

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059794.D
 Acq On : 15 Aug 2018 6:30
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 17:52:09 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	269997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	367446	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.69	117	305897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	161586	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	195648	56.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.80%	
35) Dibromofluoromethane	5.56	113	178544	55.76	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	111.52%	
50) Toluene-d8	8.71	98	428788	56.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.08%	
62) 4-Bromofluorobenzene	11.93	95	182360	53.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	166349	50.559	ug/l	99
3) Chloromethane	1.48	50	100433	55.606	ug/l	99
4) Vinyl Chloride	1.56	62	104664	54.706	ug/l	99
5) Bromomethane	1.80	94	39966	65.610	ug/l	92
6) Chloroethane	1.89	64	46909	58.788	ug/l	98
7) Trichlorofluoromethane	2.09	101	158993	52.920	ug/l	98
8) Diethyl Ether	2.35	74	32291	55.863	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.57	101	92358	54.814	ug/l	95
10) Methyl Iodide	2.70	142	108552	52.619	ug/l	95
11) Tert butyl alcohol	3.26	59	36369	296.318	ug/l	96
12) 1,1-Dichloroethene	2.56	96	66135	54.288	ug/l	91
13) Acrolein	2.48	56	30818	271.600	ug/l	90
14) Allyl chloride	2.93	41	166628	54.434	ug/l	95
15) Acrylonitrile	3.36	53	124098	288.602	ug/l	98
16) Acetone	2.61	43	149562	273.189	ug/l	98
17) Carbon Disulfide	2.76	76	239761	58.731	ug/l	97
18) Methyl Acetate	2.94	43	63217	54.030	ug/l	100
19) Methyl tert-butyl Ether	3.41	73	318945	53.639	ug/l	99
20) Methylene Chloride	3.08	84	79389	53.750	ug/l	97
21) trans-1,2-Dichloroethene	3.39	96	131683	54.857	ug/l	99
22) Diisopropyl ether	4.08	45	445395	53.934	ug/l	99
23) Vinyl Acetate	4.02	43	1295746	277.057	ug/l	99
24) 1,1-Dichloroethane	3.98	63	261294	53.335	ug/l	99
25) 2-Butanone	4.84	43	253826	302.928	ug/l	98
26) 2,2-Dichloropropane	4.80	77	228911	51.098	ug/l	96
27) cis-1,2-Dichloroethene	4.81	96	143023	54.380	ug/l	95
28) Bromochloromethane	5.15	49	103814	54.005	ug/l	98
29) Tetrahydrofuran	5.18	42	102317	286.204	ug/l	98
30) Chloroform	5.33	83	311896	53.020	ug/l	100
31) Cyclohexane	5.60	56	173455	49.229	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	276943	53.544	ug/l	98
36) 1,1-Dichloropropene	5.75	75	194899	51.698	ug/l	97
37) Ethyl Acetate	4.93	43	106646	56.560	ug/l	100
38) Carbon Tetrachloride	5.73	117	234575	51.575	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059794.D
 Acq On : 15 Aug 2018 6:30
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 17:52:09 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	169743	52.050	ug/l	96
40) Benzene	6.02	78	421949	52.767	ug/l	98
41) Methacrylonitrile	5.12	41	52897	58.638	ug/l	96
42) 1,2-Dichloroethane	6.14	62	242828	56.111	ug/l	99
43) Isopropyl Acetate	7.62	43	138695	58.249	ug/l #	94
44) Trichloroethene	6.98	130	144113	52.630	ug/l	91
45) 1,2-Dichloropropane	7.35	63	116605	56.102	ug/l	99
46) Dibromomethane	7.46	93	93003	54.710	ug/l	96
47) Bromodichloromethane	7.74	83	229892	55.195	ug/l	95
48) Methyl methacrylate	7.50	41	91955	59.185	ug/l	99
49) 1,4-Dioxane	7.48	88	16363	1195.869	ug/l #	90
51) 4-Methyl-2-Pentanone	8.60	43	550255	305.725	ug/l	98
52) Toluene	8.80	92	281985	55.046	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	197099	57.075	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	210127	56.303	ug/l	97
55) 1,1,2-Trichloroethane	9.45	97	98783	52.232	ug/l	96
56) Ethyl methacrylate	9.31	69	116078	56.676	ug/l	98
57) 1,3-Dichloropropane	9.67	76	161276	54.437	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	261961	258.784	ug/l	99
59) 2-Hexanone	9.79	43	399469	309.522	ug/l	100
60) Dibromochloromethane	9.96	129	153829	56.022	ug/l	99
61) 1,2-Dibromoethane	10.09	107	114712	54.758	ug/l	98
64) Tetrachloroethene	9.51	164	140284	53.247	ug/l	96
65) Chlorobenzene	10.72	112	319838	51.629	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	132318	52.993	ug/l	97
67) Ethyl Benzene	10.86	91	561192	52.614	ug/l	98
68) m/p-Xylenes	11.02	106	360558	99.735	ug/l	100
69) o-Xylene	11.41	106	181102	52.190	ug/l	90
70) Styrene	11.43	104	310651	50.478	ug/l	94
71) Bromoform	11.61	173	105679	58.225	ug/l	97
73) Isopropylbenzene	11.77	105	552018	53.953	ug/l	99
74) N-amyl acetate	11.65	43	178848	57.011	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	109945	52.916	ug/l	99
76) 1,2,3-Trichloropropane	12.12	75	123428	53.838	ug/l	98
77) Bromobenzene	12.04	156	159454	54.538	ug/l	82
78) n-propylbenzene	12.16	91	692733	54.279	ug/l	98
79) 2-Chlorotoluene	12.22	91	405679	52.711	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	433344	52.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	32119	59.881	ug/l	89
82) 4-Chlorotoluene	12.32	91	445758	51.028	ug/l	92
83) tert-Butylbenzene	12.58	119	474275	52.394	ug/l	94
84) 1,2,4-Trimethylbenzene	12.63	105	458472	51.932	ug/l	99
85) sec-Butylbenzene	12.76	105	572684	54.584	ug/l	98
86) p-Isopropyltoluene	12.88	119	450663	51.334	ug/l	96
87) 1,3-Dichlorobenzene	12.85	146	279806	53.371	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	268759	51.708	ug/l	94
89) n-Butylbenzene	13.20	91	458862	51.695	ug/l	97
90) Hexachloroethane	13.41	117	126743	57.533	ug/l	82
91) 1,2-Dichlorobenzene	13.19	146	227631	52.789	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	22888	61.746	ug/l	83

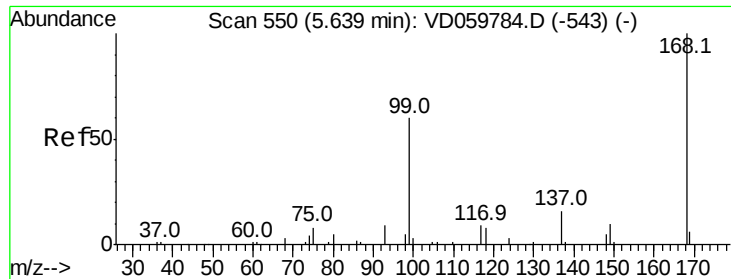
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
Data File : VD059794.D
Acq On : 15 Aug 2018 6:30
Operator : VA/AP
Sample : VSTDCCC050EC
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 15 17:52:09 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)
93) 1,2,4-Trichlorobenzene	14.34	180	198322	55.005	ug/l	97
94) Hexachlorobutadiene	14.44	225	141056	53.001	ug/l	99
95) Naphthalene	14.52	128	300095	54.364	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	170351	53.544	ug/l	98

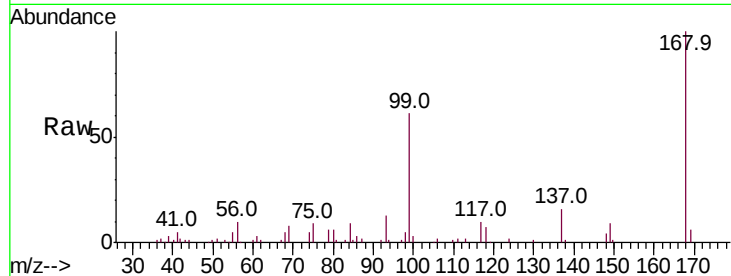
(#) = qualifier out of range (m) = manual integration (+) = signals summed



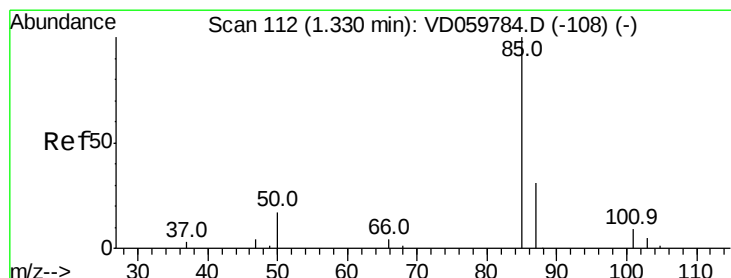
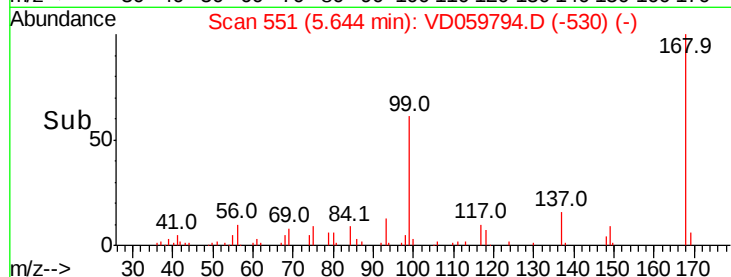
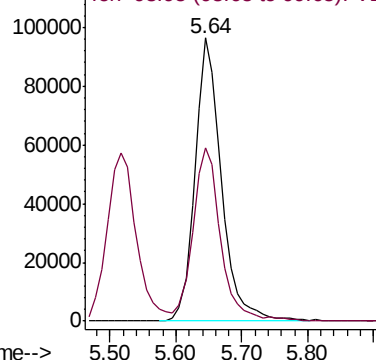
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 551
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 269997
Ion Ratio Lower Upper
168 100
99 61.3 50.3 75.5

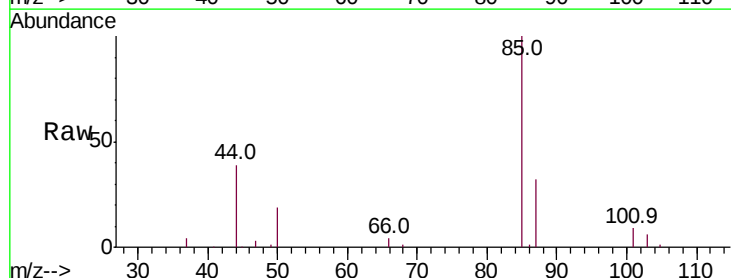


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.95 (98.65 to 99.65): VDC

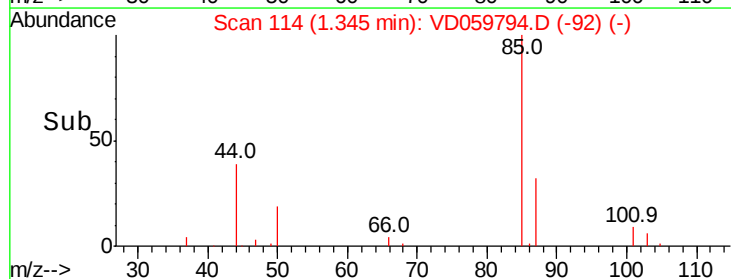
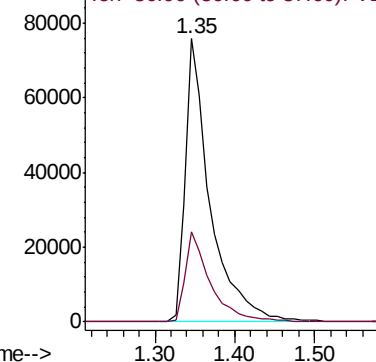


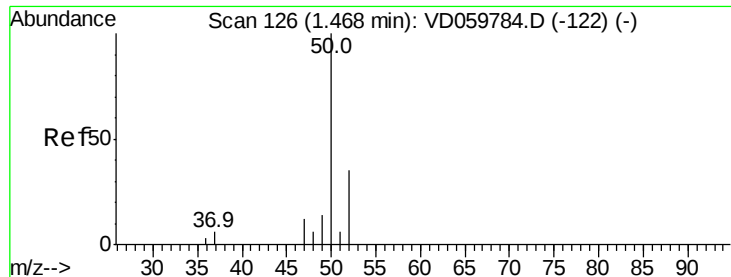
#2
Dichlorodifluoromethane
Concen: 50.559 ug/l
RT: 1.35 min Scan# 114
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion: 85 Resp: 166349
Ion Ratio Lower Upper
85 100
87 31.9 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VDC
Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 55.606 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

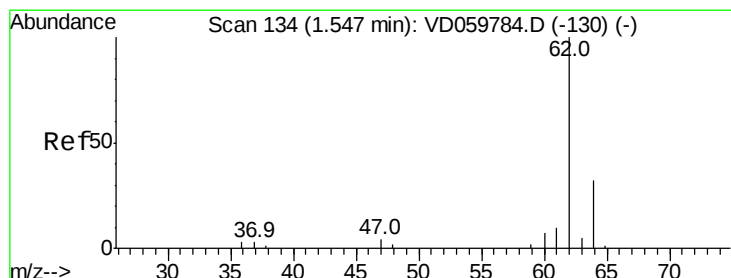
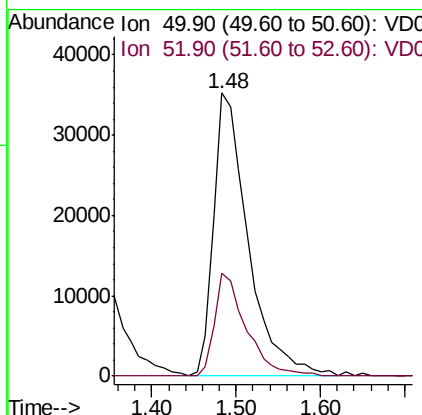
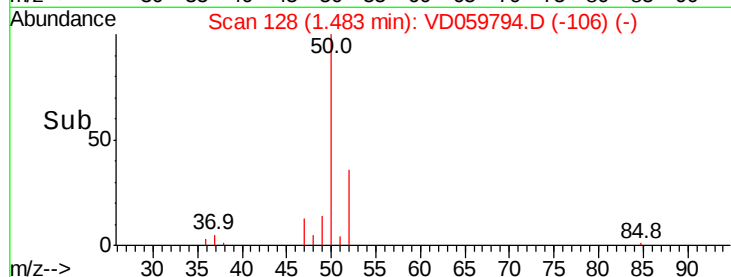
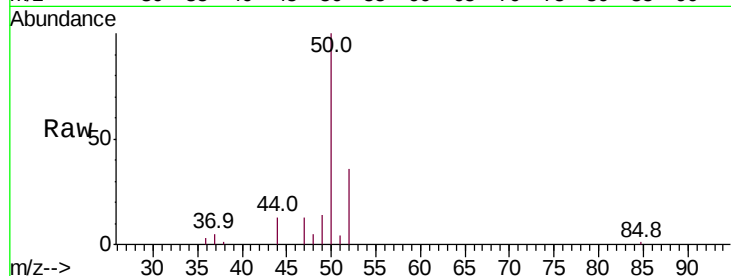
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 100433

Ion Ratio Lower Upper

50 100

52 36.4 28.4 42.6



#4

Vinyl Chloride

Concen: 54.706 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.02 min

Lab File: VD059794.D

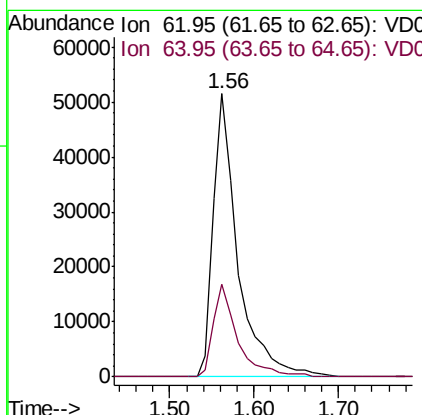
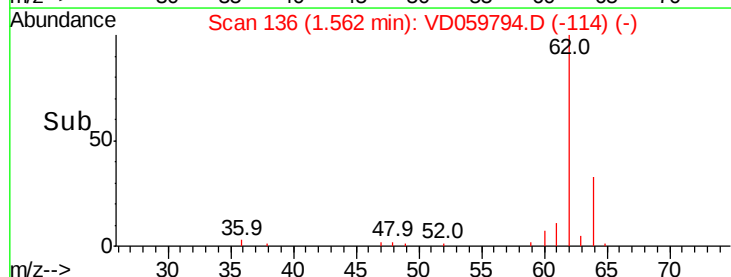
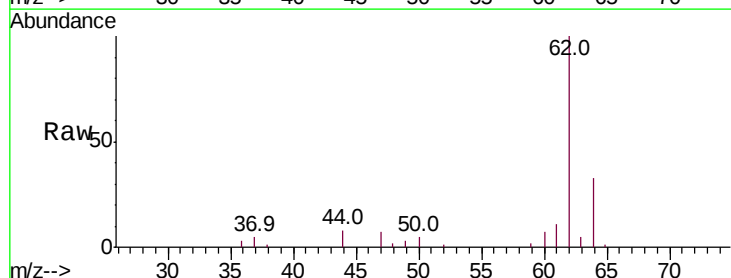
Acq: 15 Aug 2018 6:30

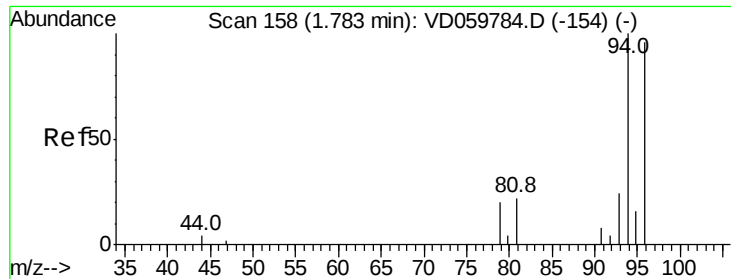
Tgt Ion: 62 Resp: 104664

Ion Ratio Lower Upper

62 100

64 32.6 25.5 38.3





#5

Bromomethane

Concen: 65.610 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

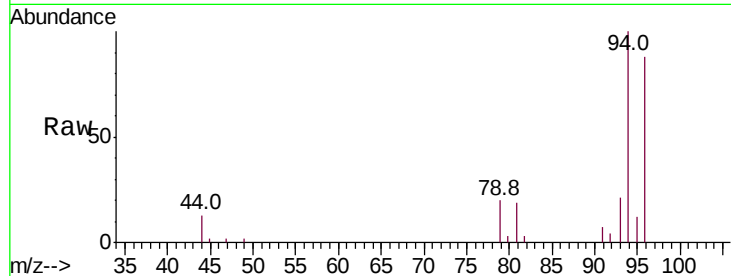
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 39966

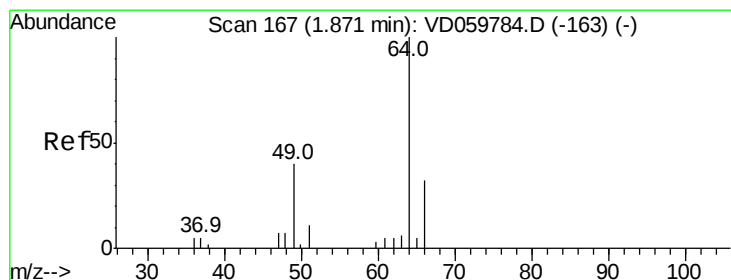
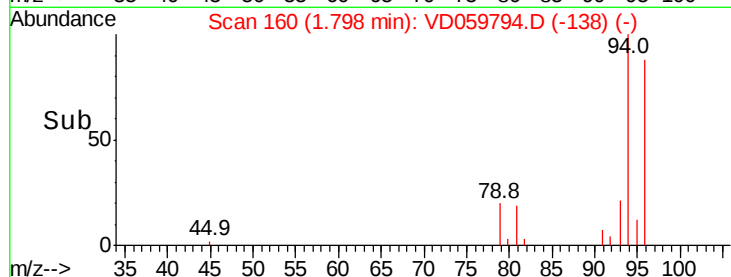
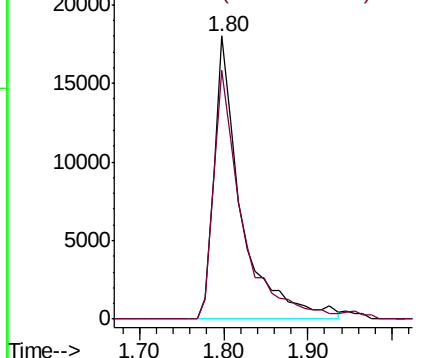
Ion Ratio Lower Upper

94 100

96 88.0 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: 58.788 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD059794.D

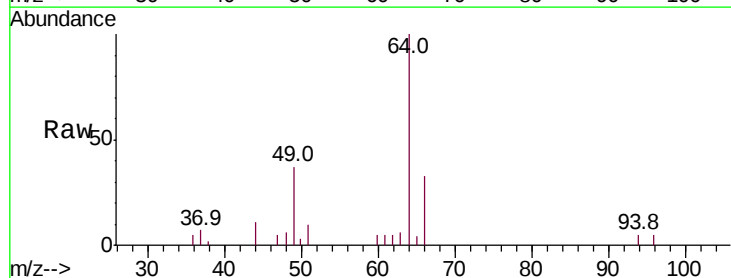
Acq: 15 Aug 2018 6:30

Tgt Ion: 64 Resp: 46909

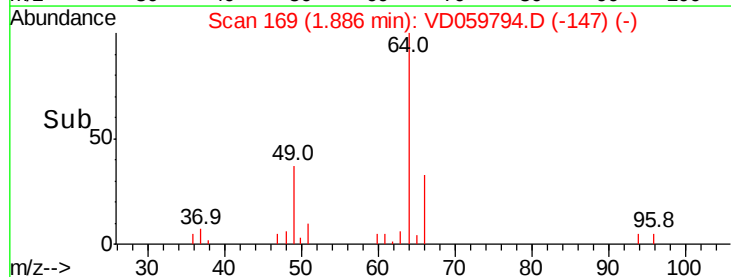
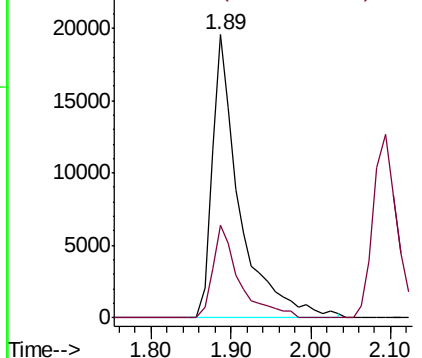
Ion Ratio Lower Upper

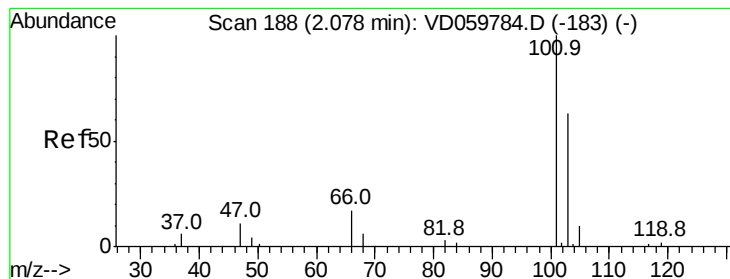
64 100

66 32.7 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



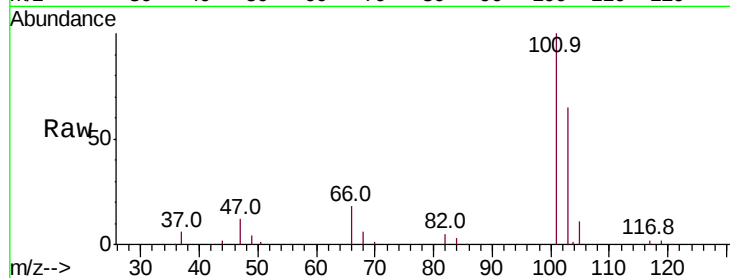


#7

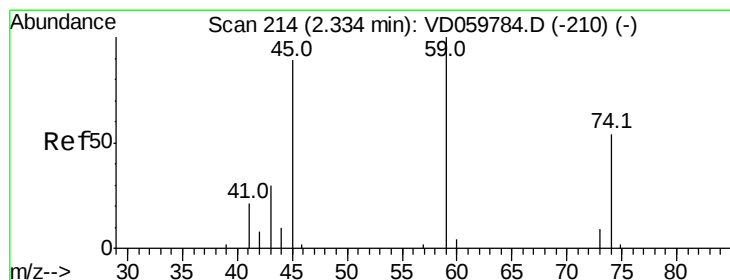
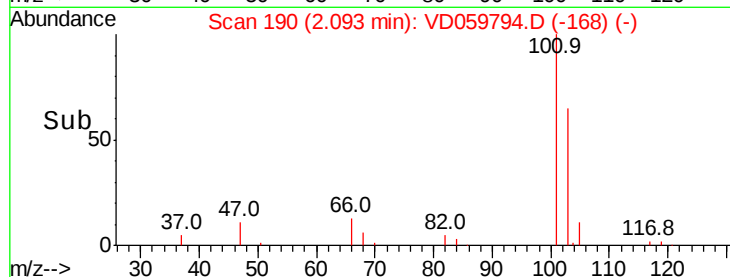
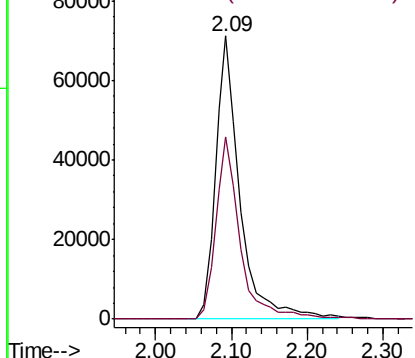
Trichlorofluoromethane
Concen: 52.920 ug/l
RT: 2.09 min Scan# 190
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 158993
Ion Ratio Lower Upper
101 100
103 64.6 50.4 75.6



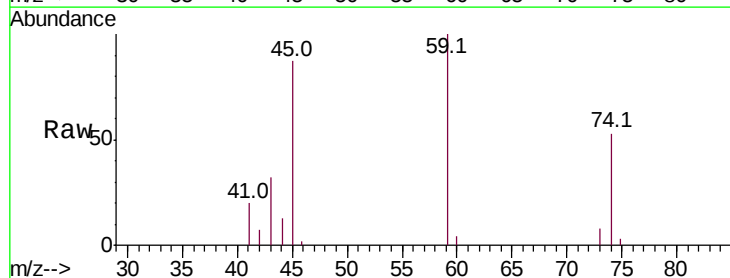
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



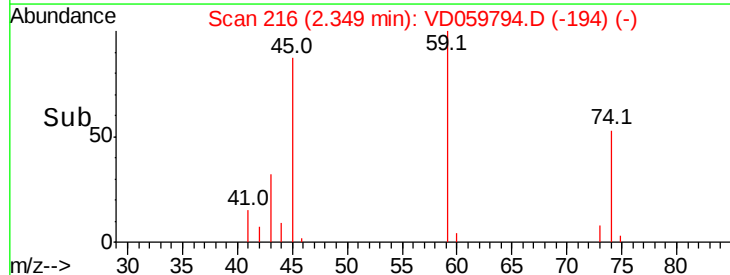
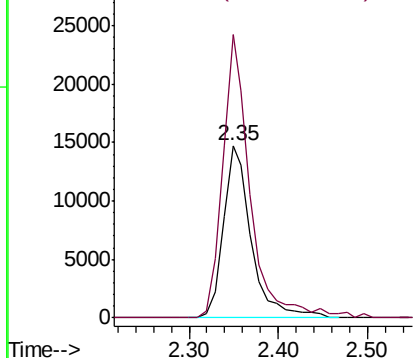
#8

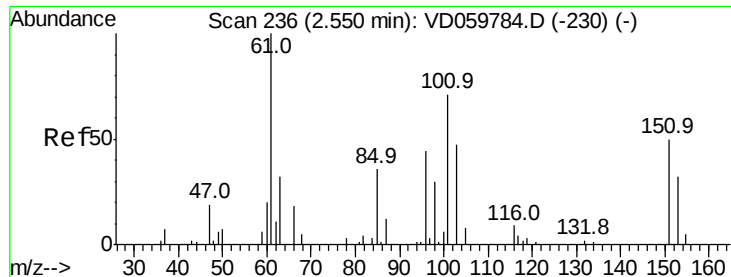
Diethyl Ether
Concen: 55.863 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion: 74 Resp: 32291
Ion Ratio Lower Upper
74 100
45 164.5 81.6 244.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.814 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampled :

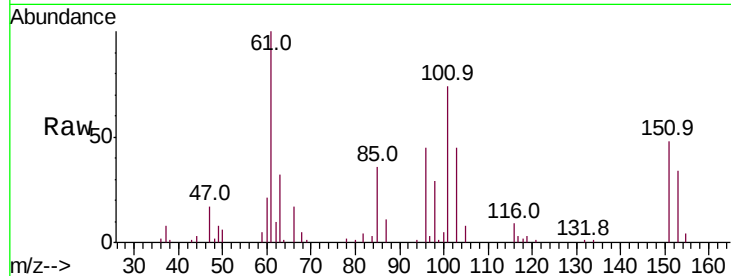
Tot Ion:101 Resp: 92358

Ion Ratio Lower Upper

101 100

85 48.7 40.6 61.0

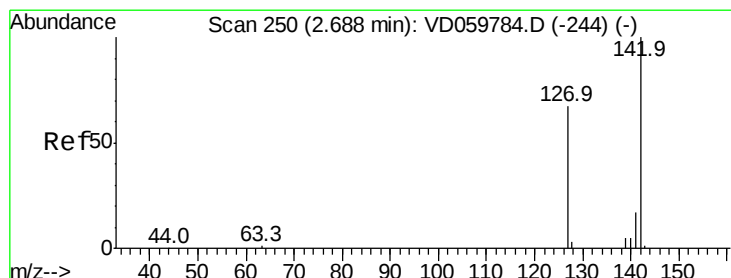
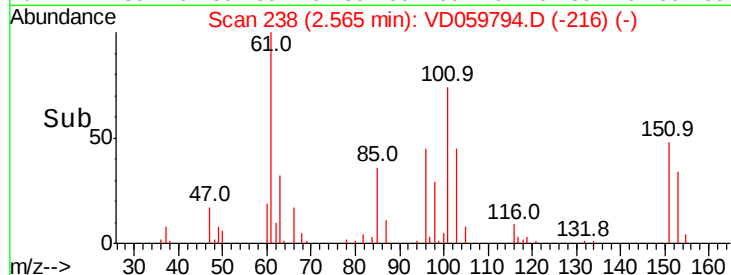
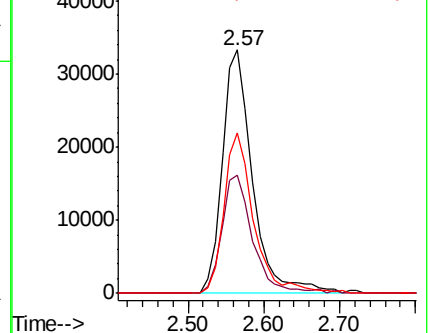
151 65.9 57.1 85.7



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: 52.619 ug/l

RT: 2.70 min Scan# 252

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

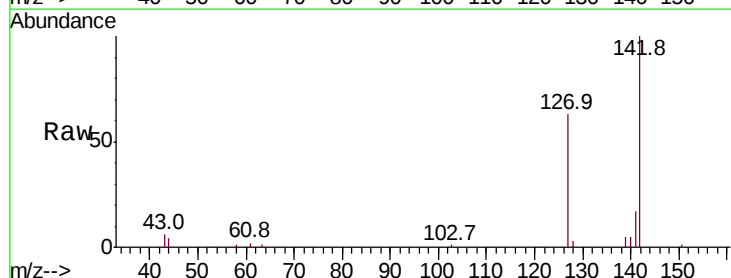
Tgt Ion:142 Resp: 108552

Ion Ratio Lower Upper

142 100

127 63.0 54.0 81.0

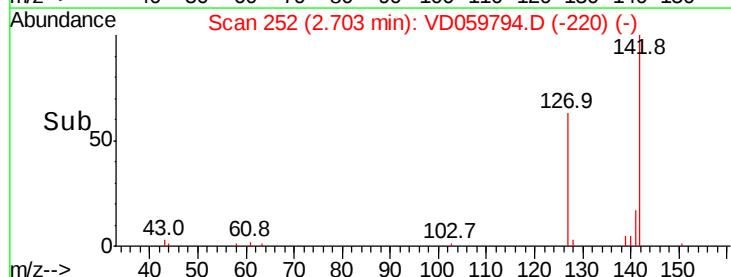
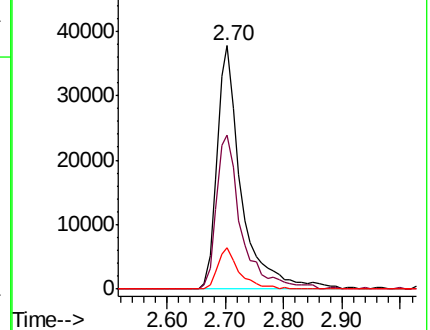
141 16.8 13.3 19.9

