

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059793.D
 Acq On : 15 Aug 2018 6:02
 Operator : VA/AP
 Sample : J3762-03
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 17:51:41 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	5.65	168	282141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	375773	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	308940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	167227	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	194811	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	
35) Dibromofluoromethane	5.55	113	172113	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
50) Toluene-d8	8.71	98	414363	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
62) 4-Bromofluorobenzene	11.93	95	173577	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	7535	2.192	ug/l	96
3) Chloromethane	1.49	50	4267	2.261	ug/l #	78
4) Vinyl Chloride	1.57	62	4089	2.045	ug/l	91
5) Bromomethane	1.81	94	2402	3.774	ug/l #	74
6) Chloroethane	1.89	64	1927	2.311	ug/l #	43
7) Trichlorofluoromethane	2.10	101	7081	2.255	ug/l #	79
8) Diethyl Ether	2.36	74	1082	1.791	ug/l	63
9) 1,1,2-Trichlorotrifluoroet	2.57	101	3878	2.203	ug/l	93
10) Methyl Iodide	2.71	142	2899	4.431	ug/l #	77
11) Tert butyl alcohol	3.27	59	930	7.251	ug/l #	74
12) 1,1-Dichloroethene	2.56	96	2837	2.229	ug/l	90
13) Acrolein	2.47	56	283	21.316	ug/l #	11
14) Allyl chloride	2.93	41	6775	2.118	ug/l #	88
15) Acrylonitrile	3.36	53	5017	11.165	ug/l #	80
16) Acetone	2.62	43	7145	12.489	ug/l #	88
17) Carbon Disulfide	2.77	76	8856	2.076	ug/l	97
18) Methyl Acetate	2.94	43	3663	2.996	ug/l #	63
19) Methyl tert-butyl Ether	3.40	73	13458	2.166	ug/l	92
20) Methylene Chloride	3.08	84	11088	4.325	ug/l	95
21) trans-1,2-Dichloroethene	3.40	96	5737	2.287	ug/l	83
22) Diisopropyl ether	4.08	45	19521	2.262	ug/l #	92
23) Vinyl Acetate	4.01	43	50265	10.285	ug/l	99
24) 1,1-Dichloroethane	3.98	63	11982	2.340	ug/l #	88
25) 2-Butanone	4.84	43	9966	11.382	ug/l	94
26) 2,2-Dichloropropane	4.81	77	10147	2.168	ug/l	90
27) cis-1,2-Dichloroethene	4.80	96	5522	2.009	ug/l	87
28) Bromochloromethane	5.16	49	4524	2.252	ug/l #	80
29) Tetrahydrofuran	5.20	42	3984	10.664	ug/l	93
30) Chloroform	5.33	83	13318	2.167	ug/l	96
31) Cyclohexane	5.62	56	15295	4.154	ug/l #	56
32) 1,1,1-Trichloroethane	5.52	97	11206	2.073	ug/l	87
36) 1,1-Dichloropropene	5.75	75	10310	2.674	ug/l	99
37) Ethyl Acetate	4.93	43	4313	2.237	ug/l #	72
38) Carbon Tetrachloride	5.73	117	9980	2.146	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	7419	2.225	ug/l #	90
40) Benzene	6.02	78	19193	2.347	ug/l	96
41) Methacrylonitrile	5.13	41	1663	1.803	ug/l #	61
42) 1,2-Dichloroethane	6.13	62	10393	2.348	ug/l	82
43) Isopropyl Acetate	7.62	43	5220	2.144	ug/l #	86
44) Trichloroethene	6.99	130	6181	2.207	ug/l	91
45) 1,2-Dichloropropane	7.36	63	4556	2.143	ug/l #	85
46) Dibromomethane	7.47	93	3292	1.894	ug/l	97
47) Bromodichloromethane	7.74	83	8484	1.992	ug/l	100
48) Methyl methacrylate	7.50	41	2811	1.769	ug/l #	83
49) 1,4-Dioxane	7.50	88	178	12.721	ug/l #	21
51) 4-Methyl-2-Pentanone	8.60	43	19380	10.529	ug/l	89
52) Toluene	8.81	92	13258	2.531	ug/l	100
53) t-1,3-Dichloropropene	9.19	75	6987	1.978	ug/l	100
54) cis-1,3-Dichloropropene	8.36	75	7565	1.982	ug/l	85
55) 1,1,2-Trichloroethane	9.45	97	4926	2.547	ug/l	90
56) Ethyl methacrylate	9.31	69	4176	1.994	ug/l #	82
57) 1,3-Dichloropropane	9.67	76	7247	2.392	ug/l #	73
58) 2-Chloroethyl Vinyl ether	8.20	63	11403	11.015	ug/l	93
59) 2-Hexanone	9.79	43	12123	9.185	ug/l	91
60) Dibromochloromethane	9.96	129	5145	1.832	ug/l	100
61) 1,2-Dibromoethane	10.09	107	4567	2.132	ug/l	87
64) Tetrachloroethene	9.51	164	5985	2.249	ug/l #	90
65) Chlorobenzene	10.72	112	15120	2.417	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.85	131	5776	2.290	ug/l	95
67) Ethyl Benzene	10.86	91	27427	2.546	ug/l #	88
68) m/p-Xylenes	11.01	106	17987	4.926	ug/l	96
69) o-Xylene	11.40	106	7933	2.264	ug/l	90
70) Styrene	11.43	104	14413	2.319	ug/l	96
71) Bromoform	11.60	173	2754	1.502	ug/l #	89
73) Isopropylbenzene	11.78	105	25384	2.397	ug/l	98
74) N-amyl acetate	11.65	43	5888	1.814	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.07	83	5079	2.362	ug/l	91
76) 1,2,3-Trichloropropane	12.11	75	5836	2.460	ug/l	90
77) Bromobenzene	12.04	156	7307	2.415	ug/l	95
78) n-propylbenzene	12.15	91	30472	2.307	ug/l	98
79) 2-Chlorotoluene	12.22	91	19882	2.496	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	21229	2.504	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.92	75	87456	157.549	ug/l #	1
82) 4-Chlorotoluene	12.33	91	22179	2.453	ug/l	94
83) tert-Butylbenzene	12.57	119	21172	2.260	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	21266	2.328	ug/l	96
85) sec-Butylbenzene	12.75	105	26108	2.404	ug/l	98
86) p-Isopropyltoluene	12.89	119	21638	2.382	ug/l	91
87) 1,3-Dichlorobenzene	12.84	146	13177	2.429	ug/l	94
88) 1,4-Dichlorobenzene	12.93	146	13900	2.584	ug/l	93
89) n-Butylbenzene	13.19	91	23834	2.595	ug/l	96
90) Hexachloroethane	13.40	117	4673	2.050	ug/l	89
91) 1,2-Dichlorobenzene	13.19	146	12395	2.778	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	696	1.814	ug/l	88

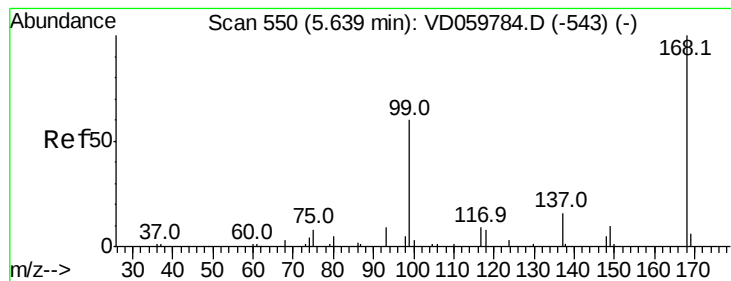
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	8602	2.305	ug/l	90
94) Hexachlorobutadiene	14.43	225	6148	2.232	ug/l	91
95) Naphthalene	14.51	128	13482	2.360	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	7929	2.408	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

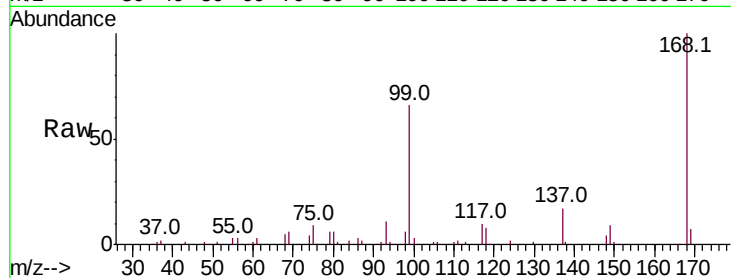
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 282141

Ion Ratio Lower Upper

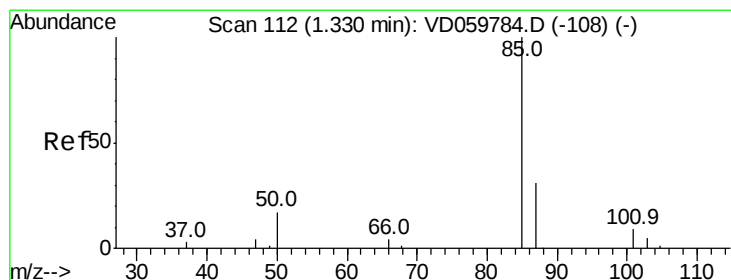
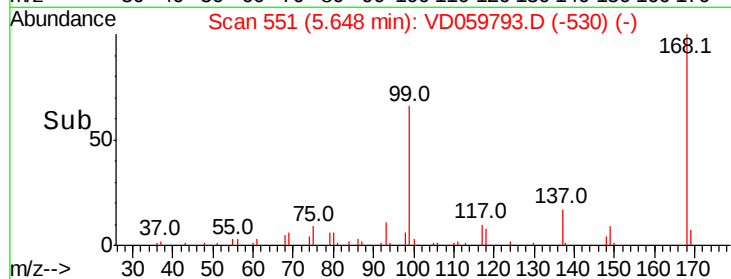
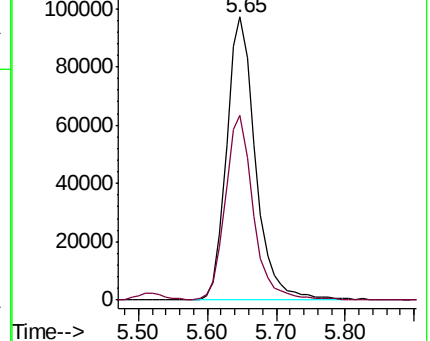
168 100

99 65.5 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: 2.192 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.02 min

Lab File: VD059793.D

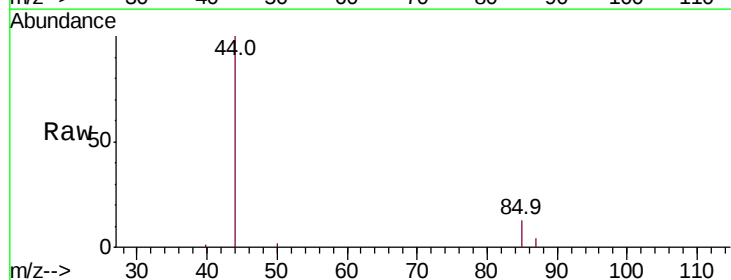
Acq: 15 Aug 2018 6:02

Tgt Ion: 85 Resp: 7535

Ion Ratio Lower Upper

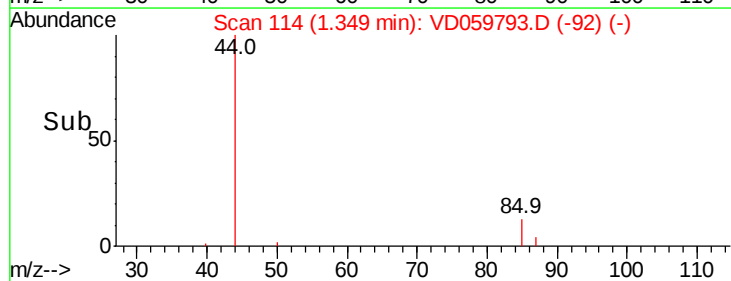
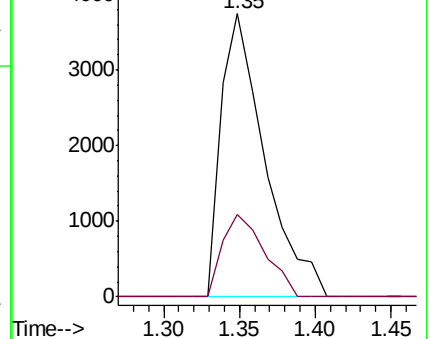
85 100

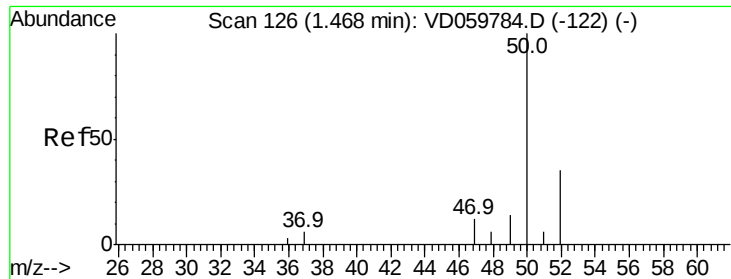
87 29.1 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 2.261 ug/l

RT: 1.49 min Scan# 128

Delta R.T. 0.02 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

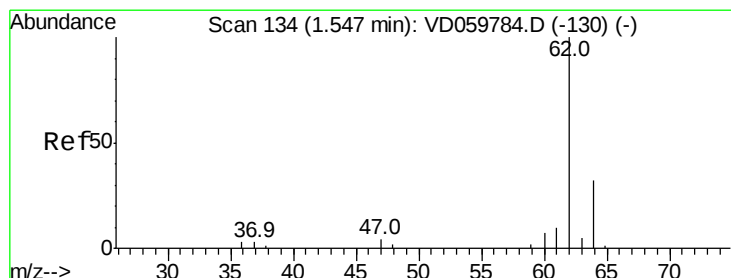
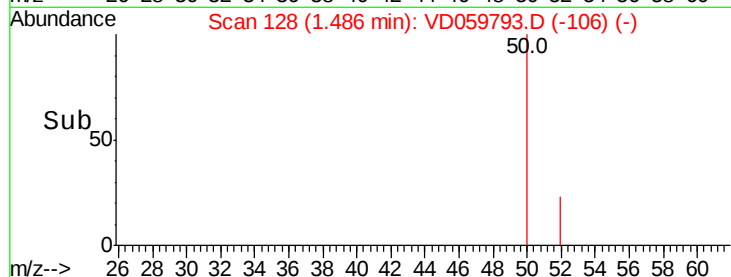
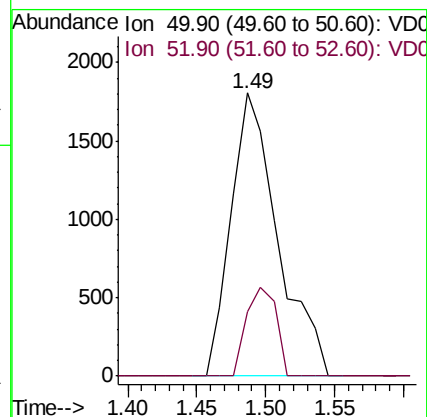
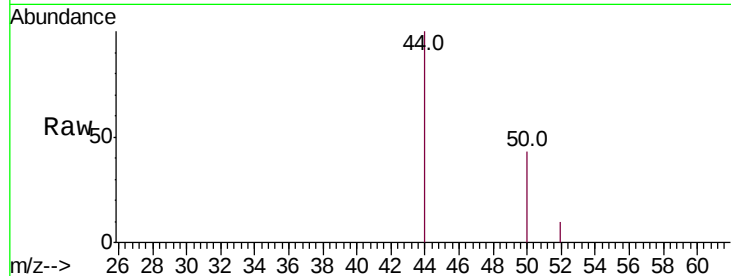
ClientSampleId :

Tot Ion: 50 Resp: 4267

Ion Ratio Lower Upper

50 100

52 22.6 28.4 42.6#



#4

Vinyl Chloride

Concen: 2.045 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.02 min

Lab File: VD059793.D

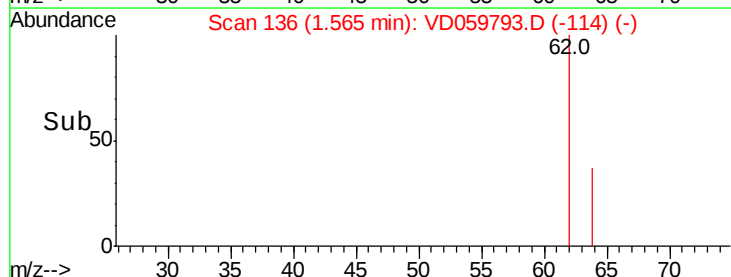
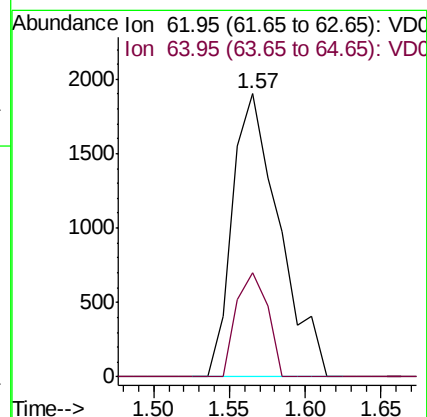
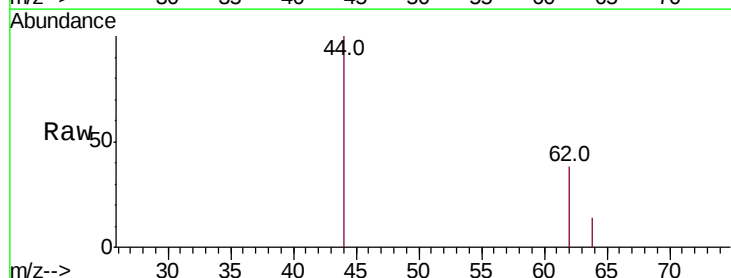
Acq: 15 Aug 2018 6:02

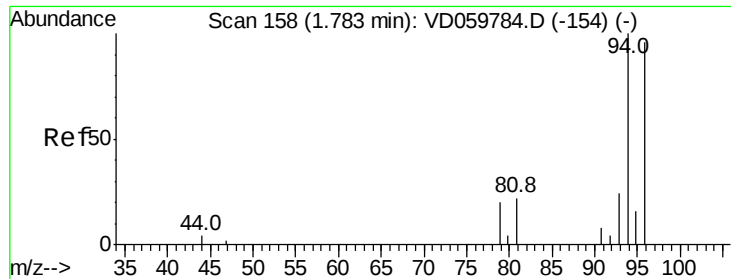
Tgt Ion: 62 Resp: 4089

Ion Ratio Lower Upper

62 100

64 37.0 25.5 38.3





#5

Bromomethane

Concen: 3.774 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.03 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

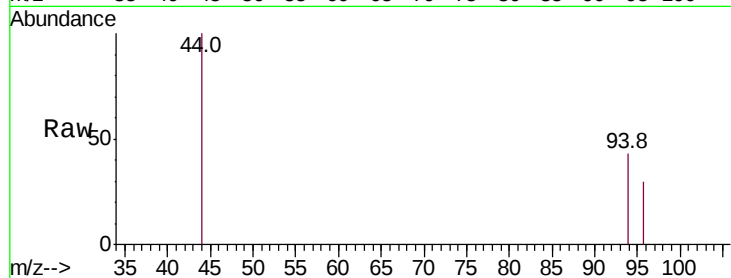
ClientSampleId :

Tot Ion: 94 Resp: 2402

Ion Ratio Lower Upper

94 100

96 70.1 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.81

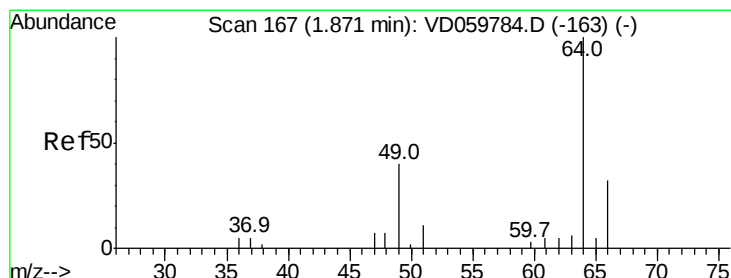
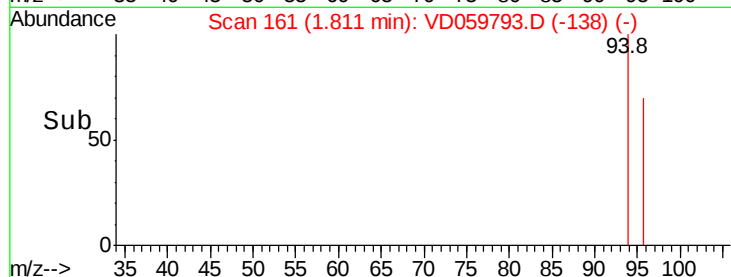
1500

1000

500

0

Time-->



#6

Chloroethane

Concen: 2.311 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD059793.D

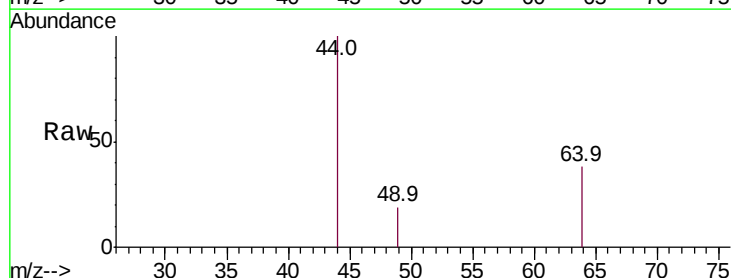
Acq: 15 Aug 2018 6:02

Tgt Ion: 64 Resp: 1927

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.89

1200

1000

800

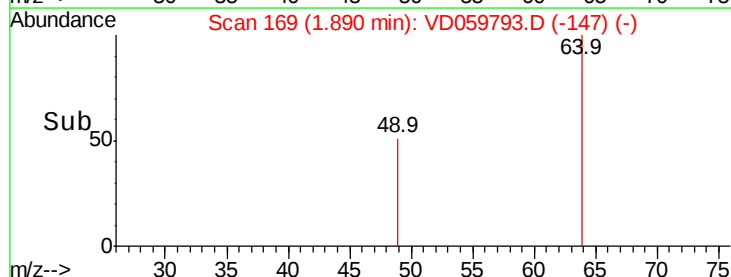
600

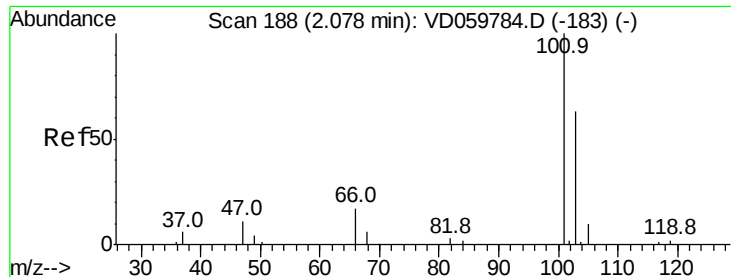
400

200

0

Time-->



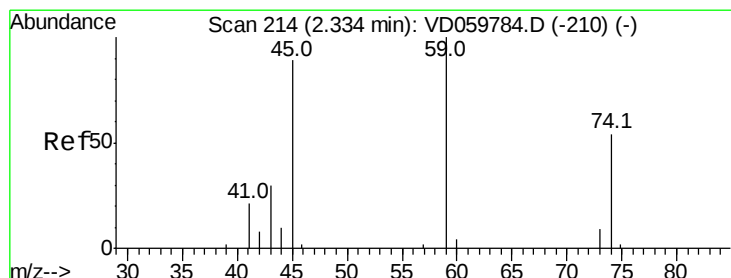
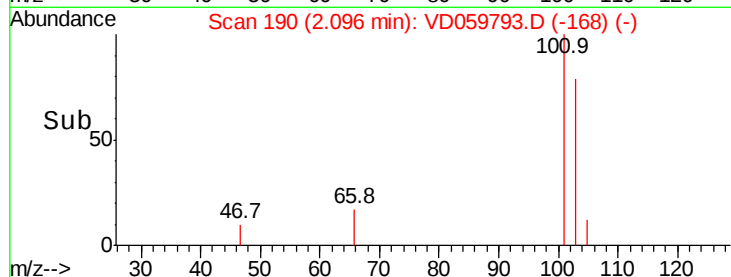
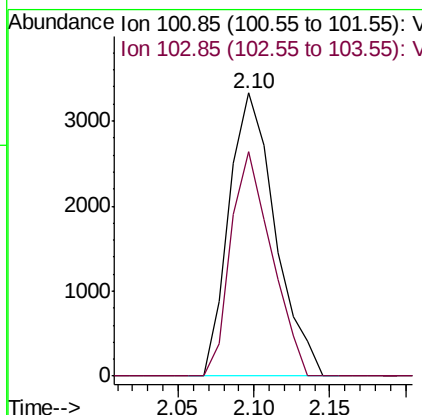
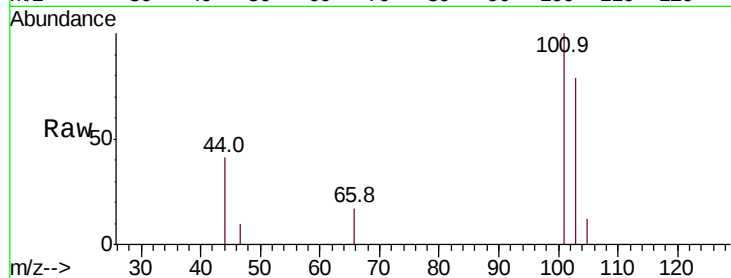


#7

Trichlorofluoromethane
 Concen: 2.255 ug/l
 RT: 2.10 min Scan# 190
 Delta R.T. 0.02 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Instrument :
 MSVOA_D
 ClientSampleId :

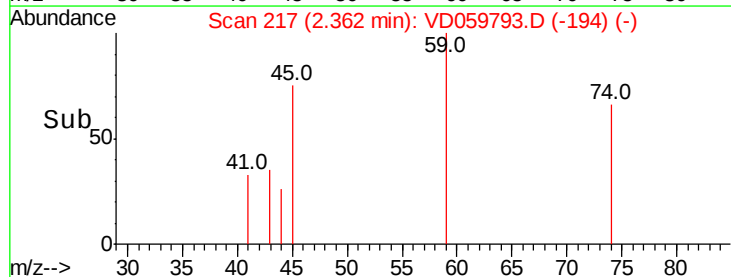
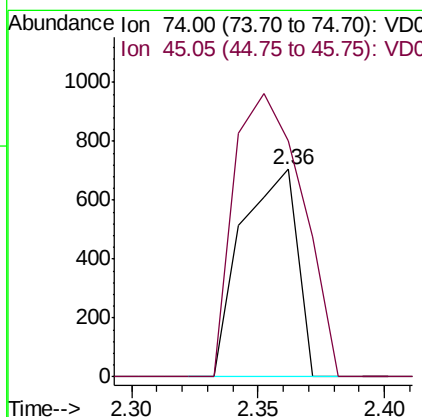
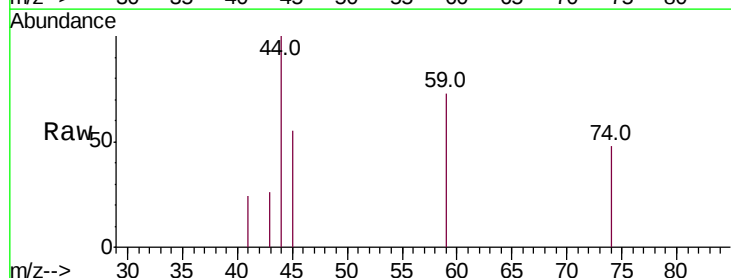
Tot Ion:101 Resp: 7081
 Ion Ratio Lower Upper
 101 100
 103 79.2 50.4 75.6#

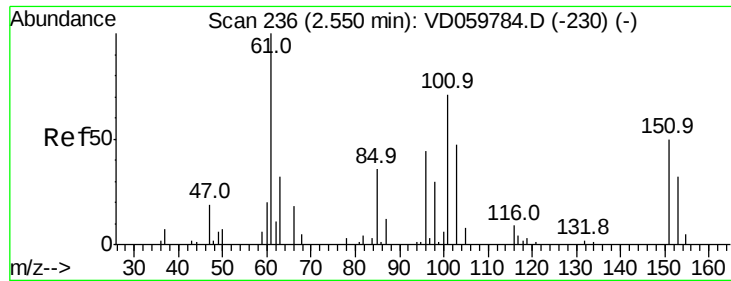


#8

Diethyl Ether
 Concen: 1.791 ug/l
 RT: 2.36 min Scan# 217
 Delta R.T. 0.03 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Tgt Ion: 74 Resp: 1082
 Ion Ratio Lower Upper
 74 100
 45 114.0 81.6 244.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.203 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.02 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

ClientSampled :

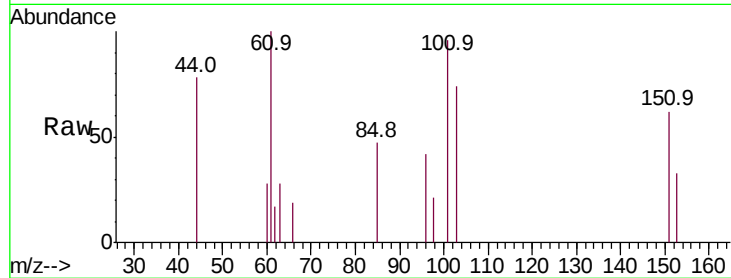
Tot Ion:101 Resp: 3878

Ion Ratio Lower Upper

101 100

85 48.9 40.6 61.0

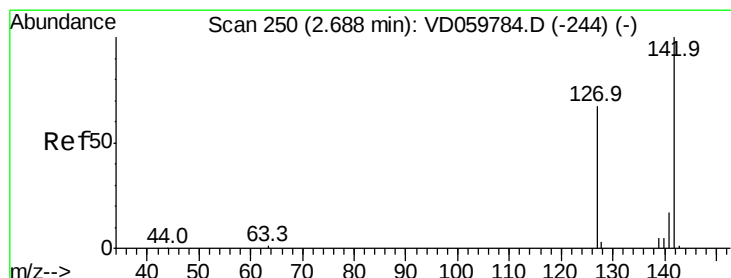
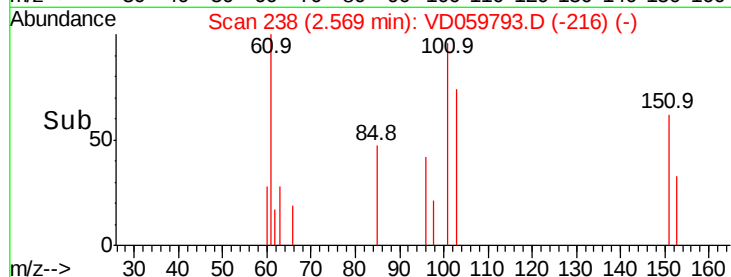
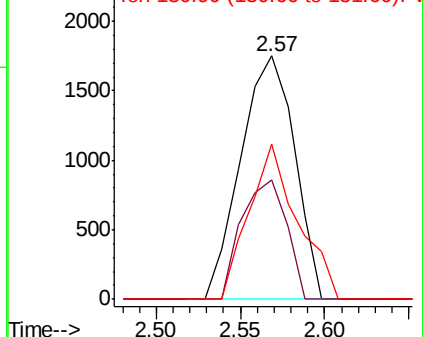
151 63.8 57.1 85.7



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: 4.431 ug/l

RT: 2.71 min Scan# 252

Delta R.T. 0.02 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

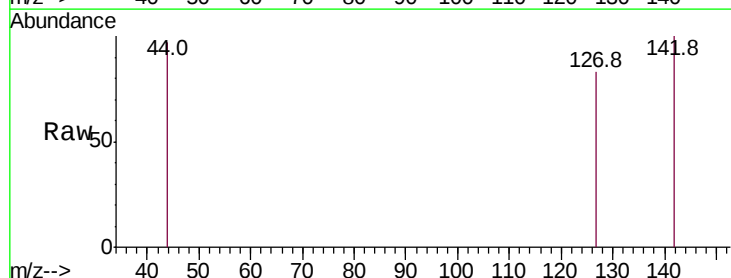
Tgt Ion:142 Resp: 2899

Ion Ratio Lower Upper

142 100

127 83.3 54.0 81.0#

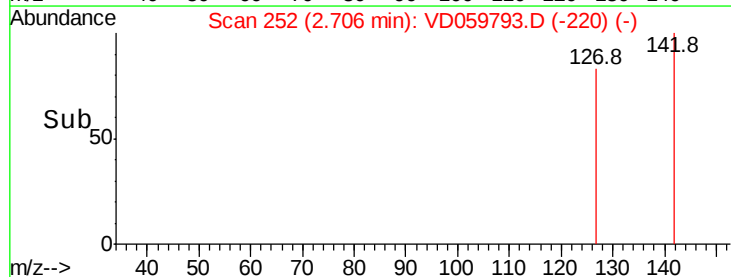
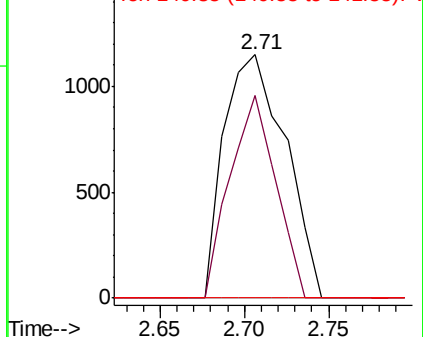
141 0.0 13.3 19.9#

