

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
 Data File : VD059911.D
 Acq On : 27 Aug 2018 13:02
 Operator : JC/SY
 Sample : VD0827SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 27 14:50:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1151013	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	1645774	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1376153	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	723118	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	498970	51.43	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	6.30	113	643837	49.90	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	9.44	98	1799408	50.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.42	95	690266	47.46	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	181959	17.685	ug/l	100
3) Chloromethane	1.74	50	165750	17.783	ug/l	95
4) Vinyl Chloride	1.83	62	133307	18.240	ug/l	98
5) Bromomethane	2.12	94	12160	9.637	ug/l	87
6) Chloroethane	2.23	64	31523	11.898	ug/l	98
7) Trichlorofluoromethane	2.48	101	156150	18.468	ug/l	99
8) Diethyl Ether	2.80	74	36701	19.349	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.06	101	107267	20.716	ug/l	94
10) Methyl Iodide	3.22	142	83477	17.550	ug/l	99
11) Tert butyl alcohol	3.96	59	81125	109.594	ug/l	100
12) 1,1-Dichloroethene	3.04	96	78785	19.545	ug/l	96
13) Acrolein	2.96	56	24564	76.510	ug/l	92
14) Allyl chloride	3.51	41	186023	20.399	ug/l	96
15) Acrylonitrile	4.06	53	288699	104.149	ug/l	97
16) Acetone	3.14	43	183498	103.820	ug/l	98
17) Carbon Disulfide	3.29	76	191577	15.311	ug/l	99
18) Methyl Acetate	3.53	43	71545	19.391	ug/l	96
19) Methyl tert-butyl Ether	4.10	73	464069	20.351	ug/l	99
20) Methylene Chloride	3.69	84	271089	20.807	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	210458	18.950	ug/l	100
22) Diisopropyl ether	4.83	45	942040	20.255	ug/l	97
23) Vinyl Acetate	4.77	43	2829066	108.815	ug/l	100
24) 1,1-Dichloroethane	4.73	63	405859	20.200	ug/l	99
25) 2-Butanone	5.60	43	475399	90.817	ug/l	97
26) 2,2-Dichloropropane	5.56	77	318079	18.937	ug/l	98
27) cis-1,2-Dichloroethene	5.57	96	235457	19.363	ug/l	99
28) Bromochloromethane	5.90	49	207558	21.554	ug/l	96
29) Tetrahydrofuran	5.94	42	267576	107.370	ug/l	98
30) Chloroform	6.08	83	419578	20.548	ug/l	100
31) Cyclohexane	6.34	56	322751	17.473	ug/l	96
32) 1,1,1-Trichloroethane	6.27	97	346621	20.001	ug/l	98
36) 1,1-Dichloropropene	6.50	75	285794	19.156	ug/l	96
37) Ethyl Acetate	5.68	43	226062	19.472	ug/l	98
38) Carbon Tetrachloride	6.48	117	281960	18.728	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	279813	17.359	ug/l	99
40) Benzene	6.77	78	757492	19.527	ug/l	100
41) Methacrylonitrile	5.94	41	262369	44.865	ug/l #	79
42) 1,2-Dichloroethane	6.87	62	242723	19.491	ug/l	99
43) Isopropyl Acetate	8.34	43	300576	19.901	ug/l #	100
44) Trichloroethene	7.72	130	223617	19.578	ug/l	95
45) 1,2-Dichloropropane	8.09	63	213527	19.692	ug/l	97
46) Dibromomethane	8.20	93	139888	20.064	ug/l	98
47) Bromodichloromethane	8.48	83	309473	19.607	ug/l	99
48) Methyl methacrylate	8.23	41	173079	19.659	ug/l	97
49) 1,4-Dioxane	8.22	88	32832	417.692	ug/l	99
51) 4-Methyl-2-Pentanone	9.33	43	969041	86.061	ug/l	98
52) Toluene	9.54	92	481554	19.359	ug/l	97
53) t-1,3-Dichloropropene	9.90	75	288909	19.790	ug/l	96
54) cis-1,3-Dichloropropene	9.09	75	329750	19.482	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	181117	19.919	ug/l	97
56) Ethyl methacrylate	10.02	69	208670	19.885	ug/l	96
57) 1,3-Dichloropropane	10.37	76	275636	20.944	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	584174	116.044	ug/l	100
59) 2-Hexanone	10.48	43	763921	91.982	ug/l	99
60) Dibromochloromethane	10.63	129	229475	20.079	ug/l	94
61) 1,2-Dibromoethane	10.75	107	180652	19.649	ug/l	98
64) Tetrachloroethene	10.24	164	206621	19.418	ug/l	99
65) Chlorobenzene	11.31	112	562375	20.565	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	206091	20.628	ug/l	100
67) Ethyl Benzene	11.42	91	949838	20.646	ug/l	99
68) m/p-Xylenes	11.56	106	703342	41.989	ug/l	95
69) o-Xylene	11.93	106	348205	21.254	ug/l	98
70) Styrene	11.95	104	604615	21.313	ug/l	98
71) Bromoform	12.11	173	170943	19.775	ug/l	99
73) Isopropylbenzene	12.27	105	938356	20.328	ug/l	99
74) N-amyl acetate	12.13	43	418827	20.722	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	223222	20.907	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	232721	20.707	ug/l	99
77) Bromobenzene	12.53	156	270834	21.162	ug/l	96
78) n-propylbenzene	12.63	91	1195273	20.449	ug/l	97
79) 2-Chlorotoluene	12.70	91	678085	20.514	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	765740	20.865	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	67293	19.248	ug/l	98
82) 4-Chlorotoluene	12.81	91	806150	21.381	ug/l	97
83) tert-Butylbenzene	13.04	119	880303	21.057	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	805711	21.064	ug/l	97
85) sec-Butylbenzene	13.22	105	1023054	20.810	ug/l	97
86) p-Isopropyltoluene	13.34	119	837720	20.952	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	484671	21.212	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	490681	21.525	ug/l	98
89) n-Butylbenzene	13.64	91	880132	20.373	ug/l	97
90) Hexachloroethane	13.85	117	208236	19.396	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	436529	22.469	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	31378	19.114	ug/l	87

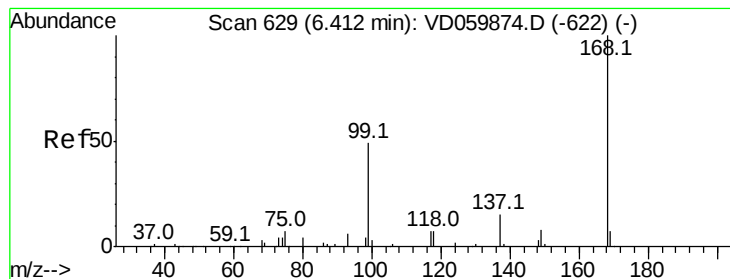
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082718\
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	344971	20.738	ug/l	98
94) Hexachlorobutadiene	14.87	225	227717	20.884	ug/l	98
95) Naphthalene	14.96	128	523418	20.591	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	300269	21.106	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

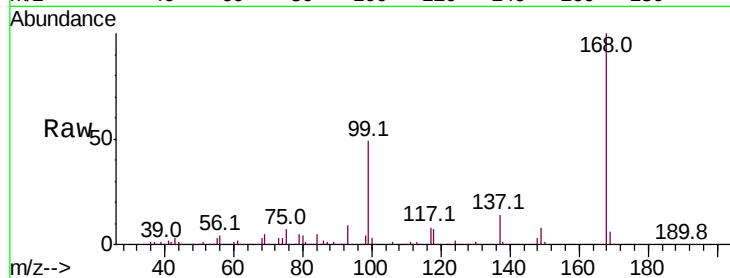
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1151013

Ion Ratio Lower Upper

168 100

99 48.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

400000

300000

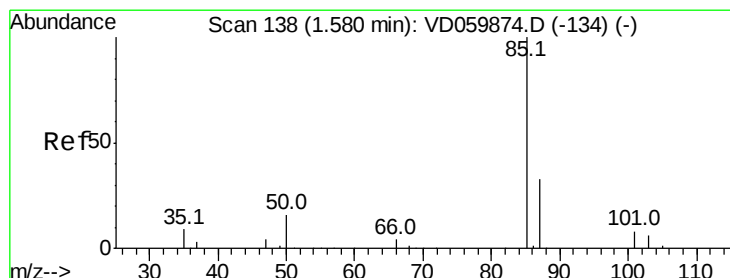
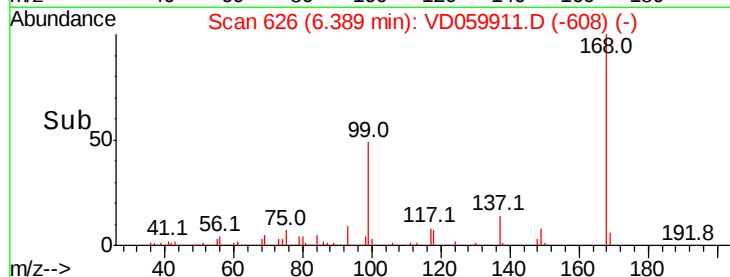
200000

100000

0

6.20 6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 17.685 ug/l

RT: 1.57 min Scan# 136

Delta R.T. -0.01 min

Lab File: VD059911.D

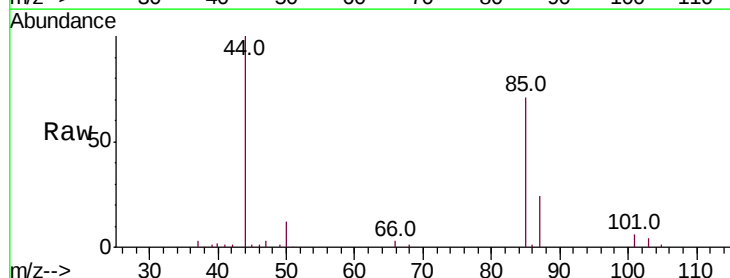
Acq: 27 Aug 2018 13:02

Tgt Ion: 85 Resp: 181959

Ion Ratio Lower Upper

85 100

87 33.4 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

80000

60000

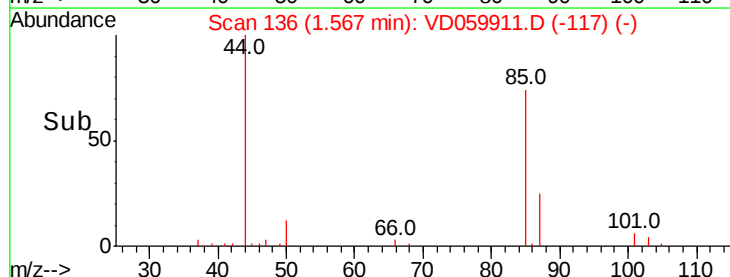
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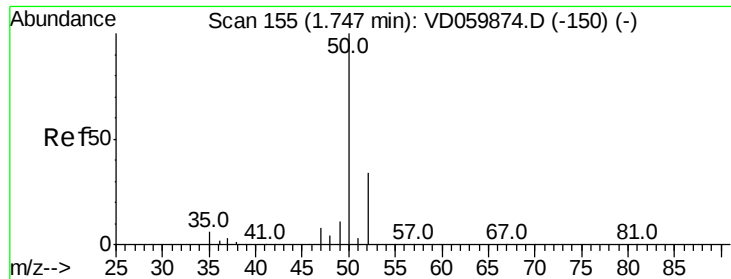
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 17.783 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.00 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

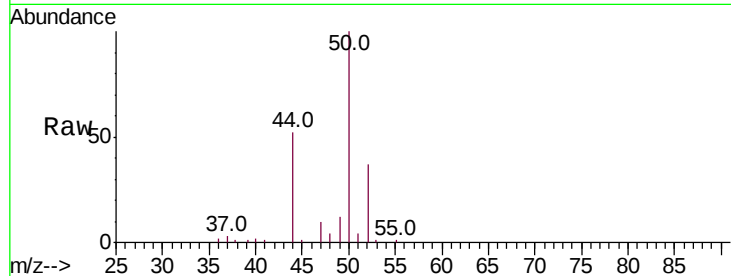
ClientSampled :

Tot Ion: 50 Resp: 165750

Ion Ratio Lower Upper

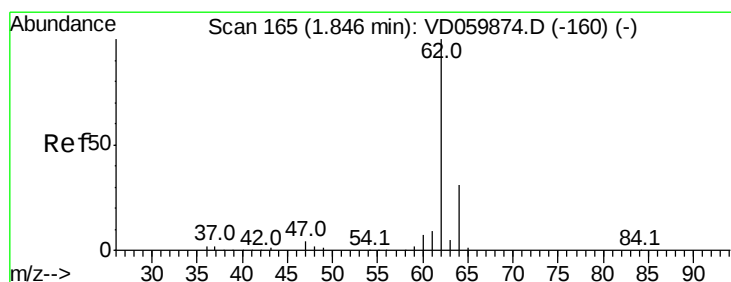
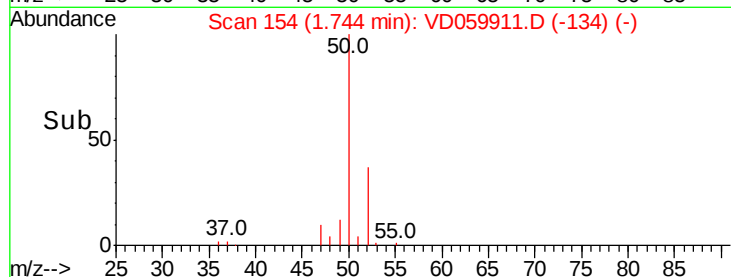
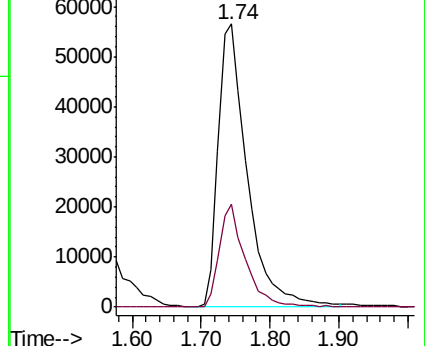
50 100

52 36.6 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.240 ug/l

RT: 1.83 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD059911.D

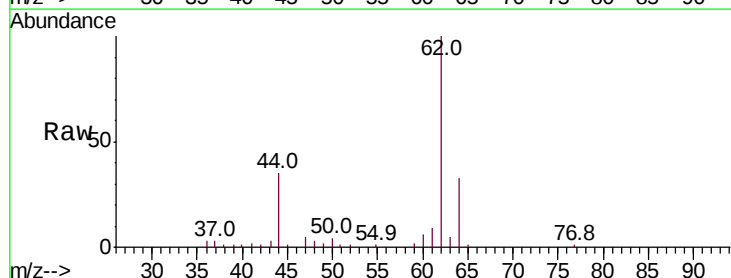
Acq: 27 Aug 2018 13:02

Tgt Ion: 62 Resp: 133307

Ion Ratio Lower Upper

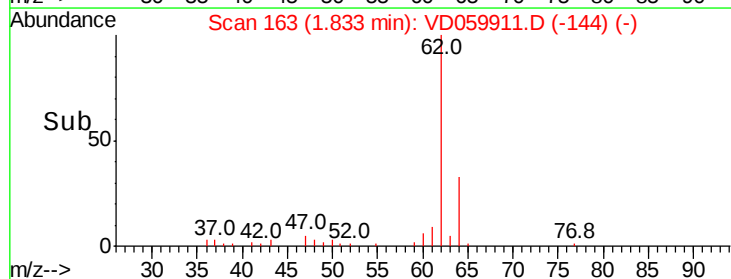
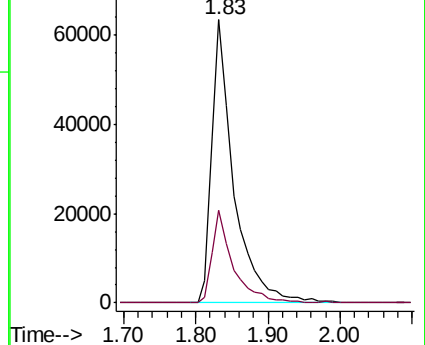
62 100

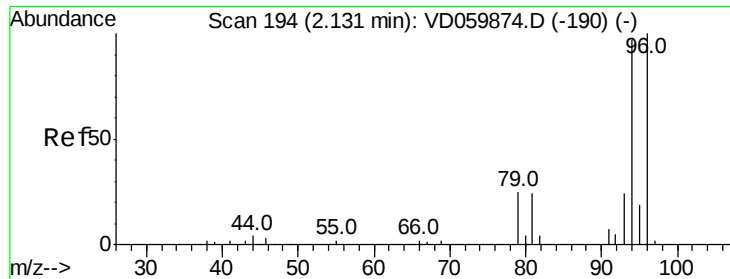
64 32.5 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

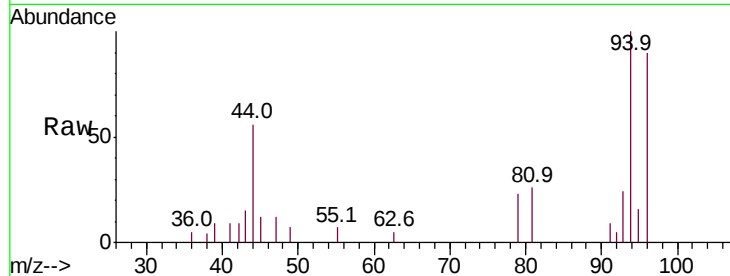




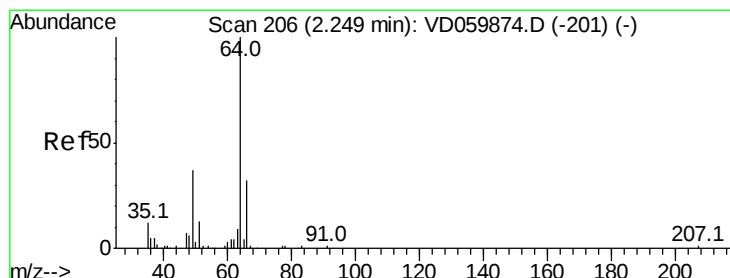
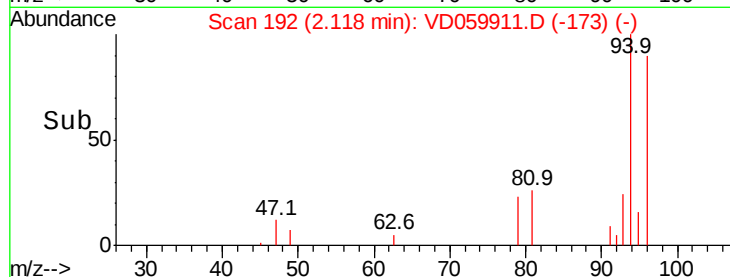
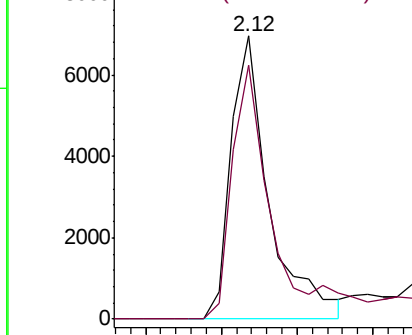
#5
Bromomethane
Concen: 9.637 ug/l
RT: 2.12 min Scan# 192
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 12160
Ion Ratio Lower Upper
94 100
96 89.8 82.4 123.6

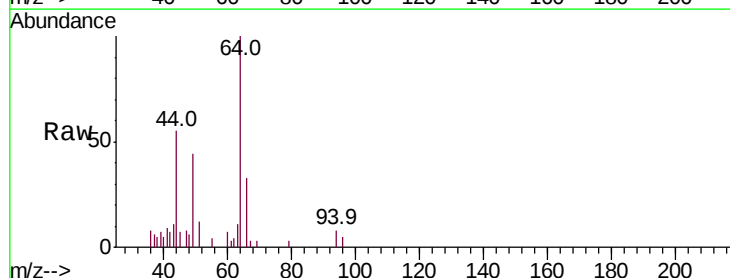


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

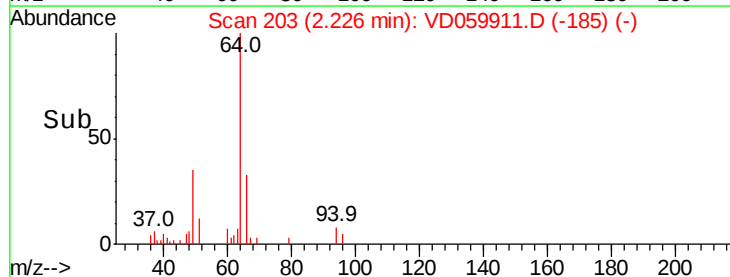
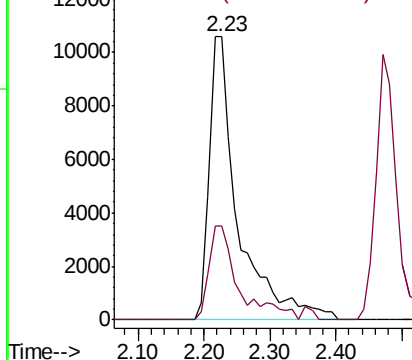


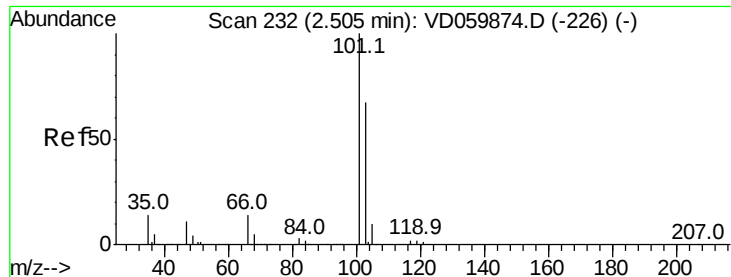
#6
Chloroethane
Concen: 11.898 ug/l
RT: 2.23 min Scan# 203
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion: 64 Resp: 31523
Ion Ratio Lower Upper
64 100
66 33.0 25.3 37.9



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



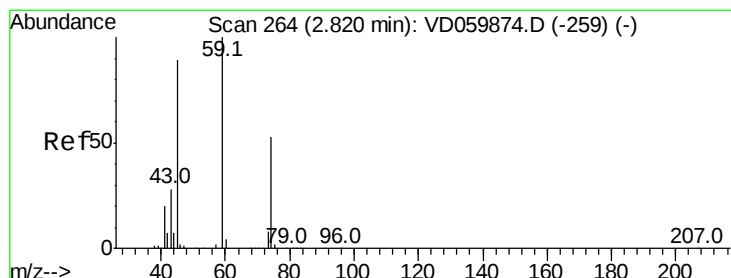
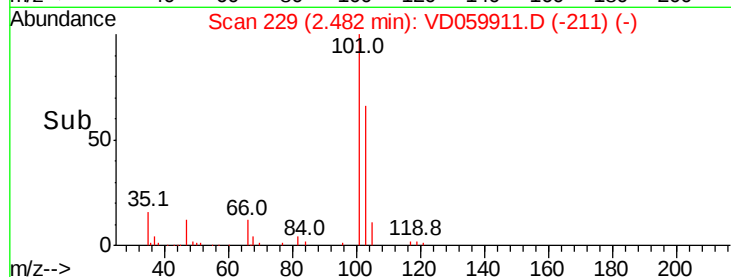
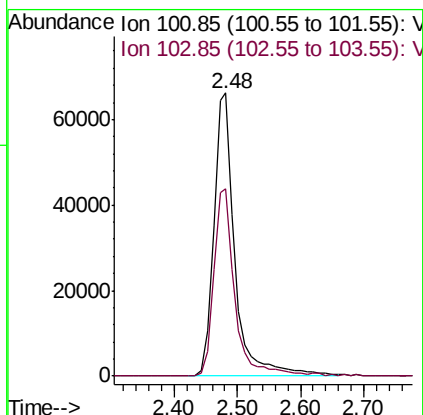
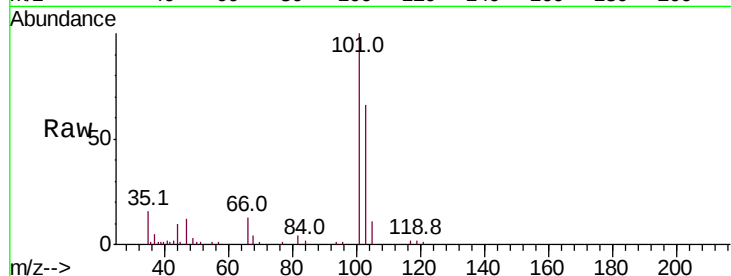


#7

Trichlorofluoromethane
Concen: 18.468 ug/l
RT: 2.48 min Scan# 229
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampled :

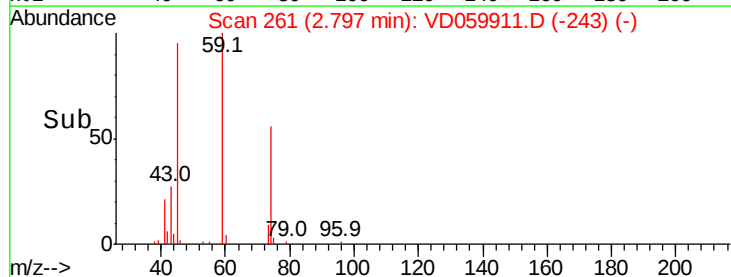
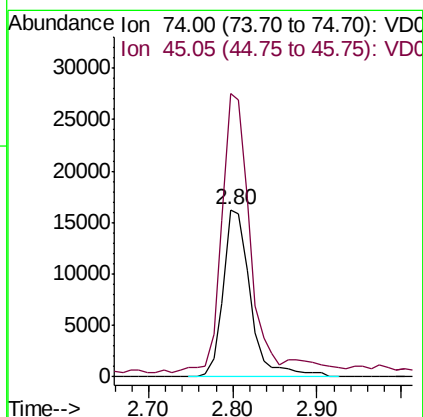
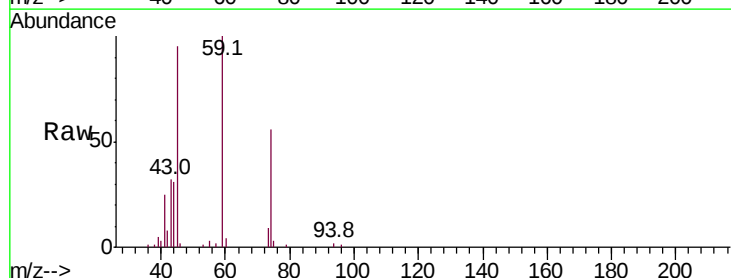
Tot Ion:101 Resp: 156150
Ion Ratio Lower Upper
101 100
103 66.3 53.7 80.5

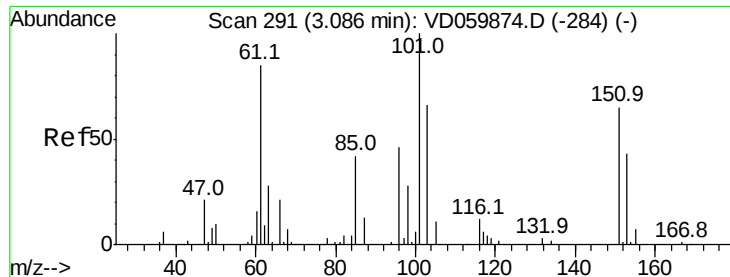


#8

Diethyl Ether
Concen: 19.349 ug/l
RT: 2.80 min Scan# 261
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion: 74 Resp: 36701
Ion Ratio Lower Upper
74 100
45 169.0 85.7 257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.716 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

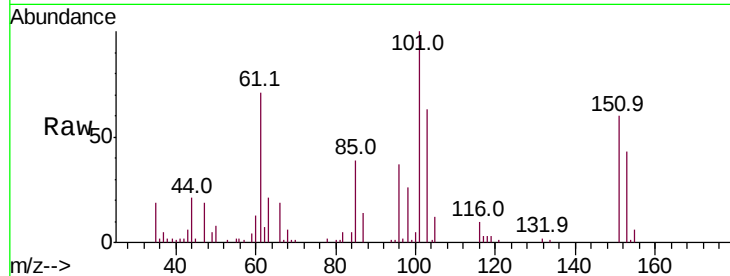
Tot Ion:101 Resp: 107267

Ion Ratio Lower Upper

101 100

85 38.8 33.6 50.4

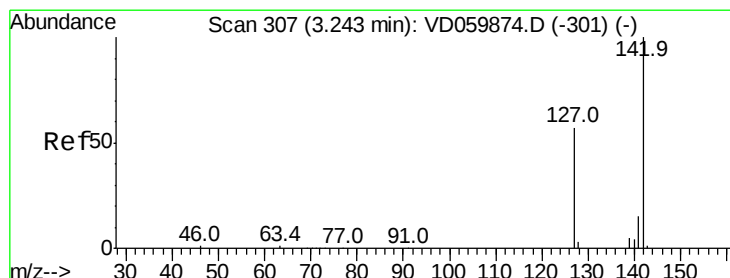
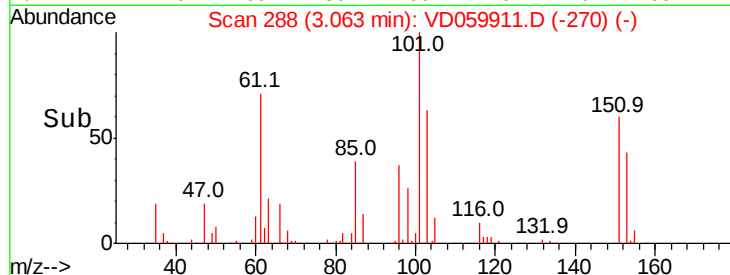
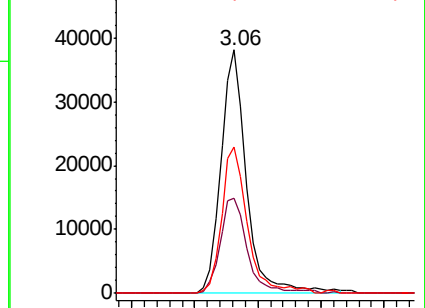
151 60.2 52.0 78.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.550 ug/l

RT: 3.22 min Scan# 304

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

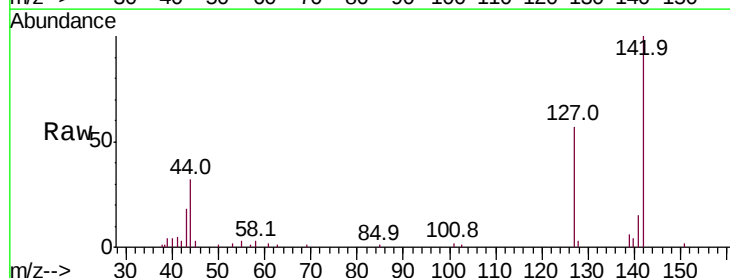
Tgt Ion:142 Resp: 83477

Ion Ratio Lower Upper

142 100

127 56.8 45.8 68.6

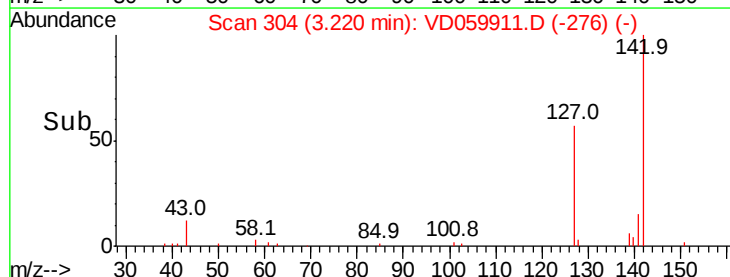
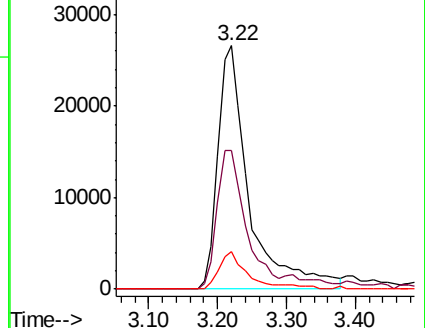
141 15.3 11.6 17.4

