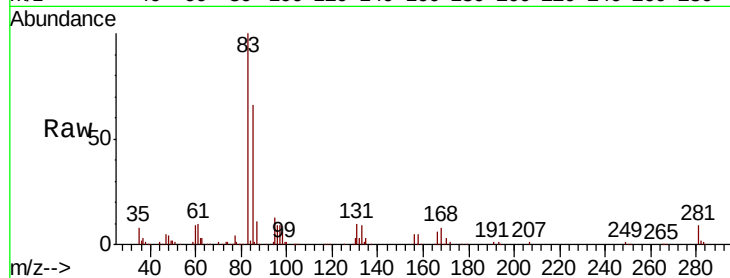
Tot Ion: 83 Resp: 352600

Ion Ratio Lower Upper

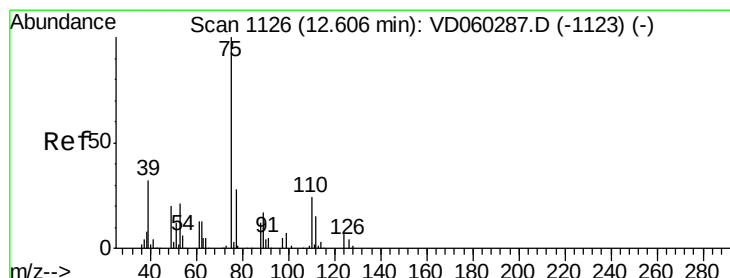
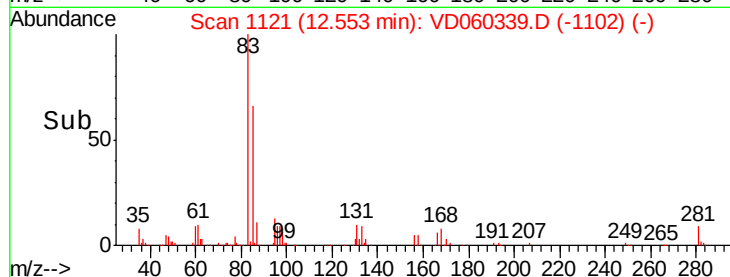
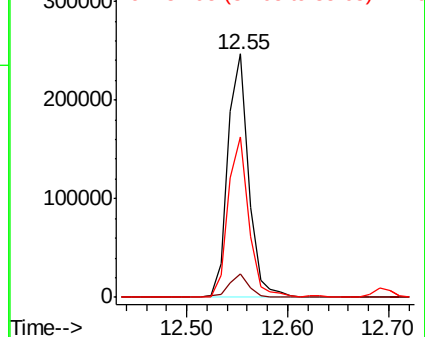
83 100

131 9.6 3.9 11.5

85 65.8 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: 94.818 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VD060339.D

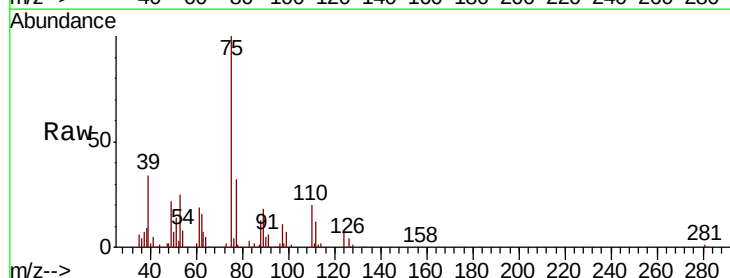
Acq: 12 Nov 2018 16:01

Tgt Ion: 75 Resp: 363900

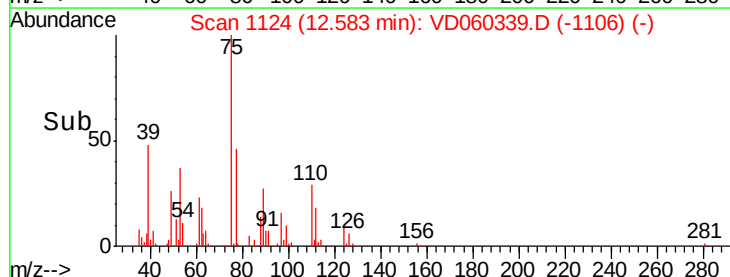
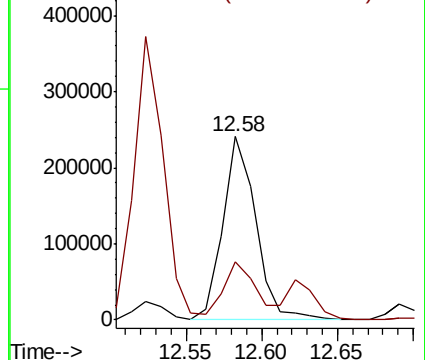
Ion Ratio Lower Upper

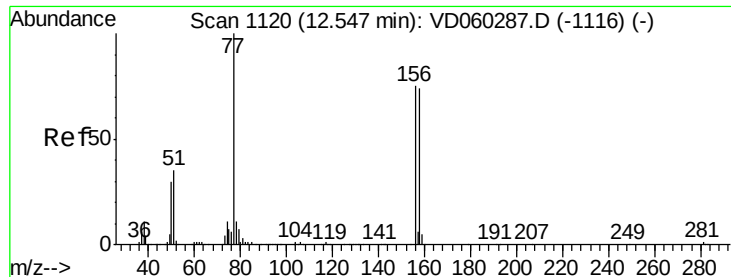
75 100

77 31.7 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 65.681 ug/l

RT: 12.52 min Scan# 1118

Delta R.T. -0.02 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

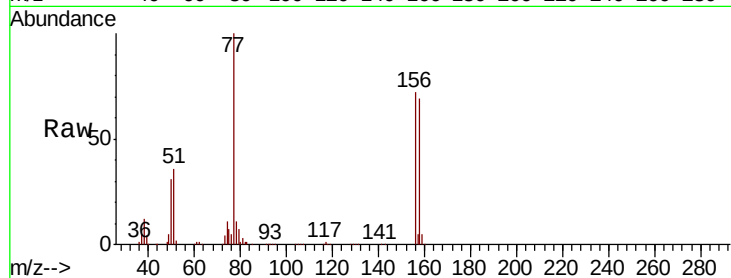
Tot Ion:156 Resp: 407809

Ion Ratio Lower Upper

156 100

77 139.4 61.2 183.6

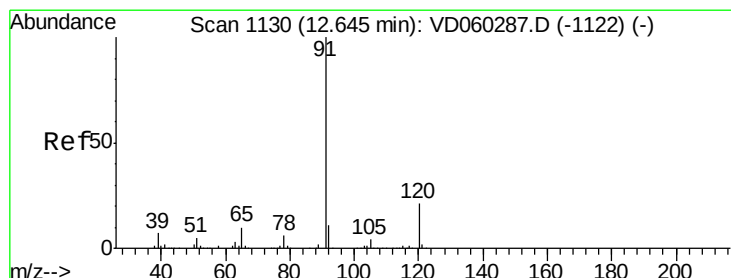
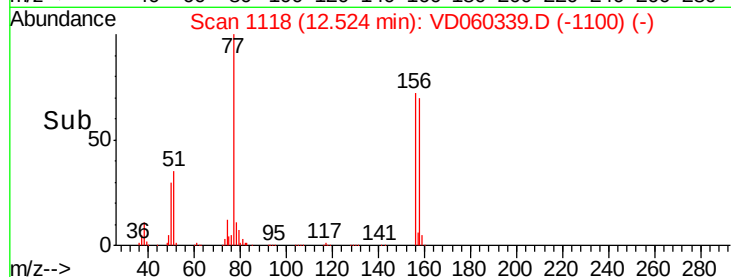
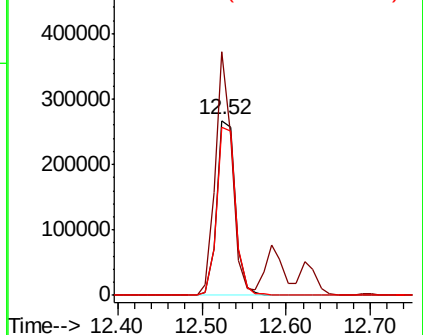
158 96.4 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 69.498 ug/l

