

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059790.D
 Acq On : 15 Aug 2018 4:37
 Operator : VA/AP
 Sample : VD0815SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 17:50:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	282073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	389242	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	311995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	172210	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	180083	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
35) Dibromofluoromethane	5.55	113	167573	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
50) Toluene-d8	8.70	98	389123	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	11.93	95	171826	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	61359	17.851	ug/l	97
3) Chloromethane	1.48	50	37429	19.836	ug/l	95
4) Vinyl Chloride	1.56	62	38461	19.242	ug/l	99
5) Bromomethane	1.79	94	9033	14.194	ug/l	94
6) Chloroethane	1.88	64	12416	14.894	ug/l	99
7) Trichlorofluoromethane	2.08	101	54797	17.458	ug/l	94
8) Diethyl Ether	2.35	74	11559	19.141	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.56	101	33771	19.185	ug/l	97
10) Methyl Iodide	2.69	142	30730	16.567	ug/l	97
11) Tert butyl alcohol	3.26	59	10157	79.212	ug/l #	74
12) 1,1-Dichloroethene	2.55	96	24644	19.364	ug/l	96
13) Acrolein	2.47	56	7707	79.540	ug/l	85
14) Allyl chloride	2.92	41	60347	18.870	ug/l	96
15) Acrylonitrile	3.36	53	48537	108.045	ug/l	97
16) Acetone	2.61	43	50233	87.827	ug/l	97
17) Carbon Disulfide	2.76	76	79038	18.532	ug/l	99
18) Methyl Acetate	2.94	43	21055	17.225	ug/l	97
19) Methyl tert-butyl Ether	3.41	73	122374	19.699	ug/l	99
20) Methylene Chloride	3.07	84	34865	20.682	ug/l	94
21) trans-1,2-Dichloroethene	3.38	96	50035	19.951	ug/l	99
22) Diisopropyl ether	4.07	45	166853	19.340	ug/l	91
23) Vinyl Acetate	4.02	43	492763	100.852	ug/l	100
24) 1,1-Dichloroethane	3.97	63	99597	19.459	ug/l	98
25) 2-Butanone	4.84	43	74692	85.325	ug/l	98
26) 2,2-Dichloropropane	4.80	77	85101	18.183	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	57310	20.857	ug/l	93
28) Bromochloromethane	5.14	49	40038	19.937	ug/l	95
29) Tetrahydrofuran	5.18	42	37905	101.490	ug/l	96
30) Chloroform	5.32	83	118833	19.336	ug/l	92
31) Cyclohexane	5.59	56	70150	19.057	ug/l	94
32) 1,1,1-Trichloroethane	5.52	97	103956	19.238	ug/l	96
36) 1,1-Dichloropropene	5.74	75	76571	19.174	ug/l	95
37) Ethyl Acetate	4.93	43	39964	20.008	ug/l #	93
38) Carbon Tetrachloride	5.72	117	90506	18.785	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059790.D
 Acq On : 15 Aug 2018 4:37
 Operator : VA/AP
 Sample : VD0815SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 17:50:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	65450	18.946	ug/l	98
40) Benzene	6.02	78	163218	19.268	ug/l	98
41) Methacrylonitrile	5.12	41	19440	20.343	ug/l	94
42) 1,2-Dichloroethane	6.13	62	87334	19.051	ug/l	98
43) Isopropyl Acetate	7.62	43	51605	20.460	ug/l	99
44) Trichloroethene	6.98	130	53310	18.379	ug/l	91
45) 1,2-Dichloropropane	7.35	63	43730	19.861	ug/l	100
46) Dibromomethane	7.46	93	33652	18.687	ug/l	93
47) Bromodichloromethane	7.74	83	84204	19.084	ug/l	95
48) Methyl methacrylate	7.50	41	32706	19.872	ug/l	97
49) 1,4-Dioxane	7.49	88	5844	403.185	ug/l #	89
51) 4-Methyl-2-Pentanone	8.60	43	168432	88.342	ug/l	98
52) Toluene	8.80	92	107590	19.827	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	69880	19.102	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	74709	18.897	ug/l	93
55) 1,1,2-Trichloroethane	9.45	97	40841	20.386	ug/l	99
56) Ethyl methacrylate	9.31	69	43568	20.081	ug/l	98
57) 1,3-Dichloropropane	9.67	76	59053	18.817	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.18	63	110464	103.014	ug/l	98
59) 2-Hexanone	9.79	43	123829	90.574	ug/l	94
60) Dibromochloromethane	9.95	129	56471	19.414	ug/l	98
61) 1,2-Dibromoethane	10.09	107	42335	19.077	ug/l	100
64) Tetrachloroethene	9.51	164	52165	19.413	ug/l	97
65) Chlorobenzene	10.72	112	131303	20.781	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	52261	20.521	ug/l	95
67) Ethyl Benzene	10.86	91	224176	20.607	ug/l	96
68) m/p-Xylenes	11.02	106	145290	39.403	ug/l	96
69) o-Xylene	11.40	106	71119	20.094	ug/l	97
70) Styrene	11.43	104	120004	19.119	ug/l	96
71) Bromoform	11.60	173	35929	19.409	ug/l #	96
73) Isopropylbenzene	11.77	105	211219	19.371	ug/l	99
74) N-amyl acetate	11.65	43	68214	20.403	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	42796	19.327	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	48716	19.938	ug/l	96
77) Bromobenzene	12.04	156	62190	19.958	ug/l	88
78) n-propylbenzene	12.16	91	270547	19.891	ug/l	99
79) 2-Chlorotoluene	12.22	91	164619	20.070	ug/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	180449	20.668	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	11758	20.569	ug/l	90
82) 4-Chlorotoluene	12.32	91	187745	20.166	ug/l	98
83) tert-Butylbenzene	12.57	119	190105	19.706	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	182097	19.354	ug/l	98
85) sec-Butylbenzene	12.76	105	221757	19.832	ug/l	96
86) p-Isopropyltoluene	12.88	119	188751	20.174	ug/l	94
87) 1,3-Dichlorobenzene	12.84	146	108939	19.498	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	106853	19.290	ug/l	99
89) n-Butylbenzene	13.19	91	194933	20.606	ug/l	100
90) Hexachloroethane	13.40	117	45111	19.214	ug/l	85
91) 1,2-Dichlorobenzene	13.19	146	96368	20.970	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7849	19.868	ug/l	88

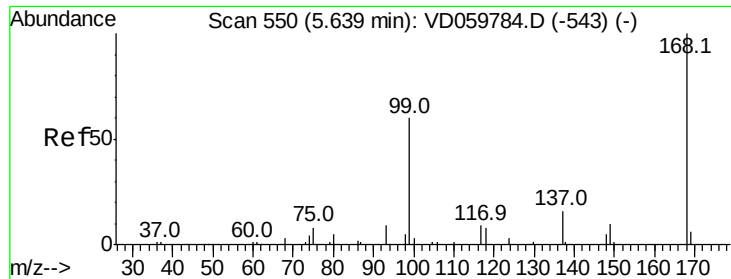
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081518\
Data File : VD059790.D
Acq On : 15 Aug 2018 4:37
Operator : VA/AP
Sample : VD0815SBSD01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 15 17:50:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	75570	19.667	µg/l	96
94) Hexachlorobutadiene	14.43	225	51465	18.145	µg/l	96
95) Naphthalene	14.52	128	114517	19.466	µg/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	60848	17.945	µg/l	96

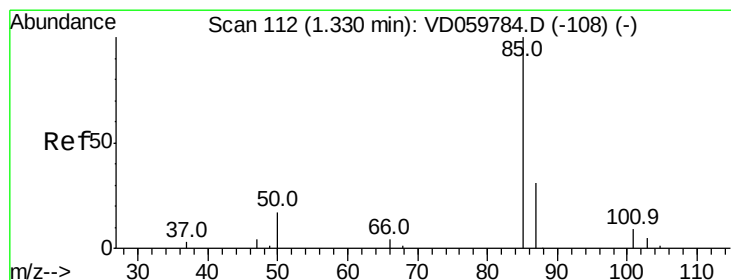
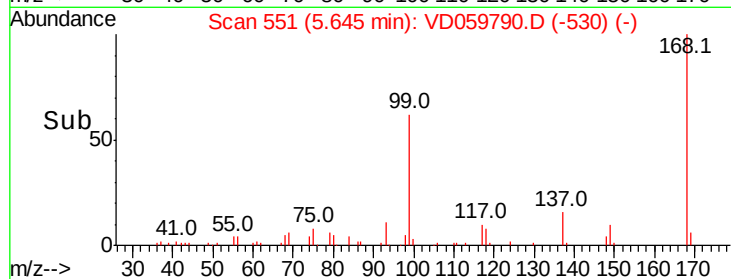
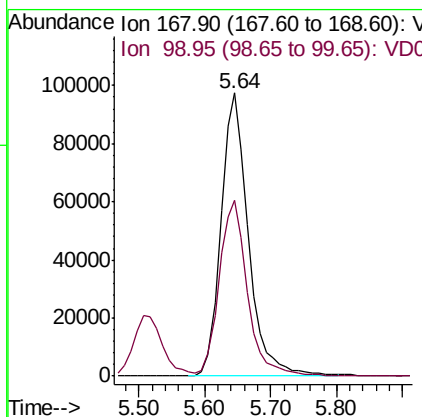
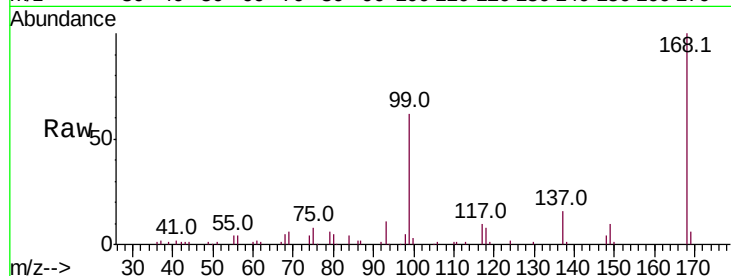
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 551
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

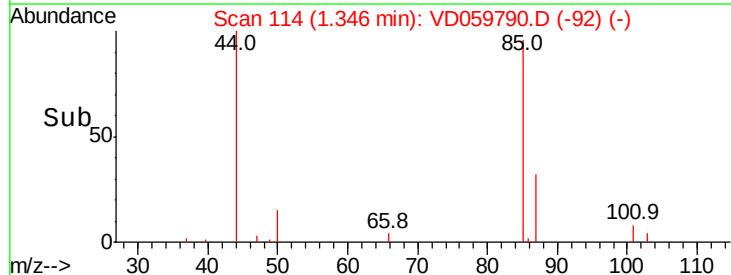
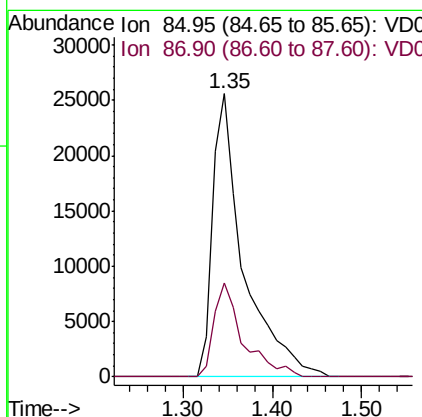
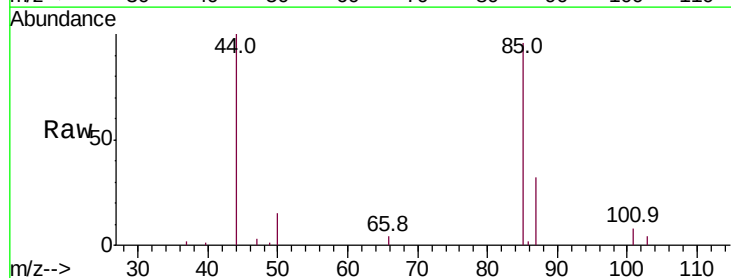
Instrument :
MSVOA_D
ClientSampleId :

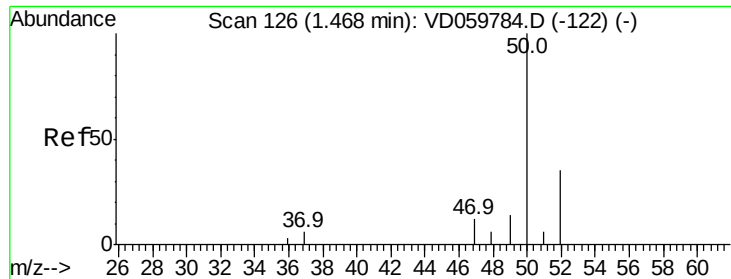
Tot Ion:168 Resp: 282073
Ion Ratio Lower Upper
168 100
99 62.0 50.3 75.5



#2
Dichlorodifluoromethane
Concen: 17.851 ug/l
RT: 1.35 min Scan# 114
Delta R.T. 0.02 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion: 85 Resp: 61359
Ion Ratio Lower Upper
85 100
87 33.0 15.7 47.1





#3

Chloromethane

Concen: 19.836 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.02 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

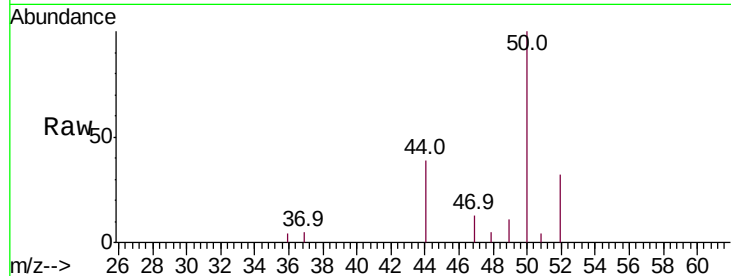
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 37429

Ion Ratio Lower Upper

50 100

52 32.4 28.4 42.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

15000

10000

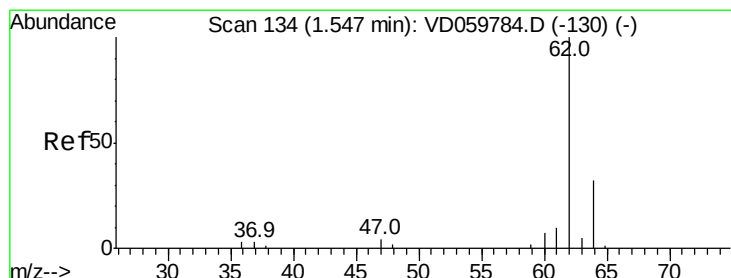
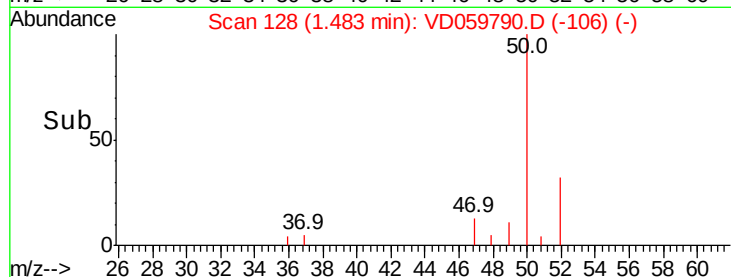
5000

0

Time-->

1.40 1.50 1.60

1.48



#4

Vinyl Chloride

Concen: 19.242 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.02 min

Lab File: VD059790.D

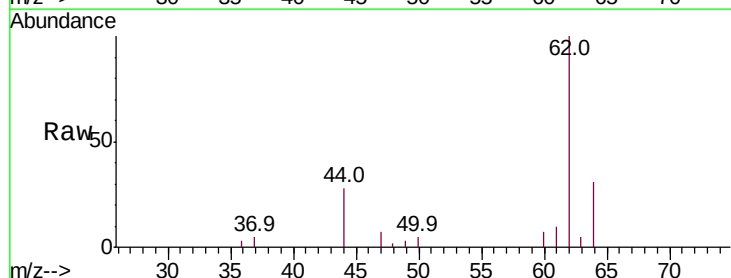
Acq: 15 Aug 2018 4:37

Tgt Ion: 62 Resp: 38461

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

20000

15000

10000

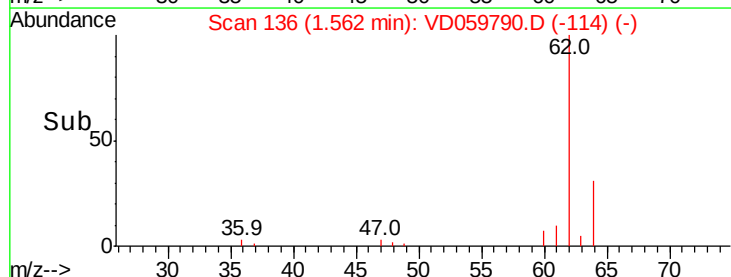
5000

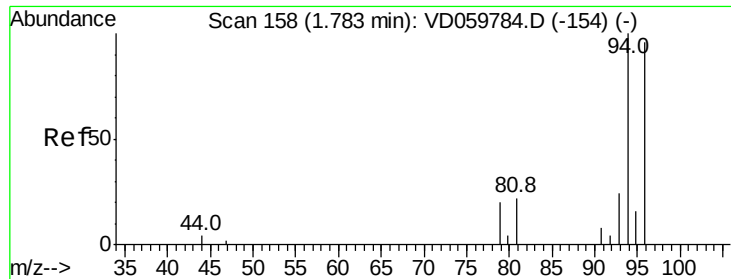
0

Time-->

1.50 1.60 1.70

1.56





#5

Bromomethane

Concen: 14.194 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

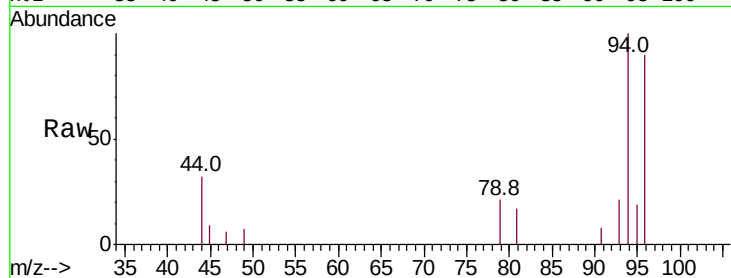
ClientSampled :

Tot Ion: 94 Resp: 9033

Ion Ratio Lower Upper

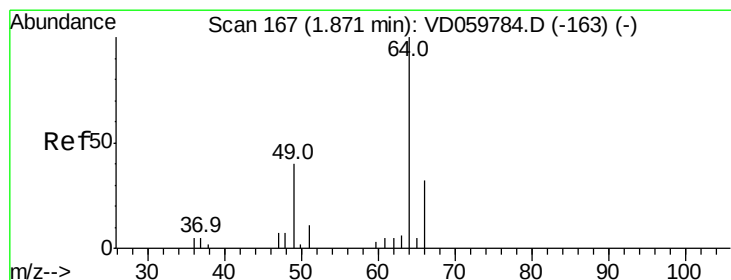
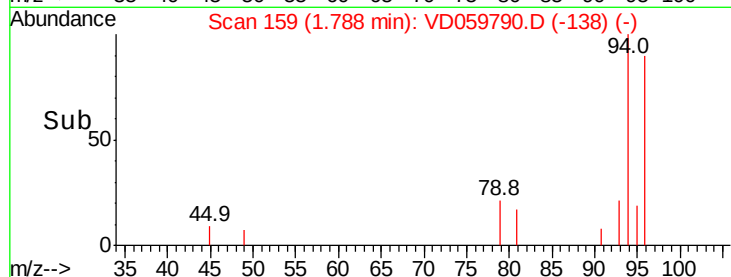
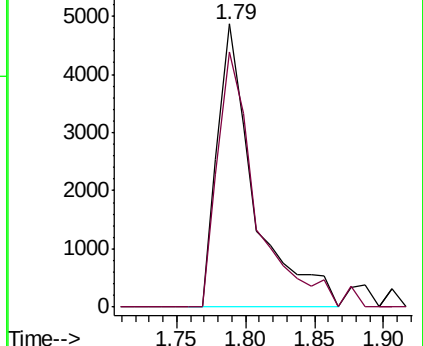
94 100

96 90.3 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 14.894 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD059790.D

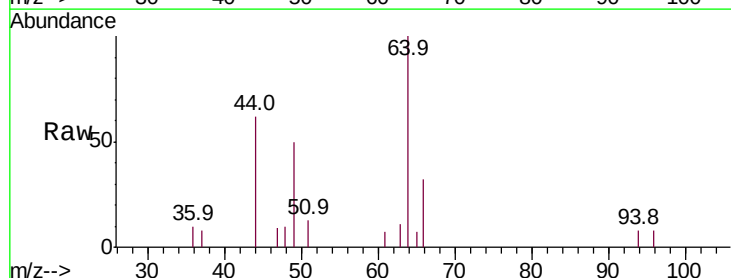
Acq: 15 Aug 2018 4:37

Tgt Ion: 64 Resp: 12416

Ion Ratio Lower Upper

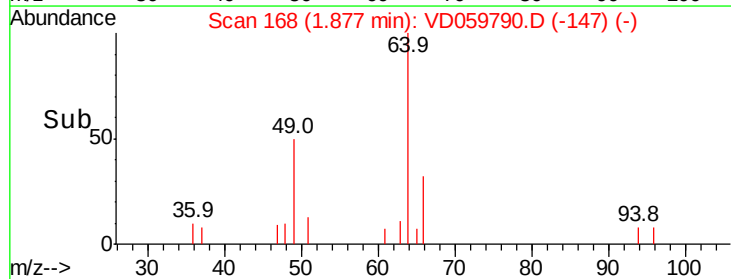
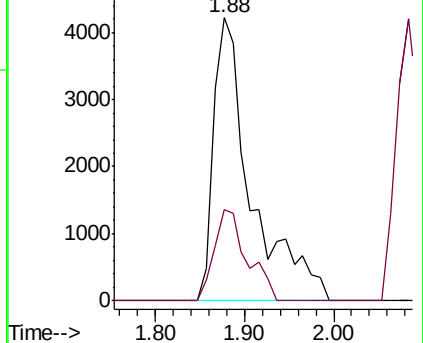
64 100

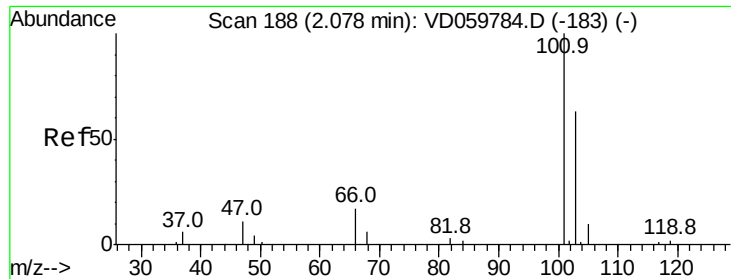
66 32.1 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



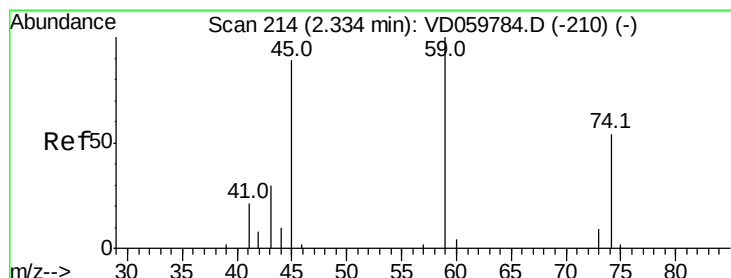
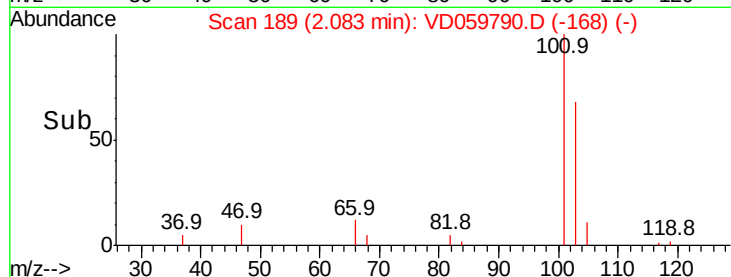
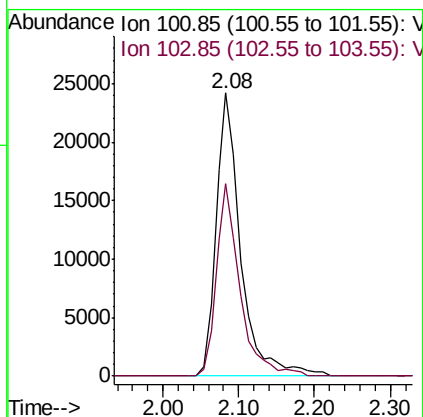
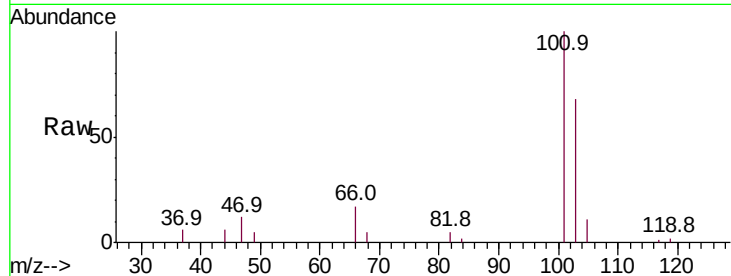


#7

Trichlorofluoromethane
 Concen: 17.458 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Instrument :
 MSVOA_D
 ClientSampled :

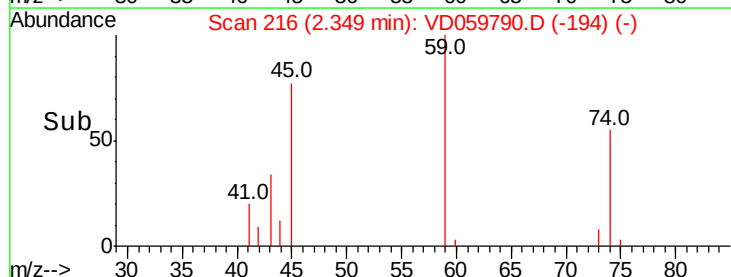
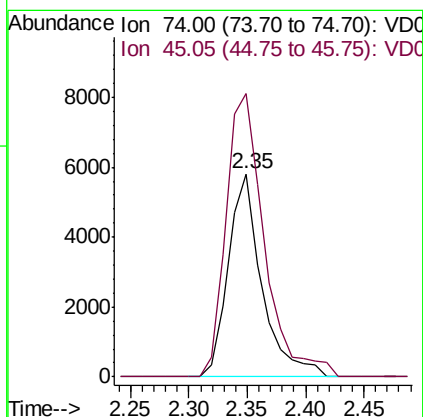
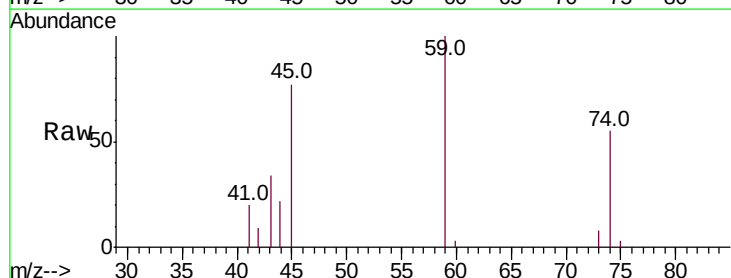
Tot Ion:101 Resp: 54797
 Ion Ratio Lower Upper
 101 100
 103 67.8 50.4 75.6

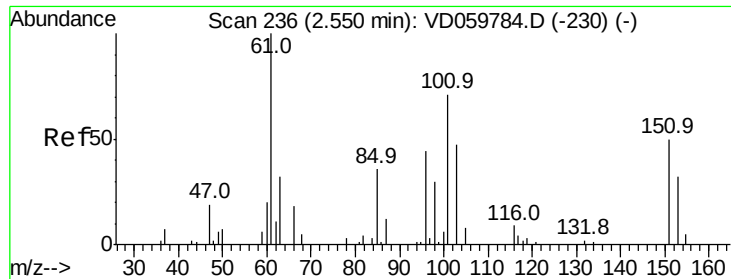


#8

Diethyl Ether
 Concen: 19.141 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.02 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion: 74 Resp: 11559
 Ion Ratio Lower Upper
 74 100
 45 139.6 81.6 244.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.185 ug/l

RT: 2.56 min Scan# 237

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampled :

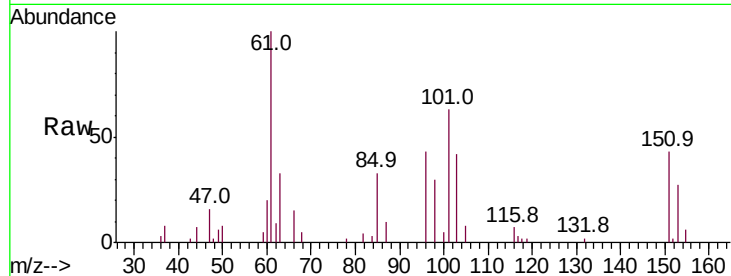
Tot Ion:101 Resp: 33771

Ion Ratio Lower Upper

101 100

85 52.0 40.6 61.0

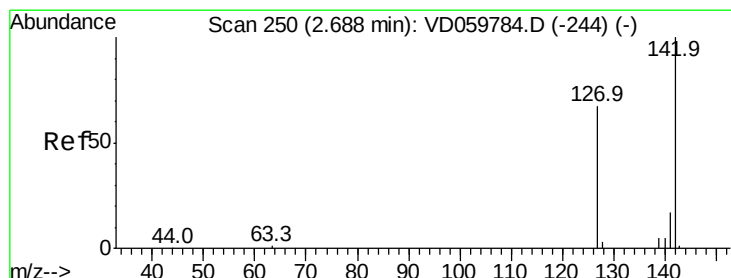
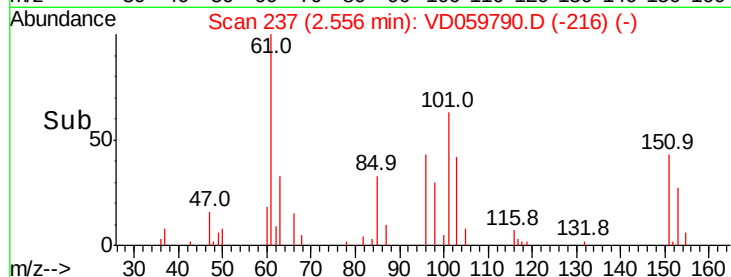
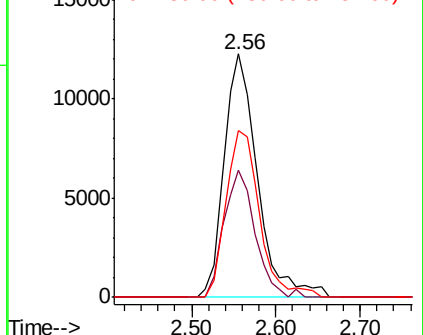
151 68.3 57.1 85.7



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: 16.567 ug/l

RT: 2.69 min Scan# 251

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

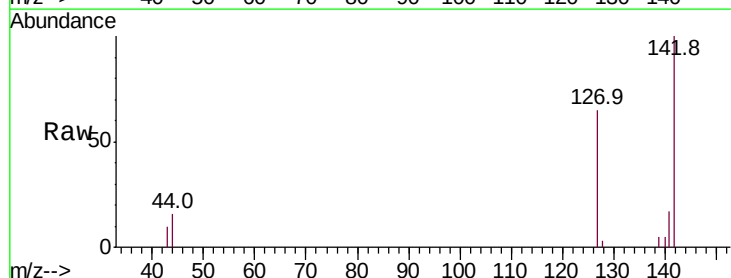
Tgt Ion:142 Resp: 30730

Ion Ratio Lower Upper

142 100

127 64.7 54.0 81.0

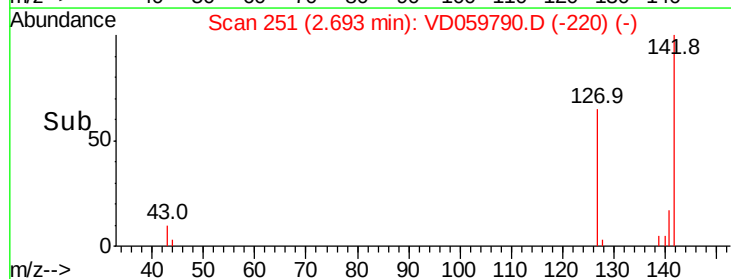
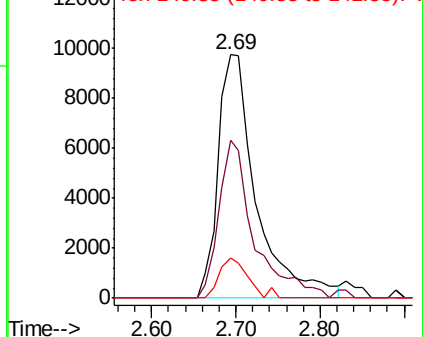
141 16.7 13.3 19.9