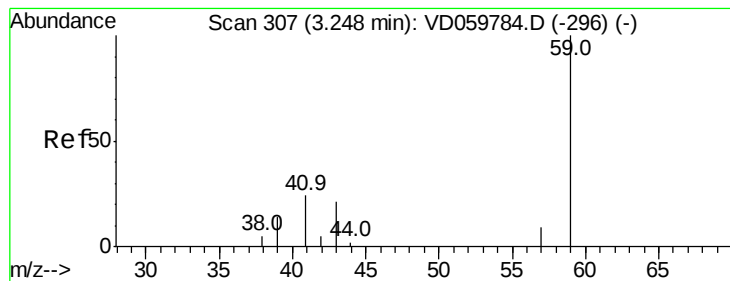


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



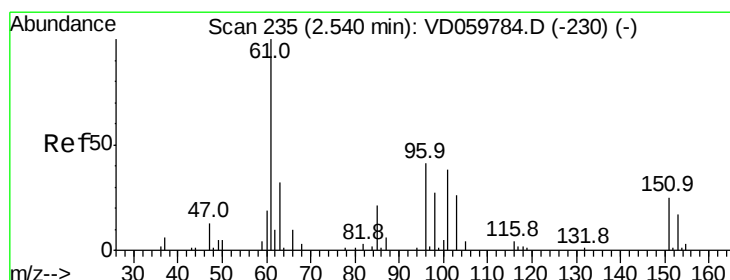
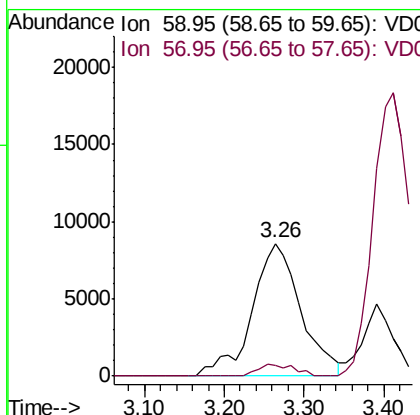
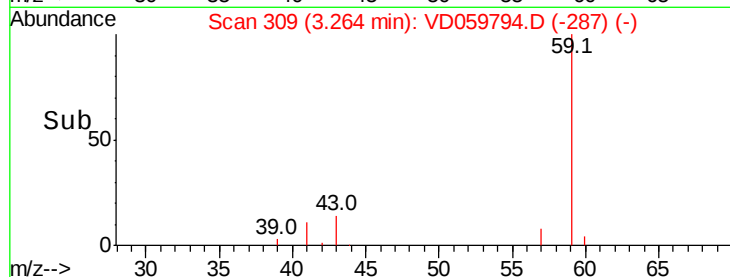
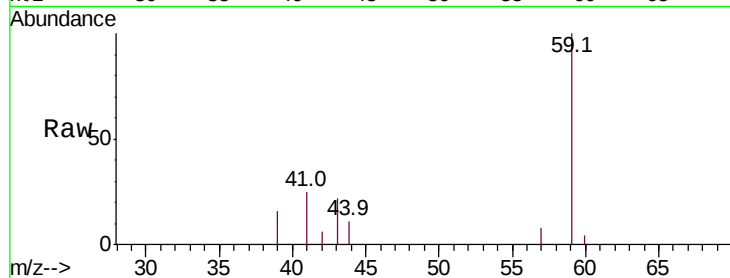


#11

Tert butyl alcohol
 Concen: 296.318 ug/l
 RT: 3.26 min Scan# 309
 Delta R.T. 0.02 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Instrument :
 MSVOA_D
 ClientSampled :

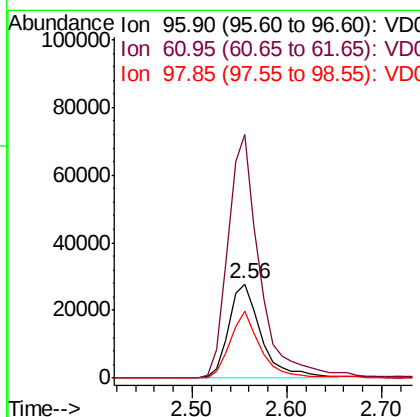
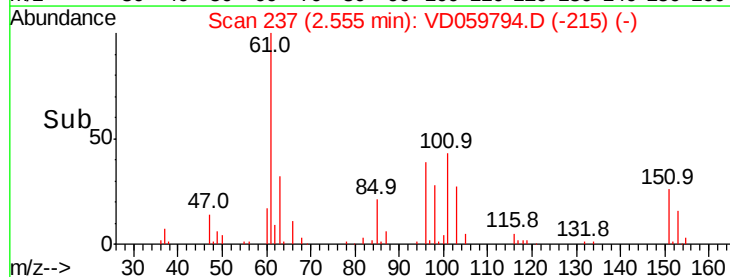
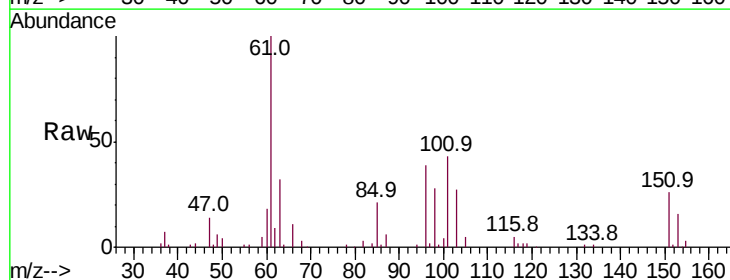
Tot Ion: 59 Resp: 36369
 Ion Ratio Lower Upper
 59 100
 57 7.9 7.5 11.3

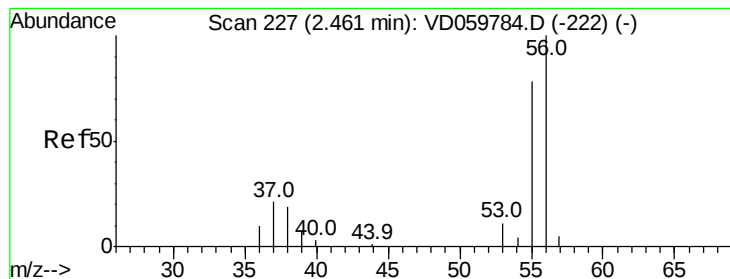


#12

1,1-Dichloroethene
 Concen: 54.288 ug/l
 RT: 2.56 min Scan# 237
 Delta R.T. 0.02 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion: 96 Resp: 66135
 Ion Ratio Lower Upper
 96 100
 61 259.2 194.1 291.1
 98 72.0 52.3 78.5





#13

Acrolein

Concen: 271.600 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

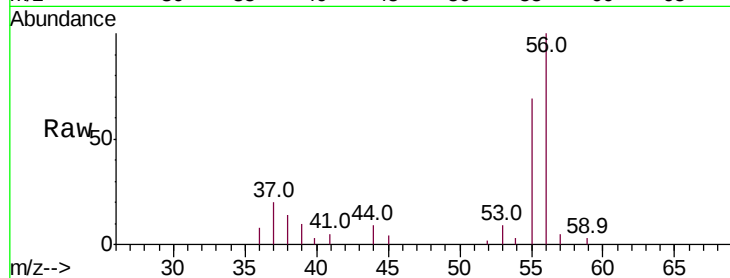
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 30818

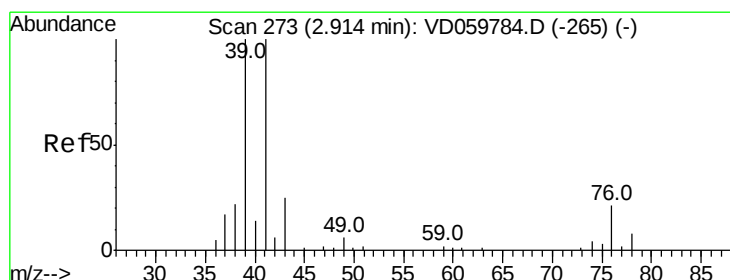
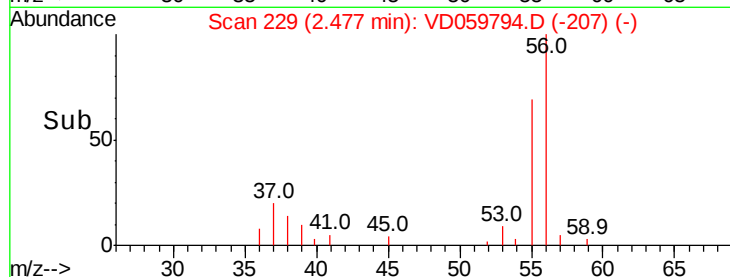
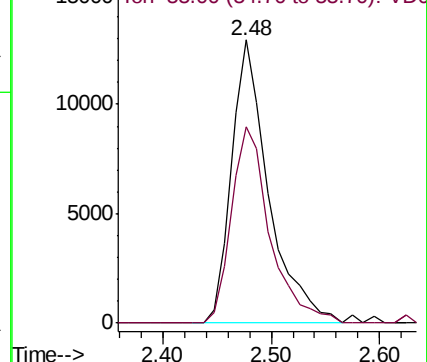
Ion Ratio Lower Upper

56 100

55 69.2 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: 54.434 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

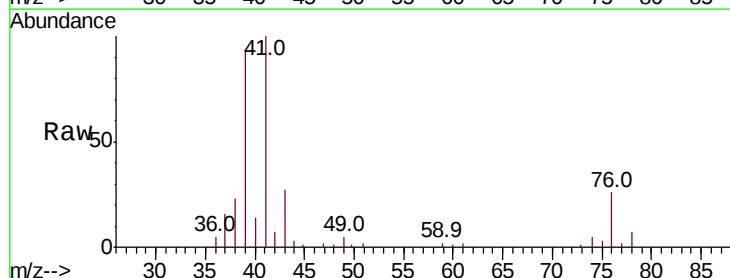
Tgt Ion: 41 Resp: 166628

Ion Ratio Lower Upper

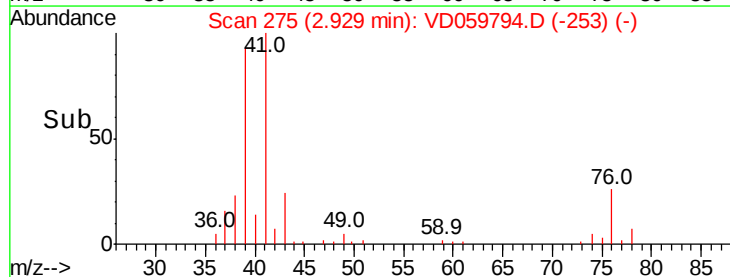
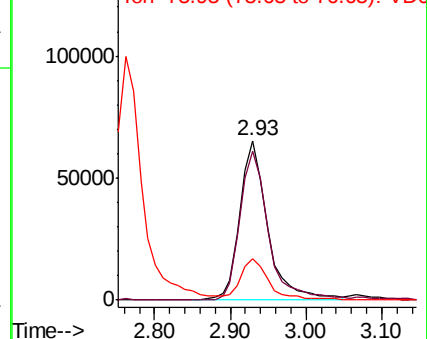
41 100

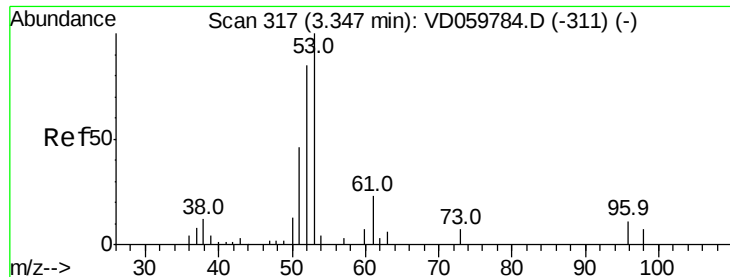
39 93.5 79.8 119.6

76 25.6 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: 288.602 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampled :

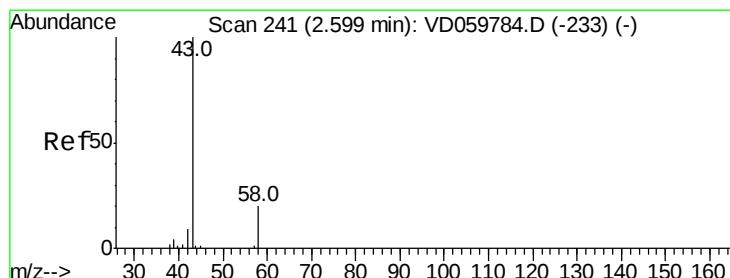
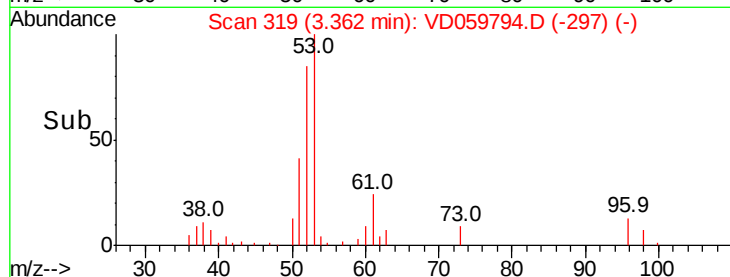
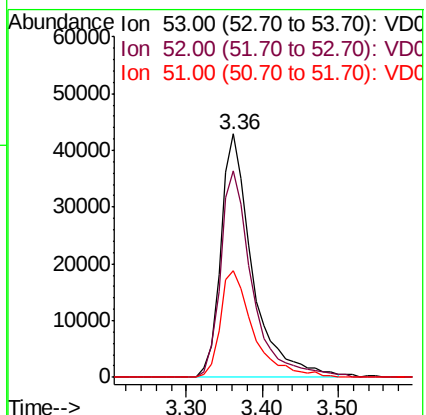
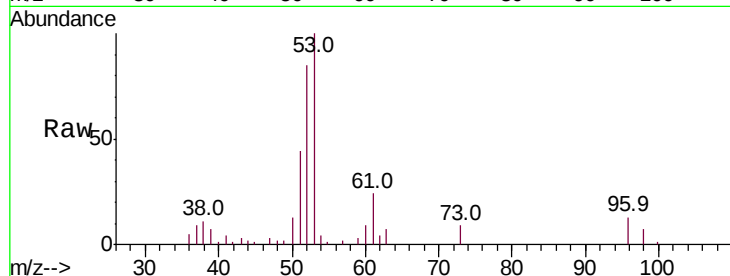
Tot Ion: 53 Resp: 124098

Ion Ratio Lower Upper

53 100

52 84.6 68.2 102.2

51 43.7 36.6 54.8



#16

Acetone

Concen: 273.189 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD059794.D

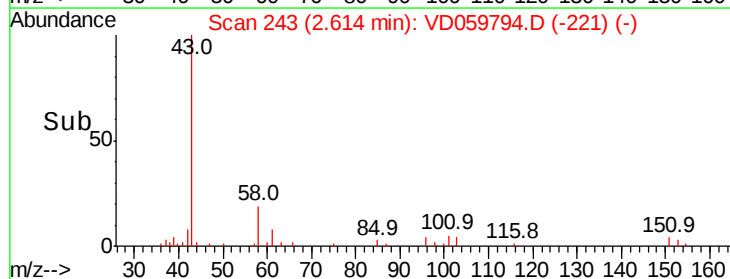
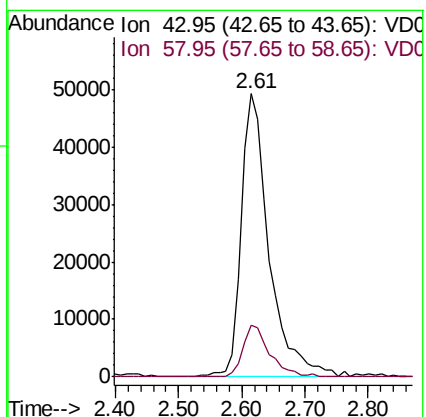
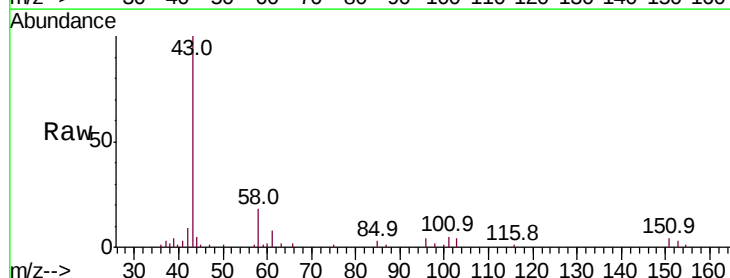
Acq: 15 Aug 2018 6:30

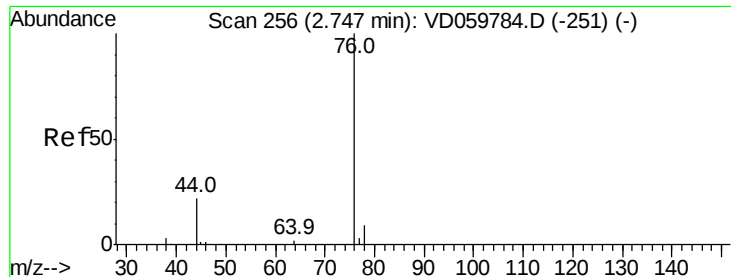
Tgt Ion: 43 Resp: 149562

Ion Ratio Lower Upper

43 100

58 18.5 15.7 23.5

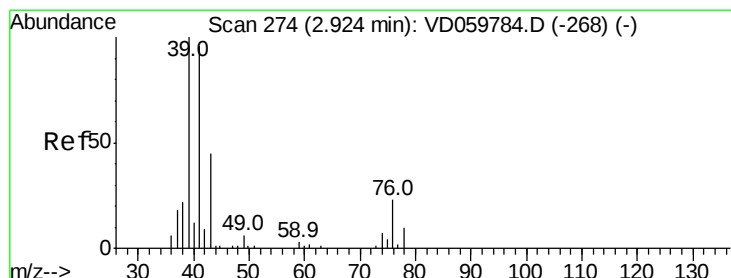
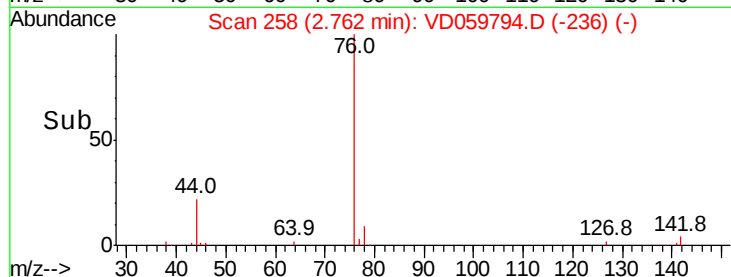
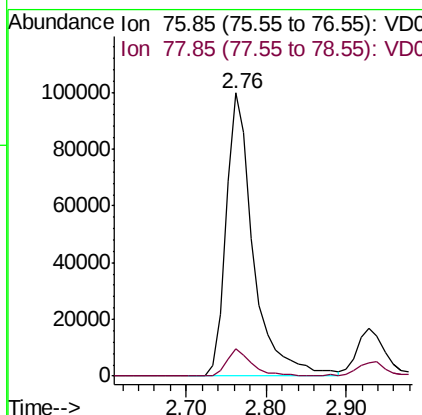
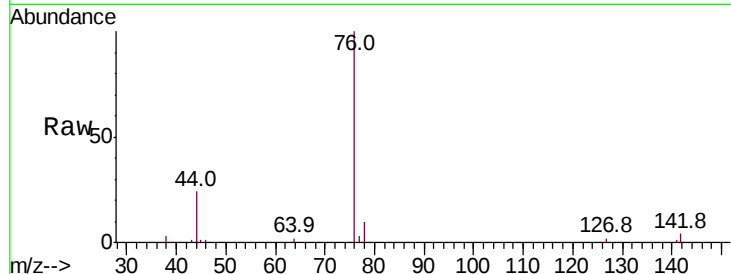




#17
Carbon Disulfide
Concen: 58.731 ug/l
RT: 2.76 min Scan# 258
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

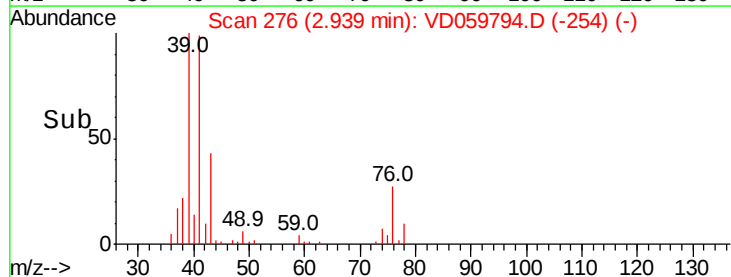
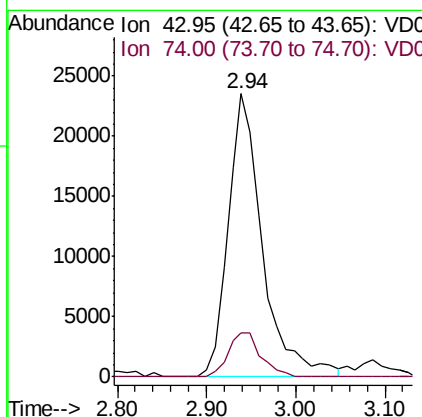
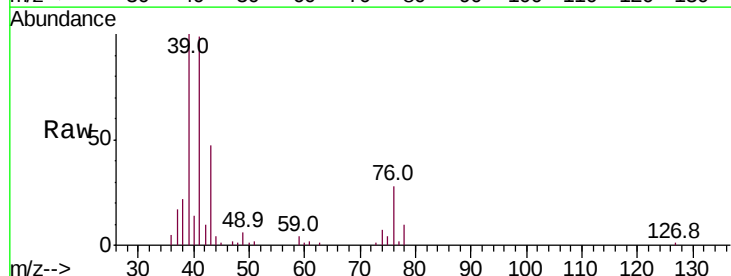
Instrument :
MSVOA_D
ClientSampleId :

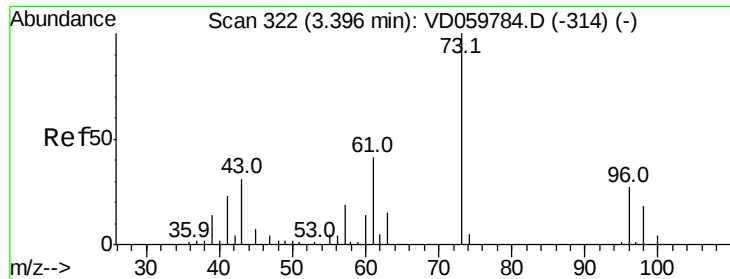
Tot Ion: 76 Resp: 239761
Ion Ratio Lower Upper
76 100
78 9.6 6.9 10.3



#18
Methyl Acetate
Concen: 54.030 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion: 43 Resp: 63217
Ion Ratio Lower Upper
43 100
74 15.4 12.4 18.6

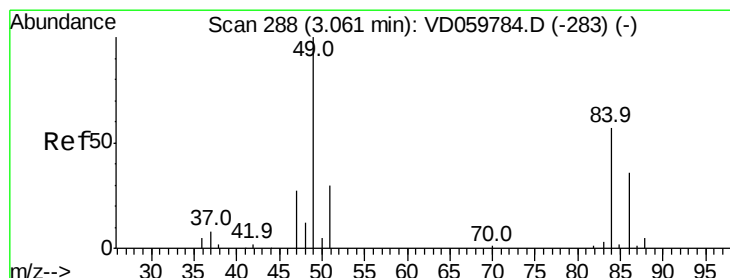
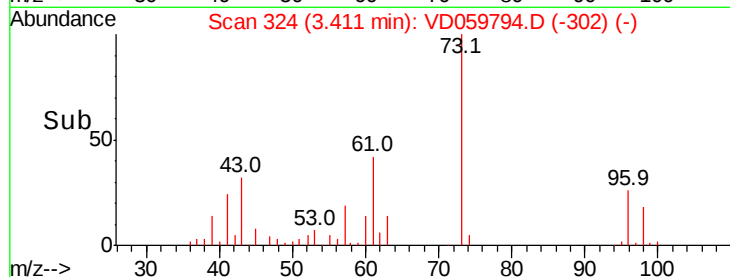
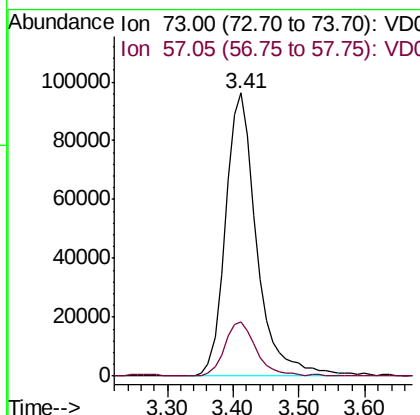
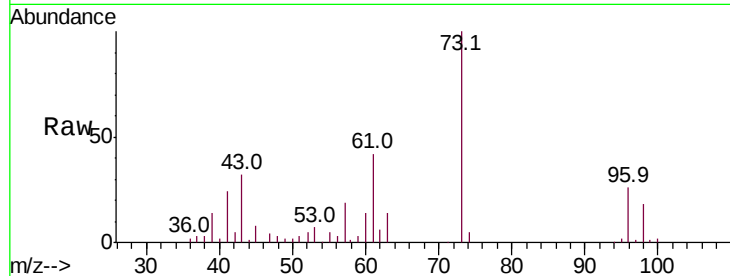




#19
Methvl tert-butvl Ether
Concen: 53.639 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

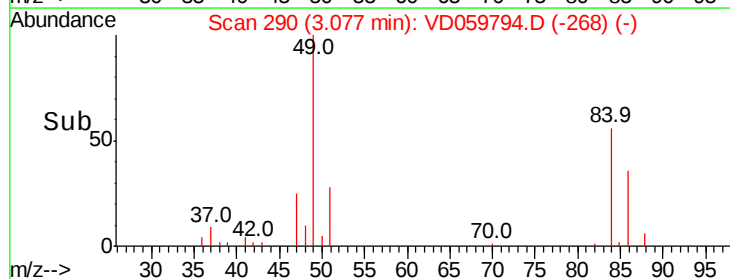
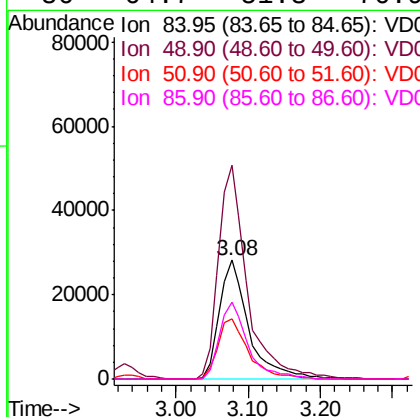
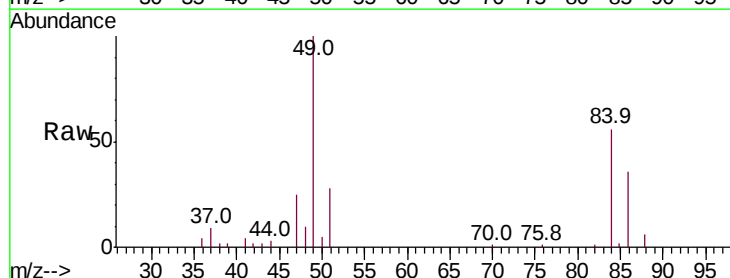
Instrument :
MSVOA_D
ClientSampleId :

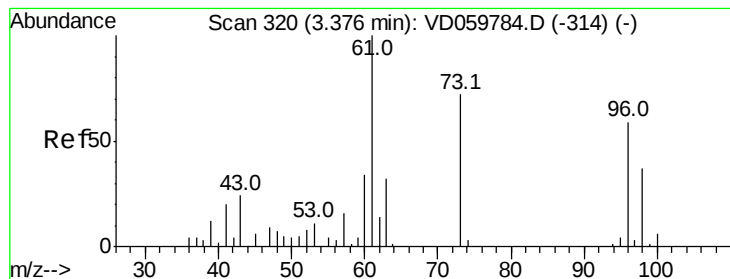
Tot Ion: 73 Resp: 318945
Ion Ratio Lower Upper
73 100
57 19.1 14.8 22.2



#20
Methylene Chloride
Concen: 53.750 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion: 84 Resp: 79389
Ion Ratio Lower Upper
84 100
49 180.1 140.9 211.3
51 50.5 42.8 64.2
86 64.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 54.857 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :
MSVOA_D
ClientSampled :

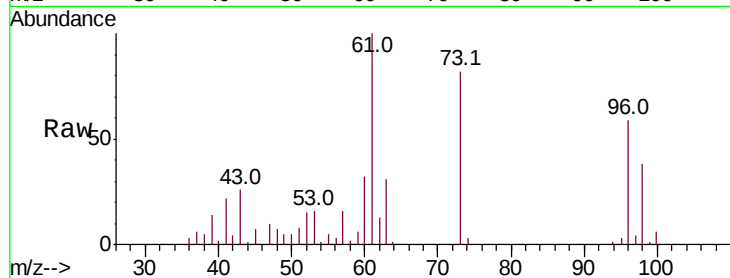
Tot Ion: 96 Resp: 131683

Ion Ratio Lower Upper

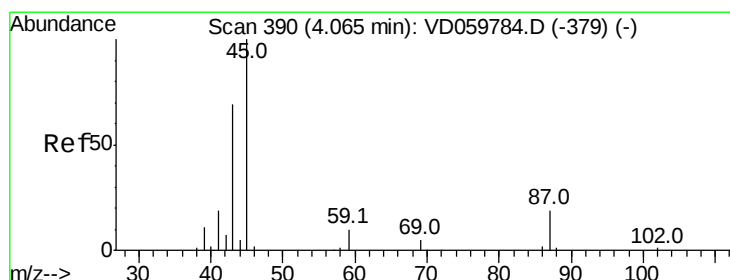
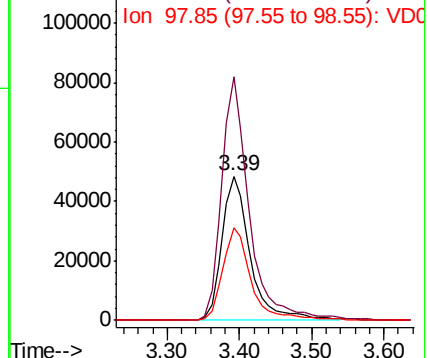
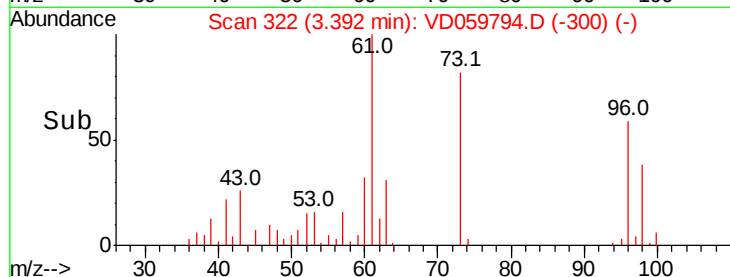
96 100

61 168.7 134.8 202.2

98 63.9 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: 53.934 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Tgt Ion: 45 Resp: 445395

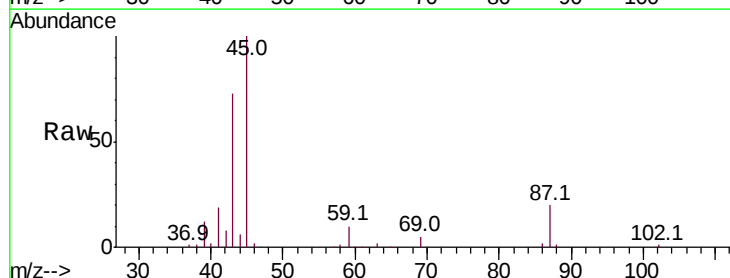
Ion Ratio Lower Upper

45 100

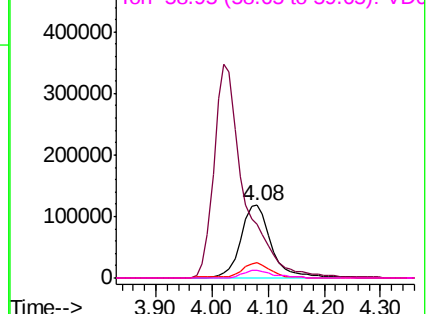
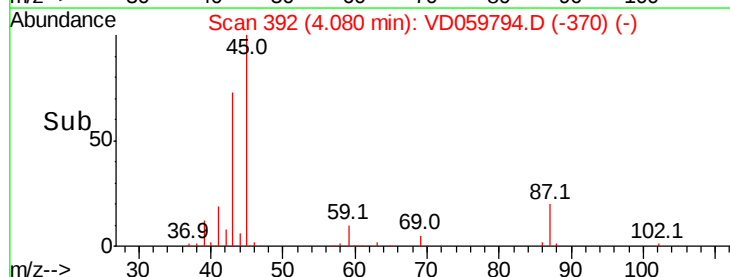
43 73.4 57.5 86.3