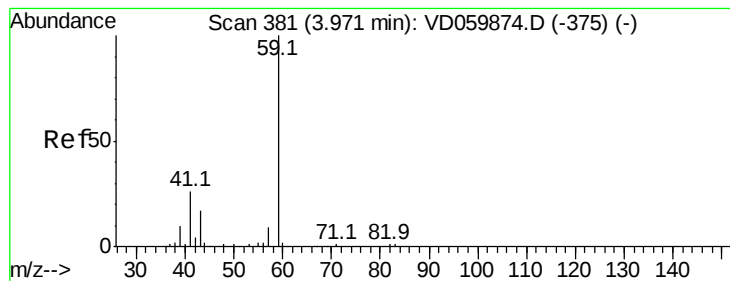


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



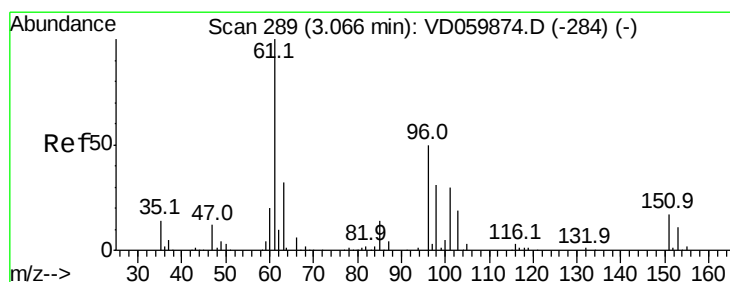
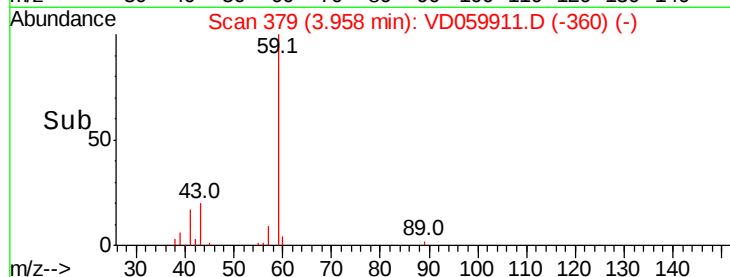
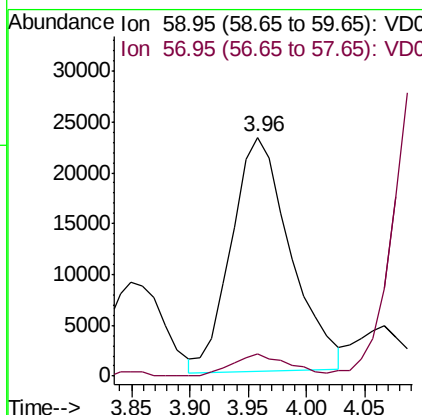
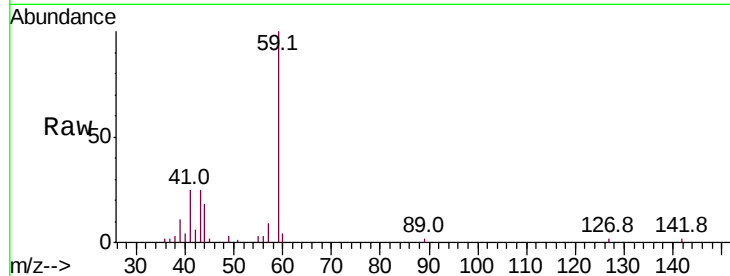


#11

Tert butyl alcohol
 Concen: 109.594 ug/l
 RT: 3.96 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampled :

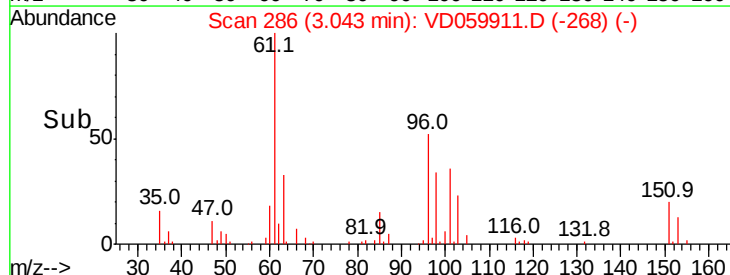
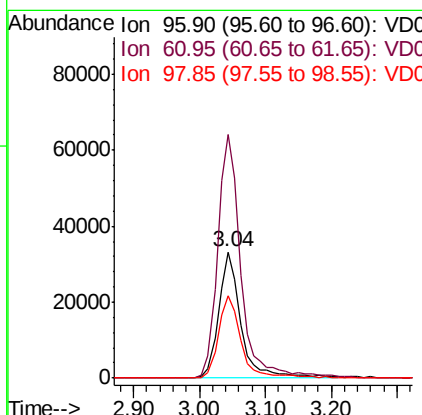
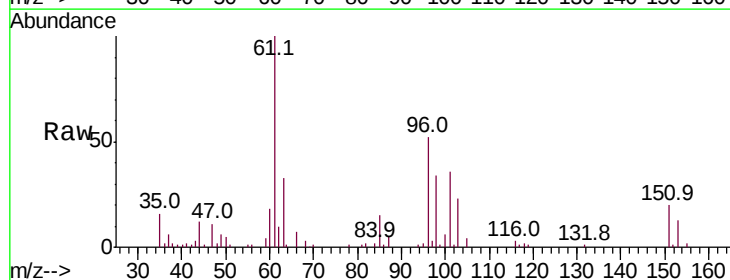
Tot Ion: 59 Resp: 81125
 Ion Ratio Lower Upper
 59 100
 57 9.1 7.4 11.0

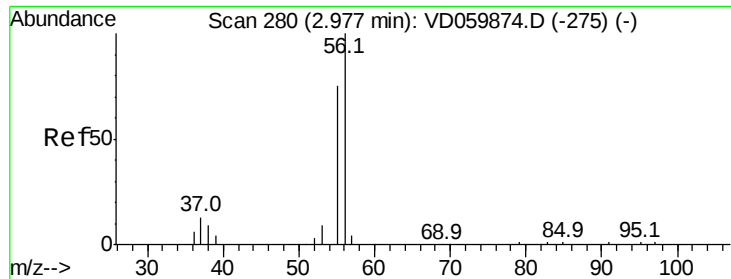


#12

1,1-Dichloroethene
 Concen: 19.545 ug/l
 RT: 3.04 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion: 96 Resp: 78785
 Ion Ratio Lower Upper
 96 100
 61 192.9 158.8 238.2
 98 65.3 48.7 73.1





#13

Acrolein

Concen: 76.510 ug/l

RT: 2.96 min Scan# 278

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

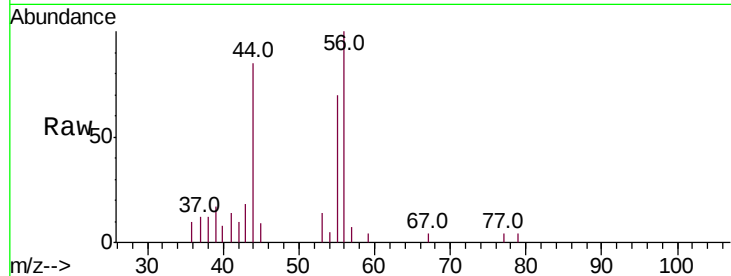
ClientSampled :

Tot Ion: 56 Resp: 24564

Ion Ratio Lower Upper

56 100

55 70.2 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.96

10000

8000

6000

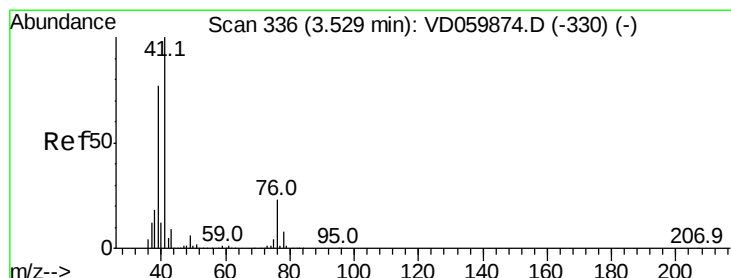
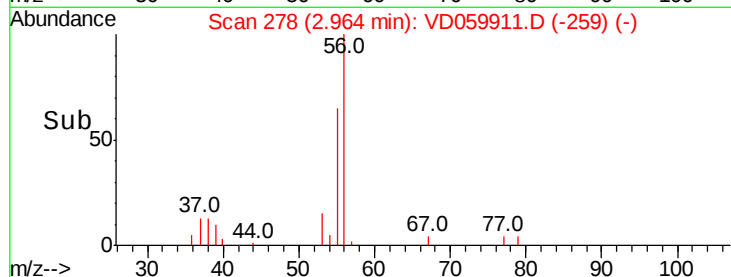
4000

2000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 20.399 ug/l

RT: 3.51 min Scan# 333

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

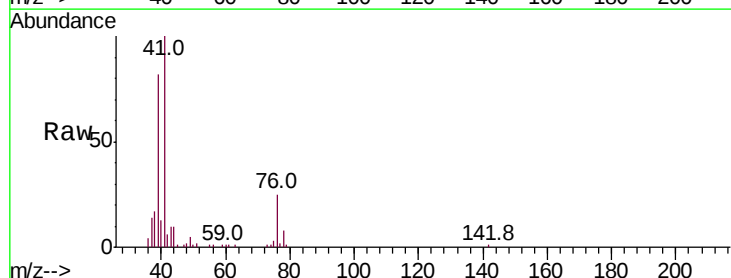
Tgt Ion: 41 Resp: 186023

Ion Ratio Lower Upper

41 100

39 81.9 61.8 92.6

76 24.8 19.4 29.2



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

3.51

100000

80000

60000

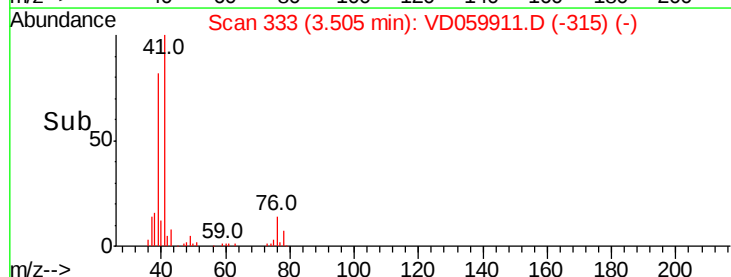
40000

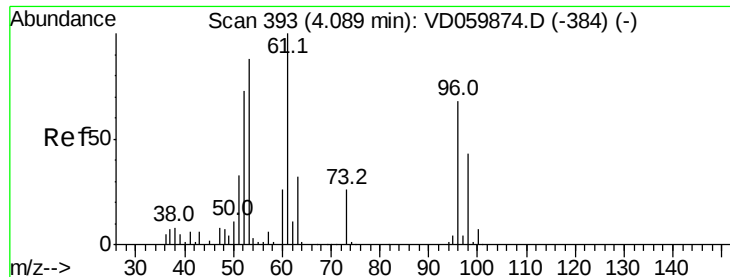
20000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 104.149 ug/l

RT: 4.06 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampled :

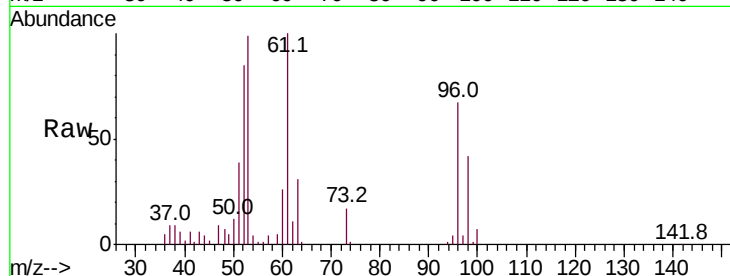
Tot Ion: 53 Resp: 288699

Ion Ratio Lower Upper

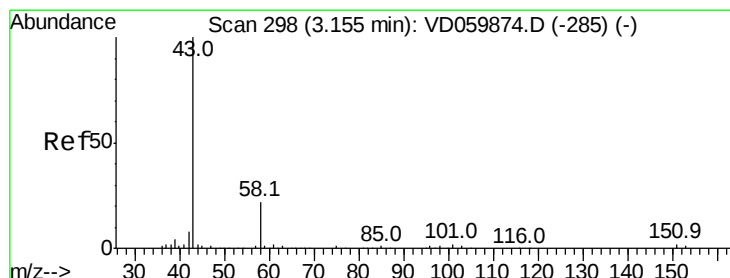
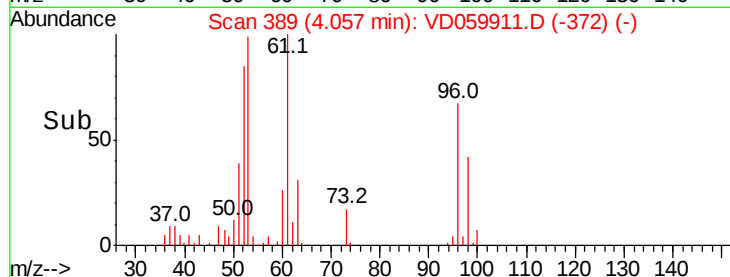
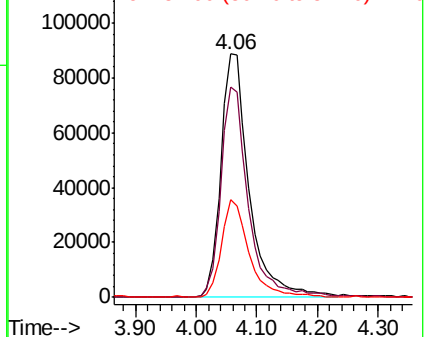
53 100

52 86.5 66.9 100.3

51 39.9 30.3 45.5



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



#16

Acetone

Concen: 103.820 ug/l

RT: 3.14 min Scan# 296

Delta R.T. -0.01 min

Lab File: VD059911.D

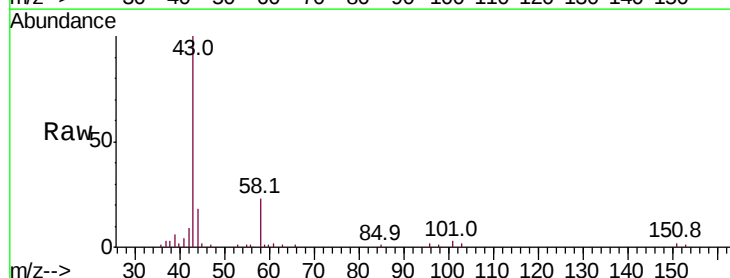
Acq: 27 Aug 2018 13:02

Tgt Ion: 43 Resp: 183498

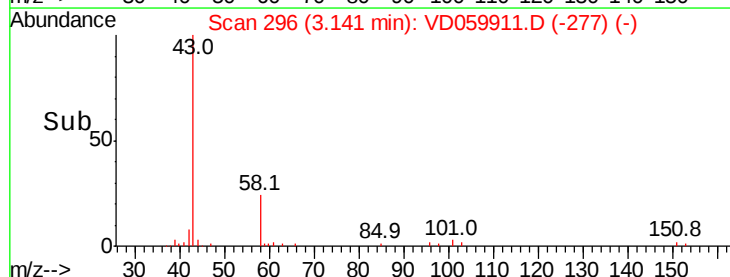
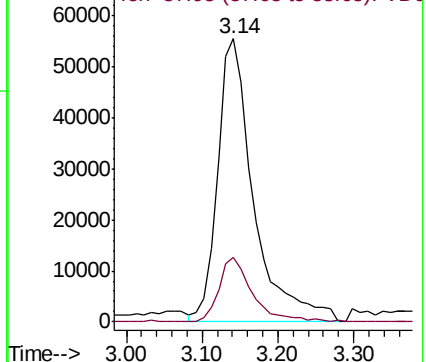
Ion Ratio Lower Upper

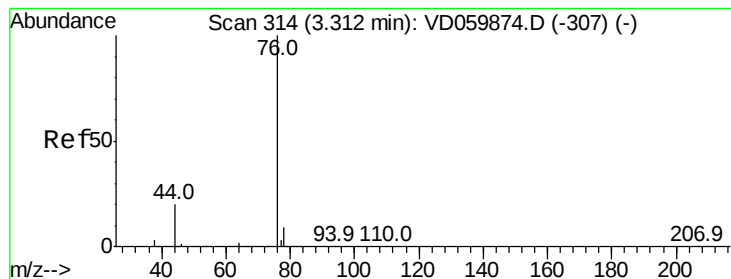
43 100

58 23.0 17.6 26.4



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





#17

Carbon Disulfide

Concen: 15.311 ug/l

RT: 3.29 min Scan# 311

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

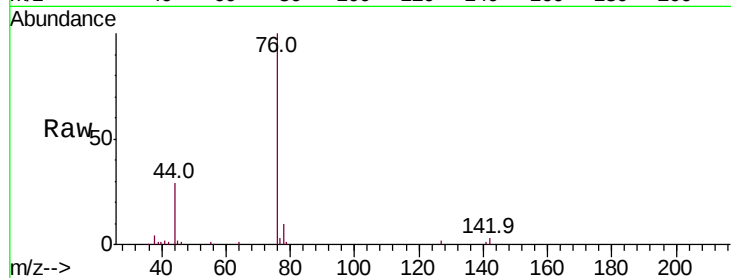
ClientSampleId :

Tot Ion: 76 Resp: 191577

Ion Ratio Lower Upper

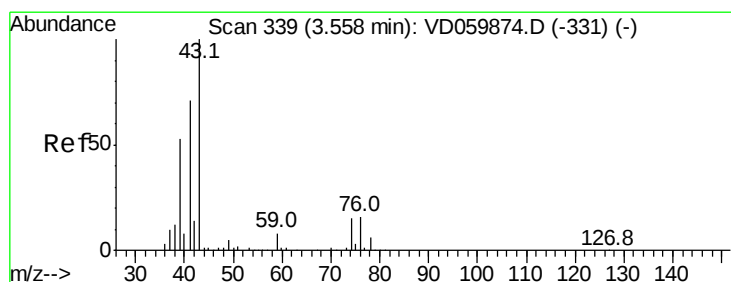
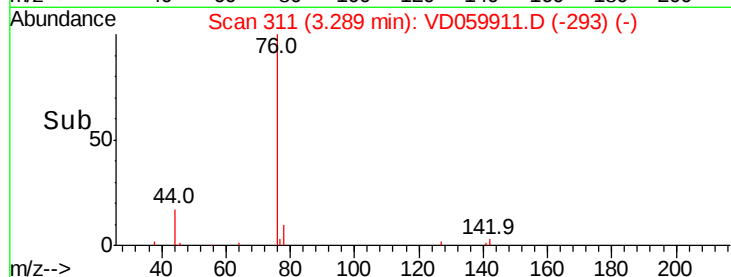
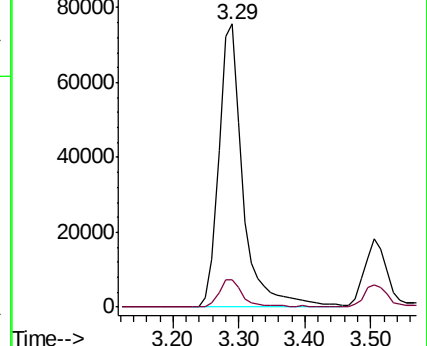
76 100

78 9.7 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.391 ug/l

RT: 3.53 min Scan# 335

Delta R.T. -0.03 min

Lab File: VD059911.D

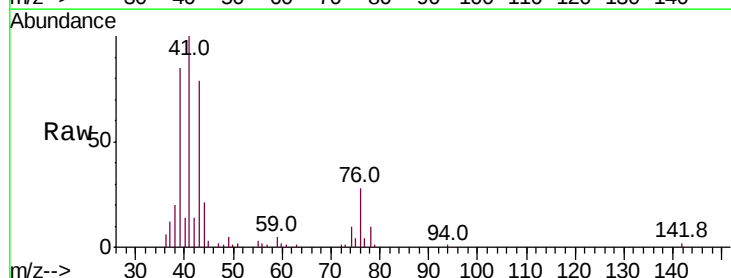
Acq: 27 Aug 2018 13:02

Tgt Ion: 43 Resp: 71545

Ion Ratio Lower Upper

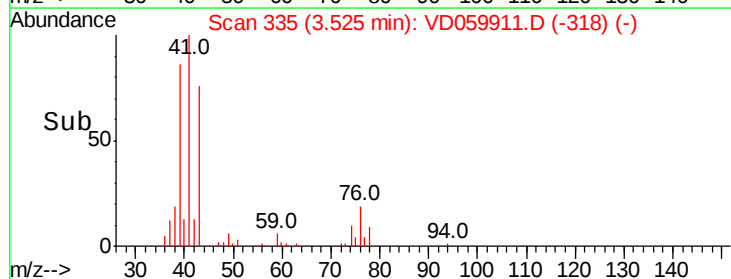
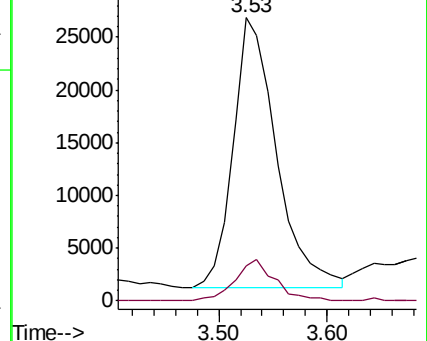
43 100

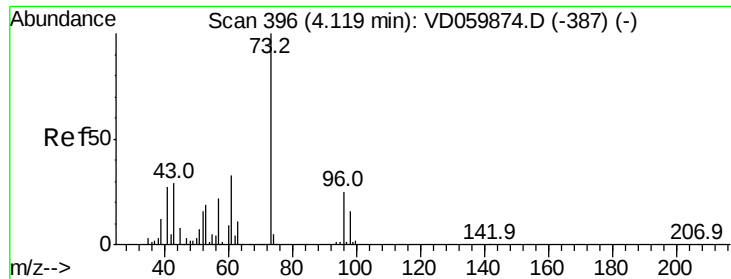
74 12.5 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



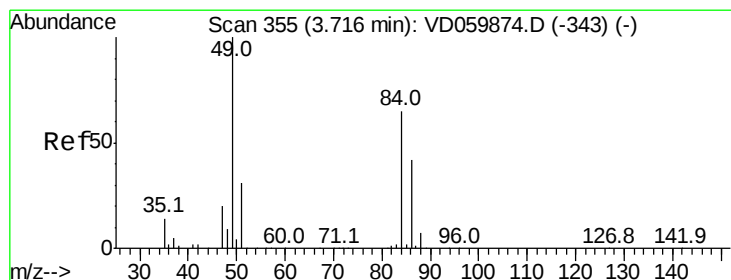
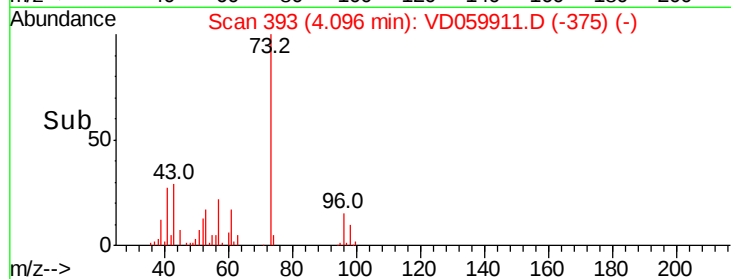
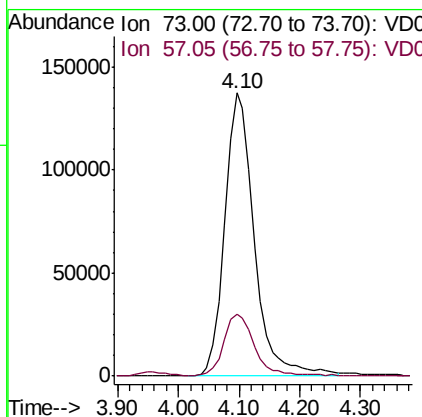
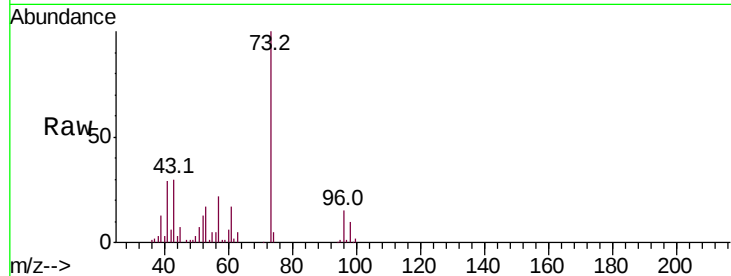


#19

Methyl tert-butyl Ether
 Concen: 20.351 ug/l
 RT: 4.10 min Scan# 393
 Delta R.T. -0.02 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :

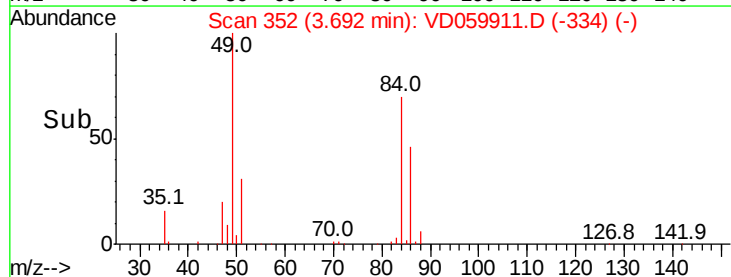
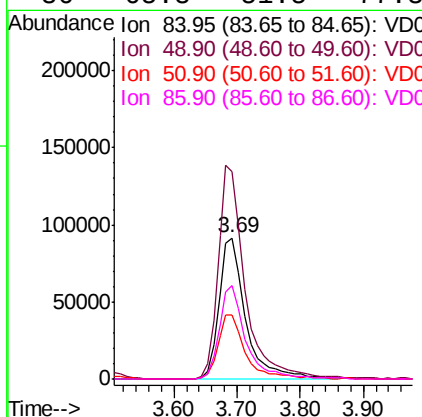
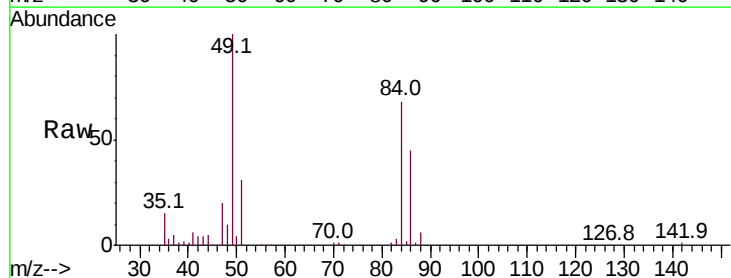
Tot Ion: 73 Resp: 464069
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.9 26.9

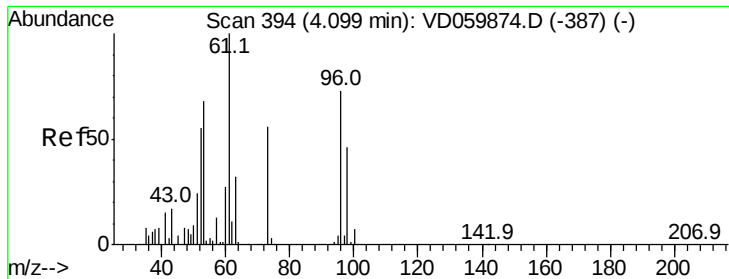


#20

Methylene Chloride
 Concen: 20.807 ug/l
 RT: 3.69 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion: 84 Resp: 271089
 Ion Ratio Lower Upper
 84 100
 49 146.9 122.6 183.8
 51 45.7 38.4 57.6
 86 65.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 18.950 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

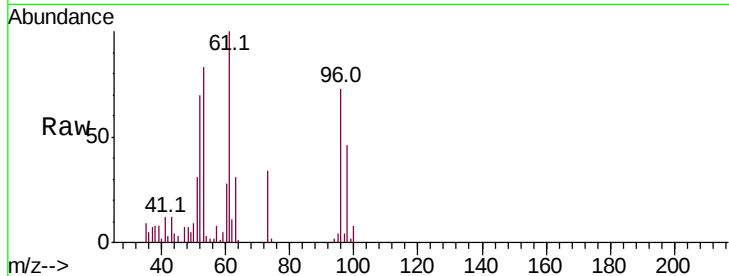
Tot Ion: 96 Resp: 210458

Ion Ratio Lower Upper

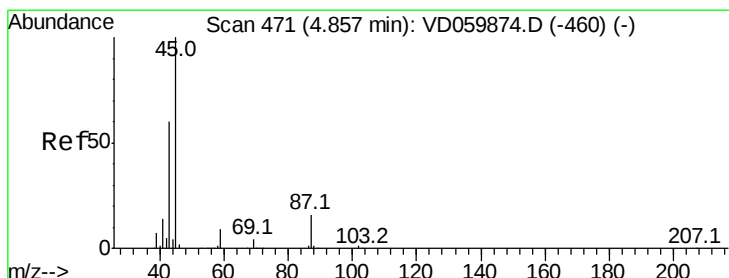
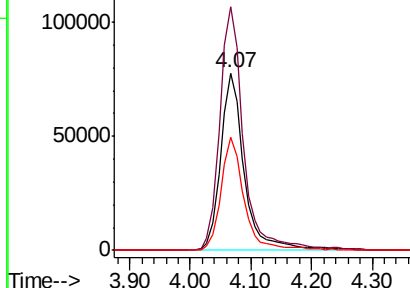
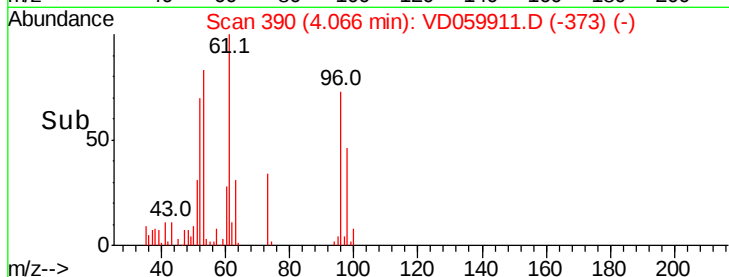
96 100

61 137.3 110.2 165.4

98 63.4 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: 20.255 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Tgt Ion: 45 Resp: 942040

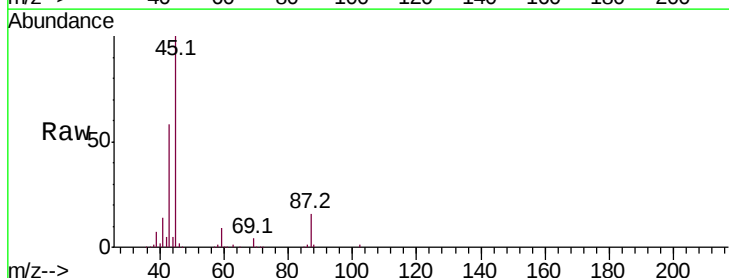
Ion Ratio Lower Upper

45 100

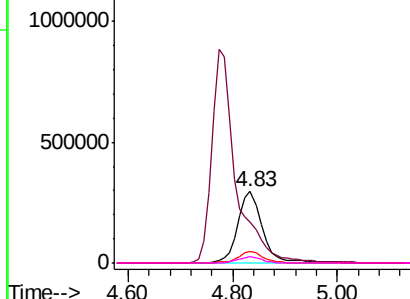
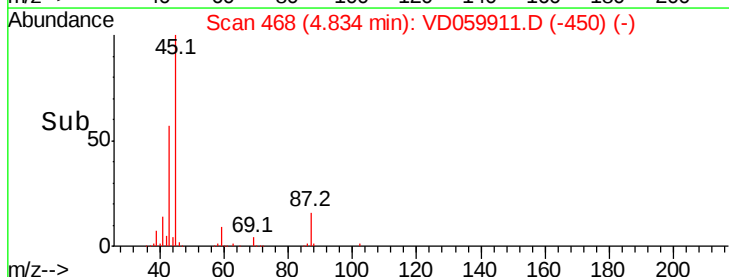
43 57.6 48.6 72.8