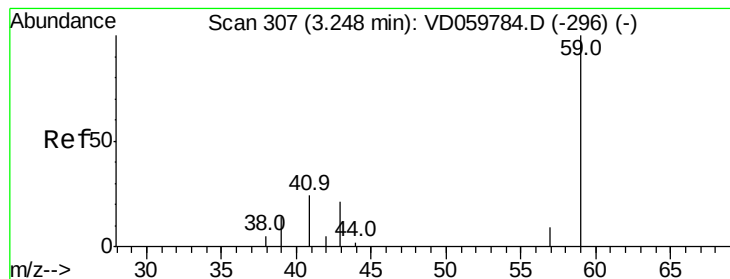


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



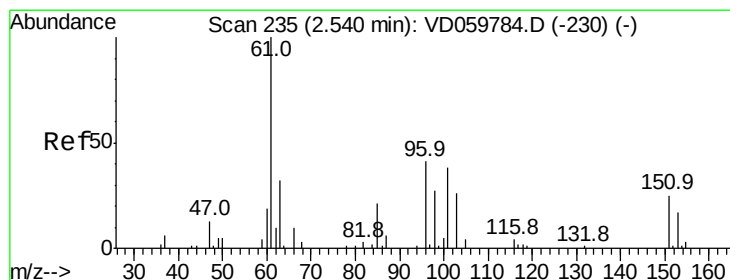
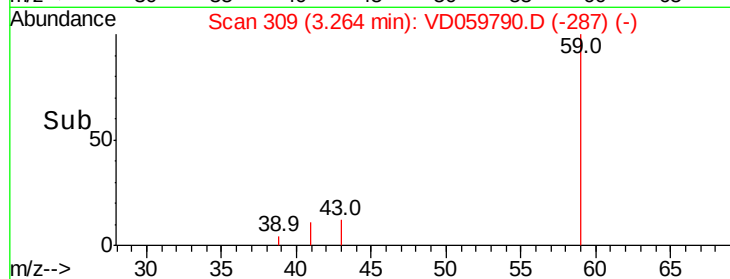
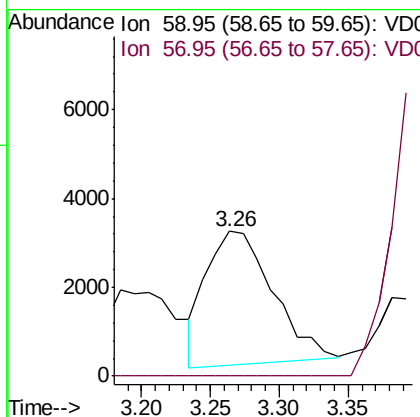
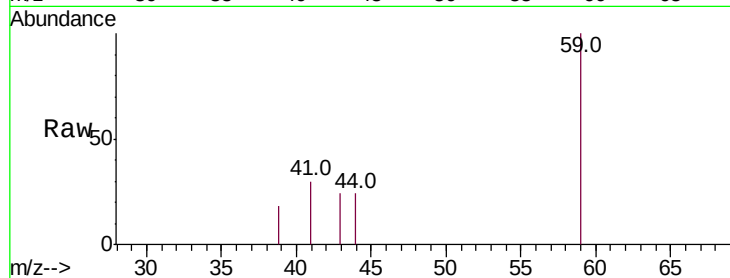


#11

Tert butyl alcohol
 Concen: 79.212 ug/l
 RT: 3.26 min Scan# 309
 Delta R.T. 0.02 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Instrument :
 MSVOA_D
 ClientSampleId :

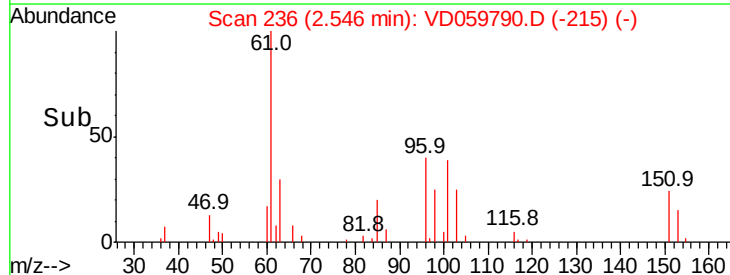
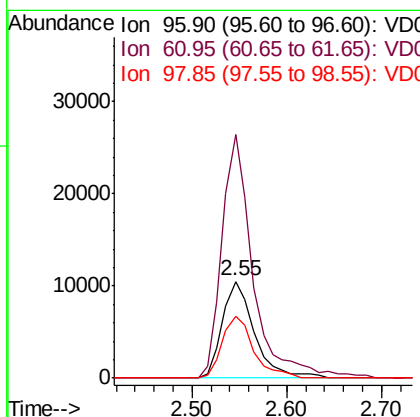
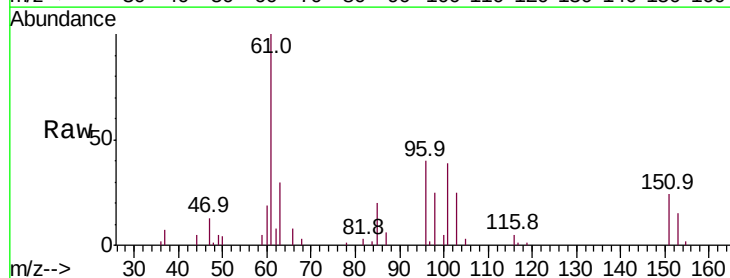
Tot Ion: 59 Resp: 10157
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

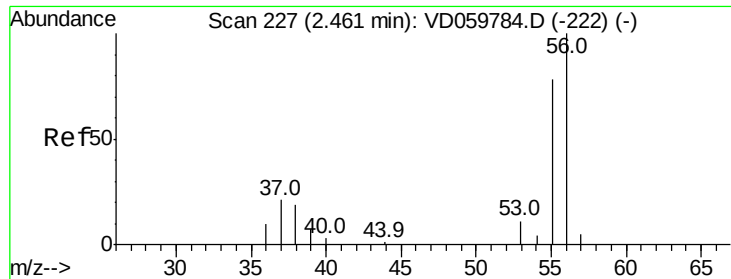


#12

1,1-Dichloroethene
 Concen: 19.364 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion: 96 Resp: 24644
 Ion Ratio Lower Upper
 96 100
 61 250.9 194.1 291.1
 98 63.6 52.3 78.5





#13

Acrolein

Concen: 79.540 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

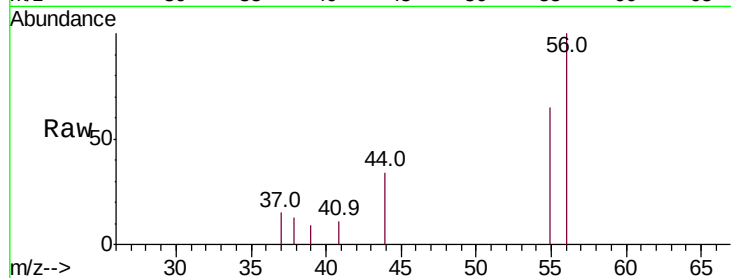
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 7707

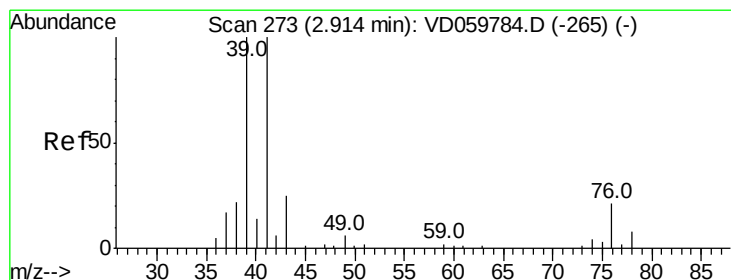
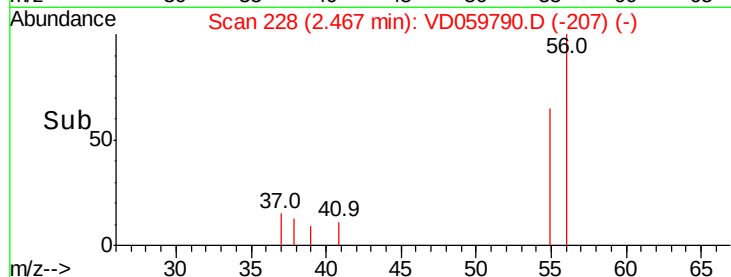
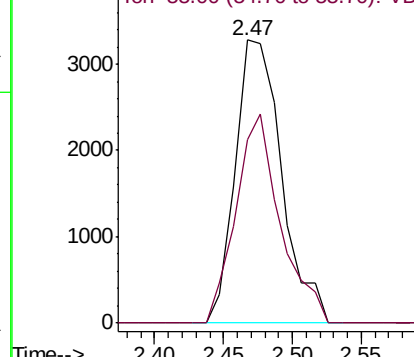
Ion Ratio Lower Upper

56 100

55 64.8 62.2 93.2



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.870 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

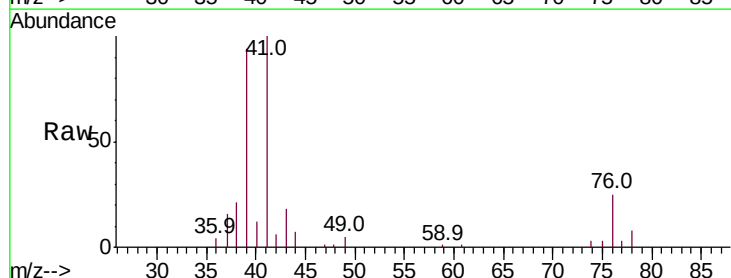
Tgt Ion: 41 Resp: 60347

Ion Ratio Lower Upper

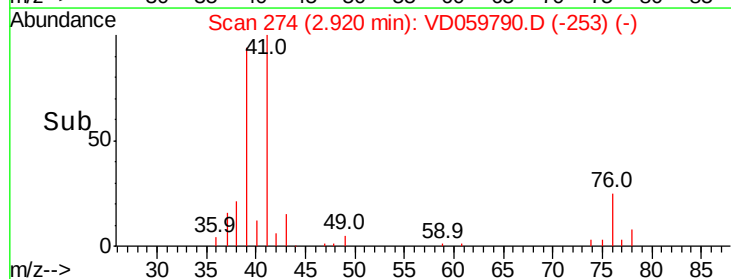
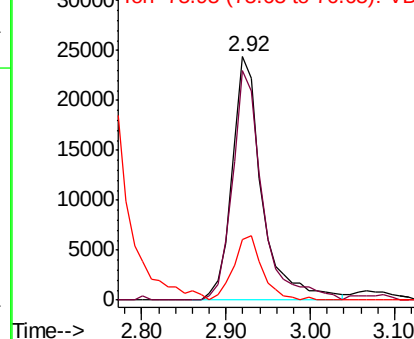
41 100

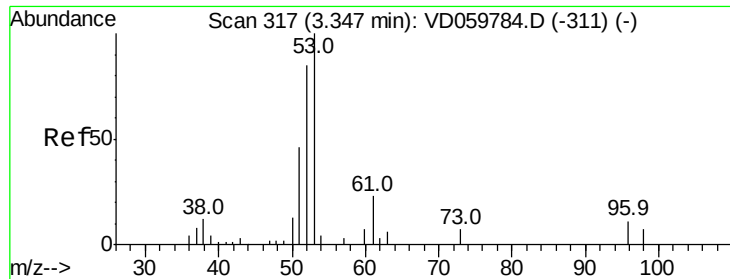
39 94.4 79.8 119.6

76 25.0 20.4 30.6



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

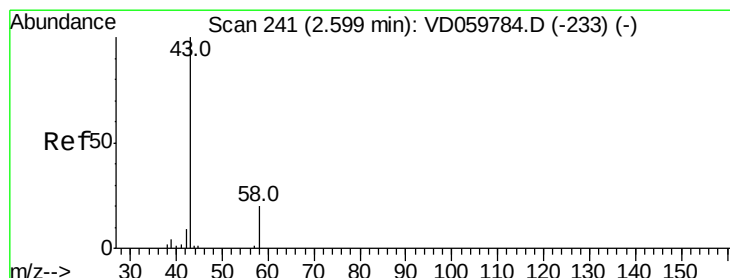
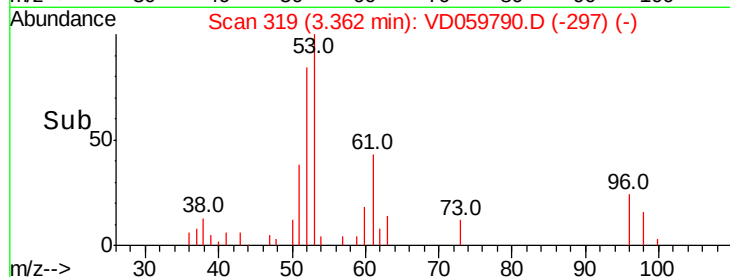
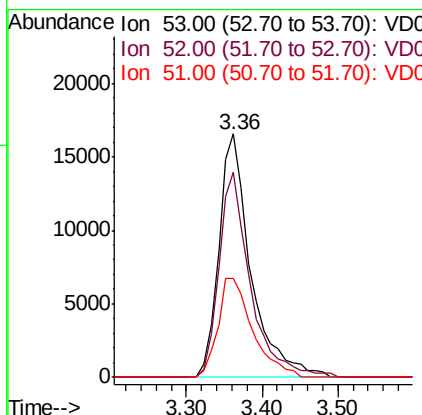
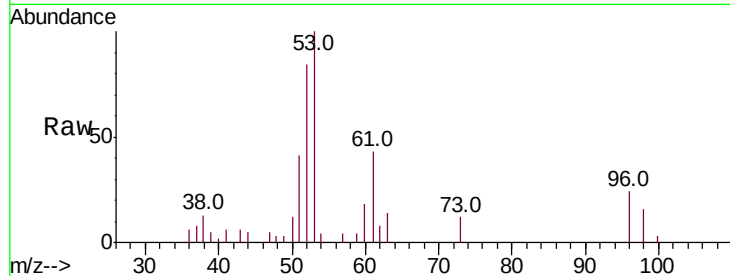




#15
 Acrylonitrile
 Concen: 108.045 ug/l
 RT: 3.36 min Scan# 319
 Delta R.T. 0.02 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

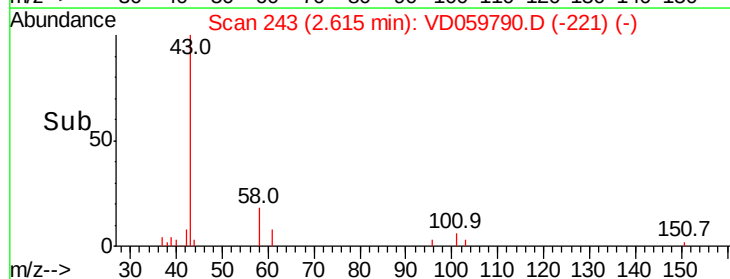
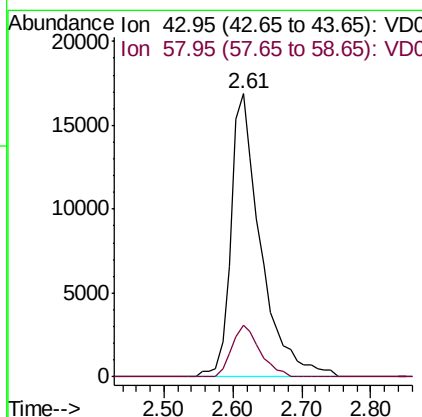
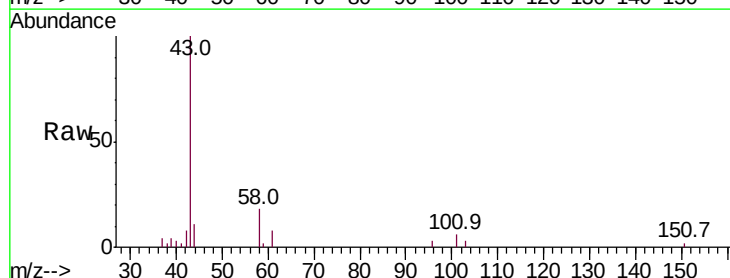
Instrument :
 MSVOA_D
 ClientSampled :

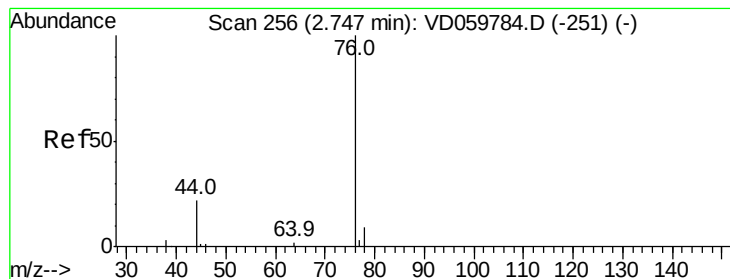
Tot Ion: 53 Resp: 48537
 Ion Ratio Lower Upper
 53 100
 52 84.4 68.2 102.2
 51 40.9 36.6 54.8



#16
 Acetone
 Concen: 87.827 ug/l
 RT: 2.61 min Scan# 243
 Delta R.T. 0.02 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion: 43 Resp: 50233
 Ion Ratio Lower Upper
 43 100
 58 18.2 15.7 23.5





#17

Carbon Disulfide

Concen: 18.532 ug/l

RT: 2.76 min Scan# 258

Delta R.T. 0.02 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

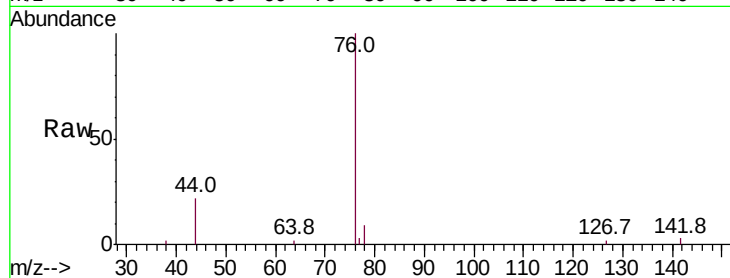
ClientSampleId :

Tot Ion: 76 Resp: 79038

Ion Ratio Lower Upper

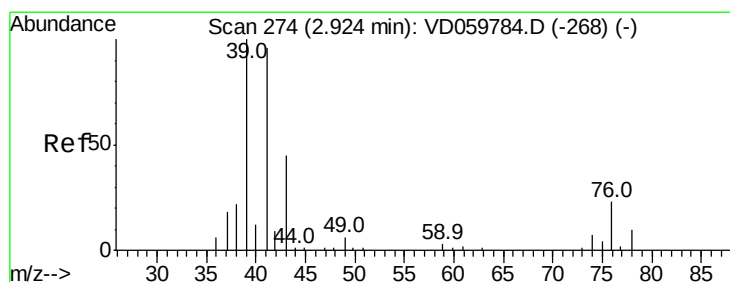
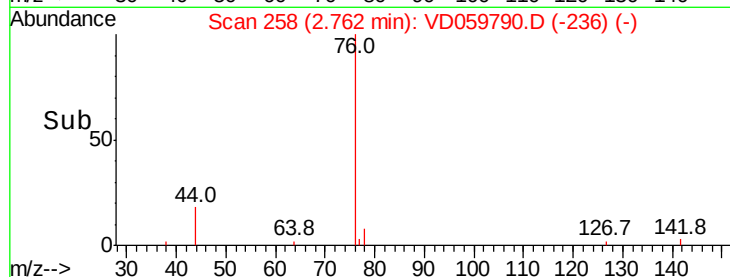
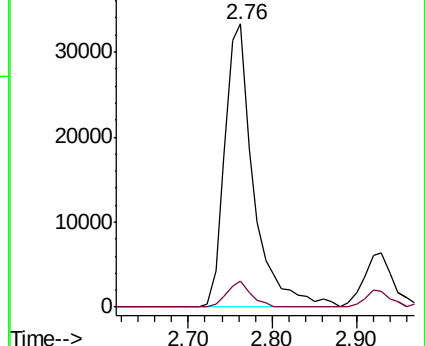
76 100

78 9.0 6.9 10.3



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 17.225 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.02 min

Lab File: VD059790.D

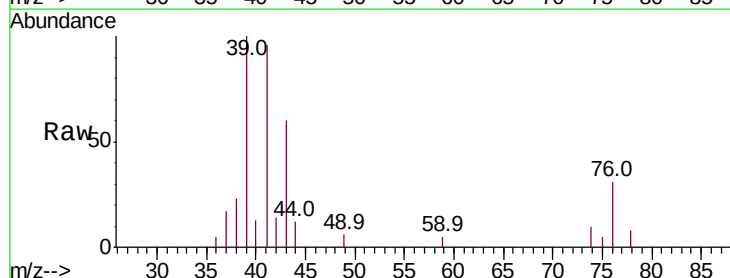
Acq: 15 Aug 2018 4:37

Tgt Ion: 43 Resp: 21055

Ion Ratio Lower Upper

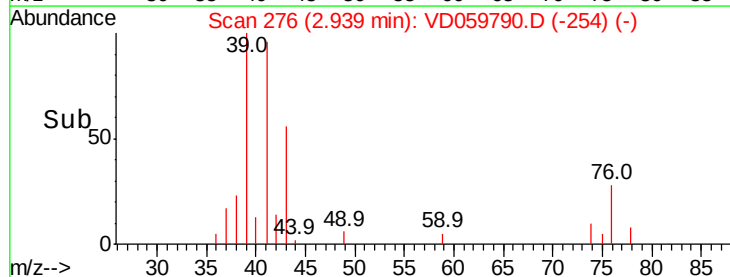
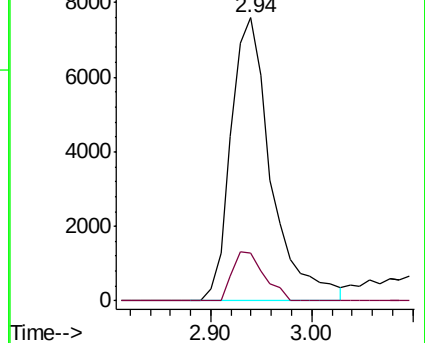
43 100

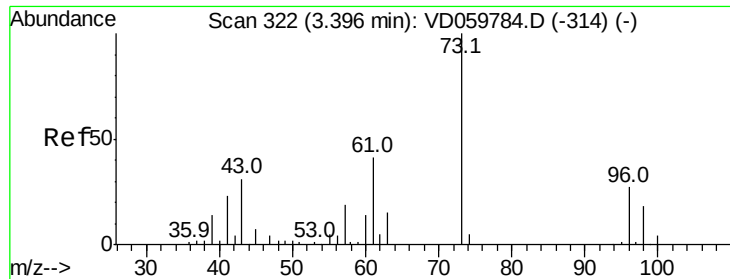
74 16.8 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

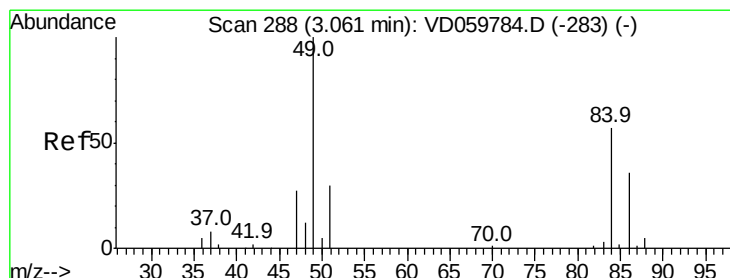
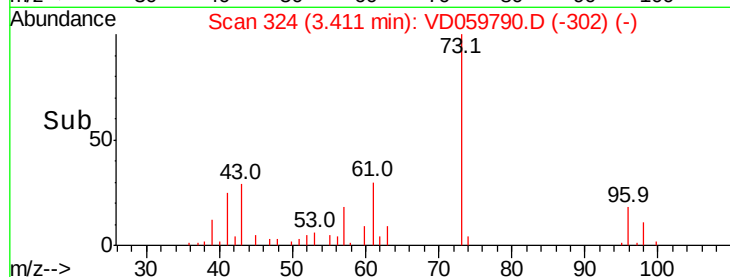
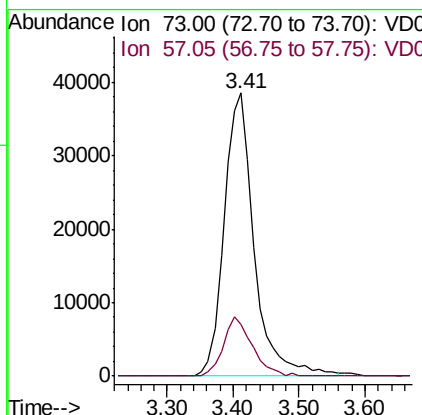
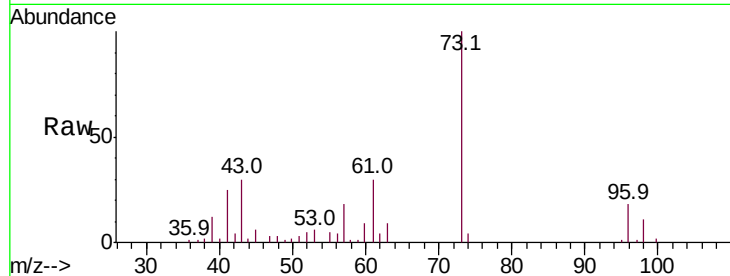




#19
Methyl tert-butyl Ether
Concen: 19.699 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.02 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

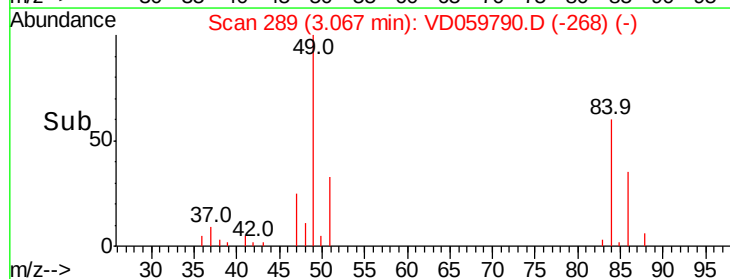
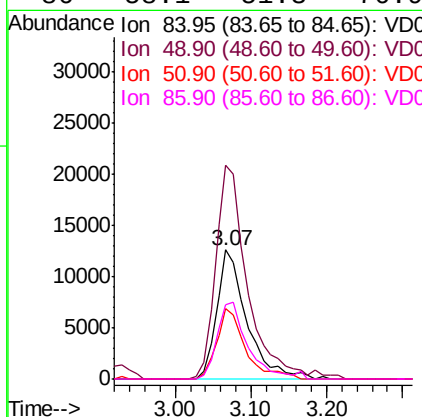
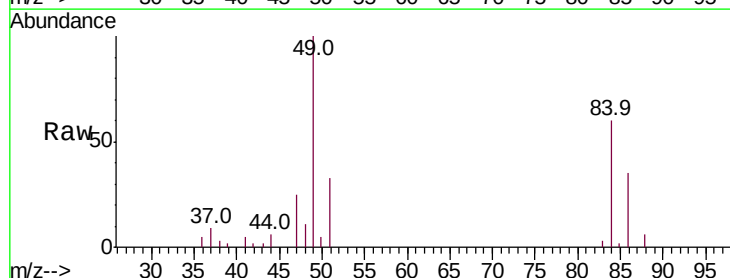
Instrument :
MSVOA_D
ClientSampled :

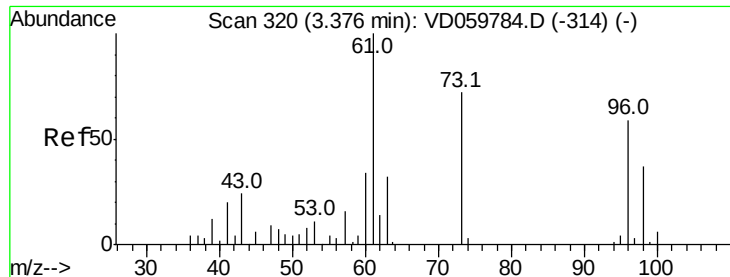
Tot Ion: 73 Resp: 122374
Ion Ratio Lower Upper
73 100
57 18.3 14.8 22.2



#20
Methylene Chloride
Concen: 20.682 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion: 84 Resp: 34865
Ion Ratio Lower Upper
84 100
49 165.8 140.9 211.3
51 54.7 42.8 64.2
86 58.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.951 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

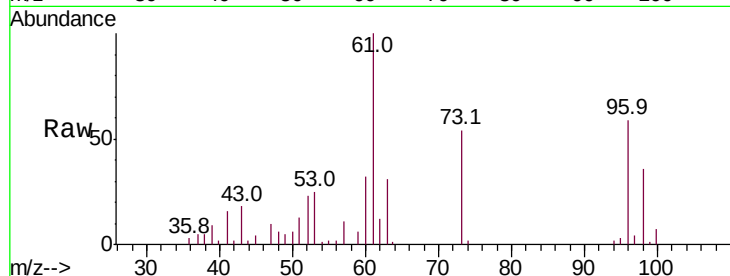
Tot Ion: 96 Resp: 50035

Ion Ratio Lower Upper

96 100

61 169.2 134.8 202.2

98 60.9 50.0 75.0

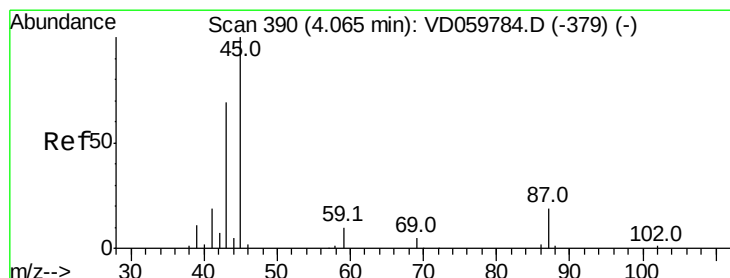
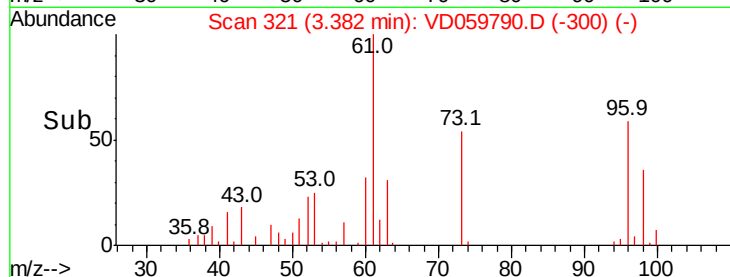
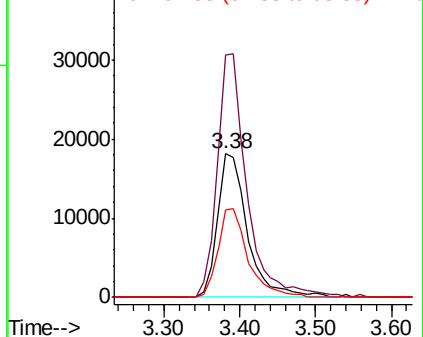


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.340 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Tgt Ion: 45 Resp: 166853

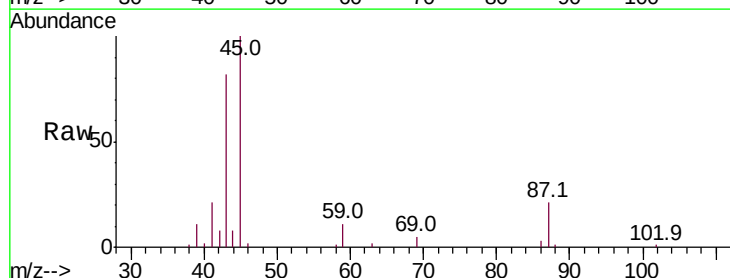
Ion Ratio Lower Upper

45 100

43 81.9 57.5 86.3

87 20.9 16.1 24.1

59 10.6 8.4 12.6



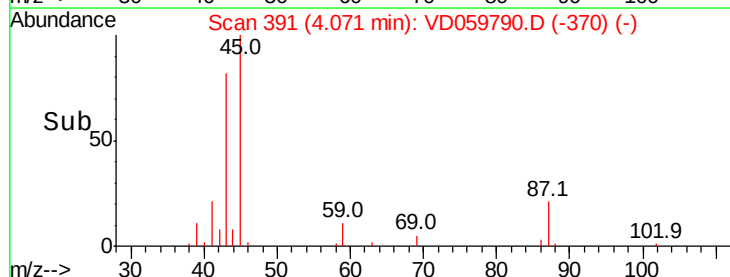
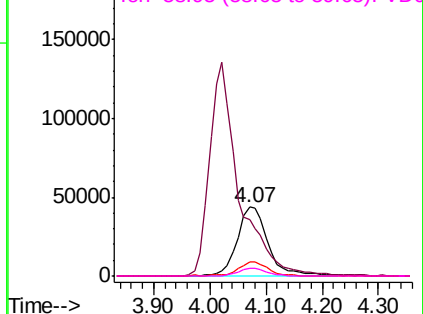
Abundance