RT: 12.62 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060339.D

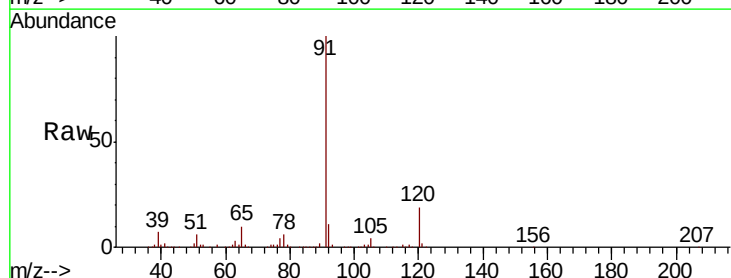
Acq: 12 Nov 2018 16:01

Tgt Ion: 91 Resp: 2027683

Ion Ratio Lower Upper

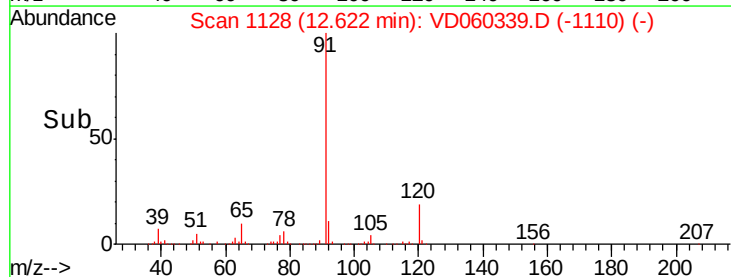
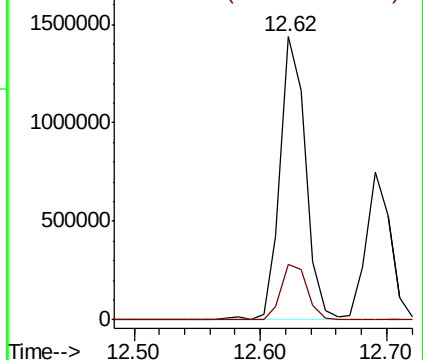
91 100

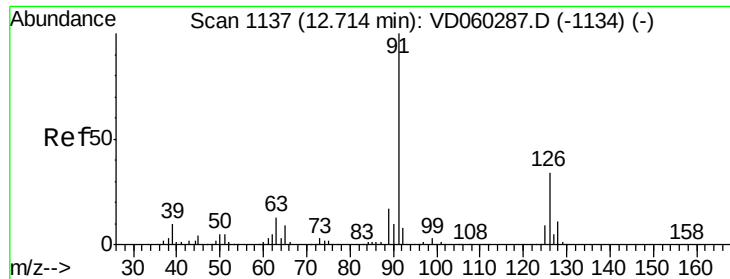
120 19.4 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 63.135 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

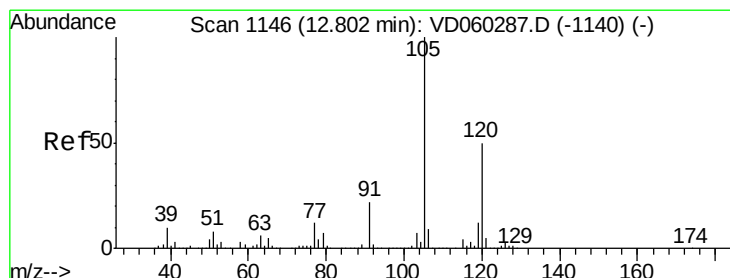
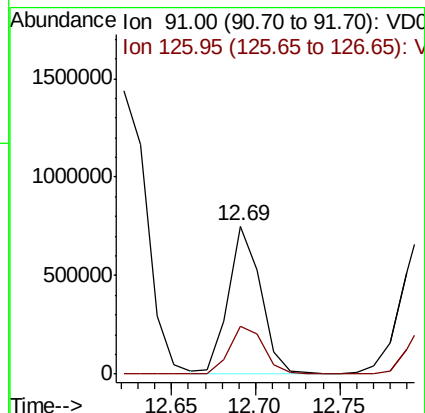
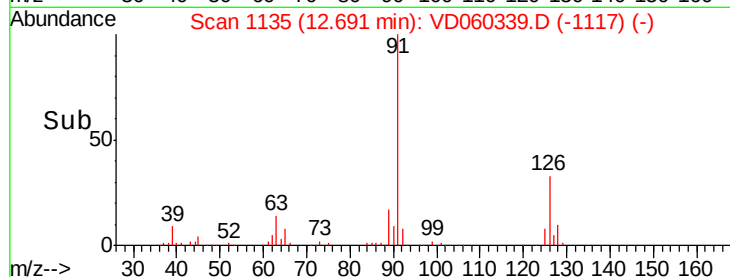
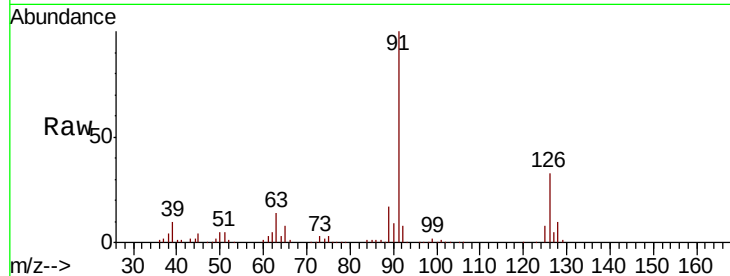
WALL-DMSD

Tot Ion: 91 Resp: 1008874

Ion Ratio Lower Upper

91 100

126 32.6 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 67.036 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VD060339.D