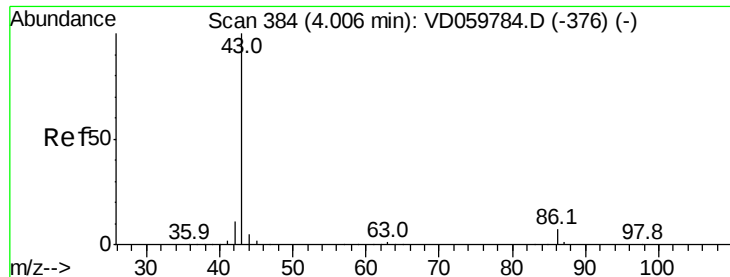
87 20.5 16.1 24.1

59 10.5 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: 277.057 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

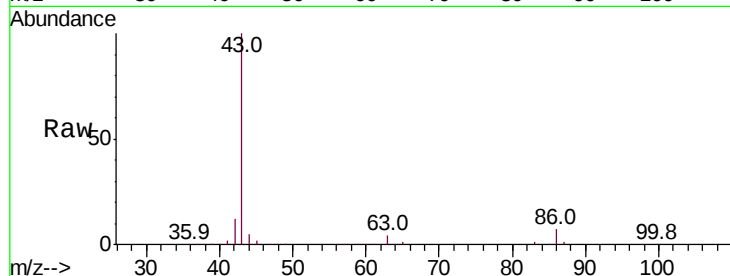
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1295746

Ion Ratio Lower Upper

43 100

86 6.9 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

400000

300000

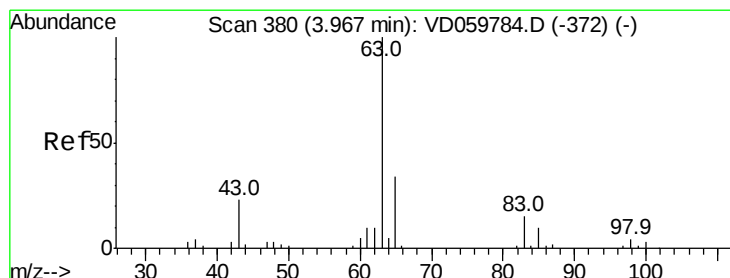
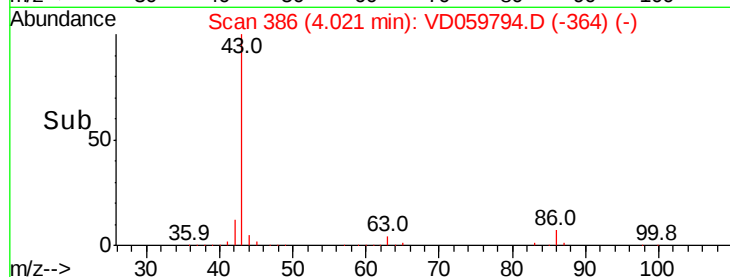
200000

100000

0

3.90 4.00 4.10 4.20

Time-->



#24

1,1-Dichloroethane

Concen: 53.335 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

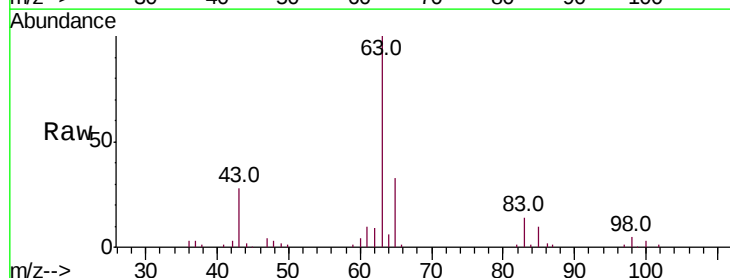
Tgt Ion: 63 Resp: 261294

Ion Ratio Lower Upper

63 100

98 5.1 2.2 6.6

100 2.9 1.6 4.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

100000

80000

60000

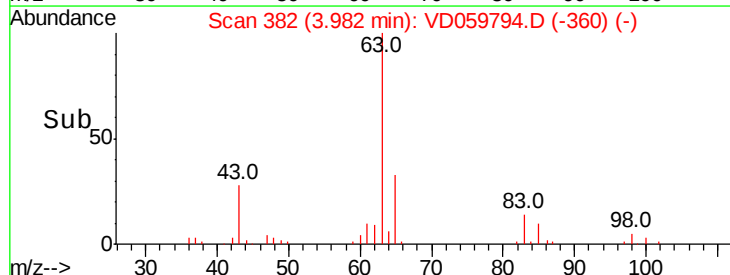
40000

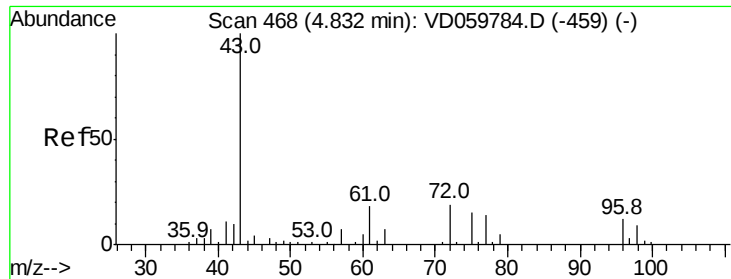
20000

0

3.80 3.90 4.00 4.10 4.20

Time-->





#25

2-Butanone

Concen: 302.928 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

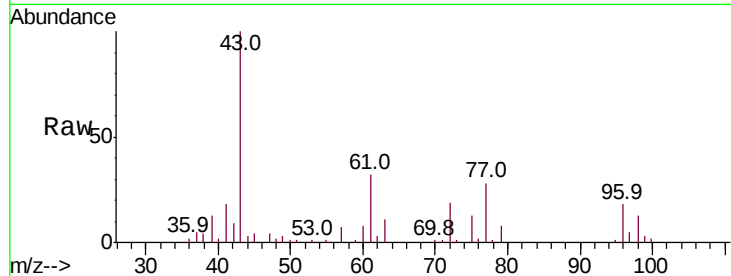
ClientSampleId :

Tot Ion: 43 Resp: 253826

Ion Ratio Lower Upper

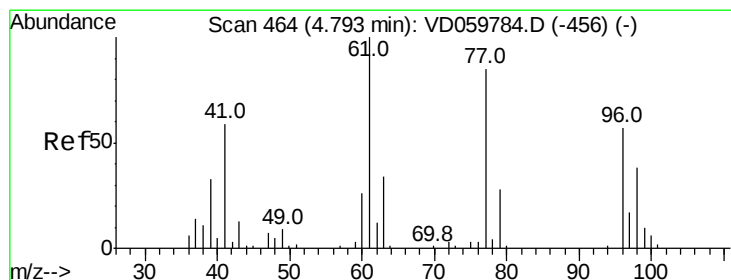
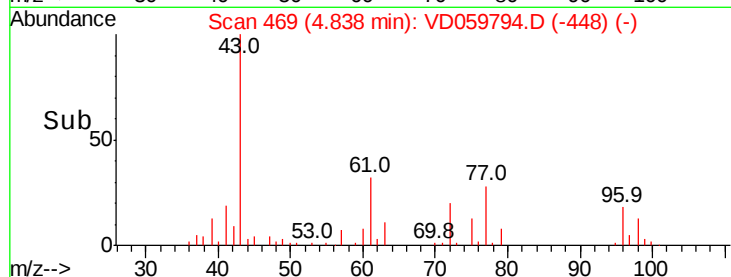
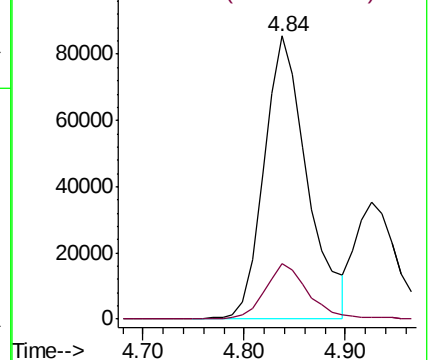
43 100

72 19.5 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: 51.098 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059794.D

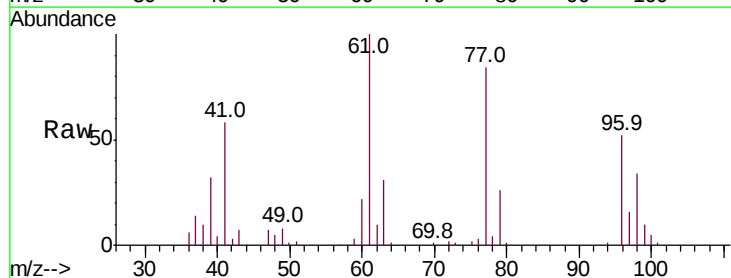
Acq: 15 Aug 2018 6:30

Tgt Ion: 77 Resp: 228911

Ion Ratio Lower Upper

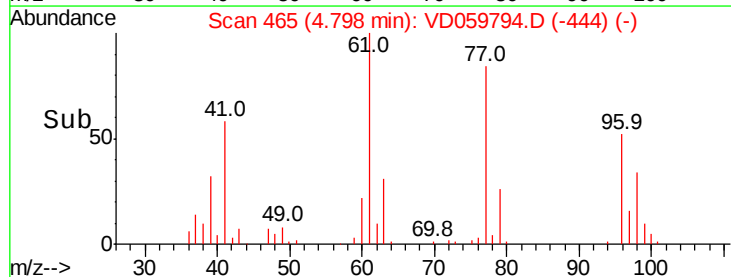
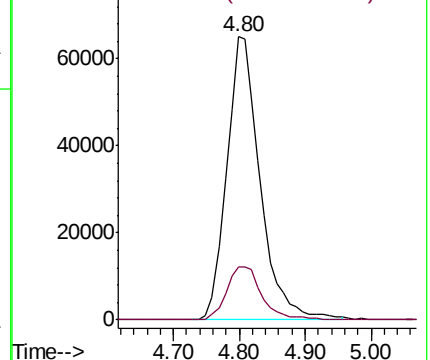
77 100

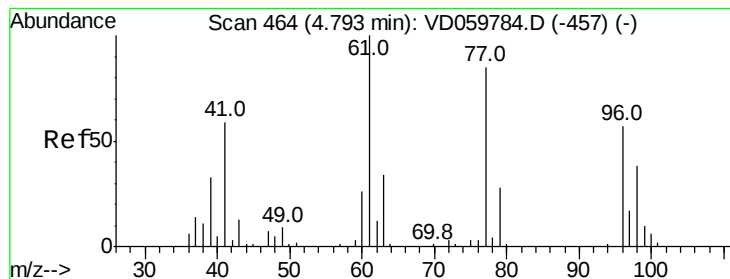
97 18.7 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



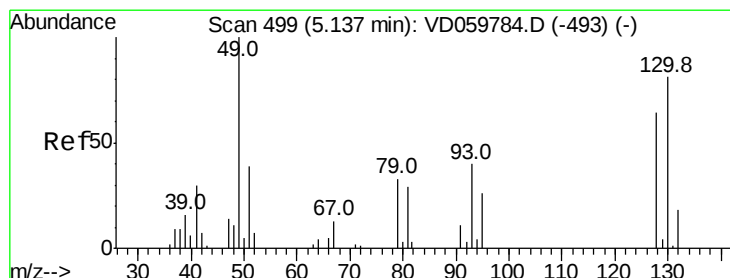
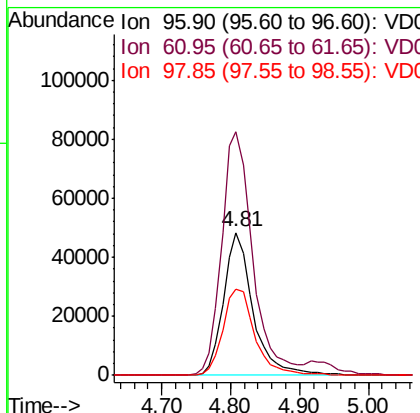
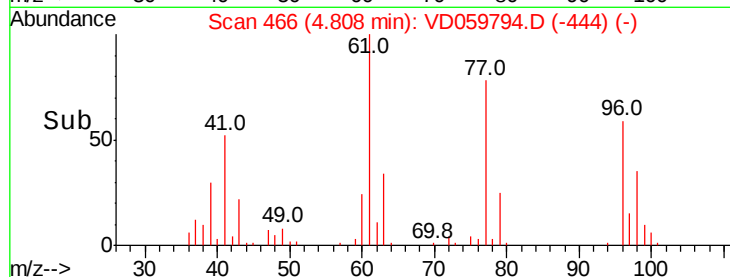
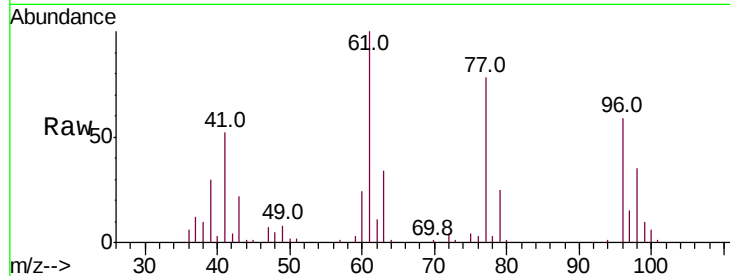


#27

cis-1,2-Dichloroethene
 Concen: 54.380 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. 0.02 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Instrument :
 MSVOA_D
 ClientSampleID :

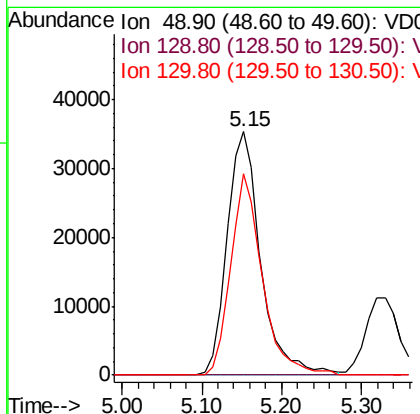
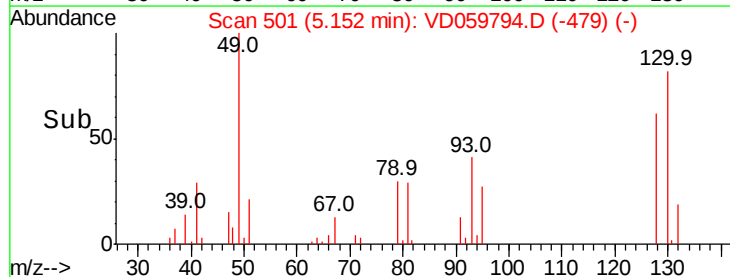
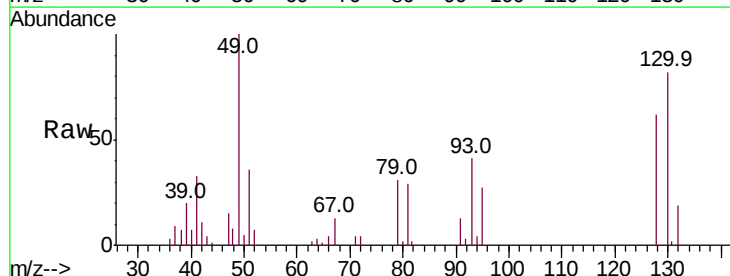
Tot Ion: 96 Resp: 143023
 Ion Ratio Lower Upper
 96 100
 61 170.5 0.0 351.6
 98 60.1 0.0 135.2

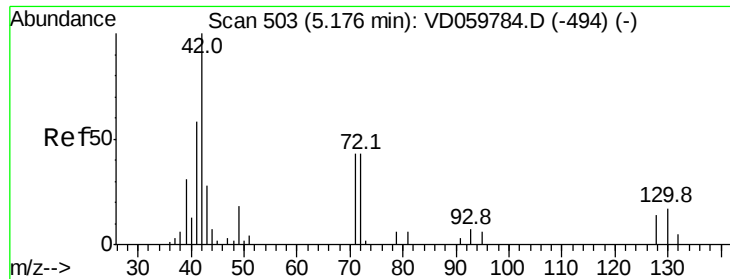


#28

Bromochloromethane
 Concen: 54.005 ug/l
 RT: 5.15 min Scan# 501
 Delta R.T. 0.02 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion: 49 Resp: 103814
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 7.0
 130 82.5 64.8 97.2





#29

Tetrahydrofuran

Concen: 286.204 ug/l

RT: 5.18 min Scan# 504

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

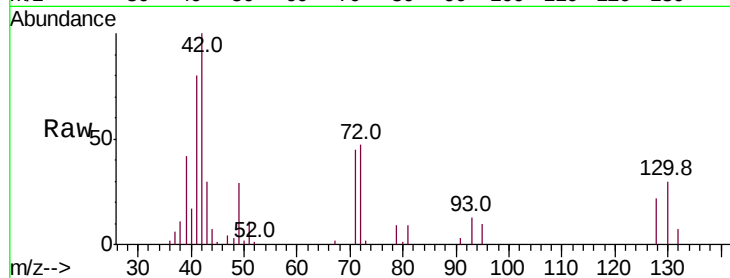
Tot Ion: 42 Resp: 102317

Ion Ratio Lower Upper

42 100

72 44.9 34.3 51.5

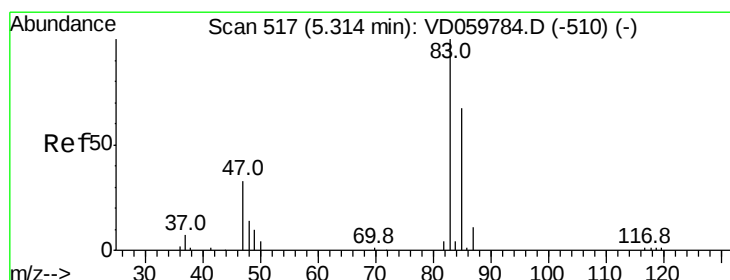
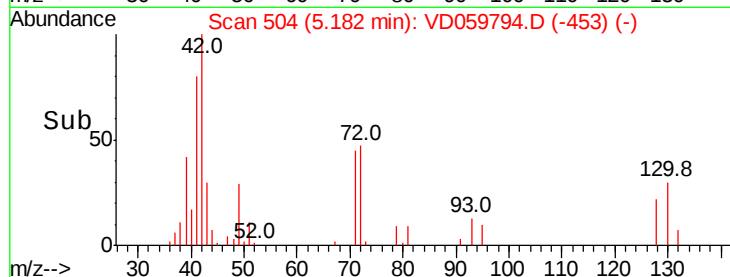
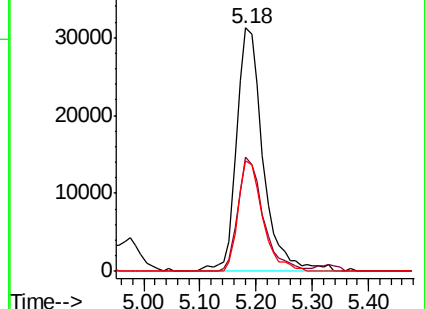
71 41.8 33.0 49.6



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: 53.020 ug/l

RT: 5.33 min Scan# 519

Delta R.T. 0.02 min

Lab File: VD059794.D

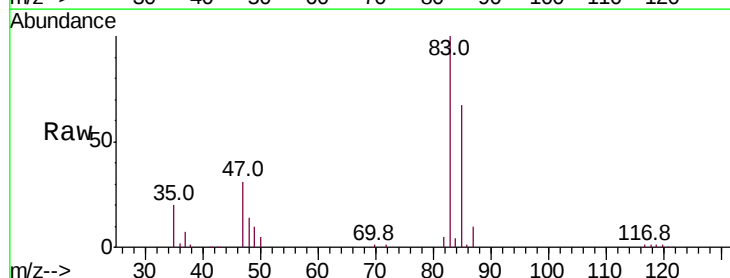
Acq: 15 Aug 2018 6:30

Tgt Ion: 83 Resp: 311896

Ion Ratio Lower Upper

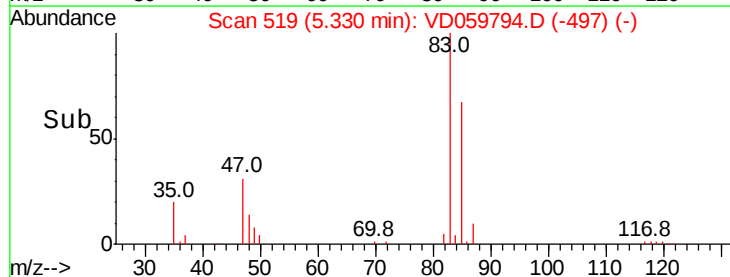
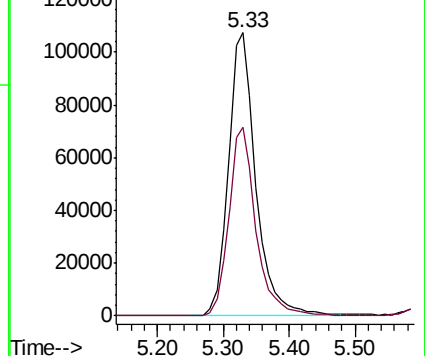
83 100

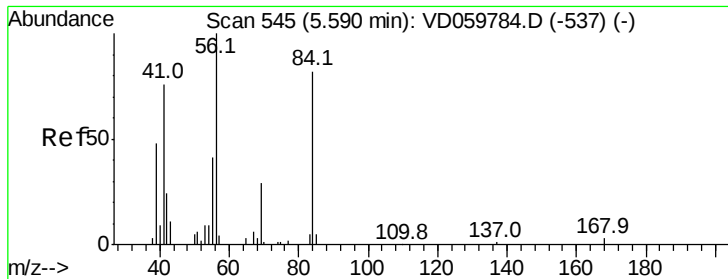
85 66.9 53.4 80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

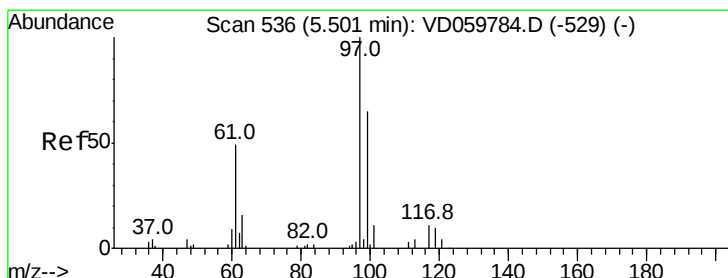
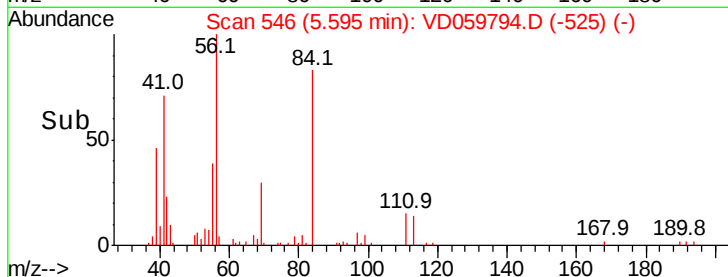
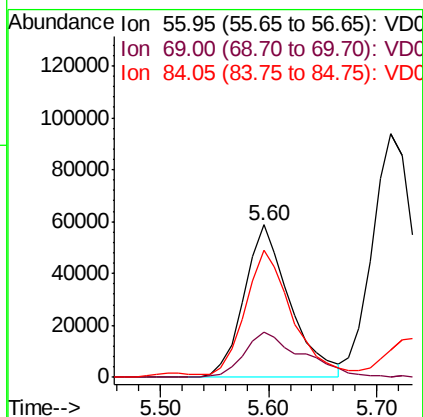
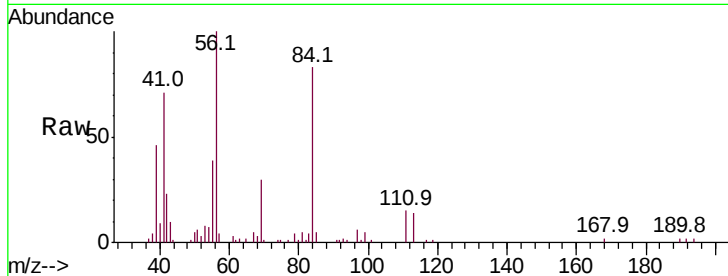




#31
Cyclohexane
Concen: 49.229 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

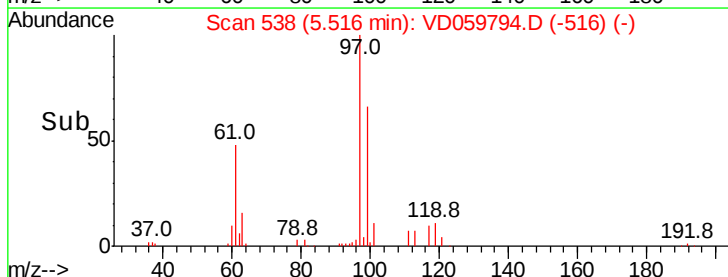
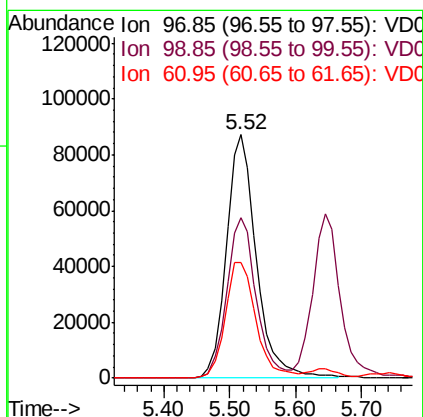
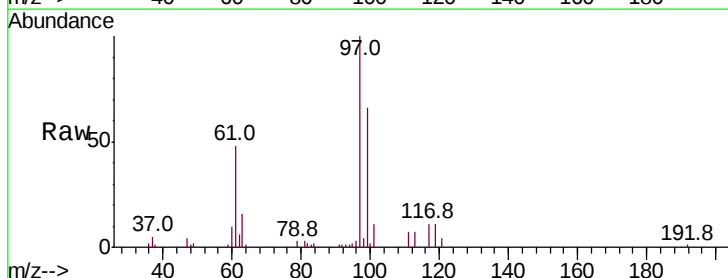
Instrument :
MSVOA_D
ClientSampleId :

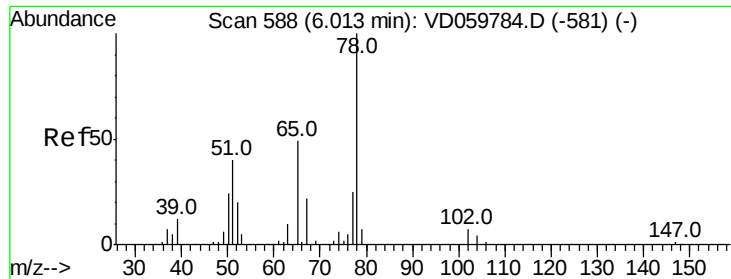
Tot Ion: 56 Resp: 173455
Ion Ratio Lower Upper
56 100
69 30.1 23.4 35.2
84 83.4 65.4 98.2



#32
1,1,1-Trichloroethane
Concen: 53.544 ug/l
RT: 5.52 min Scan# 538
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion: 97 Resp: 276943
Ion Ratio Lower Upper
97 100
99 65.8 52.2 78.2
61 47.7 39.6 59.4





#33

1,2-Dichloroethane-d4

Concen: 53.544 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

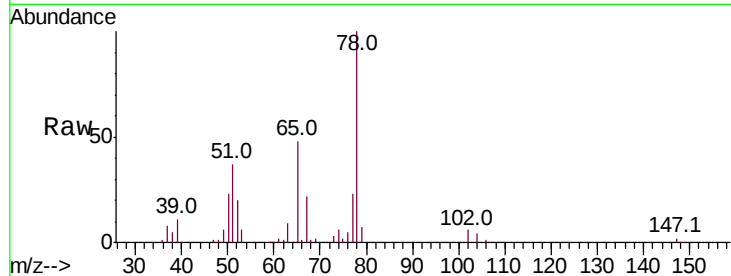
ClientSampled :

Tot Ion: 65 Resp: 195648

Ion Ratio Lower Upper

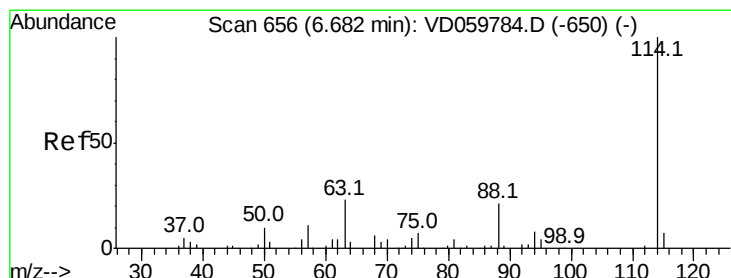
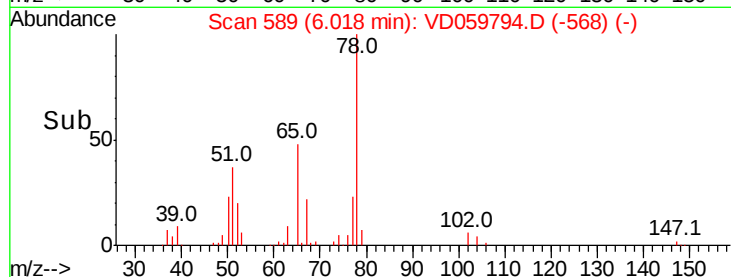
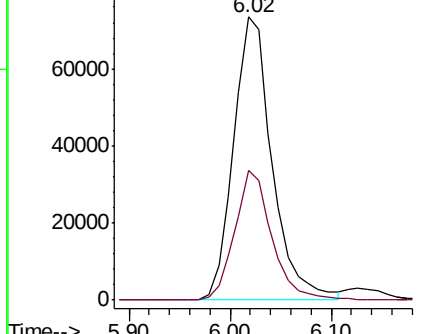
65 100

67 46.1 0.0 87.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

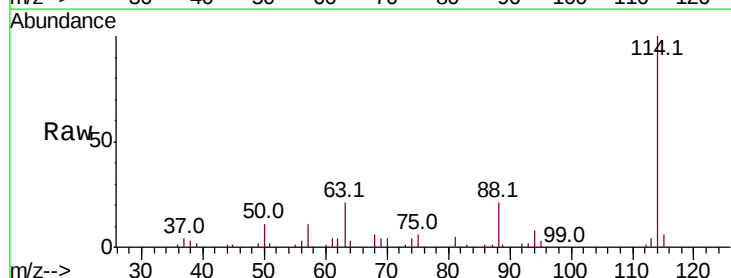
Tgt Ion: 114 Resp: 367446

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.0

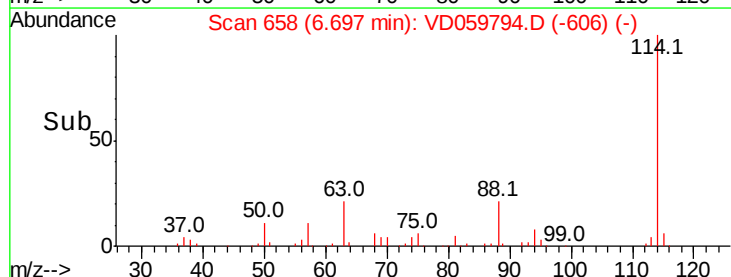
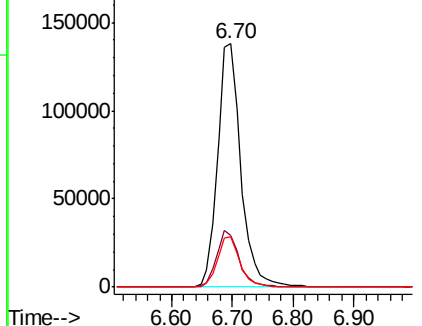
88 20.7 0.0 41.2