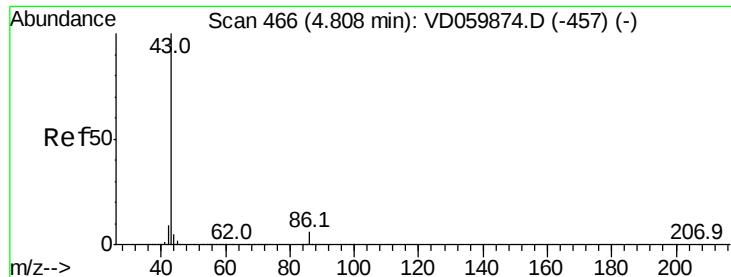
87 15.9 13.3 19.9

59 8.9 7.1 10.7



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

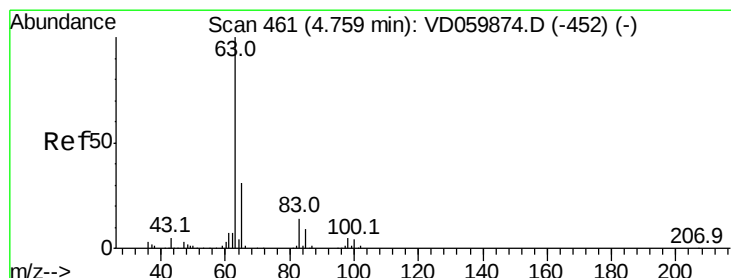
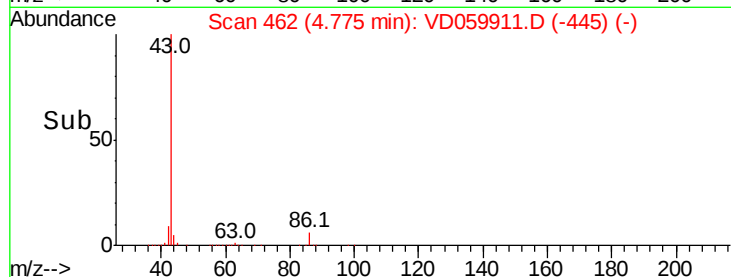
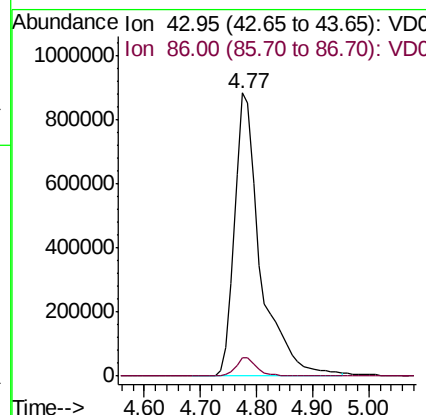
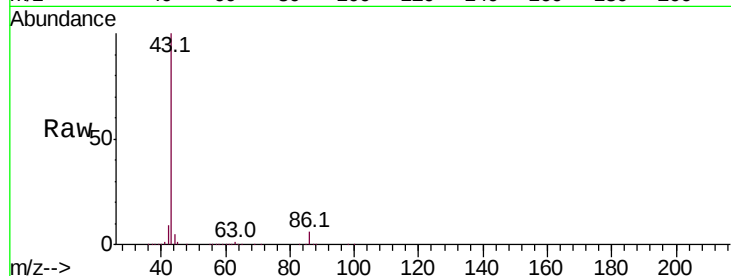




#23
 Vinyl Acetate
 Concen: 108.815 ug/l
 RT: 4.77 min Scan# 462
 Delta R.T. -0.03 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

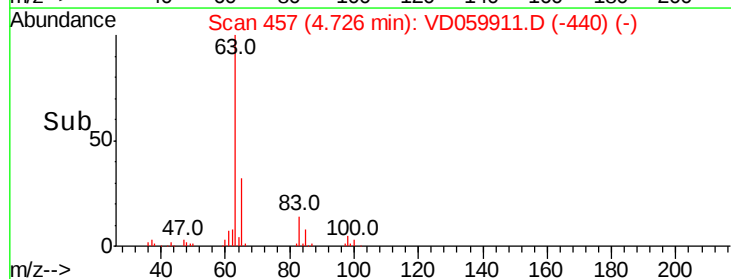
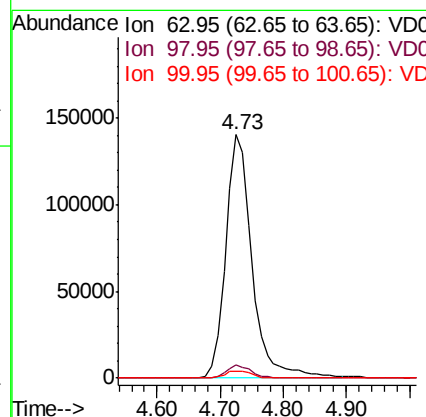
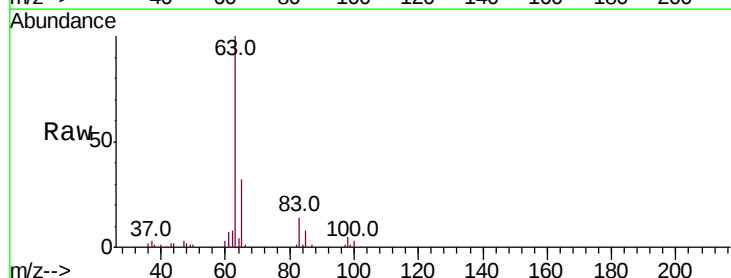
Instrument :
 MSVOA_D
 ClientSampleId :

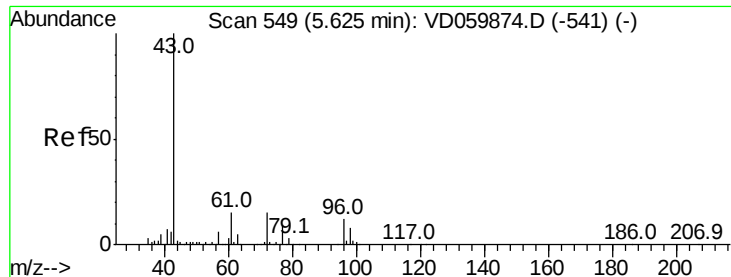
Tot Ion: 43 Resp: 2829066
 Ion Ratio Lower Upper
 43 100
 86 6.3 5.0 7.6



#24
 1,1-Dichloroethane
 Concen: 20.200 ug/l
 RT: 4.73 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion: 63 Resp: 405859
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.7 8.1
 100 2.7 1.8 5.3





#25

2-Butanone

Concen: 90.817 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

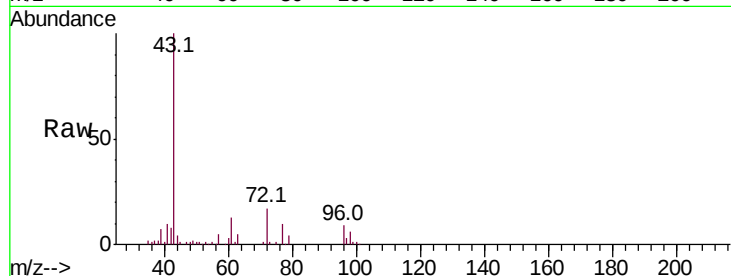
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 475399

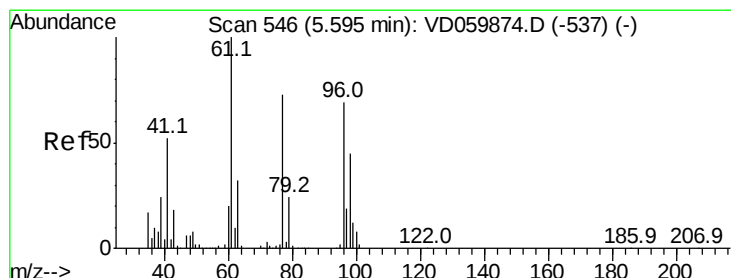
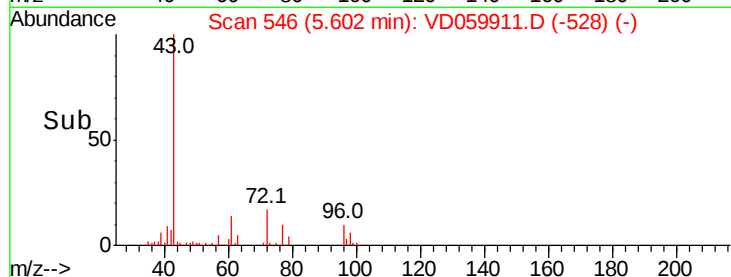
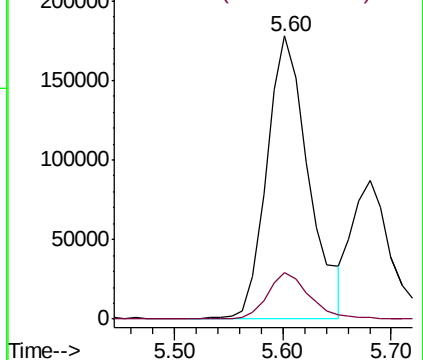
Ion Ratio Lower Upper

43 100

72 16.6 12.3 18.5



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



#26

2,2-Dichloropropane

Concen: 18.937 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.03 min

Lab File: VD059911.D

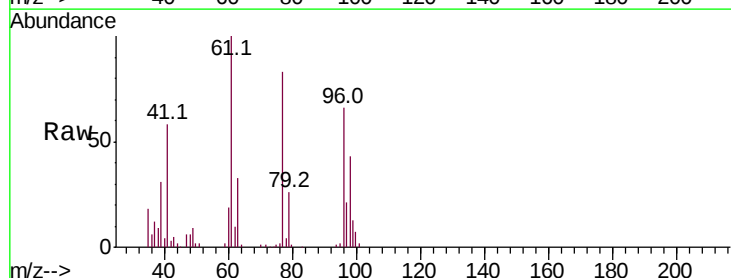
Acq: 27 Aug 2018 13:02

Tgt Ion: 77 Resp: 318079

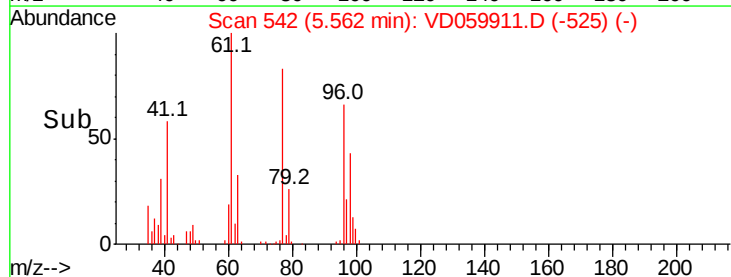
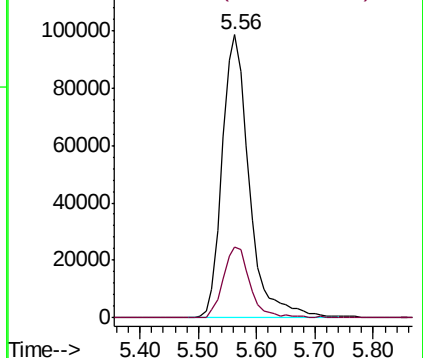
Ion Ratio Lower Upper

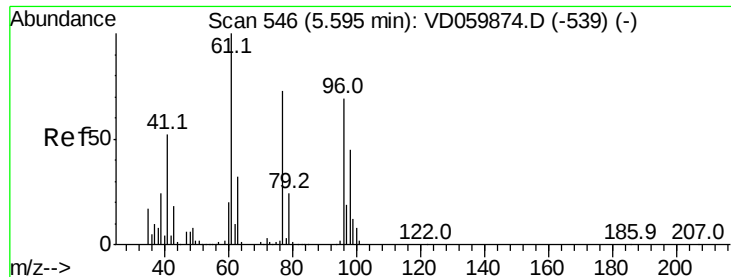
77 100

97 25.1 13.0 38.9



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



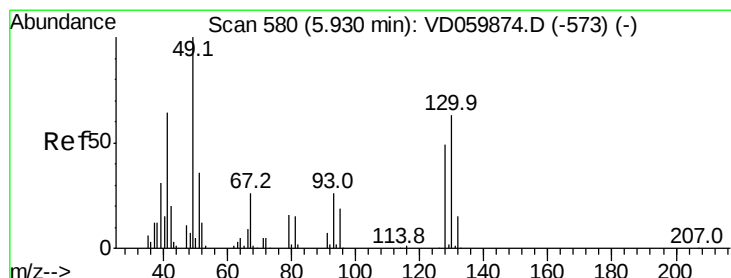
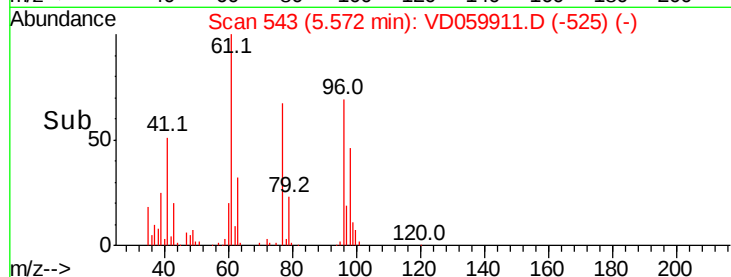
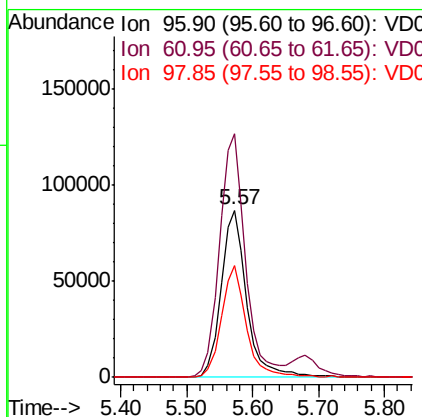
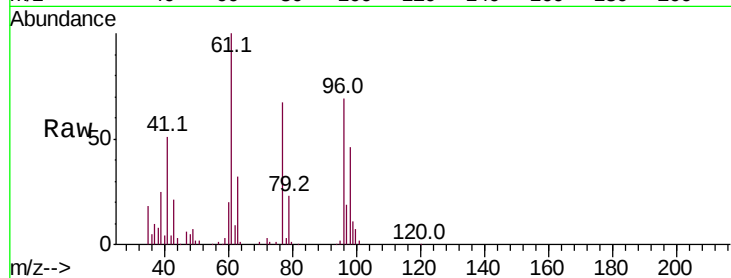


#27

cis-1,2-Dichloroethene
Concen: 19.363 ug/l
RT: 5.57 min Scan# 543
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampled :

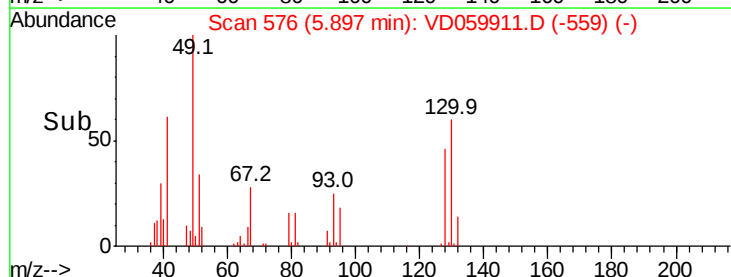
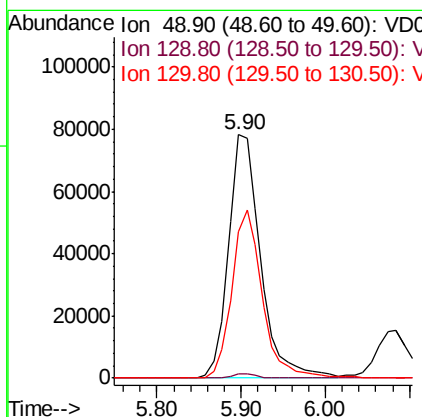
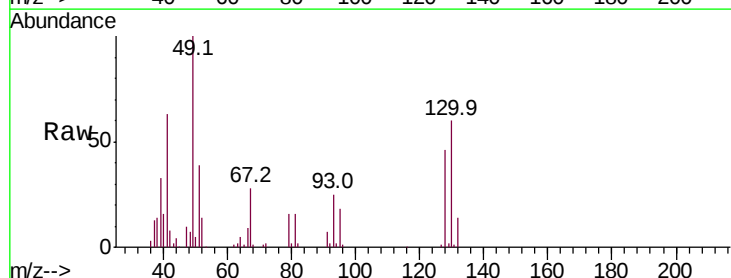
Tot Ion	96	Resp	235457
Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	290.2
98	67.0	0.0	130.4

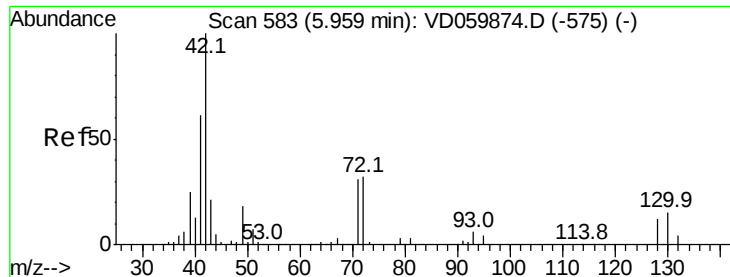


#28

Bromochloromethane
Concen: 21.554 ug/l
RT: 5.90 min Scan# 576
Delta R.T. -0.03 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion	49	Resp	207558
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	59.9	50.6	75.8





#29

Tetrahydrofuran

Concen: 107.370 ug/l

RT: 5.94 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

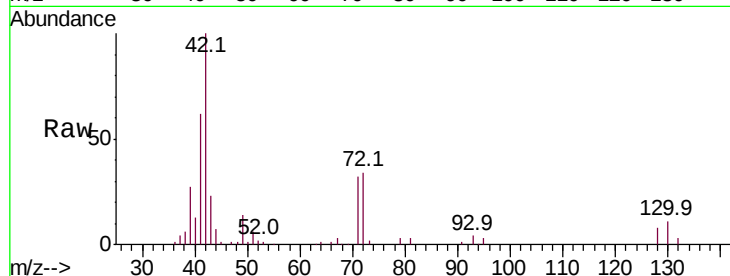
Tot Ion: 42 Resp: 267576

Ion Ratio Lower Upper

42 100

72 31.1 25.7 38.5

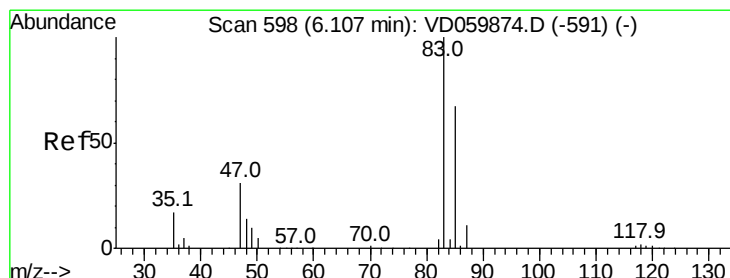
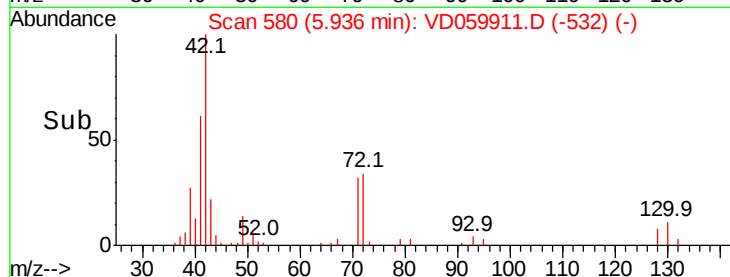
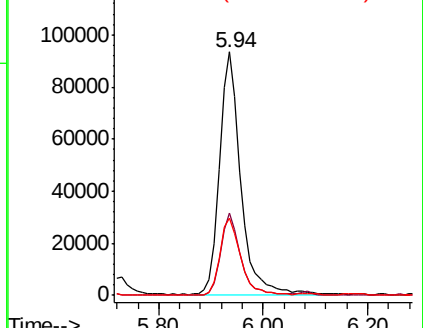
71 30.6 25.3 37.9



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: 20.548 ug/l

RT: 6.08 min Scan# 595

Delta R.T. -0.02 min

Lab File: VD059911.D

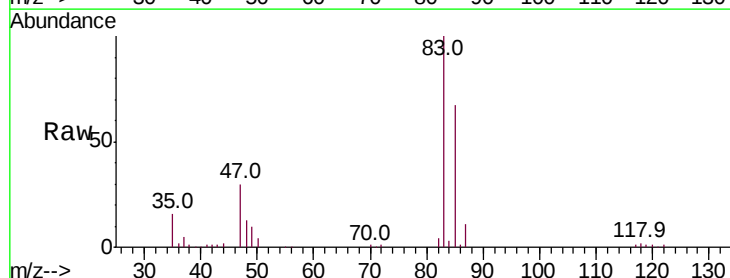
Acq: 27 Aug 2018 13:02

Tgt Ion: 83 Resp: 419578

Ion Ratio Lower Upper

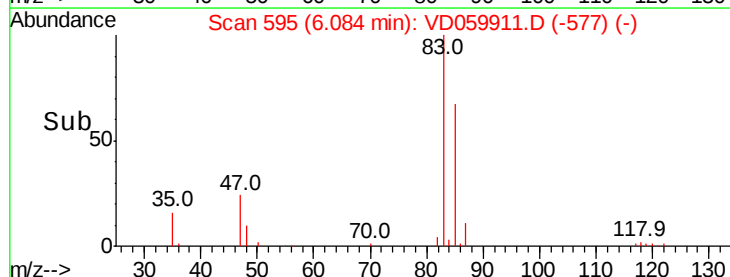
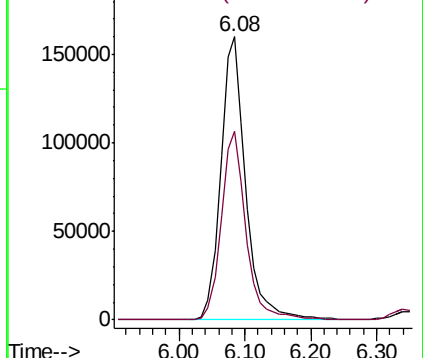
83 100

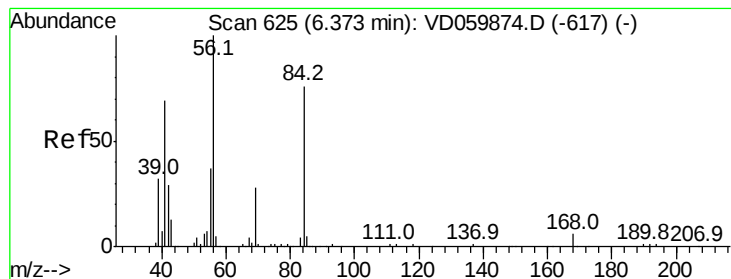
85 66.7 53.5 80.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 17.473 ug/l

RT: 6.34 min Scan# 621

Delta R.T. -0.03 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampled :

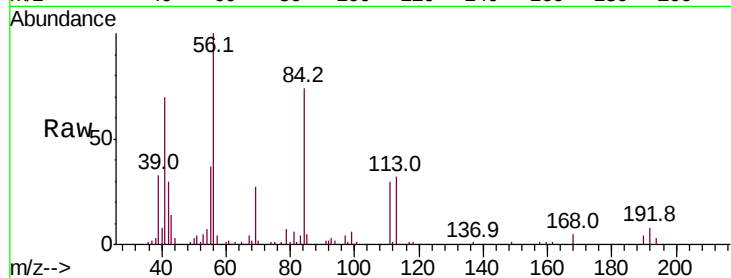
Tot Ion: 56 Resp: 322751

Ion Ratio Lower Upper

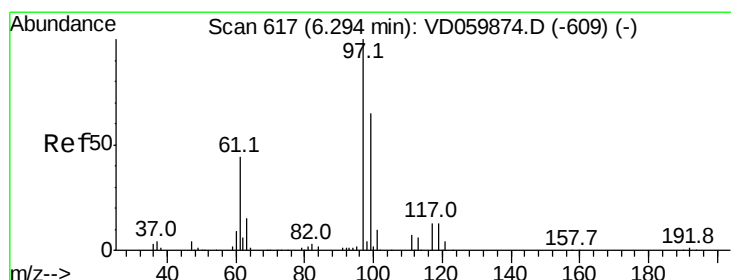
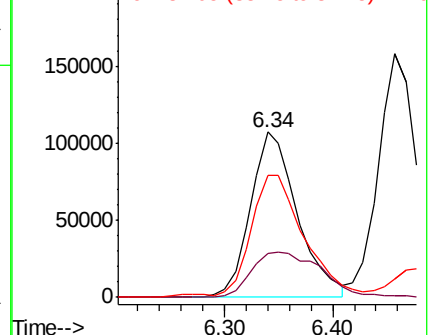
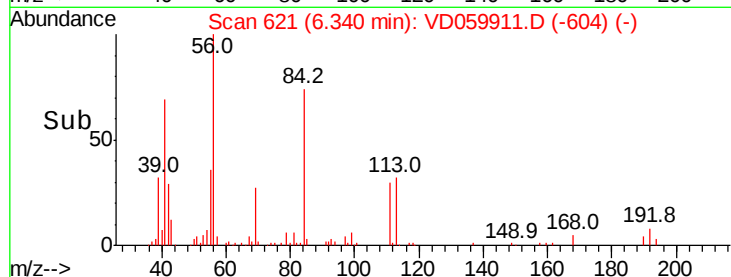
56 100

69 27.0 22.4 33.6

84 73.7 62.1 93.1



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



#32

1,1,1-Trichloroethane

Concen: 20.001 ug/l

RT: 6.27 min Scan# 614

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

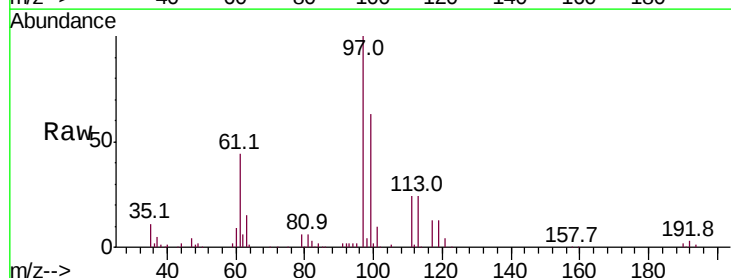
Tgt Ion: 97 Resp: 346621

Ion Ratio Lower Upper

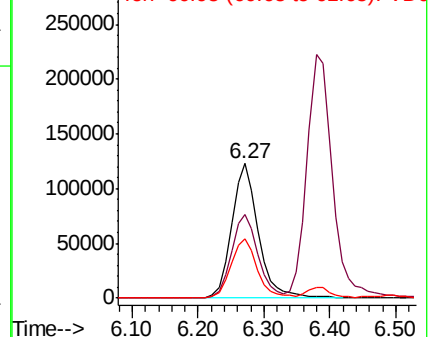
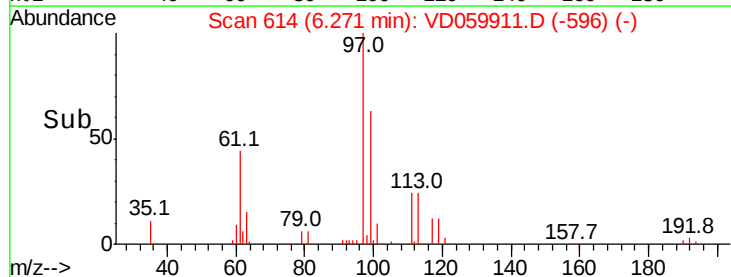
97 100

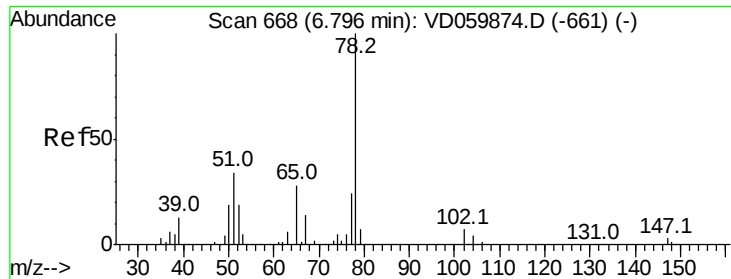
99 62.5 51.7 77.5

61 44.5 35.4 53.2



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





#33

1,2-Dichloroethane-d4

Concen: 20.001 ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.03 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

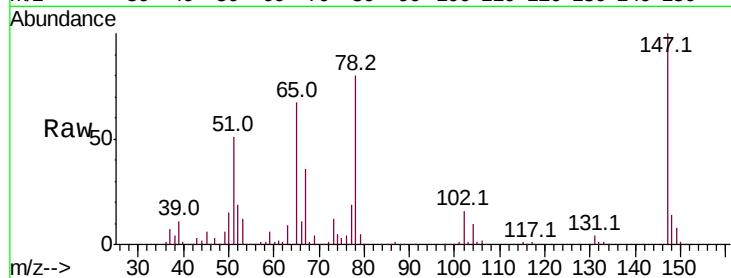
ClientSampleId :

Tot Ion: 65 Resp: 498970

Ion Ratio Lower Upper

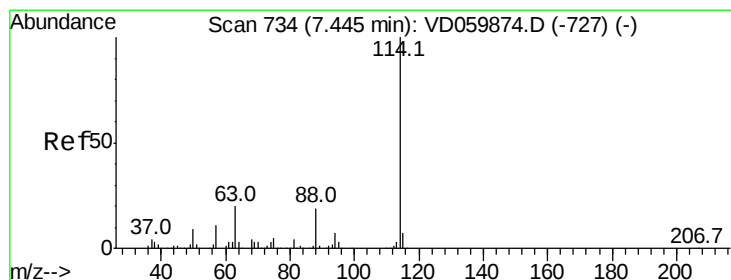
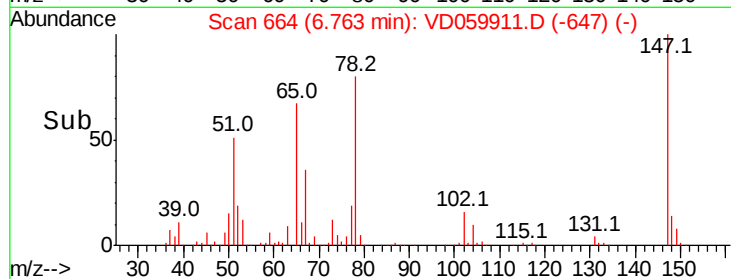
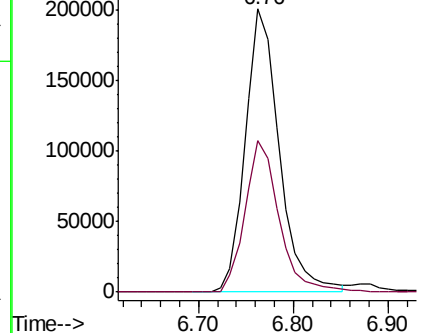
65 100

67 53.4 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 731

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

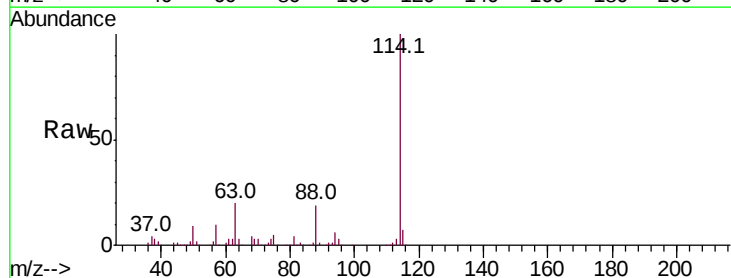
Tgt Ion:114 Resp: 1645774

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.4

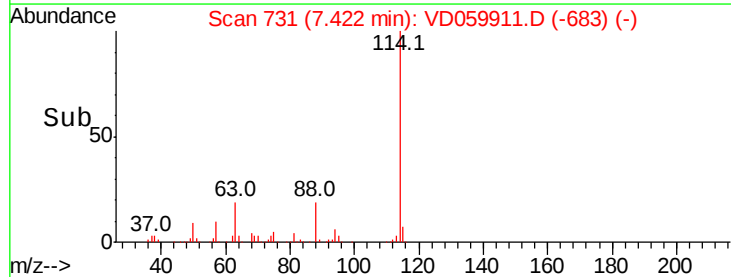
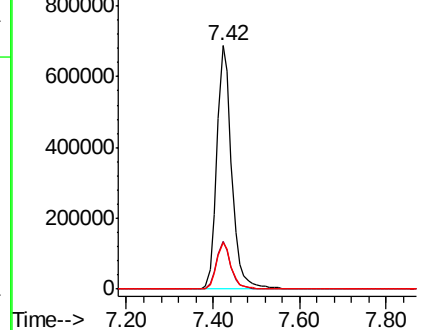
88 19.1 0.0 37.6