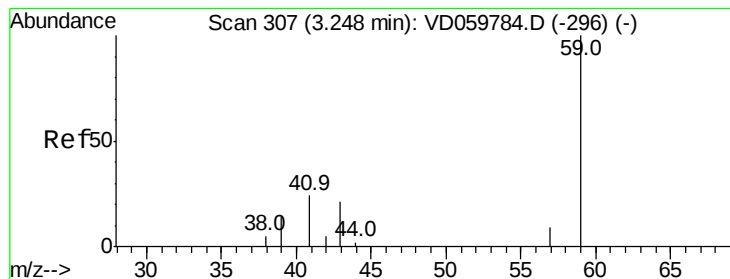


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



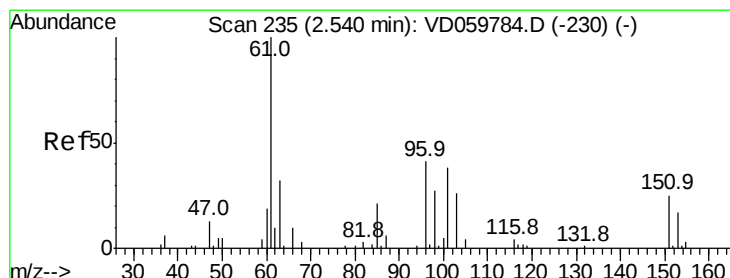
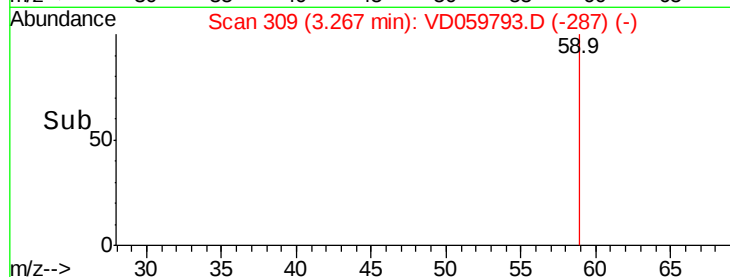
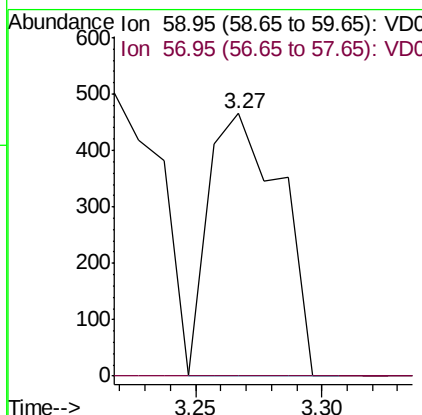
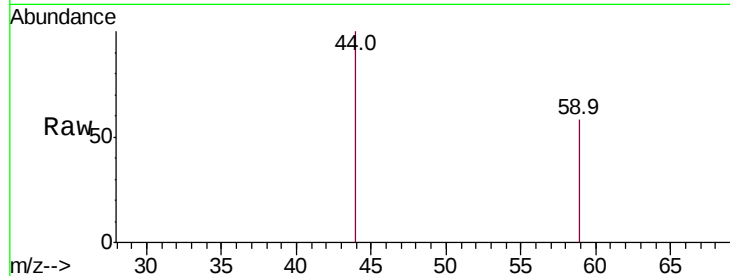


#11

Tert butyl alcohol
Concen: 7.251 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.02 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

Instrument :
MSVOA_D
ClientSampled :

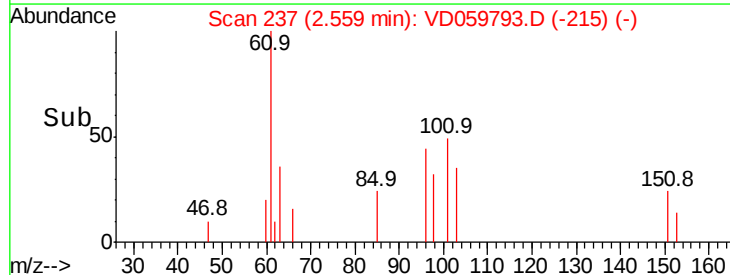
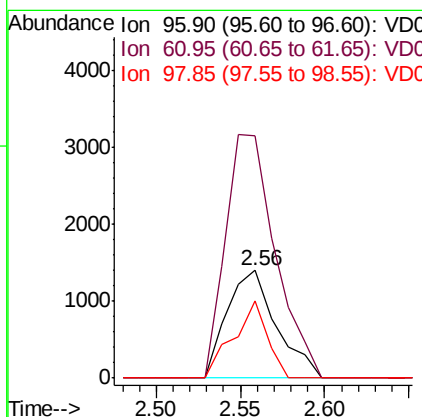
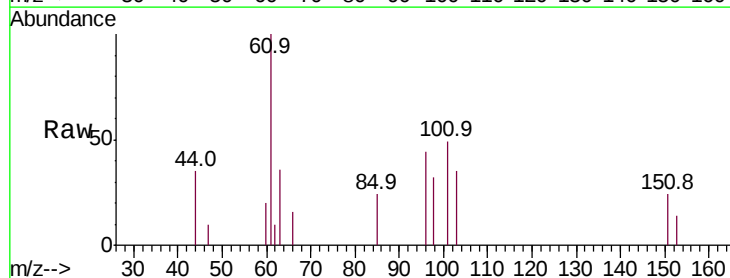
Tot Ion: 59 Resp: 930
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

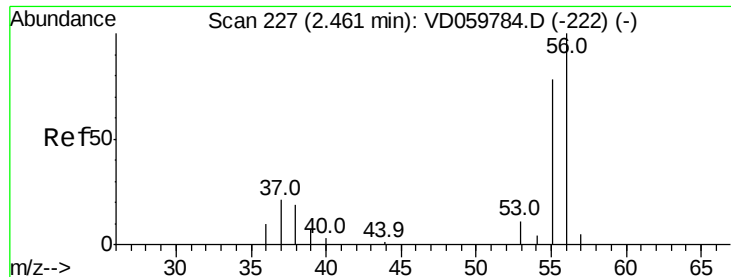


#12

1,1-Dichloroethene
Concen: 2.229 ug/l
RT: 2.56 min Scan# 237
Delta R.T. 0.02 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

Tgt Ion: 96 Resp: 2837
Ion Ratio Lower Upper
96 100
61 225.3 194.1 291.1
98 71.9 52.3 78.5





#13

Acrolein

Concen: 21.316 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.01 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

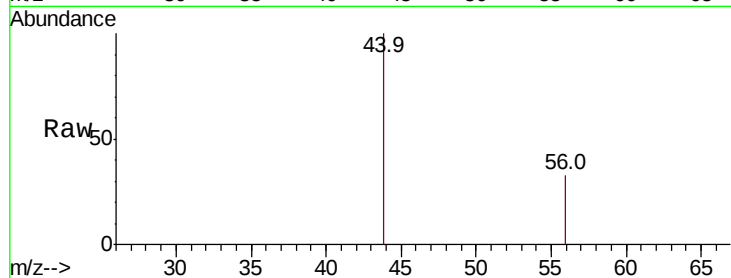
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 283

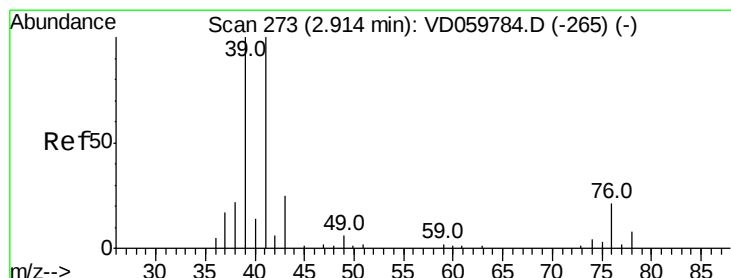
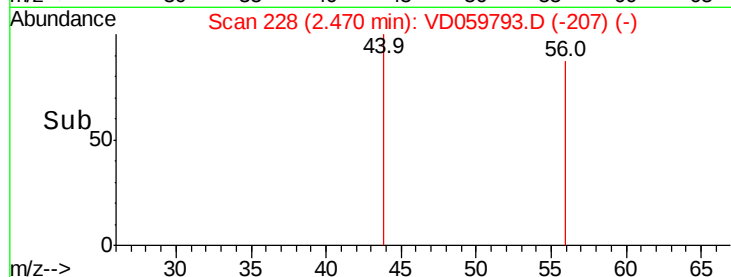
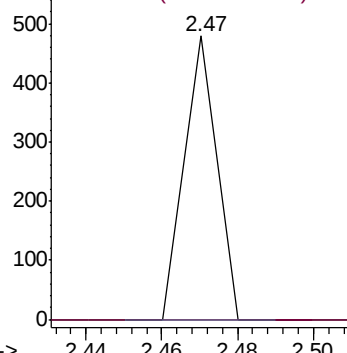
Ion Ratio Lower Upper

56 100

55 0.0 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: 2.118 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.02 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

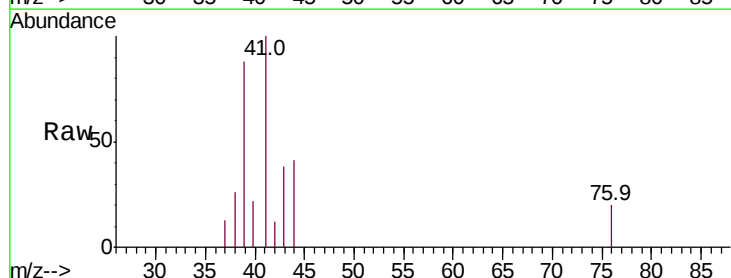
Tgt Ion: 41 Resp: 6775

Ion Ratio Lower Upper

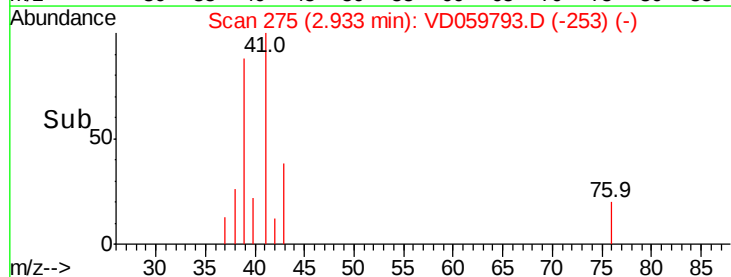
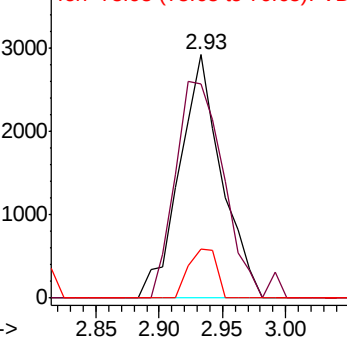
41 100

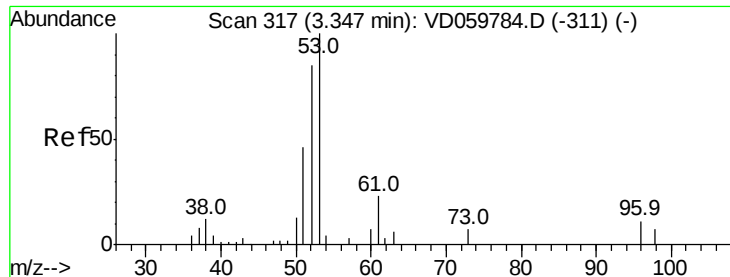
39 88.0 79.8 119.6

76 19.9 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: 11.165 ug/l

RT: 3.36 min Scan# 318

Delta R.T. 0.01 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

ClientSampled :

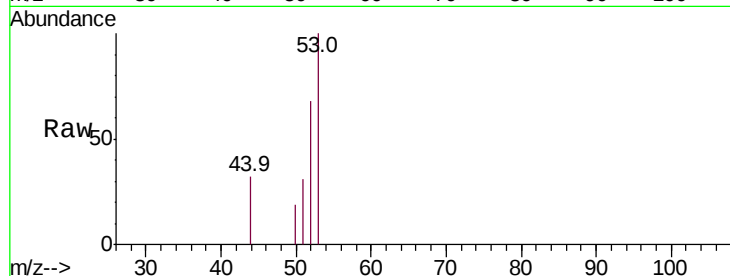
Tot Ion: 53 Resp: 5017

Ion Ratio Lower Upper

53 100

52 67.7 68.2 102.2#

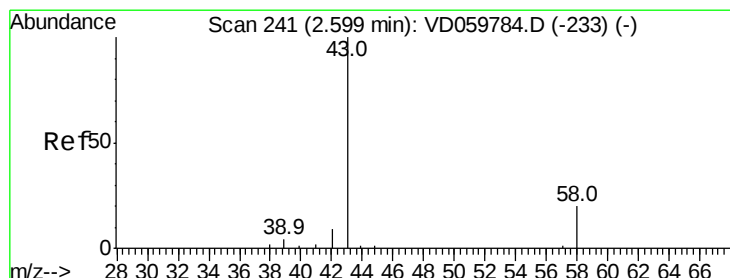
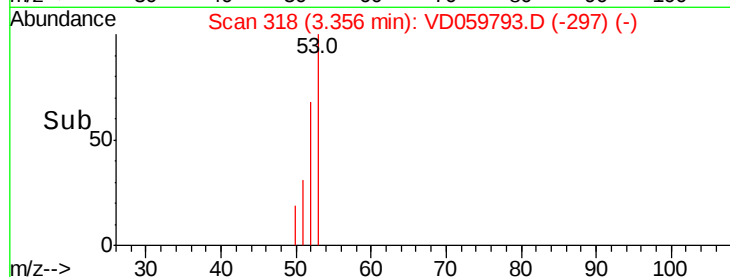
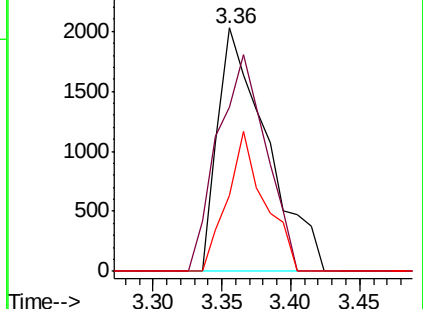
51 31.2 36.6 54.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 12.489 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD059793.D

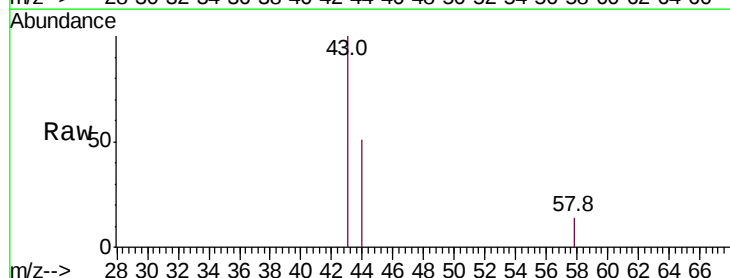
Acq: 15 Aug 2018 6:02

Tgt Ion: 43 Resp: 7145

Ion Ratio Lower Upper

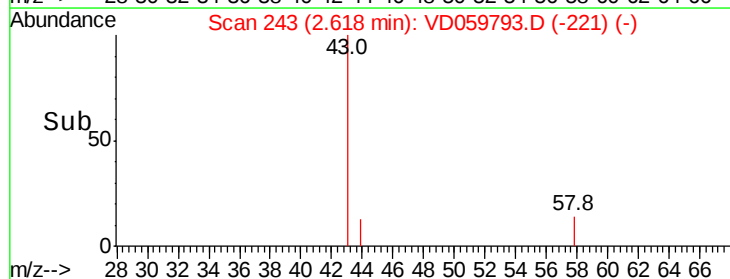
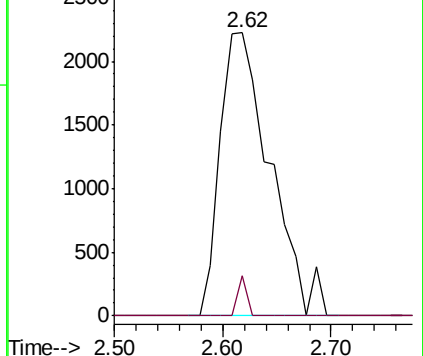
43 100

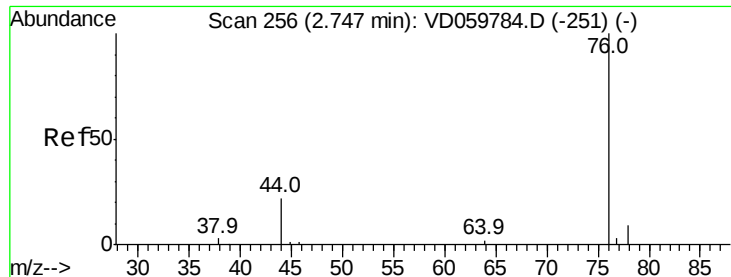
58 14.2 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

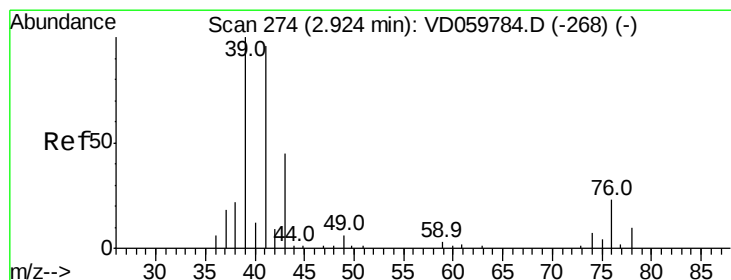
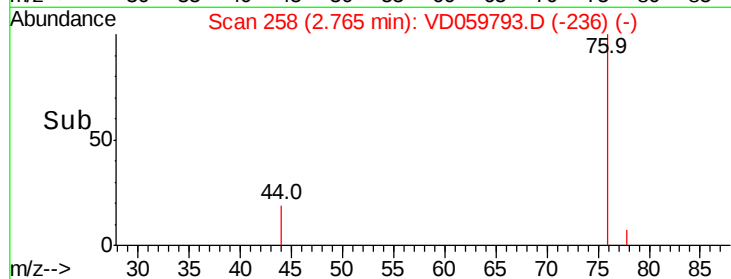
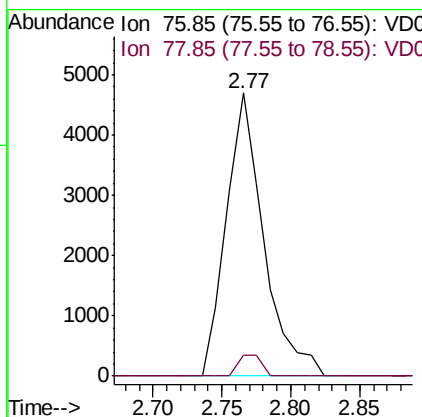
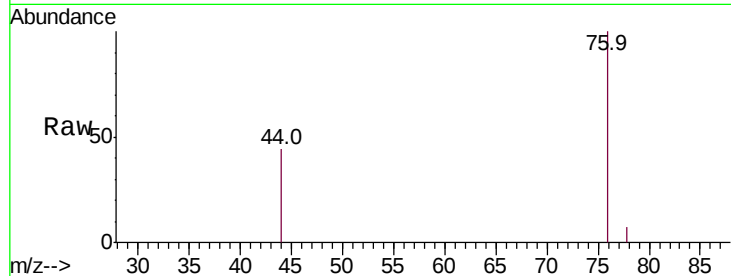




#17
Carbon Disulfide
Concen: 2.076 ug/l
RT: 2.77 min Scan# 258
Delta R.T. 0.02 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

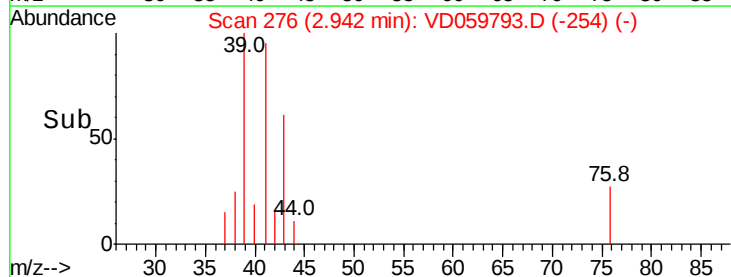
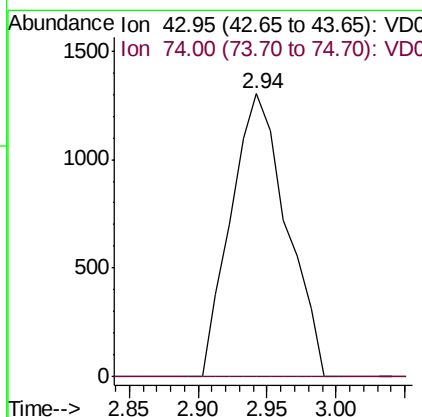
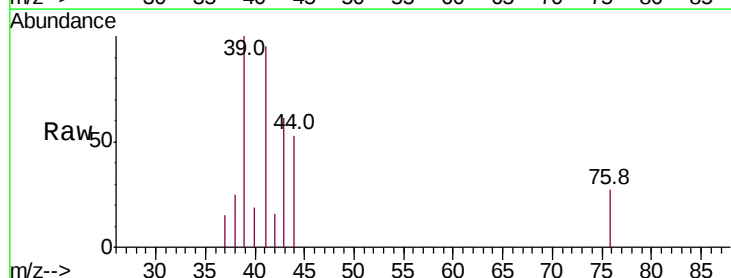
Instrument :
MSVOA_D
ClientSampled :

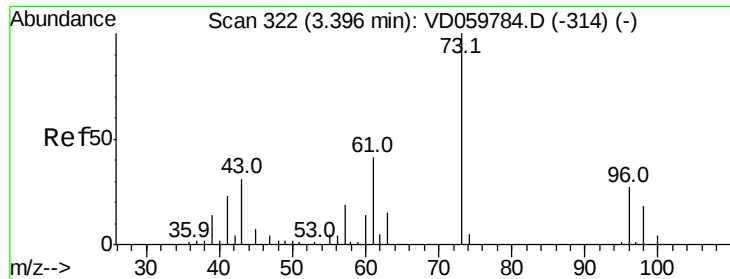
Tot Ion: 76 Resp: 8856
Ion Ratio Lower Upper
76 100
78 7.4 6.9 10.3



#18
Methyl Acetate
Concen: 2.996 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.02 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

Tgt Ion: 43 Resp: 3663
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#

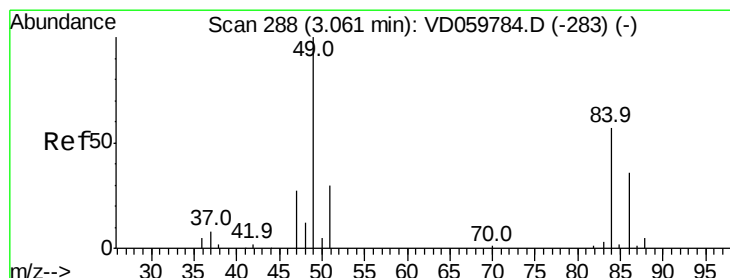
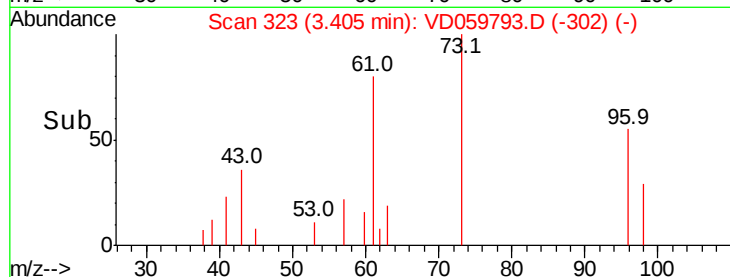
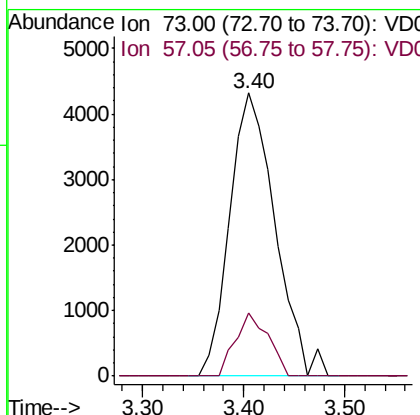
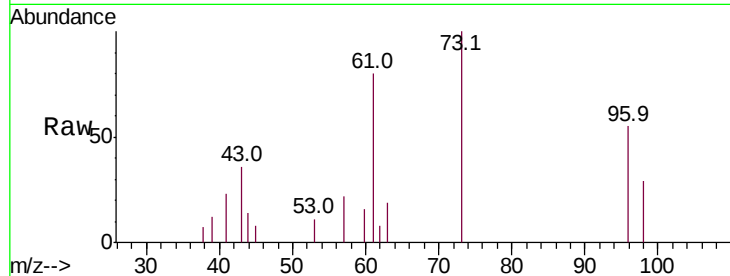




#19
Methvl tert-butvl Ether
Concen: 2.166 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.01 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

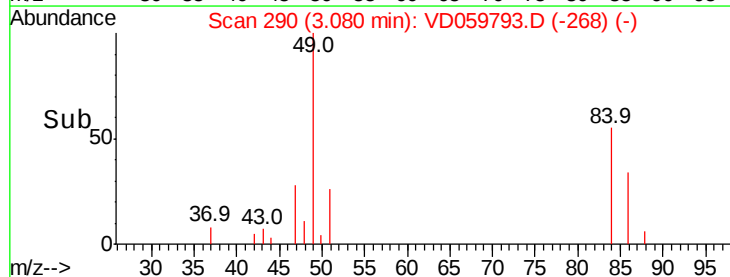
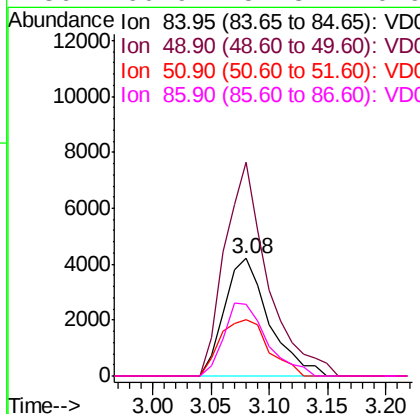
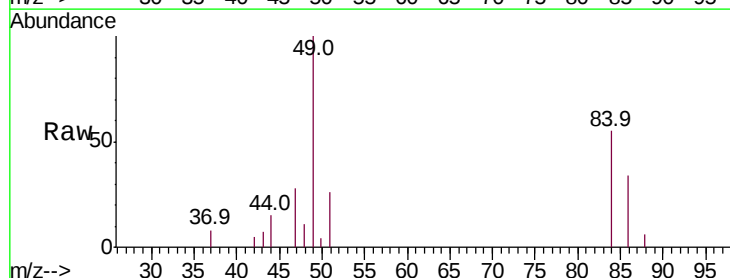
Instrument :
MSVOA_D
ClientSampleId :

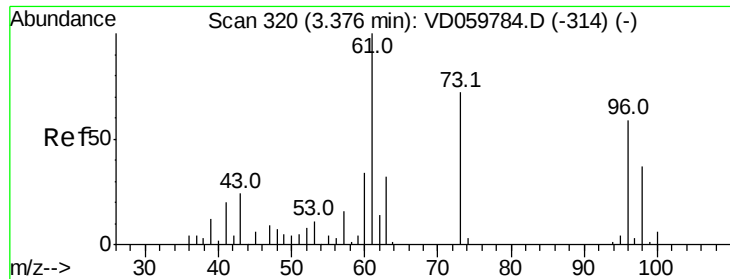
Tot Ion: 73 Resp: 13458
Ion Ratio Lower Upper
73 100
57 22.1 14.8 22.2



#20
Methylene Chloride
Concen: 4.325 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

Tgt Ion: 84 Resp: 11088
Ion Ratio Lower Upper
84 100
49 181.6 140.9 211.3
51 48.1 42.8 64.2
86 60.9 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 2.287 ug/l

RT: 3.40 min Scan# 323

Delta R.T. 0.03 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

ClientSampled :

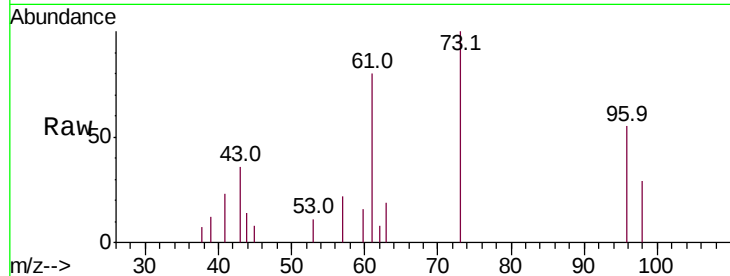
Tot Ion: 96 Resp: 5737

Ion Ratio Lower Upper

96 100

61 144.0 134.8 202.2

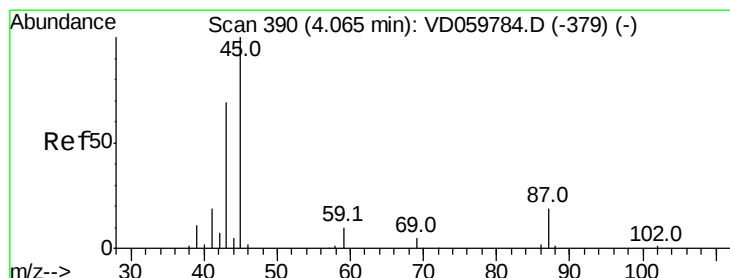
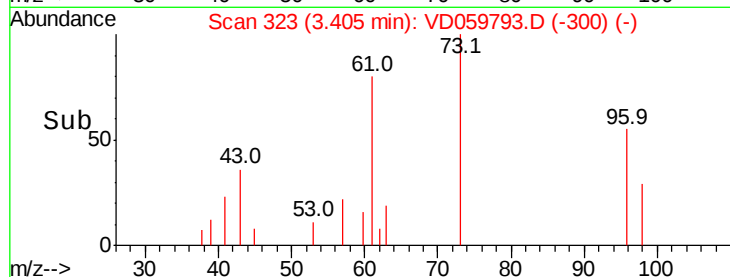
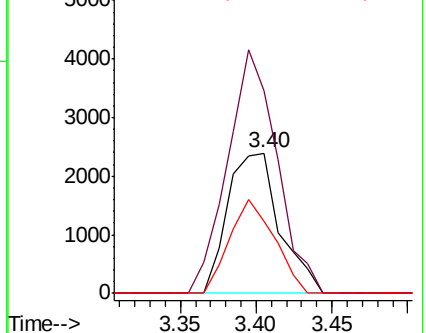
98 51.4 50.0 75.0



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: 2.262 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.02 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Tgt Ion: 45 Resp: 19521

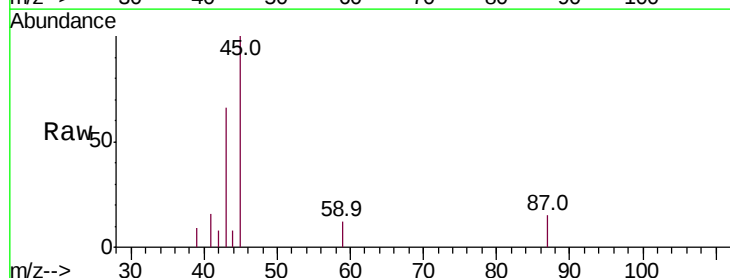
Ion Ratio Lower Upper

45 100

43 65.8 57.5 86.3

87 14.6 16.1 24.1#

59 12.1 8.4 12.6

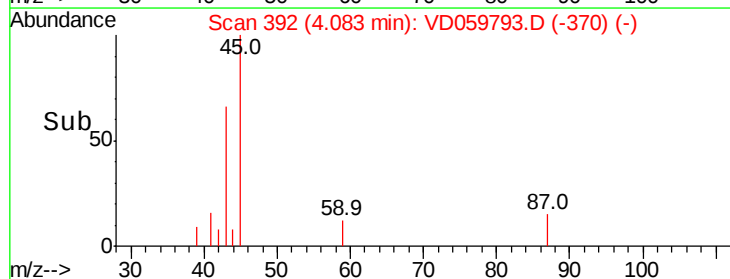
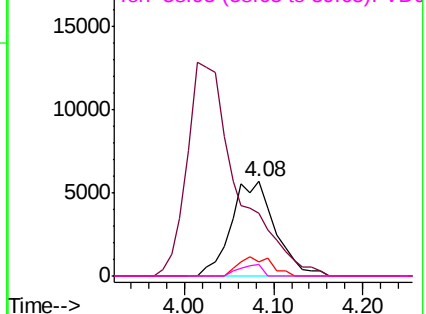


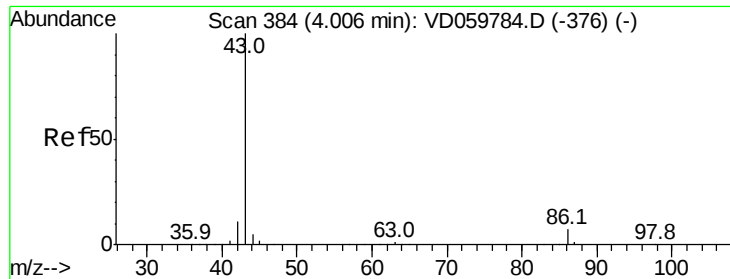
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

