

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
 Data File : VD059908.D
 Acq On : 27 Aug 2018 11:14
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 27 14:49:47 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	1327748	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	1807546	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1487429	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	803782	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	552814	49.40	ug/l	-0.03
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	6.30	113	720587	50.85	ug/l	-0.03
Spiked Amount			Recovery	=	101.70%	
50) Toluene-d8	9.44	98	2019823	51.36	ug/l	-0.02
Spiked Amount			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.43	95	787614	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	558314	47.040	ug/l	96
3) Chloromethane	1.75	50	490820	45.650	ug/l	98
4) Vinyl Chloride	1.84	62	428494	50.826	ug/l	98
5) Bromomethane	2.13	94	64781	44.506	ug/l	95
6) Chloroethane	2.24	64	124278	44.346	ug/l	98
7) Trichlorofluoromethane	2.49	101	497959	51.056	ug/l	97
8) Diethyl Ether	2.81	74	111983	51.178	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	305015	51.065	ug/l	97
10) Methyl Iodide	3.22	142	309238	48.697	ug/l	99
11) Tert butyl alcohol	3.95	59	227427	266.342	ug/l	99
12) 1,1-Dichloroethene	3.06	96	238931	51.384	ug/l	98
13) Acrolein	2.97	56	81399	219.788	ug/l	95
14) Allyl chloride	3.51	41	534787	50.838	ug/l	96
15) Acrylonitrile	4.06	53	814955	254.863	ug/l	99
16) Acetone	3.15	43	607241	297.835	ug/l	99
17) Carbon Disulfide	3.29	76	736348	51.017	ug/l	100
18) Methyl Acetate	3.54	43	228077	53.587	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	1324769	50.362	ug/l	98
20) Methylene Chloride	3.70	84	697268	51.339	ug/l	98
21) trans-1,2-Dichloroethene	4.08	96	629456	49.132	ug/l	99
22) Diisopropyl ether	4.84	45	2727677	50.843	ug/l	98
23) Vinyl Acetate	4.79	43	7774918	259.244	ug/l	99
24) 1,1-Dichloroethane	4.74	63	1167873	50.389	ug/l	99
25) 2-Butanone	5.61	43	1707255	282.731	ug/l	97
26) 2,2-Dichloropropane	5.57	77	942824	48.661	ug/l	97
27) cis-1,2-Dichloroethene	5.58	96	703617	50.160	ug/l	99
28) Bromochloromethane	5.91	49	556215	50.073	ug/l	95
29) Tetrahydrofuran	5.94	42	751902	261.553	ug/l	99
30) Chloroform	6.09	83	1213496	51.519	ug/l	98
31) Cyclohexane	6.35	56	981217	46.050	ug/l	98
32) 1,1,1-Trichloroethane	6.27	97	1008045	50.425	ug/l	98
36) 1,1-Dichloropropene	6.51	75	823900	50.282	ug/l	98
37) Ethyl Acetate	5.68	43	646919	50.737	ug/l	99
38) Carbon Tetrachloride	6.48	117	819335	49.549	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.03	83	900255	50.853	ug/l	99
40) Benzene	6.78	78	2216241	52.017	ug/l	100
41) Methacrylonitrile	5.93	41	749421	116.681	ug/l #	83
42) 1,2-Dichloroethane	6.88	62	706376	51.645	ug/l	98
43) Isopropyl Acetate	8.34	43	874423	52.714	ug/l	100
44) Trichloroethene	7.73	130	639661	50.991	ug/l	97
45) 1,2-Dichloropropane	8.10	63	627145	52.661	ug/l	97
46) Dibromomethane	8.20	93	397400	51.898	ug/l	96
47) Bromodichloromethane	8.48	83	903980	52.148	ug/l	100
48) Methyl methacrylate	8.23	41	501651	51.879	ug/l	99
49) 1,4-Dioxane	8.21	88	92962	1076.825	ug/l #	91
51) 4-Methyl-2-Pentanone	9.33	43	3408832	275.646	ug/l	100
52) Toluene	9.54	92	1401656	51.305	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	839757	52.375	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	969804	52.168	ug/l	100
55) 1,1,2-Trichloroethane	10.17	97	488412	48.907	ug/l	97
56) Ethyl methacrylate	10.02	69	597942	51.881	ug/l	99
57) 1,3-Dichloropropane	10.38	76	755227	52.250	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1454657	263.100	ug/l	98
59) 2-Hexanone	10.49	43	2573477	282.135	ug/l	99
60) Dibromochloromethane	10.63	129	664734	52.958	ug/l	99
61) 1,2-Dibromoethane	10.75	107	526464	52.138	ug/l	98
64) Tetrachloroethene	10.24	164	596084	51.828	ug/l	99
65) Chlorobenzene	11.30	112	1559240	52.752	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	560174	51.874	ug/l	99
67) Ethyl Benzene	11.42	91	2530702	50.892	ug/l	98
68) m/p-Xylenes	11.56	106	1880356	103.857	ug/l	100
69) o-Xylene	11.93	106	944764	53.353	ug/l	99
70) Styrene	11.95	104	1604173	52.319	ug/l	100
71) Bromoform	12.11	173	504555	54.001	ug/l	98
73) Isopropylbenzene	12.27	105	2547112	49.643	ug/l	100
74) N-amyl acetate	12.13	43	1136207	50.574	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	620664	52.297	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	645297	51.654	ug/l	100
77) Bromobenzene	12.53	156	746097	52.447	ug/l	96
78) n-propylbenzene	12.63	91	3175809	48.881	ug/l	100
79) 2-Chlorotoluene	12.70	91	1837053	49.998	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	2012248	49.329	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	191920	49.387	ug/l	99
82) 4-Chlorotoluene	12.81	91	2055331	49.043	ug/l	99
83) tert-Butylbenzene	13.04	119	2346502	50.496	ug/l	100
84) 1,2,4-Trimethylbenzene	13.08	105	2141253	50.361	ug/l	98
85) sec-Butylbenzene	13.21	105	2756796	50.447	ug/l	99
86) p-Isopropyltoluene	13.34	119	2251607	50.663	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	1277785	50.312	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1299890	51.300	ug/l	99
89) n-Butylbenzene	13.65	91	2215971	52.908	ug/l	100
90) Hexachloroethane	13.85	117	594684	49.834	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1114904	51.628	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	92991	50.962	ug/l	96

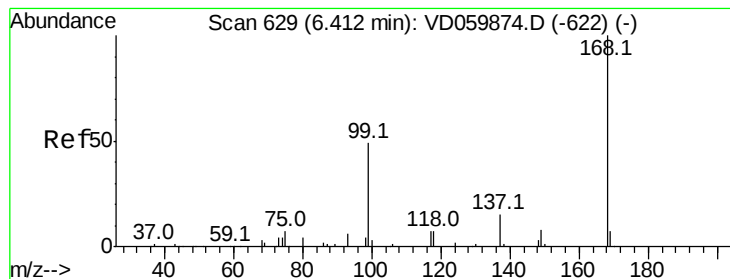
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	948702	51.309	ug/l	98
94) Hexachlorobutadiene	14.88	225	629021	51.898	ug/l	100
95) Naphthalene	14.96	128	1492942	52.836	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	806932	51.027	ug/l	100

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

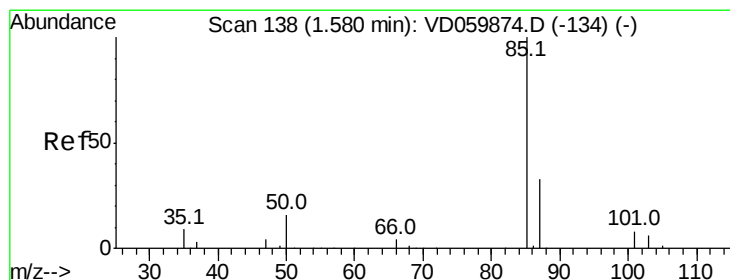
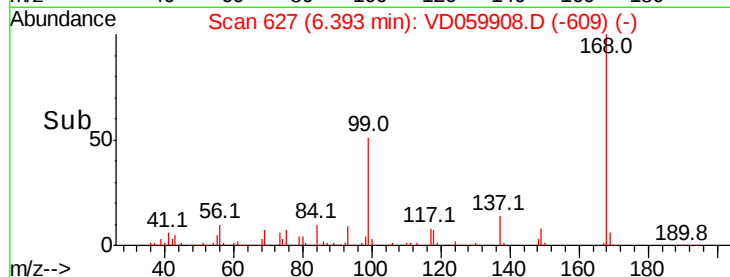
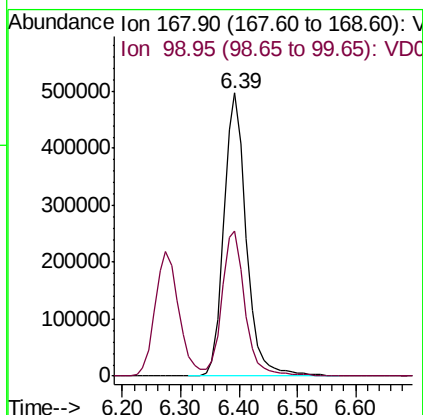
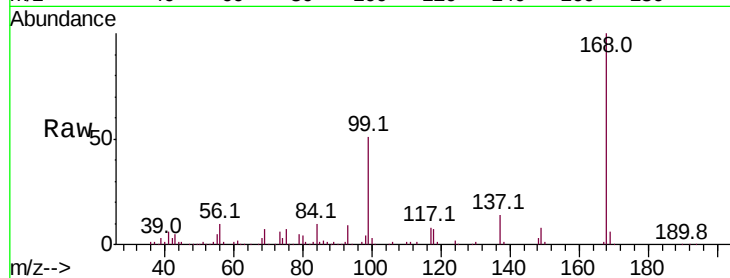


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.39 min Scan# 627
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampleId :

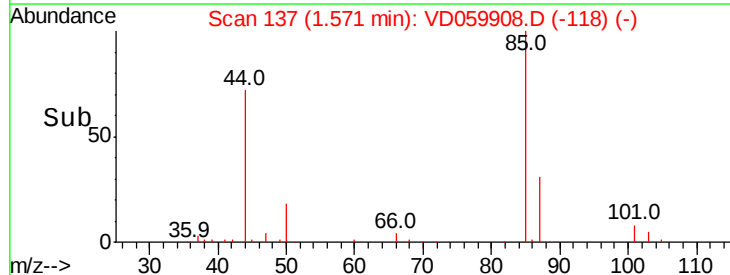
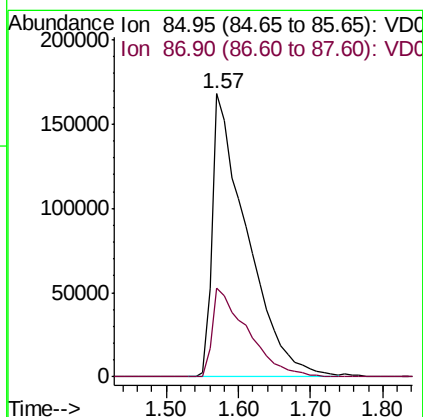
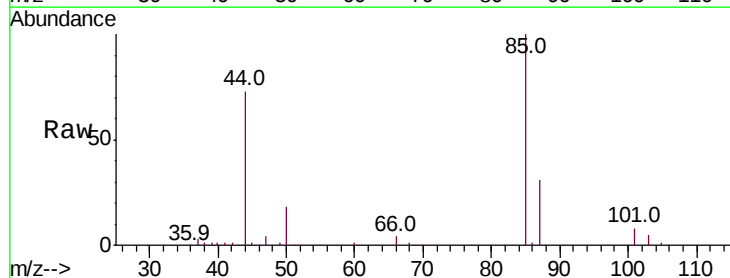
Tot Ion:168 Resp: 1327748
 Ion Ratio Lower Upper
 168 100
 99 51.2 42.2 63.2

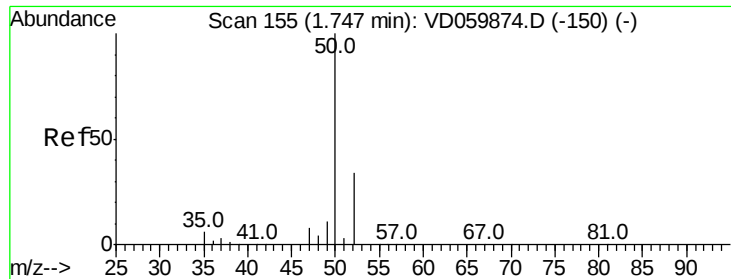


#2

Dichlorodifluoromethane
 Concen: 47.040 ug/l
 RT: 1.57 min Scan# 137
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion: 85 Resp: 558314
 Ion Ratio Lower Upper
 85 100
 87 31.3 16.8 50.3





#3

Chloromethane

Concen: 45.650 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

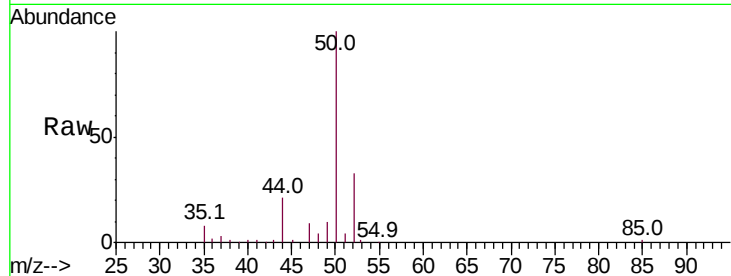
ClientSampleId :

Tot Ion: 50 Resp: 490820

Ion Ratio Lower Upper

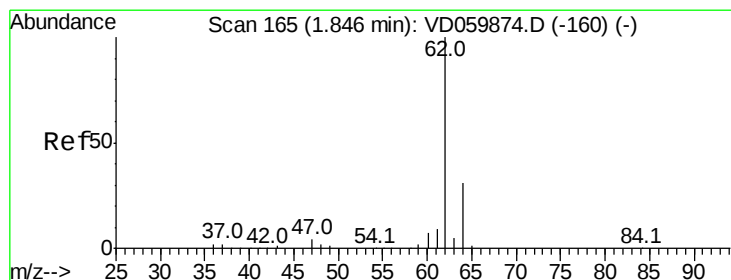
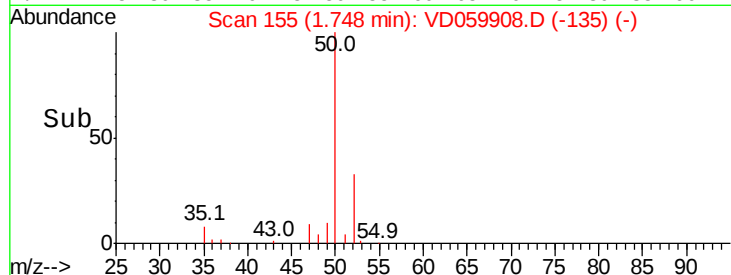
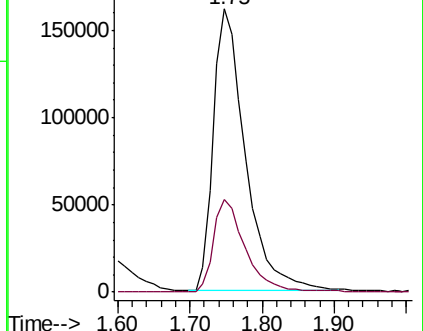
50 100

52 32.8 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: 50.826 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059908.D

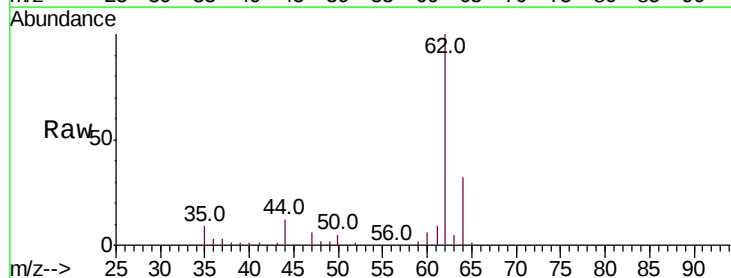
Acq: 27 Aug 2018 11:14

Tgt Ion: 62 Resp: 428494

Ion Ratio Lower Upper

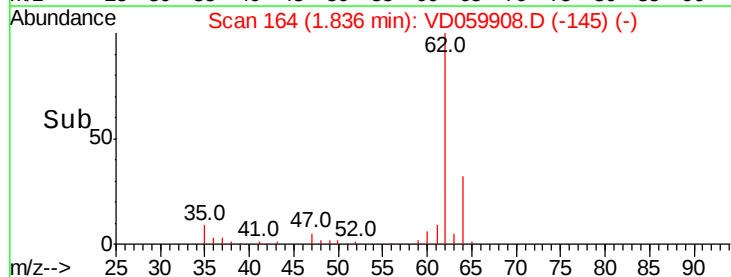
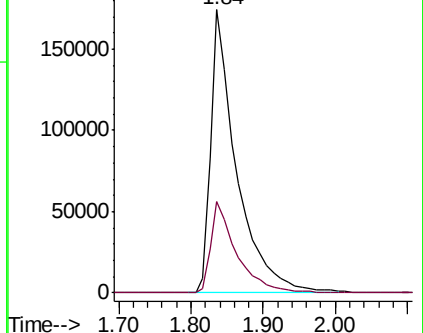
62 100

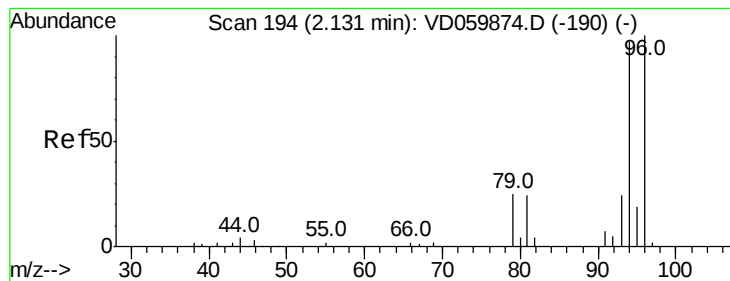
64 32.4 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 44.506 ug/l

RT: 2.13 min Scan# 194

Delta R.T. 0.00 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

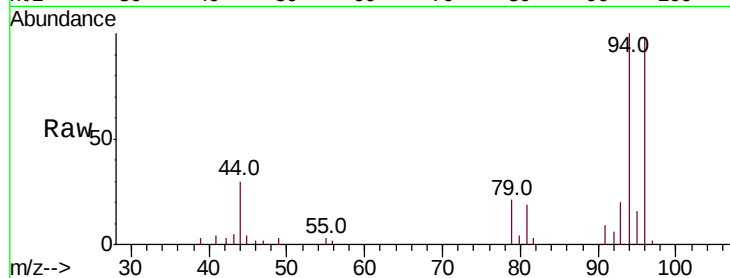
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 64781

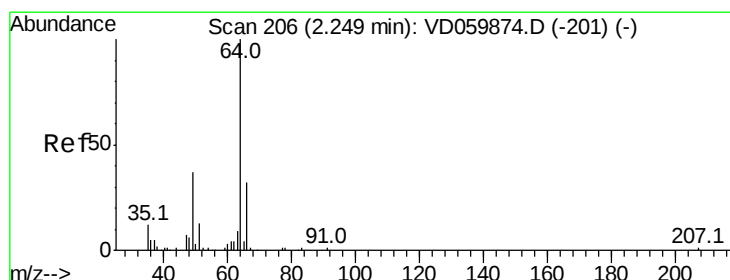
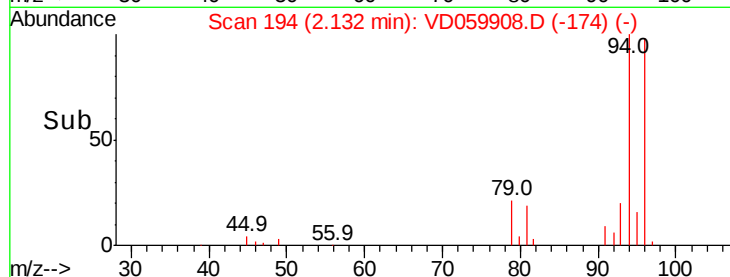
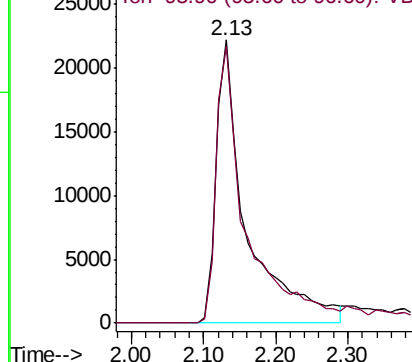
Ion Ratio Lower Upper

94 100

96 98.0 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: 44.346 ug/l

RT: 2.24 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD059908.D

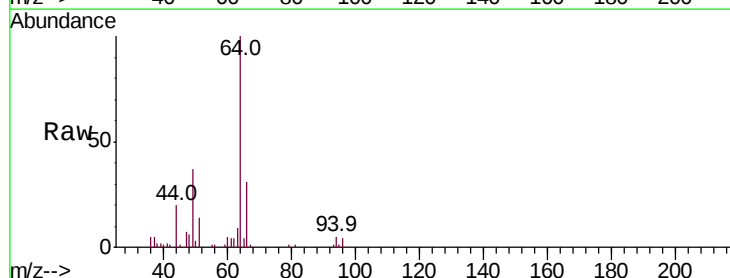
Acq: 27 Aug 2018 11:14

Tgt Ion: 64 Resp: 124278

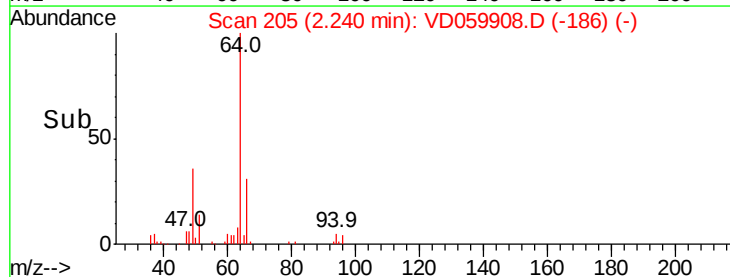
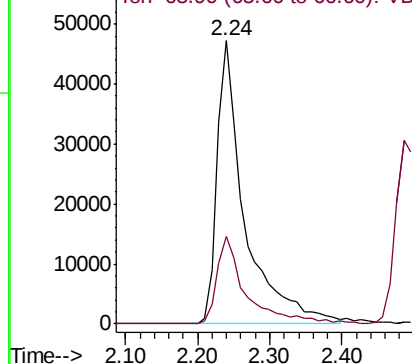
Ion Ratio Lower Upper

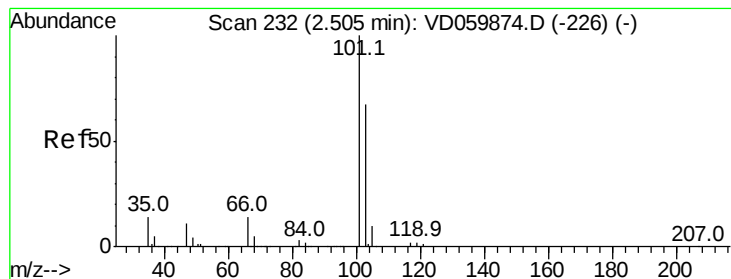
64 100

66 30.7 25.3 37.9



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



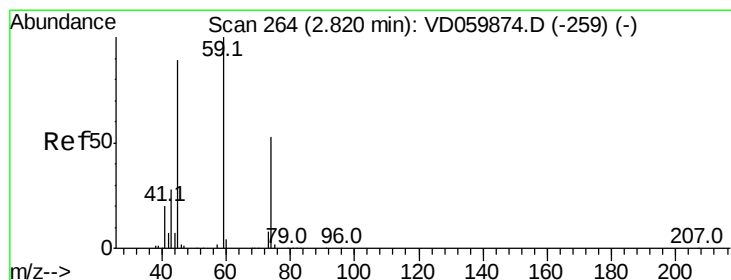
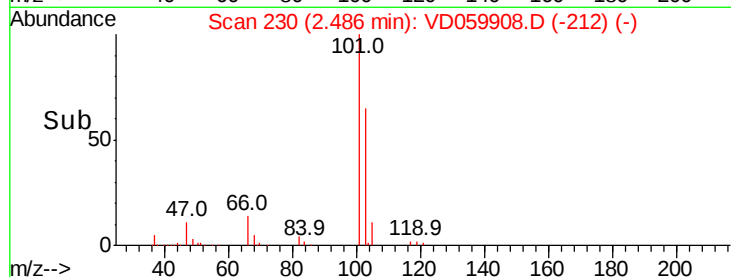
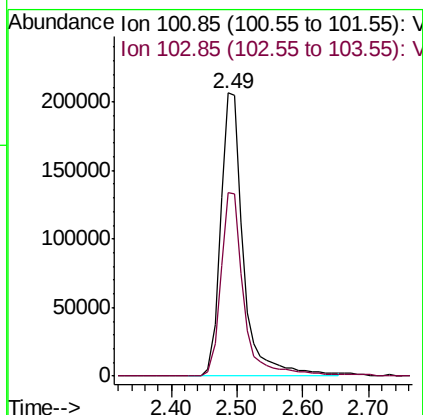
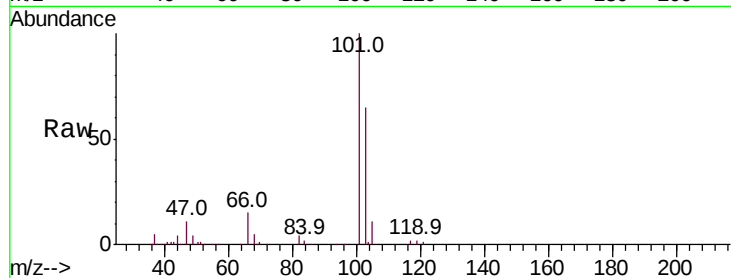


