

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080818\
 Data File : VD059710.D
 Acq On : 8 Aug 2018 13:49
 Operator : VA/AP
 Sample : VD0808SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Quant Time: Aug 08 14:21:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	228643	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	276164	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.69	117	237481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	126164	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	164804	56.03	ug/l	0.02
Spiked Amount						
			Recovery	=	112.06%	
35) Dibromofluoromethane	5.54	113	137622	55.48	ug/l	0.02
Spiked Amount						
			Recovery	=	110.96%	
50) Toluene-d8	8.71	98	306254	56.72	ug/l	0.02
Spiked Amount						
			Recovery	=	113.44%	
62) 4-Bromofluorobenzene	11.93	95	137705	55.26	ug/l	0.00
Spiked Amount						
			Recovery	=	110.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	51880	16.165	ug/l	99
3) Chloromethane	1.48	50	25339	17.719	ug/l #	88
4) Vinyl Chloride	1.55	62	30364	18.185	ug/l	90
5) Bromomethane	1.79	94	9652	17.565	ug/l	97
6) Chloroethane	1.88	64	10656	15.703	ug/l #	82
7) Trichlorofluoromethane	2.08	101	51318	18.857	ug/l	99
8) Diethyl Ether	2.35	74	10144	20.348	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.55	101	31871	20.733	ug/l	96
10) Methyl Iodide	2.69	142	35429	20.047	ug/l	93
11) Tert butyl alcohol	3.27	59	10706	100.035	ug/l #	76
12) 1,1-Dichloroethene	2.54	96	22707	20.217	ug/l	98
13) Acrolein	2.48	56	8821	87.752	ug/l	94
14) Allyl chloride	2.92	41	53808	20.938	ug/l	93
15) Acrylonitrile	3.36	53	30463	102.623	ug/l #	94
16) Acetone	2.61	43	50080	90.643	ug/l	98
17) Carbon Disulfide	2.75	76	78494	19.346	ug/l #	93
18) Methyl Acetate	2.93	43	19373	18.976	ug/l #	88
19) Methyl tert-butyl Ether	3.41	73	105086	24.519	ug/l	99
20) Methylene Chloride	3.07	84	37296	18.100	ug/l	89
21) trans-1,2-Dichloroethene	3.38	96	34422	23.415	ug/l	89
22) Diisopropyl ether	4.07	45	124317	20.566	ug/l	90
23) Vinyl Acetate	4.02	43	401825	104.852	ug/l	98
24) 1,1-Dichloroethane	3.97	63	77270	19.313	ug/l	99
25) 2-Butanone	4.85	43	63739	87.835	ug/l	94
26) 2,2-Dichloropropane	4.80	77	85745	20.068	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	40851	19.138	ug/l	93
28) Bromochloromethane	5.15	49	29485	19.961	ug/l	91
29) Tetrahydrofuran	5.18	42	28451	101.235	ug/l	94
30) Chloroform	5.33	83	91362	18.734	ug/l	99
31) Cyclohexane	5.59	56	50831	17.321	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	89479	18.864	ug/l	95
36) 1,1-Dichloropropene	5.74	75	63001	20.520	ug/l	96
37) Ethyl Acetate	4.92	43	30331	20.347	ug/l #	95
38) Carbon Tetrachloride	5.73	117	83920	20.425	ug/l	99

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 Data File : VD059710.D
 Acq On : 8 Aug 2018 13:49
 Operator : VA/AP
 Sample : VD0808SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
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Quant Time: Aug 08 14:21:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	47497	18.305	ug/l	94
40) Benzene	6.02	78	117117	19.669	ug/l	99
41) Methacrylonitrile	5.13	41	14414	20.680	ug/l	94
42) 1,2-Dichloroethane	6.13	62	77313	21.003	ug/l	96
43) Isopropyl Acetate	7.62	43	38922	19.976	ug/l	96
44) Trichloroethene	6.98	130	42815	19.681	ug/l	91
45) 1,2-Dichloropropane	7.34	63	31159	19.817	ug/l	93
46) Dibromomethane	7.46	93	24661	18.100	ug/l	91
47) Bromodichloromethane	7.75	83	69029	19.891	ug/l	98
48) Methyl methacrylate	7.50	41	26889	20.908	ug/l	93
49) 1,4-Dioxane	7.50	88	3907	375.458	ug/l #	76
51) 4-Methyl-2-Pentanone	8.60	43	133159	93.710	ug/l	99
52) Toluene	8.80	92	78095	20.561	ug/l	95
53) t-1,3-Dichloropropene	9.18	75	61918	21.089	ug/l	96
54) cis-1,3-Dichloropropene	8.36	75	60905	20.140	ug/l	93
55) 1,1,2-Trichloroethane	9.46	97	29528	20.240	ug/l	93
56) Ethyl methacrylate	9.31	69	34824	21.634	ug/l	93
57) 1,3-Dichloropropane	9.67	76	44353	19.592	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.19	63	89395	116.570	ug/l	97
59) 2-Hexanone	9.78	43	100080	93.792	ug/l	97
60) Dibromochloromethane	9.96	129	48097	20.746	ug/l	93
61) 1,2-Dibromoethane	10.10	107	33360	19.886	ug/l	98
64) Tetrachloroethene	9.52	164	41993	18.676	ug/l	97
65) Chlorobenzene	10.73	112	97598	19.503	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	43203	19.692	ug/l	96
67) Ethyl Benzene	10.86	91	172104	19.096	ug/l	96
68) m/p-Xylenes	11.01	106	114829	39.827	ug/l	83
69) o-Xylene	11.41	106	54523	19.452	ug/l	91
70) Styrene	11.44	104	96421	20.494	ug/l	91
71) Bromoform	11.60	173	33124	20.040	ug/l #	95
73) Isopropylbenzene	11.77	105	172799	20.380	ug/l	100
74) N-amyl acetate	11.64	43	53840	19.848	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	33906	19.928	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	41287	21.169	ug/l	97
77) Bromobenzene	12.04	156	50458	20.417	ug/l	98
78) n-propylbenzene	12.16	91	207476	19.746	ug/l	95
79) 2-Chlorotoluene	12.21	91	123550	19.470	ug/l	94
80) 1,3,5-Trimethylbenzene	12.32	105	148533	21.030	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	9302	19.543	ug/l	90
82) 4-Chlorotoluene	12.32	91	149381	20.109	ug/l	94
83) tert-Butylbenzene	12.58	119	160753	20.335	ug/l	91
84) 1,2,4-Trimethylbenzene	12.63	105	147393	19.692	ug/l	98
85) sec-Butylbenzene	12.76	105	171591	19.546	ug/l	97
86) p-Isopropyltoluene	12.88	119	152672	20.393	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	85752	20.105	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	84359	19.825	ug/l	98
89) n-Butylbenzene	13.20	91	148256	19.530	ug/l	98
90) Hexachloroethane	13.40	117	37002	19.069	ug/l	89
91) 1,2-Dichlorobenzene	13.19	146	73218	20.383	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7046	19.828	ug/l	69

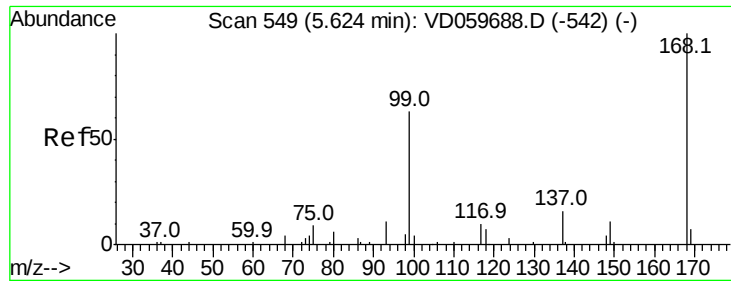
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080818\
Data File : VD059710.D
Acq On : 8 Aug 2018 13:49
Operator : VA/AP
Sample : VD0808SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

Quant Time: Aug 08 14:21:48 2018
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Quant Title : SW846 8260
QLast Update : Wed Aug 08 02:03:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	64553	19.977	ug/l	98
94) Hexachlorobutadiene	14.44	225	47868	19.101	ug/l	95
95) Naphthalene	14.52	128	91660	19.154	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	53015	18.756	ug/l	95

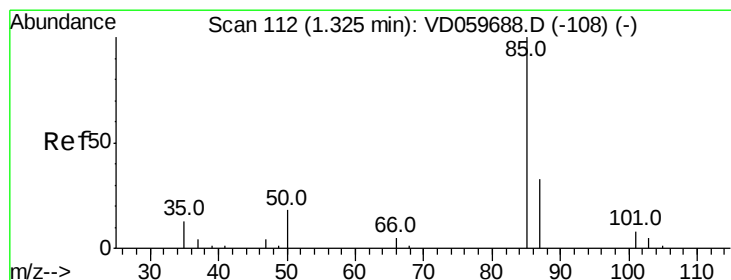
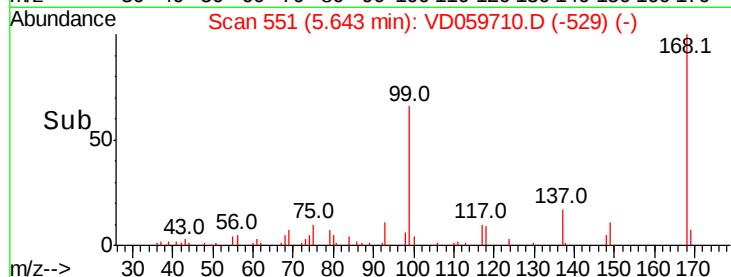
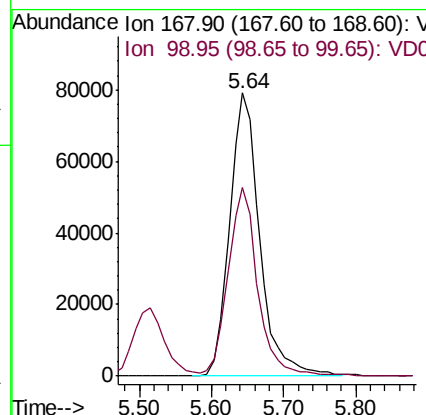
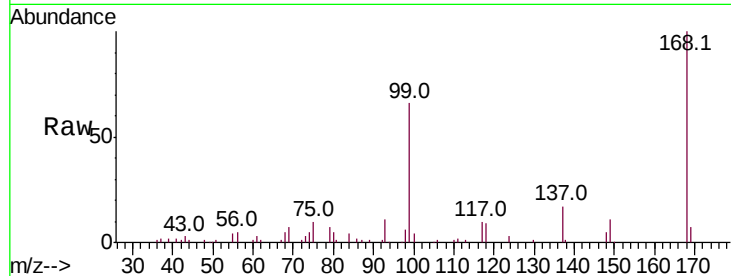
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 551
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

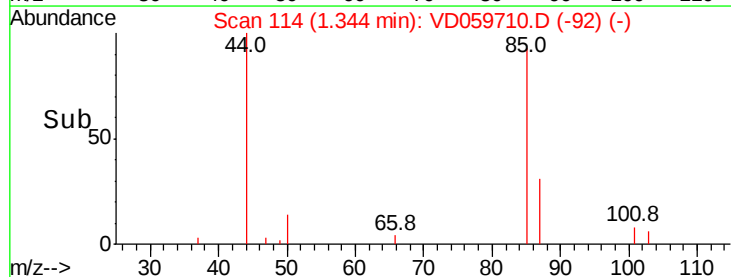
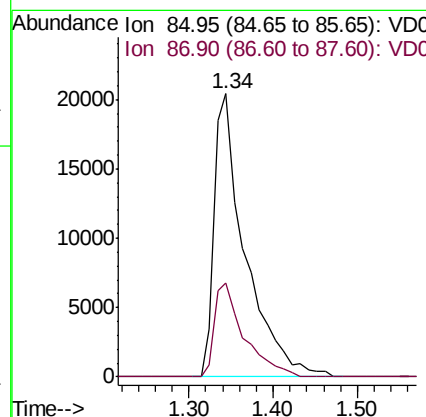
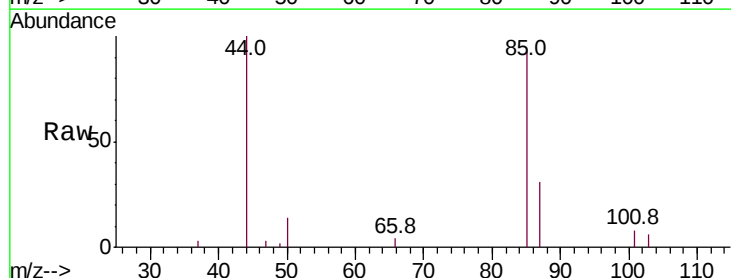
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

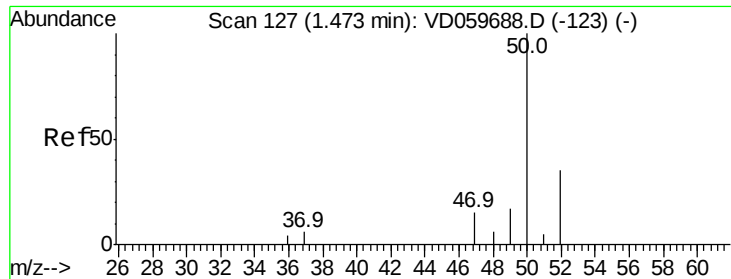
Tot Ion:168 Resp: 228643
Ion Ratio Lower Upper
168 100
99 66.5 53.4 80.2



#2
Dichlorodifluoromethane
Concen: 16.165 ug/l
RT: 1.34 min Scan# 114
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 85 Resp: 51880
Ion Ratio Lower Upper
85 100
87 33.0 16.4 49.1





#3

Chloromethane

Concen: 17.719 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

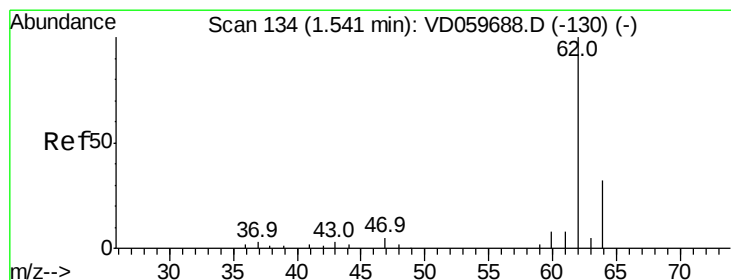
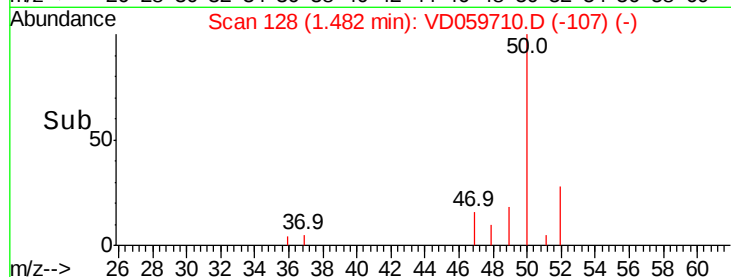
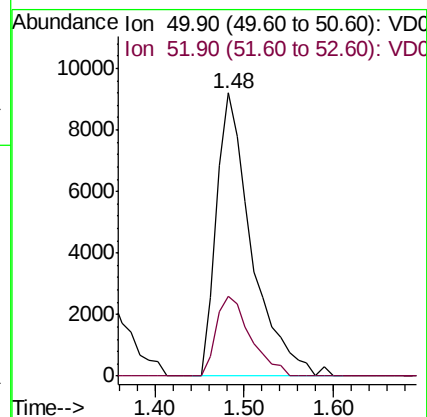
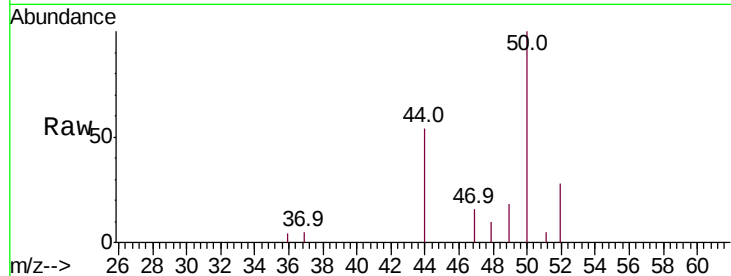
VD0808SBS01

Tot Ion: 50 Resp: 25339

Ion Ratio Lower Upper

50 100

52 28.0 28.2 42.4#



#4

Vinyl Chloride

Concen: 18.185 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.01 min

Lab File: VD059710.D

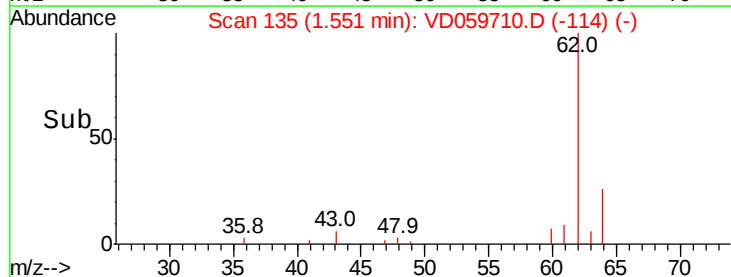
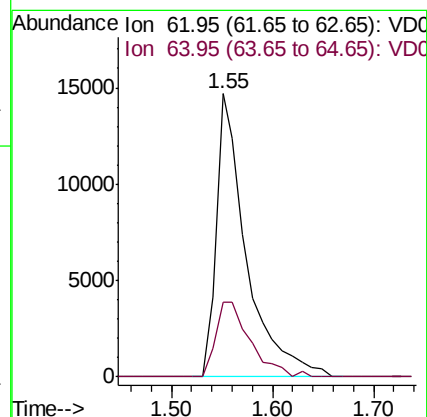
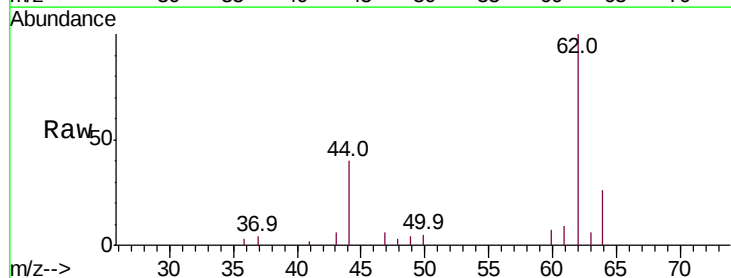
Acq: 8 Aug 2018 13:49

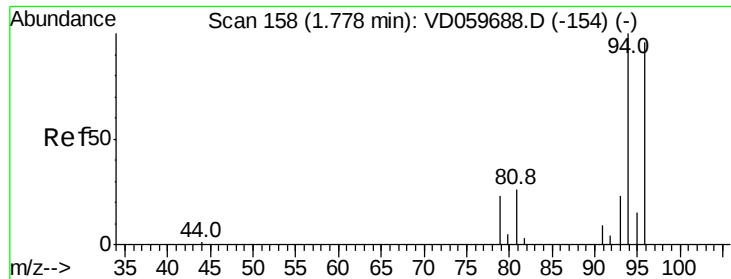
Tgt Ion: 62 Resp: 30364

Ion Ratio Lower Upper

62 100

64 26.3 25.4 38.0





#5

Bromomethane

Concen: 17.565 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

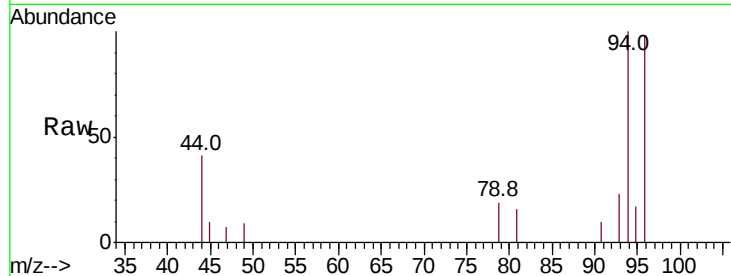
VD0808SBSD01

Tot Ion: 94 Resp: 9652

Ion Ratio Lower Upper

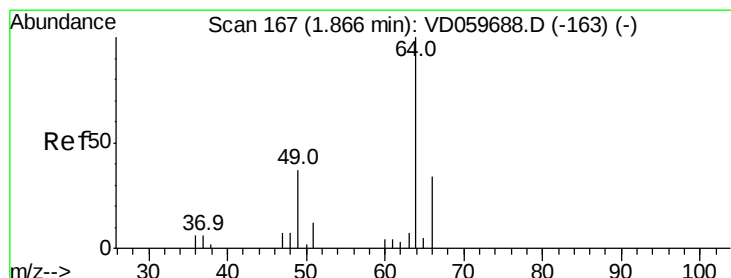
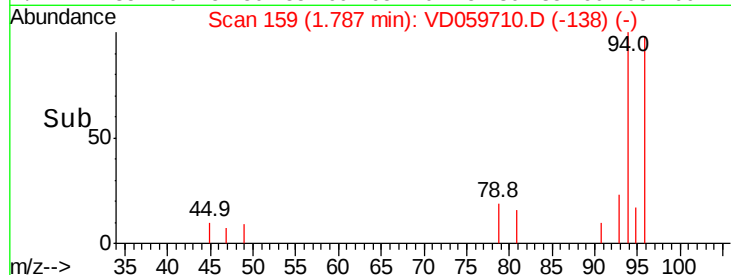
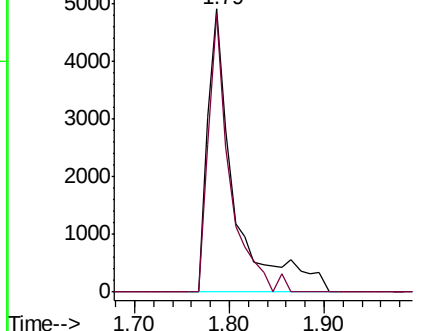
94 100

96 98.2 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 15.703 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD059710.D

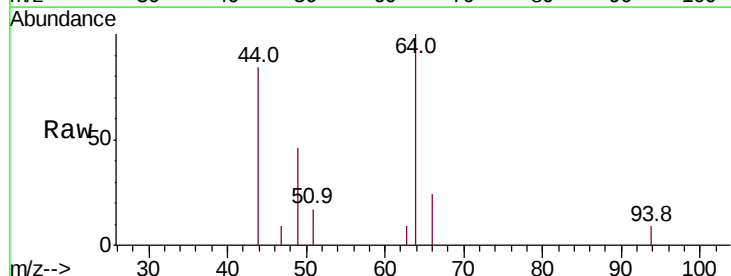
Acq: 8 Aug 2018 13:49

Tgt Ion: 64 Resp: 10656

Ion Ratio Lower Upper

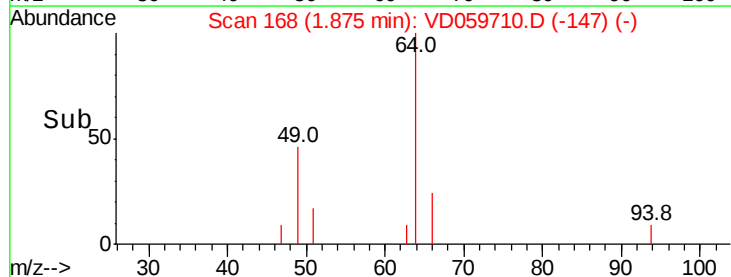
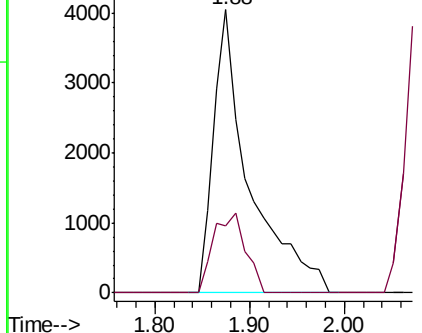
64 100

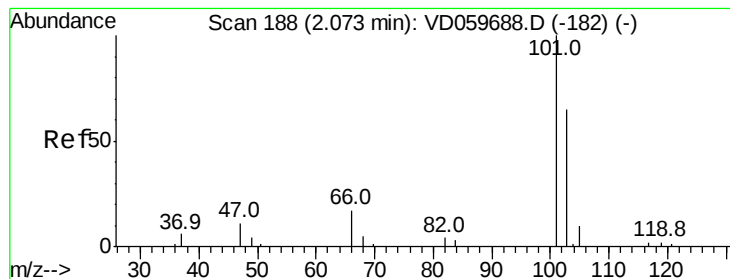
66 23.7 27.2 40.8#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



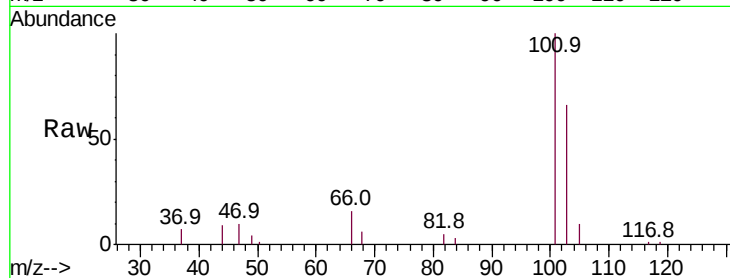


#7

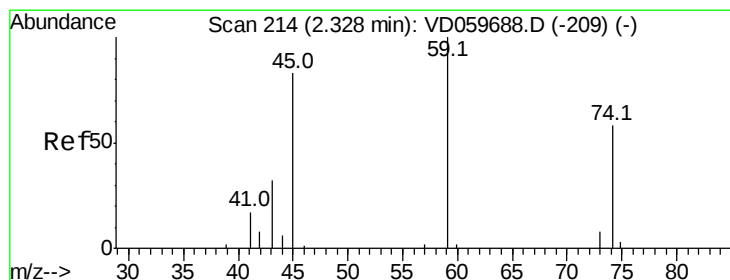
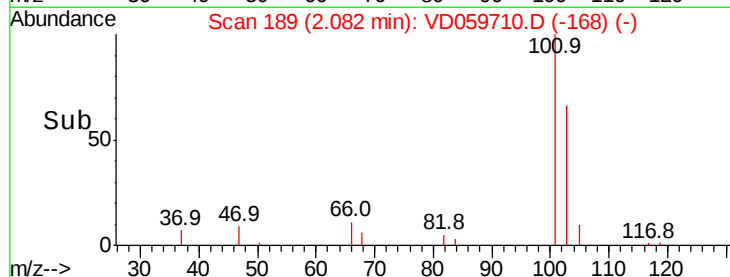
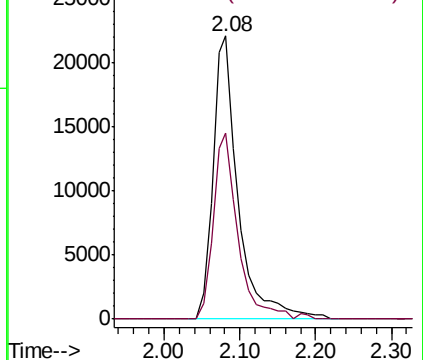
Trichlorofluoromethane
Concen: 18.857 ug/l
RT: 2.08 min Scan# 189
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

Tot Ion:101 Resp: 51318
Ion Ratio Lower Upper
101 100
103 65.7 51.7 77.5



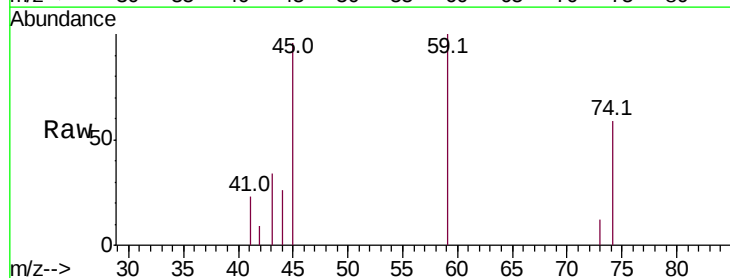
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



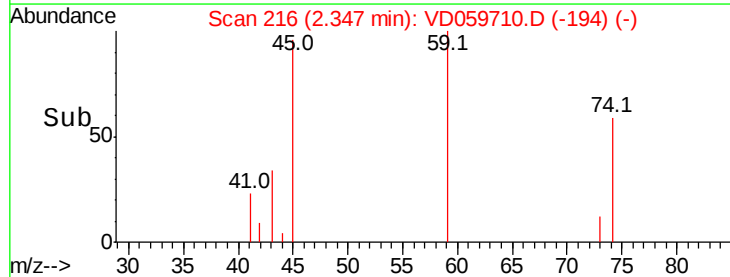
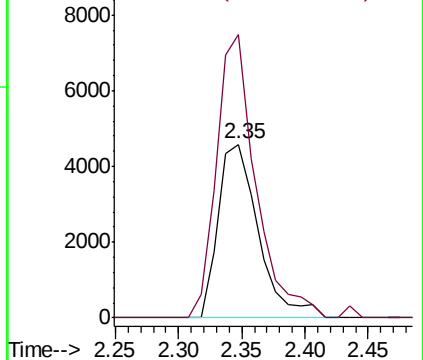
#8

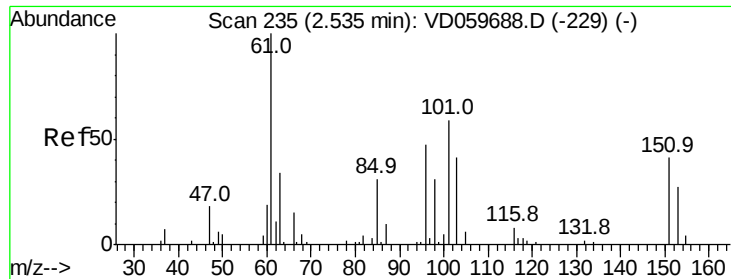
Diethyl Ether
Concen: 20.348 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 74 Resp: 10144
Ion Ratio Lower Upper
74 100
45 162.8 71.4 214.2



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.733 ug/l

RT: 2.55 min Scan# 237

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

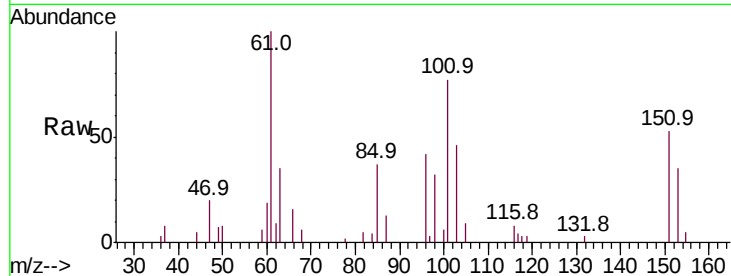
Tot Ion:101 Resp: 31871

Ion Ratio Lower Upper

101 100

85 47.3 42.2 63.4

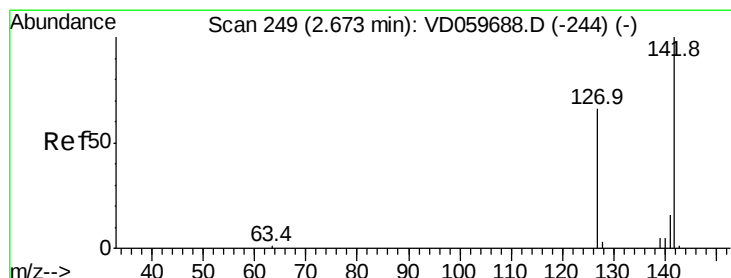
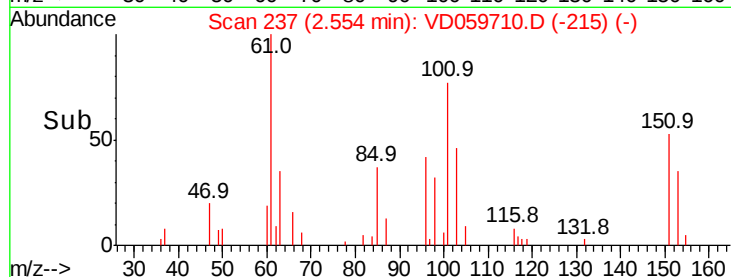
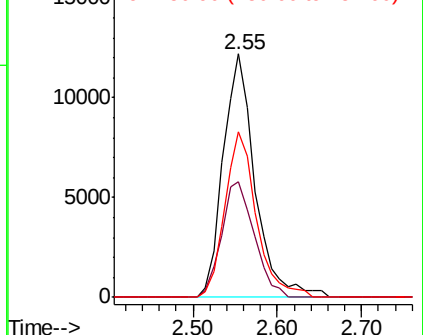
151 68.1 55.2 82.8