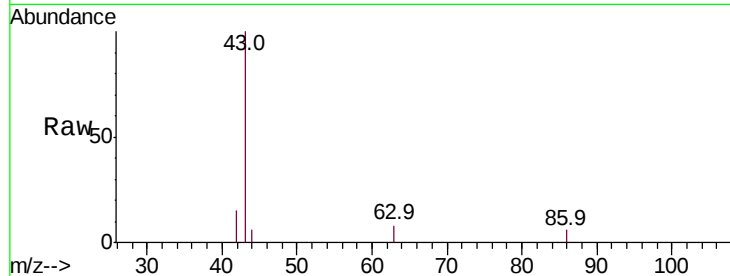




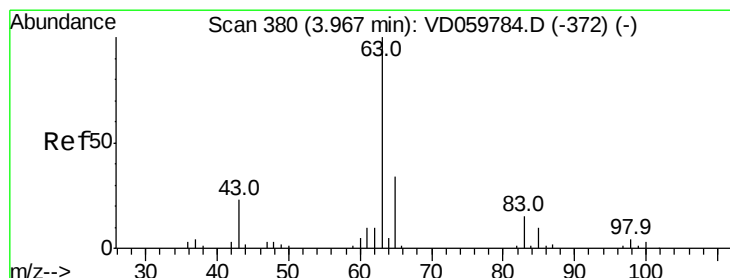
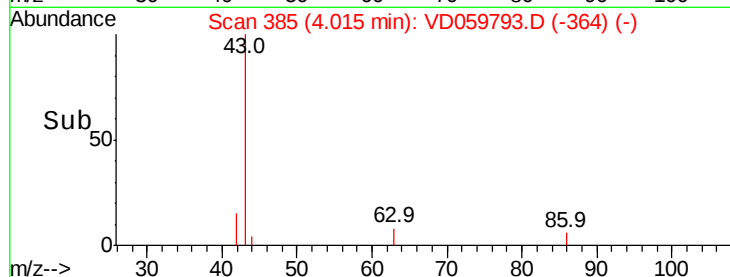
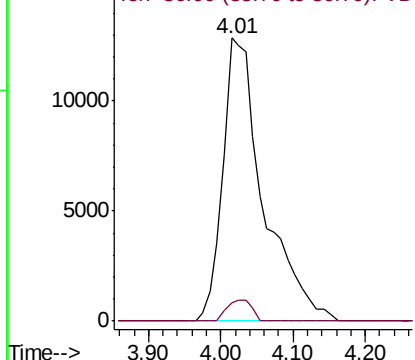
#23
 Vinyl Acetate
 Concen: 10.285 ug/l
 RT: 4.01 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 50265
 Ion Ratio Lower Upper
 43 100
 86 6.4 5.4 8.0

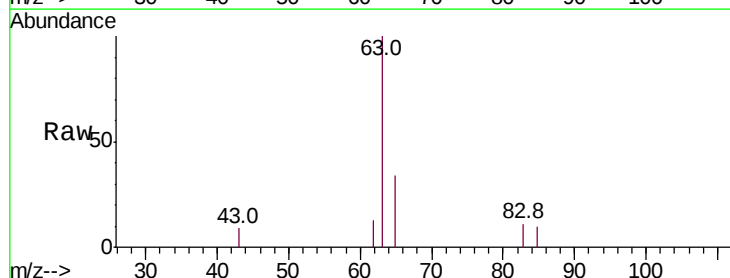


Abundance Ion 42.95 (42.65 to 43.65): VDC
 15000 Ion 86.00 (85.70 to 86.70): VDC

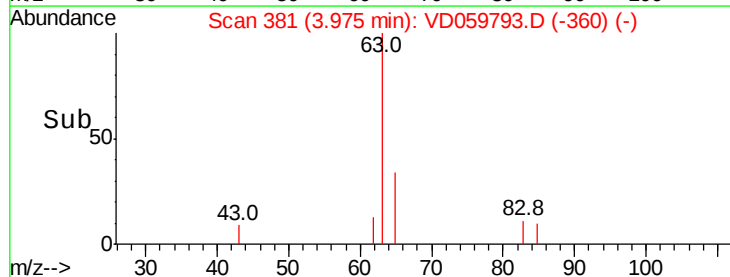
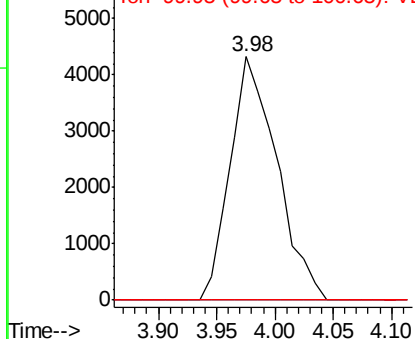


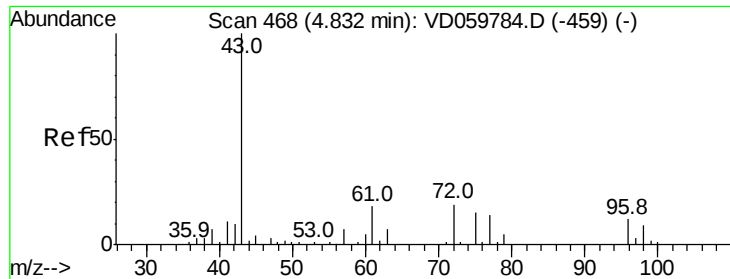
#24
 1,1-Dichloroethane
 Concen: 2.340 ug/l
 RT: 3.98 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Tgt Ion: 63 Resp: 11982
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.2 6.6#
 100 0.0 1.6 4.7#



Abundance Ion 62.95 (62.65 to 63.65): VDC
 6000 Ion 97.95 (97.65 to 98.65): VDC
 Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 11.382 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

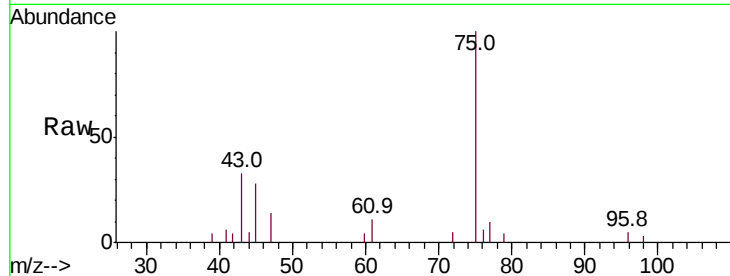
ClientSampled :

Tot Ion: 43 Resp: 9966

Ion Ratio Lower Upper

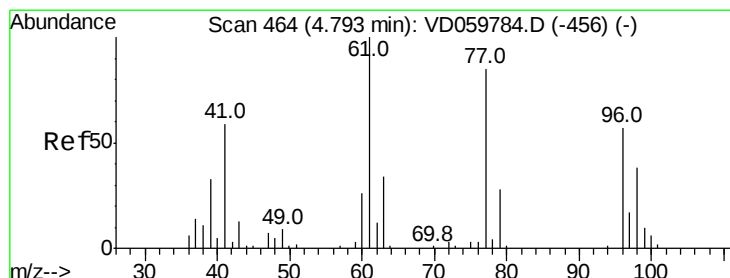
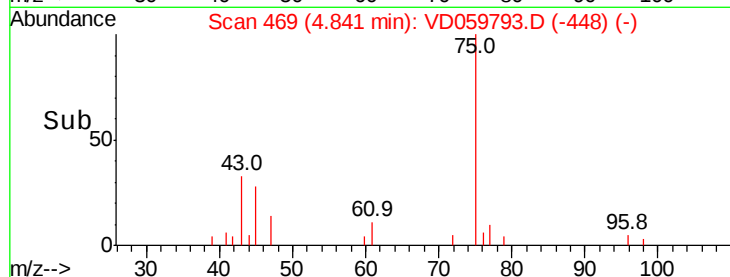
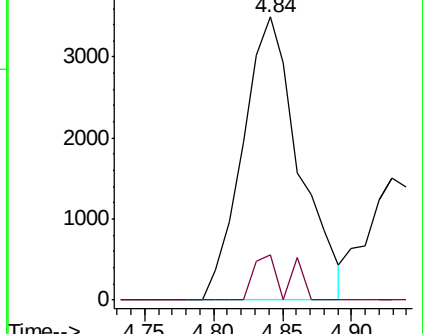
43 100

72 16.0 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: 2.168 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD059793.D

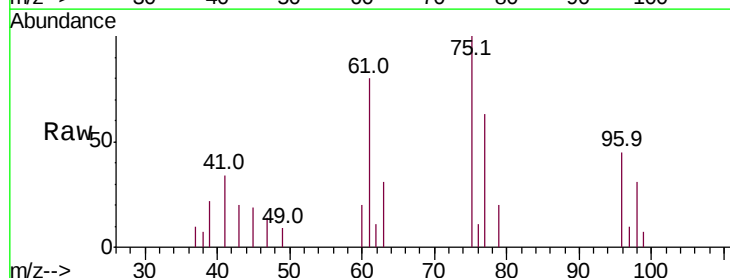
Acq: 15 Aug 2018 6:02

Tgt Ion: 77 Resp: 10147

Ion Ratio Lower Upper

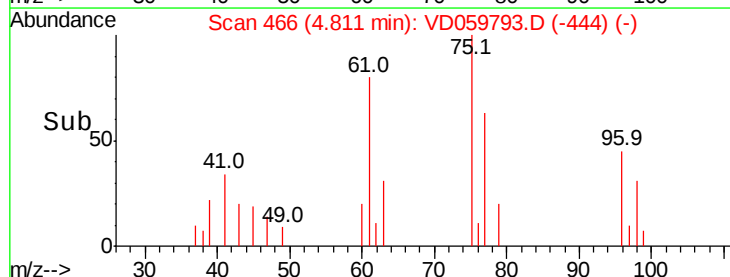
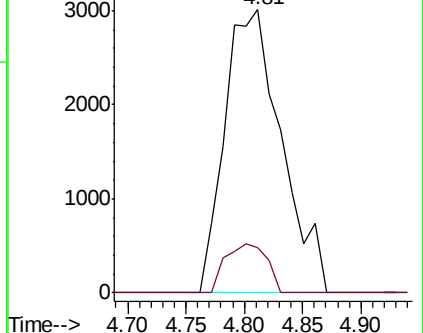
77 100

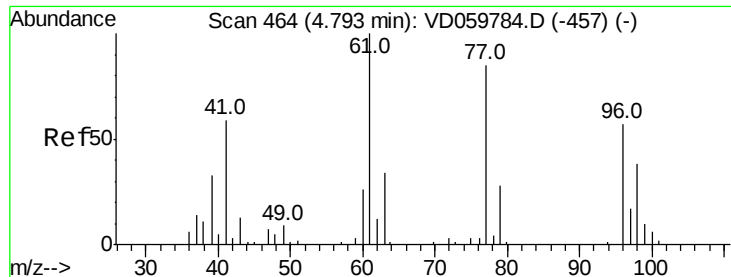
97 15.9 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



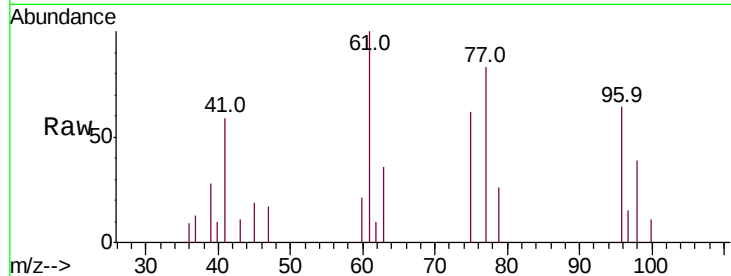


#27

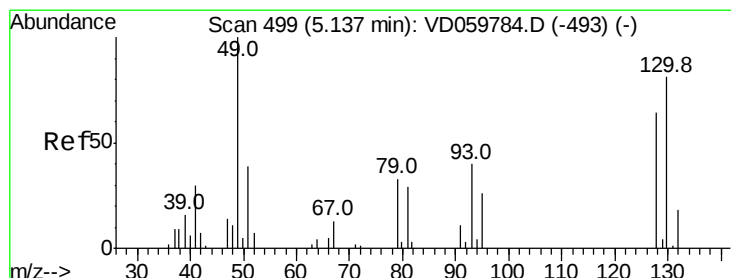
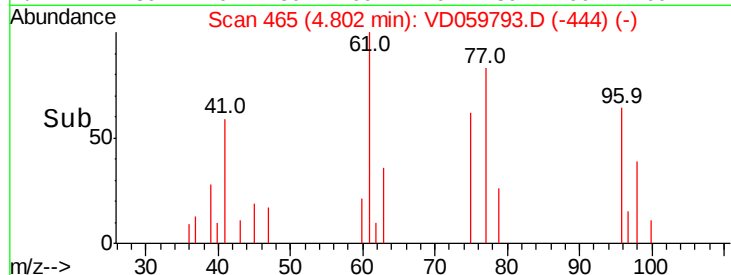
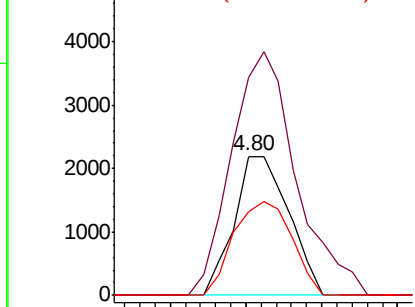
cis-1,2-Dichloroethene
 Concen: 2.009 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. 0.01 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 96 Resp: 5522
 Ion Ratio Lower Upper
 96 100
 61 156.4 0.0 351.6
 98 60.4 0.0 135.2



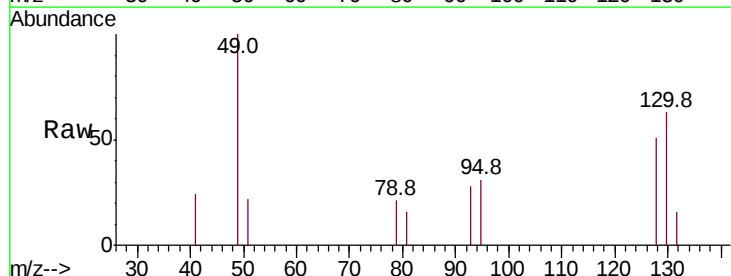
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



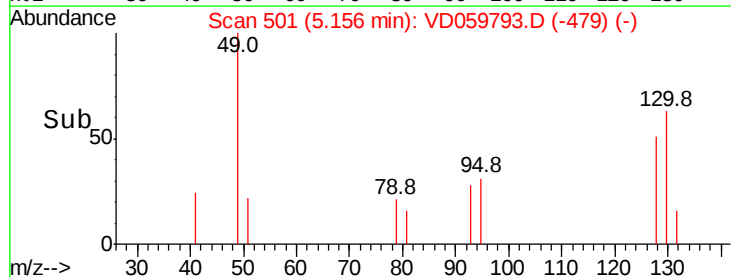
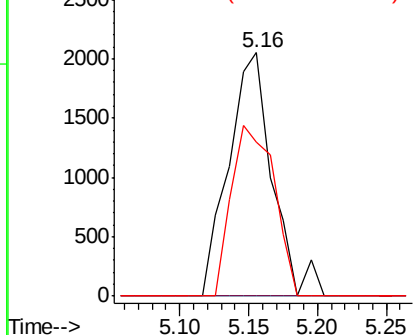
#28

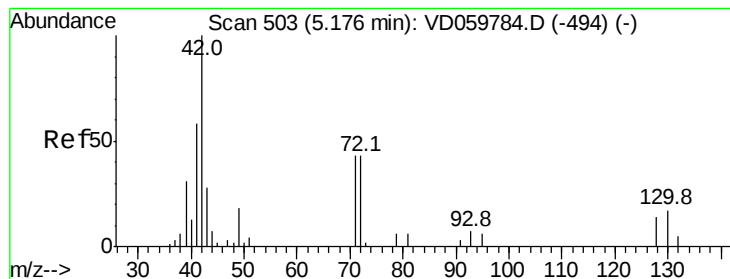
Bromochloromethane
 Concen: 2.252 ug/l
 RT: 5.16 min Scan# 501
 Delta R.T. 0.02 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Tgt Ion: 49 Resp: 4524
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 7.0
 130 63.0 64.8 97.2#



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





#29

Tetrahydrofuran

Concen: 10.664 ug/l

RT: 5.20 min Scan# 505

Delta R.T. 0.02 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

ClientSampleId :

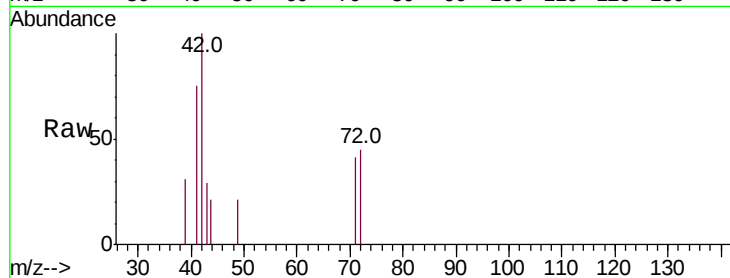
Tot Ion: 42 Resp: 3984

Ion Ratio Lower Upper

42 100

72 39.1 34.3 51.5

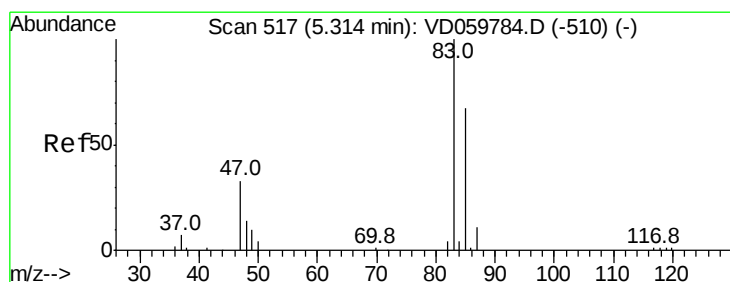
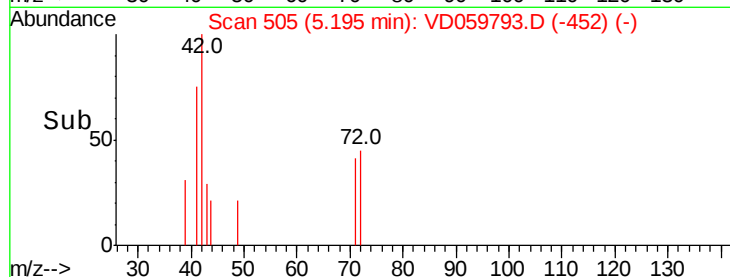
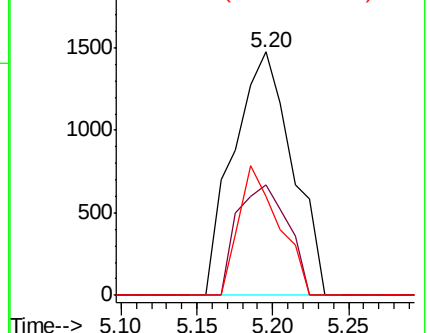
71 36.5 33.0 49.6



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: 2.167 ug/l

RT: 5.33 min Scan# 519

Delta R.T. 0.02 min

Lab File: VD059793.D

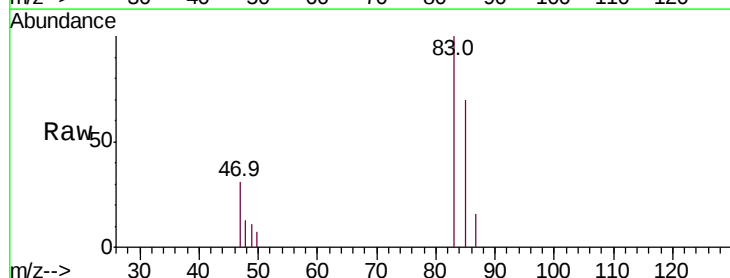
Acq: 15 Aug 2018 6:02

Tgt Ion: 83 Resp: 13318

Ion Ratio Lower Upper

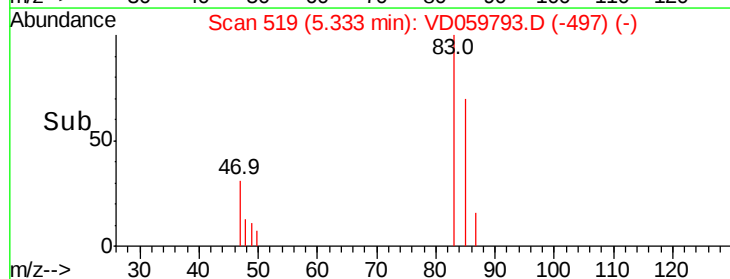
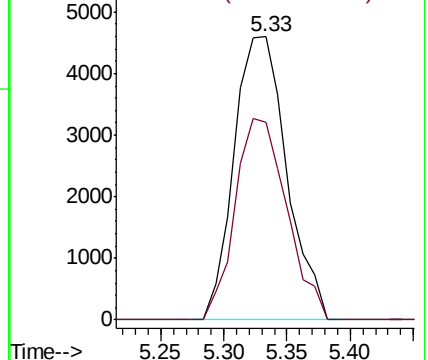
83 100

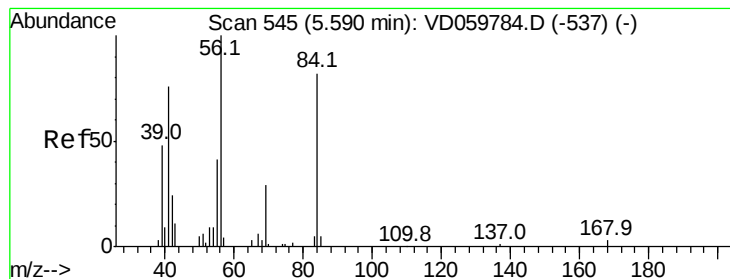
85 69.8 53.4 80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 4.154 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.03 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :
MSVOA_D
ClientSampled :

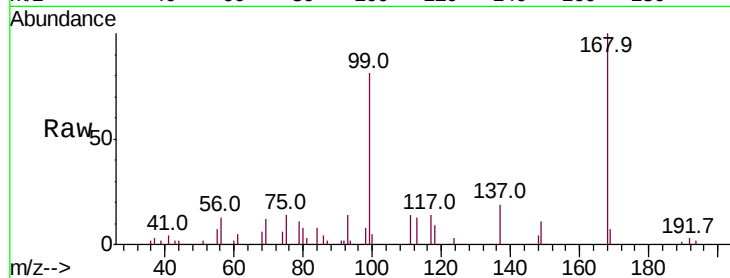
Tot Ion: 56 Resp: 15295

Ion Ratio Lower Upper

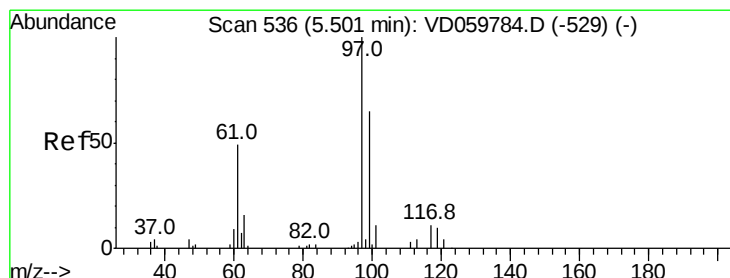
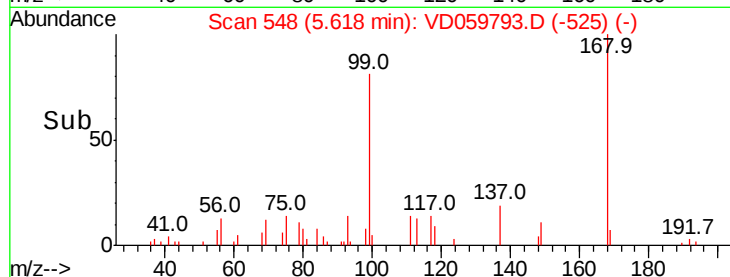
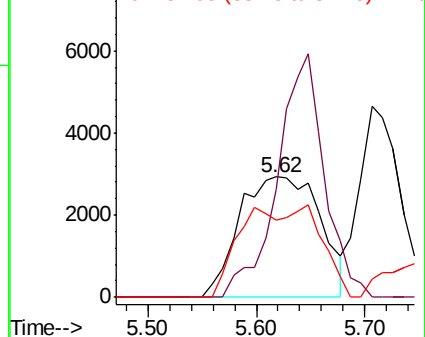
56 100

69 89.3 23.4 35.2#

84 64.2 65.4 98.2#



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



#32

1,1,1-Trichloroethane

Concen: 2.073 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.02 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

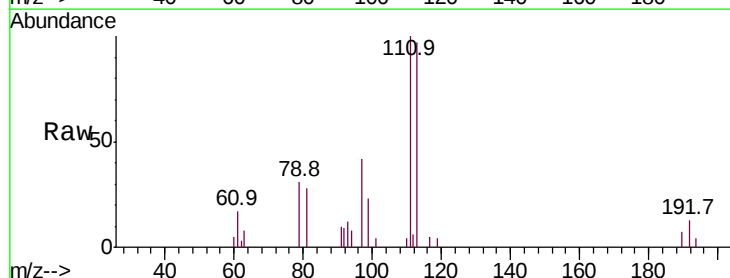
Tgt Ion: 97 Resp: 11206

Ion Ratio Lower Upper

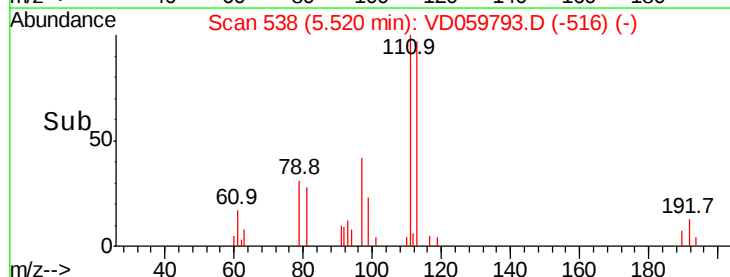
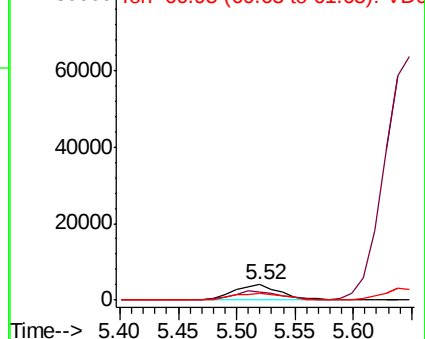
97 100

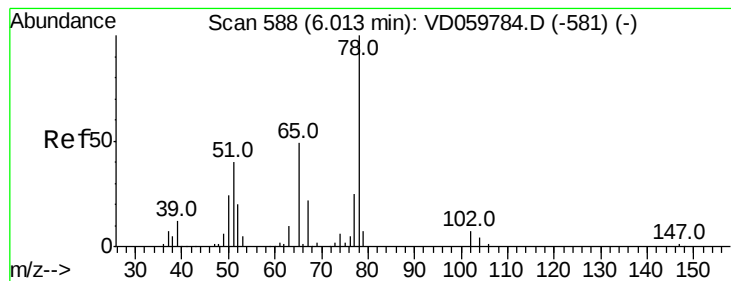
99 54.5 52.2 78.2

61 40.9 39.6 59.4



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





#33

1,2-Dichloroethane-d4

Concen: 2.073 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

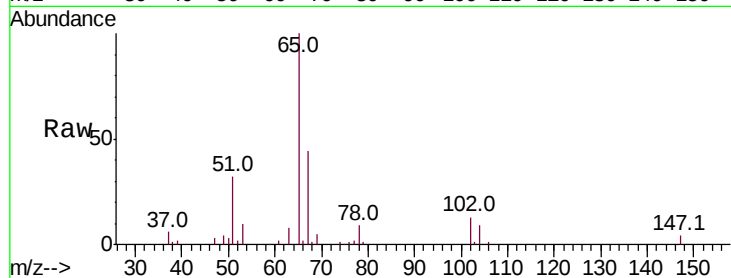
ClientSampleId :

Tot Ion: 65 Resp: 194811

Ion Ratio Lower Upper

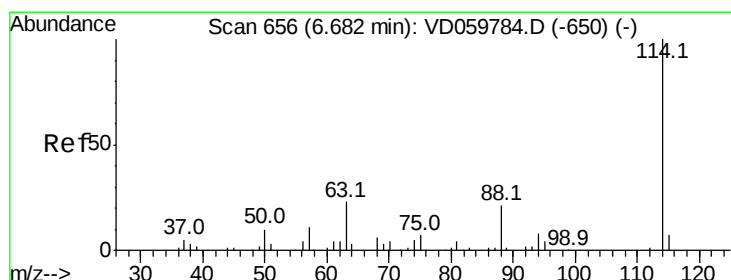
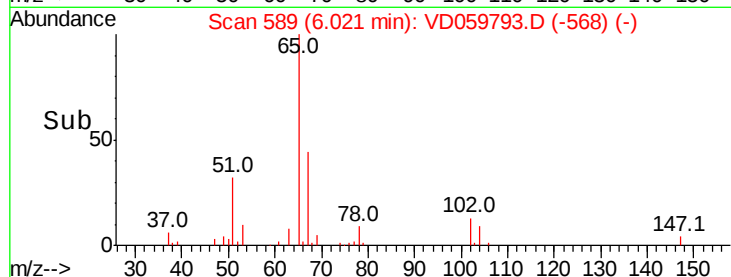
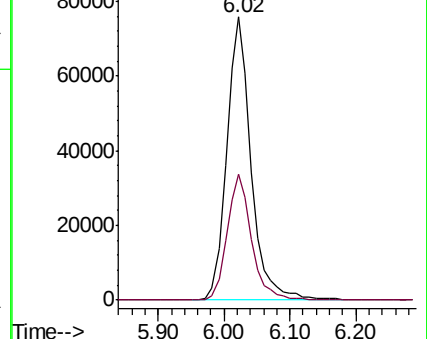
65 100

67 44.4 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: 6.69 min Scan# 657

Delta R.T. 0.01 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

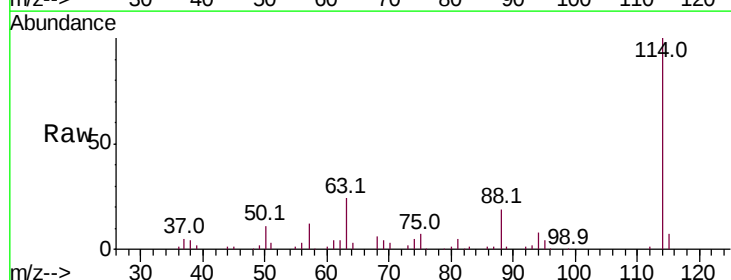
Tgt Ion: 114 Resp: 375773

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.0

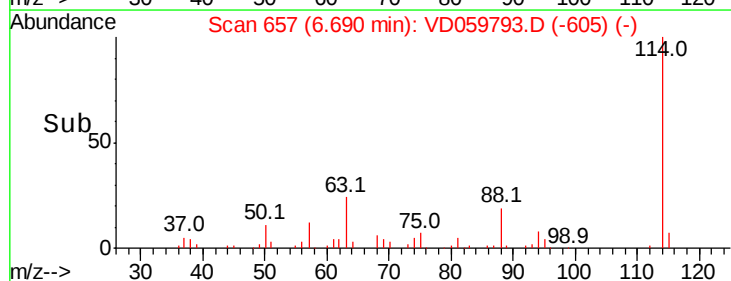
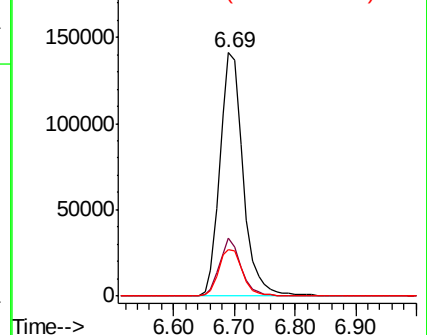
88 18.9 0.0 41.2