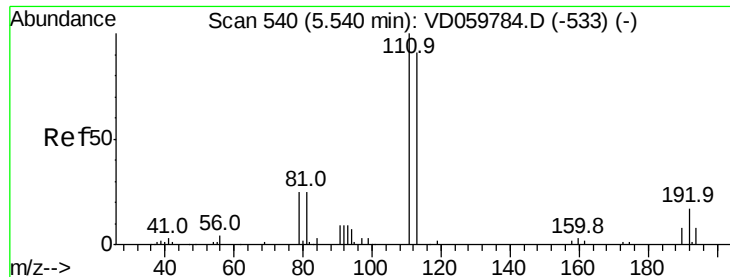


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

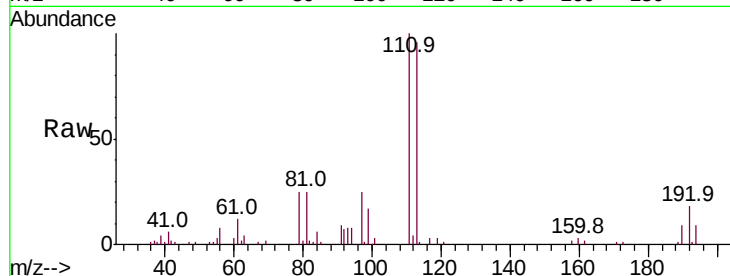
Tot Ion:113 Resp: 178544

Ion Ratio Lower Upper

113 100

111 103.8 87.7 131.5

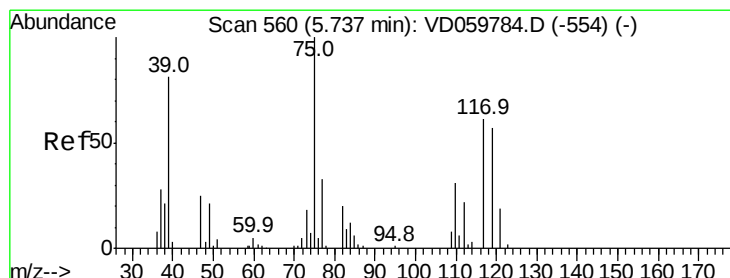
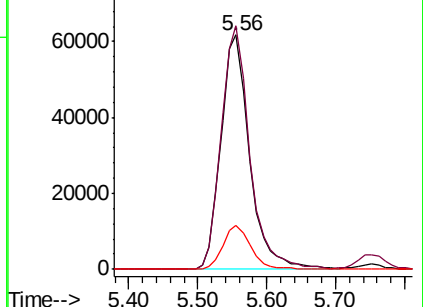
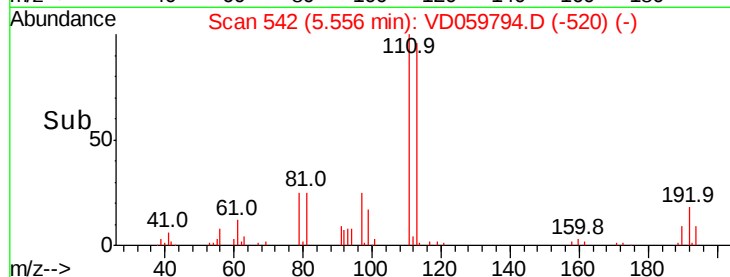
192 18.8 14.6 21.8



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: 51.698 ug/l

RT: 5.75 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

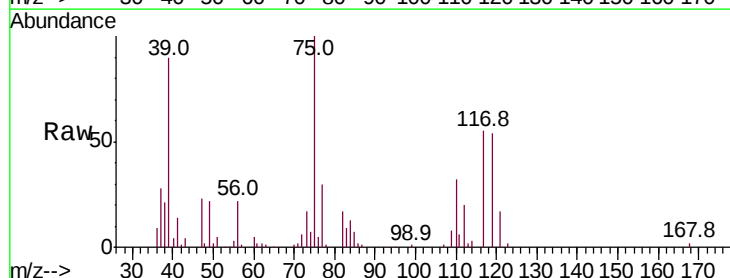
Tgt Ion: 75 Resp: 194899

Ion Ratio Lower Upper

75 100

110 32.0 15.3 45.8

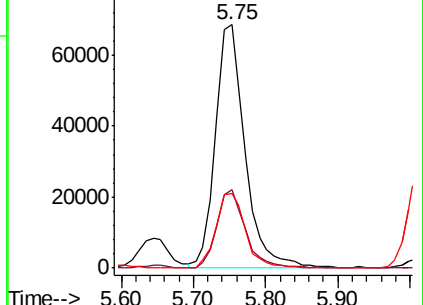
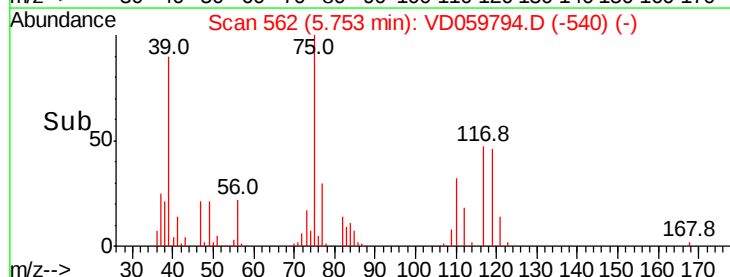
77 30.5 26.2 39.4

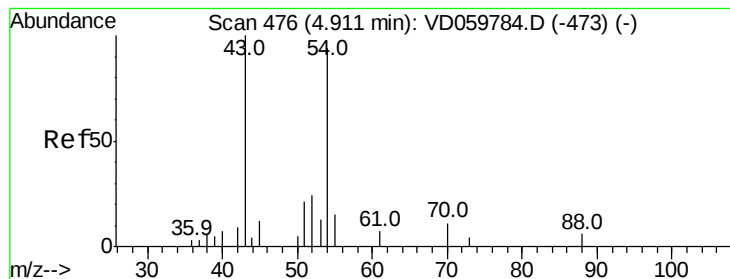


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 56.560 ug/l

RT: 4.93 min Scan# 478

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

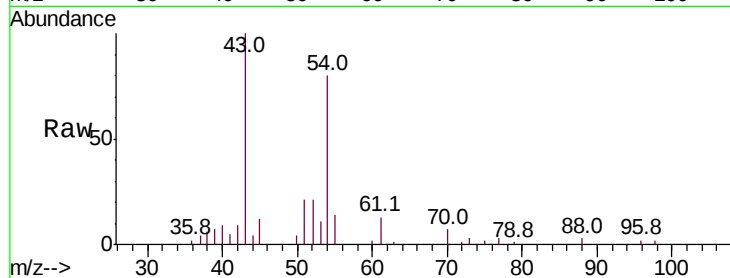
Tot Ion: 43 Resp: 106646

Ion Ratio Lower Upper

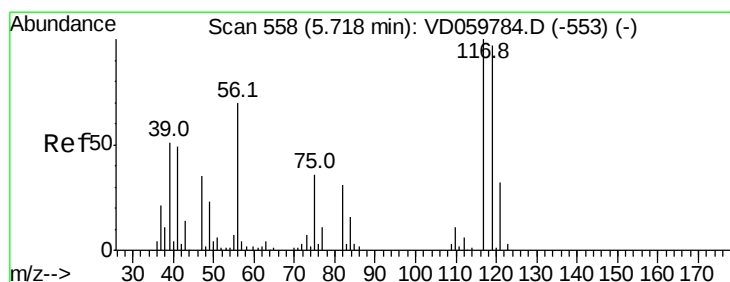
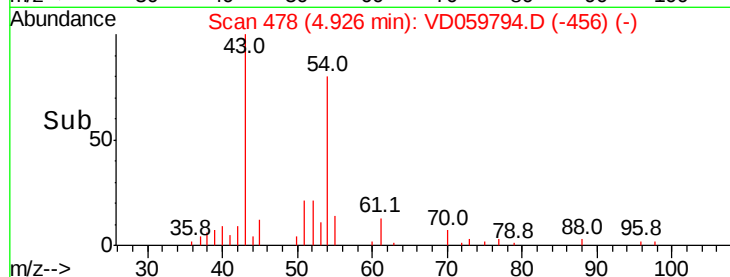
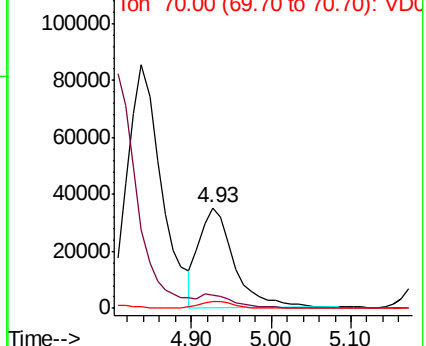
43 100

61 12.9 10.2 15.2

70 7.3 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: 51.575 ug/l

RT: 5.73 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

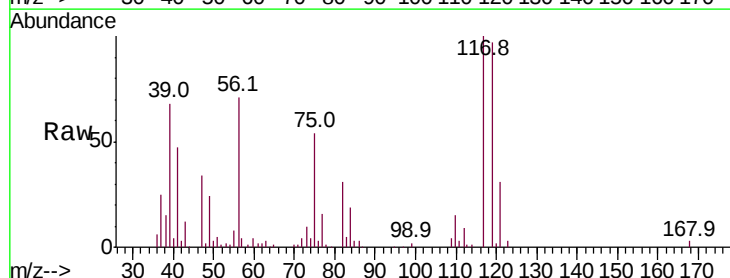
Tgt Ion: 117 Resp: 234575

Ion Ratio Lower Upper

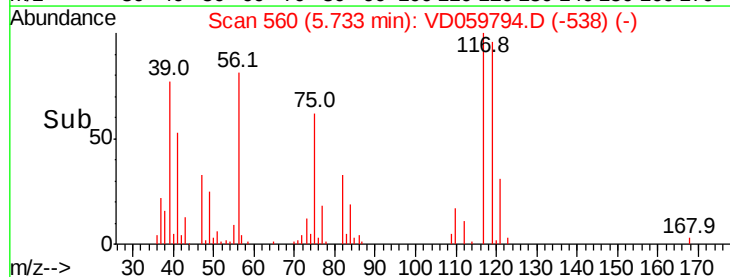
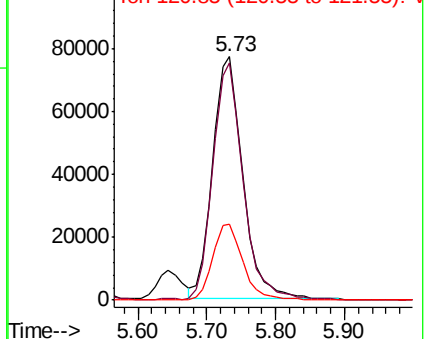
117 100

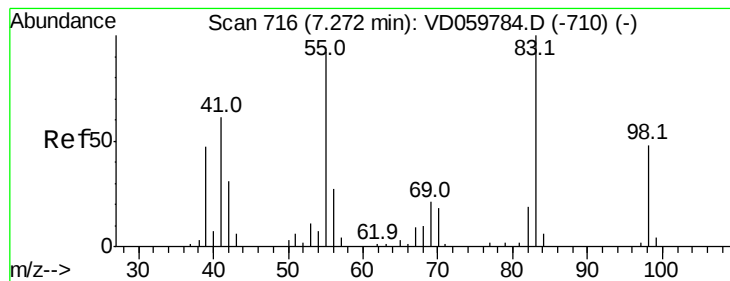
119 97.4 75.7 113.5

121 31.4 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

Methvlcvclohexane

Concen: 52.050 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

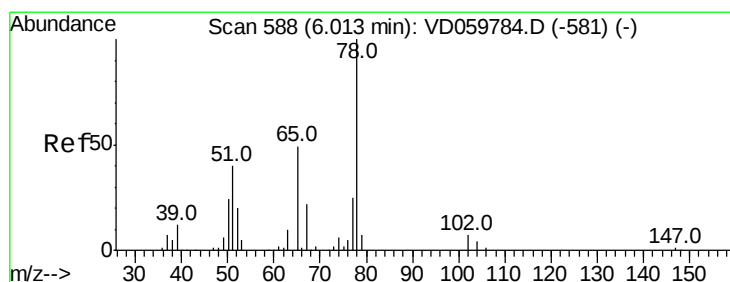
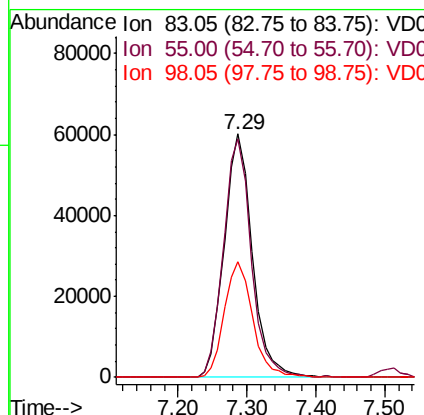
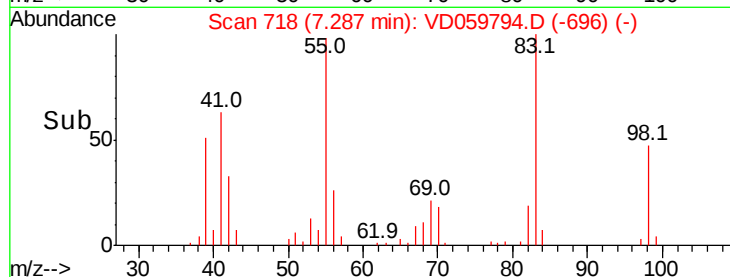
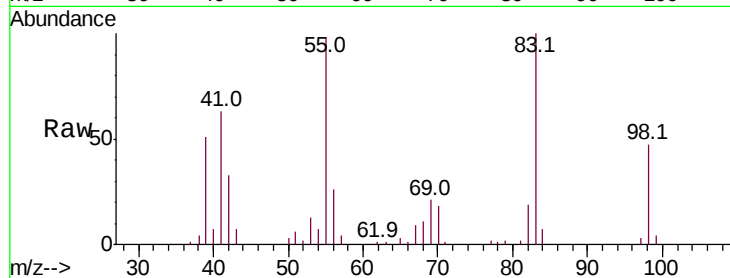
Tot Ion: 83 Resp: 169743

Ion Ratio Lower Upper

83 100

55 98.2 73.8 110.6

98 47.4 38.4 57.6



#40

Benzene

Concen: 52.767 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD059794.D

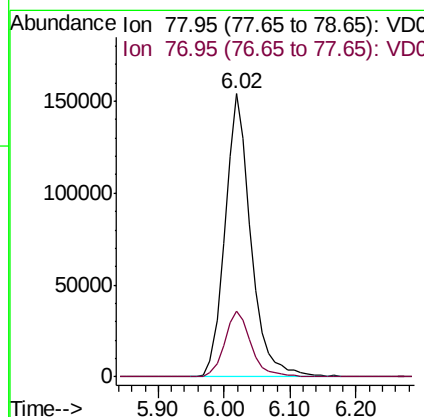
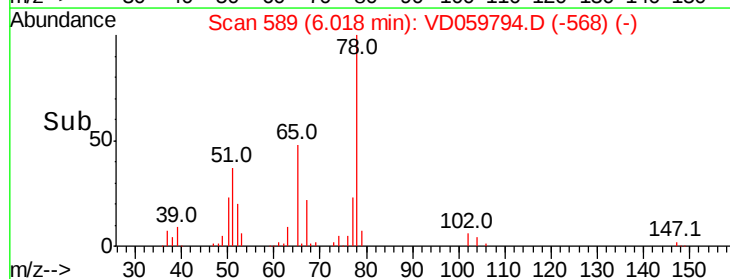
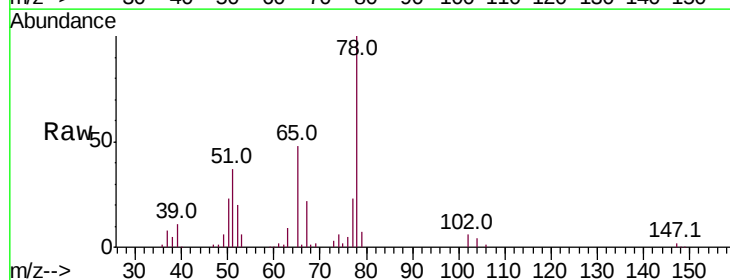
Acq: 15 Aug 2018 6:30

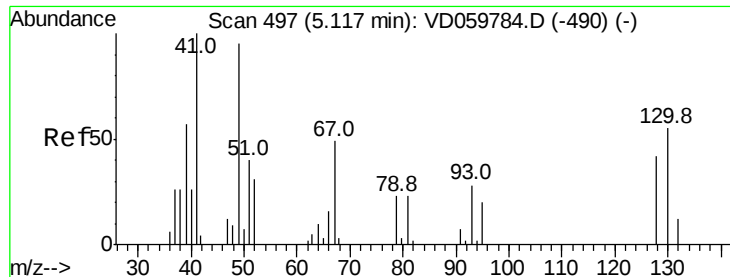
Tgt Ion: 78 Resp: 421949

Ion Ratio Lower Upper

78 100

77 23.4 19.6 29.4

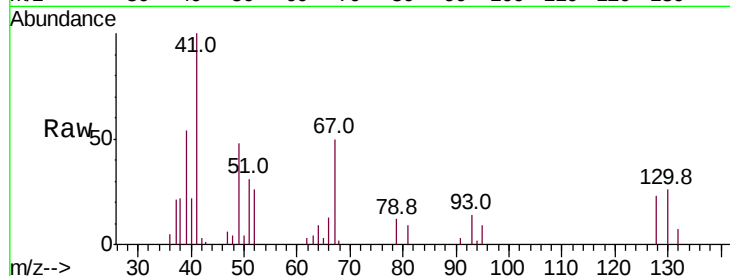




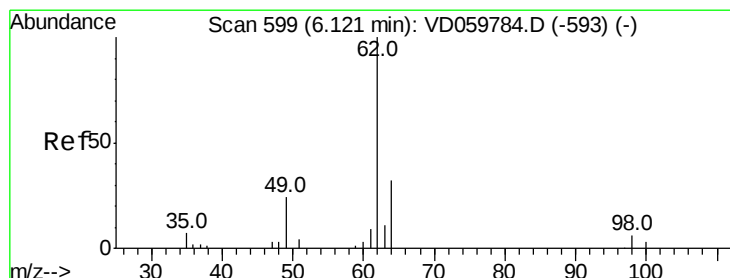
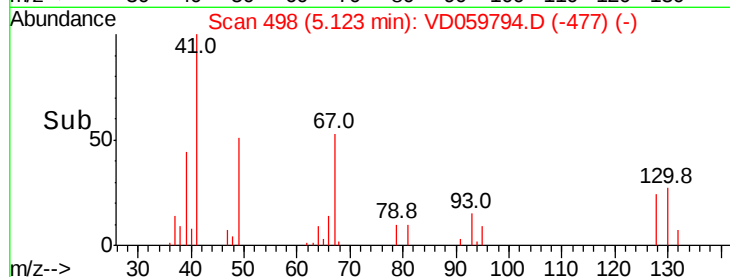
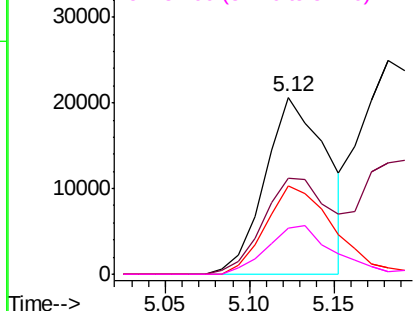
#41
Methacrylonitrile
Concen: 58.638 ug/l
RT: 5.12 min Scan# 498
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	52897
Ion	Ratio	Lower	Upper
41	100		
39	54.5	45.4	68.2
67	50.0	39.5	59.3
52	25.9	24.8	37.2

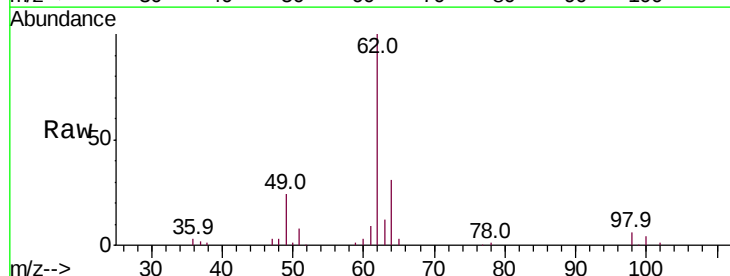


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

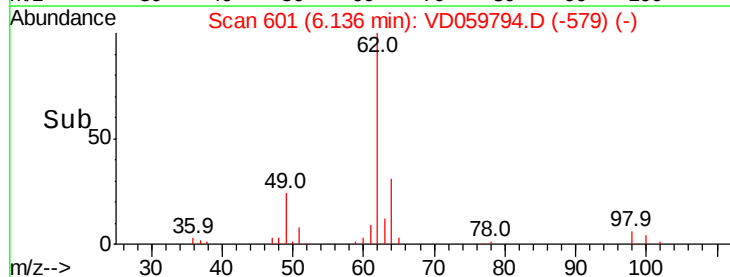
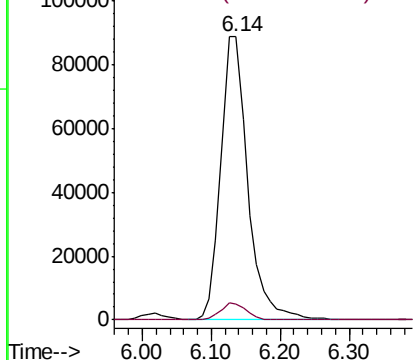


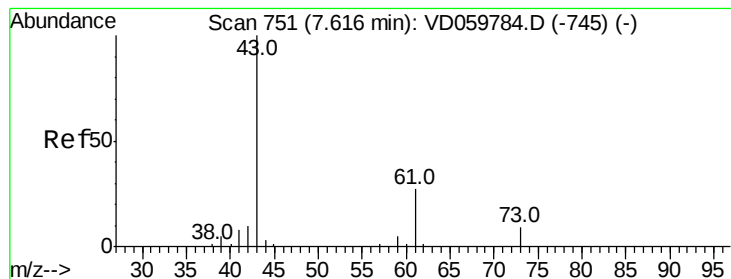
#42
1,2-Dichloroethane
Concen: 56.111 ug/l
RT: 6.14 min Scan# 601
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion:	62	Resp:	242828
Ion	Ratio	Lower	Upper
62	100		
98	5.5	0.0	12.0



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





#43

Isopropyl Acetate

Concen: 58.249 ug/l

RT: 7.62 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

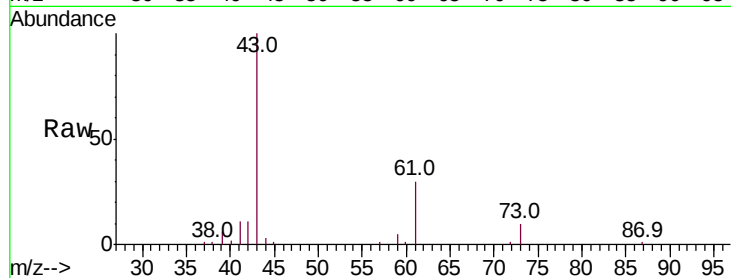
Tot Ion: 43 Resp: 138695

Ion Ratio Lower Upper

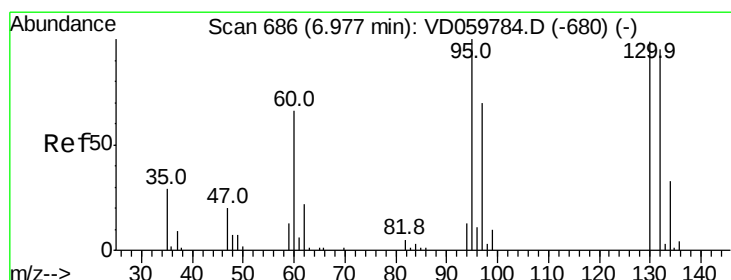
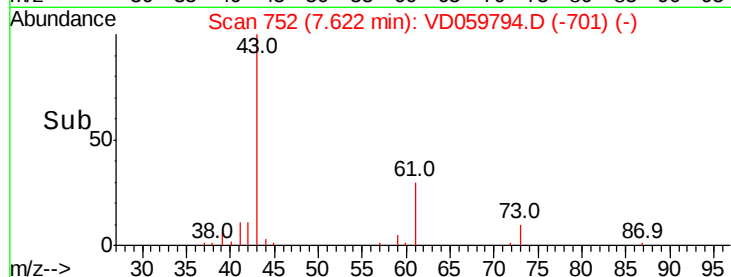
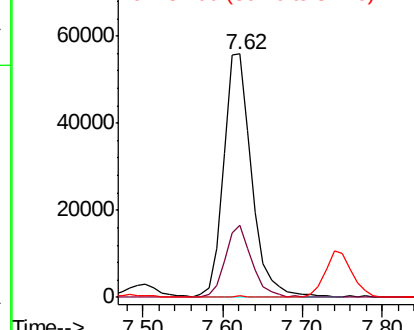
43 100

61 29.6 21.2 31.8

87 0.6 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: 52.630 ug/l

RT: 6.98 min Scan# 687

Delta R.T. 0.01 min

Lab File: VD059794.D

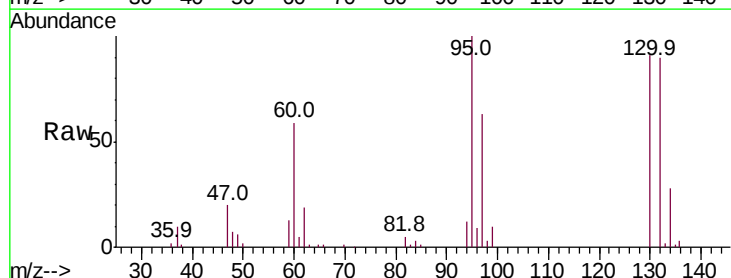
Acq: 15 Aug 2018 6:30

Tgt Ion:130 Resp: 144113

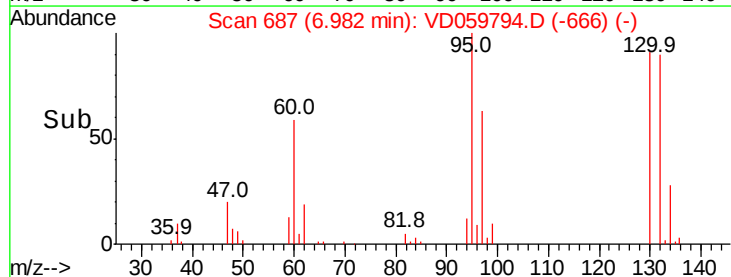
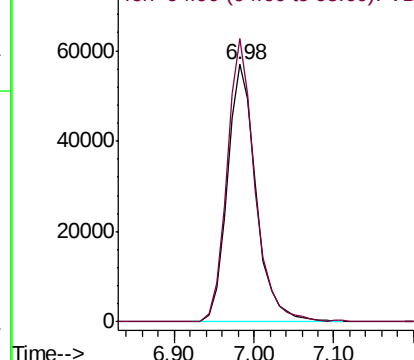
Ion Ratio Lower Upper

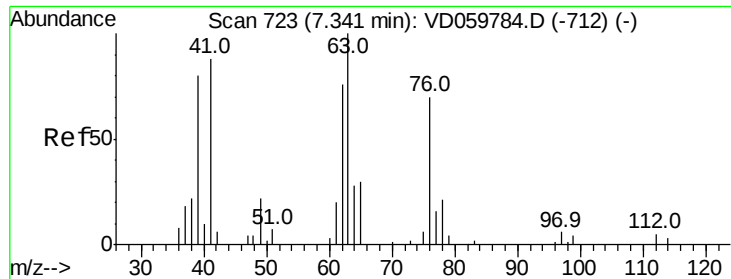
130 100

95 110.0 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: 56.102 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

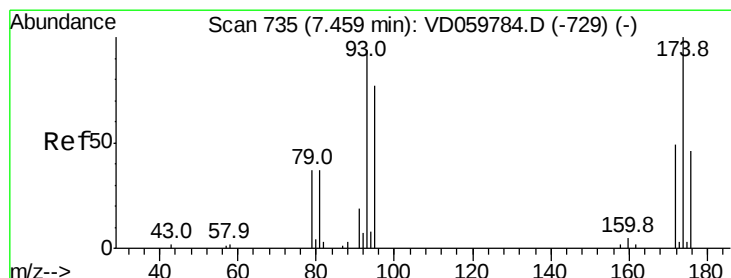
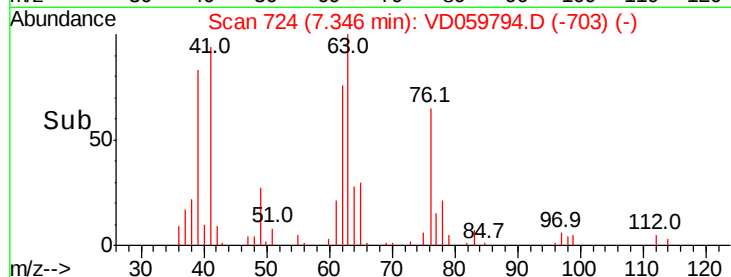
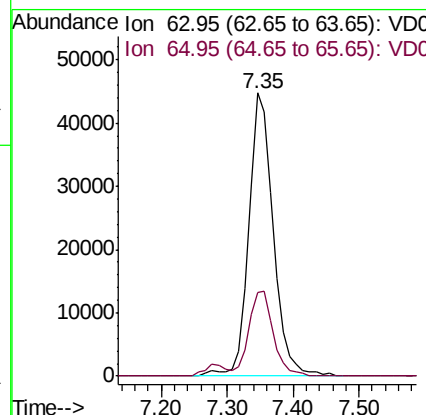
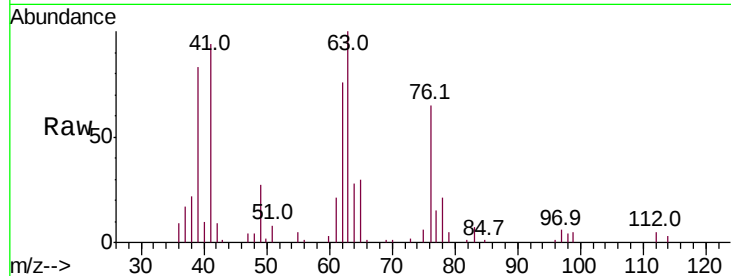
ClientSampleId :

Tot Ion: 63 Resp: 116605

Ion Ratio Lower Upper

63 100

65 29.6 24.2 36.4



#46

Dibromomethane

Concen: 54.710 ug/l

RT: 7.46 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

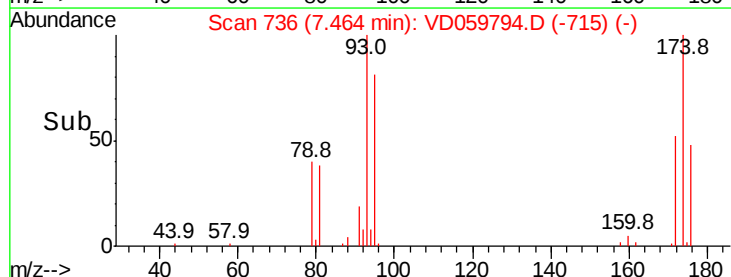
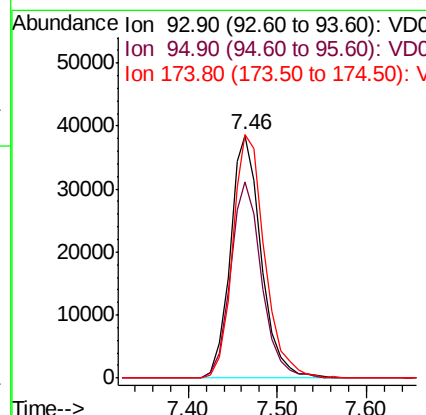
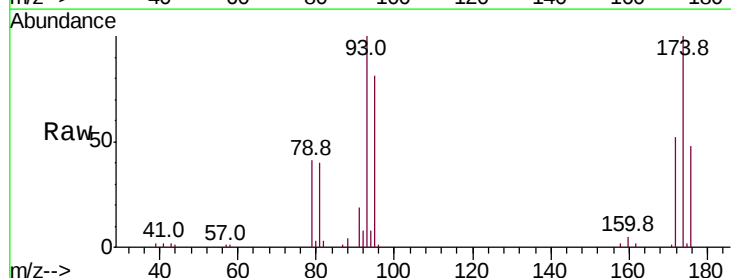
Tgt Ion: 93 Resp: 93003

