

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072618\
 Data File : VD059615.D
 Acq On : 26 Jul 2018 20:37
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.03g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 27 04:59:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	120858	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.68	114	178692	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.68	117	129590	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	66240	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	81243	53.47	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.94%	
35) Dibromofluoromethane	5.52	113	74329	48.49	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	8.69	98	160761	46.23	ug/l	0.01
Spiked Amount	50.000		Recovery	=	92.46%	
62) 4-Bromofluorobenzene	11.92	95	71240	45.48	ug/l	0.01
Spiked Amount	50.000		Recovery	=	90.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.31	85	69405	52.376	ug/l	97
3) Chloromethane	1.46	50	33063	43.771	ug/l	95
4) Vinyl Chloride	1.53	62	40167	51.098	ug/l	99
5) Bromomethane	1.75	94	11895	78.875	ug/l	88
6) Chloroethane	1.84	64	21461	93.326	ug/l	96
7) Trichlorofluoromethane	2.05	101	82153	61.260	ug/l	95
8) Diethyl Ether	2.31	74	13227	52.045	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.52	101	42191	59.708	ug/l	95
10) Methyl Iodide	2.66	142	48621	52.914	ug/l	100
11) Tert butyl alcohol	3.23	59	14707	242.630	ug/l #	93
12) 1,1-Dichloroethene	2.51	96	31214	60.942	ug/l	94
13) Acrolein	2.44	56	7189	230.210	ug/l #	76
14) Allyl chloride	2.88	41	65967	53.117	ug/l	99
15) Acrylonitrile	3.32	53	37617	286.148	ug/l	96
16) Acetone	2.58	43	55937	243.780	ug/l	99
17) Carbon Disulfide	2.73	76	105867	52.038	ug/l	99
18) Methyl Acetate	2.90	43	24463	53.313	ug/l	96
19) Methyl tert-butyl Ether	3.37	73	93692	54.575	ug/l	95
20) Methylene Chloride	3.03	84	32565	49.773	ug/l	87
21) trans-1,2-Dichloroethene	3.35	96	32451	58.756	ug/l	96
22) Diisopropyl ether	4.04	45	162883	49.877	ug/l	97
23) Vinyl Acetate	3.99	43	505850	244.064	ug/l	98
24) 1,1-Dichloroethane	3.94	63	109625	53.175	ug/l	98
25) 2-Butanone	4.80	43	81034	231.583	ug/l	98
26) 2,2-Dichloropropane	4.76	77	112142	53.114	ug/l	99
27) cis-1,2-Dichloroethene	4.76	96	60365	54.718	ug/l	99
28) Bromochloromethane	5.11	49	46459	56.954	ug/l	99
29) Tetrahydrofuran	5.16	42	38704	238.885	ug/l	99
30) Chloroform	5.29	83	137049	55.581	ug/l	97
31) Cyclohexane	5.56	56	70997	54.128	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	131713	55.175	ug/l	96
36) 1,1-Dichloropropene	5.72	75	88928	49.595	ug/l	95
37) Ethyl Acetate	4.89	43	41396	44.879	ug/l	96
38) Carbon Tetrachloride	5.70	117	120492	49.073	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	78925	47.865	ug/l	96
40) Benzene	5.98	78	169788	46.174	ug/l	97
41) Methacrylonitrile	5.10	41	20922	45.453	ug/l	96
42) 1,2-Dichloroethane	6.10	62	106501	48.072	ug/l	99
43) Isopropyl Acetate	7.60	43	54643	42.722	ug/l	98
44) Trichloroethene	6.96	130	65236	48.913	ug/l	99
45) 1,2-Dichloropropane	7.33	63	45375	44.064	ug/l	95
46) Dibromomethane	7.44	93	41680	47.886	ug/l	97
47) Bromodichloromethane	7.72	83	102893	49.495	ug/l	98
48) Methyl methacrylate	7.48	41	38408	45.280	ug/l	95
49) 1,4-Dioxane	7.47	88	7040	889.759	ug/l #	80
51) 4-Methyl-2-Pentanone	8.58	43	186922	218.851	ug/l	98
52) Toluene	8.79	92	111353	45.670	ug/l	90
53) t-1,3-Dichloropropene	9.17	75	84284	44.951	ug/l	100
54) cis-1,3-Dichloropropene	8.34	75	89125	47.866	ug/l	98
55) 1,1,2-Trichloroethane	9.44	97	42693	46.607	ug/l	98
56) Ethyl methacrylate	9.30	69	49682	47.804	ug/l	98
57) 1,3-Dichloropropane	9.65	76	67737	46.538	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.17	63	103054	211.030	ug/l	96
59) 2-Hexanone	9.77	43	140913	207.710	ug/l	97
60) Dibromochloromethane	9.94	129	73089	48.062	ug/l	100
61) 1,2-Dibromoethane	10.08	107	49465	45.568	ug/l	92
64) Tetrachloroethene	9.49	164	62465	53.191	ug/l	98
65) Chlorobenzene	10.70	112	132634	49.928	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.83	131	62291	53.906	ug/l	98
67) Ethyl Benzene	10.84	91	246893	54.065	ug/l	97
68) m/p-Xylenes	11.00	106	152908	100.259	ug/l	92
69) o-Xylene	11.39	106	75867	51.265	ug/l	90
70) Styrene	11.42	104	125765	51.254	ug/l	99
71) Bromoform	11.59	173	47743	50.740	ug/l	99
73) Isopropylbenzene	11.77	105	224251	47.922	ug/l	99
74) N-amyl acetate	11.64	43	72679	45.330	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.06	83	47651	49.876	ug/l	96
76) 1,2,3-Trichloropropane	12.10	75	51965	47.439	ug/l	97
77) Bromobenzene	12.03	156	69593	50.803	ug/l	89
78) n-propylbenzene	12.15	91	281725	49.549	ug/l	99
79) 2-Chlorotoluene	12.21	91	176665	52.116	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	187082	50.636	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	12660	45.204	ug/l	85
82) 4-Chlorotoluene	12.32	91	196455	51.247	ug/l	93
83) tert-Butylbenzene	12.56	119	202875	48.775	ug/l	92
84) 1,2,4-Trimethylbenzene	12.62	105	191829	48.844	ug/l	99
85) sec-Butylbenzene	12.75	105	234115	49.256	ug/l	97
86) p-Isopropyltoluene	12.88	119	200242	49.989	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	107929	46.585	ug/l	93
88) 1,4-Dichlorobenzene	12.92	146	110702	49.596	ug/l	97
89) n-Butylbenzene	13.19	91	190890	49.359	ug/l	98
90) Hexachloroethane	13.39	117	56033	52.348	ug/l	86
91) 1,2-Dichlorobenzene	13.18	146	91151	46.890	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.76	75	11102	57.640	ug/l	66

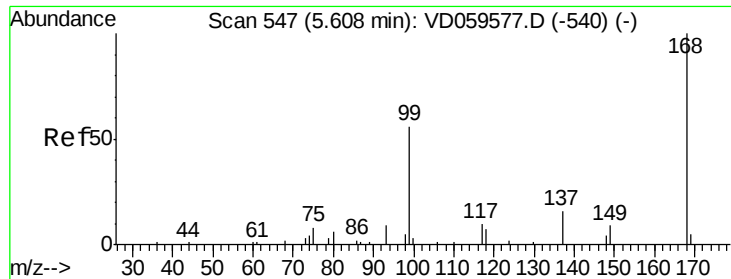
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD072618\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	83538	51.893	ug/l	95
94) Hexachlorobutadiene	14.43	225	70877	55.816	ug/l	98
95) Naphthalene	14.51	128	113613	49.625	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	76063	52.217	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

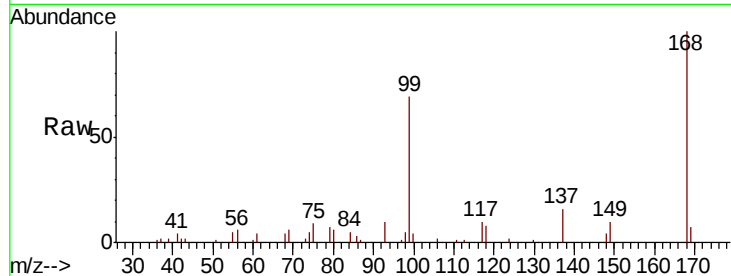
VSTDCCC050EC

Tgt Ion:168 Resp: 120858

Ion Ratio Lower Upper

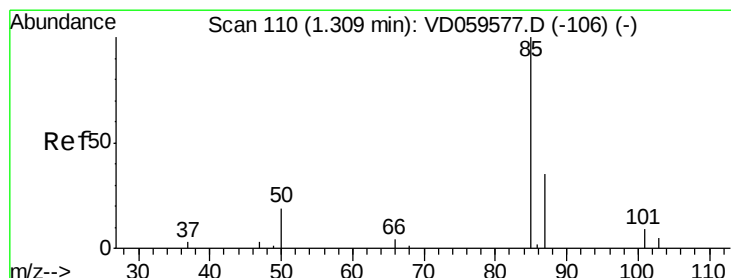
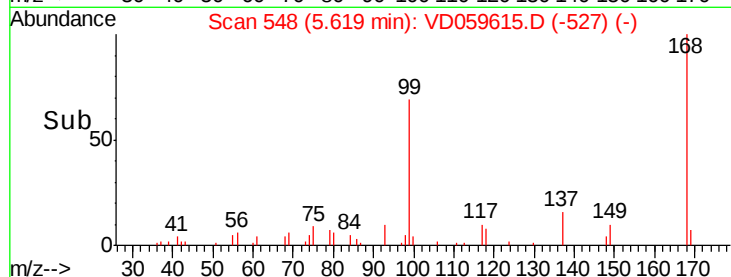
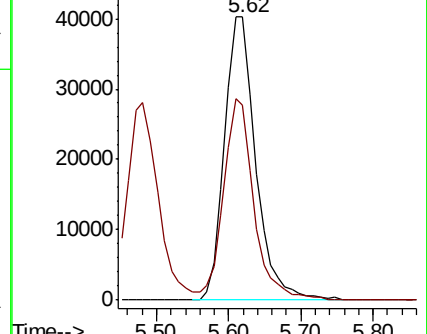
168 100

99 68.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 52.376 ug/l

RT: 1.31 min Scan# 110

Delta R.T. 0.00 min

Lab File: VD059615.D

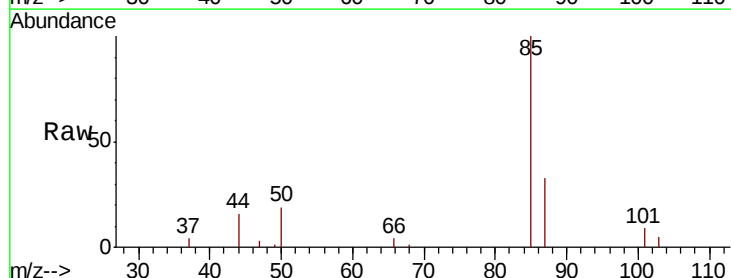
Acq: 26 Jul 2018 20:37

Tgt Ion: 85 Resp: 69405

Ion Ratio Lower Upper

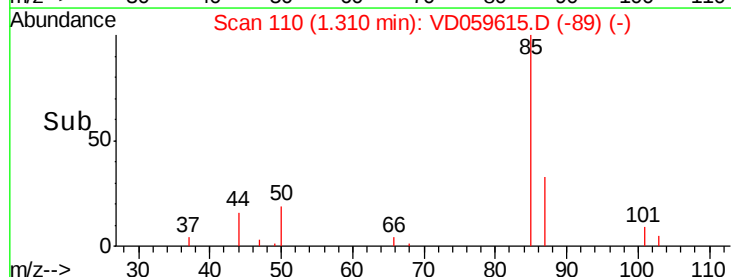
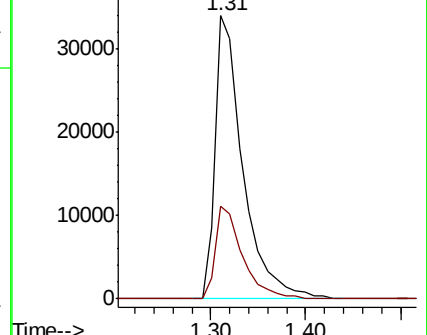
85 100

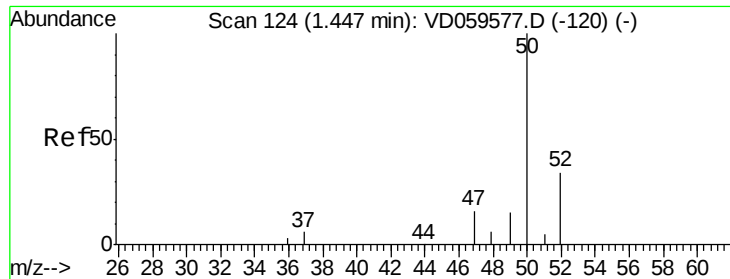
87 32.8 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

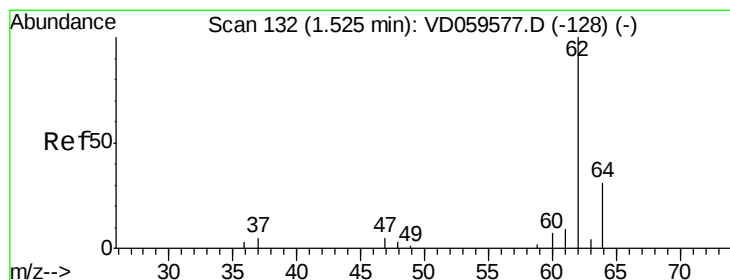
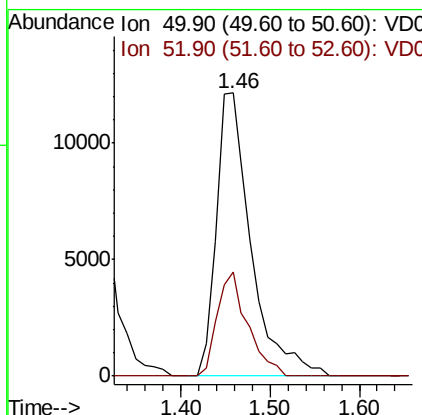
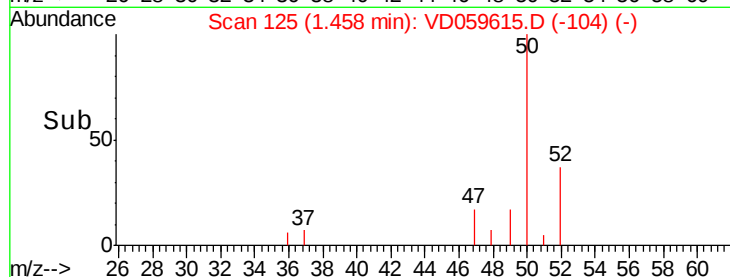
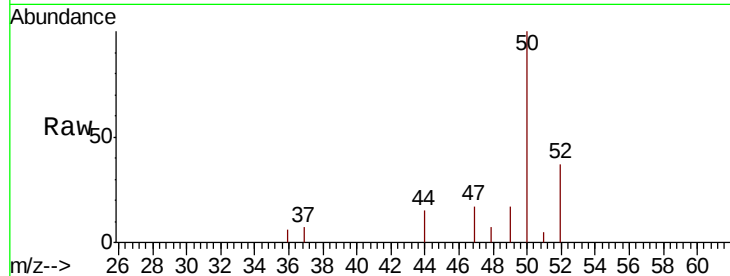




#3
Chloromethane
Concen: 43.771 ug/l
RT: 1.46 min Scan# 125
Delta R.T. 0.01 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

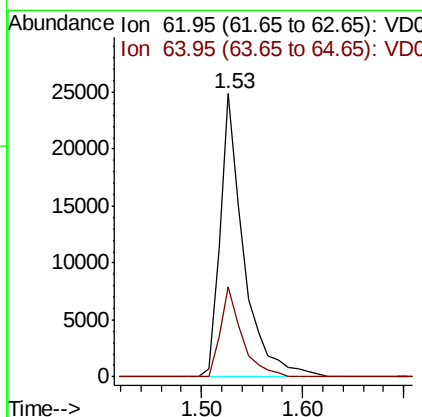
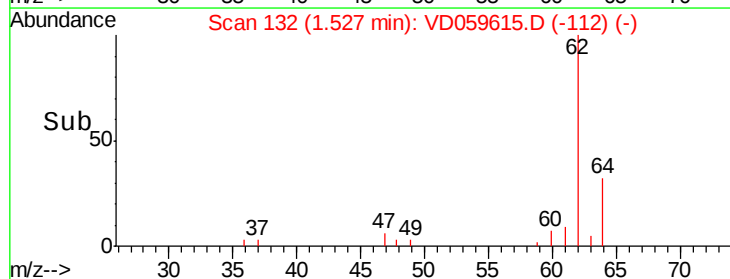
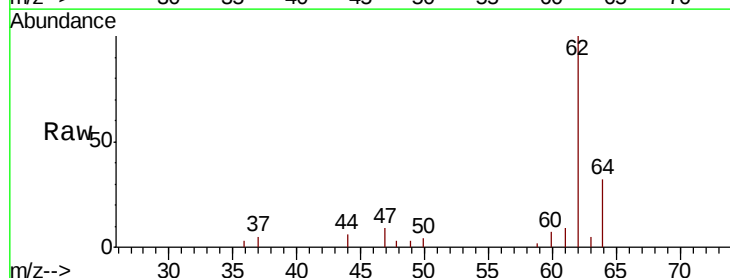
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

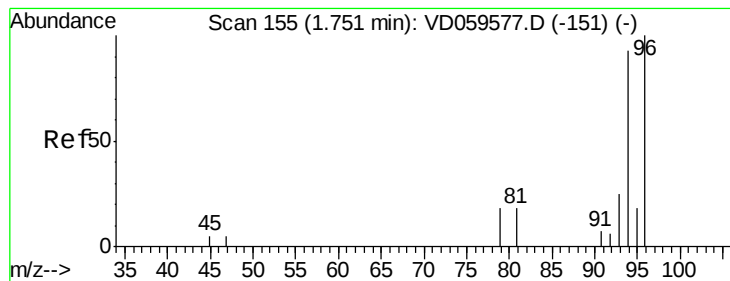
Tgt Ion: 50 Resp: 33063
Ion Ratio Lower Upper
50 100
52 36.9 27.3 40.9



#4
Vinyl Chloride
Concen: 51.098 ug/l
RT: 1.53 min Scan# 132
Delta R.T. 0.00 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Tgt Ion: 62 Resp: 40167
Ion Ratio Lower Upper
62 100
64 31.6 25.0 37.4





#5

Bromomethane

Concen: 78.875 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

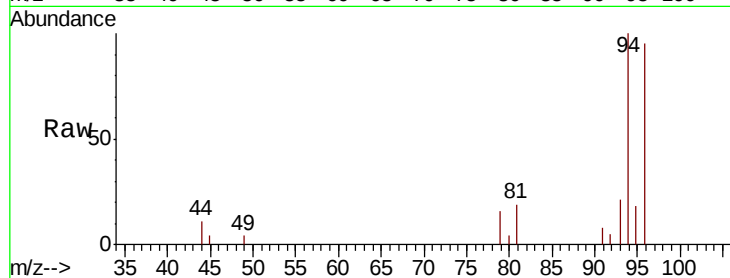
VSTDCCC050EC

Tgt Ion: 94 Resp: 11895

Ion Ratio Lower Upper

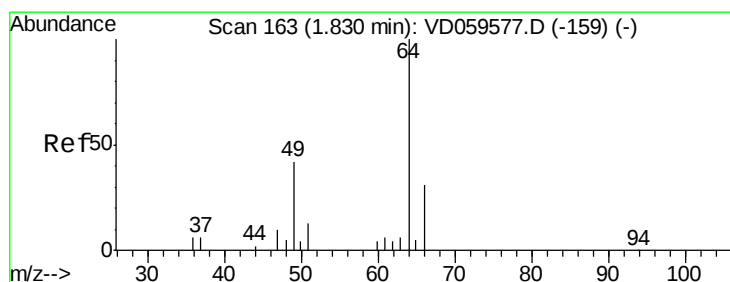
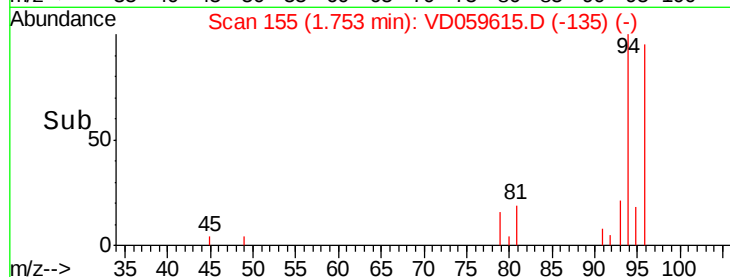
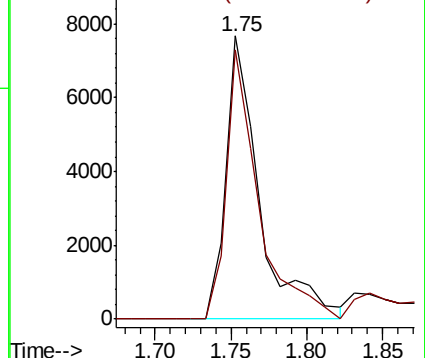
94 100

96 95.3 86.2 129.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 93.326 ug/l

RT: 1.84 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD059615.D

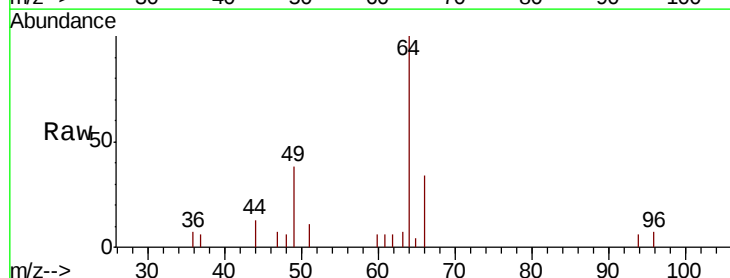
Acq: 26 Jul 2018 20:37

Tgt Ion: 64 Resp: 21461

Ion Ratio Lower Upper

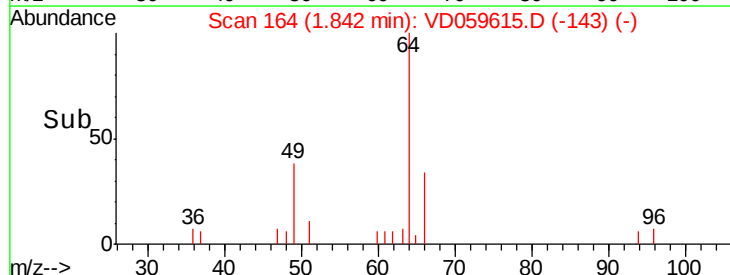
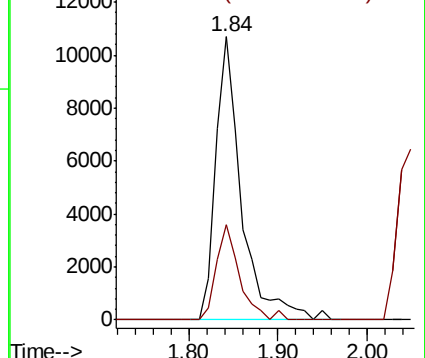
64 100

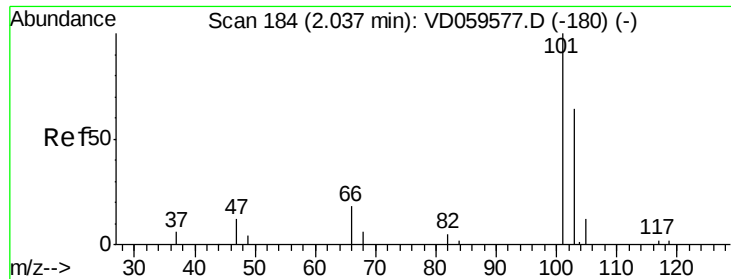
66 33.6 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



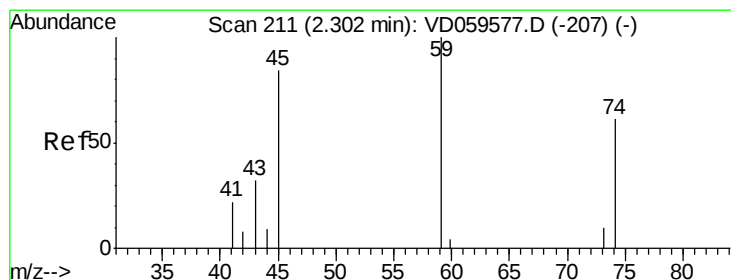
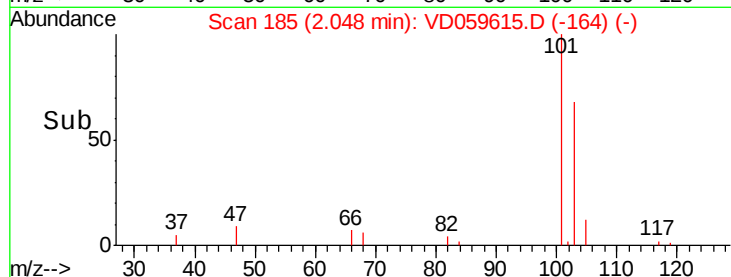
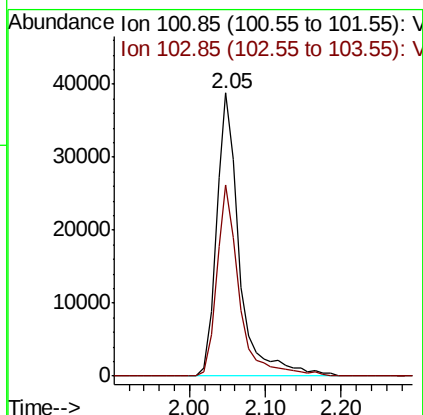
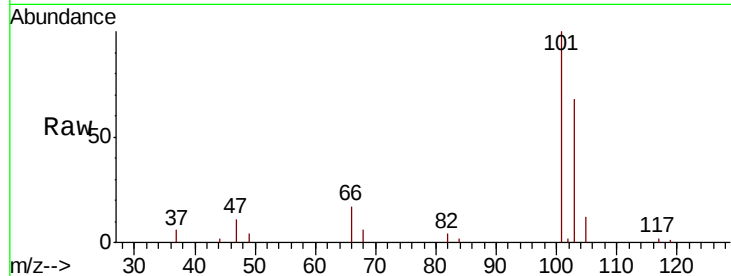


#7

Trichlorofluoromethane
 Concen: 61.260 ug/l
 RT: 2.05 min Scan# 185
 Delta R.T. 0.01 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

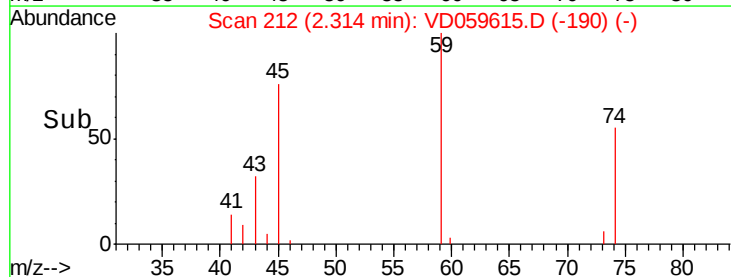
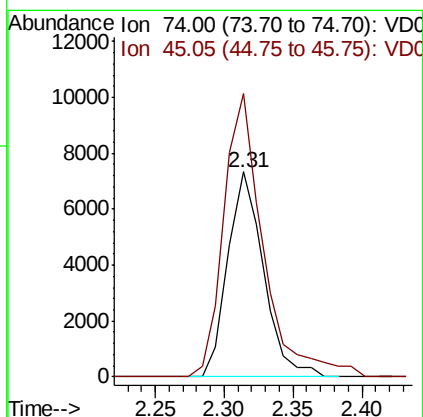
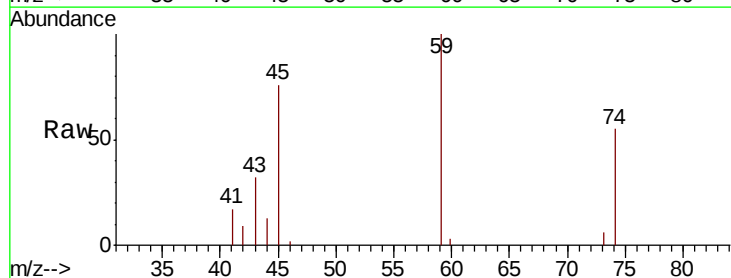
Tgt Ion: 101 Resp: 82153
 Ion Ratio Lower Upper
 101 100
 103 67.6 50.9 76.3

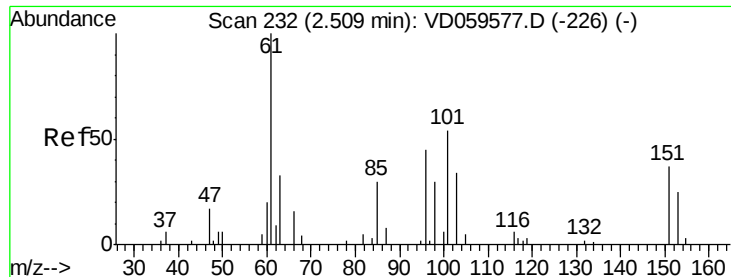


#8

Diethyl Ether
 Concen: 52.045 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Tgt Ion: 74 Resp: 13227
 Ion Ratio Lower Upper
 74 100
 45 137.9 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.708 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

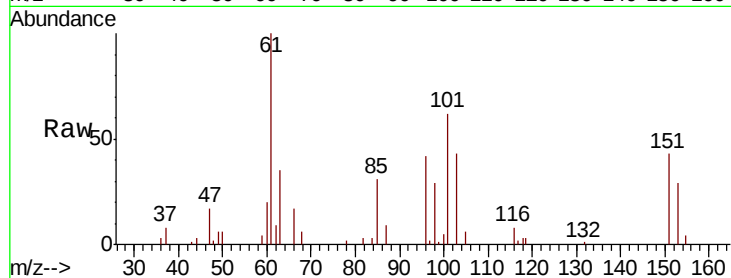
Tgt Ion:101 Resp: 42191

Ion Ratio Lower Upper

101 100

85 49.2 44.5 66.7

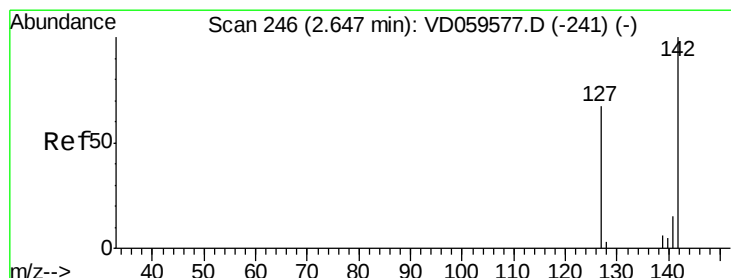
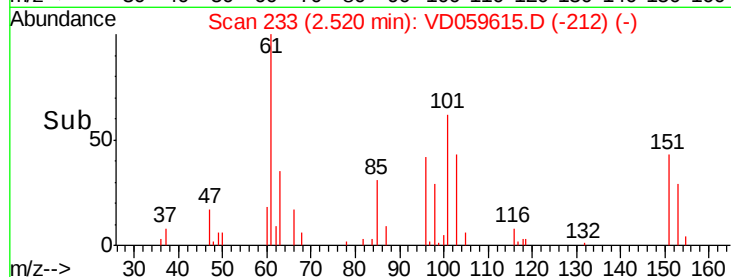
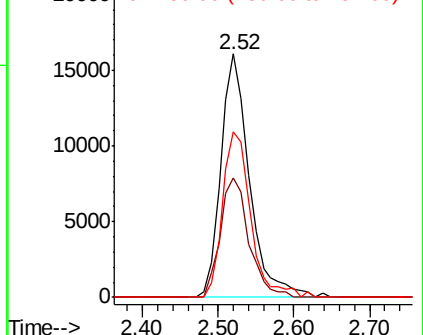
151 68.1 55.4 83.0