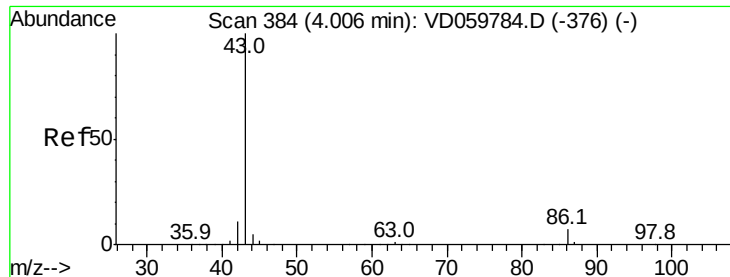
Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 100.852 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.02 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

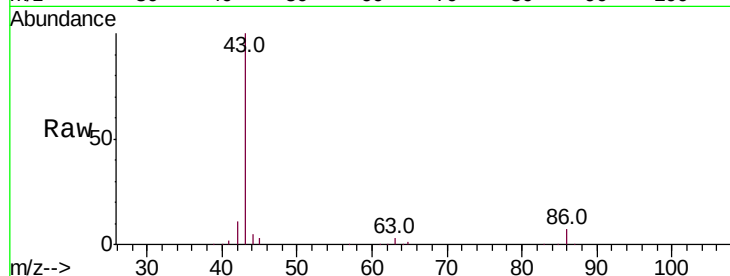
ClientSampleId :

Tot Ion: 43 Resp: 492763

Ion Ratio Lower Upper

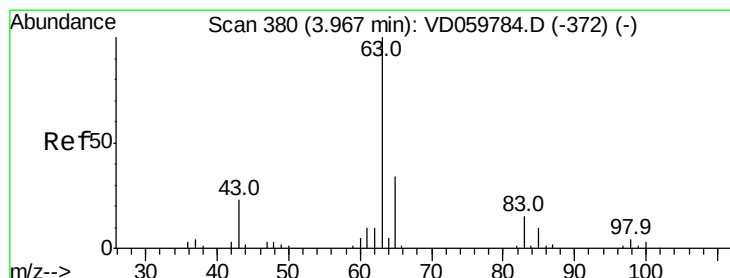
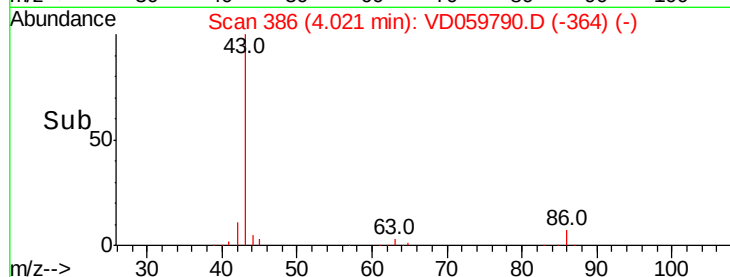
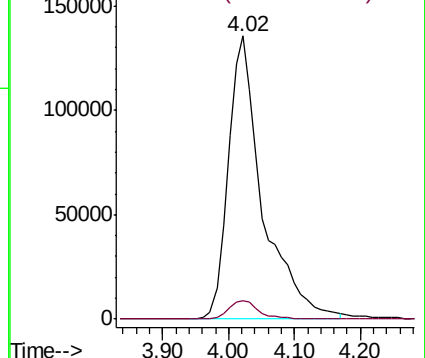
43 100

86 6.6 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.459 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

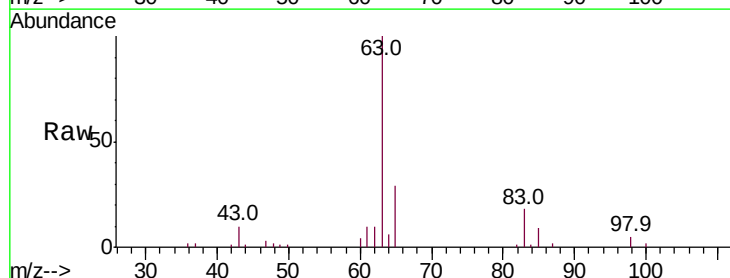
Tgt Ion: 63 Resp: 99597

Ion Ratio Lower Upper

63 100

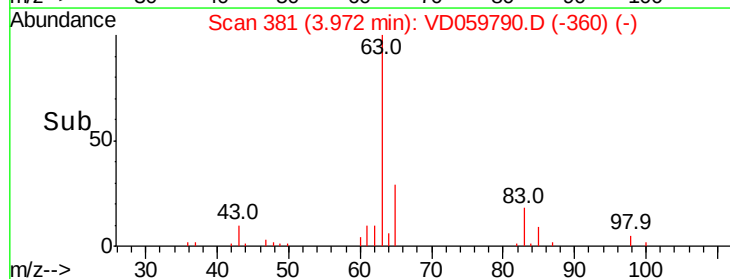
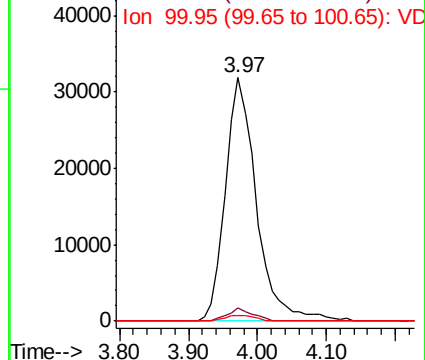
98 5.3 2.2 6.6

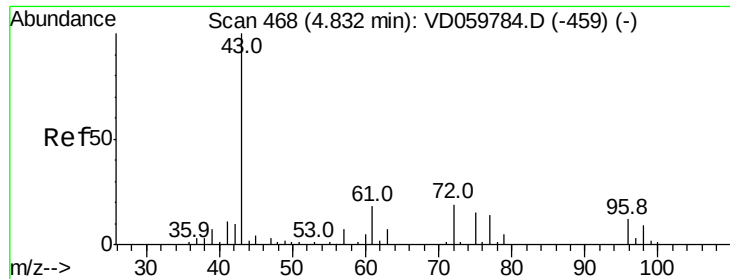
100 2.5 1.6 4.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC





#25

2-Butanone

Concen: 85.325 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

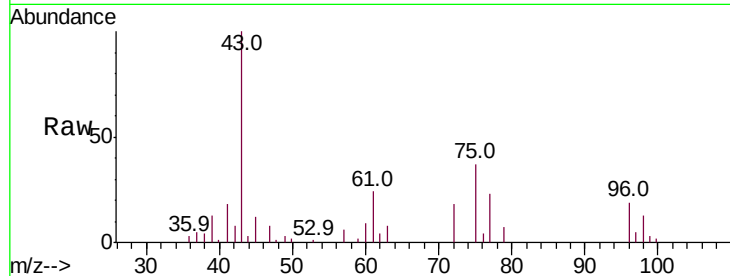
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 74692

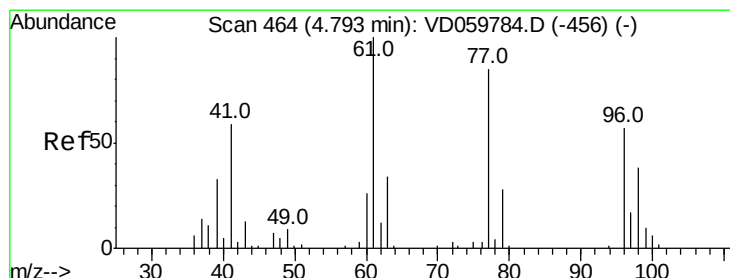
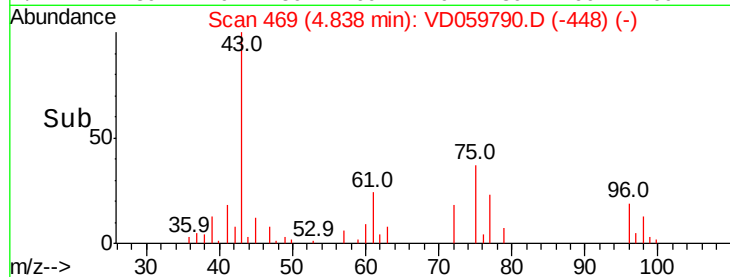
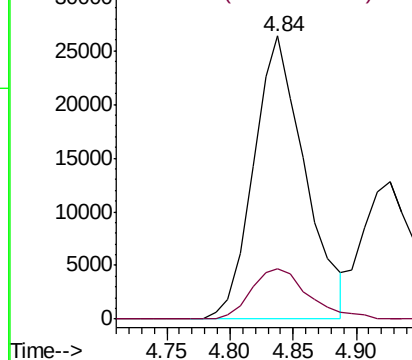
Ion Ratio Lower Upper

43 100

72 17.7 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.183 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059790.D

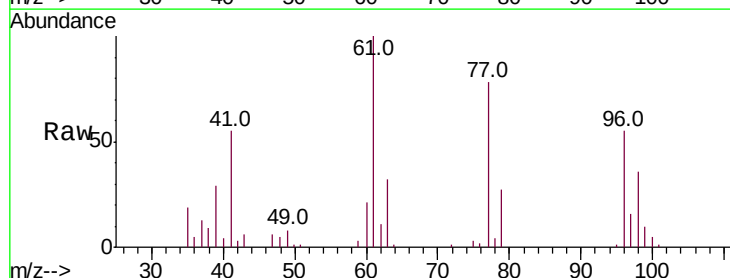
Acq: 15 Aug 2018 4:37

Tgt Ion: 77 Resp: 85101

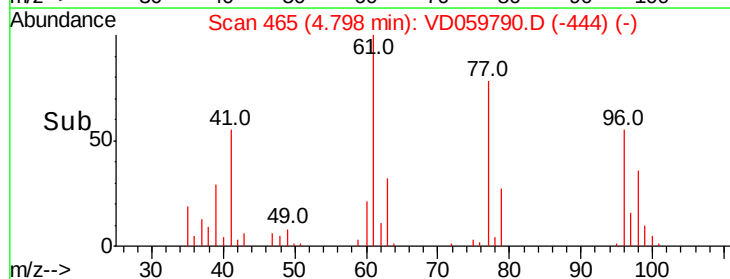
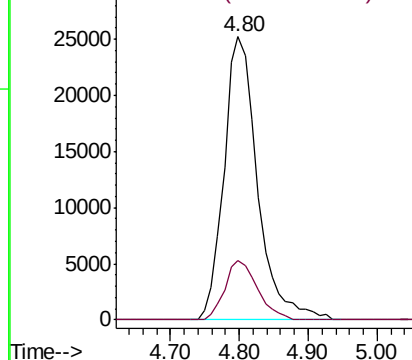
Ion Ratio Lower Upper

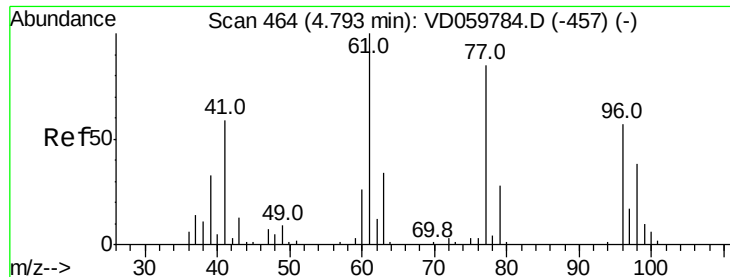
77 100

97 21.1 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



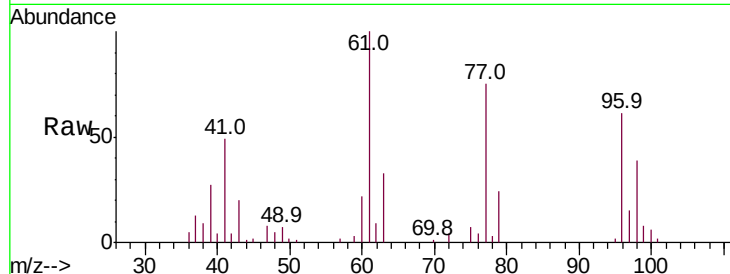


#27

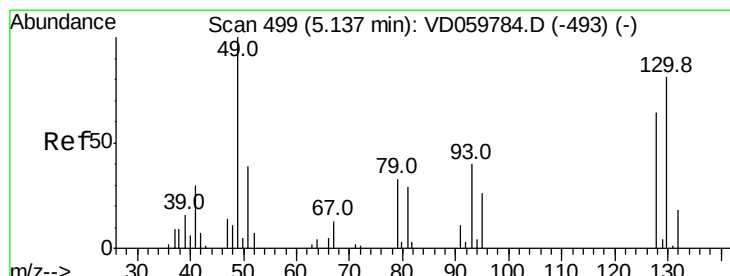
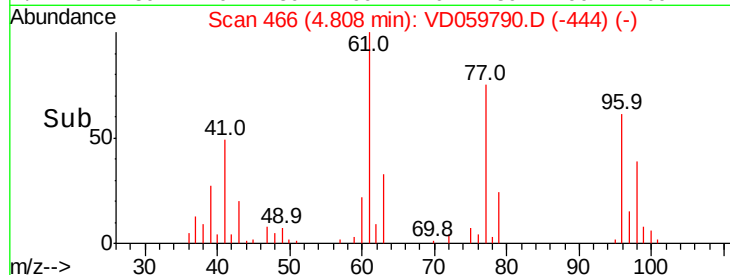
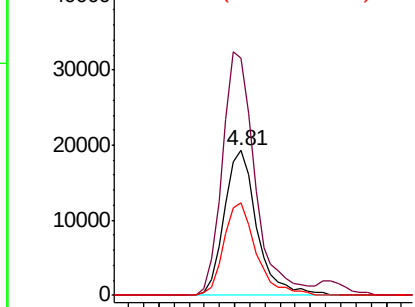
cis-1,2-Dichloroethene
 Concen: 20.857 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. 0.02 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 57310
 Ion Ratio Lower Upper
 96 100
 61 163.8 0.0 351.6
 98 63.9 0.0 135.2



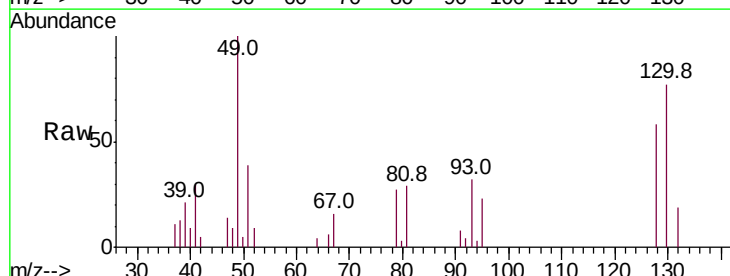
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



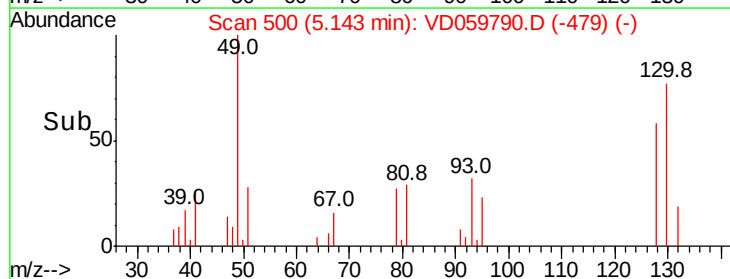
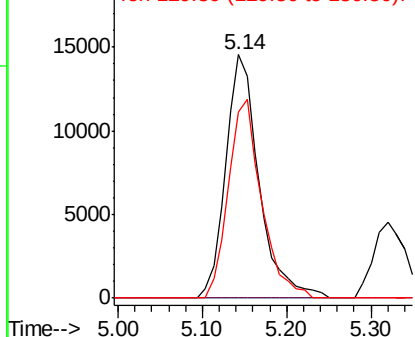
#28

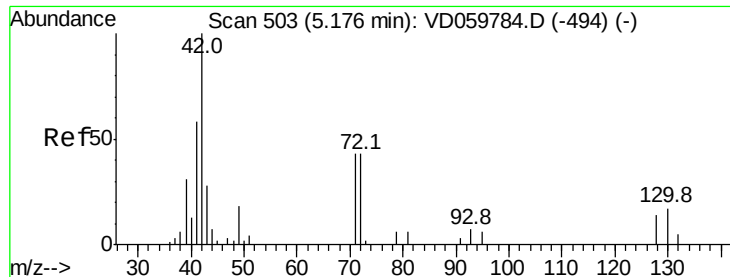
Bromochloromethane
 Concen: 19.937 ug/l
 RT: 5.14 min Scan# 500
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion: 49 Resp: 40038
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 7.0
 130 76.5 64.8 97.2



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





#29

Tetrahydrofuran

Concen: 101.490 ug/l

RT: 5.18 min Scan# 504

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampled :

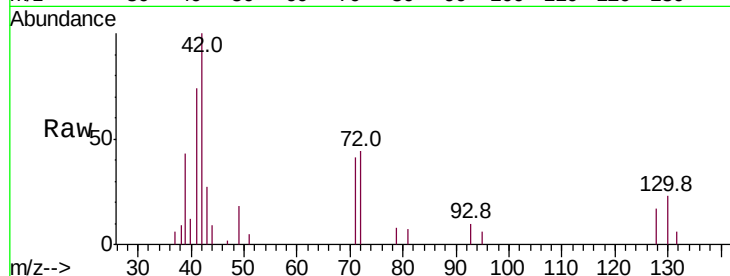
Tot Ion: 42 Resp: 37905

Ion Ratio Lower Upper

42 100

72 45.6 34.3 51.5

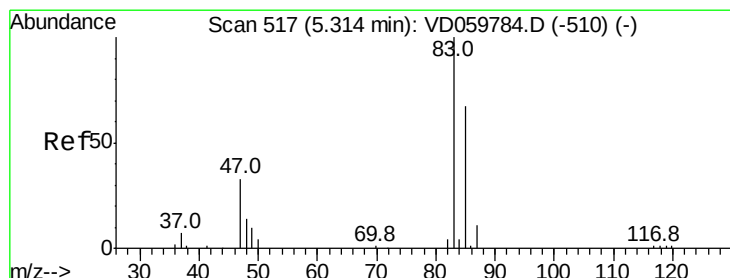
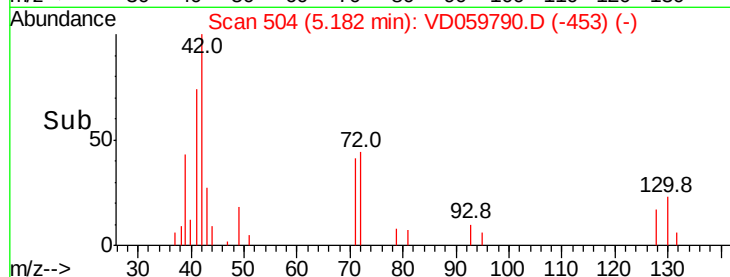
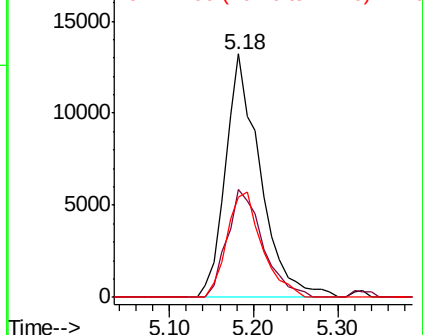
71 43.8 33.0 49.6



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: 19.336 ug/l

RT: 5.32 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD059790.D

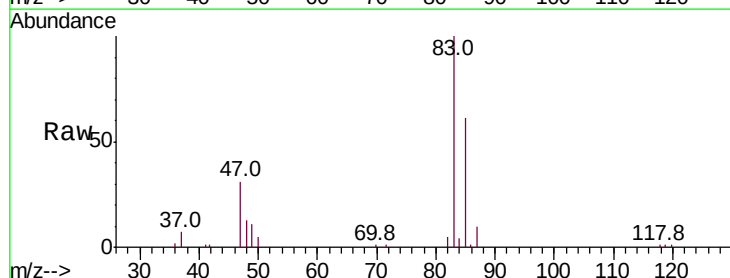
Acq: 15 Aug 2018 4:37

Tgt Ion: 83 Resp: 118833

Ion Ratio Lower Upper

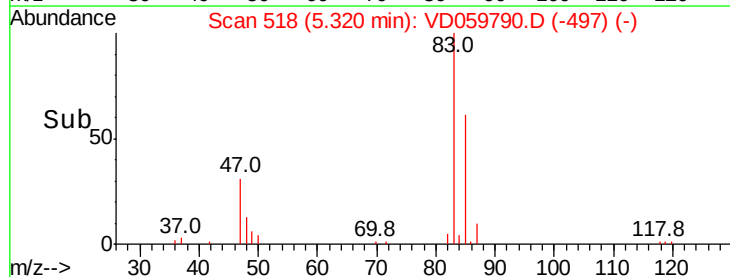
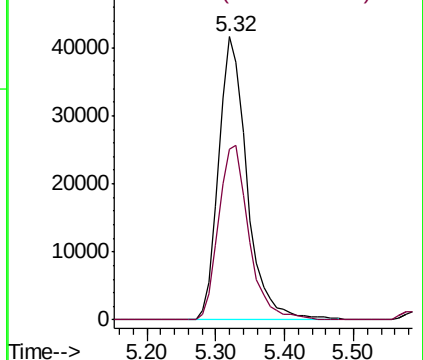
83 100

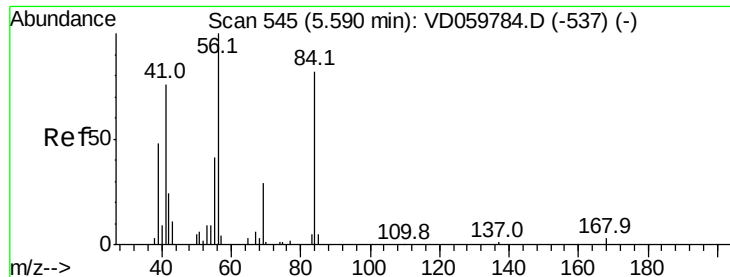
85 60.5 53.4 80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

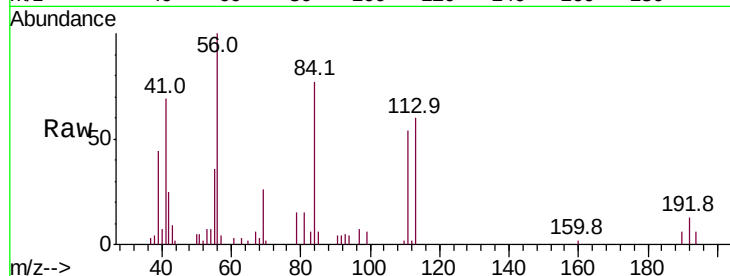




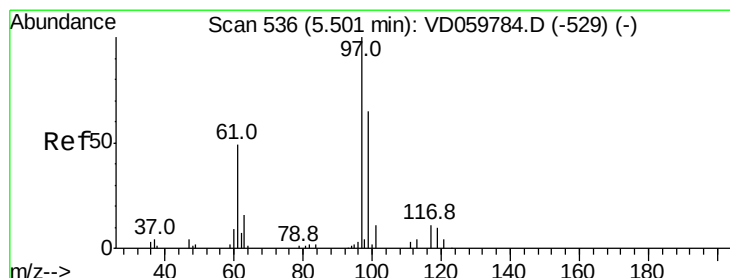
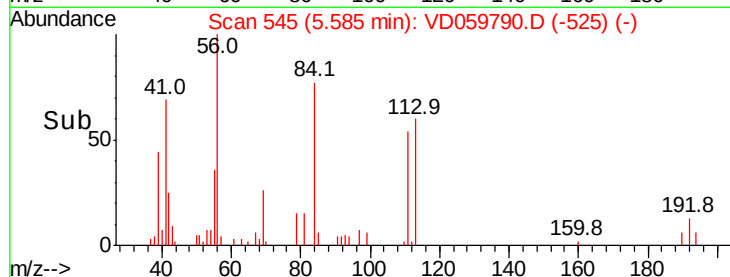
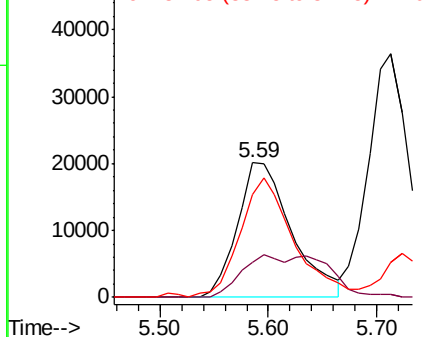
#31
Cyclohexane
Concen: 19.057 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 70150
Ion Ratio Lower Upper
56 100
69 26.1 23.4 35.2
84 76.7 65.4 98.2

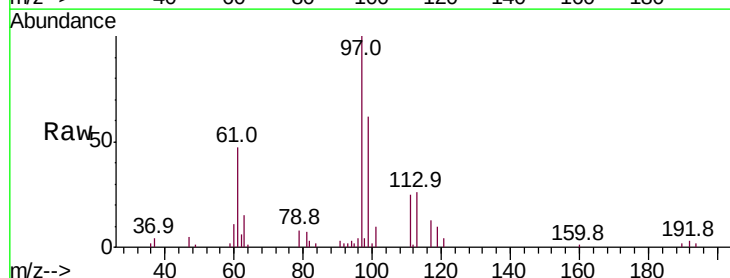


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

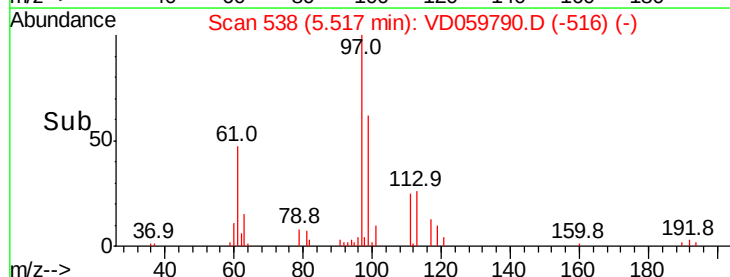
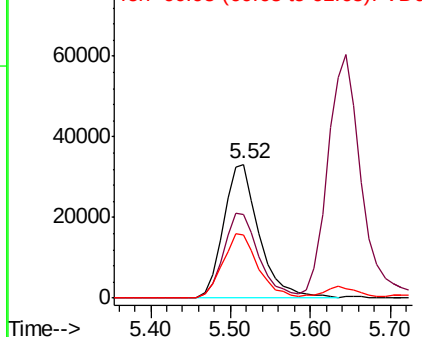


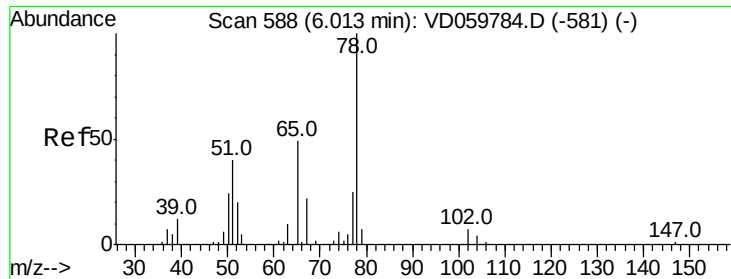
#32
1,1,1-Trichloroethane
Concen: 19.238 ug/l
RT: 5.52 min Scan# 538
Delta R.T. 0.02 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion: 97 Resp: 103956
Ion Ratio Lower Upper
97 100
99 61.9 52.2 78.2
61 47.0 39.6 59.4



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

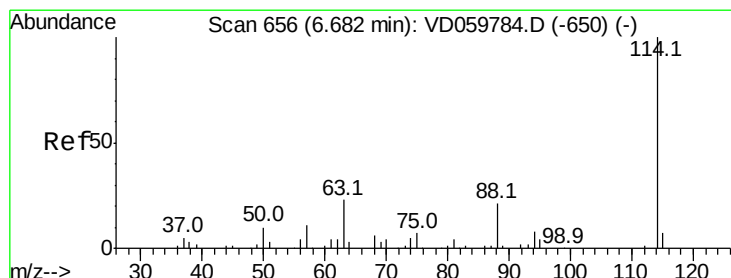
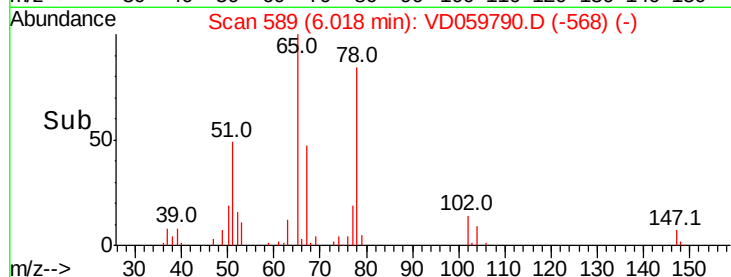
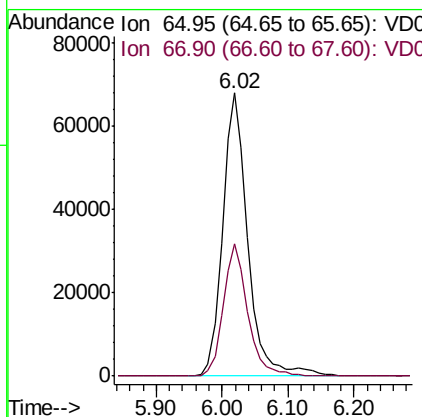
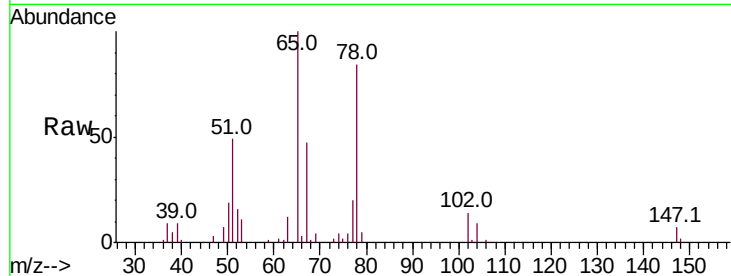




#33
 1,2-Dichloroethane-d4
 Concen: 19.238 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

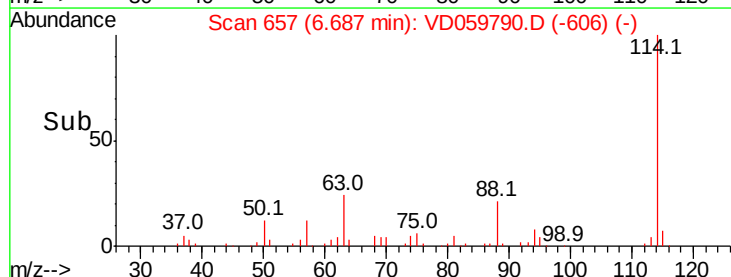
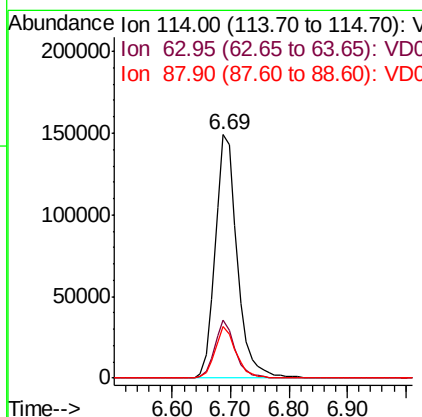
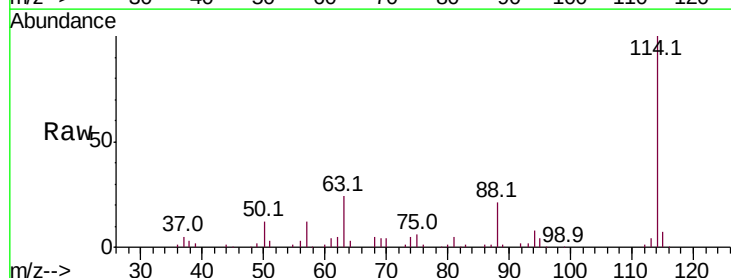
Instrument :
 MSVOA_D
 ClientSampled :

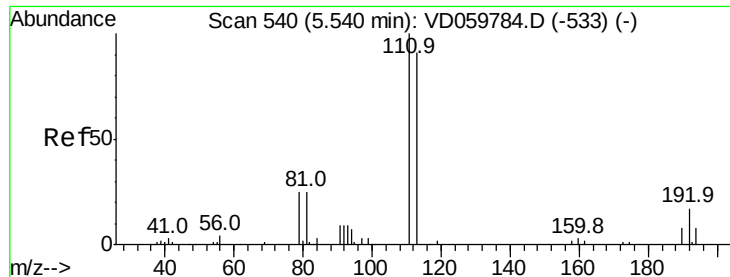
Tot Ion: 65 Resp: 180083
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion: 114 Resp: 389242
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 45.0
 88 21.3 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :
MSVOA_D
ClientSampleId :