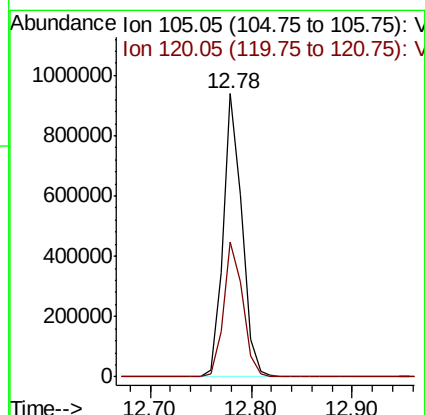
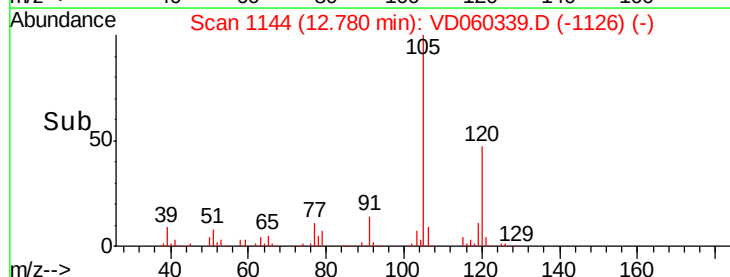
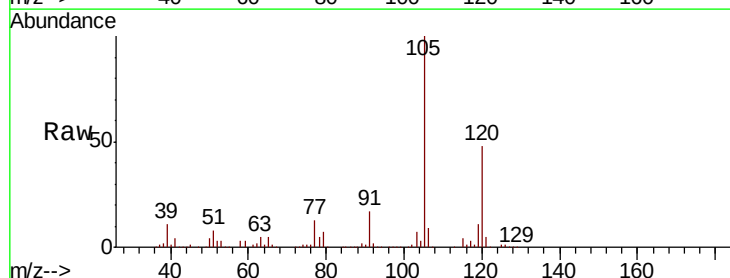
Acq: 12 Nov 2018 16:01

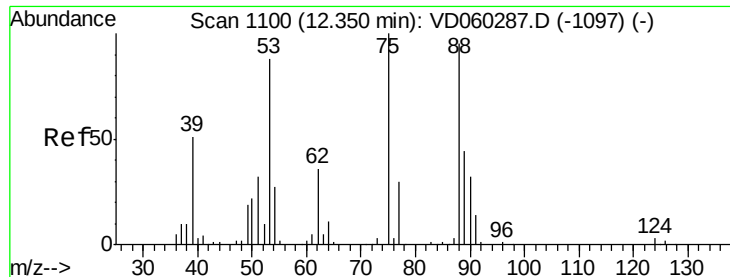
Tgt Ion:105 Resp: 1217770

Ion Ratio Lower Upper

105 100

120 47.6 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 93.882 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.02 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

WALL-DMSD

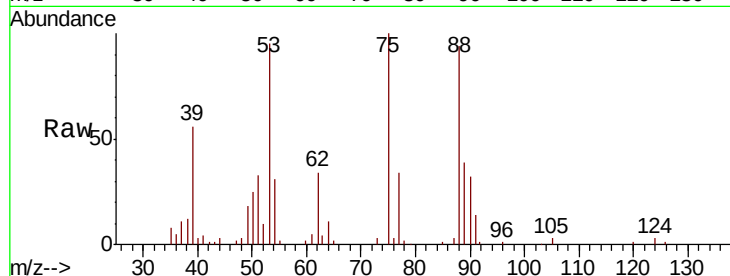
Tot Ion: 75 Resp: 102579

Ion Ratio Lower Upper

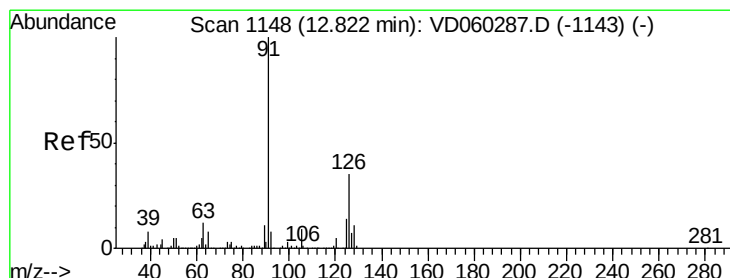
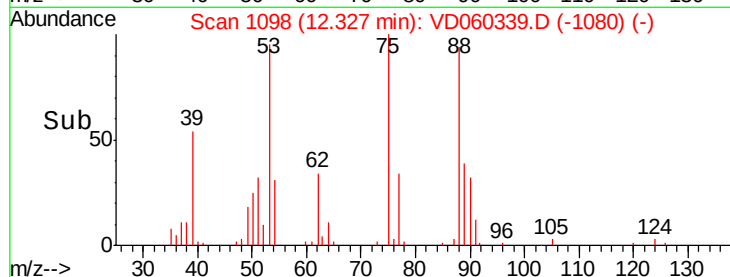
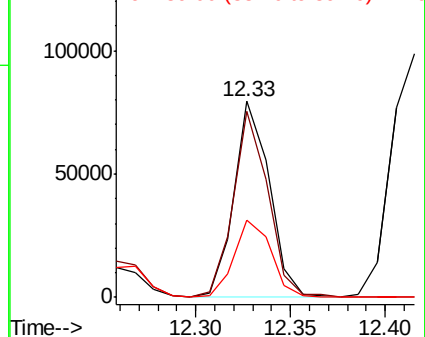
75 100

53 95.1 68.6 103.0

89 39.4 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 62.382 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.02 min

Lab File: VD060339.D

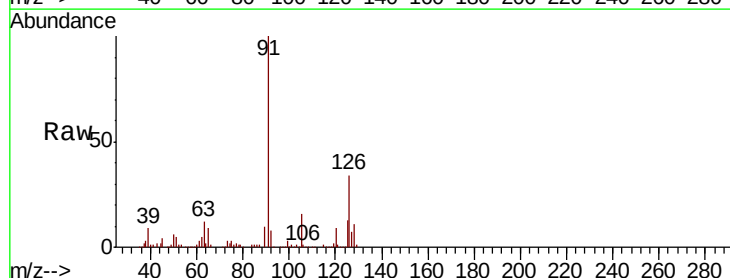
Acq: 12 Nov 2018 16:01

Tgt Ion: 91 Resp: 1119769

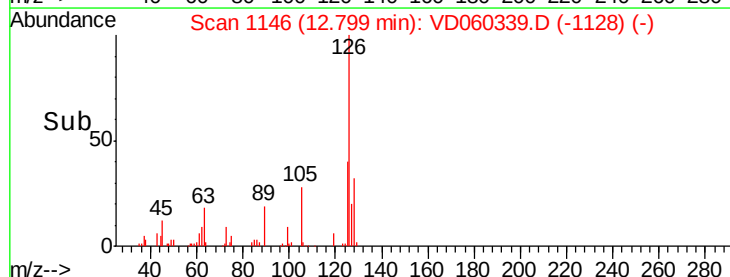
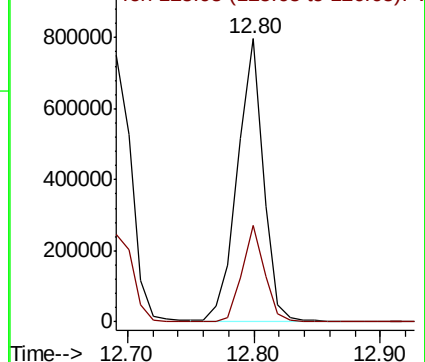
Ion Ratio Lower Upper