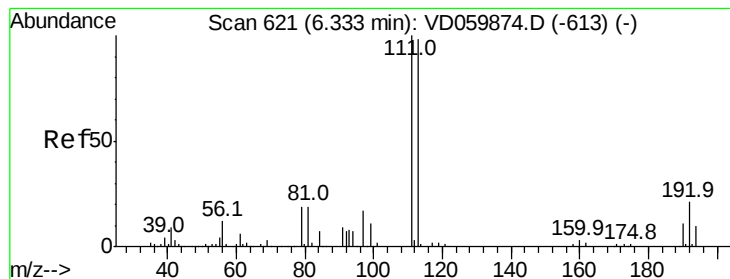


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.30 min Scan# 617

Delta R.T. -0.03 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

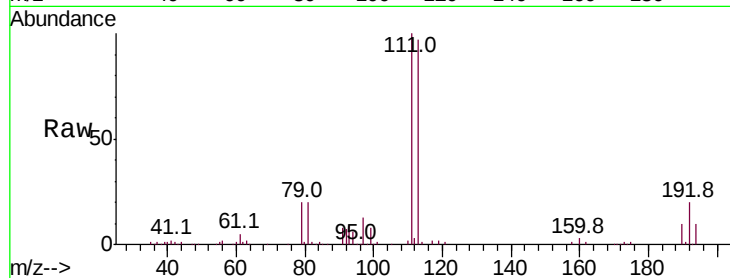
Tot Ion:113 Resp: 643837

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.2

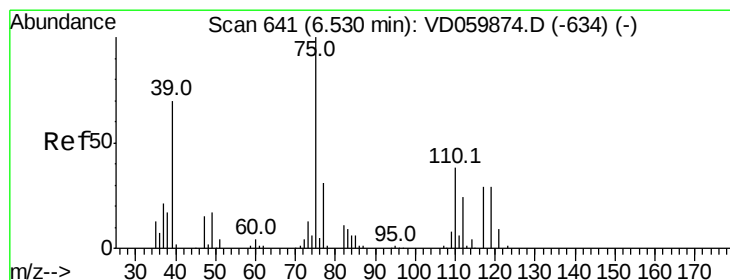
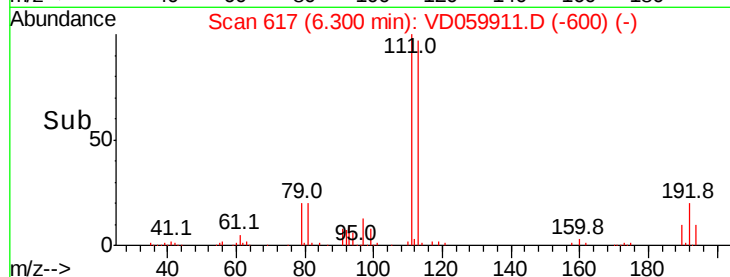
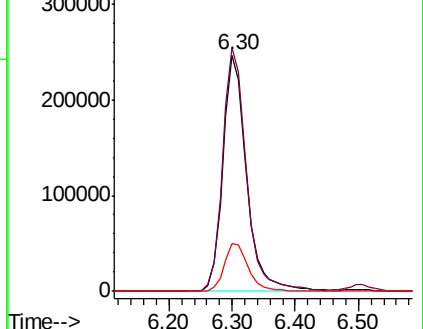
192 20.2 17.0 25.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.156 ug/l

RT: 6.50 min Scan# 637

Delta R.T. -0.03 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

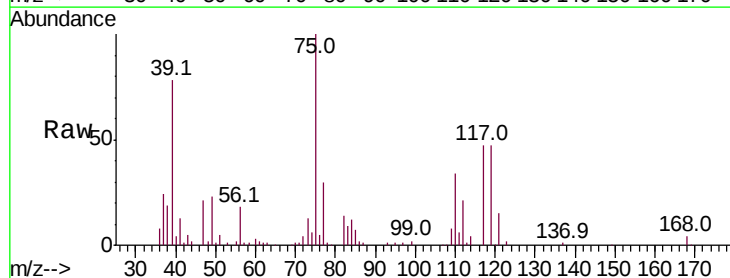
Tgt Ion: 75 Resp: 285794

Ion Ratio Lower Upper

75 100

110 33.7 18.6 56.0

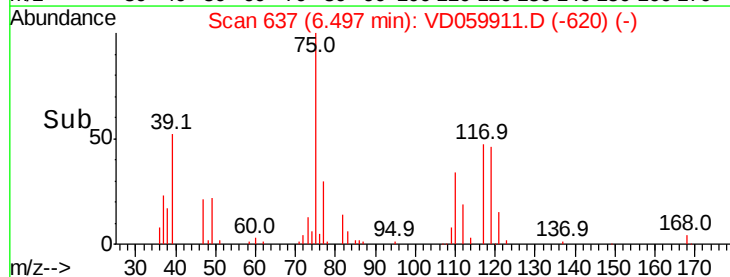
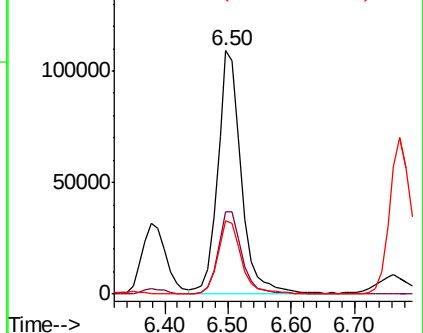
77 30.1 25.1 37.7

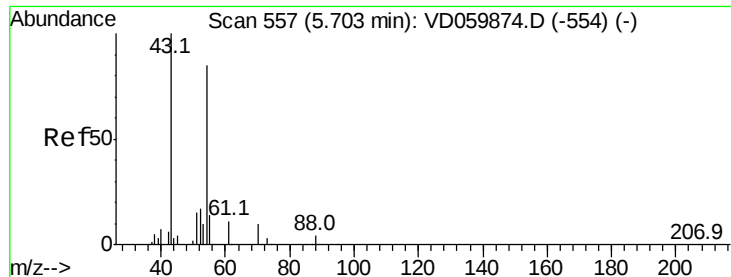


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

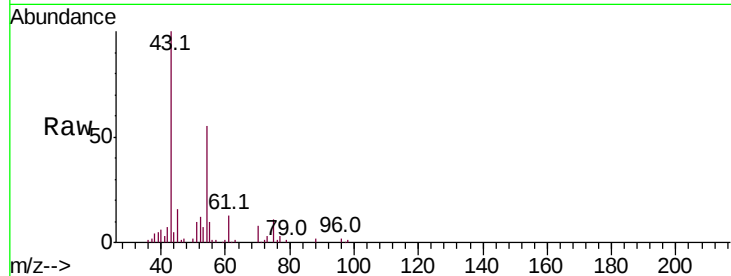




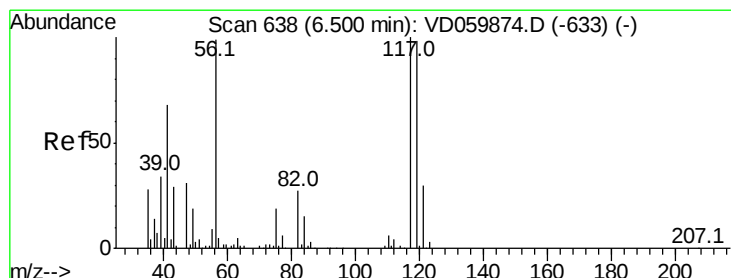
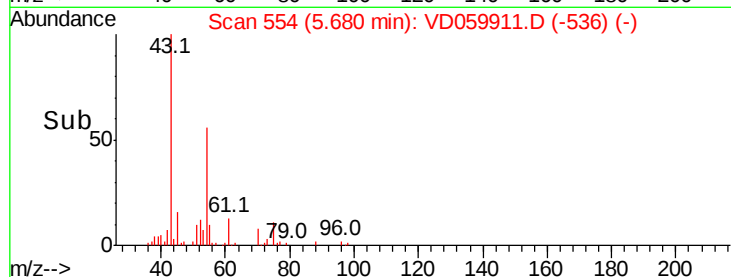
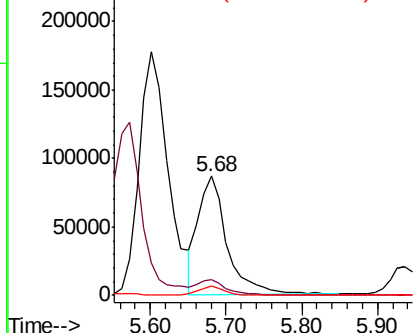
#37
Ethyl Acetate
Concen: 19.472 ug/l
RT: 5.68 min Scan# 554
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 226062
Ion Ratio Lower Upper
43 100
61 13.1 11.0 16.6
70 7.7 5.7 8.5

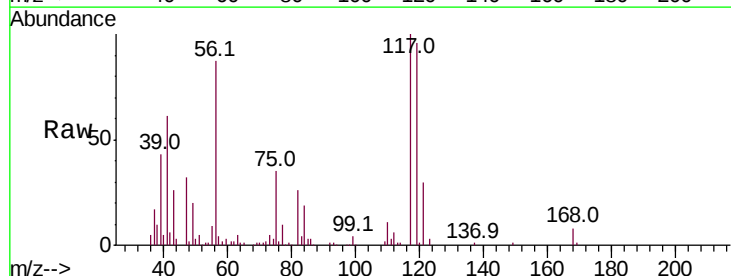


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

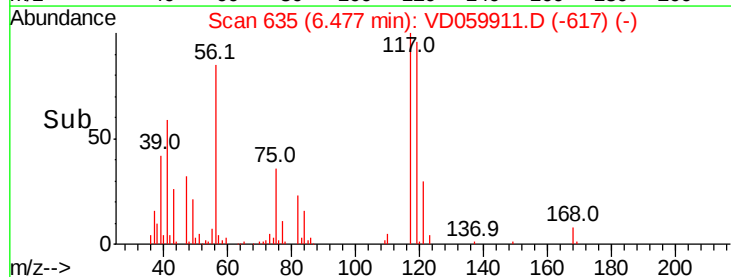
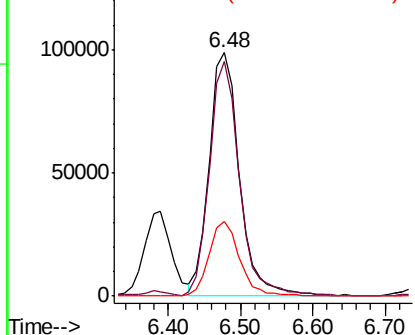


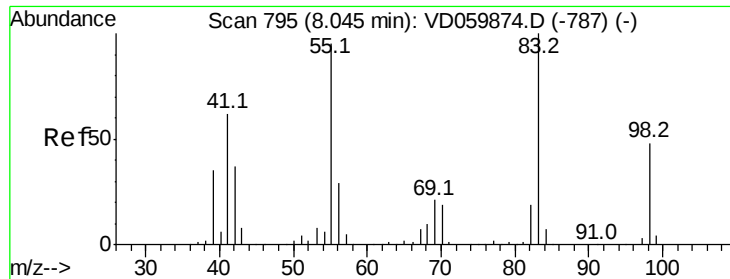
#38
Carbon Tetrachloride
Concen: 18.728 ug/l
RT: 6.48 min Scan# 635
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion: 117 Resp: 281960
Ion Ratio Lower Upper
117 100
119 96.3 77.2 115.8
121 30.5 24.0 36.0



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

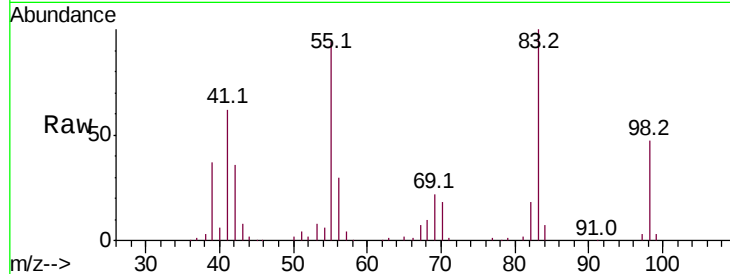




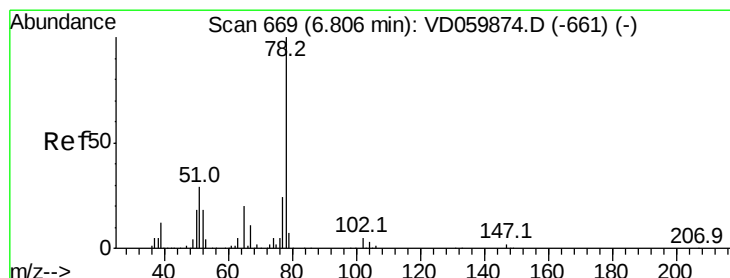
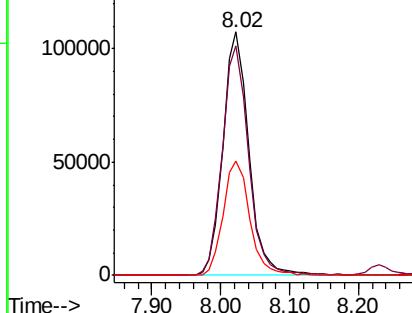
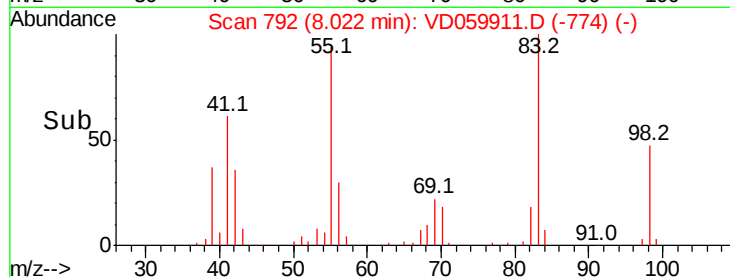
#39
Methvlcvclohexane
Concen: 17.359 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 279813
Ion Ratio Lower Upper
83 100
55 94.2 75.8 113.6
98 47.1 38.3 57.5

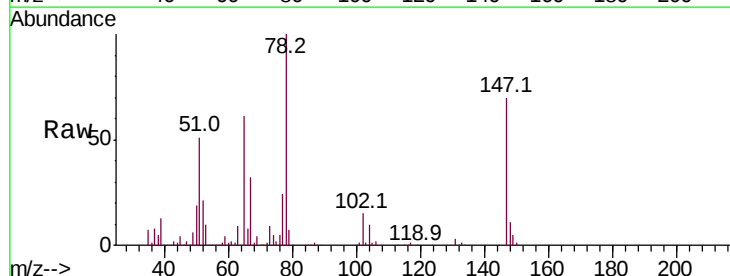


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

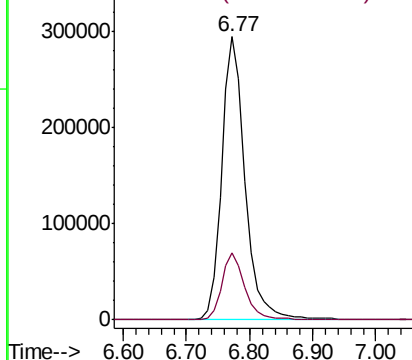
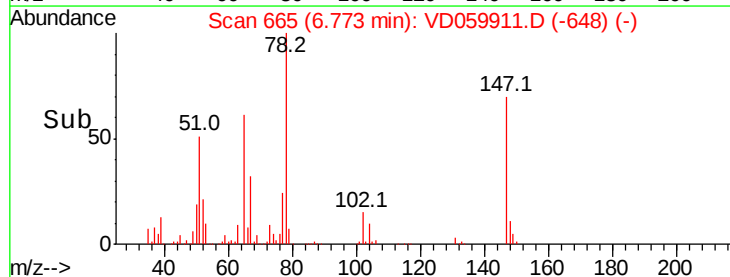


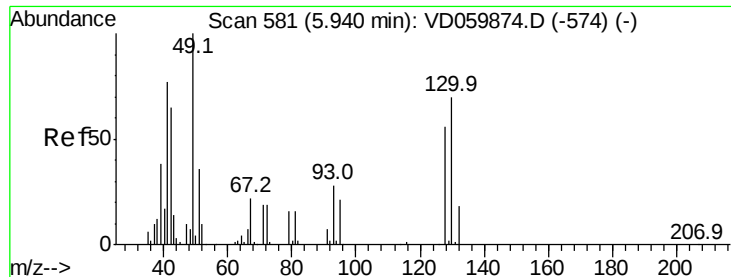
#40
Benzene
Concen: 19.527 ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.03 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion: 78 Resp: 757492
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 44.865 ug/l

RT: 5.94 min Scan# 580

Delta R.T. -0.00 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 262369

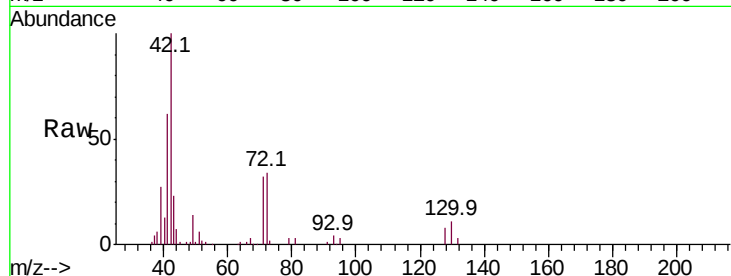
Ion Ratio Lower Upper

41 100

39 43.8 39.4 59.2

67 5.6 22.2 33.2#

52 2.6 10.1 15.1#

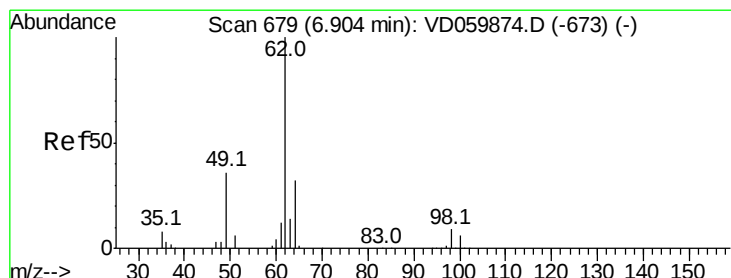
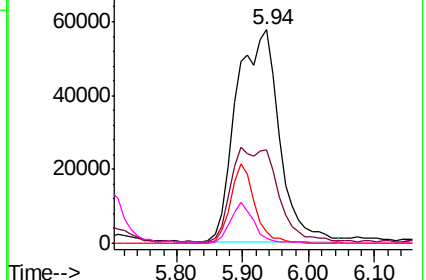
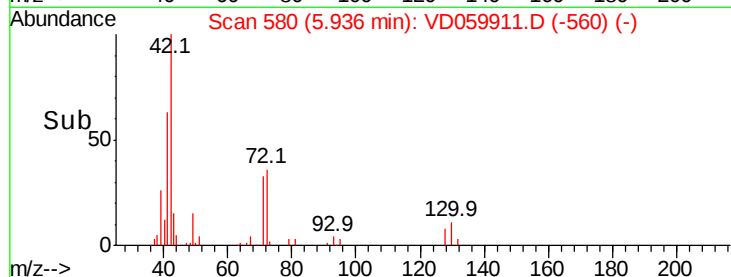


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.491 ug/l

RT: 6.87 min Scan# 675

Delta R.T. -0.03 min

Lab File: VD059911.D

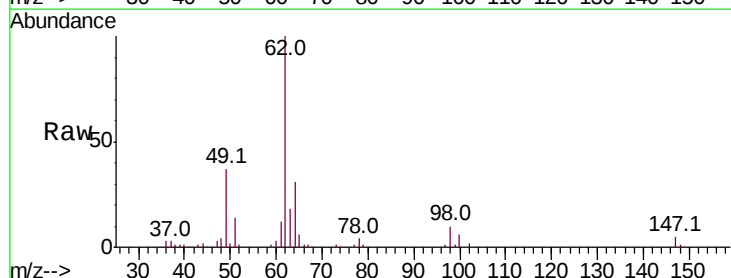
Acq: 27 Aug 2018 13:02

Tgt Ion: 62 Resp: 242723

Ion Ratio Lower Upper

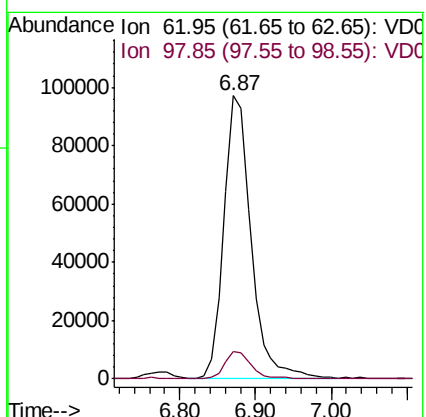
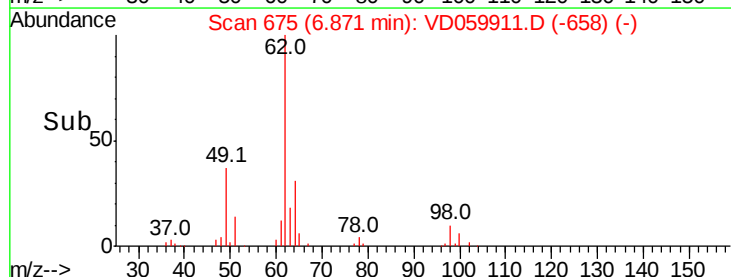
62 100

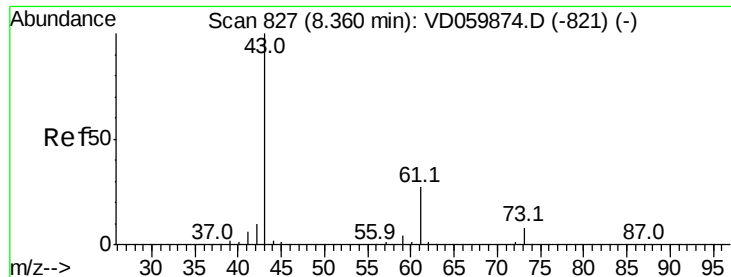
98 9.6 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



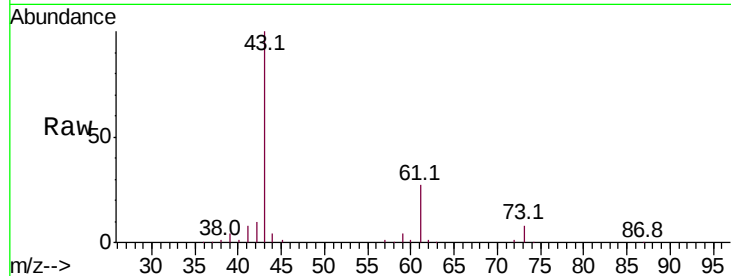


#43

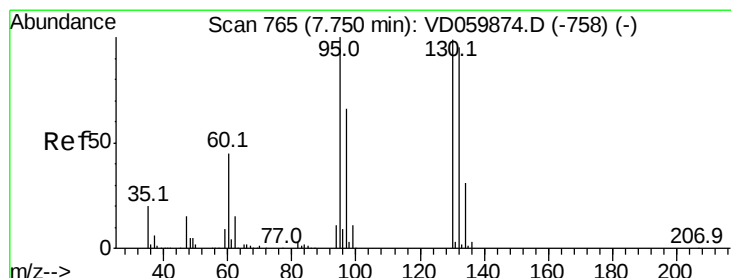
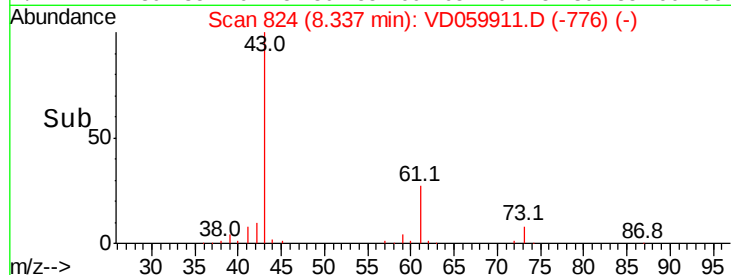
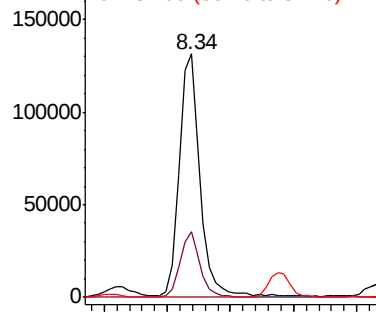
Isopropyl Acetate
 Concen: 19.901 ug/l
 RT: 8.34 min Scan# 824
 Delta R.T. -0.02 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 300576
 Ion Ratio Lower Upper
 43 100
 61 27.0 21.4 32.2
 87 0.2 0.2 0.4#



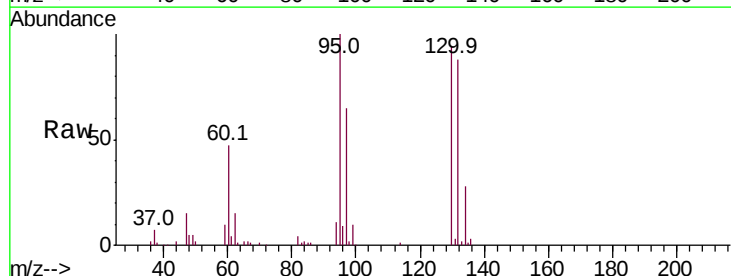
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



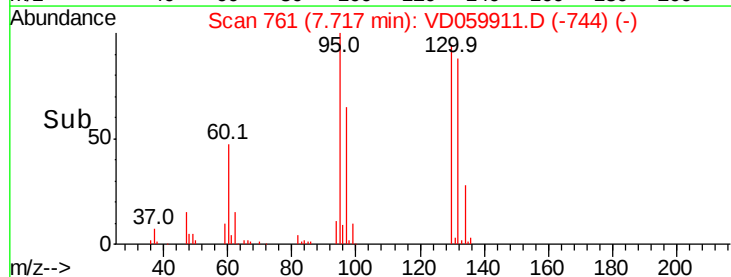
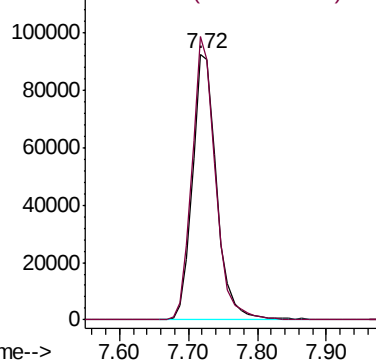
#44

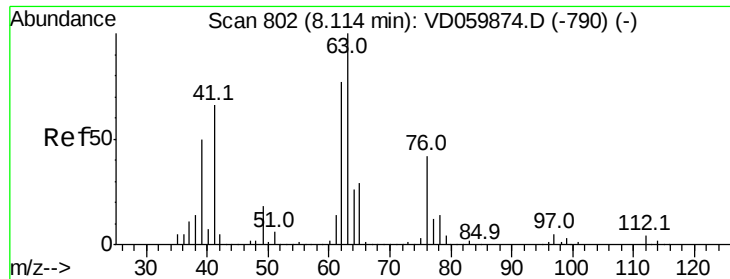
Trichloroethene
 Concen: 19.578 ug/l
 RT: 7.72 min Scan# 761
 Delta R.T. -0.03 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion:130 Resp: 223617
 Ion Ratio Lower Upper
 130 100
 95 106.4 0.0 202.0



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

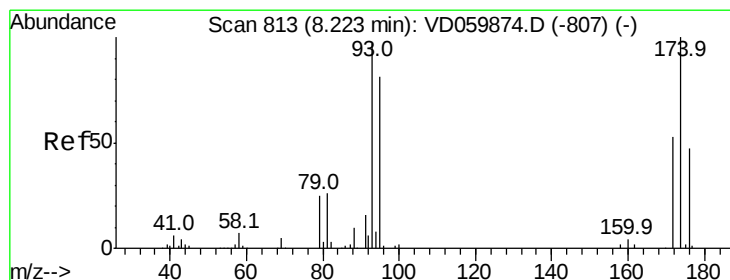
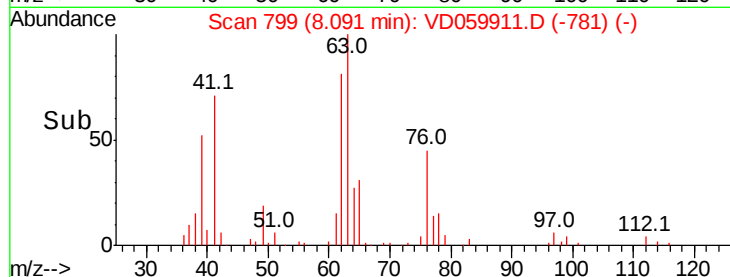
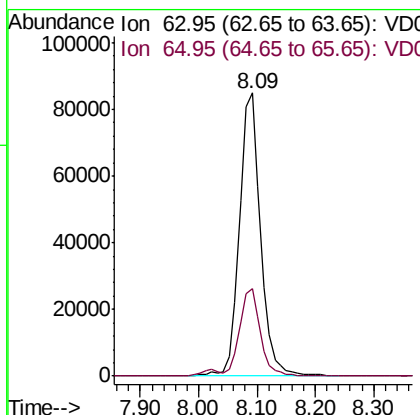
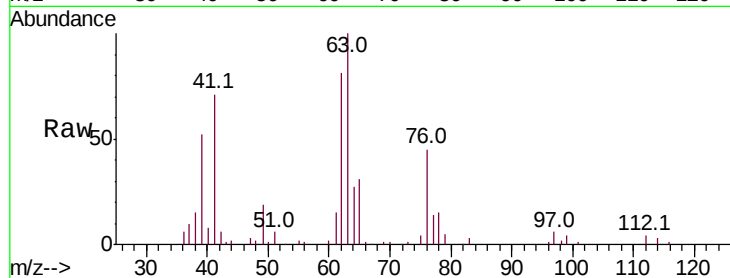




#45
 1,2-Dichloropropane
 Concen: 19.692 ug/l
 RT: 8.09 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

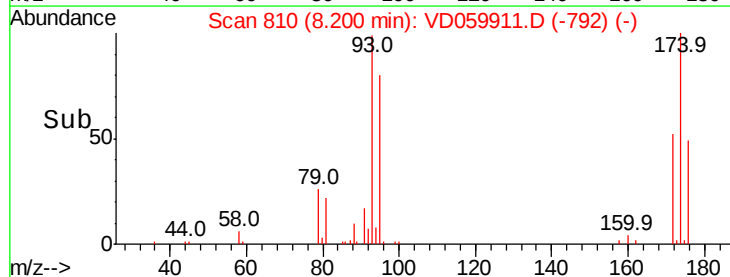
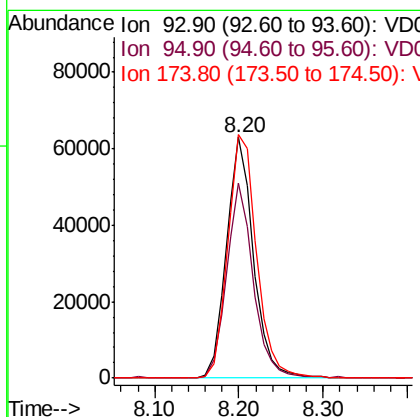
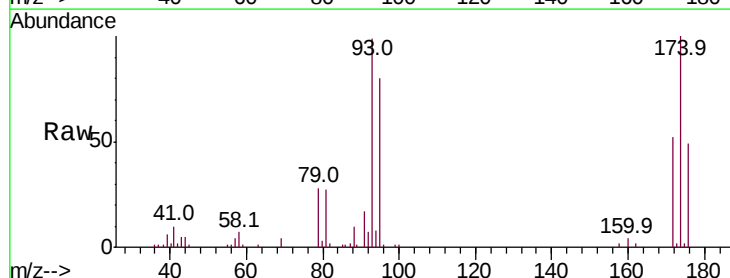
Instrument :
 MSVOA_D
 ClientSampled :

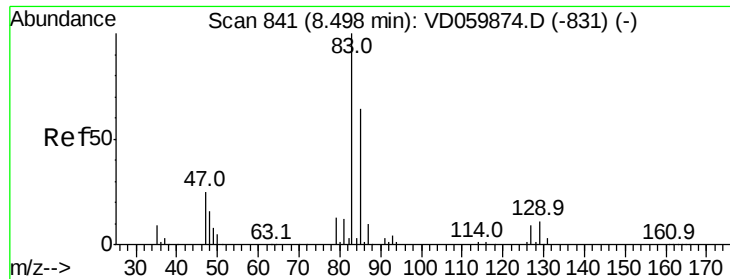
Tot Ion: 63 Resp: 213527
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.5 35.3



#46
 Dibromomethane
 Concen: 20.064 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. -0.02 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion: 93 Resp: 139888
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.6 100.0
 174 101.1 82.4 123.6





#47

Bromodichloromethane

Concen: 19.607 ug/l

RT: 8.48 min Scan# 838

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :