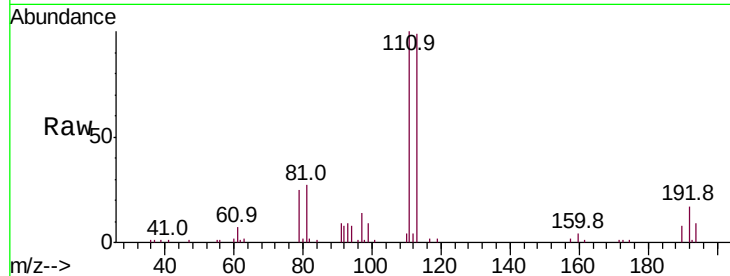
Tot Ion:113 Resp: 167573

Ion Ratio Lower Upper

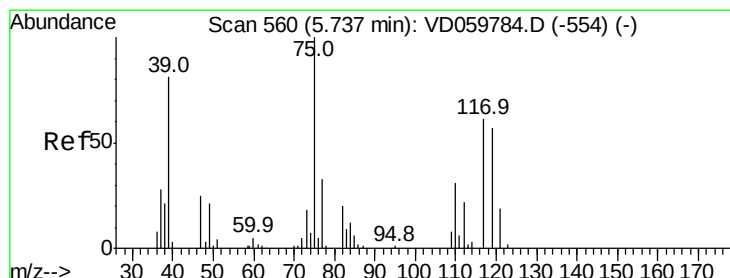
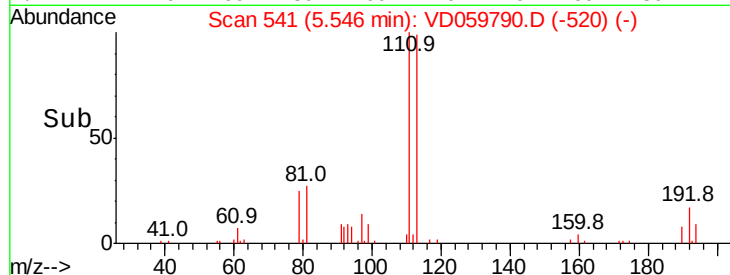
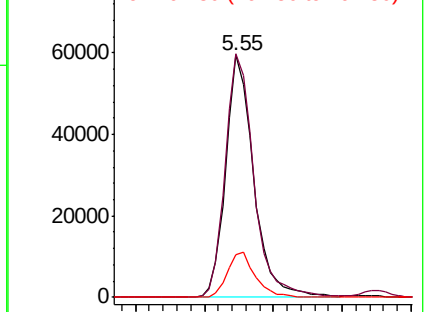
113 100

111 100.7 87.7 131.5

192 17.4 14.6 21.8



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: 19.174 ug/l

RT: 5.74 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

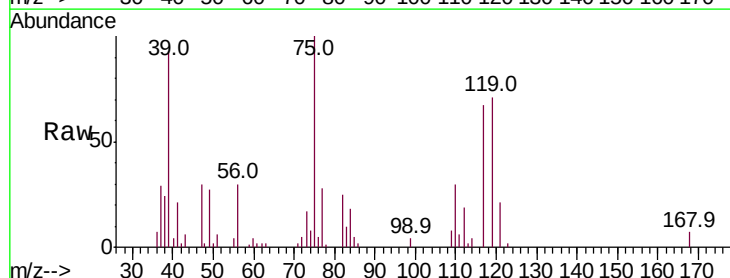
Tgt Ion: 75 Resp: 76571

Ion Ratio Lower Upper

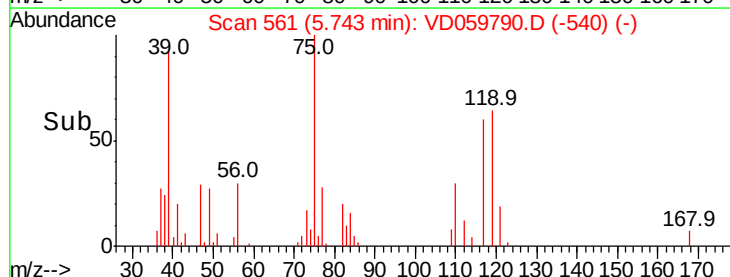
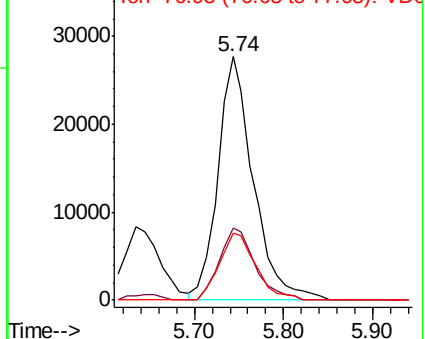
75 100

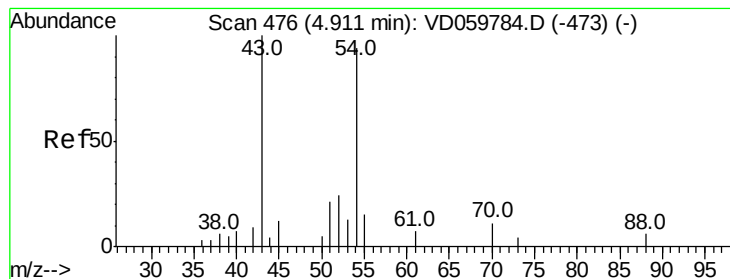
110 29.7 15.3 45.8

77 27.8 26.2 39.4



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: 20.008 ug/l

RT: 4.93 min Scan# 478

Delta R.T. 0.02 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

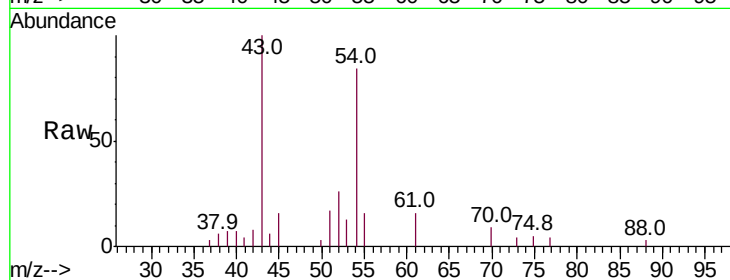
Tot Ion: 43 Resp: 39964

Ion Ratio Lower Upper

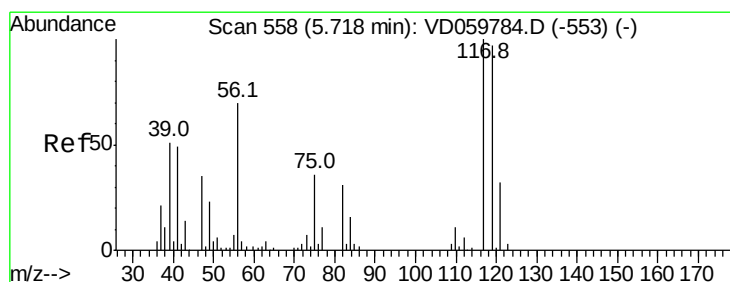
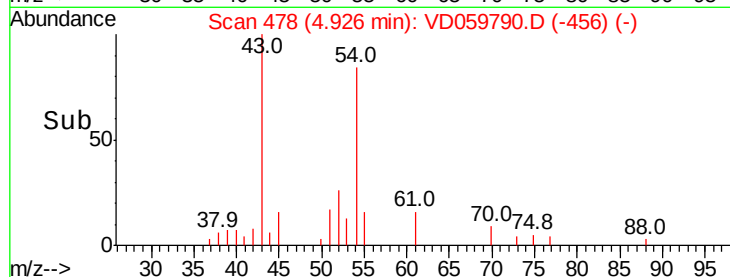
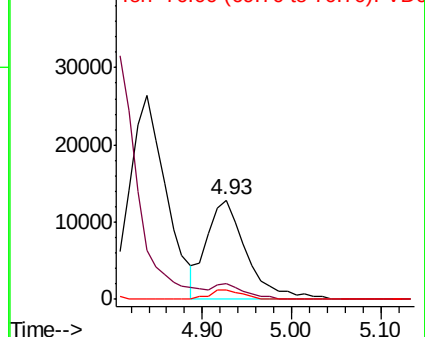
43 100

61 15.6 10.2 15.2#

70 9.2 5.8 8.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 18.785 ug/l

RT: 5.72 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

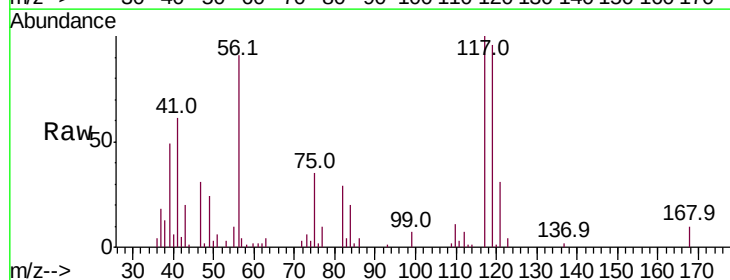
Tgt Ion: 117 Resp: 90506

Ion Ratio Lower Upper

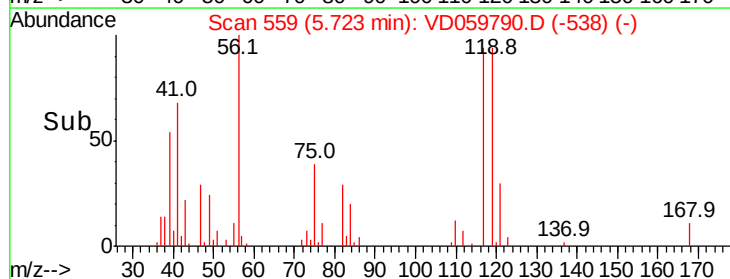
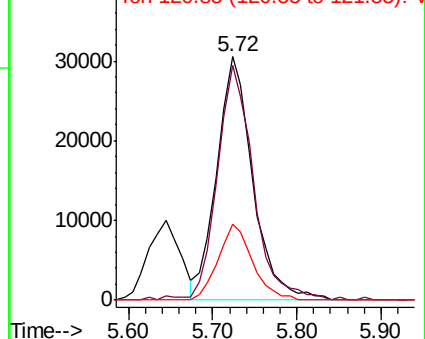
117 100

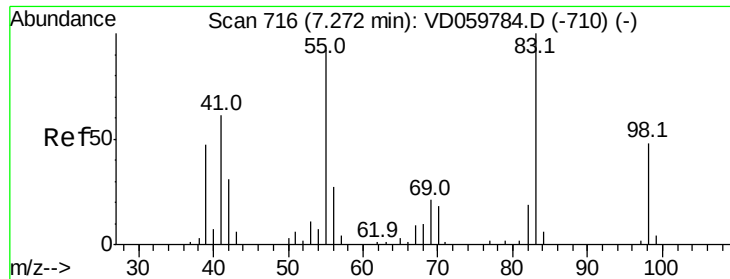
119 96.4 75.7 113.5

121 31.0 24.7 37.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

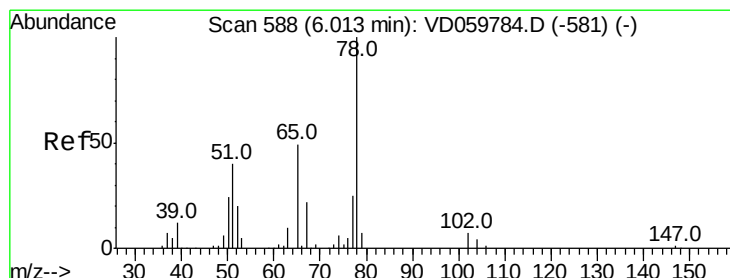
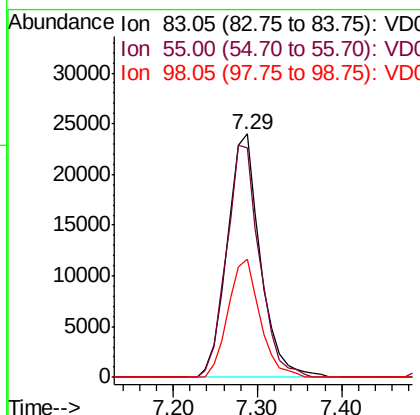
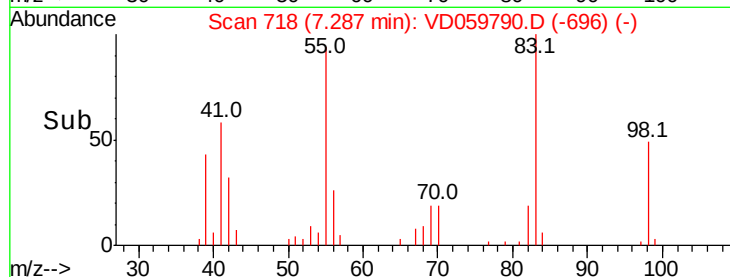
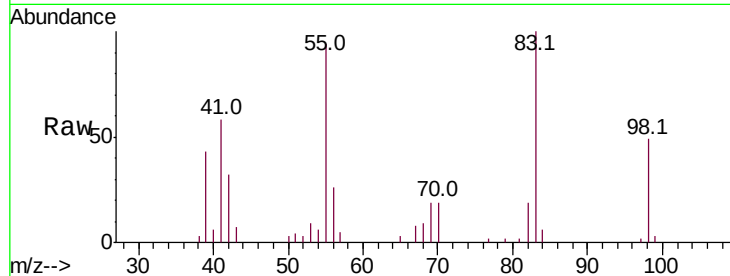




#39
Methylvlcyclohexane
Concen: 18.946 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.02 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

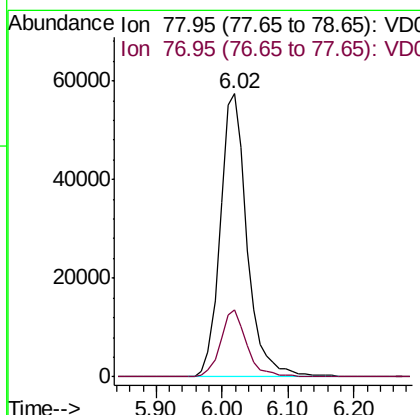
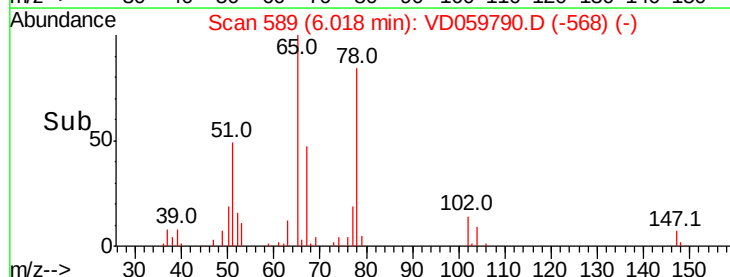
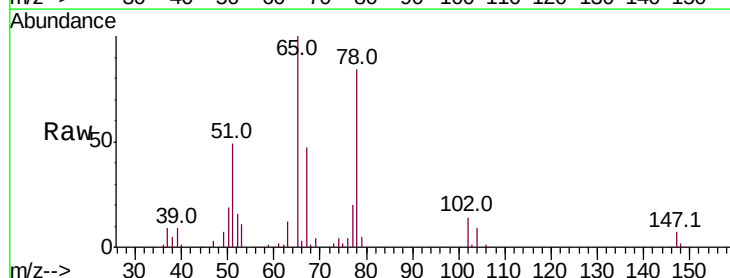
Instrument :
MSVOA_D
ClientSampleId :

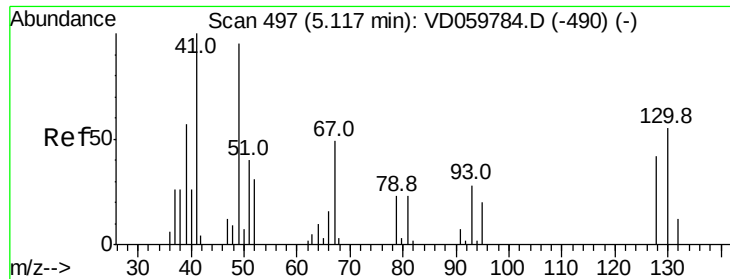
Tot Ion: 83 Resp: 65450
Ion Ratio Lower Upper
83 100
55 94.3 73.8 110.6
98 48.5 38.4 57.6



#40
Benzene
Concen: 19.268 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion: 78 Resp: 163218
Ion Ratio Lower Upper
78 100
77 23.7 19.6 29.4





#41

Methacrylonitrile

Concen: 20.343 ug/l

RT: 5.12 min Scan# 498

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 19440

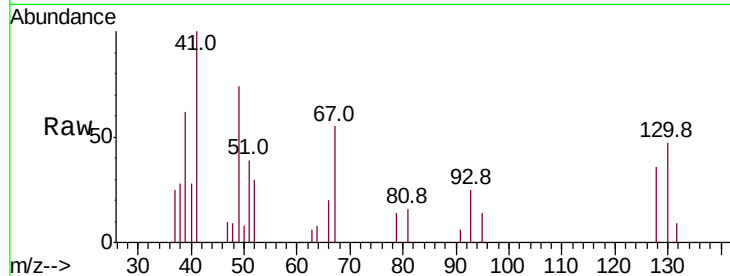
Ion Ratio Lower Upper

41 100

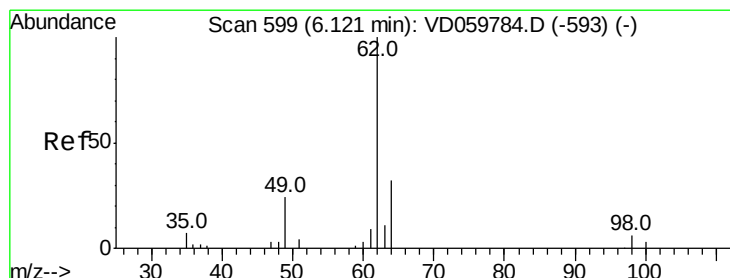
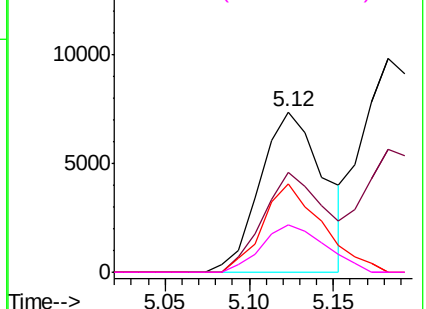
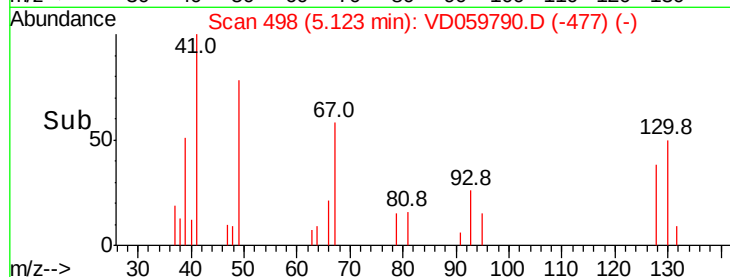
39 61.9 45.4 68.2

67 54.7 39.5 59.3

52 29.7 24.8 37.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
15000 Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.051 ug/l

RT: 6.13 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD059790.D

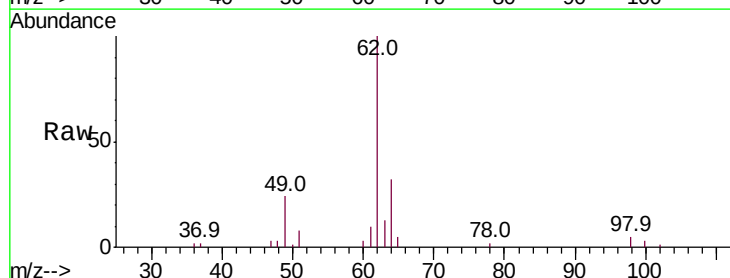
Acq: 15 Aug 2018 4:37

Tgt Ion: 62 Resp: 87334

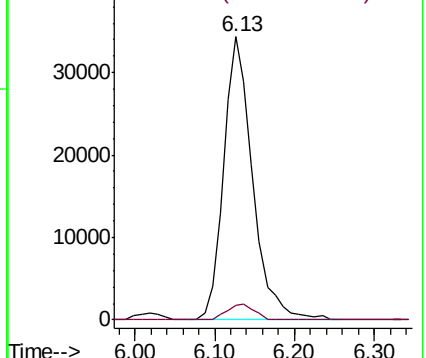
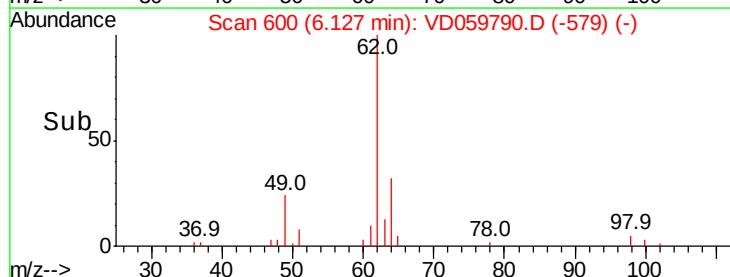
Ion Ratio Lower Upper

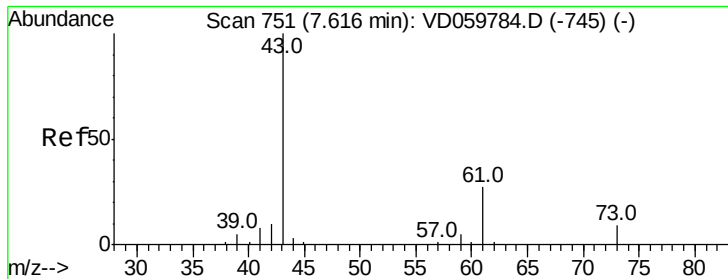
62 100

98 5.3 0.0 12.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
40000 Ion 97.85 (97.55 to 98.55): VDC



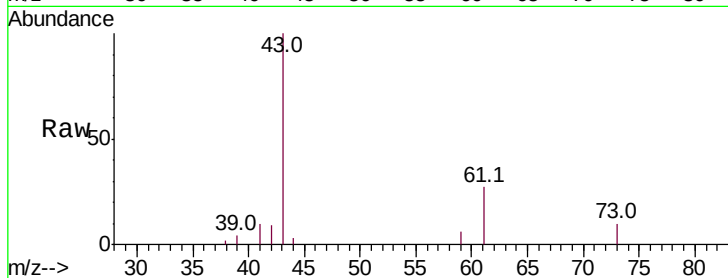


#43

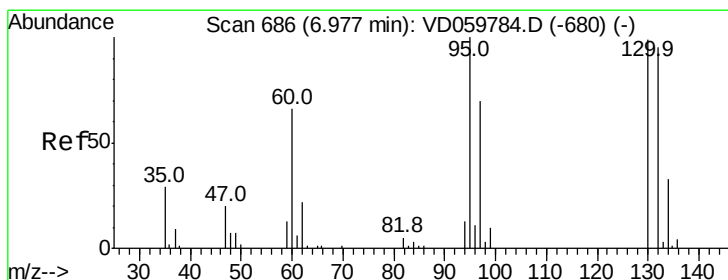
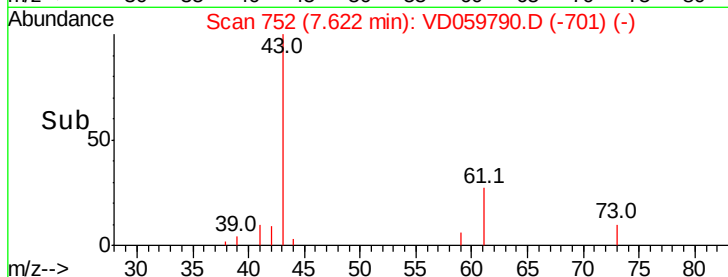
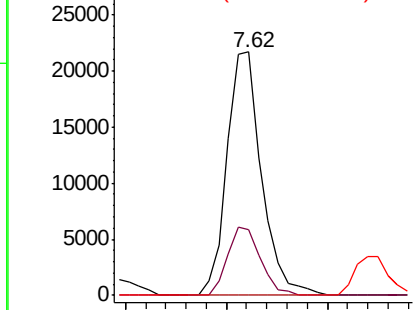
Isopropyl Acetate
 Concen: 20.460 ug/l
 RT: 7.62 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 51605
 Ion Ratio Lower Upper
 43 100
 61 26.8 21.2 31.8
 87 0.0 0.0 0.0



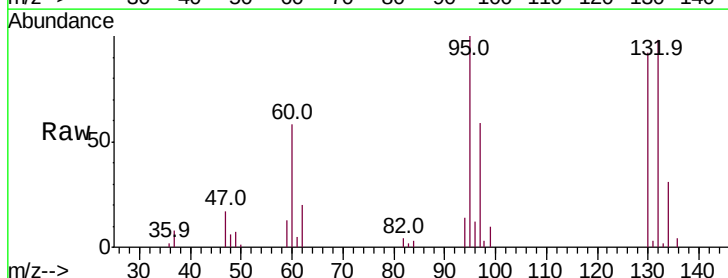
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



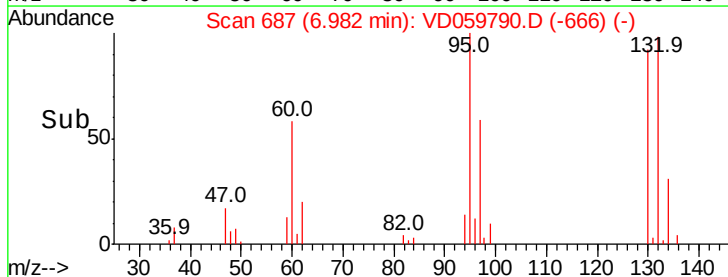
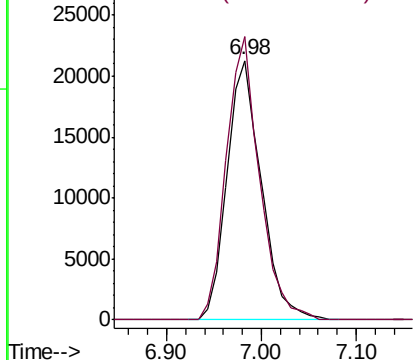
#44

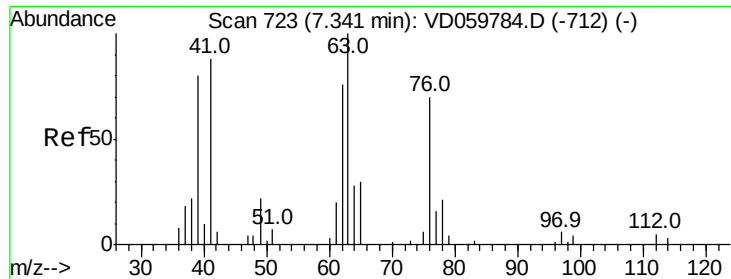
Trichloroethene
 Concen: 18.379 ug/l
 RT: 6.98 min Scan# 687
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion:130 Resp: 53310
 Ion Ratio Lower Upper
 130 100
 95 109.2 0.0 201.2



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

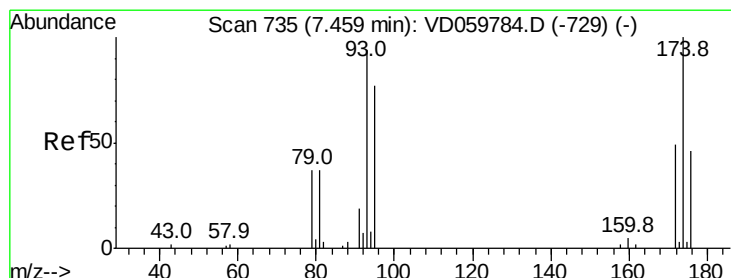
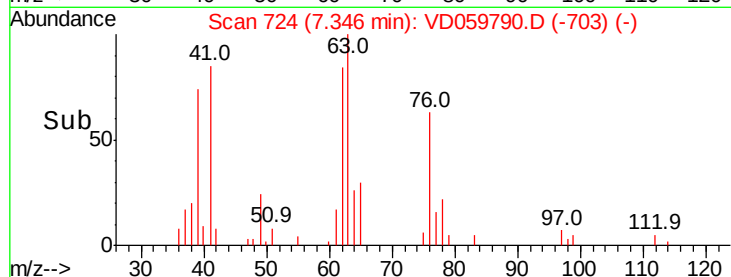
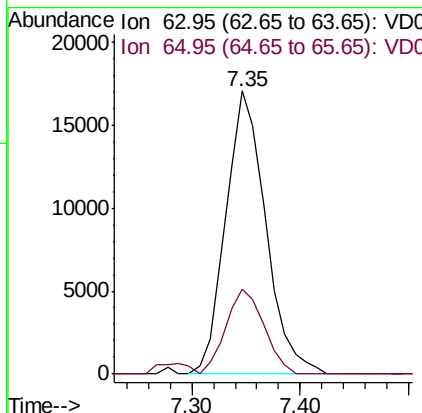
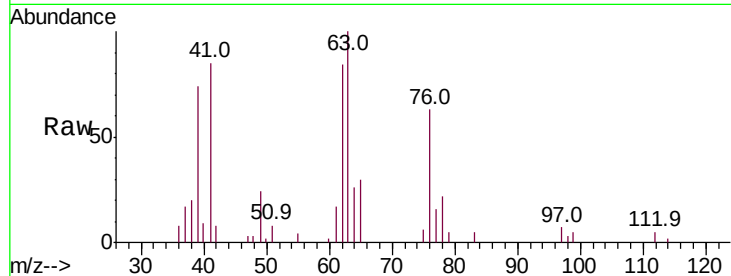




#45
 1,2-Dichloropropane
 Concen: 19.861 ug/l
 RT: 7.35 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

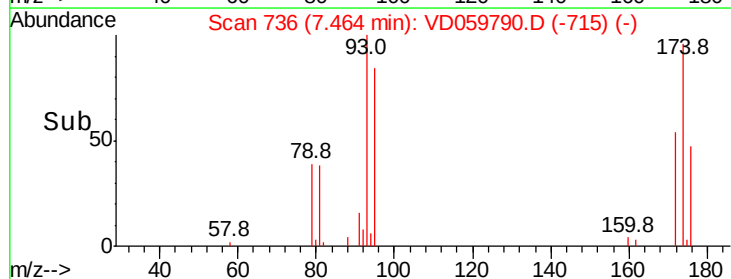
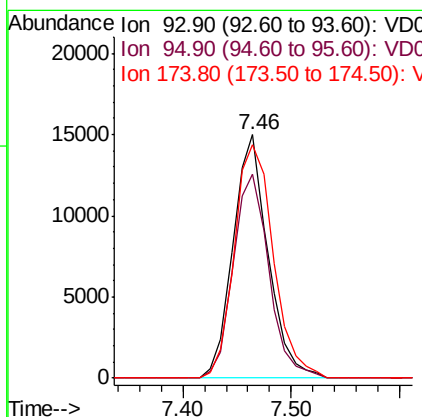
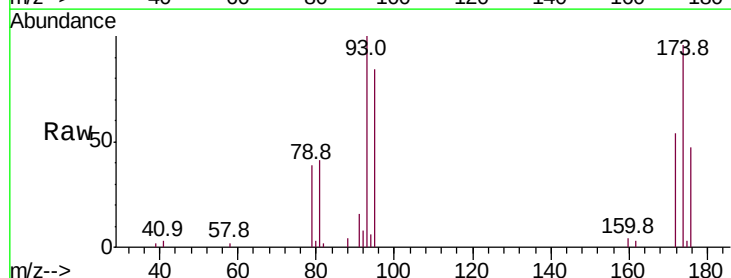
Instrument :
 MSVOA_D
 ClientSampleId :

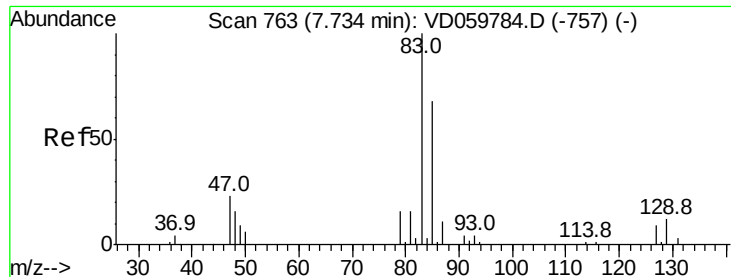
Tot Ion: 63 Resp: 43730
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.2 36.4



#46
 Dibromomethane
 Concen: 18.687 ug/l
 RT: 7.46 min Scan# 736
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion: 93 Resp: 33652
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.2 99.4
 174 95.6 85.5 128.3