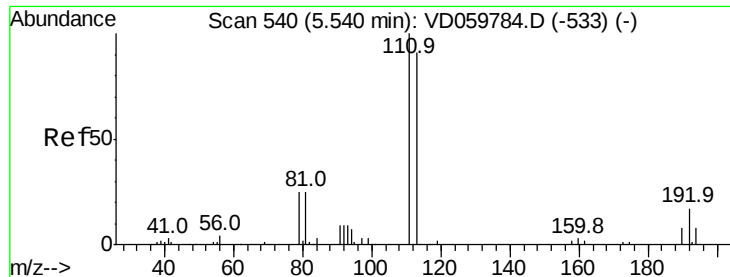


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

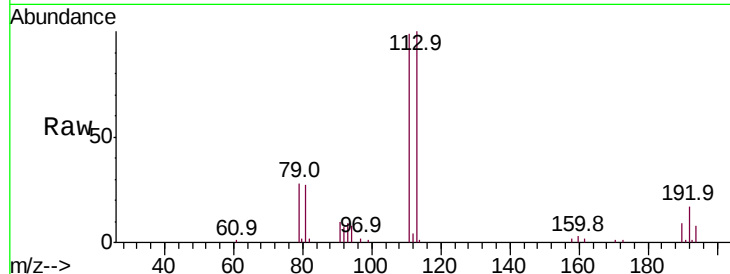




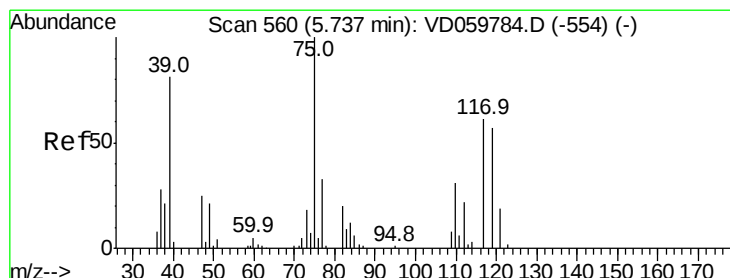
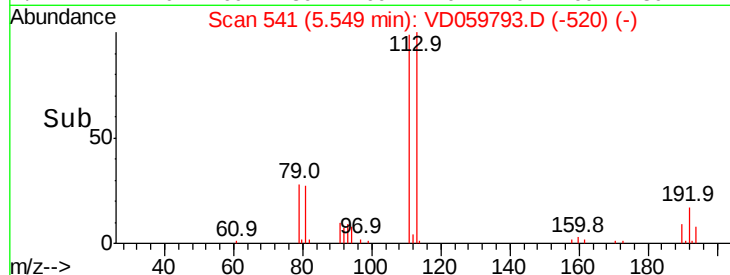
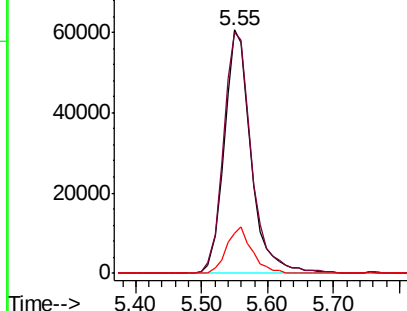
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. 0.01 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 172113
 Ion Ratio Lower Upper
 113 100
 111 98.8 87.7 131.5
 192 16.5 14.6 21.8

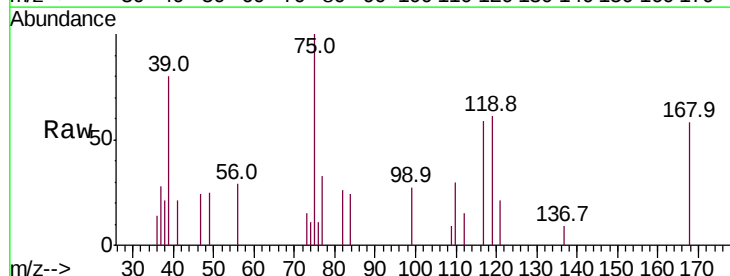


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

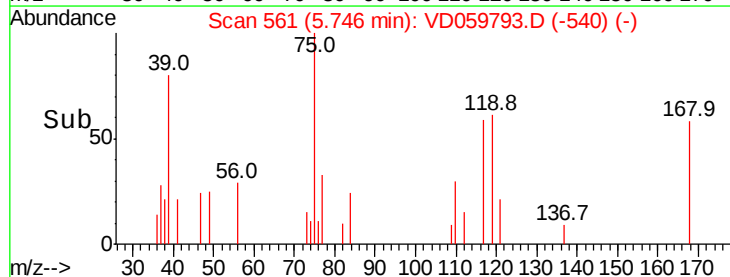
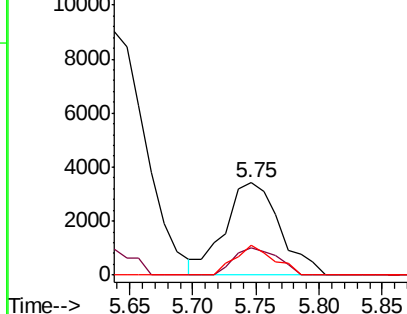


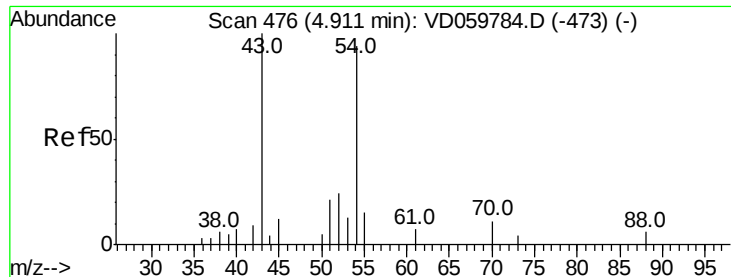
#36
 1,1-Dichloropropene
 Concen: 2.674 ug/l
 RT: 5.75 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Tgt Ion: 75 Resp: 10310
 Ion Ratio Lower Upper
 75 100
 110 30.0 15.3 45.8
 77 32.5 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

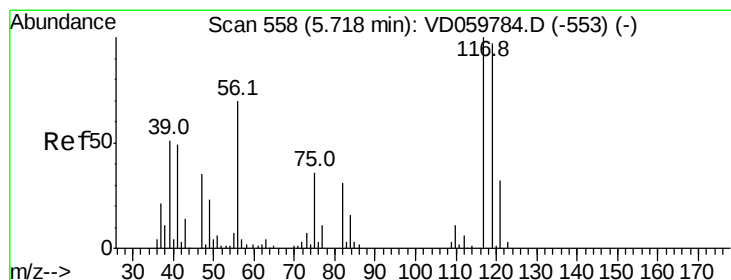
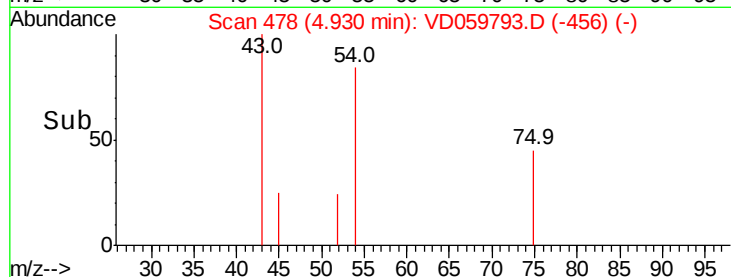
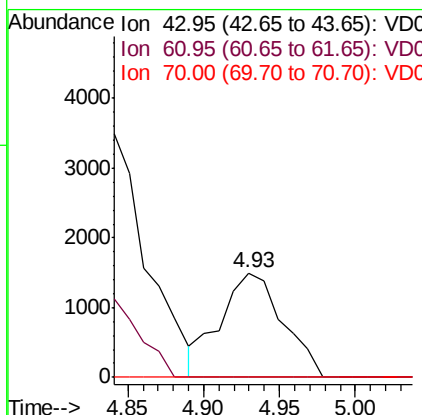
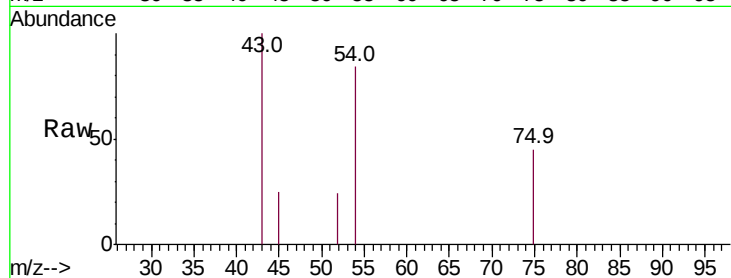




#37
Ethyl Acetate
Concen: 2.237 ug/l
RT: 4.93 min Scan# 478
Delta R.T. 0.02 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

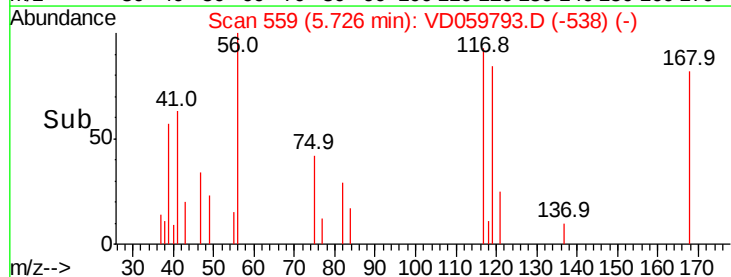
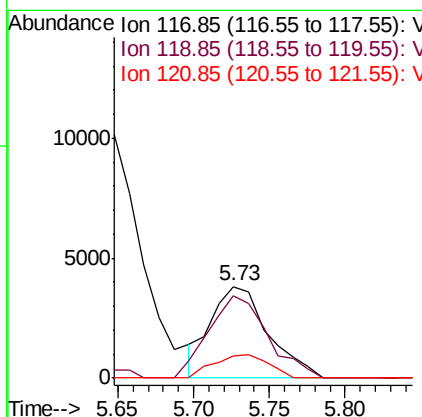
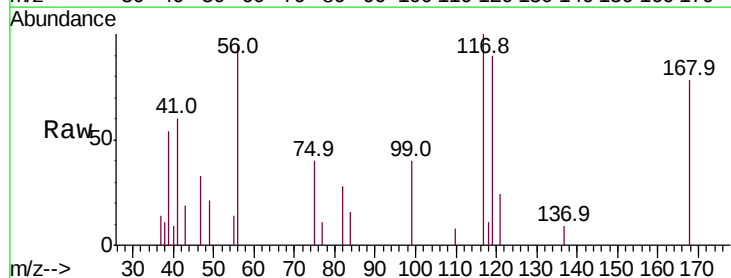
Instrument :
MSVOA_D
ClientSampled :

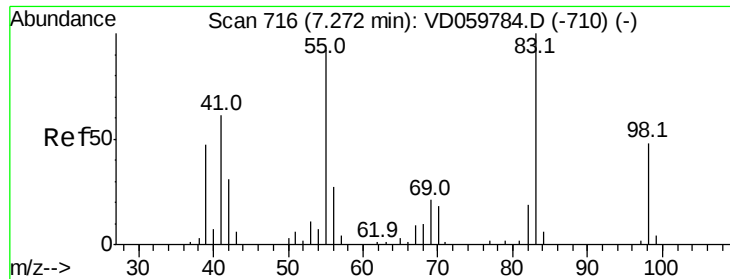
Tot Ion: 43 Resp: 4313
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.2#
70 0.0 5.8 8.8#



#38
Carbon Tetrachloride
Concen: 2.146 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

Tgt Ion: 117 Resp: 9980
Ion Ratio Lower Upper
117 100
119 89.5 75.7 113.5
121 23.7 24.7 37.1#

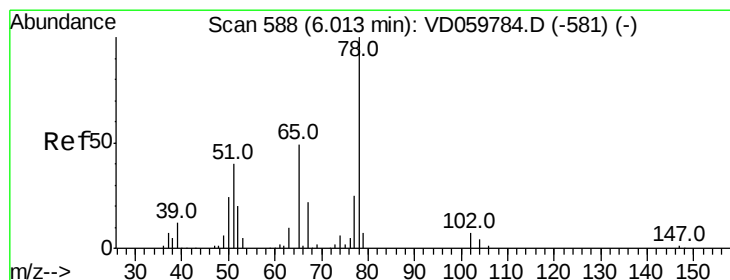
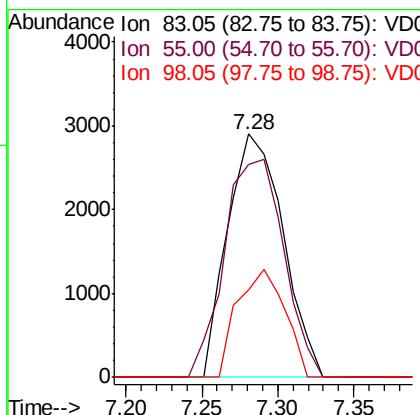
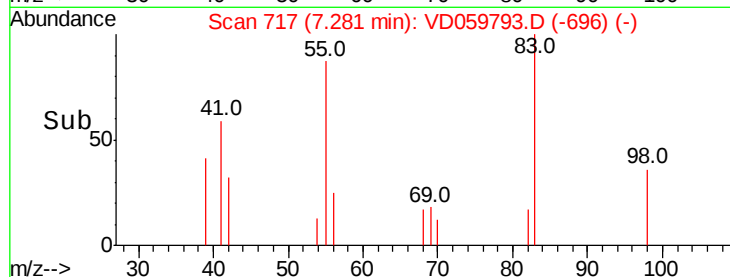
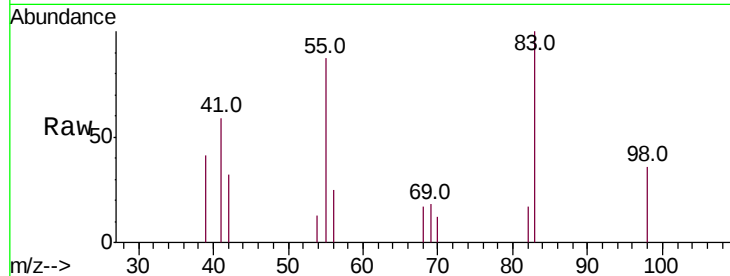




#39
Methylcyclohexane
Concen: 2.225 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

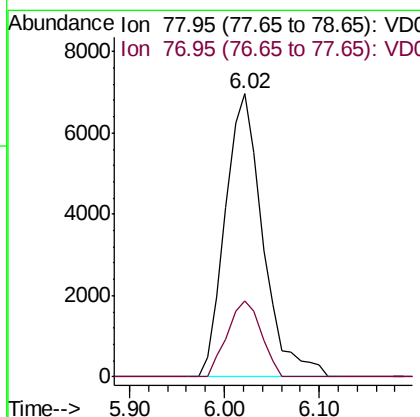
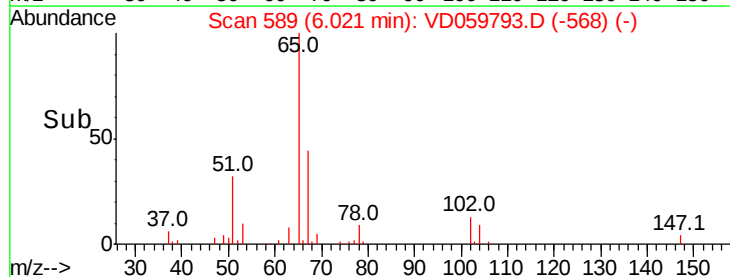
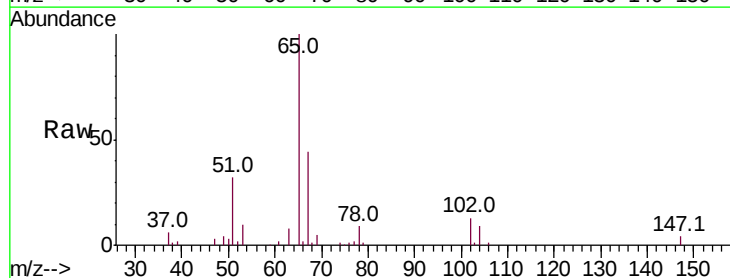
Instrument :
MSVOA_D
ClientSampleId :

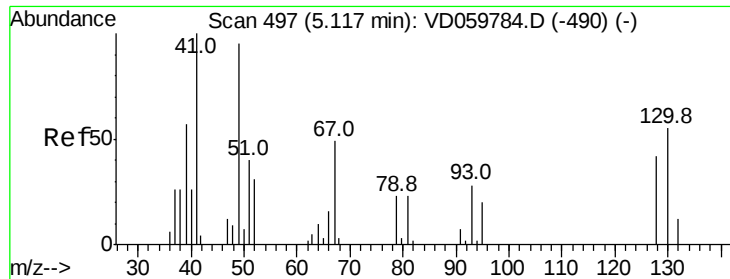
Tot Ion: 83 Resp: 7419
Ion Ratio Lower Upper
83 100
55 87.3 73.8 110.6
98 35.8 38.4 57.6#



#40
Benzene
Concen: 2.347 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.01 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

Tgt Ion: 78 Resp: 19193
Ion Ratio Lower Upper
78 100
77 26.7 19.6 29.4

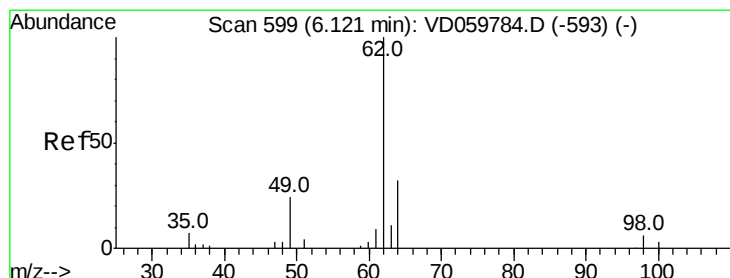
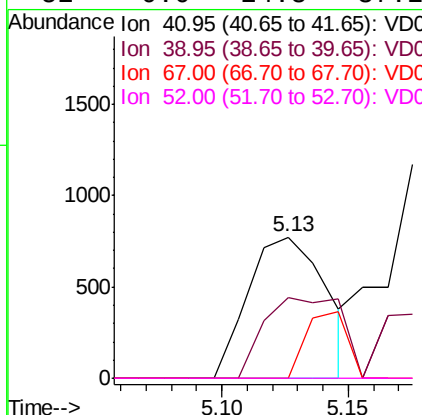
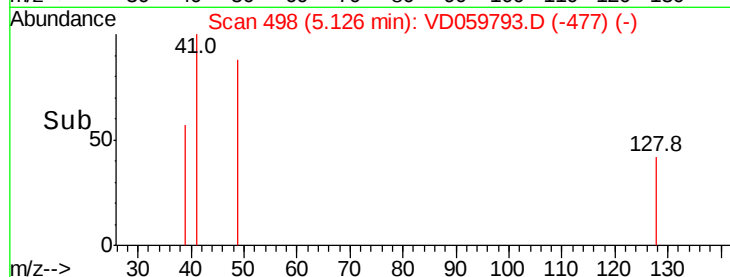
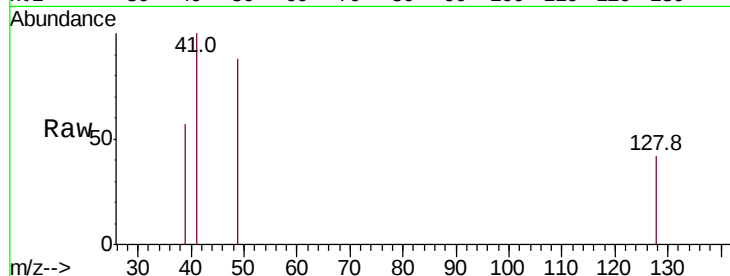




#41
Methacrylonitrile
Concen: 1.803 ug/l
RT: 5.13 min Scan# 498
Delta R.T. 0.01 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

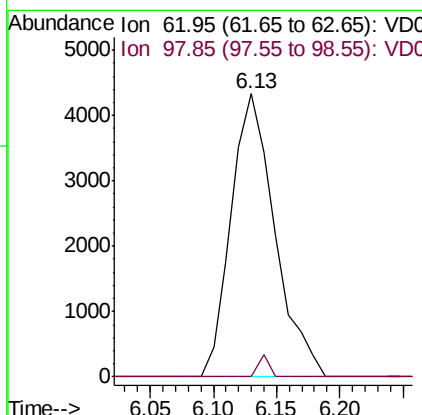
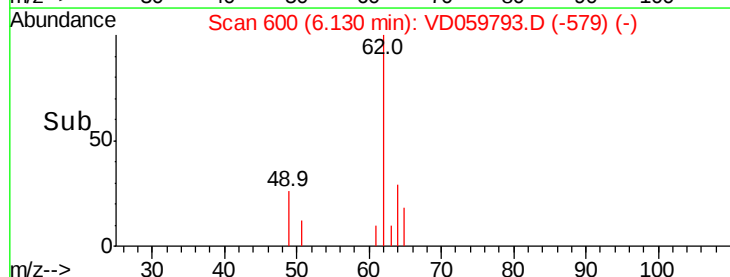
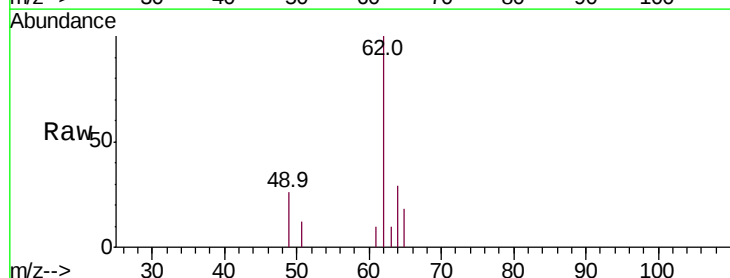
Instrument :
MSVOA_D
ClientSampleId :

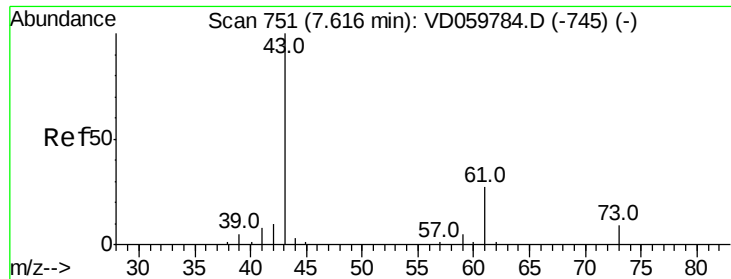
Tot Ion: 41 Resp: 1663
Ion Ratio Lower Upper
41 100
39 57.0 45.4 68.2
67 0.0 39.5 59.3#
52 0.0 24.8 37.2#



#42
1,2-Dichloroethane
Concen: 2.348 ug/l
RT: 6.13 min Scan# 600
Delta R.T. 0.01 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

Tgt Ion: 62 Resp: 10393
Ion Ratio Lower Upper
62 100
98 0.0 0.0 12.0





#43

Isopropyl Acetate

Concen: 2.144 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.00 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

ClientSampleId :

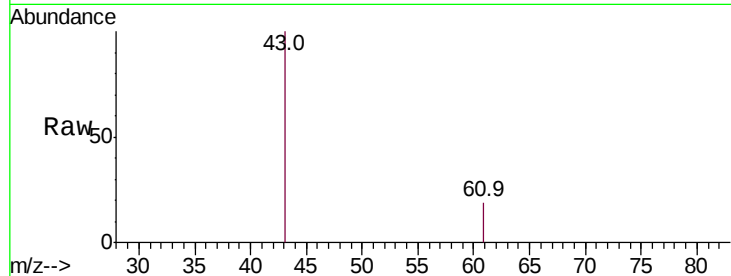
Tot Ion: 43 Resp: 5220

Ion Ratio Lower Upper

43 100

61 19.1 21.2 31.8#

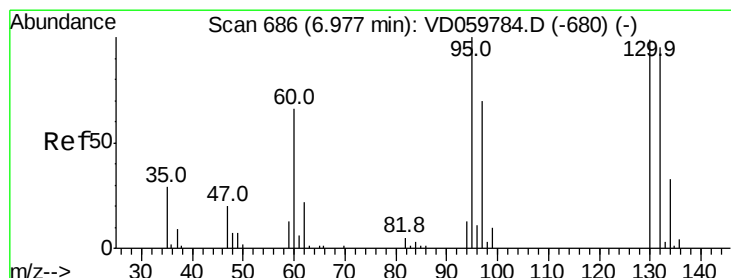
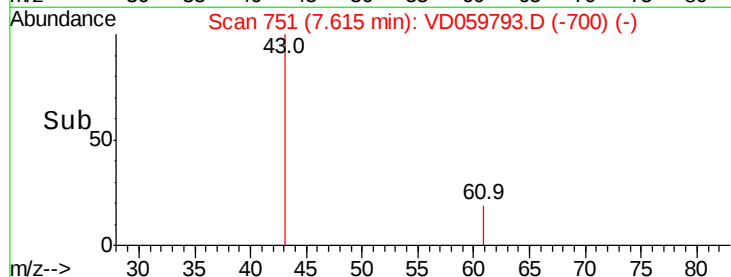
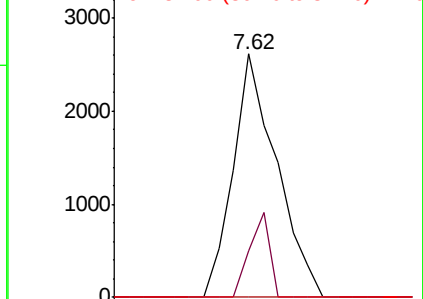
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 2.207 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.01 min

Lab File: VD059793.D

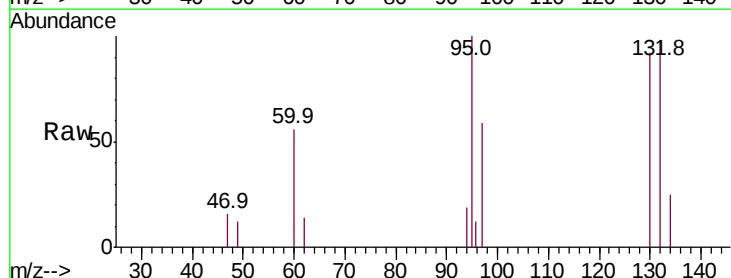
Acq: 15 Aug 2018 6:02

Tgt Ion:130 Resp: 6181

Ion Ratio Lower Upper

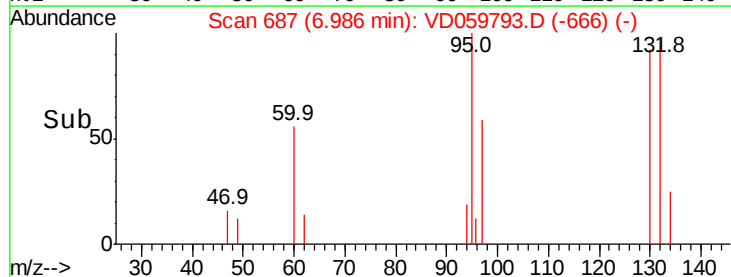
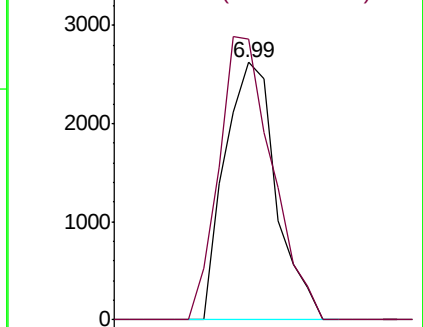
130 100

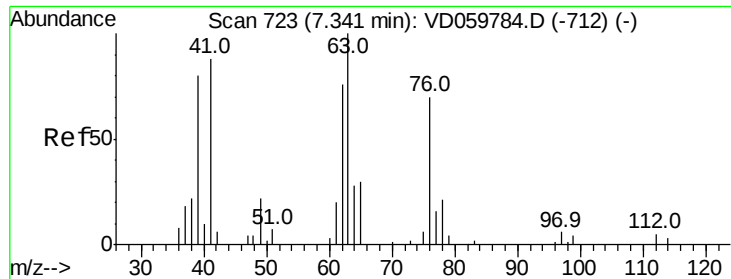
95 109.2 0.0 201.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 2.143 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.02 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

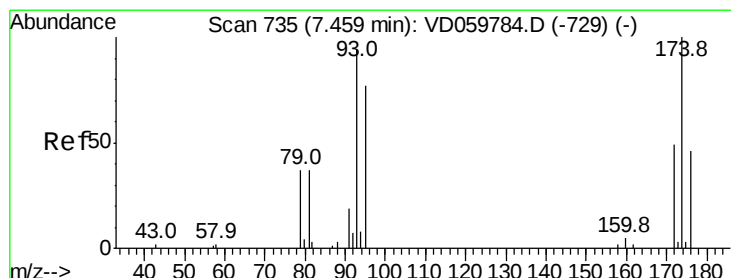
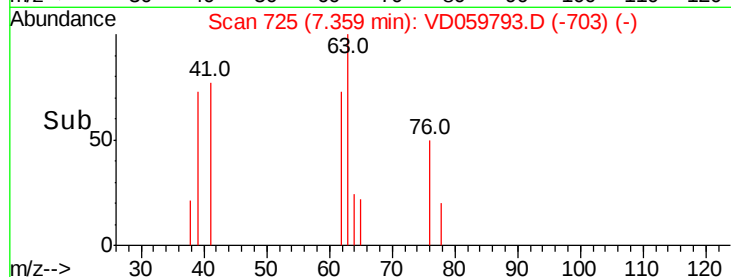
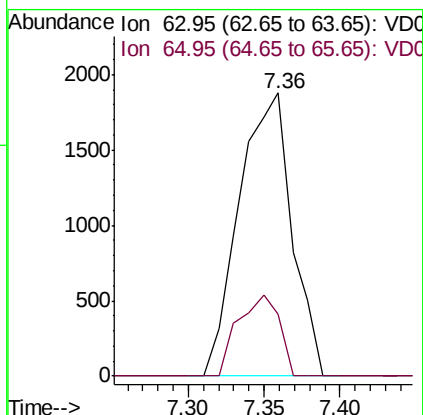
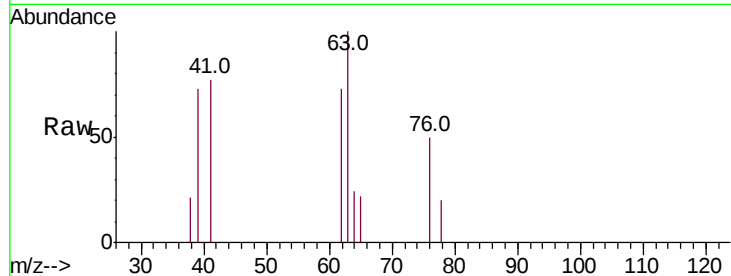
ClientSampleId :

Tot Ion: 63 Resp: 4556

Ion Ratio Lower Upper

63 100

65 22.1 24.2 36.4#



#46

Dibromomethane

Concen: 1.894 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

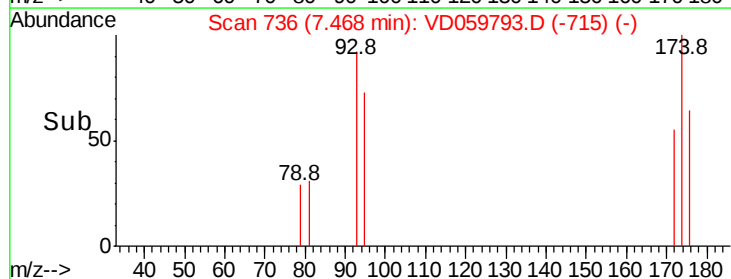
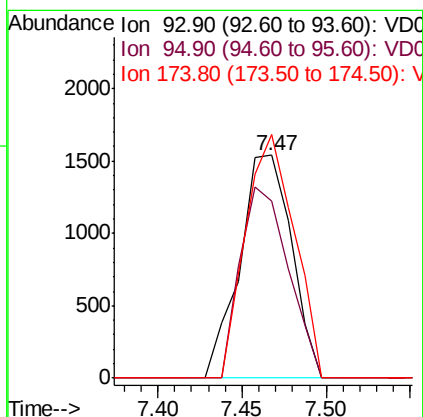
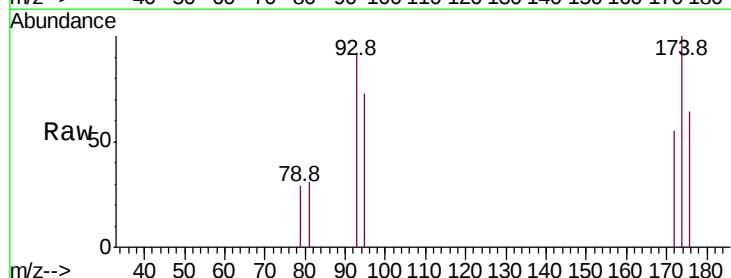
Tgt Ion: 93 Resp: 3292

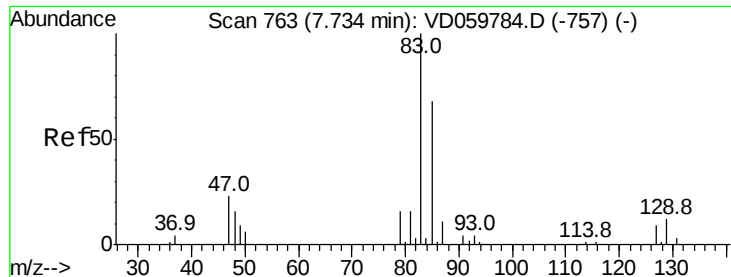
Ion Ratio Lower Upper

93 100

95 79.4 66.2 99.4

174 109.2 85.5 128.3





#47

Bromodichloromethane

Concen: 1.992 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

ClientSampled :