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: 20.047 ug/l

RT: 2.69 min Scan# 251

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

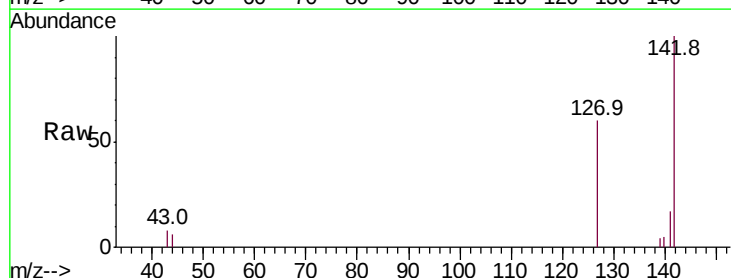
Tgt Ion:142 Resp: 35429

Ion Ratio Lower Upper

142 100

127 59.8 52.6 79.0

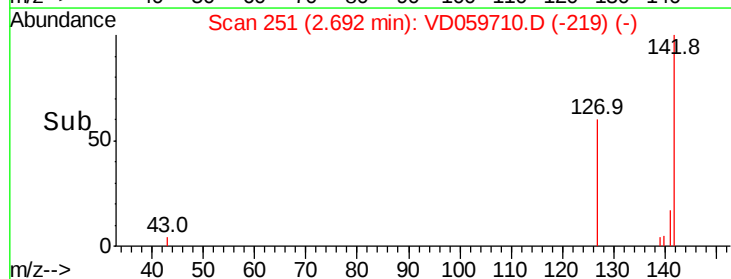
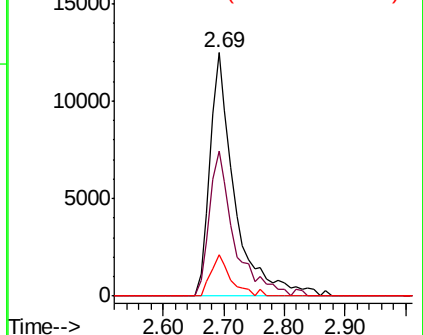
141 16.8 12.5 18.7

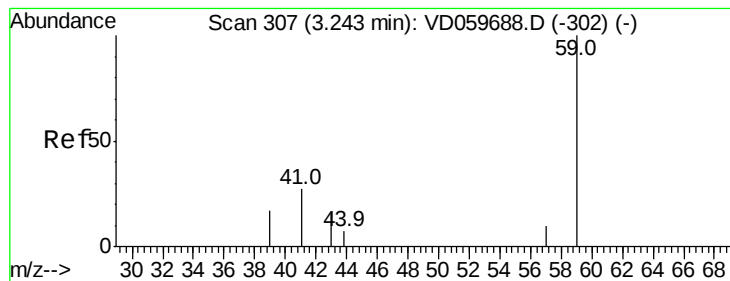


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



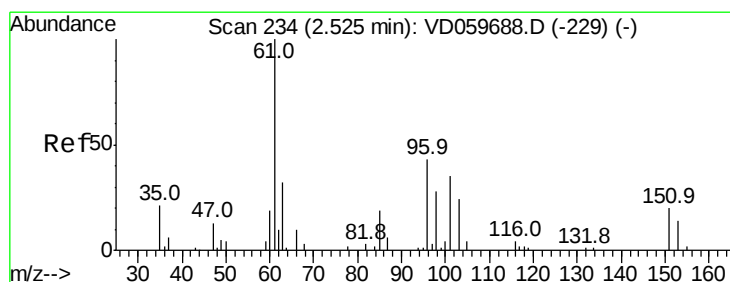
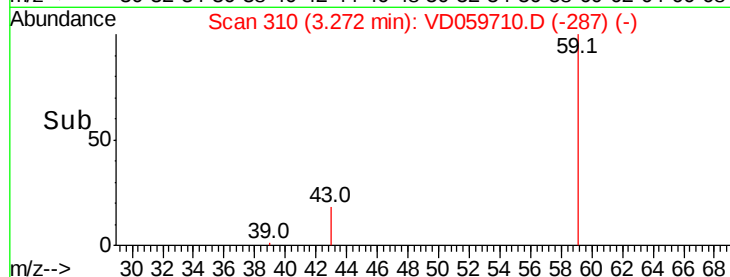
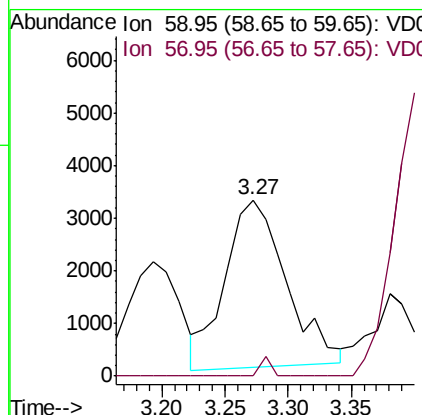
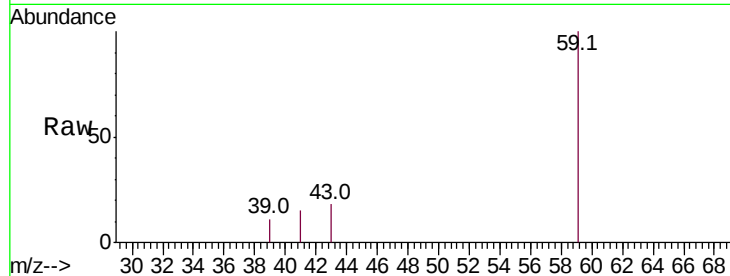


#11

Tert butyl alcohol
 Concen: 100.035 ug/l
 RT: 3.27 min Scan# 310
 Delta R.T. 0.03 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

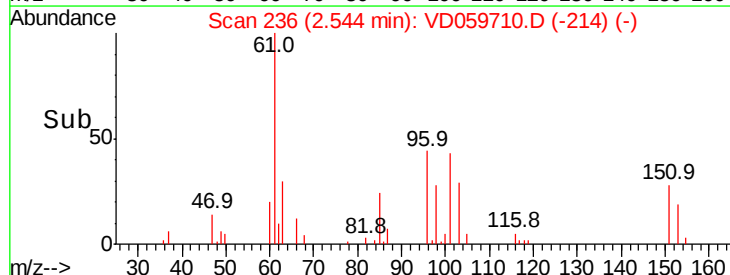
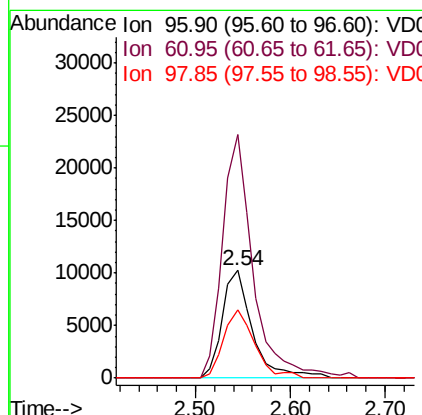
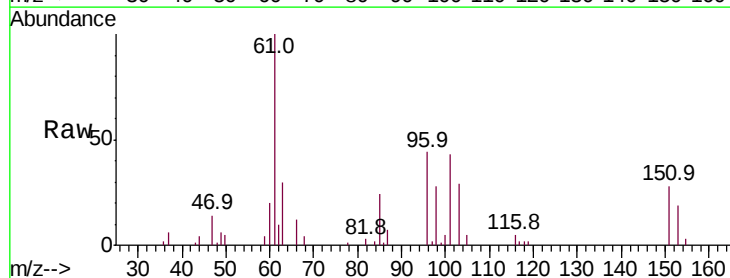
Tot Ion: 59 Resp: 10706
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.8 10.2#

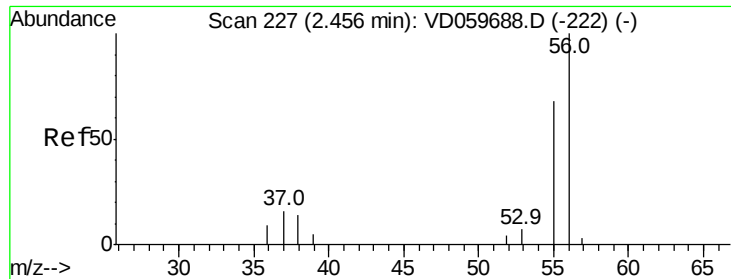


#12

1,1-Dichloroethene
 Concen: 20.217 ug/l
 RT: 2.54 min Scan# 236
 Delta R.T. 0.02 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion: 96 Resp: 22707
 Ion Ratio Lower Upper
 96 100
 61 226.4 184.1 276.1
 98 63.0 52.4 78.6





#13

Acrolein

Concen: 87.752 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

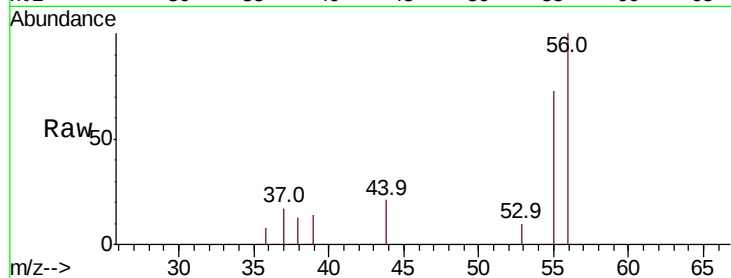
VD0808SBSD01

Tot Ion: 56 Resp: 8821

Ion Ratio Lower Upper

56 100

55 73.1 54.4 81.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.48

4000

3000

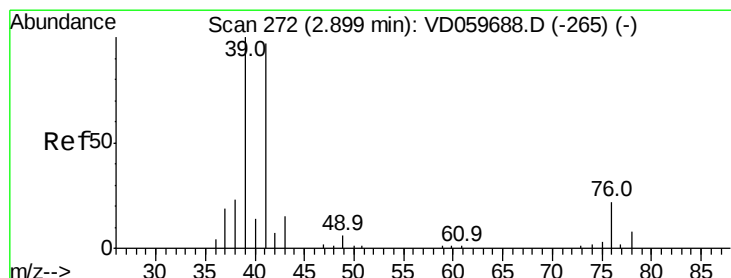
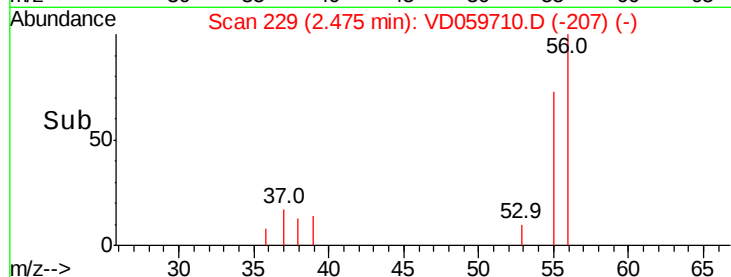
2000

1000

0

Time-->

2.40 2.45 2.50 2.55



#14

Allyl chloride

Concen: 20.938 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

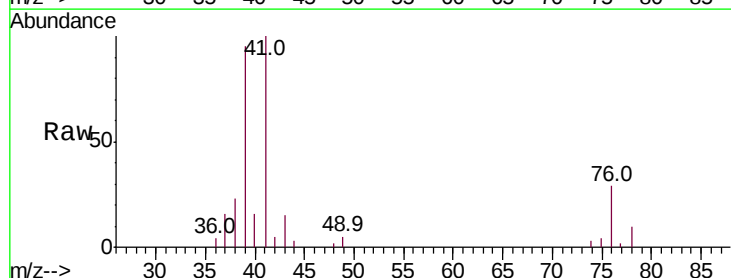
Tgt Ion: 41 Resp: 53808

Ion Ratio Lower Upper

41 100

39 94.9 82.5 123.7

76 28.6 22.1 33.1



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

2.92

30000

25000

20000

15000

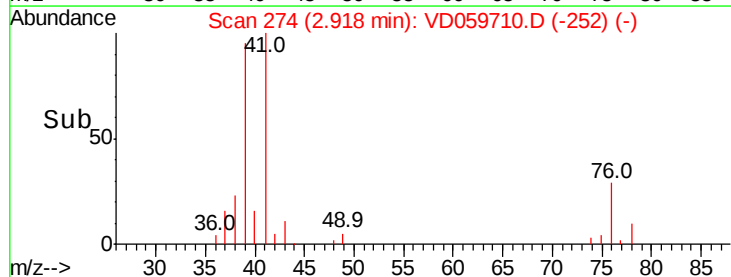
10000

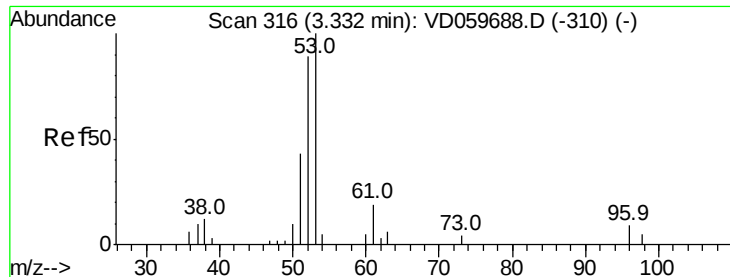
5000

0

Time-->

2.80 2.90 3.00





#15

Acrylonitrile

Concen: 102.623 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.03 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

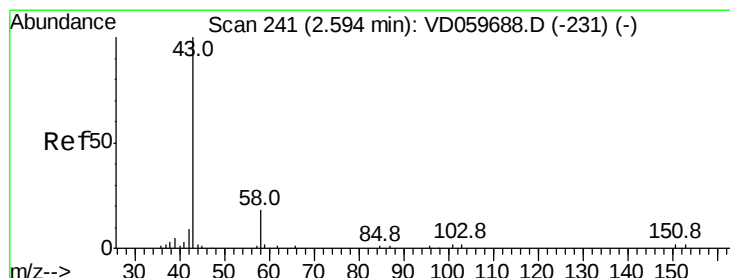
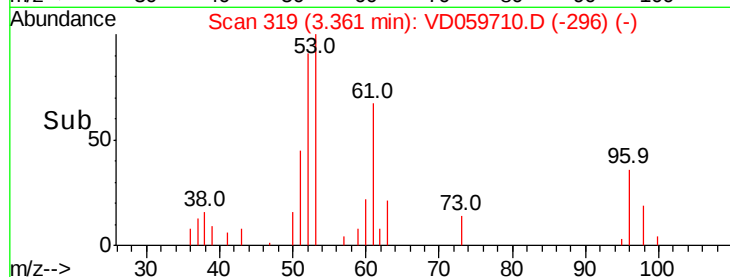
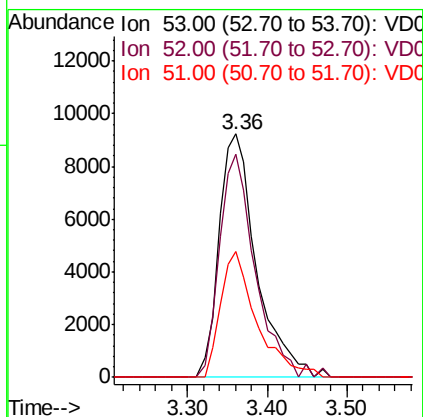
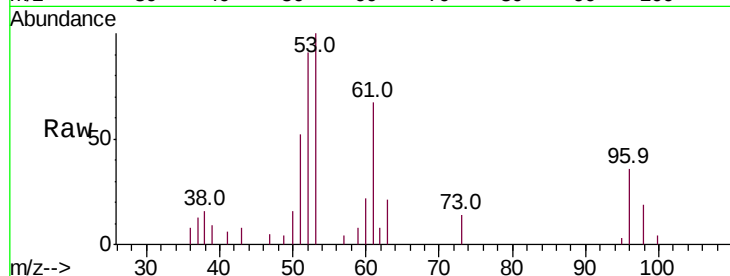
Tot Ion: 53 Resp: 30463

Ion Ratio Lower Upper

53 100

52 91.4 71.4 107.0

51 51.8 34.2 51.4#



#16

Acetone

Concen: 90.643 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD059710.D

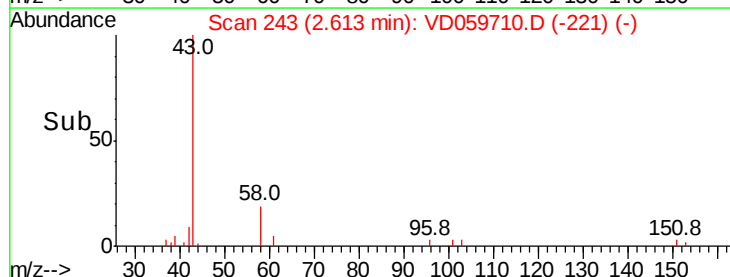
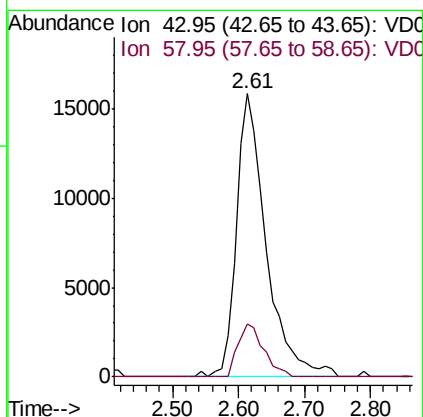
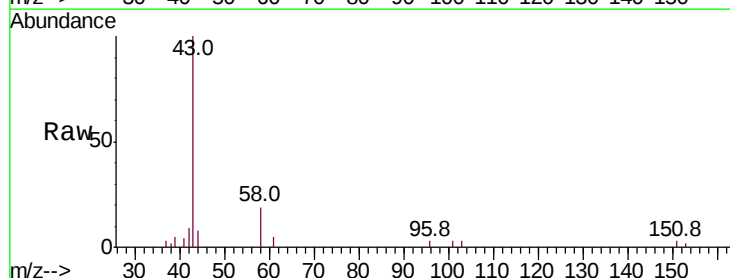
Acq: 8 Aug 2018 13:49

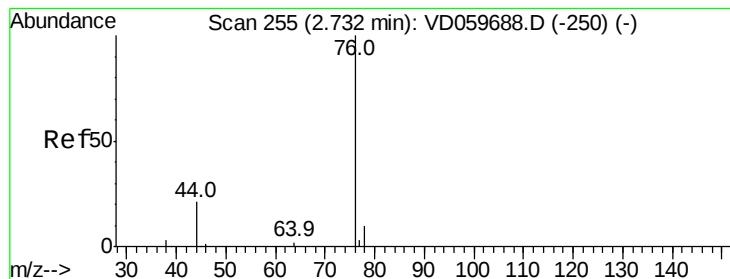
Tgt Ion: 43 Resp: 50080

Ion Ratio Lower Upper

43 100

58 18.7 14.2 21.2





#17

Carbon Disulfide

Concen: 19.346 ug/l

RT: 2.75 min Scan# 257

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

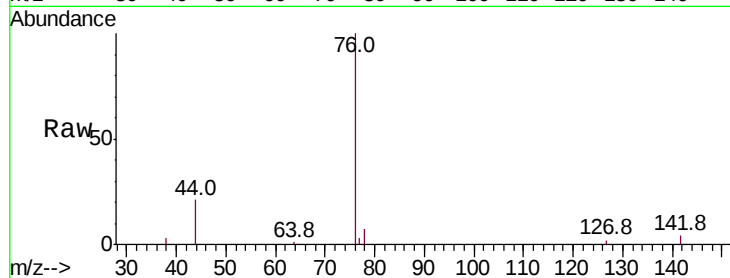
VD0808SBS01

Tot Ion: 76 Resp: 78494

Ion Ratio Lower Upper

76 100

78 7.2 7.7 11.5#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

2.75

30000

20000

10000

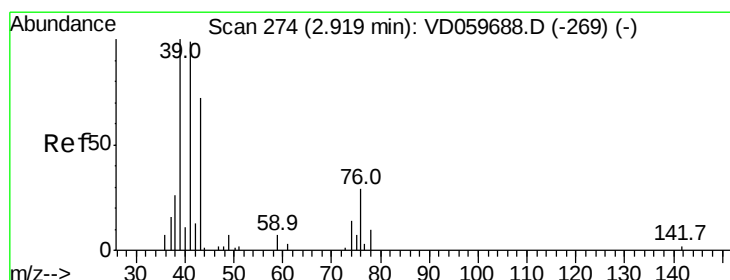
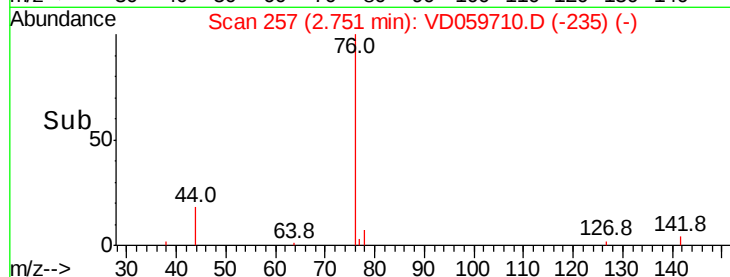
0

Time-->

2.70

2.80

2.90



#18

Methyl Acetate

Concen: 18.976 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.01 min

Lab File: VD059710.D

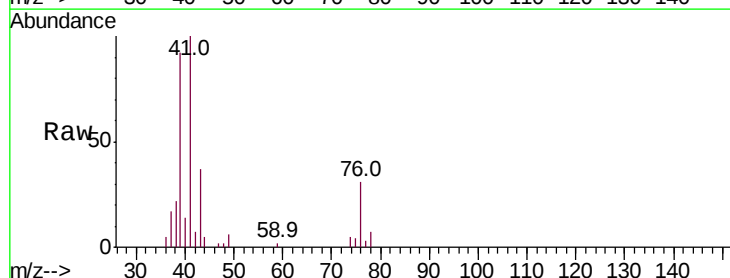
Acq: 8 Aug 2018 13:49

Tgt Ion: 43 Resp: 19373

Ion Ratio Lower Upper

43 100

74 13.9 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

2.93

8000

6000

4000

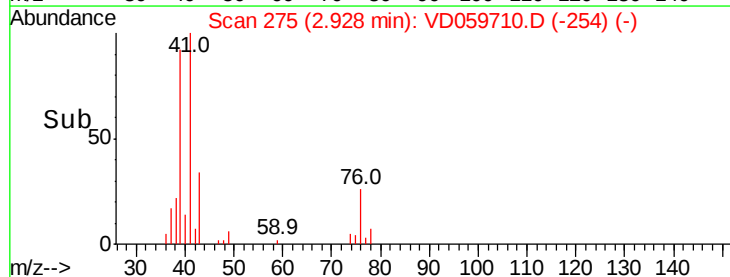
2000

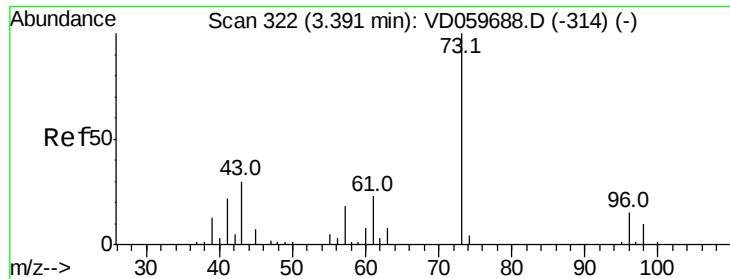
0

Time-->

2.90

3.00

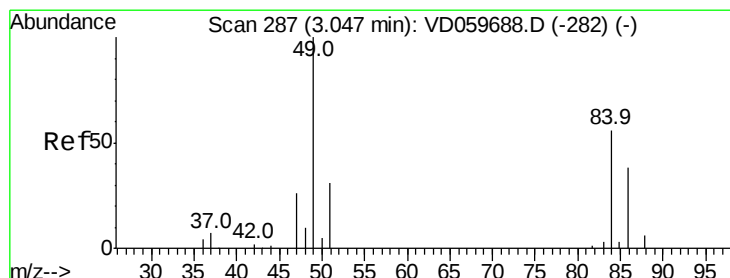
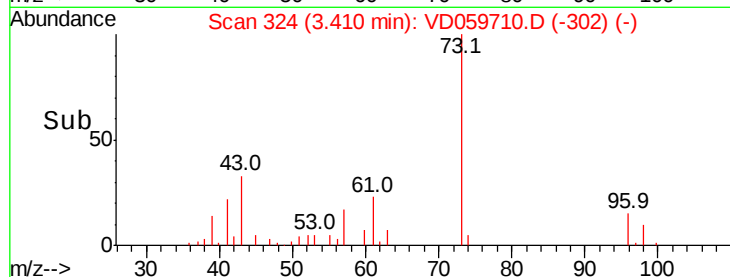
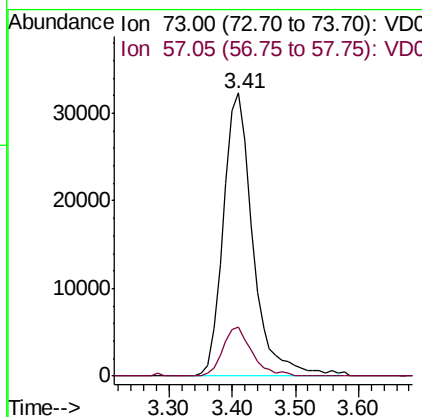
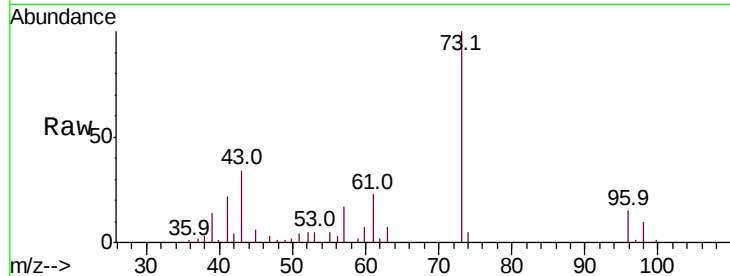




#19
Methvl tert-butvl Ether
Concen: 24.519 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

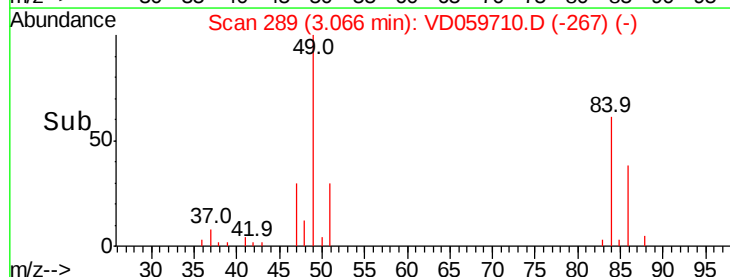
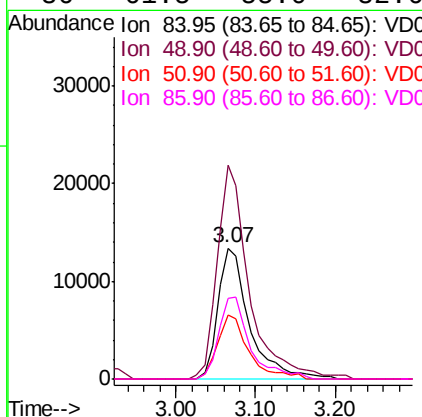
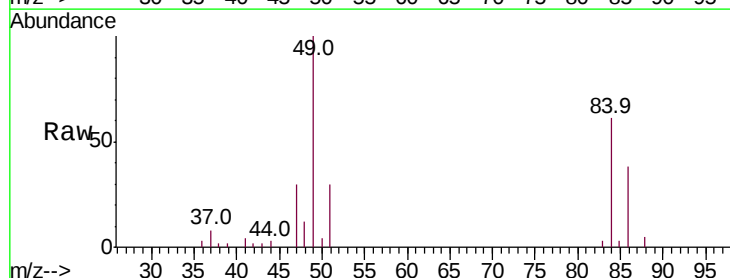
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

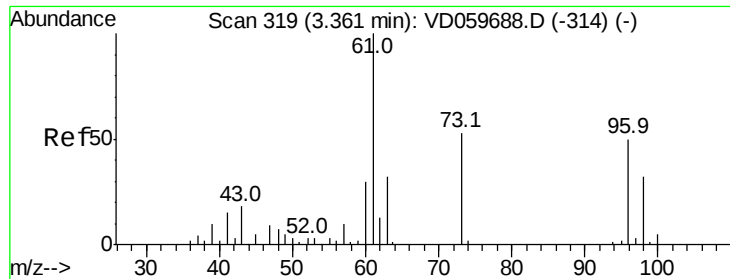
Tot Ion: 73 Resp: 105086
Ion Ratio Lower Upper
73 100
57 17.3 14.3 21.5



#20
Methylene Chloride
Concen: 18.100 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 84 Resp: 37296
Ion Ratio Lower Upper
84 100
49 162.9 143.4 215.2
51 48.8 44.2 66.4
86 61.5 55.0 82.6





#21

trans-1,2-Dichloroethene

Concen: 23.415 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

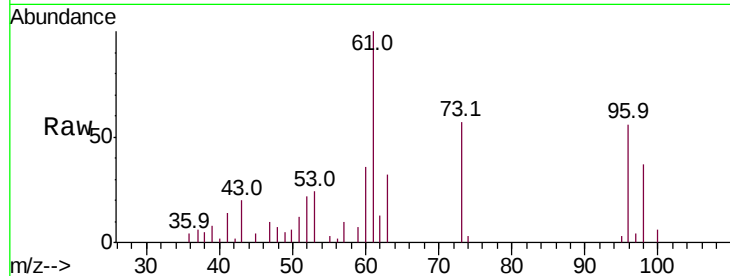
Tot Ion: 96 Resp: 34422

Ion Ratio Lower Upper

96 100

61 179.3 160.6 241.0

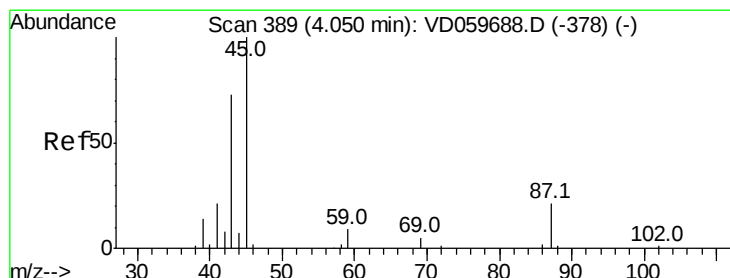
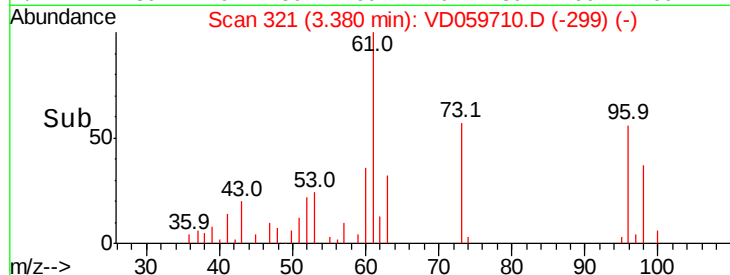
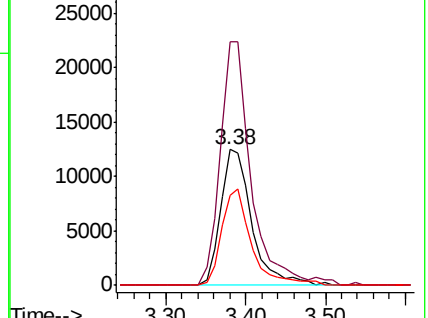
98 65.9 50.9 76.3



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: 20.566 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Tgt Ion: 45 Resp: 124317

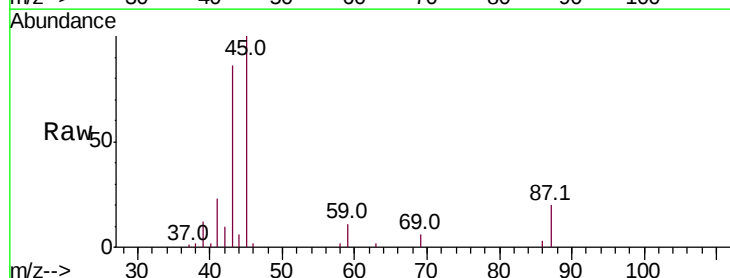
Ion Ratio Lower Upper

45 100

43 86.0 60.3 90.5

87 19.7 17.0 25.6

59 11.5 7.9 11.9

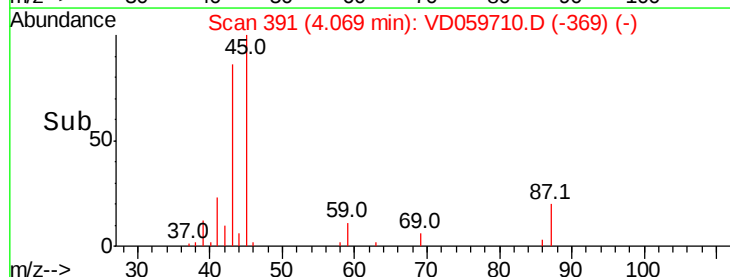
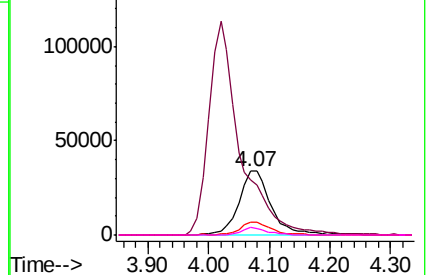