#7

Trichlorofluoromethane
 Concen: 51.056 ug/l
 RT: 2.49 min Scan# 230
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampleId :

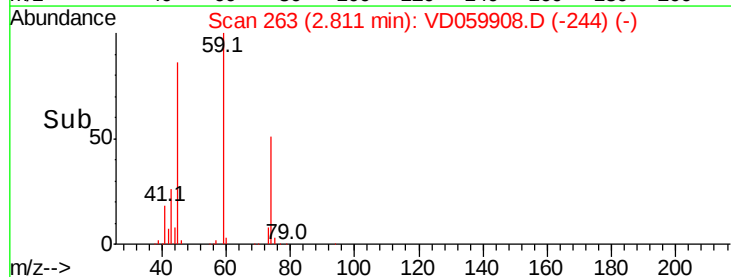
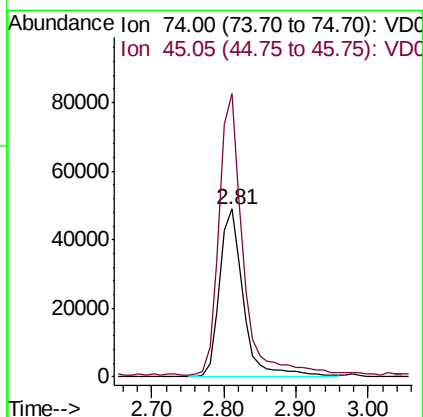
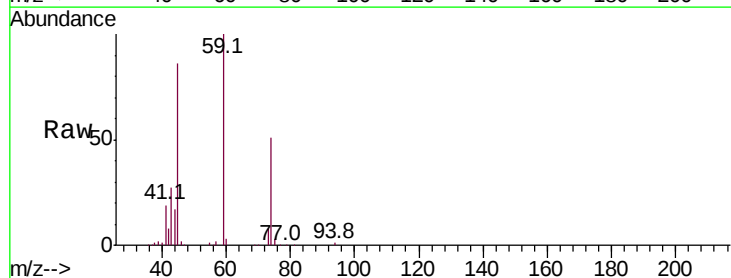
Tot Ion:101 Resp: 497959
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.7 80.5

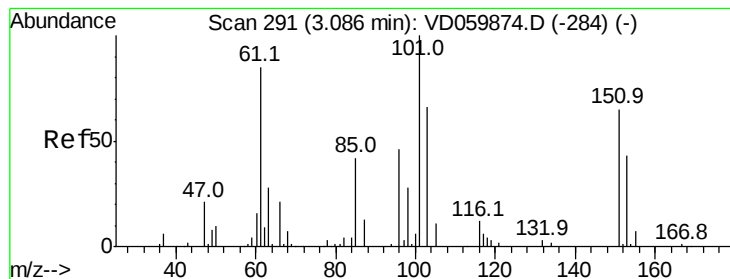


#8

Diethyl Ether
 Concen: 51.178 ug/l
 RT: 2.81 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion: 74 Resp: 111983
 Ion Ratio Lower Upper
 74 100
 45 168.7 85.7 257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.065 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

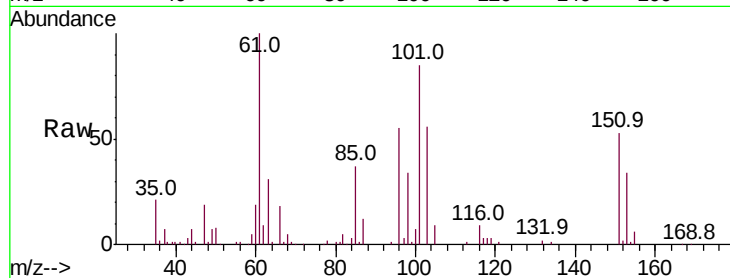
Tot Ion:101 Resp: 305015

Ion Ratio Lower Upper

101 100

85 43.7 33.6 50.4

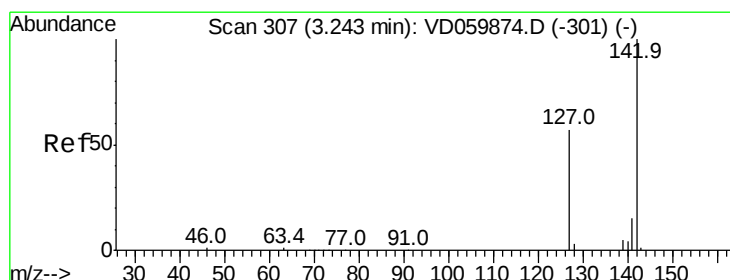
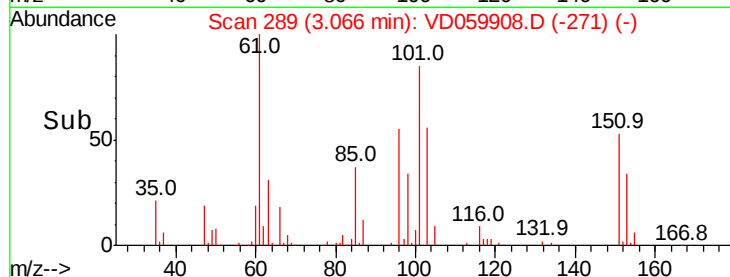
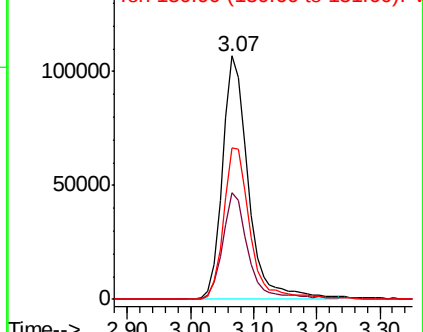
151 62.0 52.0 78.0



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: 48.697 ug/l

RT: 3.22 min Scan# 305

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

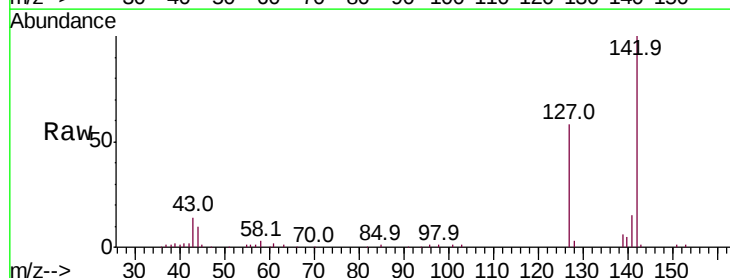
Tgt Ion:142 Resp: 309238

Ion Ratio Lower Upper

142 100

127 58.3 45.8 68.6

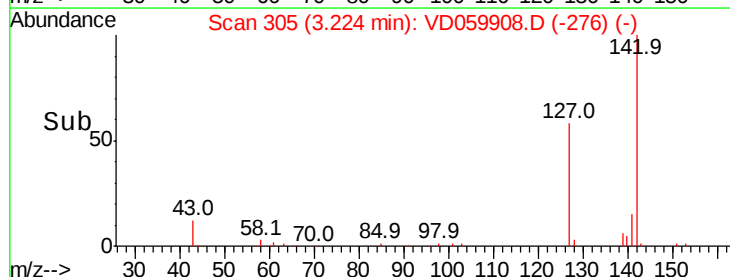
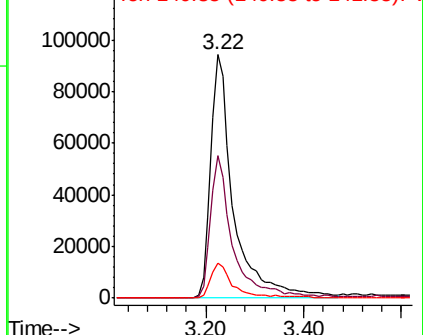
141 14.6 11.6 17.4

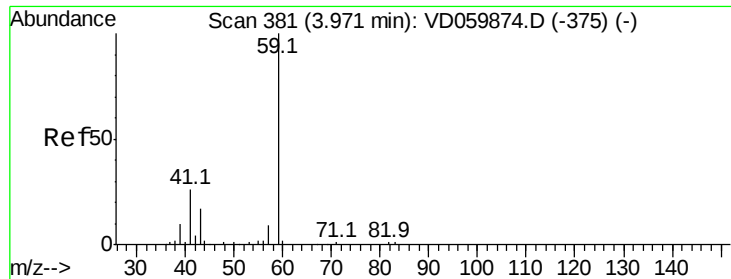


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



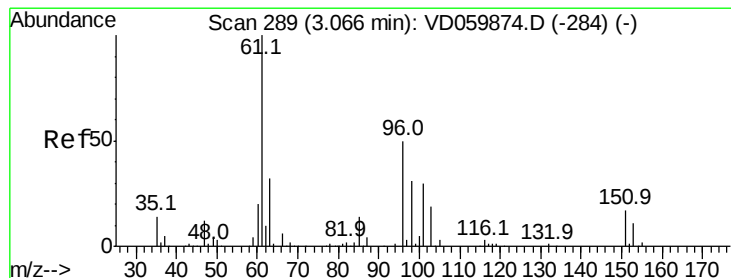
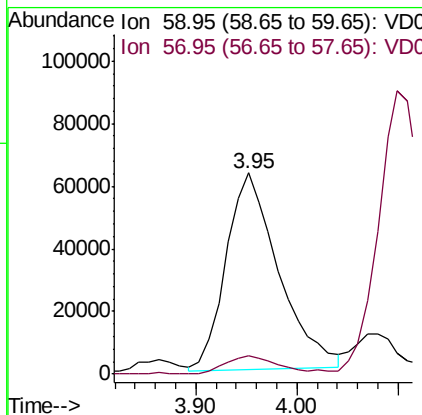
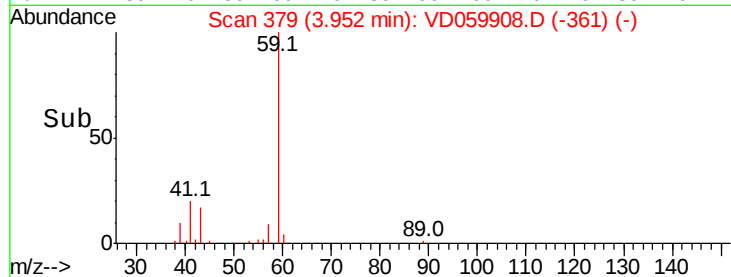
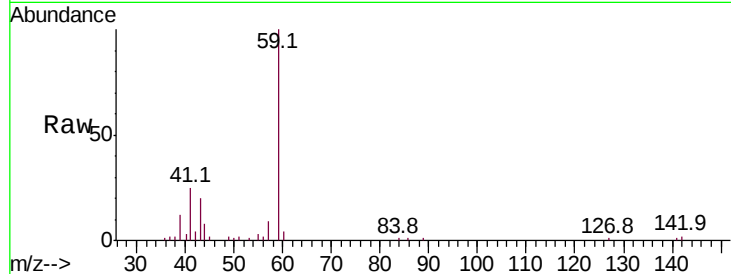


#11

Tert butyl alcohol
Concen: 266.342 ug/l
RT: 3.95 min Scan# 379
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampled :

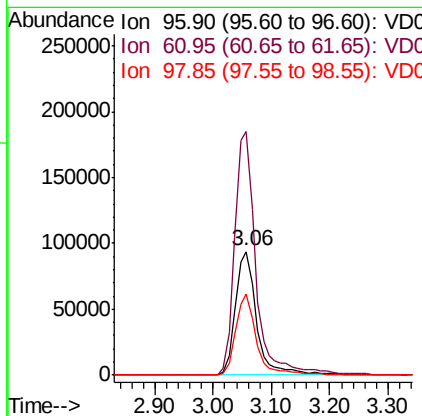
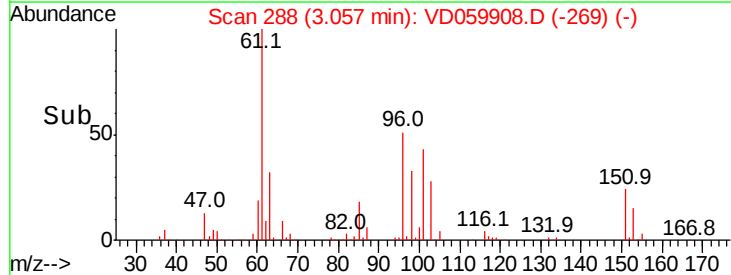
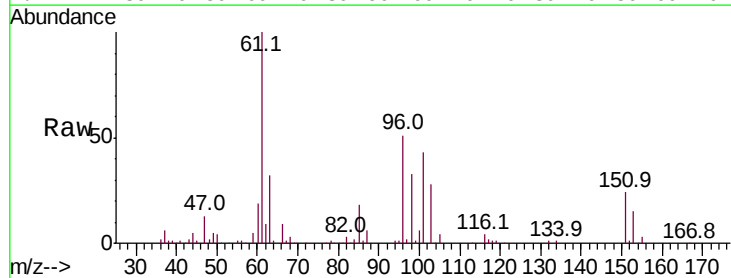
Tot Ion: 59 Resp: 227427
Ion Ratio Lower Upper
59 100
57 9.0 7.4 11.0

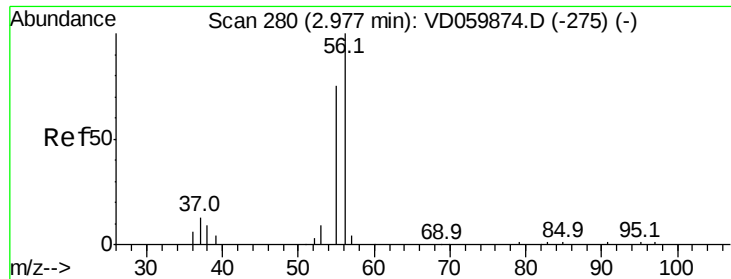


#12

1,1-Dichloroethene
Concen: 51.384 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion: 96 Resp: 238931
Ion Ratio Lower Upper
96 100
61 196.7 158.8 238.2
98 65.0 48.7 73.1





#13

Acrolein

Concen: 219.788 ug/l

RT: 2.97 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

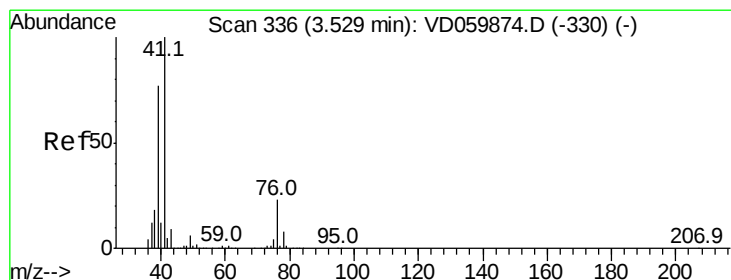
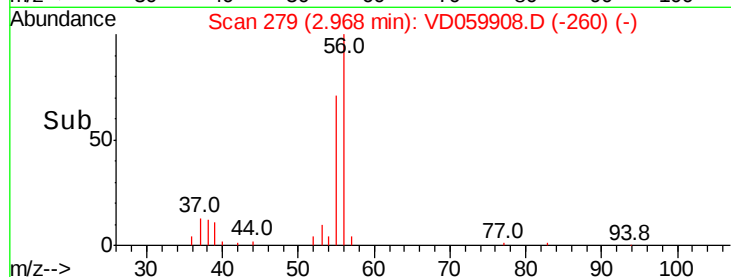
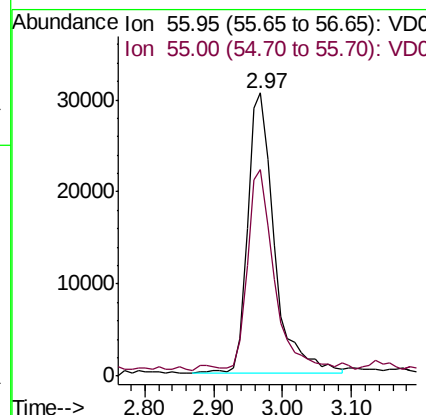
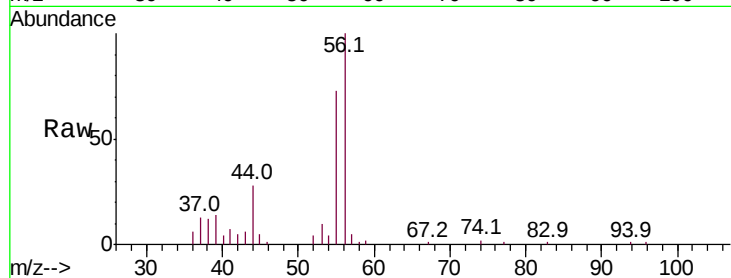
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 81399

Ion Ratio Lower Upper

56 100

55 73.1 61.9 92.9



#14

Allyl chloride

Concen: 50.838 ug/l

RT: 3.51 min Scan# 334

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

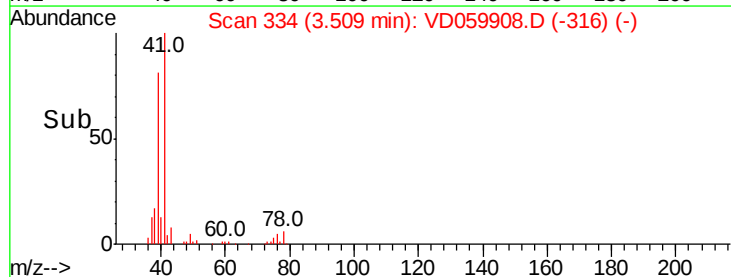
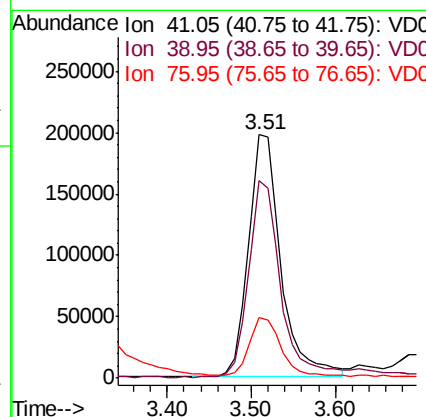
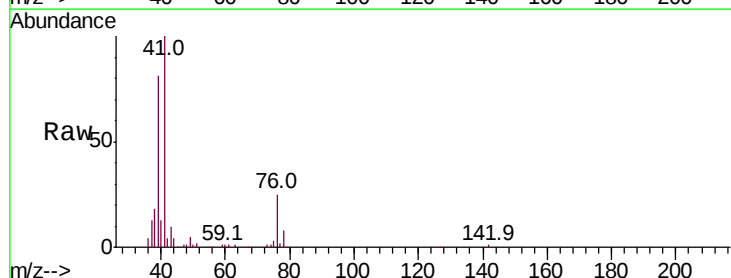
Tgt Ion: 41 Resp: 534787

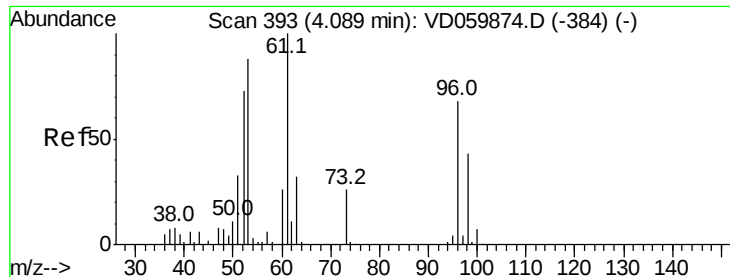
Ion Ratio Lower Upper

41 100

39 81.1 61.8 92.6

76 24.8 19.4 29.2





#15

Acrylonitrile

Concen: 254.863 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleID :

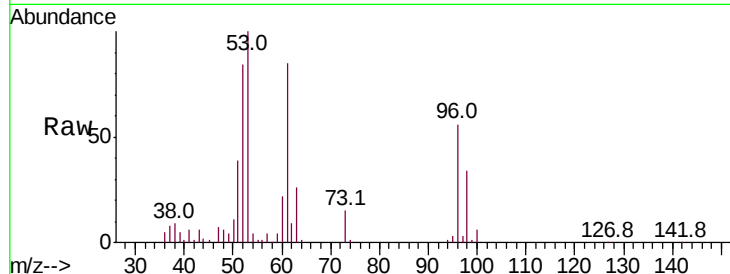
Tot Ion: 53 Resp: 814955

Ion Ratio Lower Upper

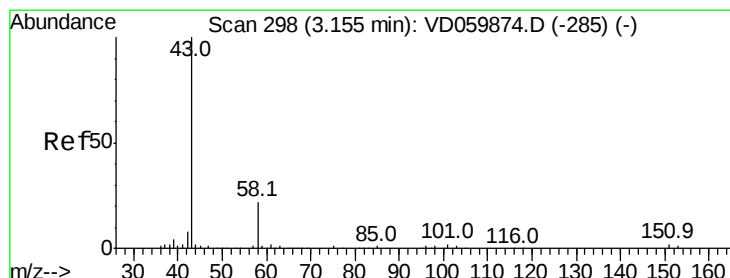
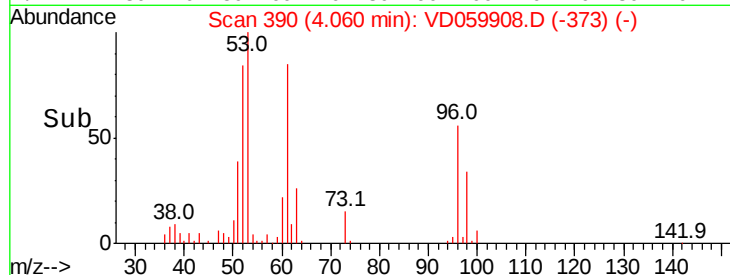
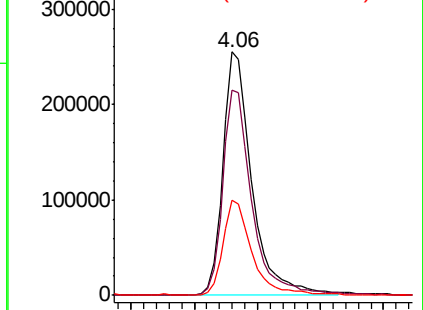
53 100