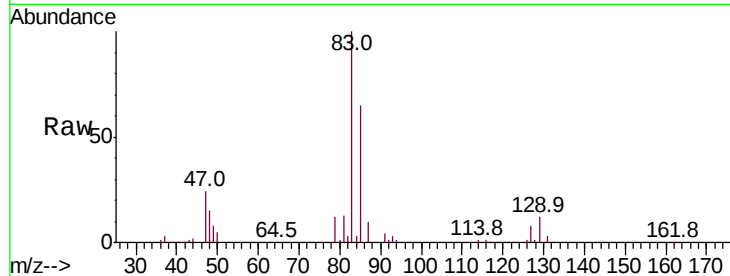
Tot Ion: 83 Resp: 309473

Ion Ratio Lower Upper

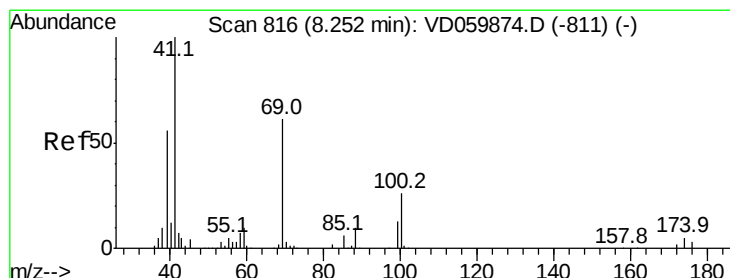
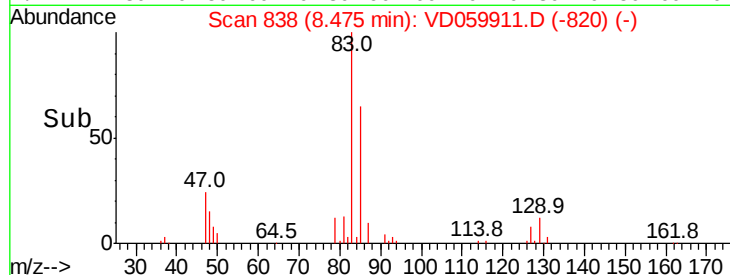
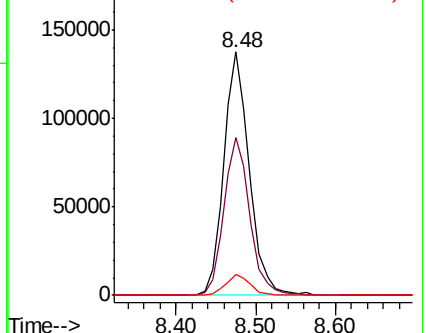
83 100

85 65.1 51.3 76.9

127 8.5 7.0 10.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.659 ug/l

RT: 8.23 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

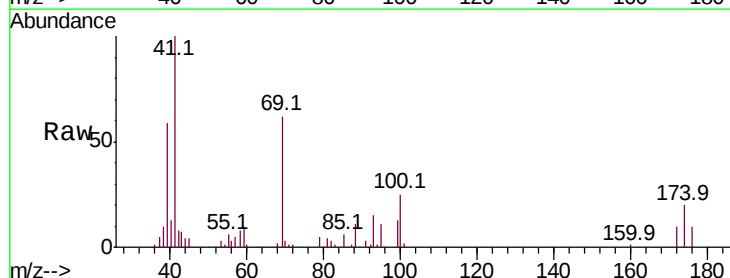
Tgt Ion: 41 Resp: 173079

Ion Ratio Lower Upper

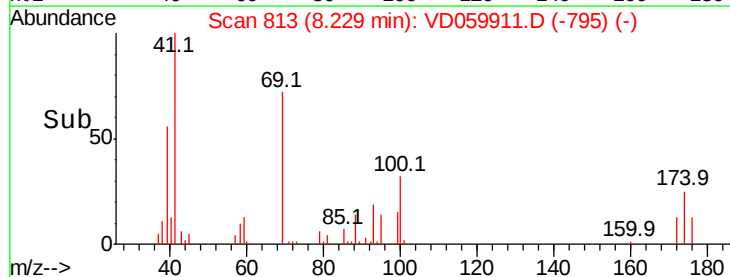
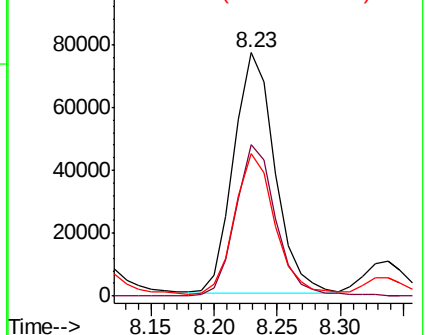
41 100

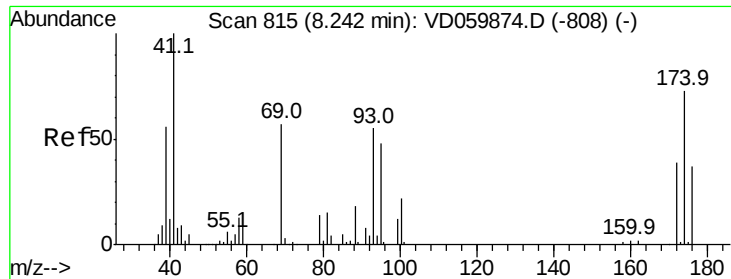
69 62.1 48.0 72.0

39 58.7 45.4 68.0



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: 417.692 ug/l

RT: 8.22 min Scan# 812

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampled :

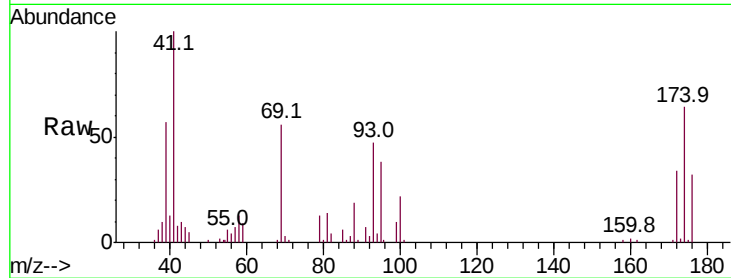
Tot Ion: 88 Resp: 32832

Ion Ratio Lower Upper

88 100

43 55.3 45.0 67.6

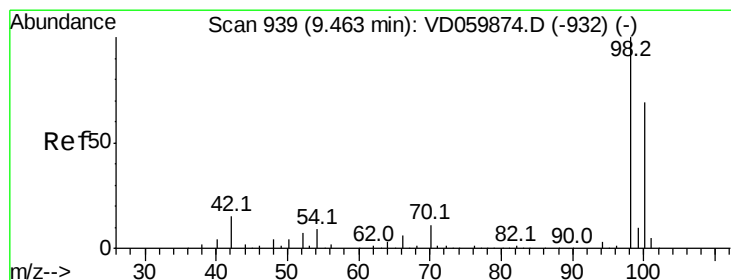
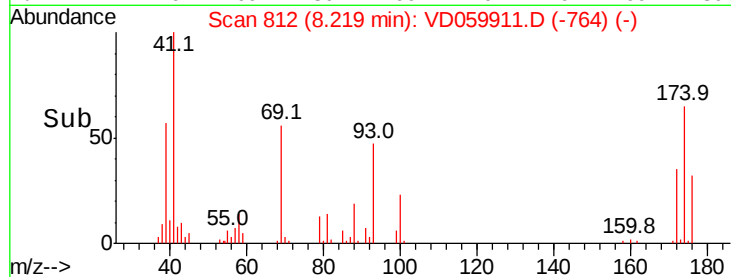
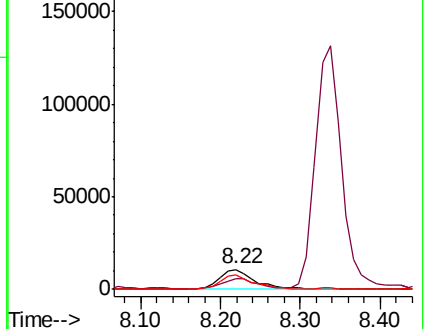
58 71.1 55.8 83.8



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: 417.692 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.02 min

Lab File: VD059911.D

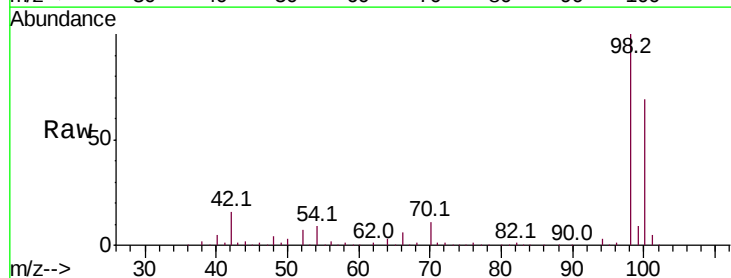
Acq: 27 Aug 2018 13:02

Tgt Ion: 98 Resp: 1799408

Ion Ratio Lower Upper

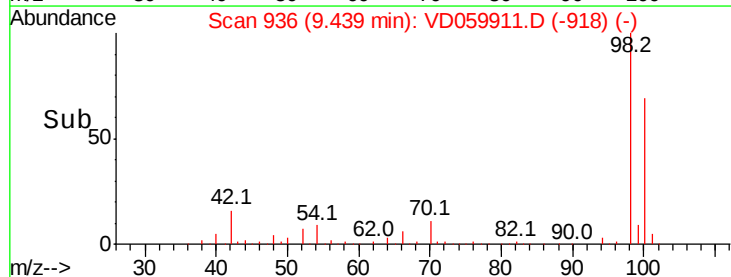
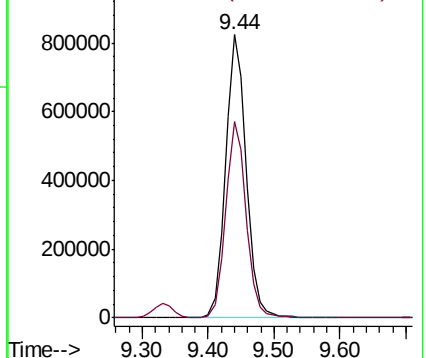
98 100

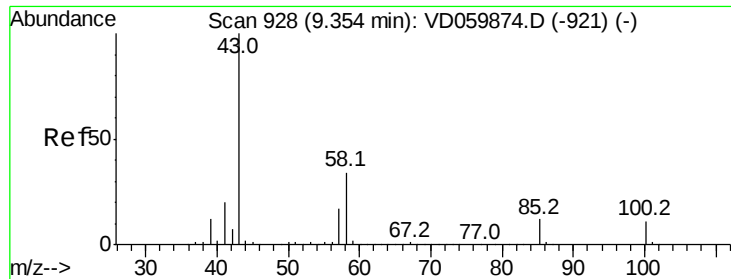
100 69.2 55.8 83.6



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: 86.061 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

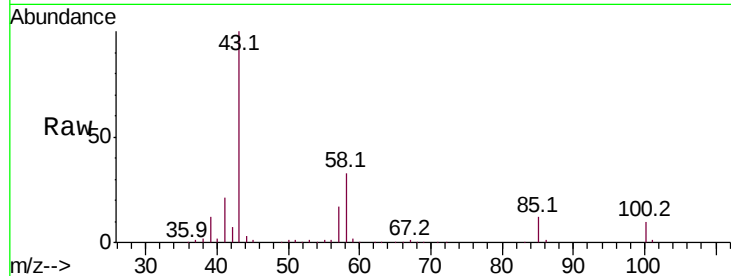
ClientSampleId :

Tot Ion: 43 Resp: 969041

Ion Ratio Lower Upper

43 100

58 32.6 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

400000

300000

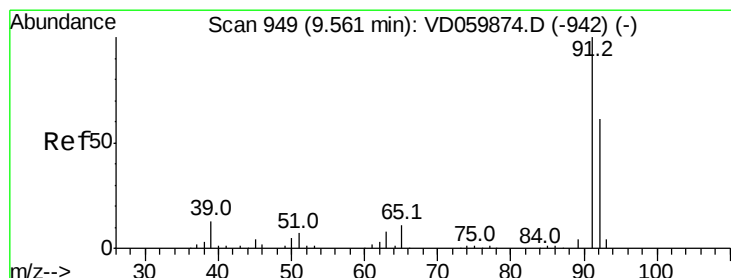
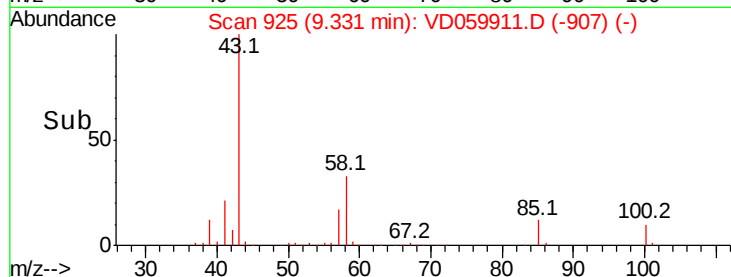
200000

100000

0

Time-->

9.20 9.30 9.40



#52

Toluene

Concen: 19.359 ug/l

RT: 9.54 min Scan# 946

Delta R.T. -0.02 min

Lab File: VD059911.D

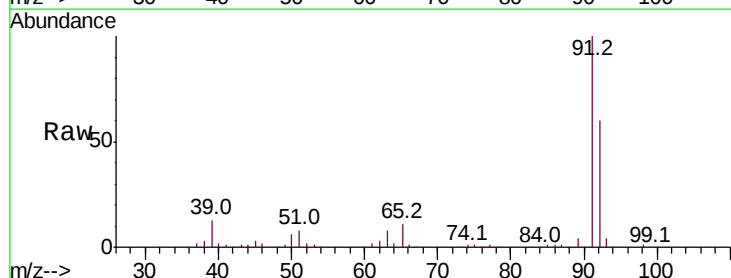
Acq: 27 Aug 2018 13:02

Tgt Ion: 92 Resp: 481554

Ion Ratio Lower Upper

92 100

91 167.9 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

400000

300000

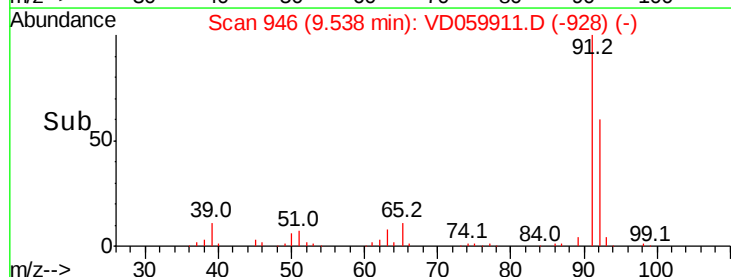
200000

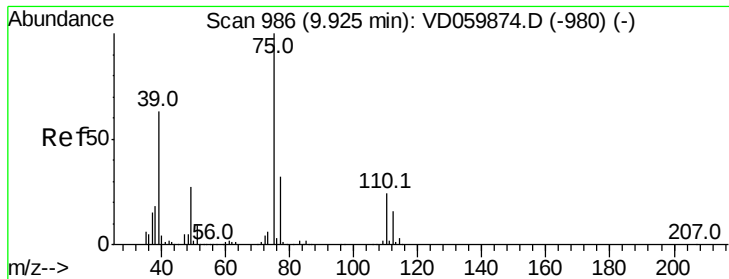
100000

0

Time-->

9.40 9.50 9.60 9.70





#53

t-1,3-Dichloropropene

Concen: 19.790 ug/l

RT: 9.90 min Scan# 983

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

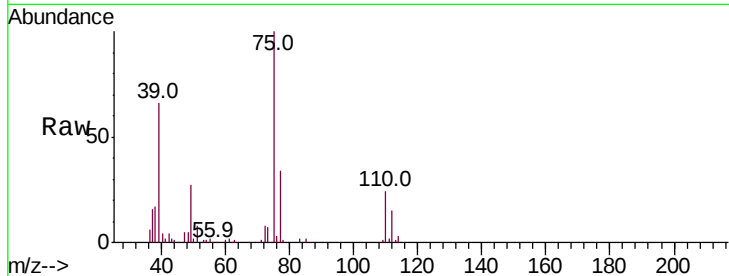
ClientSampleId :

Tot Ion: 75 Resp: 288909

Ion Ratio Lower Upper

75 100

77 34.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

150000

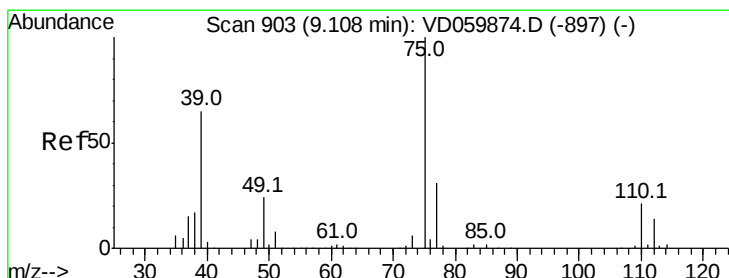
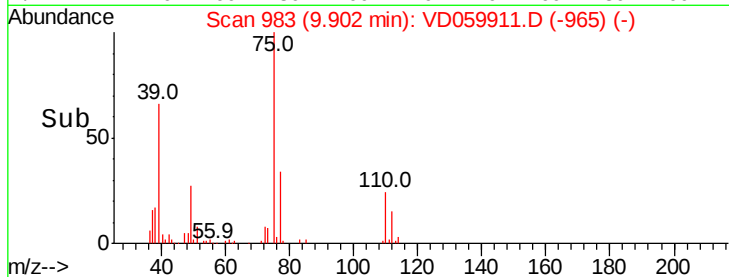
100000

50000

0

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.482 ug/l

RT: 9.09 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

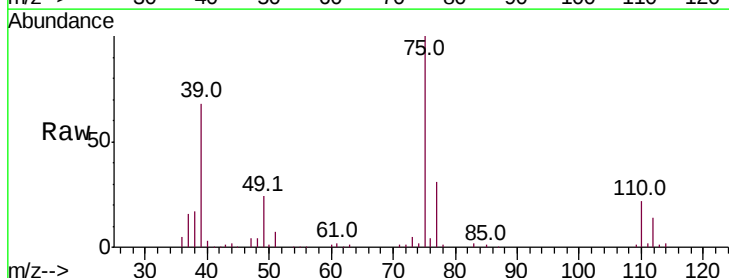
Tgt Ion: 75 Resp: 329750

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 67.7 52.1 78.1



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

200000

150000

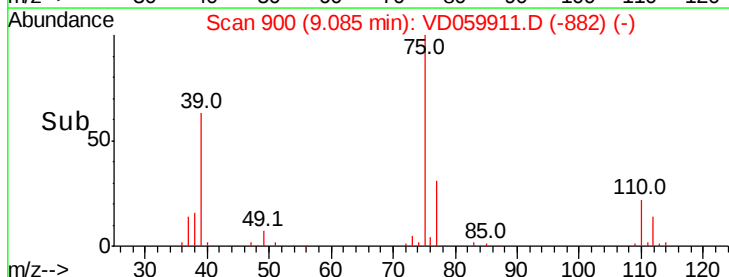
100000

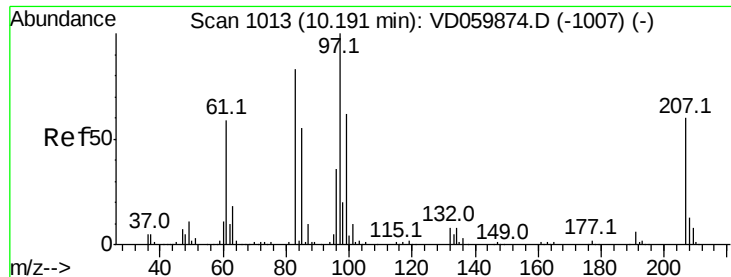
50000

0

9.00 9.10 9.20

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.919 ug/l

RT: 10.17 min Scan# 1010

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 181117

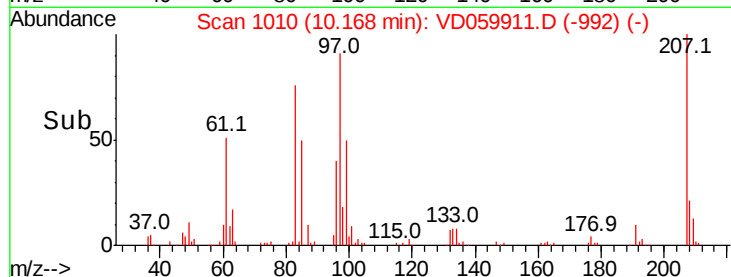
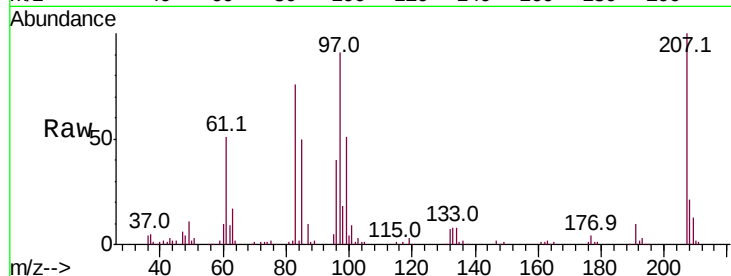
Ion	Ratio	Lower	Upper
97	100		
83	83.8	66.7	100.1
85	54.7	43.8	65.6
99	55.8	49.8	74.6

97 100

83 83.8 66.7 100.1

85 54.7 43.8 65.6

99 55.8 49.8 74.6

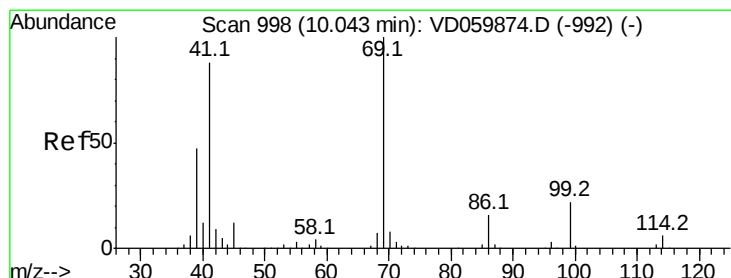
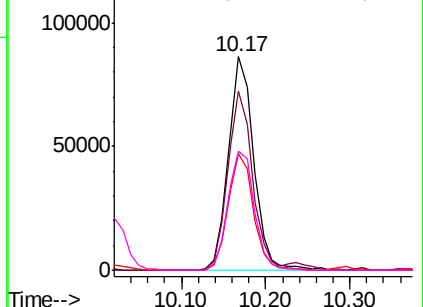


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 19.885 ug/l

RT: 10.02 min Scan# 995

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

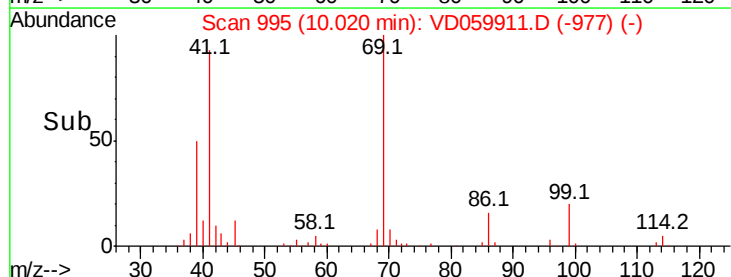
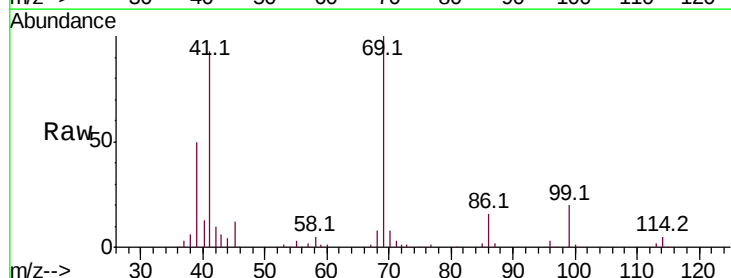
Tgt Ion: 69 Resp: 208670

Ion	Ratio	Lower	Upper
69	100		
41	93.2	71.0	106.4
39	49.5	38.5	57.7

69 100

41 93.2 71.0 106.4

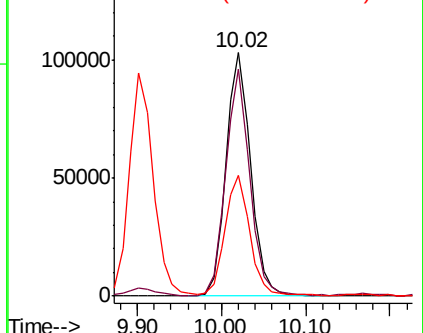
39 49.5 38.5 57.7

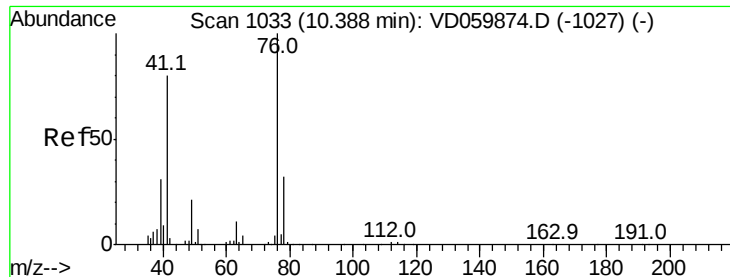


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

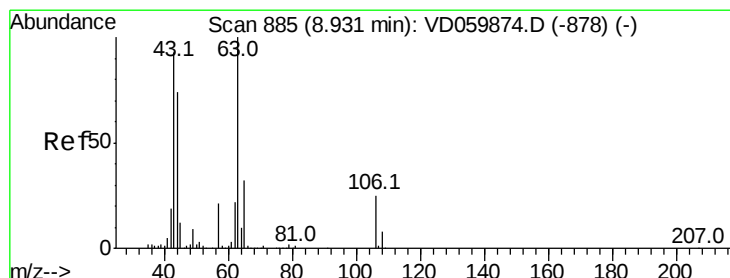
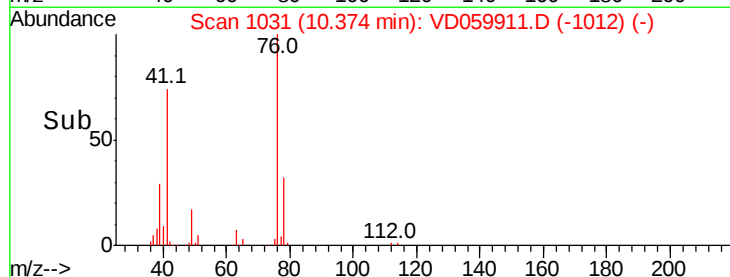
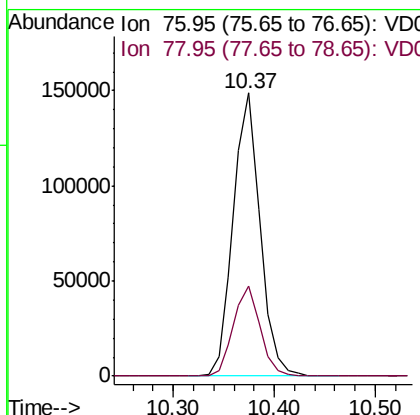
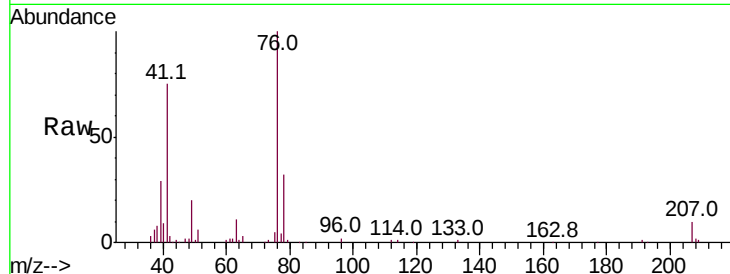




#57
 1,3-Dichloropropane
 Concen: 20.944 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

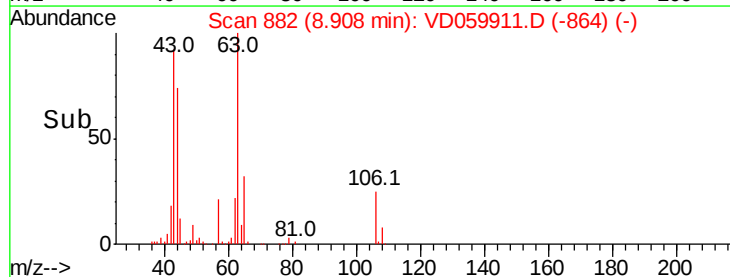
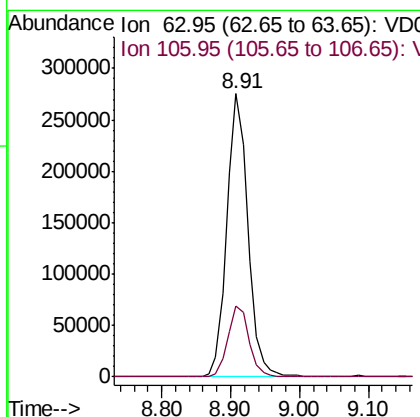
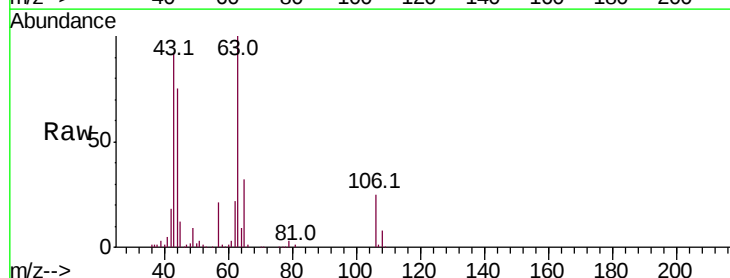
Instrument :
 MSVOA_D
 ClientSampleId :

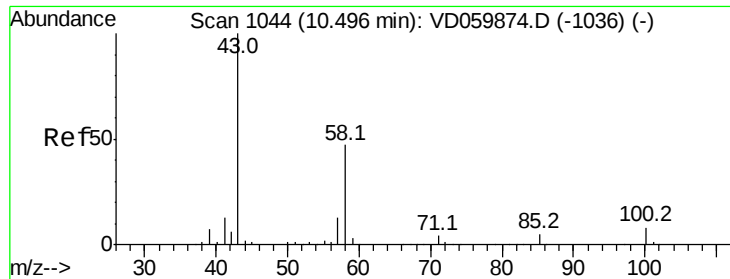
Tot Ion: 76 Resp: 275636
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.044 ug/l
 RT: 8.91 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion: 63 Resp: 584174
 Ion Ratio Lower Upper
 63 100
 106 25.2 20.1 30.1





#59

2-Hexanone

Concen: 91.982 ug/l

RT: 10.48 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

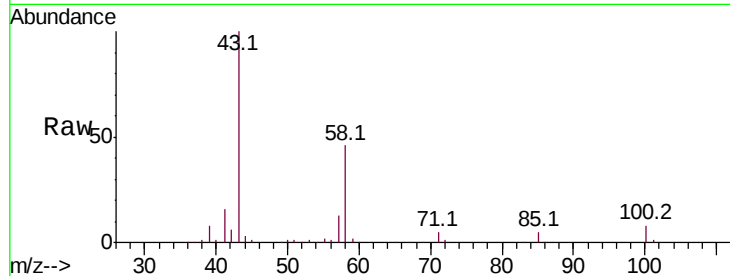
ClientSampled :

Tot Ion: 43 Resp: 763921

Ion Ratio Lower Upper

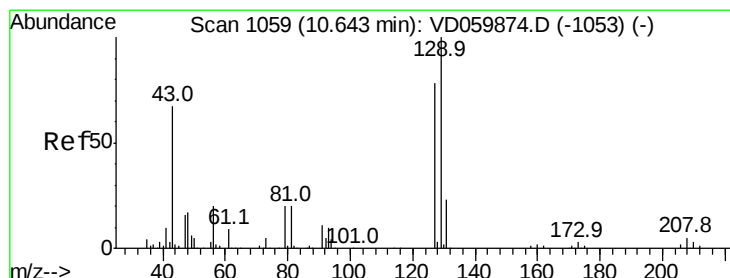
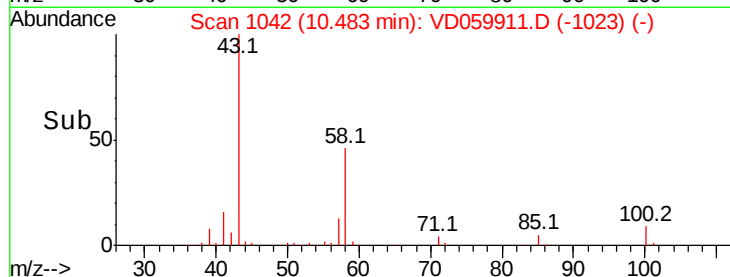
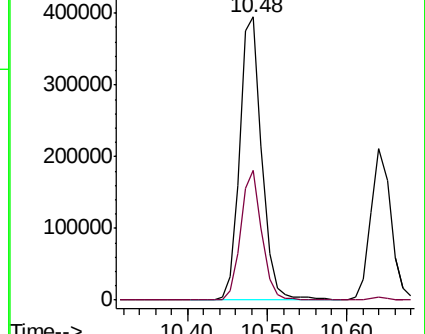
43 100