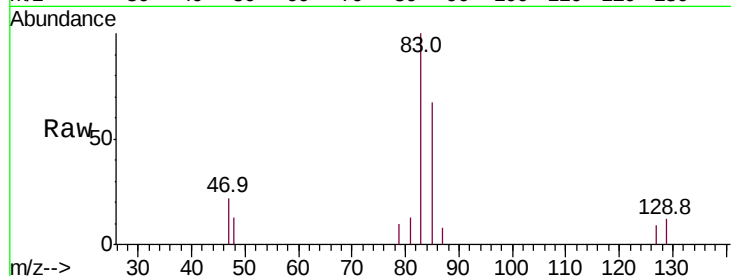
Tot Ion: 83 Resp: 8484

Ion Ratio Lower Upper

83 100

85 67.5 54.1 81.1

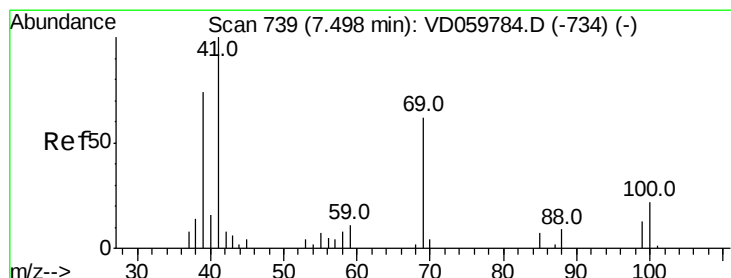
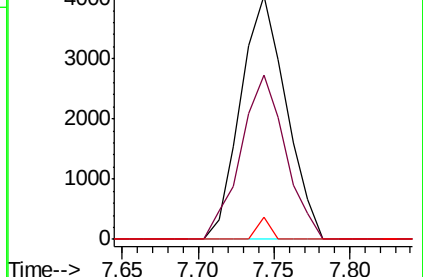
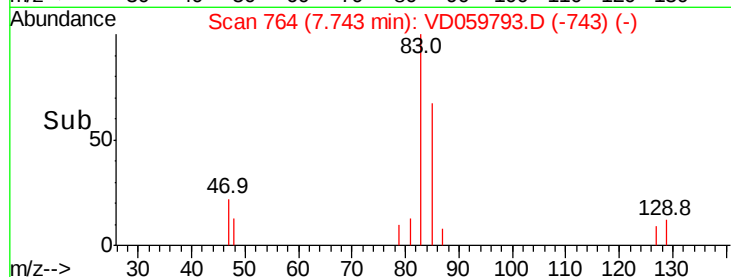
127 9.2 7.5 11.3



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: 1.769 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

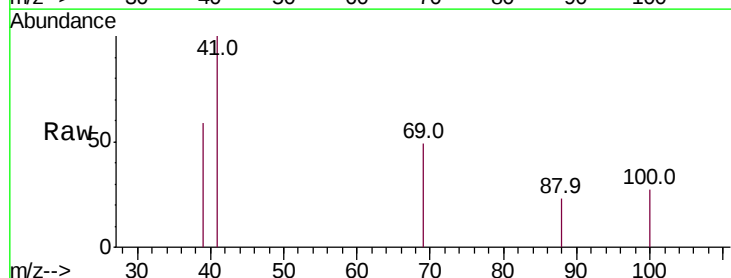
Tgt Ion: 41 Resp: 2811

Ion Ratio Lower Upper

41 100

69 48.8 49.8 74.8#

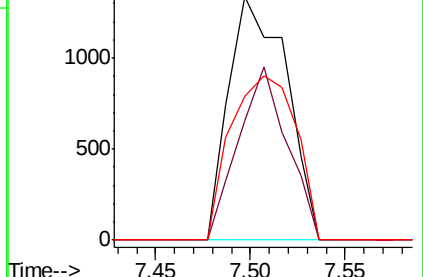
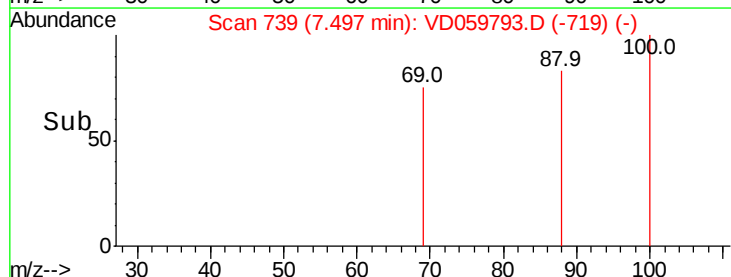
39 58.9 59.0 88.4#

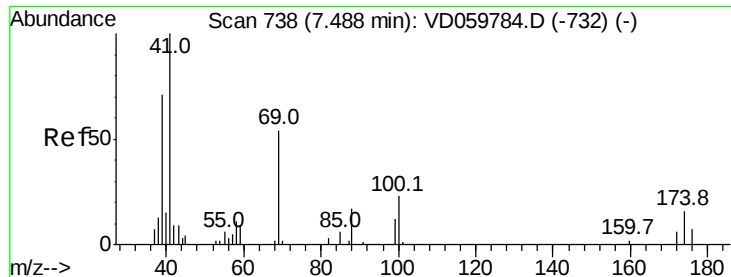


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

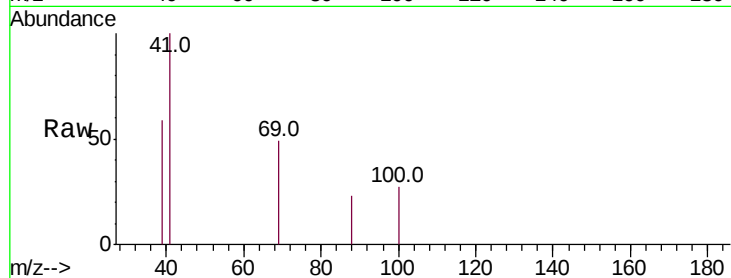




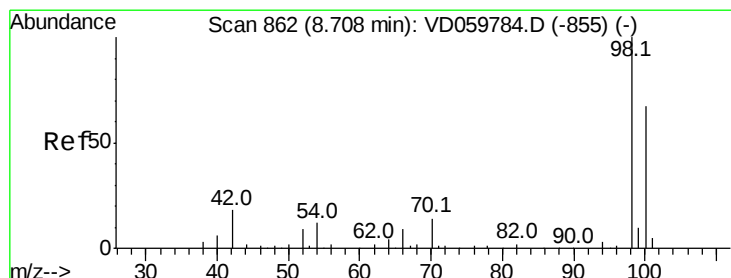
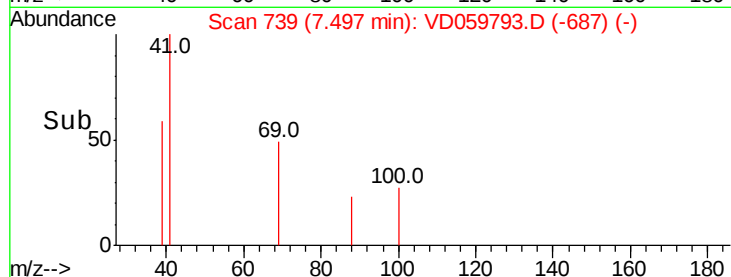
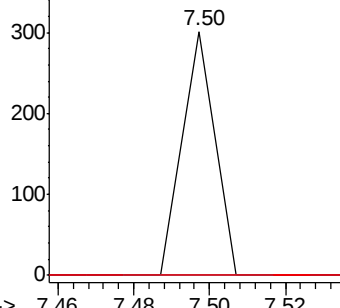
#49
 1,4-Dioxane
 Concen: 12.721 ug/l
 RT: 7.50 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 178
 Ion Ratio Lower Upper
 88 100
 43 0.0 42.0 63.0#
 58 0.0 51.4 77.0#

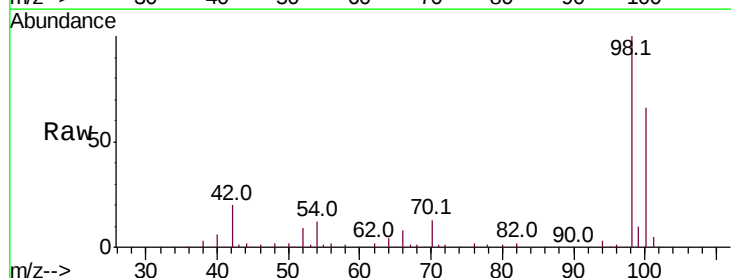


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

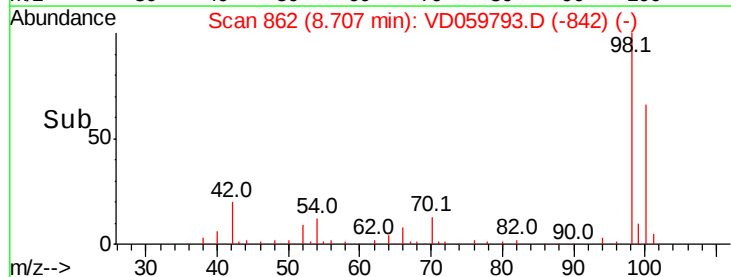
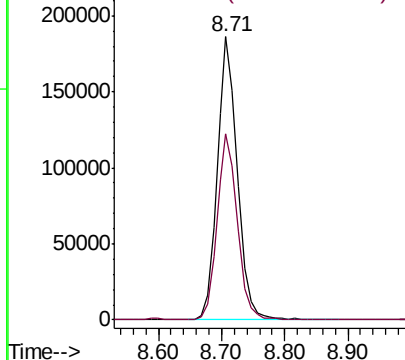


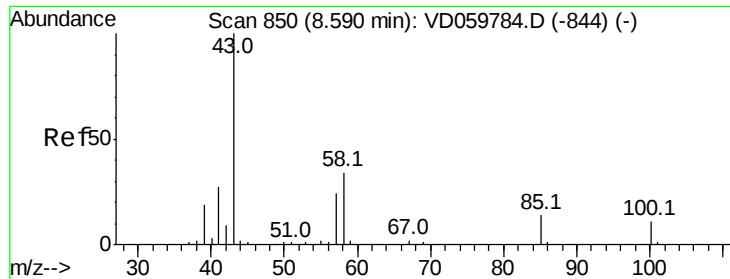
#50
 Toluene-d8
 Concen: 12.721 ug/l
 RT: 8.71 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Tgt Ion: 98 Resp: 414363
 Ion Ratio Lower Upper
 98 100
 100 65.6 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: 10.529 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

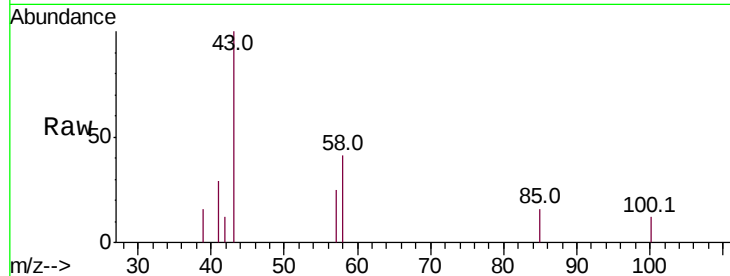
ClientSampled :

Tot Ion: 43 Resp: 19380

Ion Ratio Lower Upper

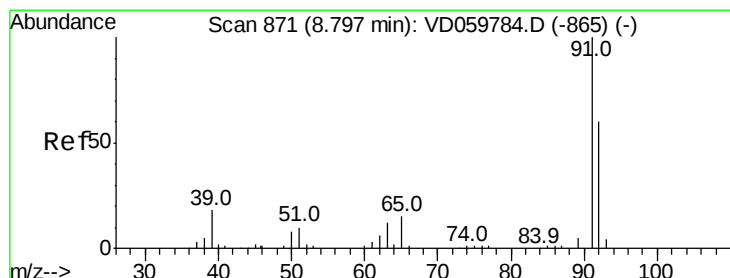
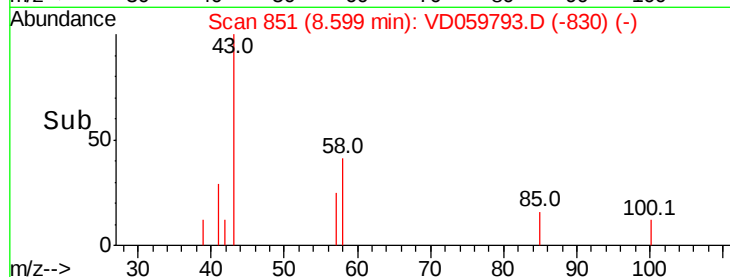
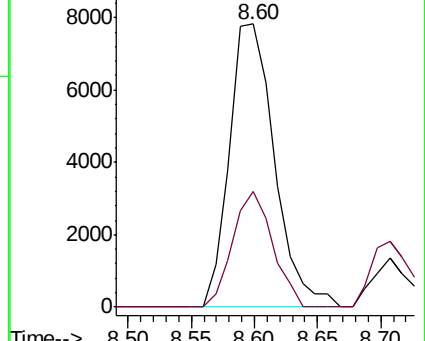
43 100

58 40.7 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 2.531 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD059793.D

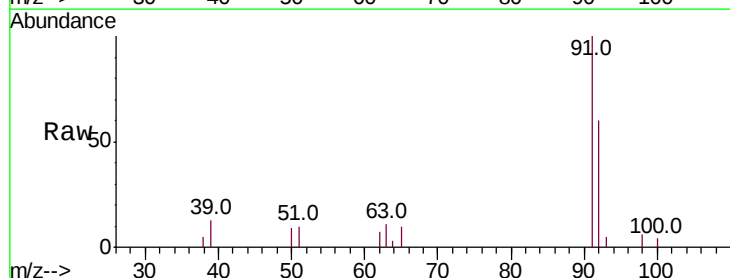
Acq: 15 Aug 2018 6:02

Tgt Ion: 92 Resp: 13258

Ion Ratio Lower Upper

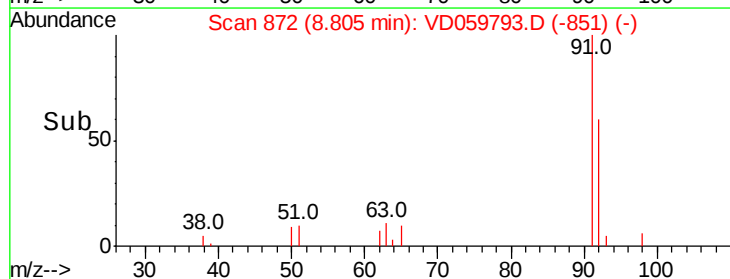
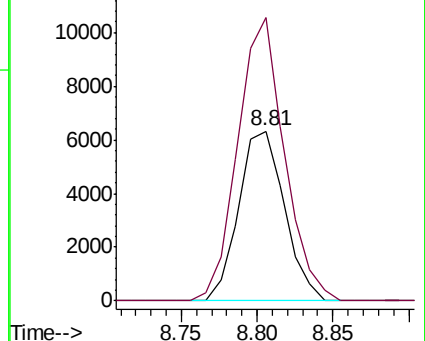
92 100

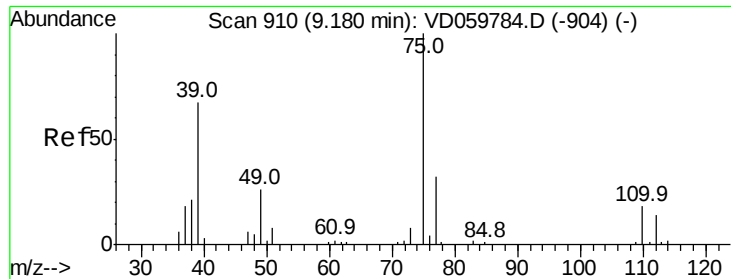
91 166.9 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

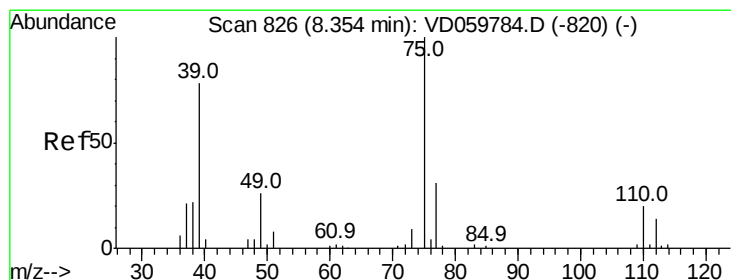
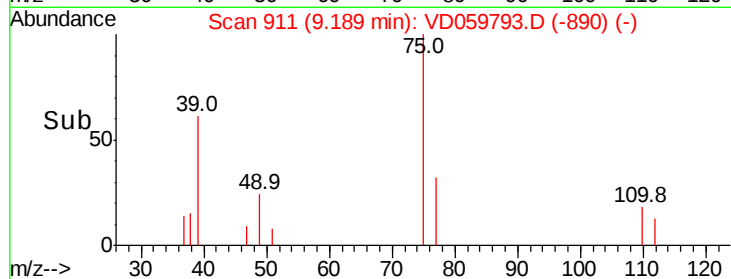
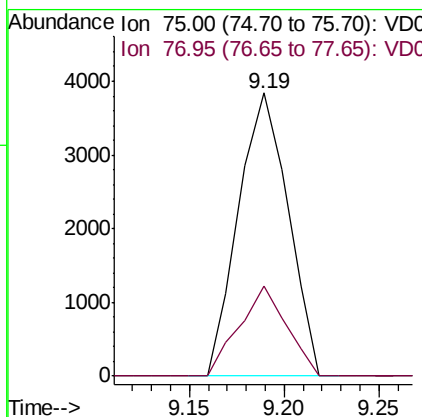
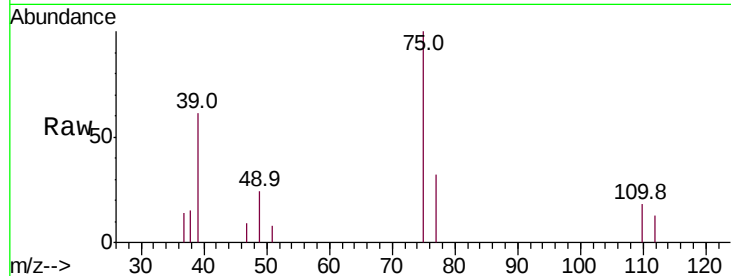




#53
 t-1,3-Dichloropropene
 Concen: 1.978 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

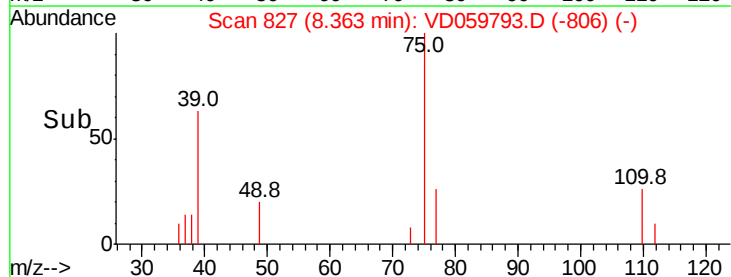
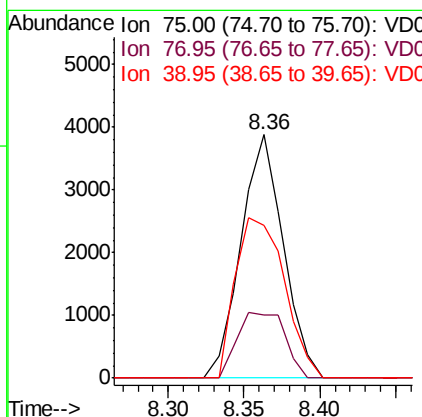
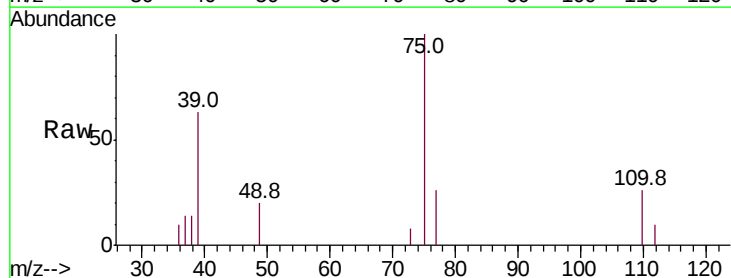
Instrument :
 MSVOA_D
 ClientSampleId :

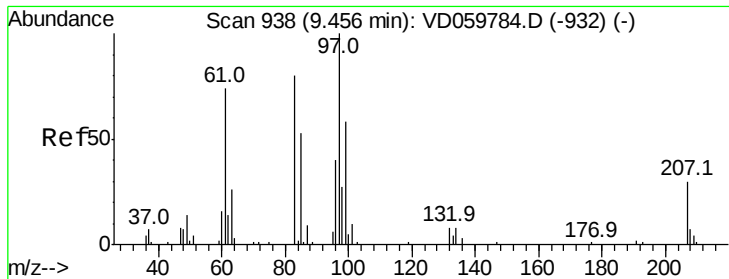
Tot Ion: 75 Resp: 6987
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 1.982 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. 0.01 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Tgt Ion: 75 Resp: 7565
 Ion Ratio Lower Upper
 75 100
 77 26.0 24.8 37.2
 39 62.5 62.5 93.7





#55

1,1,2-Trichloroethane

Concen: 2.547 ug/l

RT: 9.45 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 4926

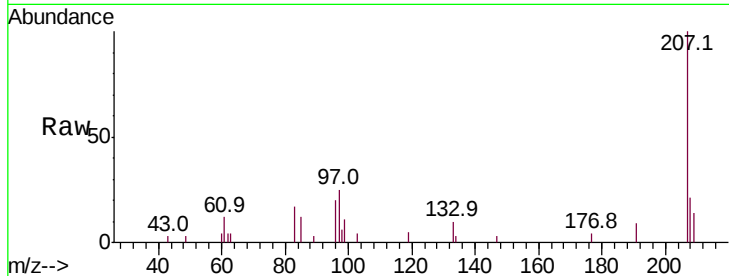
Ion Ratio Lower Upper

97 100

83 71.2 63.8 95.8

85 49.0 42.5 63.7

99 46.7 46.2 69.4

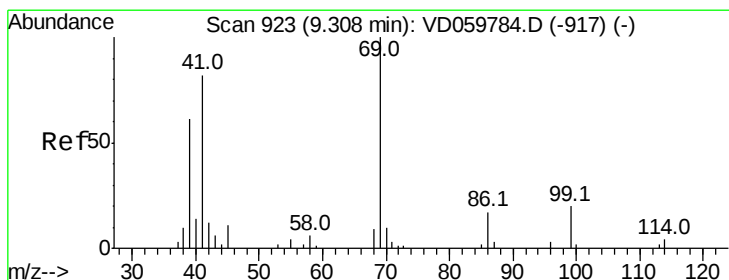
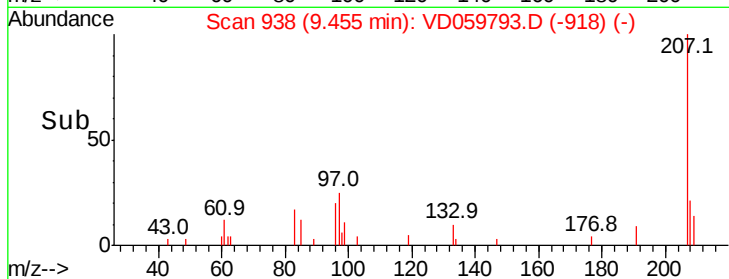
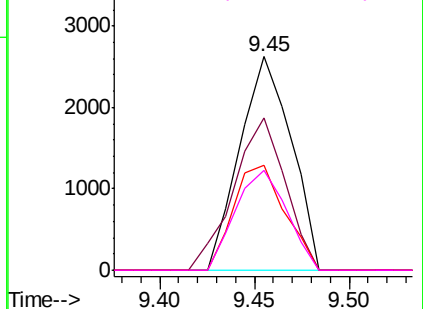


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 1.994 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

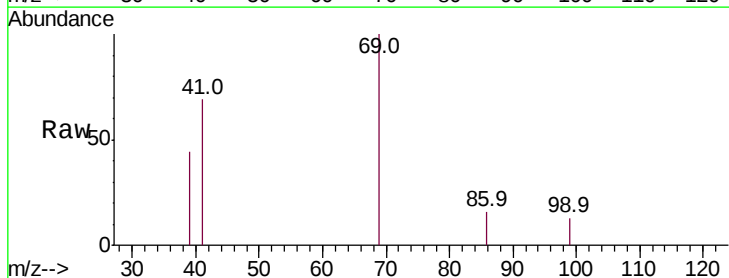
Tgt Ion: 69 Resp: 4176

Ion Ratio Lower Upper

69 100

41 69.0 65.8 98.8

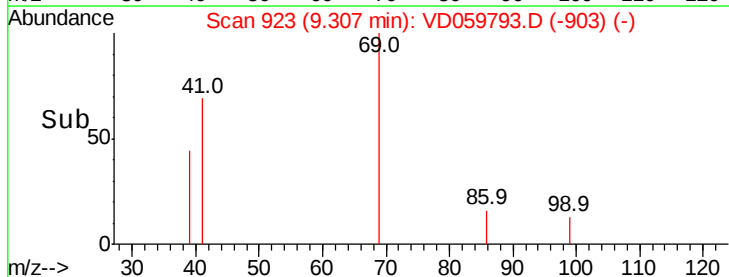
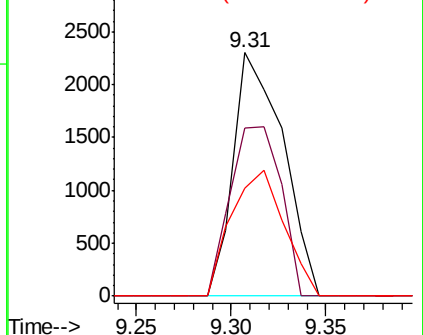
39 44.2 49.7 74.5#

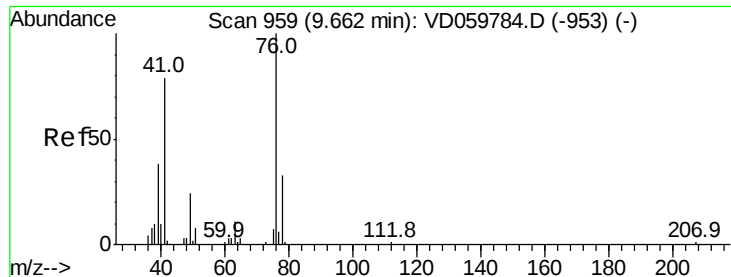


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 2.392 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

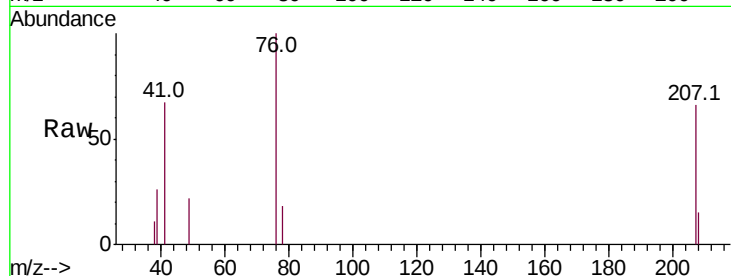
ClientSampleId :

Tot Ion: 76 Resp: 7247

Ion Ratio Lower Upper

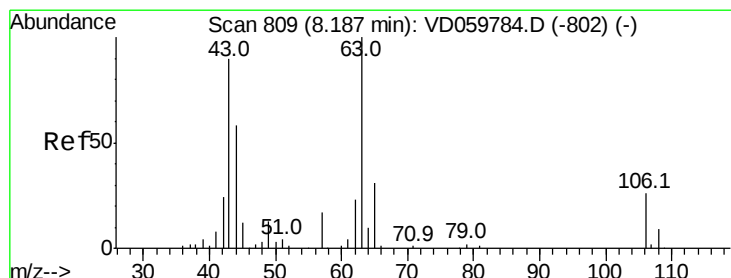
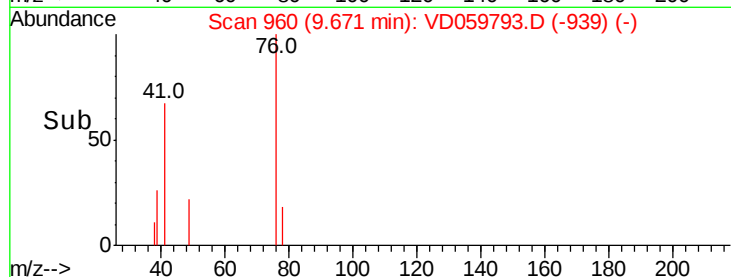
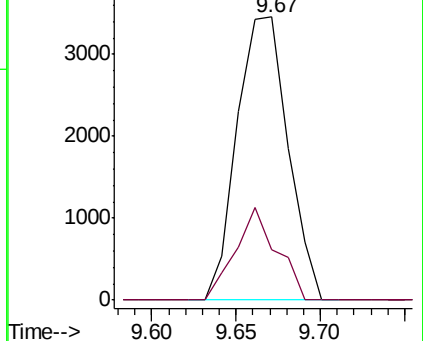
76 100

78 17.7 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: 11.015 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD059793.D

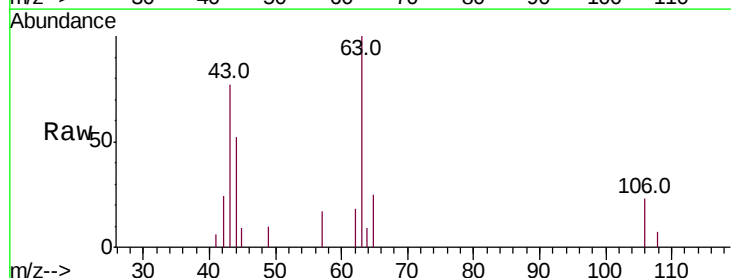
Acq: 15 Aug 2018 6:02

Tgt Ion: 63 Resp: 11403

Ion Ratio Lower Upper

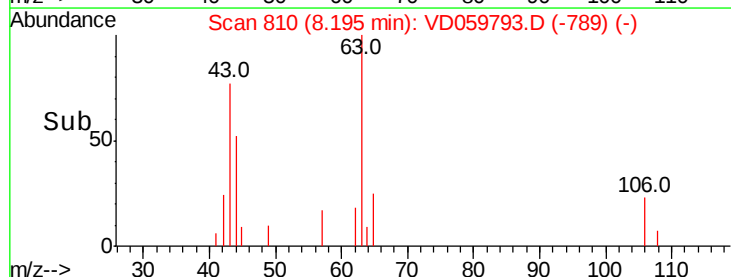
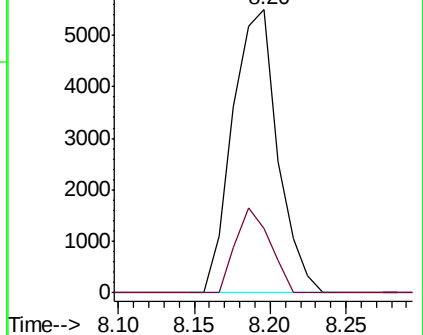
63 100

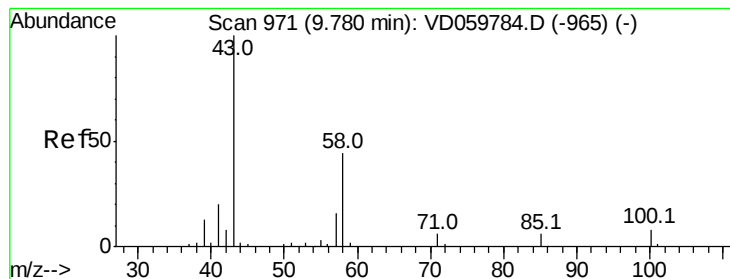
106 23.0 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





#59

2-Hexanone

Concen: 9.185 ug/l

RT: 9.79 min Scan# 972

Delta R.T. 0.01 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

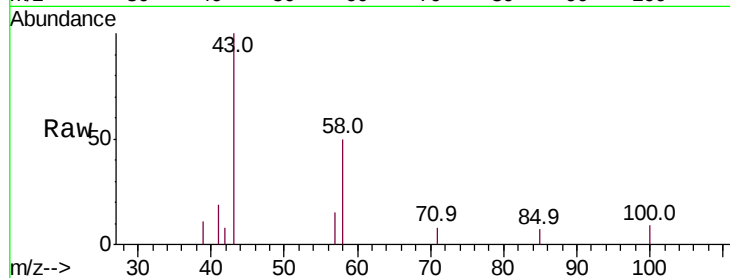
ClientSampleId :

Tot Ion: 43 Resp: 12123

Ion Ratio Lower Upper

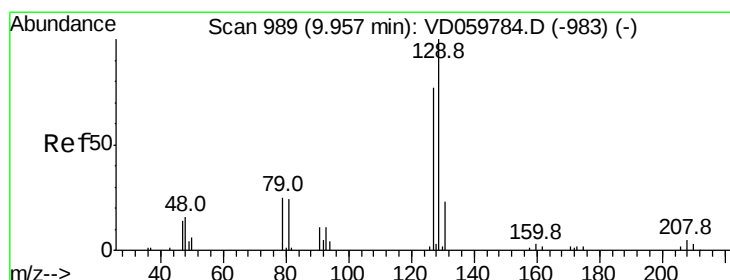
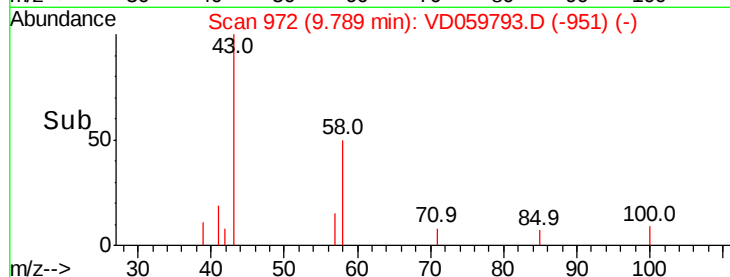
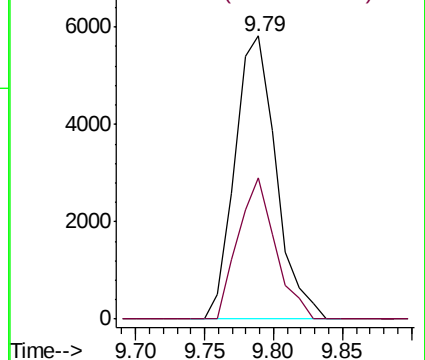
43 100