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: 52.914 ug/l

RT: 2.66 min Scan# 247

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

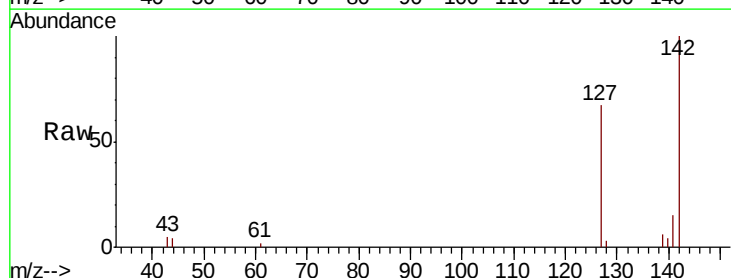
Tgt Ion:142 Resp: 48621

Ion Ratio Lower Upper

142 100

127 67.0 53.6 80.4

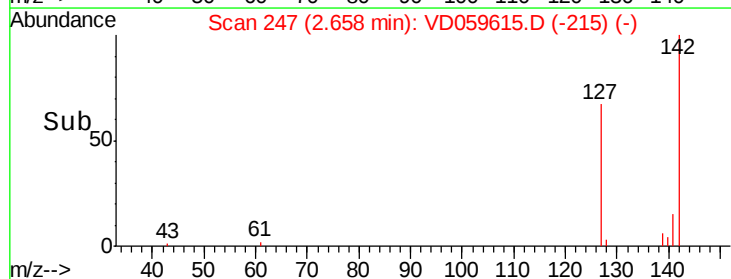
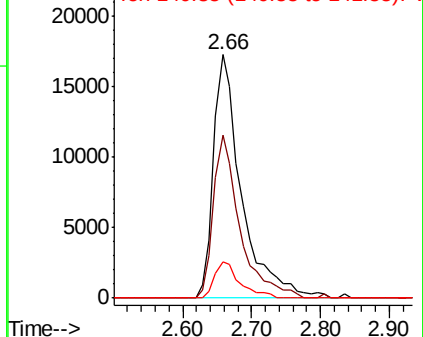
141 14.8 12.2 18.2

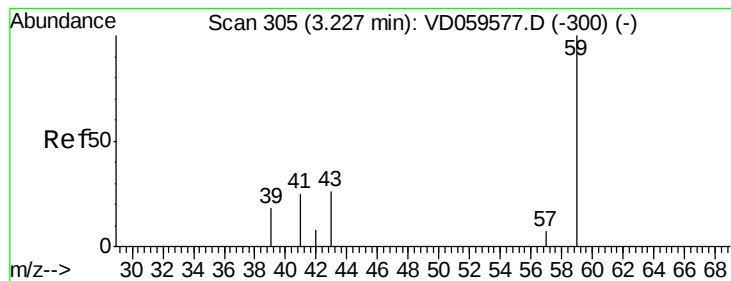


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



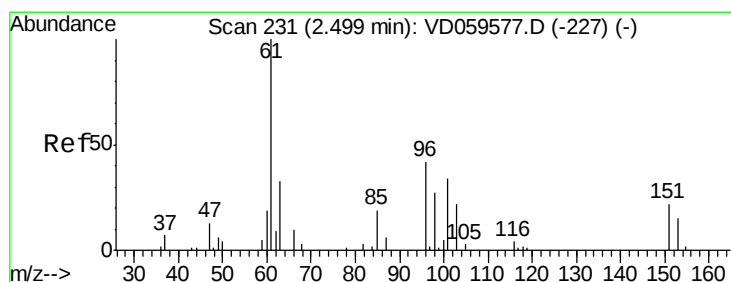
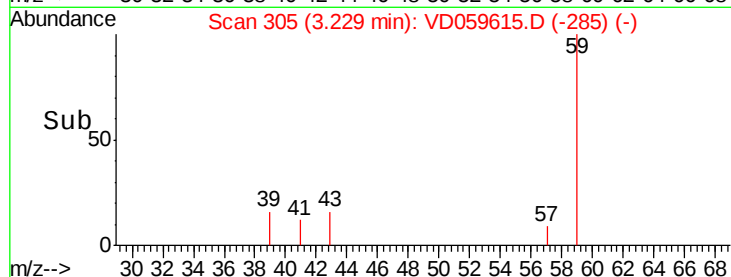
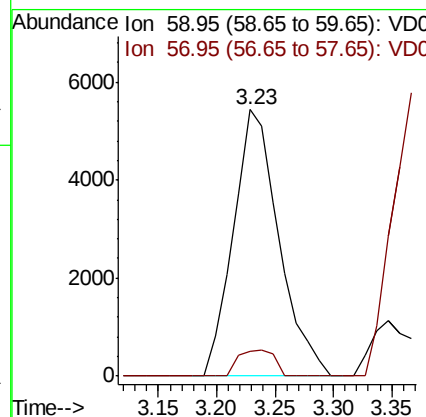
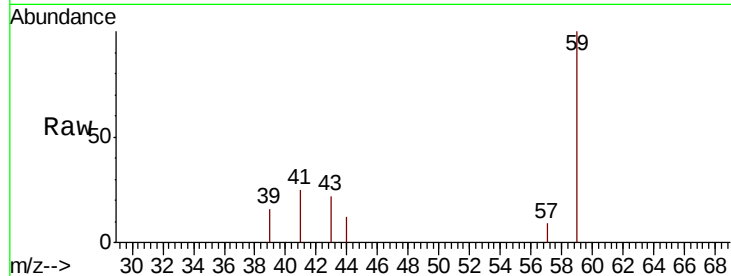


#11

Tert butyl alcohol
 Concen: 242.630 ug/l
 RT: 3.23 min Scan# 305
 Delta R.T. 0.00 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

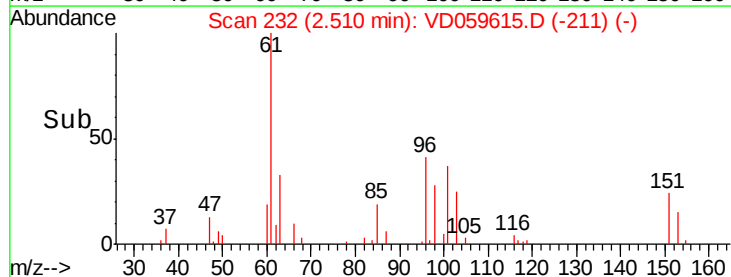
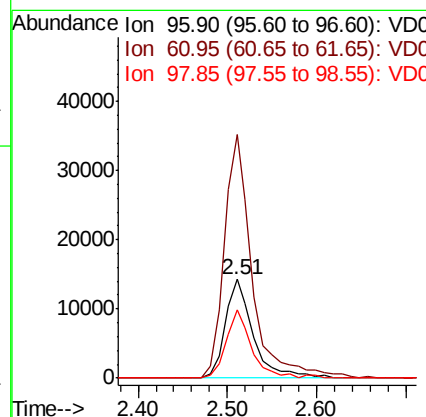
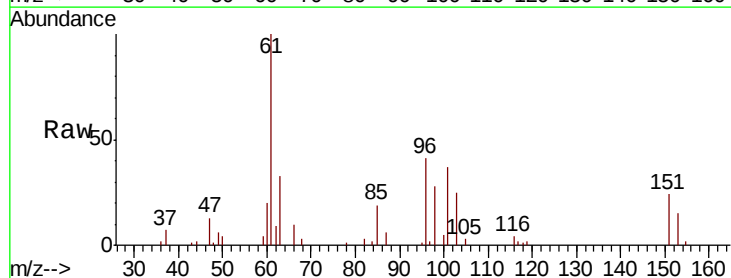
Tgt Ion: 59 Resp: 14707
 Ion Ratio Lower Upper
 59 100
 57 9.3 5.5 8.3#

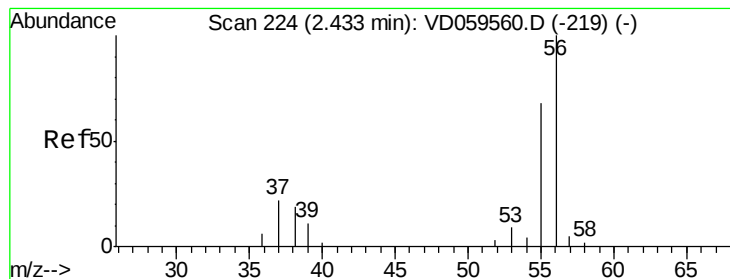


#12

1,1-Dichloroethene
 Concen: 60.942 ug/l
 RT: 2.51 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Tgt Ion: 96 Resp: 31214
 Ion Ratio Lower Upper
 96 100
 61 246.2 188.8 283.2
 98 69.2 51.4 77.2





#13

Acrolein

Concen: 230.210 ug/l

RT: 2.44 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

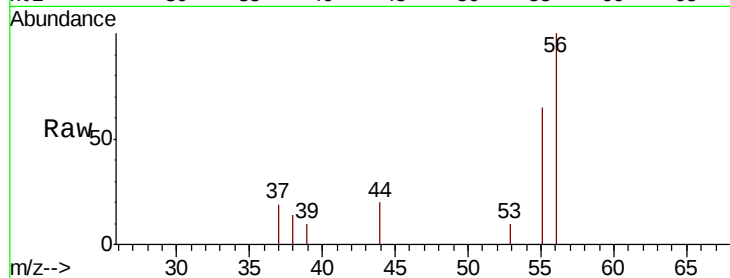
VSTDCCC050EC

Tgt Ion: 56 Resp: 7189

Ion Ratio Lower Upper

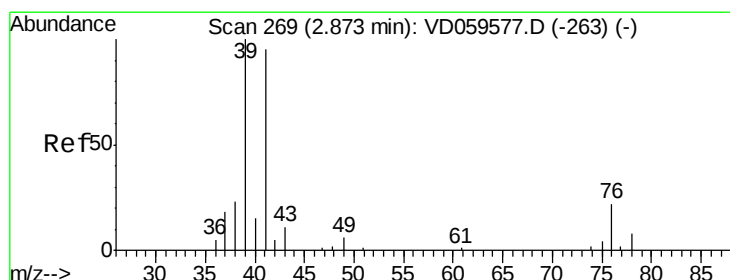
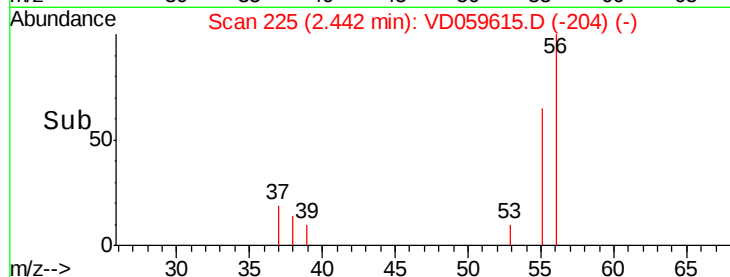
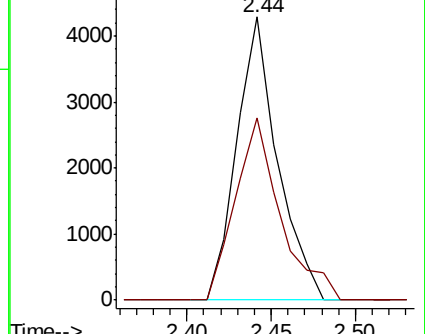
56 100

55 64.6 69.1 103.7#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.117 ug/l

RT: 2.88 min Scan# 270

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

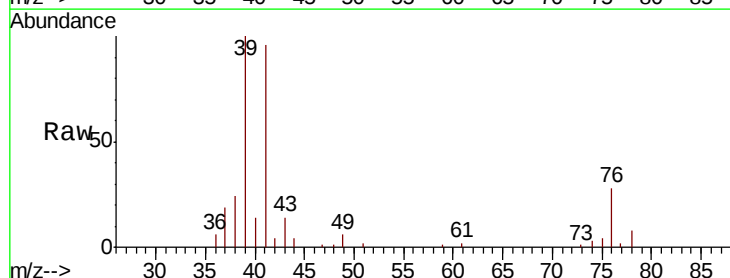
Tgt Ion: 41 Resp: 65967

Ion Ratio Lower Upper

41 100

39 104.0 83.8 125.8

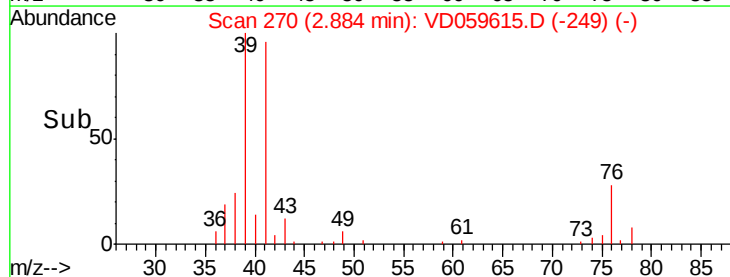
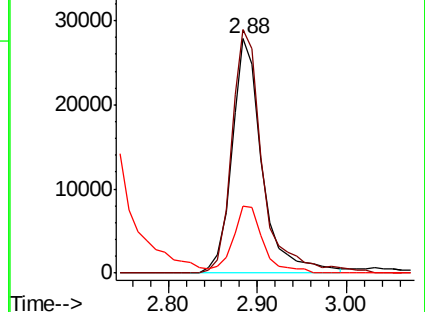
76 28.8 22.2 33.4

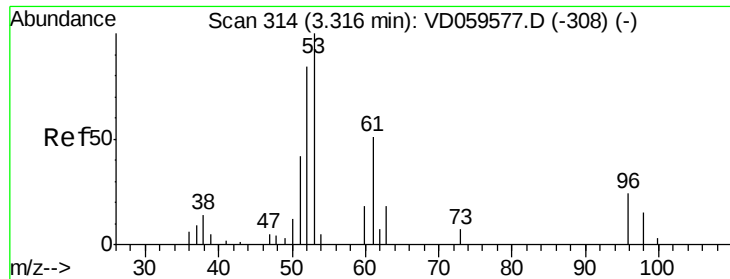


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 286.148 ug/l

RT: 3.32 min Scan# 314

Delta R.T. 0.00 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

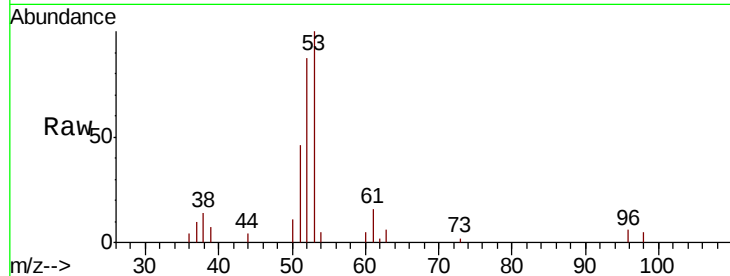
Tgt Ion: 53 Resp: 37617

Ion Ratio Lower Upper

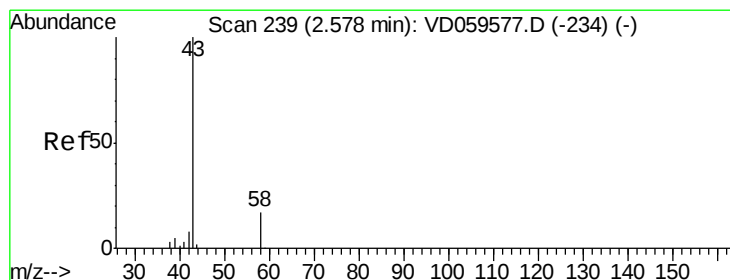
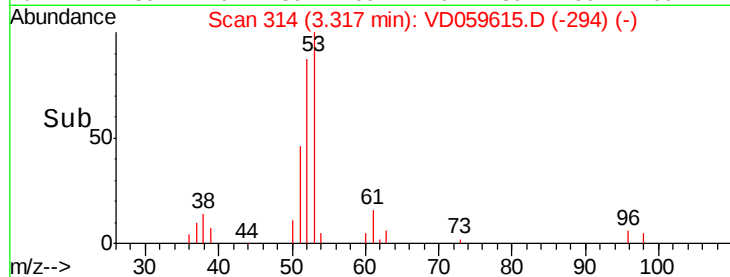
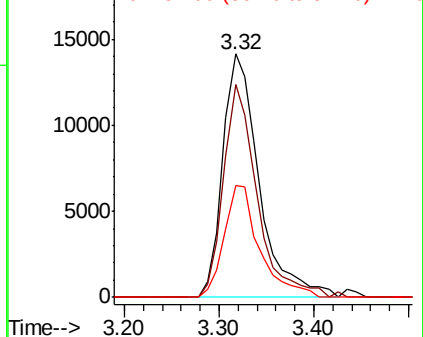
53 100

52 87.2 67.6 101.4

51 45.7 33.7 50.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 243.780 ug/l

RT: 2.58 min Scan# 239

Delta R.T. 0.00 min

Lab File: VD059615.D

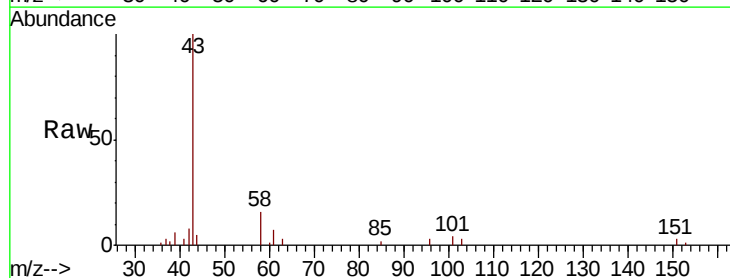
Acq: 26 Jul 2018 20:37

Tgt Ion: 43 Resp: 55937

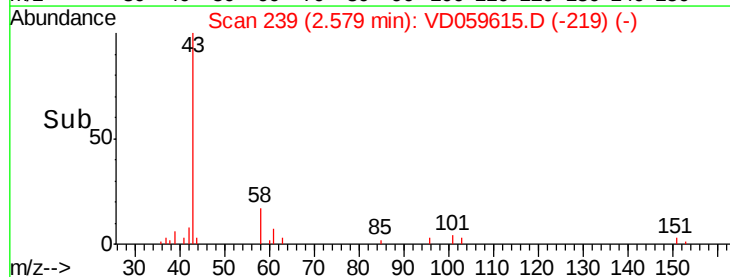
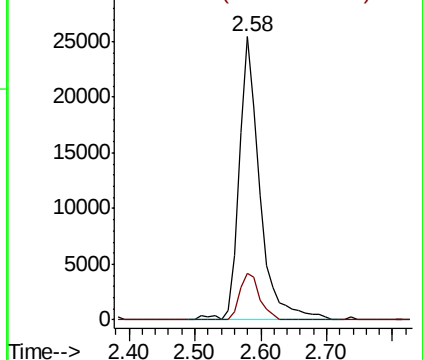
Ion Ratio Lower Upper

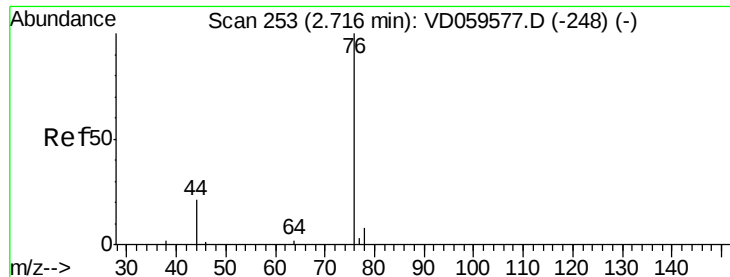
43 100

58 16.3 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

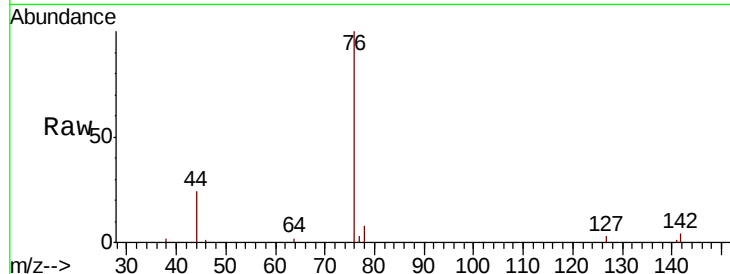




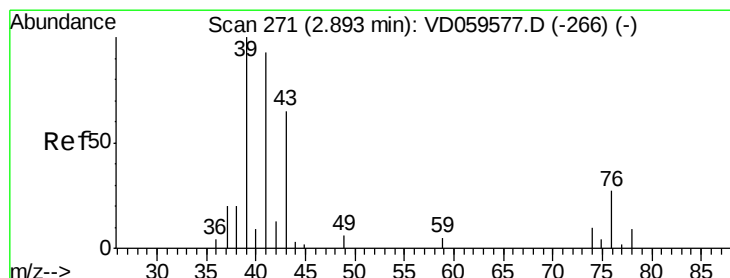
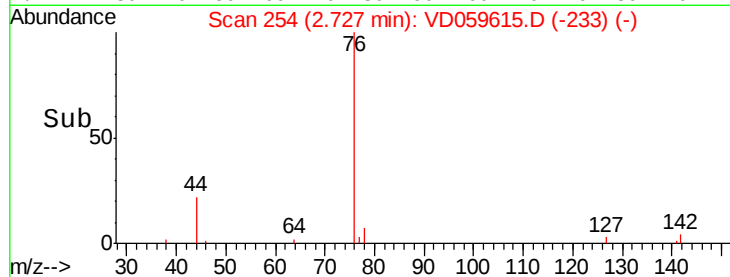
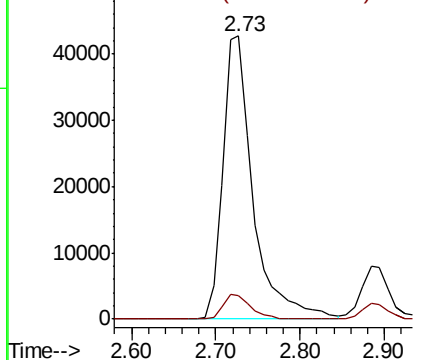
#17
Carbon Disulfide
Concen: 52.038 ug/l
RT: 2.73 min Scan# 254
Delta R.T. 0.01 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 105867
Ion Ratio Lower Upper
76 100
78 8.3 6.8 10.2

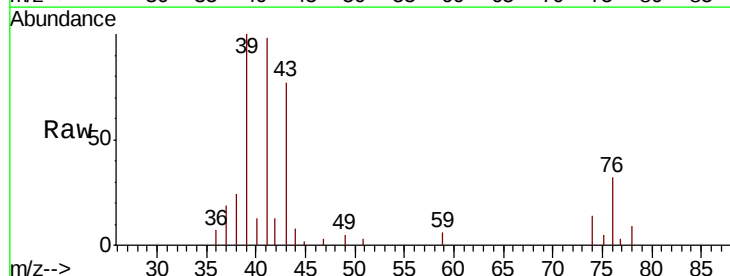


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

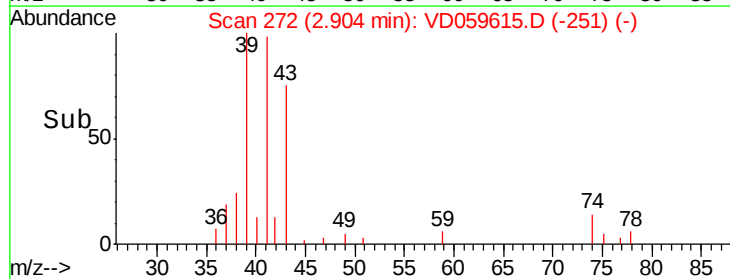
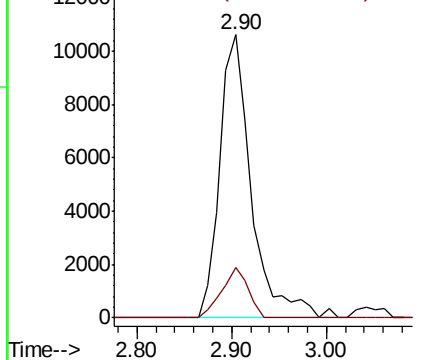


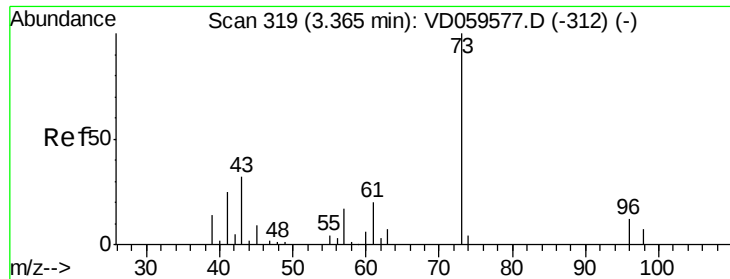
#18
Methyl Acetate
Concen: 53.313 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Tgt Ion: 43 Resp: 24463
Ion Ratio Lower Upper
43 100
74 17.8 13.0 19.4



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

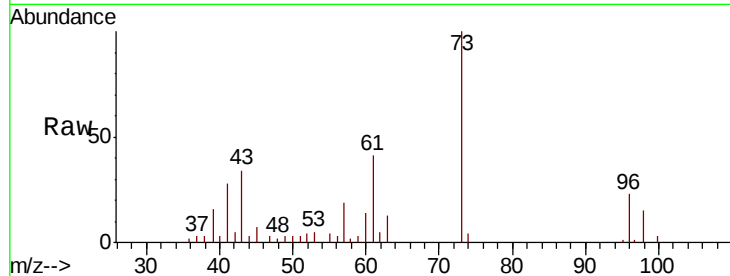




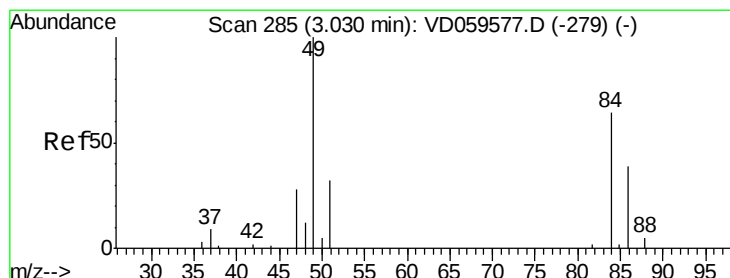
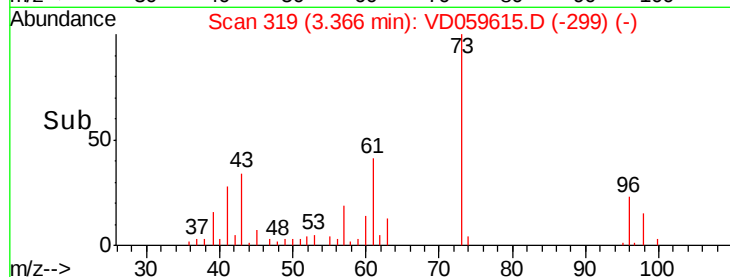
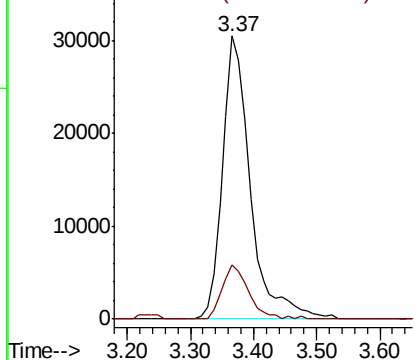
#19
Methyl tert-butyl Ether
Concen: 54.575 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.00 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 93692
Ion Ratio Lower Upper
73 100
57 18.9 13.4 20.2

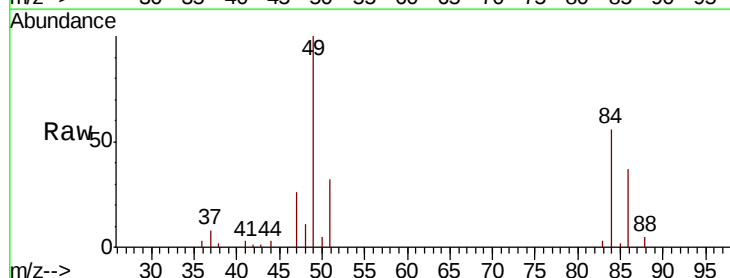


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

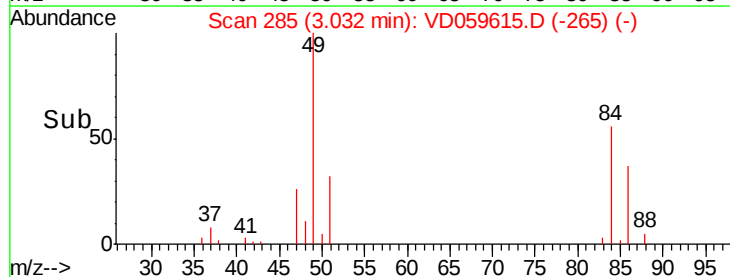
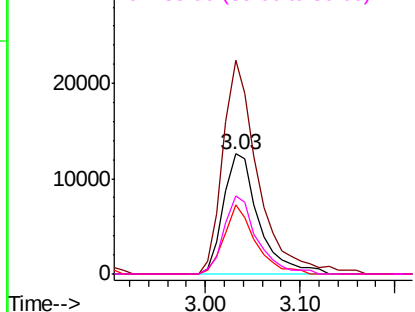


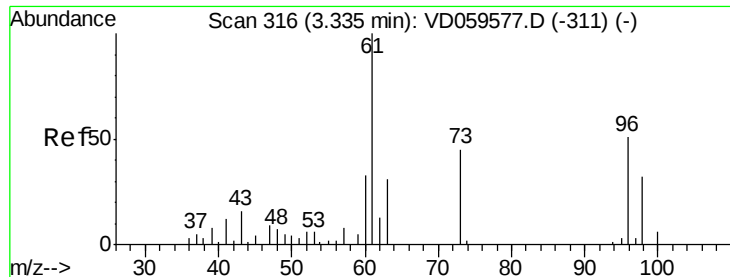
#20
Methylene Chloride
Concen: 49.773 ug/l
RT: 3.03 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Tgt Ion: 84 Resp: 32565
Ion Ratio Lower Upper
84 100
49 178.3 125.4 188.2
51 57.8 39.7 59.5
86 65.2 49.1 73.7



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





#21

trans-1,2-Dichloroethene

Concen: 58.756 ug/l

RT: 3.35 min Scan# 317

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

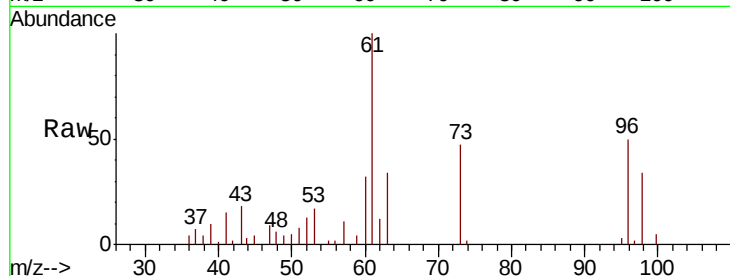
Tgt Ion: 96 Resp: 32451

Ion Ratio Lower Upper

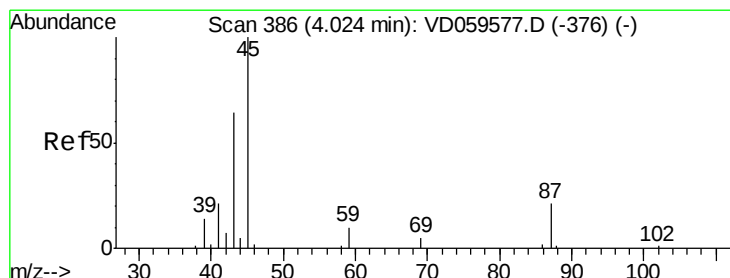
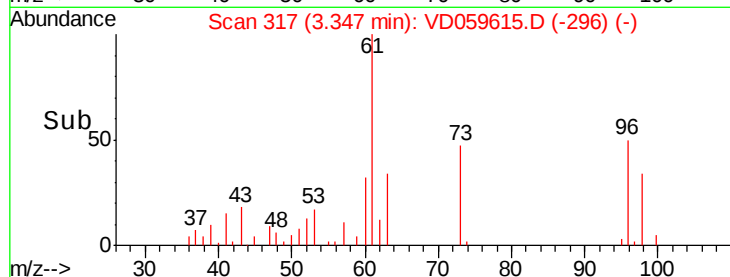
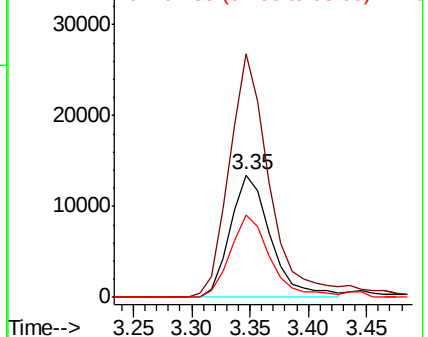
96 100