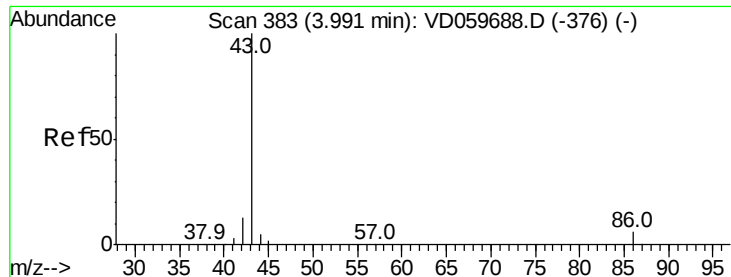
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 104.852 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.03 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

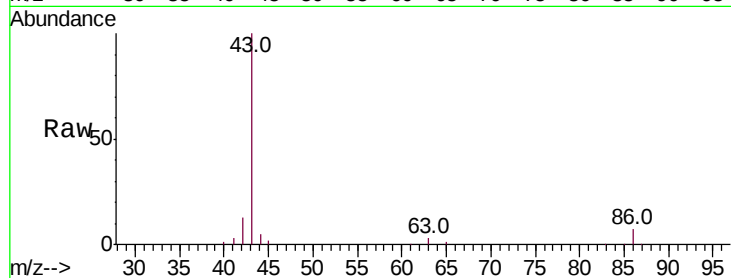
VD0808SBS01

Tot Ion: 43 Resp: 401825

Ion Ratio Lower Upper

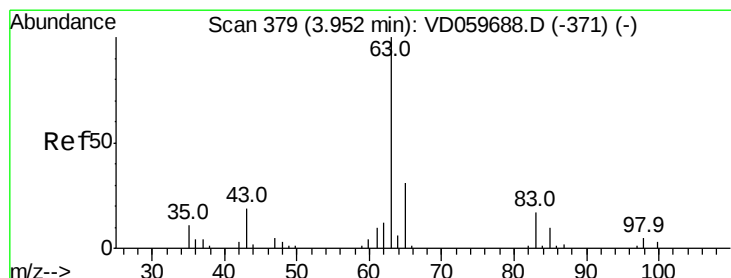
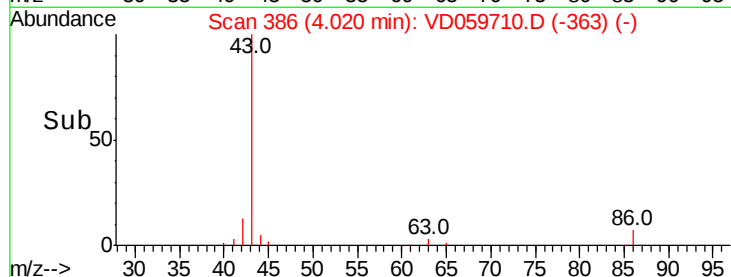
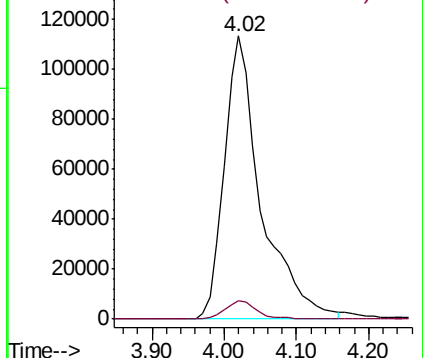
43 100

86 6.7 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.313 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

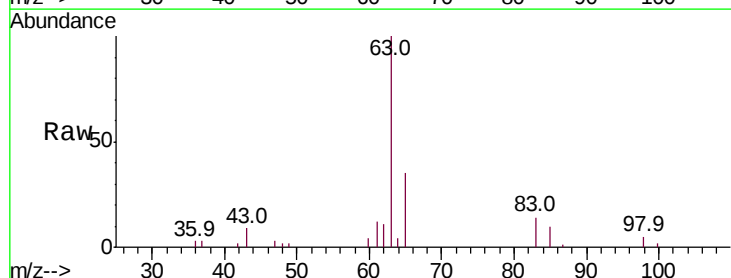
Tgt Ion: 63 Resp: 77270

Ion Ratio Lower Upper

63 100

98 4.9 2.4 7.1

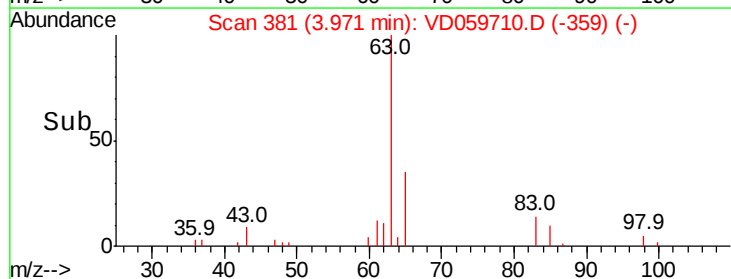
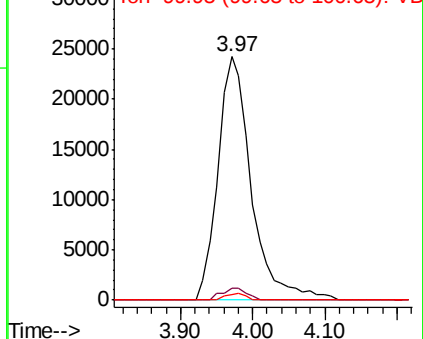
100 2.3 1.6 4.8

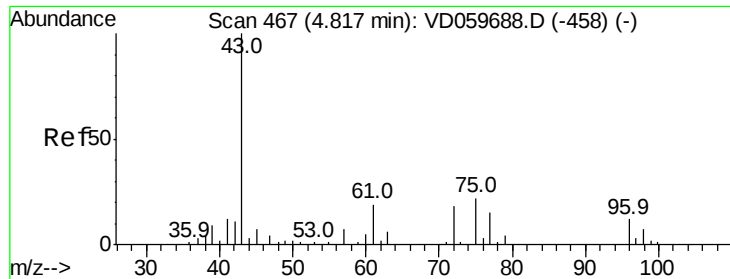


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 87.835 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

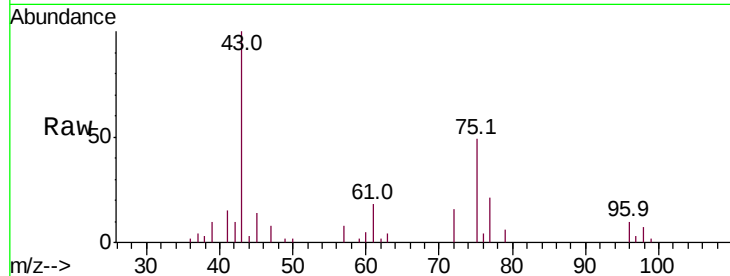
VD0808SBSD01

Tot Ion: 43 Resp: 63739

Ion Ratio Lower Upper

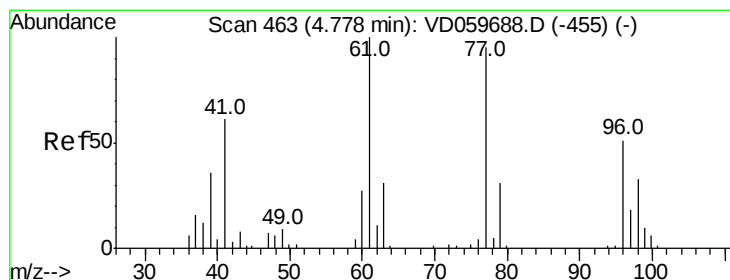
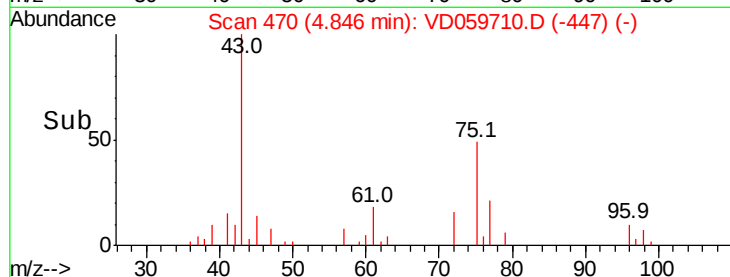
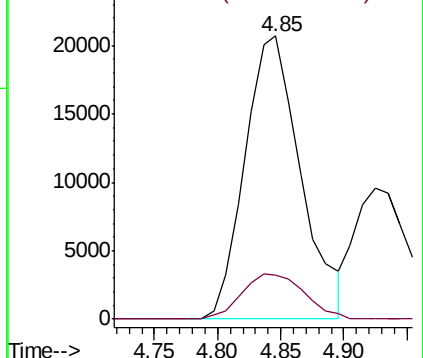
43 100

72 15.8 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.068 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.02 min

Lab File: VD059710.D

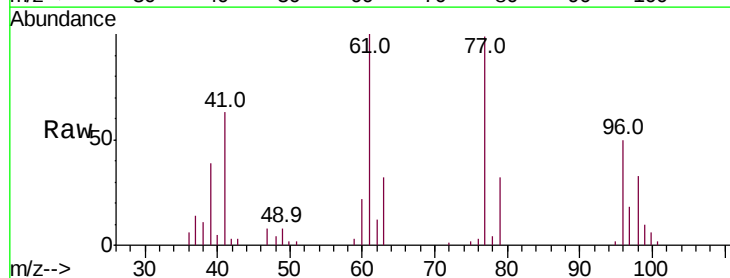
Acq: 8 Aug 2018 13:49

Tgt Ion: 77 Resp: 85745

Ion Ratio Lower Upper

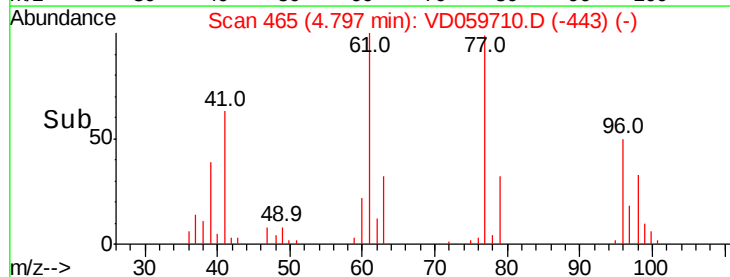
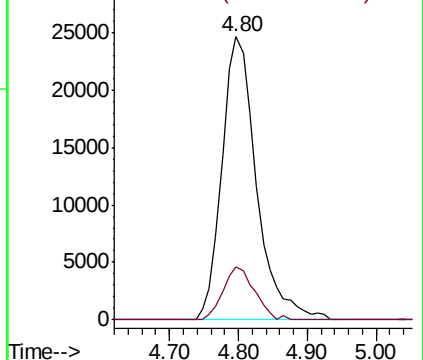
77 100

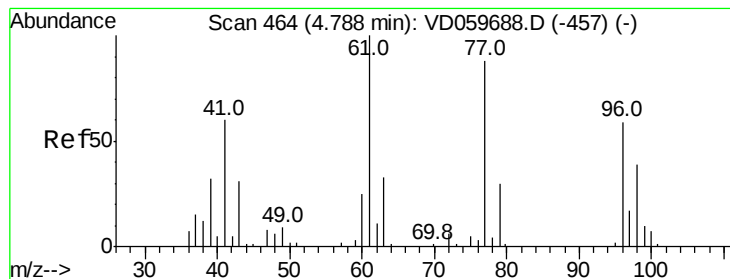
97 18.5 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



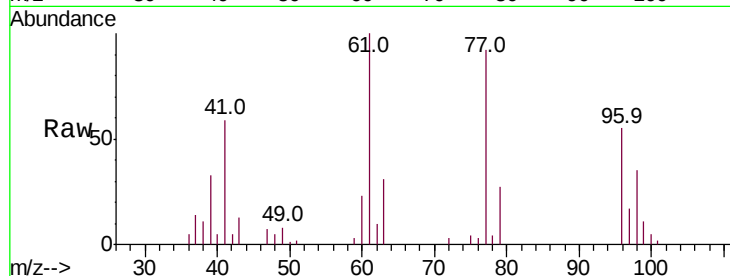


#27

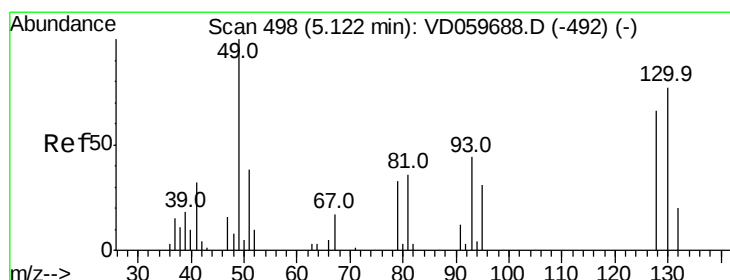
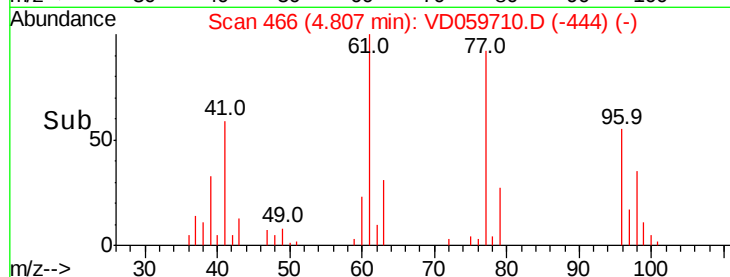
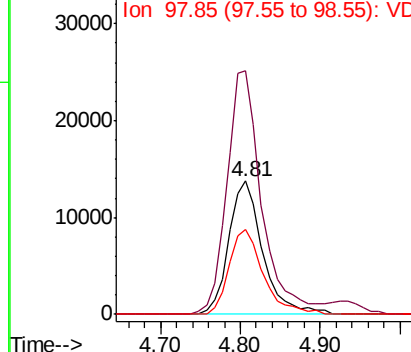
cis-1,2-Dichloroethene
 Concen: 19.138 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. 0.02 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

Tot Ion: 96 Resp: 40851
 Ion Ratio Lower Upper
 96 100
 61 182.6 0.0 341.6
 98 63.8 0.0 131.0



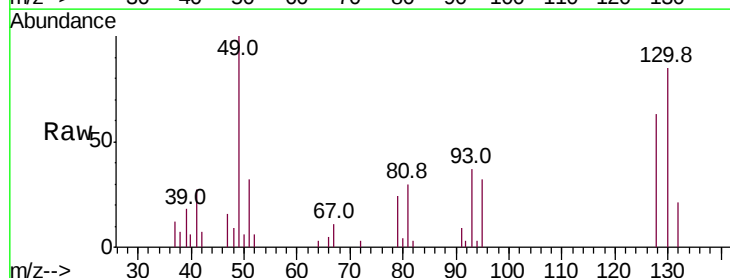
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



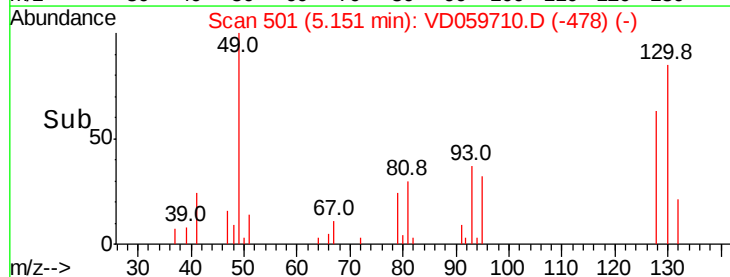
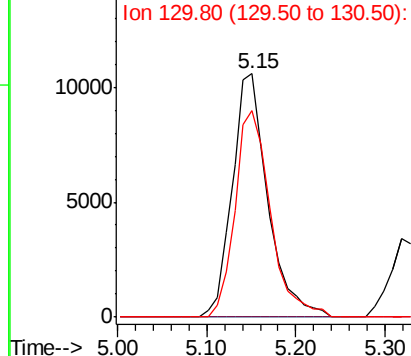
#28

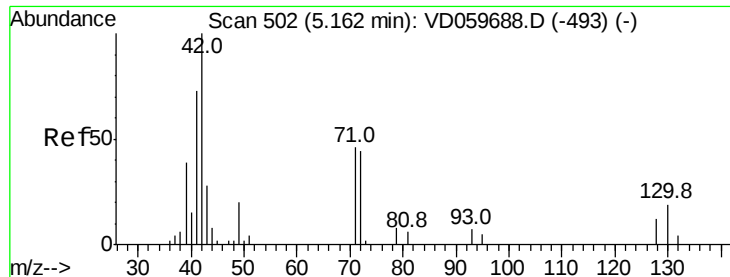
Bromochloromethane
 Concen: 19.961 ug/l
 RT: 5.15 min Scan# 501
 Delta R.T. 0.03 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion: 49 Resp: 29485
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 84.7 61.2 91.8



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: 101.235 ug/l

RT: 5.18 min Scan# 504

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

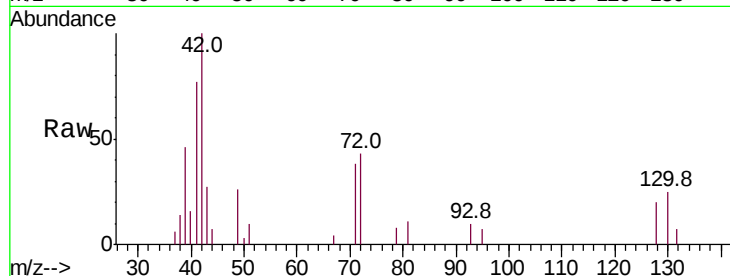
Tot Ion: 42 Resp: 28451

Ion Ratio Lower Upper

42 100

72 43.8 36.7 55.1

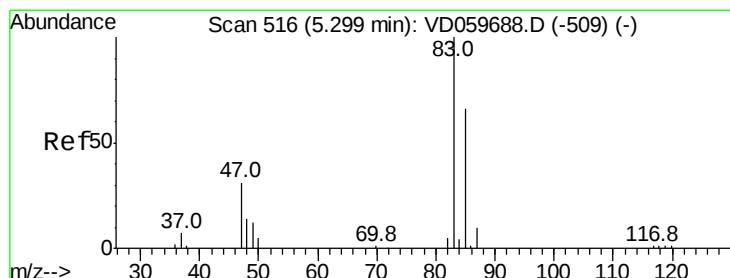
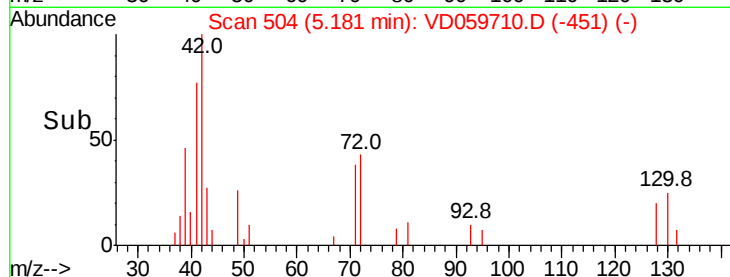
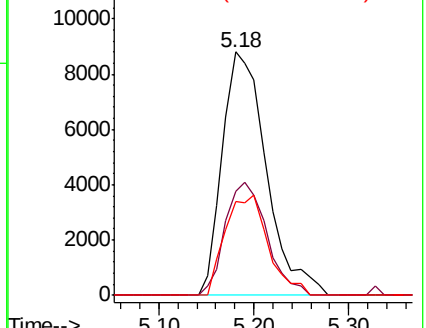
71 39.8 36.3 54.5



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: 18.734 ug/l

RT: 5.33 min Scan# 519

Delta R.T. 0.03 min

Lab File: VD059710.D

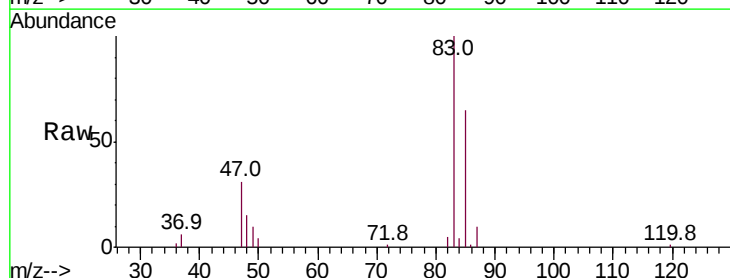
Acq: 8 Aug 2018 13:49

Tgt Ion: 83 Resp: 91362

Ion Ratio Lower Upper

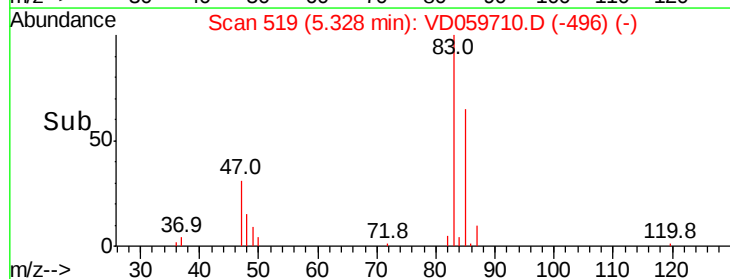
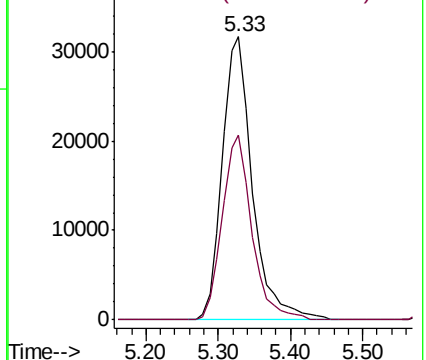
83 100

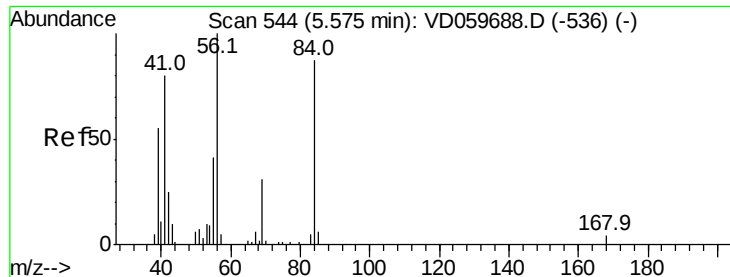
85 65.1 52.6 79.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

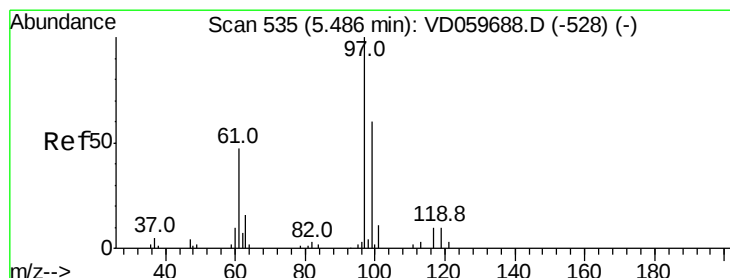
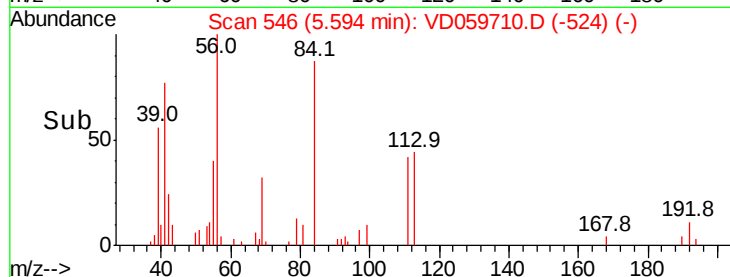
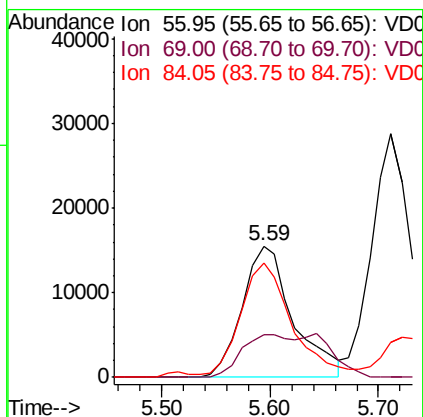
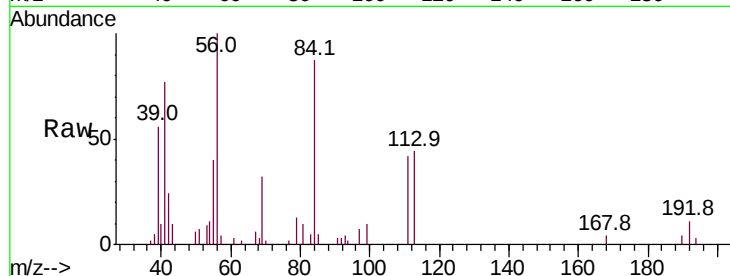




#31
Cyclohexane
Concen: 17.321 ug/l
RT: 5.59 min Scan# 546
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

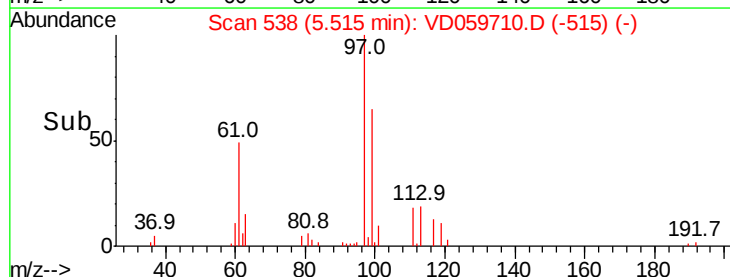
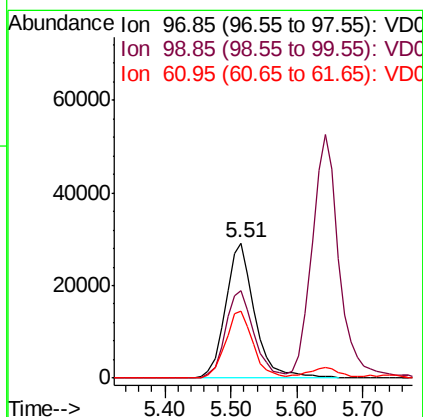
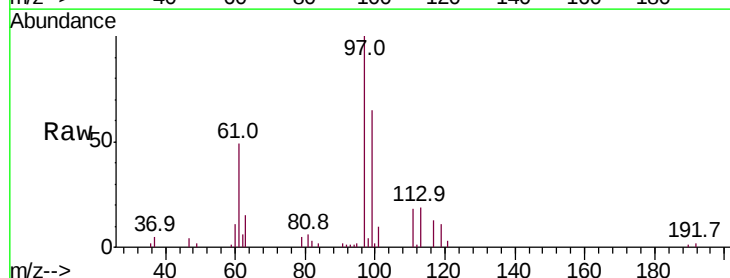
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

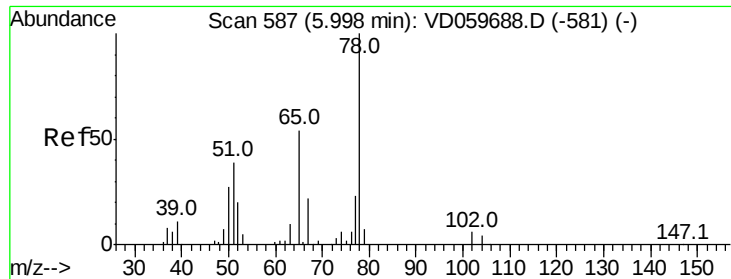
Tot Ion: 56 Resp: 50831
Ion Ratio Lower Upper
56 100
69 32.2 24.7 37.1
84 87.5 72.2 108.2



#32
1,1,1-Trichloroethane
Concen: 18.864 ug/l
RT: 5.51 min Scan# 538
Delta R.T. 0.03 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 97 Resp: 89479
Ion Ratio Lower Upper
97 100
99 65.2 48.2 72.2
61 49.4 37.5 56.3





#33

1,2-Dichloroethane-d4

Concen: 18.864 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

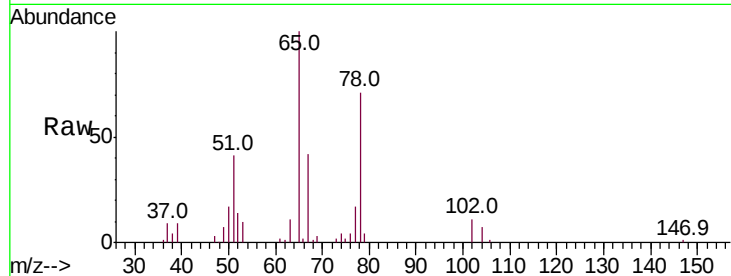
VD0808SBSD01

Tot Ion: 65 Resp: 164804

Ion Ratio Lower Upper

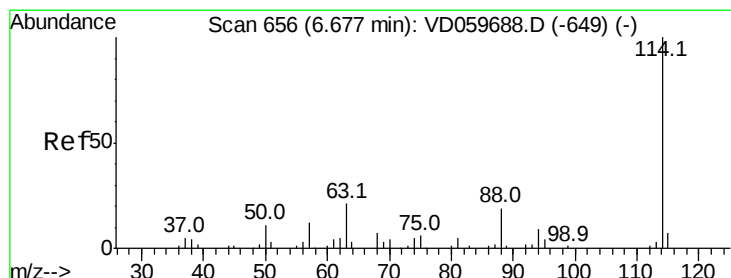
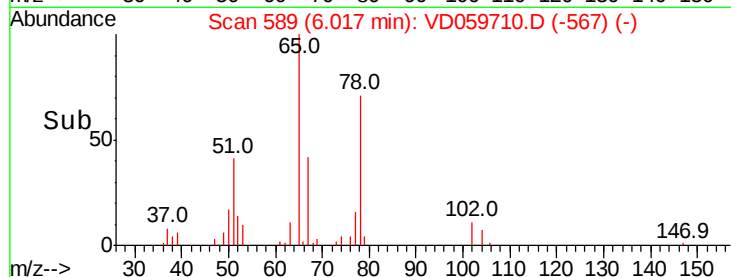
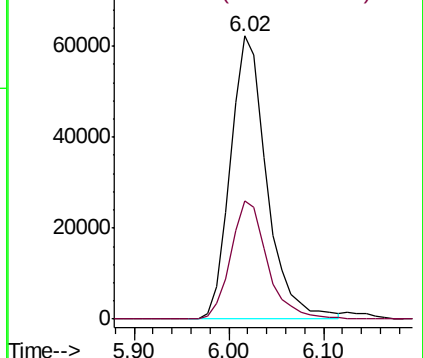
65 100

67 41.7 0.0 80.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

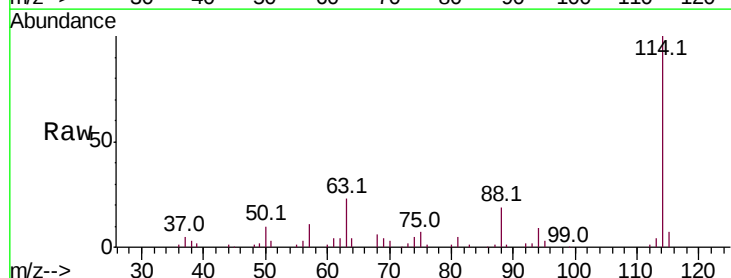
Tgt Ion: 114 Resp: 276164

Ion Ratio Lower Upper

114 100

63 22.8 0.0 42.6

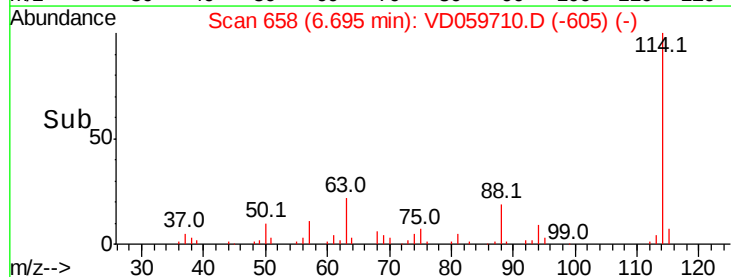
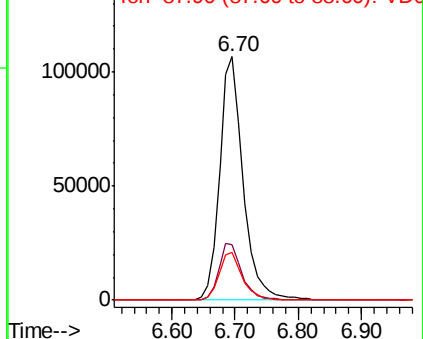
88 19.4 0.0 38.8