58 50.1 22.3 66.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 1.832 ug/l

RT: 9.96 min Scan# 989

Delta R.T. -0.00 min

Lab File: VD059793.D

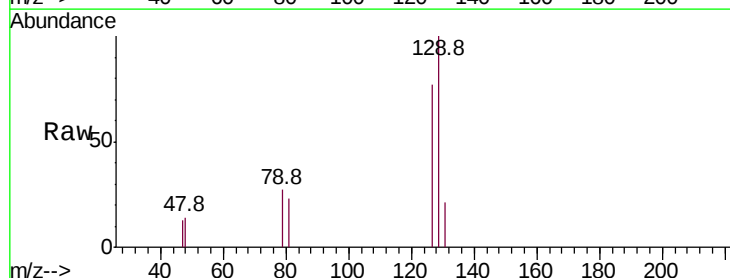
Acq: 15 Aug 2018 6:02

Tgt Ion: 129 Resp: 5145

Ion Ratio Lower Upper

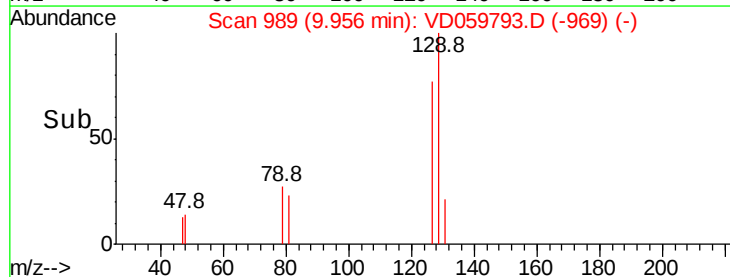
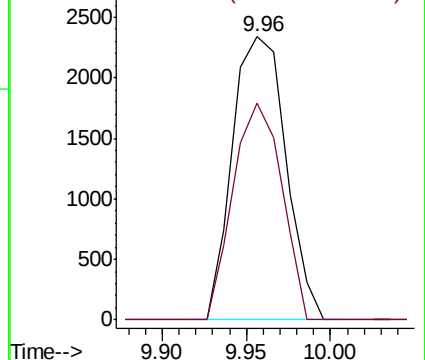
129 100

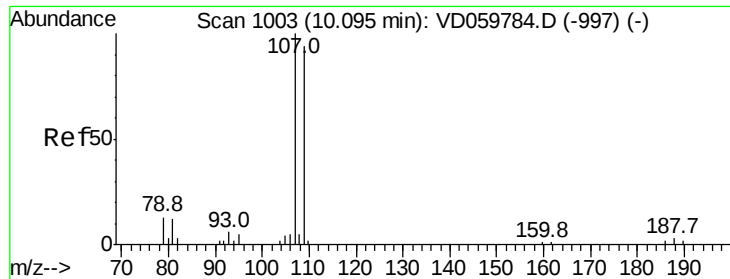
127 76.8 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

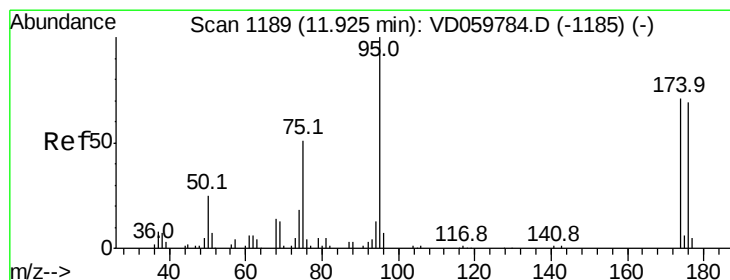
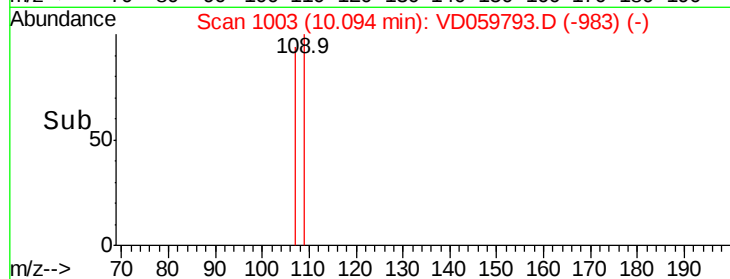
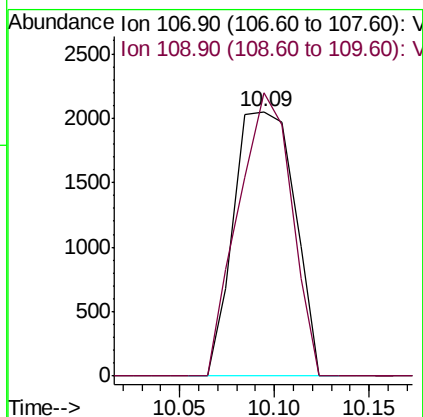
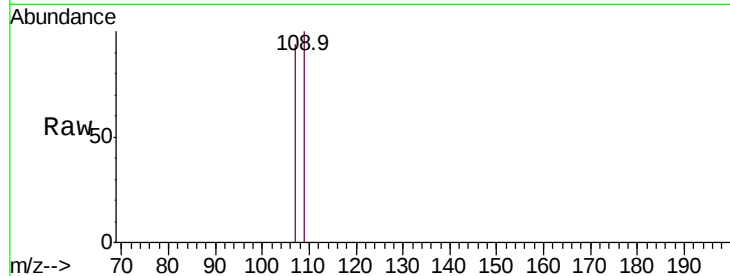




#61
 1,2-Dibromoethane
 Concen: 2.132 ug/l
 RT: 10.09 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

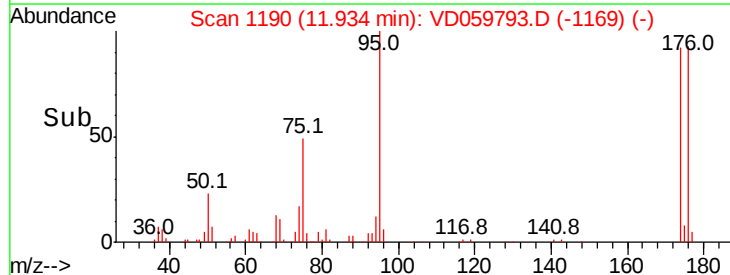
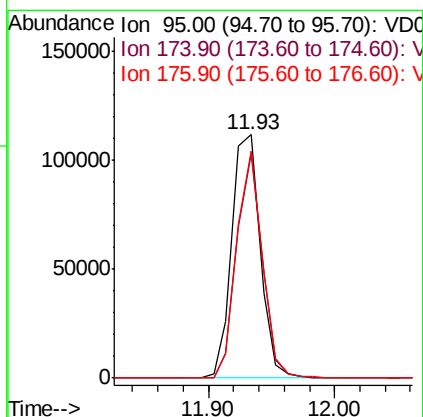
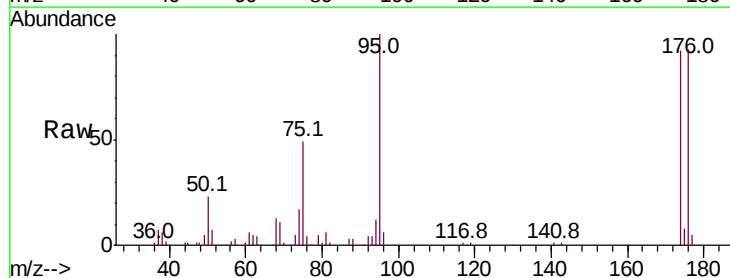
Instrument :
 MSVOA_D
 ClientSampleId :

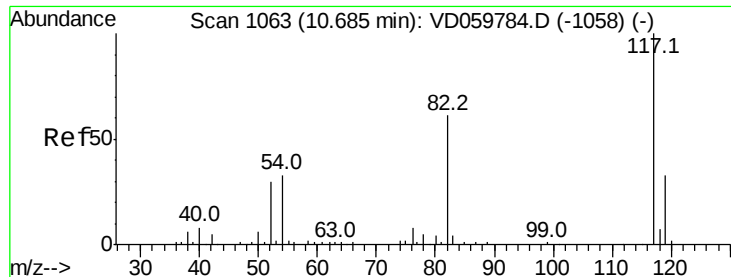
Tot Ion:107 Resp: 4567
 Ion Ratio Lower Upper
 107 100
 109 106.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 2.132 ug/l
 RT: 11.93 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Tgt Ion: 95 Resp: 173577
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 142.2
 176 93.4 0.0 137.4

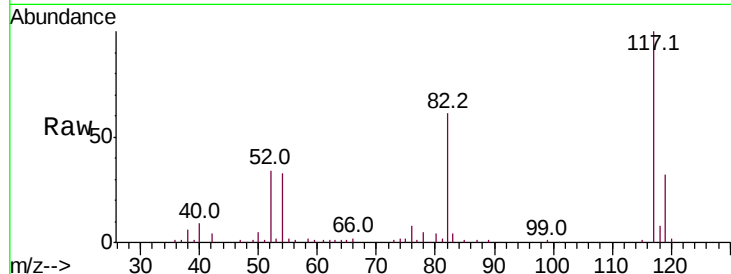




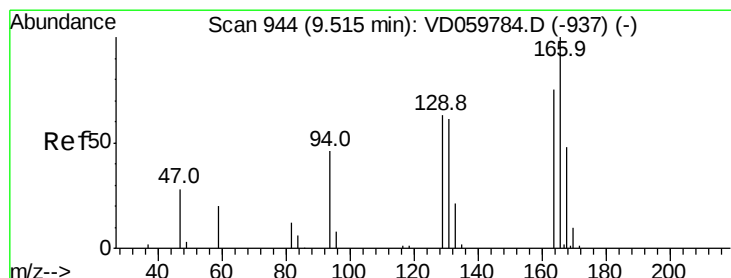
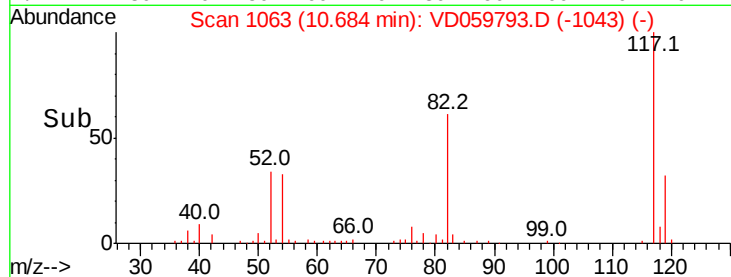
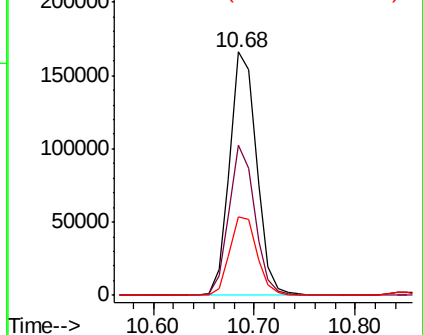
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 308940
Ion Ratio Lower Upper
117 100
82 61.5 49.0 73.6
119 32.2 26.2 39.2



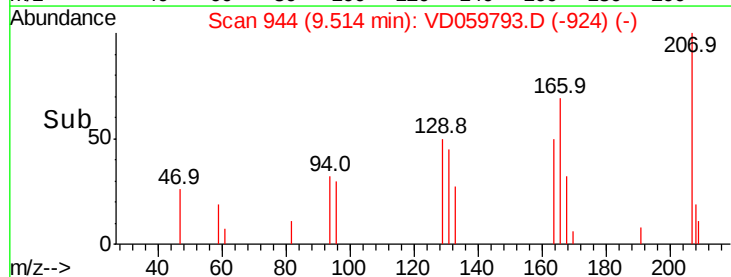
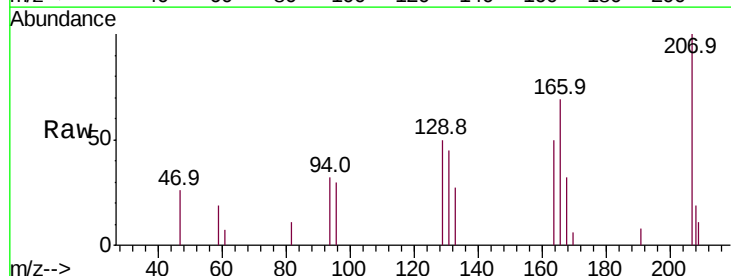
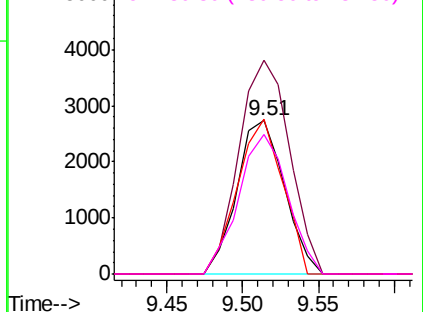
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

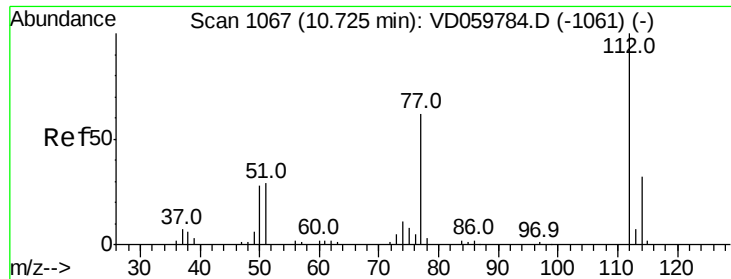


#64
Tetrachloroethene
Concen: 2.249 ug/l
RT: 9.51 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

Tgt Ion:164 Resp: 5985
Ion Ratio Lower Upper
164 100
166 139.1 106.8 160.2
129 101.1 67.2 100.8#
131 90.6 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

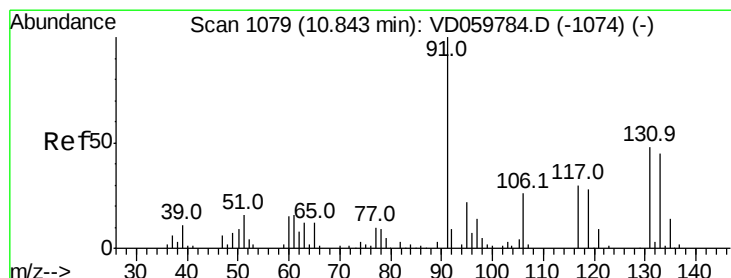
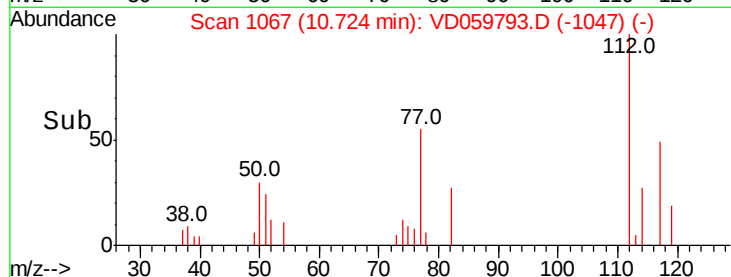
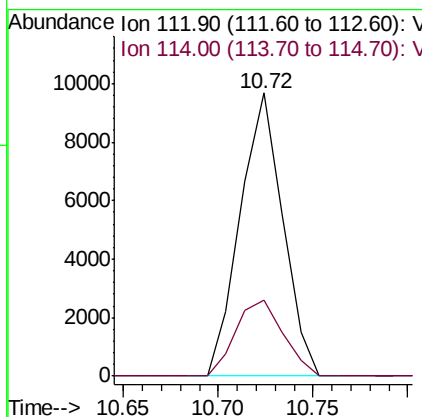
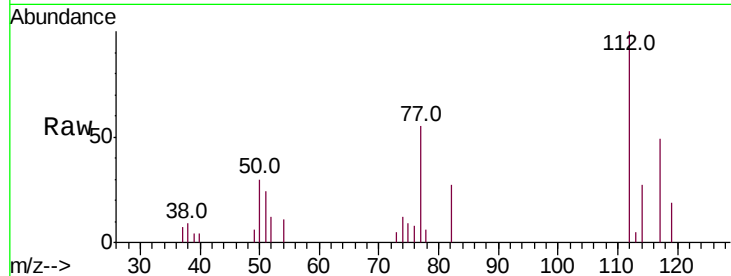




#65
Chlorobenzene
Concen: 2.417 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

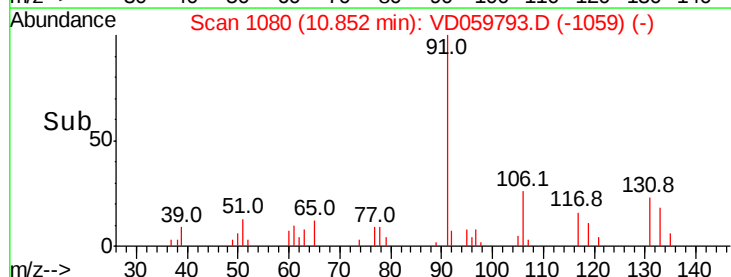
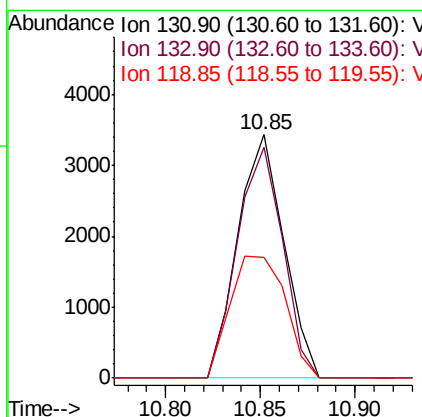
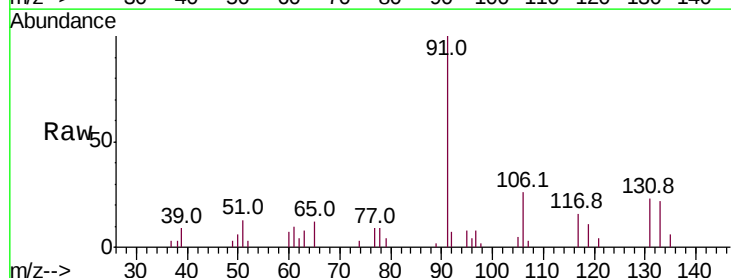
Instrument :
MSVOA_D
ClientSampled :

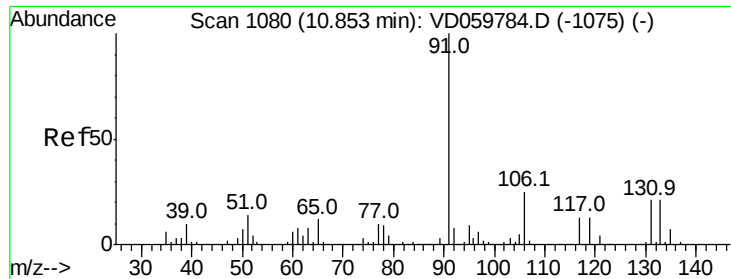
Tot Ion:112 Resp: 15120
Ion Ratio Lower Upper
112 100
114 27.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 2.290 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

Tgt Ion:131 Resp: 5776
Ion Ratio Lower Upper
131 100
133 94.9 47.0 141.0
119 49.6 29.0 87.1

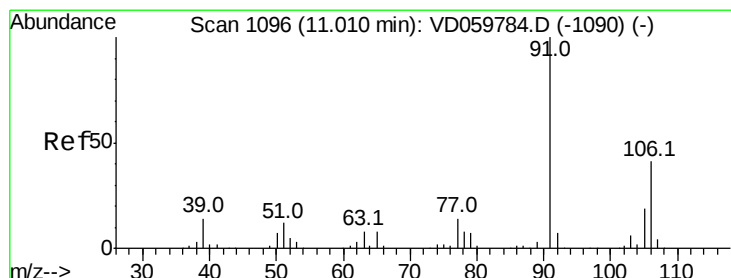
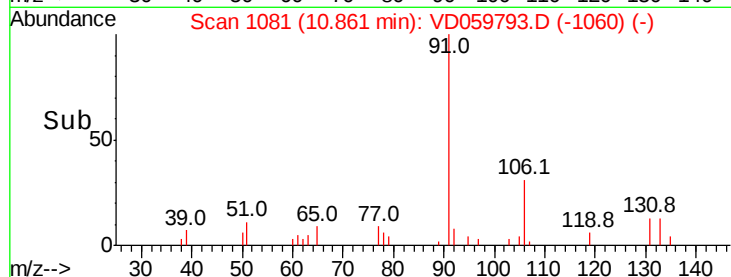
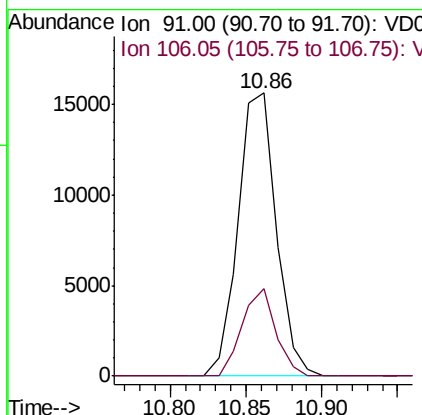
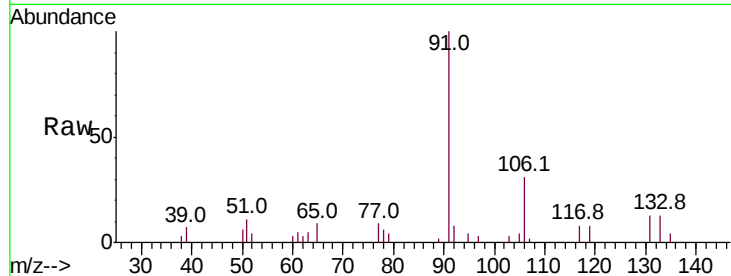




#67
Ethyl Benzene
Concen: 2.546 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

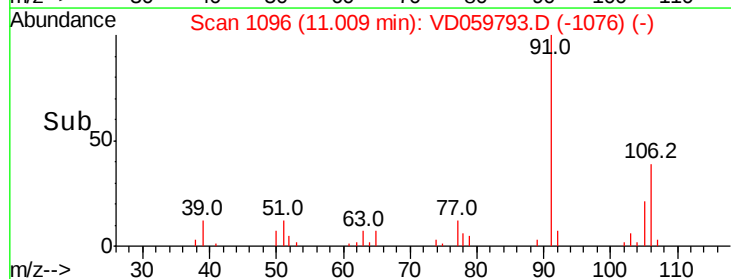
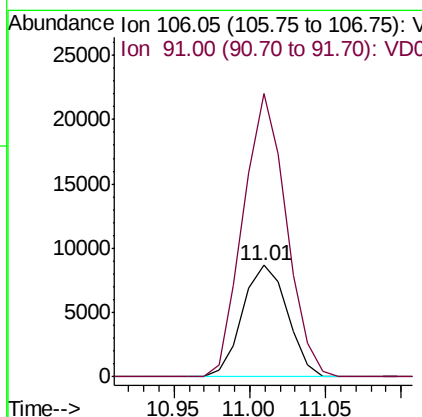
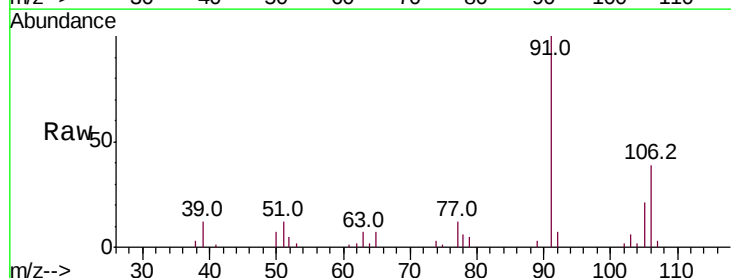
Instrument :
MSVOA_D
ClientSampleId :

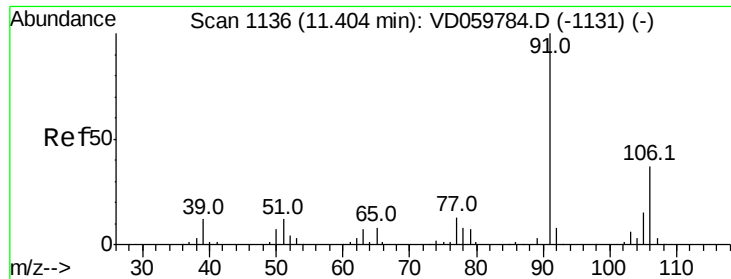
Tot Ion: 91 Resp: 27427
Ion Ratio Lower Upper
91 100
106 31.0 20.1 30.1#



#68
m/p-Xylenes
Concen: 4.926 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

Tgt Ion: 106 Resp: 17987
Ion Ratio Lower Upper
106 100
91 253.6 197.4 296.0

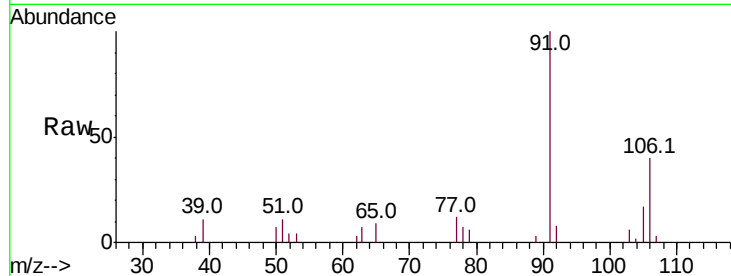




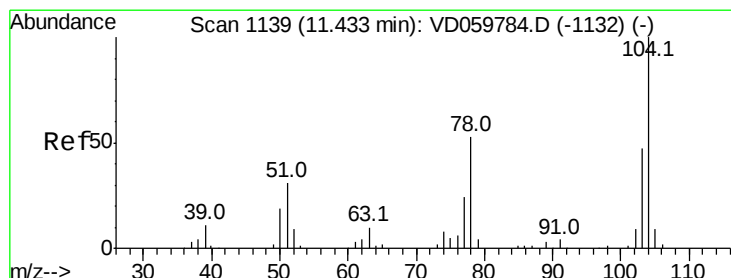
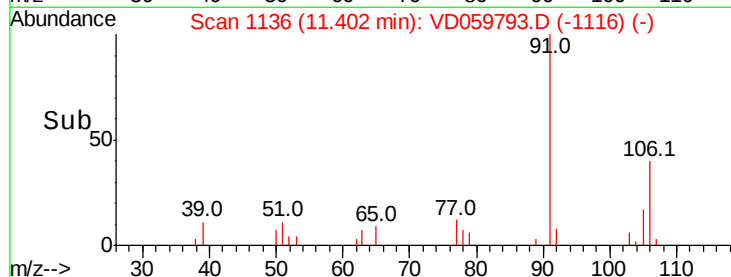
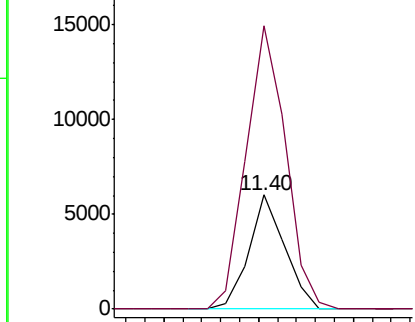
#69
o-Xylene
Concen: 2.264 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 7933
Ion Ratio Lower Upper
106 100
91 248.7 133.7 401.1

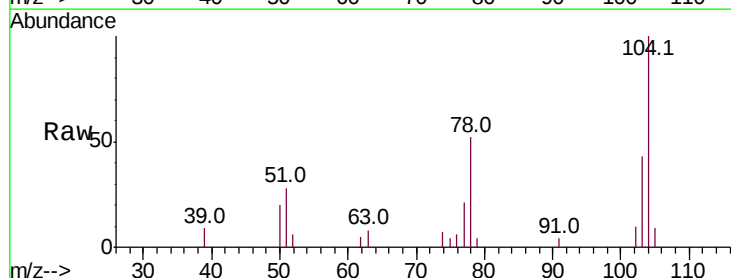


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

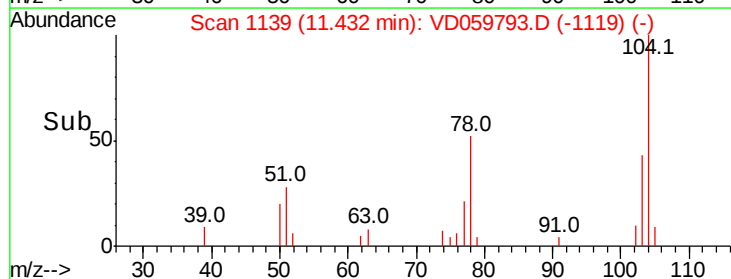
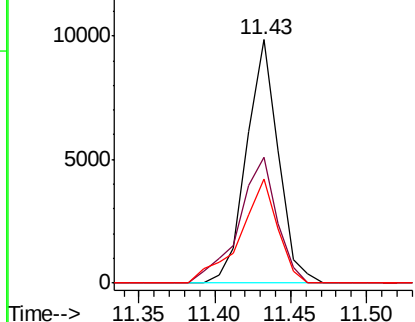


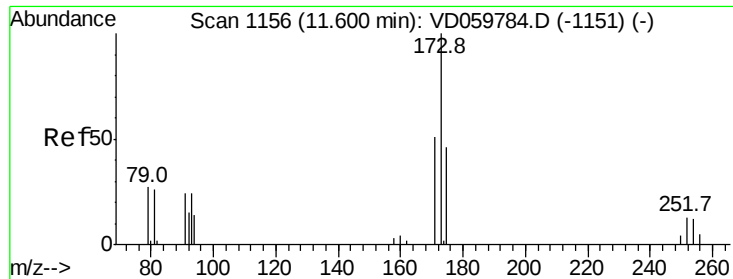
#70
Styrene
Concen: 2.319 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

Tgt Ion:104 Resp: 14413
Ion Ratio Lower Upper
104 100
78 51.7 42.6 64.0
103 42.5 37.8 56.6



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





#71

Bromoform

Concen: 1.502 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

ClientSampleId :

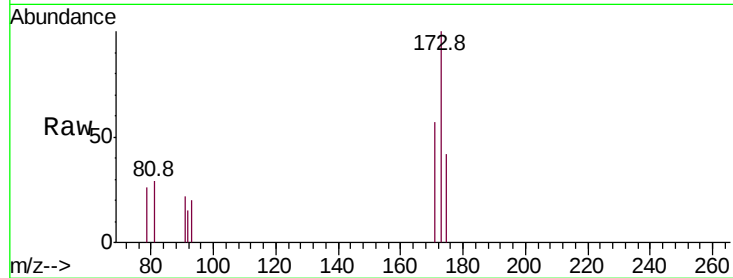
Tot Ion:173 Resp: 2754

Ion Ratio Lower Upper

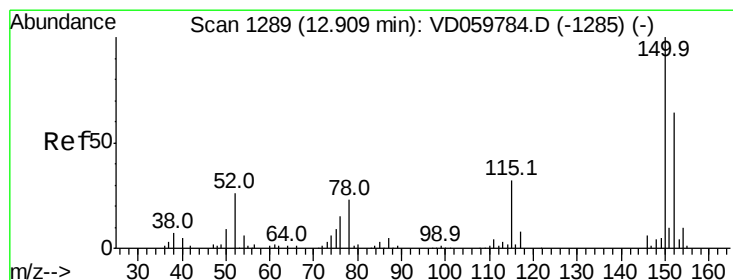
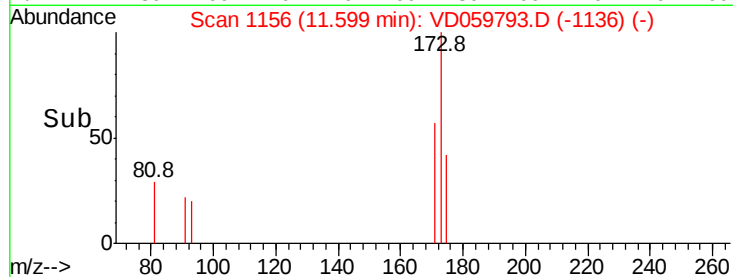
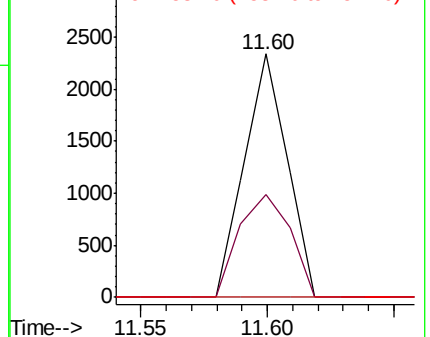
173 100