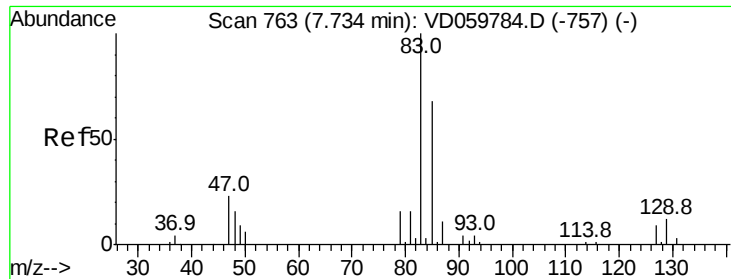
Ion Ratio Lower Upper

93 100

95 81.0 66.2 99.4

174 100.3 85.5 128.3





#47

Bromodichloromethane

Concen: 55.195 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

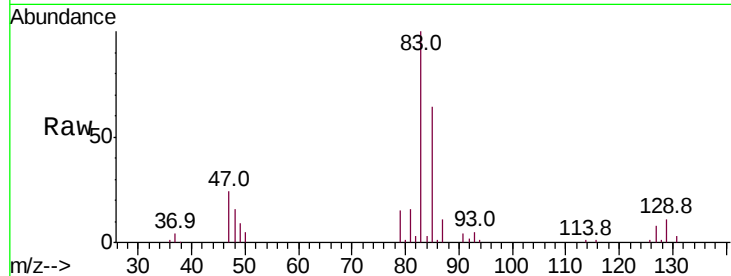
Tot Ion: 83 Resp: 229892

Ion Ratio Lower Upper

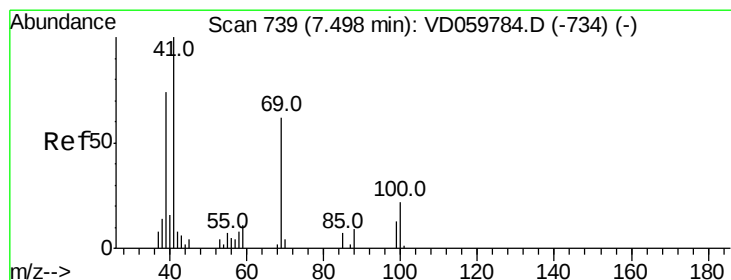
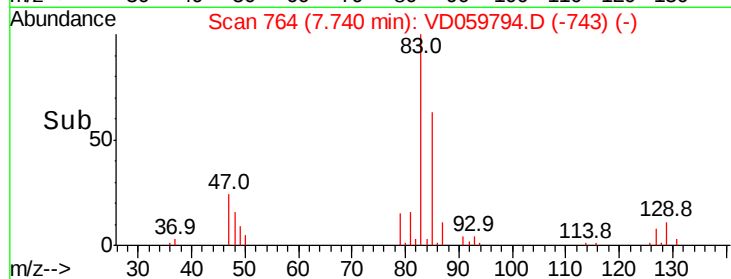
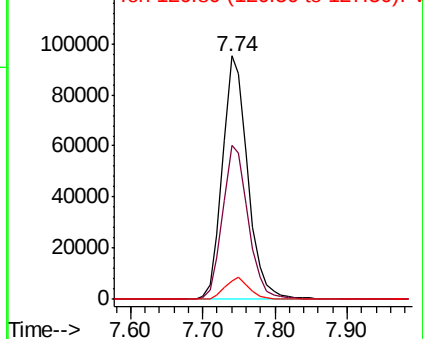
83 100

85 63.5 54.1 81.1

127 7.8 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: 59.185 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

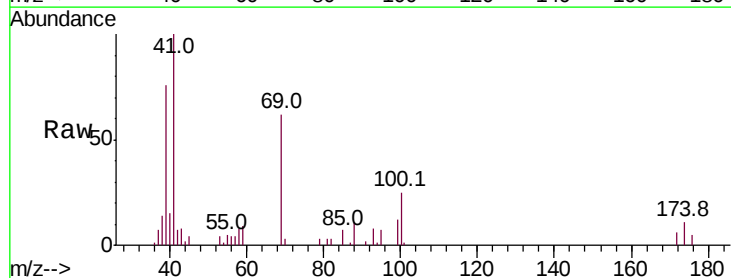
Tgt Ion: 41 Resp: 91955

Ion Ratio Lower Upper

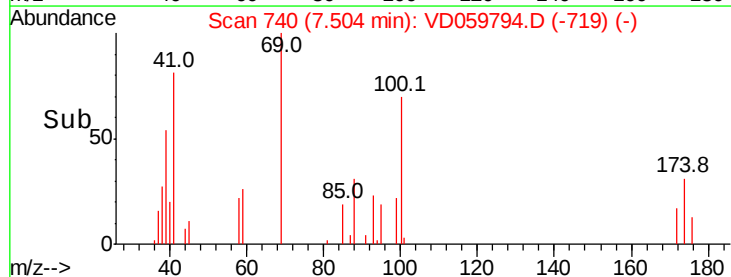
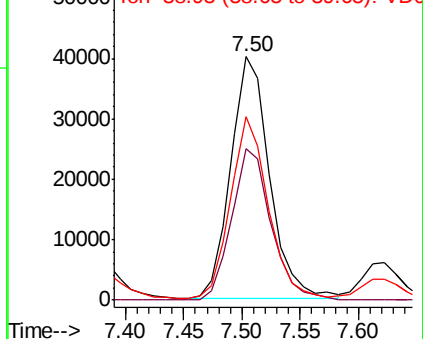
41 100

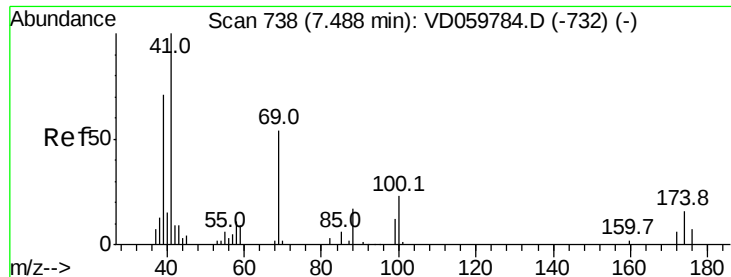
69 62.3 49.8 74.8

39 75.5 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: 1195.869 ug/l

RT: 7.48 min Scan# 738

Delta R.T. -0.00 min

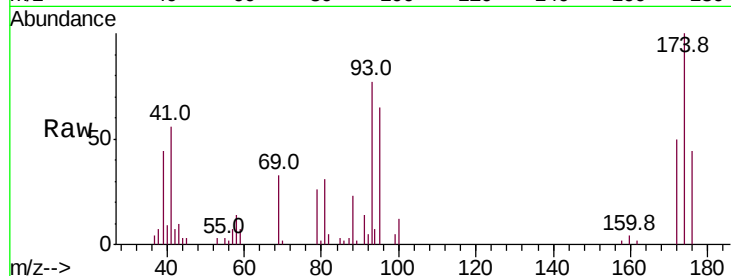
Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

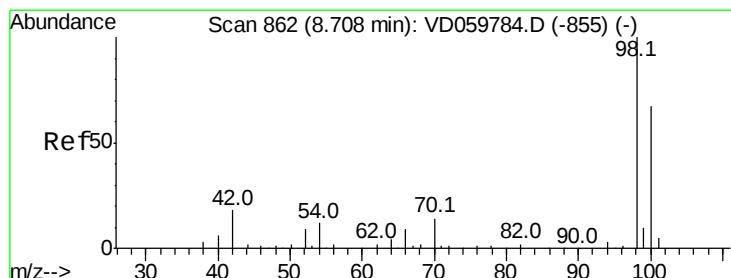
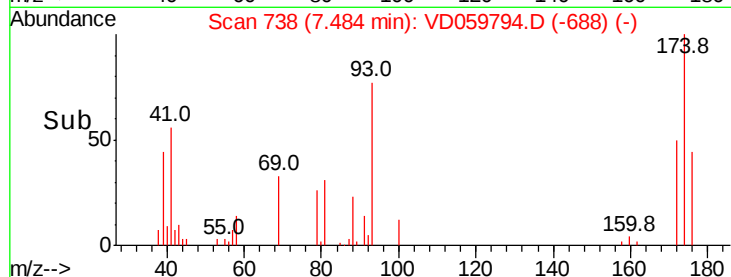
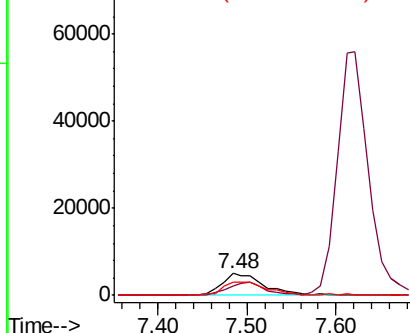
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 16363

Ion	Ratio	Lower	Upper
88	100		
43	42.0	42.0	63.0#
58	59.8	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: 1195.869 ug/l

RT: 8.71 min Scan# 863

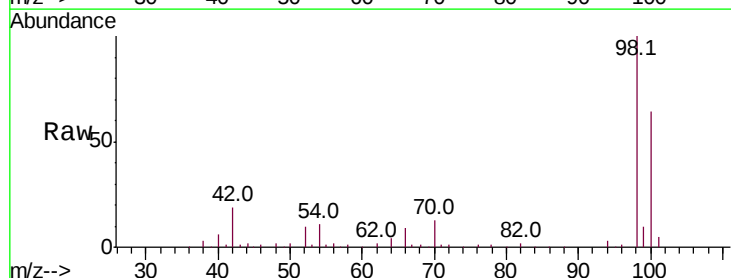
Delta R.T. 0.01 min

Lab File: VD059794.D

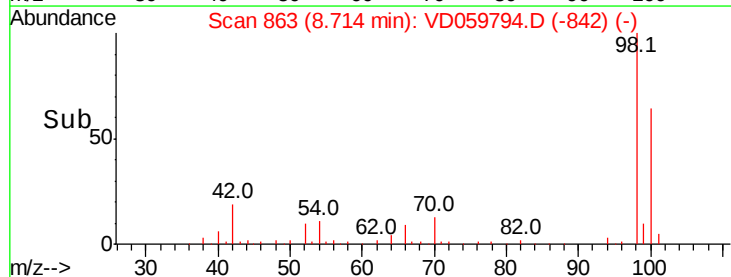
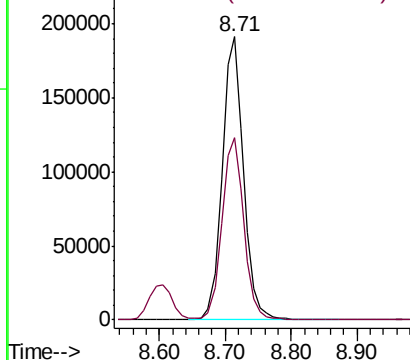
Acq: 15 Aug 2018 6:30

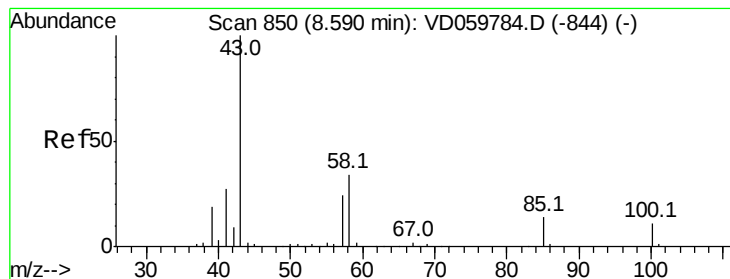
Tgt Ion: 98 Resp: 428788

Ion	Ratio	Lower	Upper
98	100		
100	64.4	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: 305.725 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

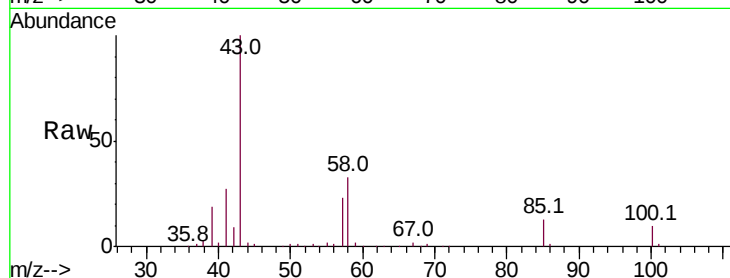
ClientSampleId :

Tot Ion: 43 Resp: 550255

Ion Ratio Lower Upper

43 100

58 33.4 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.60

250000

200000

150000

100000

50000

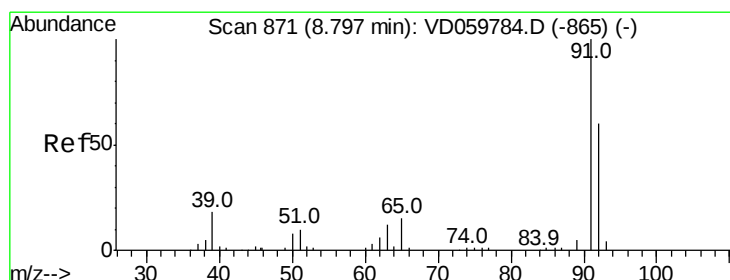
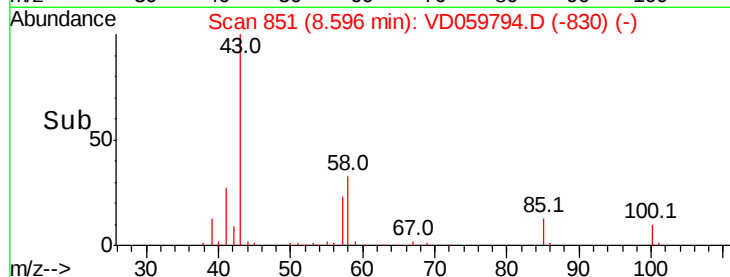
0

Time-->

8.50

8.60

8.70



#52

Toluene

Concen: 55.046 ug/l

RT: 8.80 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD059794.D

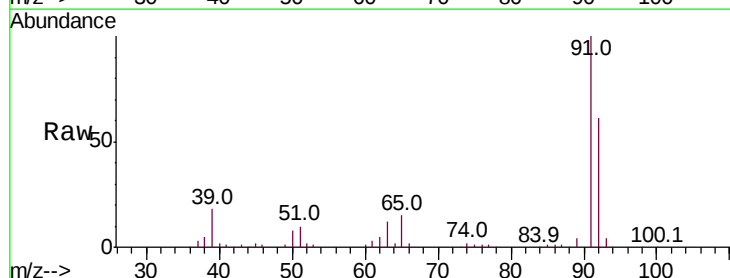
Acq: 15 Aug 2018 6:30

Tgt Ion: 92 Resp: 281985

Ion Ratio Lower Upper

92 100

91 164.9 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.80

200000

150000

100000

50000

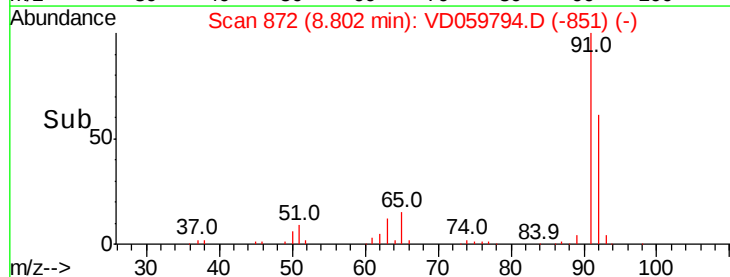
0

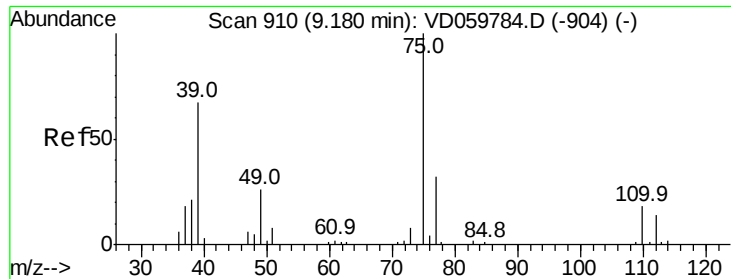
Time-->

8.70

8.80

8.90





#53

t-1,3-Dichloropropene

Concen: 57.075 ug/l

RT: 9.19 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

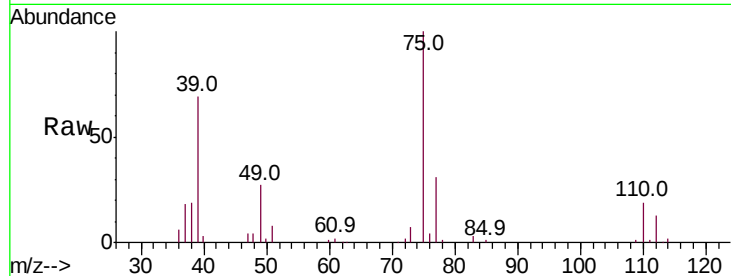
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 197099

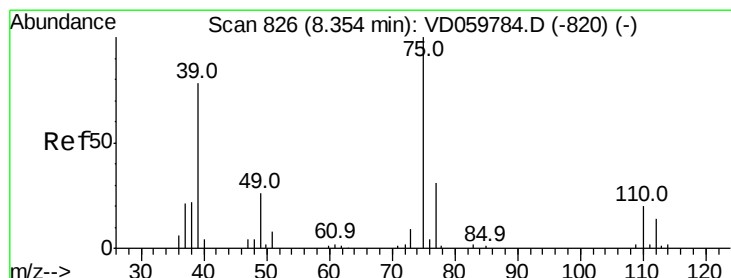
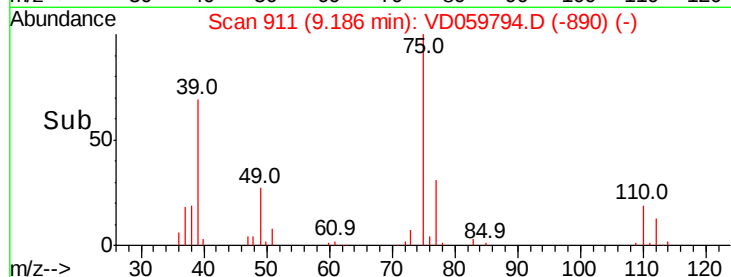
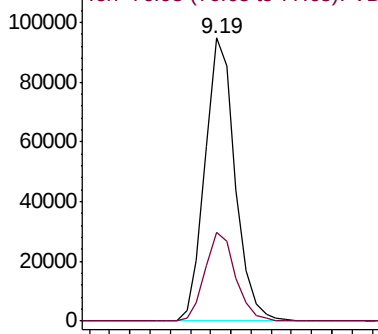
Ion Ratio Lower Upper

75 100

77 31.4 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: 56.303 ug/l

RT: 8.36 min Scan# 827

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

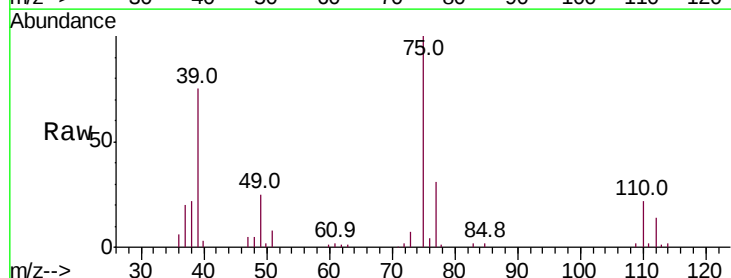
Tgt Ion: 75 Resp: 210127

Ion Ratio Lower Upper

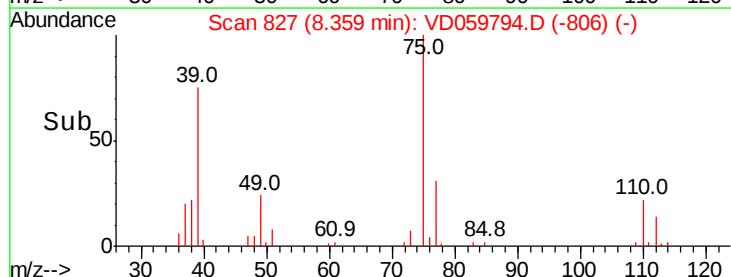
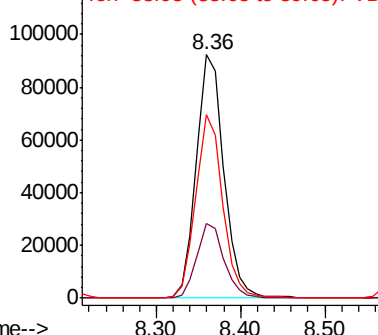
75 100

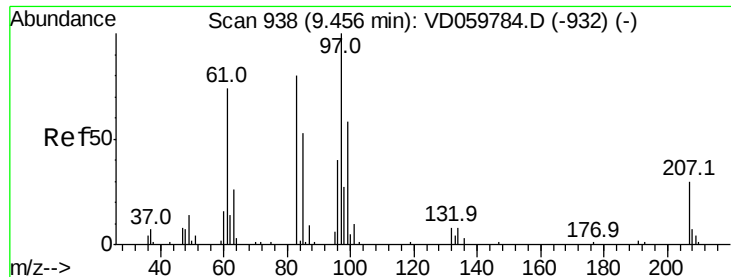
77 30.8 24.8 37.2

39 75.1 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: 52.232 ug/l

RT: 9.45 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 98783

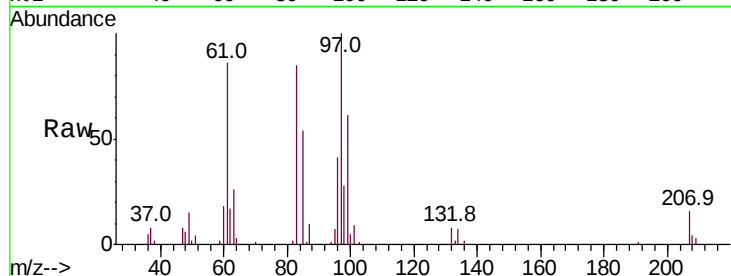
Ion Ratio Lower Upper

97 100

83 84.8 63.8 95.8

85 54.3 42.5 63.7

99 60.8 46.2 69.4

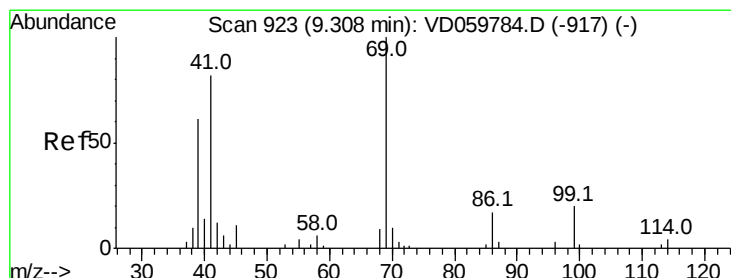
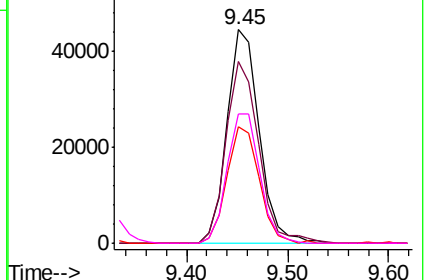
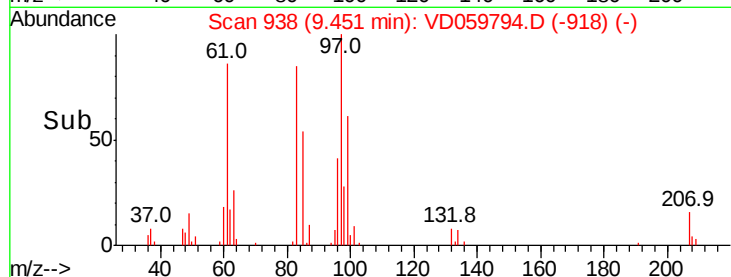


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 56.676 ug/l

RT: 9.31 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

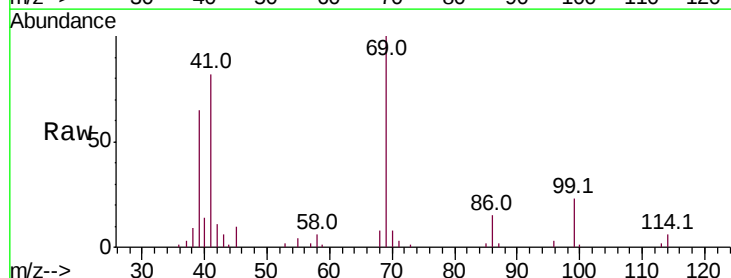
Tgt Ion: 69 Resp: 116078

Ion Ratio Lower Upper

69 100

41 82.1 65.8 98.8

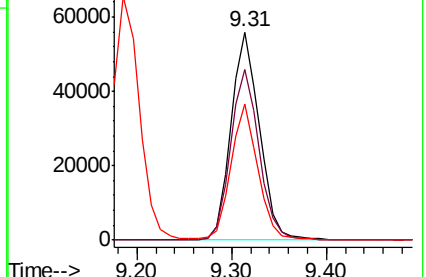
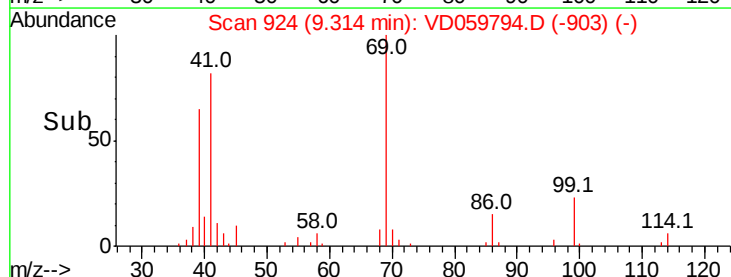
39 65.5 49.7 74.5

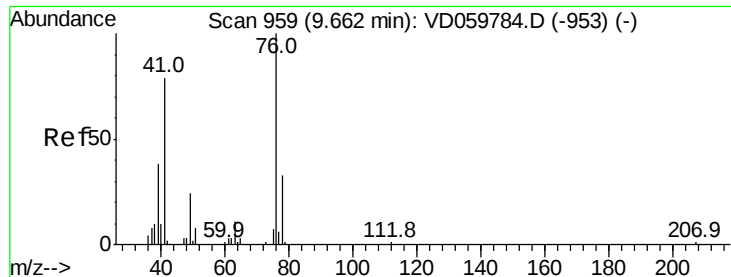


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 54.437 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

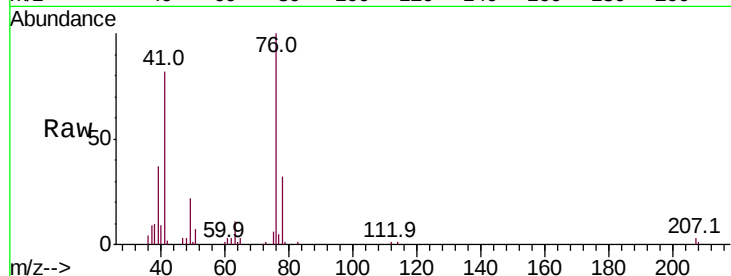
ClientSampleId :

Tot Ion: 76 Resp: 161276

Ion Ratio Lower Upper

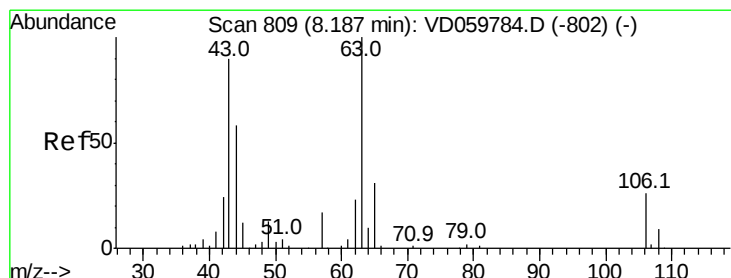
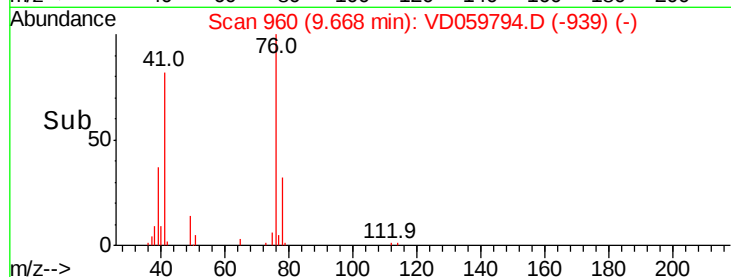
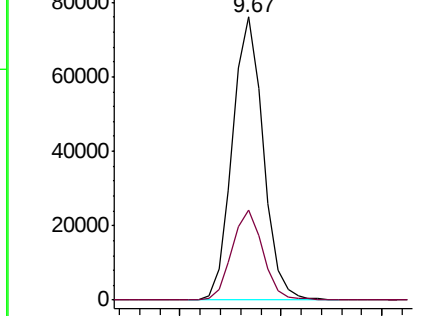
76 100

78 32.1 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 258.784 ug/l

RT: 8.19 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD059794.D

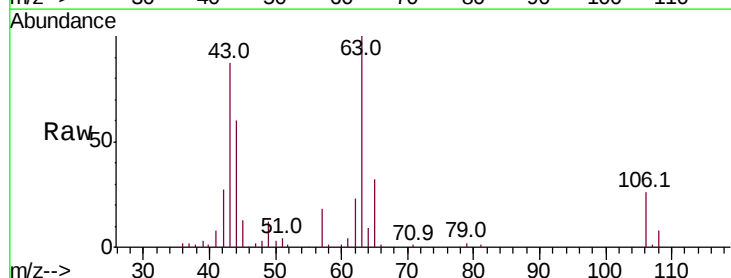
Acq: 15 Aug 2018 6:30

Tgt Ion: 63 Resp: 261961

Ion Ratio Lower Upper

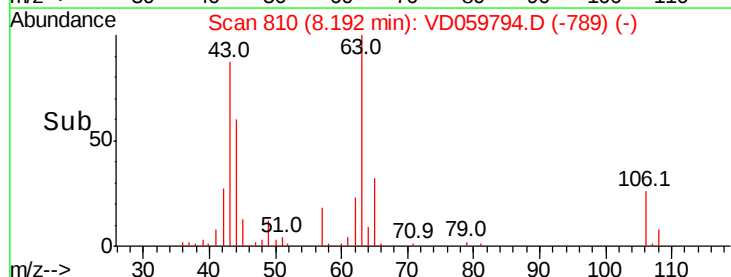
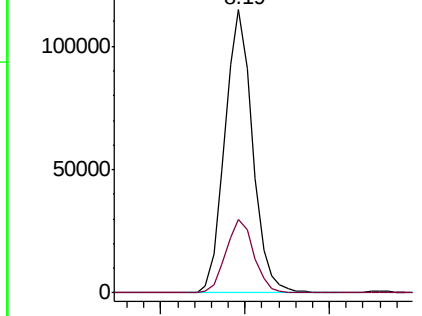
63 100

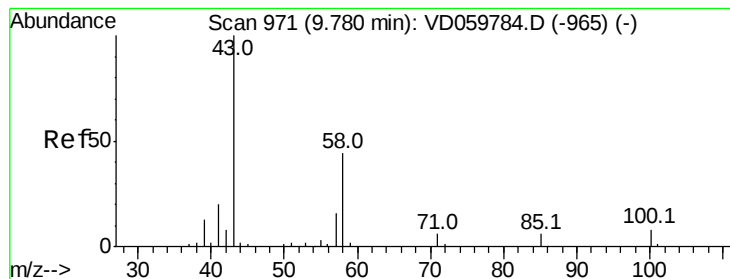
106 26.0 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 309.522 ug/l

RT: 9.79 min Scan# 972

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

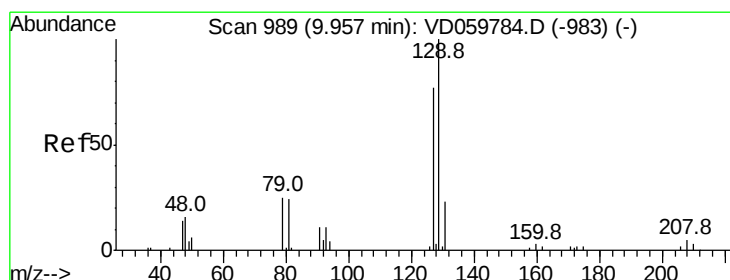
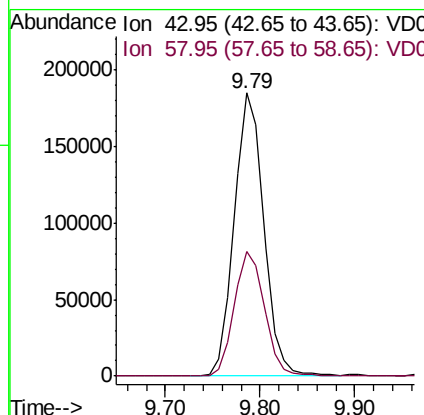
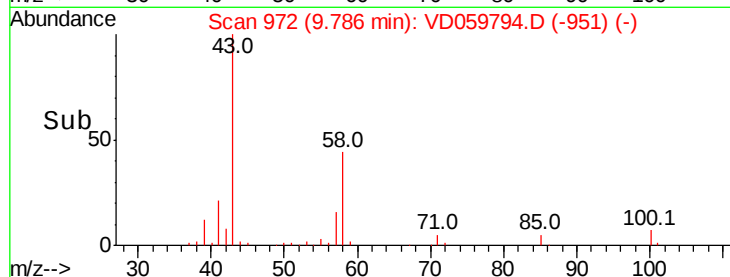
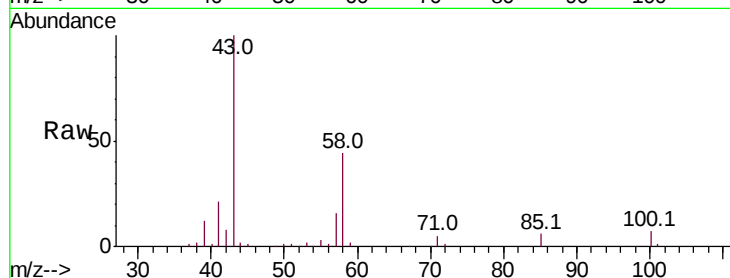
ClientSampled :