58 45.7 23.3 69.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 20.079 ug/l

RT: 10.63 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VD059911.D

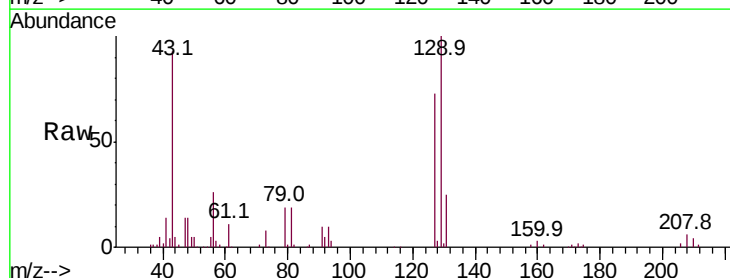
Acq: 27 Aug 2018 13:02

Tgt Ion: 129 Resp: 229475

Ion Ratio Lower Upper

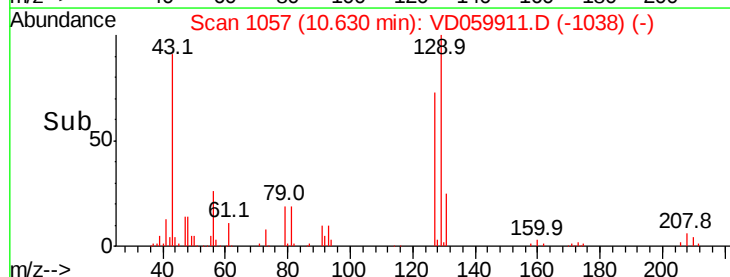
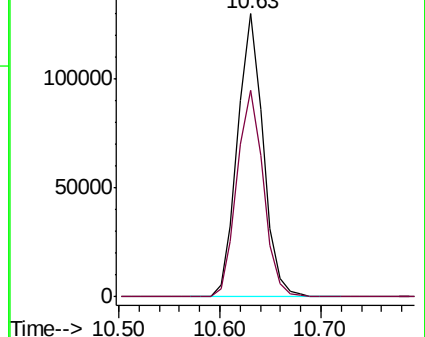
129 100

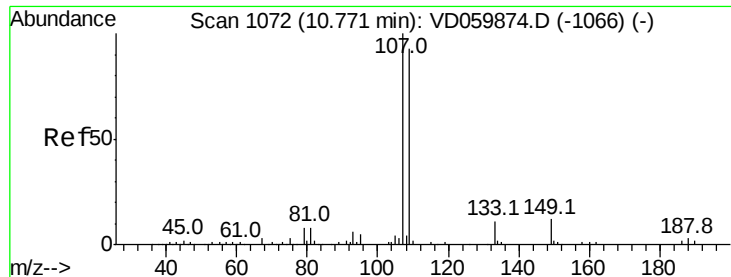
127 73.2 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

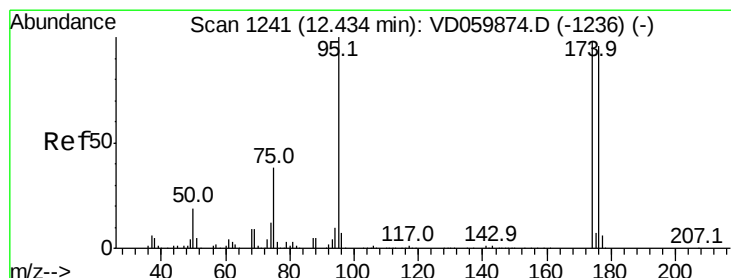
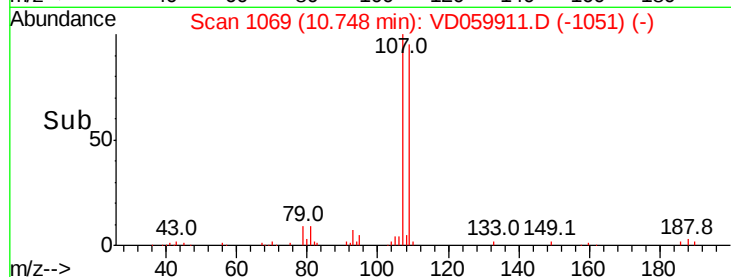
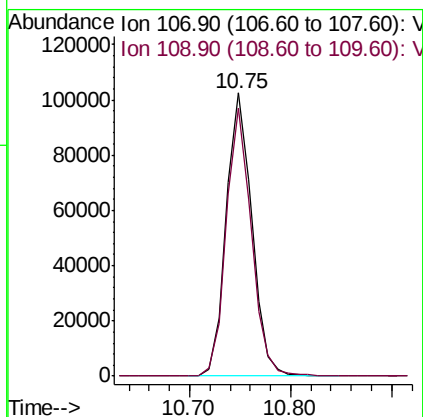
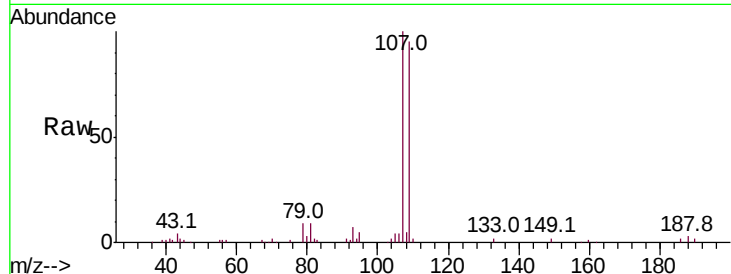




#61
 1,2-Dibromoethane
 Concen: 19.649 ug/l
 RT: 10.75 min Scan# 1069
 Delta R.T. -0.02 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

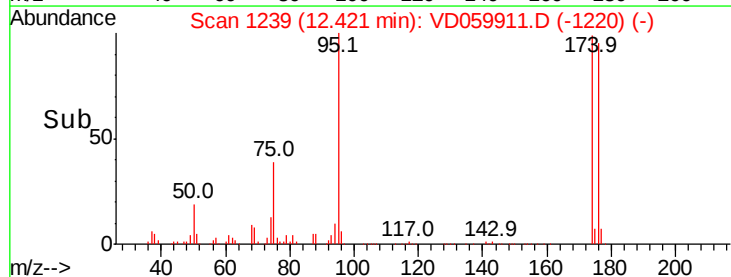
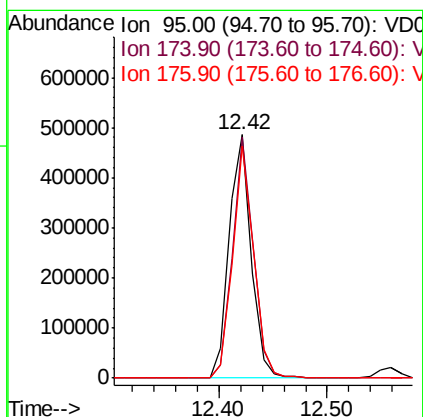
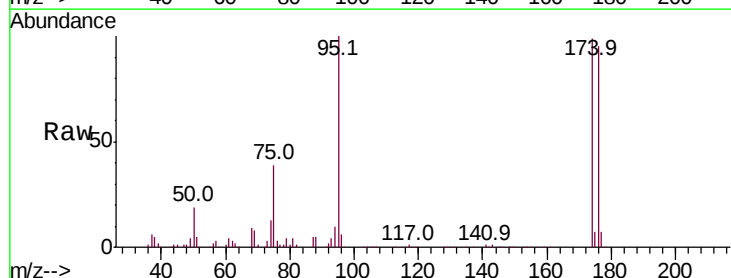
Instrument :
 MSVOA_D
 ClientSampled :

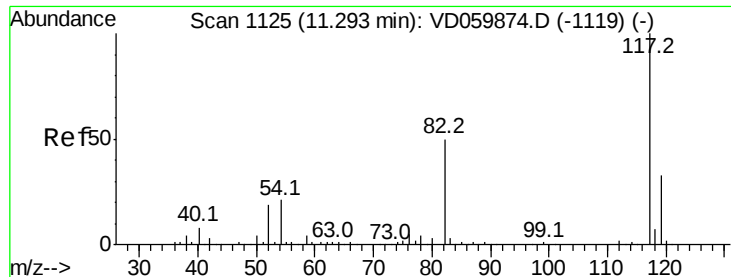
Tot Ion:107 Resp: 180652
 Ion Ratio Lower Upper
 107 100
 109 94.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 19.649 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion: 95 Resp: 690266
 Ion Ratio Lower Upper
 95 100
 174 99.0 0.0 195.6
 176 95.4 0.0 191.2

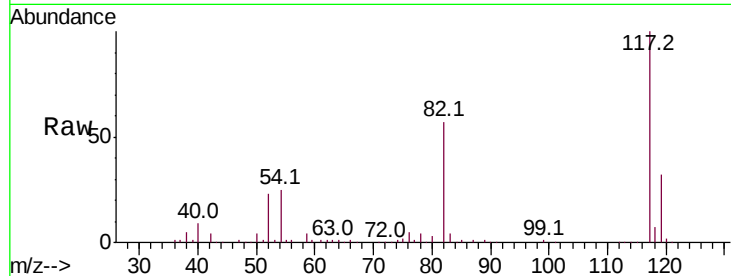




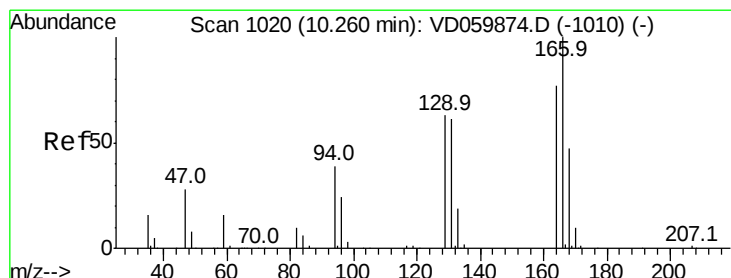
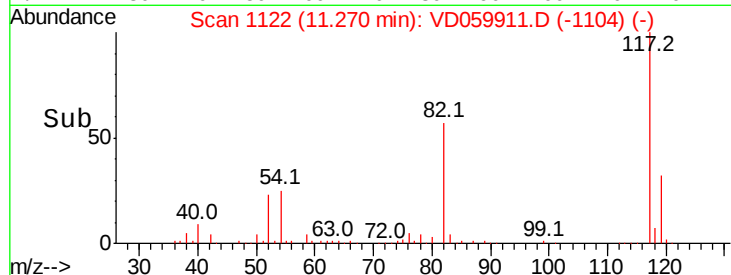
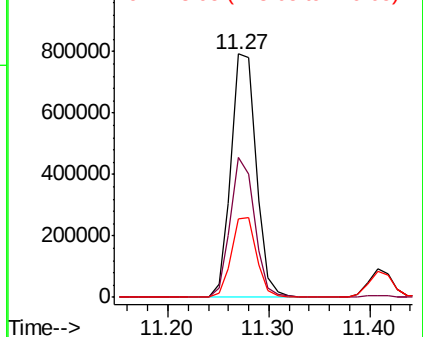
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1376153
Ion Ratio Lower Upper
117 100
82 57.4 40.1 60.1
119 32.0 26.7 40.1

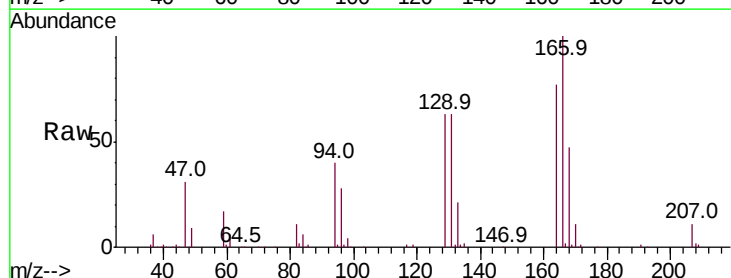


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

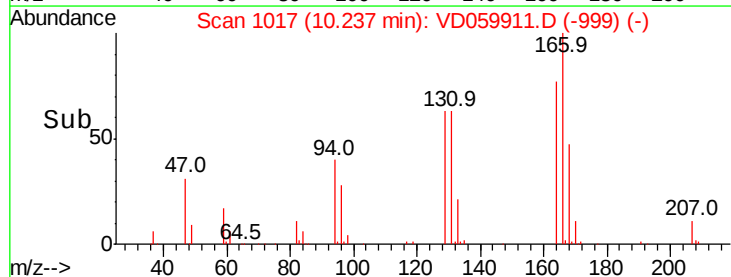
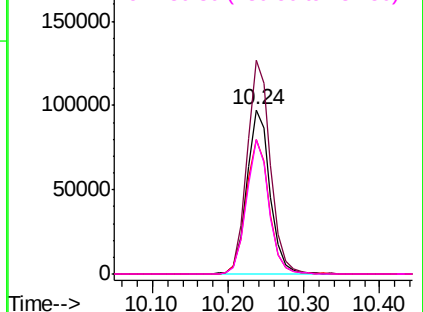


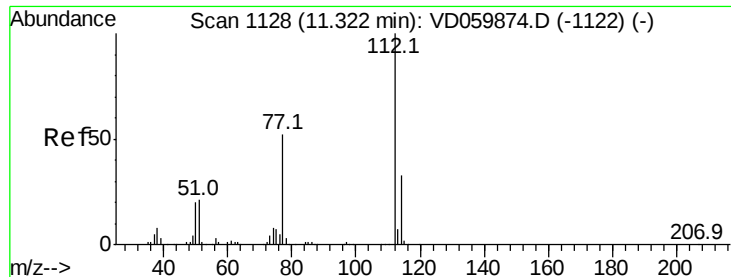
#64
Tetrachloroethene
Concen: 19.418 ug/l
RT: 10.24 min Scan# 1017
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion:164 Resp: 206621
Ion Ratio Lower Upper
164 100
166 130.0 103.4 155.2
129 82.1 65.2 97.8
131 81.4 63.1 94.7



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

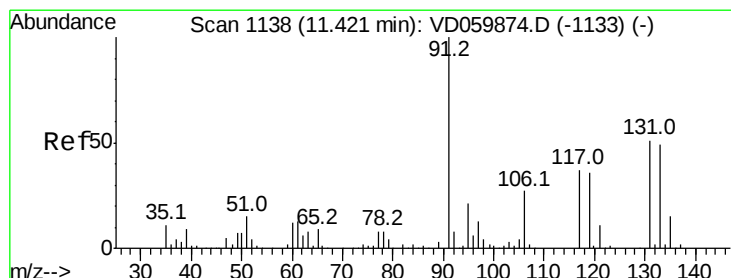
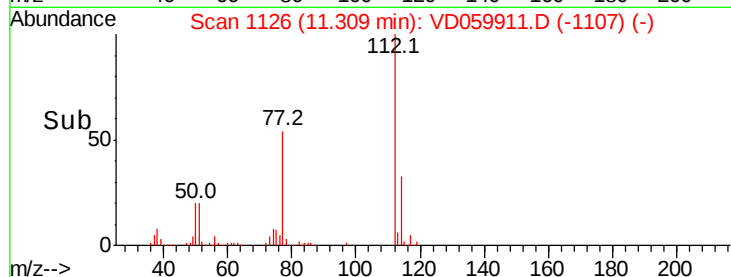
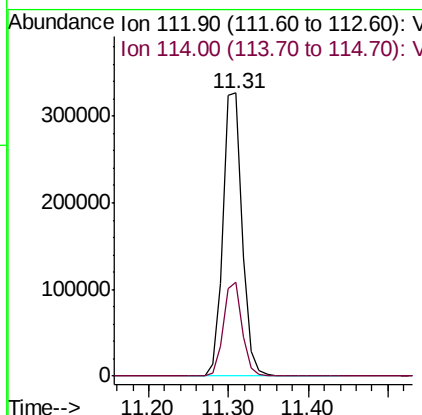
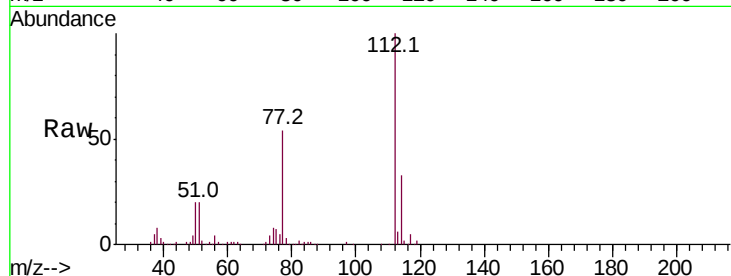




#65
Chlorobenzene
Concen: 20.565 ug/l
RT: 11.31 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

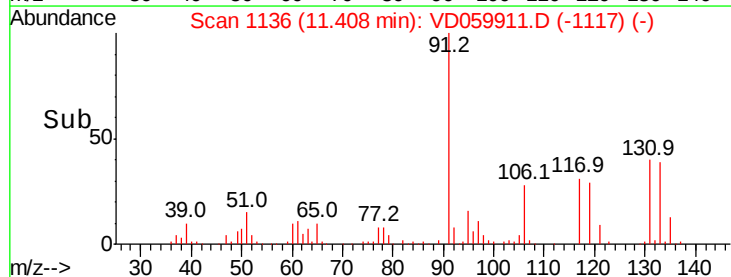
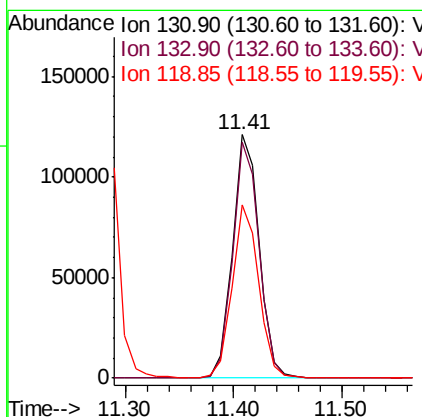
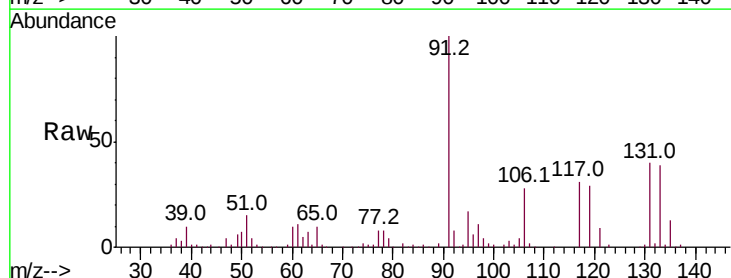
Instrument :
MSVOA_D
ClientSampleId :

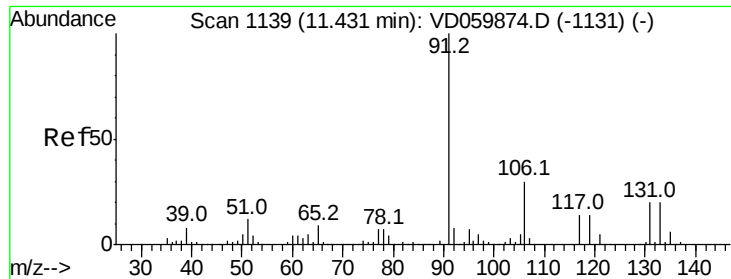
Tot Ion:112 Resp: 562375
Ion Ratio Lower Upper
112 100
114 33.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.628 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion:131 Resp: 206091
Ion Ratio Lower Upper
131 100
133 97.1 48.3 144.8
119 71.1 35.4 106.3

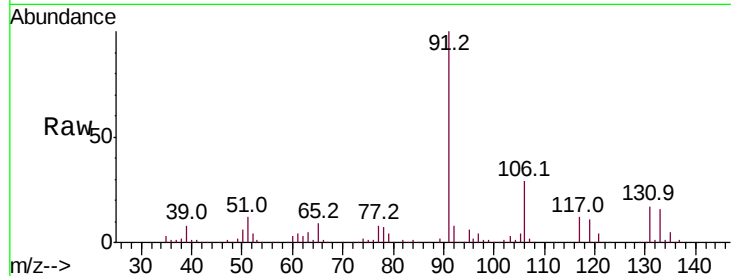




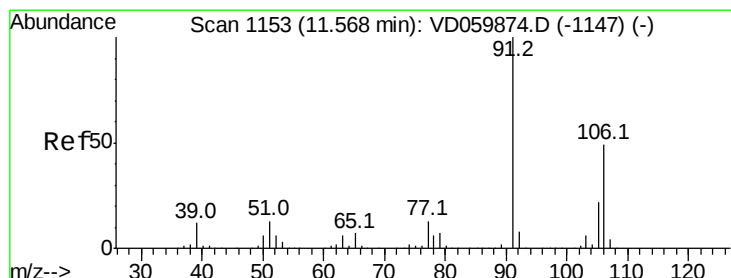
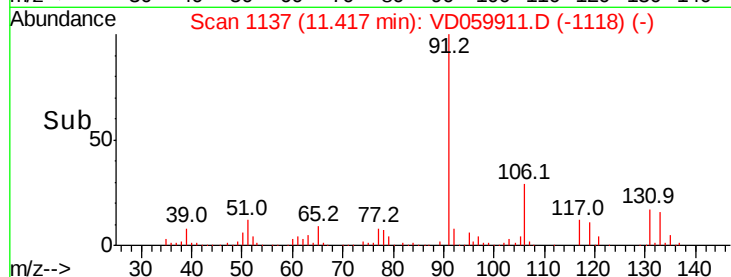
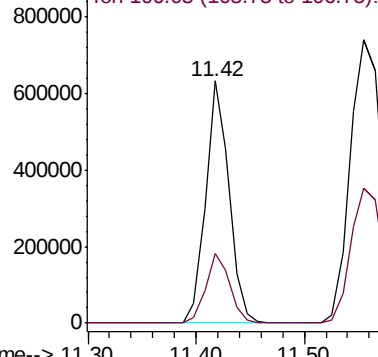
#67
Ethyl Benzene
Concen: 20.646 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 949838
Ion Ratio Lower Upper
91 100
106 29.0 23.8 35.8

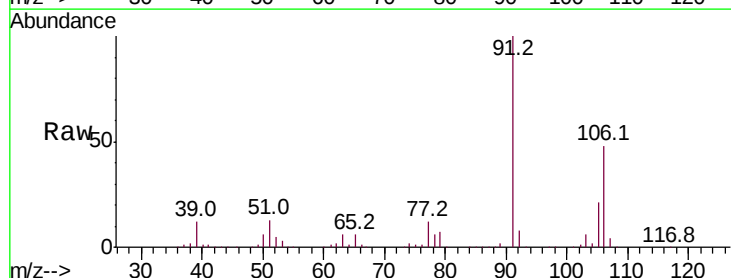


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

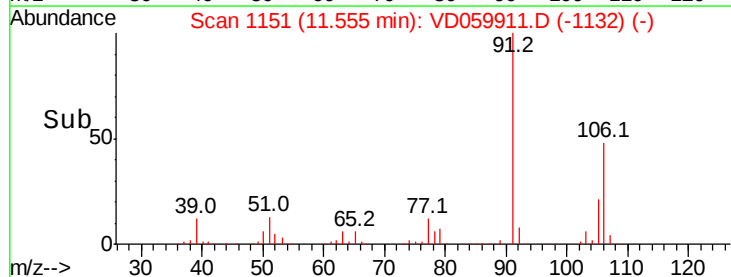
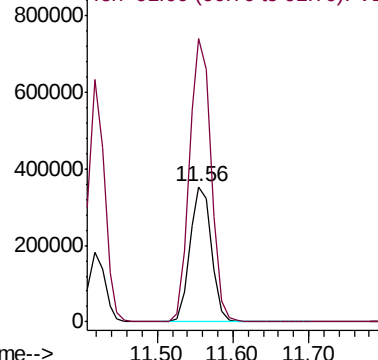


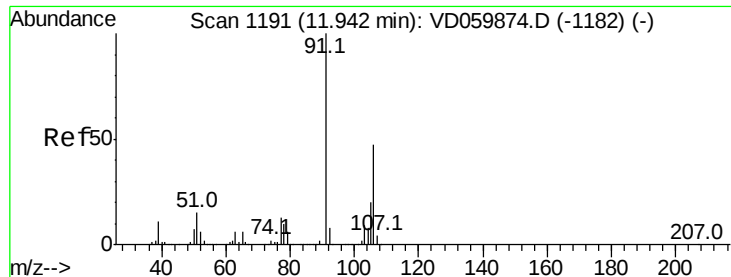
#68
m/p-Xylenes
Concen: 41.989 ug/l
RT: 11.56 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion: 106 Resp: 703342
Ion Ratio Lower Upper
106 100
91 209.8 162.0 243.0



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

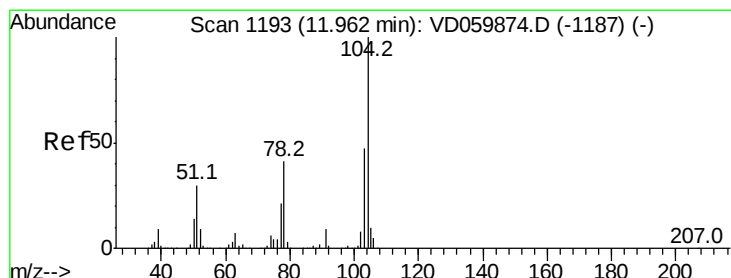
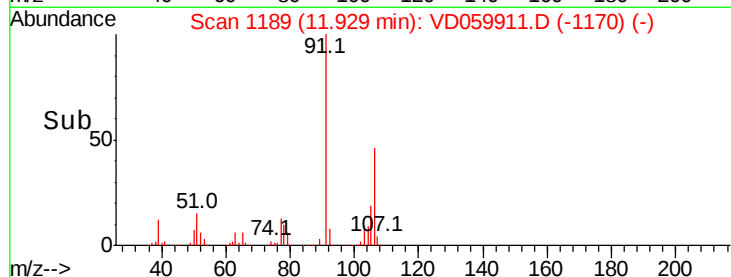
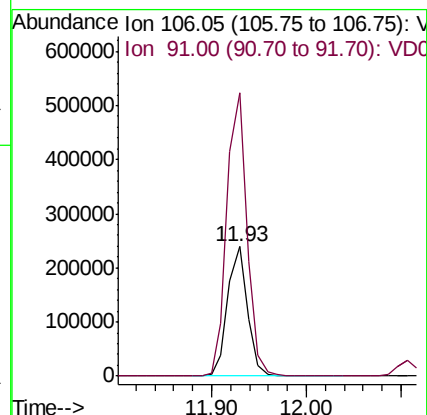
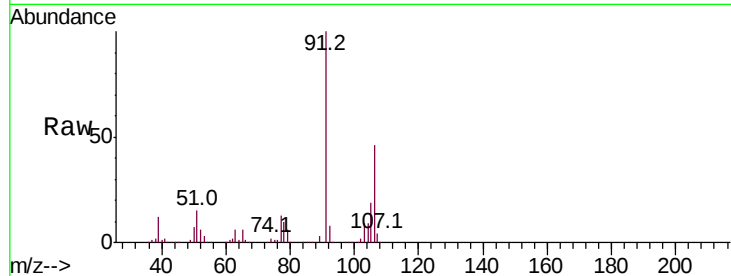




#69
o-Xylene
Concen: 21.254 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

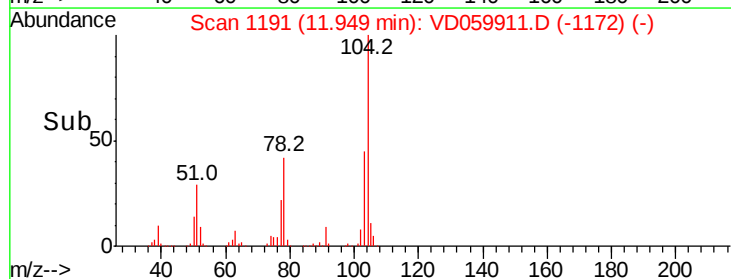
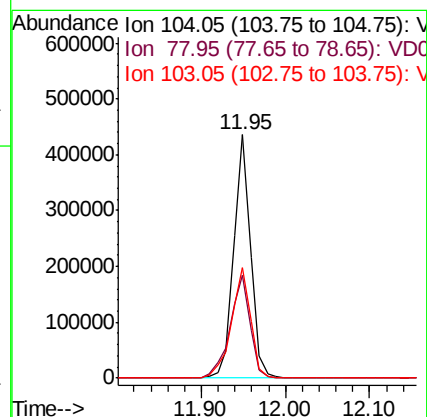
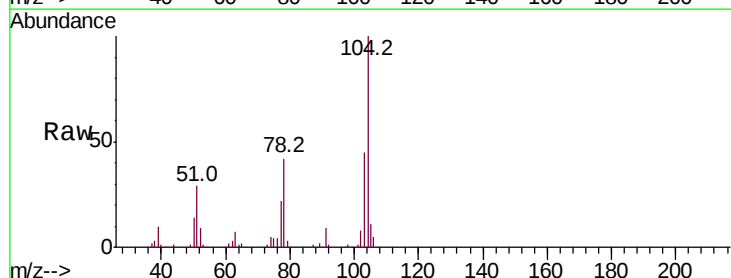
Instrument :
MSVOA_D
ClientSampled :

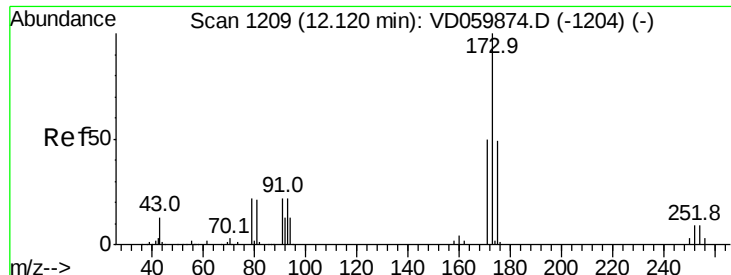
Tot Ion:106 Resp: 348205
Ion Ratio Lower Upper
106 100
91 218.5 107.3 322.0



#70
Styrene
Concen: 21.313 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion:104 Resp: 604615
Ion Ratio Lower Upper
104 100
78 42.0 32.6 49.0
103 45.4 37.7 56.5





#71

Bromoform

Concen: 19.775 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

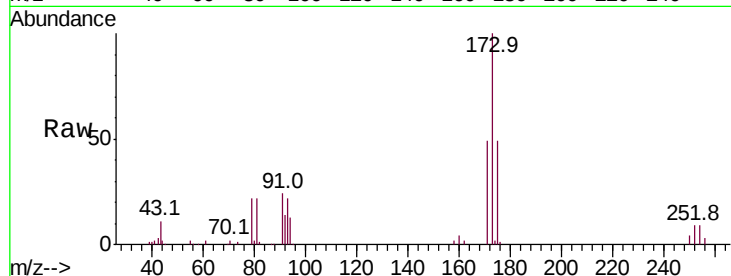
Tot Ion:173 Resp: 170943

Ion Ratio Lower Upper

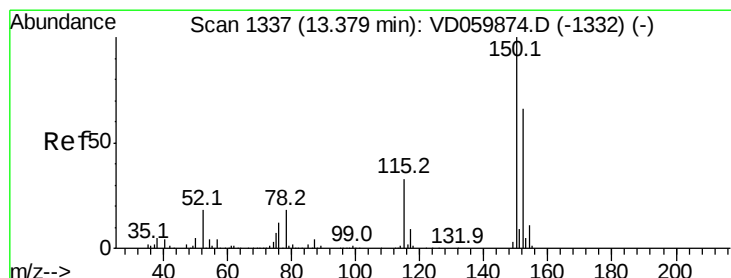
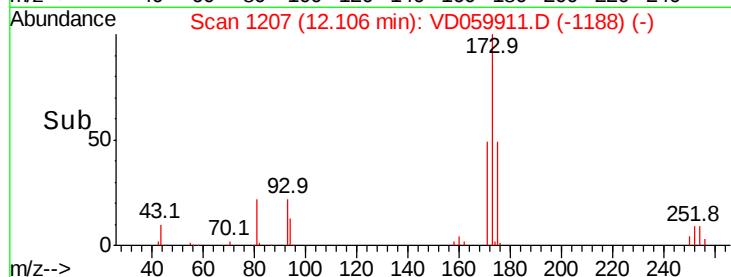
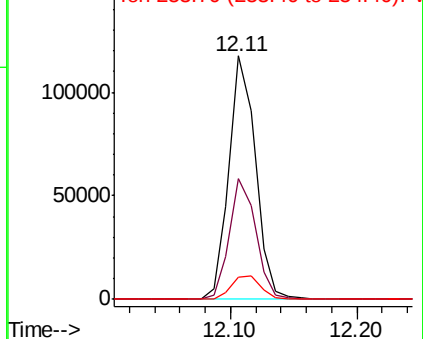
173 100