#47

Bromodichloromethane

Concen: 19.084 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

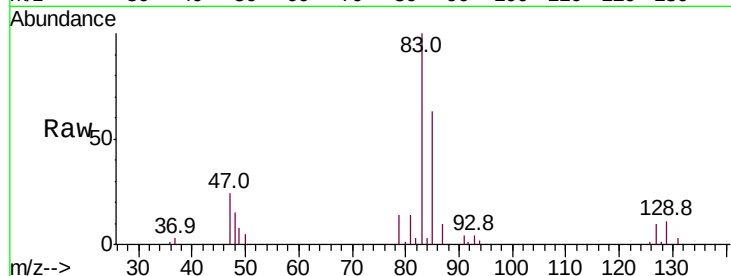
Tot Ion: 83 Resp: 84204

Ion Ratio Lower Upper

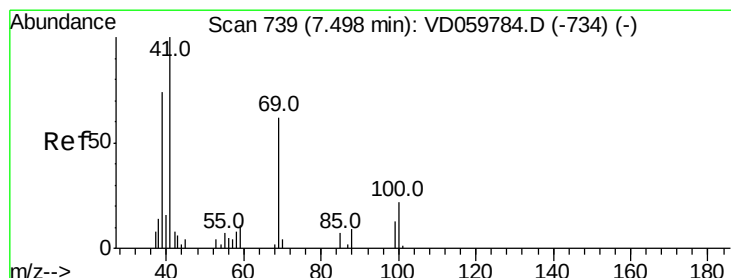
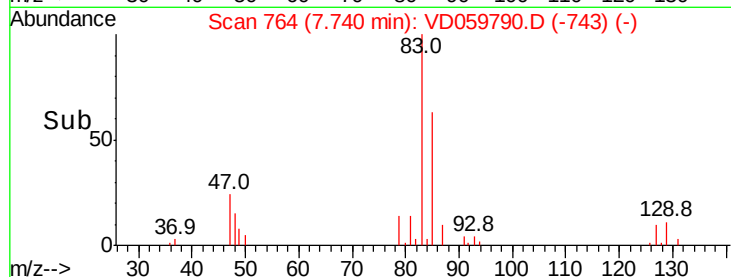
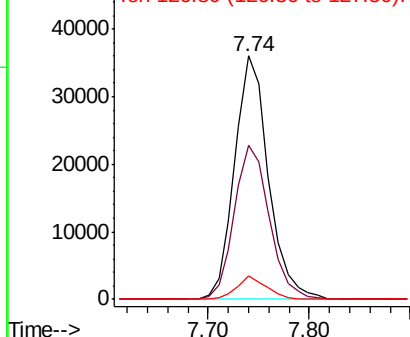
83 100

85 63.2 54.1 81.1

127 9.6 7.5 11.3



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: 19.872 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

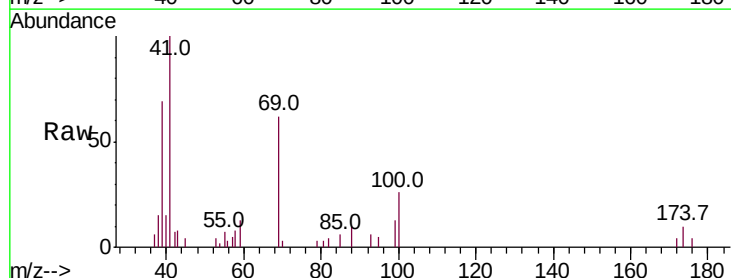
Tgt Ion: 41 Resp: 32706

Ion Ratio Lower Upper

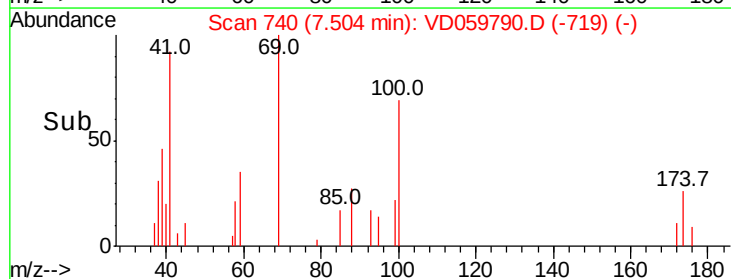
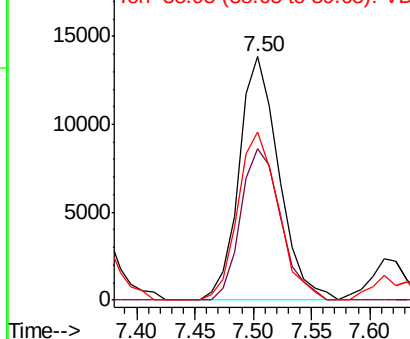
41 100

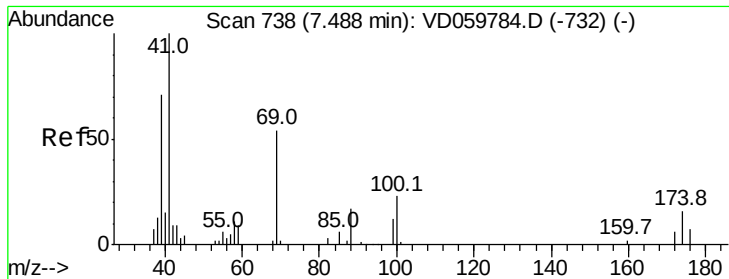
69 62.1 49.8 74.8

39 69.0 59.0 88.4



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





#49

1,4-Dioxane

Concen: 403.185 ug/l

RT: 7.49 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :
MSVOA_D
ClientSampled :

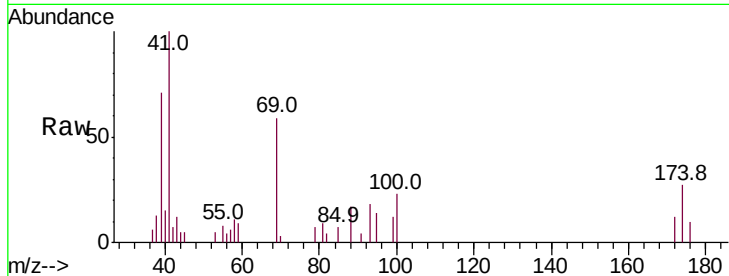
Tot Ion: 88 Resp: 5844

Ion Ratio Lower Upper

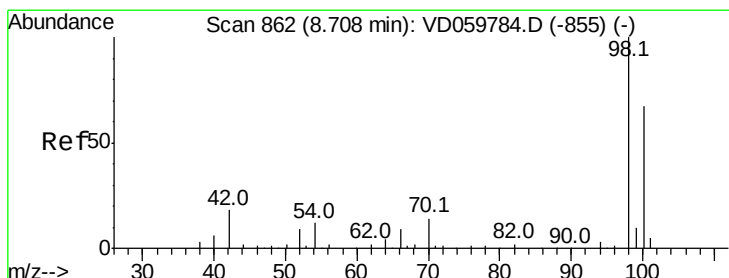
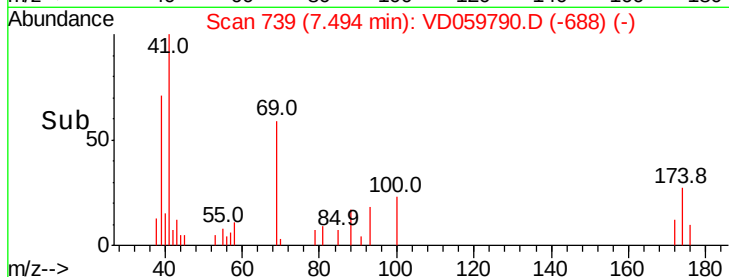
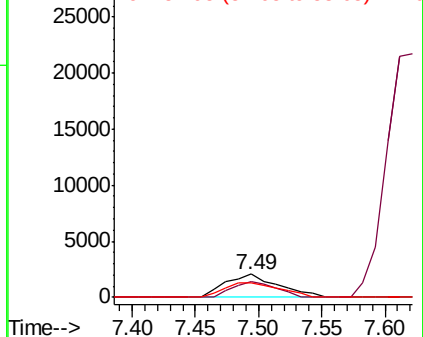
88 100

43 68.9 42.0 63.0#

58 64.4 51.4 77.0



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: 403.185 ug/l

RT: 8.70 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD059790.D

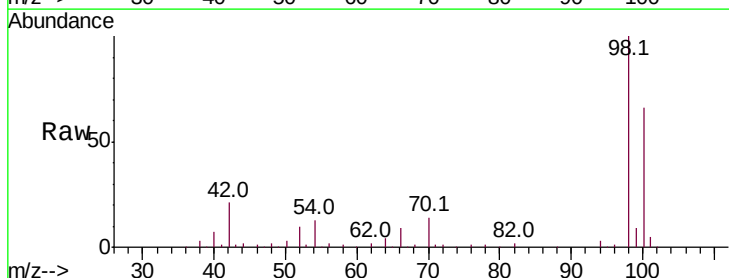
Acq: 15 Aug 2018 4:37

Tgt Ion: 98 Resp: 389123

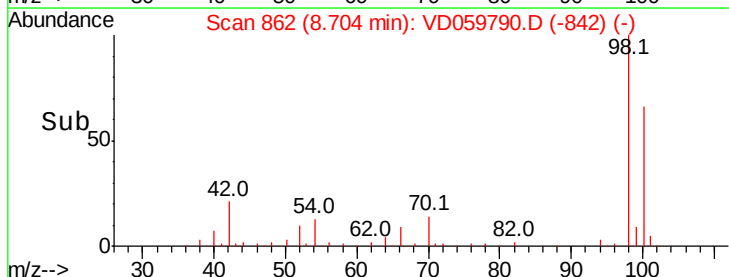
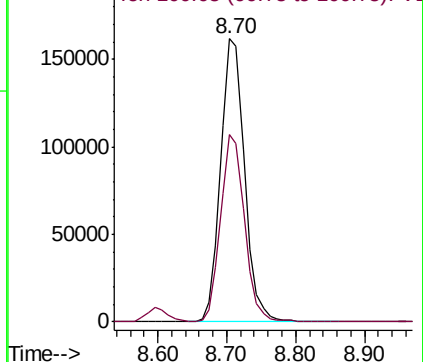
Ion Ratio Lower Upper

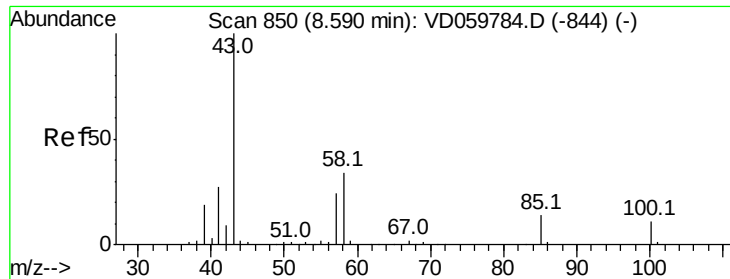
98 100

100 66.1 54.2 81.4



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: 88.342 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

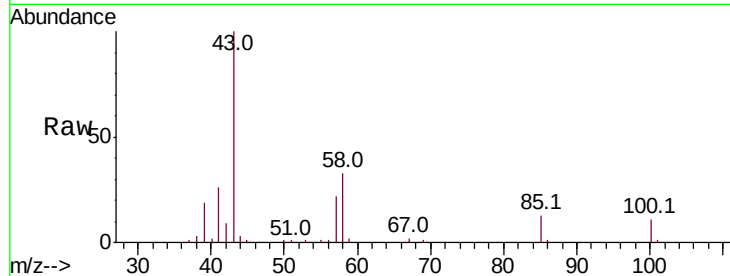
ClientSampleId :

Tot Ion: 43 Resp: 168432

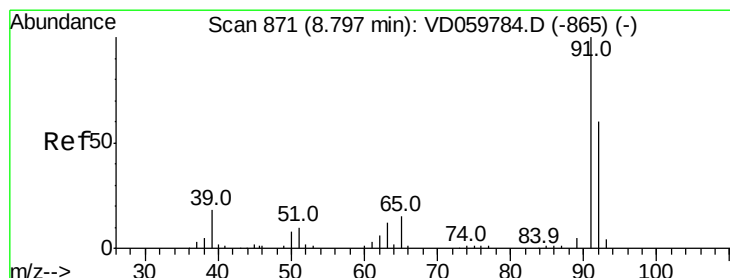
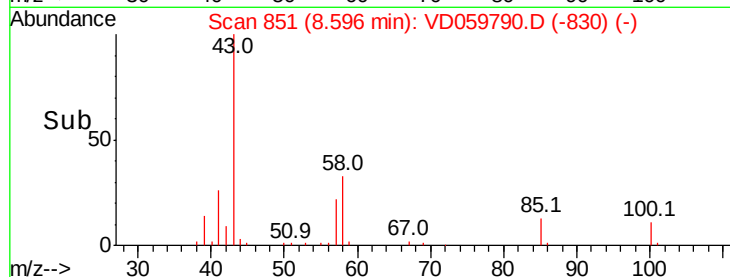
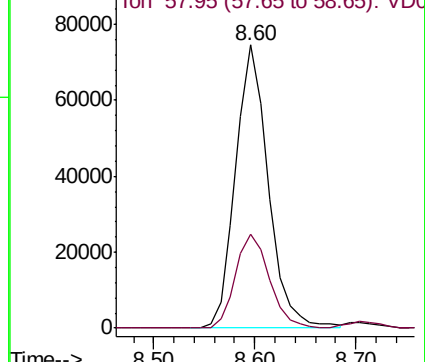
Ion Ratio Lower Upper

43 100

58 33.1 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC



#52

Toluene

Concen: 19.827 ug/l

RT: 8.80 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD059790.D

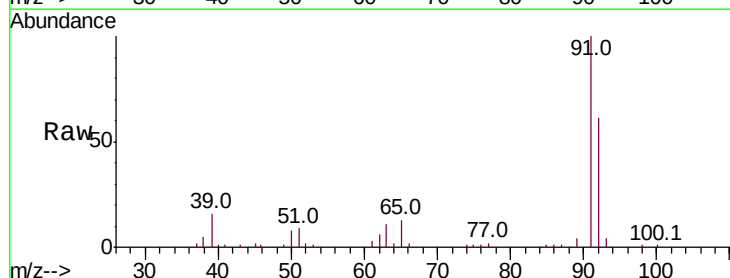
Acq: 15 Aug 2018 4:37

Tgt Ion: 92 Resp: 107590

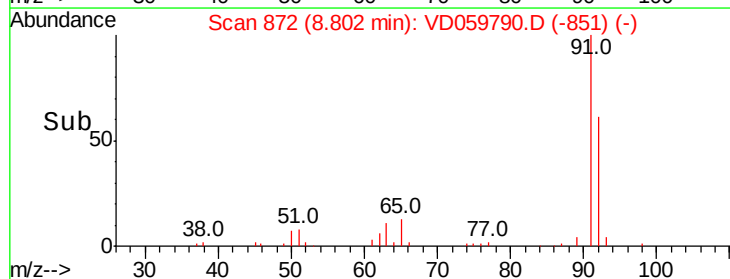
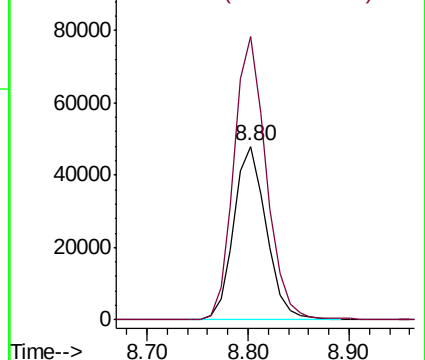
Ion Ratio Lower Upper

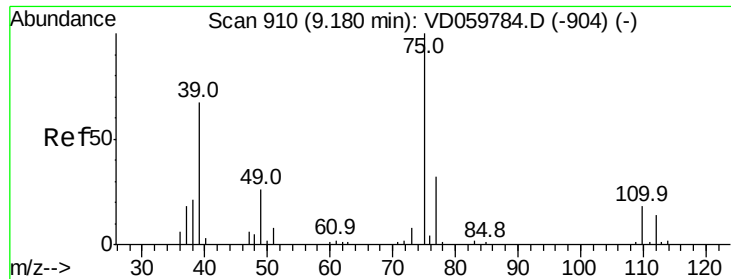
92 100

91 163.3 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.102 ug/l

RT: 9.19 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

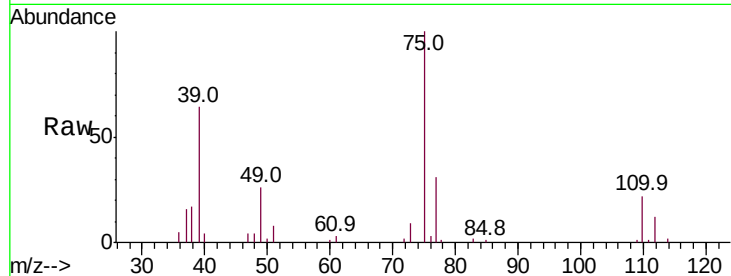
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 69880

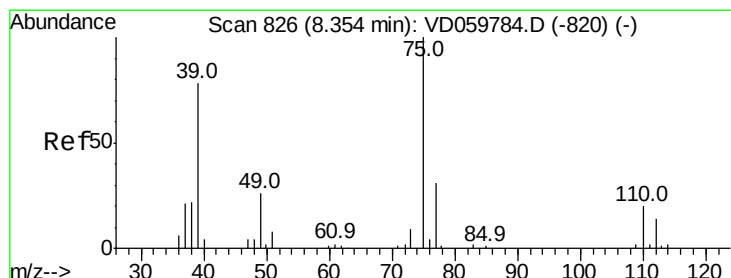
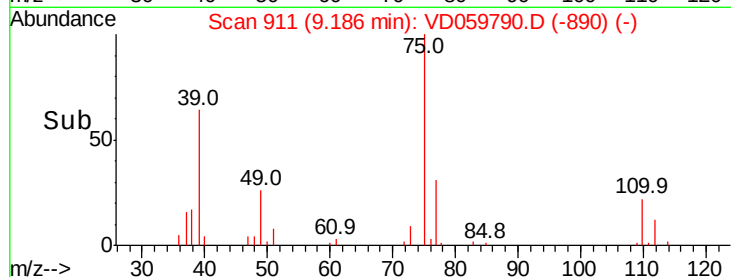
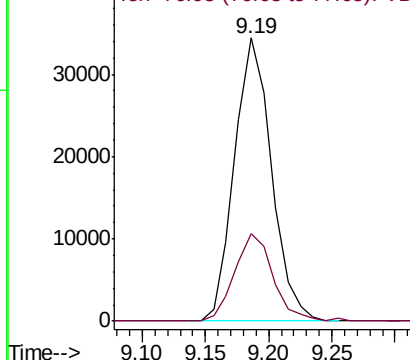
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2



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: 18.897 ug/l

RT: 8.36 min Scan# 827

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

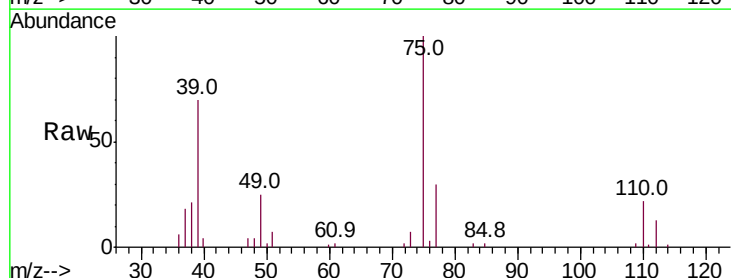
Tgt Ion: 75 Resp: 74709

Ion Ratio Lower Upper

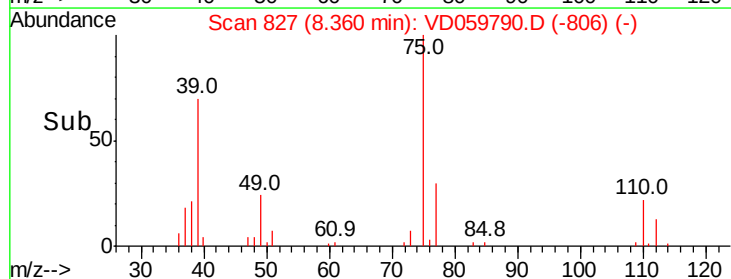
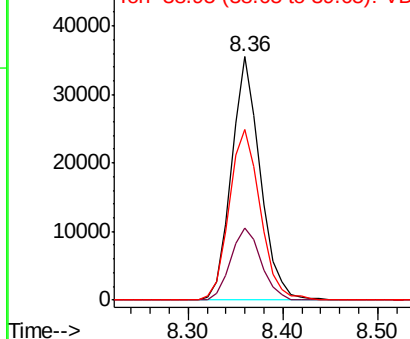
75 100

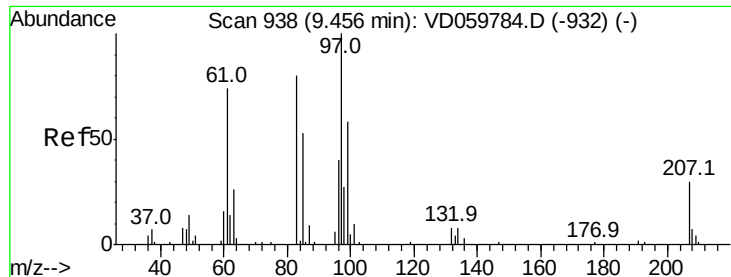
77 29.9 24.8 37.2

39 70.2 62.5 93.7



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: 20.386 ug/l

RT: 9.45 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 40841

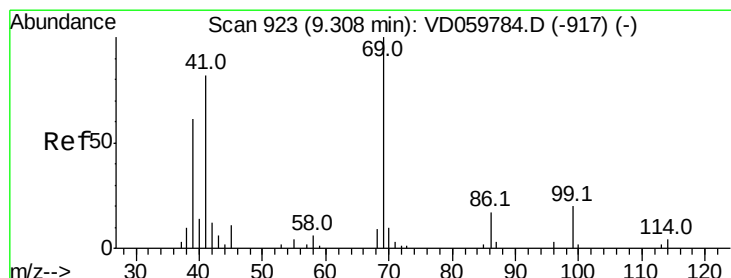
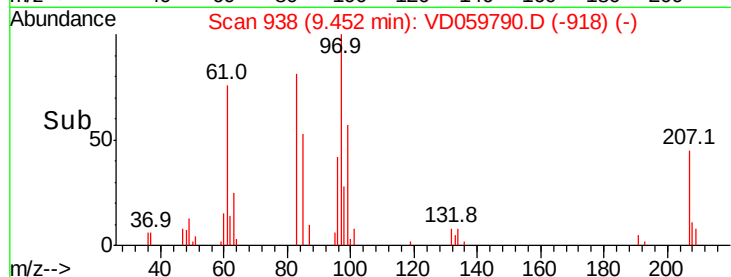
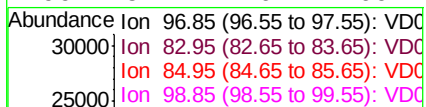
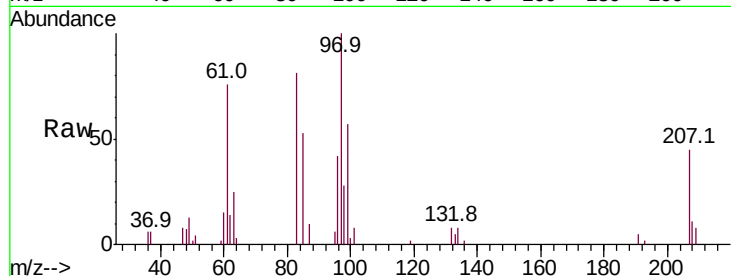
Ion	Ratio	Lower	Upper
97	100		
83	81.2	63.8	95.8
85	52.7	42.5	63.7
99	57.1	46.2	69.4

97 100

83 81.2 63.8 95.8

85 52.7 42.5 63.7

99 57.1 46.2 69.4



#56

Ethyl methacrylate

Concen: 20.081 ug/l

RT: 9.31 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

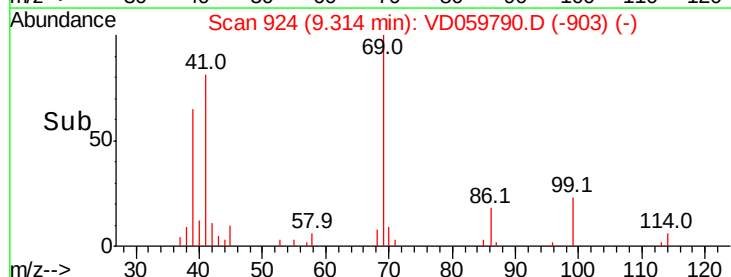
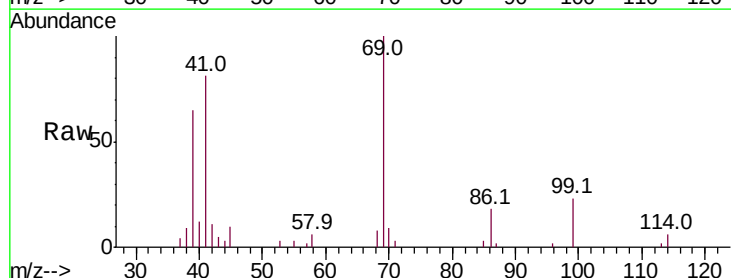
Tgt Ion: 69 Resp: 43568

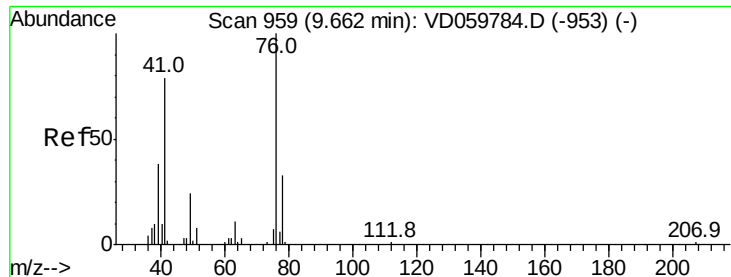
Ion	Ratio	Lower	Upper
69	100		
41	81.3	65.8	98.8
39	64.8	49.7	74.5

69 100

41 81.3 65.8 98.8

39 64.8 49.7 74.5





#57

1,3-Dichloropropane

Concen: 18.817 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

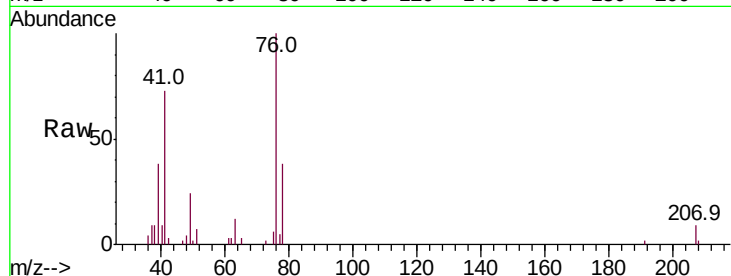
ClientSampled :

Tot Ion: 76 Resp: 59053

Ion Ratio Lower Upper

76 100

78 37.9 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.67

30000

25000

20000

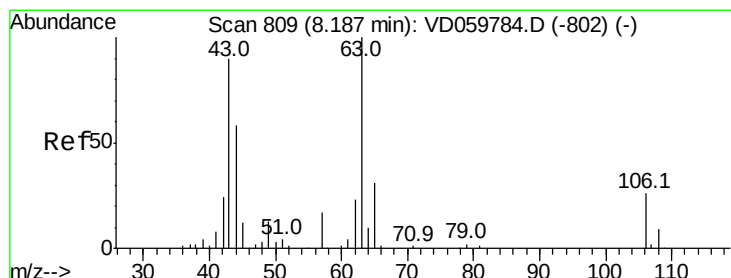
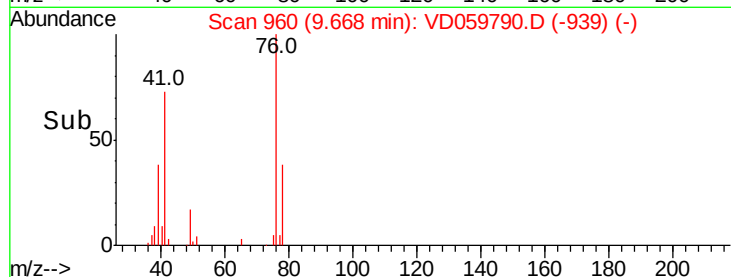
15000

10000

5000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#58

2-Chloroethyl Vinyl ether

Concen: 103.014 ug/l

RT: 8.18 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD059790.D

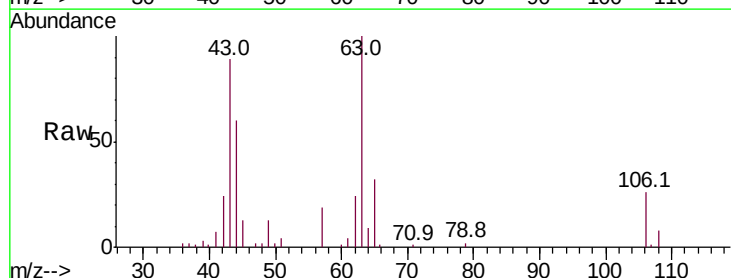
Acq: 15 Aug 2018 4:37

Tgt Ion: 63 Resp: 110464

Ion Ratio Lower Upper

63 100

106 25.5 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.18

50000

40000

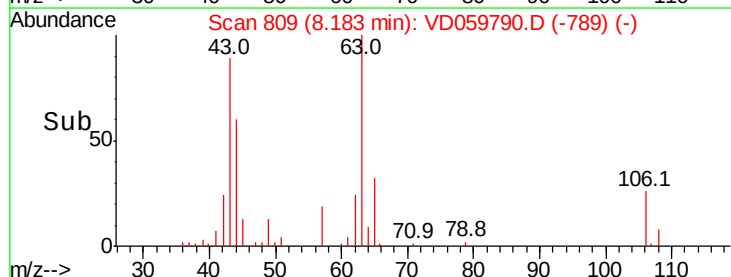
30000

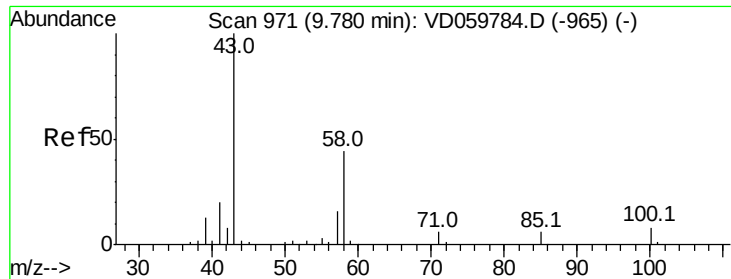
20000

10000

0

Time--> 8.10 8.20 8.30

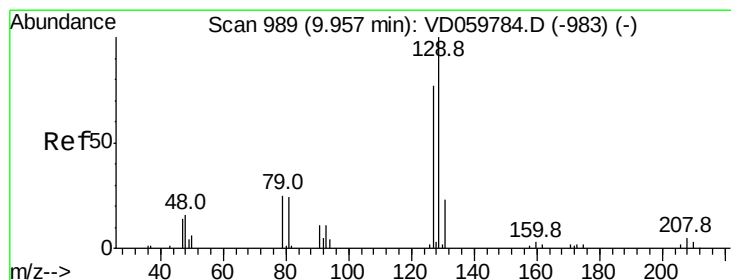
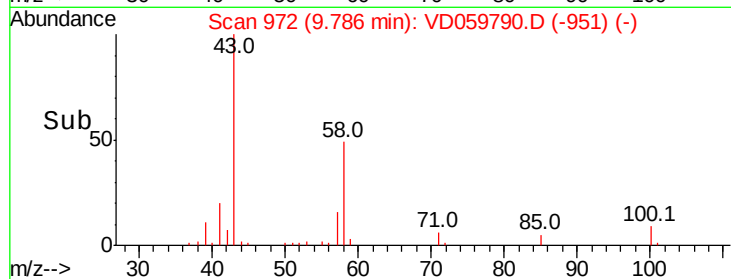
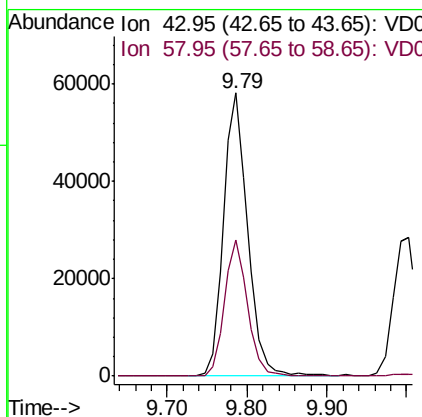
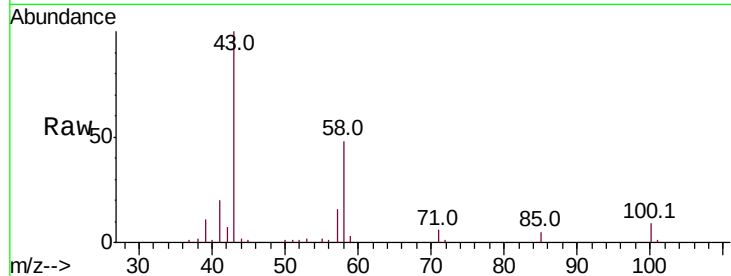