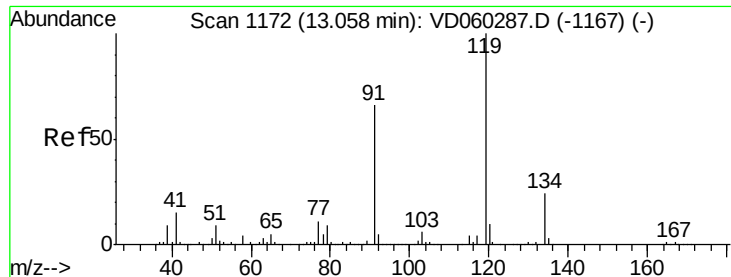
91 100

126 34.0 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

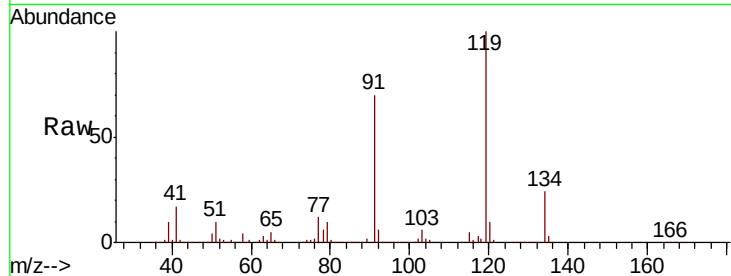




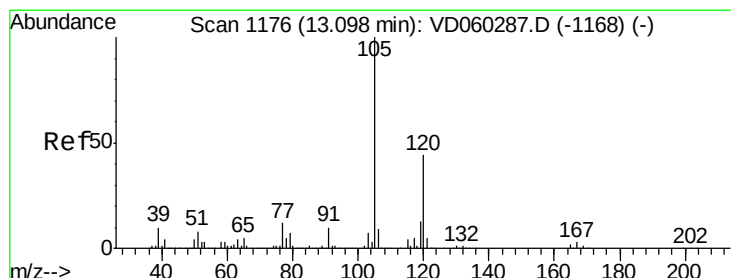
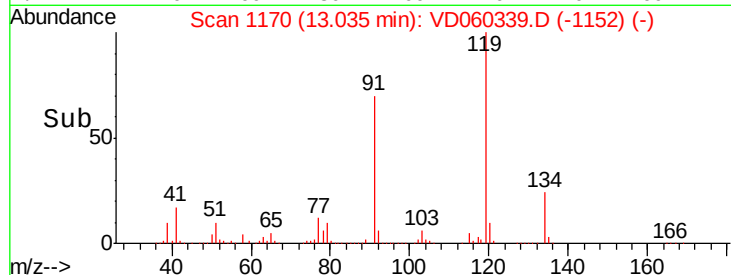
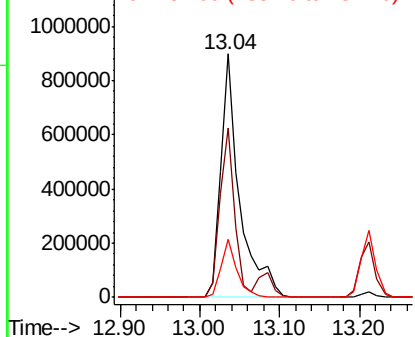
#83
 tert-Butylbenzene
 Concen: 74.193 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

Tot Ion:119 Resp: 1496329
 Ion Ratio Lower Upper
 119 100
 91 69.8 32.7 98.1
 134 23.9 12.1 36.3

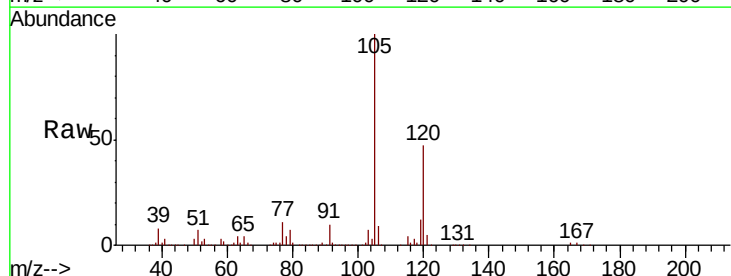


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

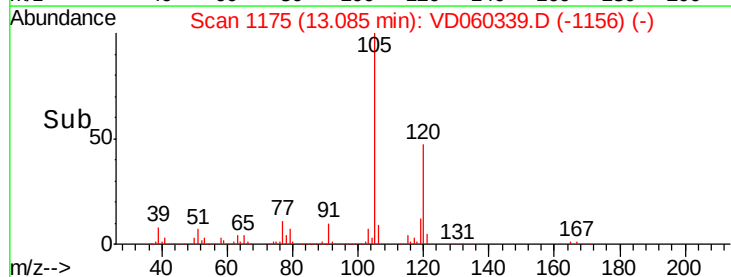
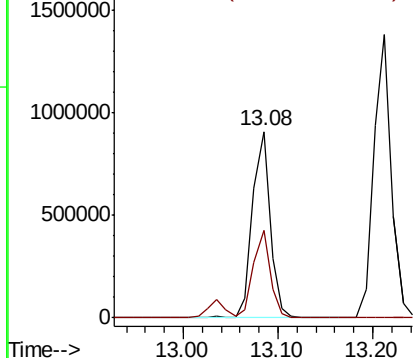


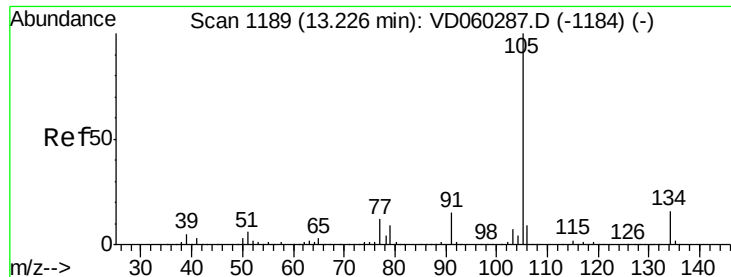
#84
 1,2,4-Trimethylbenzene
 Concen: 65.206 ug/l
 RT: 13.08 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

Tgt Ion:105 Resp: 1182976
 Ion Ratio Lower Upper
 105 100
 120 47.1 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: 72.644 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

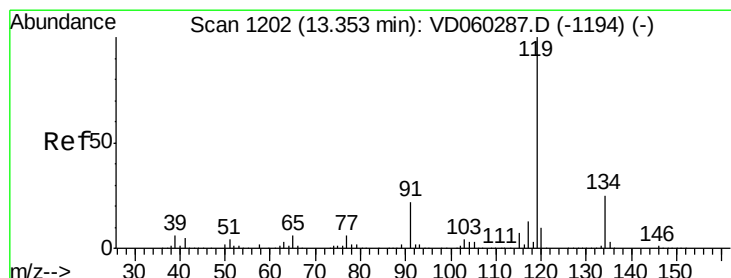
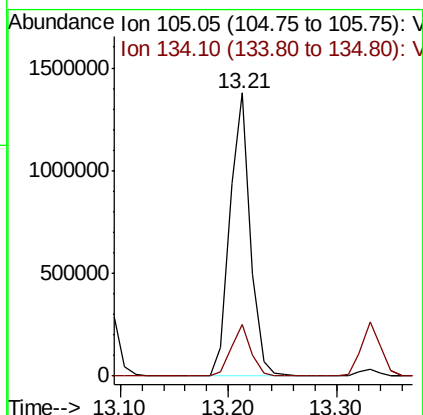
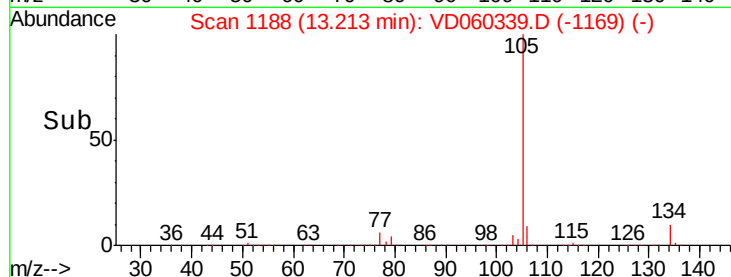
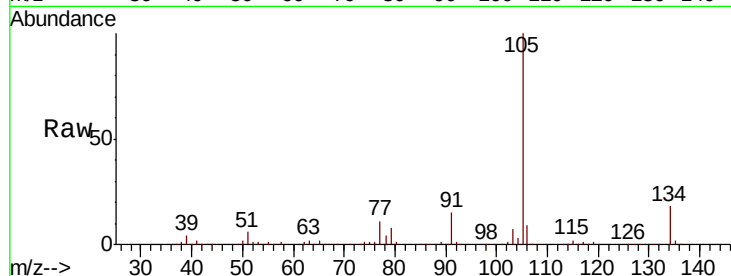
WALL-DMSD