Tot Ion: 43 Resp: 399469

Ion Ratio Lower Upper

43 100

58 44.2 22.3 66.8



#60

Dibromochloromethane

Concen: 56.022 ug/l

RT: 9.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD059794.D

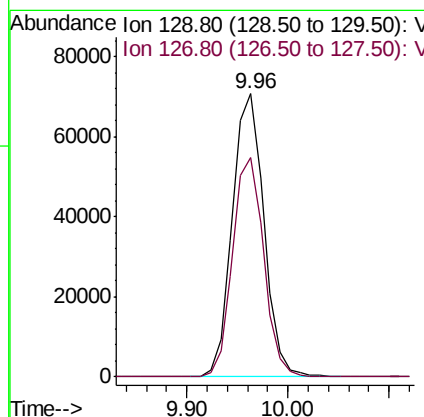
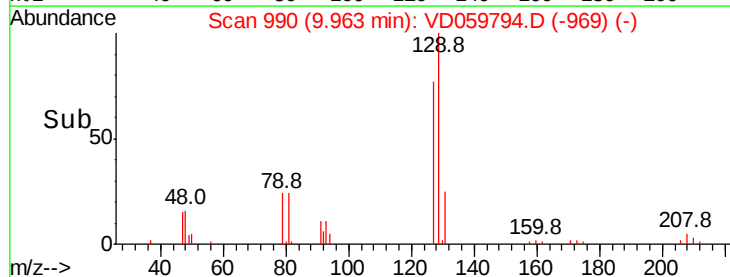
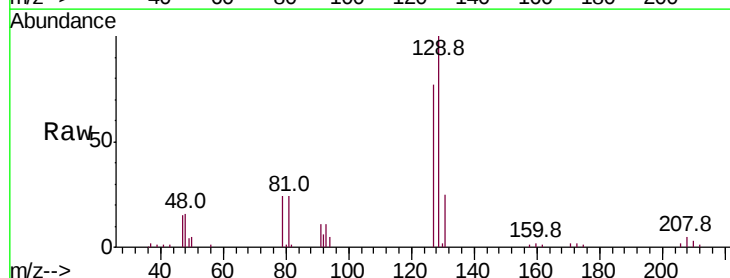
Acq: 15 Aug 2018 6:30

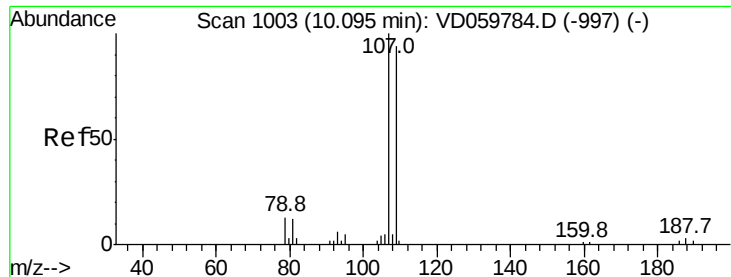
Tgt Ion: 129 Resp: 153829

Ion Ratio Lower Upper

129 100

127 77.5 38.4 115.1

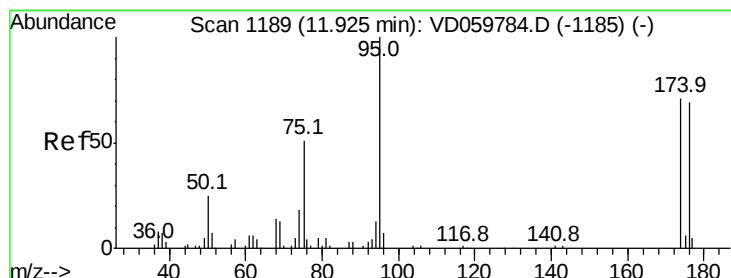
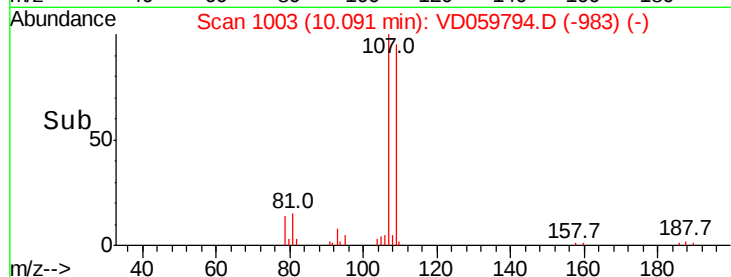
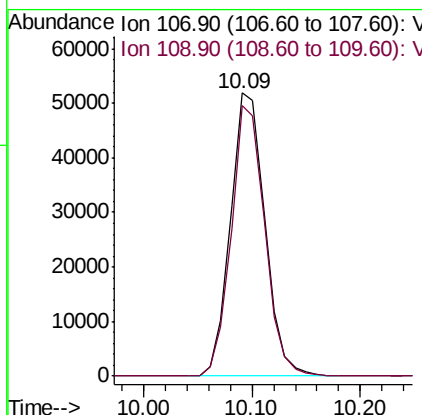
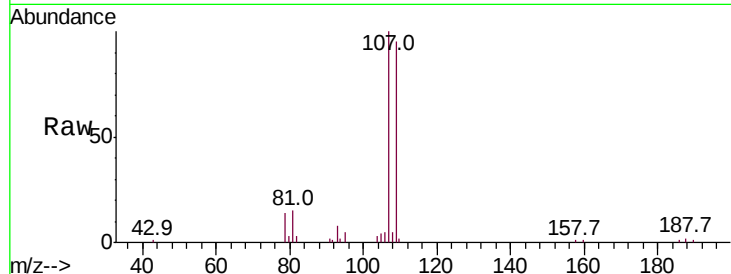




#61
 1,2-Dibromoethane
 Concen: 54.758 ug/l
 RT: 10.09 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

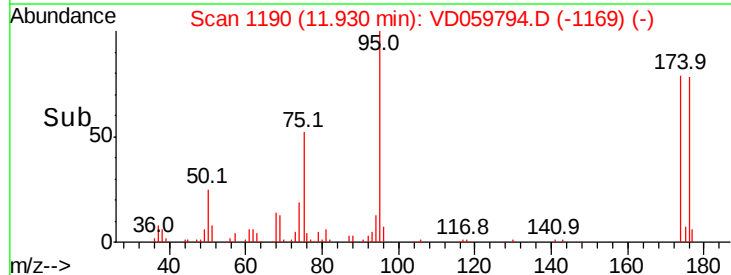
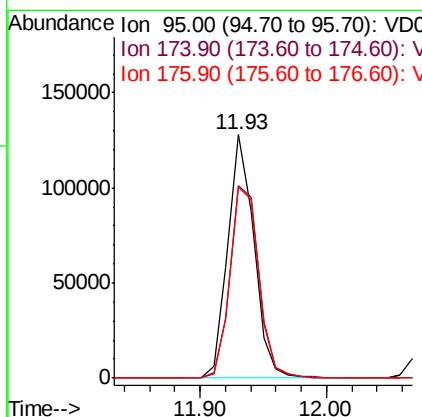
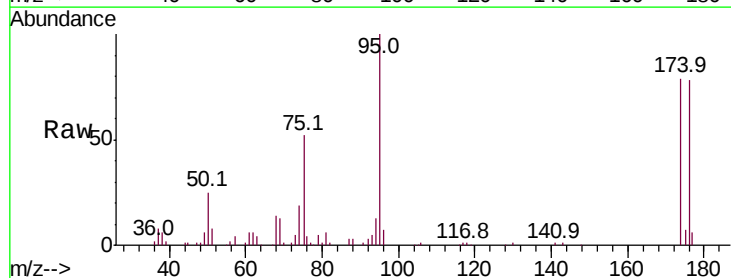
Instrument :
 MSVOA_D
 ClientSampleId :

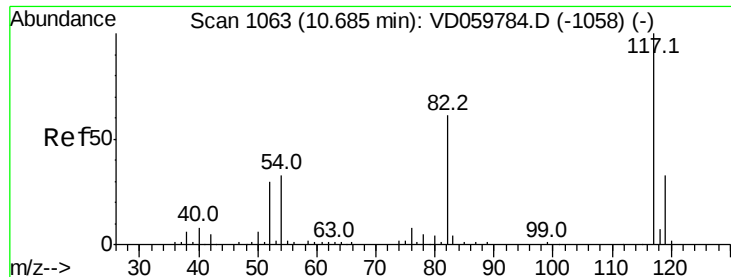
Tot Ion:107 Resp: 114712
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 54.758 ug/l
 RT: 11.93 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion: 95 Resp: 182360
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 142.2
 176 78.4 0.0 137.4

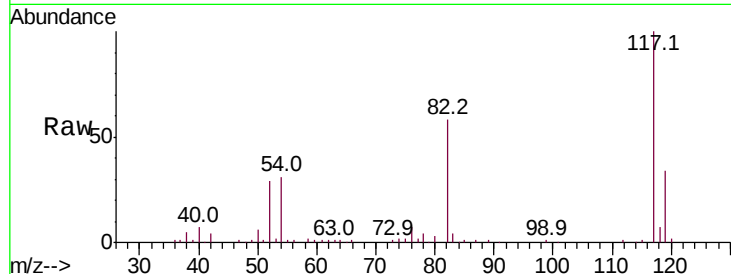




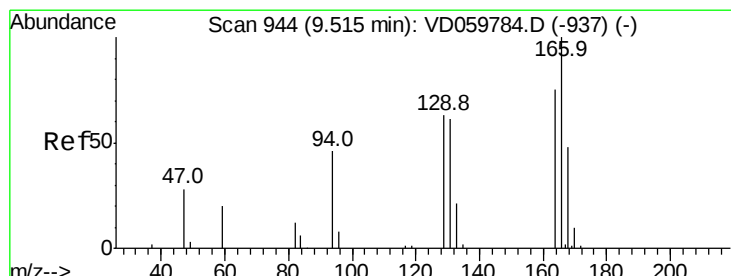
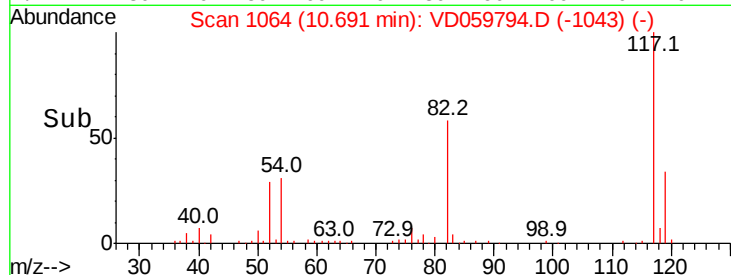
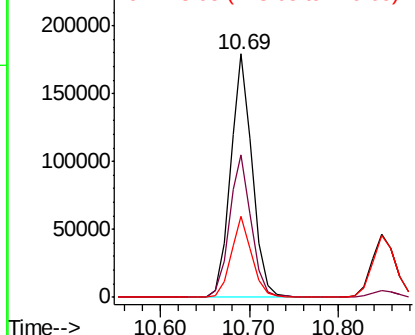
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 305897
Ion Ratio Lower Upper
117 100
82 58.3 49.0 73.6
119 33.5 26.2 39.2



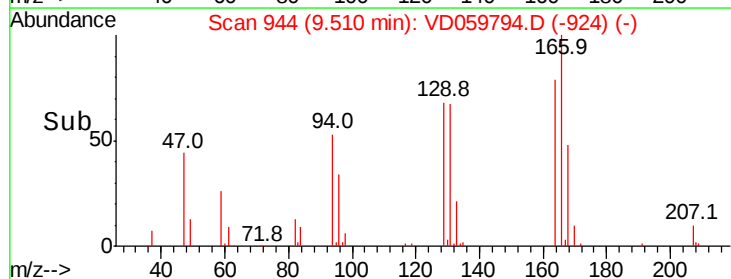
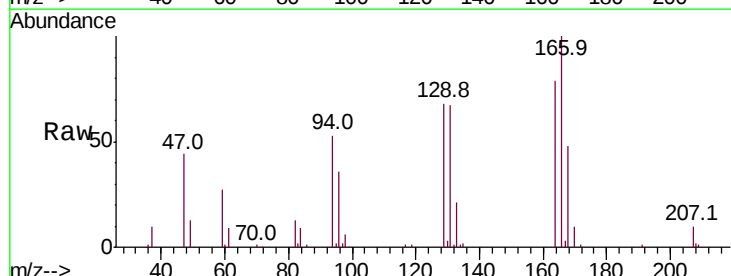
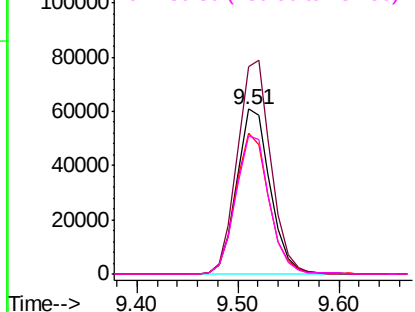
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

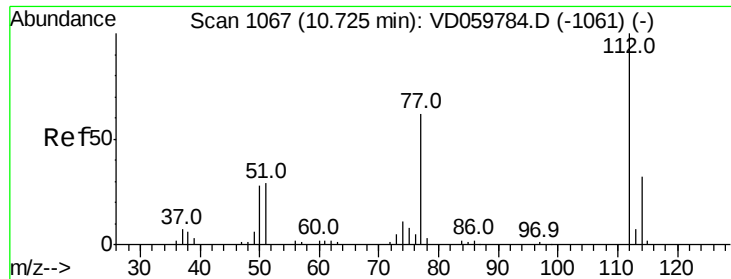


#64
Tetrachloroethene
Concen: 53.247 ug/l
RT: 9.51 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion:164 Resp: 140284
Ion Ratio Lower Upper
164 100
166 126.1 106.8 160.2
129 85.5 67.2 100.8
131 84.2 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

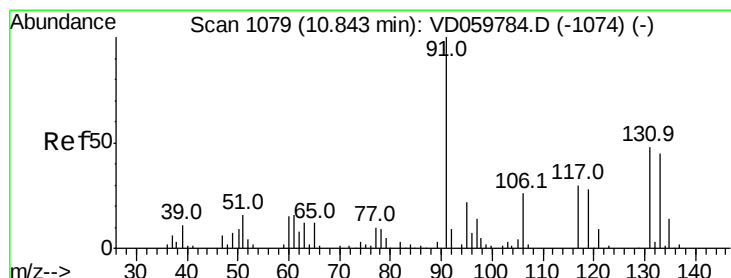
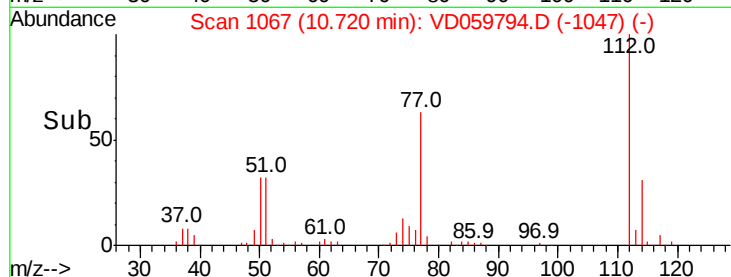
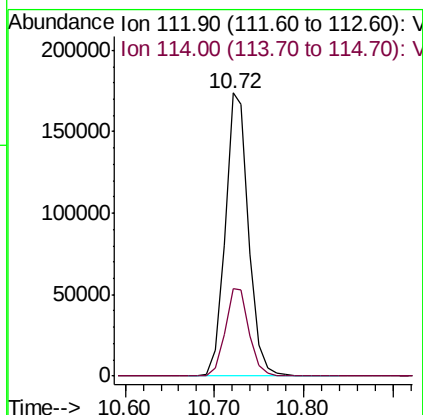
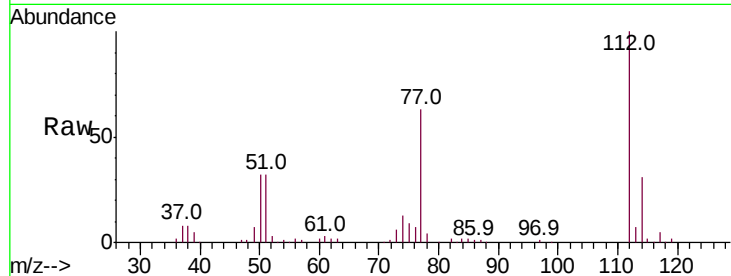




#65
Chlorobenzene
Concen: 51.629 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

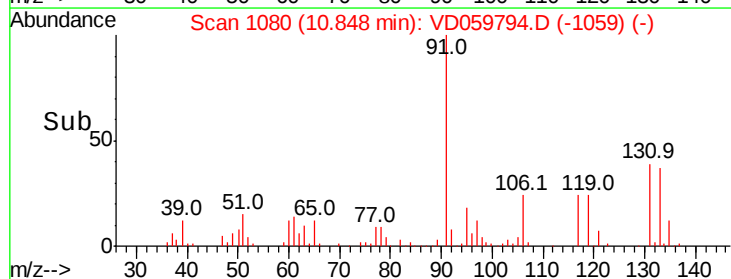
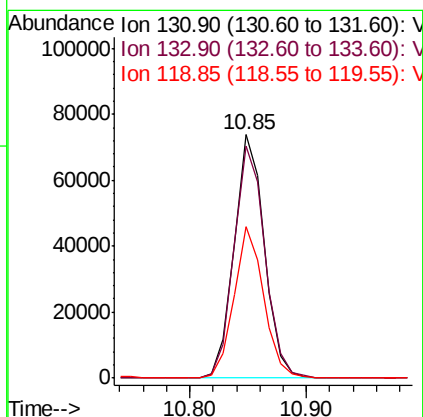
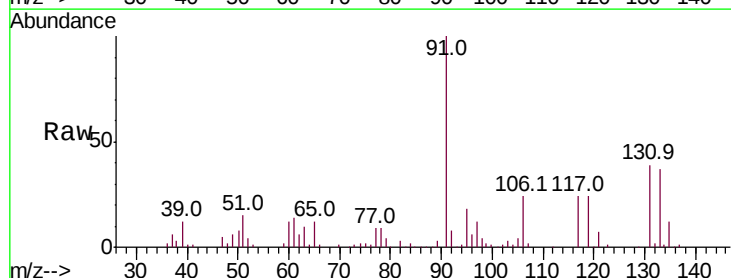
Instrument :
MSVOA_D
ClientSampleId :

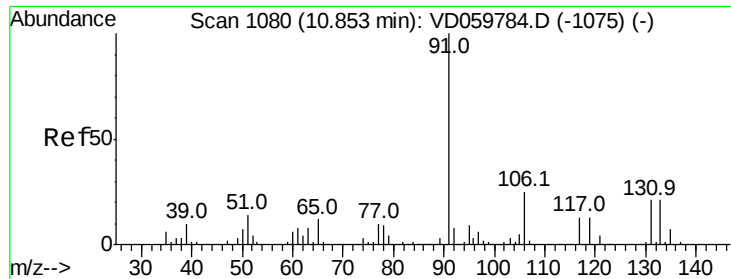
Tot Ion:112 Resp: 319838
Ion Ratio Lower Upper
112 100
114 30.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.993 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion:131 Resp: 132318
Ion Ratio Lower Upper
131 100
133 95.3 47.0 141.0
119 62.2 29.0 87.1

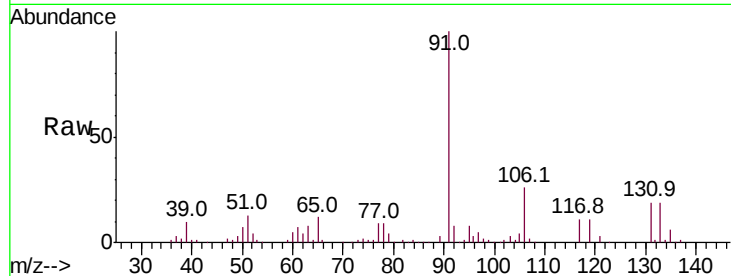




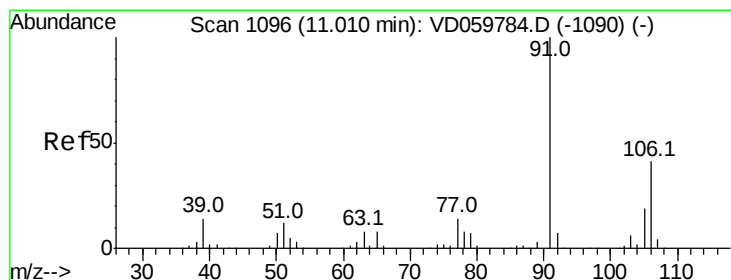
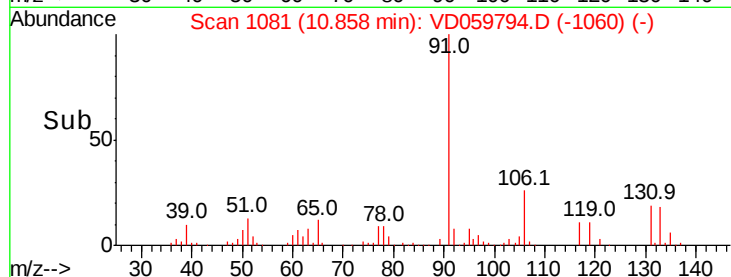
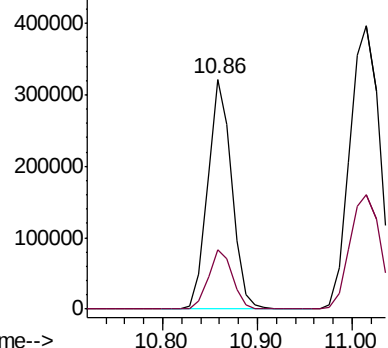
#67
Ethyl Benzene
Concen: 52.614 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 561192
Ion Ratio Lower Upper
91 100
106 26.1 20.1 30.1

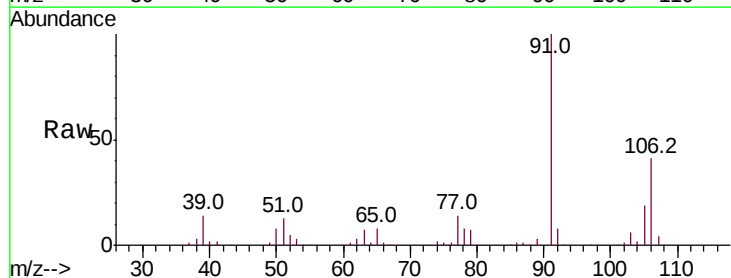


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

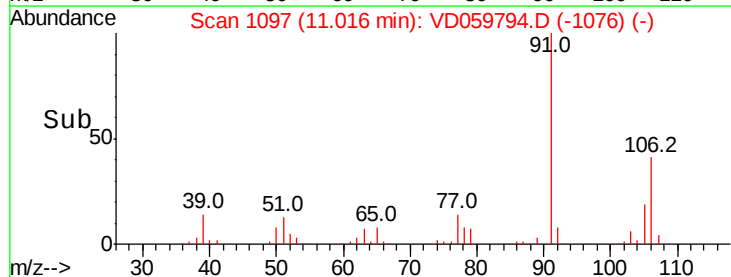
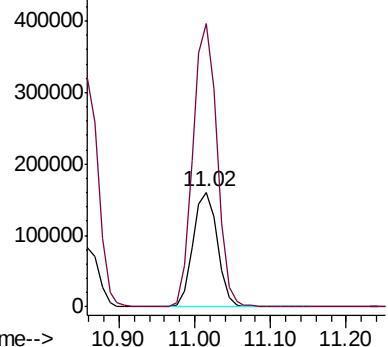


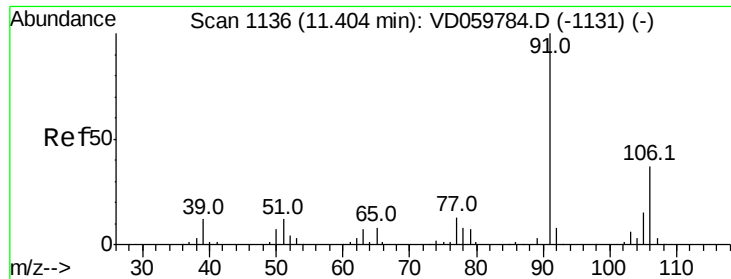
#68
m/p-Xylenes
Concen: 99.735 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion: 106 Resp: 360558
Ion Ratio Lower Upper
106 100
91 246.5 197.4 296.0



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

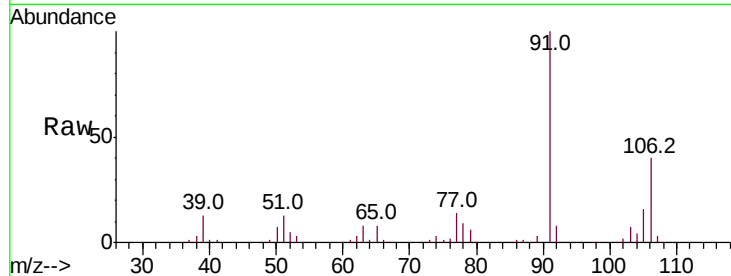




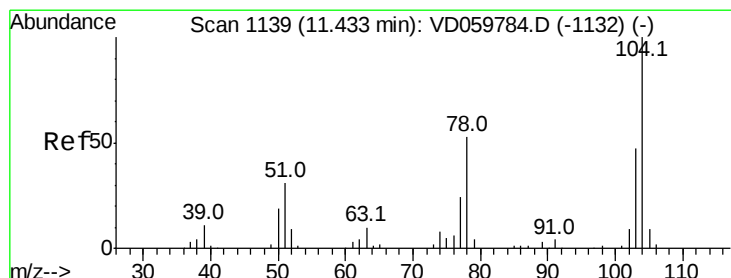
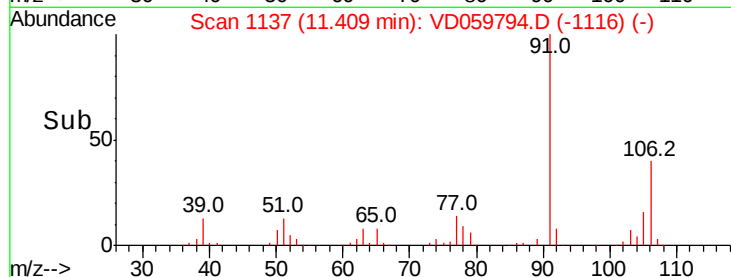
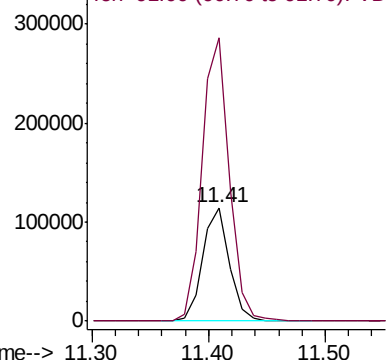
#69
o-Xylene
Concen: 52.190 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:106 Resp: 181102
Ion Ratio Lower Upper
106 100
91 249.5 133.7 401.1

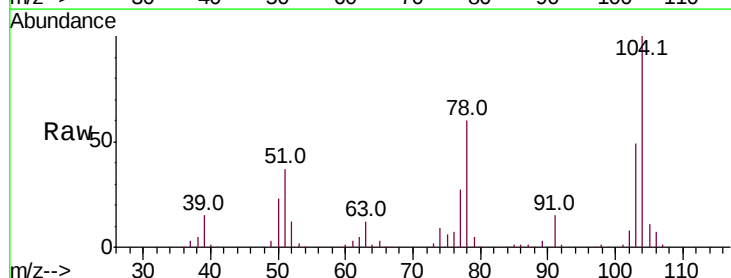


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

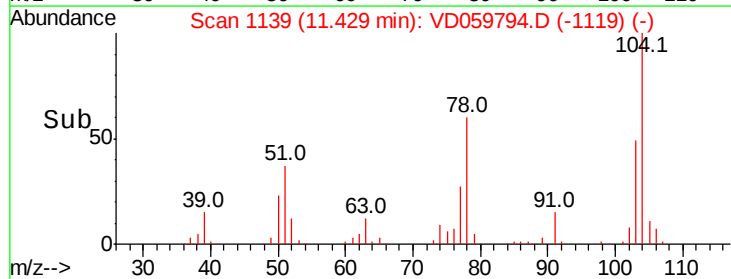
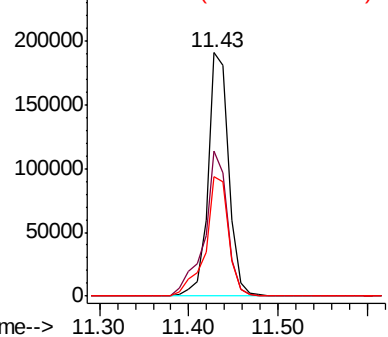


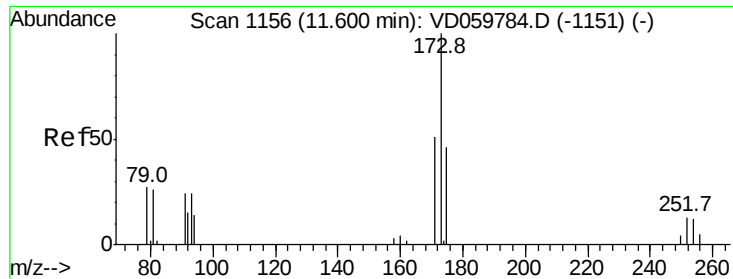
#70
Styrene
Concen: 50.478 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion:104 Resp: 310651
Ion Ratio Lower Upper
104 100
78 59.6 42.6 64.0
103 49.1 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: 58.225 ug/l

RT: 11.61 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

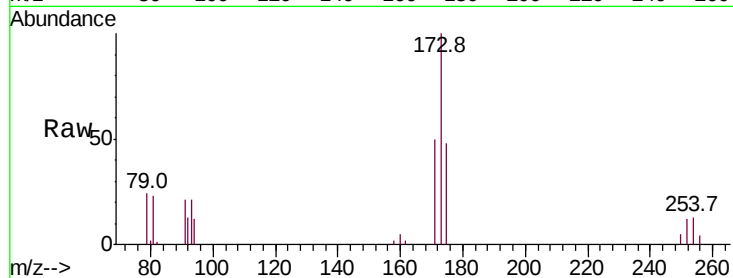
Tot Ion:173 Resp: 105679

Ion Ratio Lower Upper

173 100

175 48.3 23.1 69.2

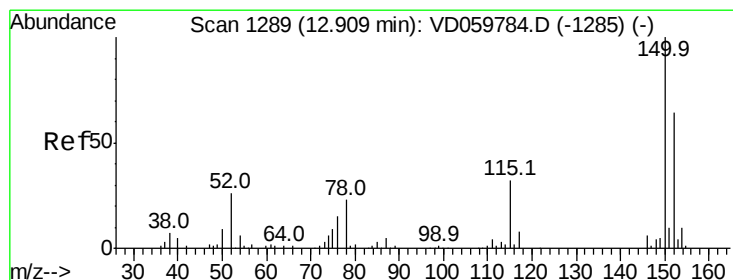
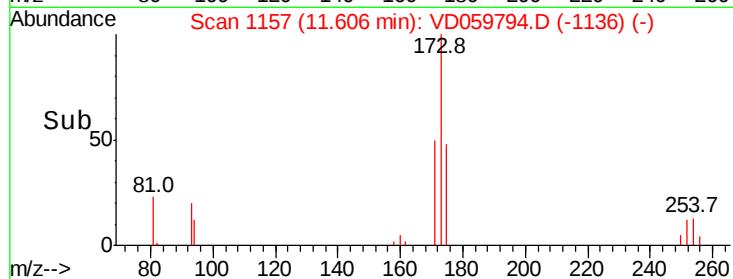
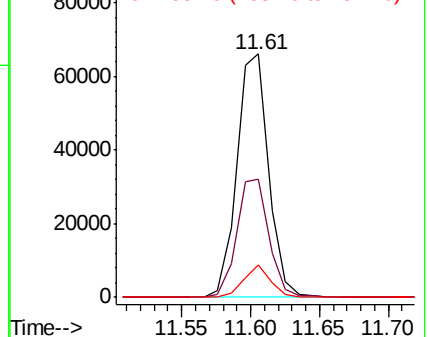
254 13.1 9.7 14.5