52 84.2 66.9 100.3

51 38.8 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: 297.835 ug/l

RT: 3.15 min Scan# 297

Delta R.T. -0.01 min

Lab File: VD059908.D

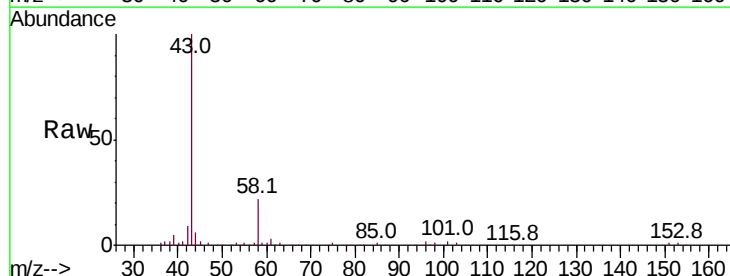
Acq: 27 Aug 2018 11:14

Tgt Ion: 43 Resp: 607241

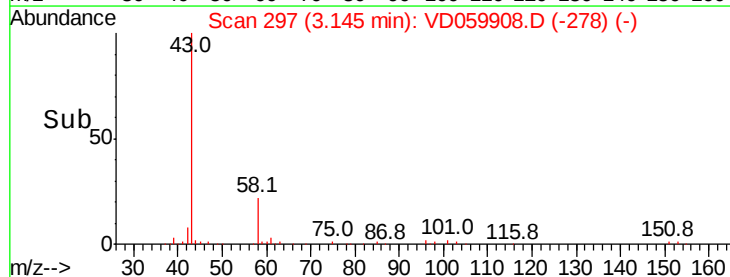
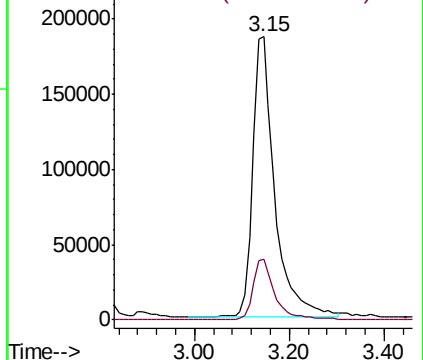
Ion Ratio Lower Upper

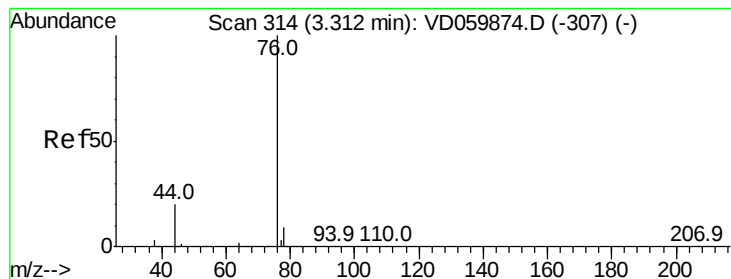
43 100

58 21.5 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: 51.017 ug/l

RT: 3.29 min Scan# 312

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

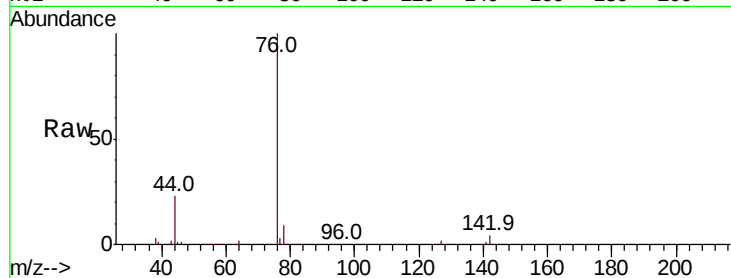
ClientSampleId :

Tot Ion: 76 Resp: 736348

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.29

300000

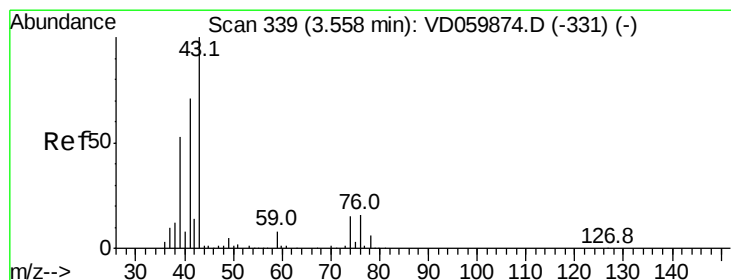
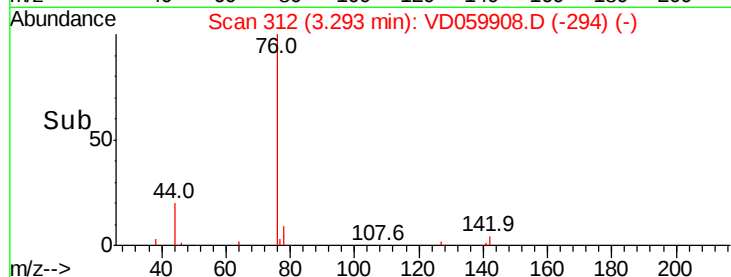
200000

100000

0

Time-->

3.20 3.30 3.40 3.50



#18

Methyl Acetate

Concen: 53.587 ug/l

RT: 3.54 min Scan# 337

Delta R.T. -0.02 min

Lab File: VD059908.D

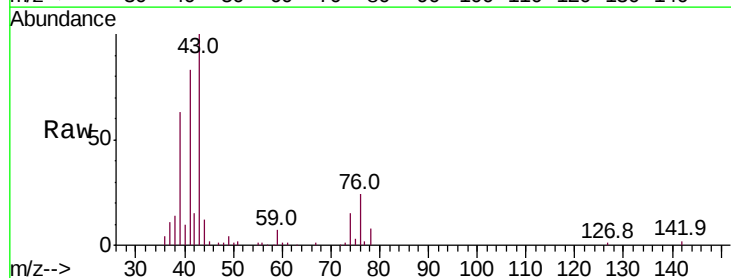
Acq: 27 Aug 2018 11:14

Tgt Ion: 43 Resp: 228077

Ion Ratio Lower Upper

43 100

74 14.7 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.54

100000

80000

60000

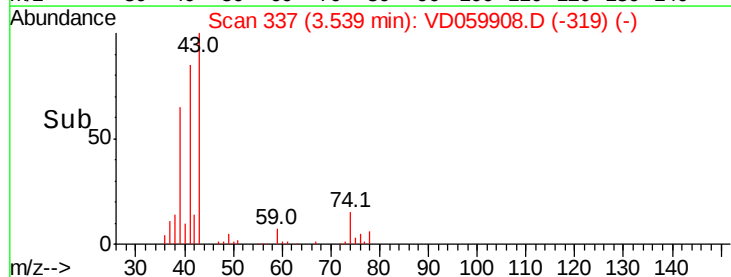
40000

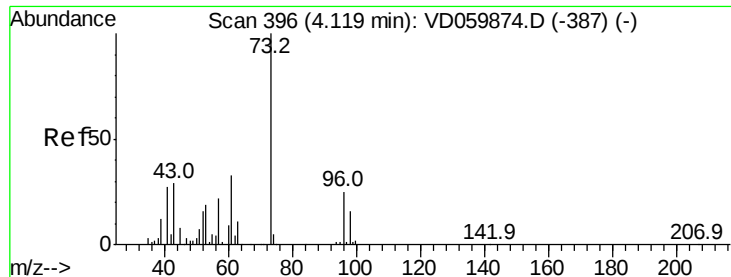
20000

0

Time-->

3.40 3.50 3.60

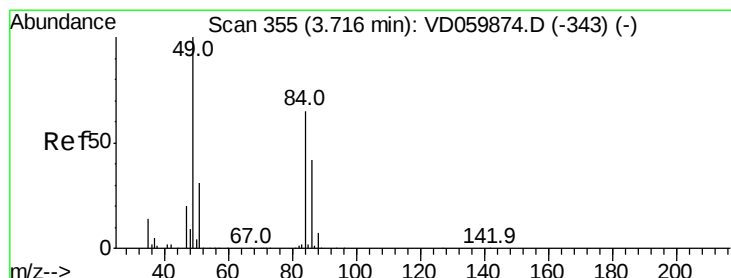
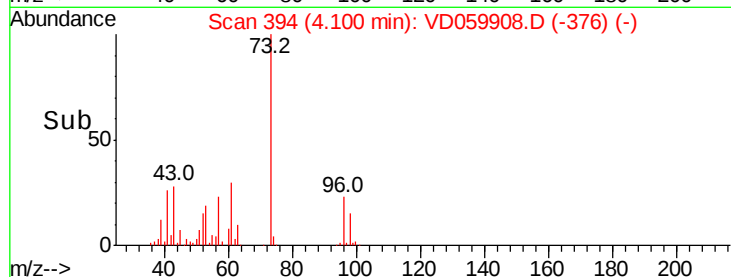
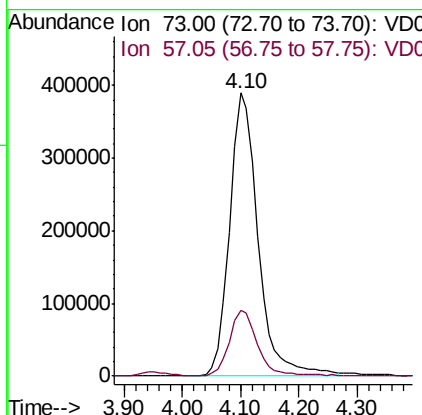
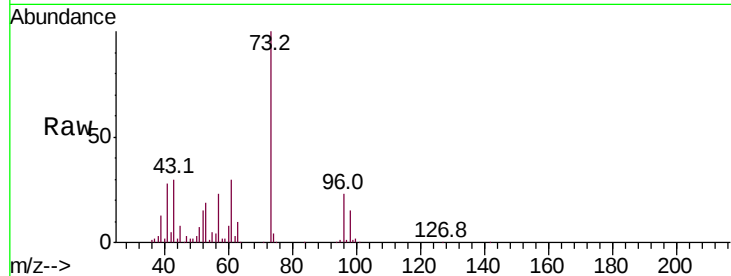




#19
Methvl tert-butvl Ether
Concen: 50.362 ug/l
RT: 4.10 min Scan# 394
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

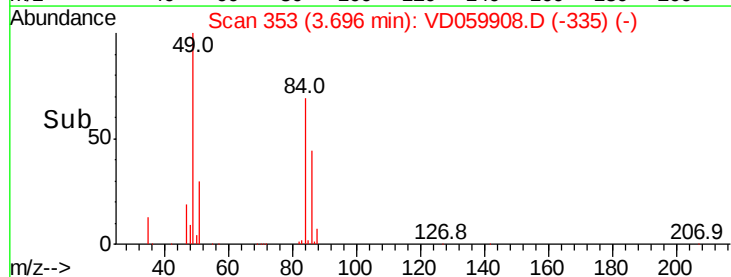
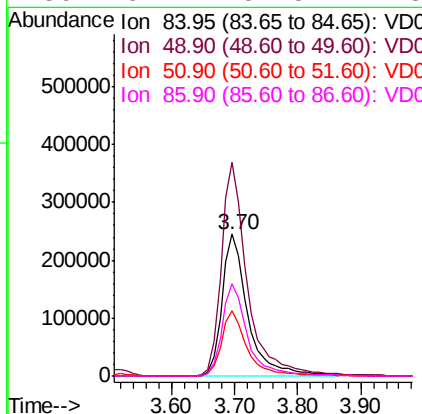
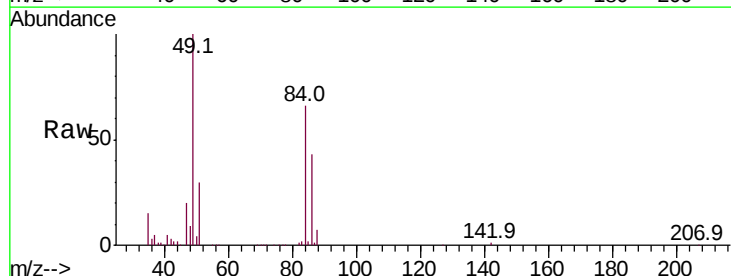
Instrument :
MSVOA_D
ClientSampleId :

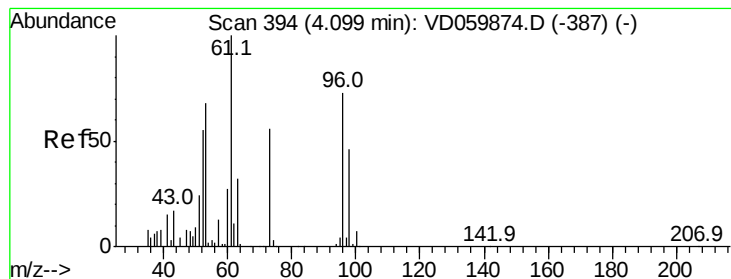
Tot Ion: 73 Resp: 1324769
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9



#20
Methylene Chloride
Concen: 51.339 ug/l
RT: 3.70 min Scan# 353
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion: 84 Resp: 697268
Ion Ratio Lower Upper
84 100
49 150.4 122.6 183.8
51 45.8 38.4 57.6
86 64.7 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.132 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampled :

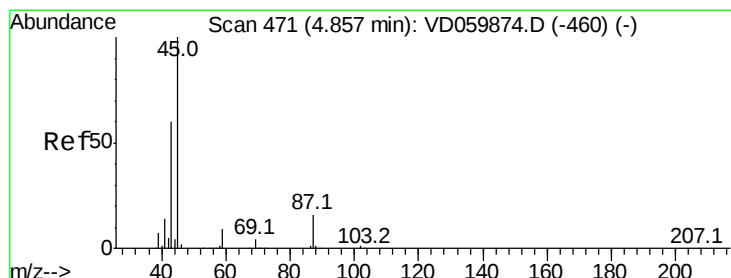
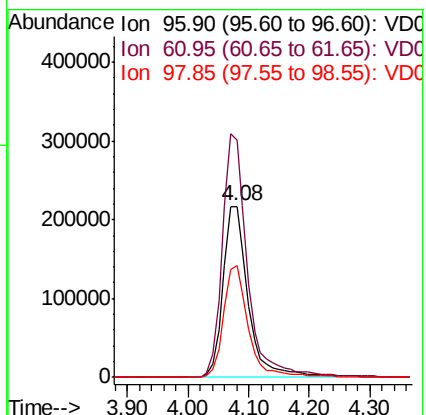
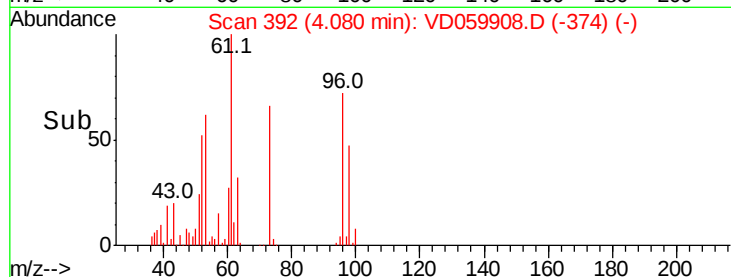
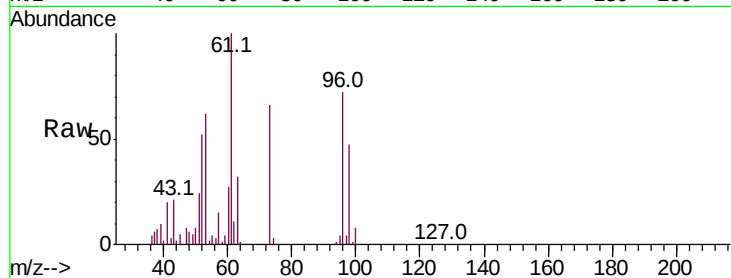
Tot Ion: 96 Resp: 629456

Ion Ratio Lower Upper

96 100

61 138.6 110.2 165.4

98 65.1 50.9 76.3



#22

Diisopropyl ether

Concen: 50.843 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Tgt Ion: 45 Resp: 2727677

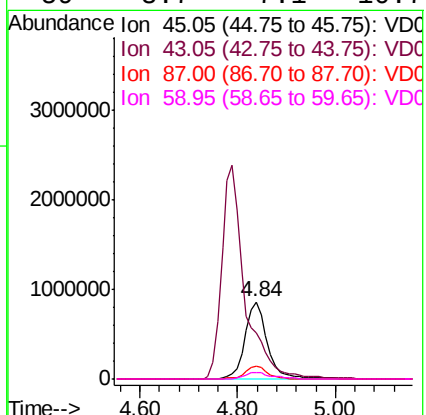
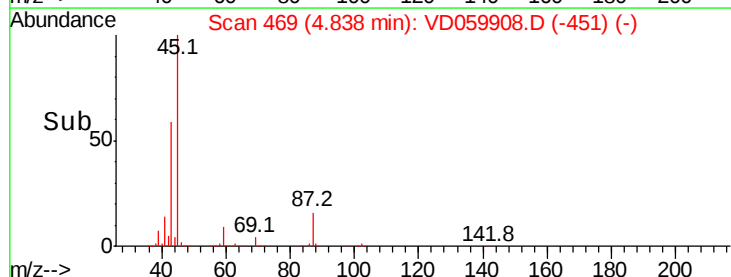
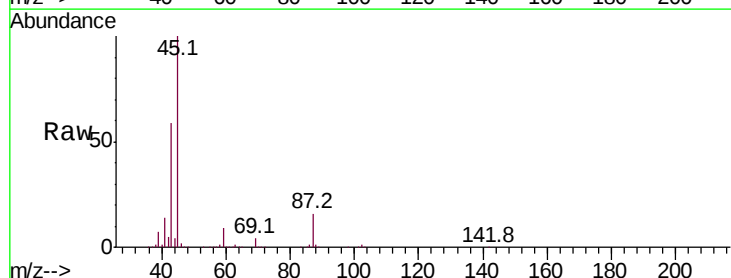
Ion Ratio Lower Upper

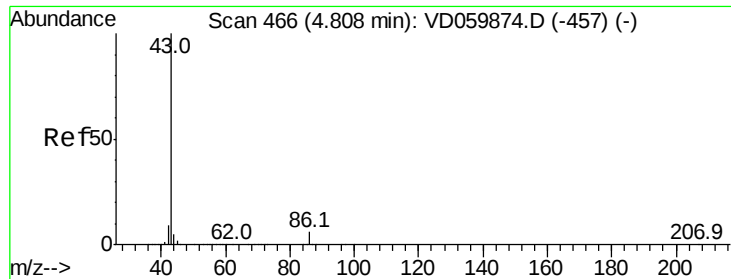
45 100

43 59.2 48.6 72.8

87 16.4 13.3 19.9

59 8.7 7.1 10.7





#23

Vinyl Acetate

Concen: 259.244 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

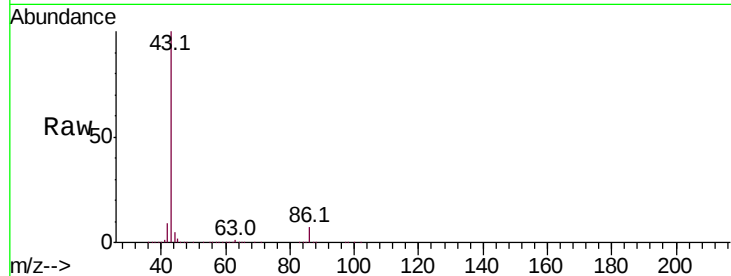
ClientSampleId :

Tot Ion: 43 Resp: 7774918

Ion Ratio Lower Upper

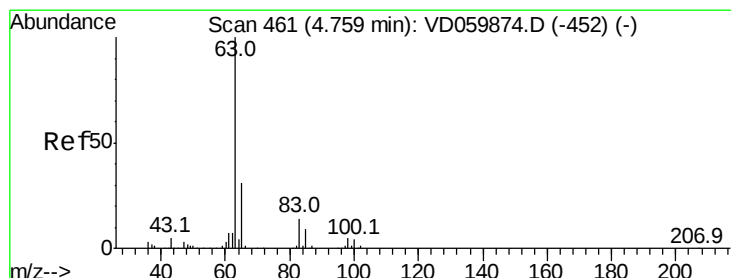
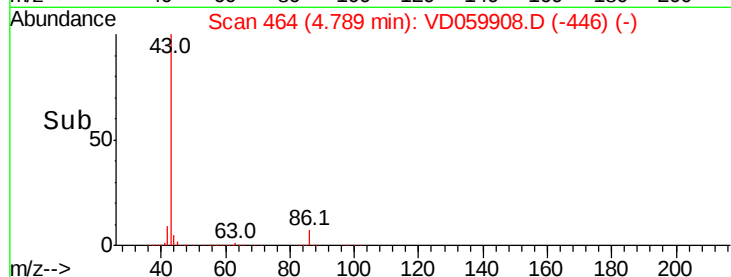
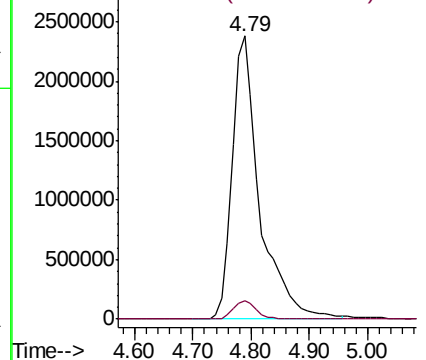
43 100

86 6.6 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.389 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

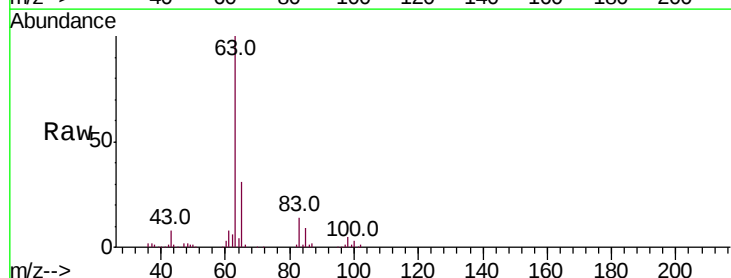
Tgt Ion: 63 Resp: 1167873

Ion Ratio Lower Upper

63 100

98 5.1 2.7 8.1

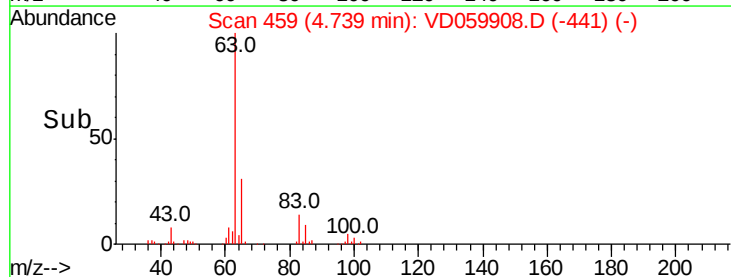
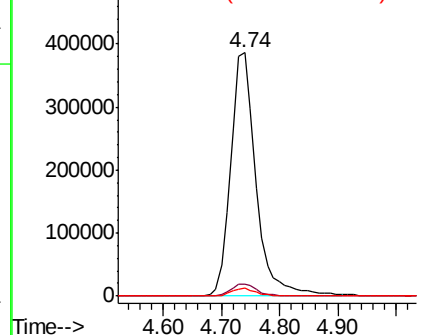
100 3.5 1.8 5.3

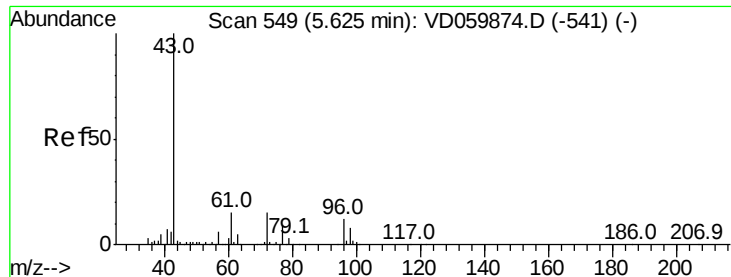


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 282.731 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

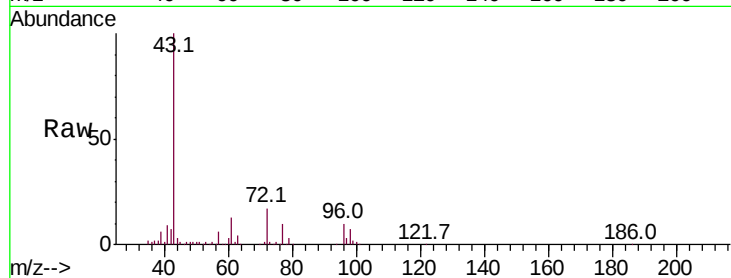
ClientSampleId :