Tot Ion:105 Resp: 1797478

Ion Ratio Lower Upper

105 100

134 18.1 8.0 24.0



#86

p-Isopropyltoluene

Concen: 65.952 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD060339.D

Acq: 12 Nov 2018 16:01

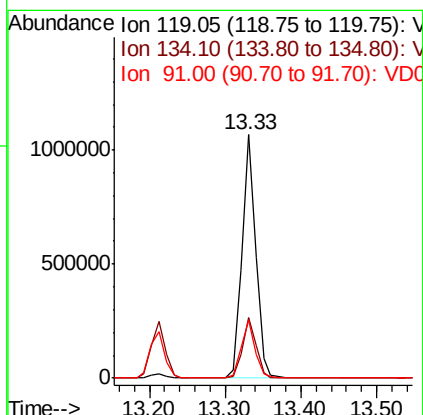
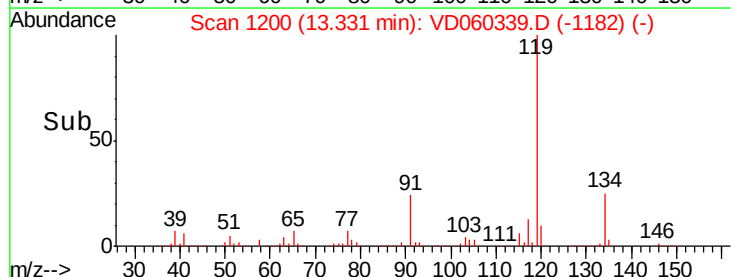
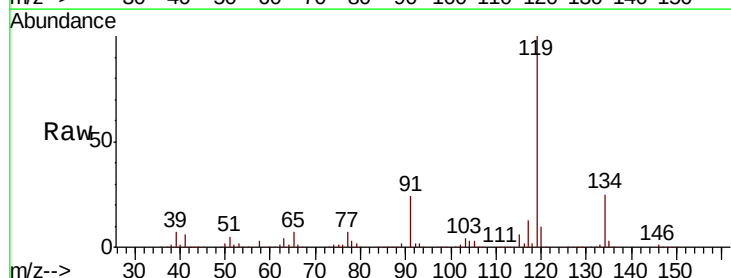
Tgt Ion:119 Resp: 1314178

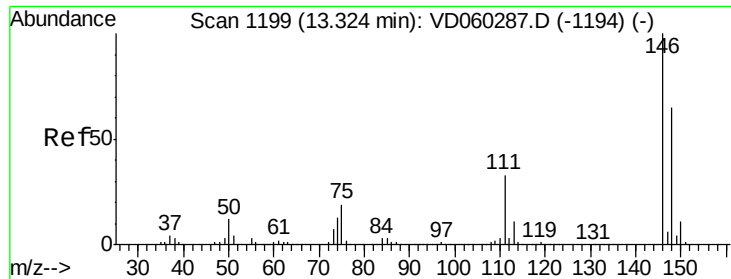
Ion Ratio Lower Upper

119 100

134 24.9 12.9 38.6

91 23.7 11.3 33.8

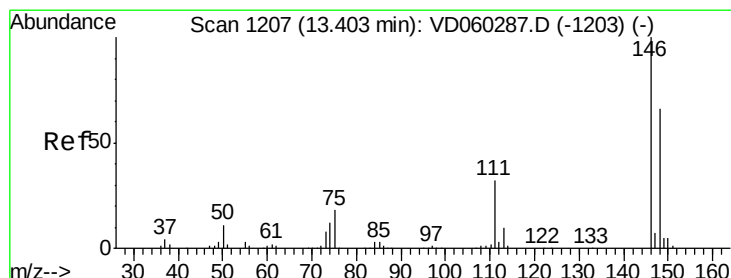
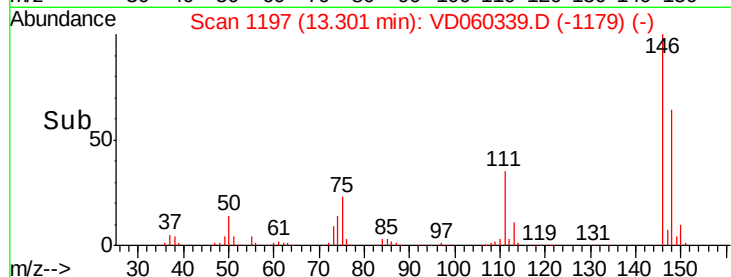
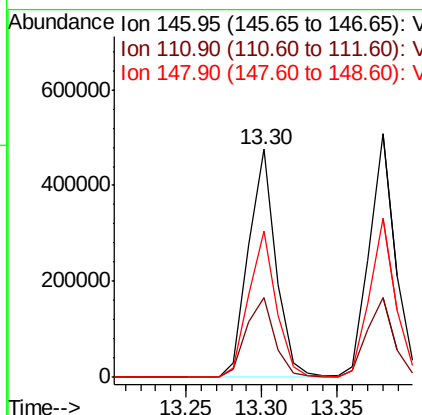
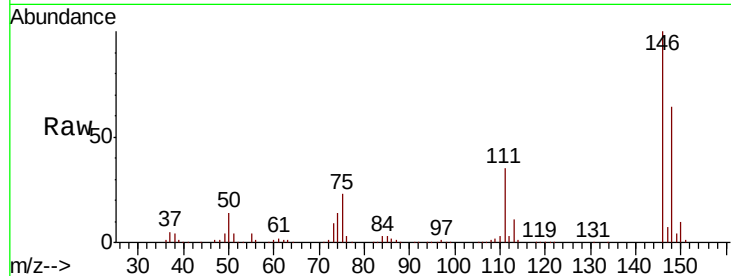




#87
 1,3-Dichlorobenzene
 Concen: 54.472 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