#59
2-Hexanone
Concen: 90.574 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

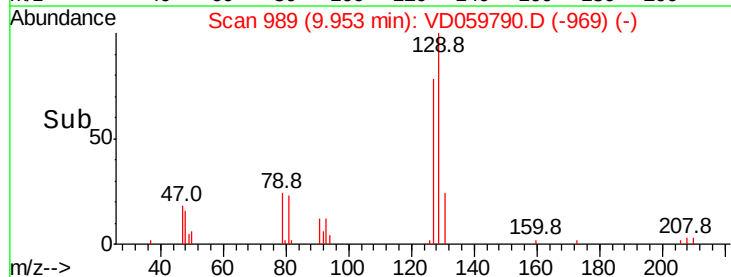
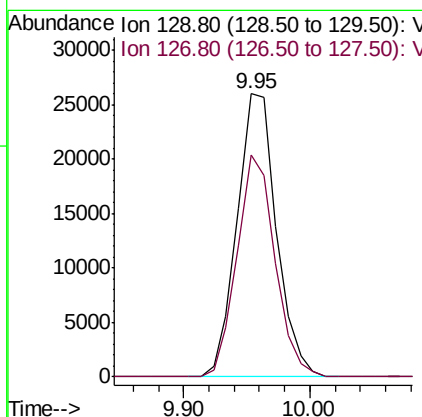
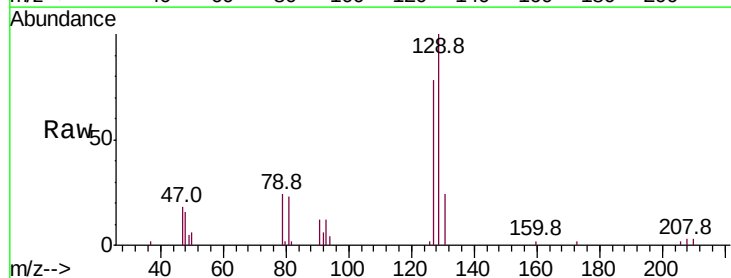
Instrument :
MSVOA_D
ClientSampled :

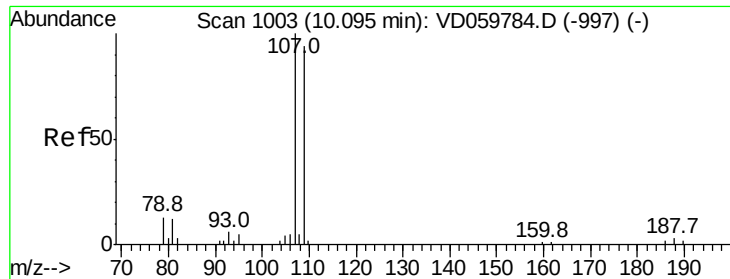
Tot Ion: 43 Resp: 123829
Ion Ratio Lower Upper
43 100
58 48.2 22.3 66.8



#60
Dibromochloromethane
Concen: 19.414 ug/l
RT: 9.95 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion:129 Resp: 56471
Ion Ratio Lower Upper
129 100
127 78.3 38.4 115.1

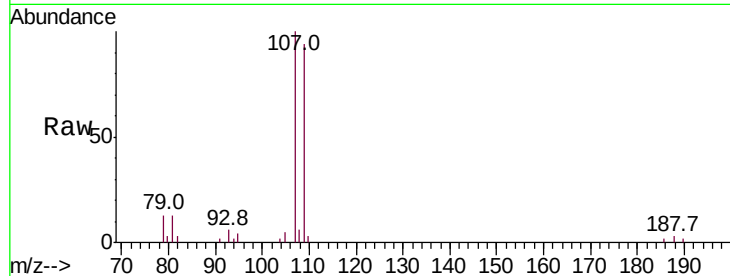




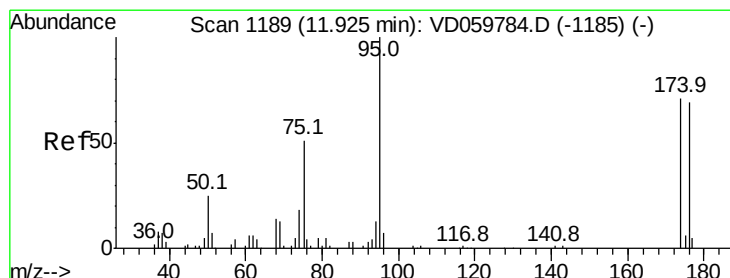
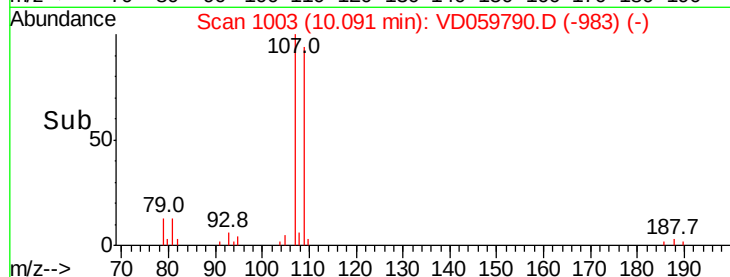
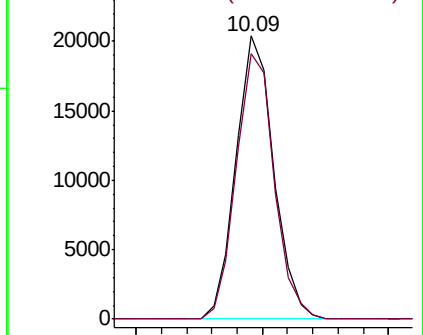
#61
 1,2-Dibromoethane
 Concen: 19.077 ug/l
 RT: 10.09 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:107 Resp: 42335
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.2 112.8

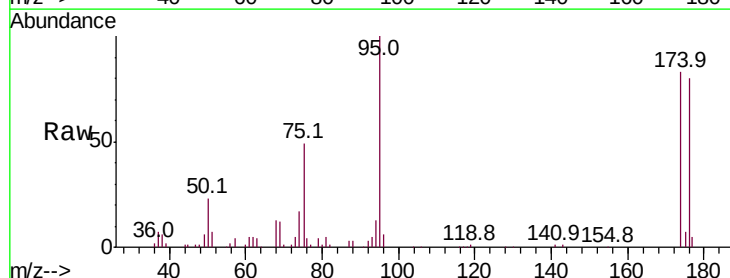


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.90 (108.60 to 109.60): V

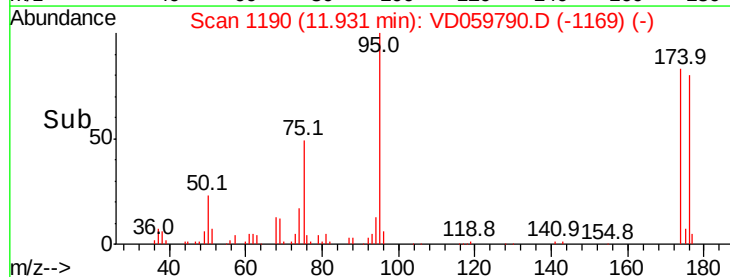
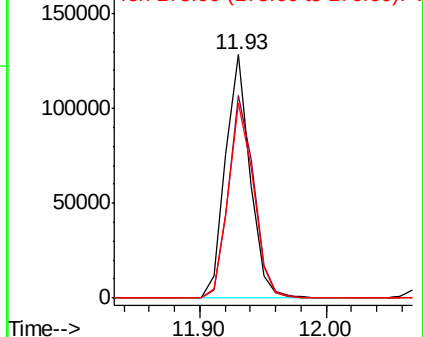


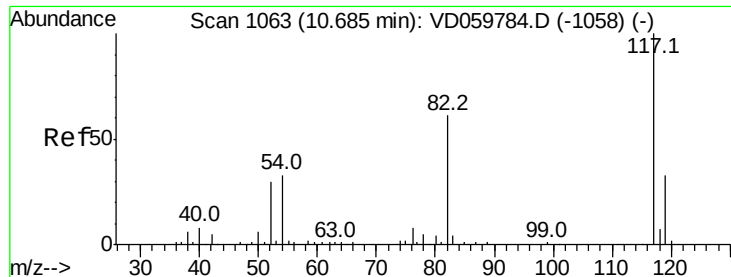
#62
 4-Bromofluorobenzene
 Concen: 19.077 ug/l
 RT: 11.93 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion: 95 Resp: 171826
 Ion Ratio Lower Upper
 95 100
 174 83.3 0.0 142.2
 176 80.0 0.0 137.4



Abundance Ion 95.00 (94.70 to 95.70): VDC
 Ion 173.90 (173.60 to 174.60): V
 Ion 175.90 (175.60 to 176.60): V

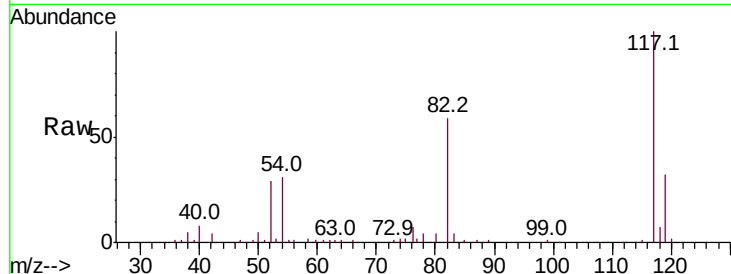




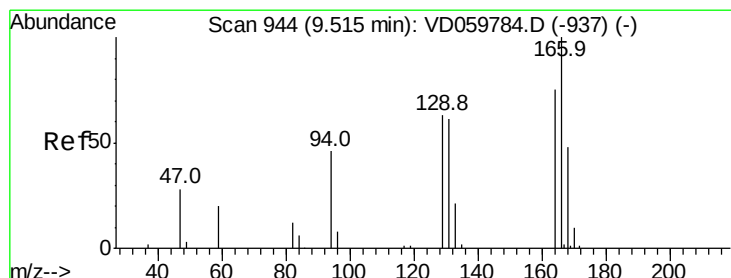
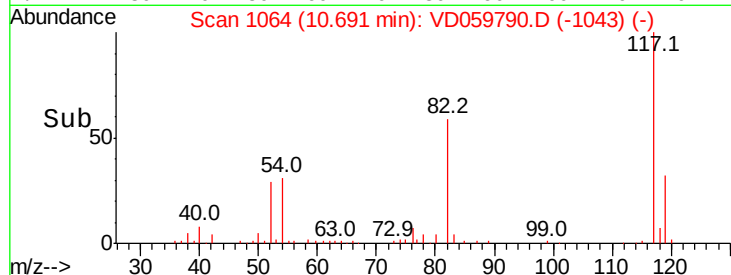
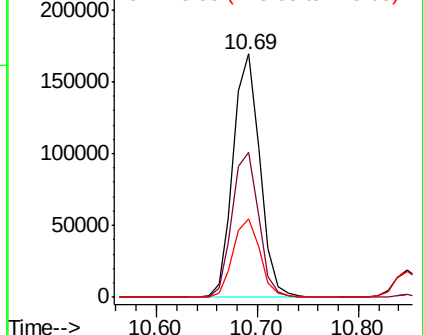
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 311995
Ion Ratio Lower Upper
117 100
82 59.4 49.0 73.6
119 32.5 26.2 39.2

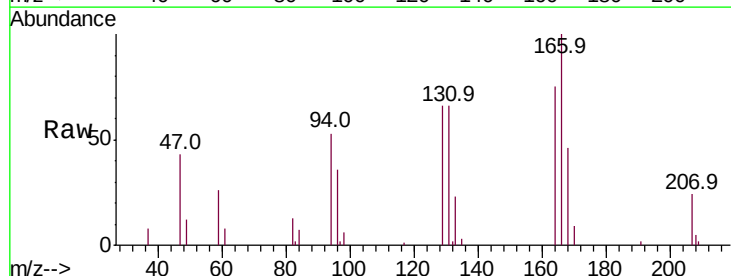


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

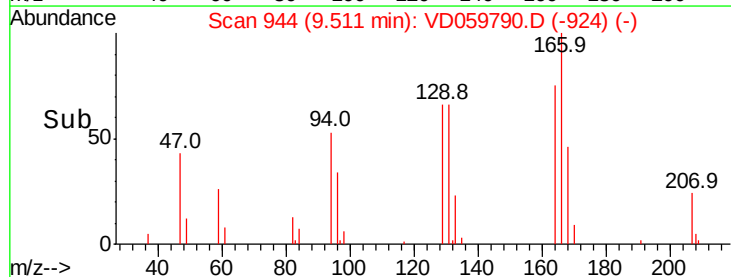
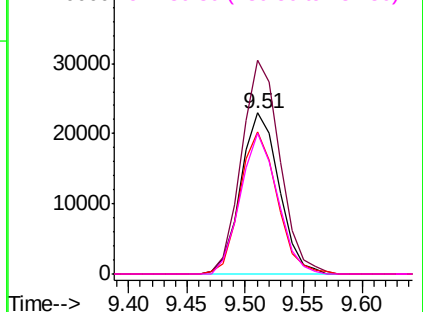


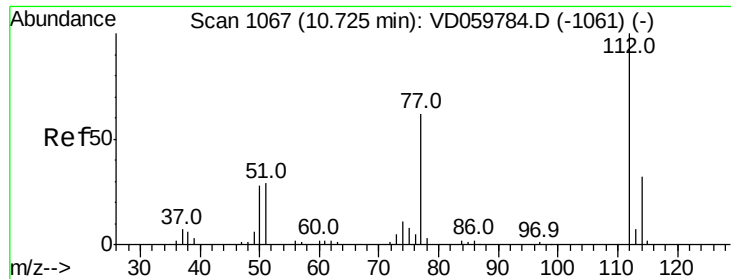
#64
Tetrachloroethene
Concen: 19.413 ug/l
RT: 9.51 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion:164 Resp: 52165
Ion Ratio Lower Upper
164 100
166 132.5 106.8 160.2
129 87.8 67.2 100.8
131 87.0 64.7 97.1



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

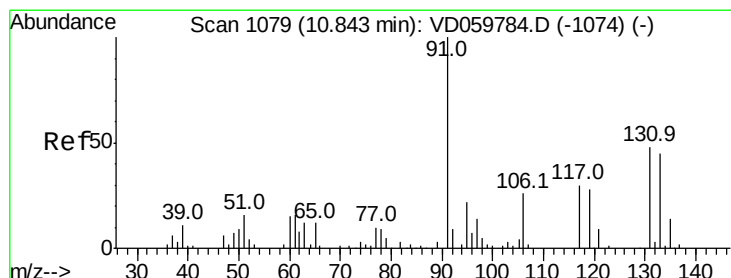
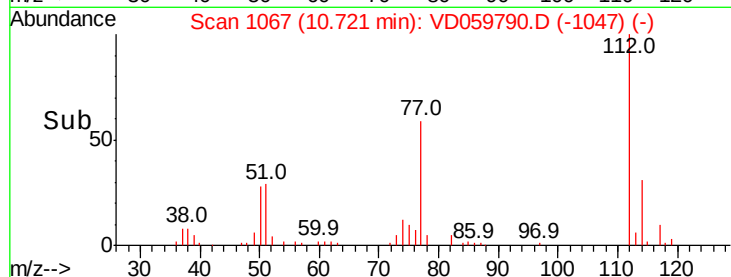
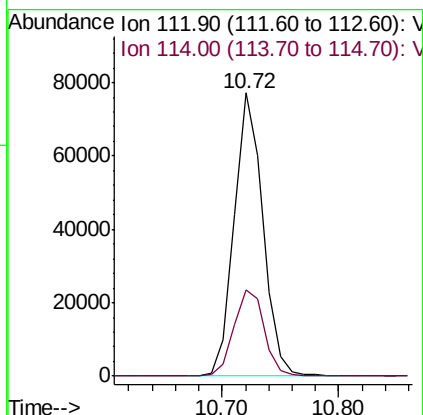
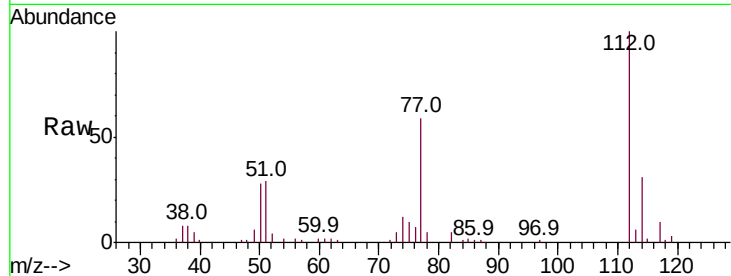




#65
Chlorobenzene
Concen: 20.781 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

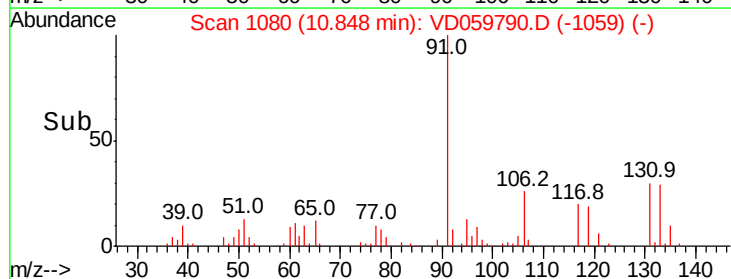
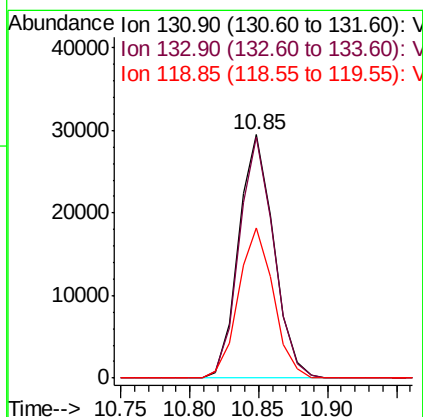
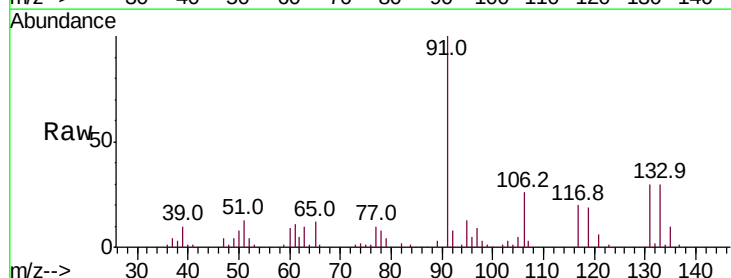
Instrument :
MSVOA_D
ClientSampleId :

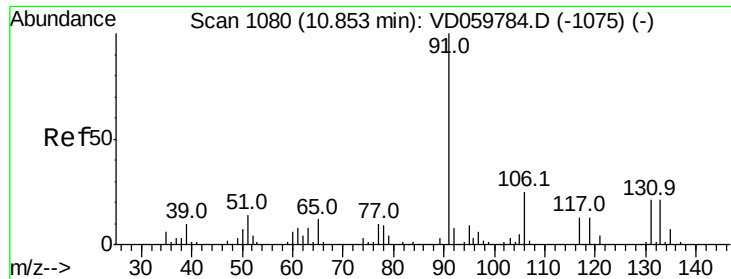
Tot Ion:112 Resp: 131303
Ion Ratio Lower Upper
112 100
114 30.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.521 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion:131 Resp: 52261
Ion Ratio Lower Upper
131 100
133 99.2 47.0 141.0
119 61.8 29.0 87.1





#67

Ethyl Benzene

Concen: 20.607 ug/l

RT: 10.86 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

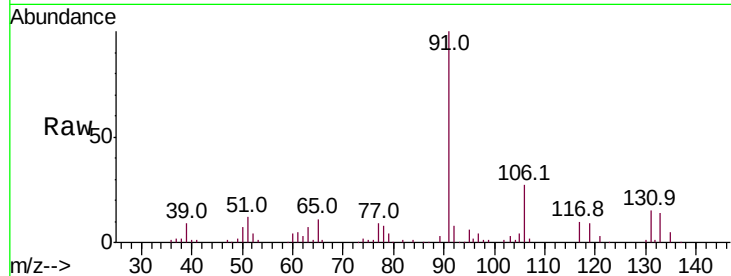
ClientSampled :

Tot Ion: 91 Resp: 224176

Ion Ratio Lower Upper

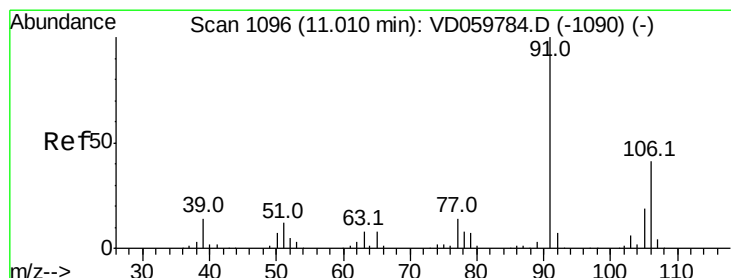
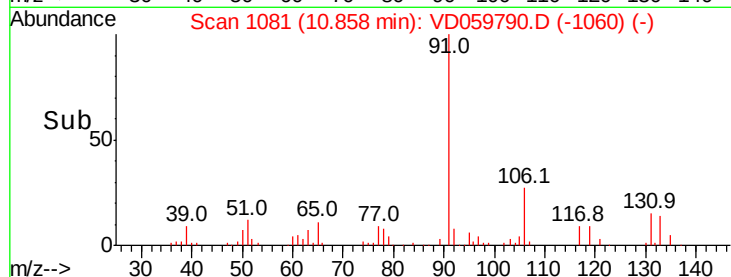
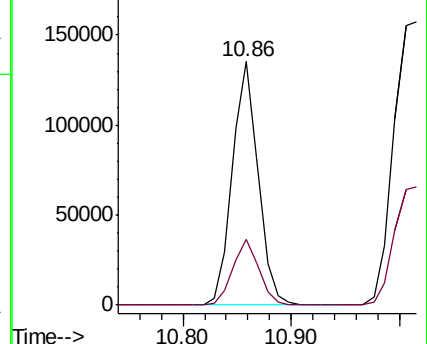
91 100

106 26.9 20.1 30.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 39.403 ug/l

RT: 11.02 min Scan# 1097

Delta R.T. 0.01 min

Lab File: VD059790.D

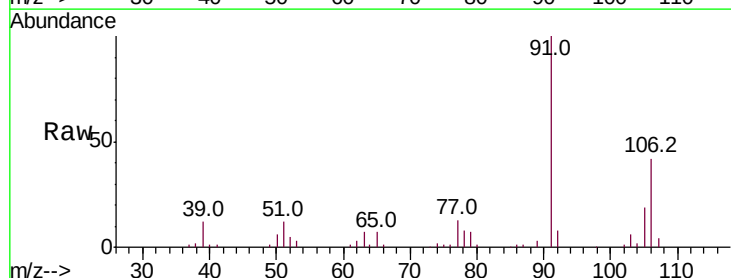
Acq: 15 Aug 2018 4:37

Tgt Ion:106 Resp: 145290

Ion Ratio Lower Upper

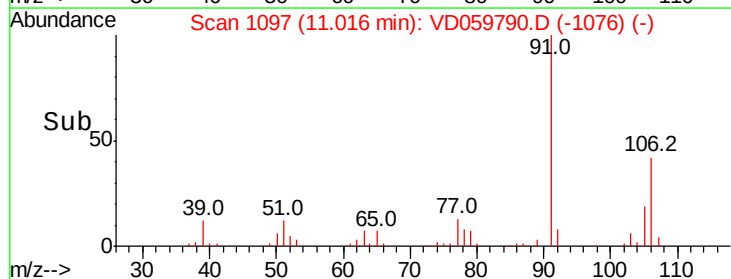
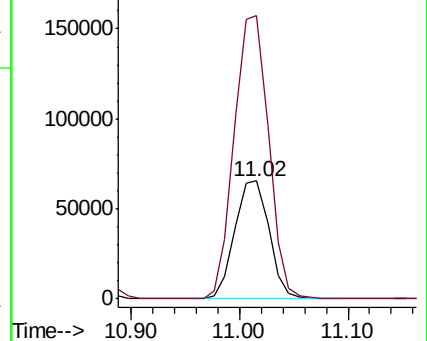
106 100

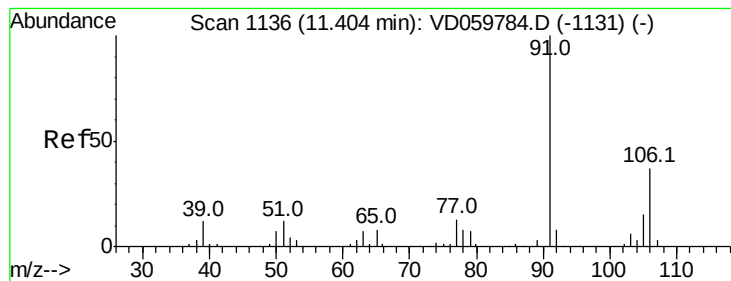
91 239.4 197.4 296.0



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC





#69

o-Xylene

Concen: 20.094 ug/l

RT: 11.40 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

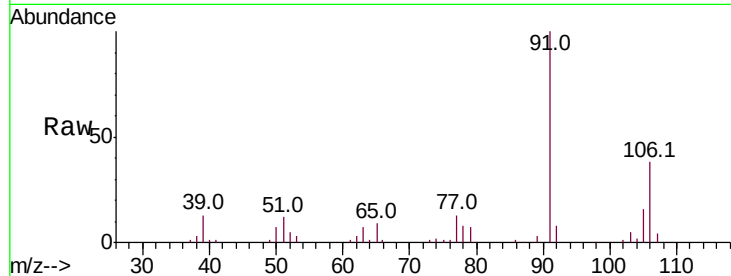
ClientSampled :

Tot Ion:106 Resp: 71119

Ion Ratio Lower Upper

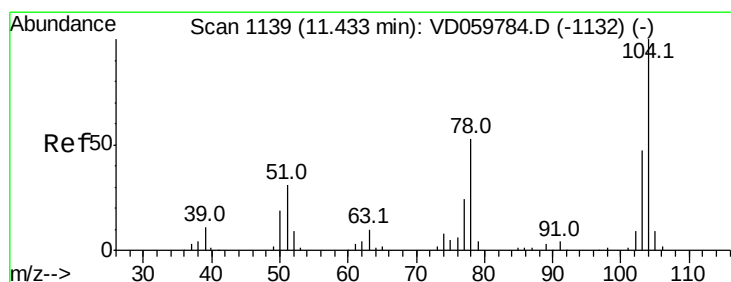
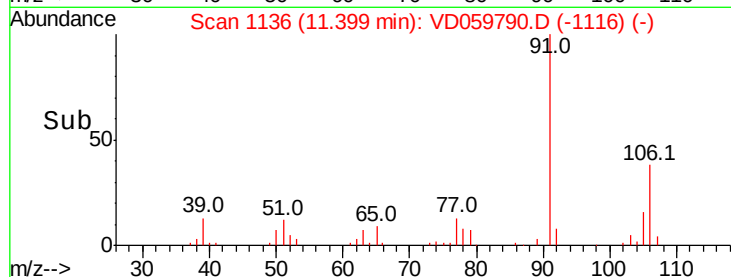
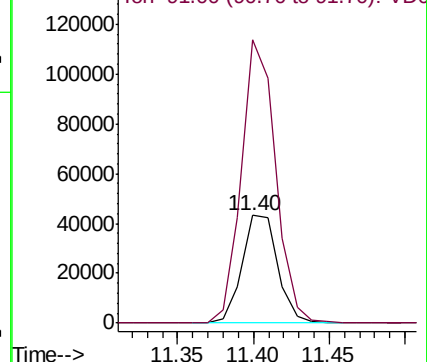
106 100

91 262.7 133.7 401.1



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 19.119 ug/l

RT: 11.43 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

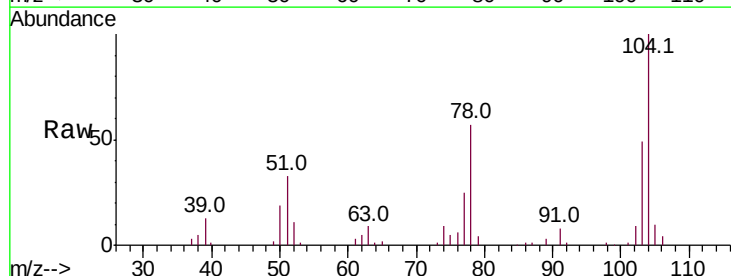
Tgt Ion:104 Resp: 120004

Ion Ratio Lower Upper

104 100

78 57.0 42.6 64.0

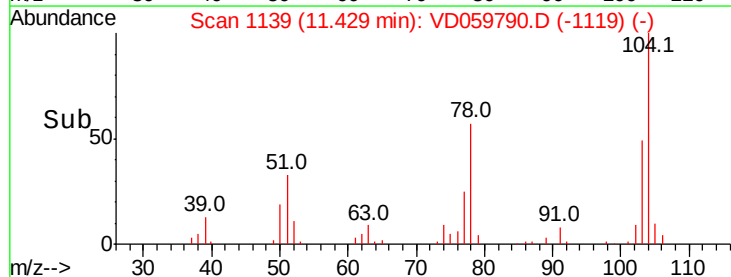
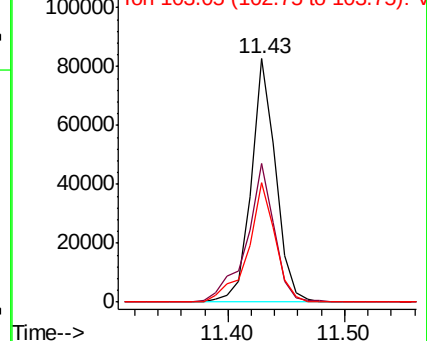
103 49.0 37.8 56.6

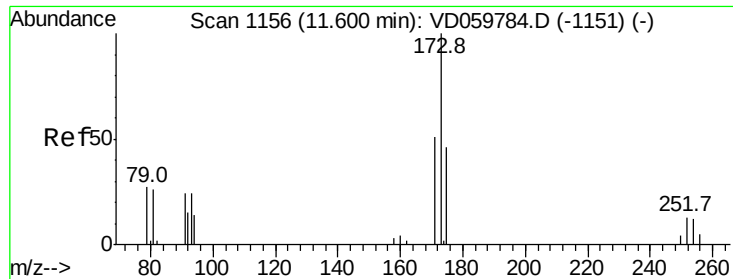


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 19.409 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

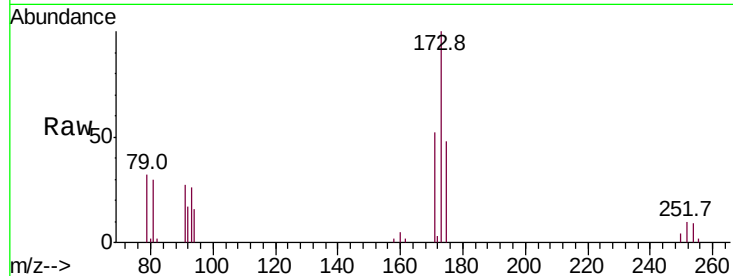
Tot Ion:173 Resp: 35929

Ion Ratio Lower Upper

173 100

175 48.2 23.1 69.2

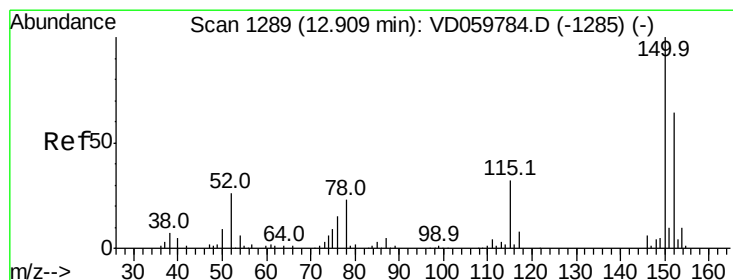
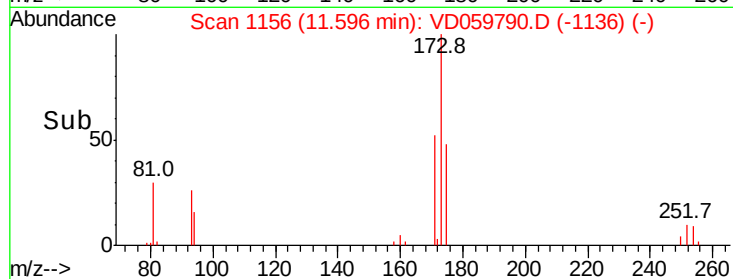
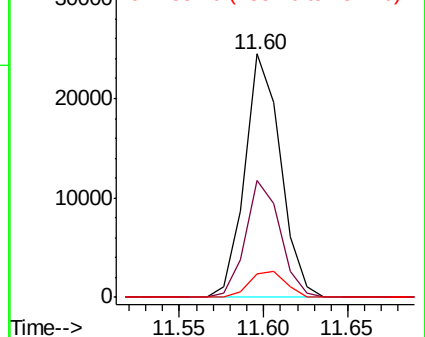
254 9.4 9.7 14.5#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