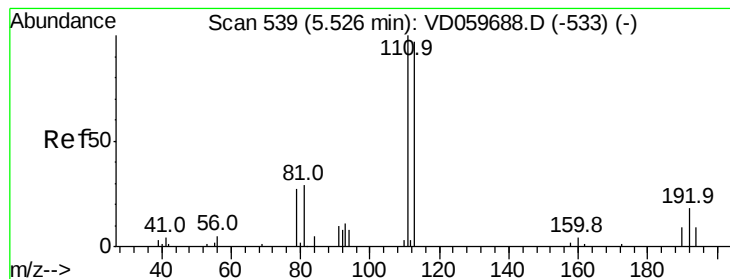


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.54 min Scan# 541

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

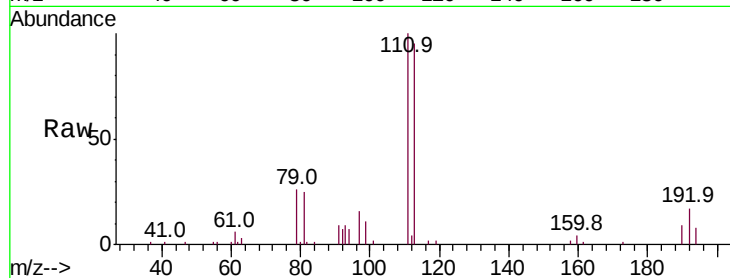
Tot Ion:113 Resp: 137622

Ion Ratio Lower Upper

113 100

111 105.0 82.8 124.2

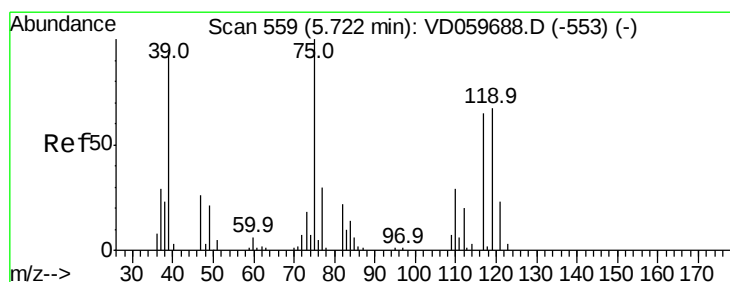
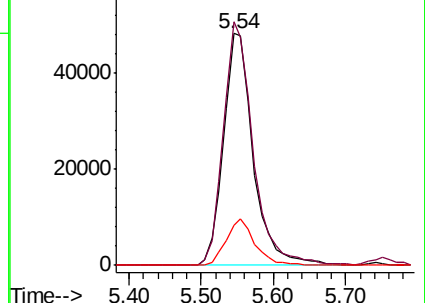
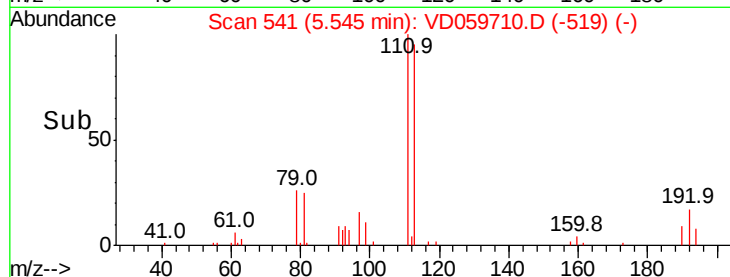
192 17.5 14.6 22.0



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: 20.520 ug/l

RT: 5.74 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

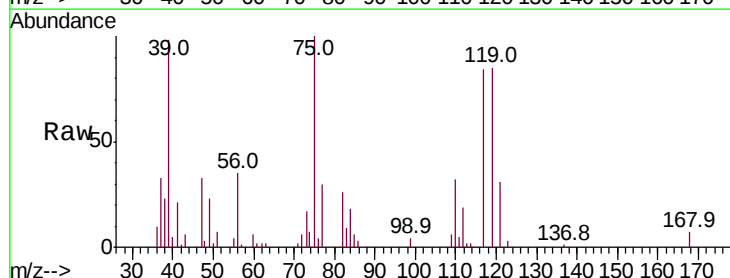
Tgt Ion: 75 Resp: 63001

Ion Ratio Lower Upper

75 100

110 32.3 14.1 42.3

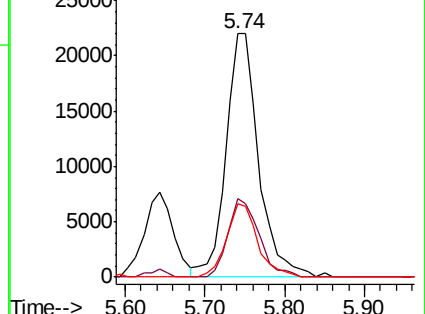
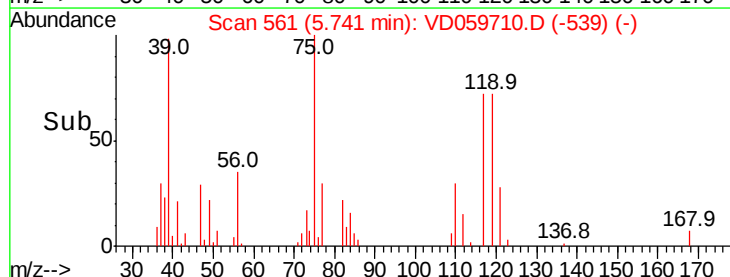
77 30.3 23.9 35.9

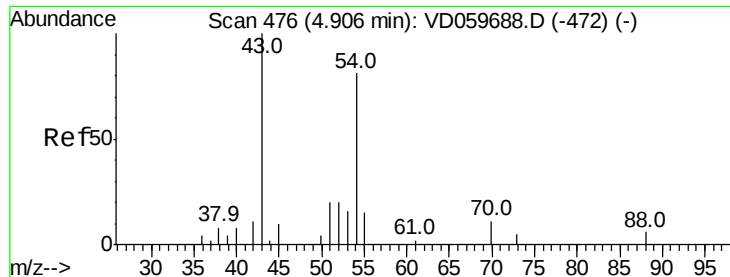


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 20.347 ug/l

RT: 4.92 min Scan# 478

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

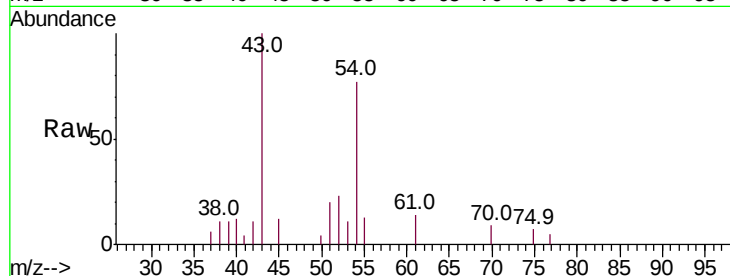
Tot Ion: 43 Resp: 30331

Ion Ratio Lower Upper

43 100

61 14.5 10.1 15.1

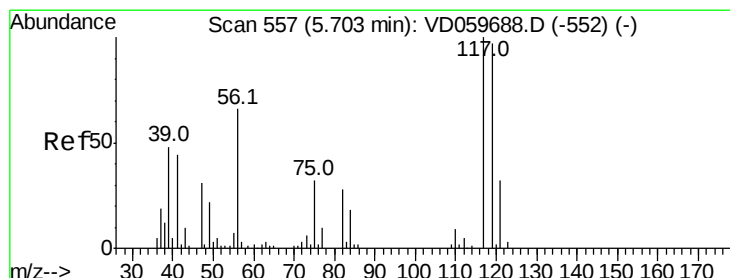
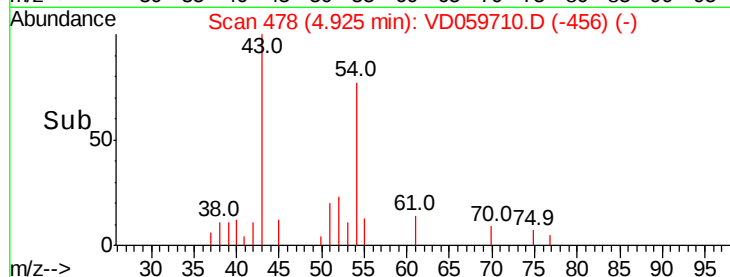
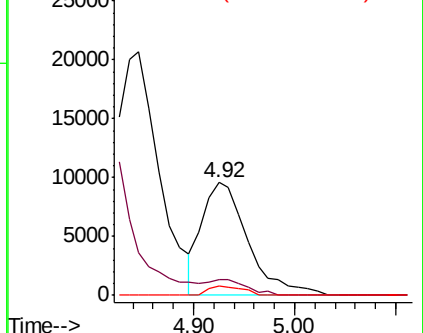
70 8.6 5.4 8.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.425 ug/l

RT: 5.73 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

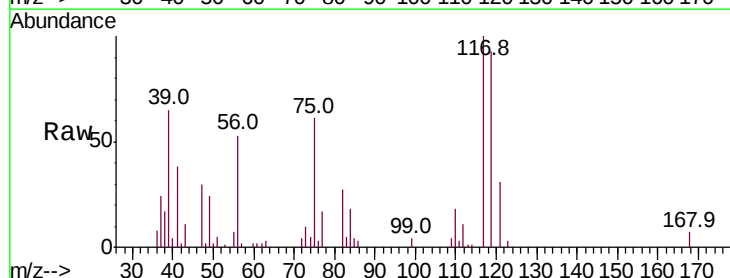
Tgt Ion: 117 Resp: 83920

Ion Ratio Lower Upper

117 100

119 93.1 75.3 112.9

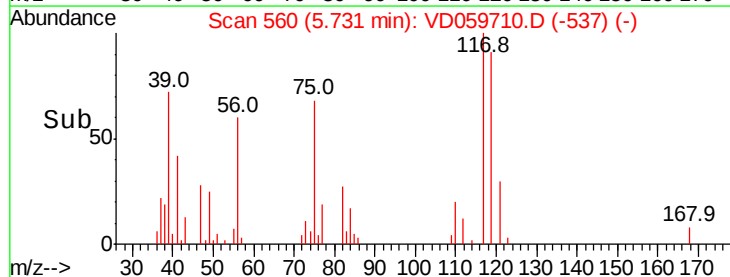
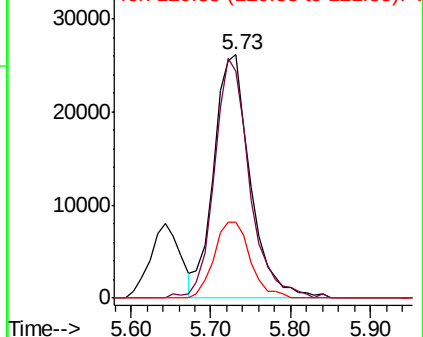
121 31.1 24.4 36.6

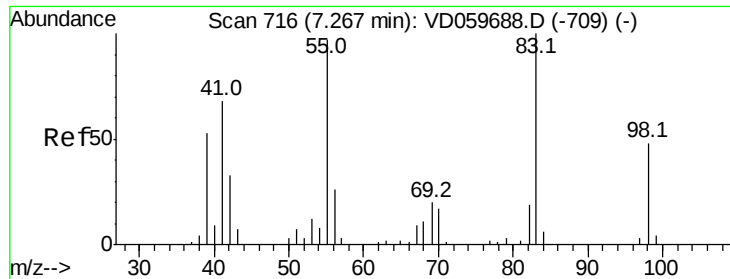


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

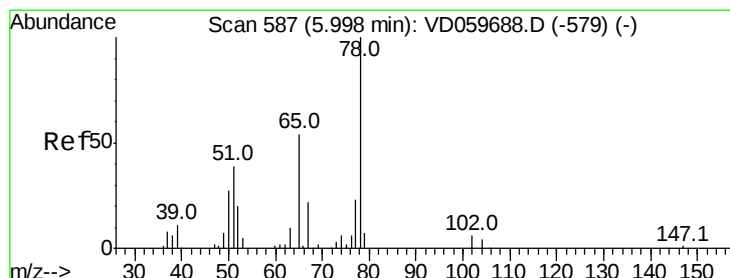
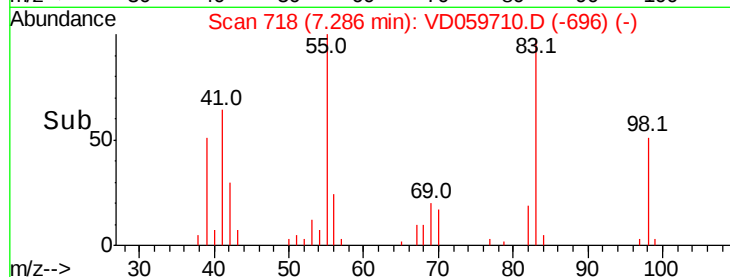
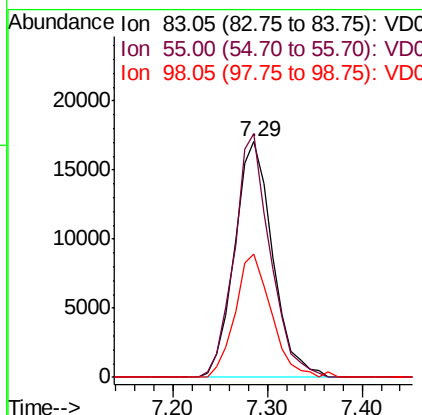
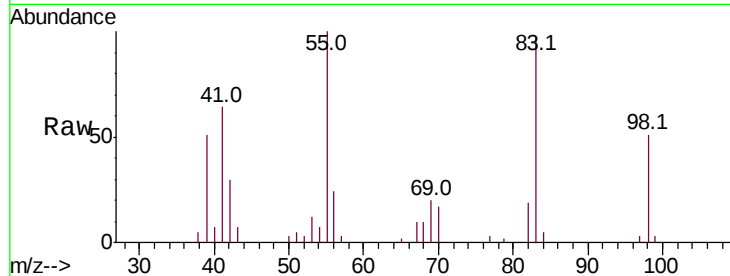




#39
Methvlcvclohexane
Concen: 18.305 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

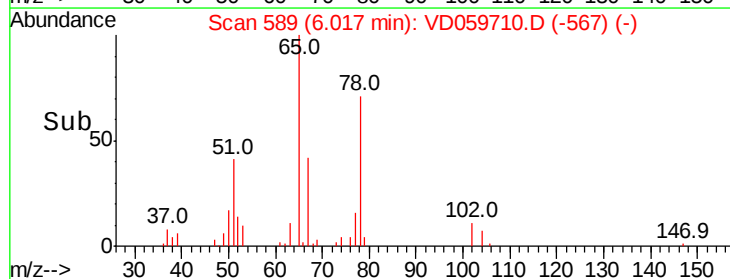
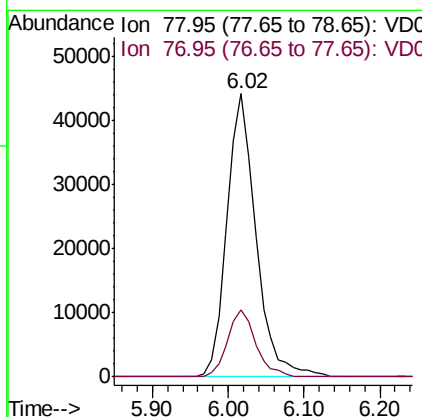
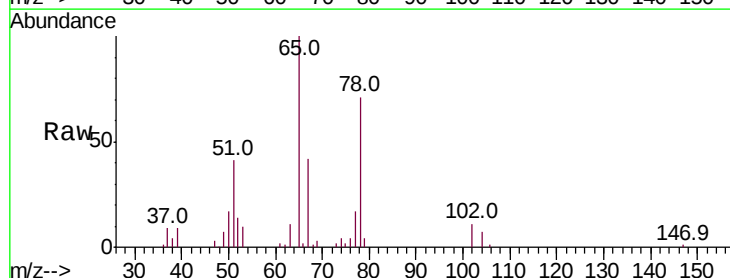
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

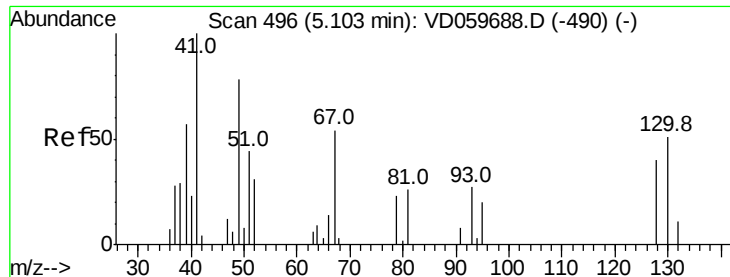
Tot Ion: 83 Resp: 47497
Ion Ratio Lower Upper
83 100
55 103.3 77.7 116.5
98 52.5 38.7 58.1



#40
Benzene
Concen: 19.669 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 78 Resp: 117117
Ion Ratio Lower Upper
78 100
77 23.6 18.4 27.6

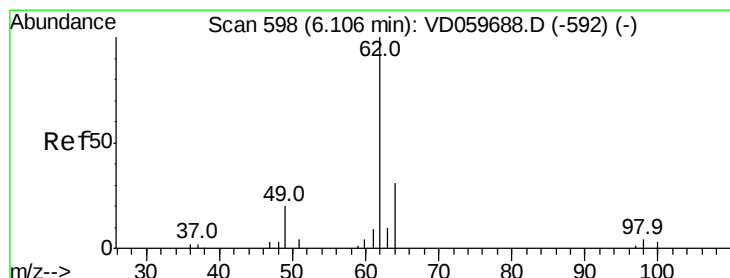
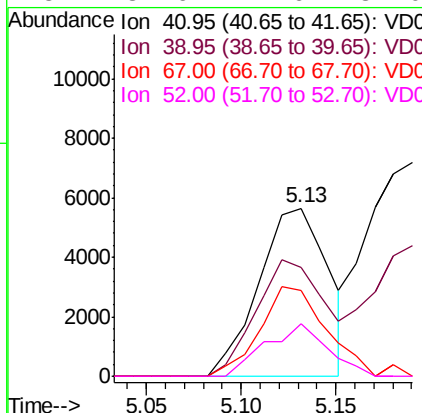
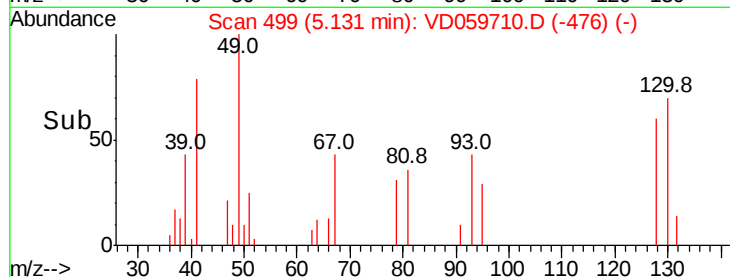
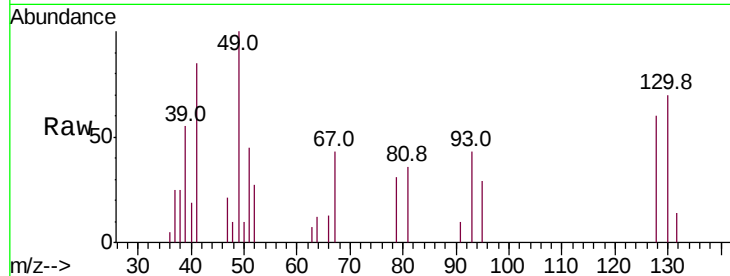




#41
Methacrylonitrile
Concen: 20.680 ug/l
RT: 5.13 min Scan# 499
Delta R.T. 0.03 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

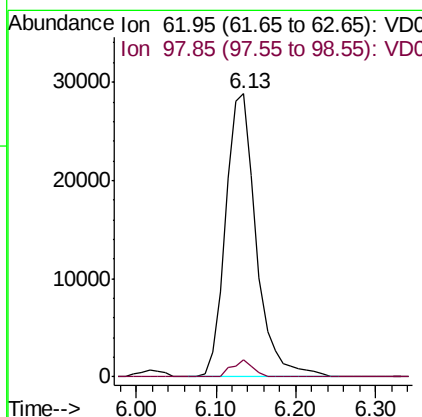
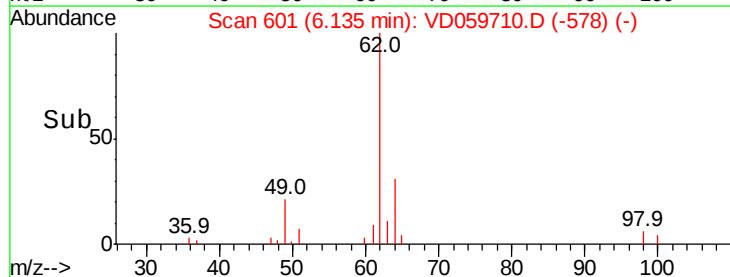
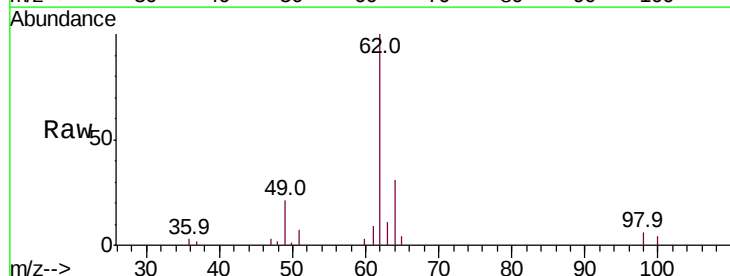
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

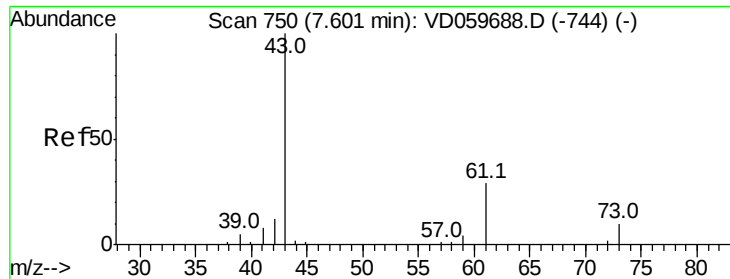
Tot Ion: 41 Resp: 14414
Ion Ratio Lower Upper
41 100
39 65.2 45.8 68.8
67 51.2 43.4 65.2
52 31.6 24.6 37.0



#42
1,2-Dichloroethane
Concen: 21.003 ug/l
RT: 6.13 min Scan# 601
Delta R.T. 0.03 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 62 Resp: 77313
Ion Ratio Lower Upper
62 100
98 5.9 0.0 8.8



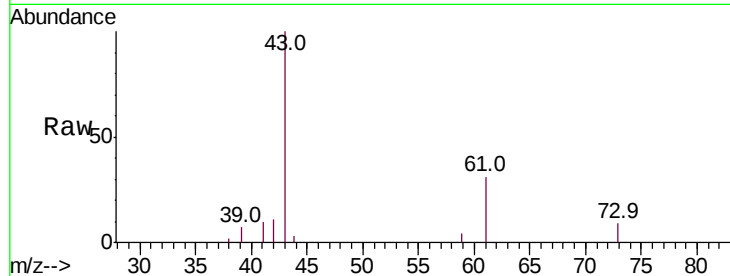


#43

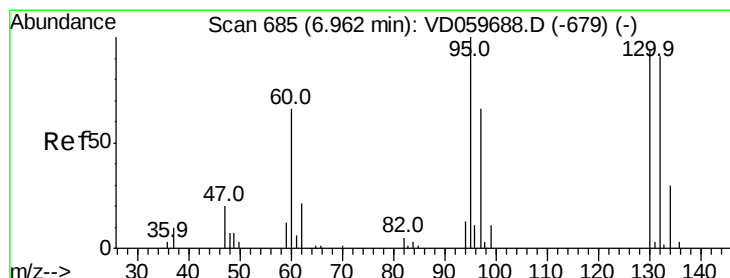
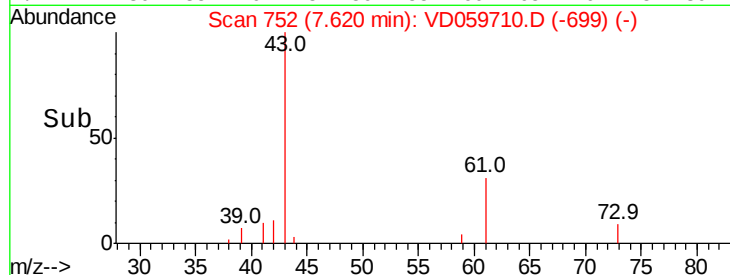
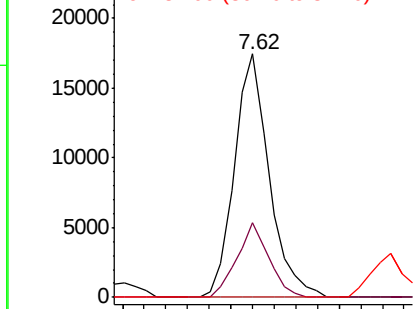
Isopropyl Acetate
 Concen: 19.976 ug/l
 RT: 7.62 min Scan# 752
 Delta R.T. 0.02 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Tot Ion: 43 Resp: 38922
 Ion Ratio Lower Upper
 43 100
 61 30.6 22.9 34.3
 87 0.0 0.0 0.0



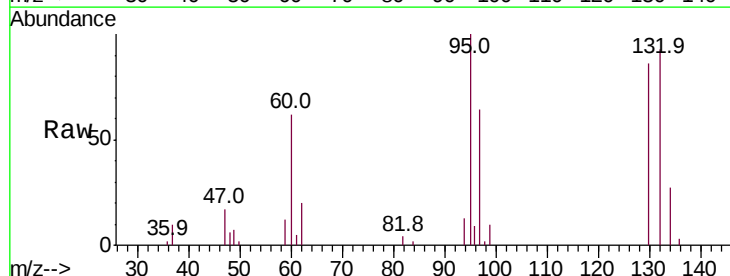
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



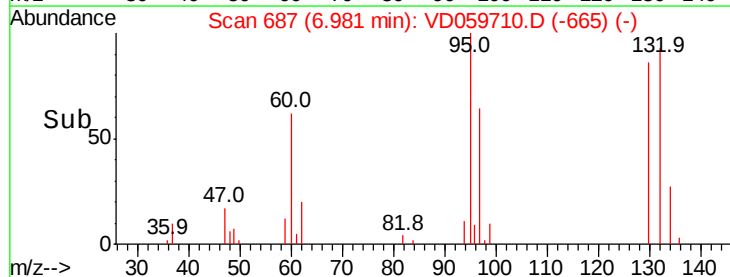
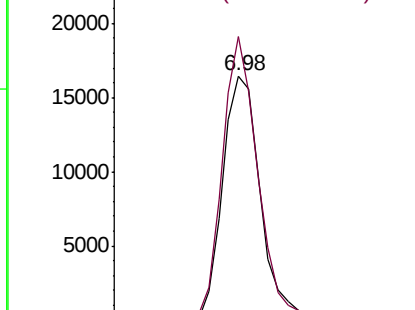
#44

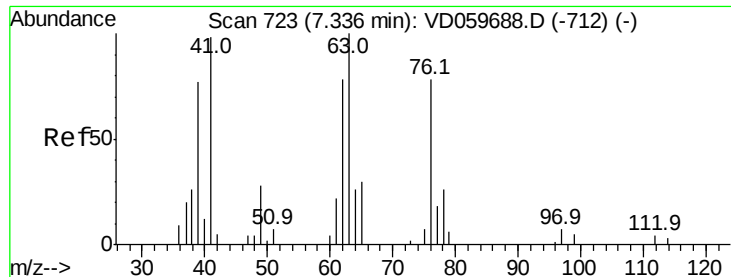
Trichloroethene
 Concen: 19.681 ug/l
 RT: 6.98 min Scan# 687
 Delta R.T. 0.02 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion: 130 Resp: 42815
 Ion Ratio Lower Upper
 130 100
 95 115.9 0.0 212.8



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





#45

1,2-Dichloropropane

Concen: 19.817 ug/l

RT: 7.34 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

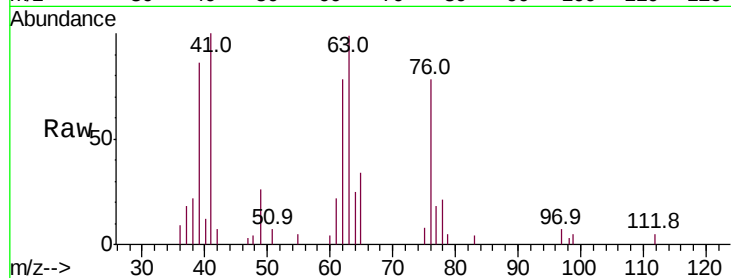
VD0808SBSD01

Tot Ion: 63 Resp: 31159

Ion Ratio Lower Upper

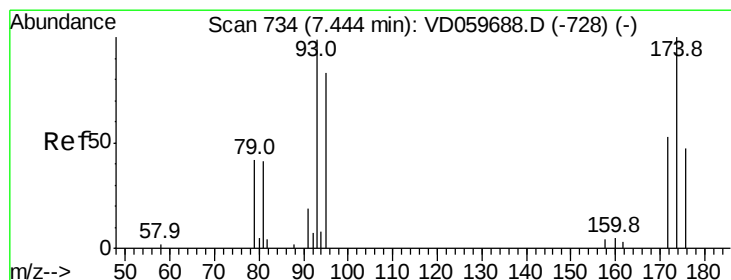
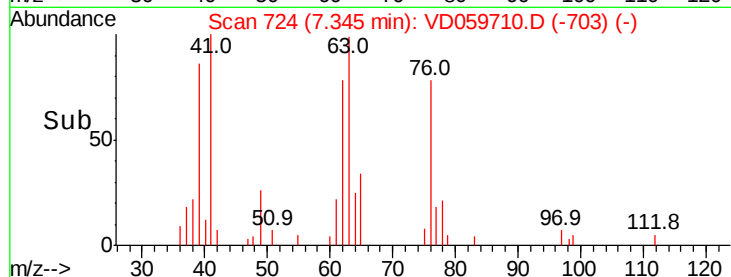
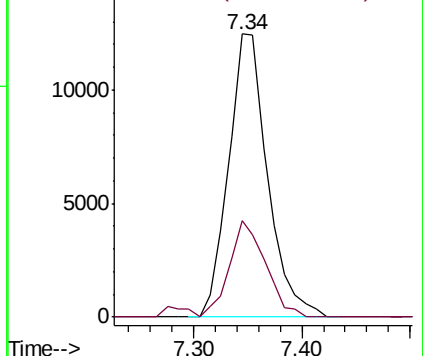
63 100

65 34.1 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.100 ug/l

RT: 7.46 min Scan# 736

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

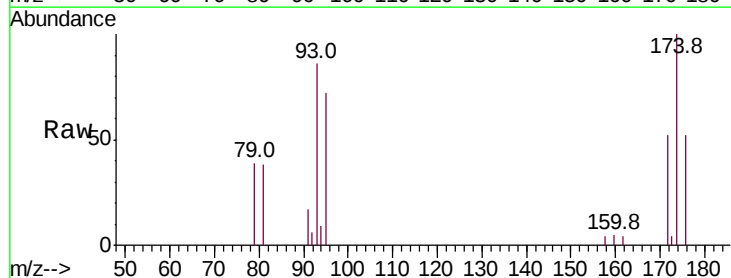
Tgt Ion: 93 Resp: 24661

Ion Ratio Lower Upper

93 100

95 84.1 66.6 100.0

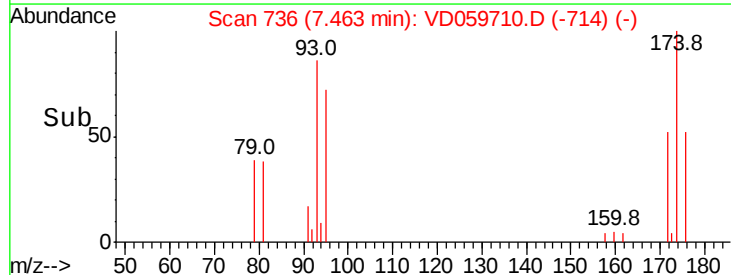
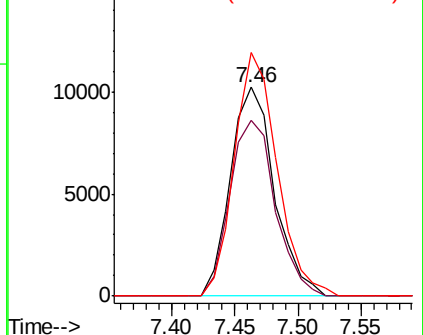
174 116.5 80.6 120.8

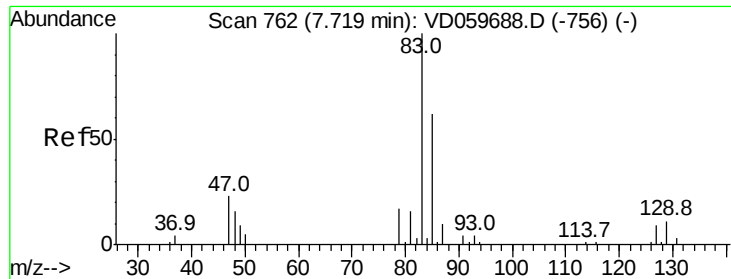


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.891 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