Tot Ion: 43 Resp: 1707255

Ion Ratio Lower Upper

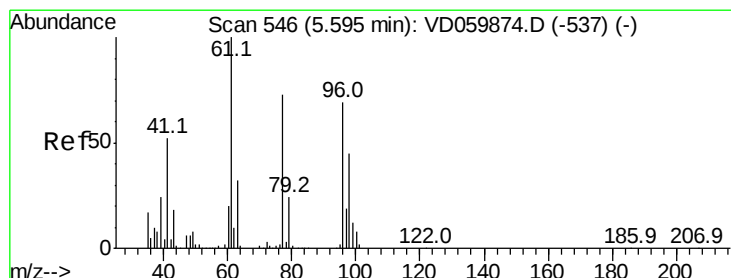
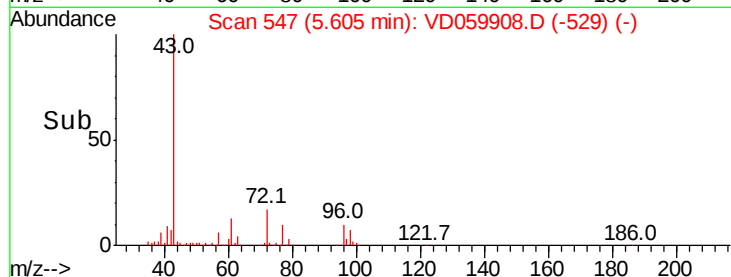
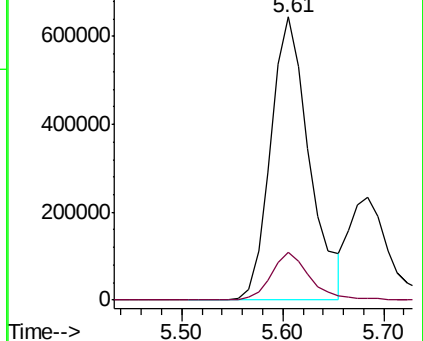
43 100

72 16.8 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: 48.661 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.03 min

Lab File: VD059908.D

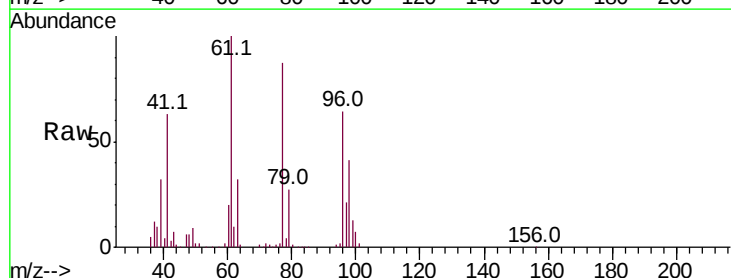
Acq: 27 Aug 2018 11:14

Tgt Ion: 77 Resp: 942824

Ion Ratio Lower Upper

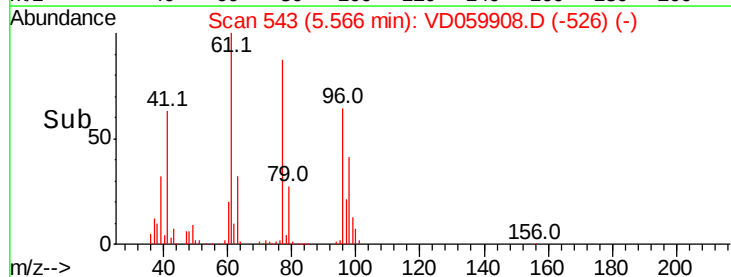
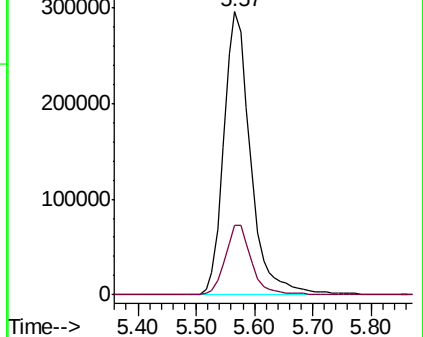
77 100

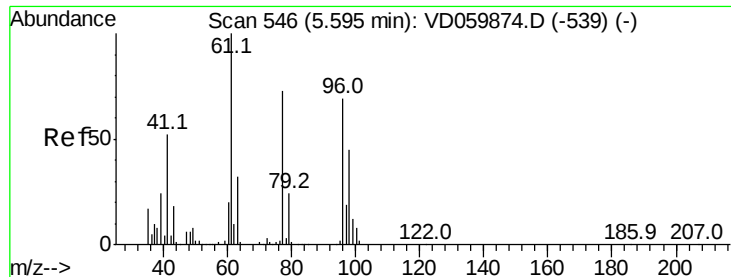
97 24.6 13.0 38.9



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: 50.160 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

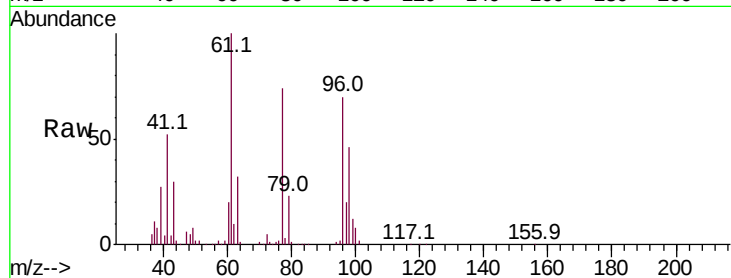
Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 703617

Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	290.2
98	65.6	0.0	130.4

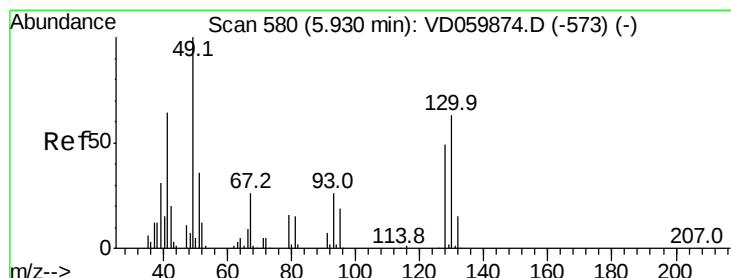
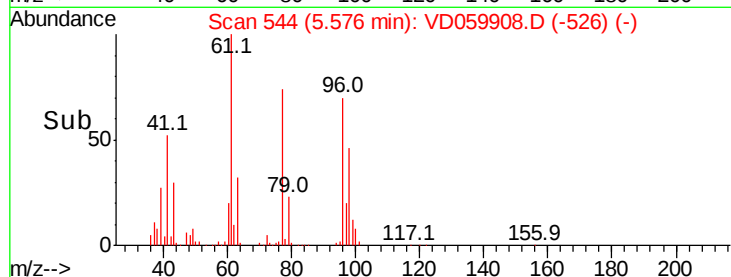
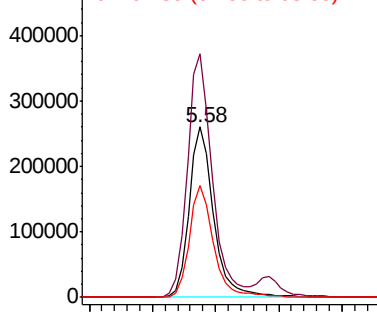


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 50.073 ug/l

RT: 5.91 min Scan# 578

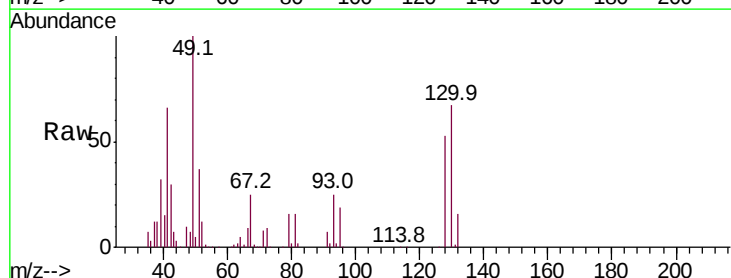
Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Tgt Ion: 49 Resp: 556215

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	66.9	50.6	75.8

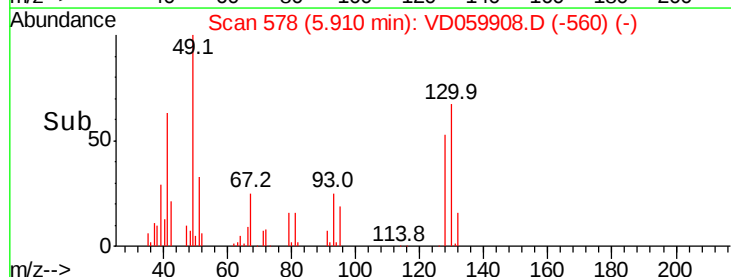
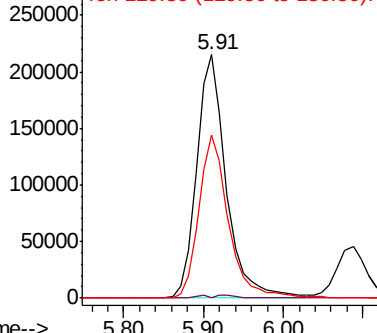


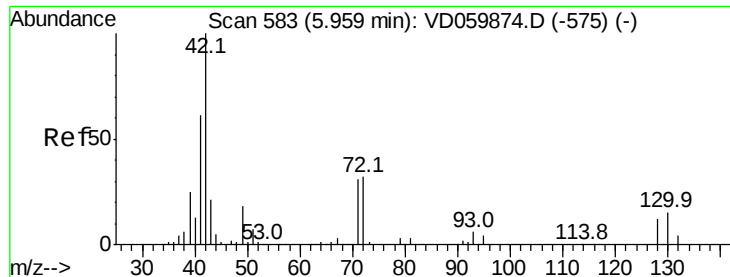
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 261.553 ug/l

RT: 5.94 min Scan# 581

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

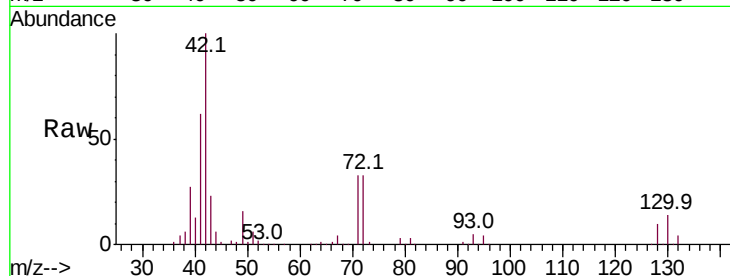
Tot Ion: 42 Resp: 751902

Ion Ratio Lower Upper

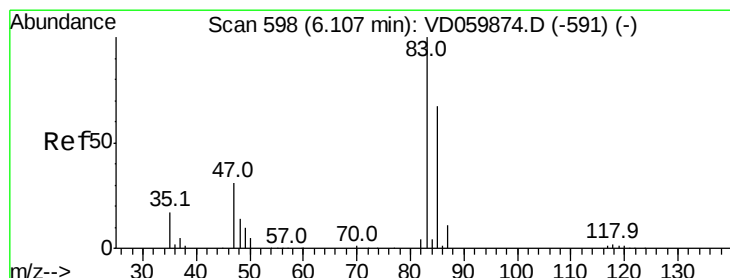
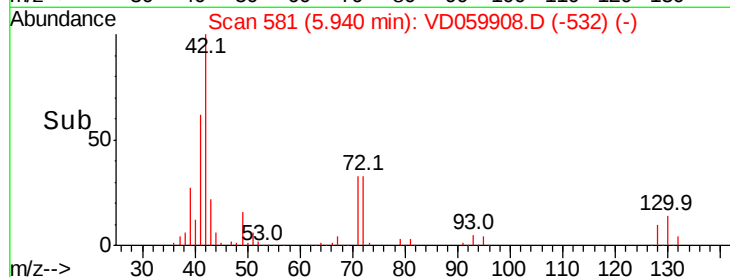
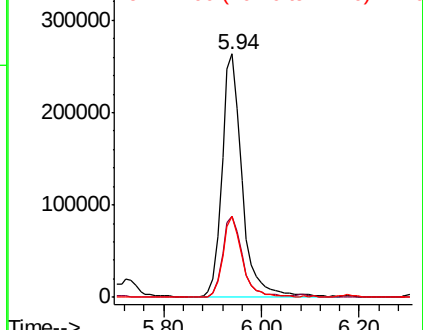
42 100

72 32.9 25.7 38.5

71 32.1 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: 51.519 ug/l

RT: 6.09 min Scan# 596

Delta R.T. -0.02 min

Lab File: VD059908.D

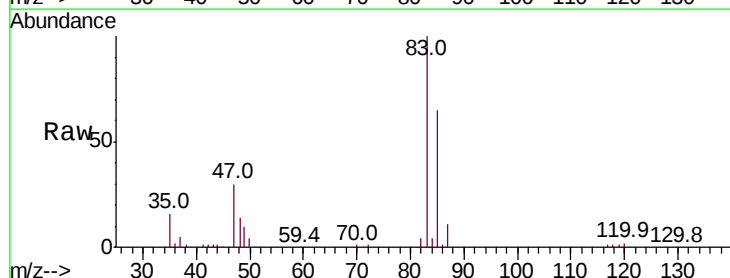
Acq: 27 Aug 2018 11:14

Tgt Ion: 83 Resp: 1213496

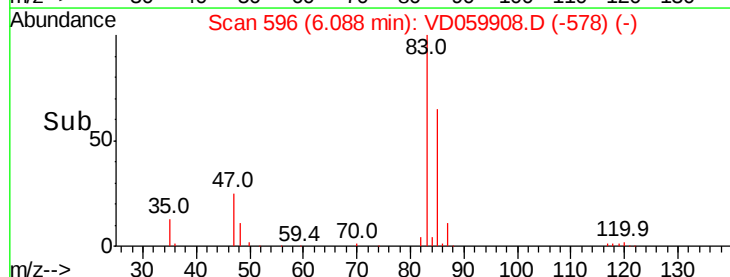
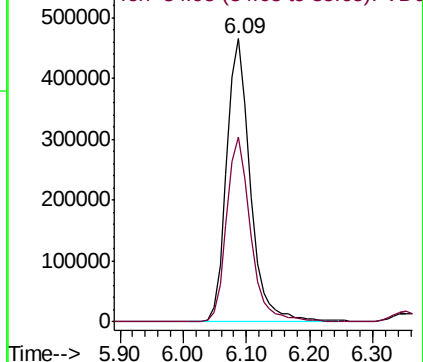
Ion Ratio Lower Upper

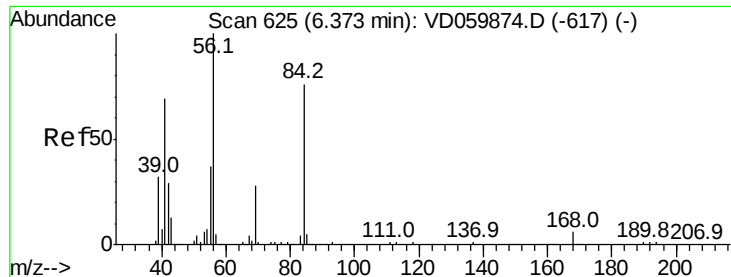
83 100

85 65.1 53.5 80.3



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

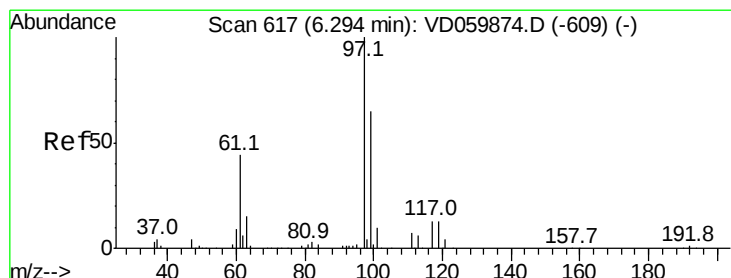
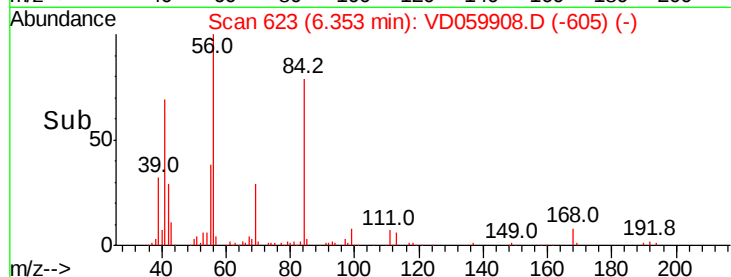
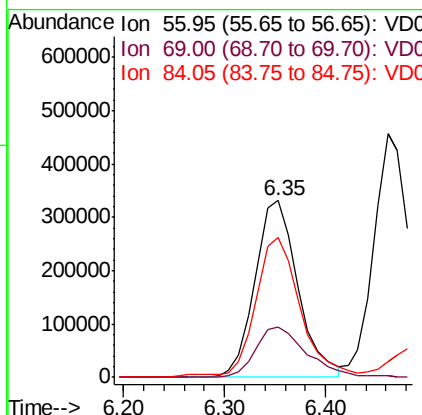
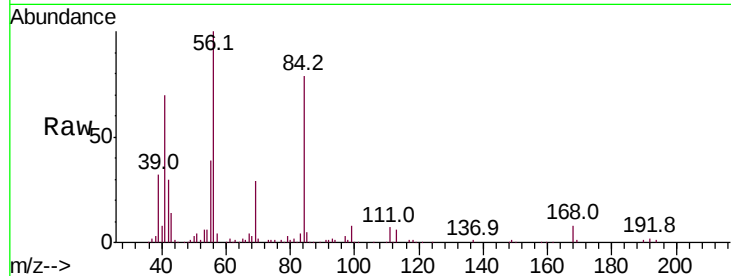




#31
Cyclohexane
Concen: 46.050 ug/l
RT: 6.35 min Scan# 623
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

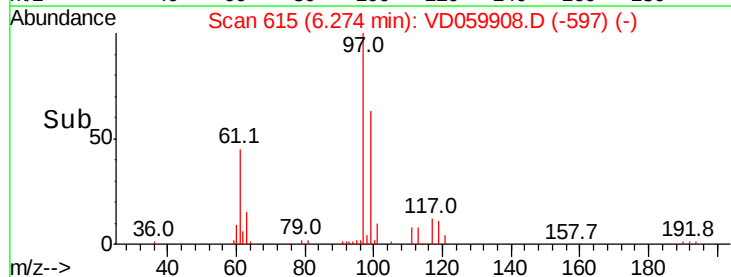
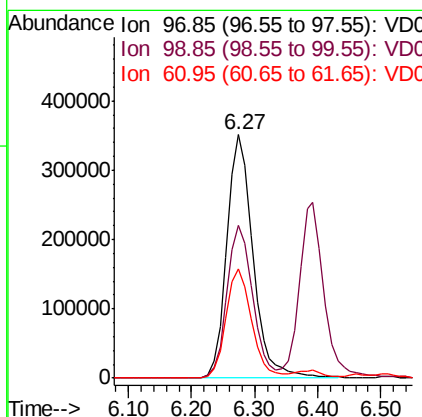
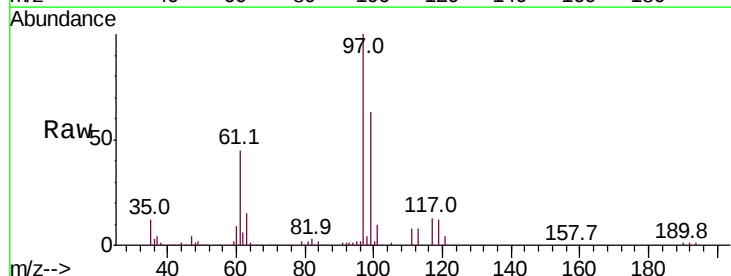
Instrument :
MSVOA_D
ClientSampleId :

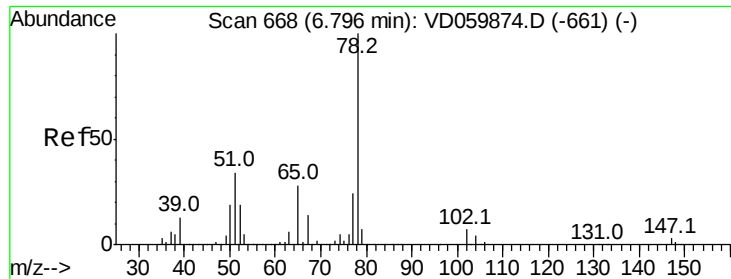
Tot Ion: 56 Resp: 981217
Ion Ratio Lower Upper
56 100
69 28.7 22.4 33.6
84 79.2 62.1 93.1



#32
1,1,1-Trichloroethane
Concen: 50.425 ug/l
RT: 6.27 min Scan# 615
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion: 97 Resp: 1008045
Ion Ratio Lower Upper
97 100
99 62.6 51.7 77.5
61 44.8 35.4 53.2

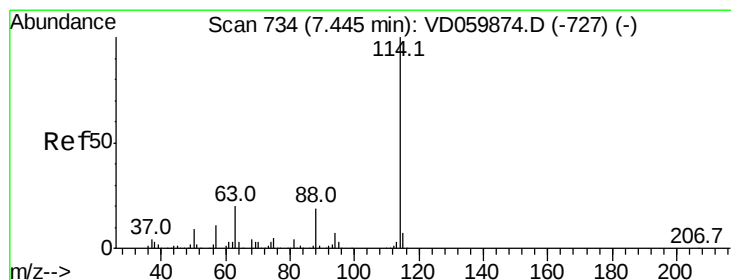
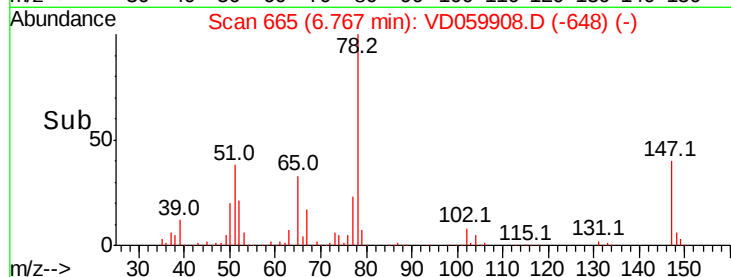
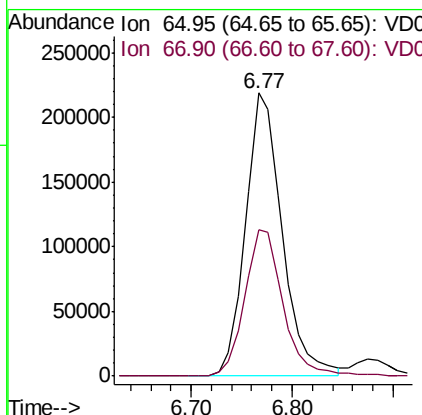
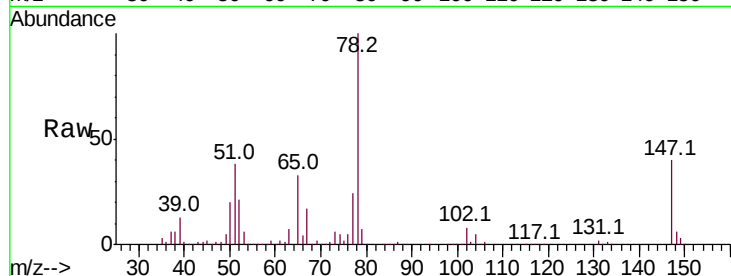




#33
 1,2-Dichloroethane-d4
 Concen: 50.425 ug/l
 RT: 6.77 min Scan# 665
 Delta R.T. -0.03 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