61 198.7 155.8 233.6

98 67.5 49.1 73.7



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: 49.877 ug/l

RT: 4.04 min Scan# 387

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Tgt Ion: 45 Resp: 162883

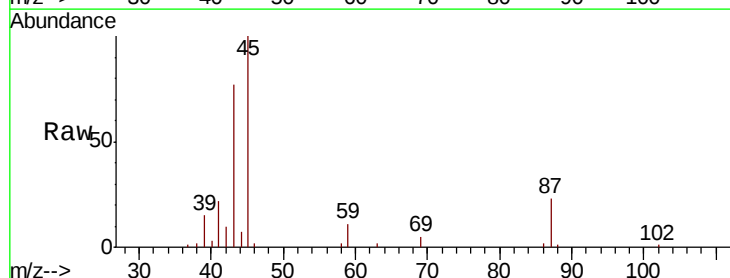
Ion Ratio Lower Upper

45 100

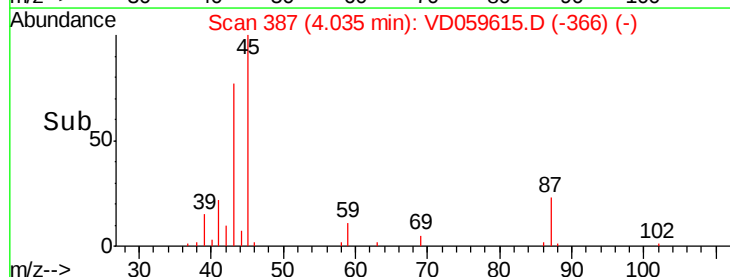
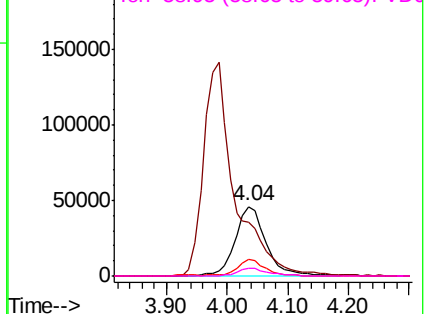
43 77.0 59.4 89.2

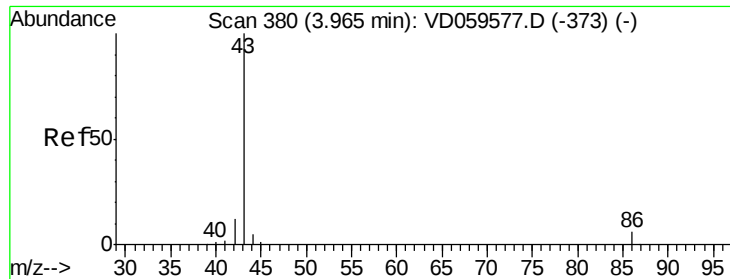
87 23.3 16.7 25.1

59 11.1 8.2 12.4



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

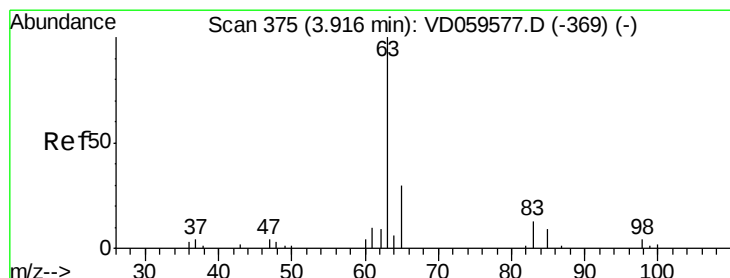
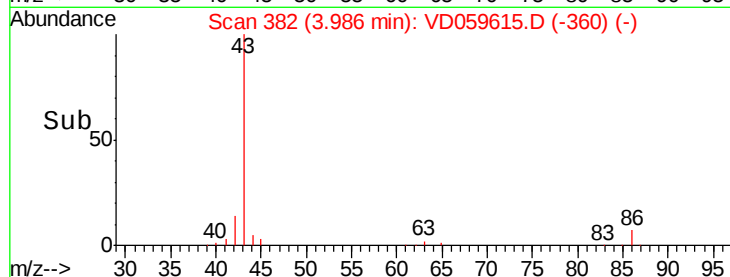
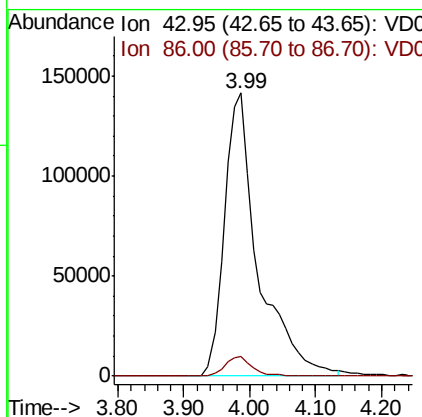
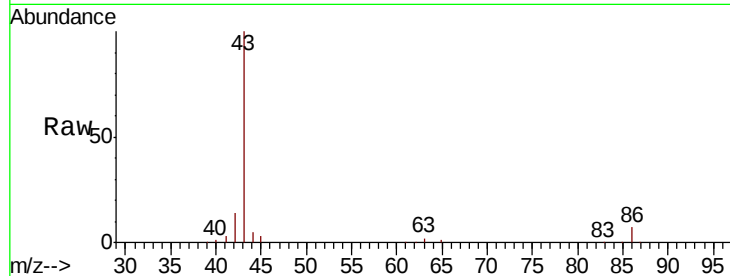




#23
 Vinyl Acetate
 Concen: 244.064 ug/l
 RT: 3.99 min Scan# 382
 Delta R.T. 0.02 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

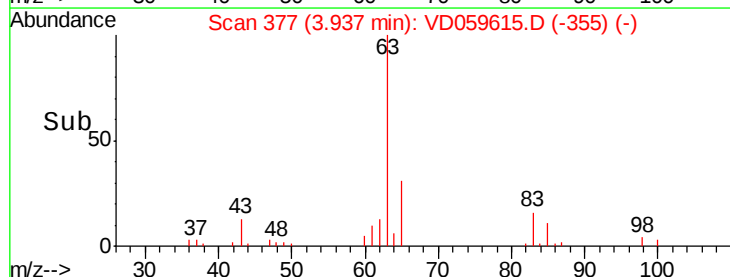
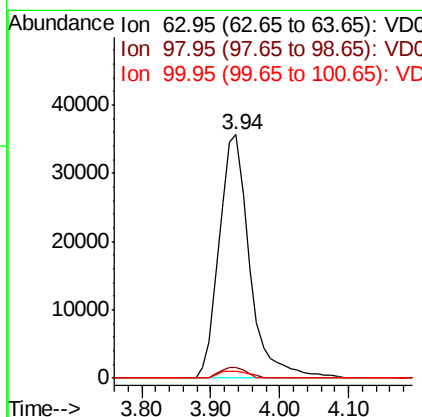
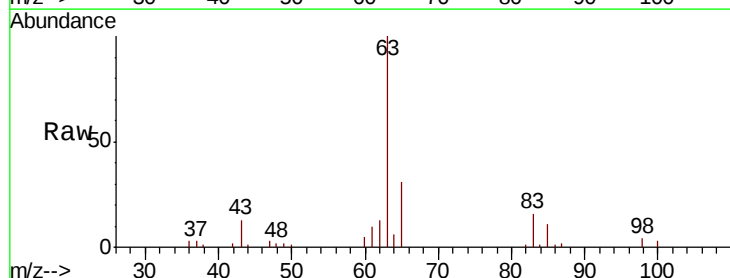
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

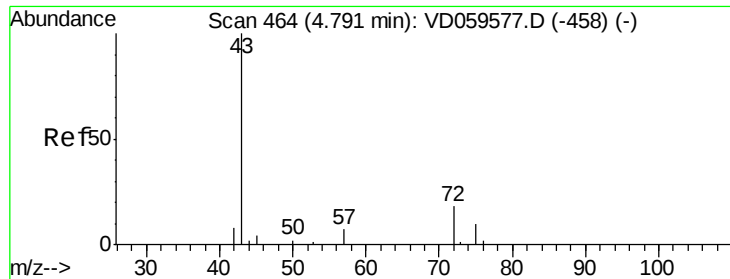
Tgt Ion: 43 Resp: 505850
 Ion Ratio Lower Upper
 43 100
 86 7.0 5.1 7.7



#24
 1,1-Dichloroethane
 Concen: 53.175 ug/l
 RT: 3.94 min Scan# 377
 Delta R.T. 0.02 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Tgt Ion: 63 Resp: 109625
 Ion Ratio Lower Upper
 63 100
 98 4.4 1.8 5.5
 100 2.9 1.1 3.3





#25

2-Butanone

Concen: 231.583 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

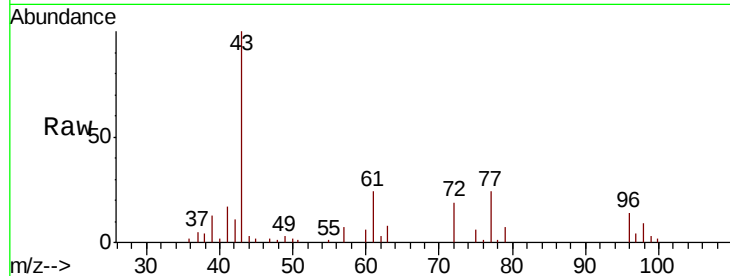
VSTDCCC050EC

Tgt Ion: 43 Resp: 81034

Ion Ratio Lower Upper

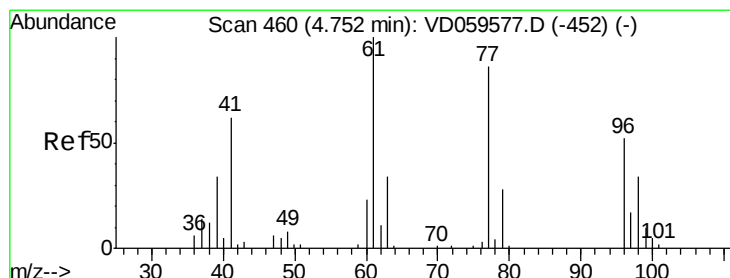
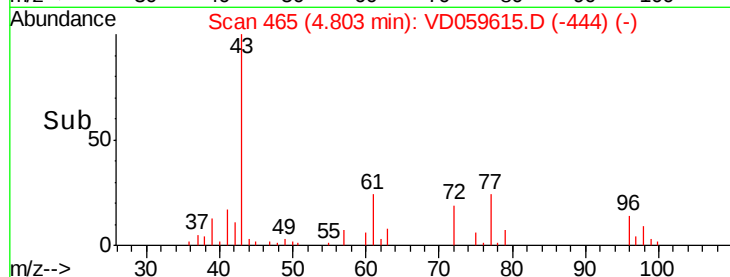
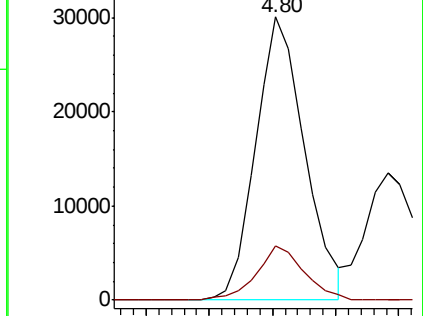
43 100

72 19.1 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.114 ug/l

RT: 4.76 min Scan# 461

Delta R.T. 0.01 min

Lab File: VD059615.D

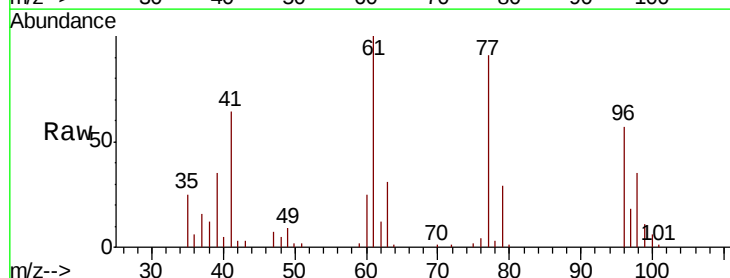
Acq: 26 Jul 2018 20:37

Tgt Ion: 77 Resp: 112142

Ion Ratio Lower Upper

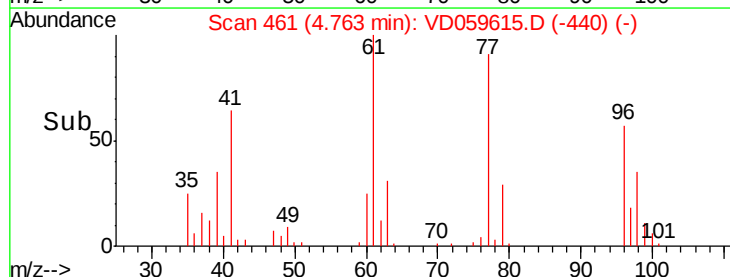
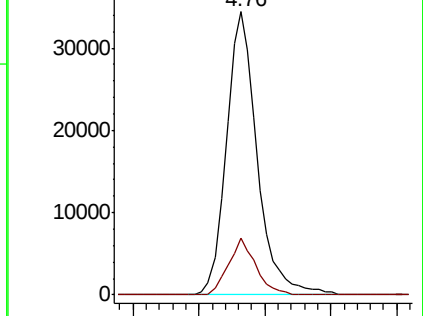
77 100

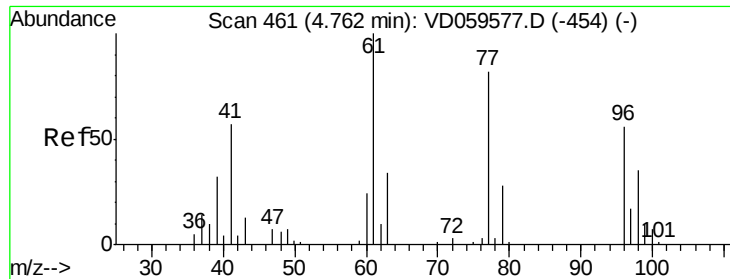
97 19.9 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



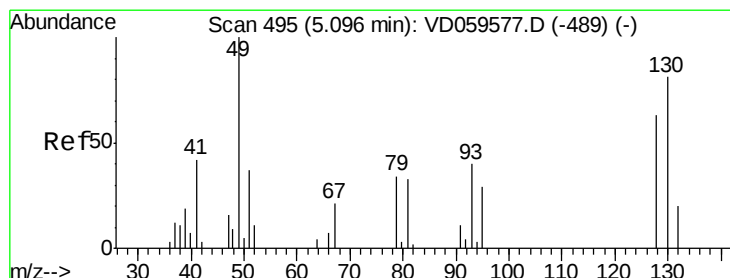
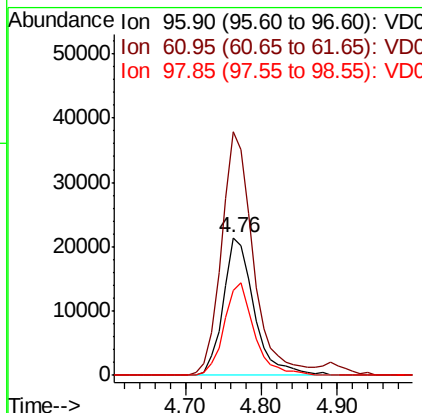
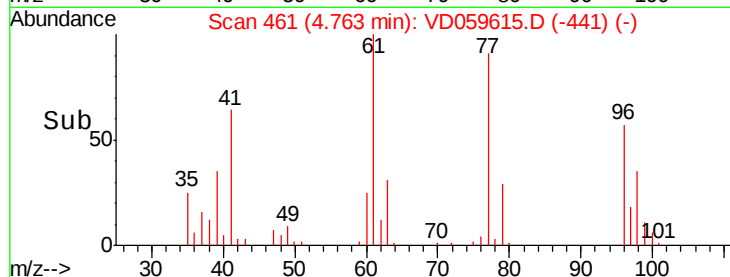
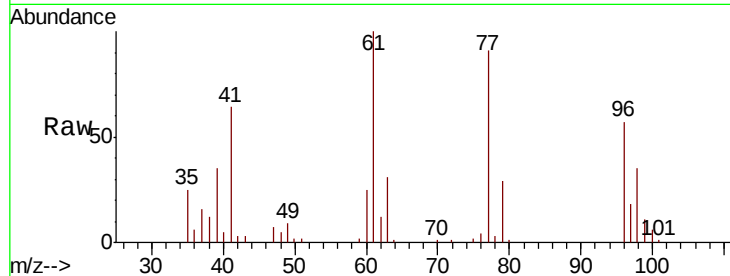


#27

cis-1,2-Dichloroethene
 Concen: 54.718 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

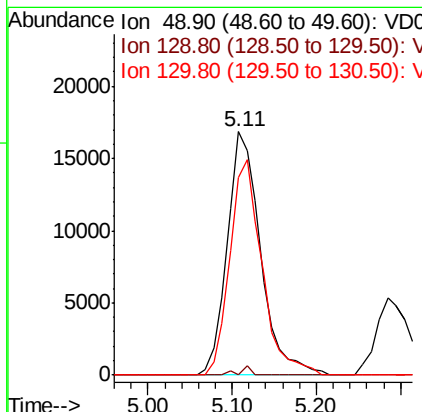
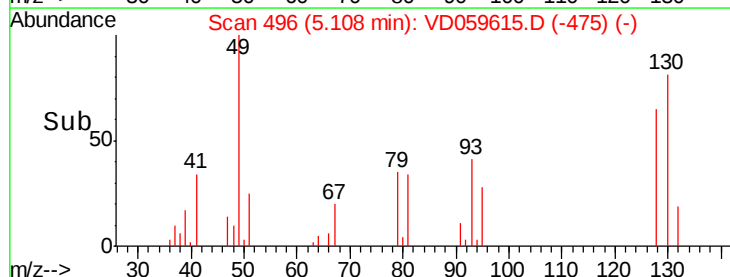
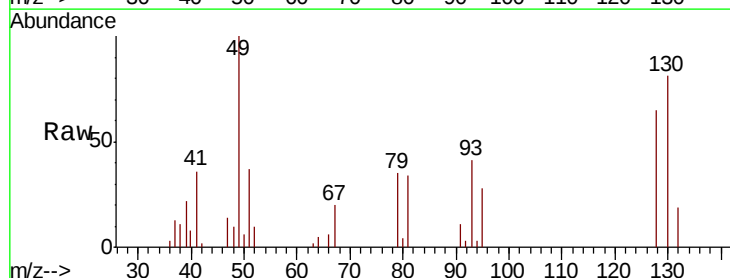
Tgt Ion: 96 Resp: 60365
 Ion Ratio Lower Upper
 96 100
 61 176.5 0.0 355.0
 98 61.3 0.0 125.8

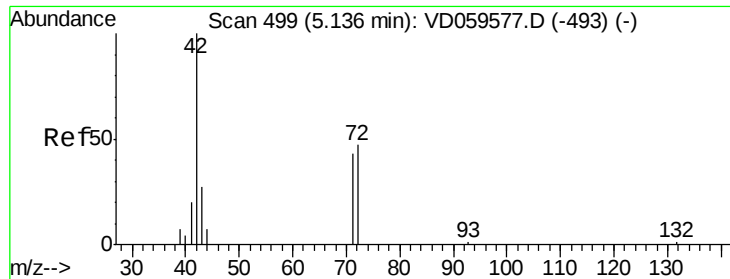


#28

Bromochloromethane
 Concen: 56.954 ug/l
 RT: 5.11 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Tgt Ion: 49 Resp: 46459
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 81.4 64.6 96.8





#29

Tetrahydrofuran

Concen: 238.885 ug/l

RT: 5.16 min Scan# 501

Delta R.T. 0.02 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

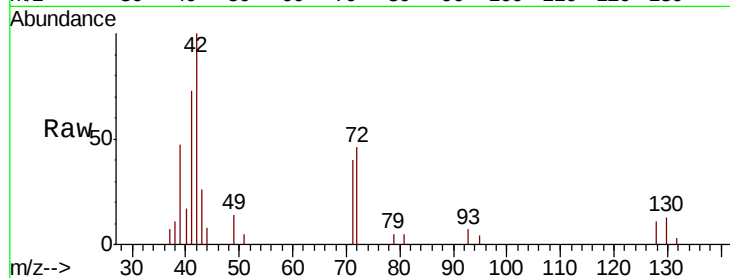
Tgt Ion: 42 Resp: 38704

Ion Ratio Lower Upper

42 100

72 43.0 35.0 52.4

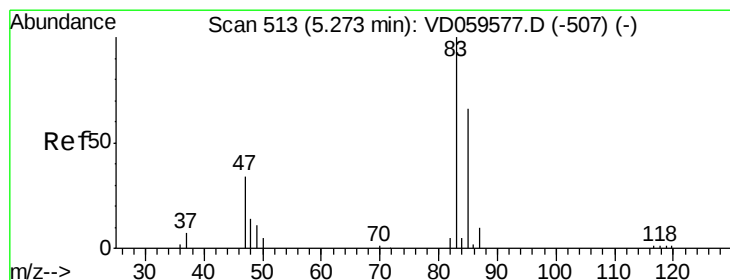
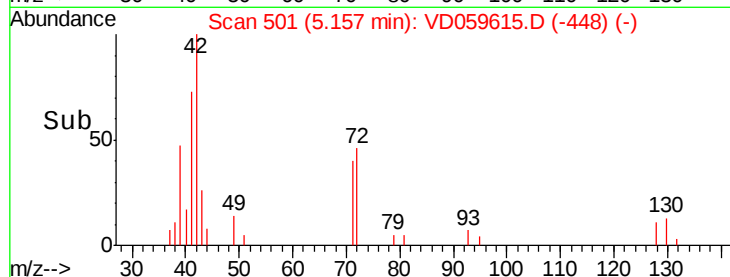
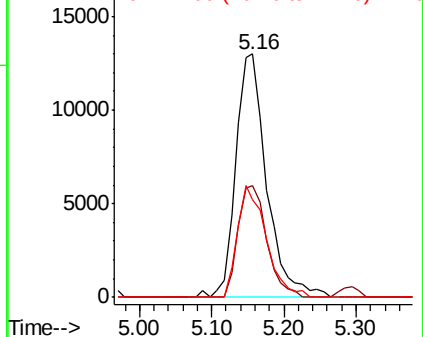
71 42.8 34.2 51.2



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 55.581 ug/l

RT: 5.29 min Scan# 515

Delta R.T. 0.02 min

Lab File: VD059615.D

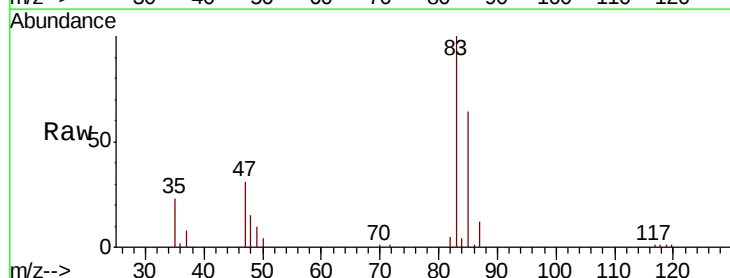
Acq: 26 Jul 2018 20:37

Tgt Ion: 83 Resp: 137049

Ion Ratio Lower Upper

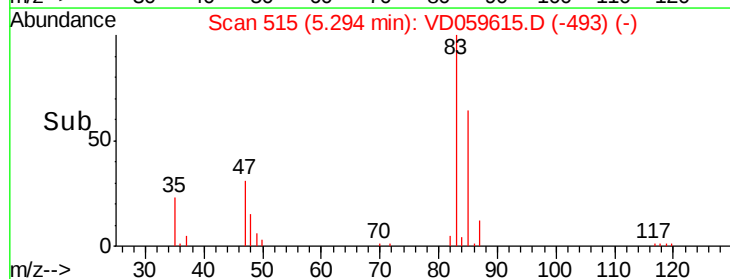
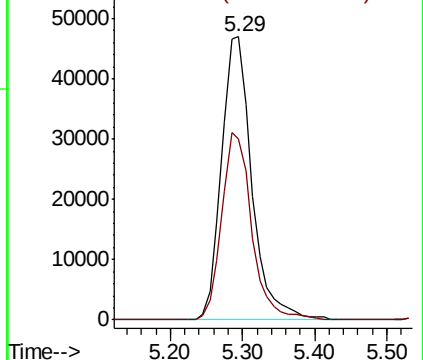
83 100

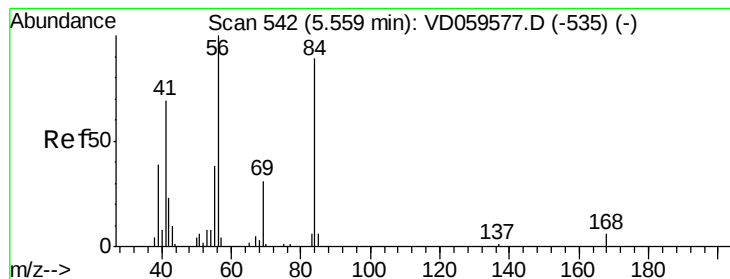
85 64.0 53.0 79.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 54.128 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.00 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

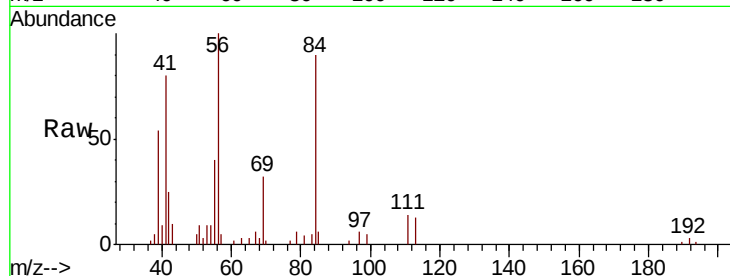
Tgt Ion: 56 Resp: 70997

Ion Ratio Lower Upper

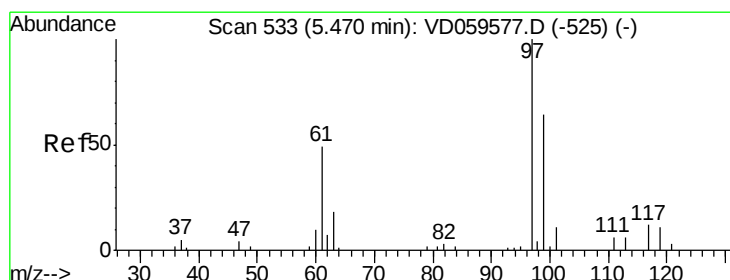
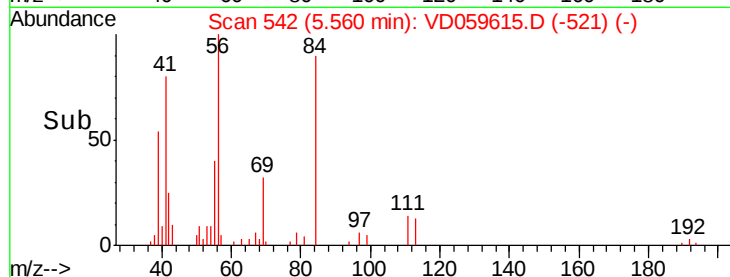
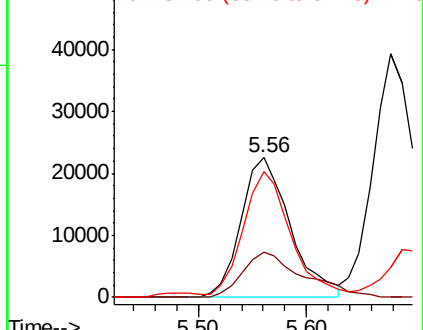
56 100

69 32.4 24.6 37.0

84 90.3 72.7 109.1



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



#32

1,1,1-Trichloroethane

Concen: 55.175 ug/l

RT: 5.48 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

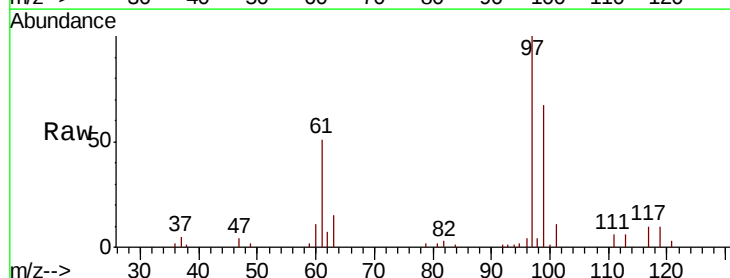
Tgt Ion: 97 Resp: 131713

Ion Ratio Lower Upper

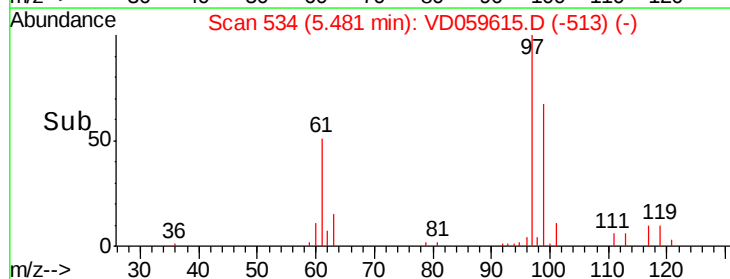
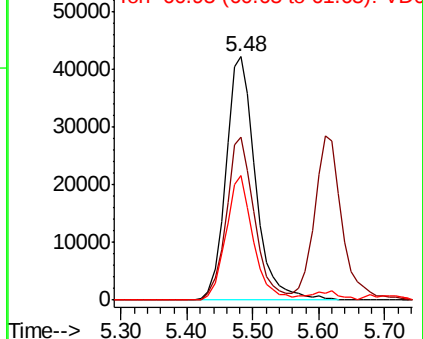
97 100

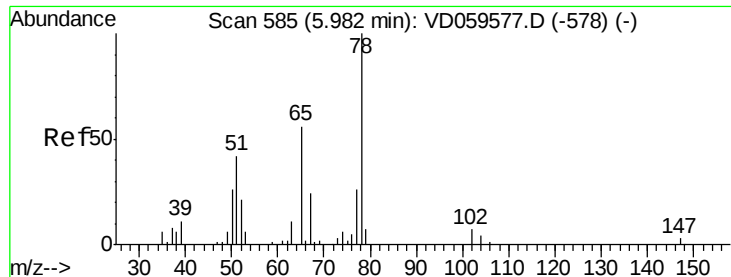
99 66.8 50.9 76.3

61 50.9 39.2 58.8



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





#33

1,2-Dichloroethane-d4

Concen: 55.175 ug/l

RT: 5.99 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

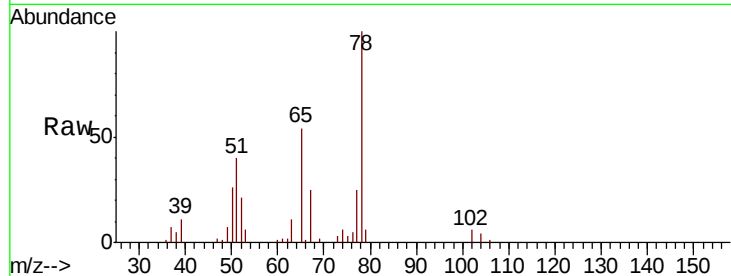
VSTDCCC050EC

Tgt Ion: 65 Resp: 81243

Ion Ratio Lower Upper

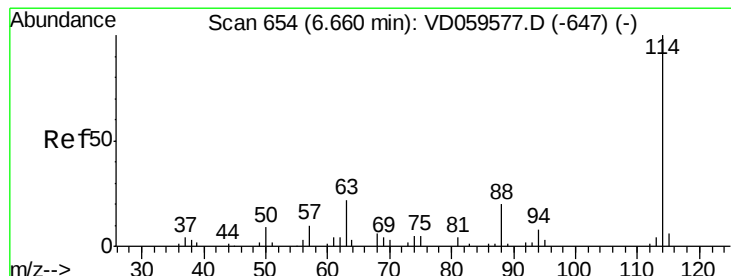
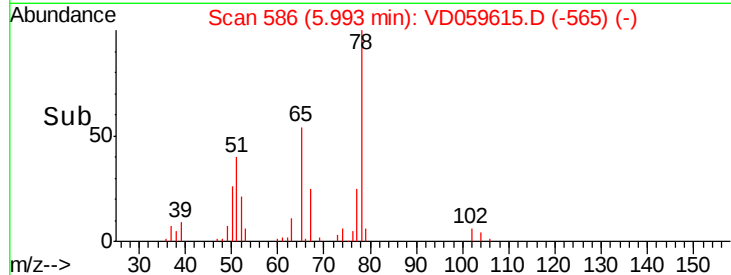
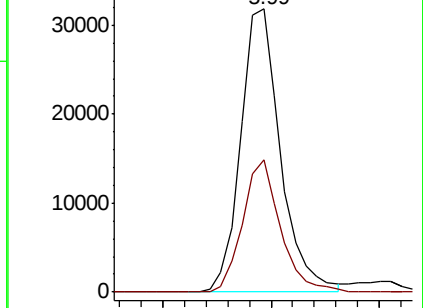
65 100