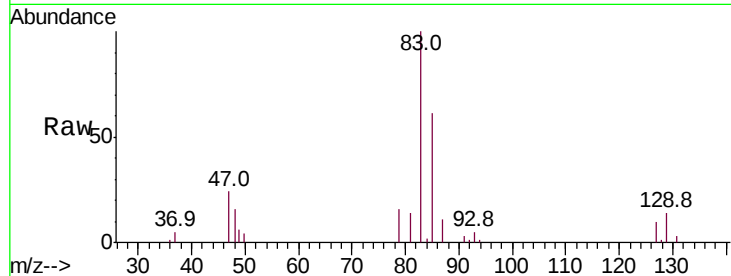
Tot Ion: 83 Resp: 69029

Ion Ratio Lower Upper

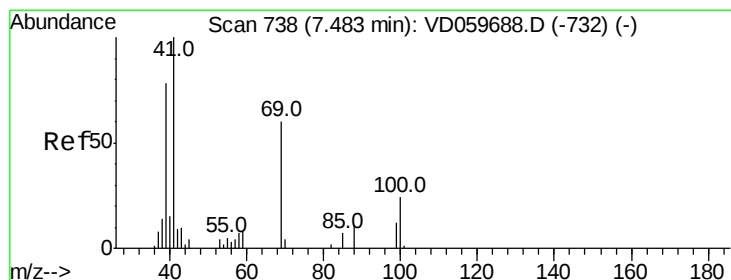
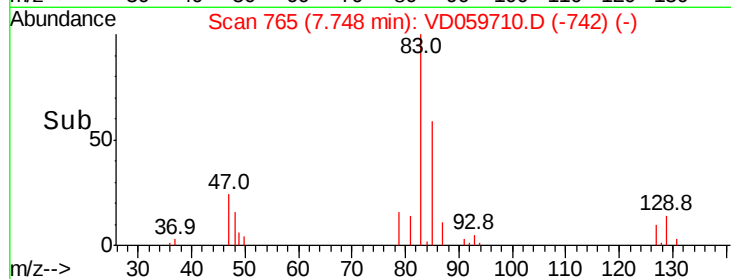
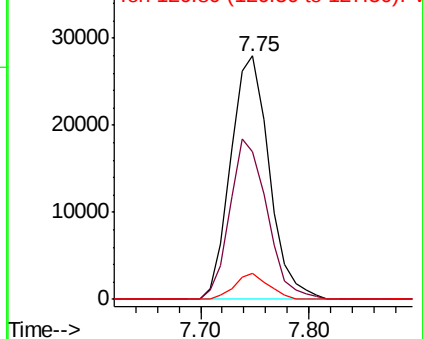
83 100

85 60.7 49.8 74.8

127 10.4 7.3 10.9



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: 20.908 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

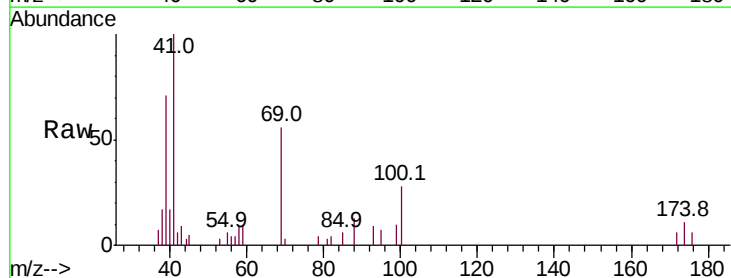
Tgt Ion: 41 Resp: 26889

Ion Ratio Lower Upper

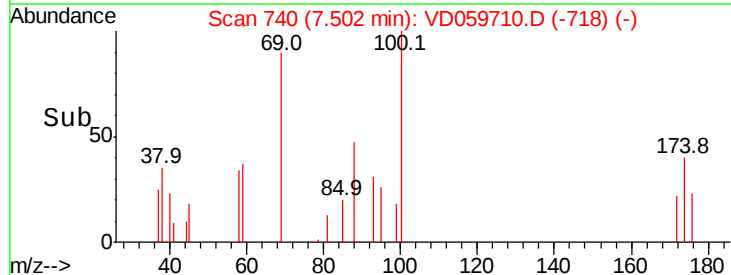
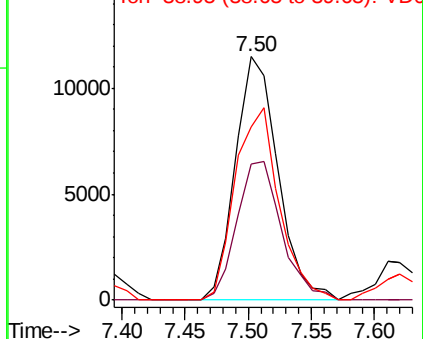
41 100

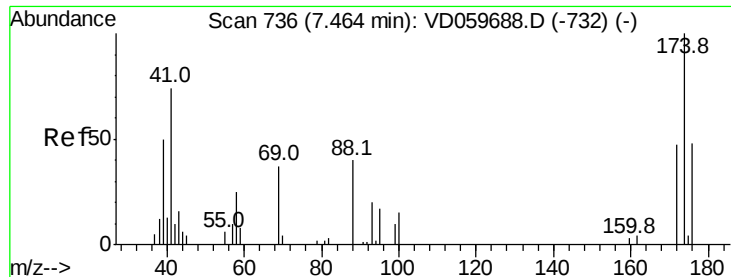
69 55.9 47.3 70.9

39 70.9 62.9 94.3



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: 375.458 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.04 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

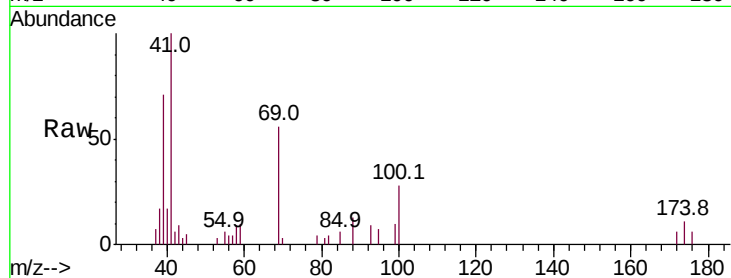
Tot Ion: 88 Resp: 3907

Ion Ratio Lower Upper

88 100

43 68.9 32.2 48.2#

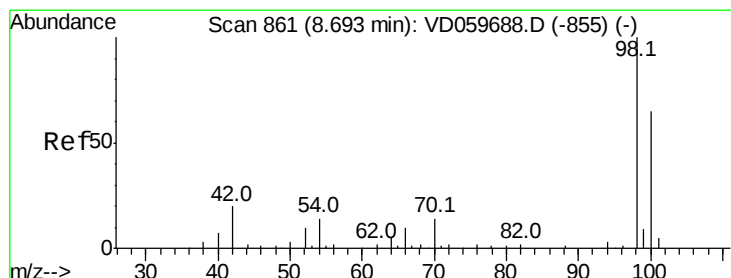
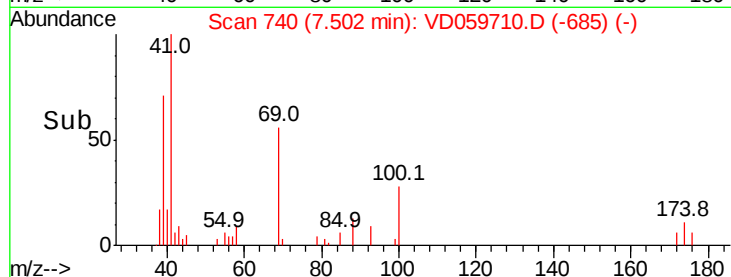
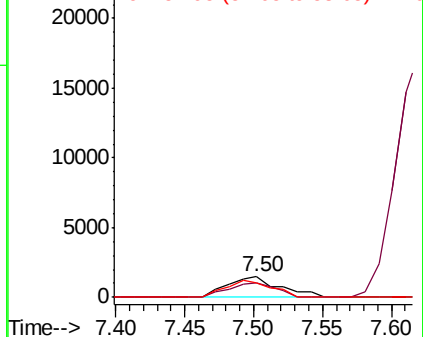
58 72.5 51.5 77.3



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: 375.458 ug/l

RT: 8.71 min Scan# 863

Delta R.T. 0.02 min

Lab File: VD059710.D

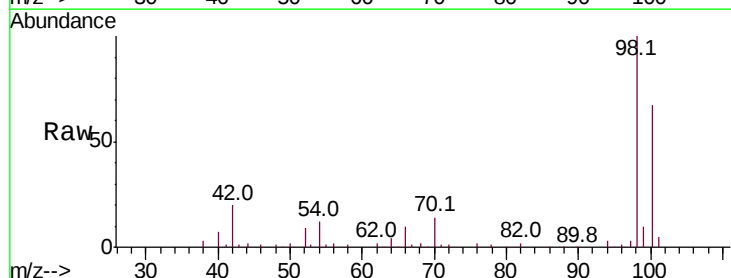
Acq: 8 Aug 2018 13:49

Tgt Ion: 98 Resp: 306254

Ion Ratio Lower Upper

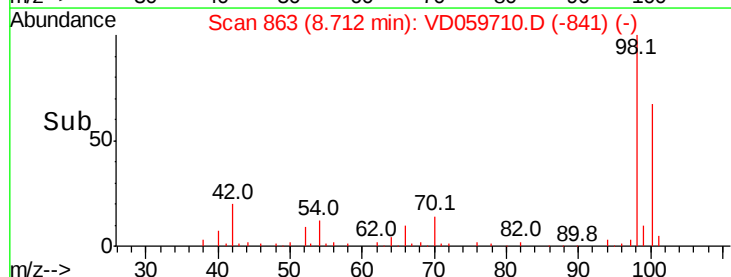
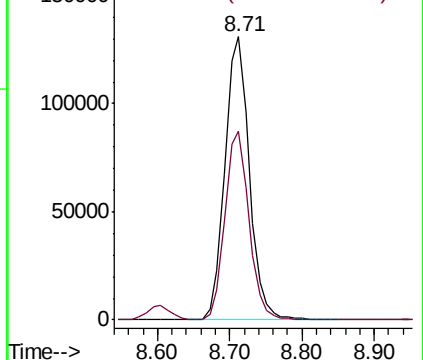
98 100

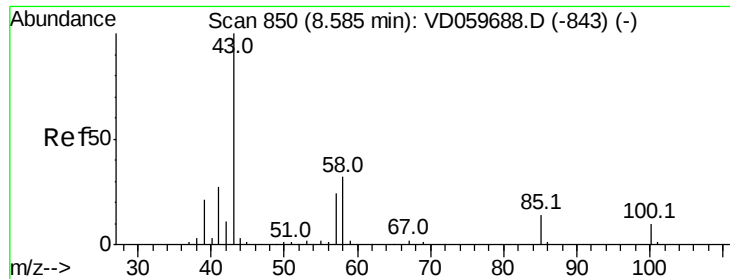
100 66.6 52.5 78.7



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: 93.710 ug/l

RT: 8.60 min Scan# 852

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

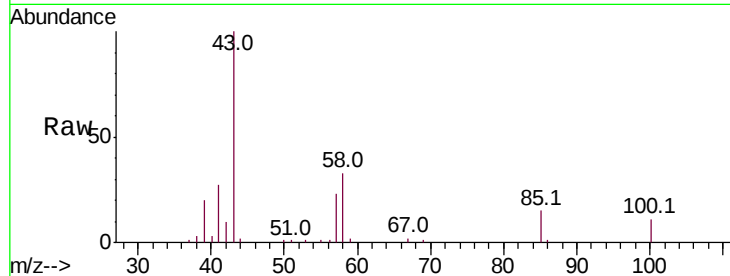
VD0808SBSD01

Tot Ion: 43 Resp: 133159

Ion Ratio Lower Upper

43 100

58 32.7 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

60000

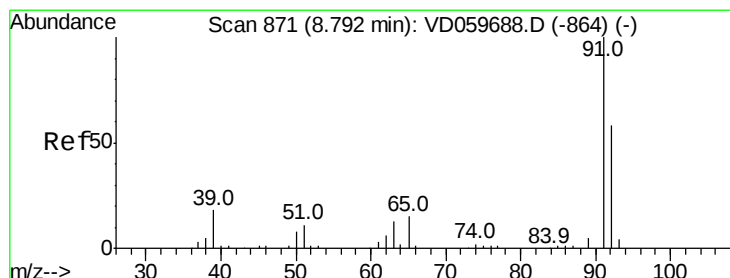
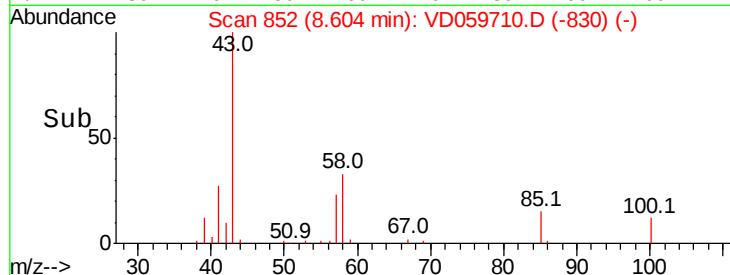
40000

20000

0

8.50 8.60 8.70

Time-->



#52

Toluene

Concen: 20.561 ug/l

RT: 8.80 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD059710.D

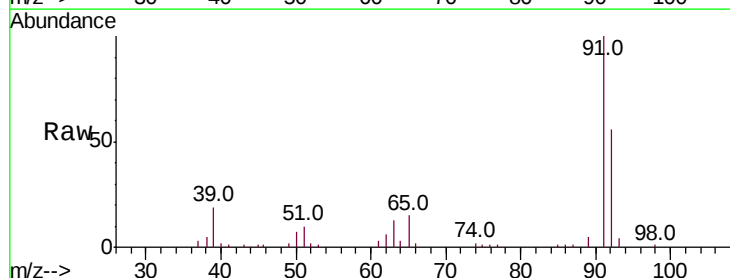
Acq: 8 Aug 2018 13:49

Tgt Ion: 92 Resp: 78095

Ion Ratio Lower Upper

92 100

91 178.1 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

60000

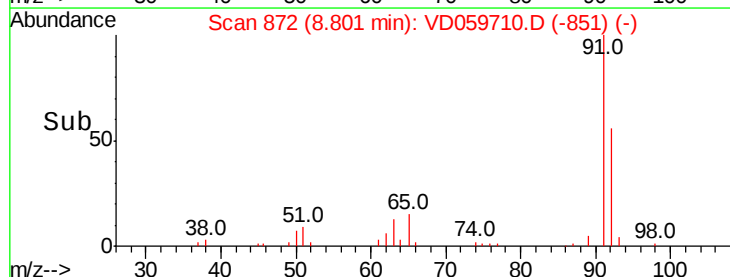
40000

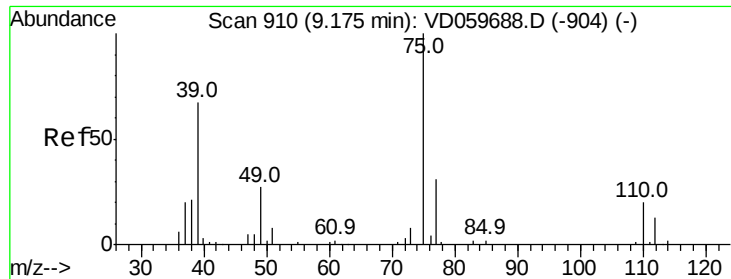
20000

0

8.70 8.80 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.089 ug/l

RT: 9.18 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

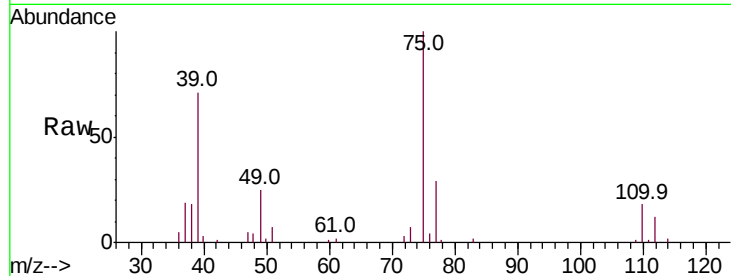
VD0808SBSD01

Tot Ion: 75 Resp: 61918

Ion Ratio Lower Upper

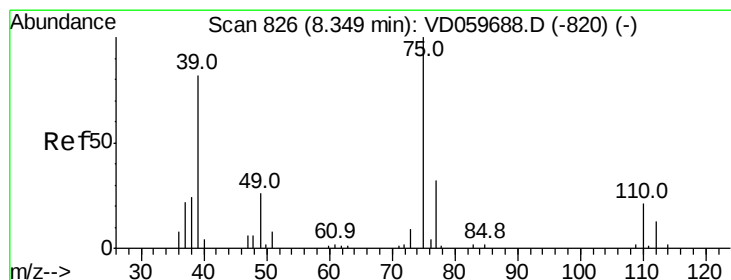
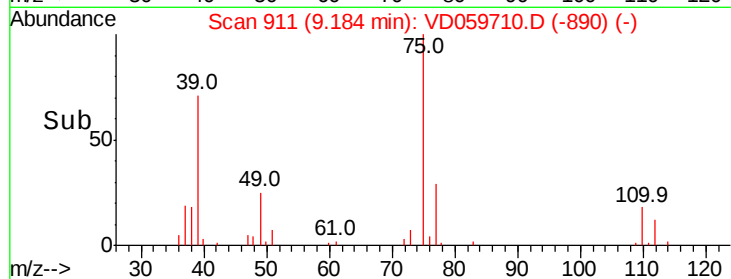
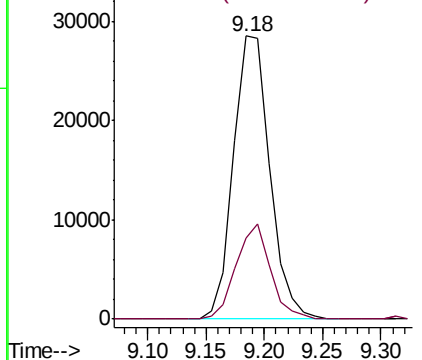
75 100

77 28.7 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.140 ug/l

RT: 8.36 min Scan# 827

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

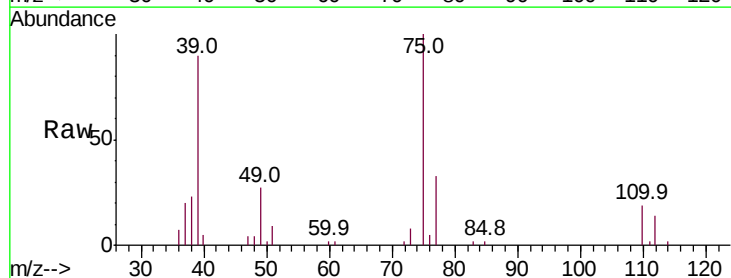
Tgt Ion: 75 Resp: 60905

Ion Ratio Lower Upper

75 100

77 33.4 25.5 38.3

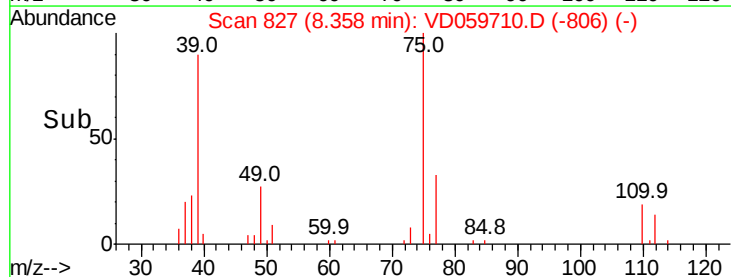
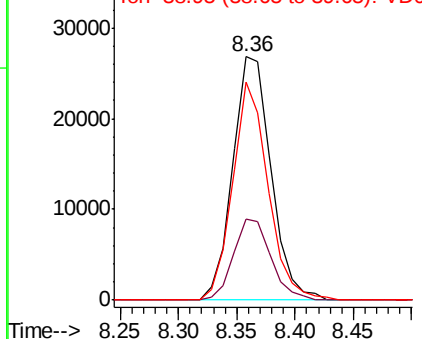
39 89.8 65.4 98.2

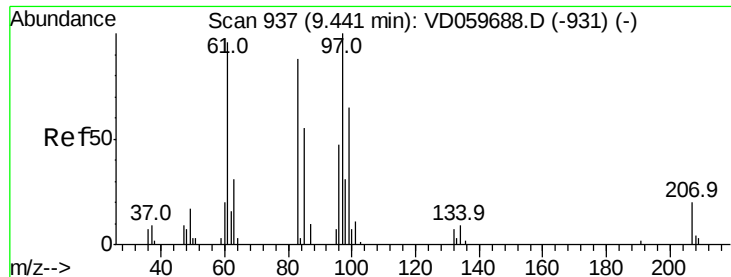


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 20.240 ug/l

RT: 9.46 min Scan# 939

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

Tot Ion: 97 Resp: 29528

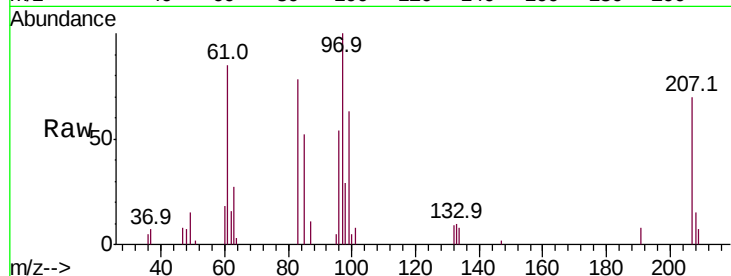
Ion Ratio Lower Upper

97 100

83 77.8 70.8 106.2

85 52.2 44.1 66.1

99 63.4 52.2 78.4

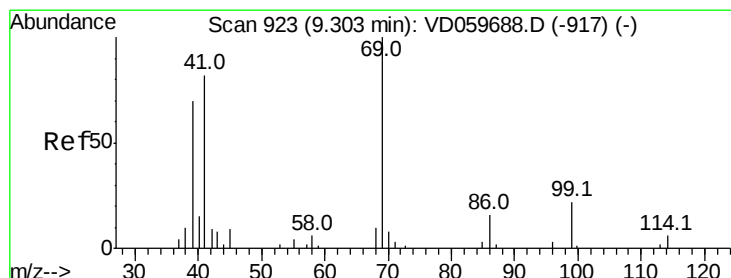
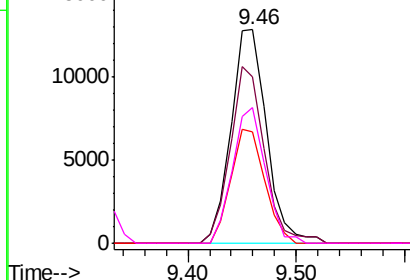
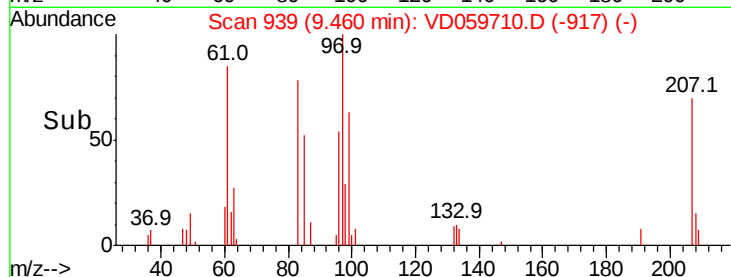


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.634 ug/l

RT: 9.31 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

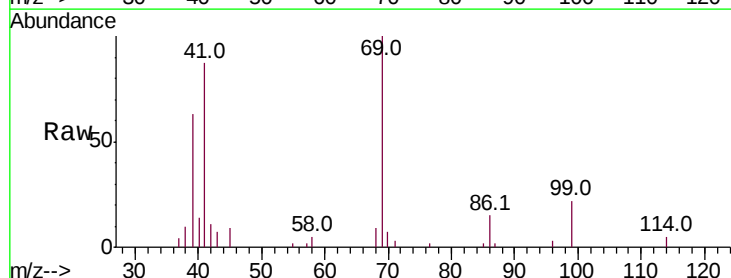
Tgt Ion: 69 Resp: 34824

Ion Ratio Lower Upper

69 100

41 87.1 65.7 98.5

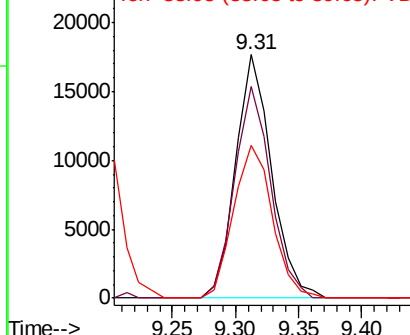
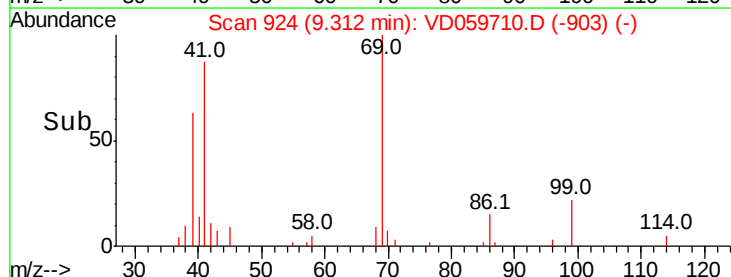
39 62.8 55.8 83.8

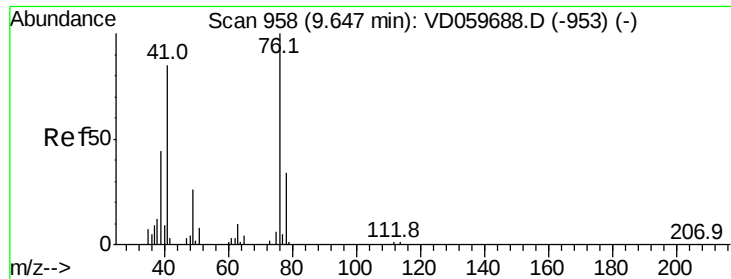


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.592 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

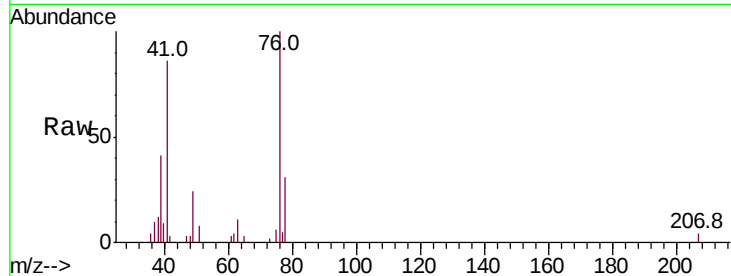
VD0808SBSD01

Tot Ion: 76 Resp: 44353

Ion Ratio Lower Upper

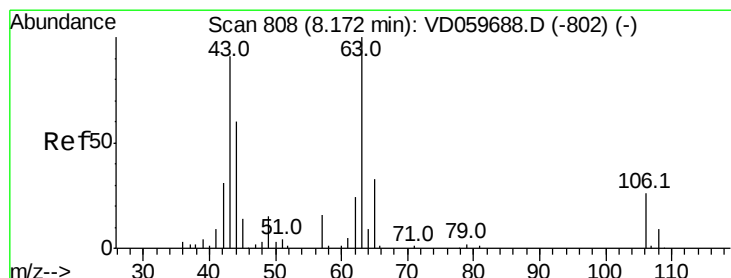
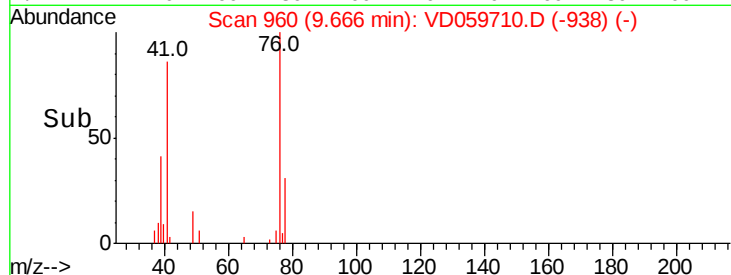
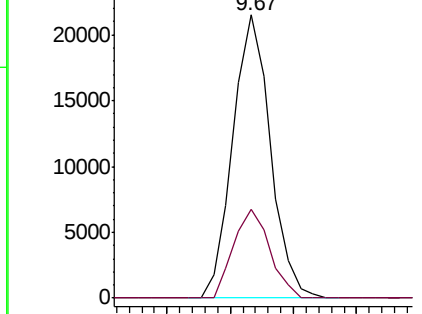
76 100

78 31.4 27.5 41.3



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: 116.570 ug/l

RT: 8.19 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD059710.D

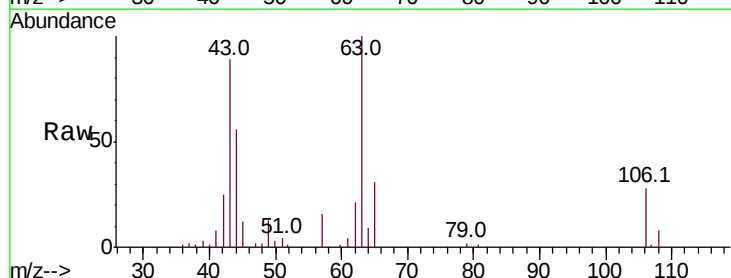
Acq: 8 Aug 2018 13:49

Tgt Ion: 63 Resp: 89395

Ion Ratio Lower Upper

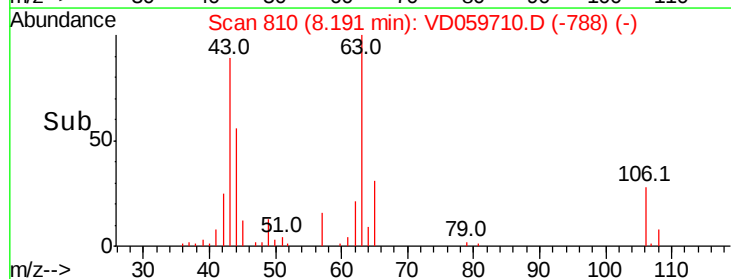
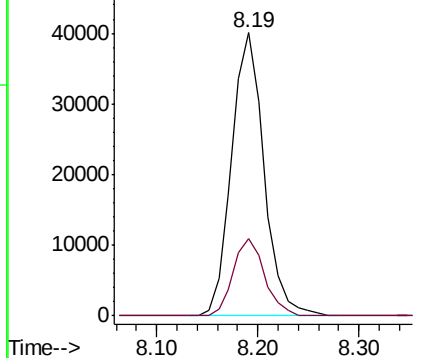
63 100

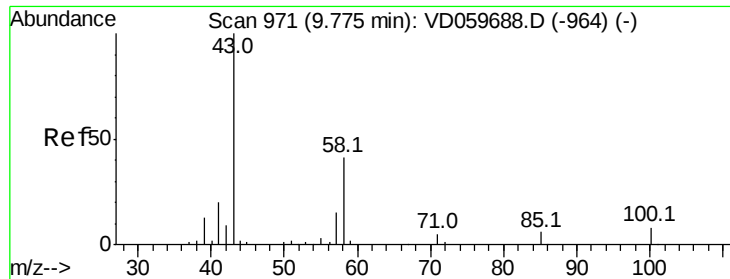
106 27.5 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

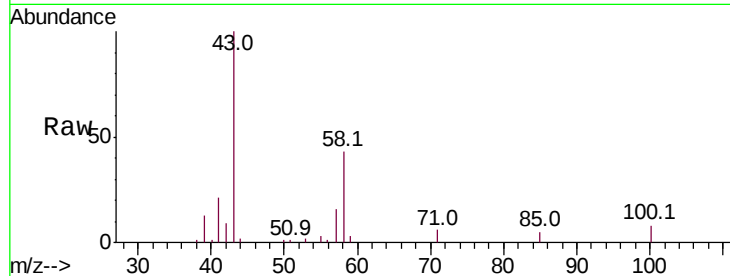




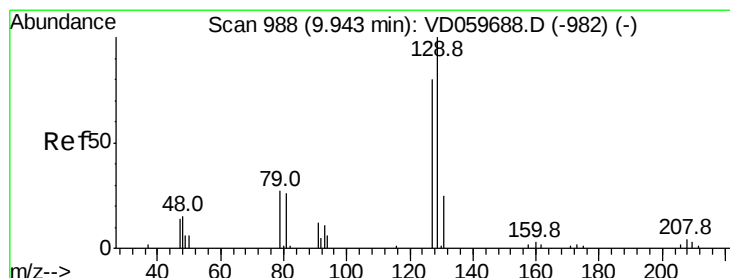
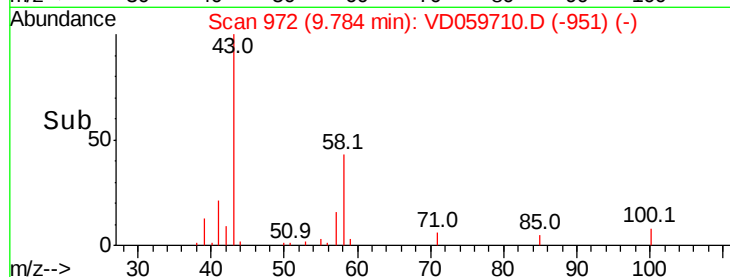
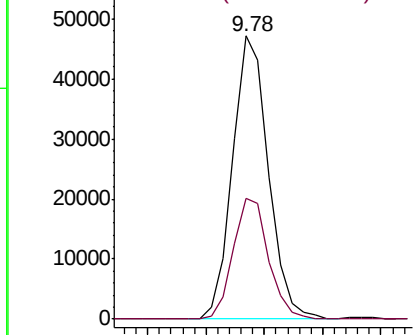
#59
2-Hexanone
Concen: 93.792 ug/l
RT: 9.78 min Scan# 972
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