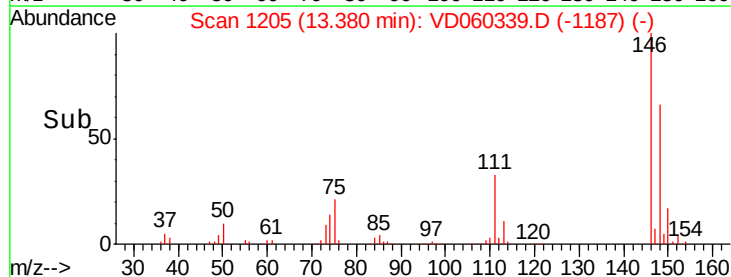
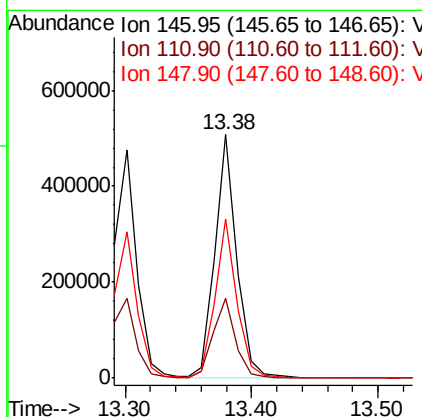
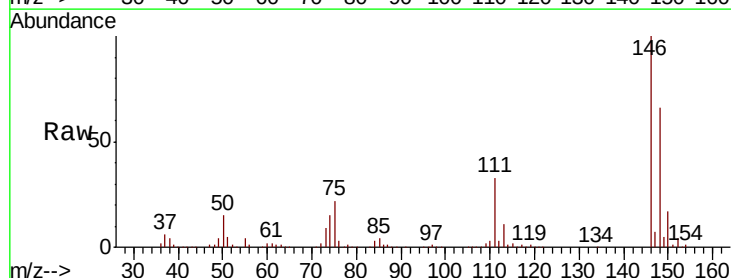
Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

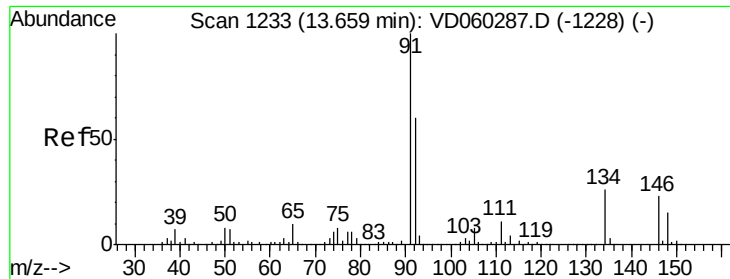
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.9	20.2	60.5
148	64.3	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 56.814 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.8	16.0	47.9
148	65.6	32.9	98.7

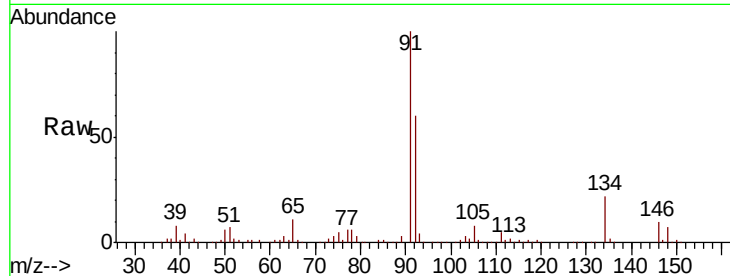




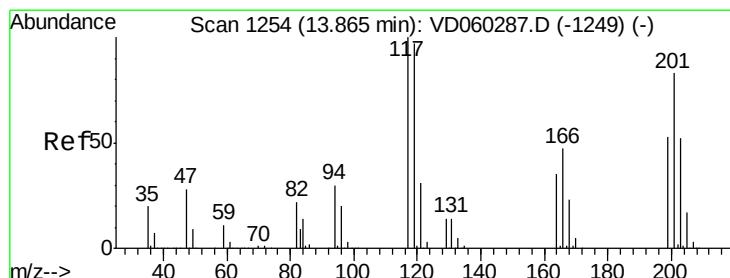
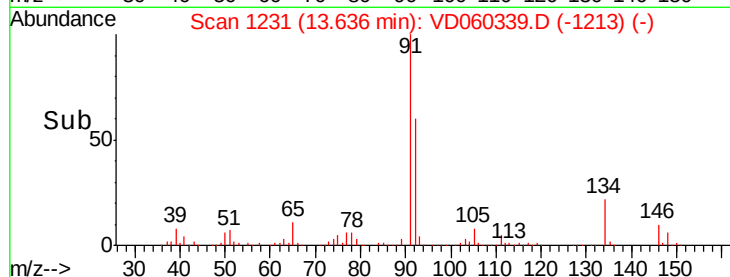
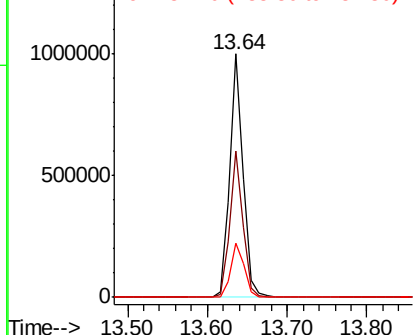
#89
n-Butylbenzene
Concen: 63.959 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

Tot Ion: 91 Resp: 1179482
Ion Ratio Lower Upper
91 100
92 60.1 30.3 90.9
134 22.2 13.0 38.9

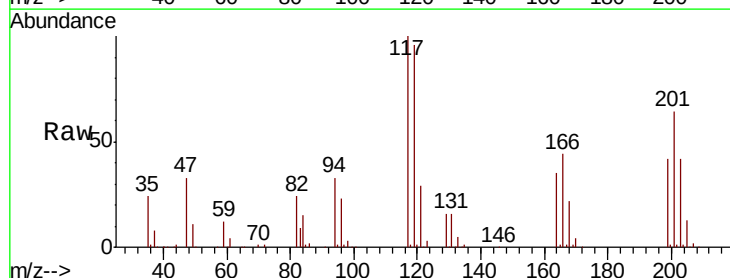


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

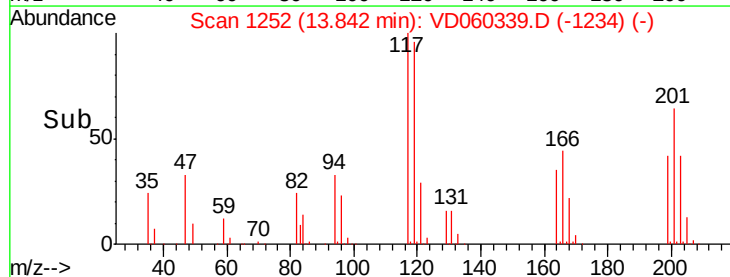
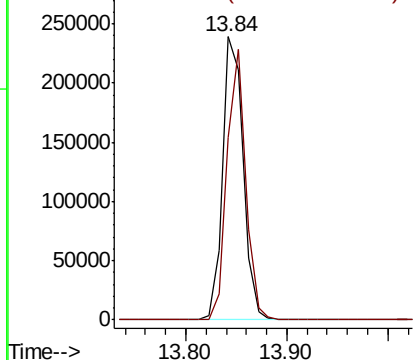