67 46.6 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 656

Delta R.T. 0.02 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

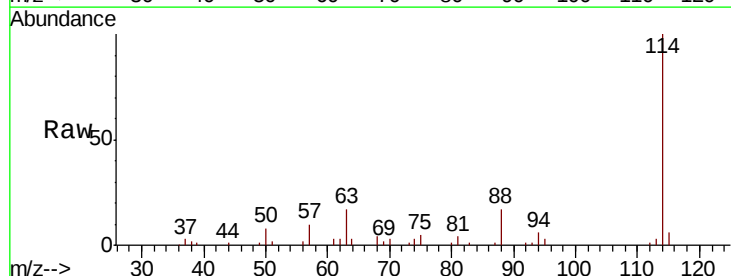
Tgt Ion: 114 Resp: 178692

Ion Ratio Lower Upper

114 100

63 17.3 0.0 43.8

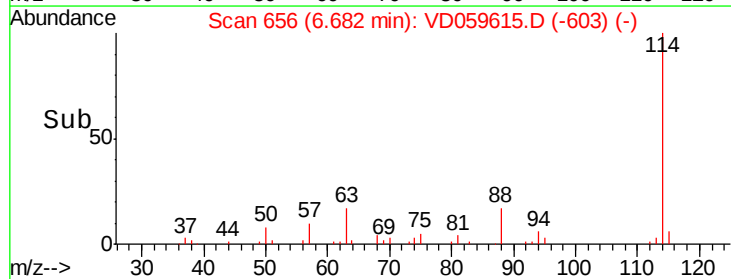
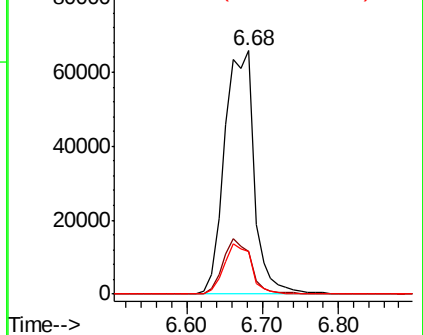
88 17.4 0.0 39.0

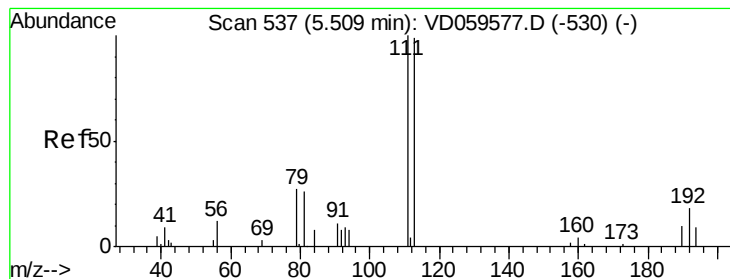


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

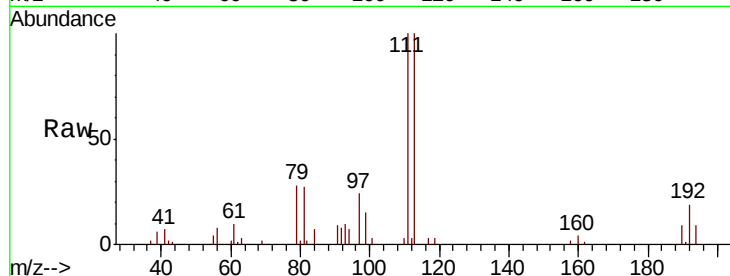
Tgt Ion:113 Resp: 74329

Ion Ratio Lower Upper

113 100

111 99.7 80.5 120.7

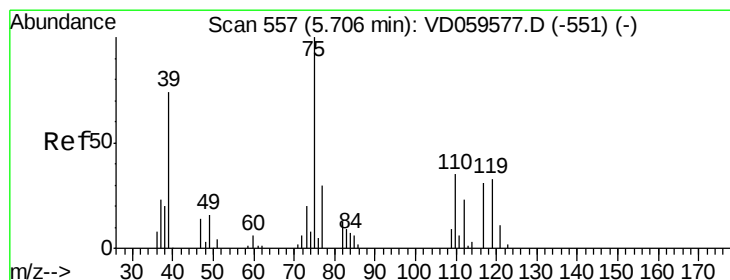
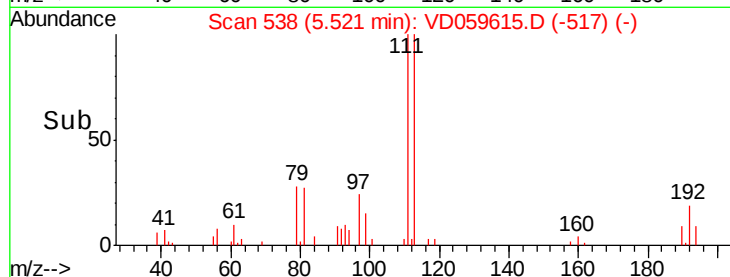
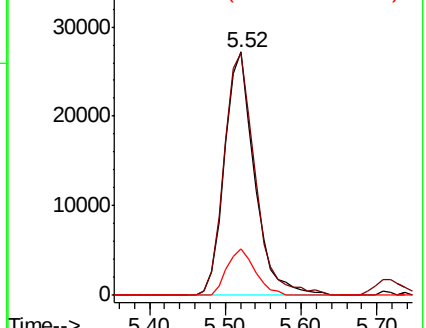
192 19.1 14.5 21.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 49.595 ug/l

RT: 5.72 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

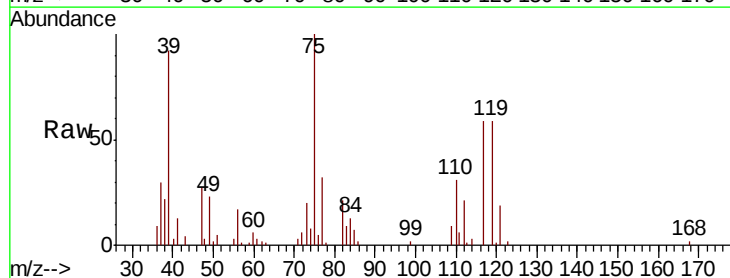
Tgt Ion: 75 Resp: 88928

Ion Ratio Lower Upper

75 100

110 31.0 17.0 50.9

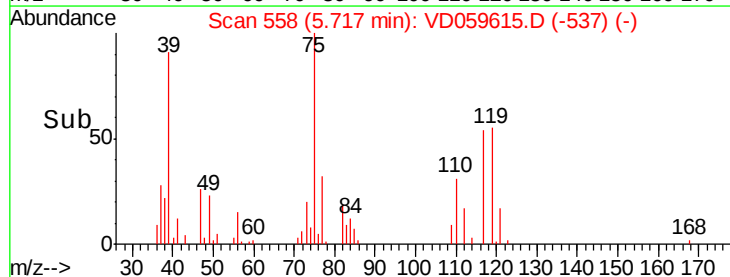
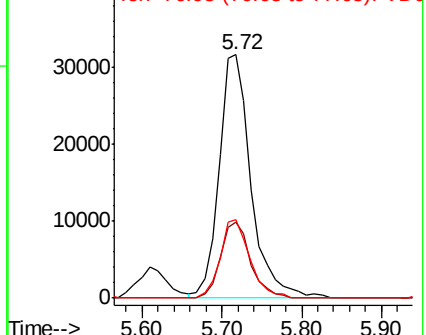
77 32.1 23.6 35.4

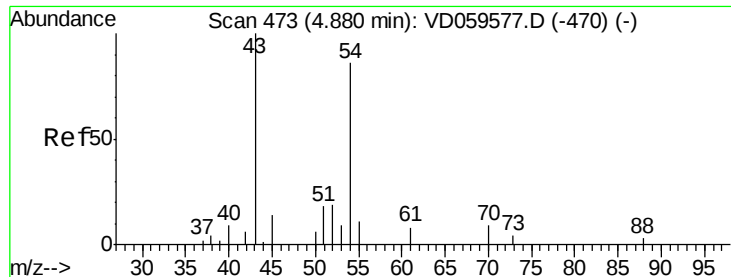


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

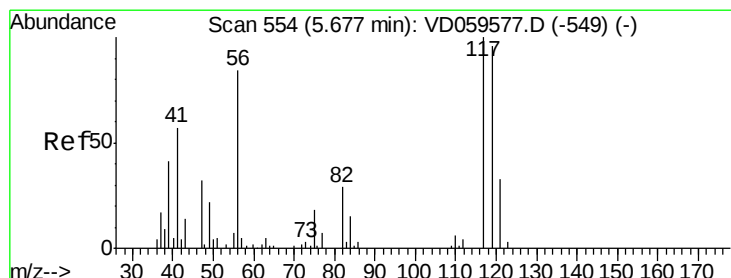
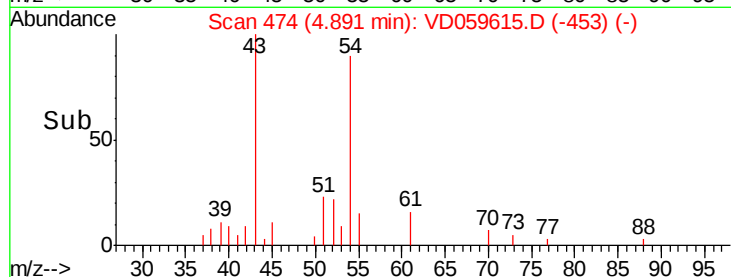
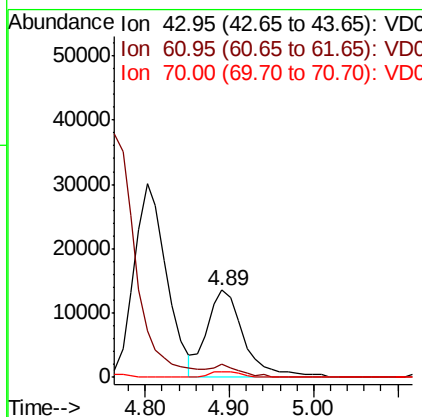
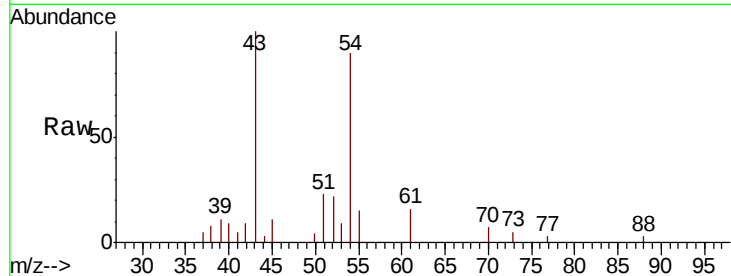




#37
Ethyl Acetate
Concen: 44.879 ug/l
RT: 4.89 min Scan# 474
Delta R.T. 0.01 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

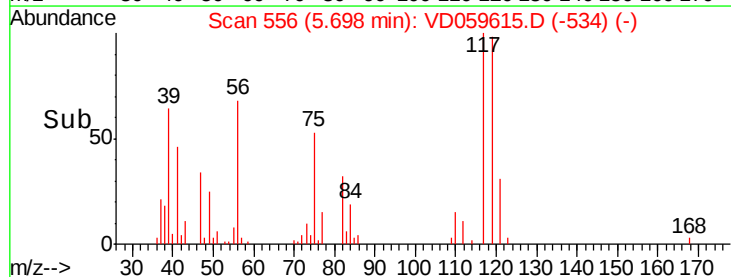
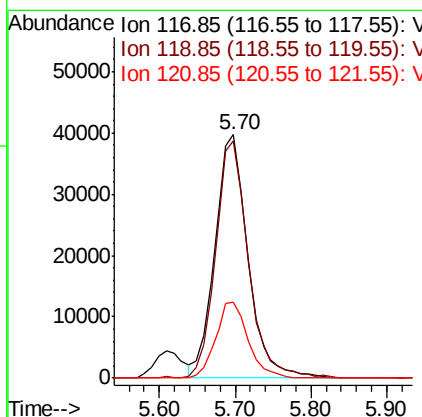
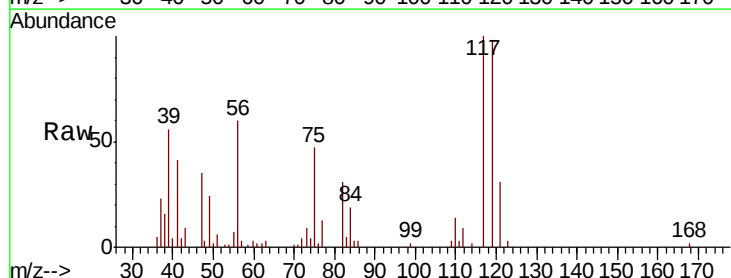
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

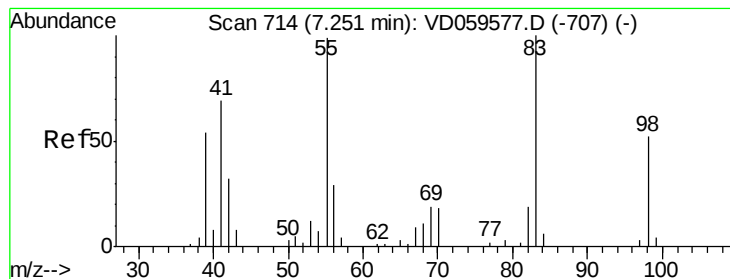
Tgt Ion: 43 Resp: 41396
Ion Ratio Lower Upper
43 100
61 15.8 10.7 16.1
70 7.1 5.4 8.0



#38
Carbon Tetrachloride
Concen: 49.073 ug/l
RT: 5.70 min Scan# 556
Delta R.T. 0.02 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Tgt Ion: 117 Resp: 120492
Ion Ratio Lower Upper
117 100
119 97.5 73.6 110.4
121 31.4 25.0 37.6





#39

Methylcyclohexane

Concen: 47.865 ug/l

RT: 7.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

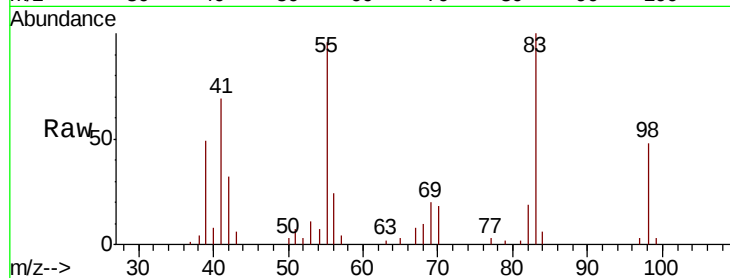
Tgt Ion: 83 Resp: 78925

Ion Ratio Lower Upper

83 100

55 96.3 79.4 119.0

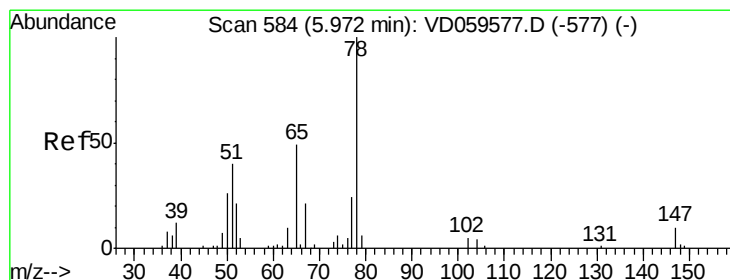
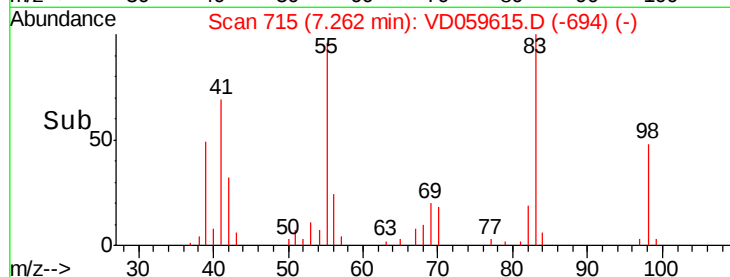
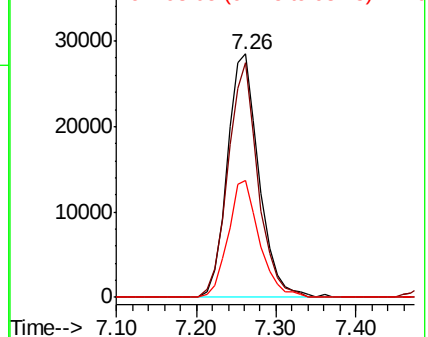
98 48.3 41.6 62.4



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: 46.174 ug/l

RT: 5.98 min Scan# 585

Delta R.T. 0.01 min

Lab File: VD059615.D

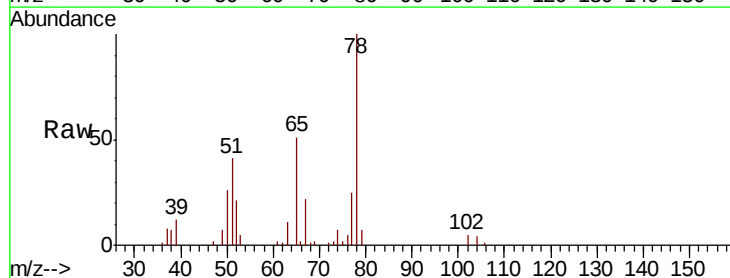
Acq: 26 Jul 2018 20:37

Tgt Ion: 78 Resp: 169788

Ion Ratio Lower Upper

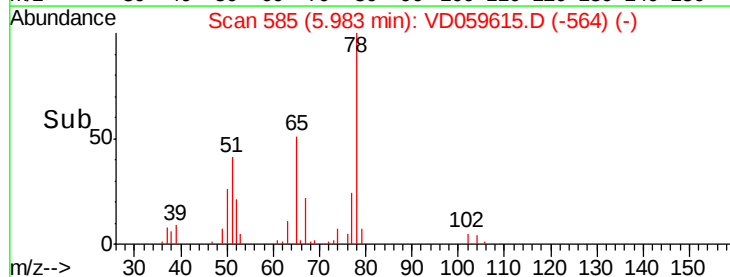
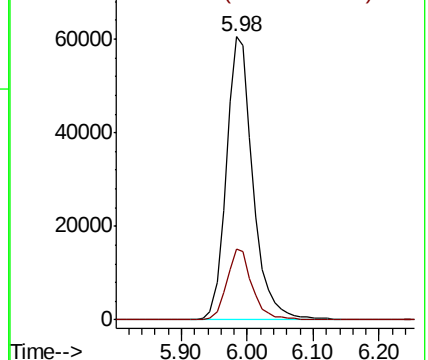
78 100

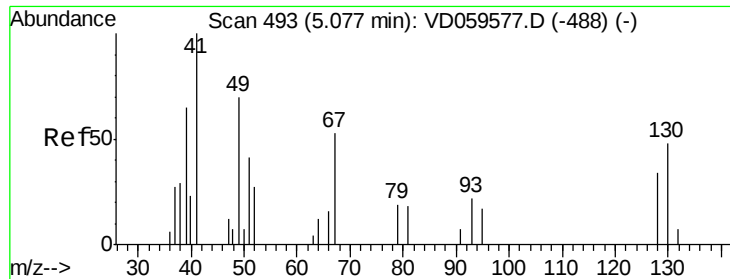
77 25.2 19.0 28.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

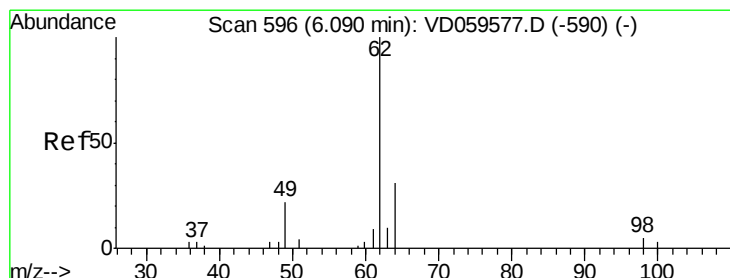
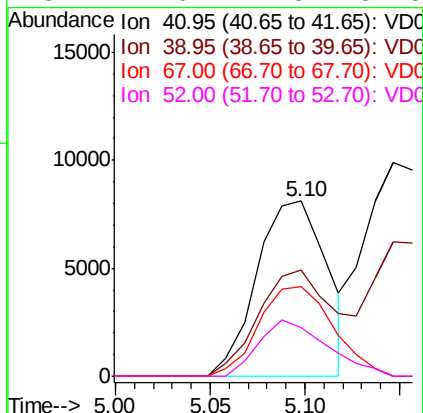
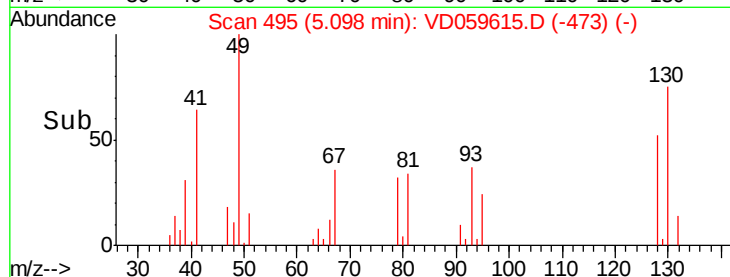
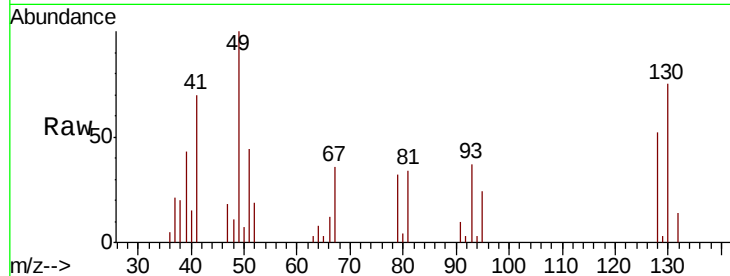




#41
Methacrylonitrile
Concen: 45.453 ug/l
RT: 5.10 min Scan# 495
Delta R.T. 0.02 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

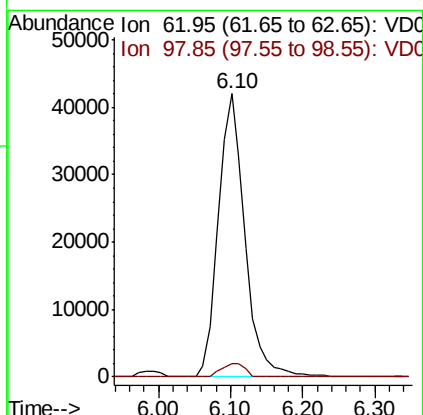
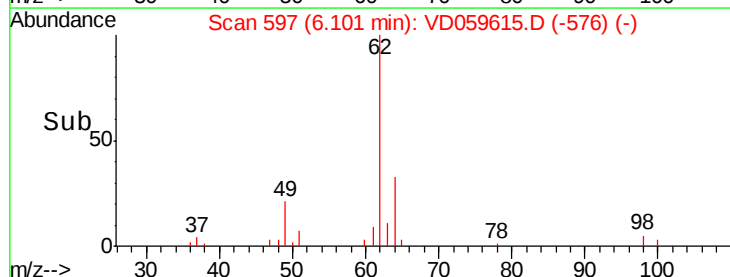
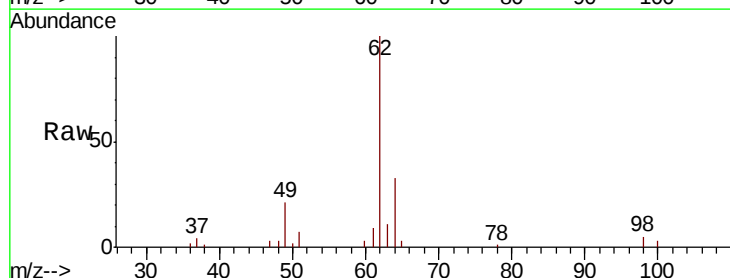
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

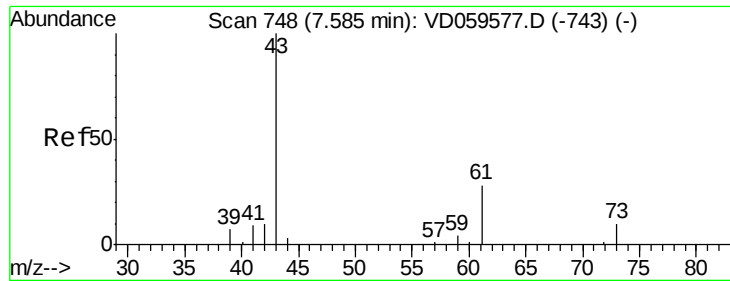
Tgt Ion: 41 Resp: 20922
Ion Ratio Lower Upper
41 100
39 61.0 52.1 78.1
67 51.0 42.5 63.7
52 27.6 21.8 32.8



#42
1,2-Dichloroethane
Concen: 48.072 ug/l
RT: 6.10 min Scan# 597
Delta R.T. 0.01 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Tgt Ion: 62 Resp: 106501
Ion Ratio Lower Upper
62 100
98 4.6 0.0 10.2



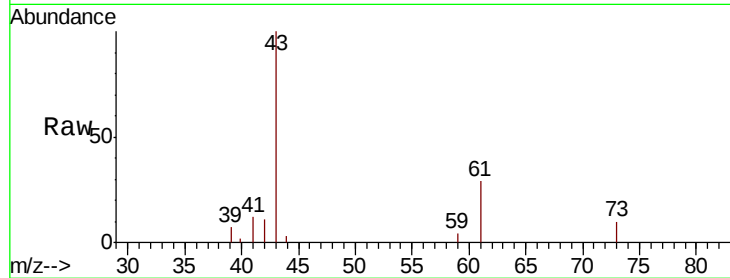


#43

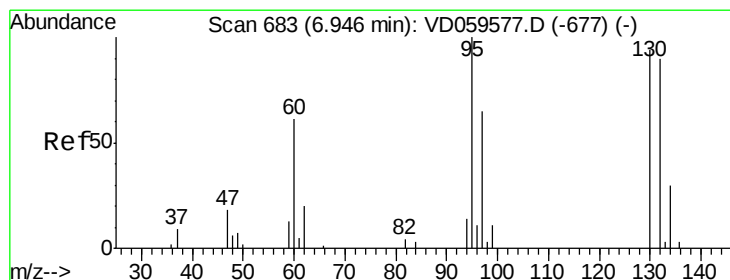
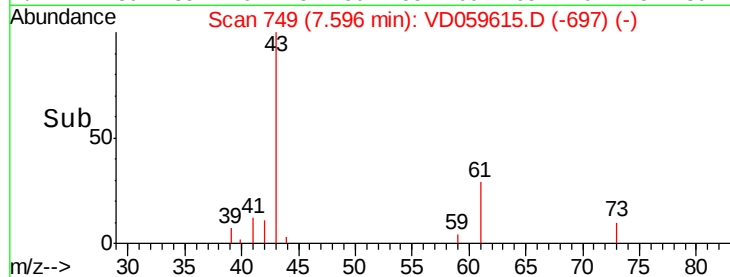
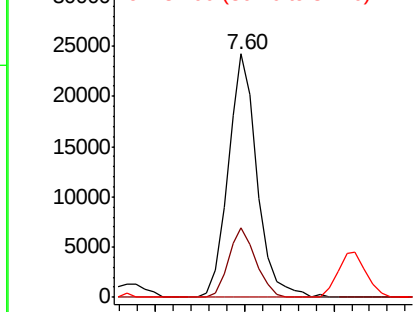
Isopropyl Acetate
 Concen: 42.722 ug/l
 RT: 7.60 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 54643
 Ion Ratio Lower Upper
 43 100
 61 28.6 22.0 33.0
 87 0.0 0.0 0.0



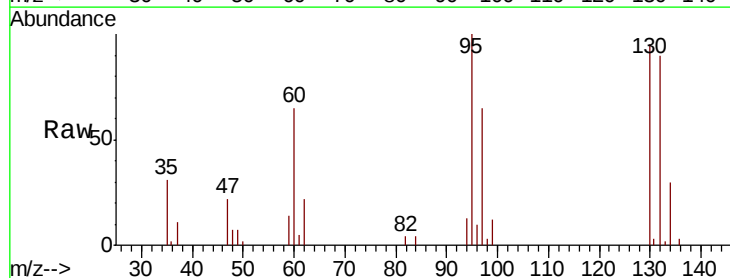
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



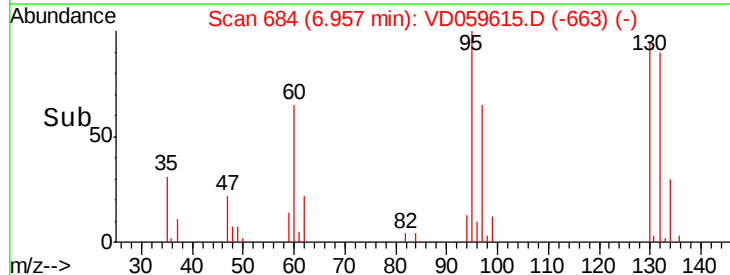
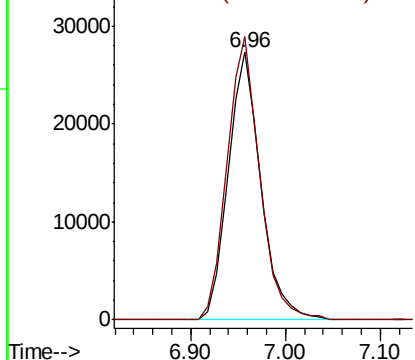
#44

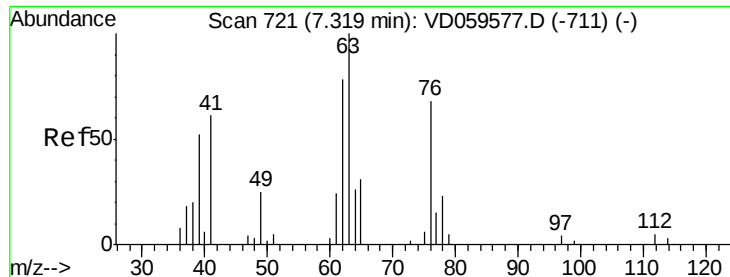
Trichloroethene
 Concen: 48.913 ug/l
 RT: 6.96 min Scan# 684
 Delta R.T. 0.01 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Tgt Ion: 130 Resp: 65236
 Ion Ratio Lower Upper
 130 100
 95 105.8 0.0 213.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 44.064 ug/l

RT: 7.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

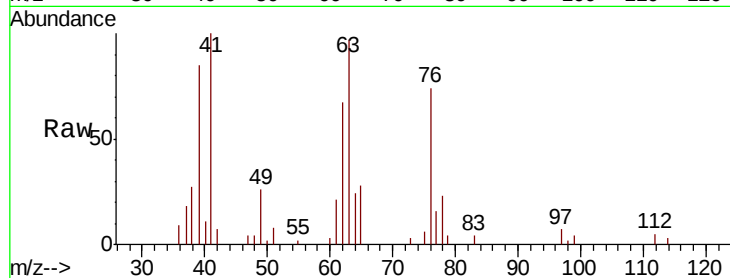
VSTDCCC050EC

Tgt Ion: 63 Resp: 45375

Ion Ratio Lower Upper

63 100

65 28.4 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

20000

15000

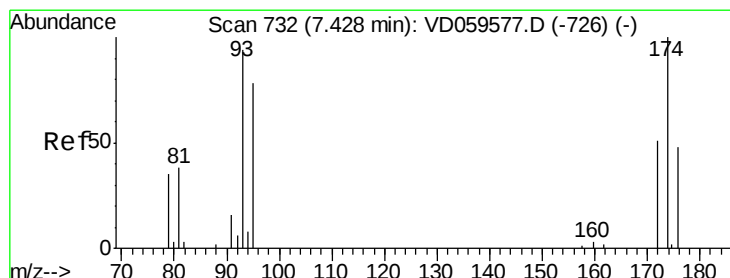
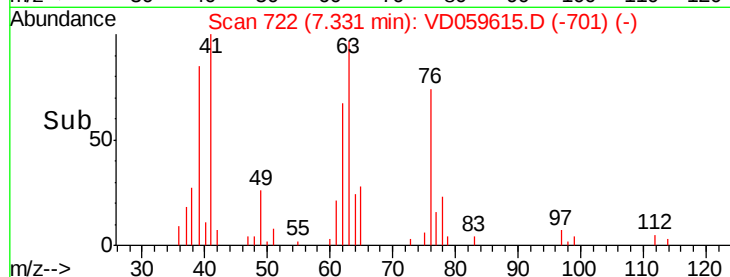
10000