Tot Ion: 43 Resp: 100080
Ion Ratio Lower Upper
43 100
58 42.7 20.4 61.3

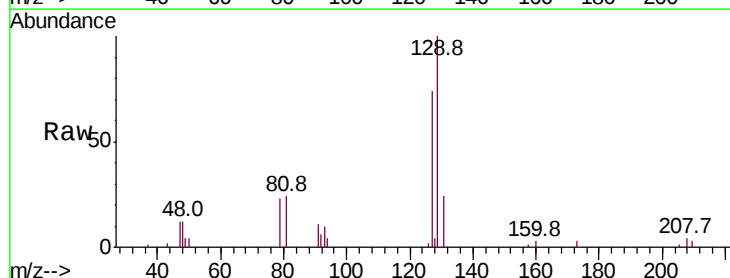


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

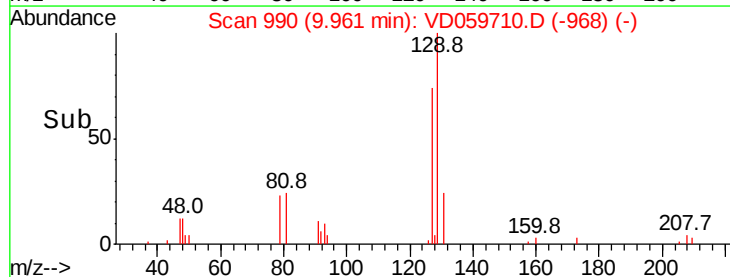
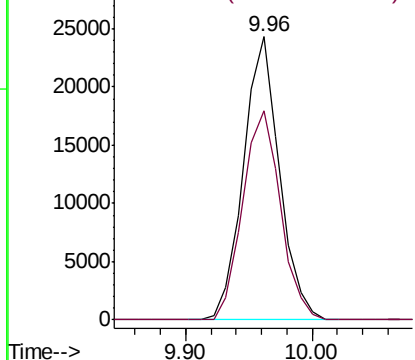


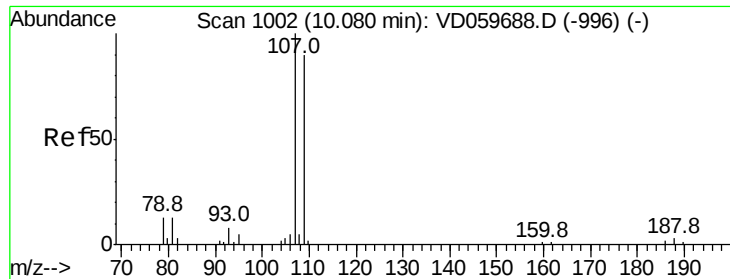
#60
Dibromochloromethane
Concen: 20.746 ug/l
RT: 9.96 min Scan# 990
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 129 Resp: 48097
Ion Ratio Lower Upper
129 100
127 74.0 40.0 119.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 19.886 ug/l

RT: 10.10 min Scan# 1004

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

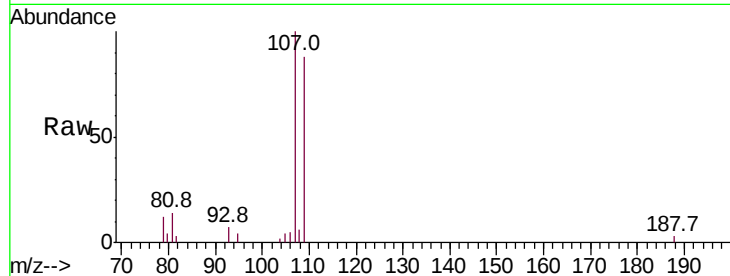
VD0808SBSD01

Tot Ion:107 Resp: 33360

Ion Ratio Lower Upper

107 100

109 88.4 72.0 108.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.10

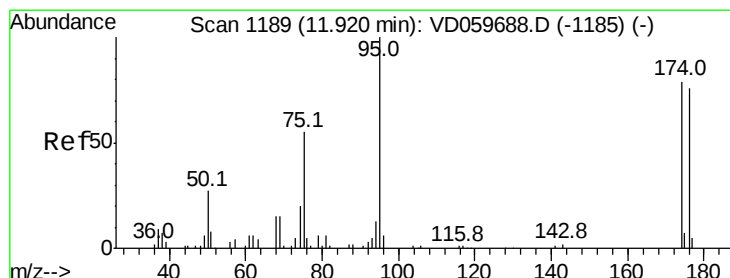
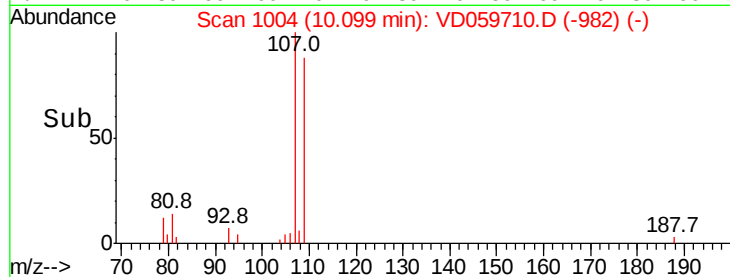
15000

10000

5000

0

Time--> 10.00 10.05 10.10 10.15



#62

4-Bromofluorobenzene

Concen: 19.886 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

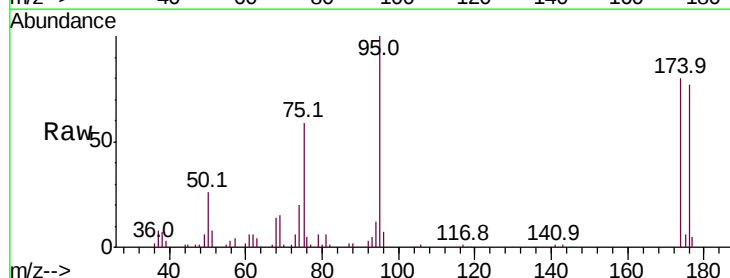
Tgt Ion: 95 Resp: 137705

Ion Ratio Lower Upper

95 100

174 80.1 0.0 158.4

176 77.0 0.0 153.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

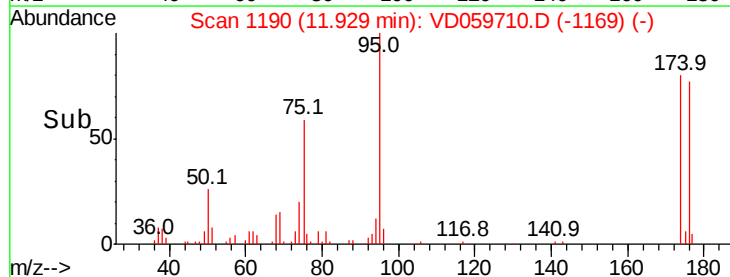
11.93

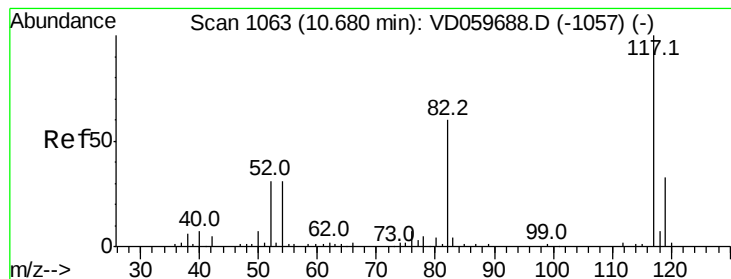
100000

50000

0

Time--> 11.85 11.90 11.95 12.00





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

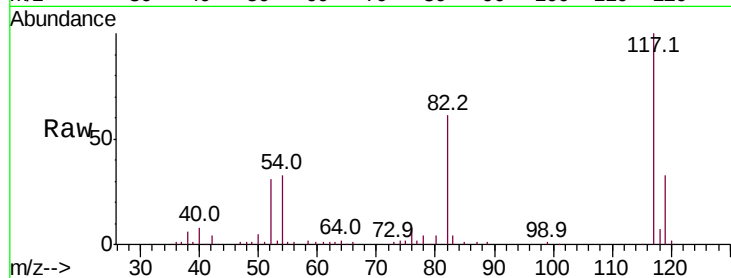
Tot Ion:117 Resp: 237481

Ion Ratio Lower Upper

117 100

82 61.1 47.7 71.5

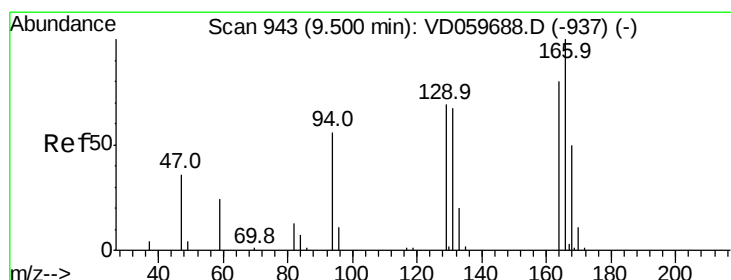
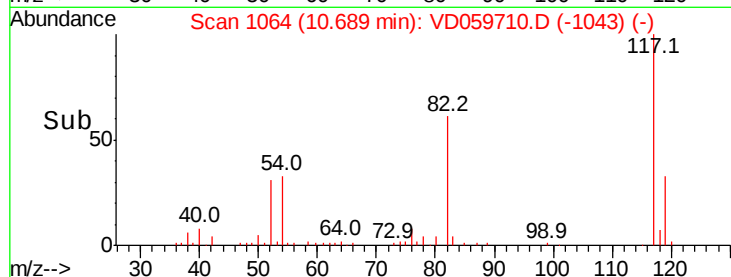
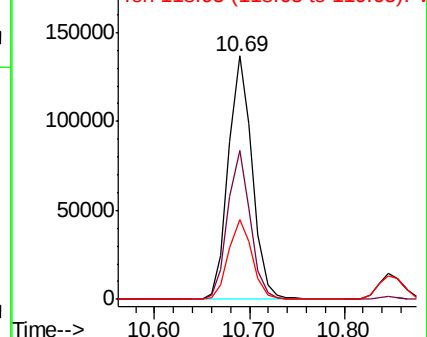
119 32.9 26.6 40.0



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: 18.676 ug/l

RT: 9.52 min Scan# 945

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Tgt Ion:164 Resp: 41993

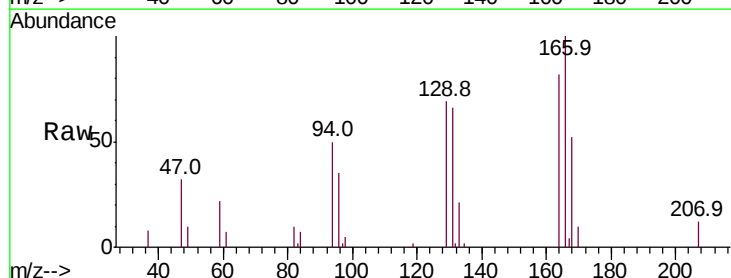
Ion Ratio Lower Upper

164 100

166 122.2 100.5 150.7

129 84.2 69.3 103.9

131 80.9 67.3 100.9

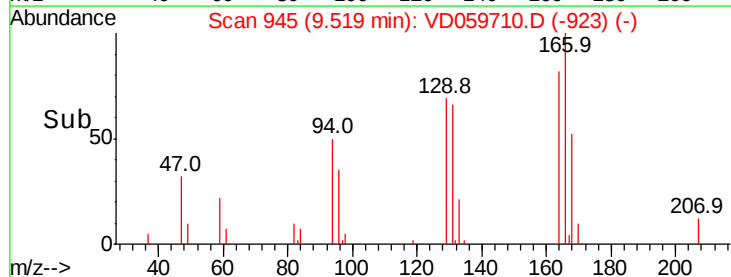
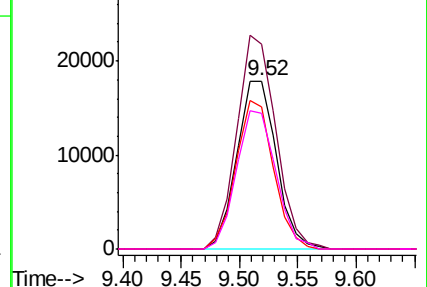


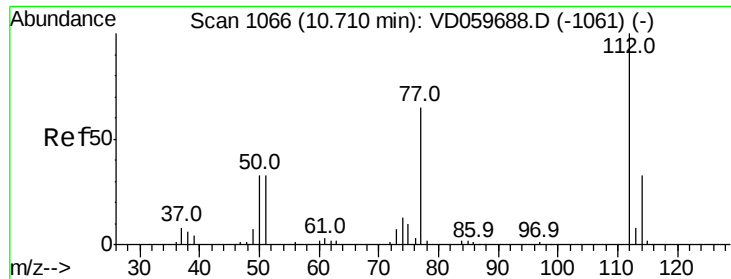
Abundance Ion 163.85 (163.55 to 164.55): V

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

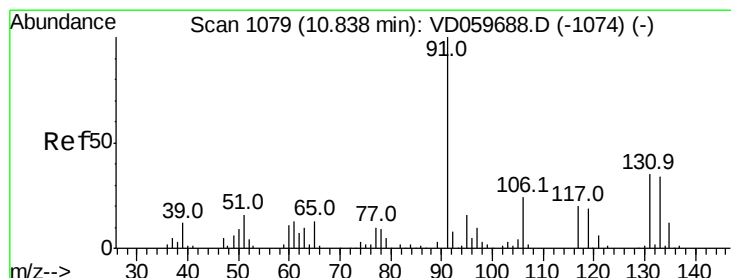
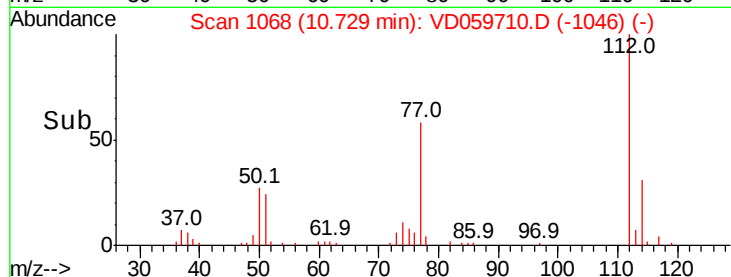
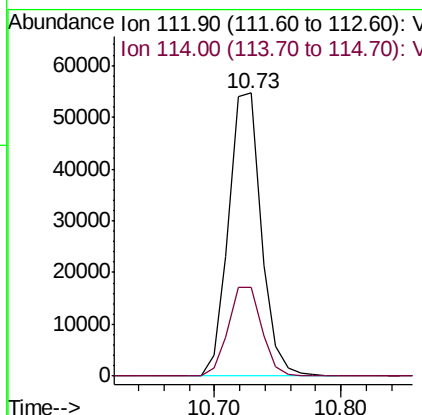
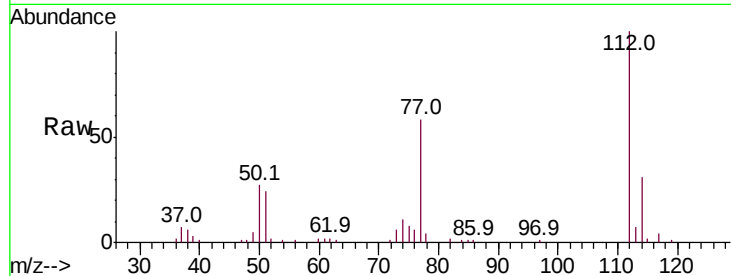




#65
Chlorobenzene
Concen: 19.503 ug/l
RT: 10.73 min Scan# 1068
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

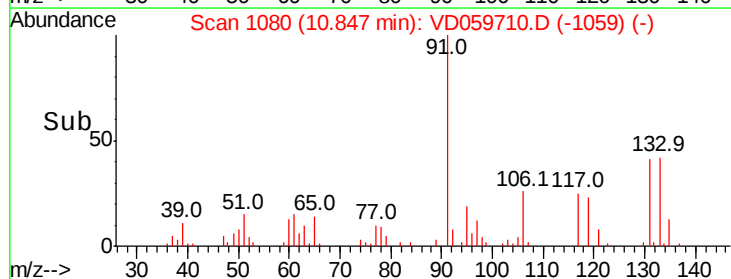
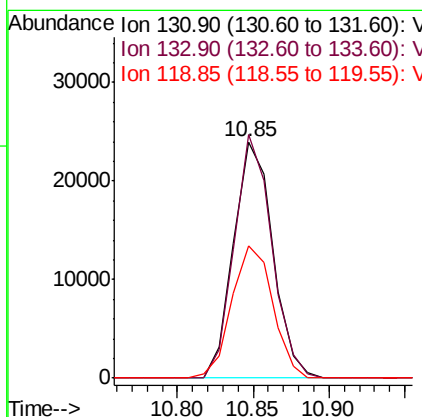
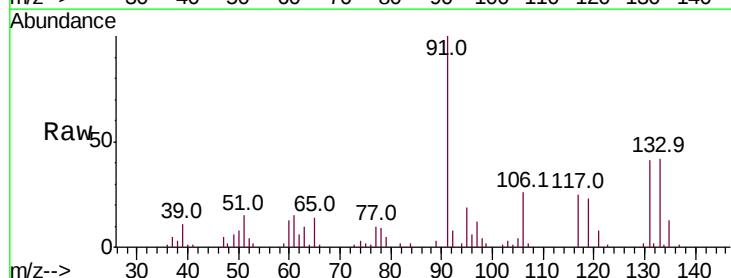
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

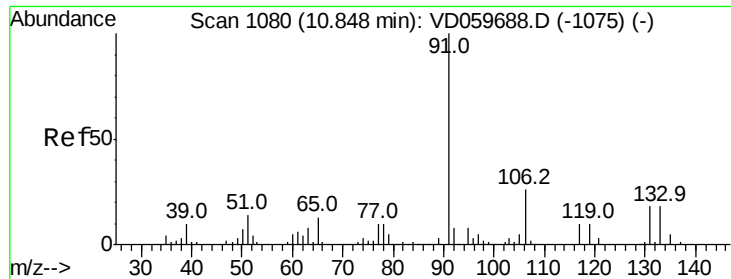
Tot Ion:112 Resp: 97598
Ion Ratio Lower Upper
112 100
114 31.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.692 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion:131 Resp: 43203
Ion Ratio Lower Upper
131 100
133 103.2 49.7 149.1
119 56.3 27.0 80.8

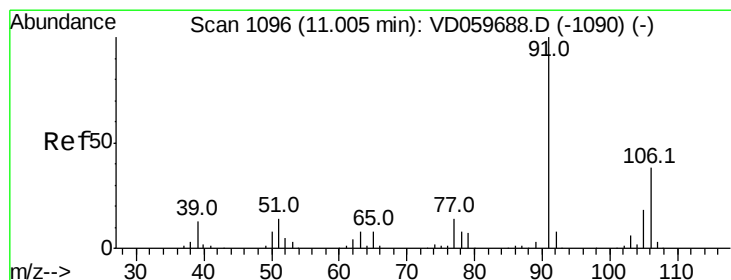
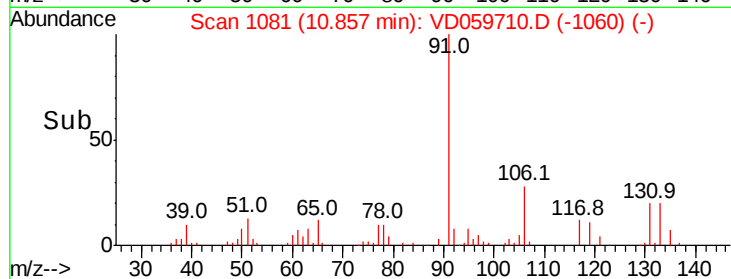
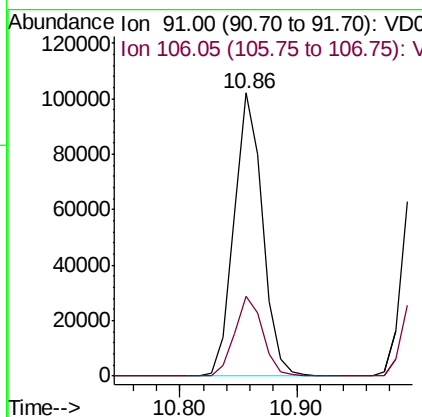
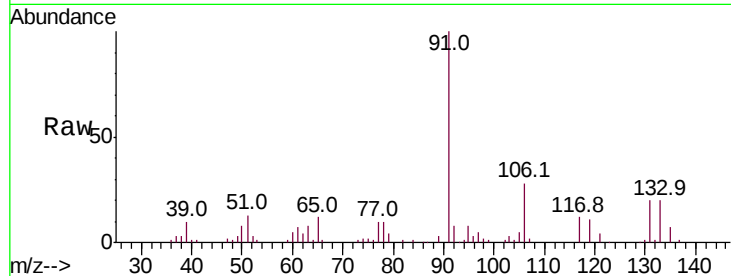




#67
Ethyl Benzene
Concen: 19.096 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

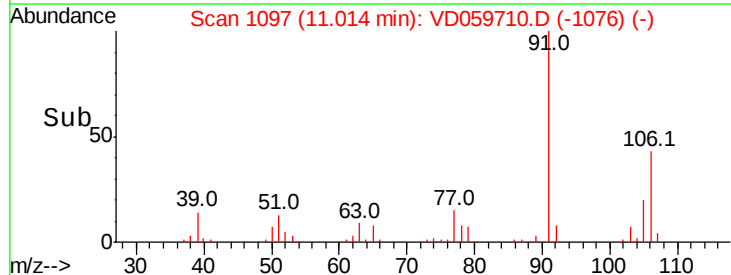
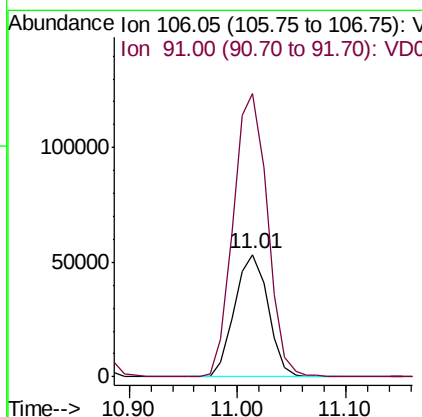
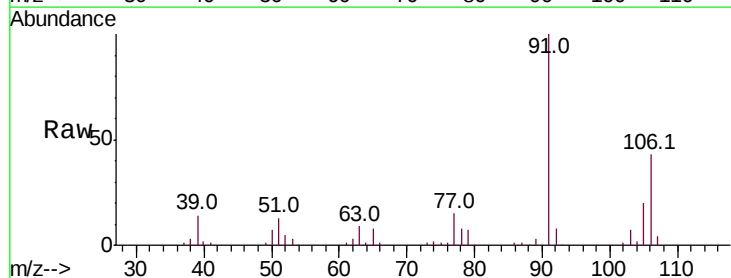
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

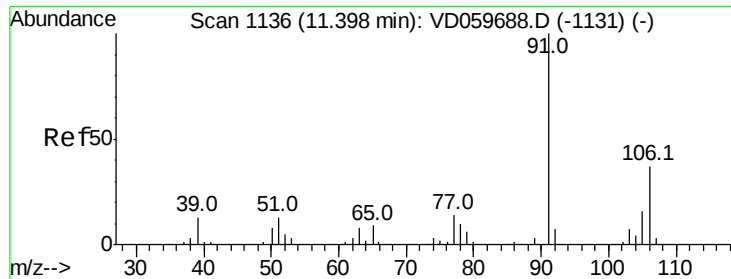
Tot Ion: 91 Resp: 172104
Ion Ratio Lower Upper
91 100
106 28.0 20.9 31.3



#68
m/p-Xylenes
Concen: 39.827 ug/l
RT: 11.01 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion:106 Resp: 114829
Ion Ratio Lower Upper
106 100
91 231.4 209.7 314.5

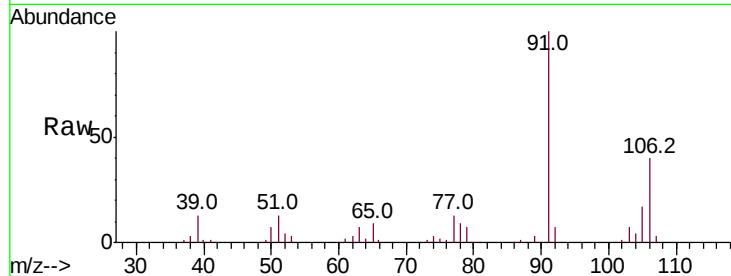




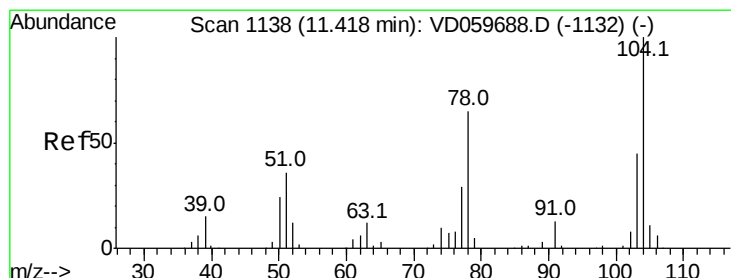
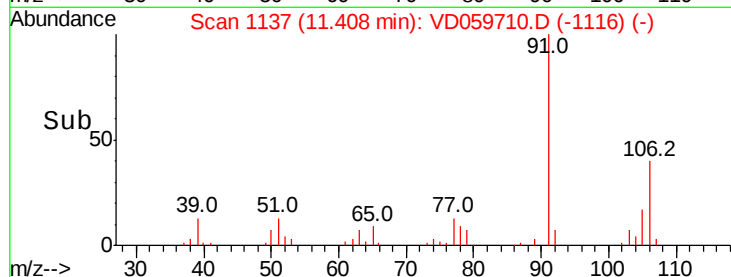
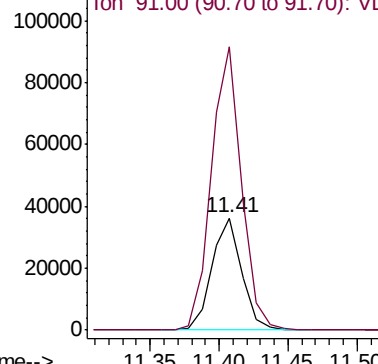
#69
o-Xylene
Concen: 19.452 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

Tot Ion:106 Resp: 54523
Ion Ratio Lower Upper
106 100
91 253.1 135.2 405.6

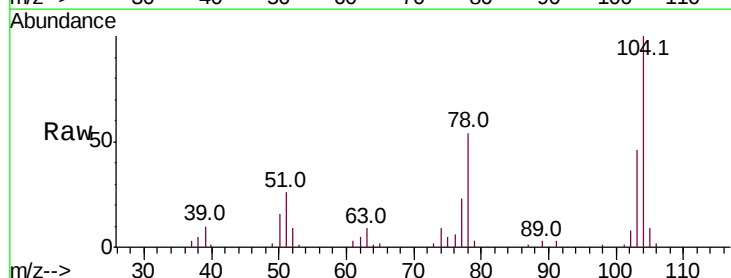


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

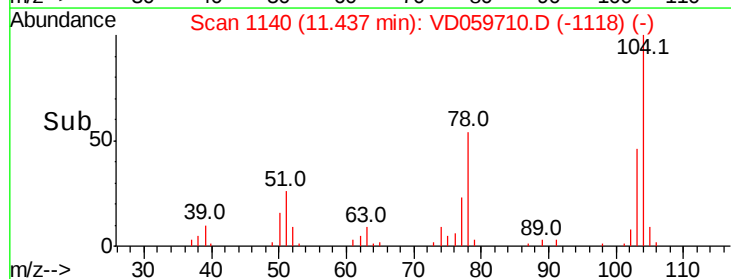
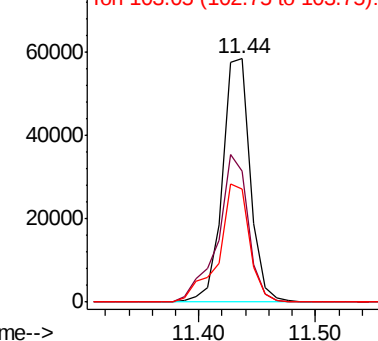


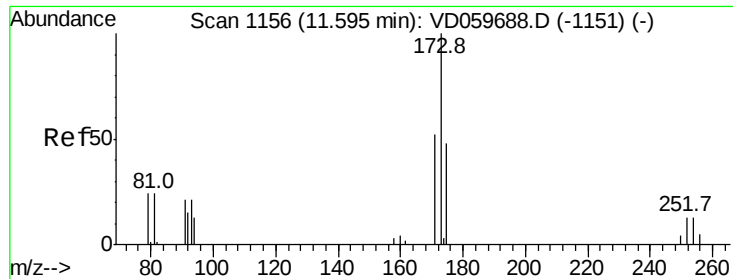
#70
Styrene
Concen: 20.494 ug/l
RT: 11.44 min Scan# 1140
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion:104 Resp: 96421
Ion Ratio Lower Upper
104 100
78 53.8 51.9 77.9
103 46.2 36.2 54.4



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





#71

Bromoform

Concen: 20.040 ug/l

RT: 11.60 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

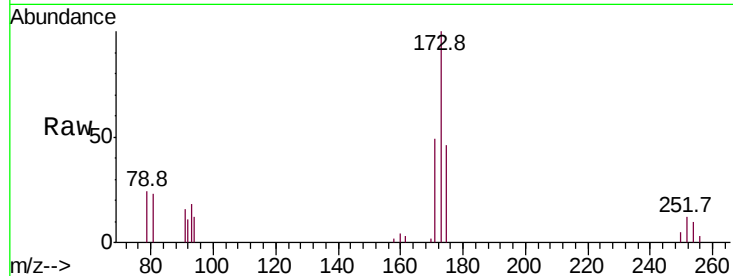
Tot Ion:173 Resp: 33124

Ion Ratio Lower Upper

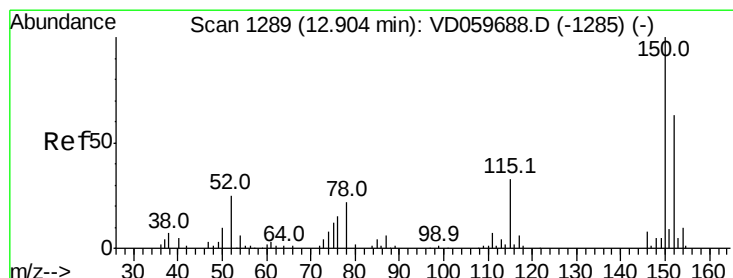
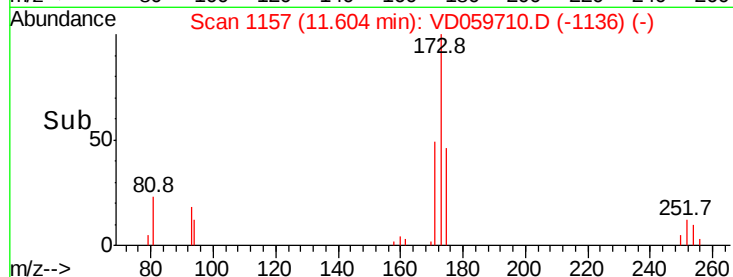
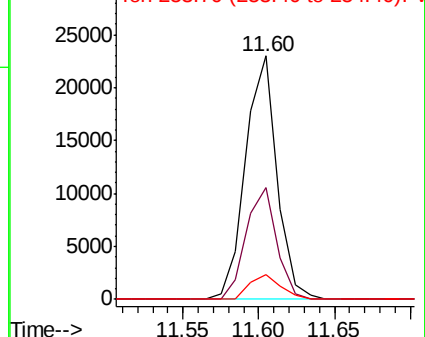
173 100