175 49.3 24.3 73.0

254 9.1 7.0 10.6



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

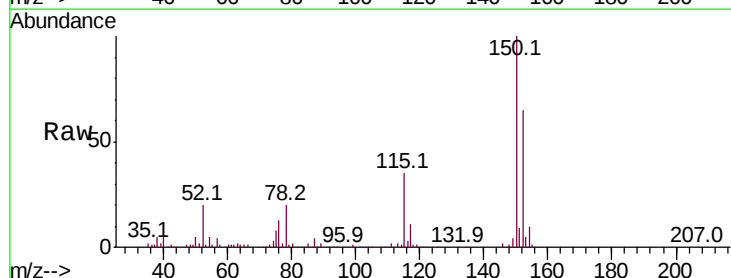
Tgt Ion:152 Resp: 723118

Ion Ratio Lower Upper

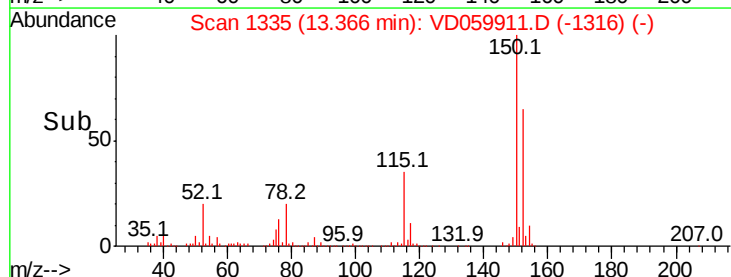
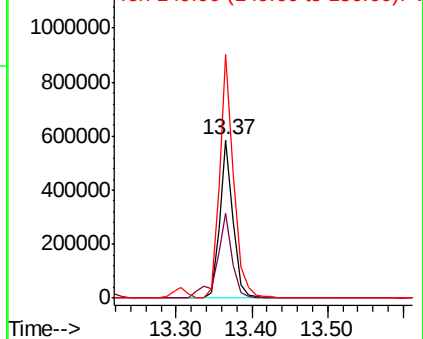
152 100

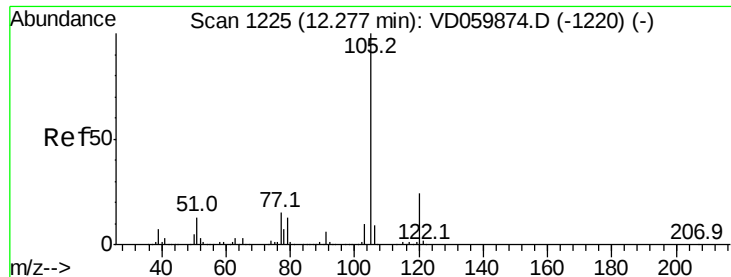
115 53.5 25.7 77.0

150 154.2 0.0 310.2



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: 20.328 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

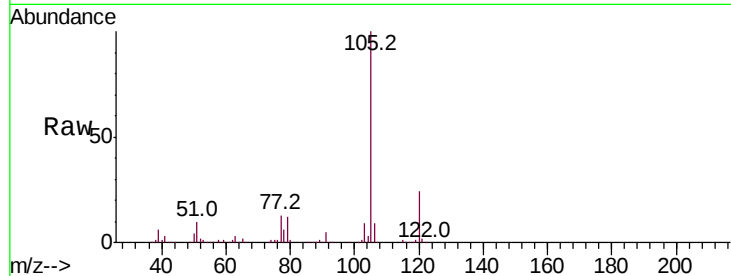
ClientSampleId :

Tot Ion:105 Resp: 938356

Ion Ratio Lower Upper

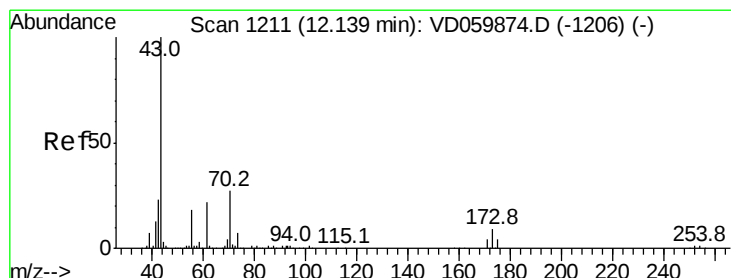
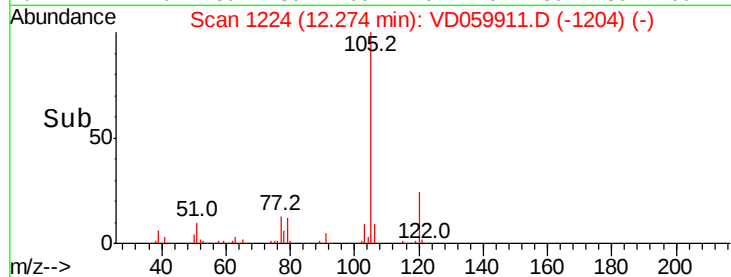
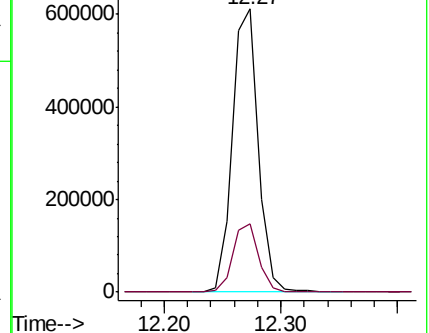
105 100

120 24.3 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.722 ug/l

RT: 12.13 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Tgt Ion: 43 Resp: 418827

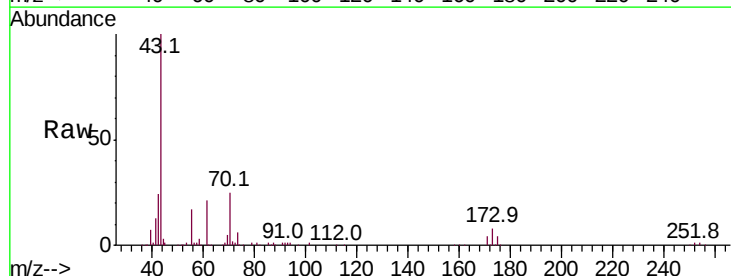
Ion Ratio Lower Upper

43 100

70 25.2 21.4 32.2

55 16.7 14.1 21.1

61 21.4 17.8 26.8

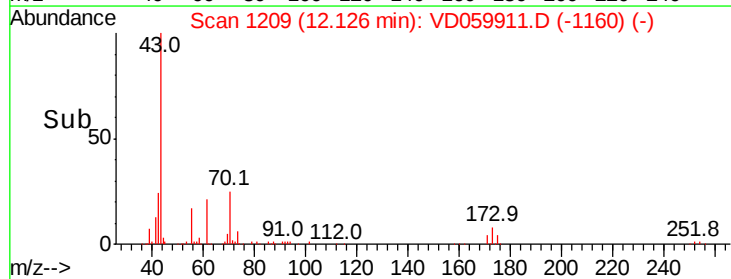
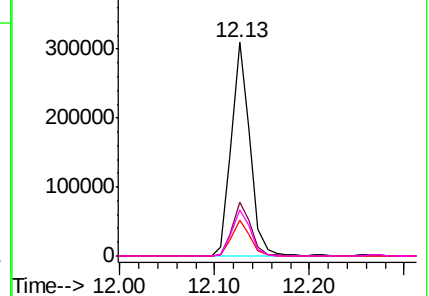


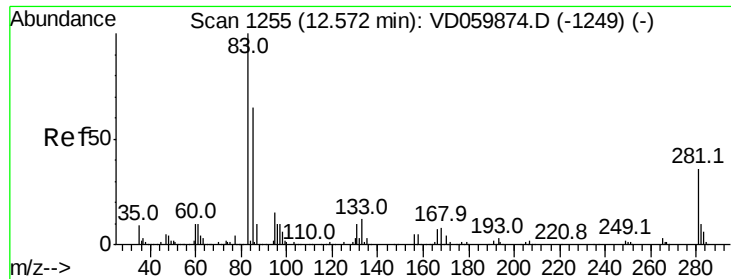
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.907 ug/l

RT: 12.56 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

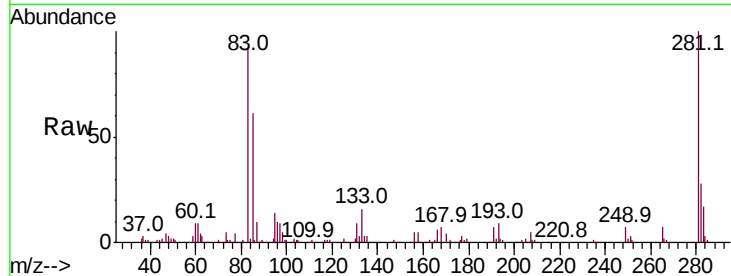
Tot Ion: 83 Resp: 223222

Ion Ratio Lower Upper

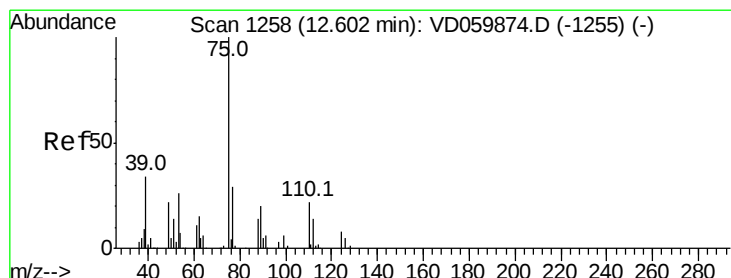
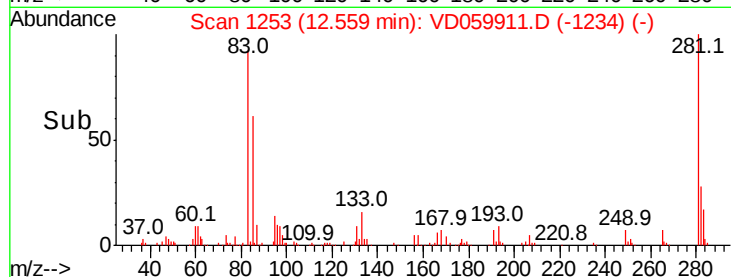
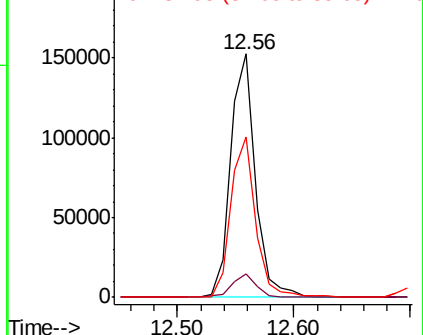
83 100

131 9.8 4.8 14.4

85 65.8 32.6 97.8



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: 20.707 ug/l

RT: 12.59 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VD059911.D

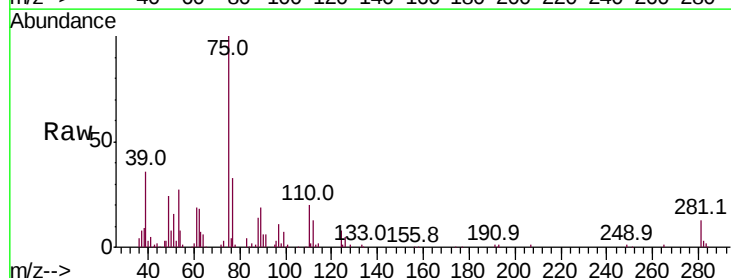
Acq: 27 Aug 2018 13:02

Tgt Ion: 75 Resp: 232721

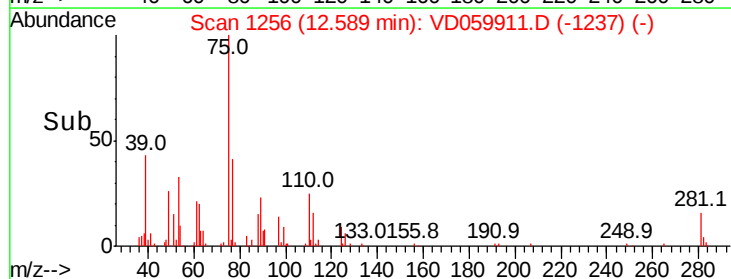
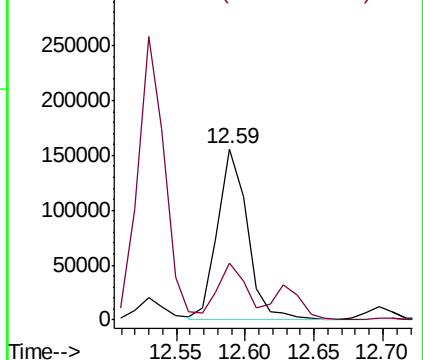
Ion Ratio Lower Upper

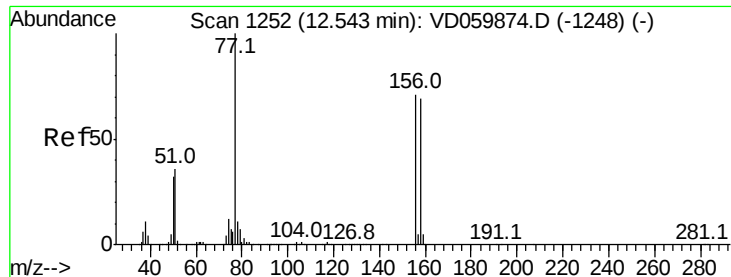
75 100

77 33.3 16.4 49.2



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

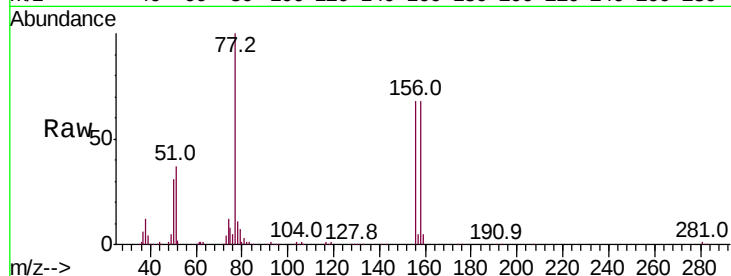




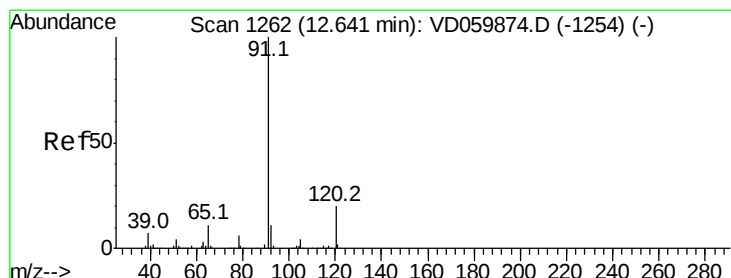
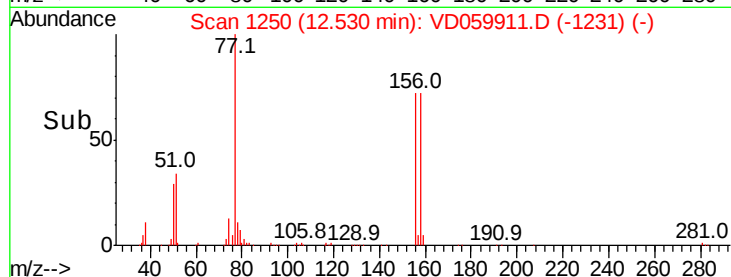
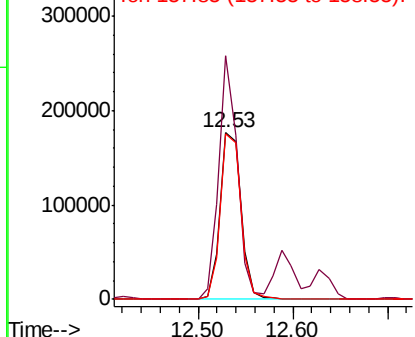
#77
Bromobenzene
Concen: 21.162 ug/l
RT: 12.53 min Scan# 1250
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 270834
Ion Ratio Lower Upper
156 100
77 146.0 70.2 210.4
158 99.3 48.4 145.2

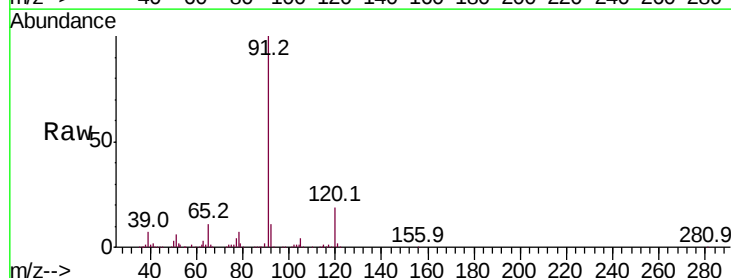


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

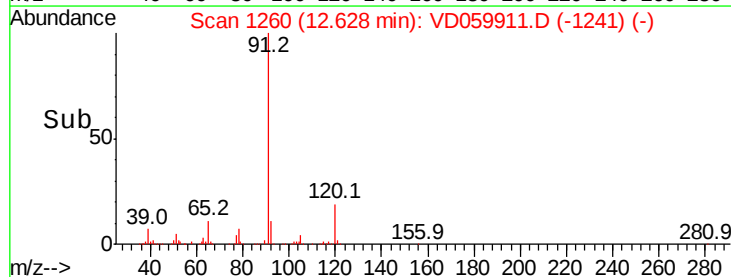
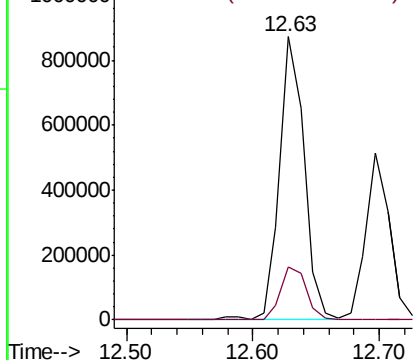


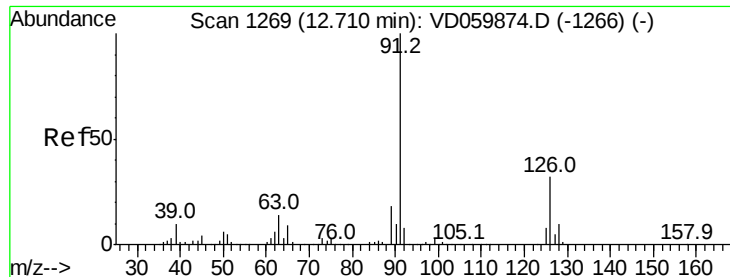
#78
n-propylbenzene
Concen: 20.449 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion: 91 Resp: 1195273
Ion Ratio Lower Upper
91 100
120 18.8 10.1 30.3



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





#79

2-Chlorotoluene

Concen: 20.514 ug/l

RT: 12.70 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

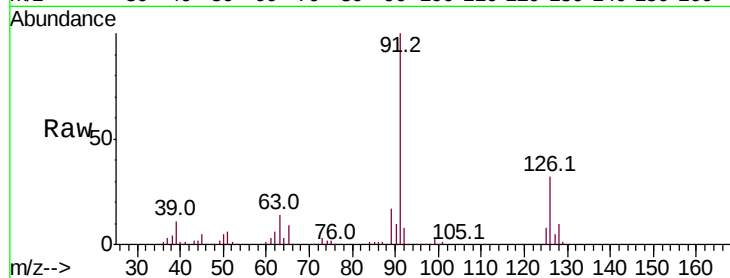
ClientSampleId :

Tot Ion: 91 Resp: 678085

Ion Ratio Lower Upper

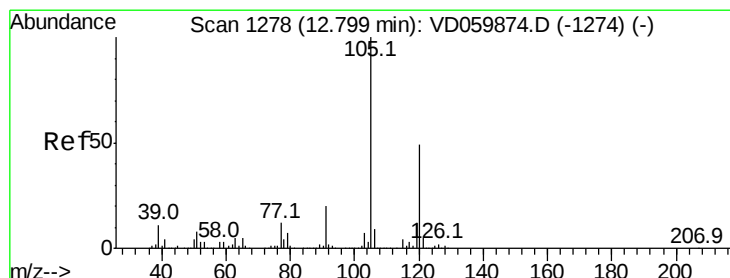
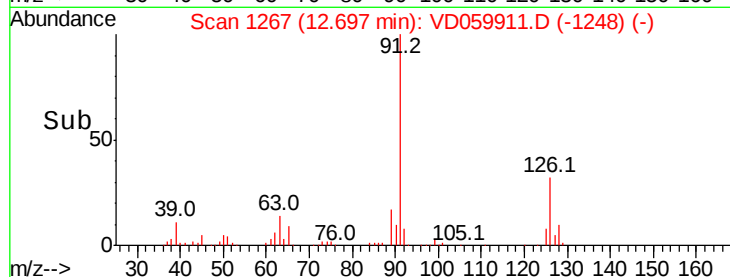
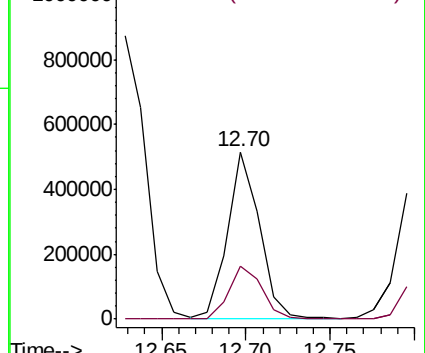
91 100

126 31.6 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 20.865 ug/l

RT: 12.79 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VD059911.D

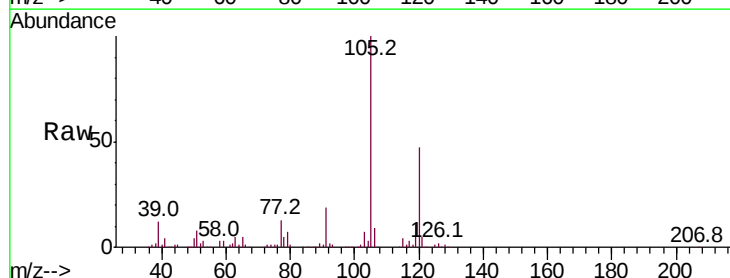
Acq: 27 Aug 2018 13:02

Tgt Ion:105 Resp: 765740

Ion Ratio Lower Upper

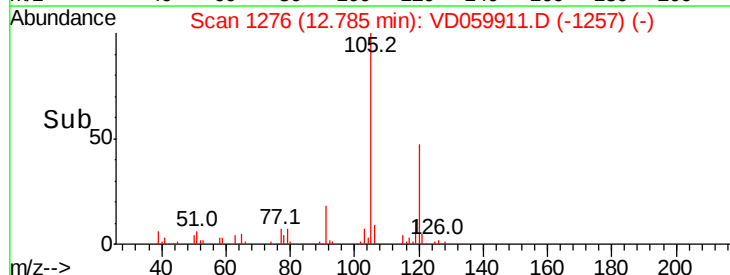
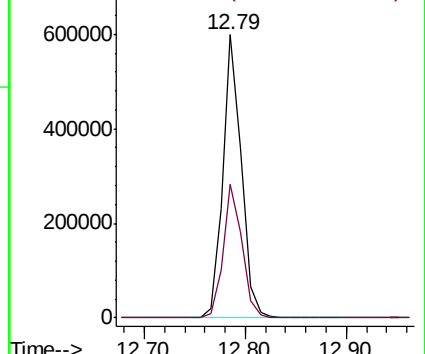
105 100

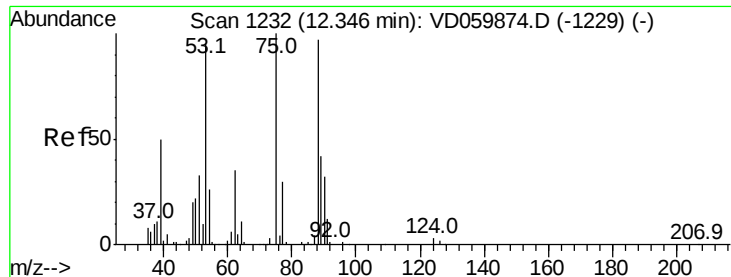
120 47.1 24.5 73.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.248 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

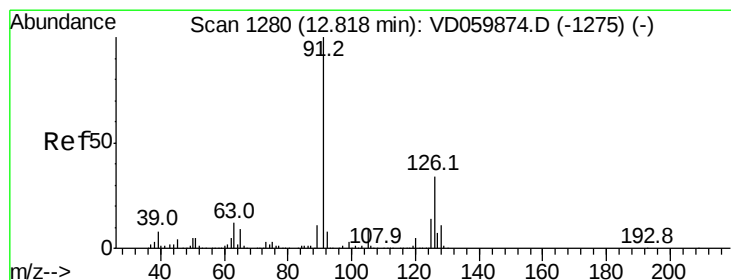
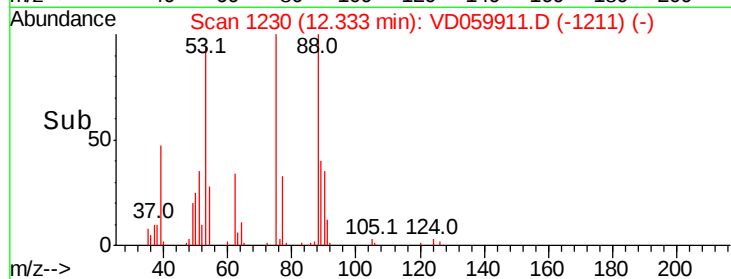
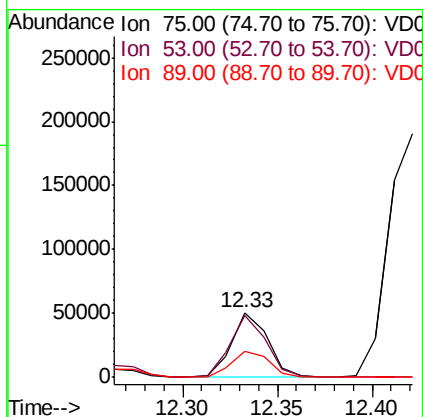
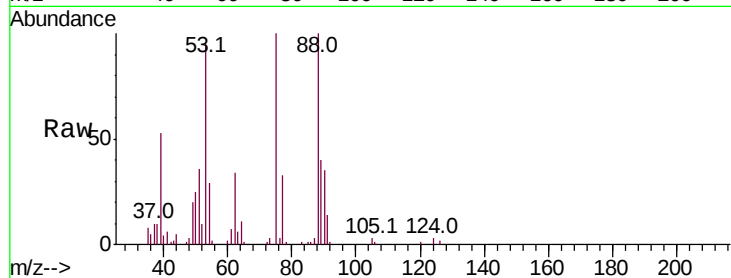
Tot Ion: 75 Resp: 67293

Ion Ratio Lower Upper

75 100

53 95.7 75.8 113.6

89 40.2 33.6 50.4



#82

4-Chlorotoluene

Concen: 21.381 ug/l

RT: 12.81 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VD059911.D

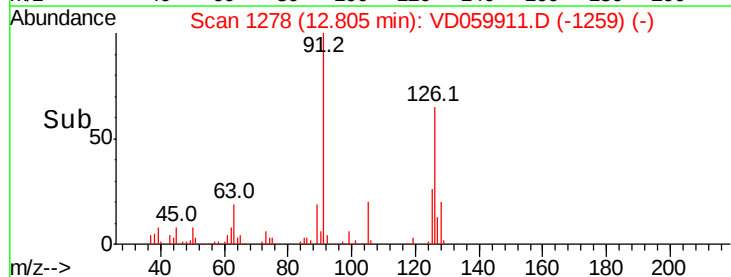
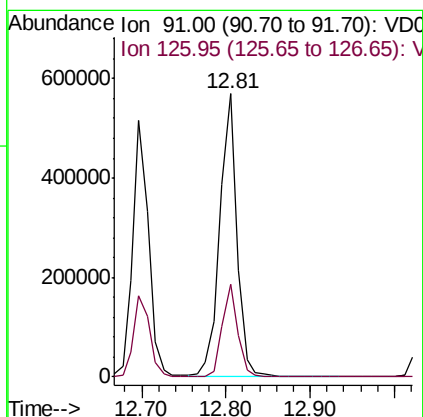
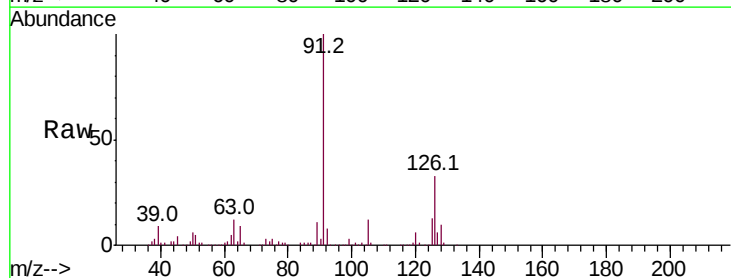
Acq: 27 Aug 2018 13:02

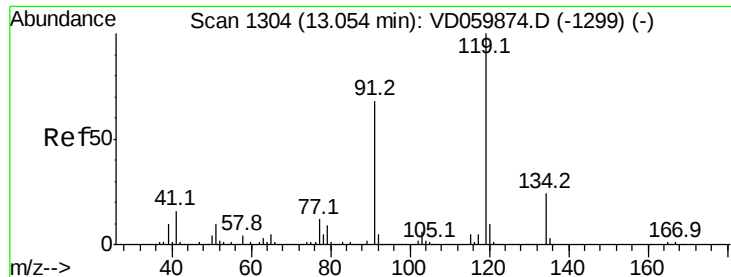
Tgt Ion: 91 Resp: 806150

Ion Ratio Lower Upper

91 100

126 32.6 17.1 51.2

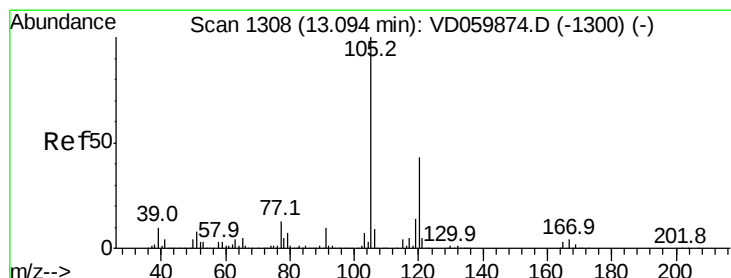
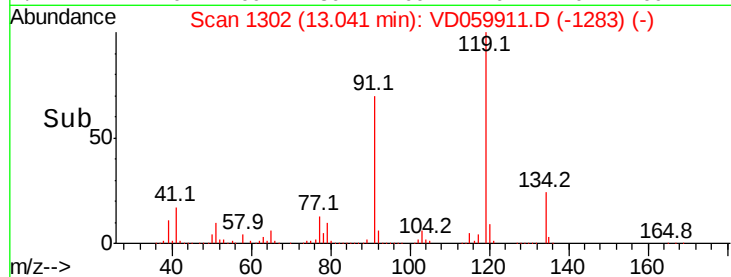
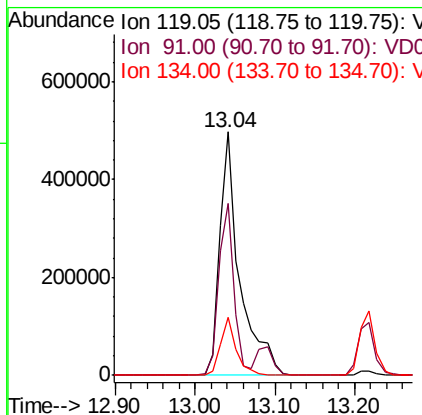
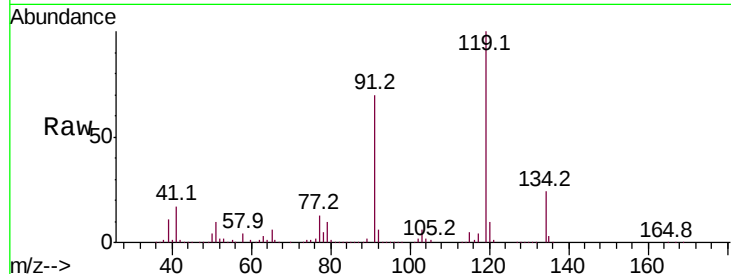




#83
 tert-Butylbenzene
 Concen: 21.057 ug/l
 RT: 13.04 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