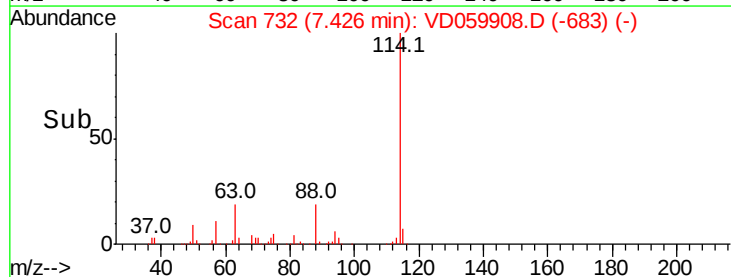
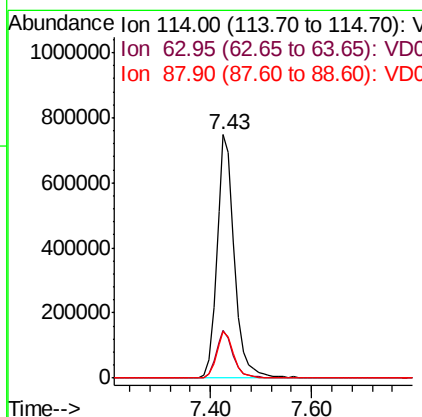
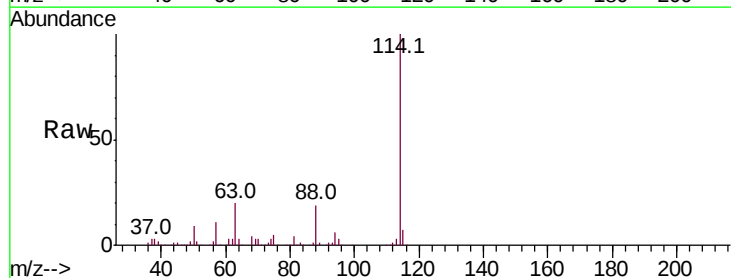
Instrument :
 MSVOA_D
 ClientSampled :

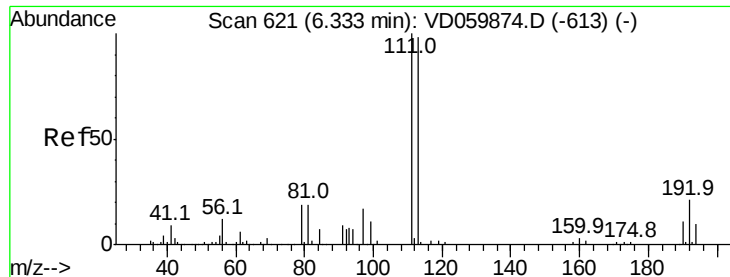
Tot Ion: 65 Resp: 552814
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion: 114 Resp: 1807546
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.4
 88 19.0 0.0 37.6

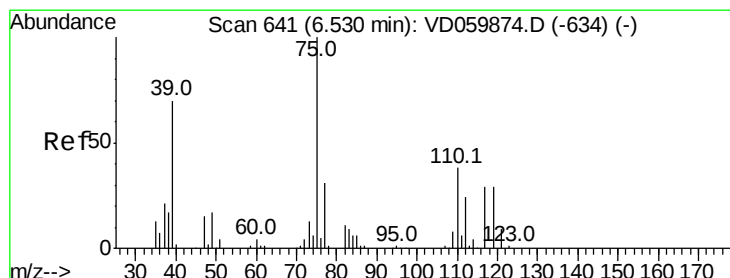
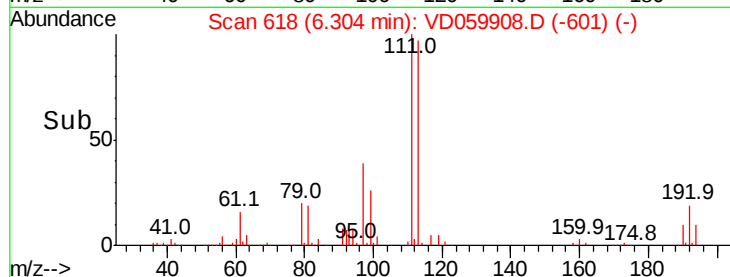
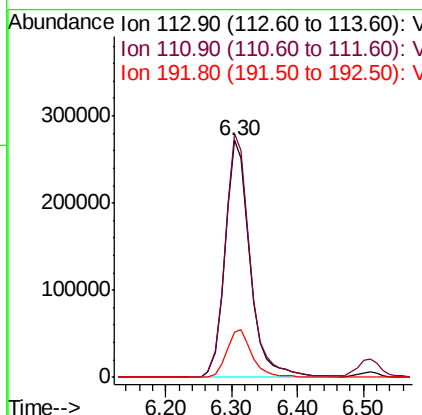
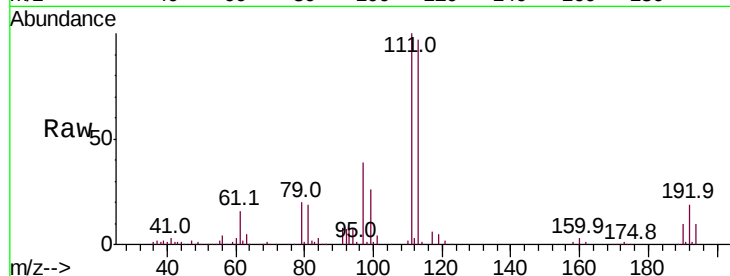




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 618
 Delta R.T. -0.03 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

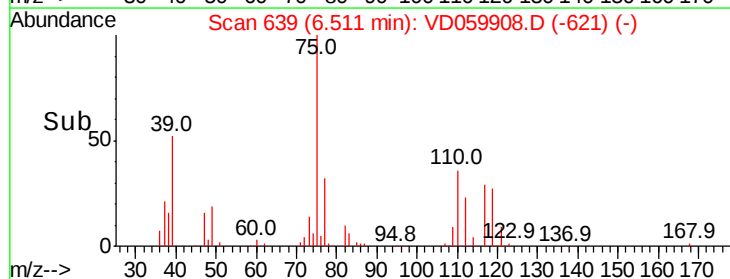
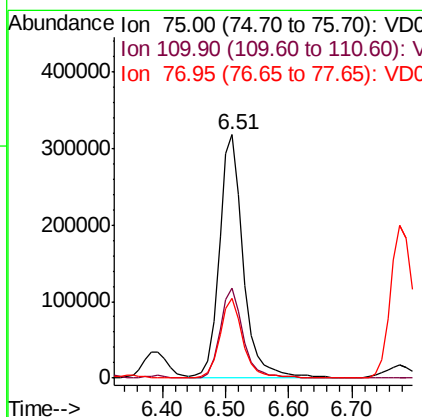
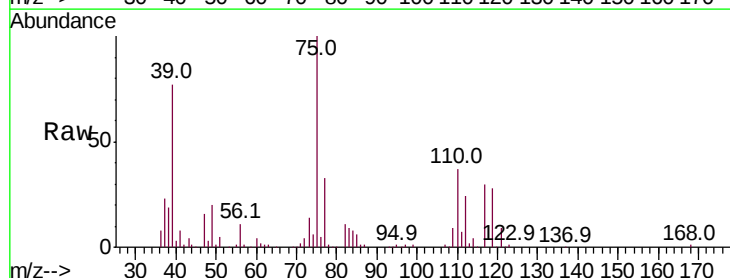
Instrument :
 MSVOA_D
 ClientSampleId :

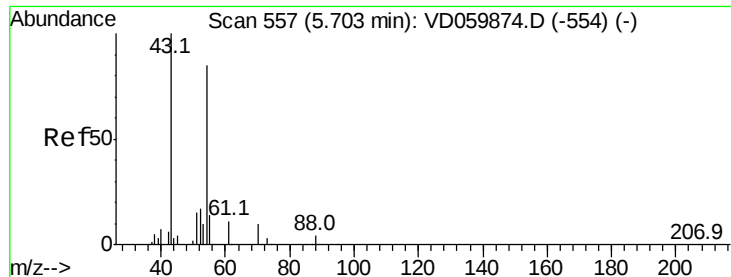
Tot Ion:113 Resp: 720587
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.4 122.2
 192 19.4 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 50.282 ug/l
 RT: 6.51 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion: 75 Resp: 823900
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.6 56.0
 77 32.7 25.1 37.7

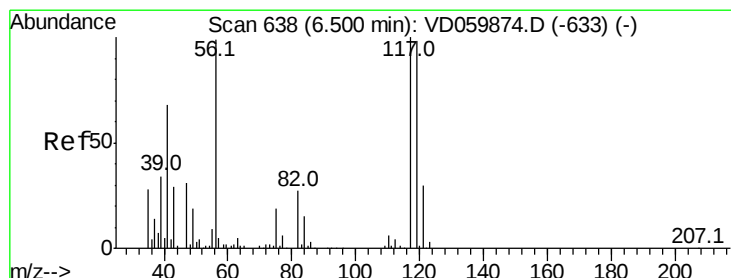
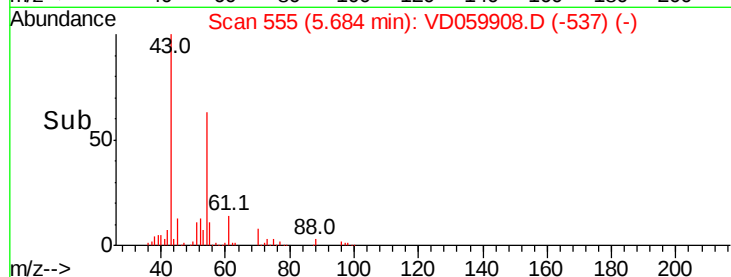
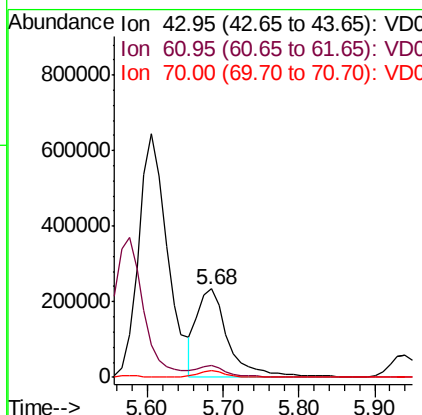
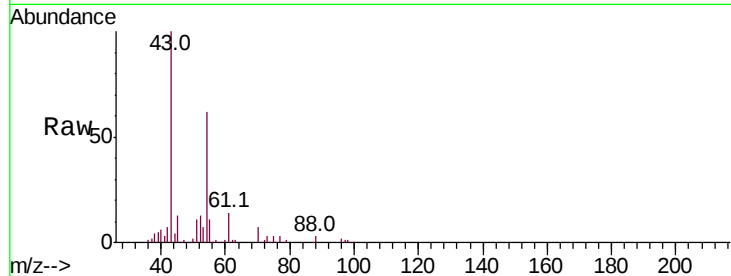




#37
Ethyl Acetate
Concen: 50.737 ug/l
RT: 5.68 min Scan# 555
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

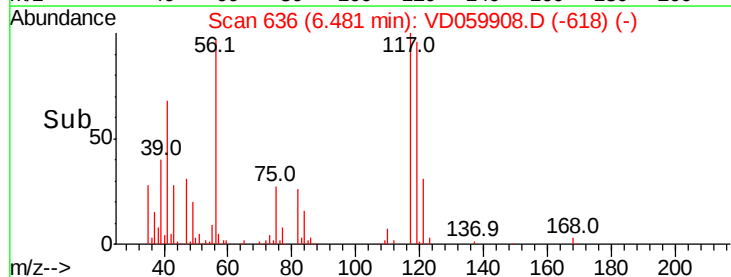
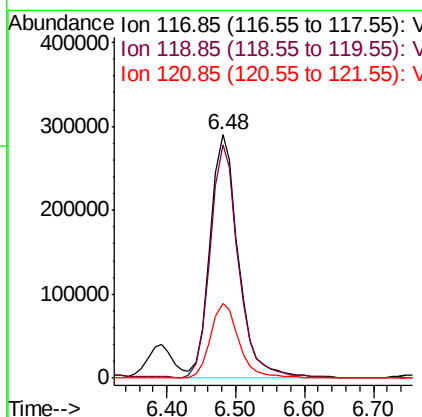
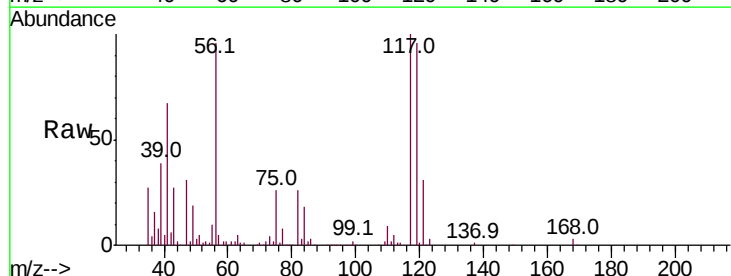
Instrument :
MSVOA_D
ClientSampled :

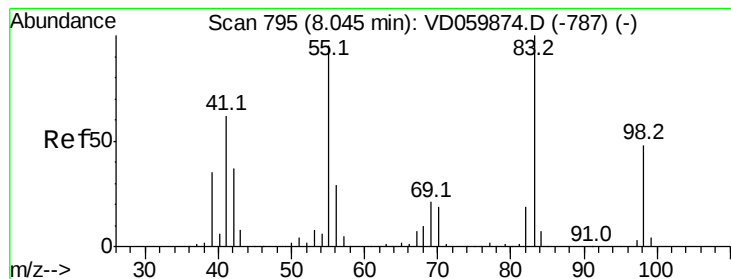
Tot Ion: 43 Resp: 646919
Ion Ratio Lower Upper
43 100
61 13.5 11.0 16.6
70 7.5 5.7 8.5



#38
Carbon Tetrachloride
Concen: 49.549 ug/l
RT: 6.48 min Scan# 636
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion: 117 Resp: 819335
Ion Ratio Lower Upper
117 100
119 95.7 77.2 115.8
121 30.5 24.0 36.0





#39

Methvlcvclohexane

Concen: 50.853 ug/l

RT: 8.03 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampled :

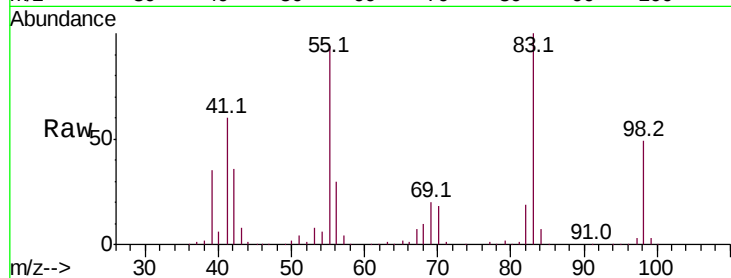
Tot Ion: 83 Resp: 900255

Ion Ratio Lower Upper

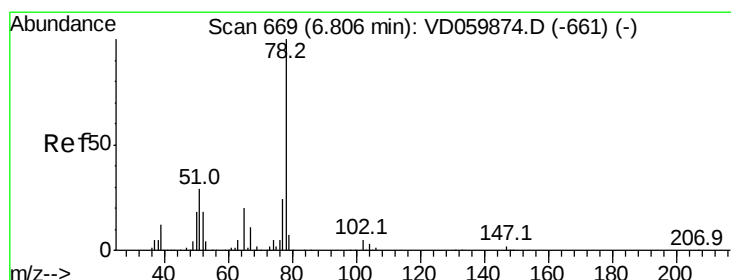
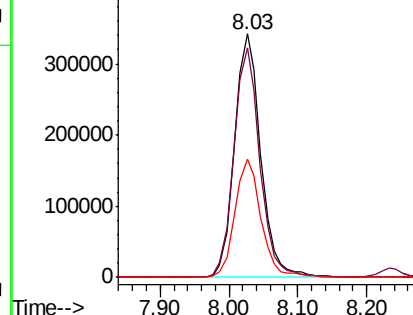
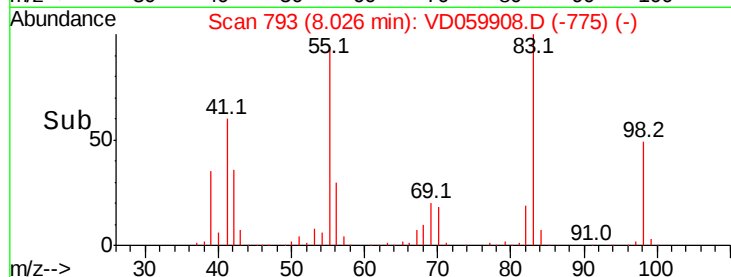
83 100

55 94.2 75.8 113.6

98 48.7 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: 52.017 ug/l

RT: 6.78 min Scan# 666

Delta R.T. -0.03 min

Lab File: VD059908.D

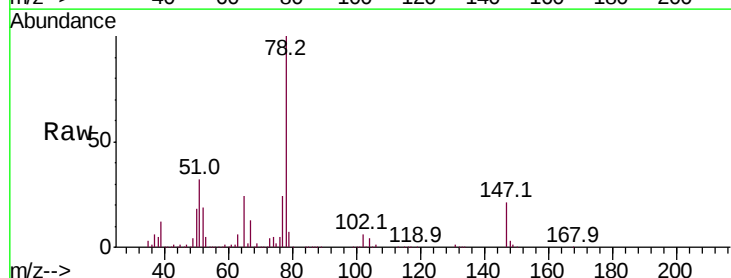
Acq: 27 Aug 2018 11:14

Tgt Ion: 78 Resp: 2216241

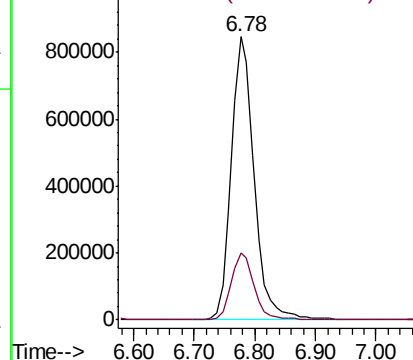
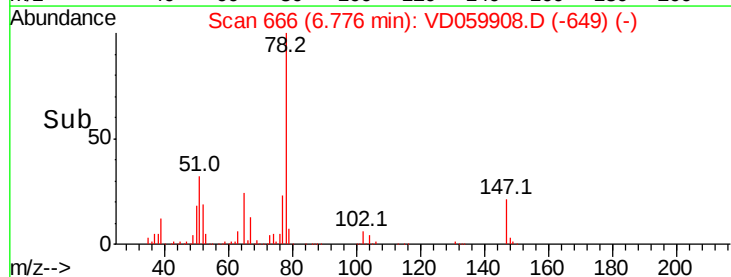
Ion Ratio Lower Upper

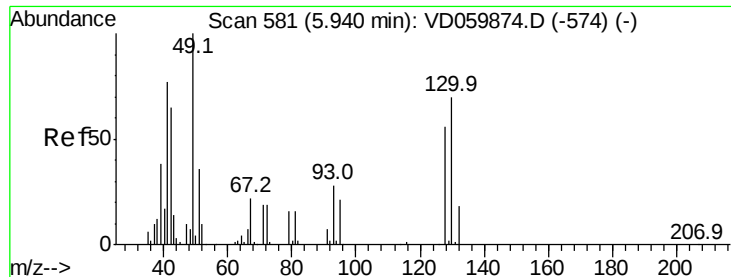
78 100

77 23.5 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: 116.681 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 749421

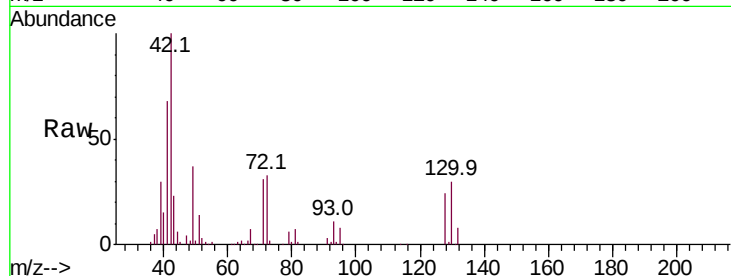
Ion Ratio Lower Upper

41 100

39 44.4 39.4 59.2

67 9.6 22.2 33.2#

52 4.9 10.1 15.1#

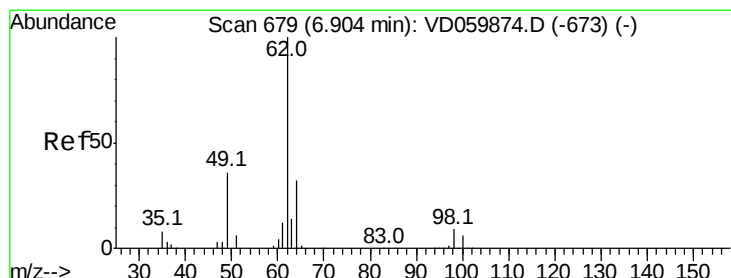
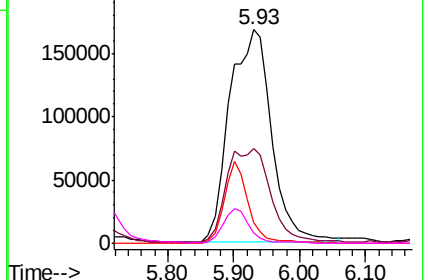
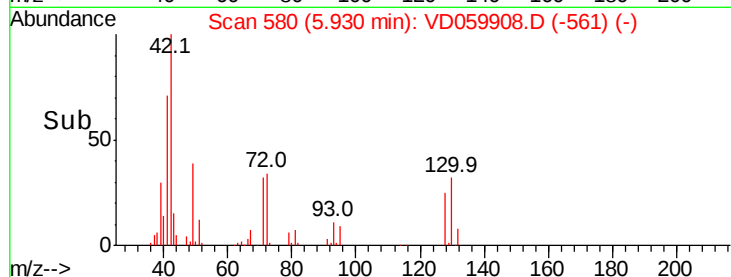


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 51.645 ug/l

RT: 6.88 min Scan# 677

Delta R.T. -0.02 min

Lab File: VD059908.D

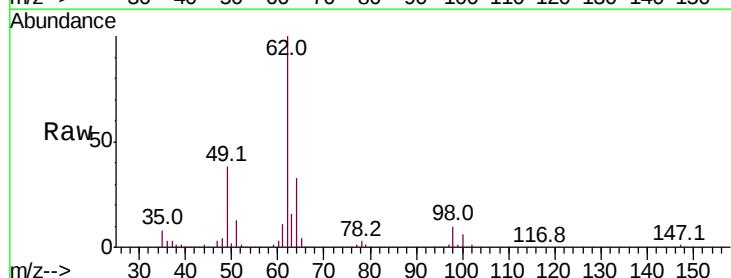
Acq: 27 Aug 2018 11:14

Tgt Ion: 62 Resp: 706376

Ion Ratio Lower Upper

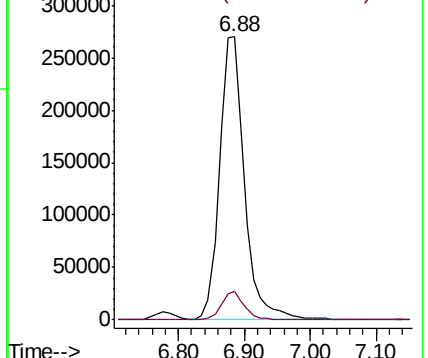
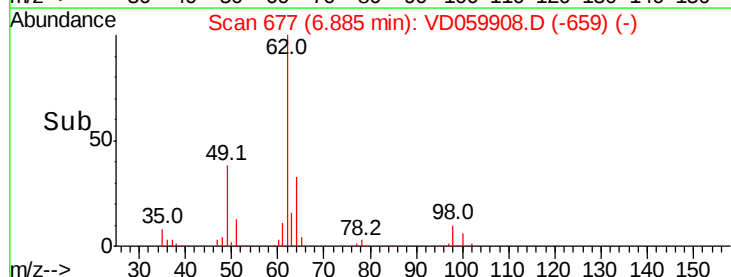
62 100

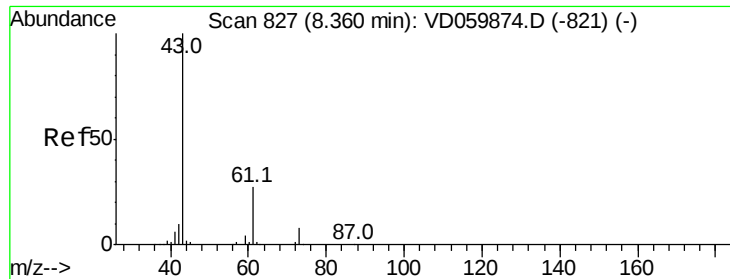
98 10.1 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