175 45.8 24.1 72.4

254 10.0 10.6 16.0#



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# 1290

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

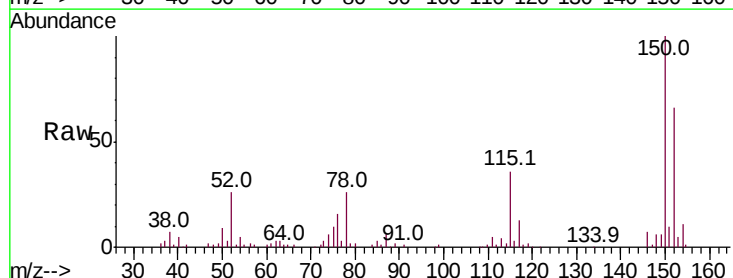
Tgt Ion:152 Resp: 126164

Ion Ratio Lower Upper

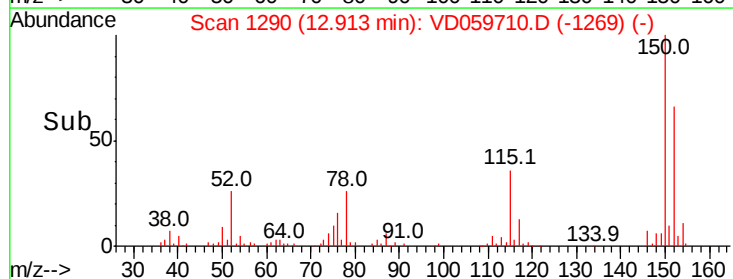
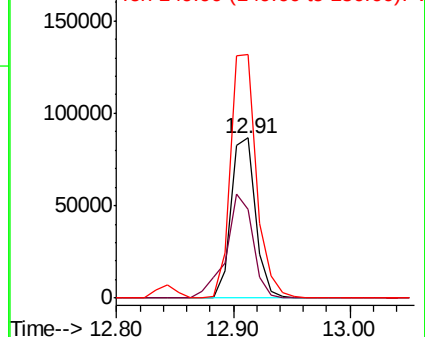
152 100

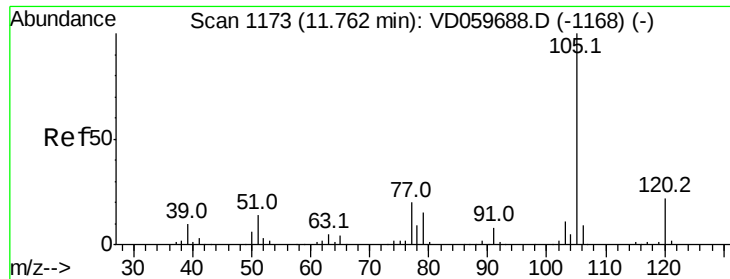
115 55.2 28.8 86.4

150 152.3 0.0 318.0



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

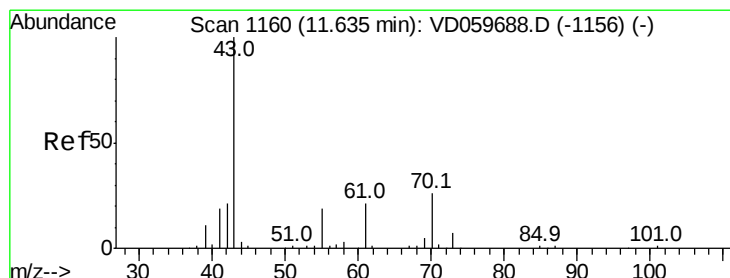
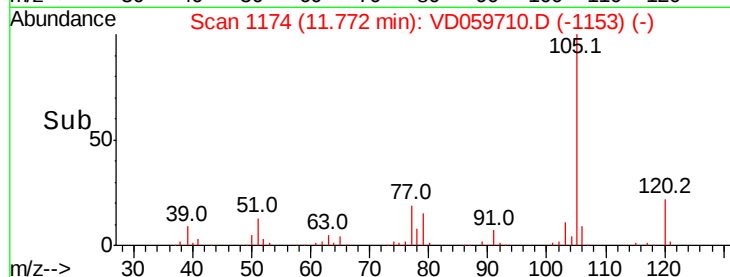
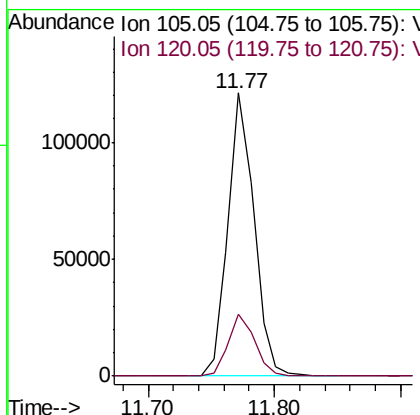
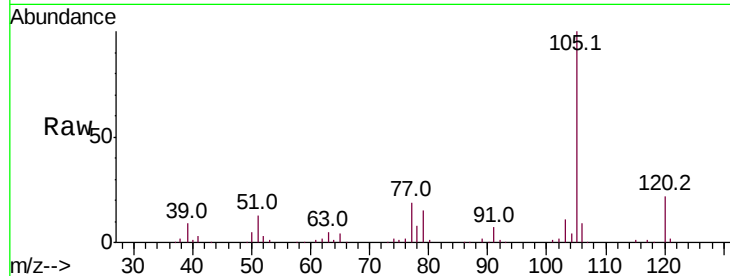




#73
Isopropylbenzene
Concen: 20.380 ug/l
RT: 11.77 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

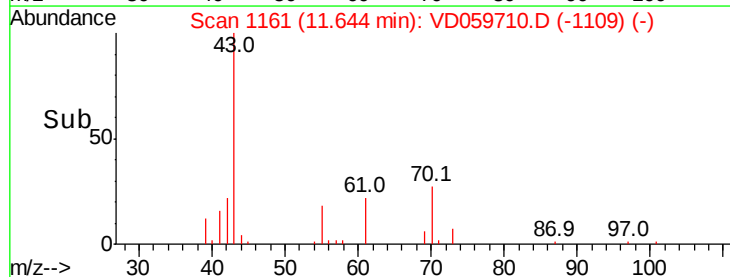
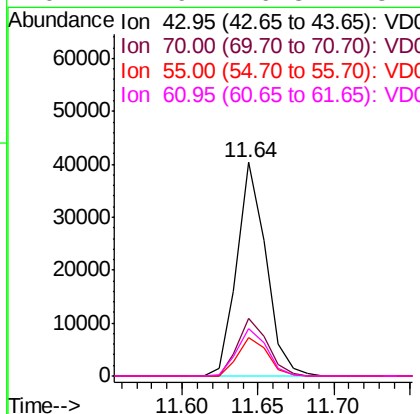
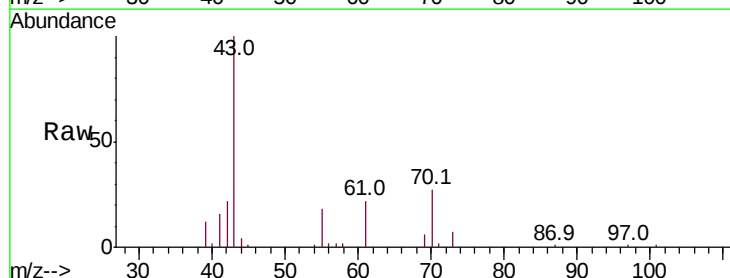
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

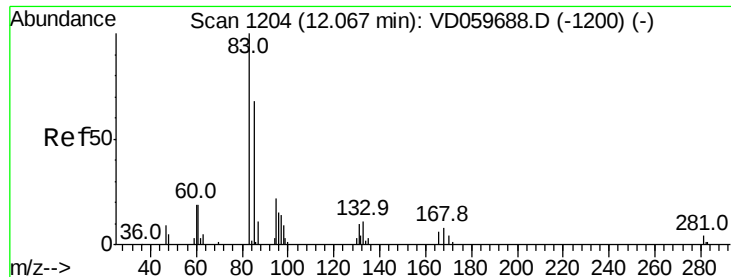
Tot Ion:105 Resp: 172799
Ion Ratio Lower Upper
105 100
120 21.7 10.8 32.3



#74
N-ethyl acetate
Concen: 19.848 ug/l
RT: 11.64 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 43 Resp: 53840
Ion Ratio Lower Upper
43 100
70 26.9 21.0 31.6
55 17.8 15.4 23.2
61 21.9 16.8 25.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.928 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

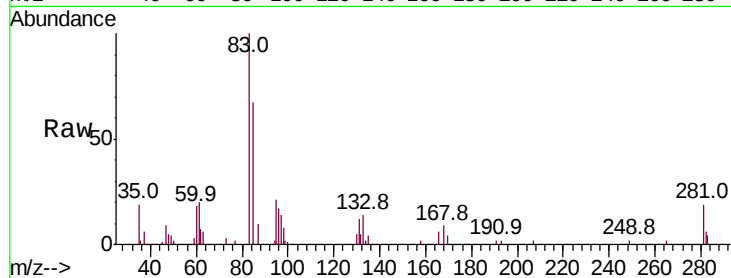
Tot Ion: 83 Resp: 33906

Ion Ratio Lower Upper

83 100

131 12.5 5.3 15.9

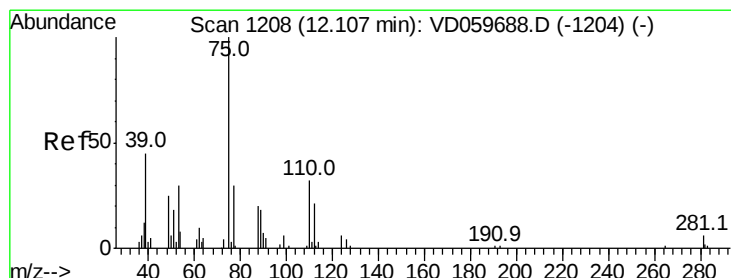
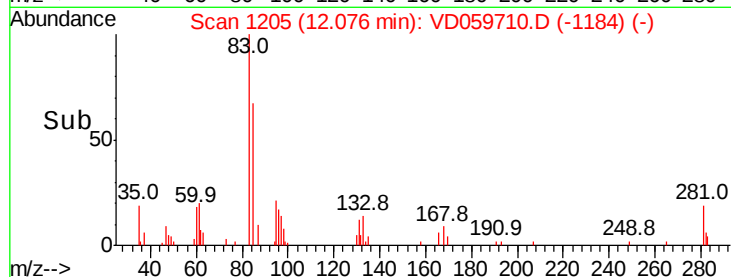
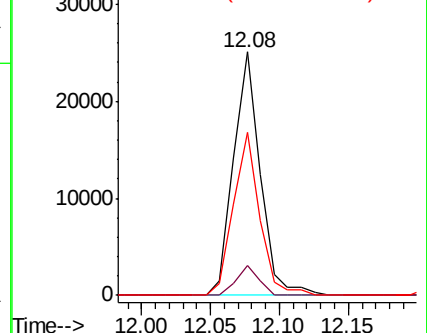
85 66.8 34.1 102.2



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: 21.169 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VD059710.D

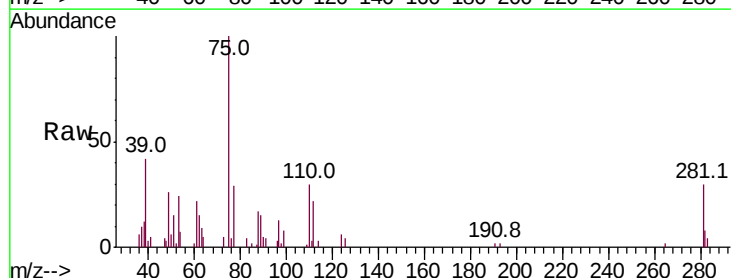
Acq: 8 Aug 2018 13:49

Tgt Ion: 75 Resp: 41287

Ion Ratio Lower Upper

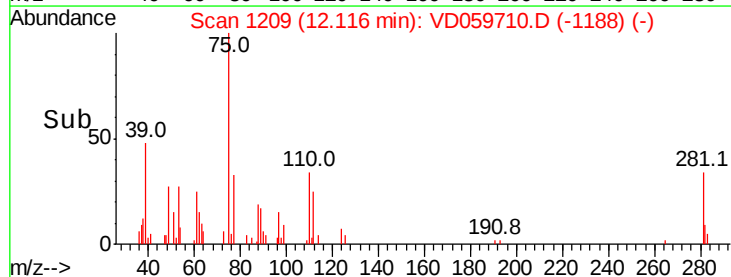
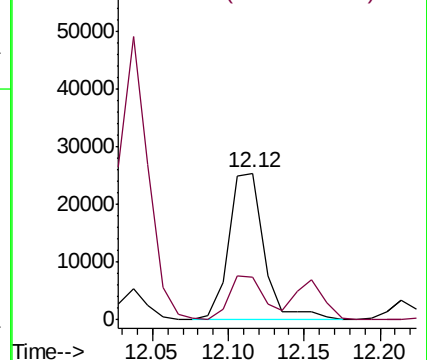
75 100

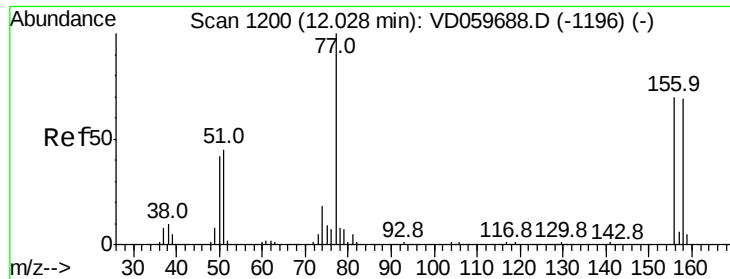
77 29.4 15.5 46.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

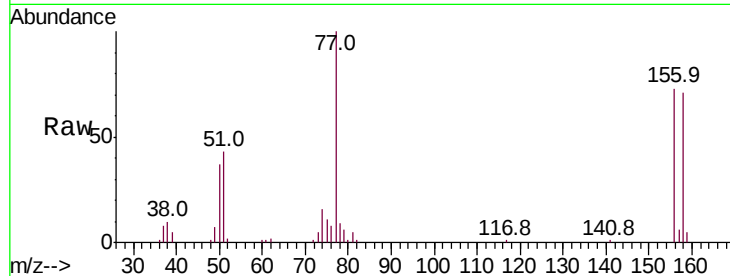




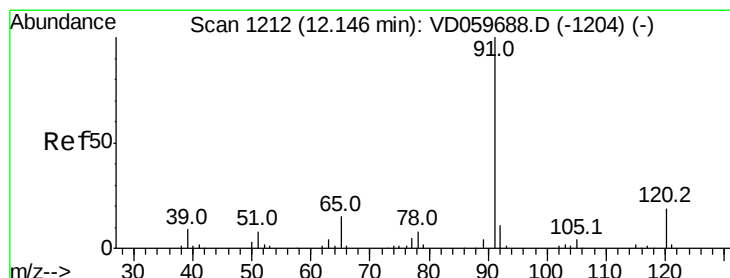
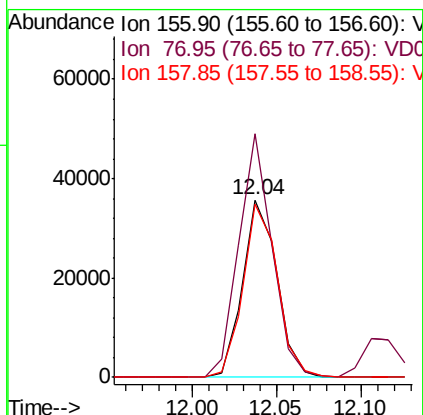
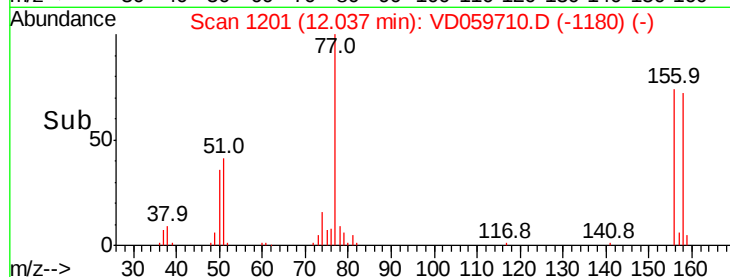
#77
Bromobenzene
Concen: 20.417 ug/l
RT: 12.04 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

Tot Ion:156 Resp: 50458
Ion Ratio Lower Upper
156 100
77 137.4 71.2 213.6
158 98.1 49.1 147.3

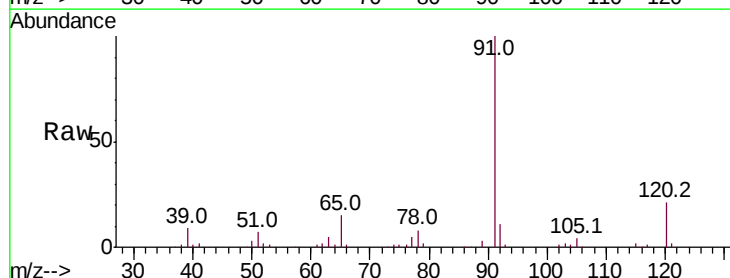


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

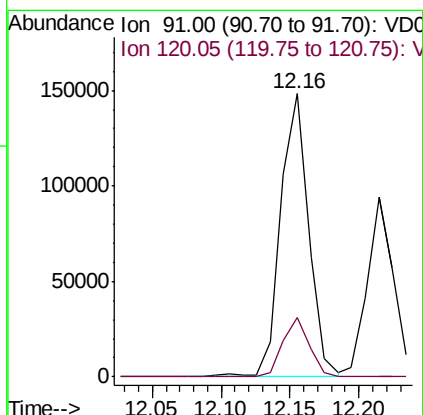
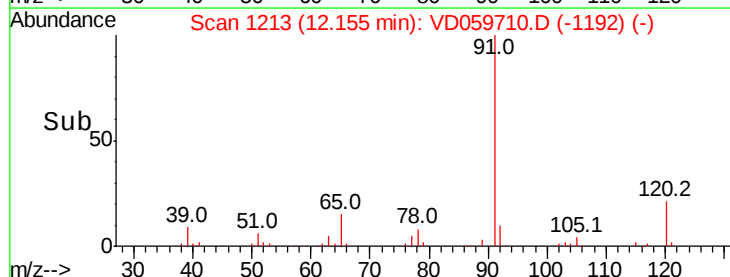


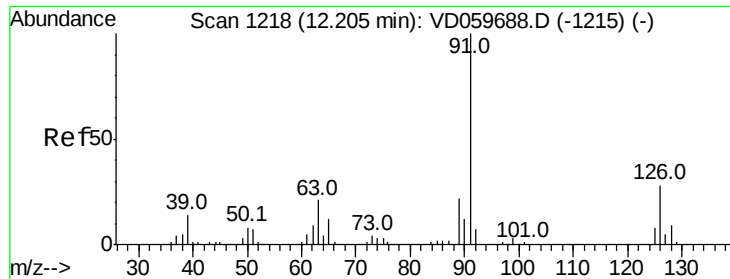
#78
n-propylbenzene
Concen: 19.746 ug/l
RT: 12.16 min Scan# 1213
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 91 Resp: 207476
Ion Ratio Lower Upper
91 100
120 21.1 9.5 28.5



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

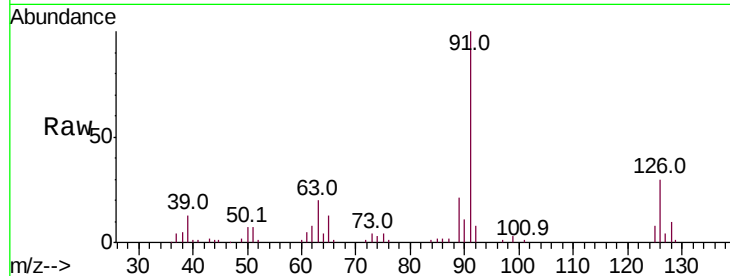




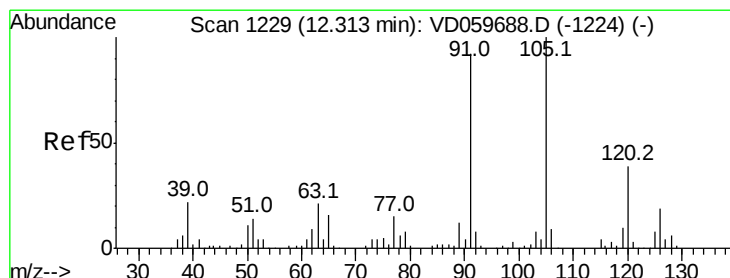
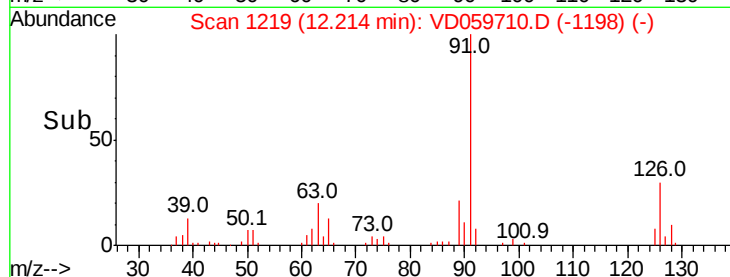
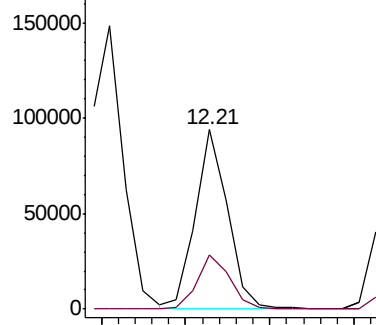
#79
 2-Chlorotoluene
 Concen: 19.470 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

Tot Ion: 91 Resp: 123550
 Ion Ratio Lower Upper
 91 100
 126 30.4 13.7 41.0

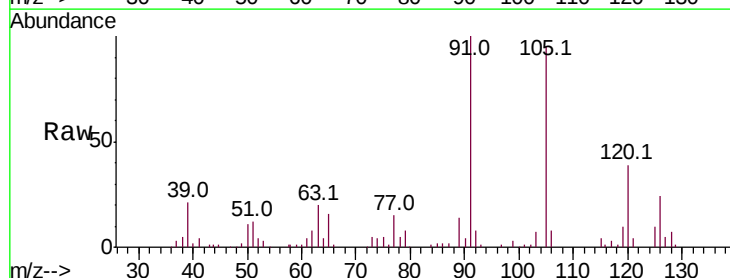


Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 125.95 (125.65 to 126.65): V

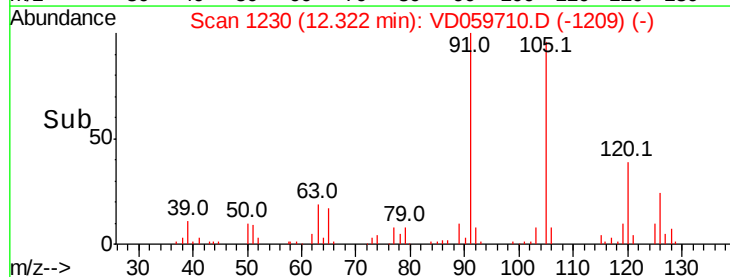
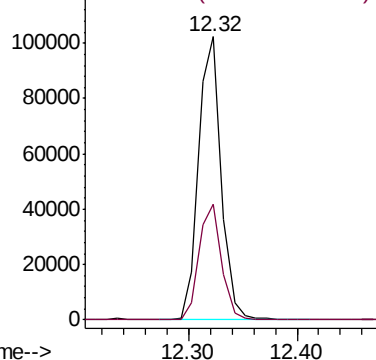


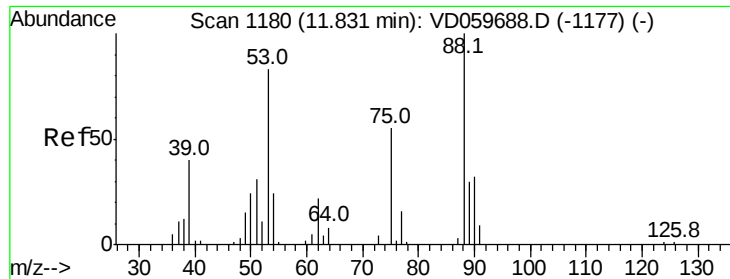
#80
 1,3,5-Trimethylbenzene
 Concen: 21.030 ug/l
 RT: 12.32 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion:105 Resp: 148533
 Ion Ratio Lower Upper
 105 100
 120 40.9 19.7 59.1



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: 19.543 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

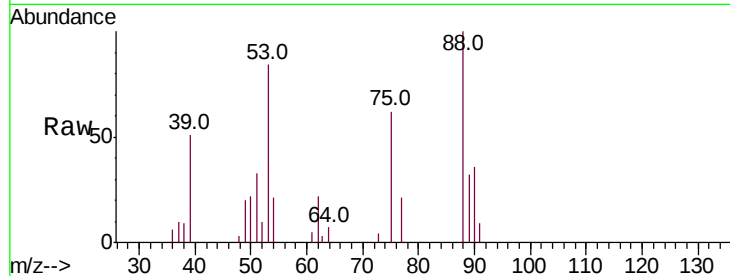
Tot Ion: 75 Resp: 9302

Ion Ratio Lower Upper

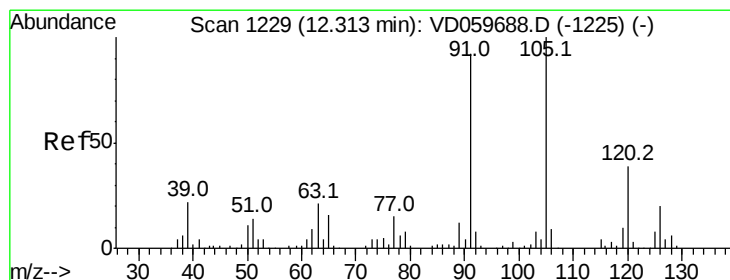
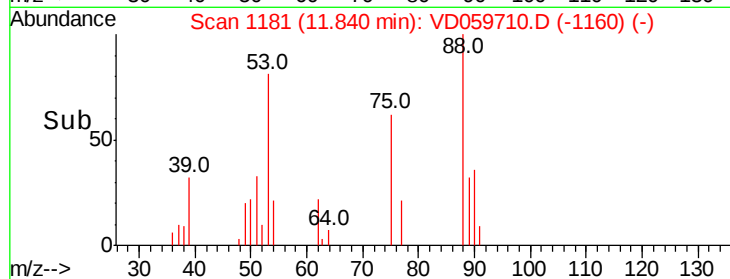
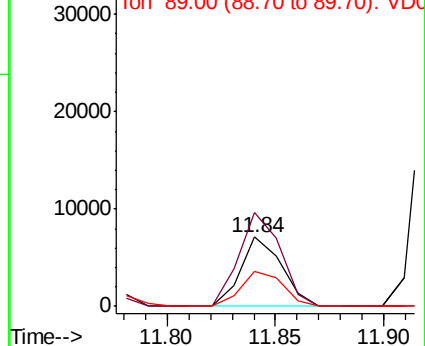
75 100

53 136.4 120.5 180.7

89 51.4 44.4 66.6



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



#82

4-Chlorotoluene

Concen: 20.109 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD059710.D

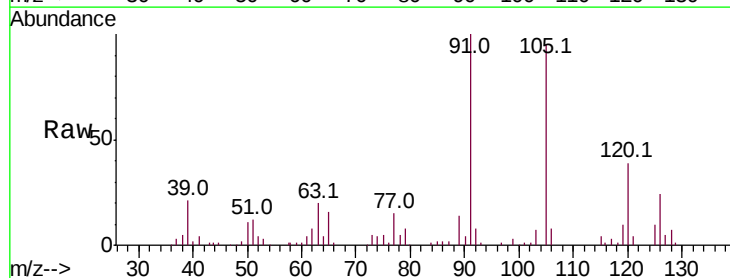
Acq: 8 Aug 2018 13:49

Tgt Ion: 91 Resp: 149381

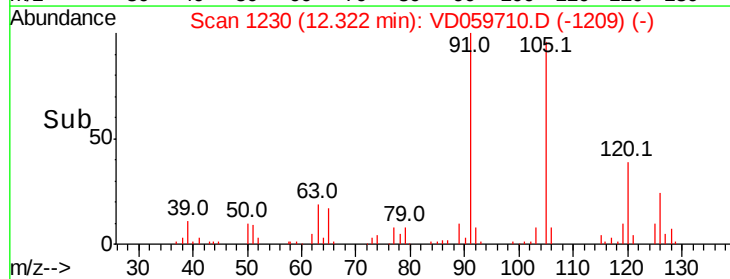
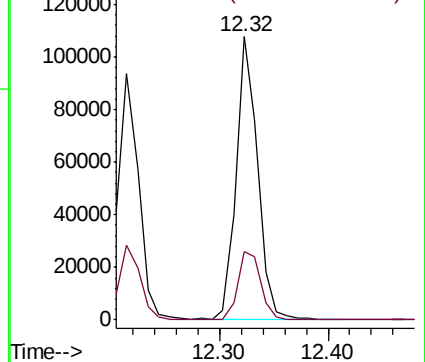
Ion Ratio Lower Upper

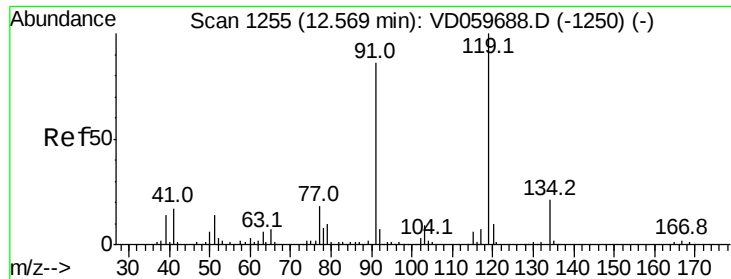
91 100

126 24.2 10.7 31.9



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

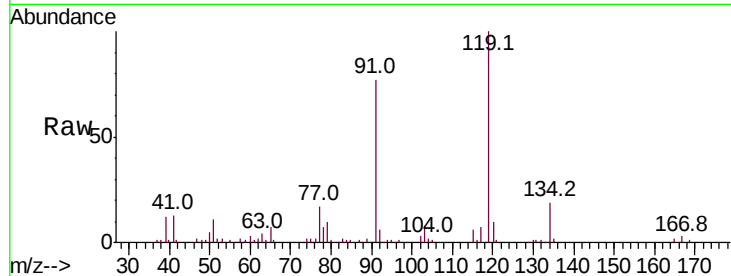




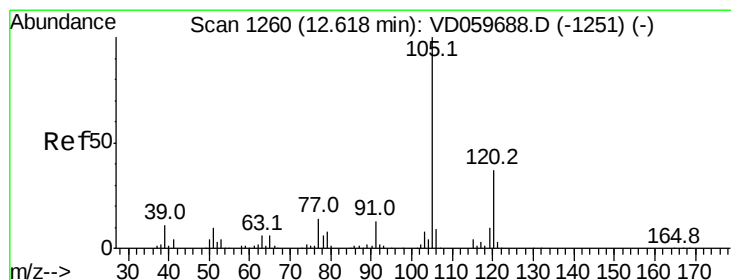
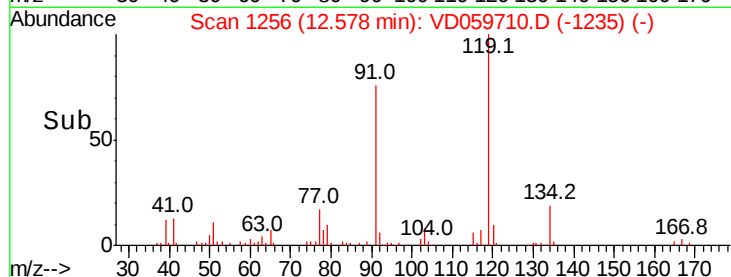
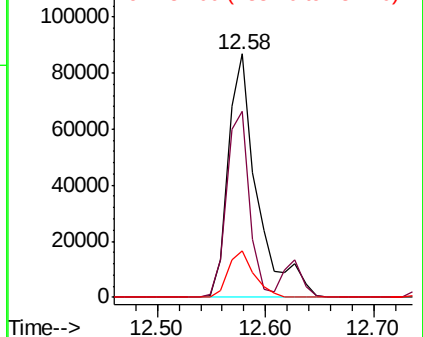
#83
 tert-Butylbenzene
 Concen: 20.335 ug/l
 RT: 12.58 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Tot Ion:119 Resp: 160753
 Ion Ratio Lower Upper
 119 100
 91 76.6 43.3 129.9
 134 19.3 10.5 31.6