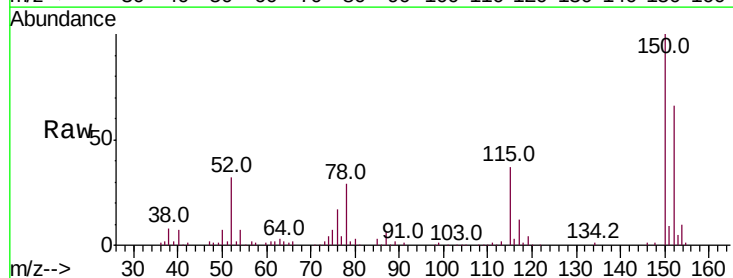
Tgt Ion:152 Resp: 172210

Ion Ratio Lower Upper

152 100

115 56.5 27.2 81.5

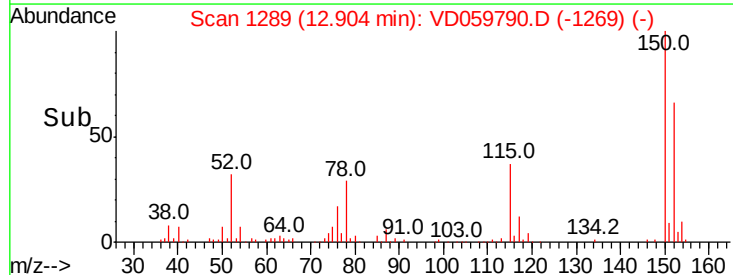
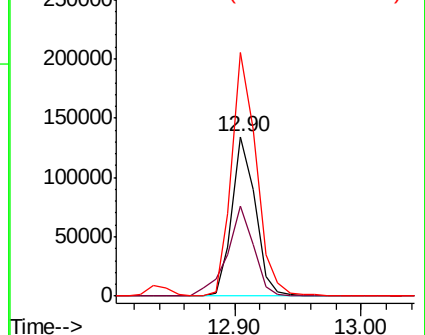
150 152.4 0.0 312.4

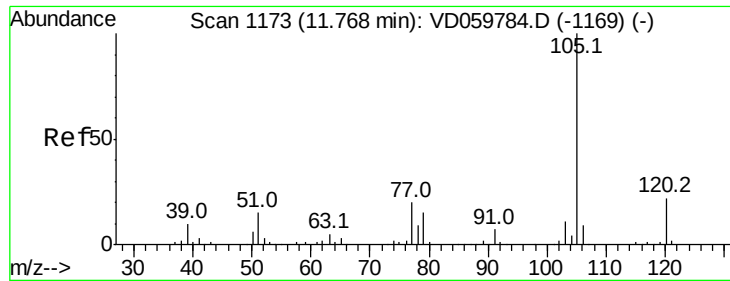


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

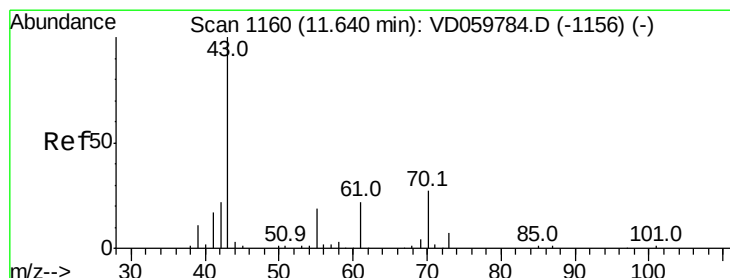
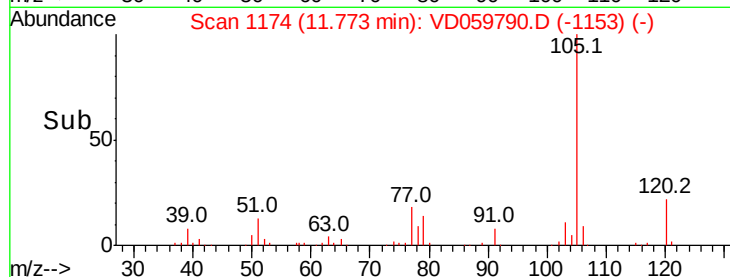
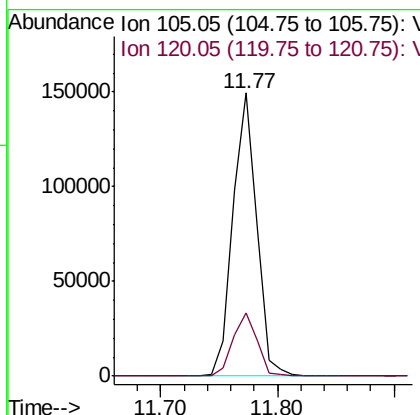
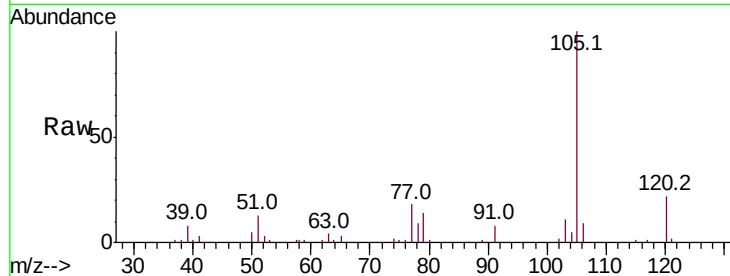




#73
Isopropylbenzene
Concen: 19.371 ug/l
RT: 11.77 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

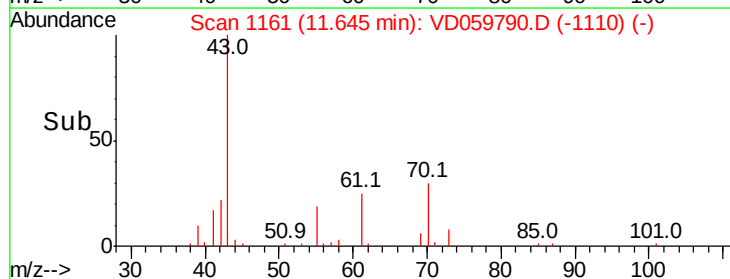
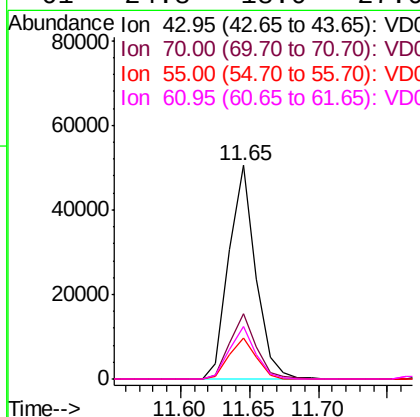
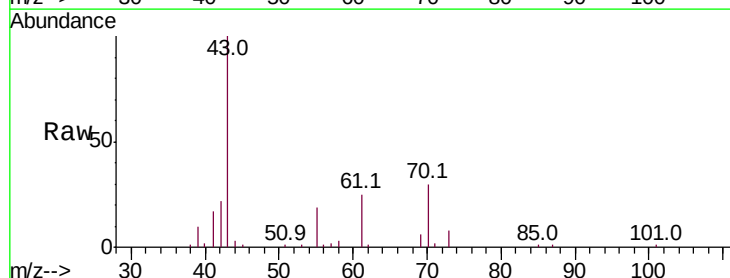
Instrument :
MSVOA_D
ClientSampleId :

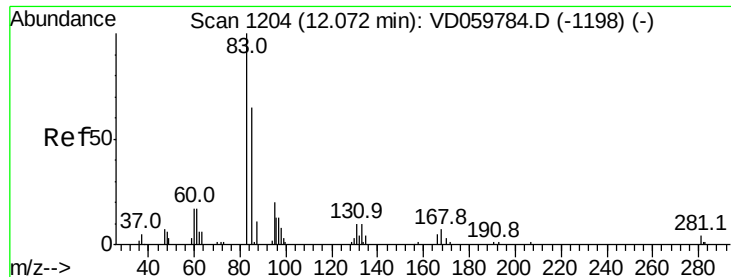
Tot Ion:105 Resp: 211219
Ion Ratio Lower Upper
105 100
120 22.2 10.9 32.6



#74
N-ethyl acetate
Concen: 20.403 ug/l
RT: 11.65 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion: 43 Resp: 68214
Ion Ratio Lower Upper
43 100
70 30.4 21.8 32.6
55 19.3 15.1 22.7
61 24.8 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.327 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

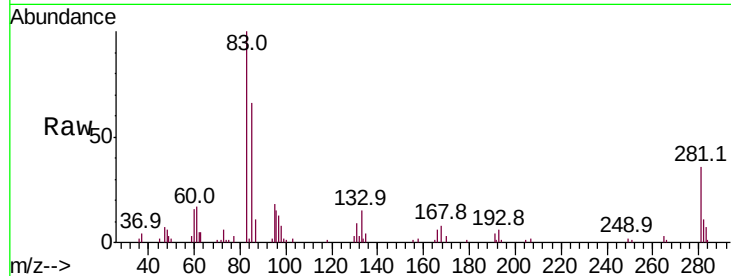
Tot Ion: 83 Resp: 42796

Ion Ratio Lower Upper

83 100

131 9.4 5.0 15.0

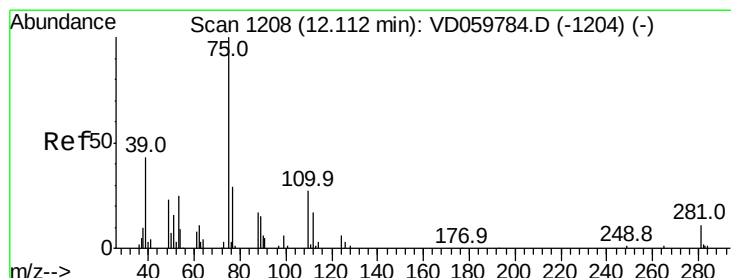
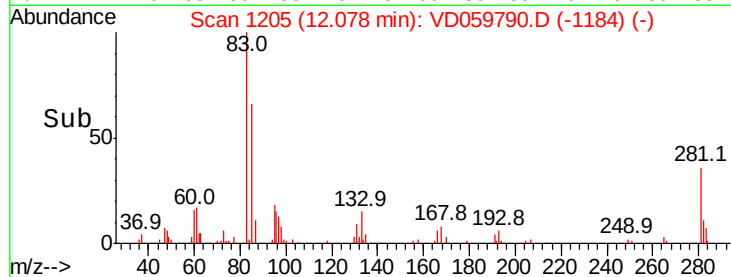
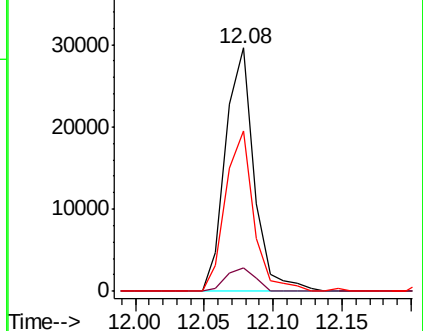
85 65.7 32.8 98.3



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: 19.938 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059790.D

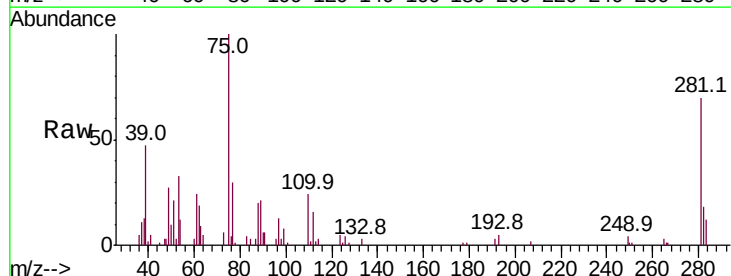
Acq: 15 Aug 2018 4:37

Tgt Ion: 75 Resp: 48716

Ion Ratio Lower Upper

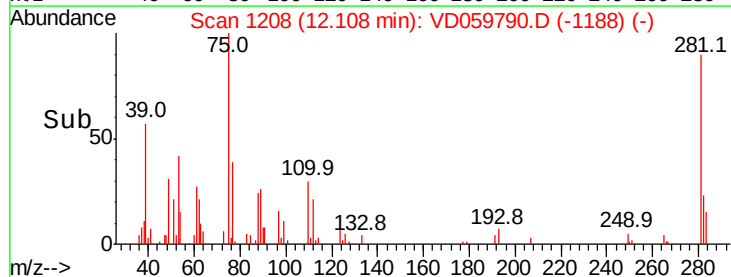
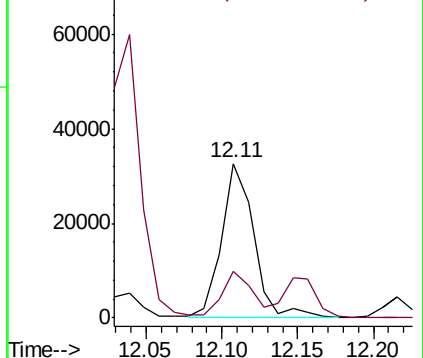
75 100

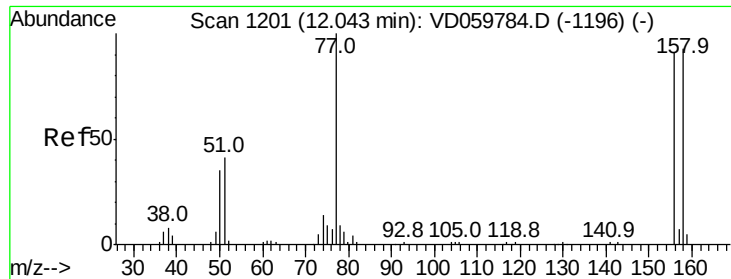
77 30.1 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

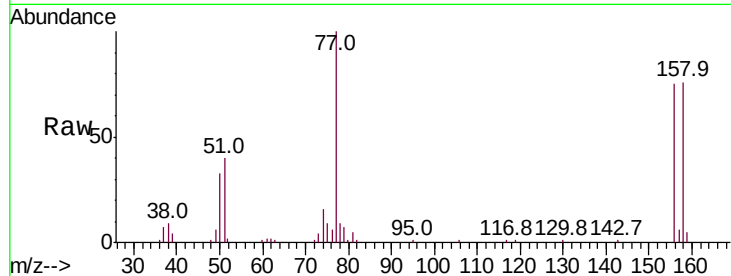




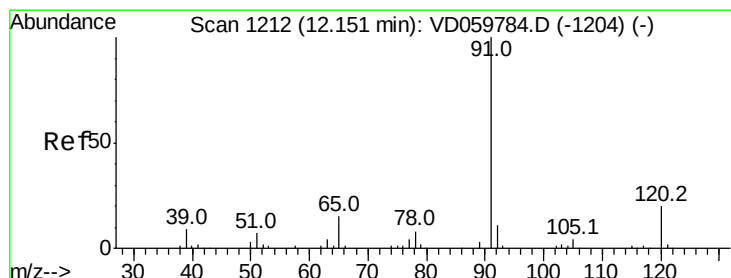
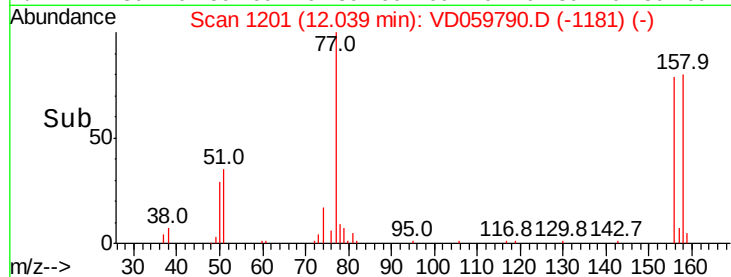
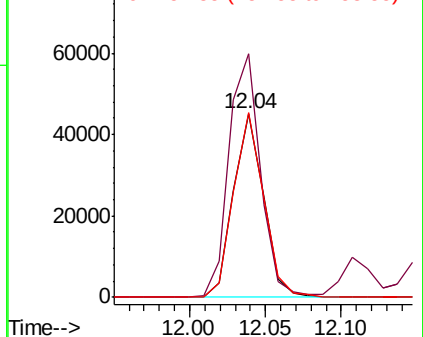
#77
Bromobenzene
Concen: 19.958 ug/l
RT: 12.04 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 62190
Ion Ratio Lower Upper
156 100
77 132.5 54.9 164.8
158 100.4 51.2 153.6

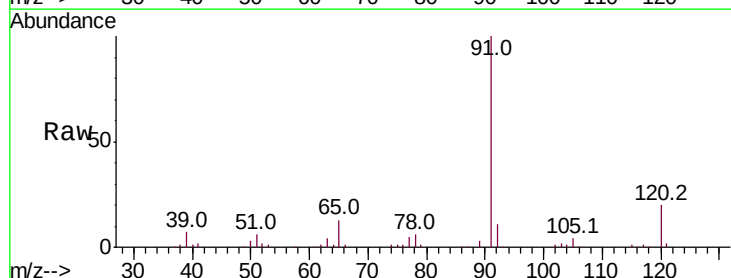


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

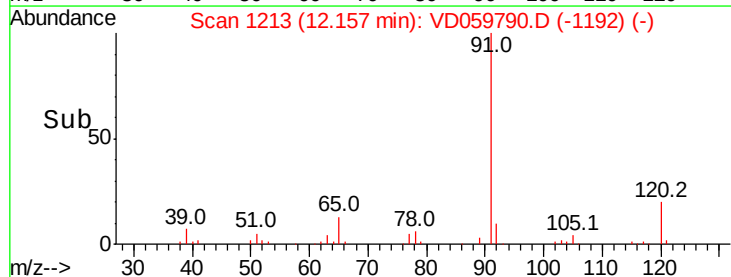
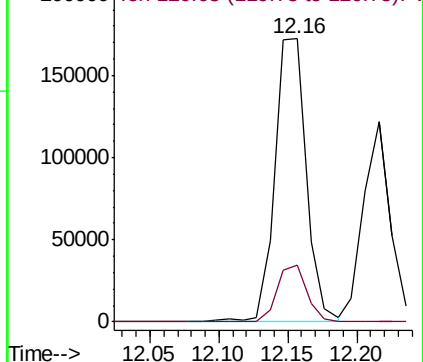


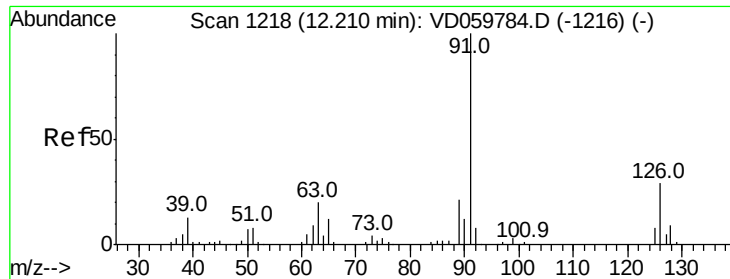
#78
n-propylbenzene
Concen: 19.891 ug/l
RT: 12.16 min Scan# 1213
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion: 91 Resp: 270547
Ion Ratio Lower Upper
91 100
120 20.3 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

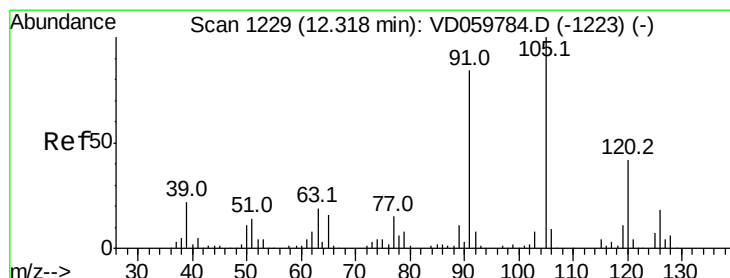
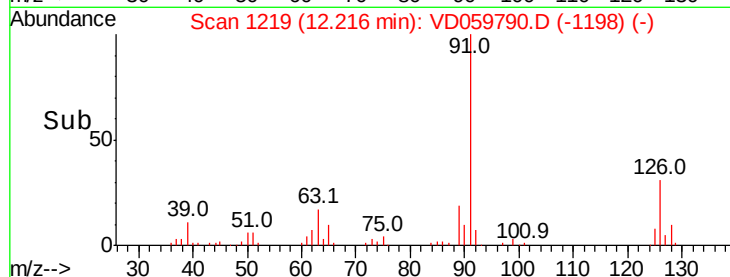
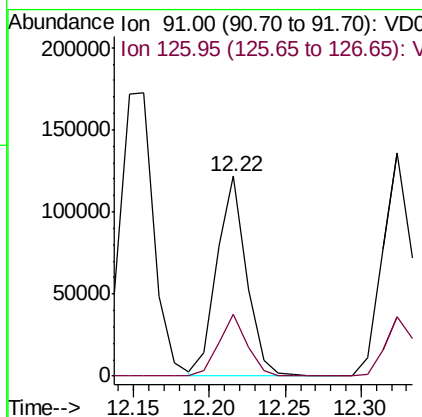
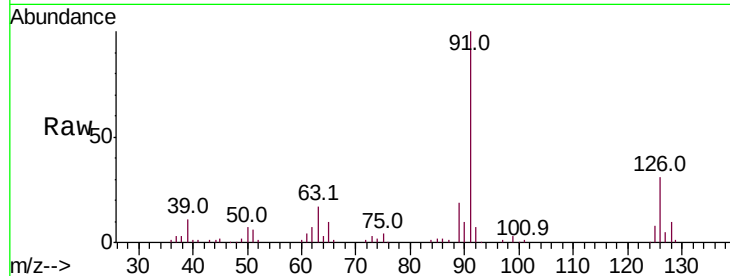




#79
 2-Chlorotoluene
 Concen: 20.070 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

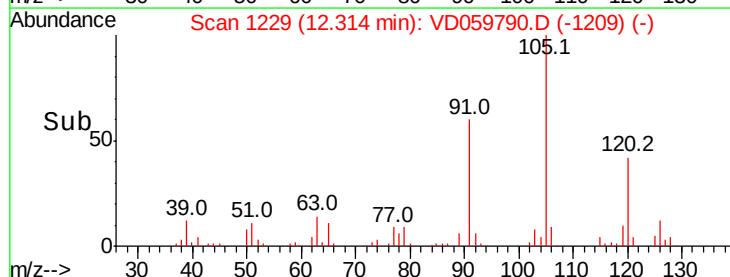
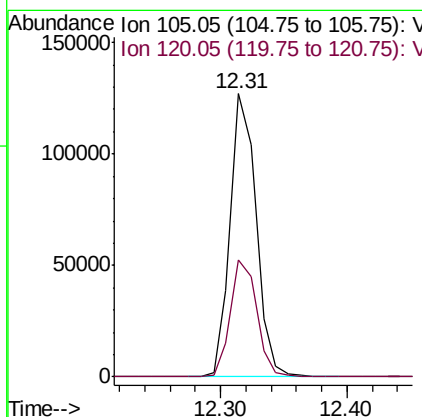
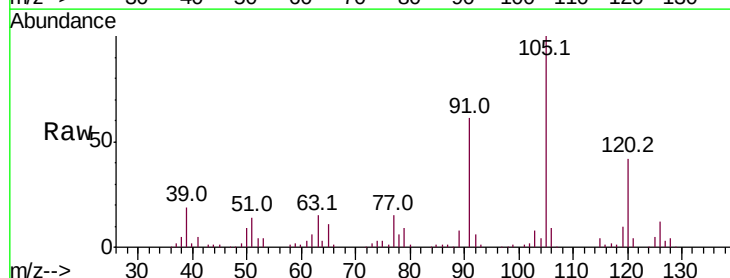
Instrument :
 MSVOA_D
 ClientSampleId :

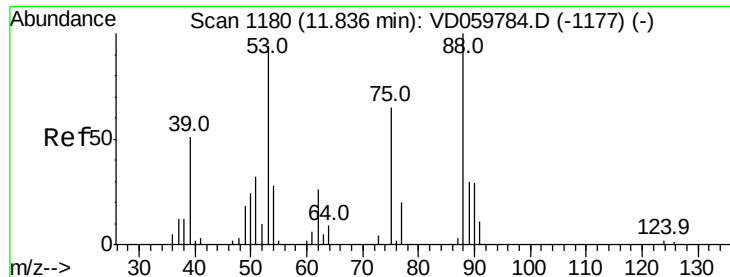
Tot Ion: 91 Resp: 164619
 Ion Ratio Lower Upper
 91 100
 126 30.9 14.0 41.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.668 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion:105 Resp: 180449
 Ion Ratio Lower Upper
 105 100
 120 41.5 20.8 62.5





#81

trans-1,4-Dichloro-2-butene

Concen: 20.569 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

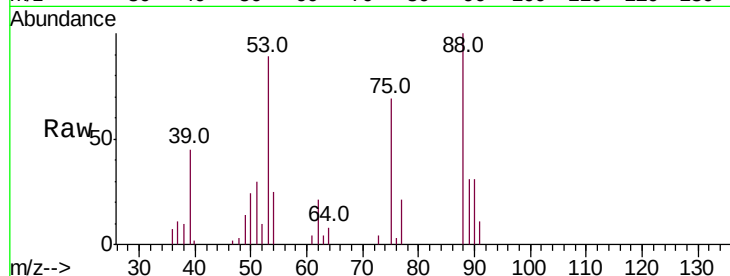
Tot Ion: 75 Resp: 11758

Ion Ratio Lower Upper

75 100

53 130.0 116.2 174.2

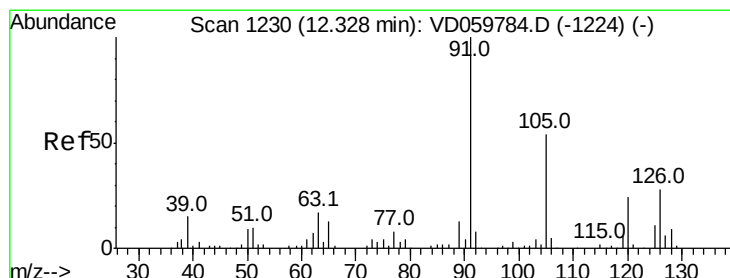
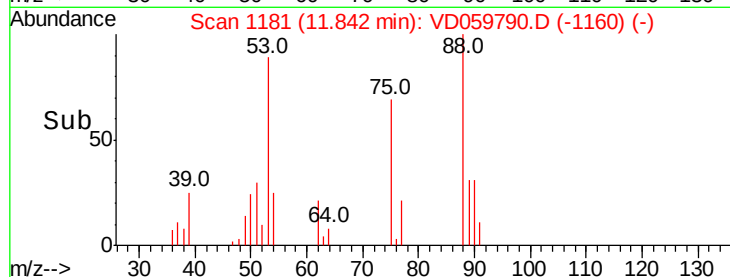
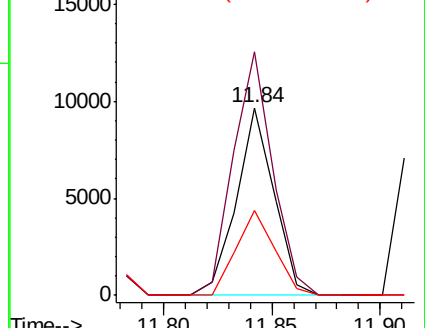
89 45.4 37.0 55.6



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: 20.166 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD059790.D

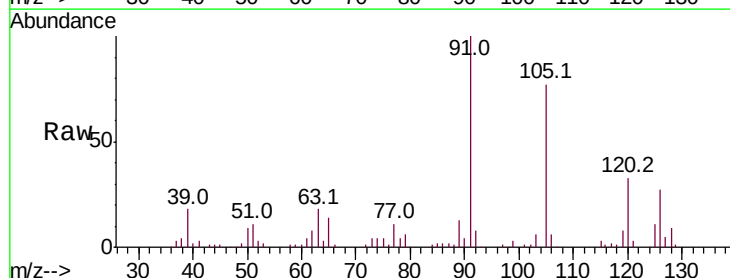
Acq: 15 Aug 2018 4:37

Tgt Ion: 91 Resp: 187745

Ion Ratio Lower Upper

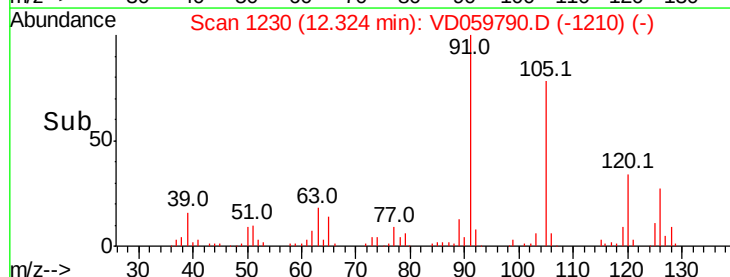
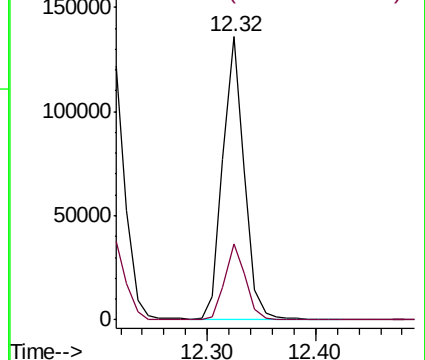
91 100

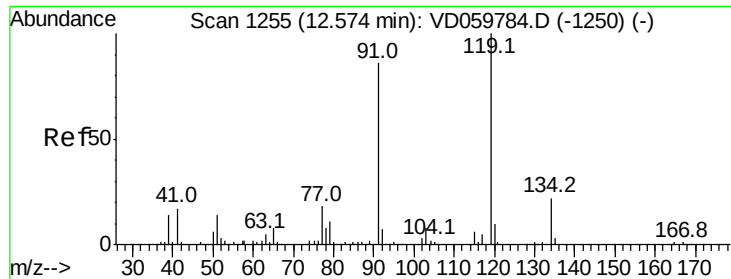
126 26.8 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 19.706 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. -0.00 min

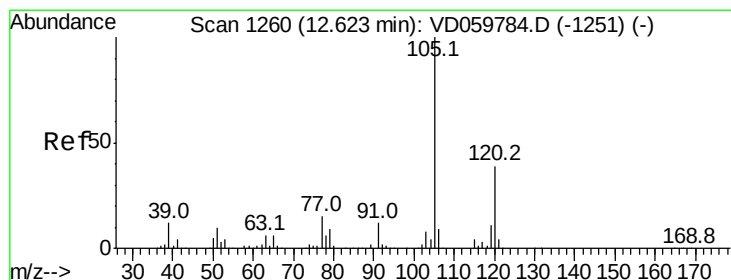
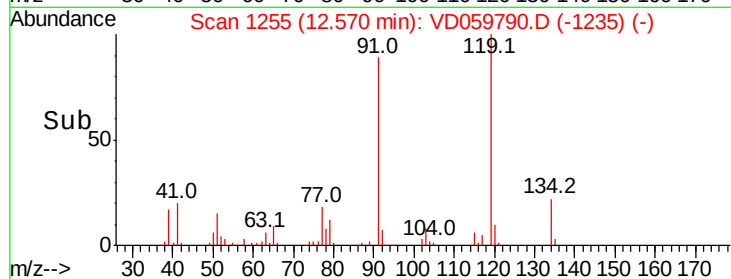
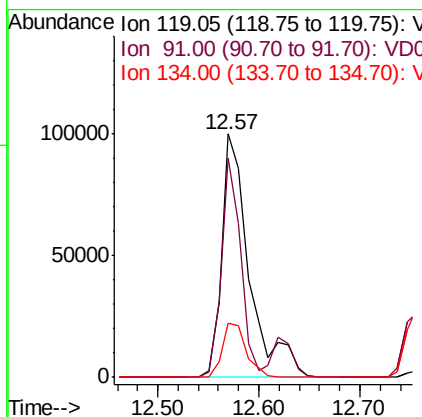
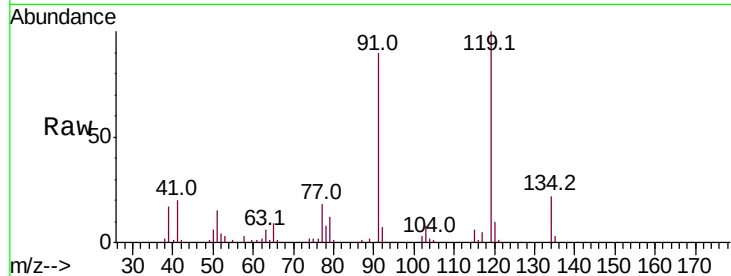
Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 190105