5000

0

7.20 7.30 7.40

Time-->



#46

Dibromomethane

Concen: 47.886 ug/l

RT: 7.44 min Scan# 733

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

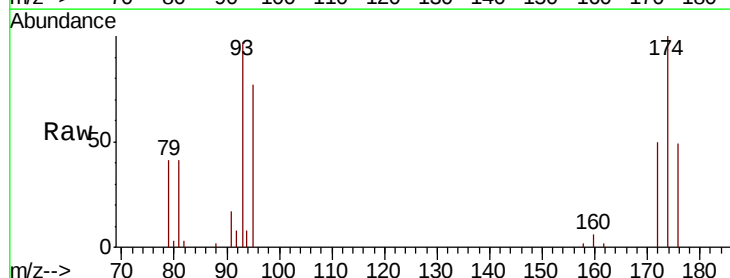
Tgt Ion: 93 Resp: 41680

Ion Ratio Lower Upper

93 100

95 79.5 65.8 98.8

174 102.6 84.7 127.1



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

25000

20000

15000

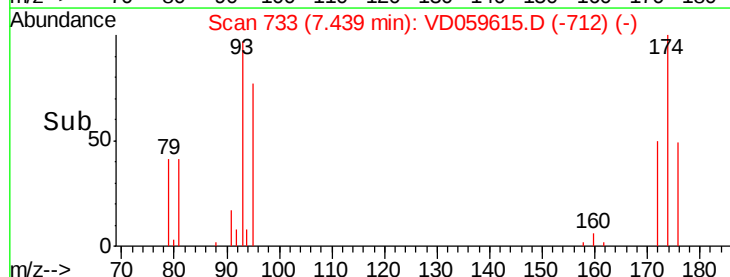
10000

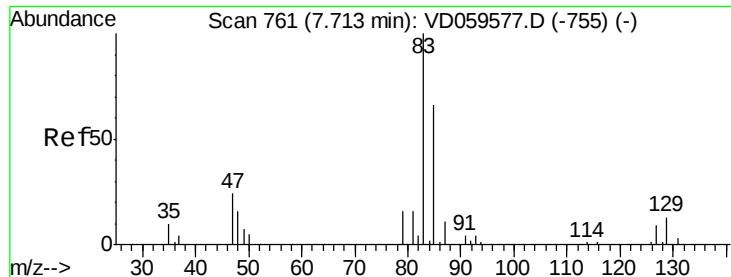
5000

0

7.35 7.40 7.45 7.50 7.55

Time-->





#47

Bromodichloromethane

Concen: 49.495 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

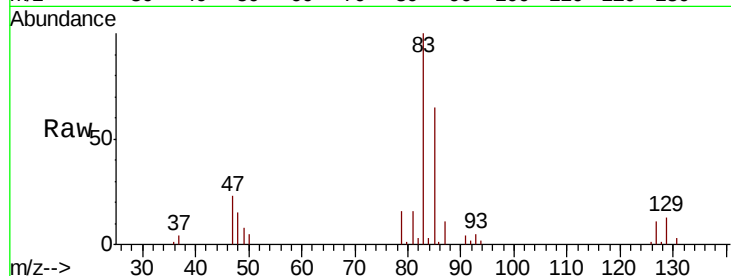
Tgt Ion: 83 Resp: 102893

Ion Ratio Lower Upper

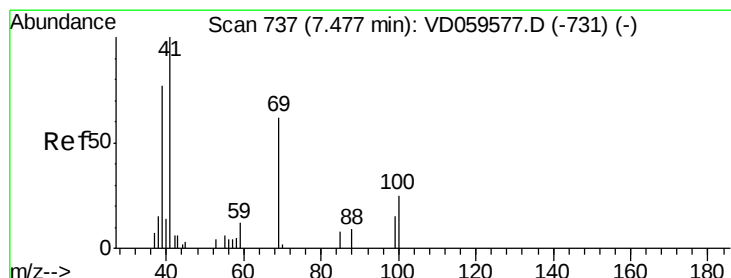
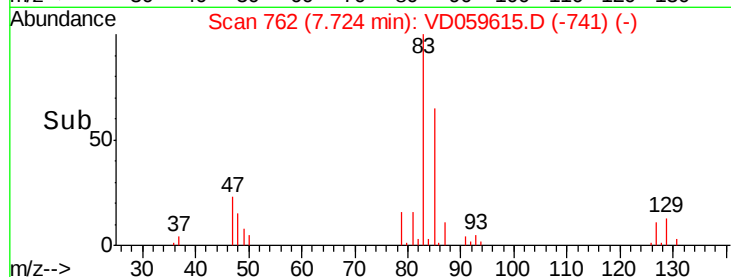
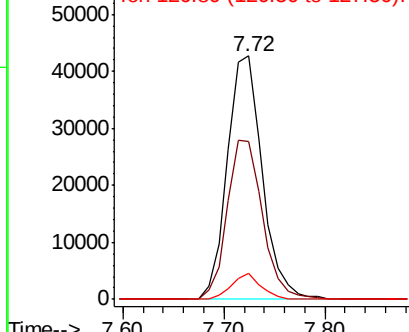
83 100

85 65.0 53.1 79.7

127 10.5 7.4 11.0



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: 45.280 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.00 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

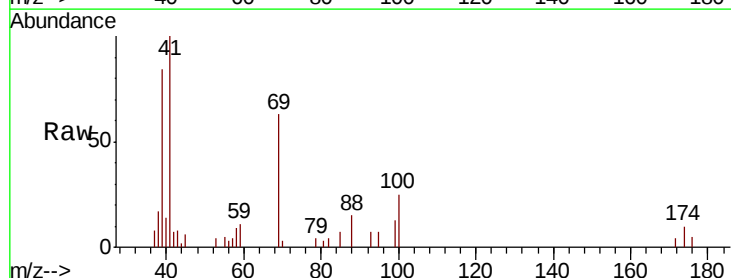
Tgt Ion: 41 Resp: 38408

Ion Ratio Lower Upper

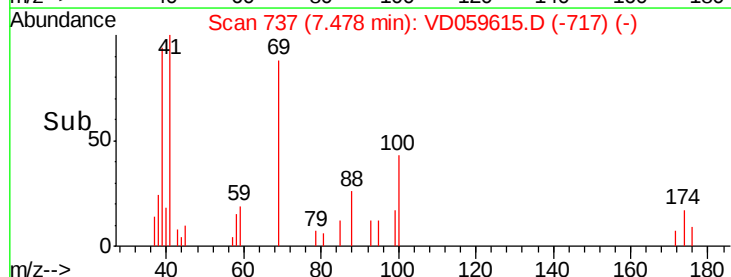
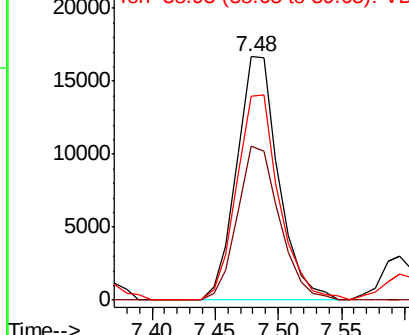
41 100

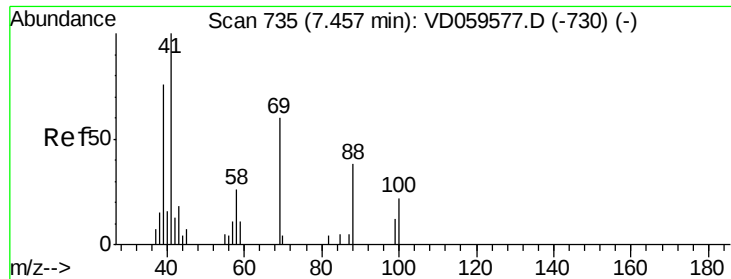
69 63.0 49.4 74.0

39 83.6 61.3 91.9



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: 889.759 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

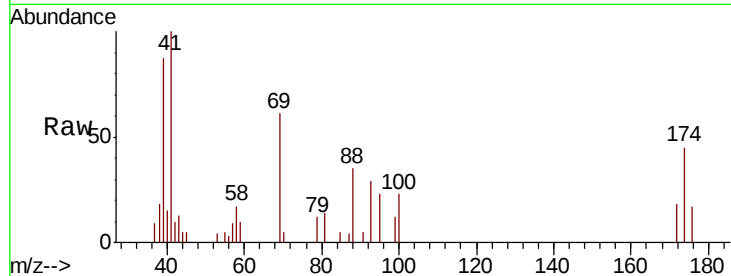
Tgt Ion: 88 Resp: 7040

Ion Ratio Lower Upper

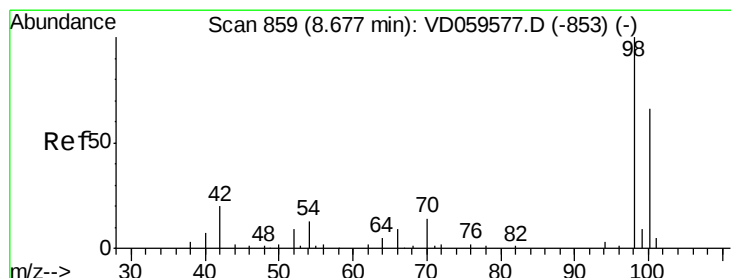
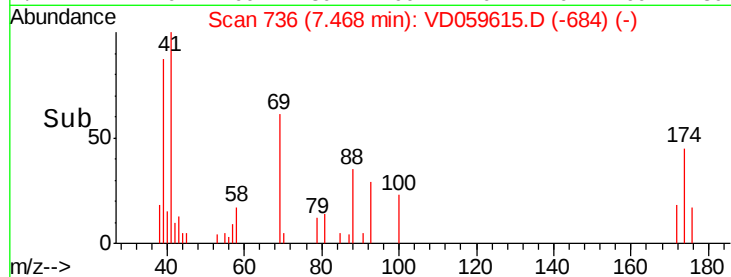
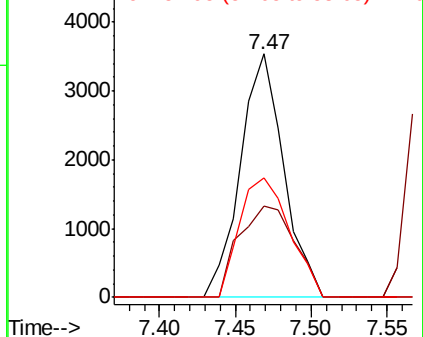
88 100

43 37.6 37.4 56.2

58 49.3 55.6 83.4#



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: 889.759 ug/l

RT: 8.69 min Scan# 860

Delta R.T. 0.01 min

Lab File: VD059615.D

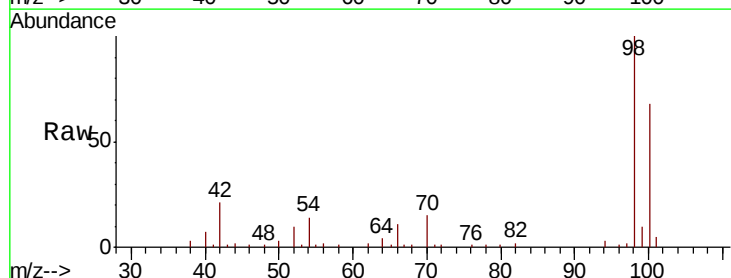
Acq: 26 Jul 2018 20:37

Tgt Ion: 98 Resp: 160761

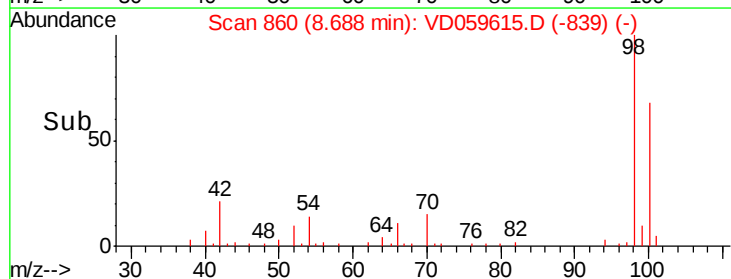
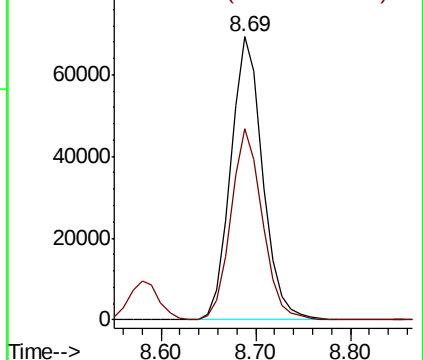
Ion Ratio Lower Upper

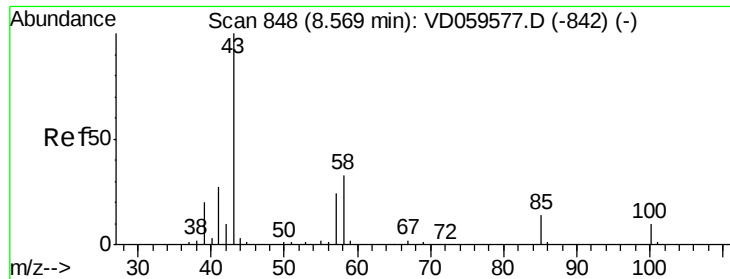
98 100

100 67.8 53.2 79.8



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: 218.851 ug/l

RT: 8.58 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

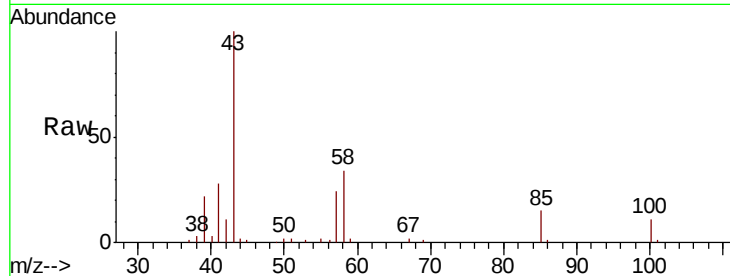
VSTDCCC050EC

Tgt Ion: 43 Resp: 186922

Ion Ratio Lower Upper

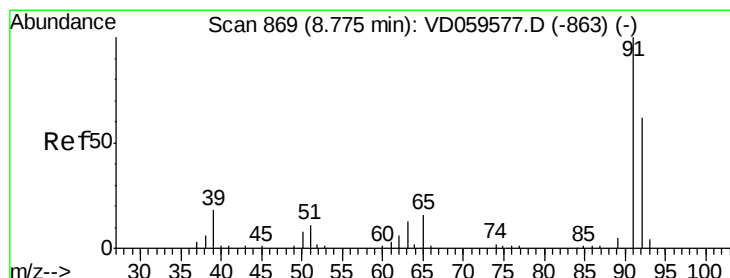
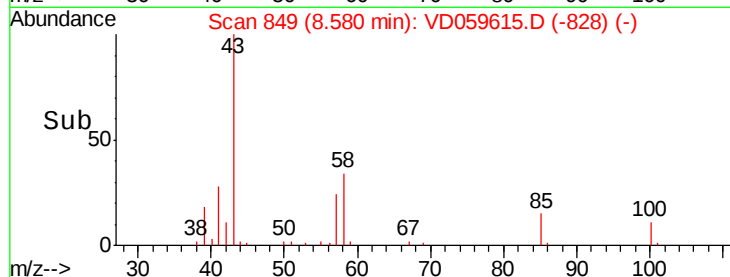
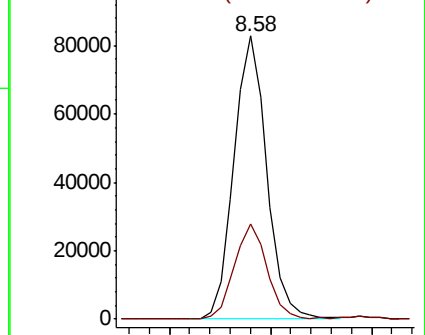
43 100

58 33.8 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 45.670 ug/l

RT: 8.79 min Scan# 870

Delta R.T. 0.01 min

Lab File: VD059615.D

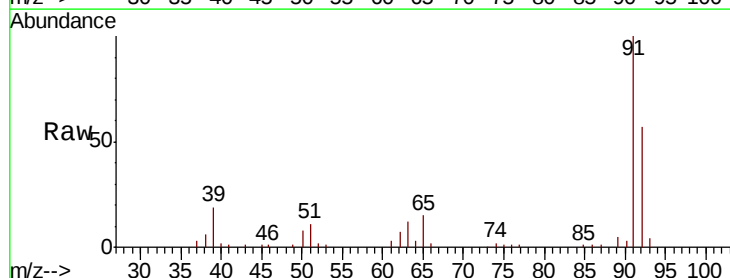
Acq: 26 Jul 2018 20:37

Tgt Ion: 92 Resp: 111353

Ion Ratio Lower Upper

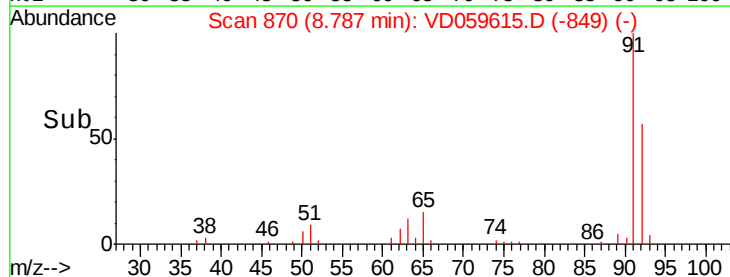
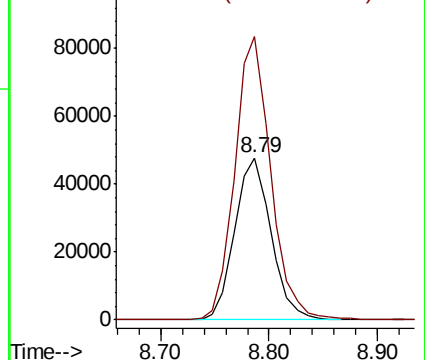
92 100

91 174.7 129.4 194.2



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: 44.951 ug/l

RT: 9.17 min Scan# 909

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

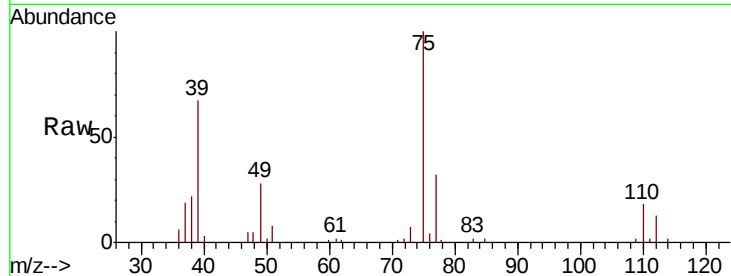
VSTDCCC050EC

Tgt Ion: 75 Resp: 84284

Ion Ratio Lower Upper

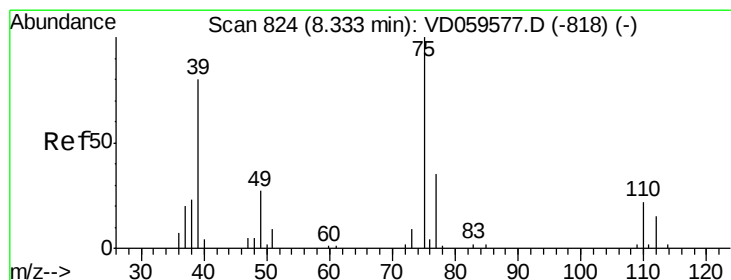
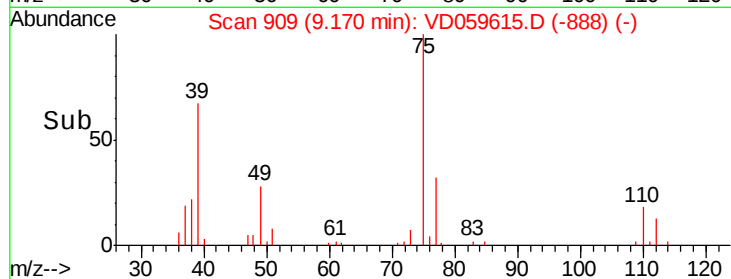
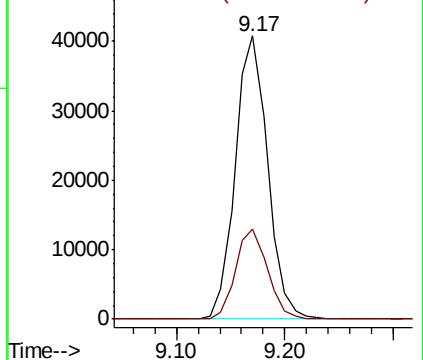
75 100

77 31.8 25.4 38.0



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: 47.866 ug/l

RT: 8.34 min Scan# 825

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

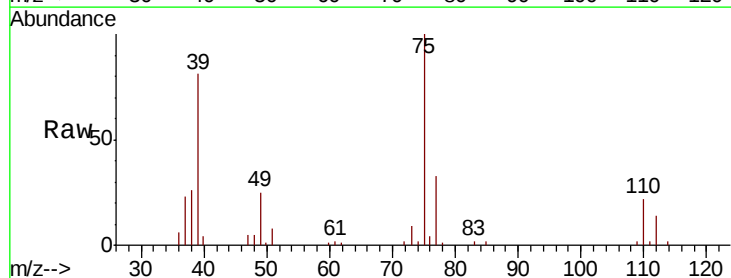
Tgt Ion: 75 Resp: 89125

Ion Ratio Lower Upper

75 100

77 32.8 27.7 41.5

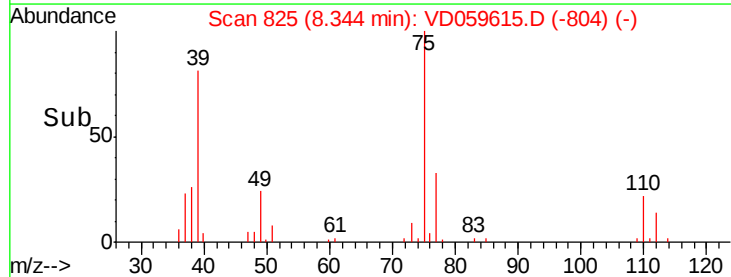
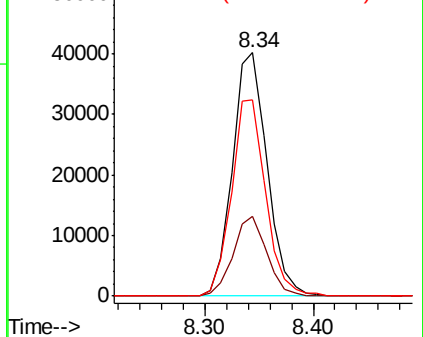
39 80.8 63.8 95.8

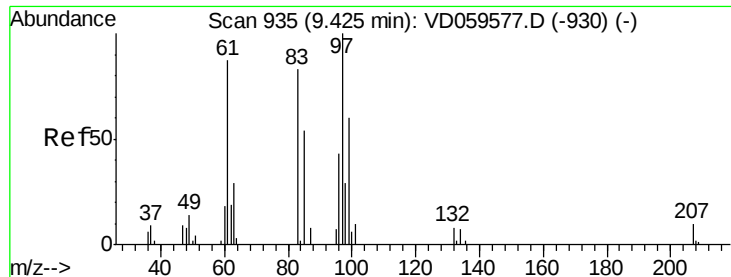


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

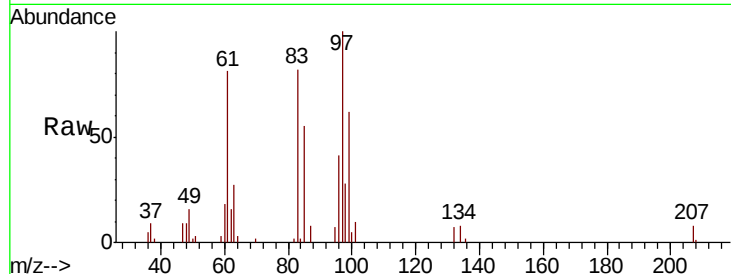




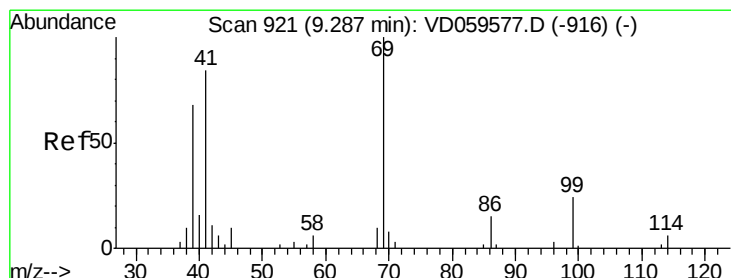
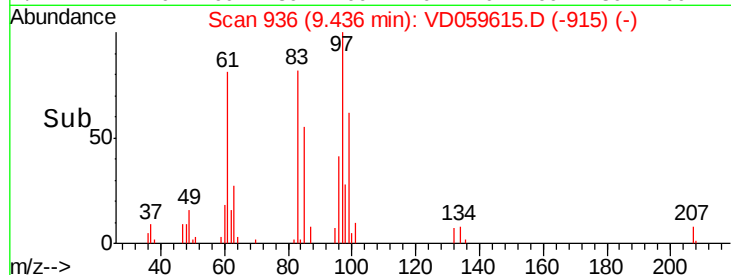
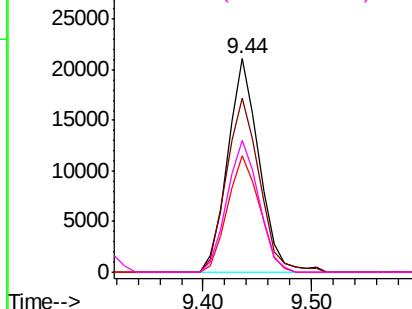
#55
 1,1,2-Trichloroethane
 Concen: 46.607 ug/l
 RT: 9.44 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 97 Resp: 42693
 Ion Ratio Lower Upper
 97 100
 83 81.5 66.3 99.5
 85 54.6 43.0 64.6
 99 61.7 47.7 71.5

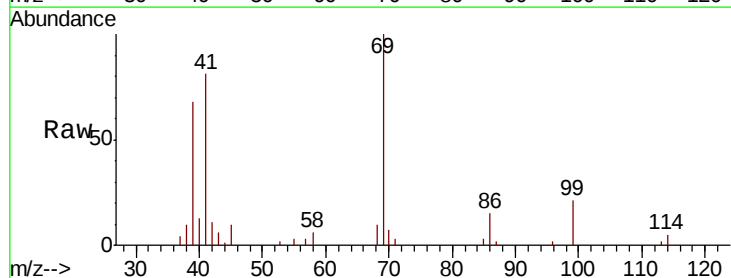


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

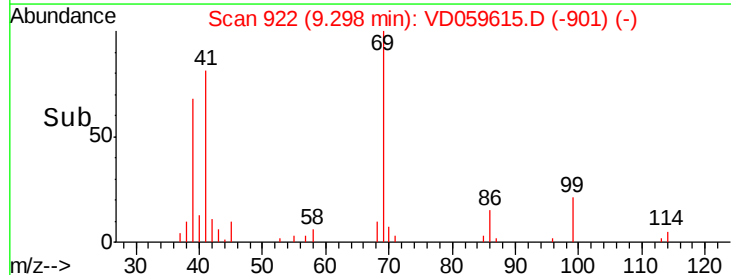
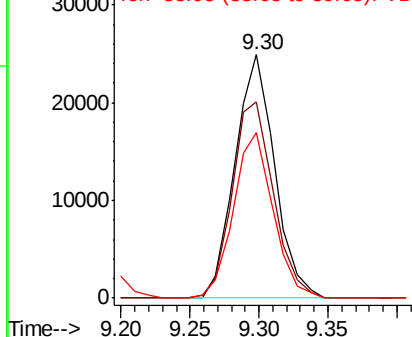


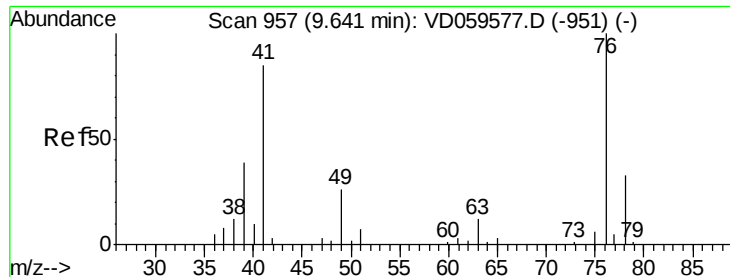
#56
 Ethyl methacrylate
 Concen: 47.804 ug/l
 RT: 9.30 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Tgt Ion: 69 Resp: 49682
 Ion Ratio Lower Upper
 69 100
 41 80.7 66.8 100.2
 39 68.2 54.7 82.1



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: 46.538 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

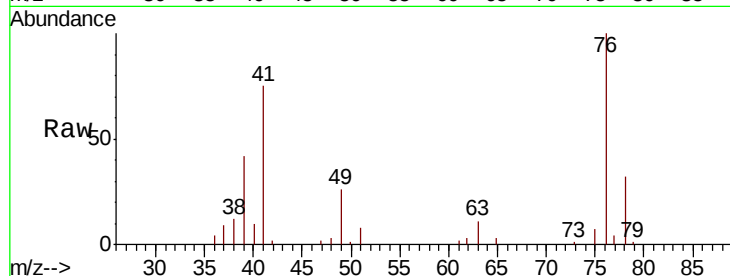
VSTDCCC050EC

Tgt Ion: 76 Resp: 67737

Ion Ratio Lower Upper

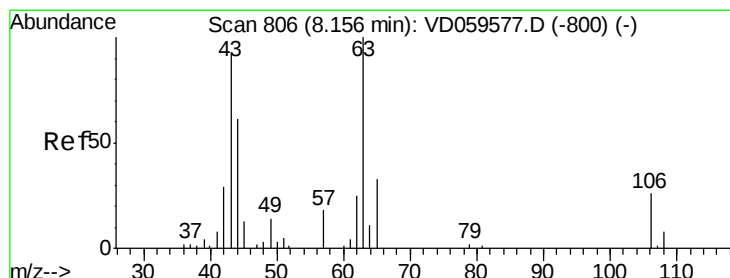
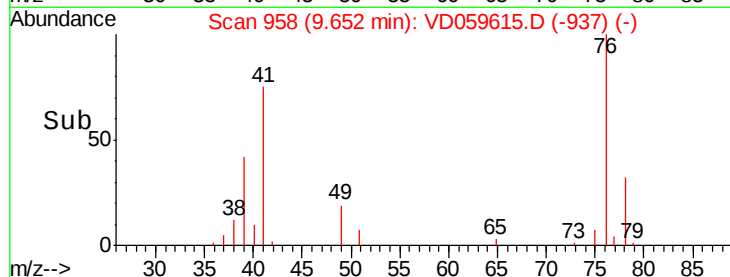
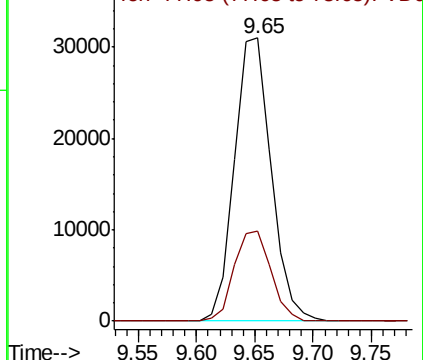
76 100

78 32.0 26.0 39.0



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: 211.030 ug/l

RT: 8.17 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD059615.D

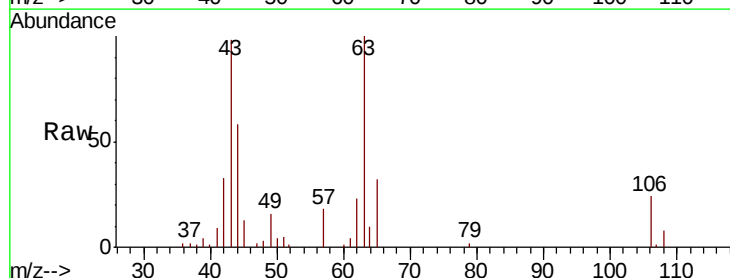
Acq: 26 Jul 2018 20:37

Tgt Ion: 63 Resp: 103054

Ion Ratio Lower Upper

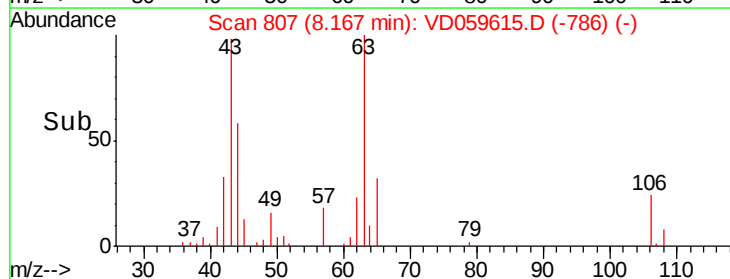
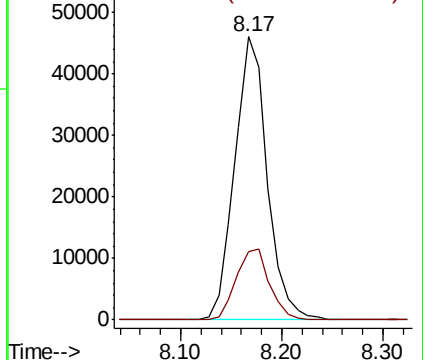
63 100

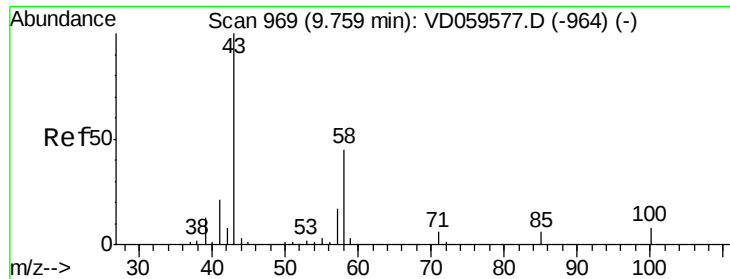
106 24.3 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