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: VD059794.D

Acq: 15 Aug 2018 6:30

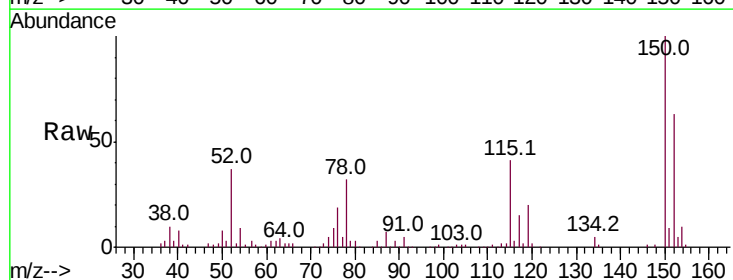
Tgt Ion:152 Resp: 161586

Ion Ratio Lower Upper

152 100

115 65.4 27.2 81.5

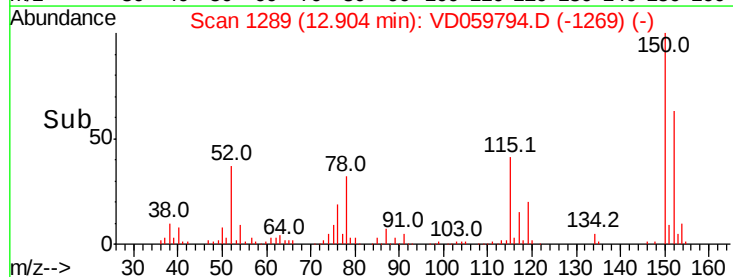
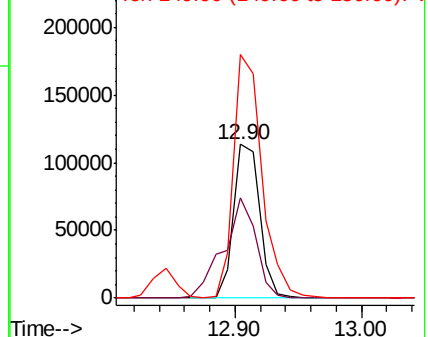
150 158.2 0.0 312.4

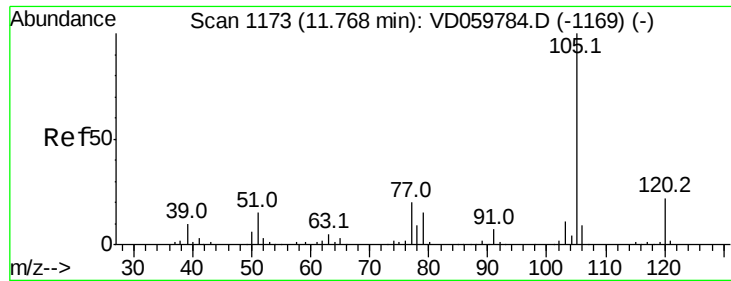


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.953 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

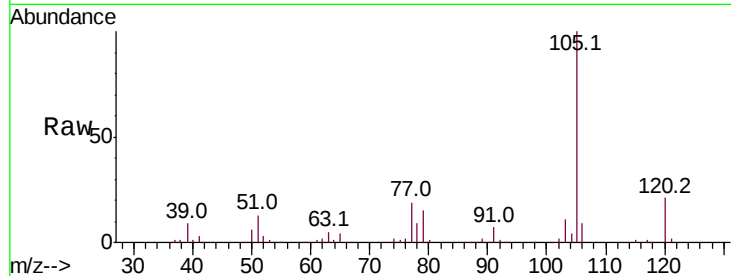
ClientSampled :

Tot Ion:105 Resp: 552018

Ion Ratio Lower Upper

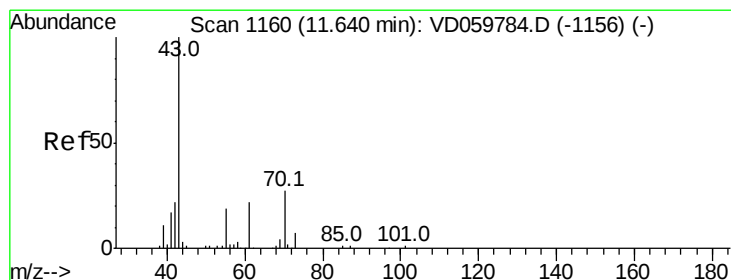
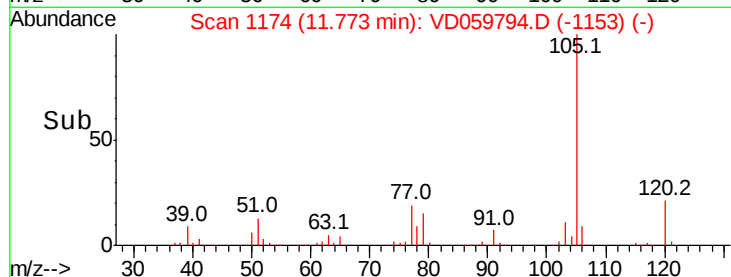
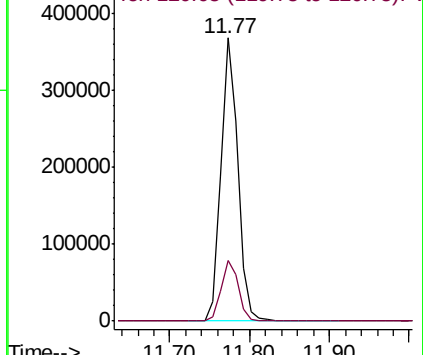
105 100

120 21.4 10.9 32.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 57.011 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Tgt Ion: 43 Resp: 178848

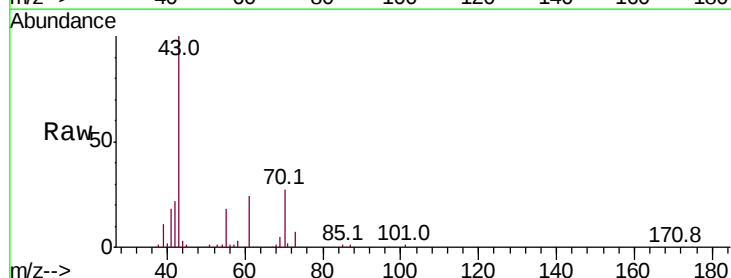
Ion Ratio Lower Upper

43 100

70 26.8 21.8 32.6

55 18.3 15.1 22.7

61 23.8 18.0 27.0

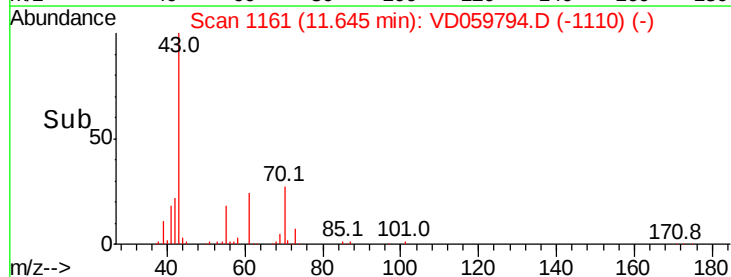
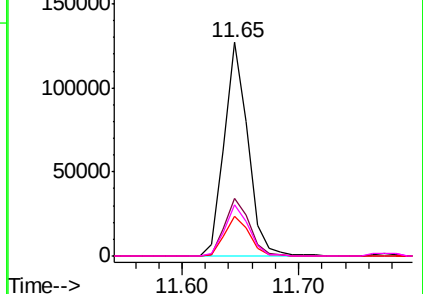


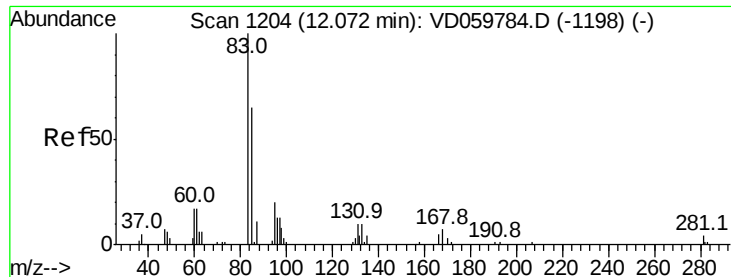
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.916 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampled :

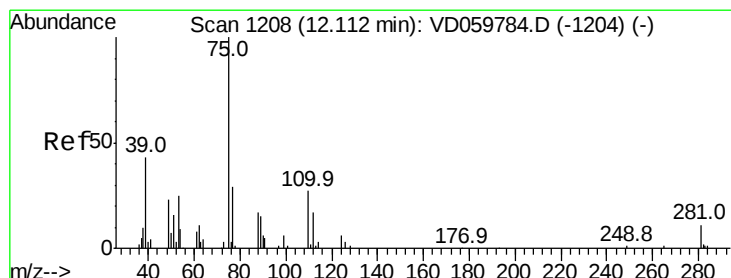
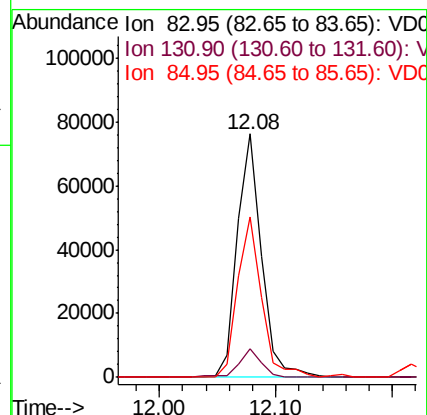
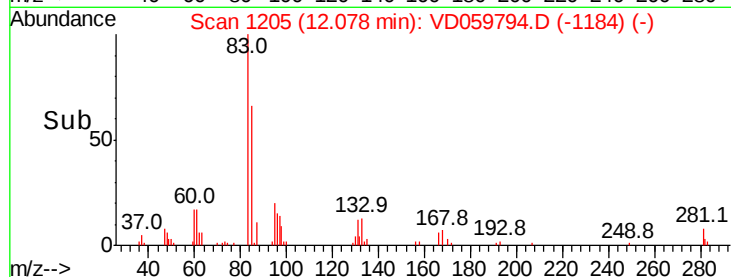
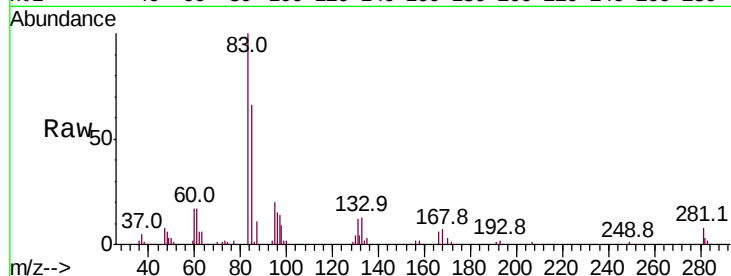
Tot Ion: 83 Resp: 109945

Ion Ratio Lower Upper

83 100

131 11.6 5.0 15.0

85 66.0 32.8 98.3



#76

1,2,3-Trichloropropane

Concen: 53.838 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VD059794.D

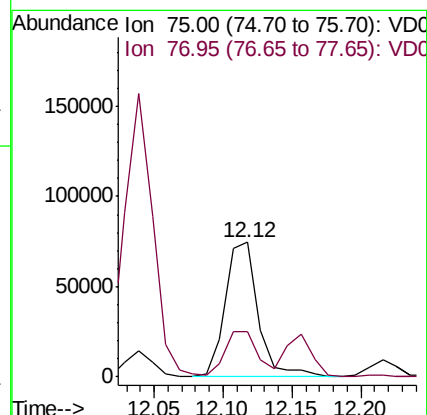
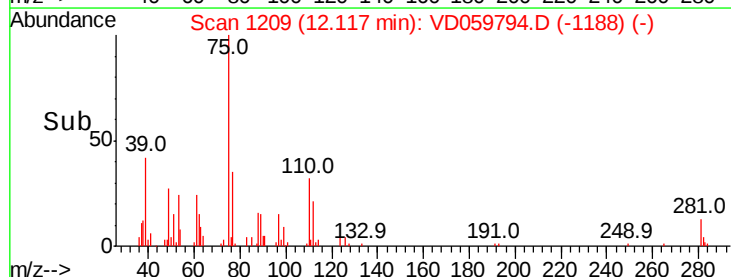
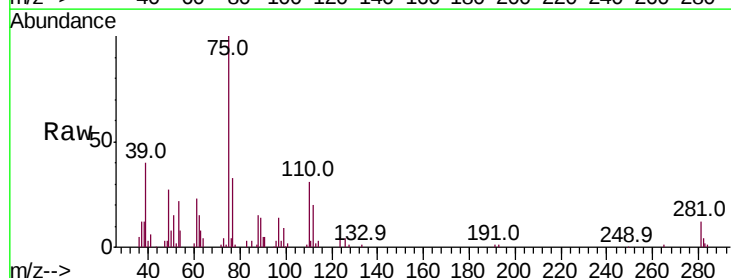
Acq: 15 Aug 2018 6:30

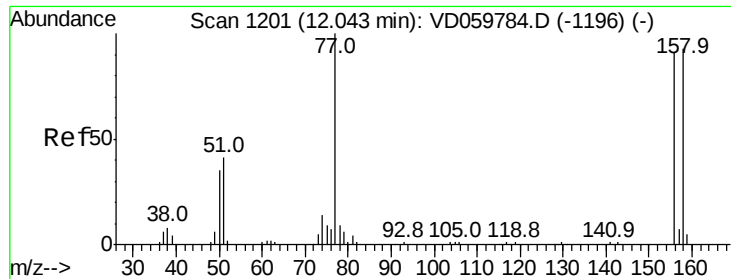
Tgt Ion: 75 Resp: 123428

Ion Ratio Lower Upper

75 100

77 33.3 16.2 48.6





#77

Bromobenzene

Concen: 54.538 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

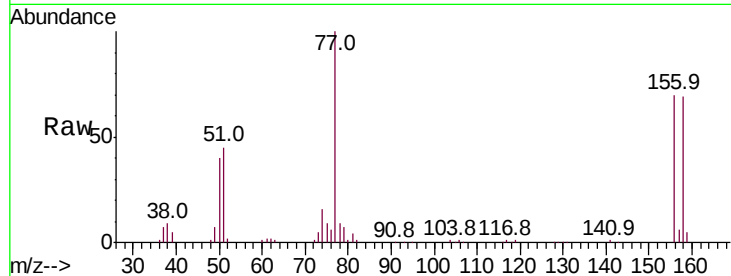
Tot Ion:156 Resp: 159454

Ion Ratio Lower Upper

156 100

77 142.2 54.9 164.8

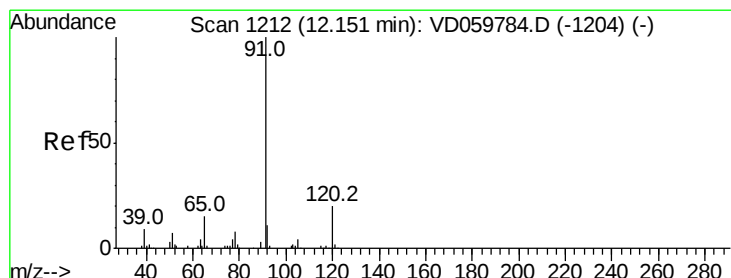
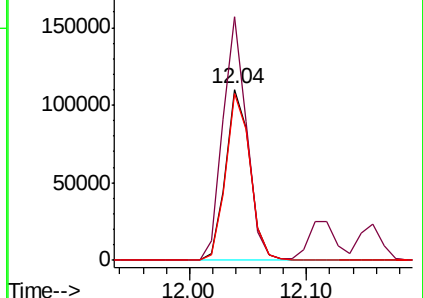
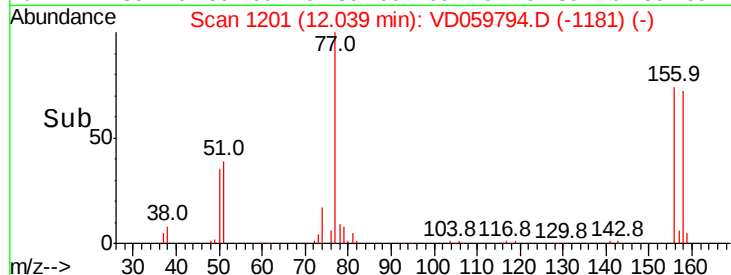
158 97.7 51.2 153.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 54.279 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD059794.D

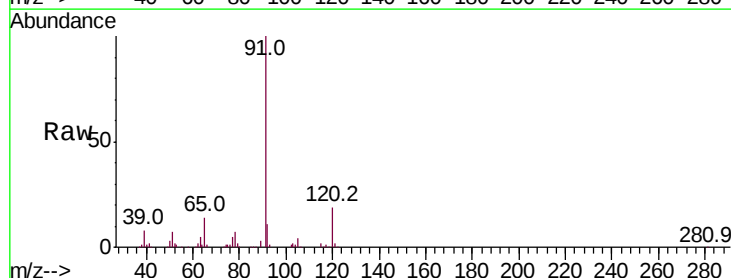
Acq: 15 Aug 2018 6:30

Tgt Ion: 91 Resp: 692733

Ion Ratio Lower Upper

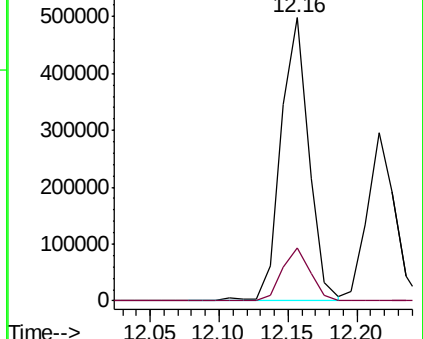
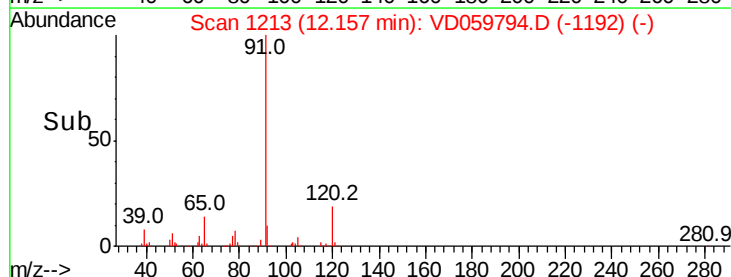
91 100

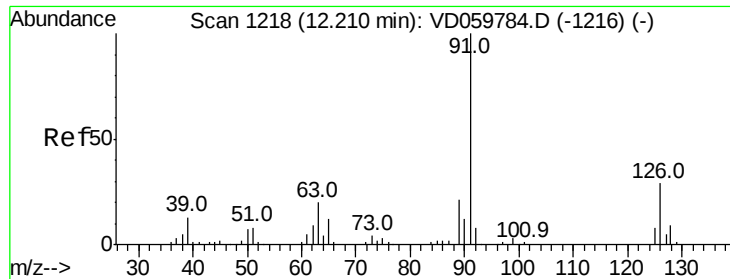
120 18.7 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

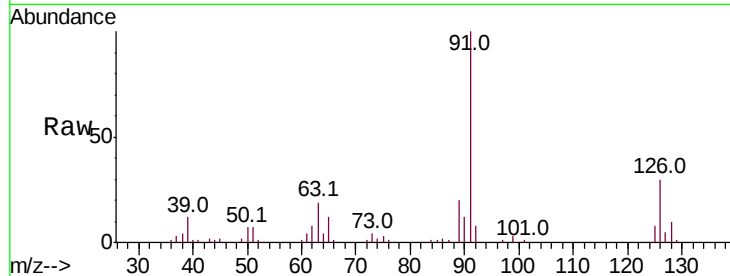




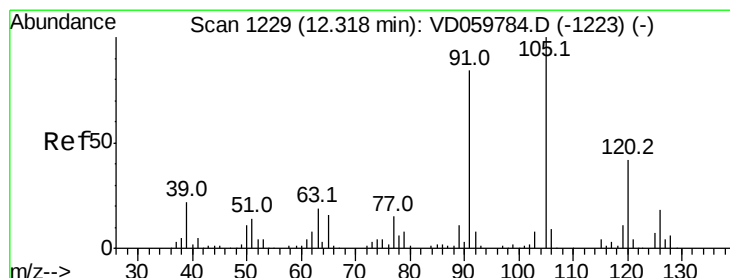
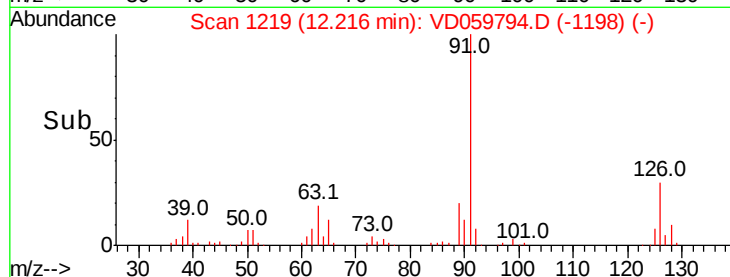
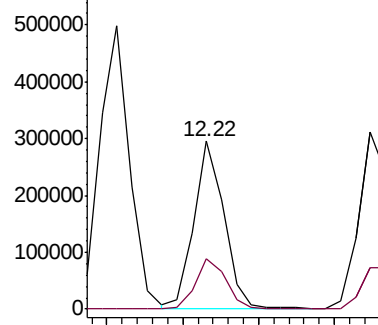
#79
 2-Chlorotoluene
 Concen: 52.711 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 405679
 Ion Ratio Lower Upper
 91 100
 126 29.8 14.0 41.9

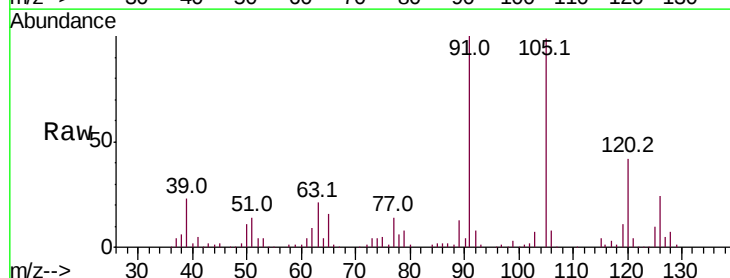


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

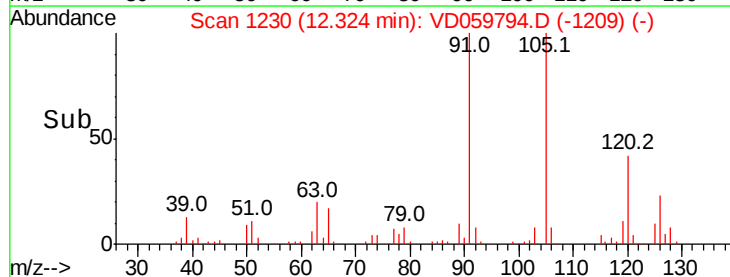
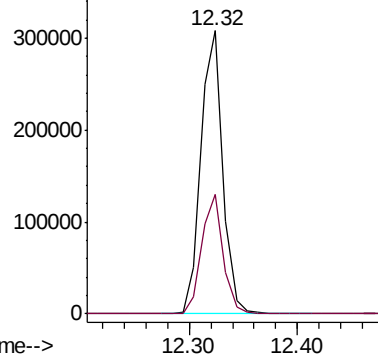


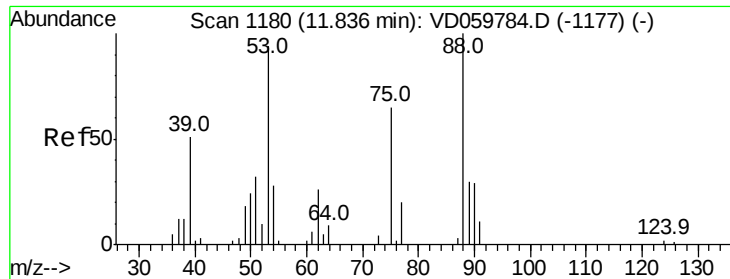
#80
 1,3,5-Trimethylbenzene
 Concen: 52.896 ug/l
 RT: 12.32 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion:105 Resp: 433344
 Ion Ratio Lower Upper
 105 100
 120 42.4 20.8 62.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 59.881 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

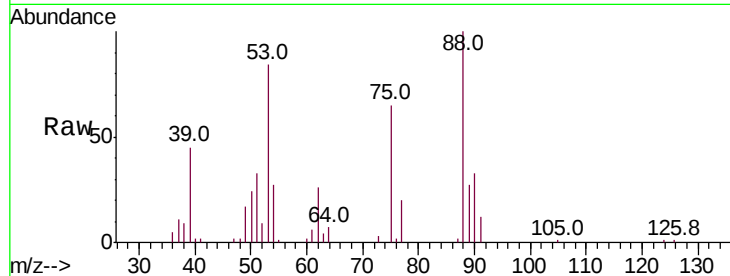
Tot Ion: 75 Resp: 32119

Ion Ratio Lower Upper

75 100

53 129.0 116.2 174.2

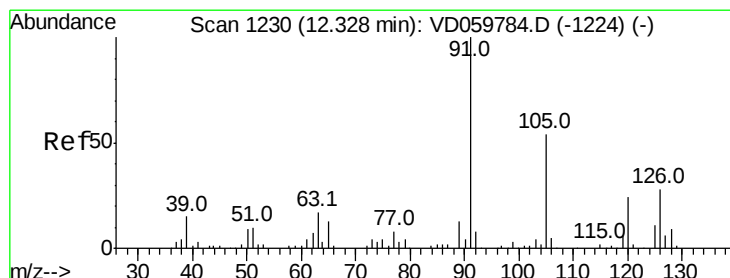
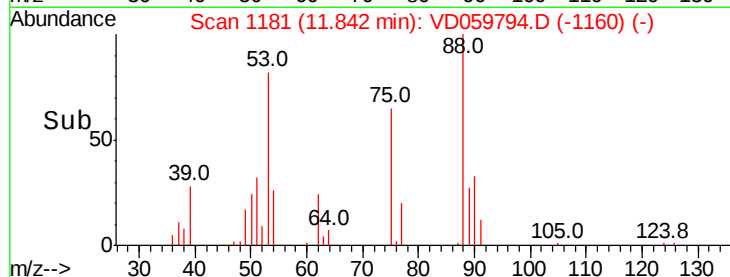
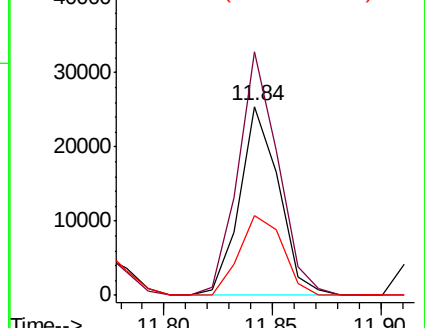
89 42.1 37.0 55.6



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: 51.028 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD059794.D

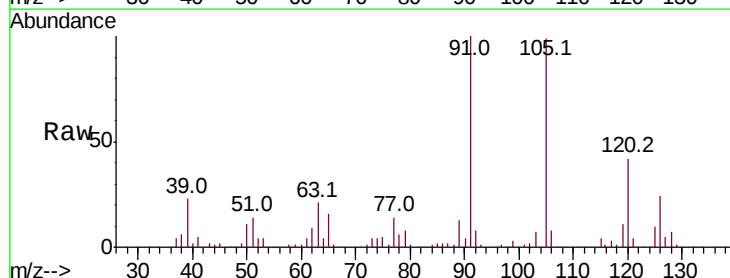
Acq: 15 Aug 2018 6:30

Tgt Ion: 91 Resp: 445758

Ion Ratio Lower Upper

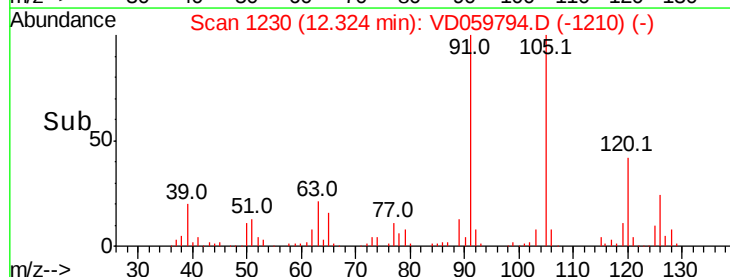
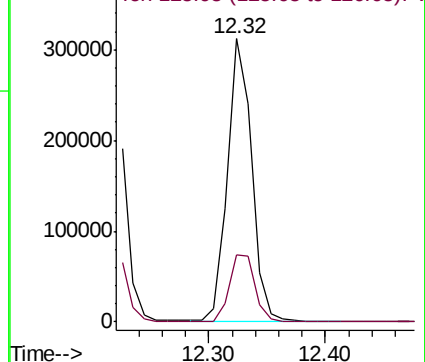
91 100

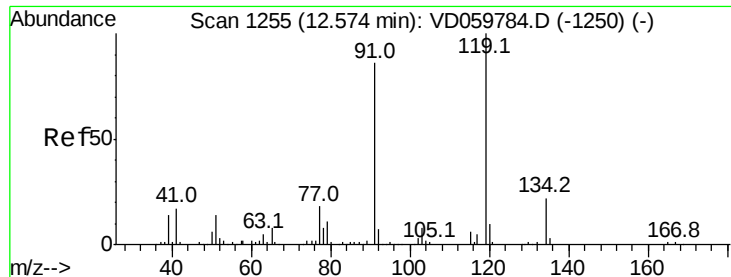
126 23.6 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

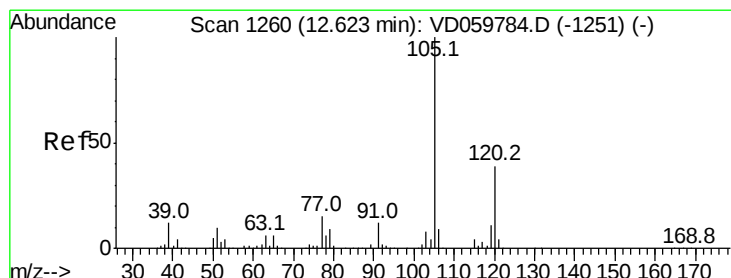
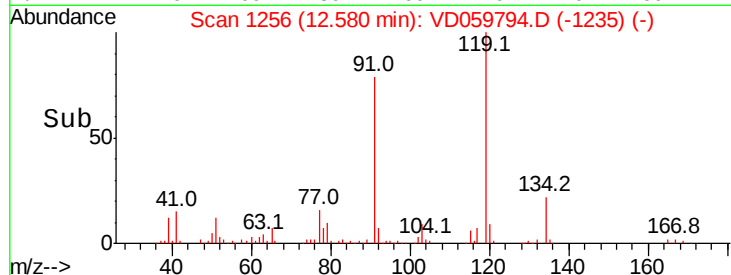
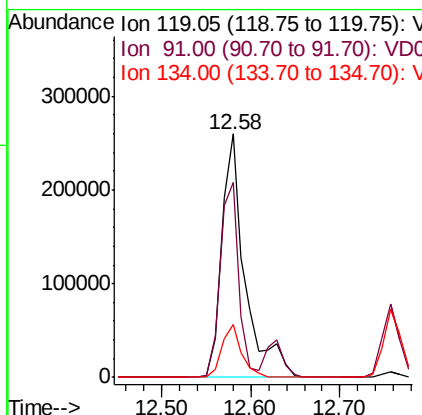
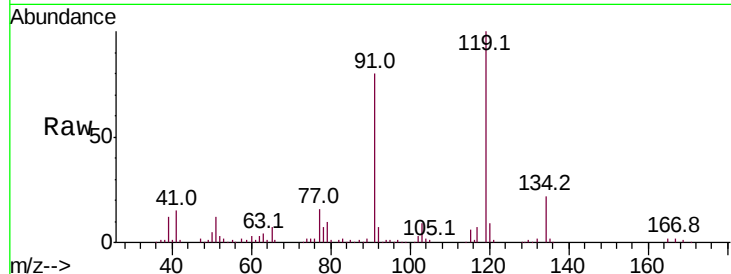




#83
 tert-Butylbenzene
 Concen: 52.394 ug/l
 RT: 12.58 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