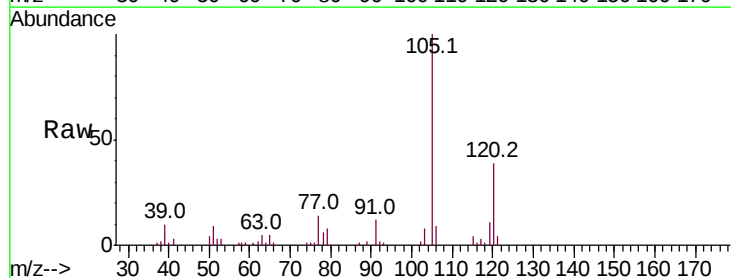


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

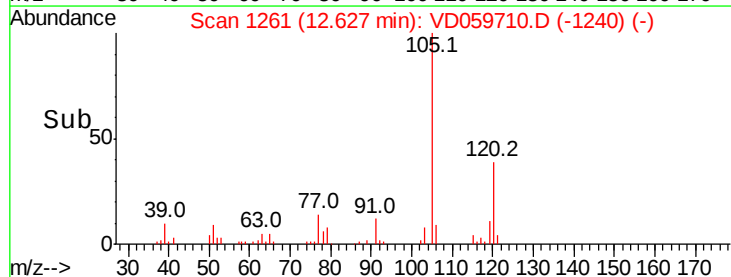
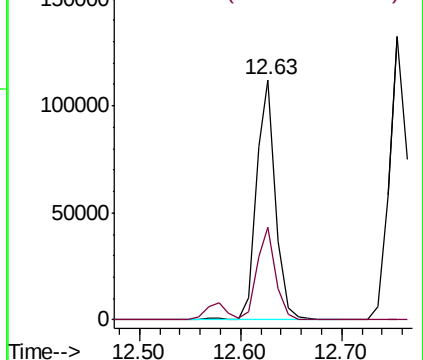


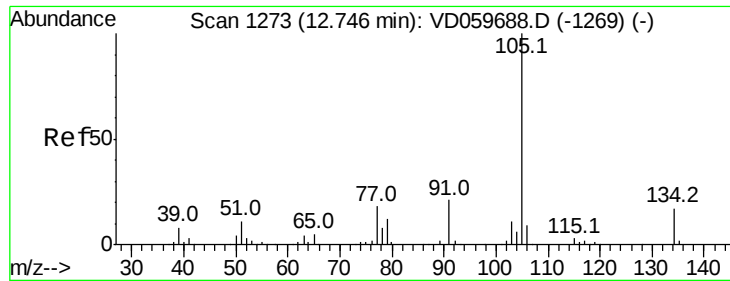
#84
 1,2,4-Trimethylbenzene
 Concen: 19.692 ug/l
 RT: 12.63 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion:105 Resp: 147393
 Ion Ratio Lower Upper
 105 100
 120 38.8 18.7 56.1



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

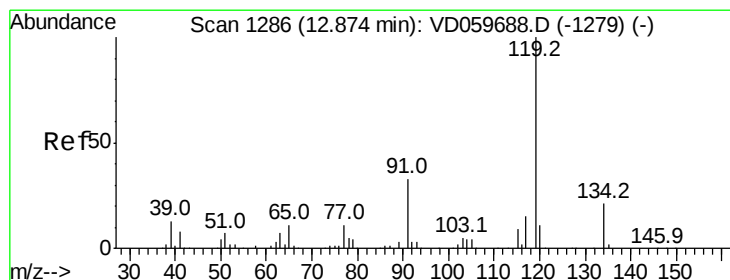
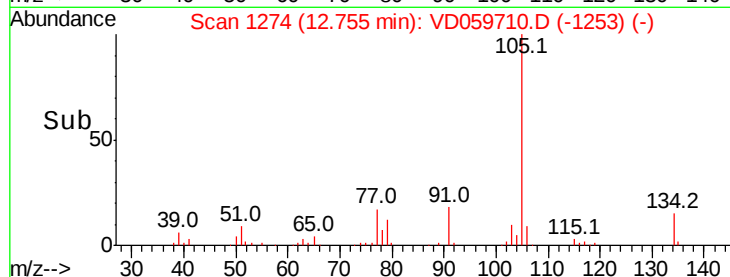
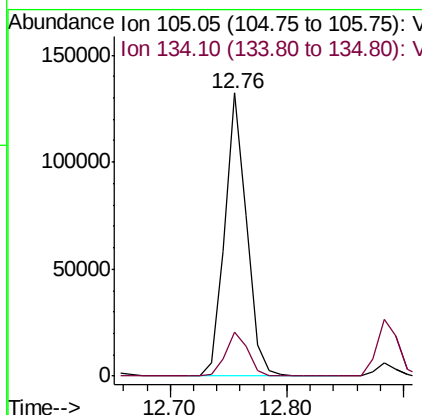
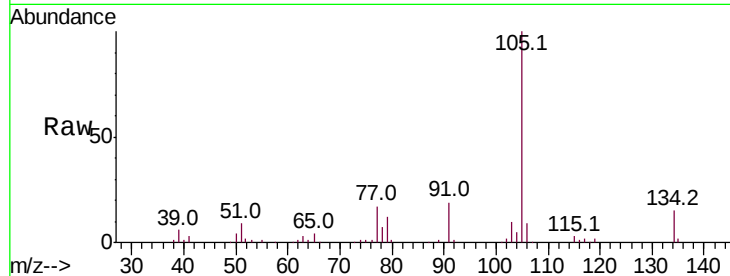




#85
 sec-Butylbenzene
 Concen: 19.546 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

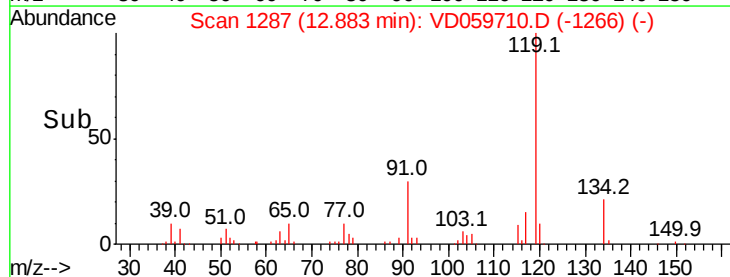
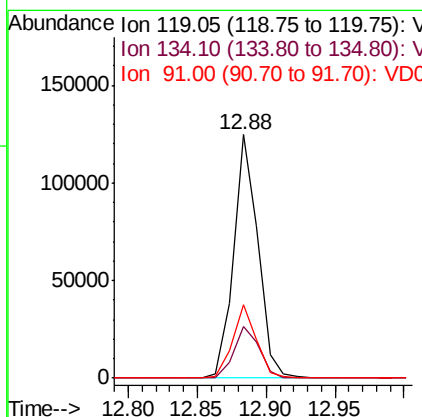
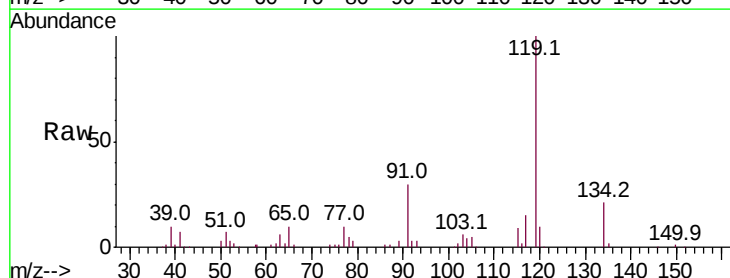
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

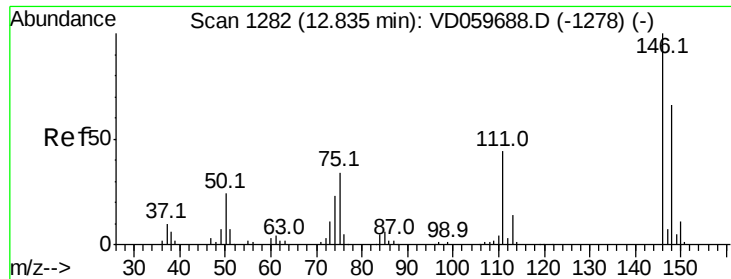
Tot Ion:105 Resp: 171591
 Ion Ratio Lower Upper
 105 100
 134 15.4 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 20.393 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion:119 Resp: 152672
 Ion Ratio Lower Upper
 119 100
 134 21.2 10.7 32.1
 91 30.2 16.6 49.7

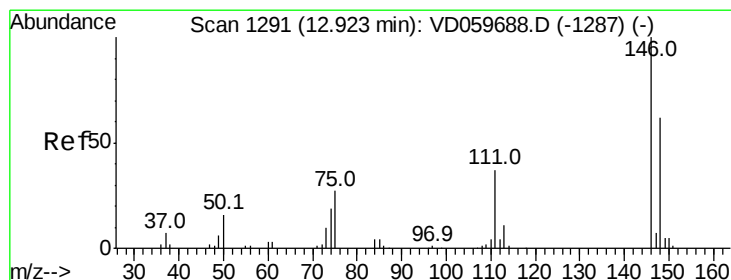
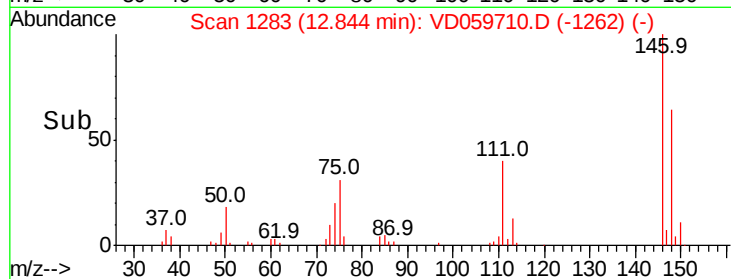
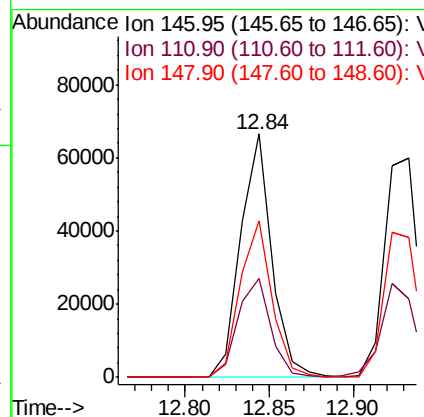
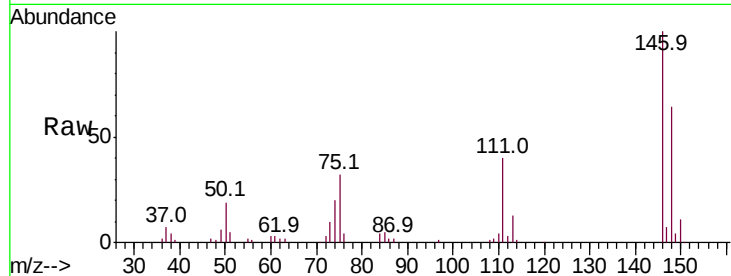




#87
 1,3-Dichlorobenzene
 Concen: 20.105 ug/l
 RT: 12.84 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

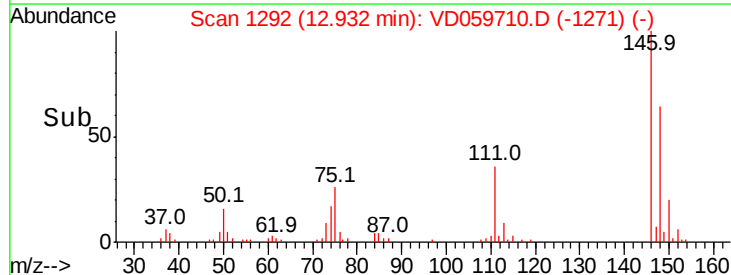
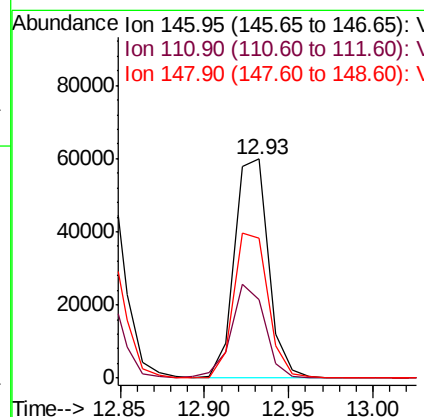
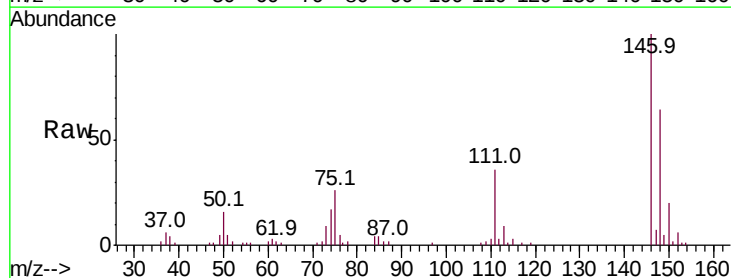
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

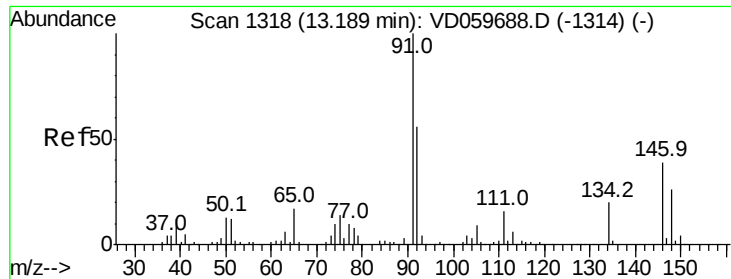
Tot Ion:146 Resp: 85752
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.8 65.4
 148 64.4 33.1 99.2



#88
 1,4-Dichlorobenzene
 Concen: 19.825 ug/l
 RT: 12.93 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion:146 Resp: 84359
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.6 55.8
 148 63.9 31.2 93.6

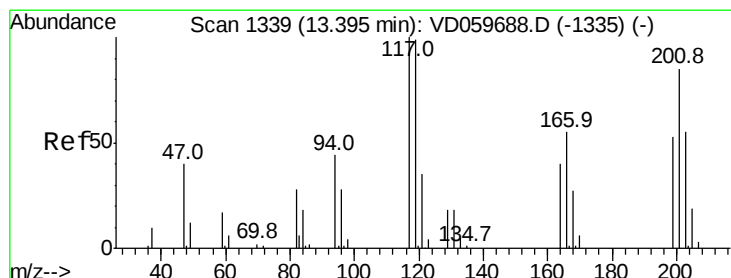
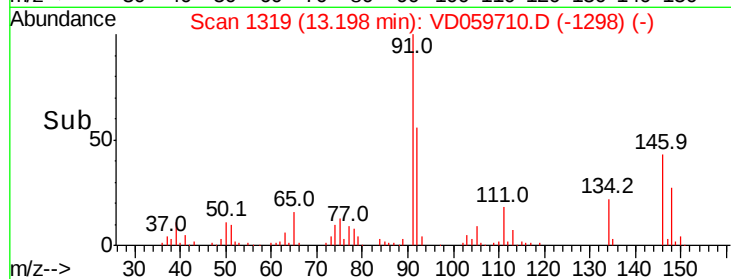
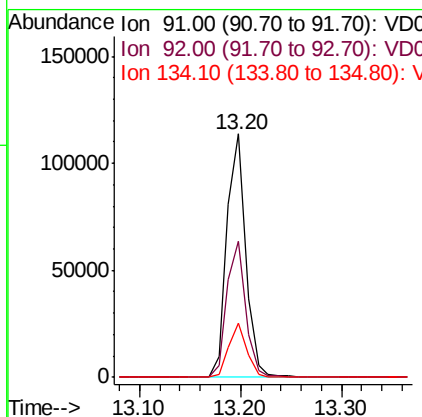
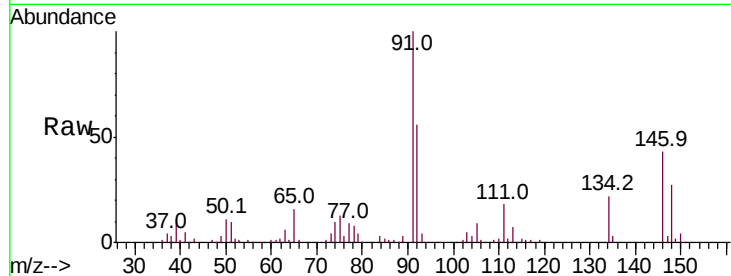




#89
n-Butylbenzene
Concen: 19.530 ug/l
RT: 13.20 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

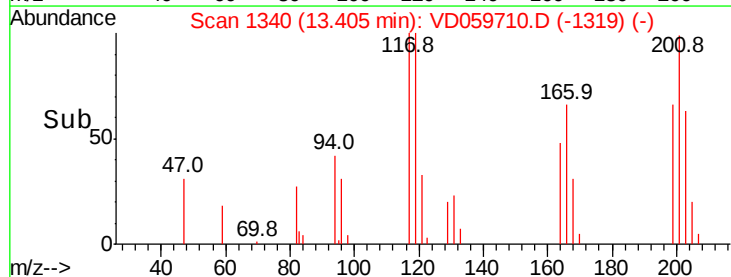
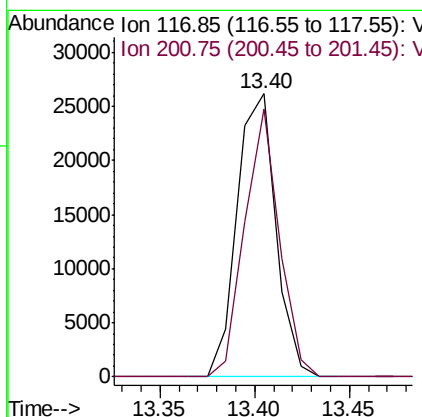
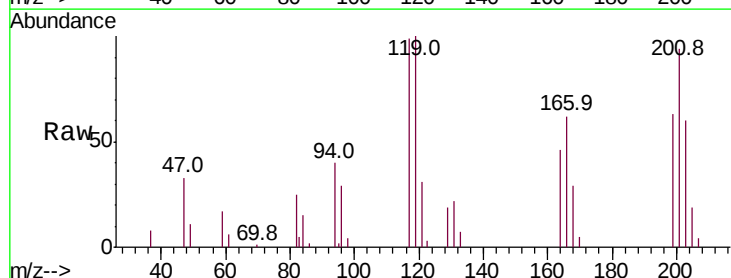
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

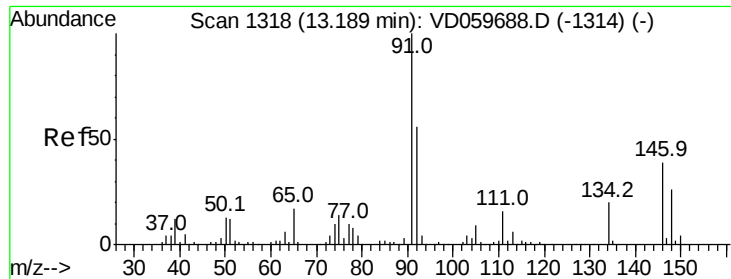
Tot Ion: 91 Resp: 148256
Ion Ratio Lower Upper
91 100
92 55.8 28.2 84.6
134 22.4 9.8 29.5



#90
Hexachloroethane
Concen: 19.069 ug/l
RT: 13.40 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 117 Resp: 37002
Ion Ratio Lower Upper
117 100
201 94.8 42.4 127.1

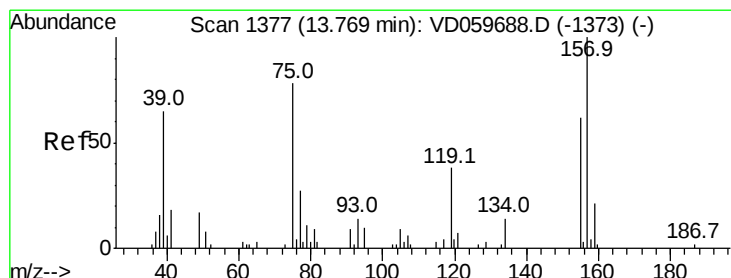
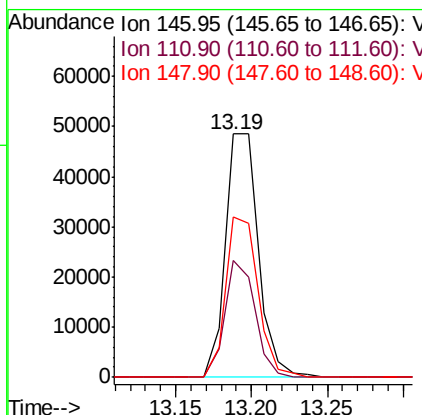
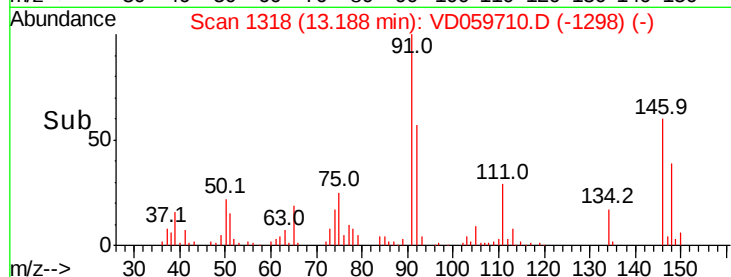
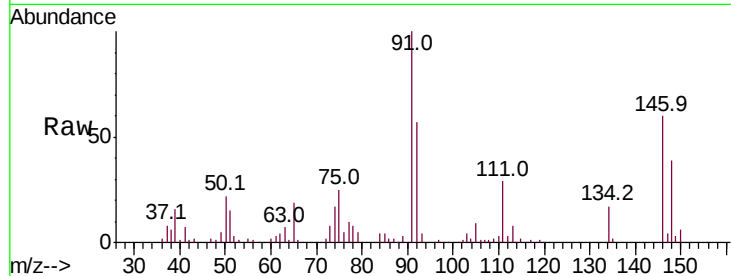




#91
 1,2-Dichlorobenzene
 Concen: 20.383 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

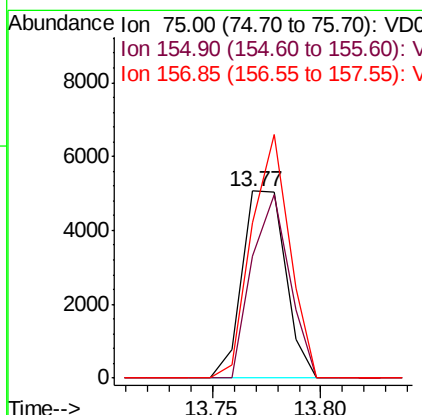
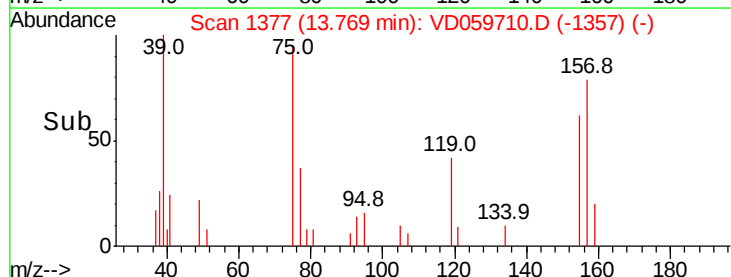
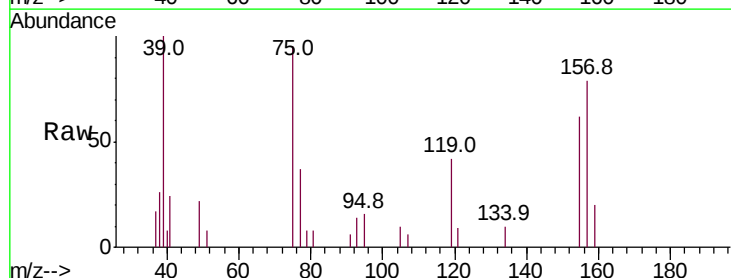
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

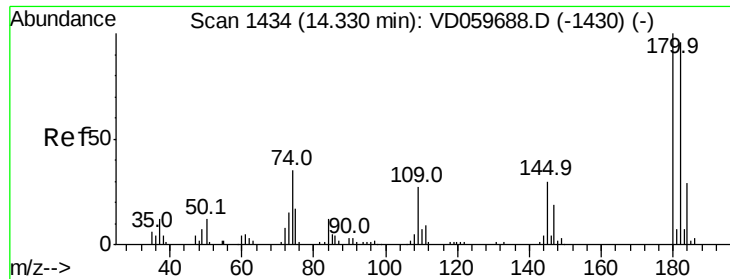
Tot Ion:146 Resp: 73218
 Ion Ratio Lower Upper
 146 100
 111 48.0 20.8 62.2
 148 65.7 33.4 100.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.828 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion: 75 Resp: 7046
 Ion Ratio Lower Upper
 75 100
 155 65.1 40.0 119.9
 157 83.1 64.3 192.7

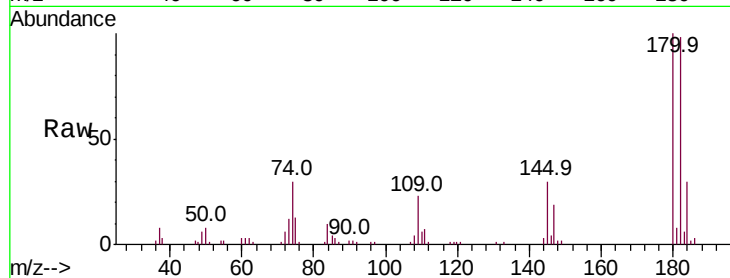




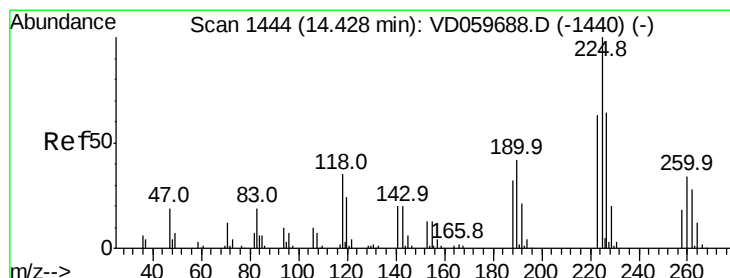
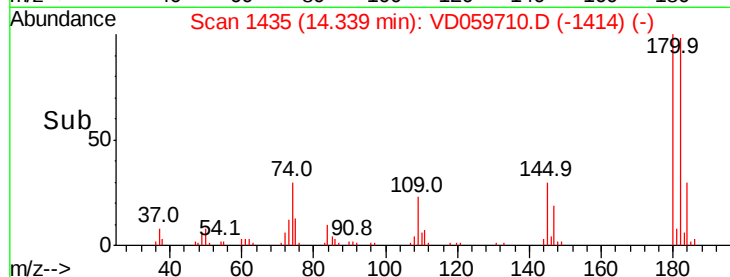
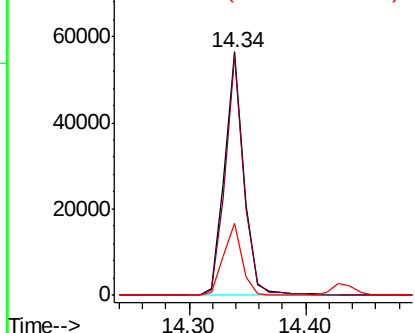
#93
 1,2,4-Trichlorobenzene
 Concen: 19.977 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

Tot Ion:180 Resp: 64553
 Ion Ratio Lower Upper
 180 100
 182 98.2 48.0 144.0
 145 29.5 14.8 44.4

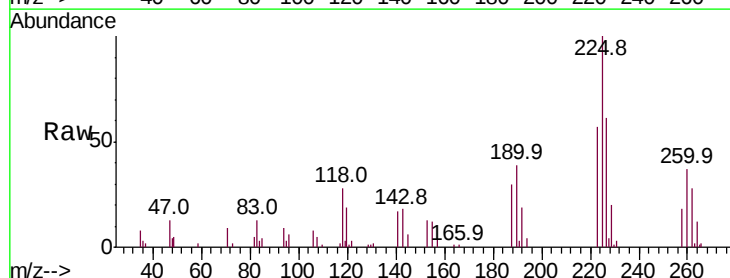


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

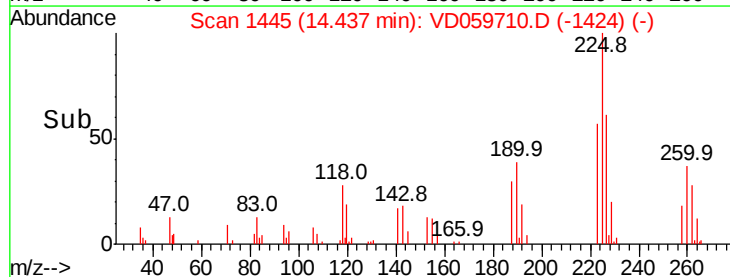
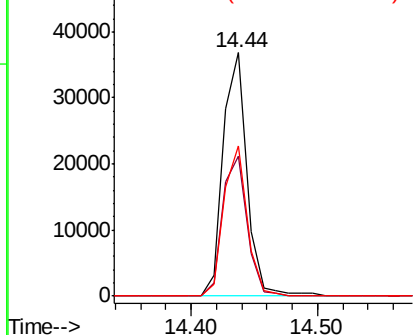


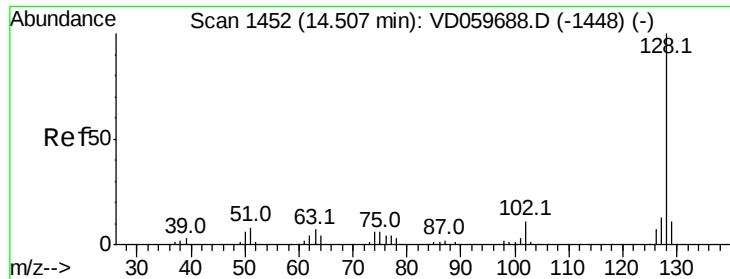
#94
 Hexachlorobutadiene
 Concen: 19.101 ug/l
 RT: 14.44 min Scan# 1445
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion:225 Resp: 47868
 Ion Ratio Lower Upper
 225 100
 223 57.5 31.4 94.3
 227 61.4 32.1 96.3



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





#95

Naphthalene

Concen: 19.154 ug/l

RT: 14.52 min Scan# 1453

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

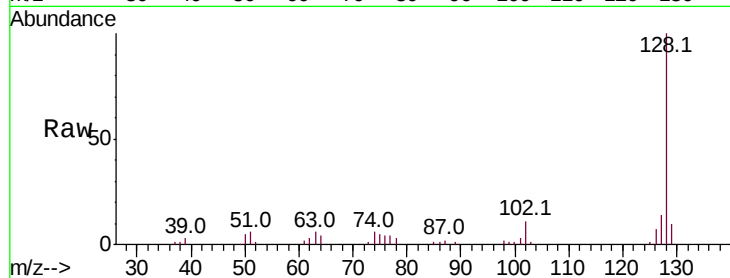
Tot Ion:128 Resp: 91660

Ion Ratio Lower Upper

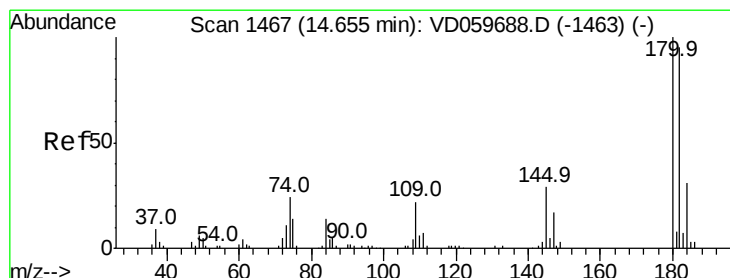
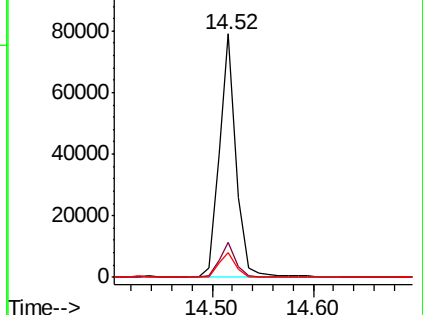
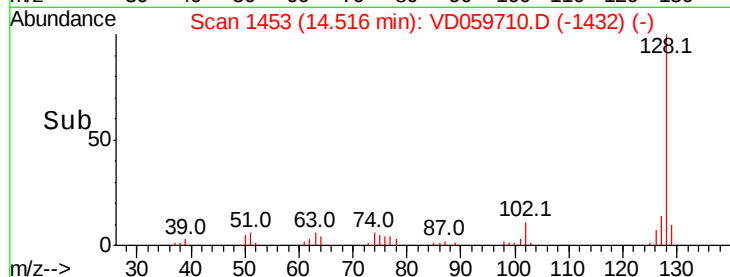
128 100

127 14.3 10.6 16.0

129 10.0 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 18.756 ug/l

RT: 14.66 min Scan# 1468

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

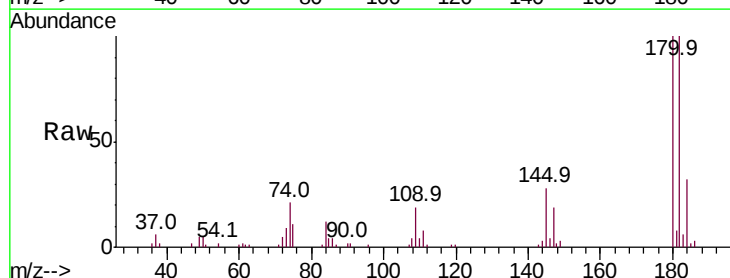
Tgt Ion:180 Resp: 53015

Ion Ratio Lower Upper

180 100

182 100.1 47.5 142.5

145 27.7 14.5 43.5



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