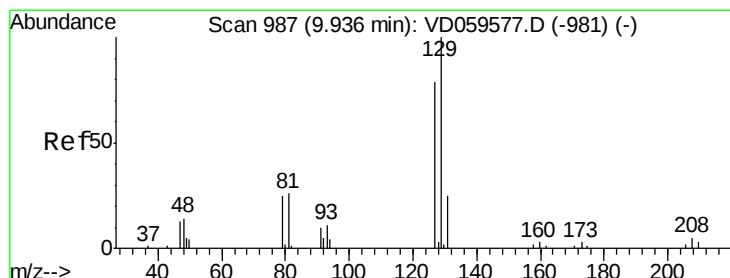
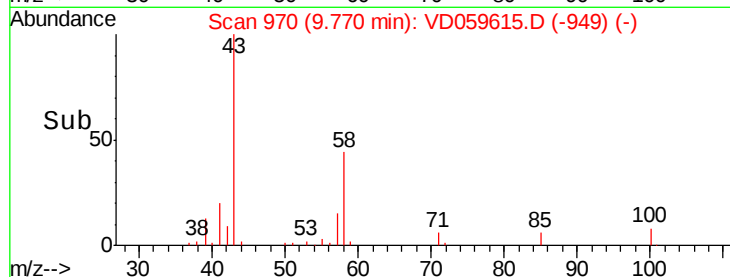
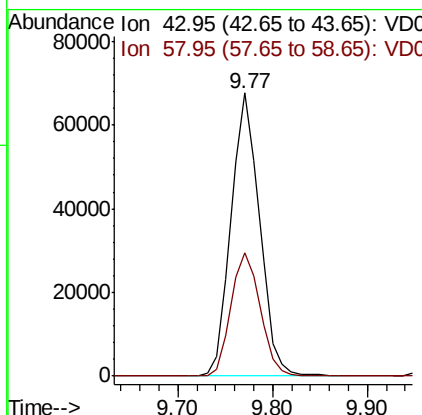
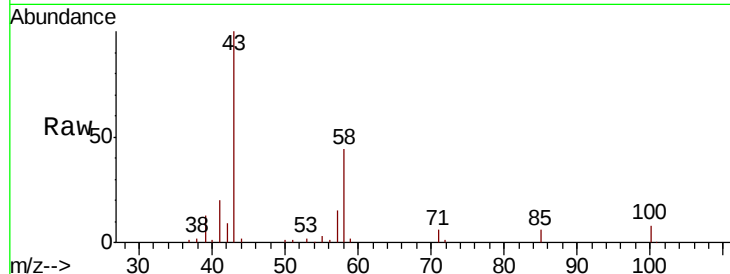




#59
2-Hexanone
Concen: 207.710 ug/l
RT: 9.77 min Scan# 970
Delta R.T. 0.01 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

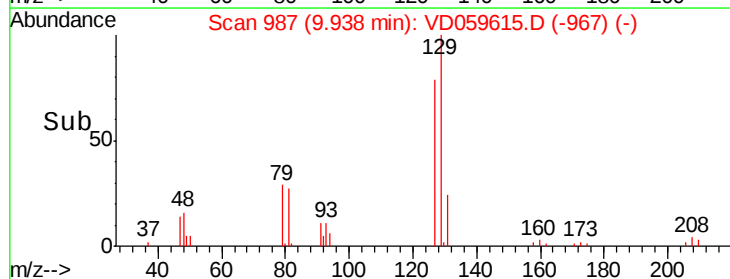
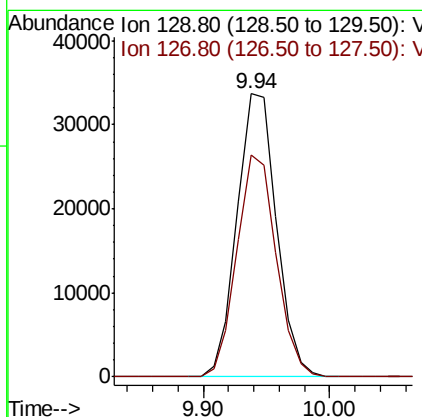
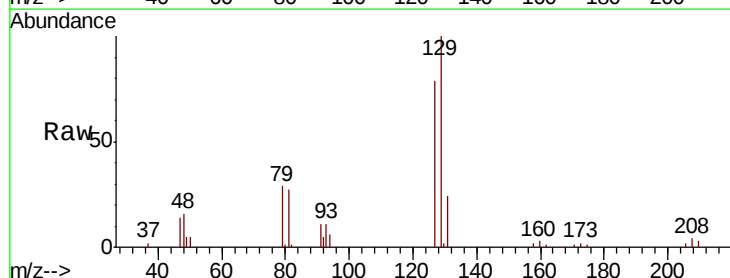
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

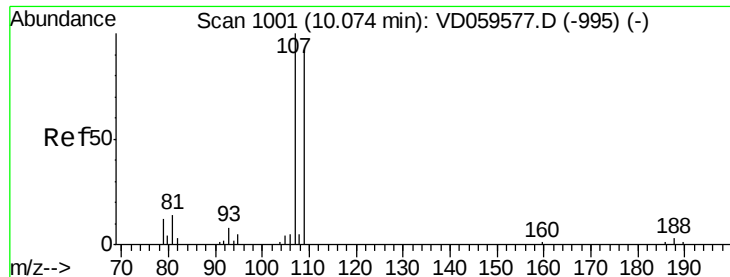
Tgt Ion: 43 Resp: 140913
Ion Ratio Lower Upper
43 100
58 43.6 22.7 68.1



#60
Dibromochloromethane
Concen: 48.062 ug/l
RT: 9.94 min Scan# 987
Delta R.T. 0.00 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Tgt Ion: 129 Resp: 73089
Ion Ratio Lower Upper
129 100
127 78.6 39.3 117.9





#61

1,2-Dibromoethane

Concen: 45.568 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

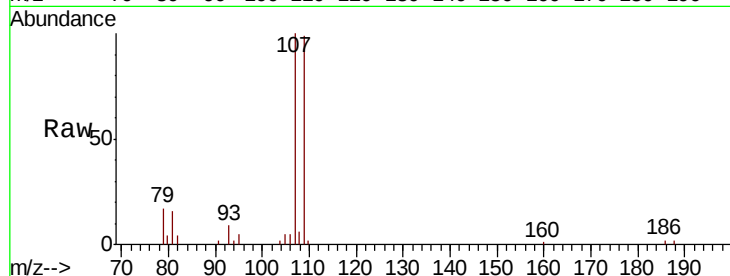
VSTDCCC050EC

Tgt Ion: 107 Resp: 49465

Ion Ratio Lower Upper

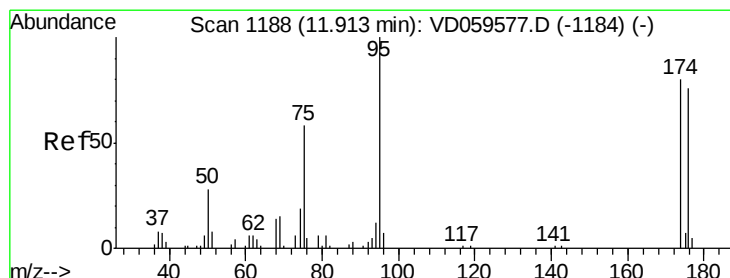
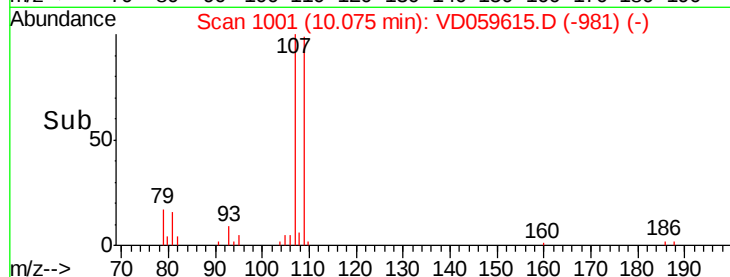
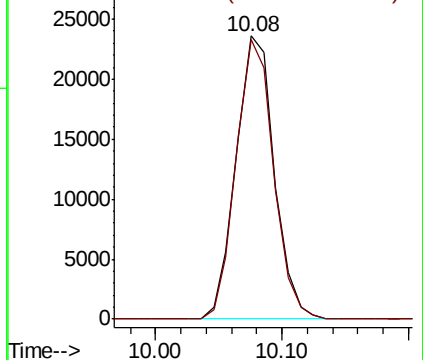
107 100

109 98.9 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 45.568 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

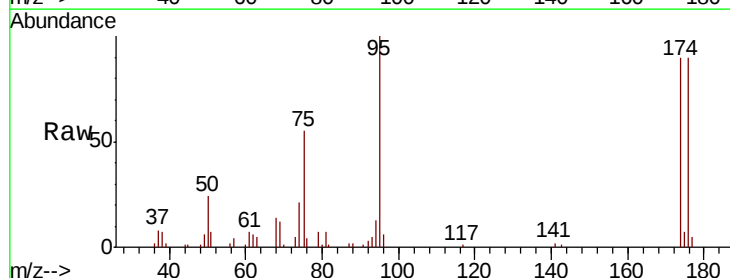
Tgt Ion: 95 Resp: 71240

Ion Ratio Lower Upper

95 100

174 89.6 0.0 160.6

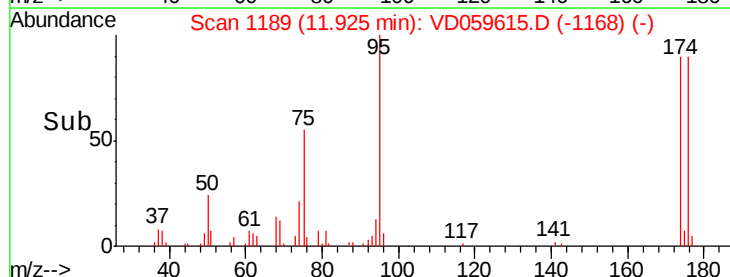
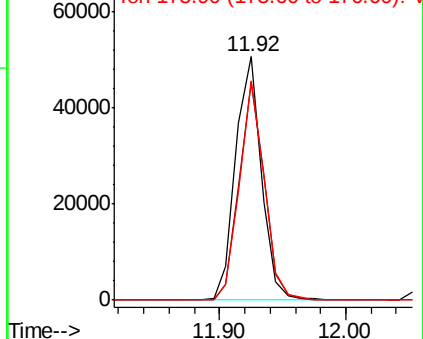
176 90.2 0.0 152.8

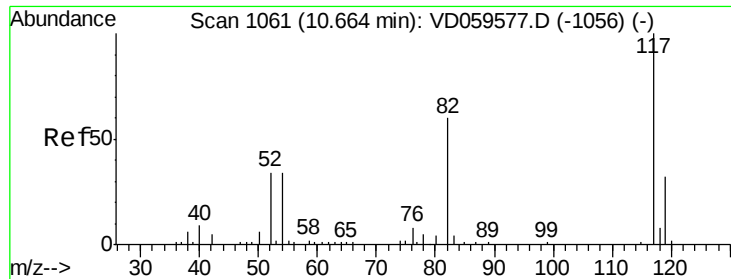


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

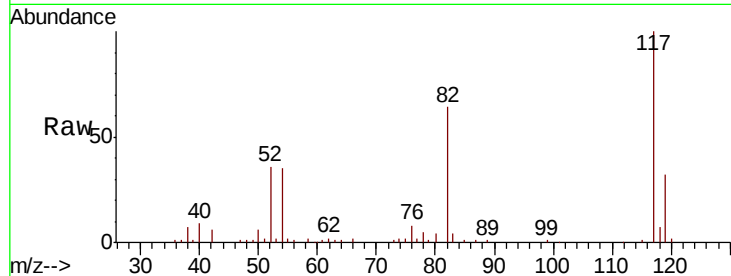




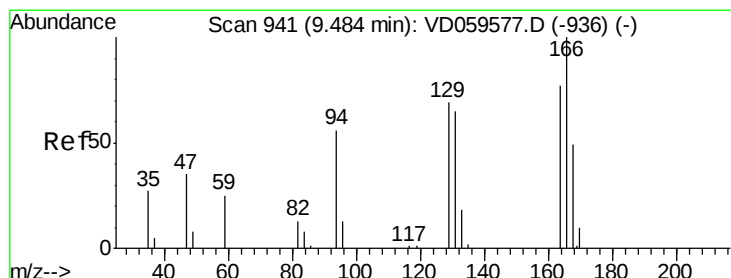
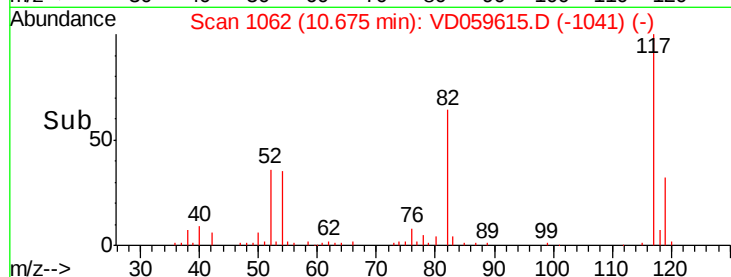
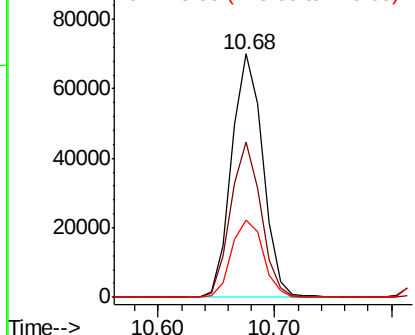
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 129590
Ion Ratio Lower Upper
117 100
82 63.7 48.2 72.2
119 31.8 25.4 38.2

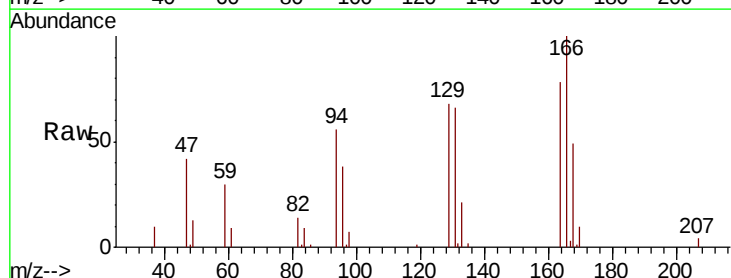


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

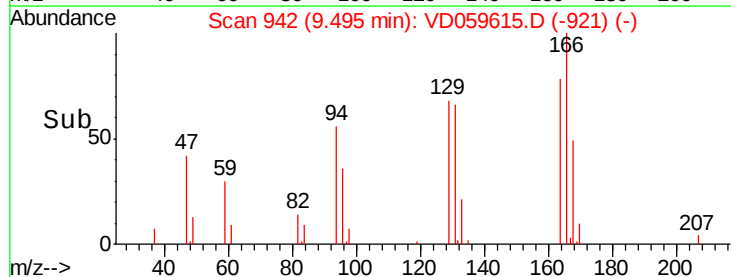
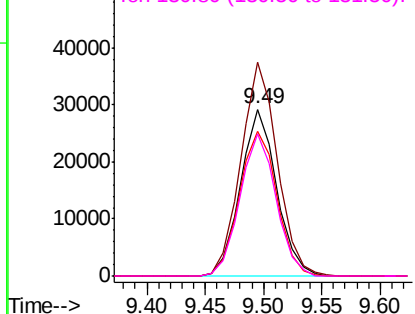


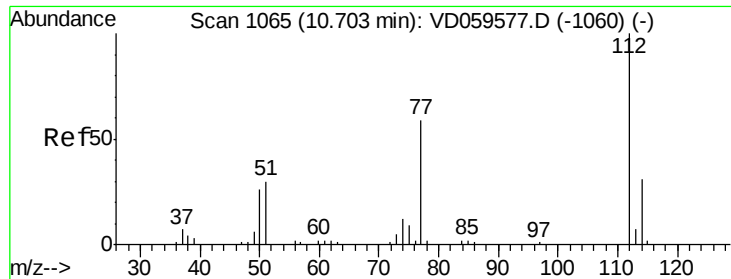
#64
Tetrachloroethene
Concen: 53.191 ug/l
RT: 9.49 min Scan# 942
Delta R.T. 0.01 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Tgt Ion:164 Resp: 62465
Ion Ratio Lower Upper
164 100
166 128.3 104.0 156.0
129 87.1 72.2 108.4
131 85.0 67.7 101.5



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

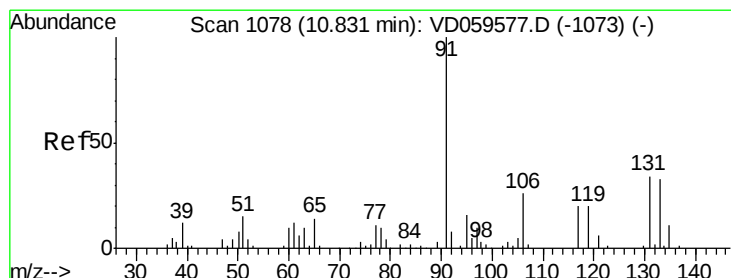
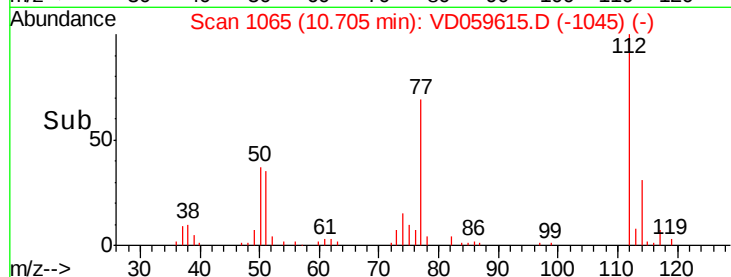
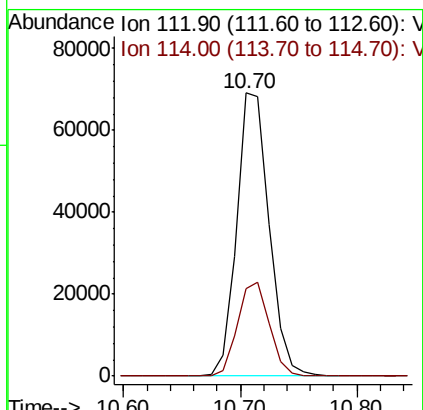
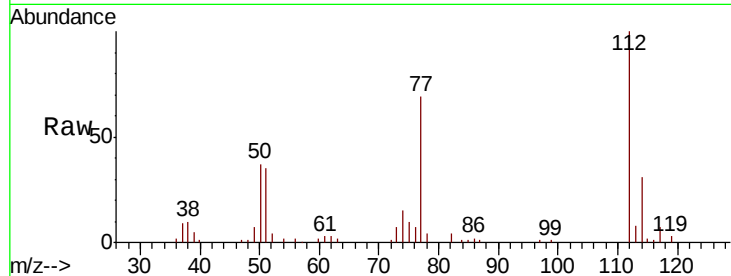




#65
Chlorobenzene
Concen: 49.928 ug/l
RT: 10.70 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

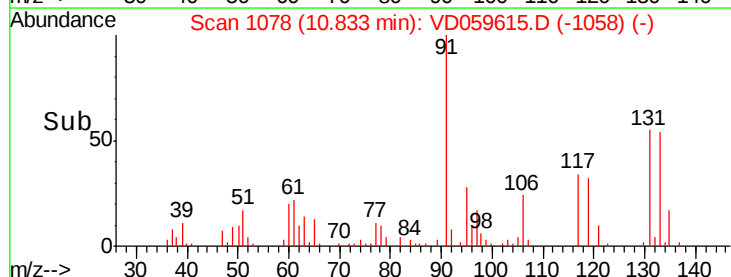
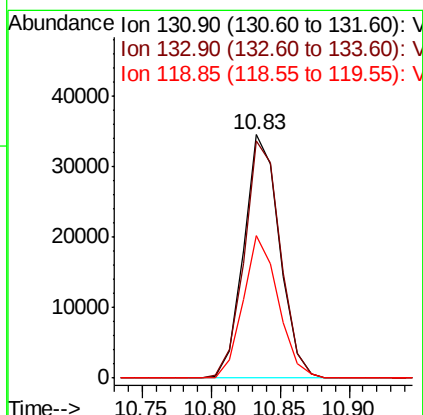
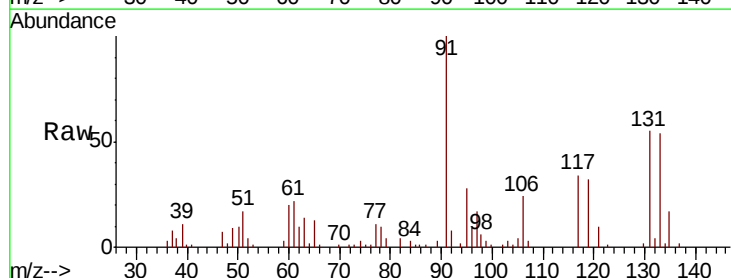
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

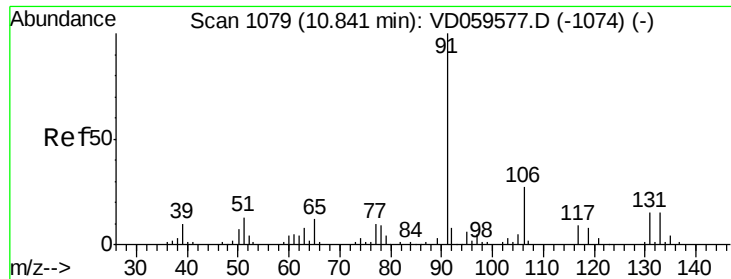
Tgt Ion:112 Resp: 132634
Ion Ratio Lower Upper
112 100
114 31.0 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.906 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Tgt Ion:131 Resp: 62291
Ion Ratio Lower Upper
131 100
133 97.7 47.9 143.7
119 58.5 28.7 86.1

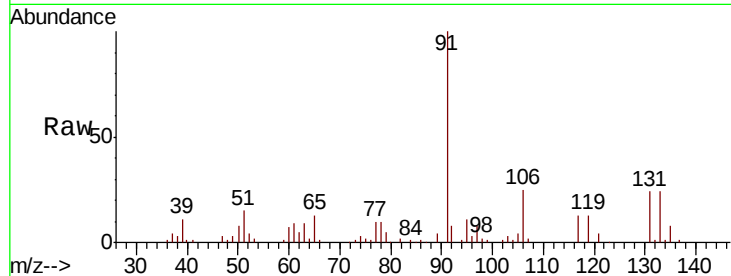




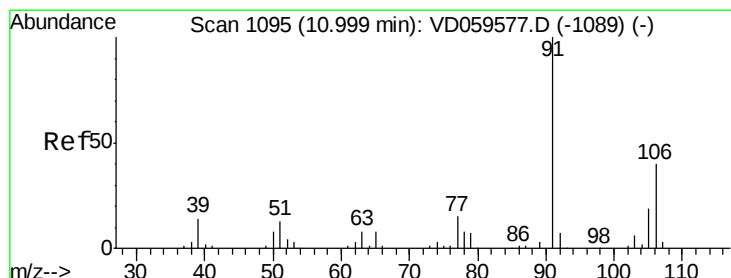
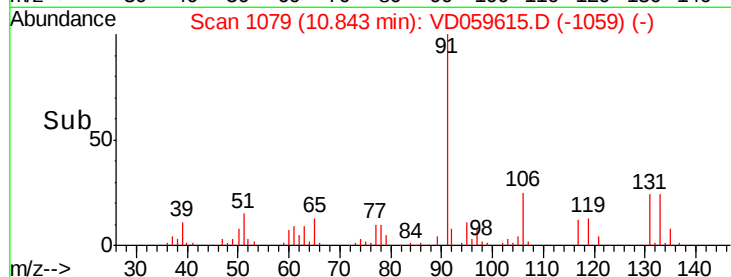
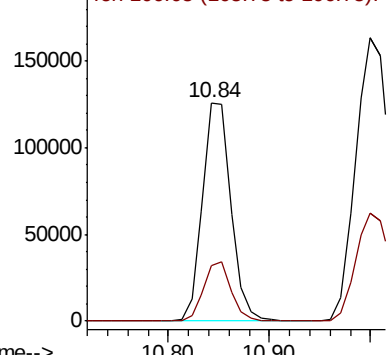
#67
Ethyl Benzene
Concen: 54.065 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 246893
Ion Ratio Lower Upper
91 100
106 25.4 21.6 32.4

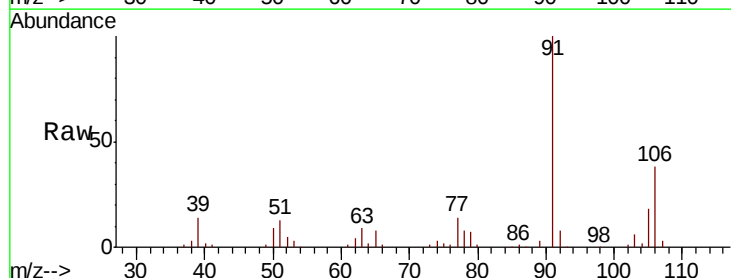


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

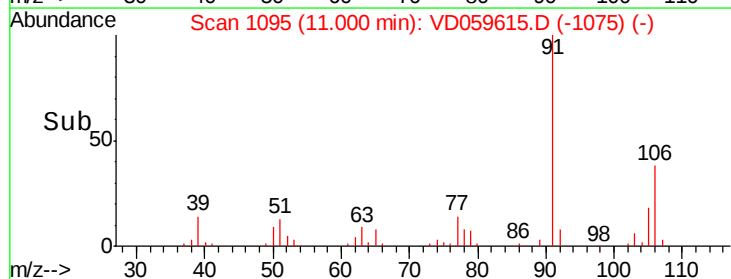
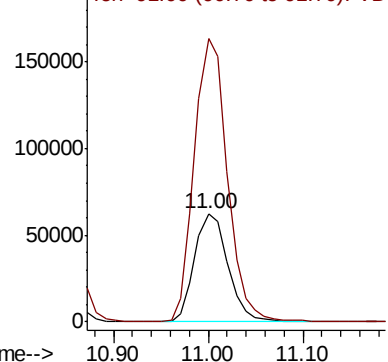


#68
m/p-Xylenes
Concen: 100.259 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Tgt Ion: 106 Resp: 152908
Ion Ratio Lower Upper
106 100
91 261.5 198.2 297.4



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

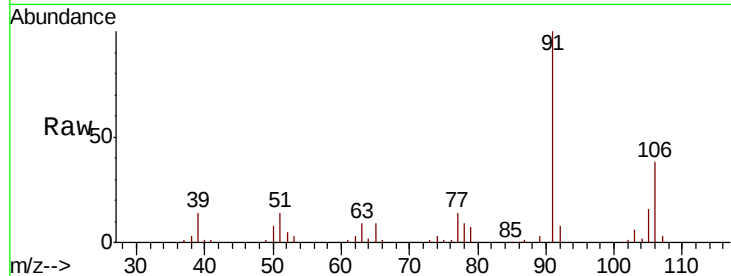




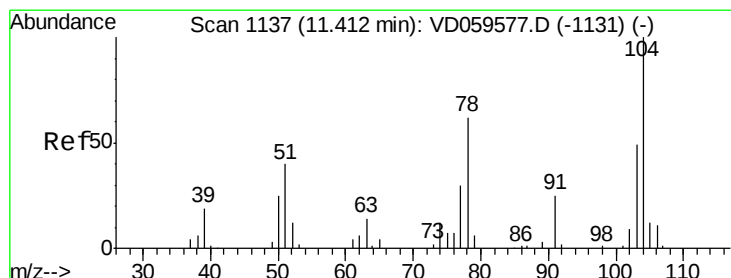
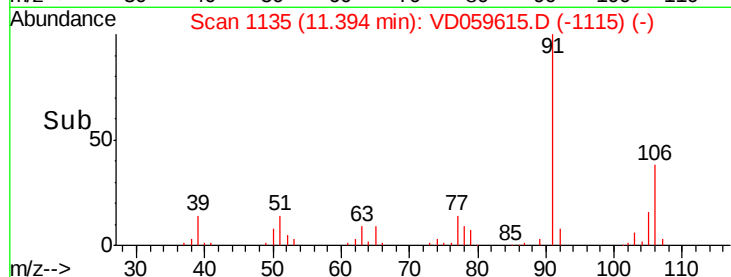
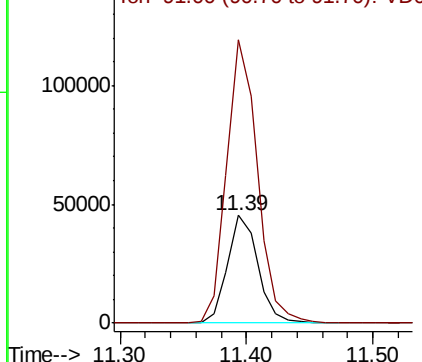
#69
o-Xylene
Concen: 51.265 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. 0.00 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 75867
Ion Ratio Lower Upper
106 100
91 262.7 122.7 368.1

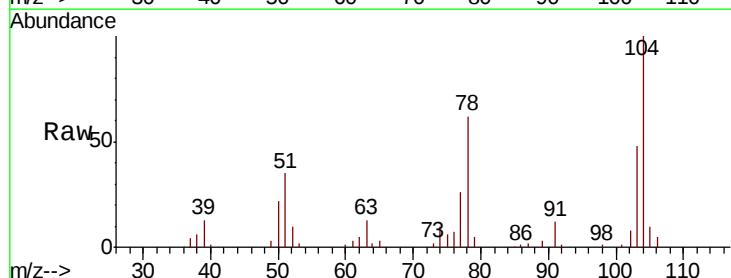


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

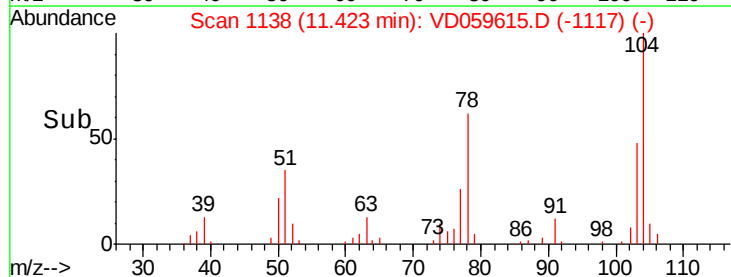
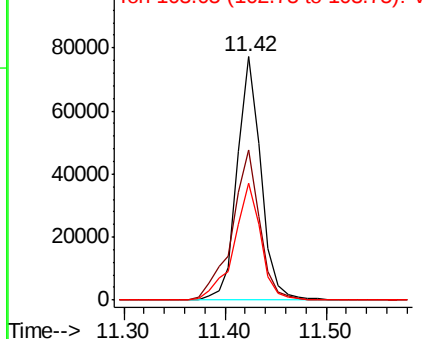


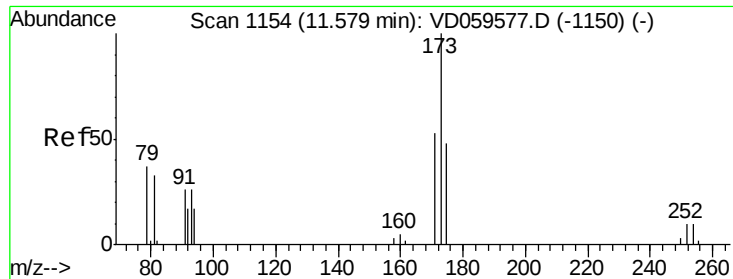
#70
Styrene
Concen: 51.254 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Tgt Ion:104 Resp: 125765
Ion Ratio Lower Upper
104 100
78 61.6 49.4 74.0
103 48.0 39.0 58.6



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: 50.740 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