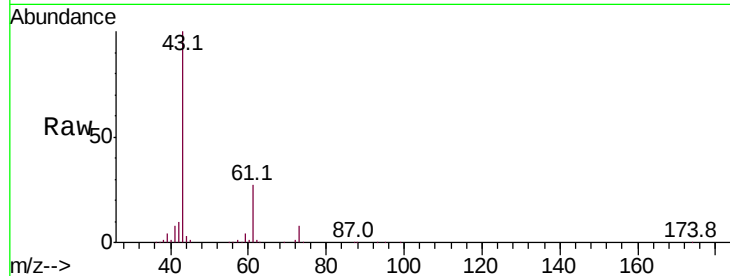


#43

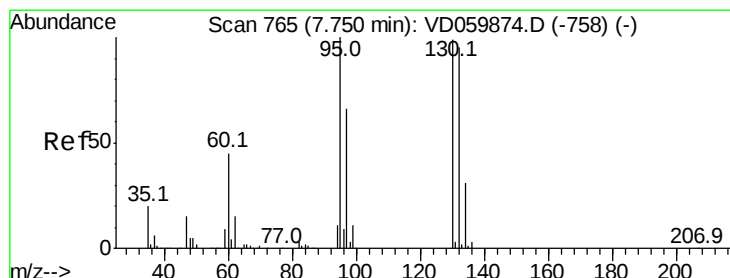
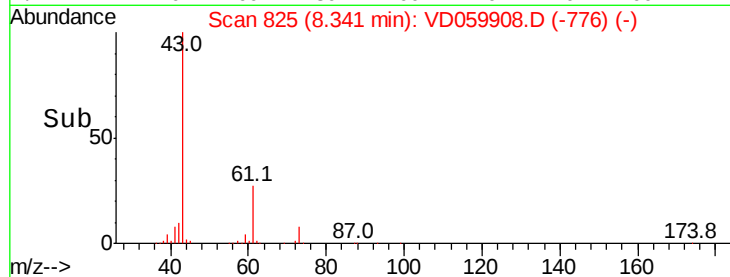
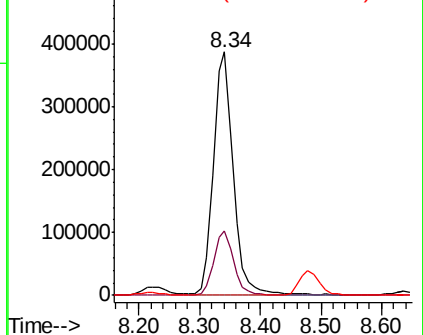
Isopropyl Acetate
 Concen: 52.714 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 874423
 Ion Ratio Lower Upper
 43 100
 61 26.5 21.4 32.2
 87 0.2 0.2 0.4



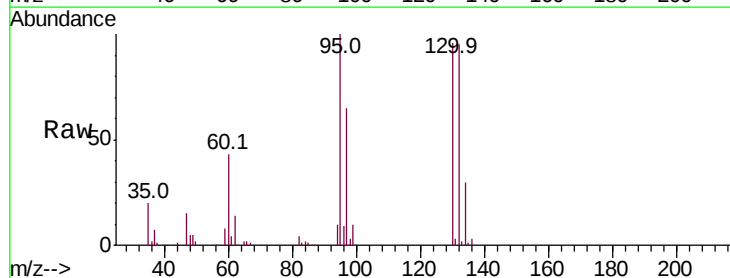
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



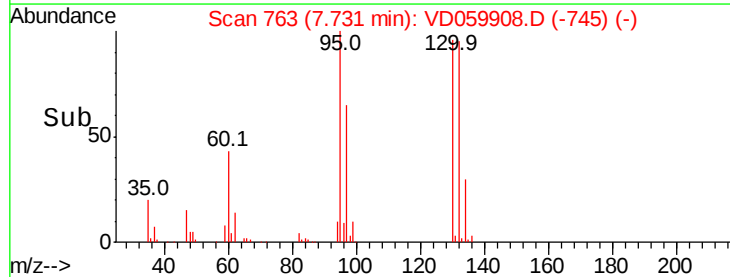
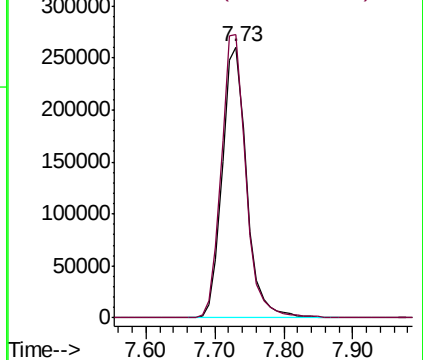
#44

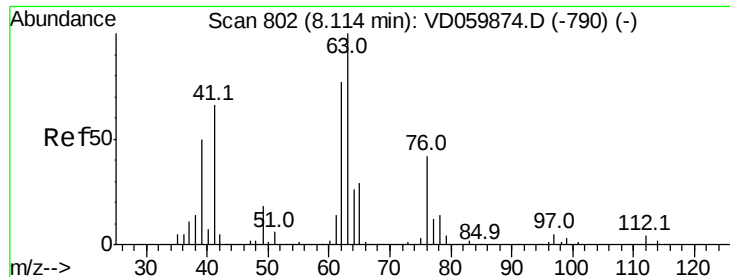
Trichloroethene
 Concen: 50.991 ug/l
 RT: 7.73 min Scan# 763
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion:130 Resp: 639661
 Ion Ratio Lower Upper
 130 100
 95 104.5 0.0 202.0



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





#45

1,2-Dichloropropane

Concen: 52.661 ug/l

RT: 8.10 min Scan# 800

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

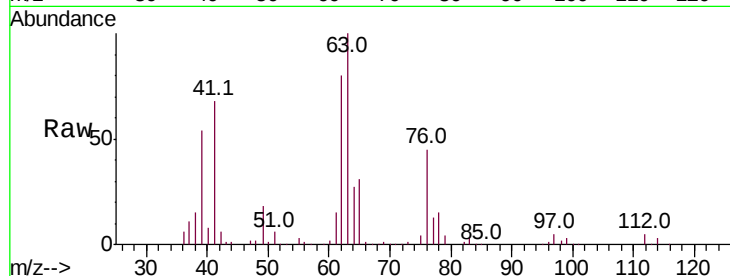
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 63 Resp: 627145

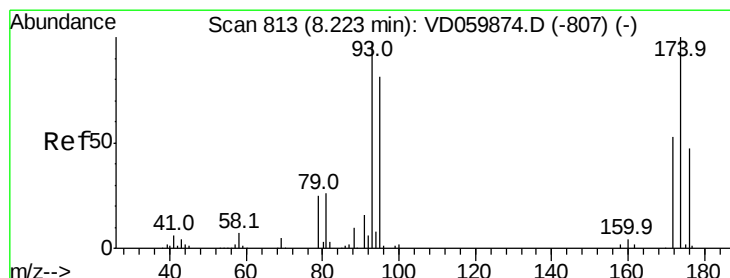
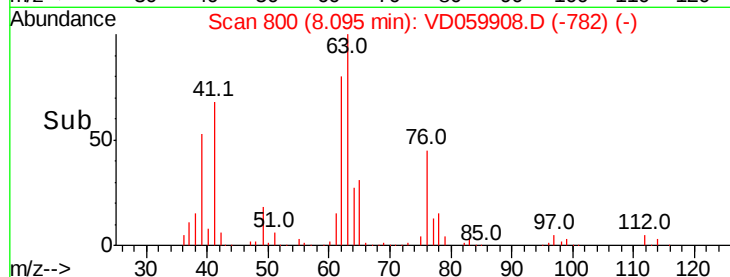
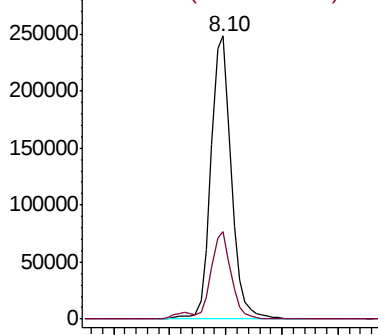
Ion Ratio Lower Upper

63 100

65 30.8 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 51.898 ug/l

RT: 8.20 min Scan# 811

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

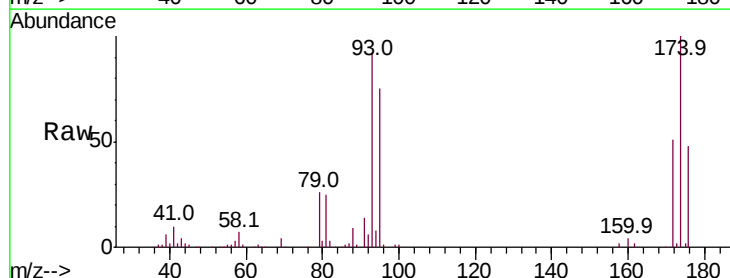
Tgt Ion: 93 Resp: 397400

Ion Ratio Lower Upper

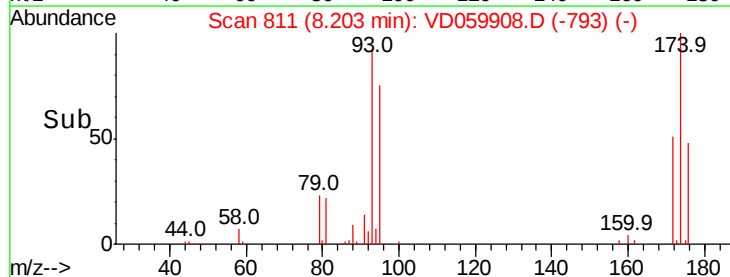
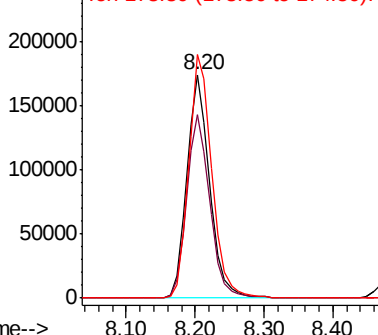
93 100

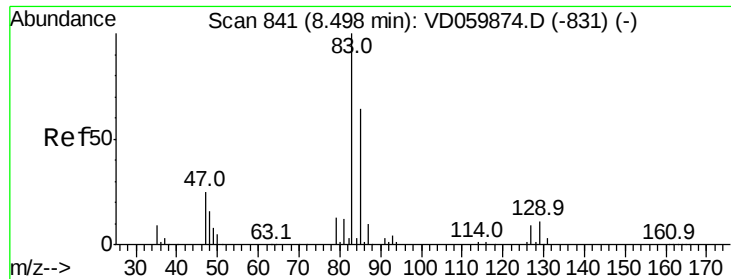
95 81.8 66.6 100.0

174 108.9 82.4 123.6



Abundance Ion 92.90 (92.60 to 93.60): VDC
Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 52.148 ug/l

RT: 8.48 min Scan# 839

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

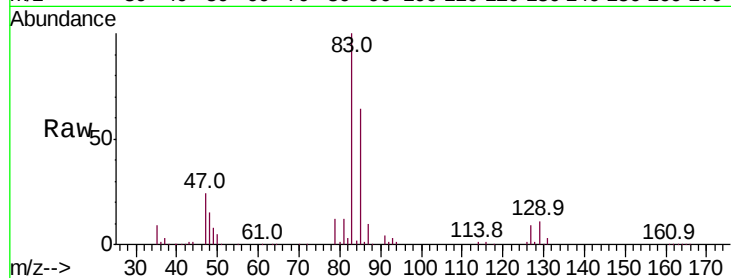
Tot Ion: 83 Resp: 903980

Ion Ratio Lower Upper

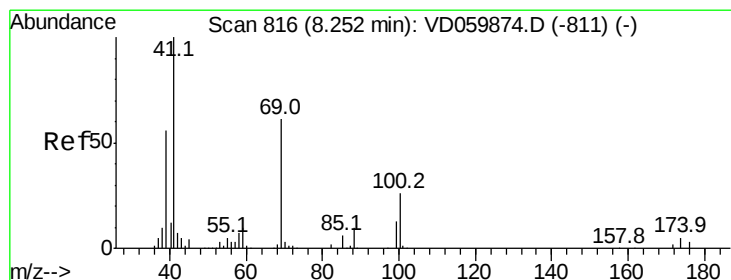
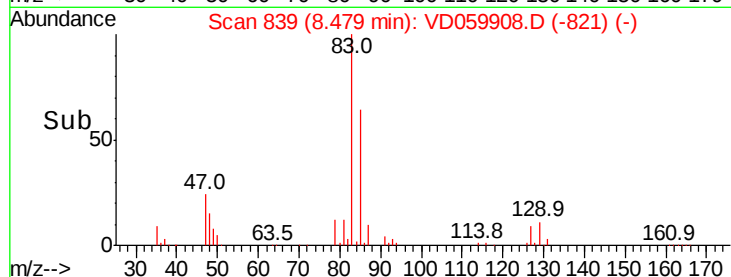
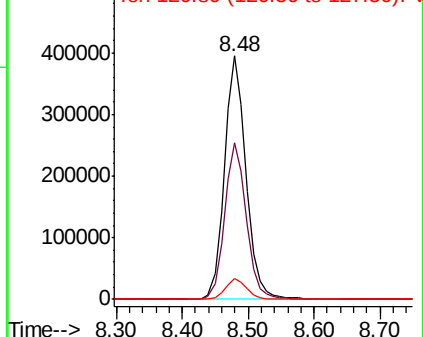
83 100

85 64.5 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: 51.879 ug/l

RT: 8.23 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

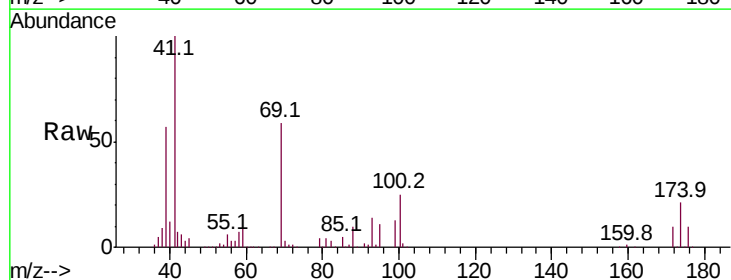
Tgt Ion: 41 Resp: 501651

Ion Ratio Lower Upper

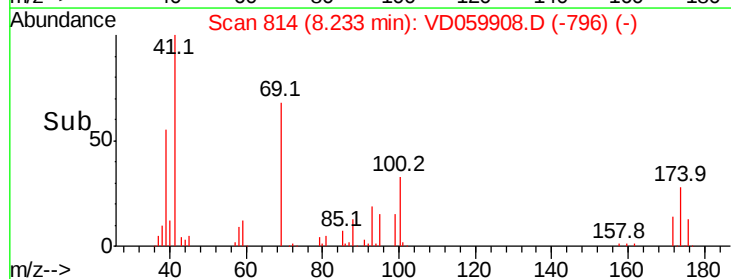
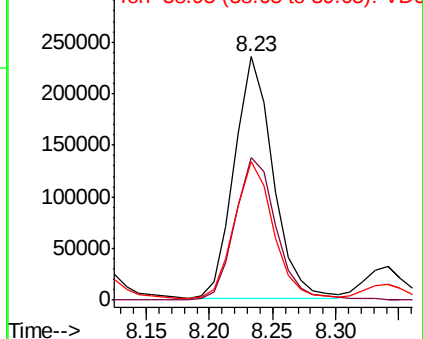
41 100

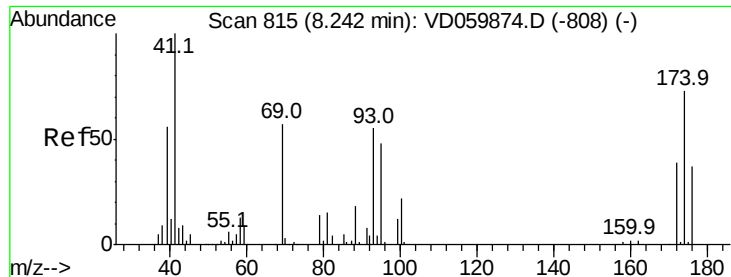
69 58.7 48.0 72.0

39 56.8 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: 1076.825 ug/l

RT: 8.21 min Scan# 812

Delta R.T. -0.03 min

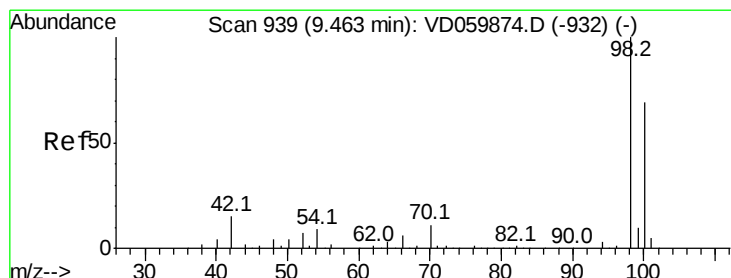
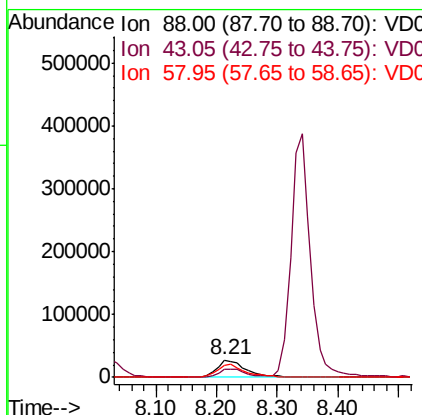
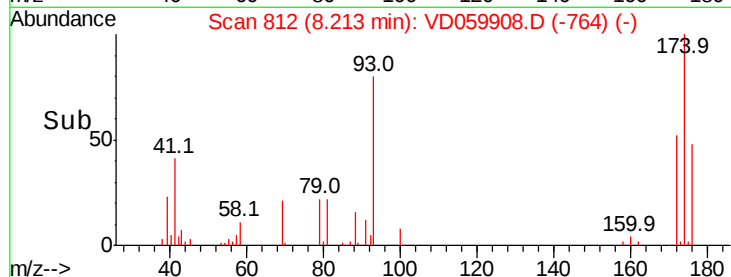
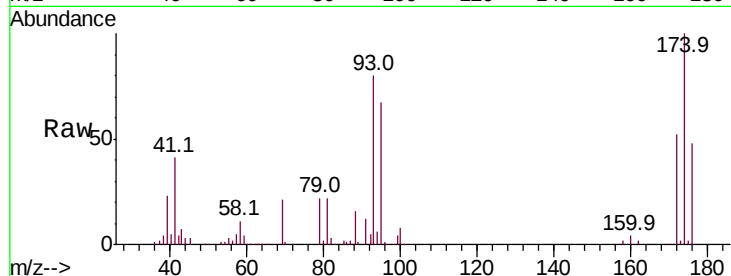
Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 92962

Ion	Ratio	Lower	Upper
88	100		
43	44.7	45.0	67.6#
58	66.3	55.8	83.8



#50

Toluene-d8

Concen: 1076.825 ug/l

RT: 9.44 min Scan# 937

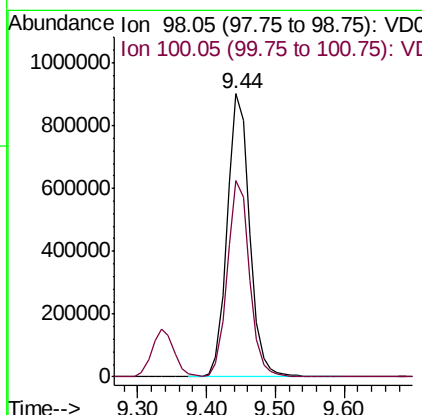
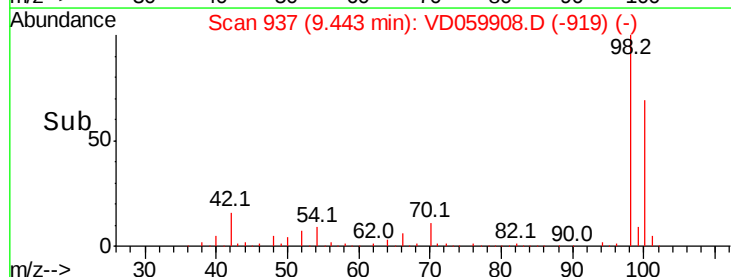
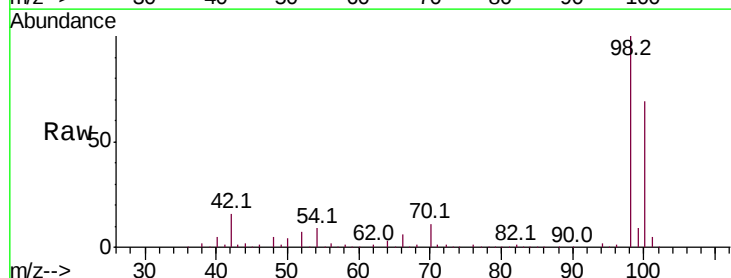
Delta R.T. -0.02 min

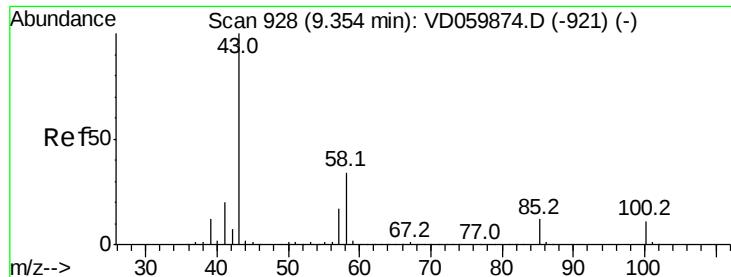
Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Tgt Ion: 98 Resp: 2019823

Ion	Ratio	Lower	Upper
98	100		
100	69.3	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 275.646 ug/l

RT: 9.33 min Scan# 926

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

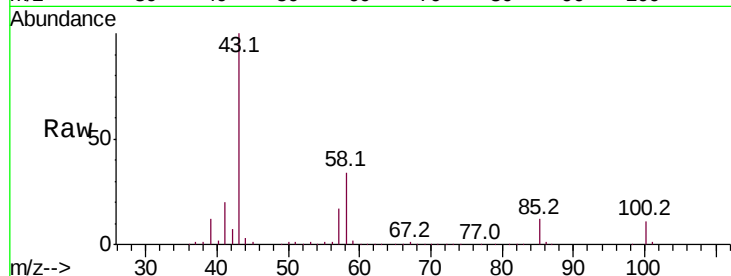
ClientSampleId :

Tot Ion: 43 Resp: 3408832

Ion Ratio Lower Upper

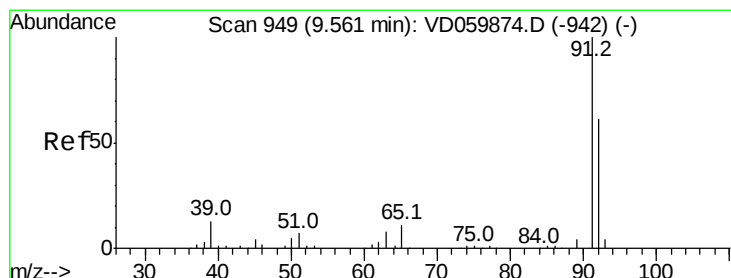
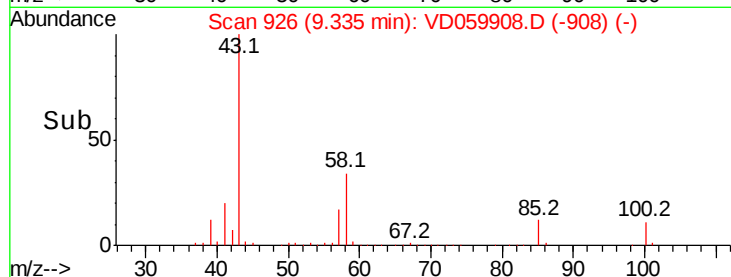
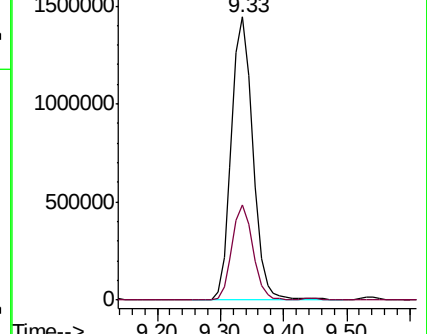
43 100