175 42.5 23.1 69.2

254 0.0 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: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

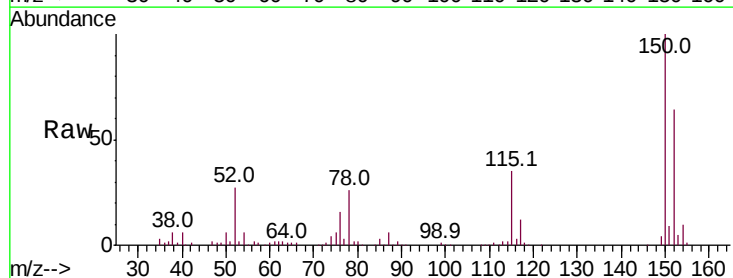
Tgt Ion:152 Resp: 167227

Ion Ratio Lower Upper

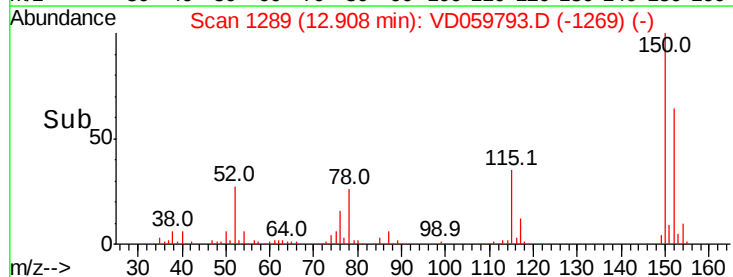
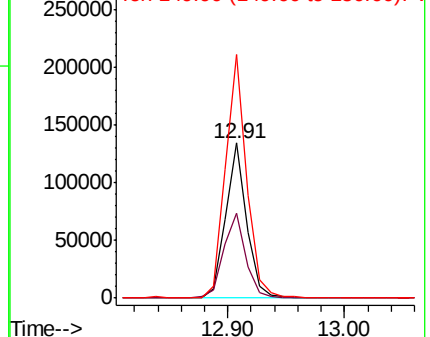
152 100

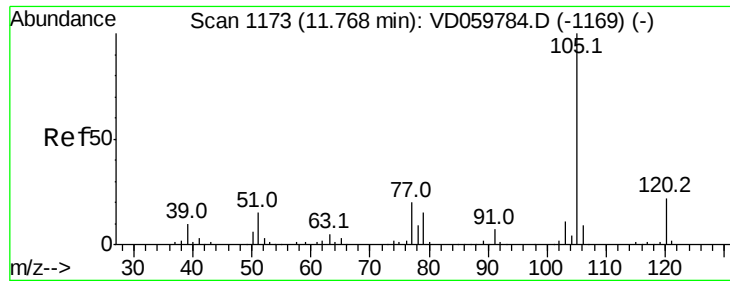
115 55.0 27.2 81.5

150 157.0 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: 2.397 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

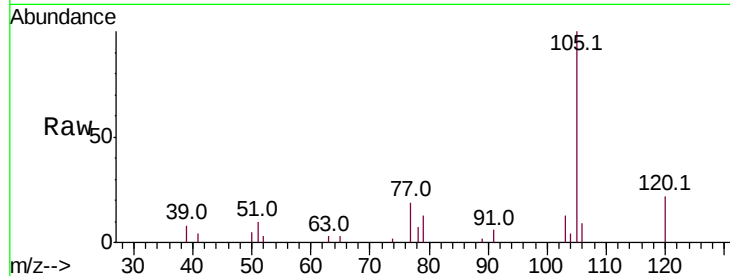
ClientSampleId :

Tot Ion:105 Resp: 25384

Ion Ratio Lower Upper

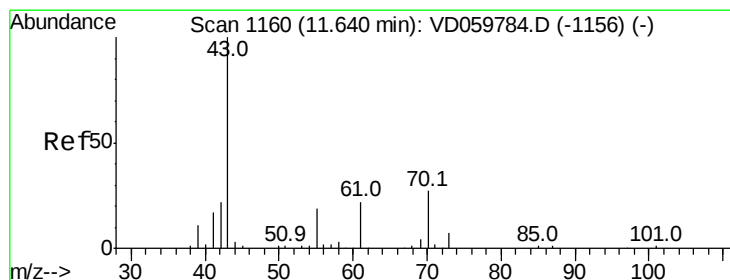
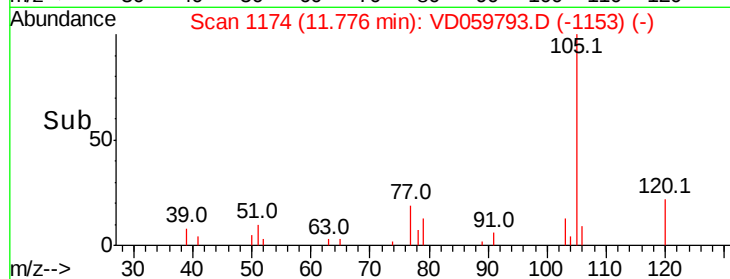
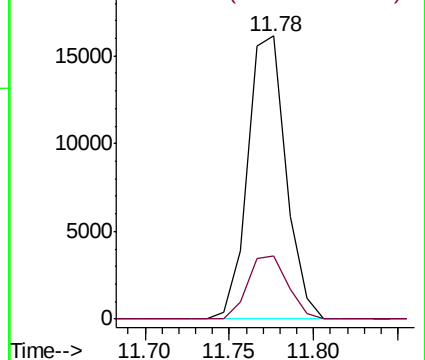
105 100

120 22.5 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: 1.814 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Tgt Ion: 43 Resp: 5888

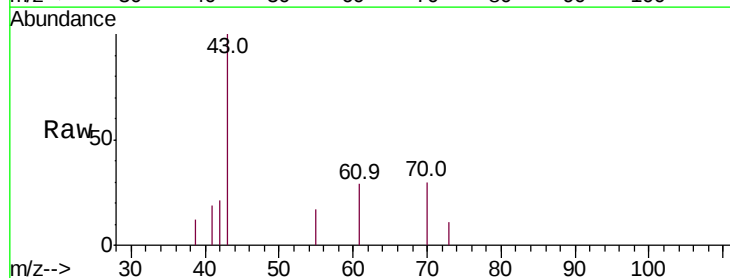
Ion Ratio Lower Upper

43 100

70 29.9 21.8 32.6

55 17.5 15.1 22.7

61 29.0 18.0 27.0#

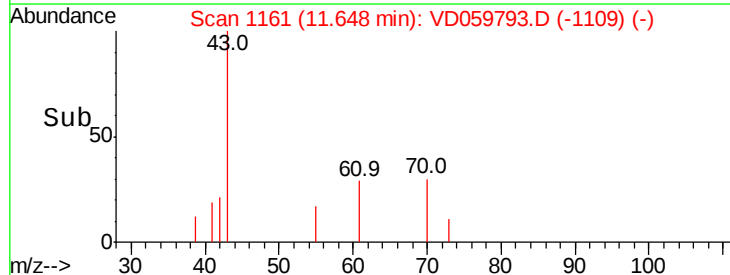
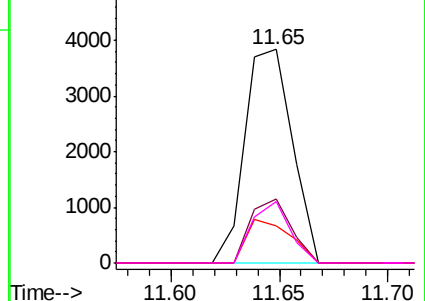


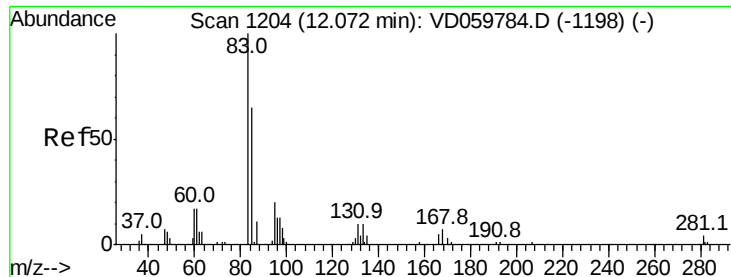
Abundance Ion 42.95 (42.65 to 43.65): V

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: 2.362 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

ClientSampleId :

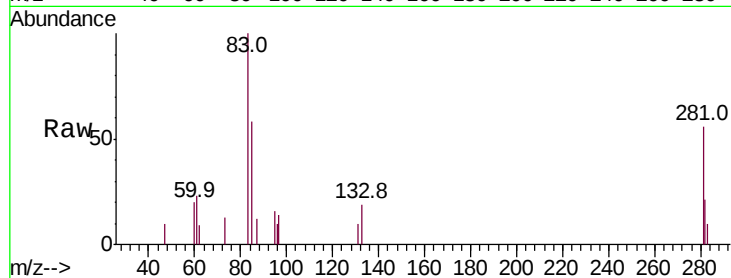
Tot Ion: 83 Resp: 5079

Ion Ratio Lower Upper

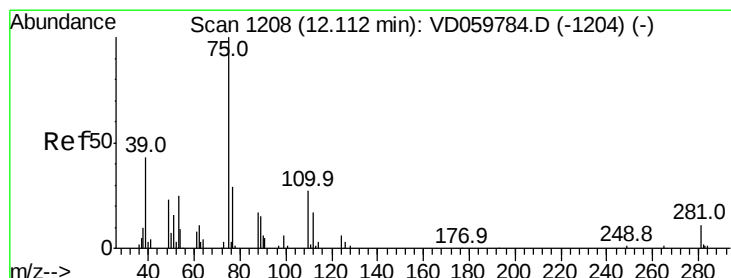
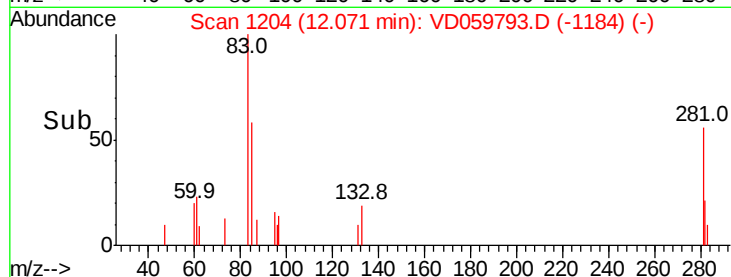
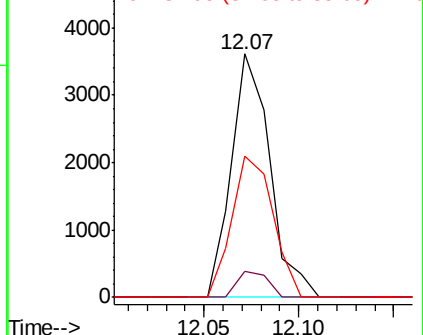
83 100

131 10.5 5.0 15.0

85 57.9 32.8 98.3



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



#76

1,2,3-Trichloropropane

Concen: 2.460 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059793.D

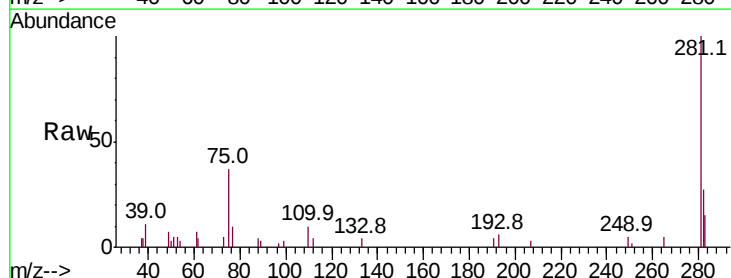
Acq: 15 Aug 2018 6:02

Tgt Ion: 75 Resp: 5836

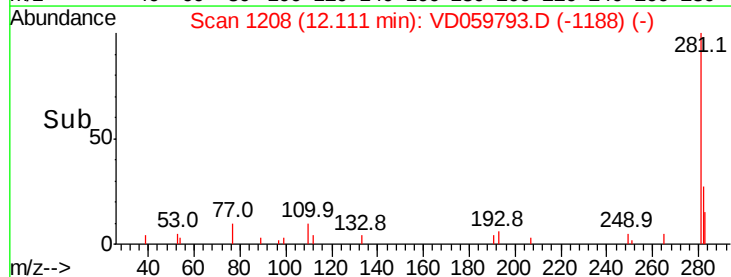
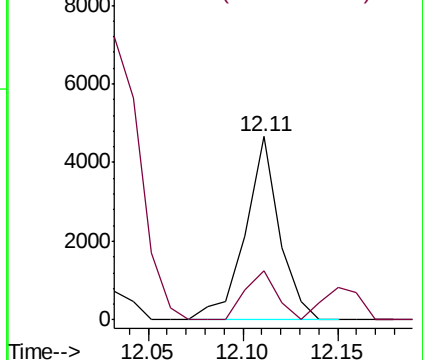
Ion Ratio Lower Upper

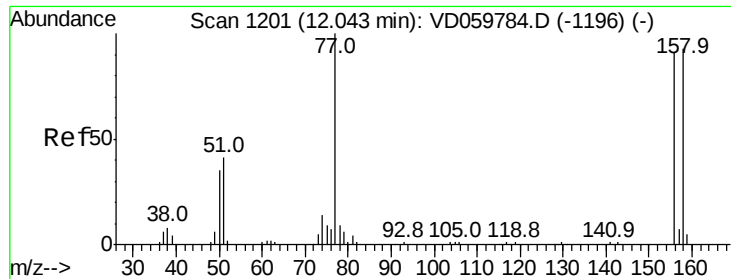
75 100

77 27.0 16.2 48.6



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

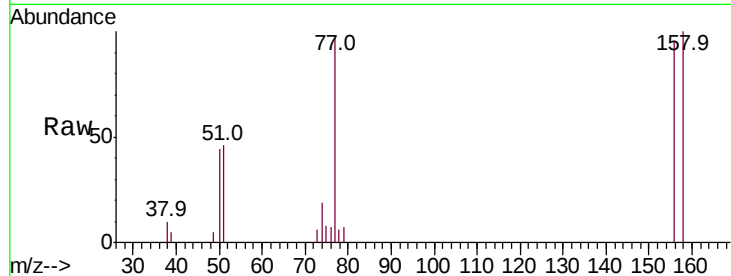




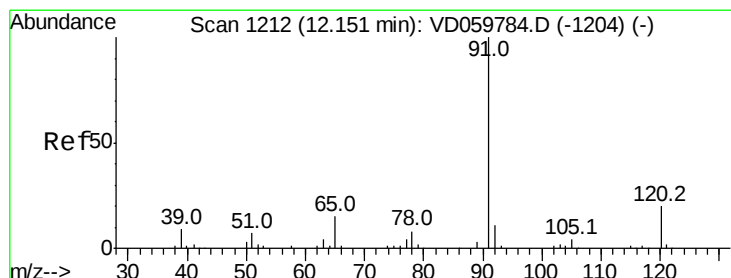
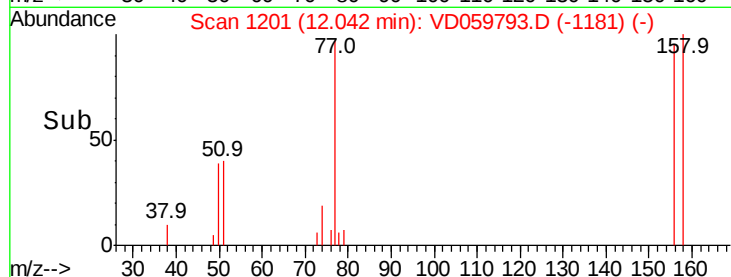
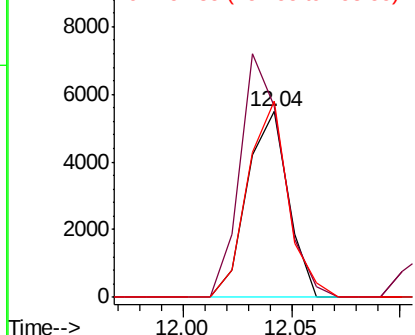
#77
 Bromobenzene
 Concen: 2.415 ug/l
 RT: 12.04 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:156 Resp: 7307
 Ion Ratio Lower Upper
 156 100
 77 102.8 54.9 164.8
 158 105.6 51.2 153.6

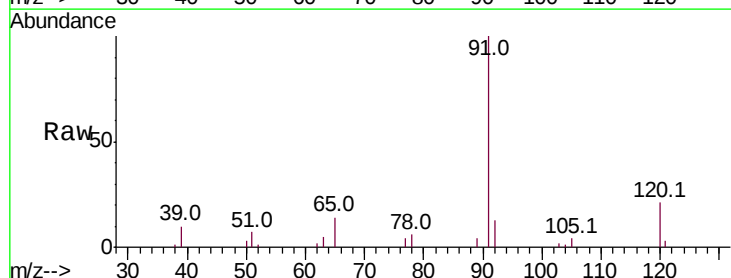


Abundance Ion 155.90 (155.60 to 156.60): V
 Ion 76.95 (76.65 to 77.65): VDC
 Ion 157.85 (157.55 to 158.55): V

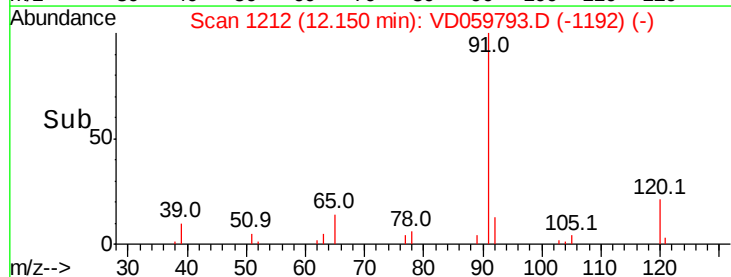
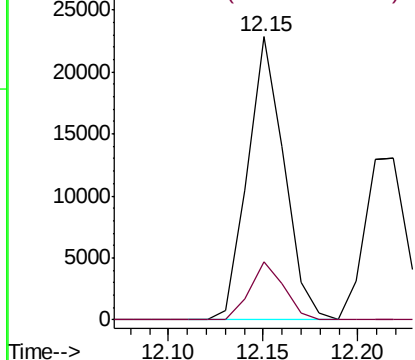


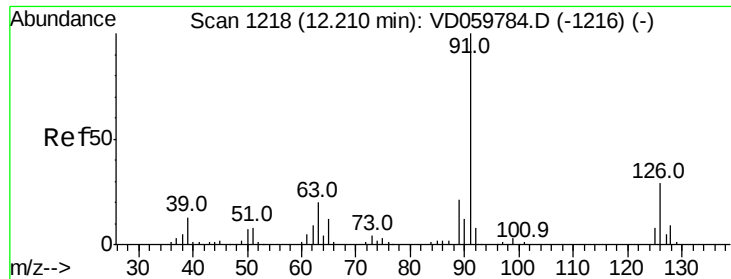
#78
 n-propylbenzene
 Concen: 2.307 ug/l
 RT: 12.15 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Tgt Ion: 91 Resp: 30472
 Ion Ratio Lower Upper
 91 100
 120 20.5 9.8 29.4



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

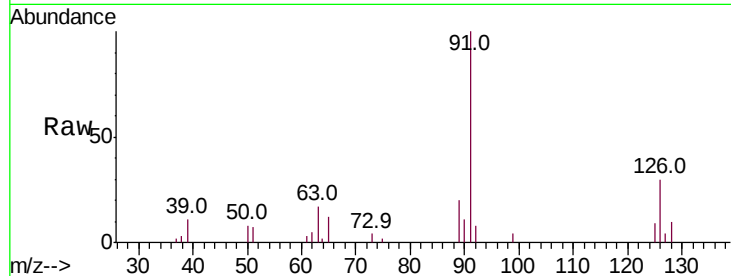




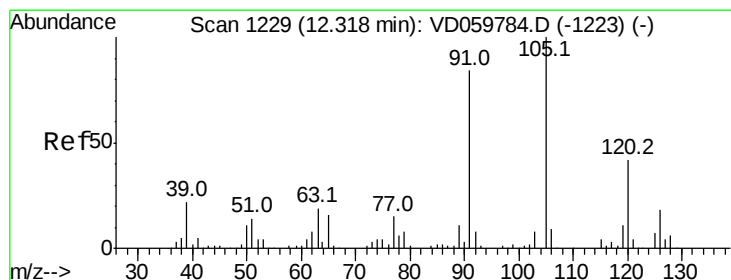
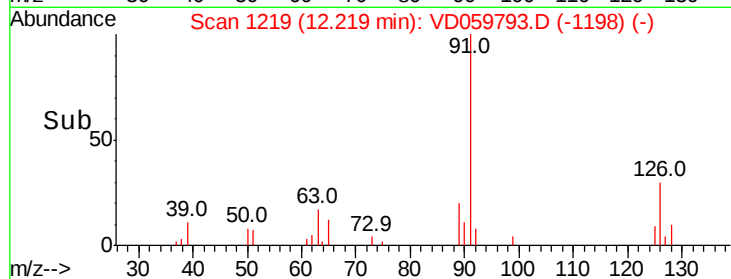
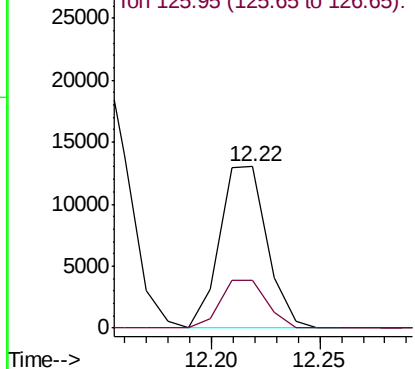
#79
 2-Chlorotoluene
 Concen: 2.496 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 19882
 Ion Ratio Lower Upper
 91 100
 126 29.9 14.0 41.9

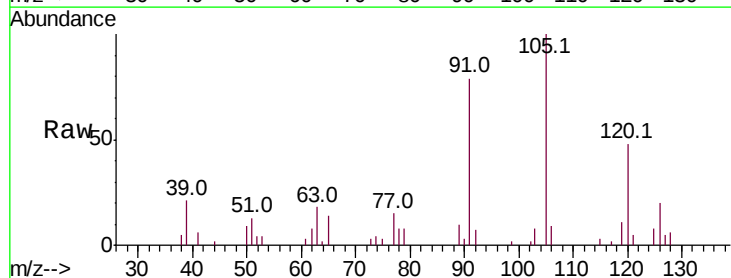


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

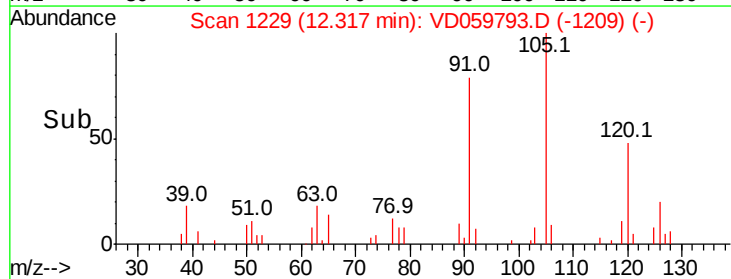
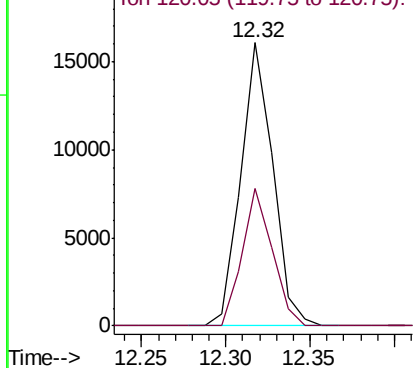


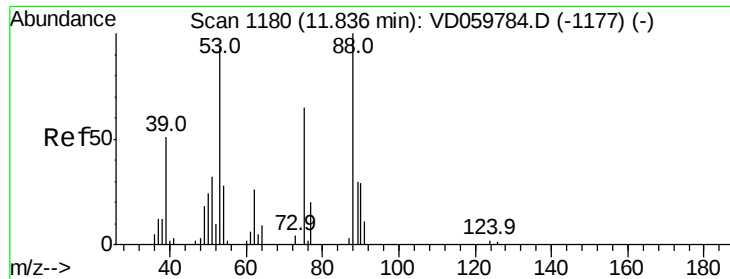
#80
 1,3,5-Trimethylbenzene
 Concen: 2.504 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Tgt Ion:105 Resp: 21229
 Ion Ratio Lower Upper
 105 100
 120 48.4 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: 157.549 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

ClientSampled :

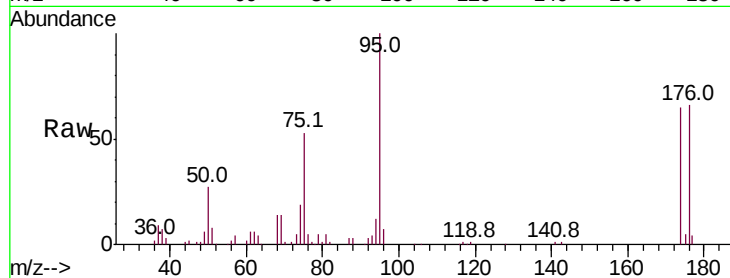
Tot Ion: 75 Resp: 87456

Ion Ratio Lower Upper

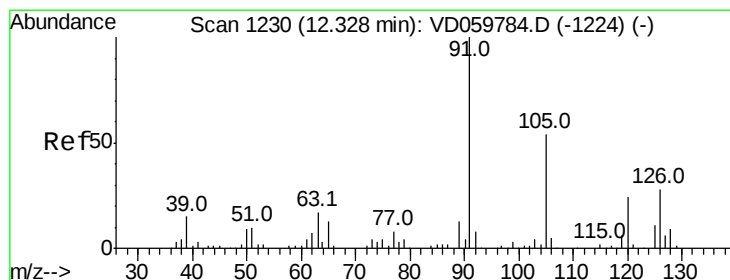
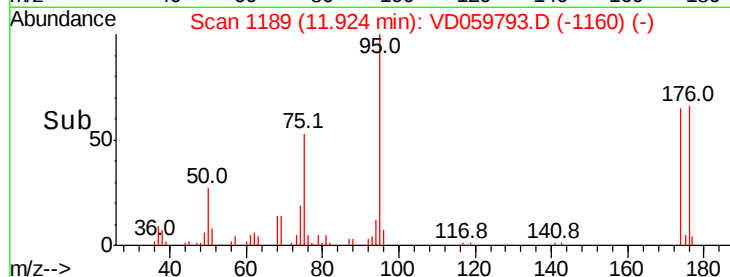
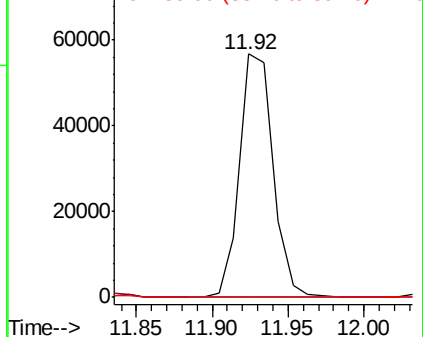
75 100

53 0.0 116.2 174.2#

89 0.0 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: 2.453 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD059793.D

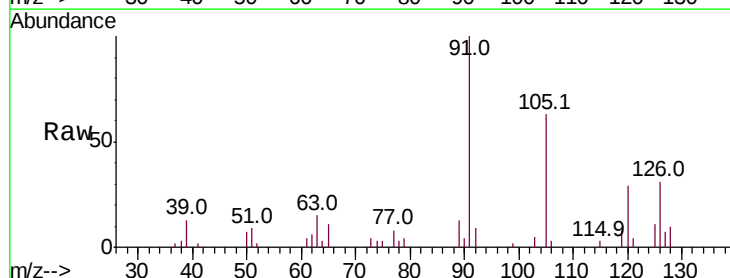
Acq: 15 Aug 2018 6:02

Tgt Ion: 91 Resp: 22179

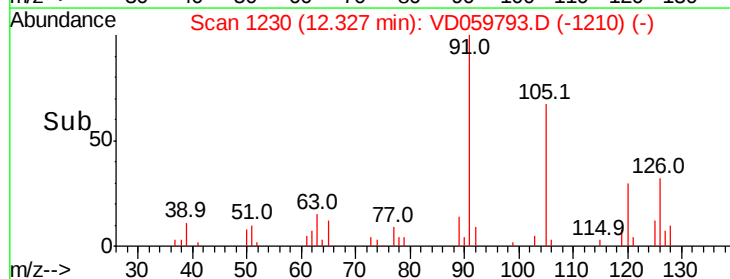
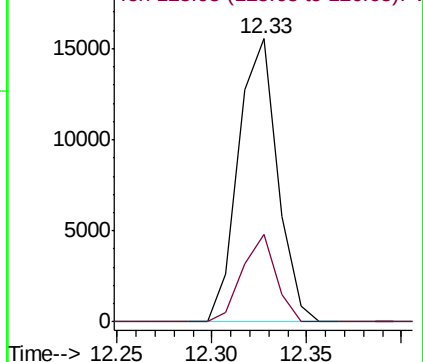
Ion Ratio Lower Upper

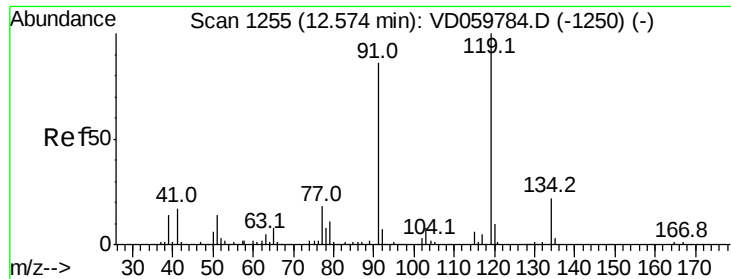
91 100

126 30.8 13.9 41.7



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

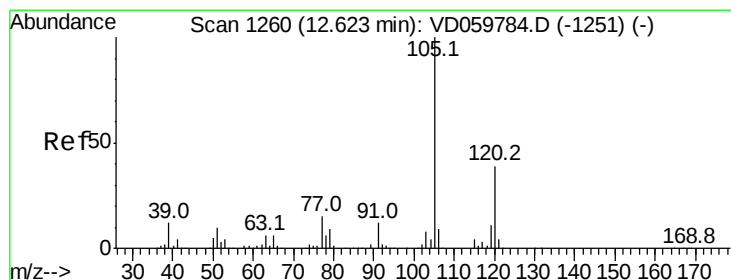
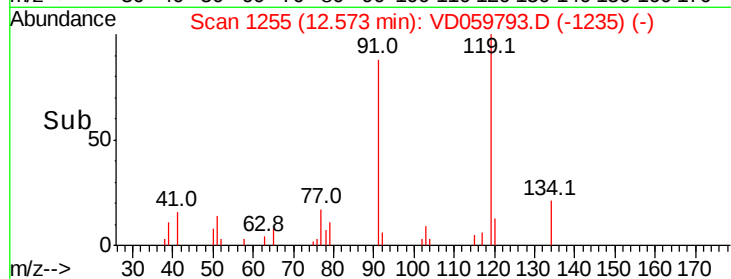
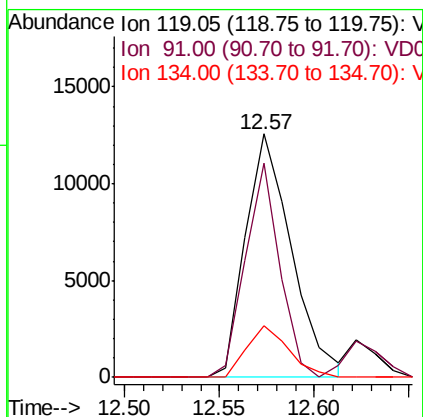
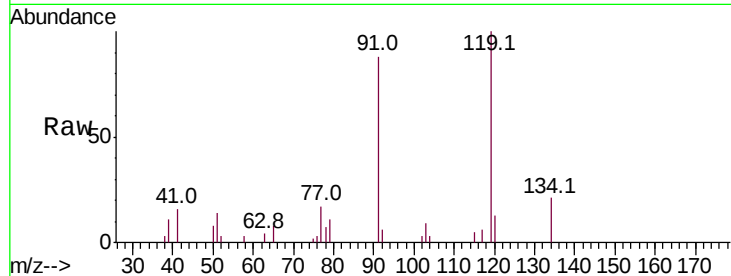




#83
tert-Butylbenzene
Concen: 2.260 ug/l
RT: 12.57 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