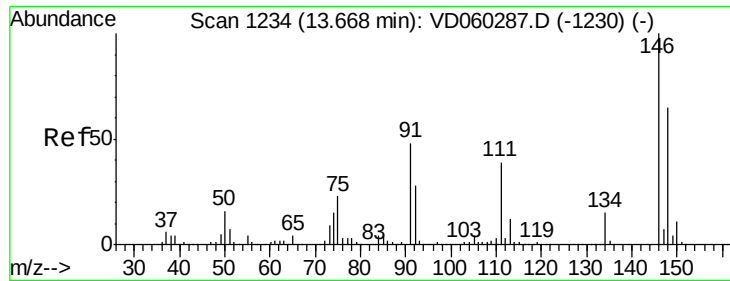
#90
Hexachloroethane
Concen: 71.929 ug/l
RT: 13.84 min Scan# 1252
Delta R.T. -0.02 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Tgt Ion: 117 Resp: 339860
Ion Ratio Lower Upper
117 100
201 64.3 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

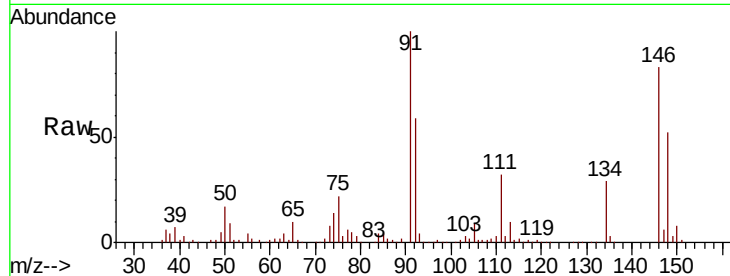




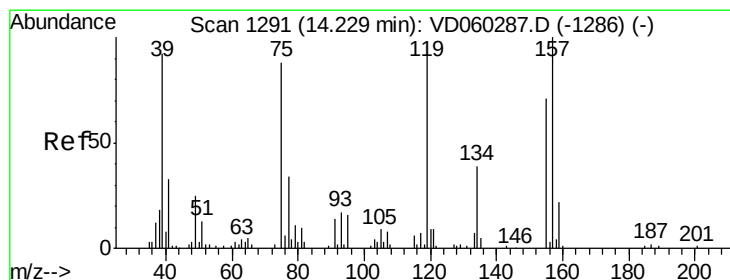
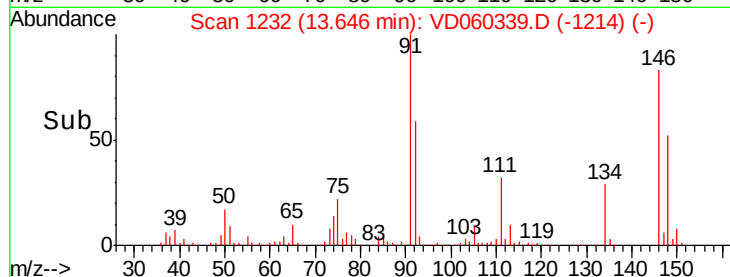
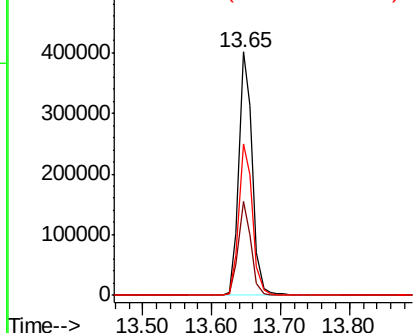
#91
 1,2-Dichlorobenzene
 Concen: 59.953 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

Tot Ion:146 Resp: 543986
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.9 56.9
 148 62.2 31.6 94.8

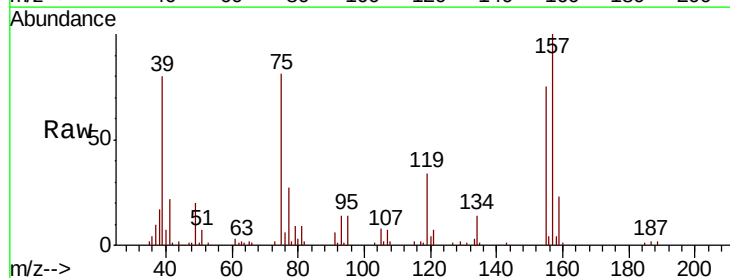


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

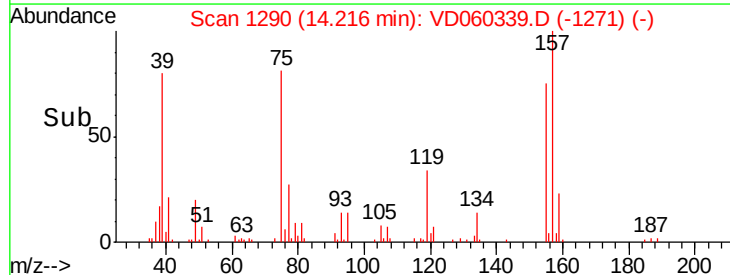
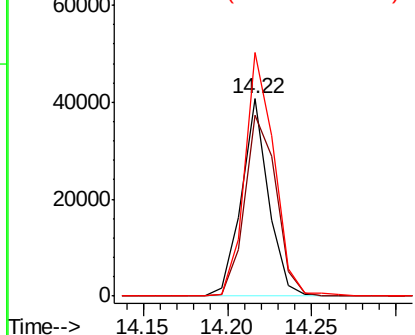


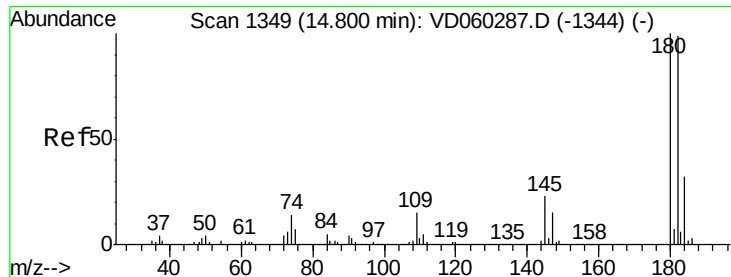
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.301 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

Tgt Ion: 75 Resp: 45362
 Ion Ratio Lower Upper
 75 100
 155 92.1 64.3 192.9
 157 123.6 81.0 243.1