58 33.8 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.305 ug/l

RT: 9.54 min Scan# 947

Delta R.T. -0.02 min

Lab File: VD059908.D

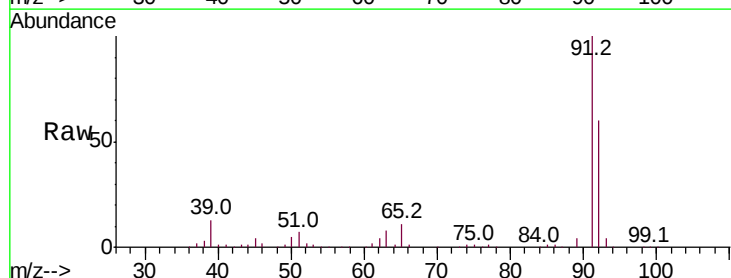
Acq: 27 Aug 2018 11:14

Tgt Ion: 92 Resp: 1401656

Ion Ratio Lower Upper

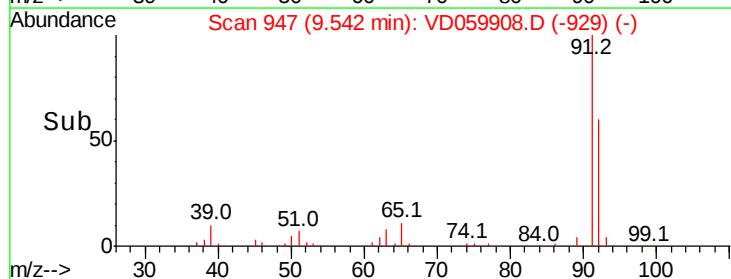
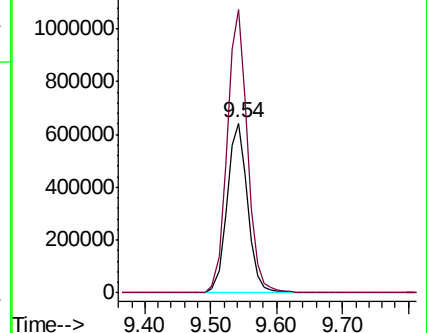
92 100

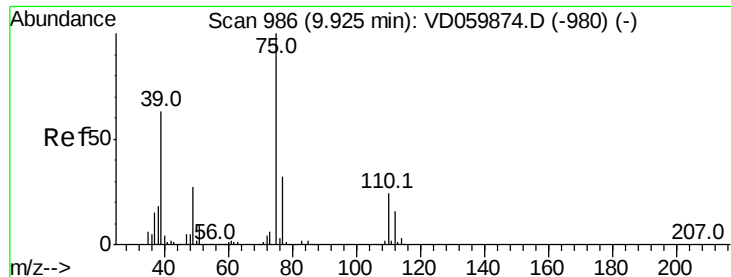
91 166.8 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

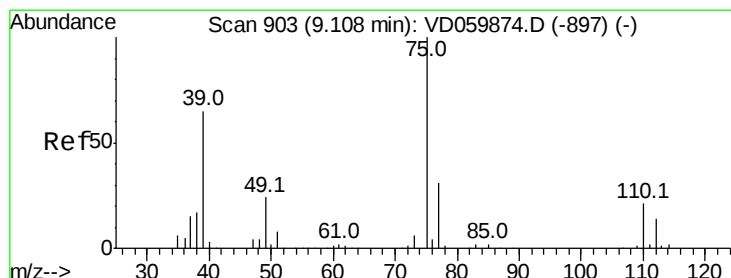
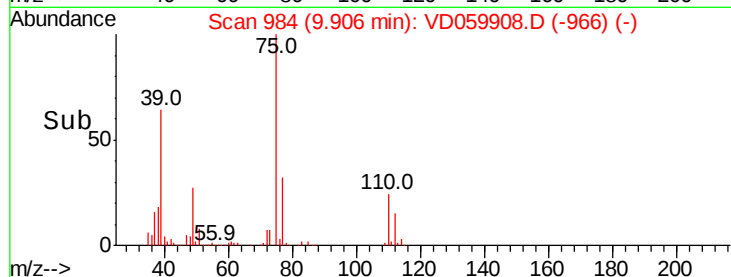
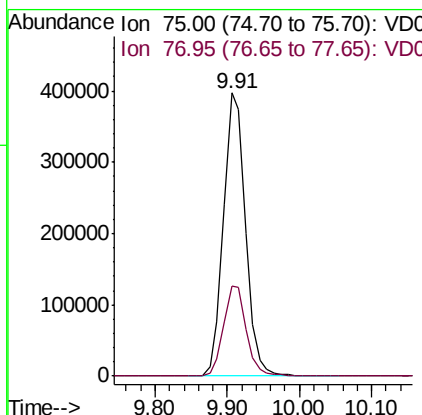
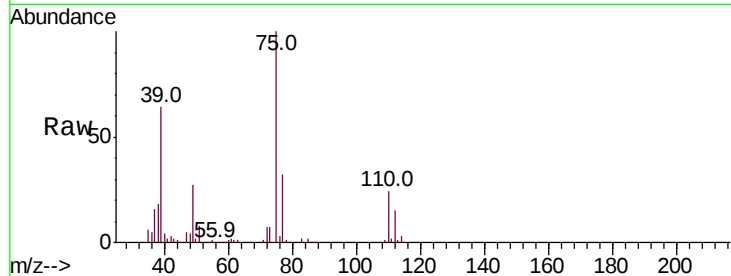




#53
 t-1,3-Dichloropropene
 Concen: 52.375 ug/l
 RT: 9.91 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

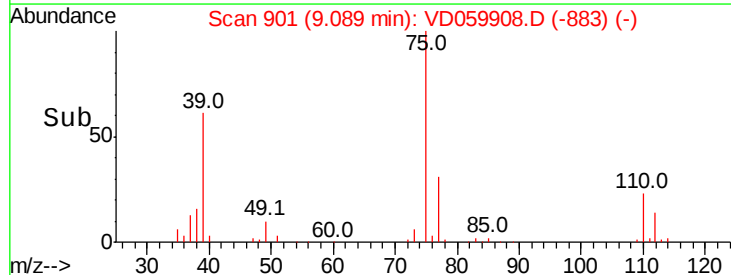
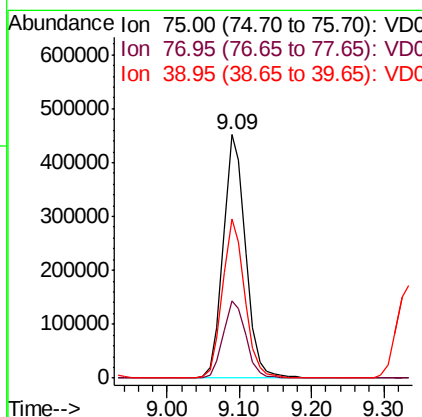
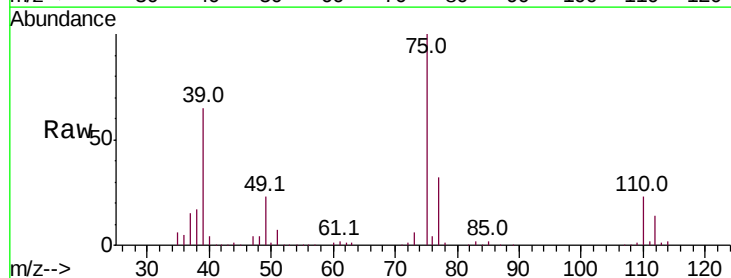
Instrument :
 MSVOA_D
 ClientSampled :

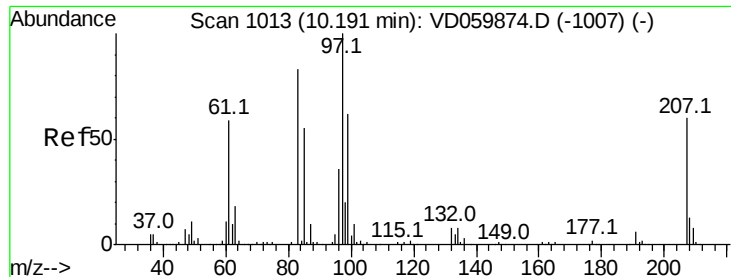
Tot Ion: 75 Resp: 839757
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 52.168 ug/l
 RT: 9.09 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion: 75 Resp: 969804
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.8 37.2
 39 65.2 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 48.907 ug/l

RT: 10.17 min Scan# 1011

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 488412

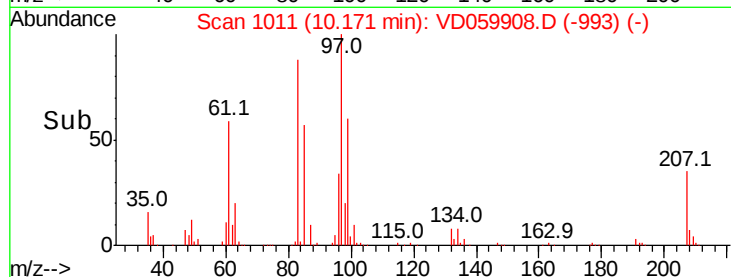
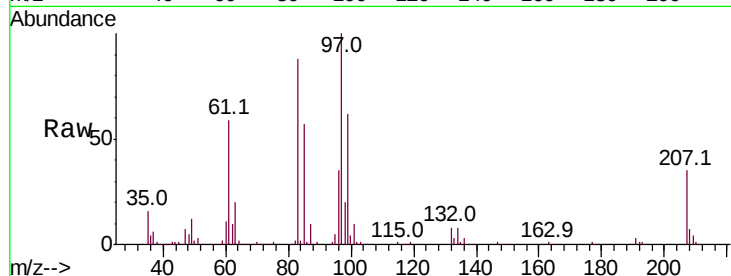
Ion	Ratio	Lower	Upper
97	100		
83	87.9	66.7	100.1
85	57.3	43.8	65.6
99	61.9	49.8	74.6

97 100

83 87.9 66.7 100.1

85 57.3 43.8 65.6

99 61.9 49.8 74.6

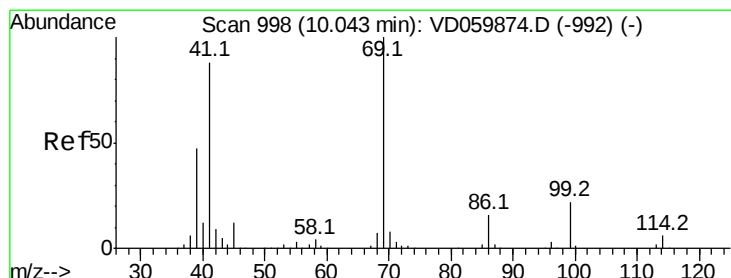
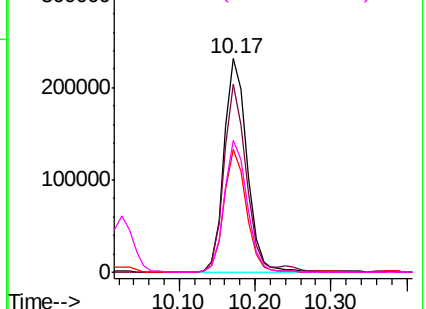


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 51.881 ug/l

RT: 10.02 min Scan# 996

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

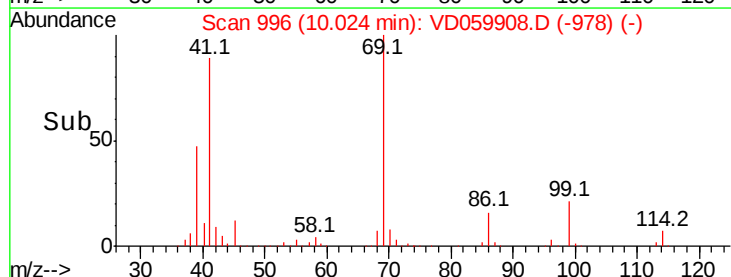
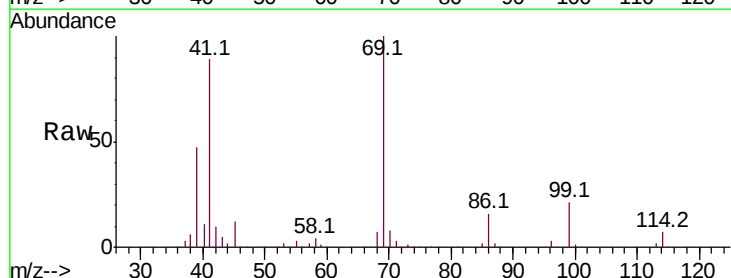
Tgt Ion: 69 Resp: 597942

Ion	Ratio	Lower	Upper
69	100		
41	89.2	71.0	106.4
39	47.3	38.5	57.7

69 100

41 89.2 71.0 106.4

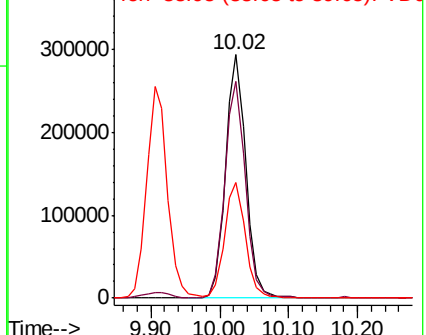
39 47.3 38.5 57.7

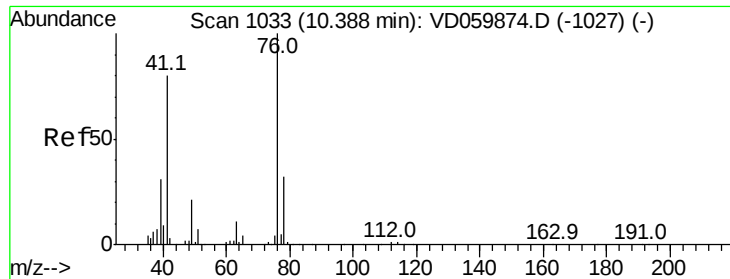


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

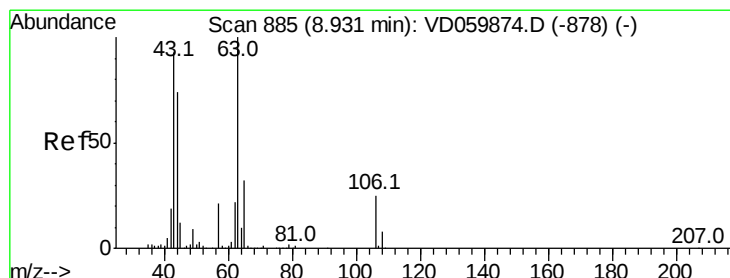
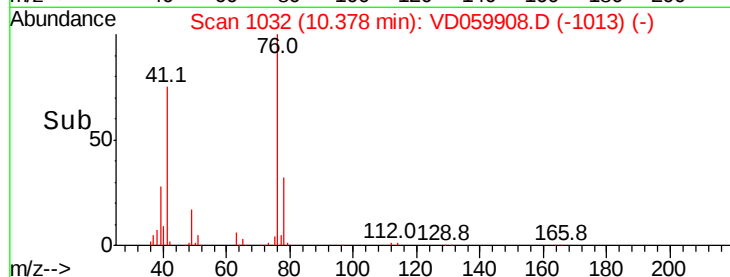
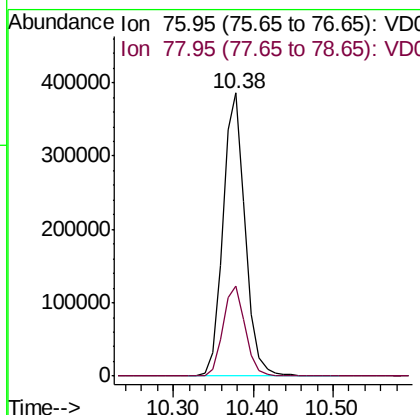
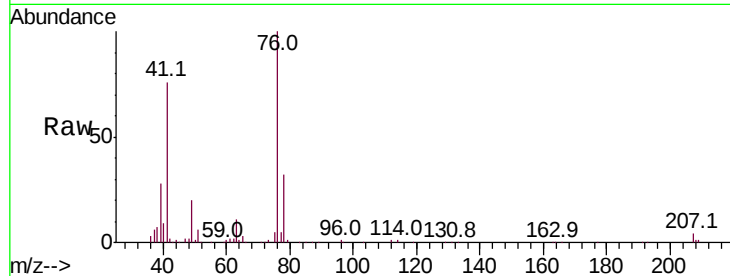




#57
 1,3-Dichloropropane
 Concen: 52.250 ug/l
 RT: 10.38 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

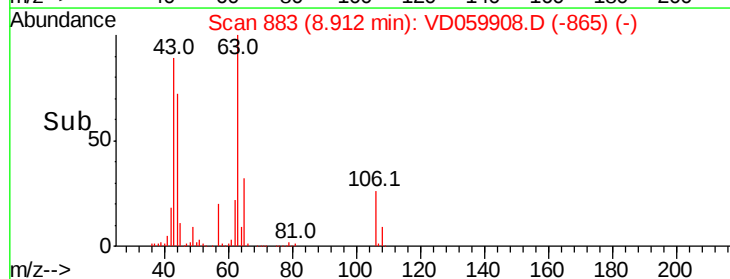
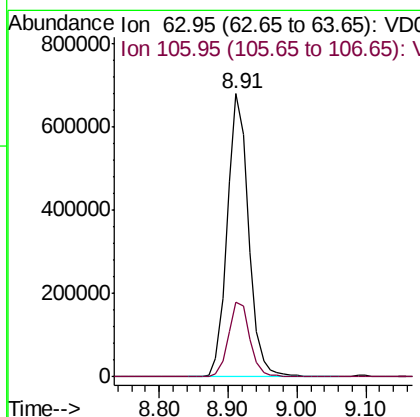
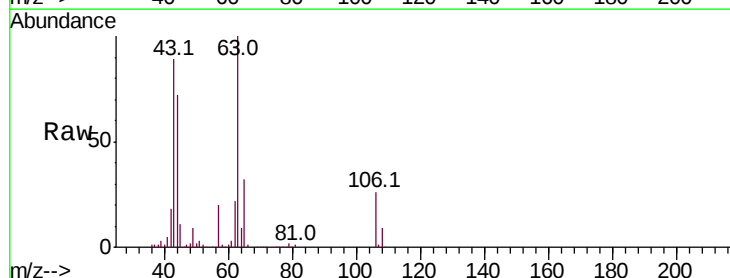
Instrument :
 MSVOA_D
 ClientSampled :

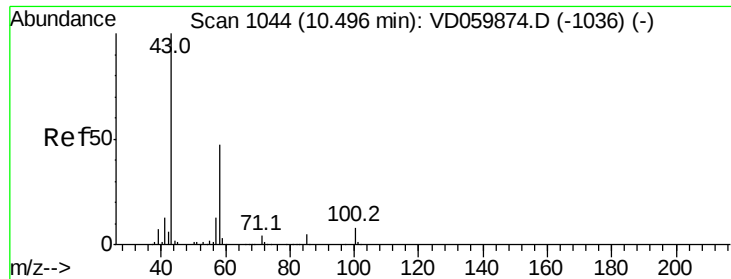
Tot Ion: 76 Resp: 755227
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.100 ug/l
 RT: 8.91 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion: 63 Resp: 1454657
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.1 30.1

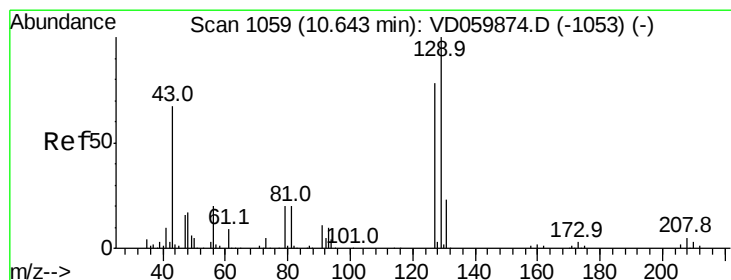
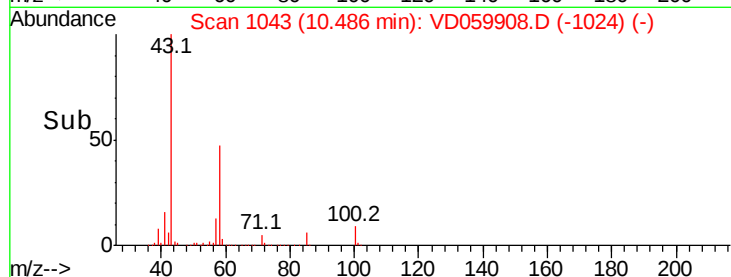
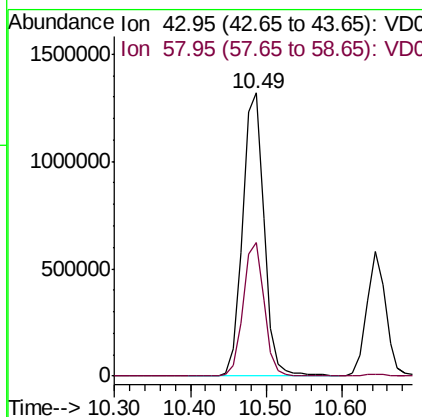
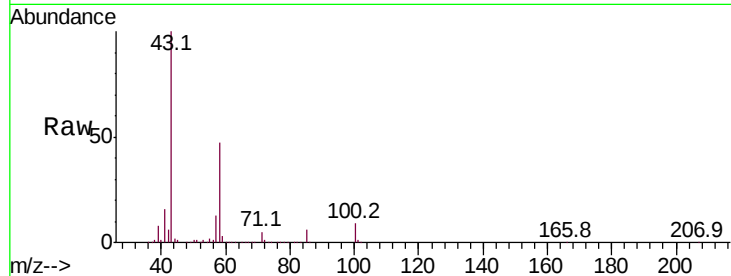




#59
2-Hexanone
Concen: 282.135 ug/l
RT: 10.49 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

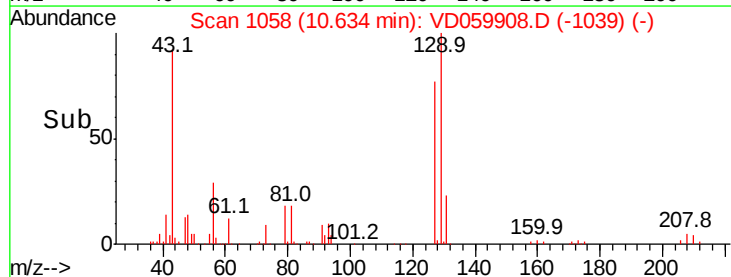
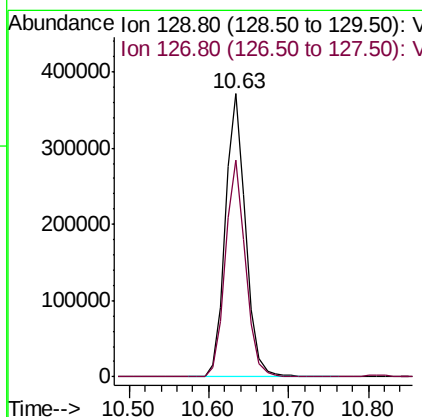
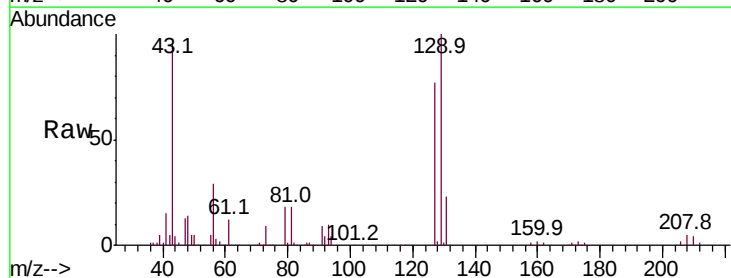
Instrument :
MSVOA_D
ClientSampled :

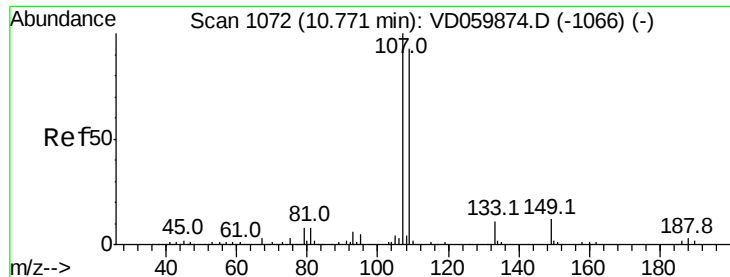
Tot Ion: 43 Resp: 2573477
Ion Ratio Lower Upper
43 100
58 47.3 23.3 69.8



#60
Dibromochloromethane
Concen: 52.958 ug/l
RT: 10.63 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion: 129 Resp: 664734
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.138 ug/l