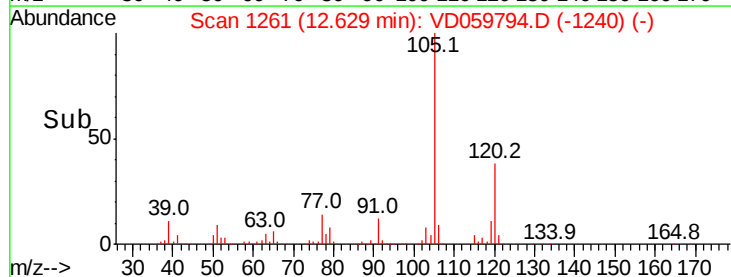
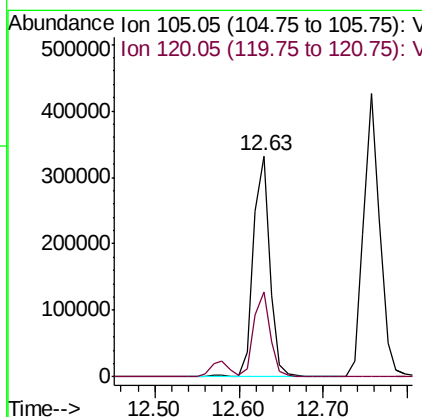
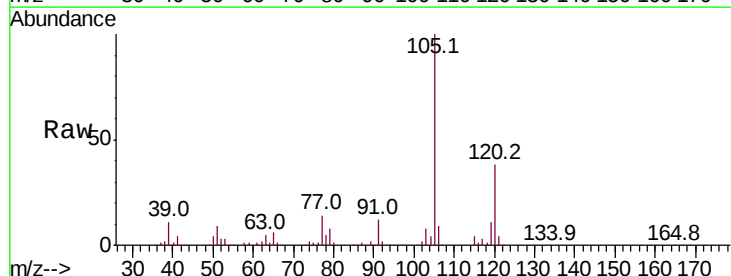
Instrument :
 MSVOA_D
 ClientSampleId :

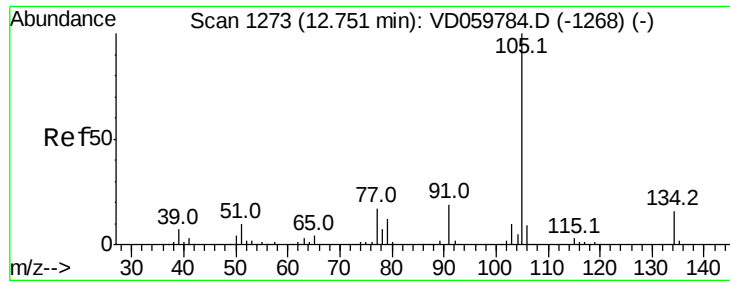
Tot Ion:119 Resp: 474275
 Ion Ratio Lower Upper
 119 100
 91 80.0 43.1 129.3
 134 21.9 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 51.932 ug/l
 RT: 12.63 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion:105 Resp: 458472
 Ion Ratio Lower Upper
 105 100
 120 38.3 19.6 58.8

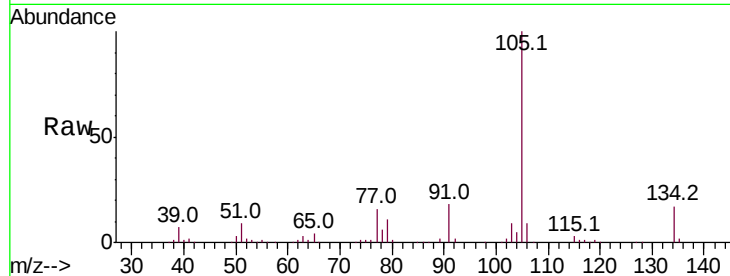




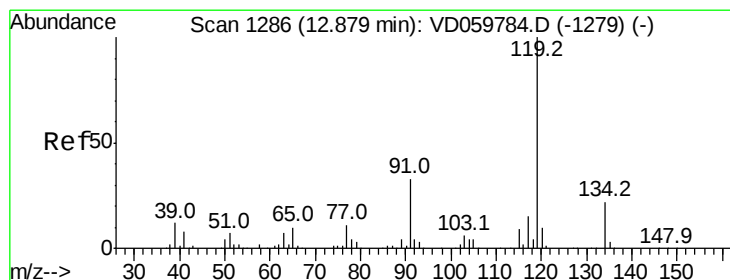
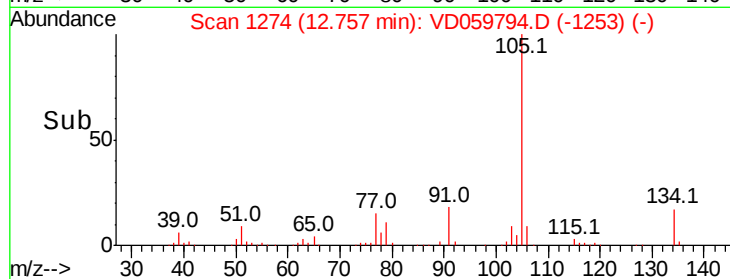
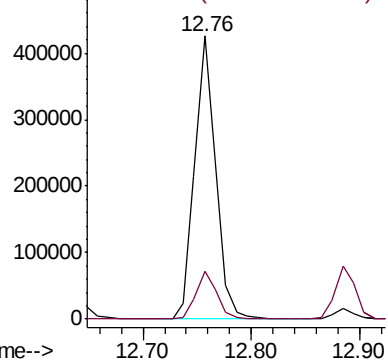
#85
 sec-Butylbenzene
 Concen: 54.584 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 572684
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.2 24.4

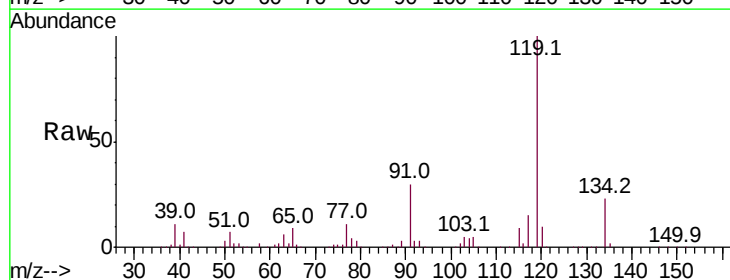


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

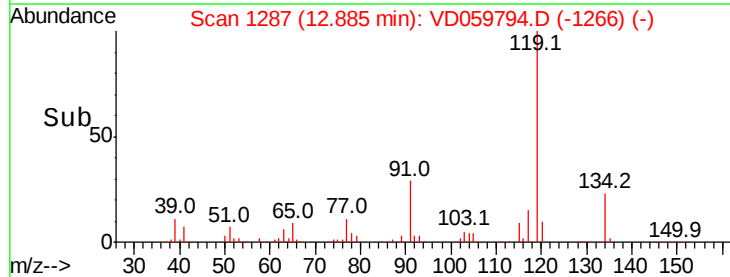
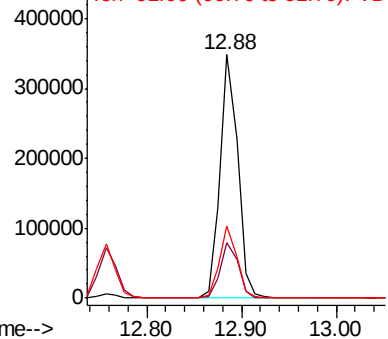


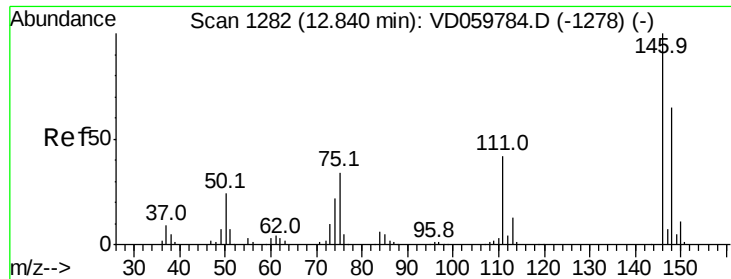
#86
 p-Isopropyltoluene
 Concen: 51.334 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion:119 Resp: 450663
 Ion Ratio Lower Upper
 119 100
 134 22.7 10.9 32.6
 91 29.5 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

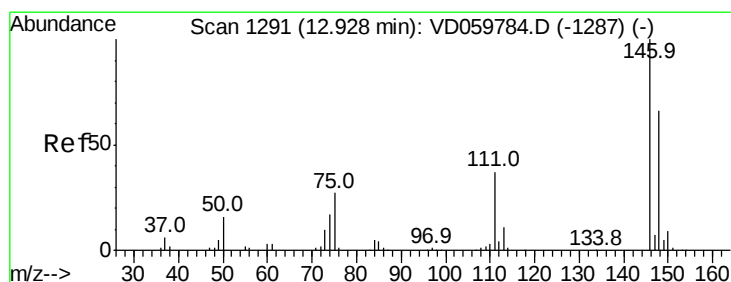
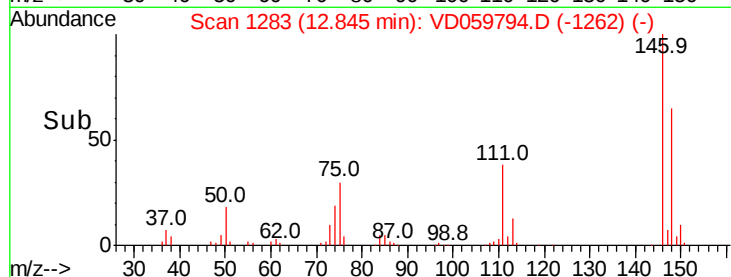
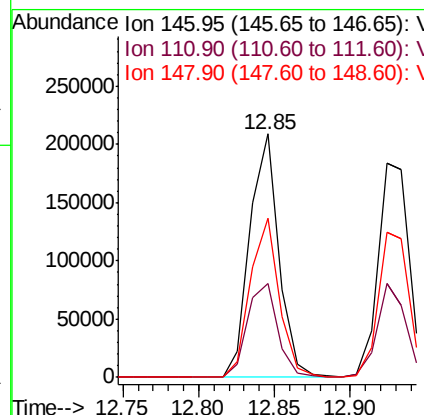
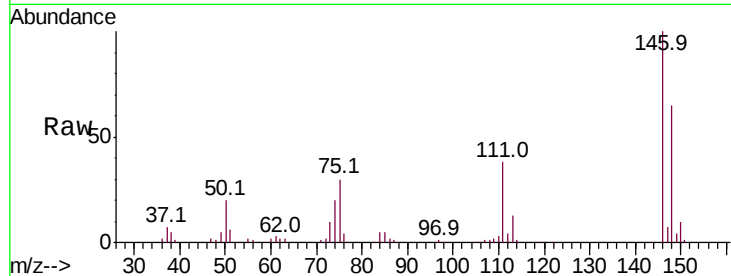




#87
 1,3-Dichlorobenzene
 Concen: 53.371 ug/l
 RT: 12.85 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

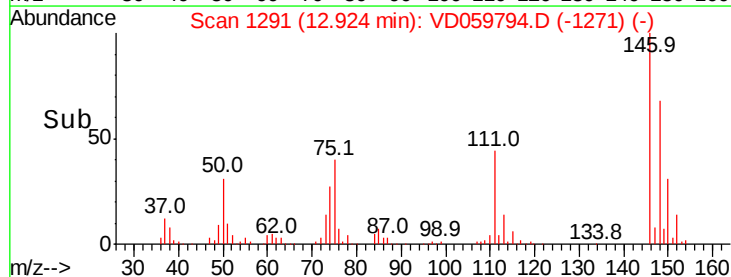
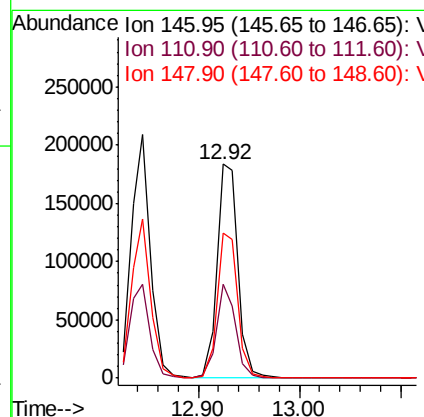
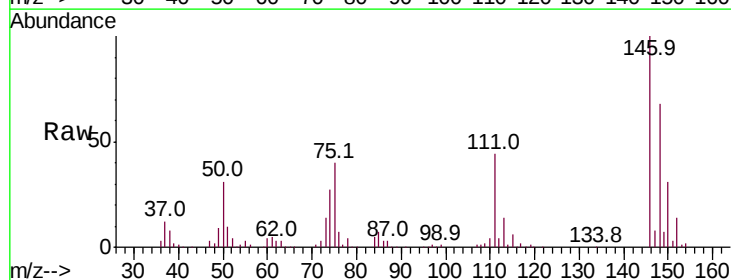
Instrument :
 MSVOA_D
 ClientSampleId :

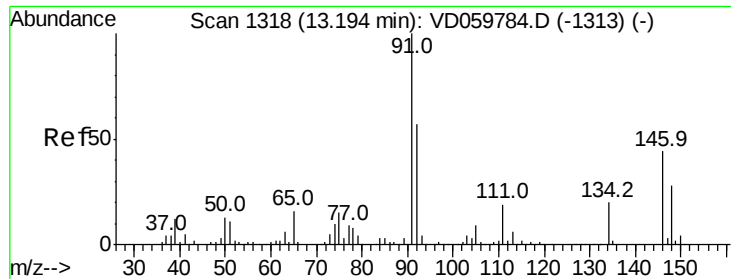
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.9	62.8
148	65.5	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 51.708 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	18.6	55.6
148	68.1	33.0	99.0

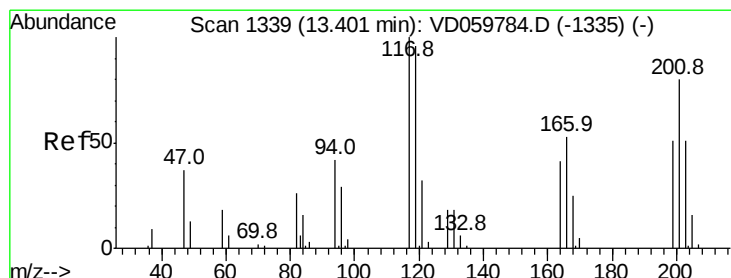
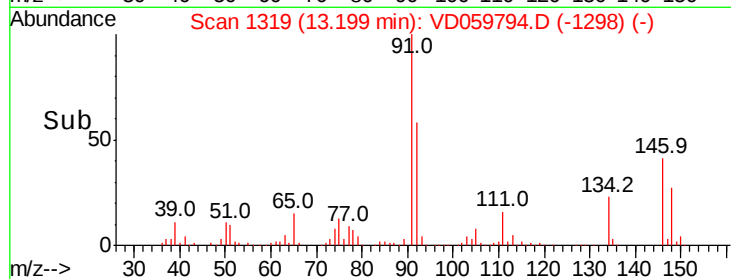
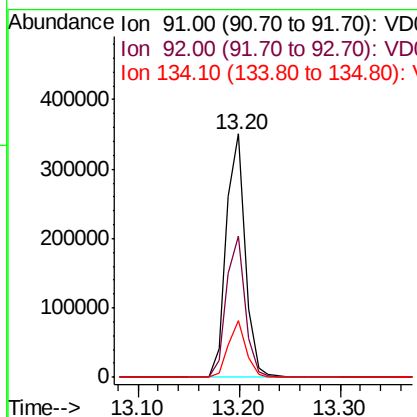
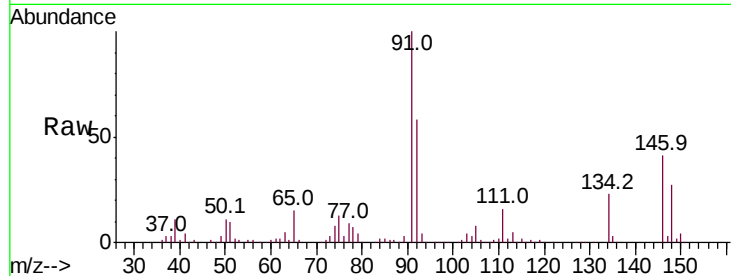




#89
n-Butylbenzene
Concen: 51.695 ug/l
RT: 13.20 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

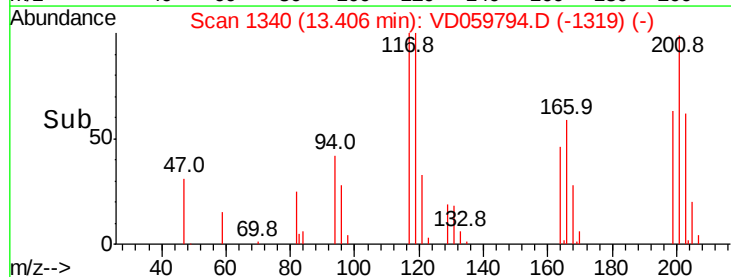
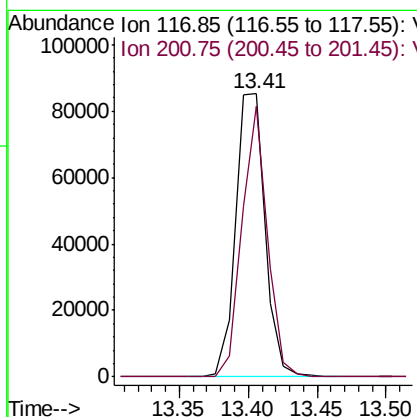
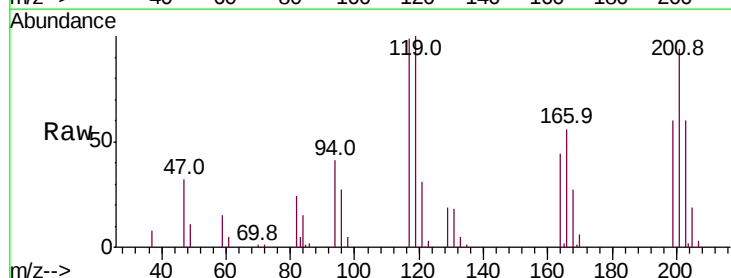
Instrument :
MSVOA_D
ClientSampled :

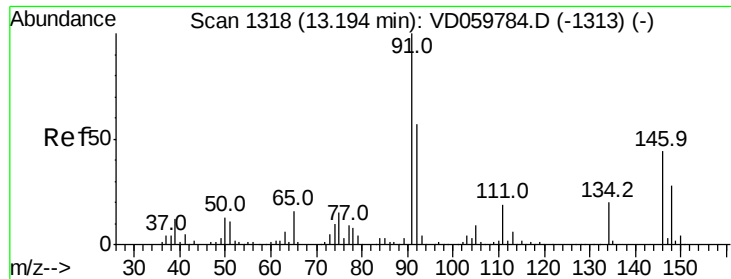
Tot Ion: 91 Resp: 458862
Ion Ratio Lower Upper
91 100
92 58.2 28.4 85.3
134 23.1 10.2 30.4



#90
Hexachloroethane
Concen: 57.533 ug/l
RT: 13.41 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion: 117 Resp: 126743
Ion Ratio Lower Upper
117 100
201 95.5 39.9 119.7

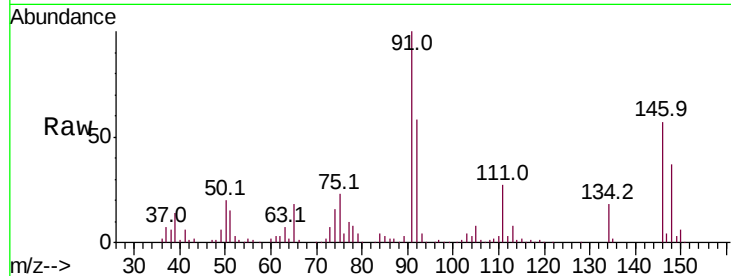




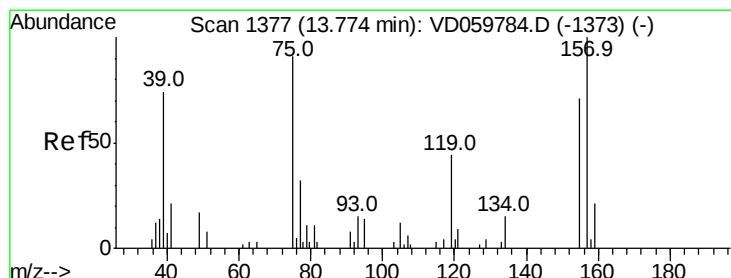
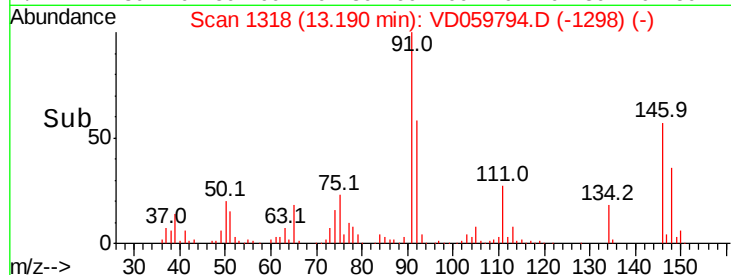
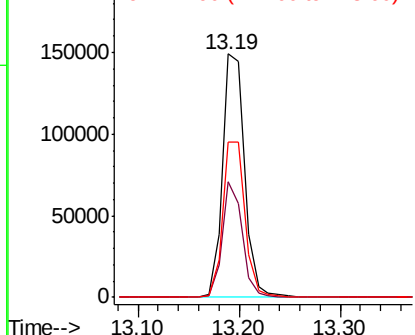
#91
 1,2-Dichlorobenzene
 Concen: 52.789 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 227631
 Ion Ratio Lower Upper
 146 100
 111 47.6 21.1 63.1
 148 63.8 32.0 96.2

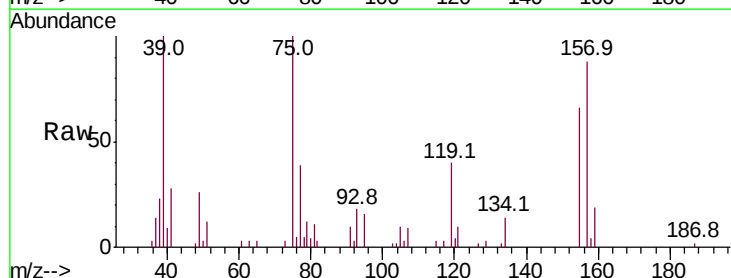


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

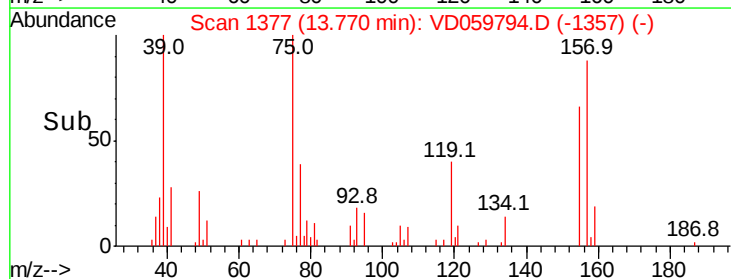
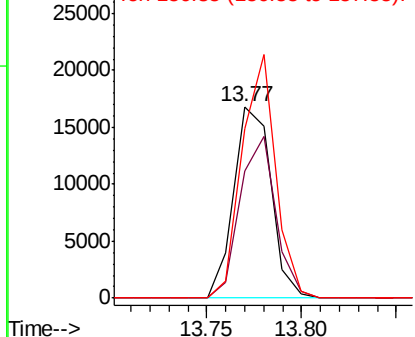


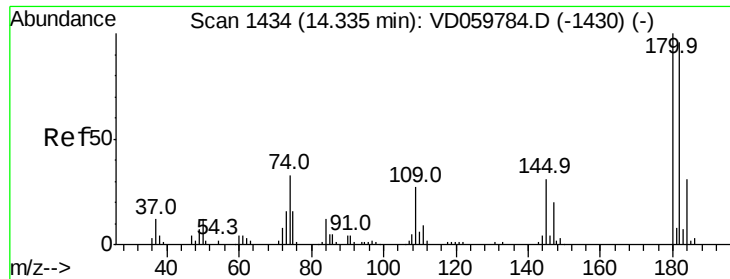
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.746 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion: 75 Resp: 22888
 Ion Ratio Lower Upper
 75 100
 155 66.5 39.0 117.0
 157 88.1 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

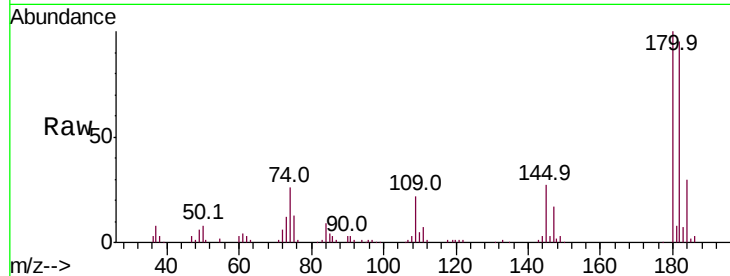




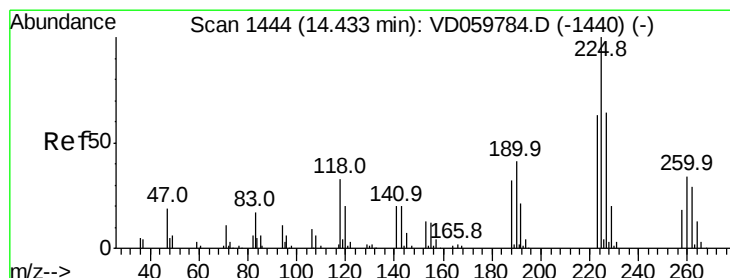
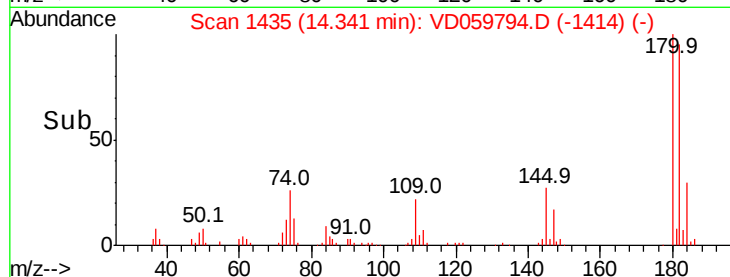
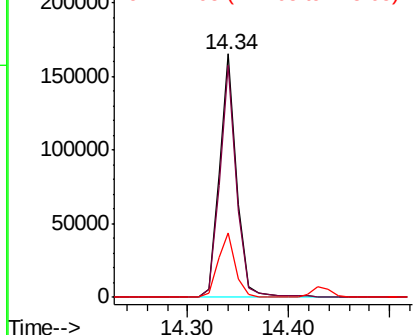
#93
 1,2,4-Trichlorobenzene
 Concen: 55.005 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 198322
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.0 144.0
 145 26.6 15.5 46.5

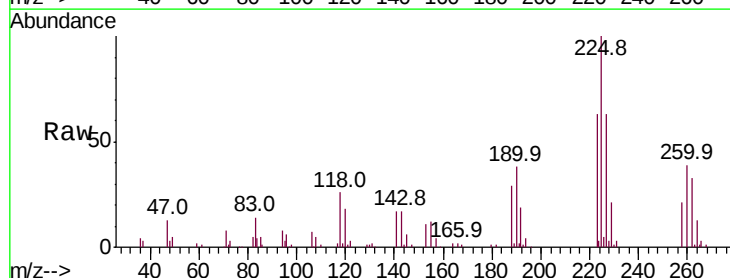


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

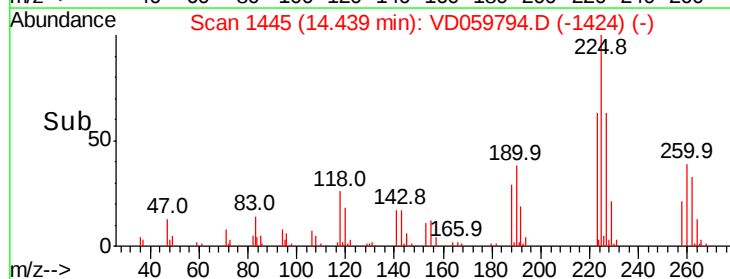
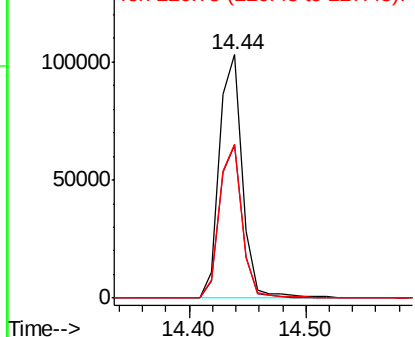


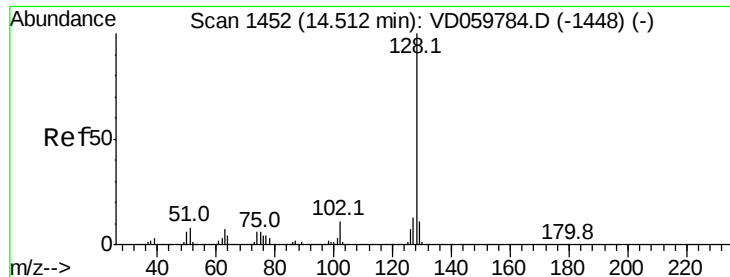
#94
 Hexachlorobutadiene
 Concen: 53.001 ug/l
 RT: 14.44 min Scan# 1445
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion:225 Resp: 141056
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.4 94.2
 227 63.5 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: 54.364 ug/l

RT: 14.52 min Scan# 1453

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

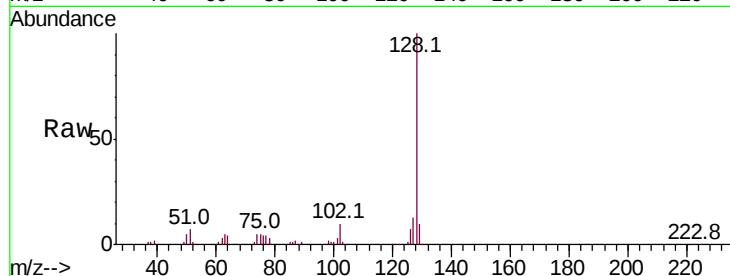
Tot Ion:128 Resp: 300095

Ion Ratio Lower Upper

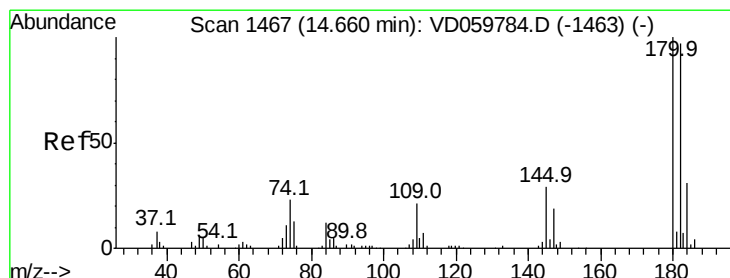
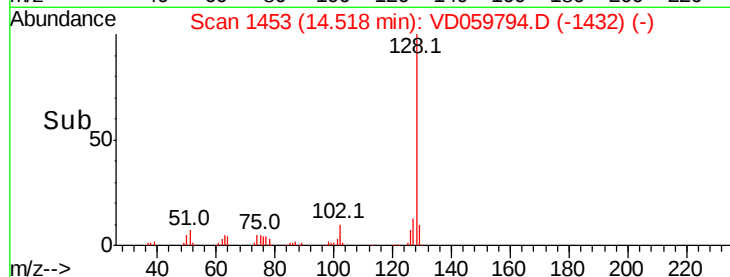
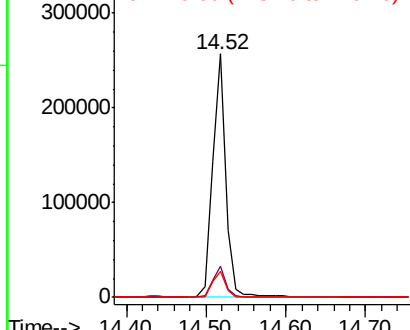
128 100

127 12.6 10.3 15.5

129 10.5 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: 53.544 ug/l

RT: 14.67 min Scan# 1468

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

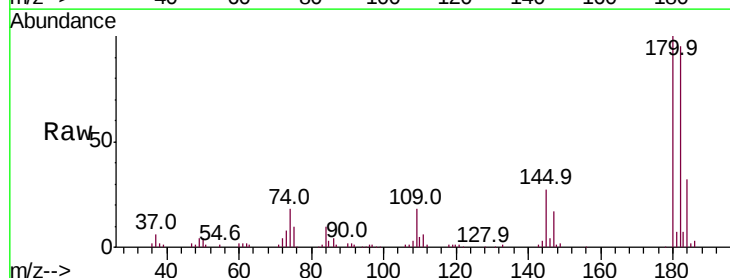
Tgt Ion:180 Resp: 170351

Ion Ratio Lower Upper

180 100

182 95.0 48.5 145.5

145 26.8 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