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

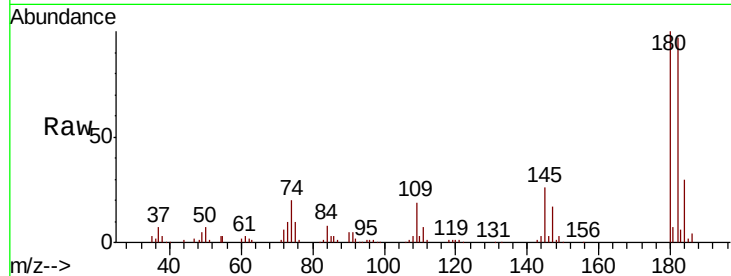




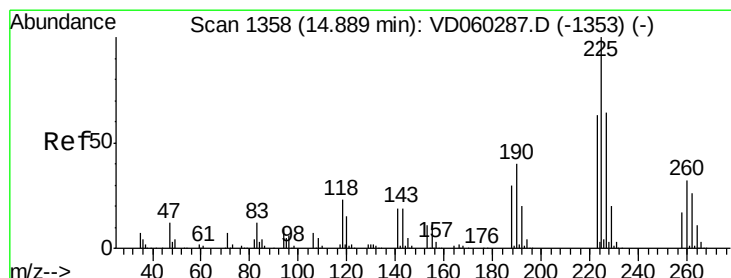
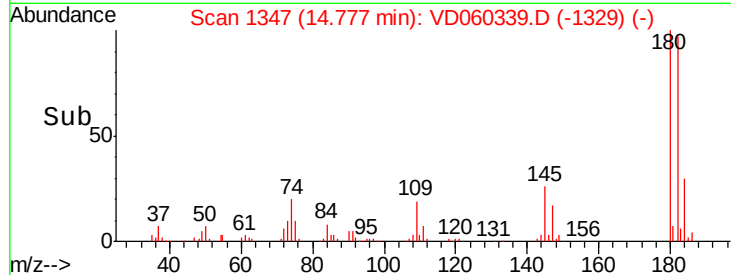
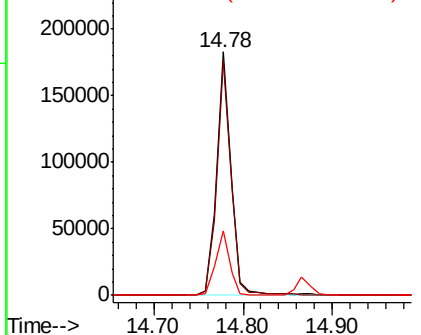
#93
 1,2,4-Trichlorobenzene
 Concen: 28.721 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.1	144.4
145	26.3	11.5	34.4

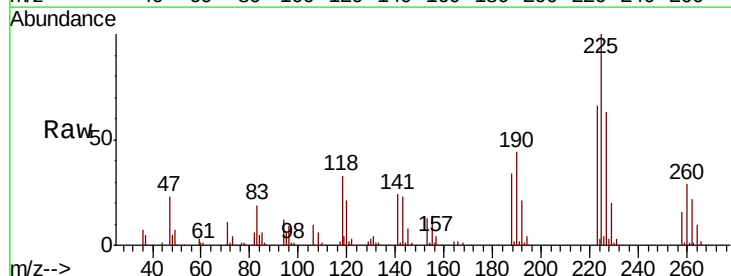


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

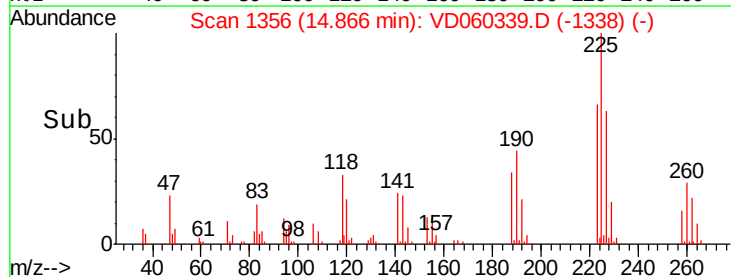
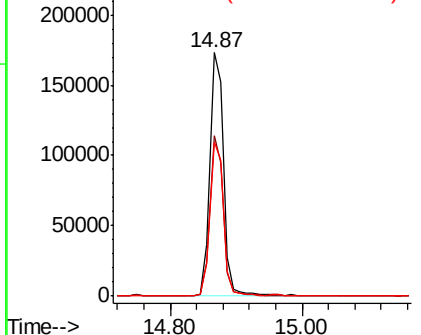


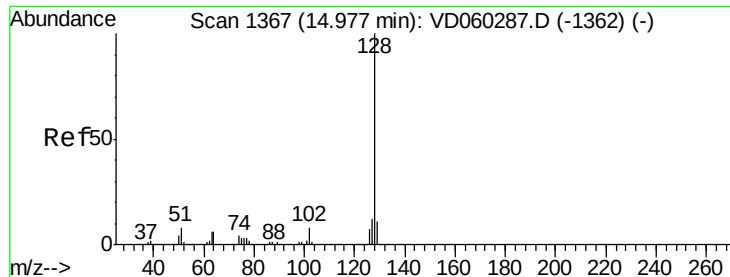
#94
 Hexachlorobutadiene
 Concen: 45.188 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.02 min
 Lab File: VD060339.D
 Acq: 12 Nov 2018 16:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	31.6	94.8
227	63.2	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

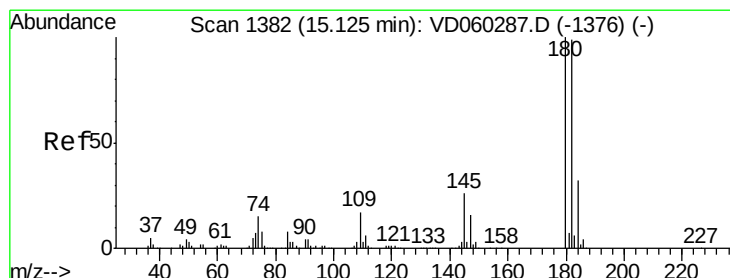
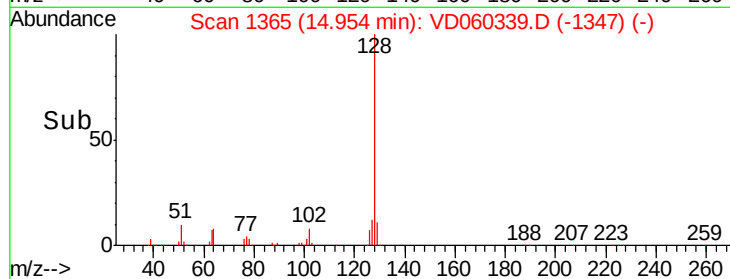
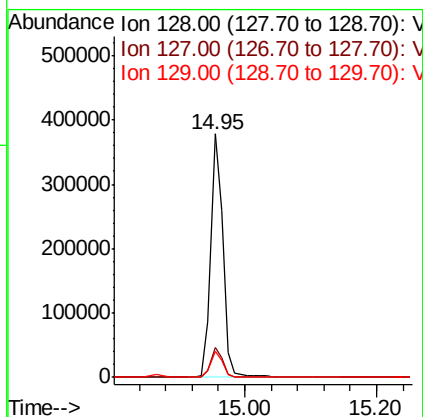
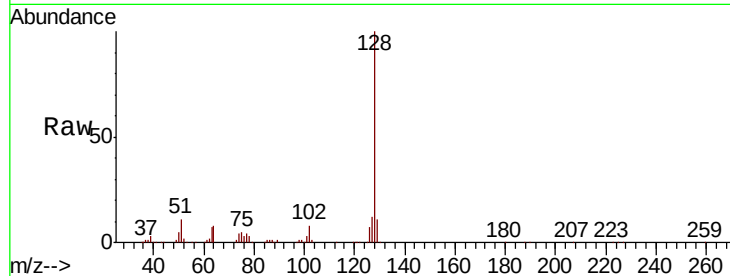




#95
Naphthalene
Concen: 53.599 ug/l
RT: 14.95 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Instrument :
MSVOA_D
ClientSampleId :
WALL-DMSD

Tot Ion:128 Resp: 470830
Ion Ratio Lower Upper
128 100
127 12.4 9.6 14.4
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 28.924 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.02 min
Lab File: VD060339.D
Acq: 12 Nov 2018 16:01

Tgt Ion:180 Resp: 166740
Ion Ratio Lower Upper
180 100
182 100.2 48.9 146.7
145 29.2 12.9 38.6