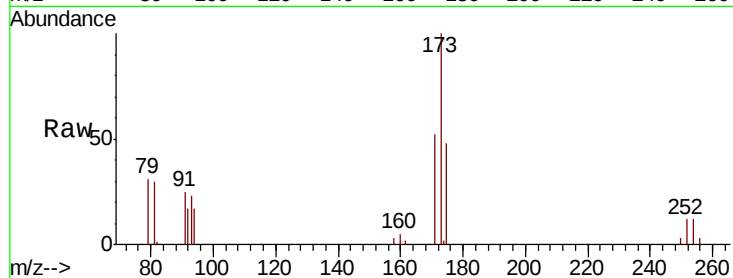
Tgt Ion:173 Resp: 47743

Ion Ratio Lower Upper

173 100

175 48.1 23.8 71.4

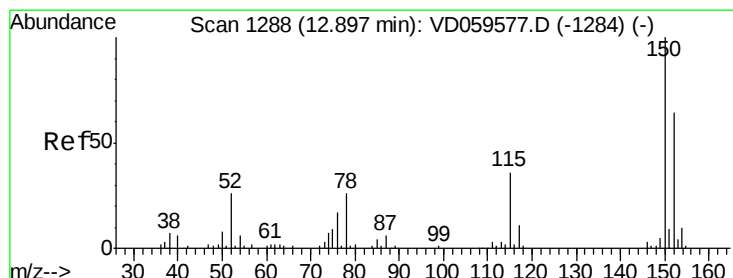
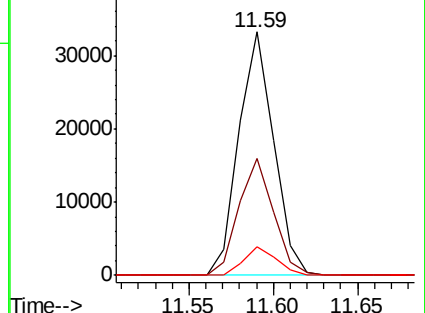
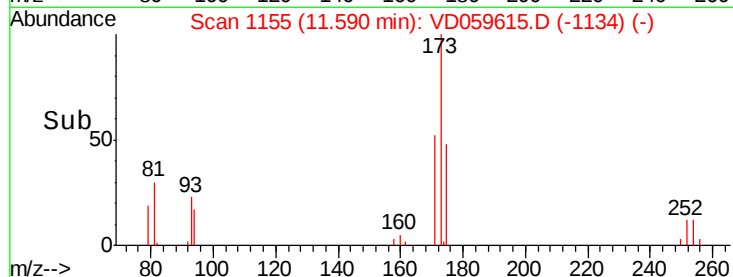
254 11.5 7.8 11.6



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: 12.90 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

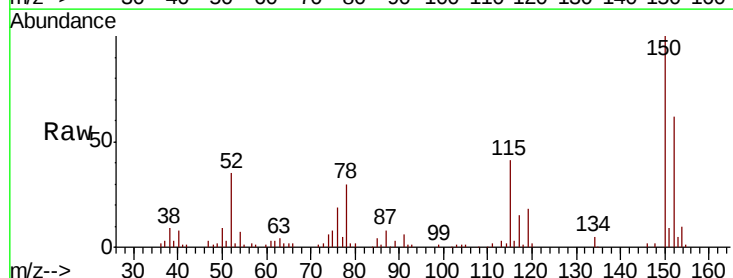
Tgt Ion:152 Resp: 66240

Ion Ratio Lower Upper

152 100

115 66.7 29.5 88.6

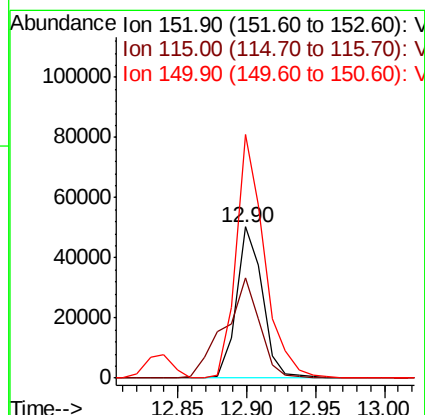
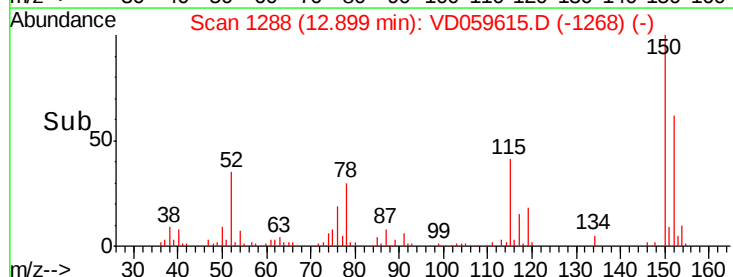
150 161.0 0.0 314.4

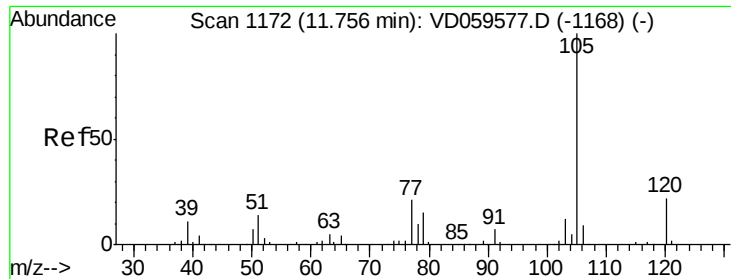


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.922 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

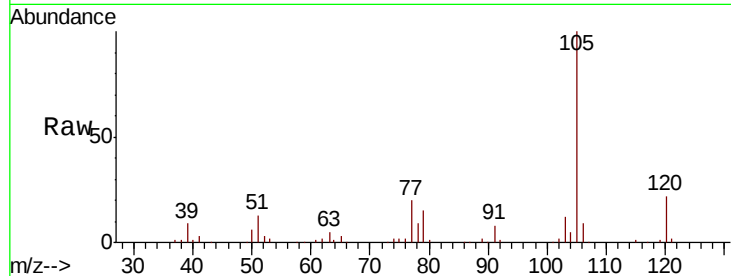
VSTDCCC050EC

Tgt Ion: 105 Resp: 224251

Ion Ratio Lower Upper

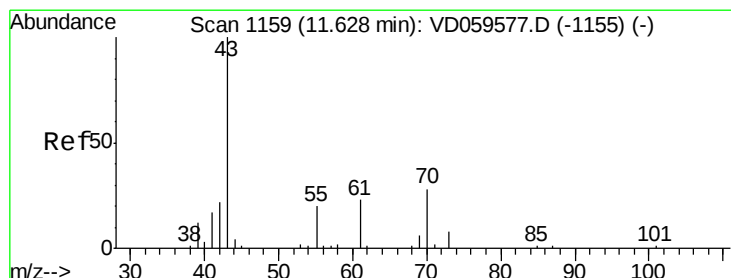
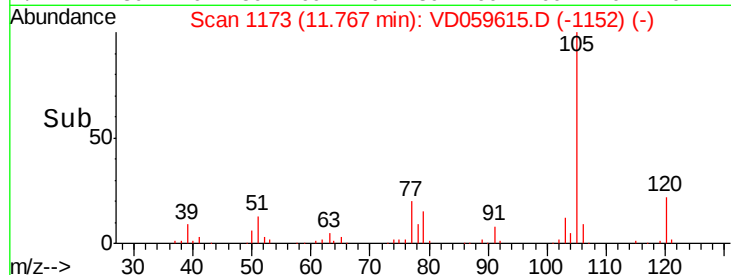
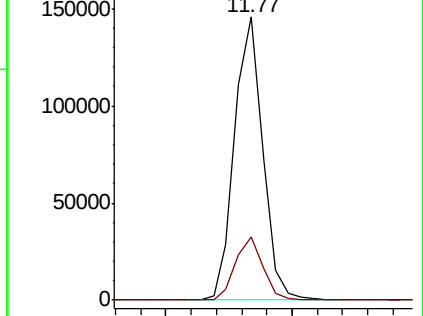
105 100

120 22.3 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 45.330 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Tgt Ion: 43 Resp: 72679

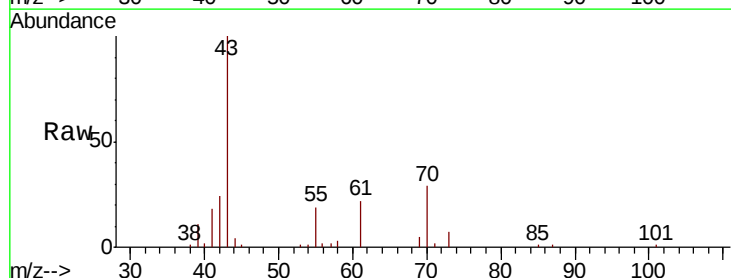
Ion Ratio Lower Upper

43 100

70 29.0 22.0 33.0

55 18.7 16.2 24.2

61 21.5 18.6 27.8

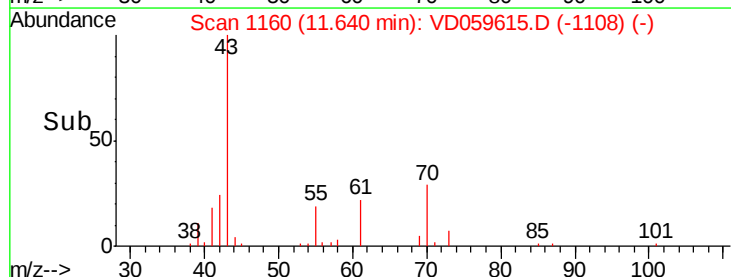
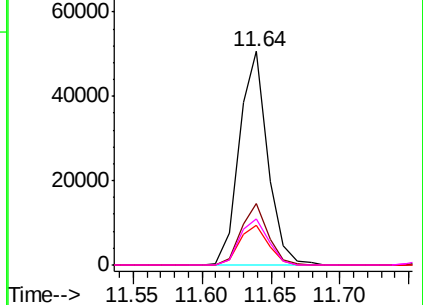


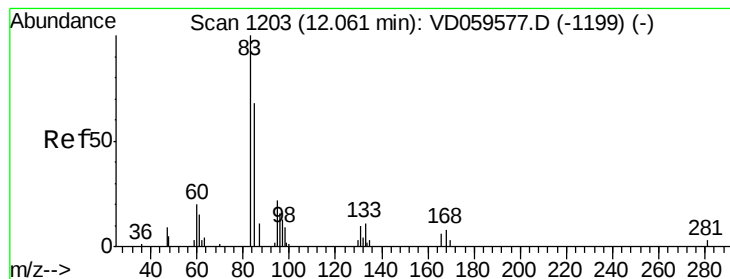
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 49.876 ug/l

RT: 12.06 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

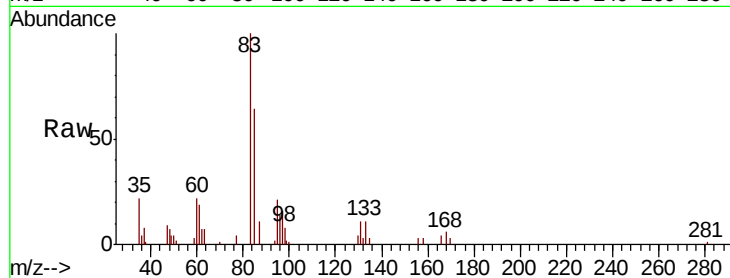
Tgt Ion: 83 Resp: 47651

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.2

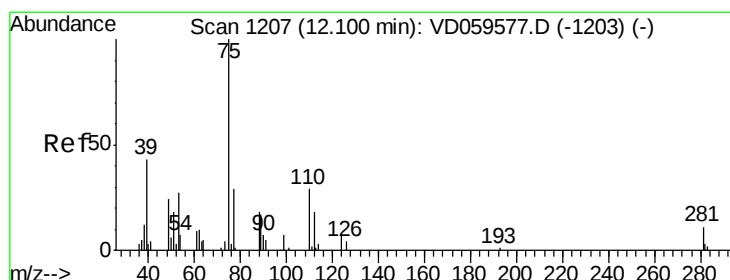
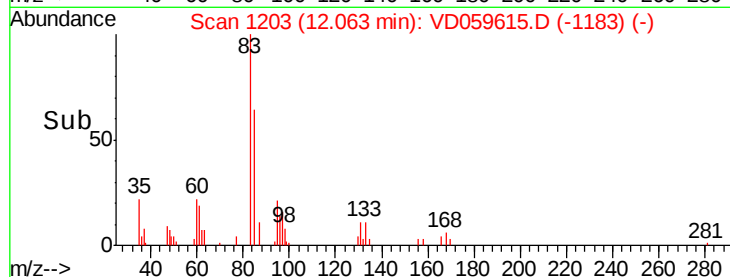
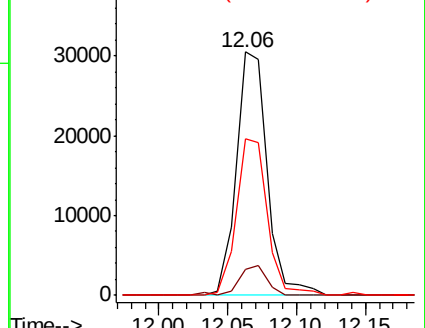
85 64.4 34.1 102.3



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: 47.439 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VD059615.D

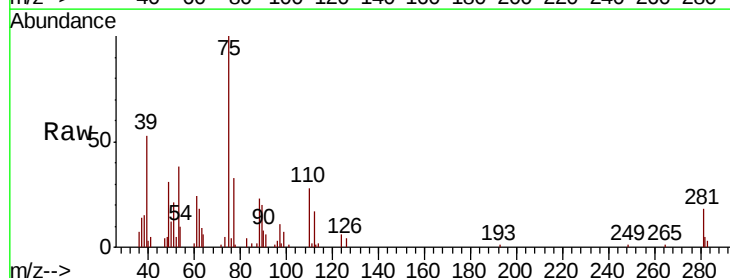
Acq: 26 Jul 2018 20:37

Tgt Ion: 75 Resp: 51965

Ion Ratio Lower Upper

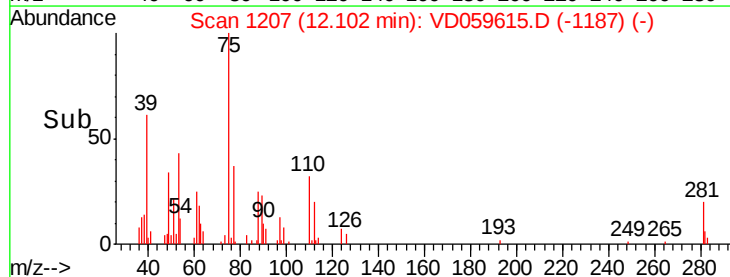
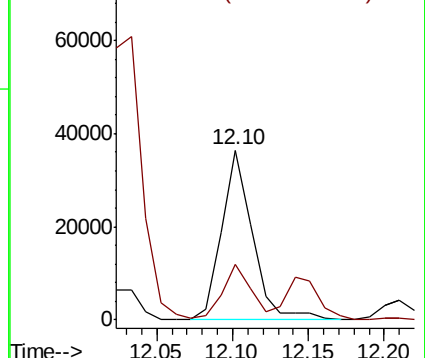
75 100

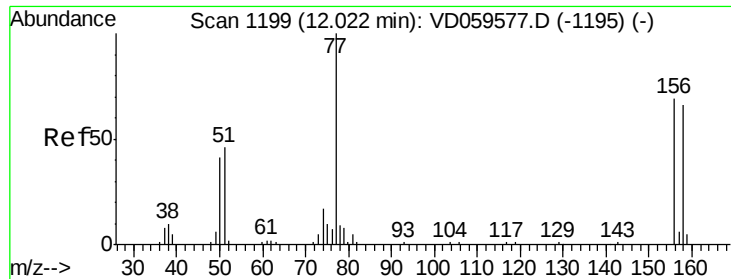
77 32.5 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.803 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

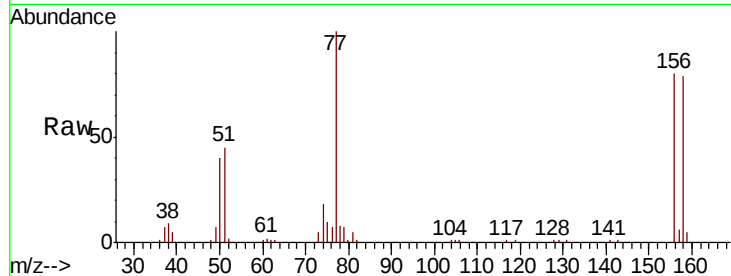
Tgt Ion:156 Resp: 69593

Ion Ratio Lower Upper

156 100

77 125.3 72.4 217.2

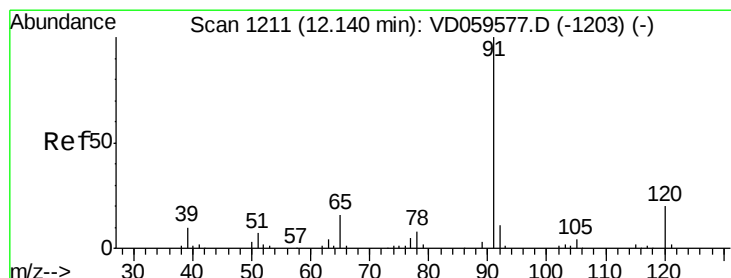
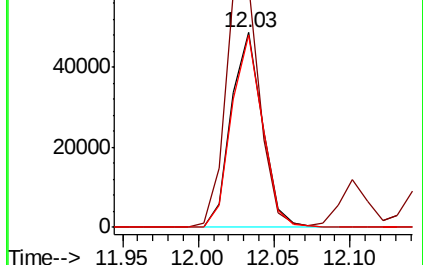
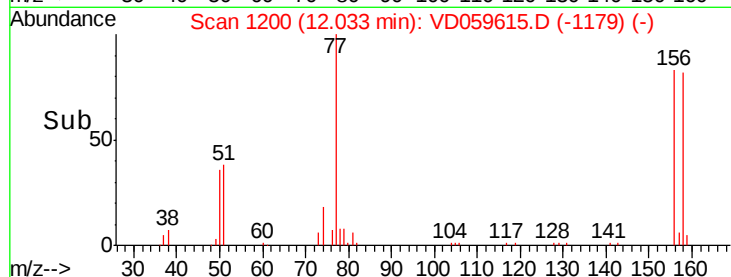
158 98.8 48.0 144.2



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: 49.549 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD059615.D

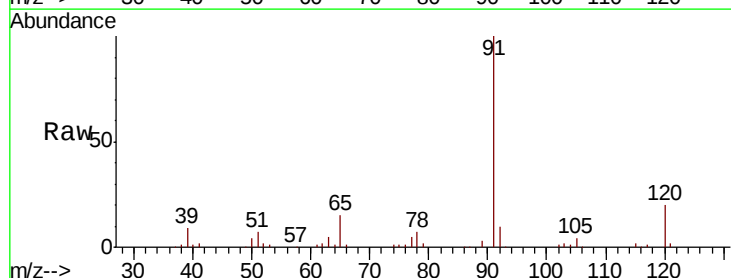
Acq: 26 Jul 2018 20:37

Tgt Ion: 91 Resp: 281725

Ion Ratio Lower Upper

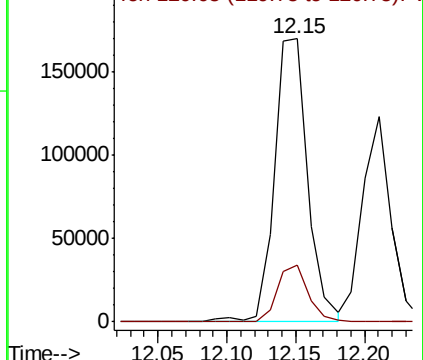
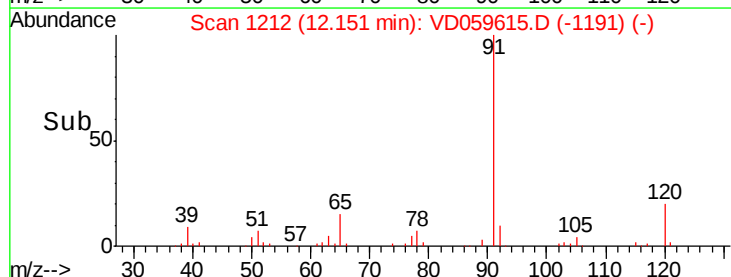
91 100

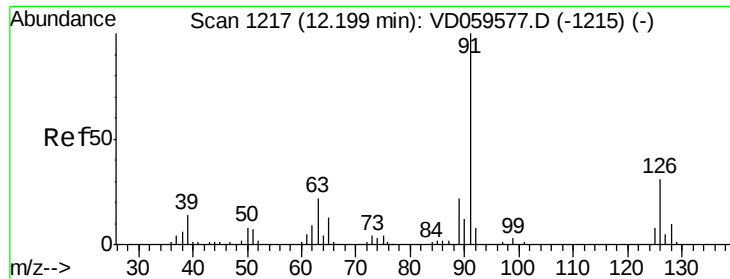
120 20.2 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

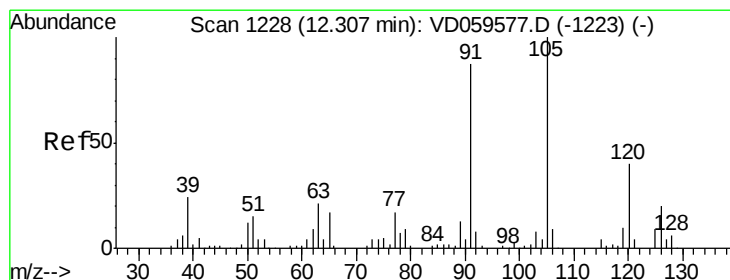
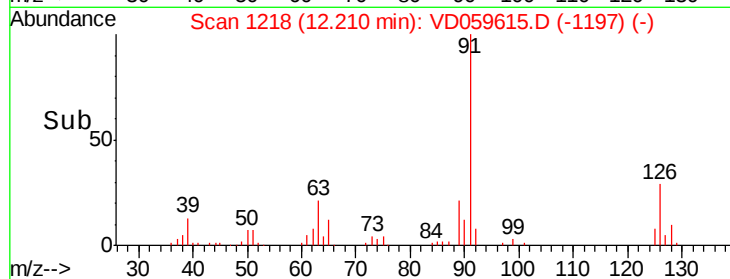
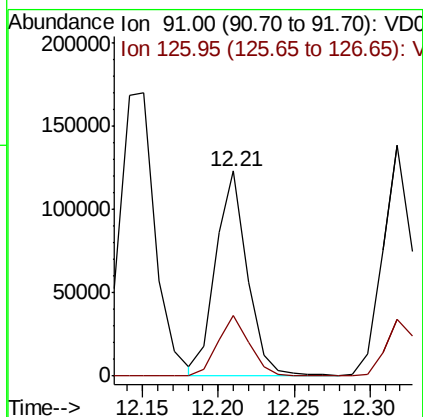
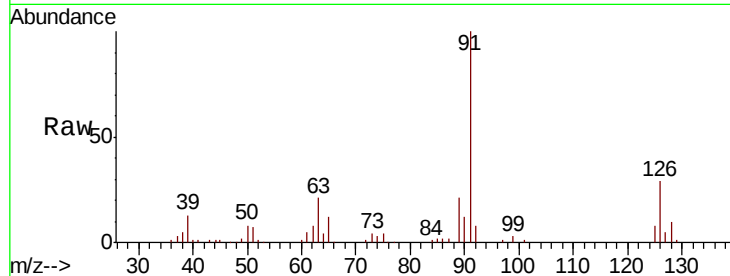




#79
 2-Chlorotoluene
 Concen: 52.116 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

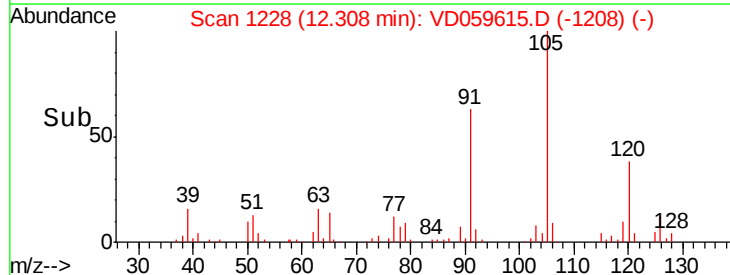
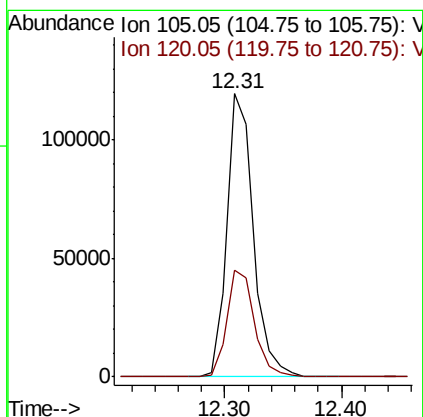
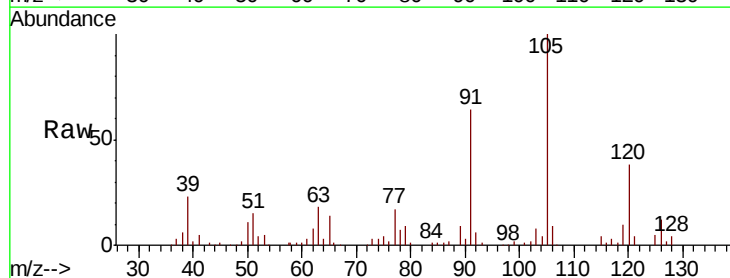
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

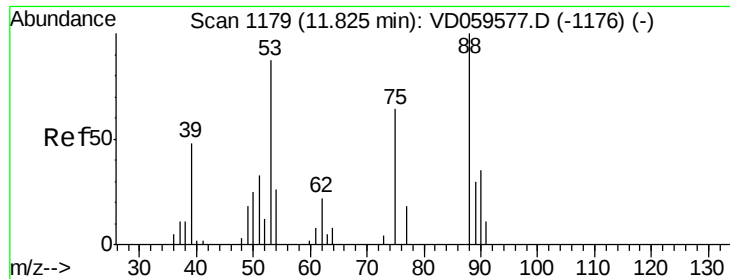
Tgt Ion: 91 Resp: 176665
 Ion Ratio Lower Upper
 91 100
 126 29.5 14.5 43.6



#80
 1,3,5-Trimethylbenzene
 Concen: 50.636 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Tgt Ion: 105 Resp: 187082
 Ion Ratio Lower Upper
 105 100
 120 37.6 19.9 59.6





#81

trans-1,4-Dichloro-2-butene

Concen: 45.204 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

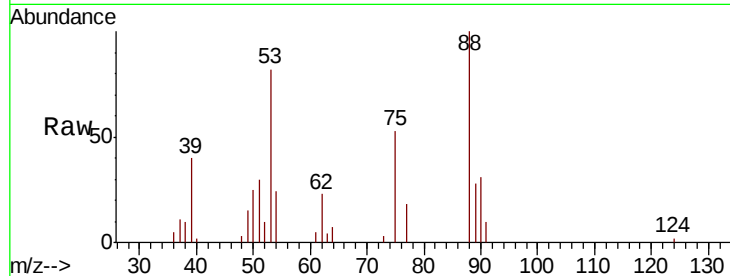
Tgt Ion: 75 Resp: 12660

Ion Ratio Lower Upper

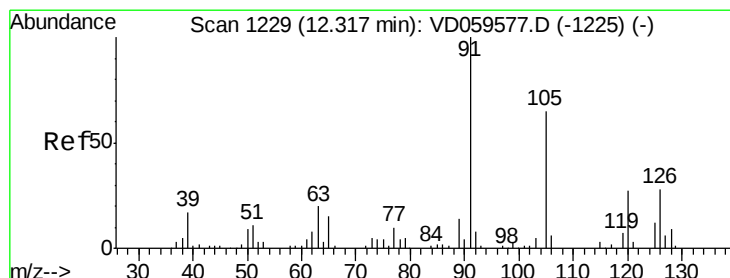
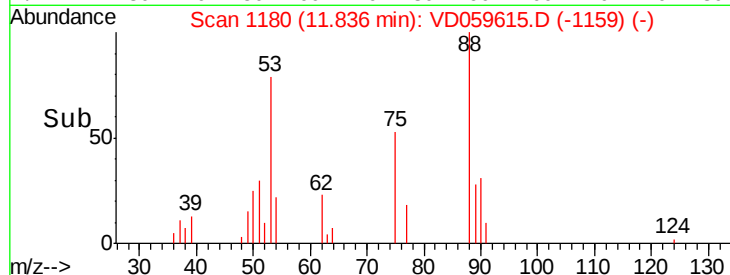
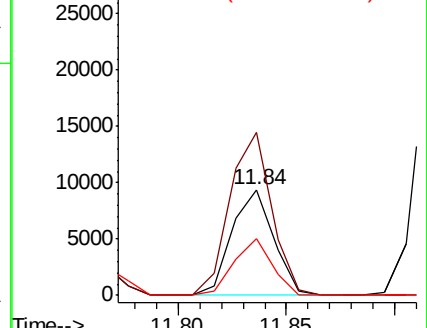
75 100

53 154.4 107.7 161.5

89 53.9 37.3 55.9



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: 51.247 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD059615.D

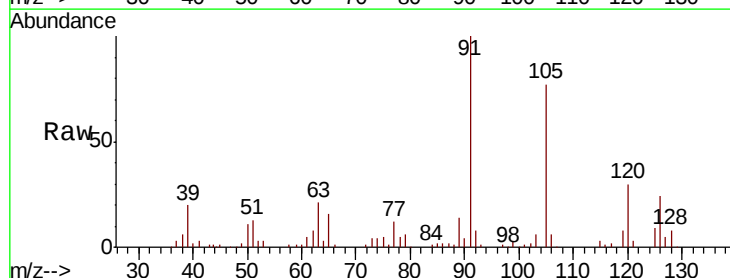
Acq: 26 Jul 2018 20:37

Tgt Ion: 91 Resp: 196455

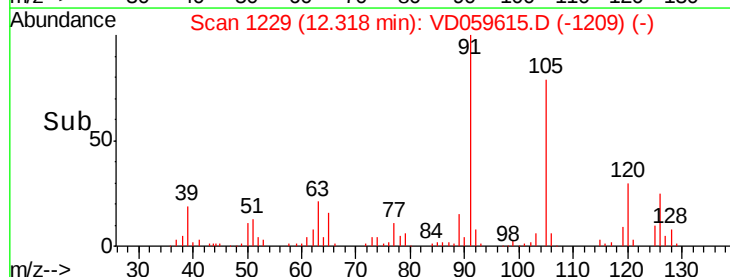
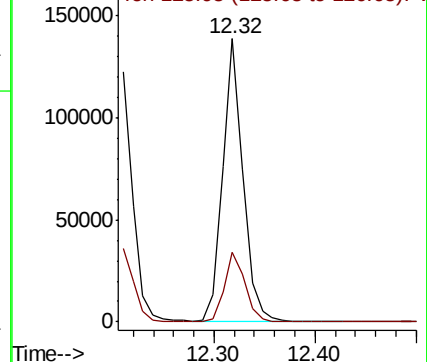
Ion Ratio Lower Upper

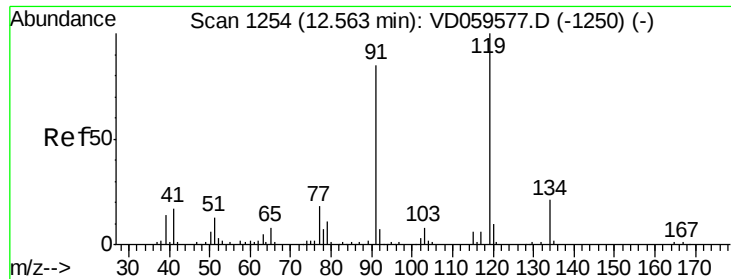
91 100

126 24.4 14.1 42.4



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





#83

tert-Butylbenzene

Concen: 48.775 ug/l

RT: 12.56 min Scan# 1254

Delta R.T. 0.00 min

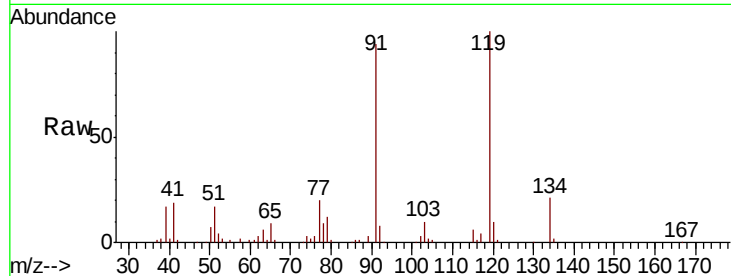
Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 202875

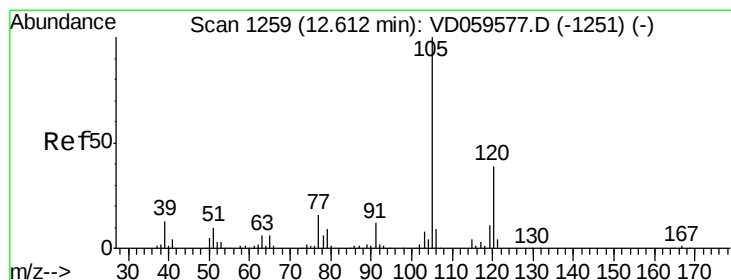
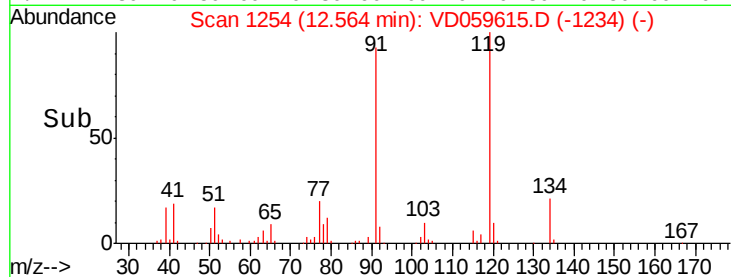
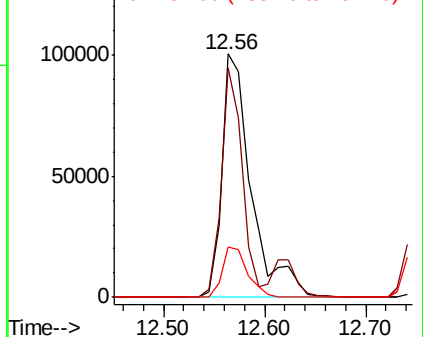
Ion	Ratio	Lower	Upper
119	100		
91	94.0	42.5	127.5
134	20.7	10.5	31.6