Ion	Ratio	Lower	Upper
119	100		
91	89.9	43.1	129.3
134	22.4	11.2	33.5



#84

1,2,4-Trimethylbenzene

Concen: 19.354 ug/l

RT: 12.62 min Scan# 1260

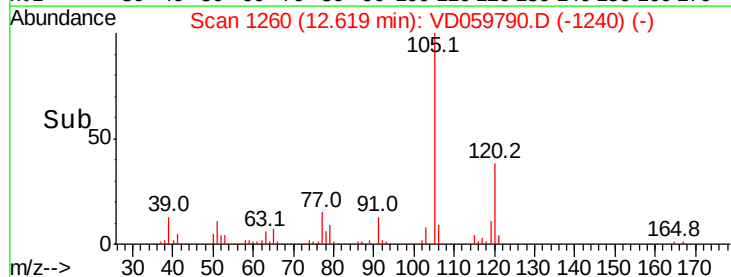
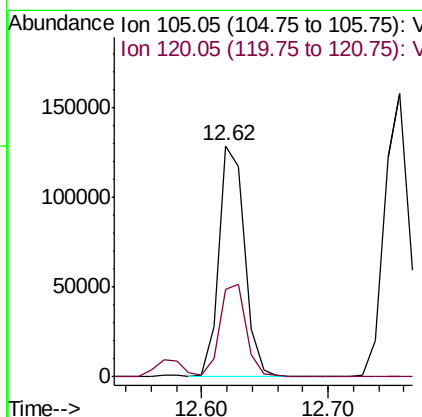
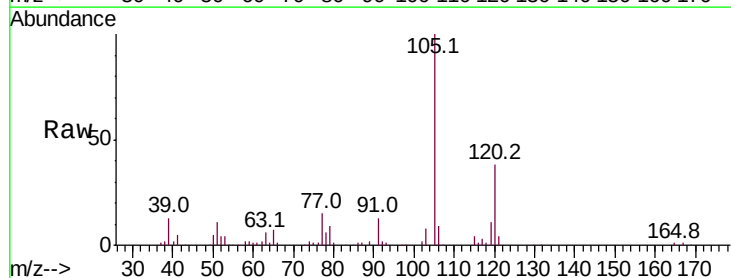
Delta R.T. -0.00 min

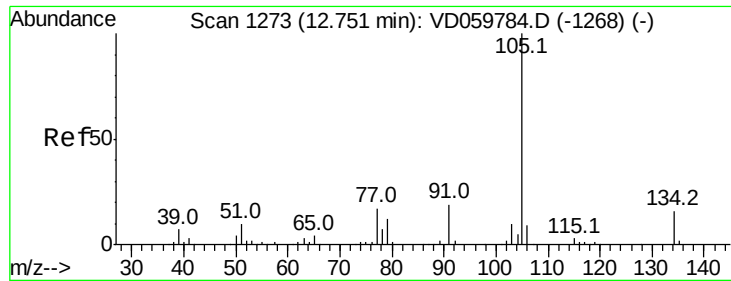
Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Tgt Ion:105 Resp: 182097

Ion	Ratio	Lower	Upper
105	100		
120	37.9	19.6	58.8

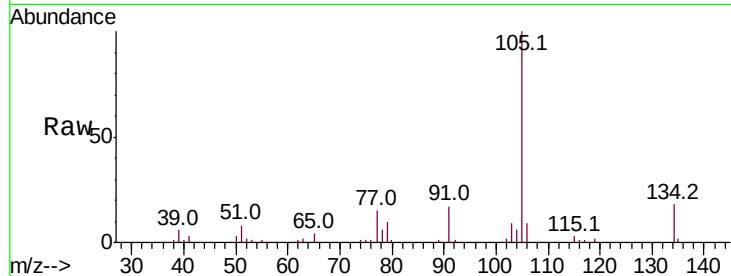




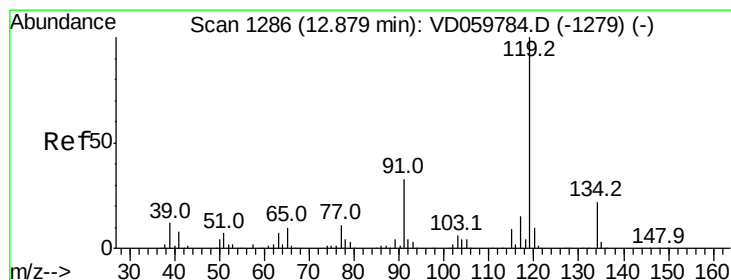
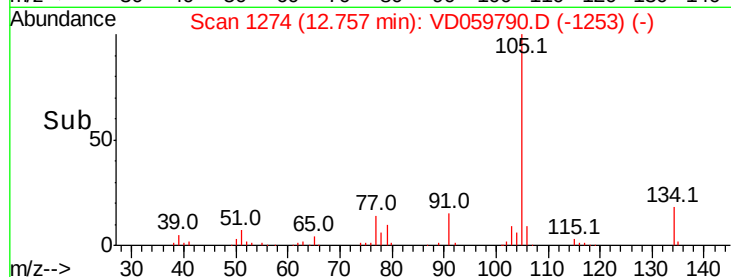
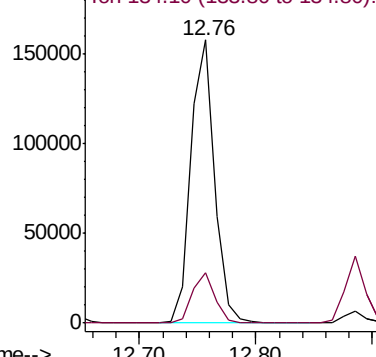
#85
 sec-Butylbenzene
 Concen: 19.832 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 221757
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.2 24.4

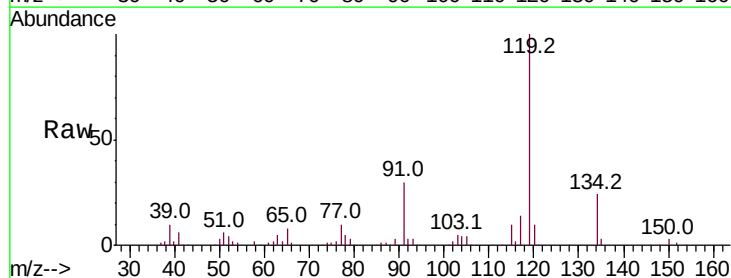


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

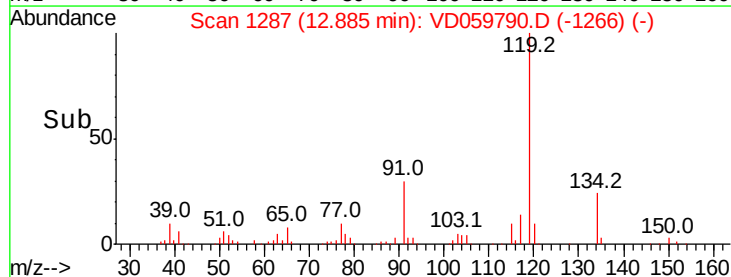
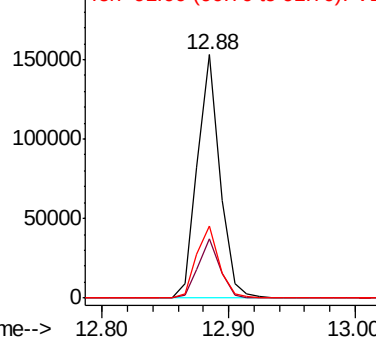


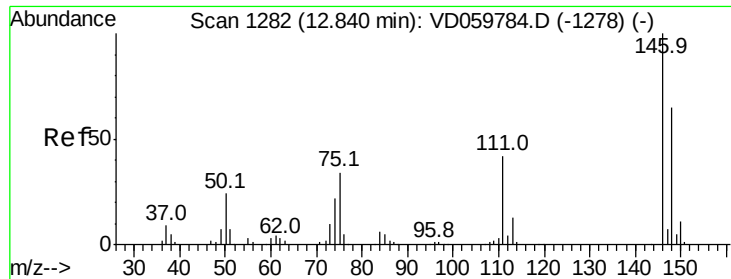
#86
 p-Isopropyltoluene
 Concen: 20.174 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion:119 Resp: 188751
 Ion Ratio Lower Upper
 119 100
 134 24.5 10.9 32.6
 91 29.8 16.4 49.4



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

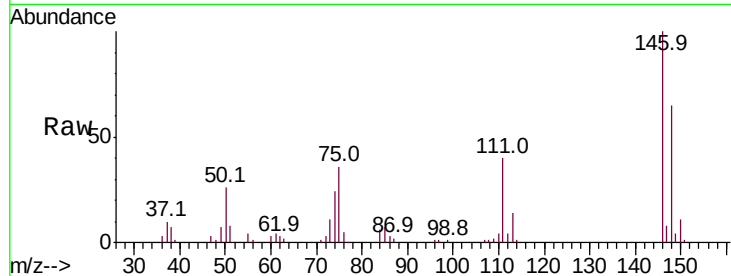




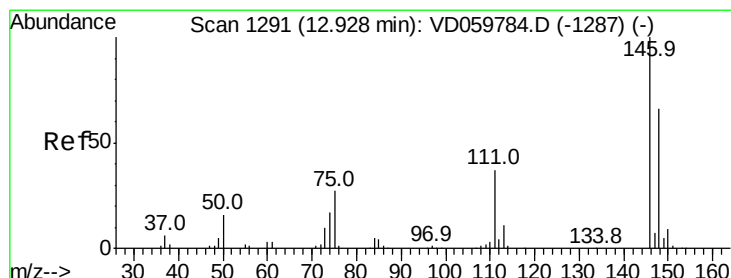
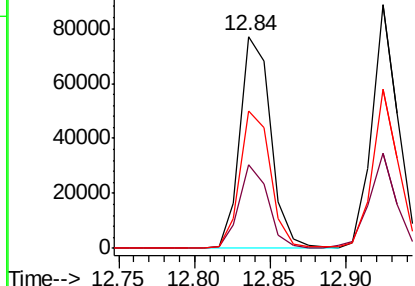
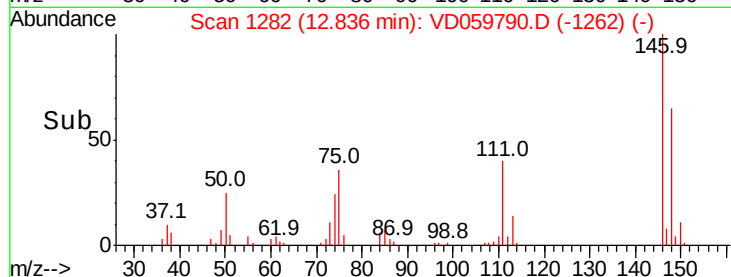
#87
 1,3-Dichlorobenzene
 Concen: 19.498 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 108939
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.9 62.8
 148 64.9 32.6 97.8

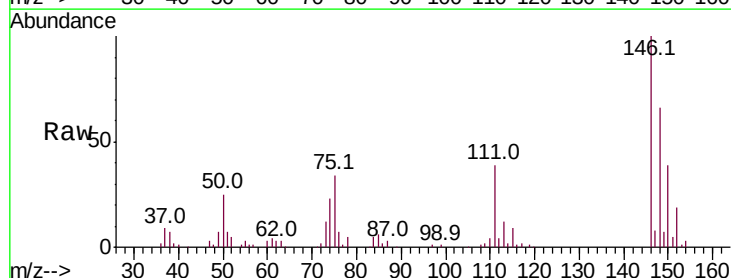


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

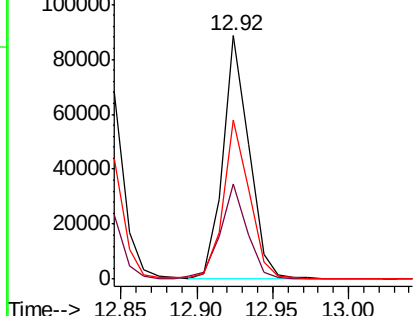
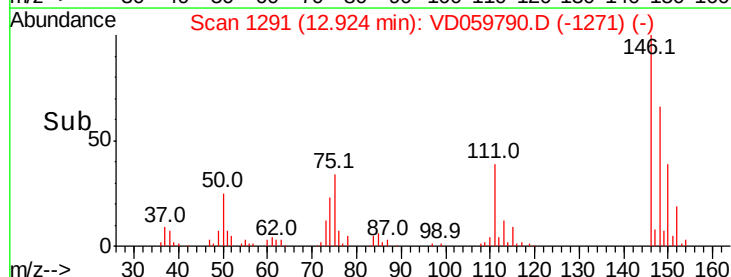


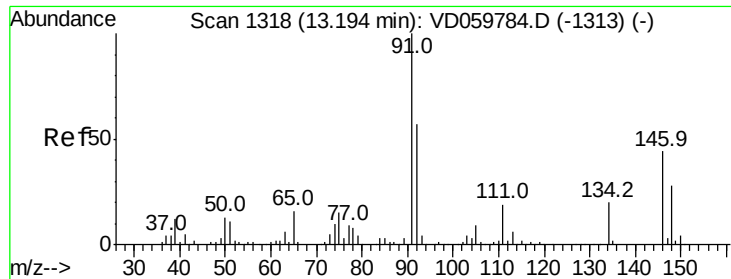
#88
 1,4-Dichlorobenzene
 Concen: 19.290 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion:146 Resp: 106853
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.6 55.6
 148 65.5 33.0 99.0



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





#89

n-Butylbenzene

Concen: 20.606 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

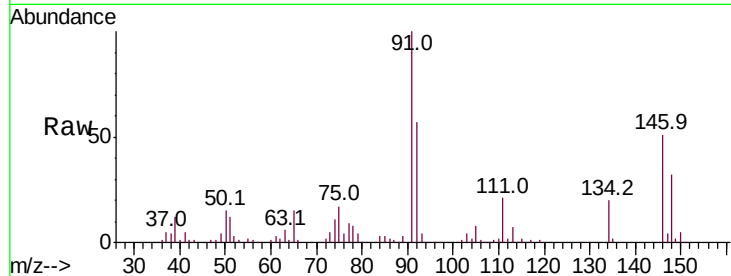
Tot Ion: 91 Resp: 194933

Ion Ratio Lower Upper

91 100

92 57.2 28.4 85.3

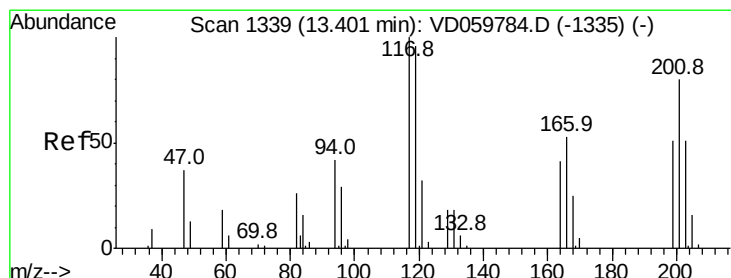
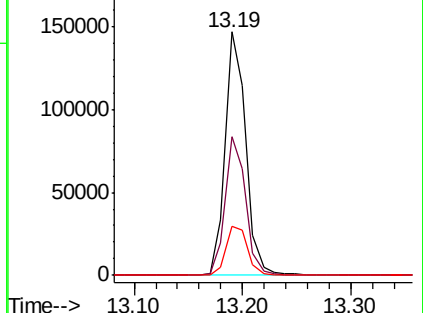
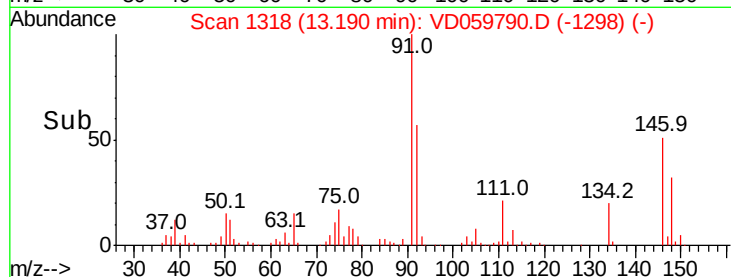
134 20.2 10.2 30.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 19.214 ug/l

RT: 13.40 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VD059790.D

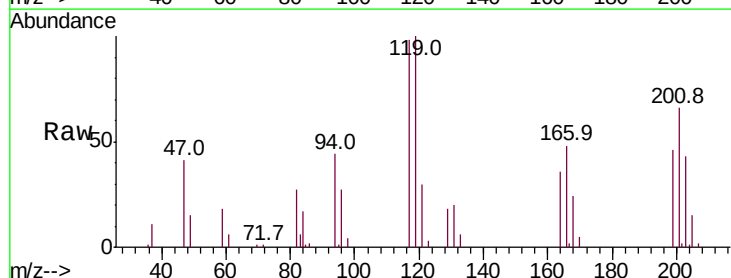
Acq: 15 Aug 2018 4:37

Tgt Ion: 117 Resp: 45111

Ion Ratio Lower Upper

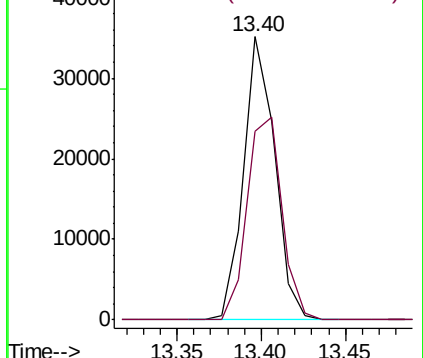
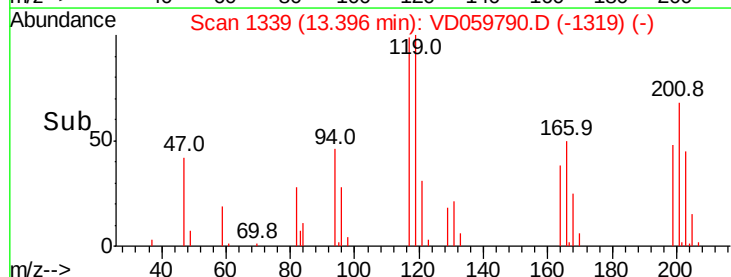
117 100

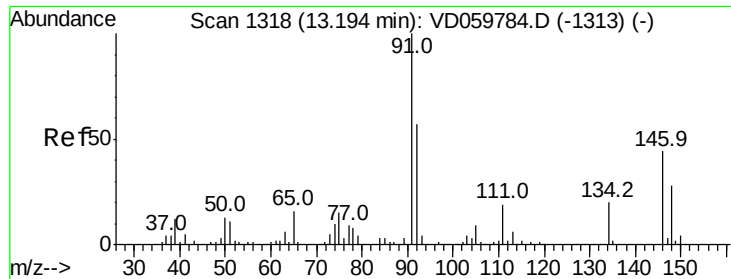
201 66.7 39.9 119.7



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

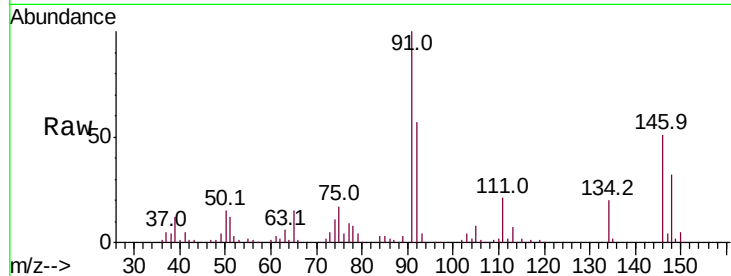




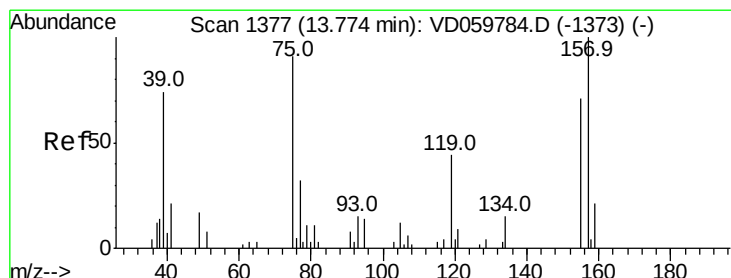
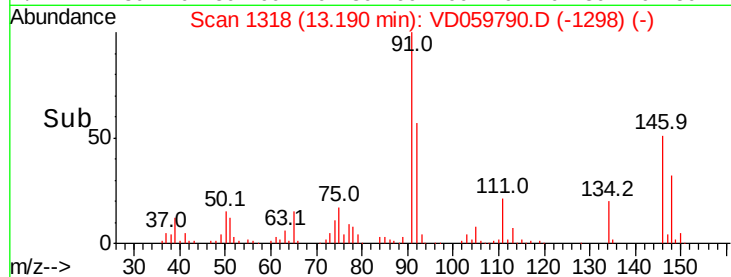
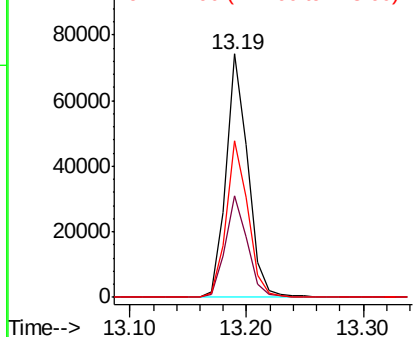
#91
 1,2-Dichlorobenzene
 Concen: 20.970 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 96368
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.1 63.1
 148 64.1 32.0 96.2

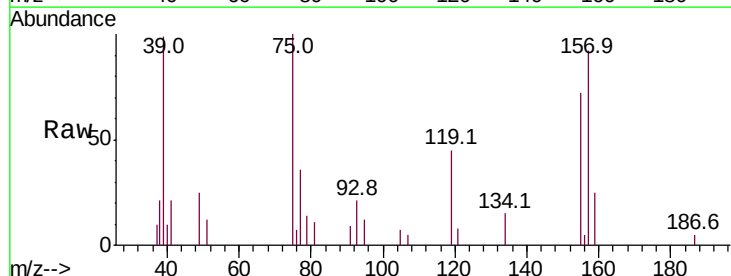


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

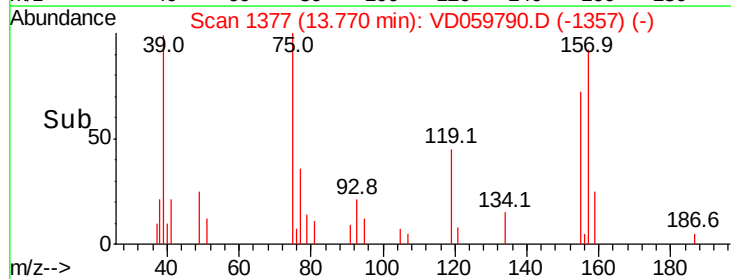
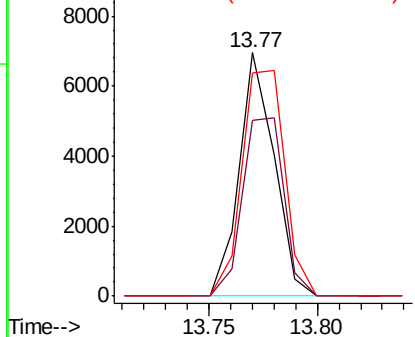


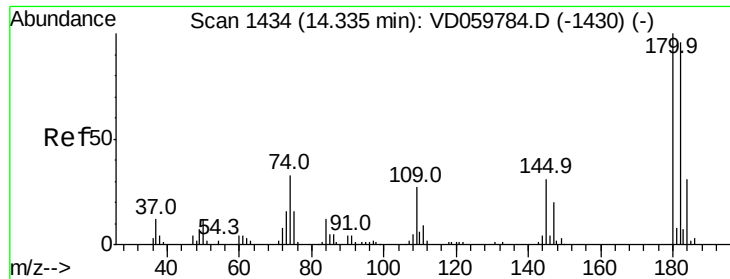
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.868 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion: 75 Resp: 7849
 Ion Ratio Lower Upper
 75 100
 155 72.3 39.0 117.0
 157 91.9 54.8 164.3



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

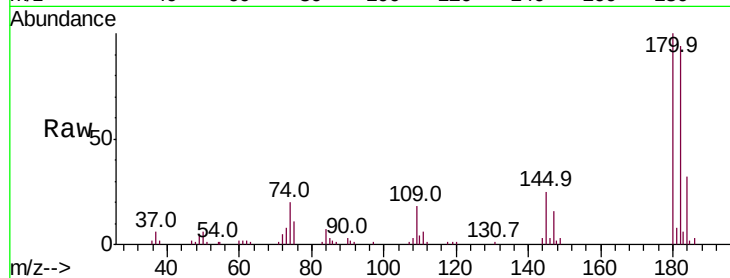




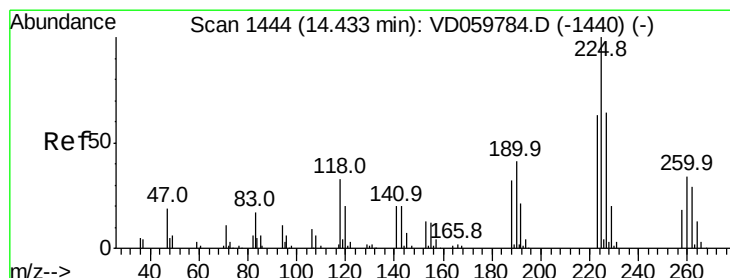
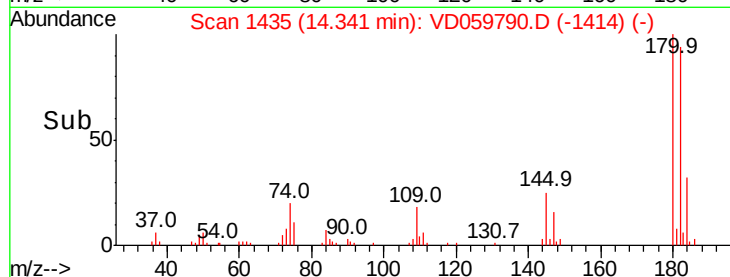
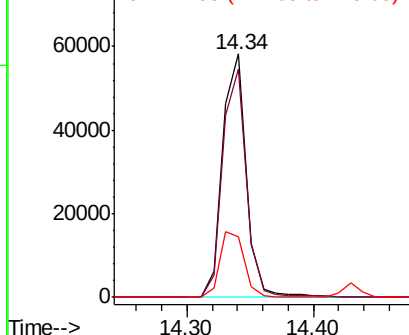
#93
 1,2,4-Trichlorobenzene
 Concen: 19.667 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 75570
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.0 144.0
 145 25.1 15.5 46.5

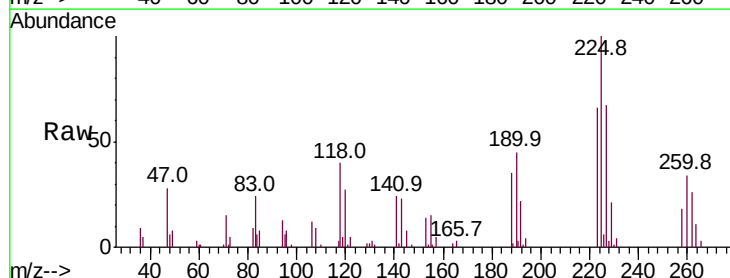


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

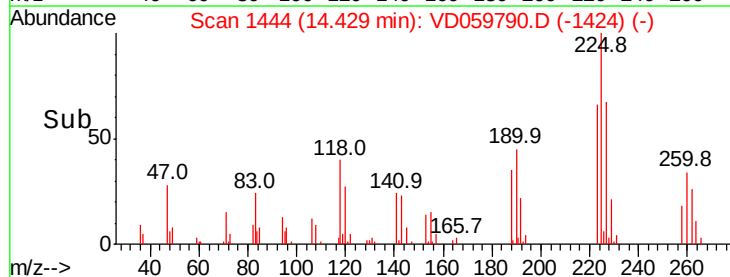
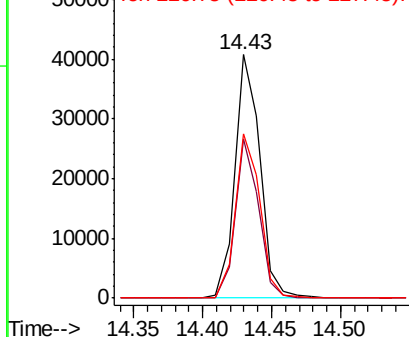


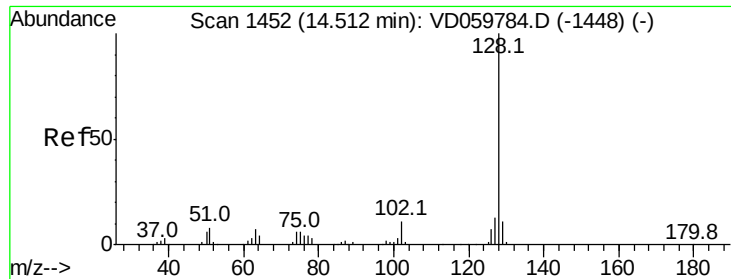
#94
 Hexachlorobutadiene
 Concen: 18.145 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion:225 Resp: 51465
 Ion Ratio Lower Upper
 225 100
 223 65.5 31.4 94.2
 227 67.5 32.1 96.5



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

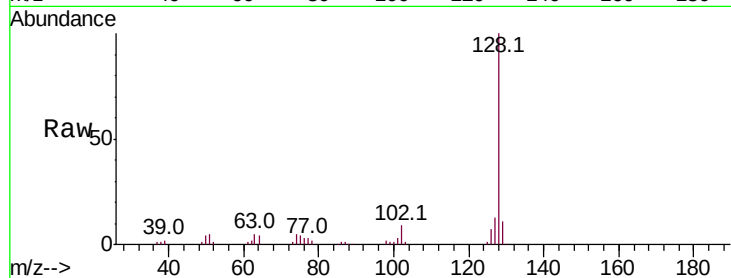




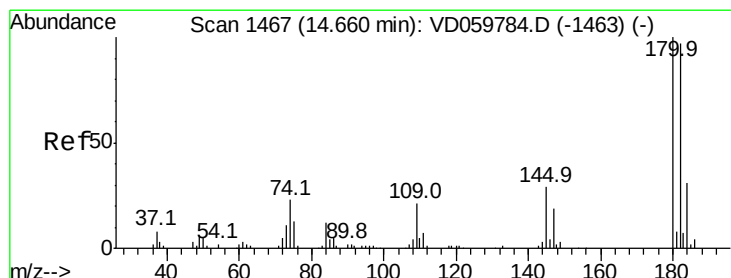
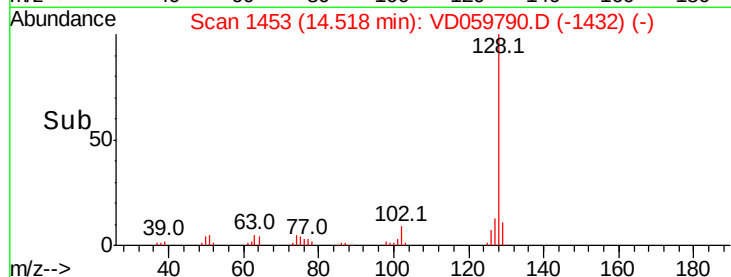
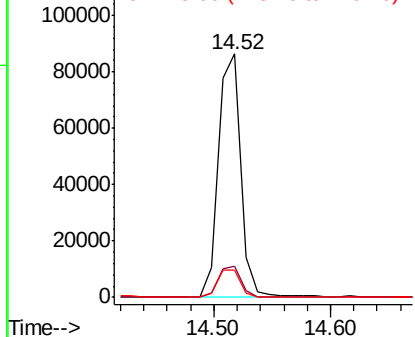
#95
Naphthalene
Concen: 19.466 ug/l
RT: 14.52 min Scan# 1453
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:128 Resp: 114517
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.0 9.1 13.7

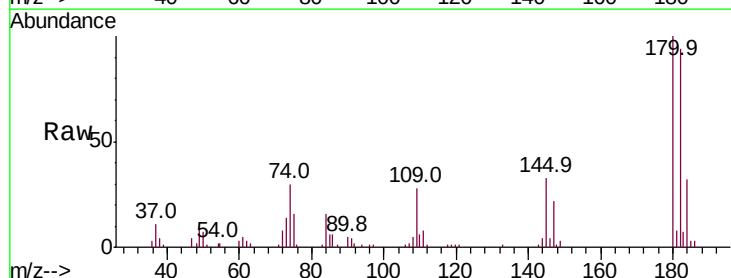


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 17.945 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion:180 Resp: 60848
Ion Ratio Lower Upper
180 100
182 94.3 48.5 145.5
145 33.1 14.3 42.9



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