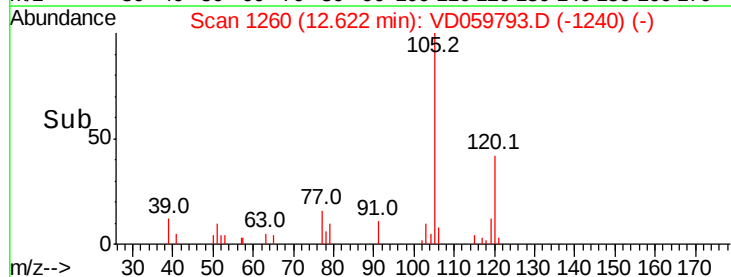
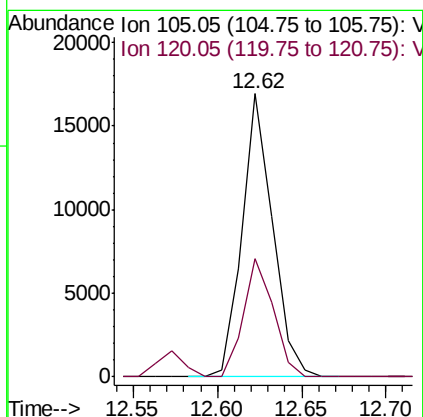
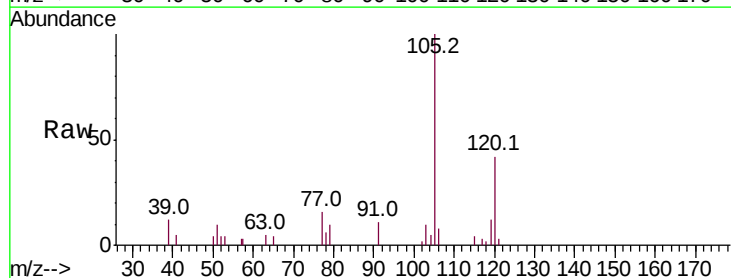
Instrument :
MSVOA_D
ClientSampleId :

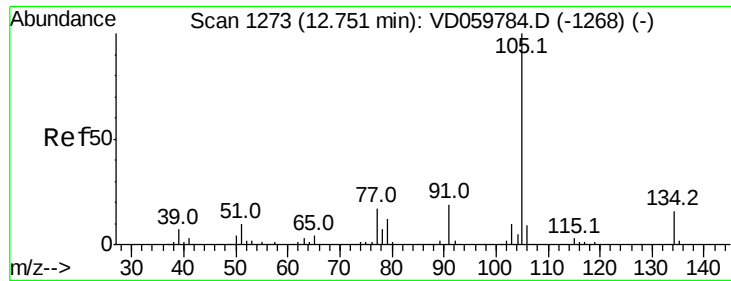
Tot Ion:119 Resp: 21172
Ion Ratio Lower Upper
119 100
91 88.0 43.1 129.3
134 21.4 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 2.328 ug/l
RT: 12.62 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

Tgt Ion:105 Resp: 21266
Ion Ratio Lower Upper
105 100
120 41.7 19.6 58.8

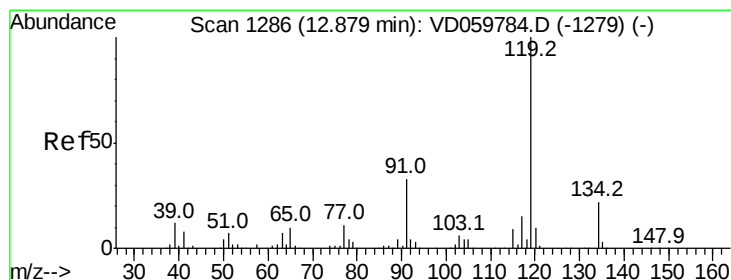
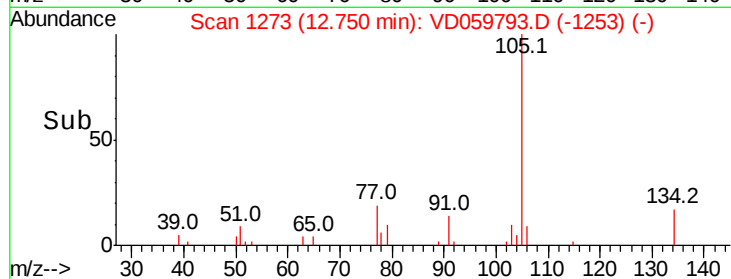
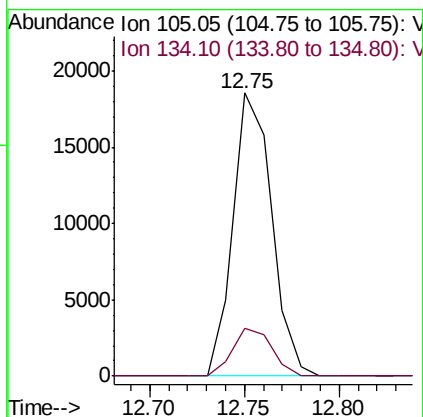
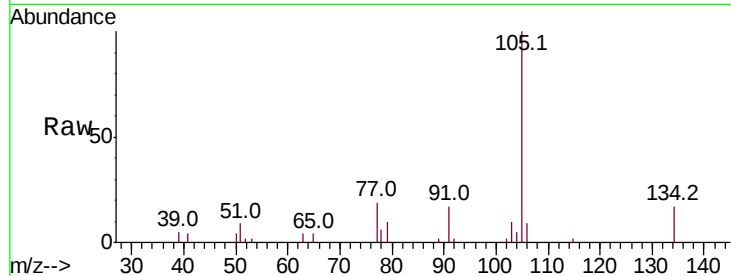




#85
 sec-Butylbenzene
 Concen: 2.404 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

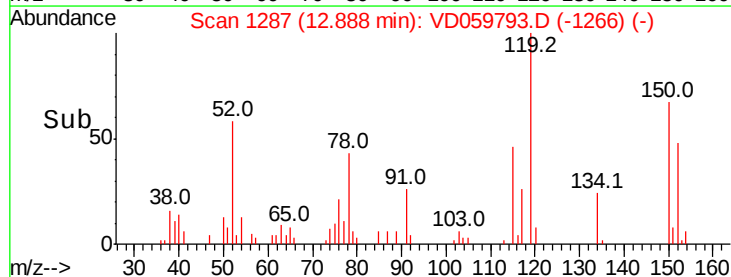
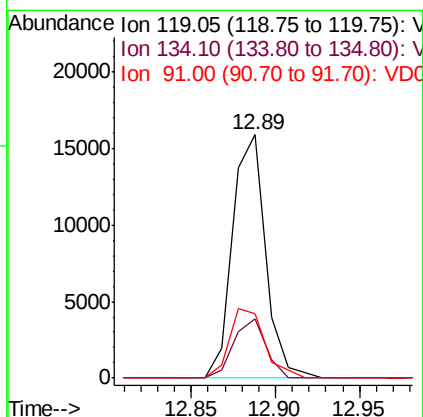
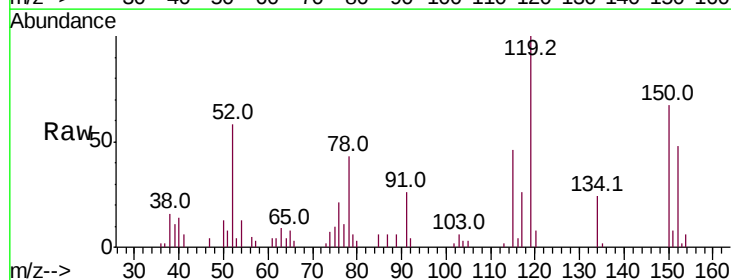
Instrument :
 MSVOA_D
 ClientSampleId :

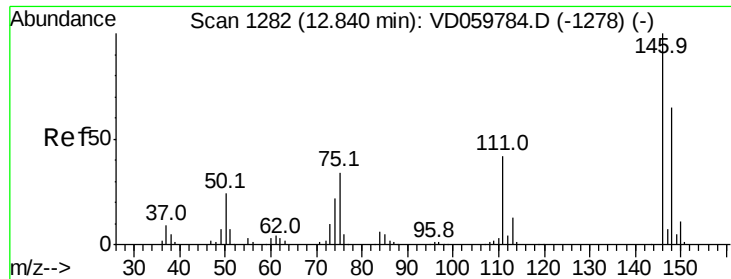
Tot Ion:105 Resp: 26108
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 2.382 ug/l
 RT: 12.89 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Tgt Ion:119 Resp: 21638
 Ion Ratio Lower Upper
 119 100
 134 24.1 10.9 32.6
 91 26.4 16.4 49.4





#87

1,3-Dichlorobenzene

Concen: 2.429 ug/l

RT: 12.84 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD059793.D

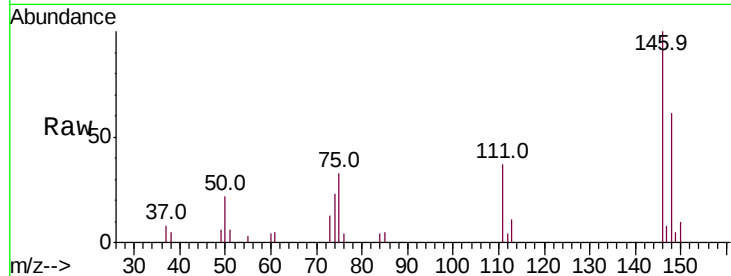
Acq: 15 Aug 2018 6:02

Instrument :

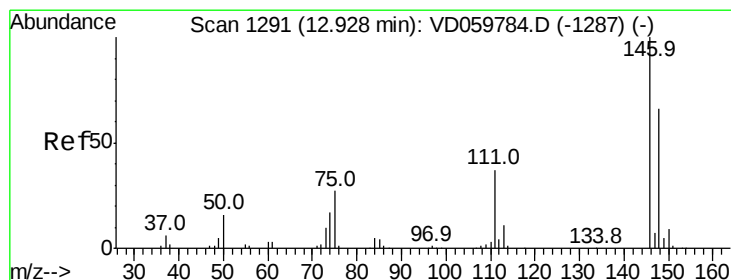
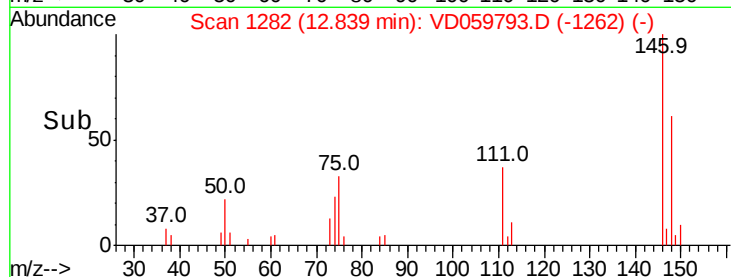
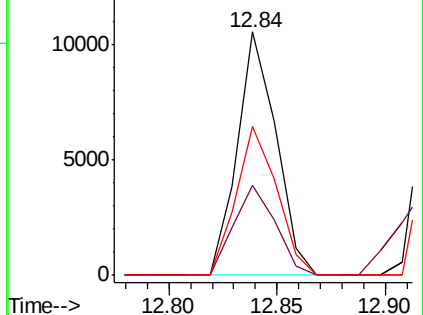
MSVOA_D

ClientSampled :

Tot Ion:	146	Resp:	13177
Ion	Ratio	Lower	Upper
146	100		
111	37.2	20.9	62.8
148	61.2	32.6	97.8



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



#88

1,4-Dichlorobenzene

Concen: 2.584 ug/l

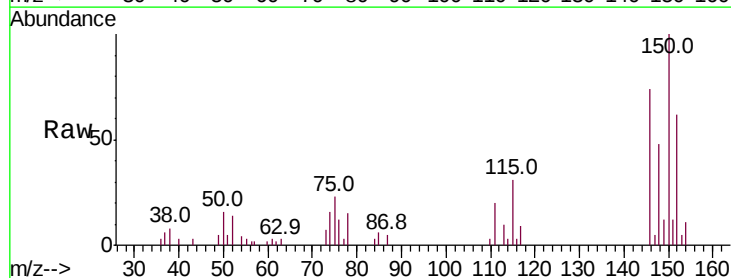
RT: 12.93 min Scan# 1291

Delta R.T. -0.00 min

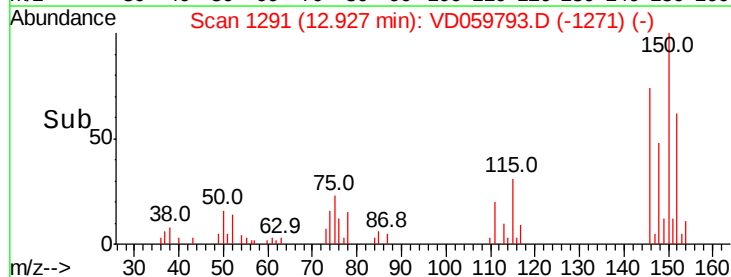
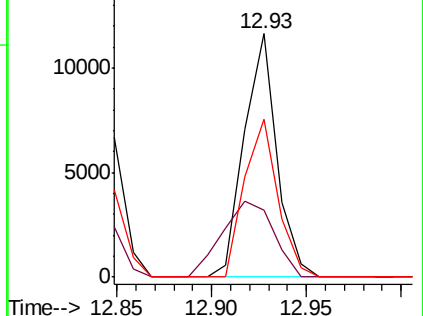
Lab File: VD059793.D

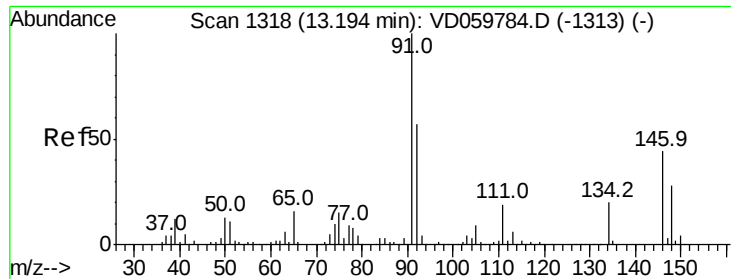
Acq: 15 Aug 2018 6:02

Tgt Ion:	146	Resp:	13900
Ion	Ratio	Lower	Upper
146	100		
111	27.6	18.6	55.6
148	65.0	33.0	99.0



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

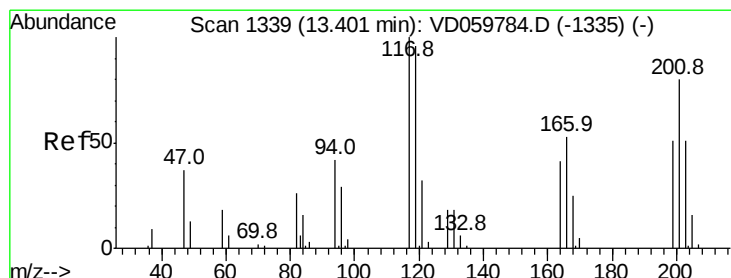
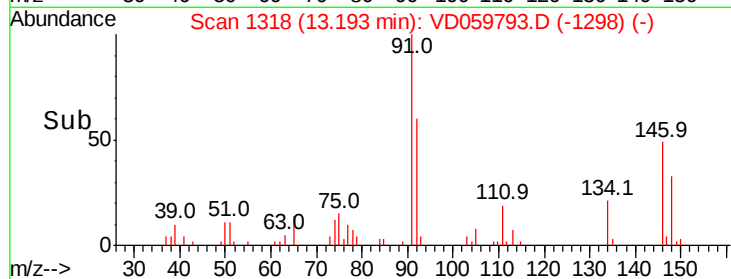
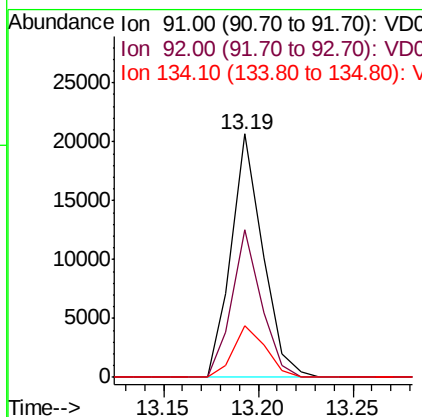
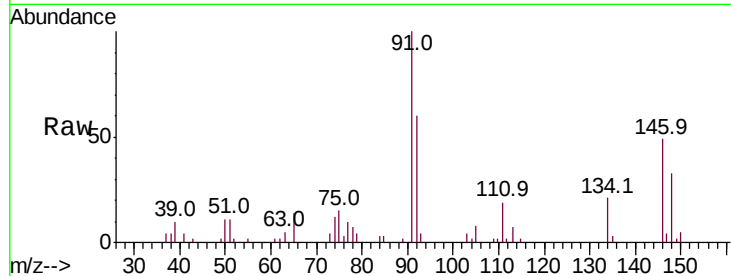




#89
n-Butylbenzene
Concen: 2.595 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

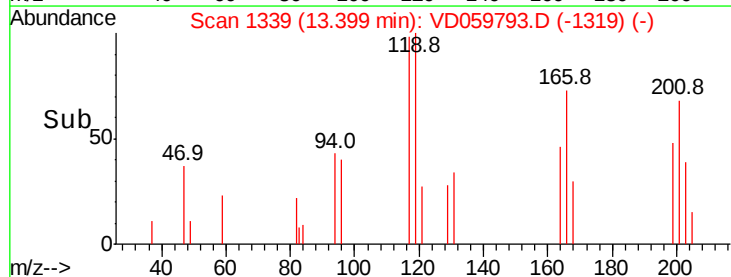
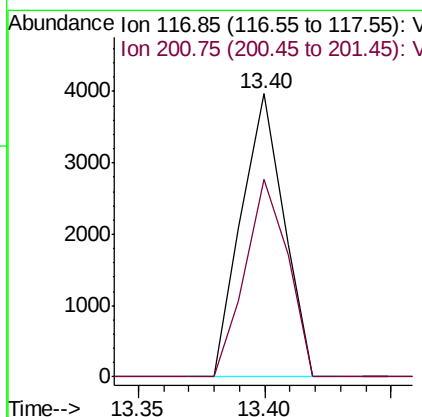
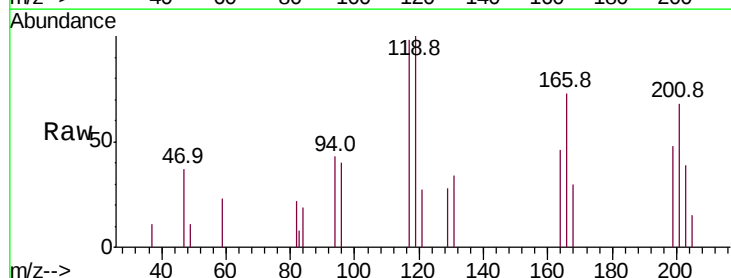
Instrument :
MSVOA_D
ClientSampleId :

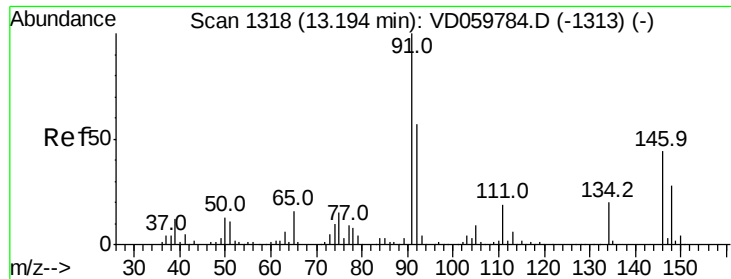
Tot Ion: 91 Resp: 23834
Ion Ratio Lower Upper
91 100
92 60.4 28.4 85.3
134 21.1 10.2 30.4



#90
Hexachloroethane
Concen: 2.050 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059793.D
Acq: 15 Aug 2018 6:02

Tgt Ion: 117 Resp: 4673
Ion Ratio Lower Upper
117 100
201 69.8 39.9 119.7

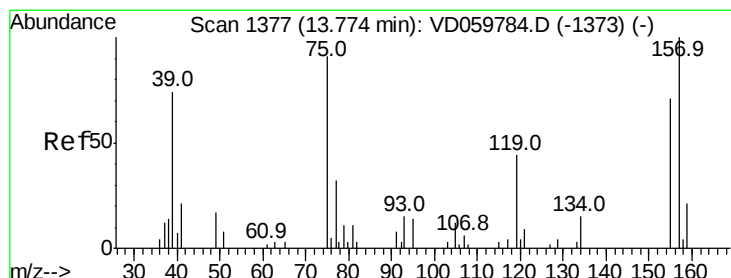
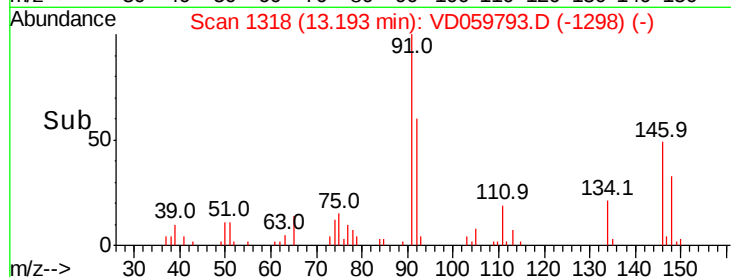
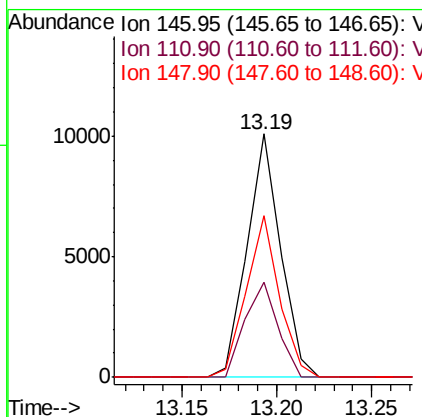
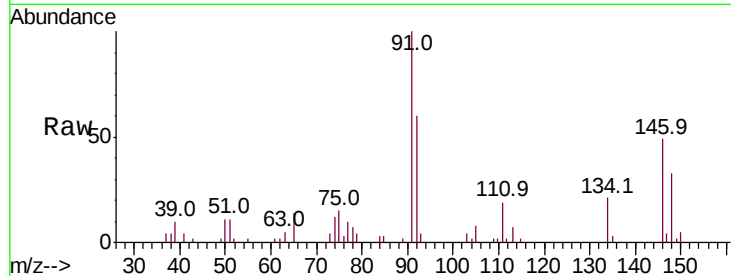




#91
 1,2-Dichlorobenzene
 Concen: 2.778 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

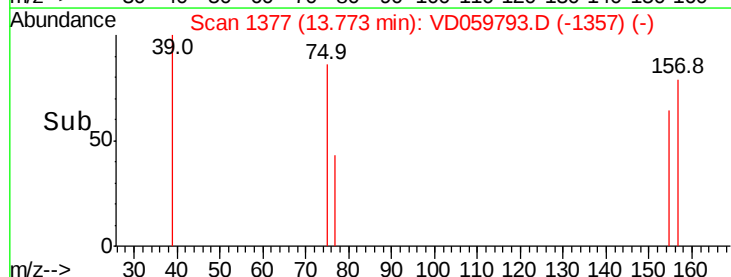
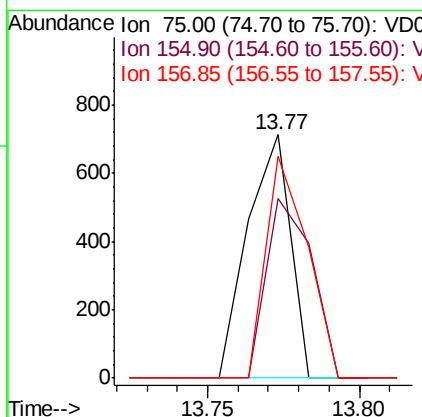
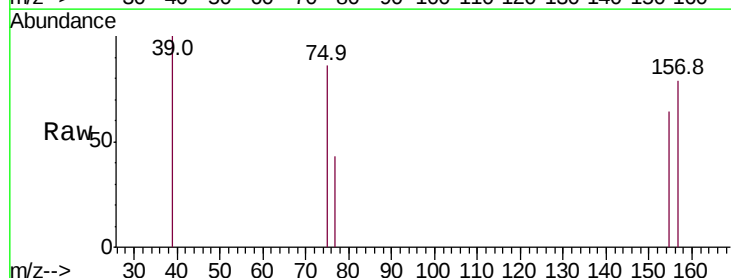
Instrument :
 MSVOA_D
 ClientSampleId :

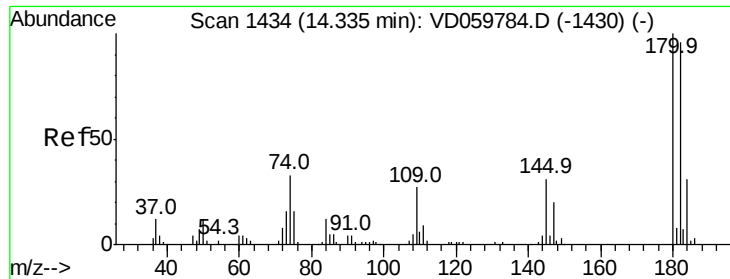
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	21.1	63.1
148	66.6	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.814 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.6	39.0	117.0
157	91.0	54.8	164.3

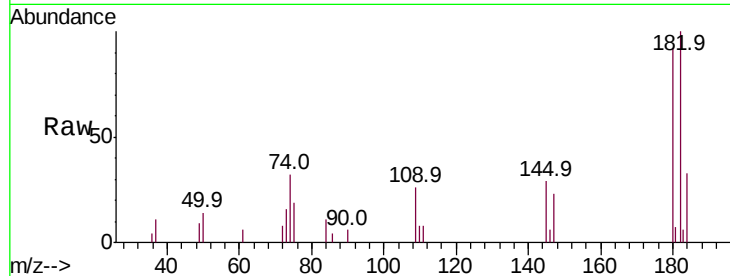




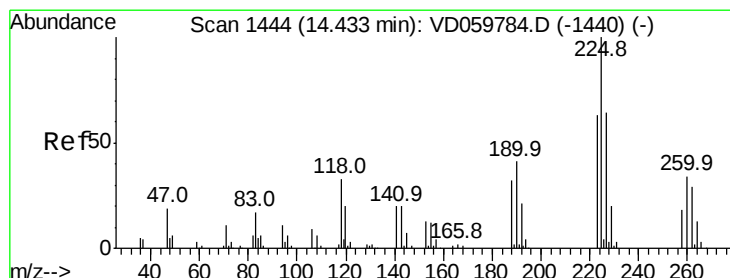
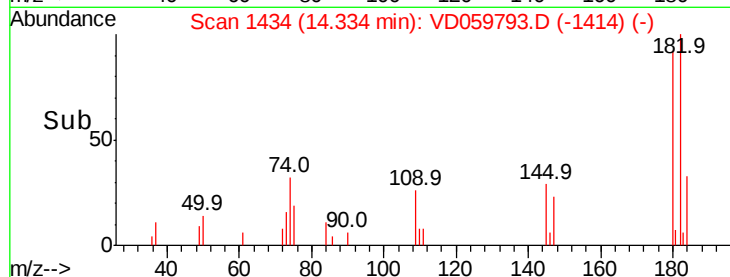
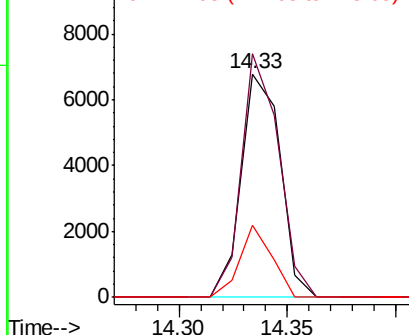
#93
 1,2,4-Trichlorobenzene
 Concen: 2.305 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 8602
 Ion Ratio Lower Upper
 180 100
 182 108.8 48.0 144.0
 145 32.1 15.5 46.5

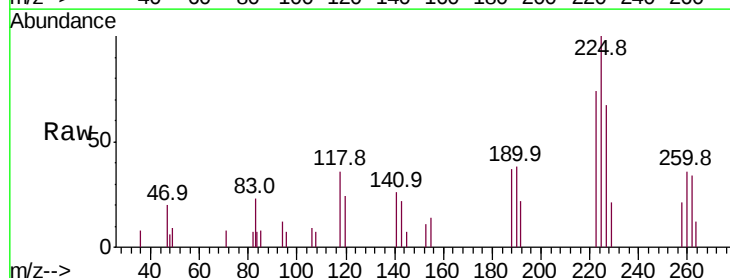


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

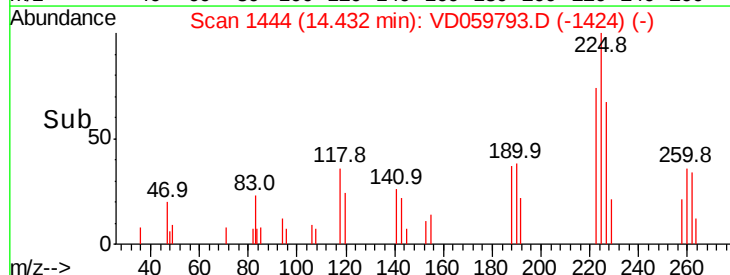
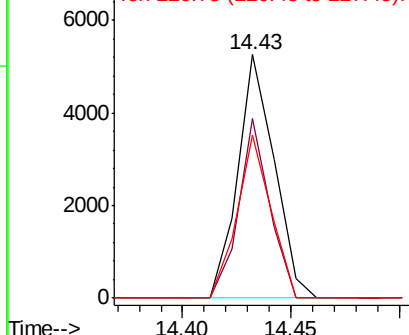


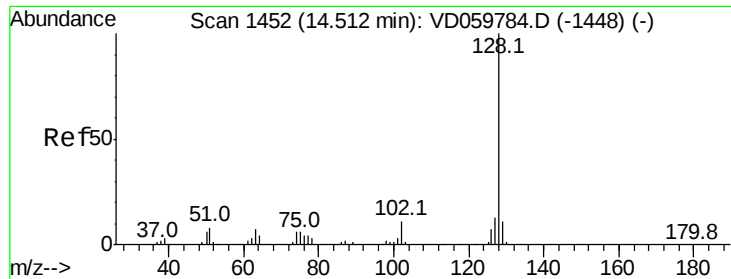
#94
 Hexachlorobutadiene
 Concen: 2.232 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059793.D
 Acq: 15 Aug 2018 6:02

Tgt Ion:225 Resp: 6148
 Ion Ratio Lower Upper
 225 100
 223 73.7 31.4 94.2
 227 66.9 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: 2.360 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

Instrument :

MSVOA_D

ClientSampleId :

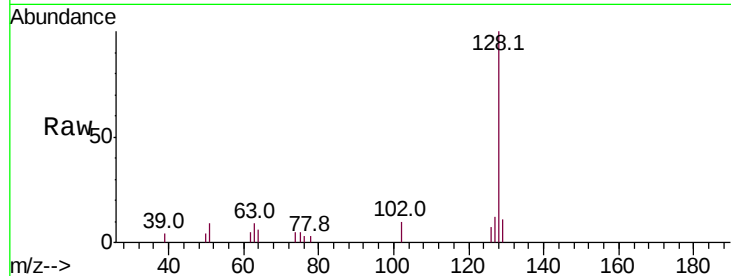
Tot Ion:128 Resp: 13482

Ion Ratio Lower Upper

128 100

127 12.3 10.3 15.5

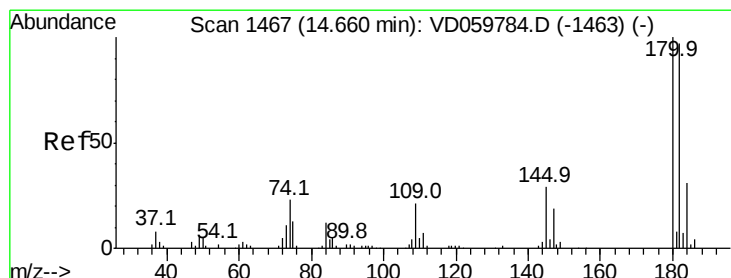
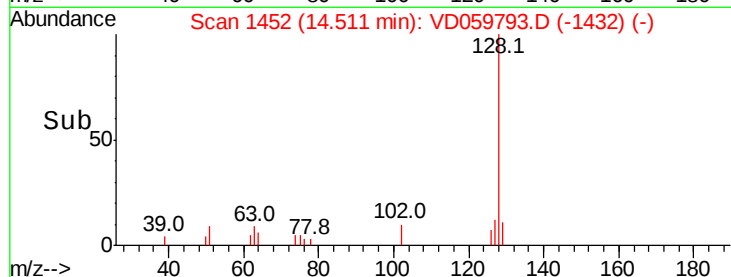
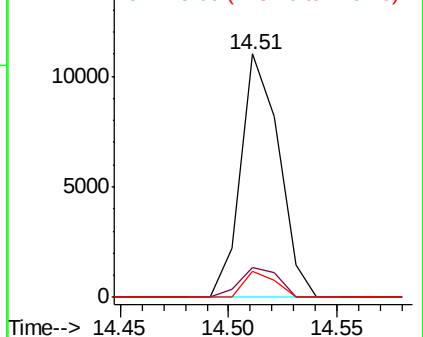
129 10.9 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

15000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.408 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD059793.D

Acq: 15 Aug 2018 6:02

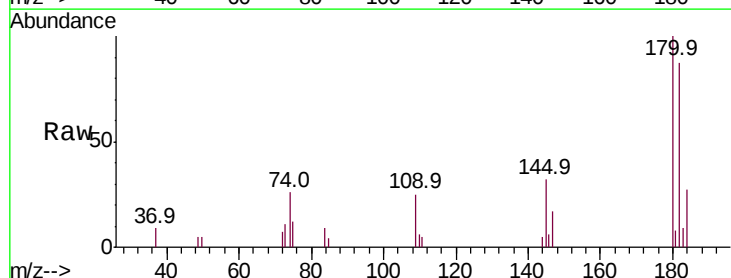
Tgt Ion:180 Resp: 7929

Ion Ratio Lower Upper

180 100

182 86.7 48.5 145.5

145 31.5 14.3 42.9



Abundance Ion 179.85 (179.55 to 180.55): V

10000 Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