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: 48.844 ug/l

RT: 12.62 min Scan# 1260

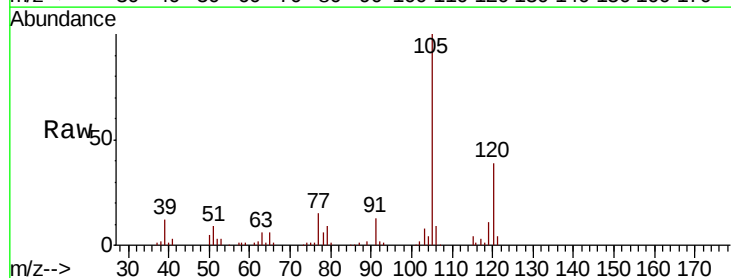
Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

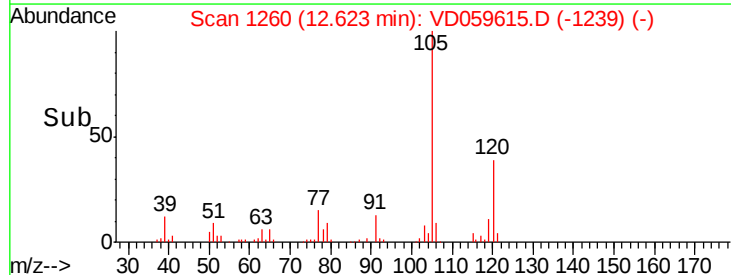
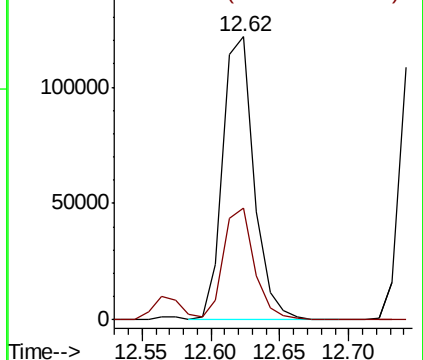
Tgt Ion:105 Resp: 191829

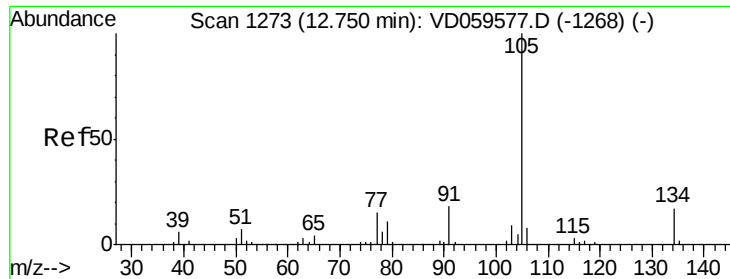
Ion	Ratio	Lower	Upper
105	100		
120	39.3	19.3	57.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

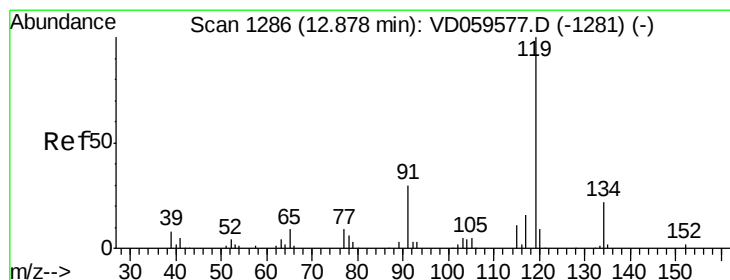
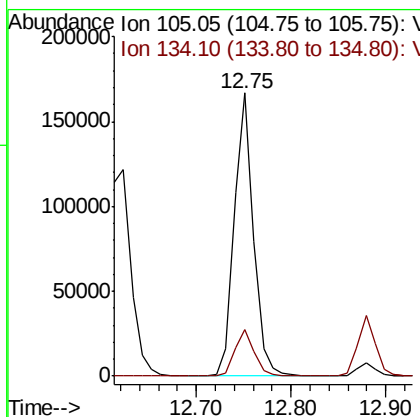
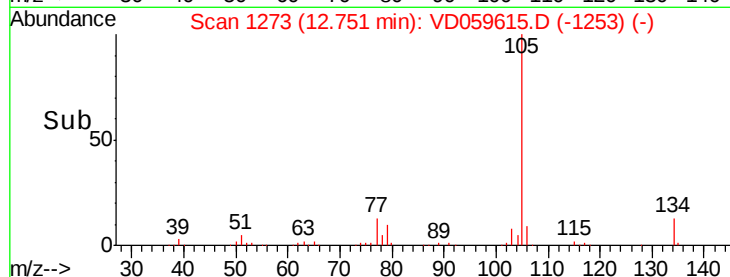
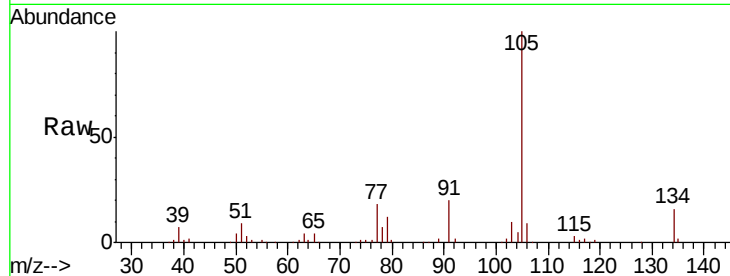




#85
 sec-Butylbenzene
 Concen: 49.256 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

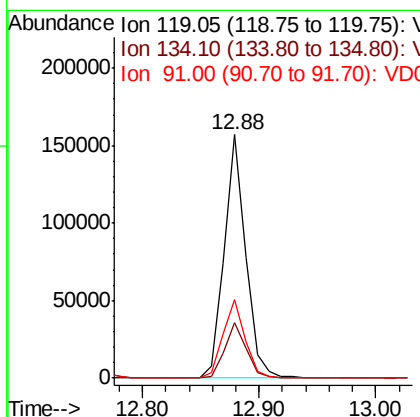
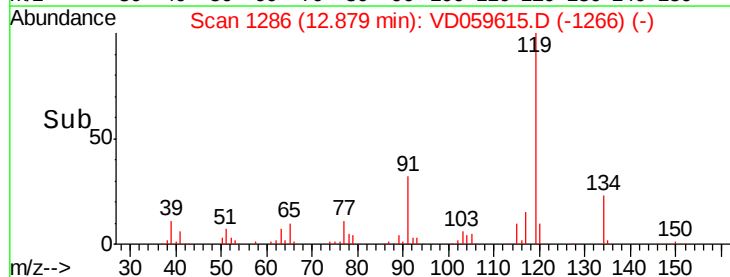
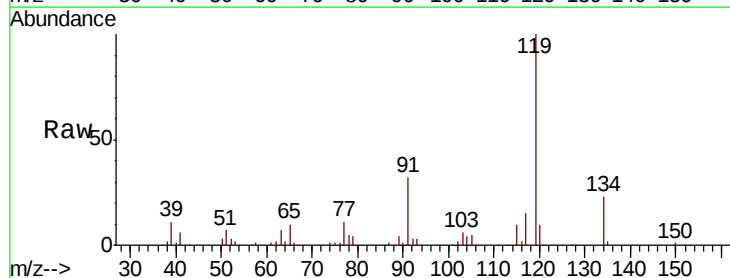
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

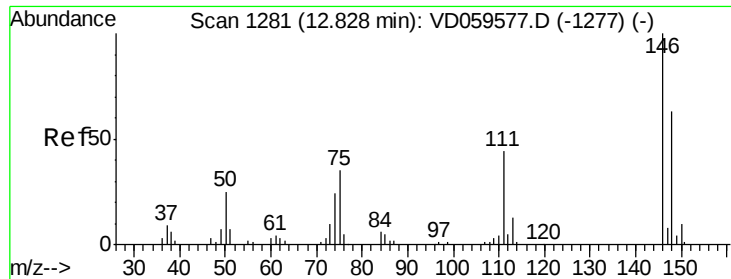
Tgt Ion:105 Resp: 234115
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 49.989 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Tgt Ion:119 Resp: 200242
 Ion Ratio Lower Upper
 119 100
 134 22.9 11.2 33.6
 91 32.1 15.0 45.1

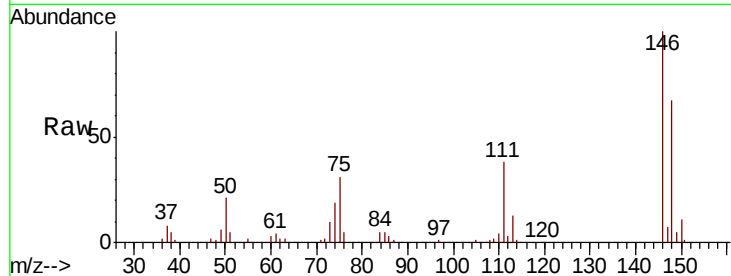




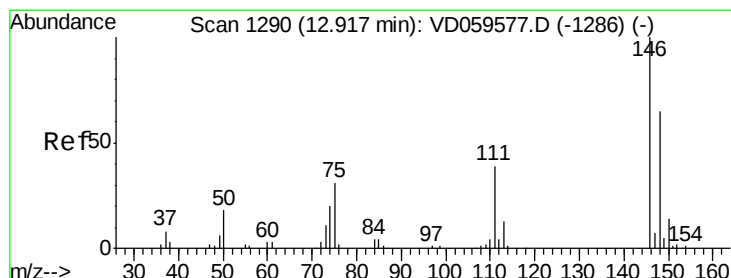
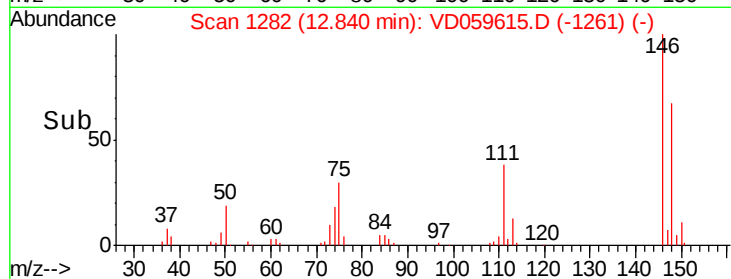
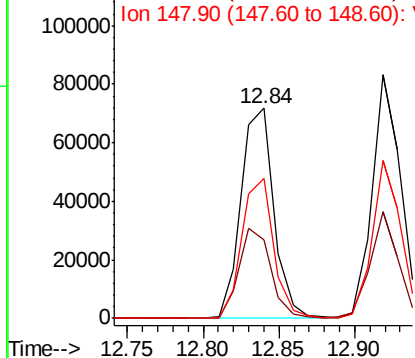
#87
 1,3-Dichlorobenzene
 Concen: 46.585 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:146 Resp: 107929
 Ion Ratio Lower Upper
 146 100
 111 37.6 22.2 66.6
 148 66.6 31.8 95.3

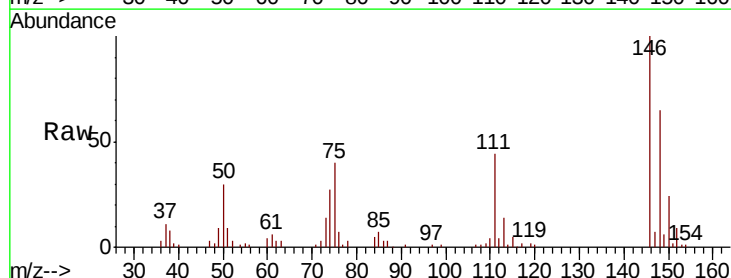


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

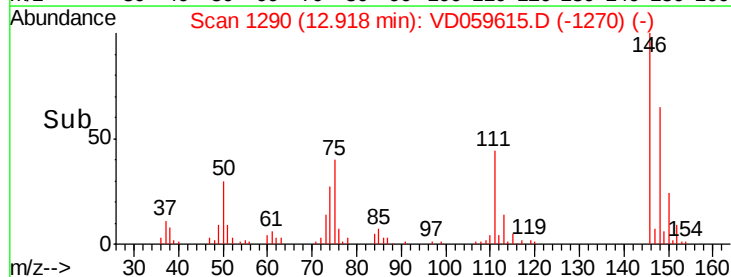
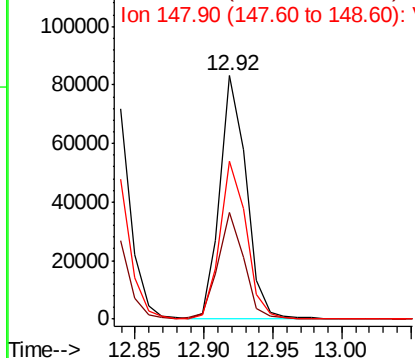


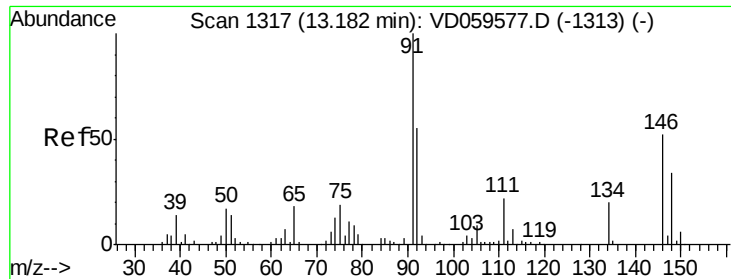
#88
 1,4-Dichlorobenzene
 Concen: 49.596 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Tgt Ion:146 Resp: 110702
 Ion Ratio Lower Upper
 146 100
 111 43.6 19.3 57.9
 148 65.1 32.4 97.2



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





#89

n-Butylbenzene

Concen: 49.359 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD059615.D

Acq: 26 Jul 2018 20:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

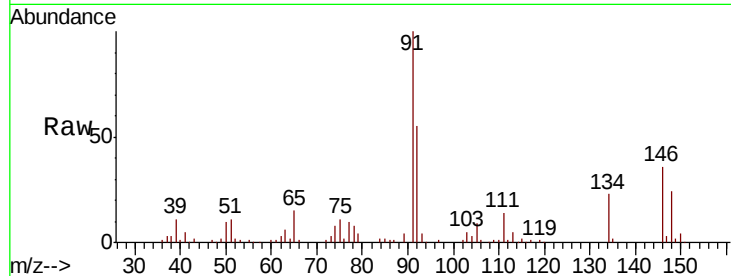
Tgt Ion: 91 Resp: 190890

Ion Ratio Lower Upper

91 100

92 54.9 27.6 82.7

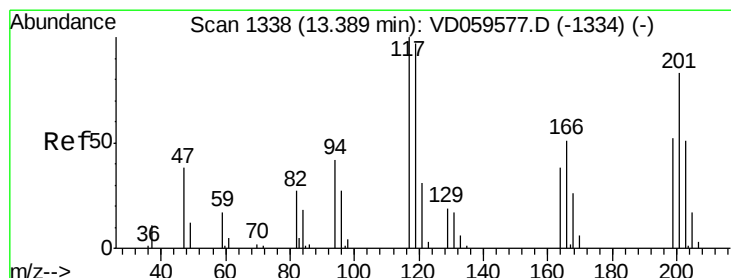
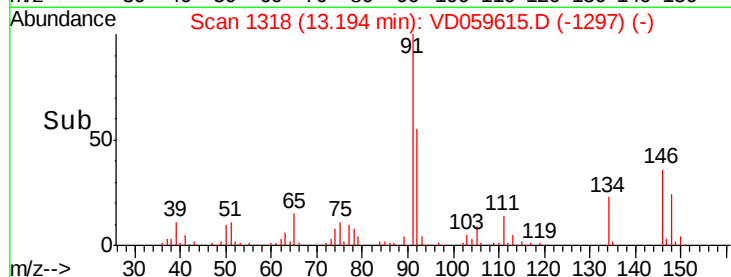
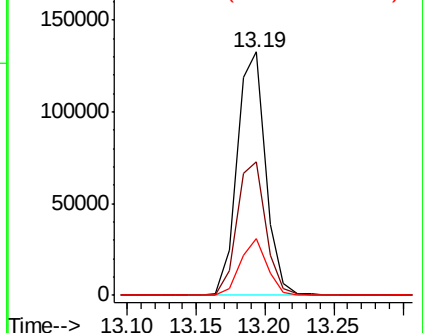
134 23.4 10.1 30.3



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: 52.348 ug/l

RT: 13.39 min Scan# 1338

Delta R.T. 0.00 min

Lab File: VD059615.D

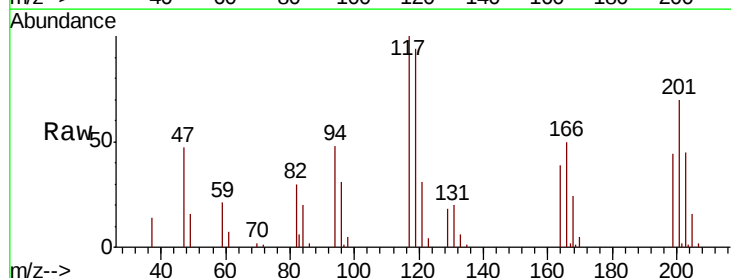
Acq: 26 Jul 2018 20:37

Tgt Ion: 117 Resp: 56033

Ion Ratio Lower Upper

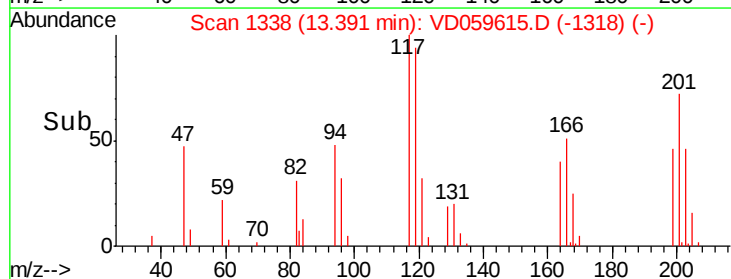
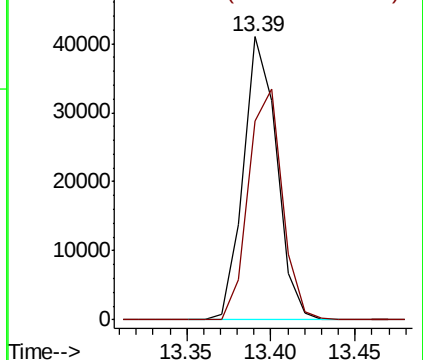
117 100

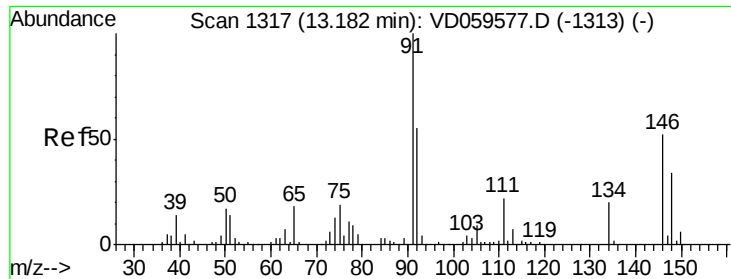
201 70.1 41.5 124.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

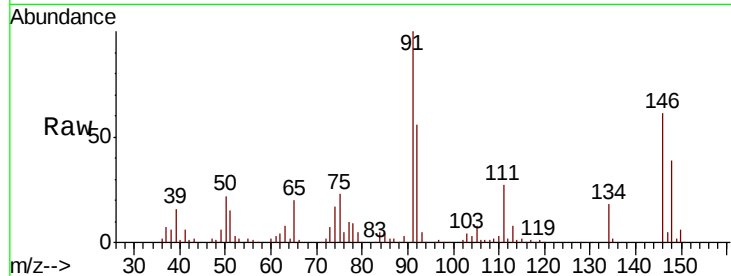




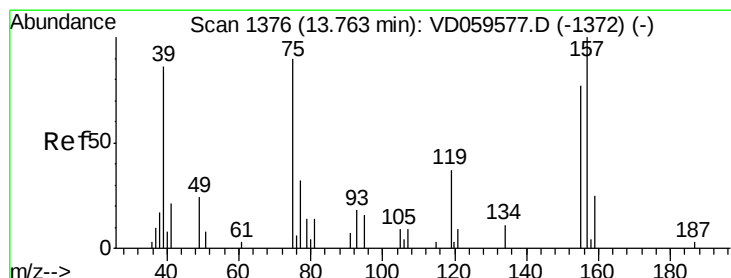
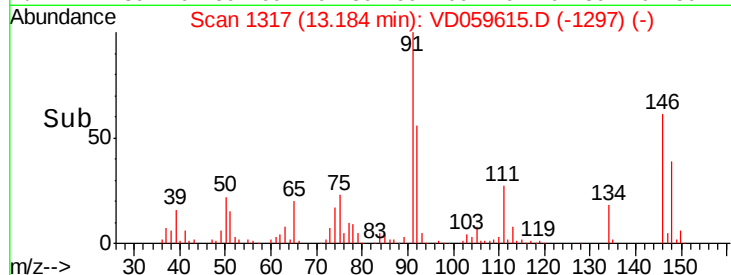
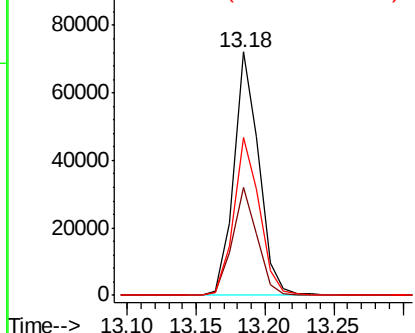
#91
 1,2-Dichlorobenzene
 Concen: 46.890 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:146 Resp: 91151
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.4 64.3
 148 64.9 32.6 98.0

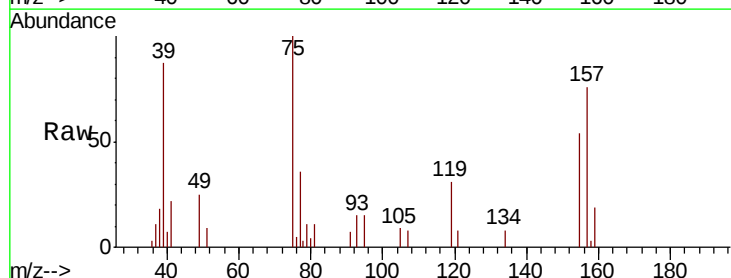


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

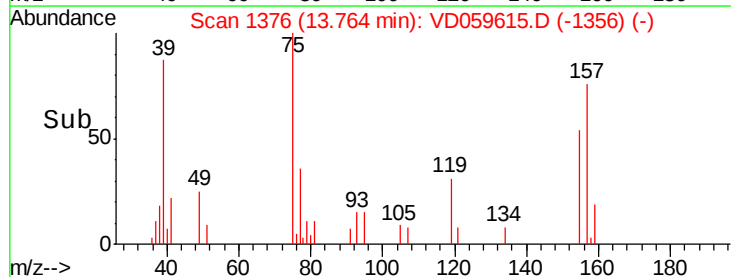
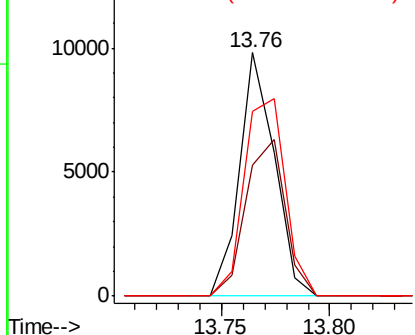


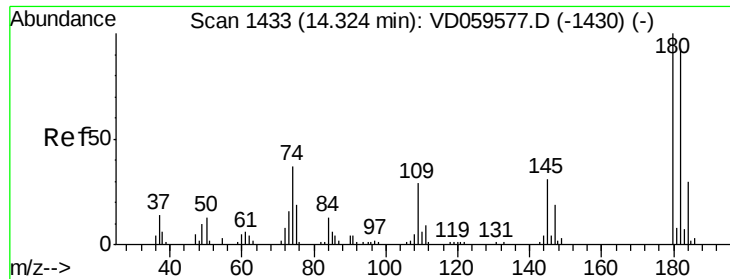
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.640 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Tgt Ion: 75 Resp: 11102
 Ion Ratio Lower Upper
 75 100
 155 53.6 42.5 127.5
 157 76.0 55.5 166.3



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

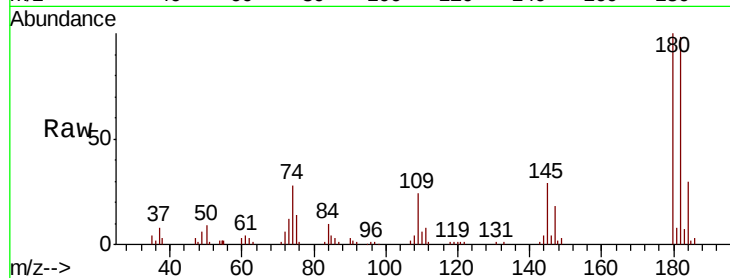




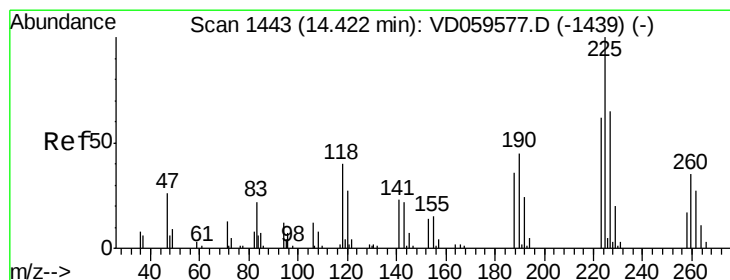
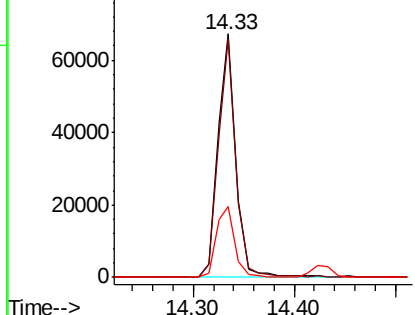
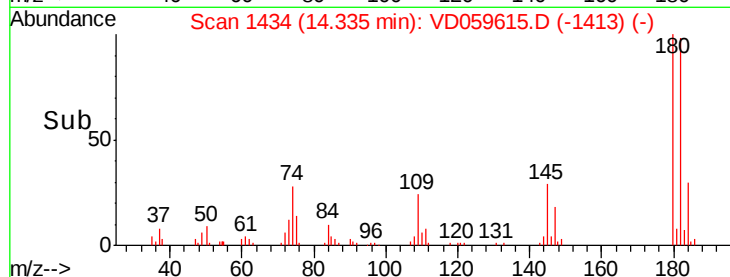
#93
 1,2,4-Trichlorobenzene
 Concen: 51.893 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 83538
 Ion Ratio Lower Upper
 180 100
 182 97.7 46.4 139.2
 145 29.3 15.7 47.0

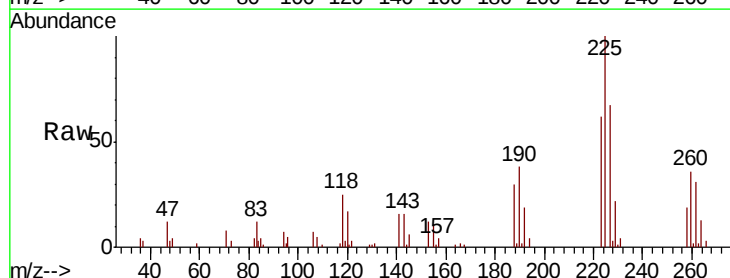


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

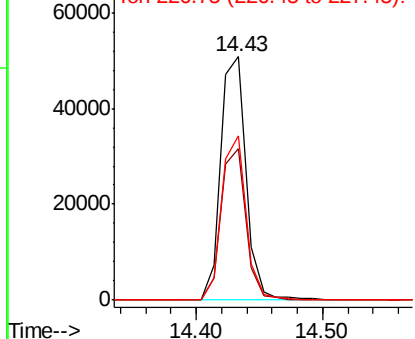
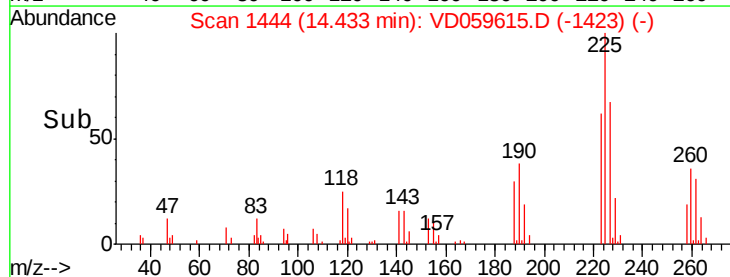


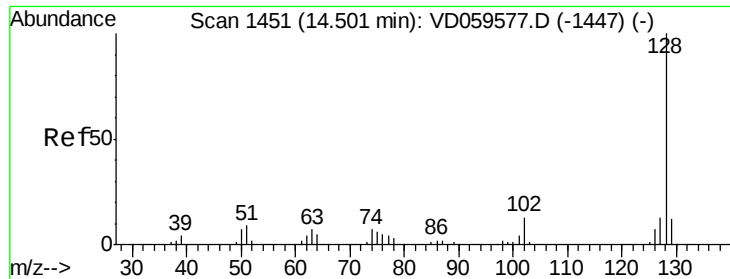
#94
 Hexachlorobutadiene
 Concen: 55.816 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059615.D
 Acq: 26 Jul 2018 20:37

Tgt Ion:225 Resp: 70877
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.1 93.5
 227 67.3 32.4 97.2



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

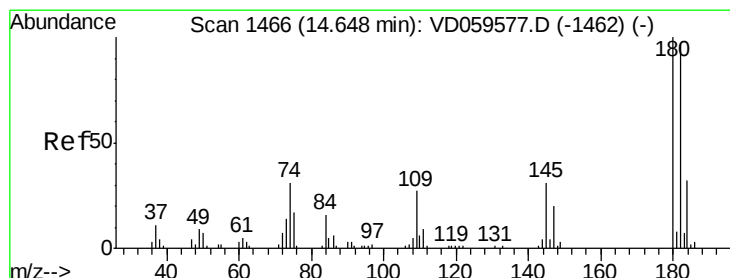
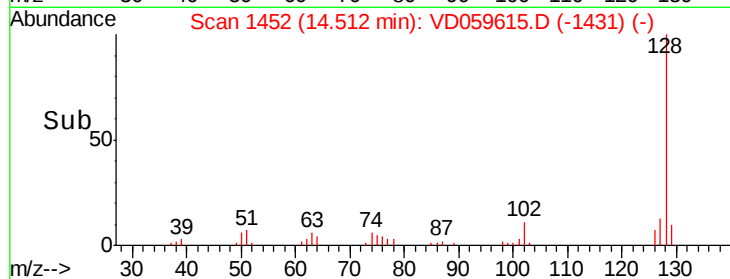
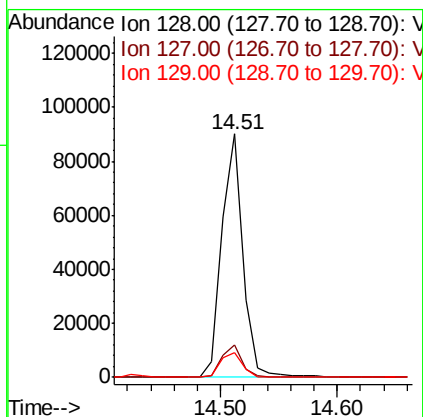
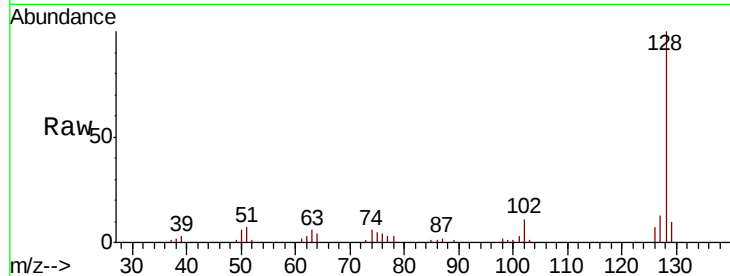




#95
Naphthalene
Concen: 49.625 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 113613
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.4 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 52.217 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VD059615.D
Acq: 26 Jul 2018 20:37

Tgt Ion:180 Resp: 76063
Ion Ratio Lower Upper
180 100
182 94.3 48.6 145.9
145 32.1 15.6 46.7