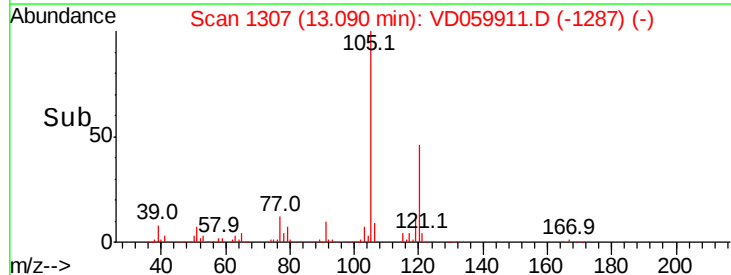
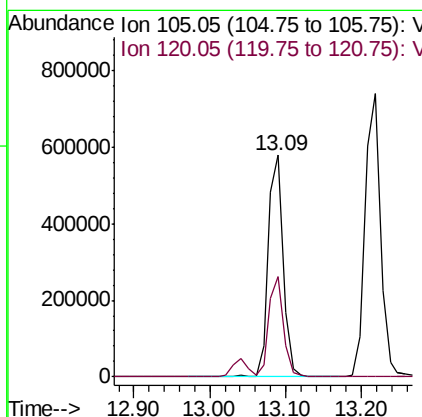
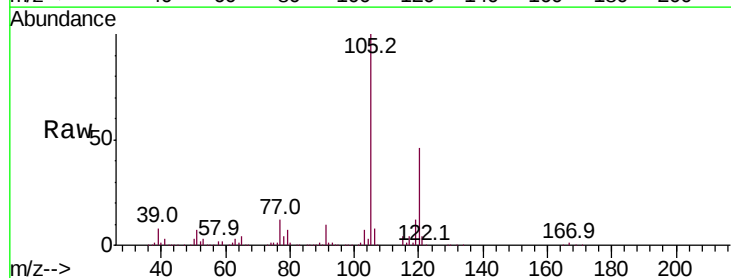
Instrument :
 MSVOA_D
 ClientSampleId :

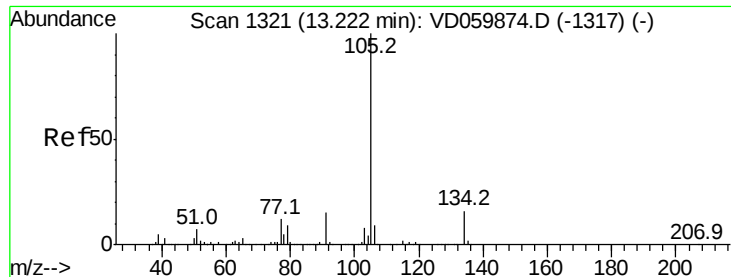
Tot Ion:119 Resp: 880303
 Ion Ratio Lower Upper
 119 100
 91 70.4 34.3 102.9
 134 23.7 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.064 ug/l
 RT: 13.09 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion:105 Resp: 805711
 Ion Ratio Lower Upper
 105 100
 120 45.5 21.8 65.3

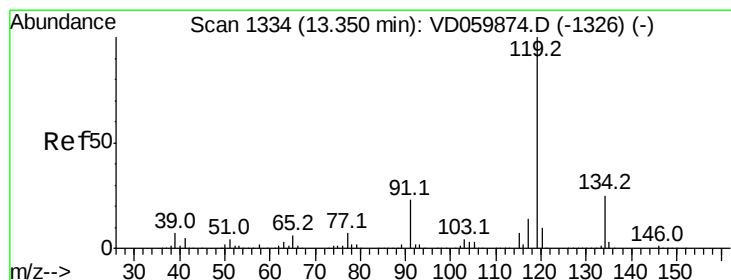
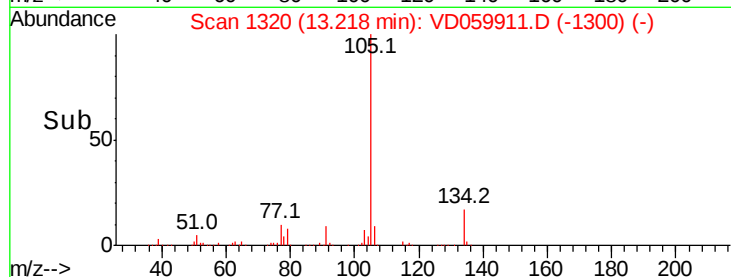
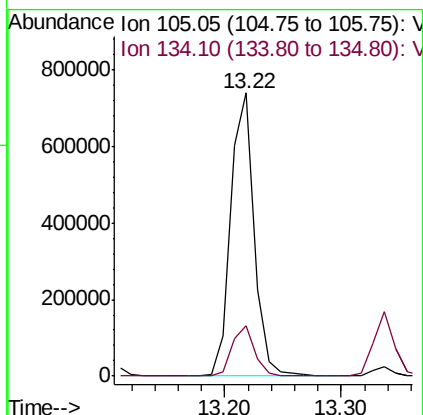
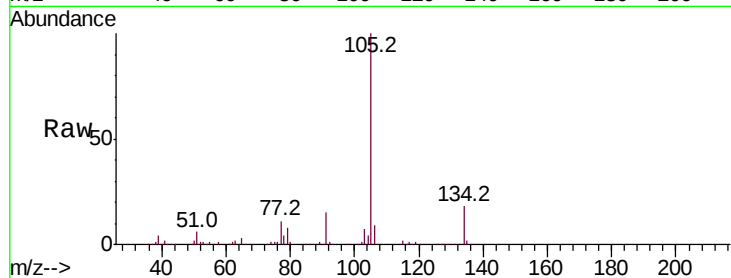




#85
 sec-Butylbenzene
 Concen: 20.810 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

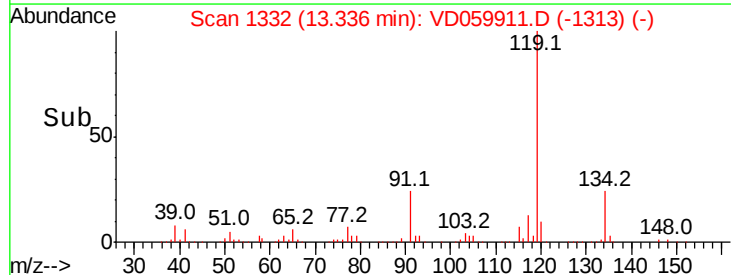
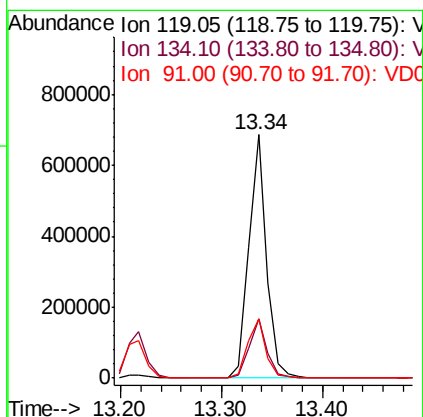
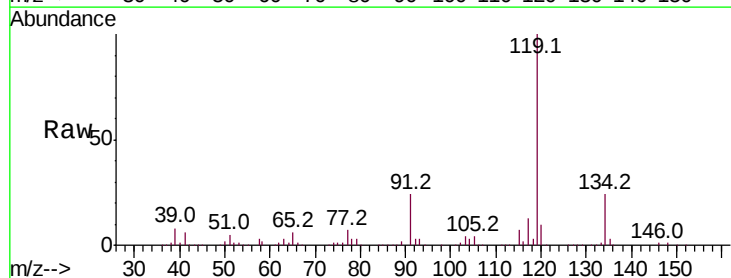
Instrument :
 MSVOA_D
 ClientSampleId :

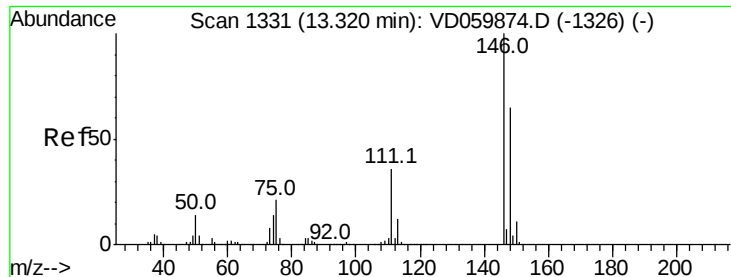
Tot Ion:105 Resp: 1023054
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.952 ug/l
 RT: 13.34 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion:119 Resp: 837720
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.7 38.1
 91 24.3 11.7 35.0

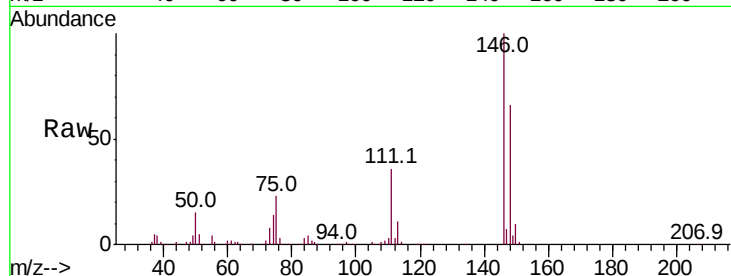




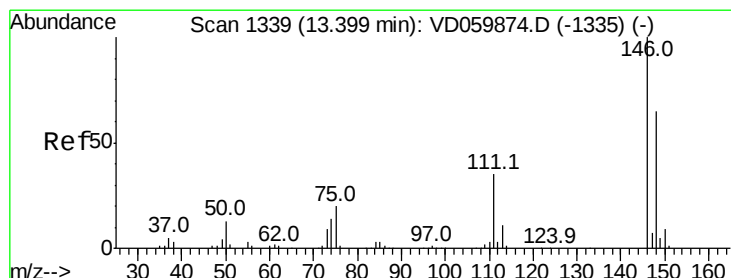
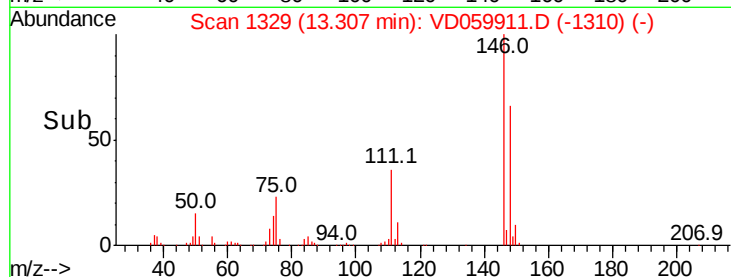
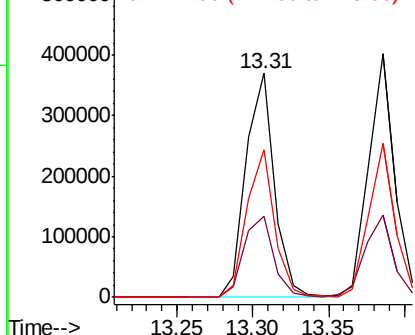
#87
 1,3-Dichlorobenzene
 Concen: 21.212 ug/l
 RT: 13.31 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 484671
 Ion Ratio Lower Upper
 146 100
 111 35.9 17.9 53.7
 148 65.8 32.4 97.0

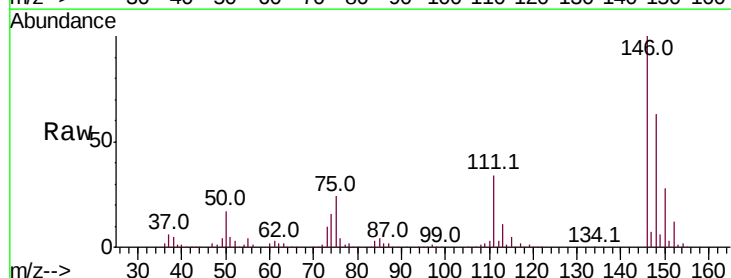


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

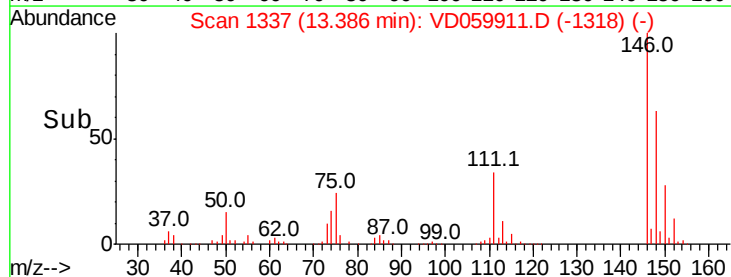
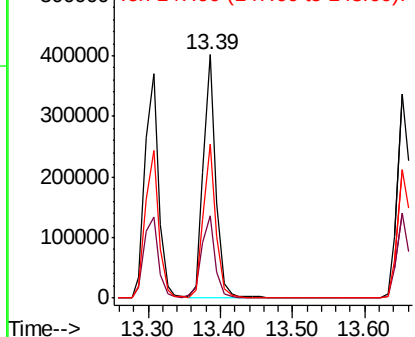


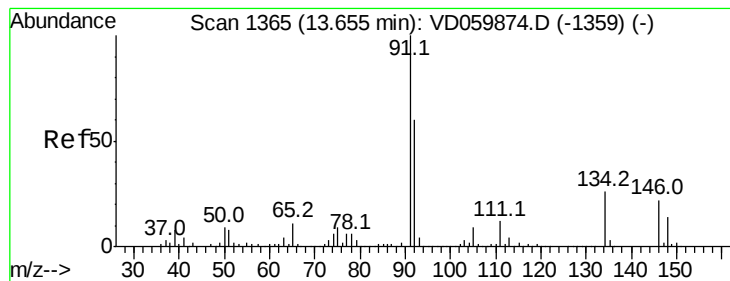
#88
 1,4-Dichlorobenzene
 Concen: 21.525 ug/l
 RT: 13.39 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion:146 Resp: 490681
 Ion Ratio Lower Upper
 146 100
 111 34.0 17.5 52.6
 148 63.1 32.5 97.5



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





#89

n-Butylbenzene

Concen: 20.373 ug/l

RT: 13.64 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampled :

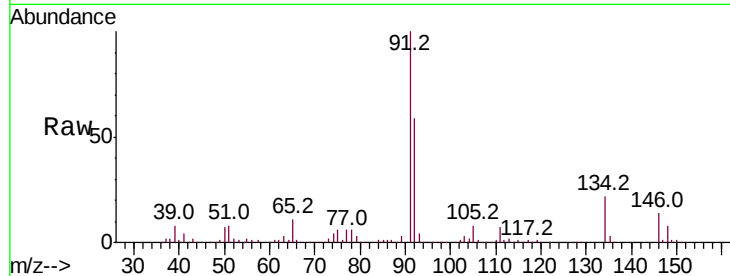
Tot Ion: 91 Resp: 880132

Ion Ratio Lower Upper

91 100

92 58.8 30.0 90.1

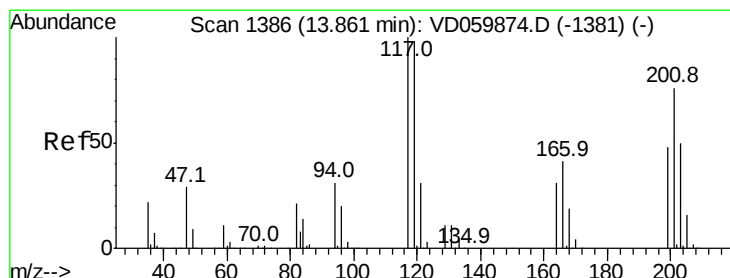
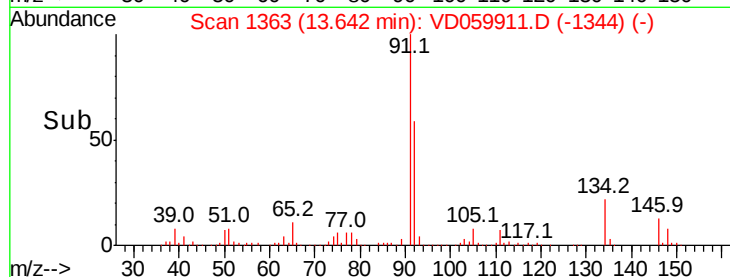
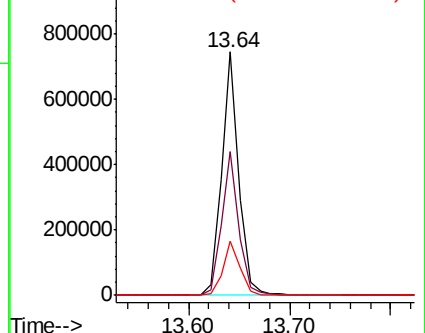
134 22.1 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 19.396 ug/l

RT: 13.85 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VD059911.D

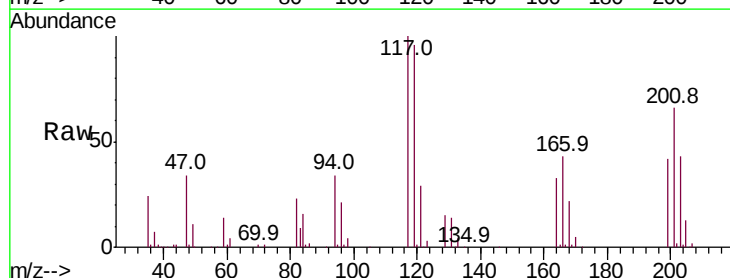
Acq: 27 Aug 2018 13:02

Tgt Ion: 117 Resp: 208236

Ion Ratio Lower Upper

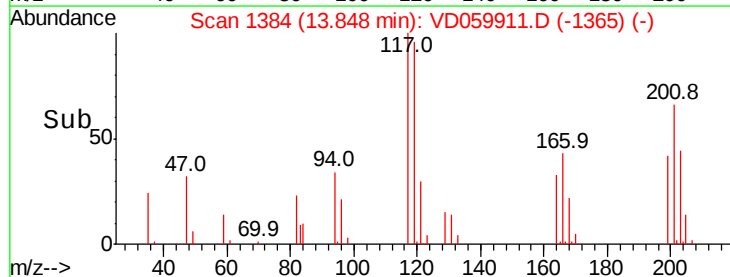
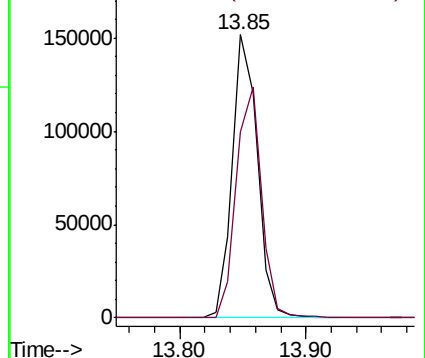
117 100

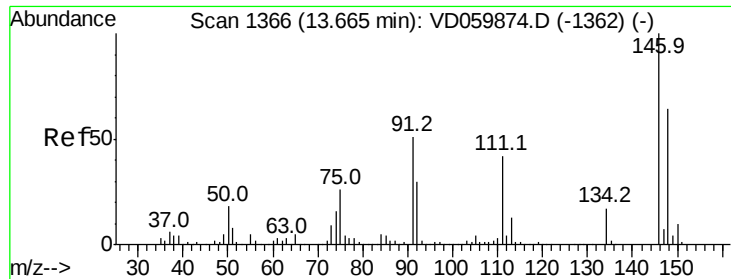
201 65.8 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 22.469 ug/l

RT: 13.65 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampled :

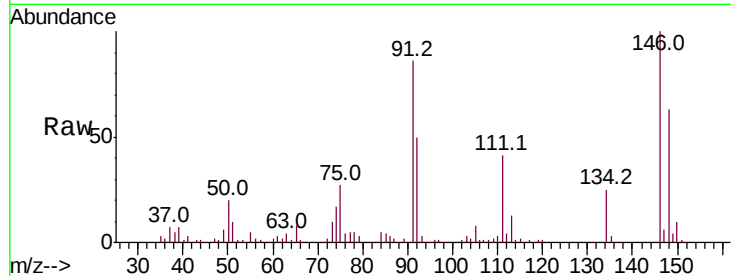
Tot Ion:146 Resp: 436529

Ion Ratio Lower Upper

146 100

111 41.5 21.1 63.1

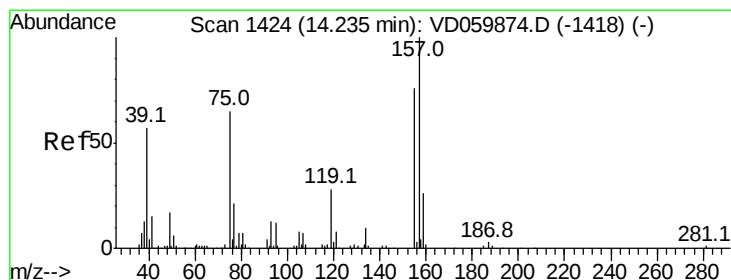
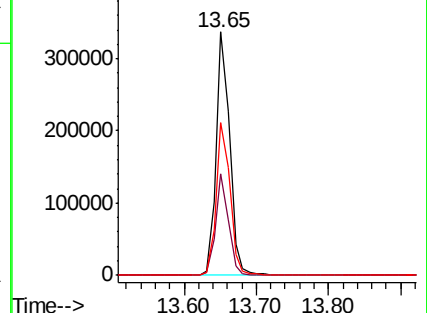
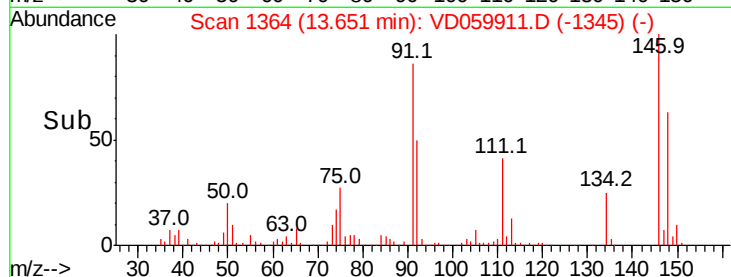
148 62.9 32.2 96.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.114 ug/l

RT: 14.22 min Scan# 1422

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

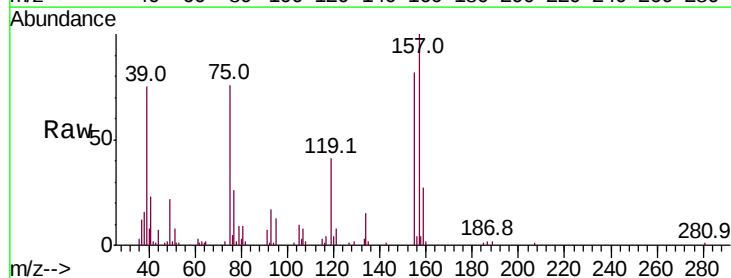
Tgt Ion: 75 Resp: 31378

Ion Ratio Lower Upper

75 100

155 108.4 58.2 174.6

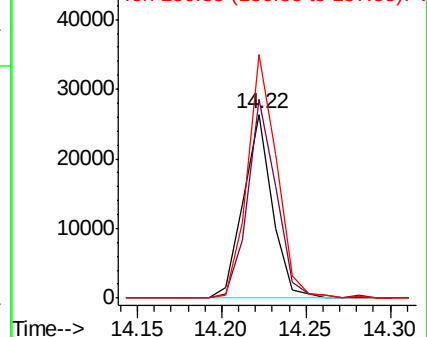
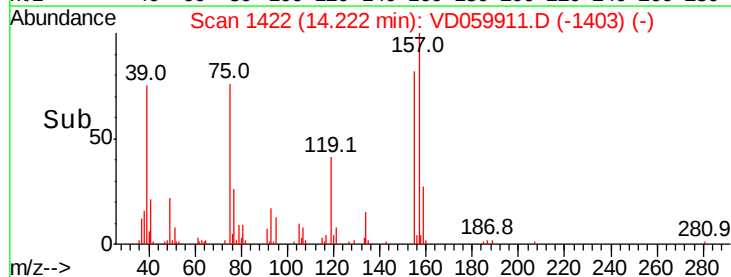
157 132.4 76.8 230.4

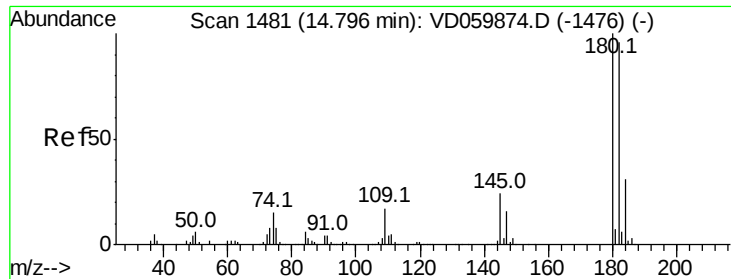


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

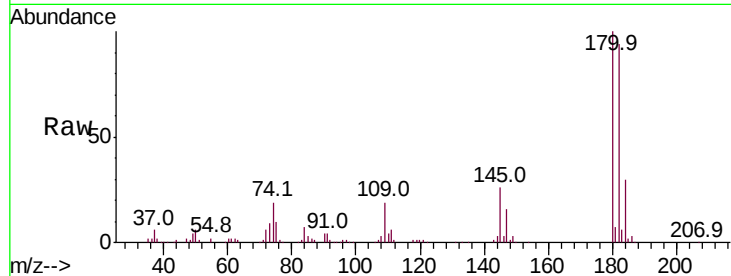




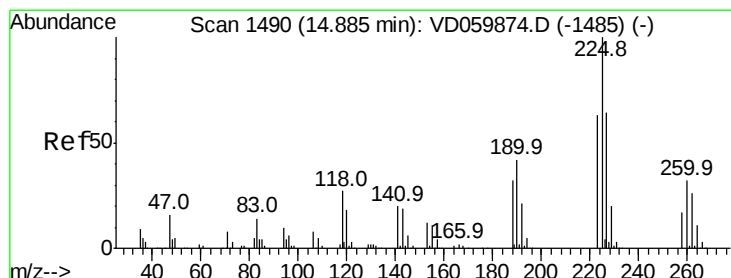
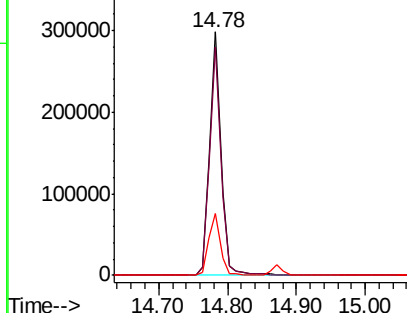
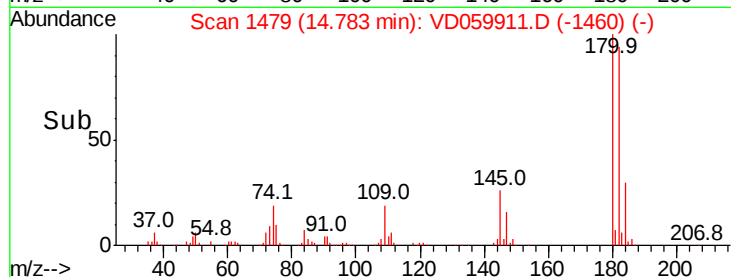
#93
 1,2,4-Trichlorobenzene
 Concen: 20.738 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 344971
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.9 143.7
 145 25.7 12.2 36.4

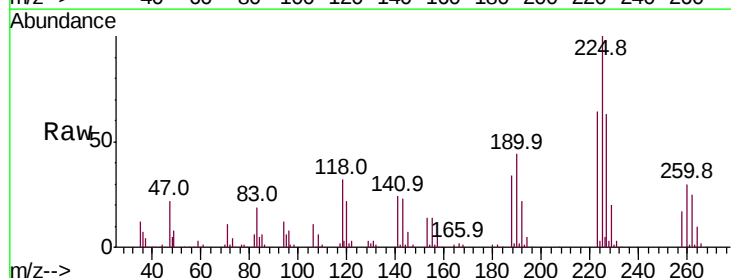


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

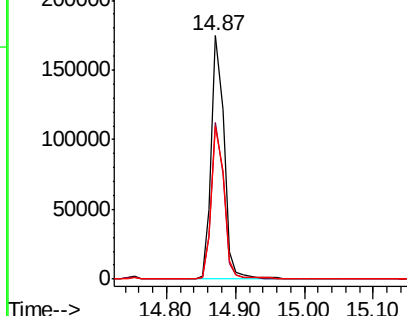
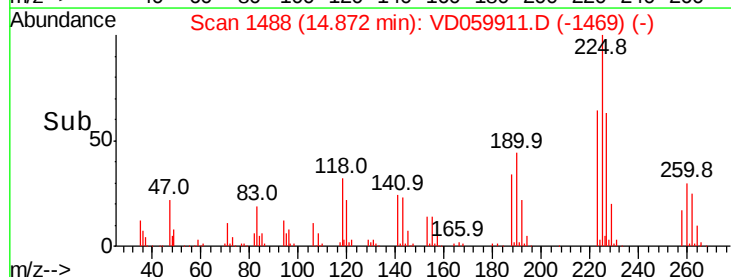


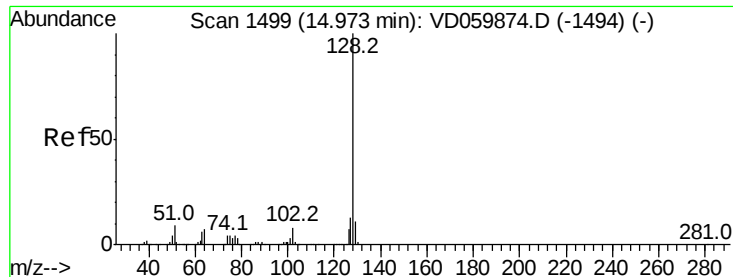
#94
 Hexachlorobutadiene
 Concen: 20.884 ug/l
 RT: 14.87 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion:225 Resp: 227717
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.6 94.8
 227 62.7 32.0 96.0



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

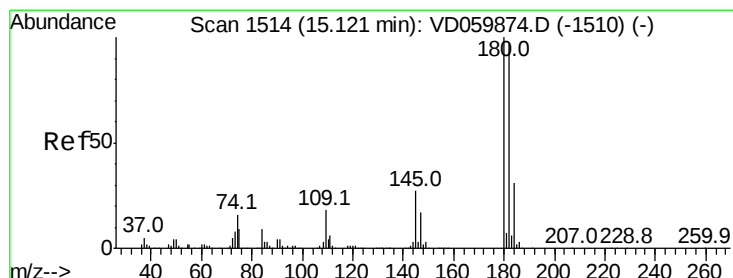
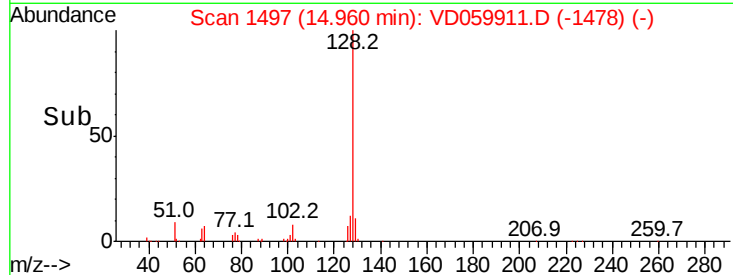
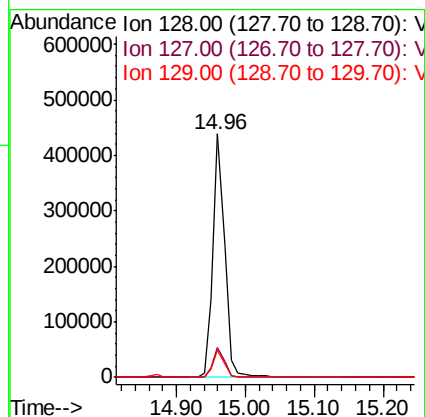
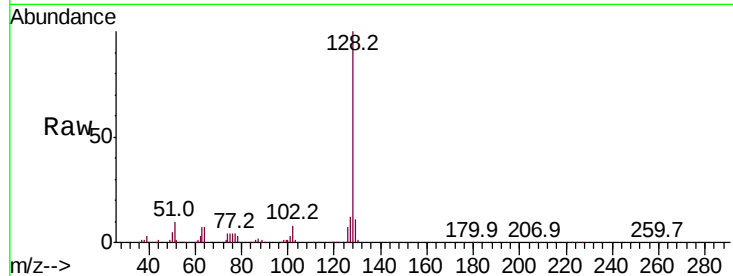




#95
Naphthalene
Concen: 20.591 ug/l
RT: 14.96 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 523418
Ion Ratio Lower Upper
128 100
127 12.4 10.0 15.0
129 11.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.106 ug/l
RT: 15.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion:180 Resp: 300269
Ion Ratio Lower Upper
180 100
182 93.3 48.6 145.8
145 27.8 13.6 40.8