RT: 10.75 min Scan# 1070

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

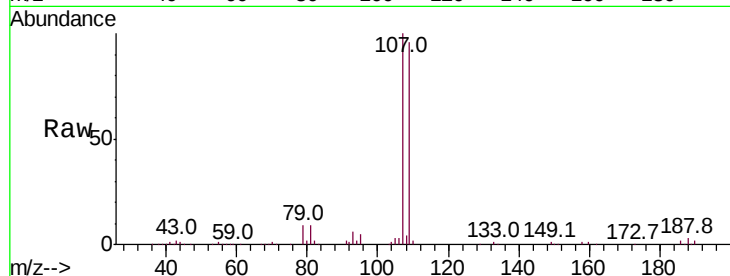
ClientSampleId :

Tot Ion:107 Resp: 526464

Ion Ratio Lower Upper

107 100

109 95.5 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

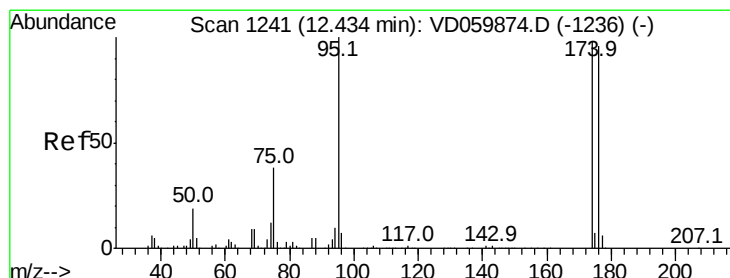
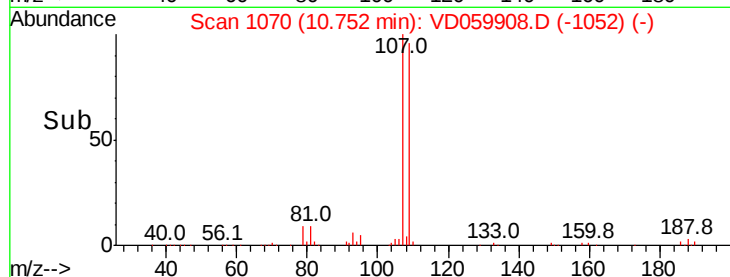
300000

200000

100000

0

Time--> 10.60 10.70 10.80 10.90



#62

4-Bromofluorobenzene

Concen: 52.138 ug/l

RT: 12.43 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

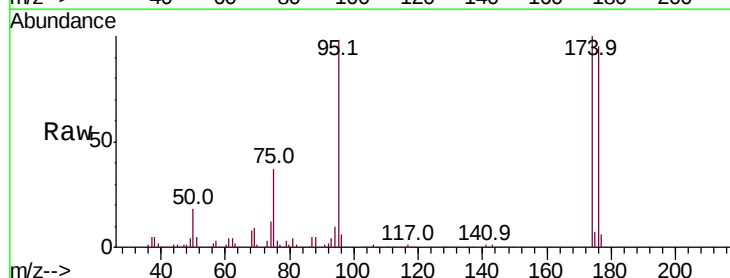
Tgt Ion: 95 Resp: 787614

Ion Ratio Lower Upper

95 100

174 102.3 0.0 195.6

176 97.6 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.43

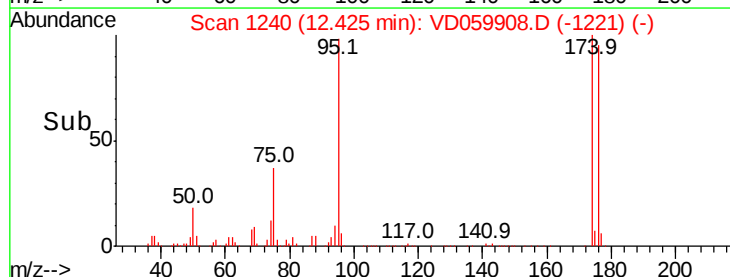
600000

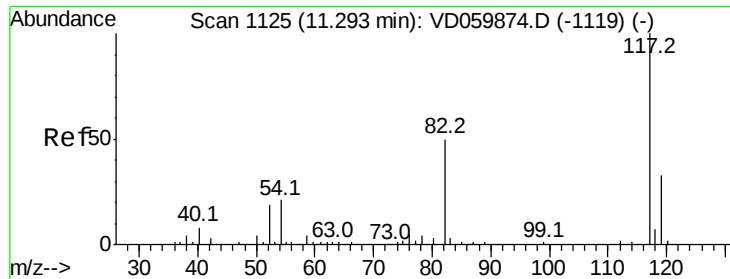
400000

200000

0

Time--> 12.40 12.50

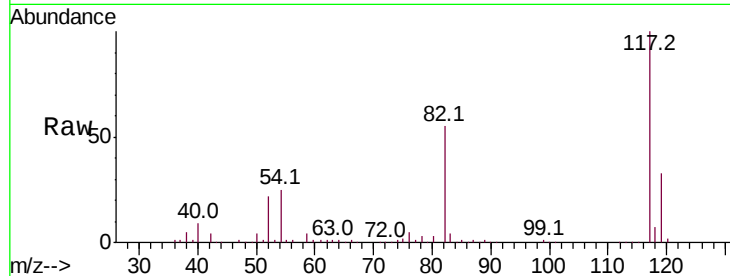




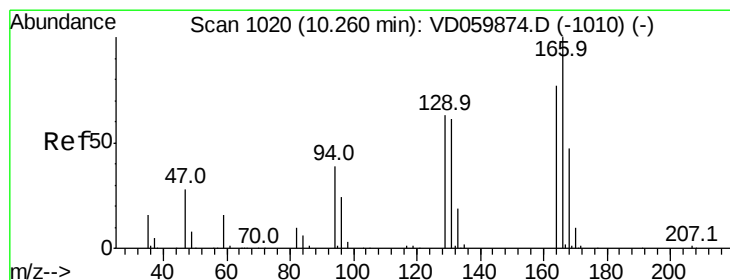
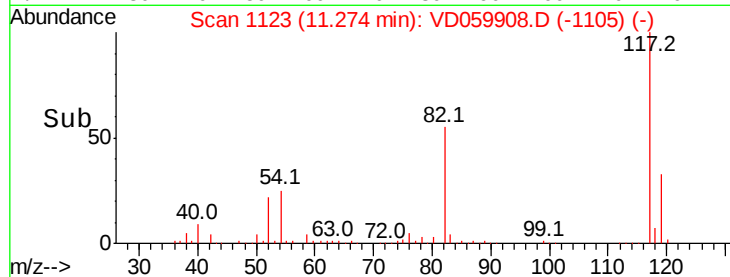
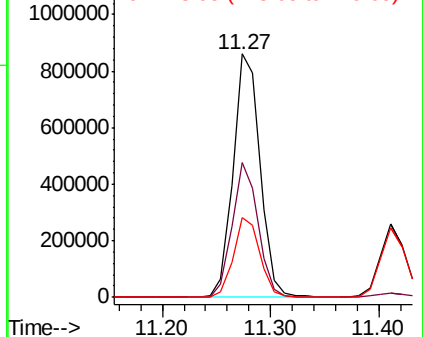
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1487429
Ion Ratio Lower Upper
117 100
82 55.2 40.1 60.1
119 32.7 26.7 40.1

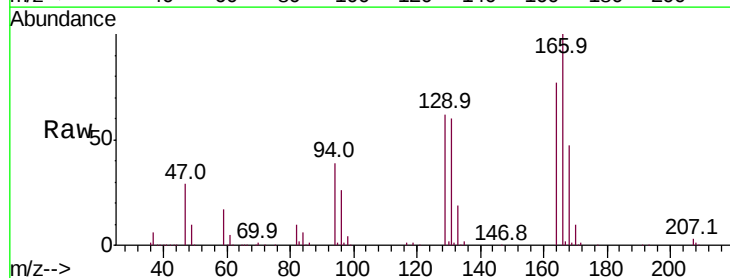


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

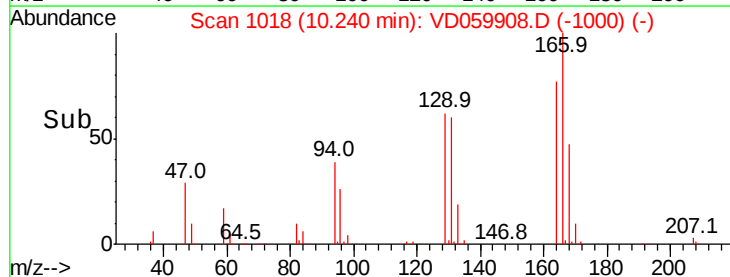
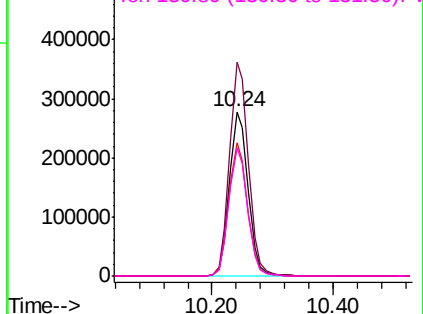


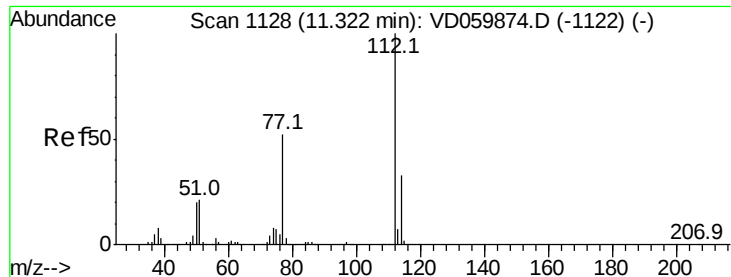
#64
Tetrachloroethene
Concen: 51.828 ug/l
RT: 10.24 min Scan# 1018
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion:164 Resp: 596084
Ion Ratio Lower Upper
164 100
166 130.2 103.4 155.2
129 81.0 65.2 97.8
131 78.1 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

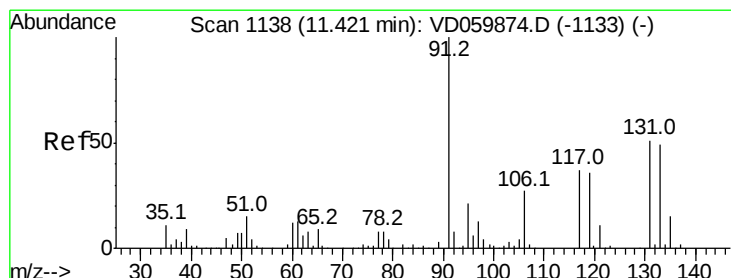
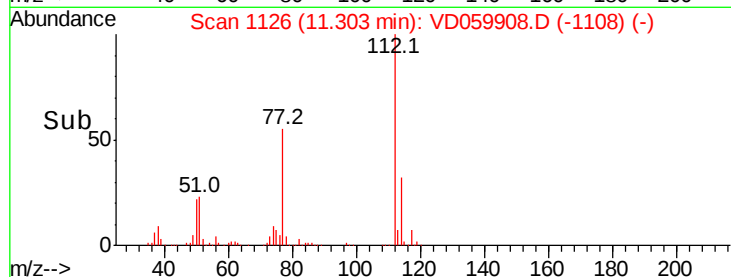
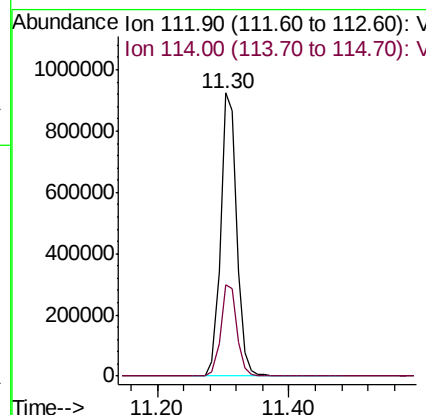
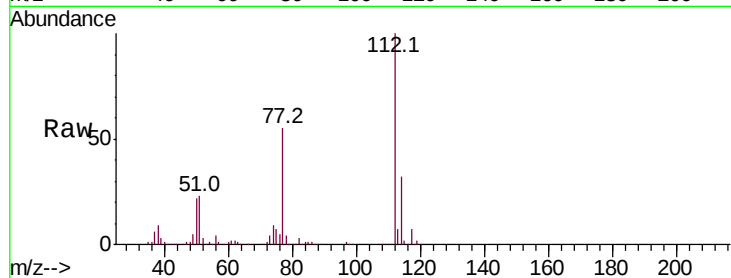




#65
Chlorobenzene
Concen: 52.752 ug/l
RT: 11.30 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

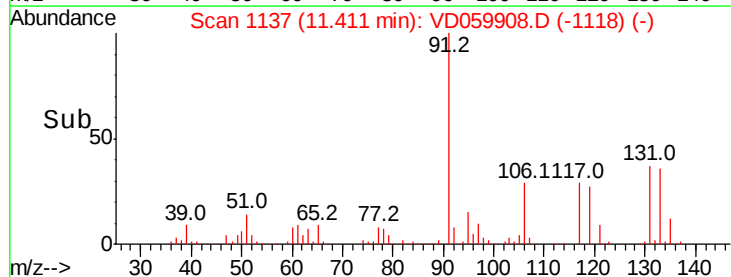
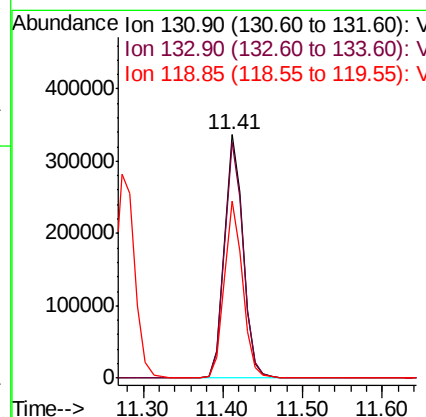
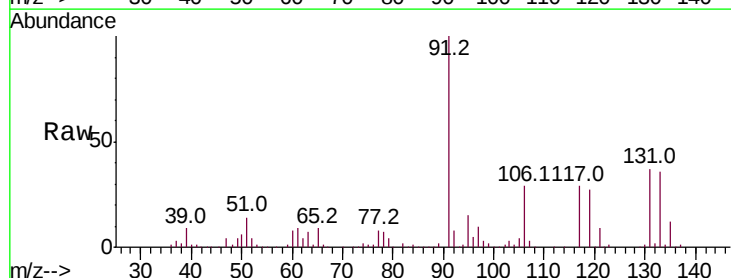
Instrument :
MSVOA_D
ClientSampled :

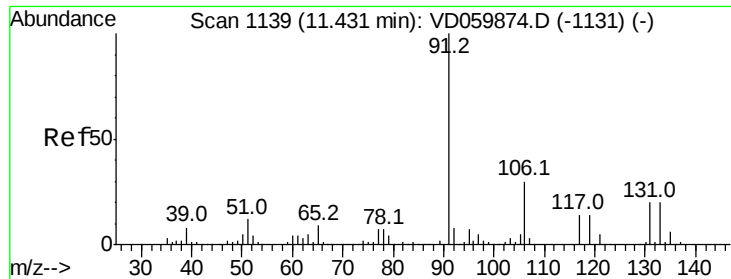
Tot Ion:112 Resp: 1559240
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.874 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion:131 Resp: 560174
Ion Ratio Lower Upper
131 100
133 97.1 48.3 144.8
119 72.6 35.4 106.3

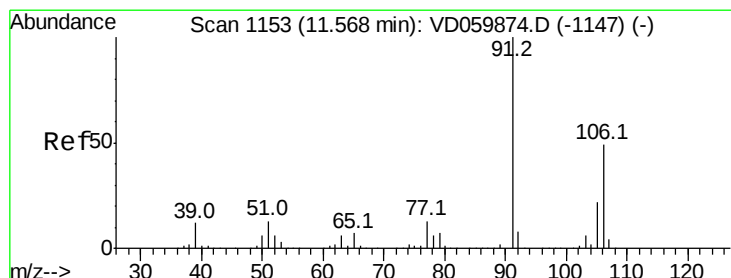
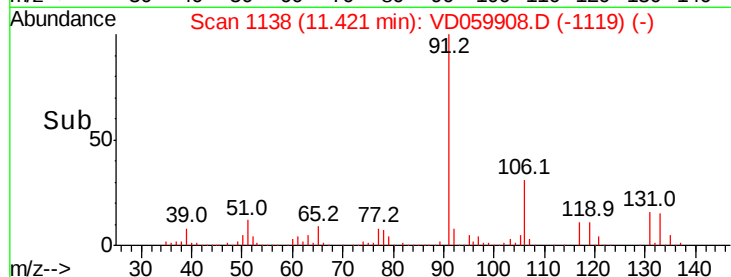
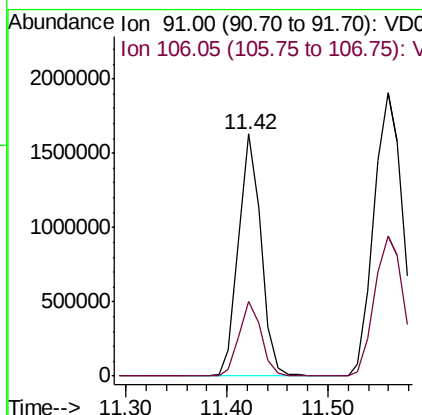
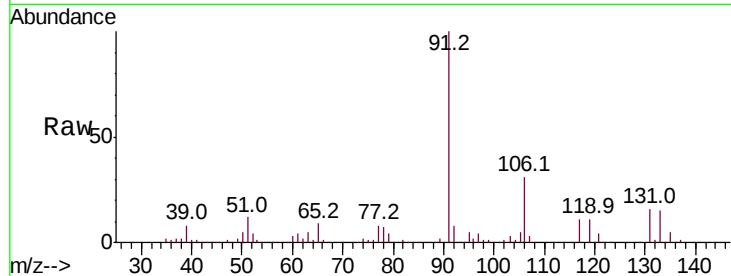




#67
Ethyl Benzene
Concen: 50.892 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

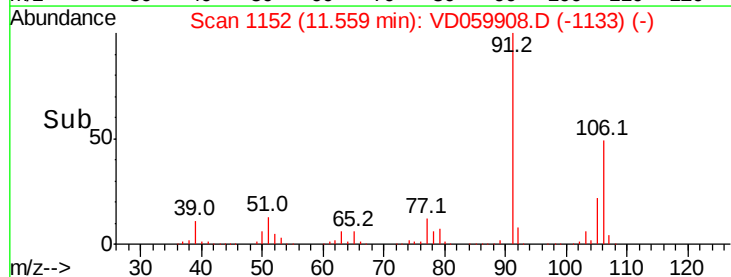
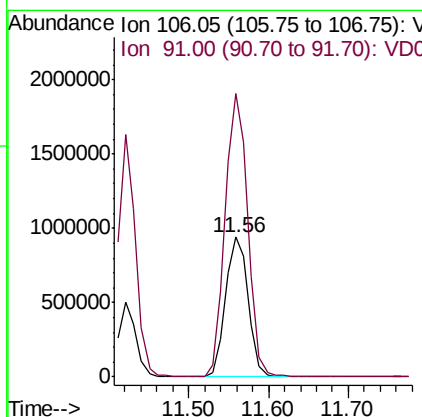
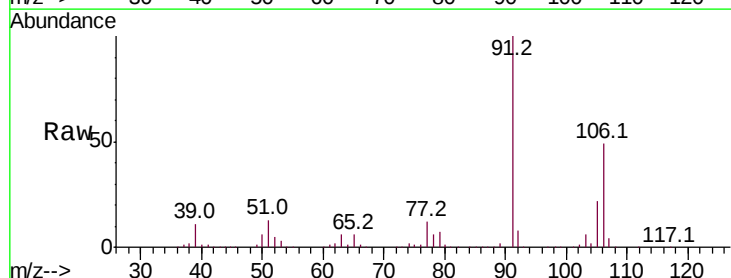
Instrument :
MSVOA_D
ClientSampled :

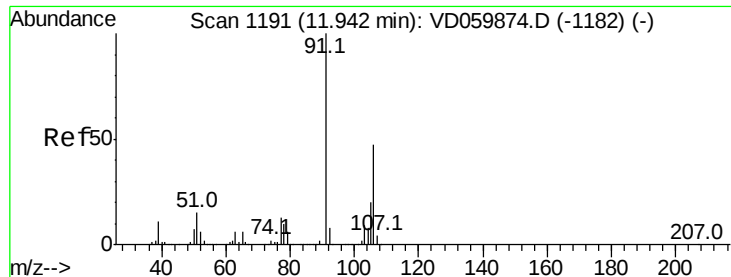
Tot Ion: 91 Resp: 2530702
Ion Ratio Lower Upper
91 100
106 30.7 23.8 35.8



#68
m/p-Xylenes
Concen: 103.857 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion:106 Resp: 1880356
Ion Ratio Lower Upper
106 100
91 202.6 162.0 243.0

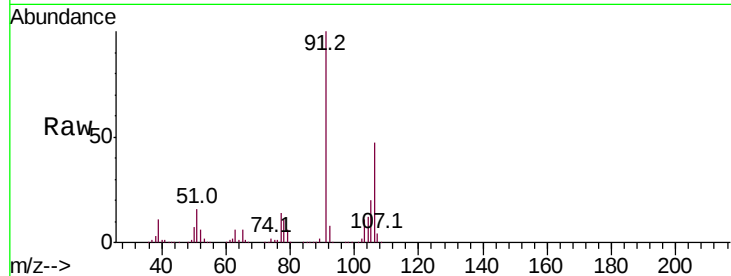




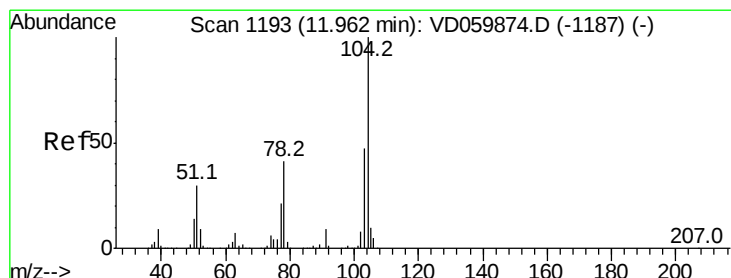
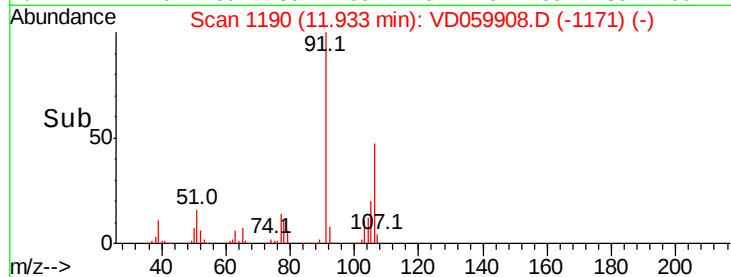
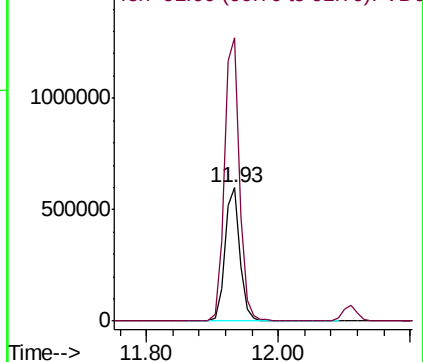
#69
o-Xylene
Concen: 53.353 ug/l
RT: 11.93 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 944764
Ion Ratio Lower Upper
106 100
91 212.7 107.3 322.0

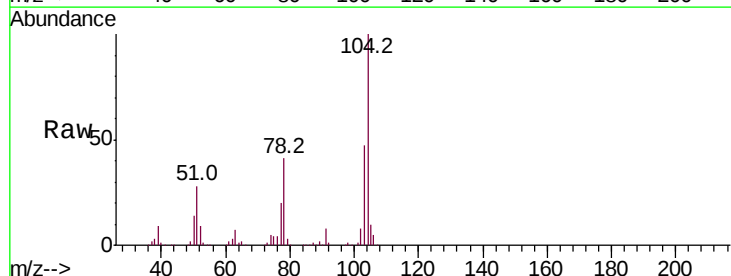


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

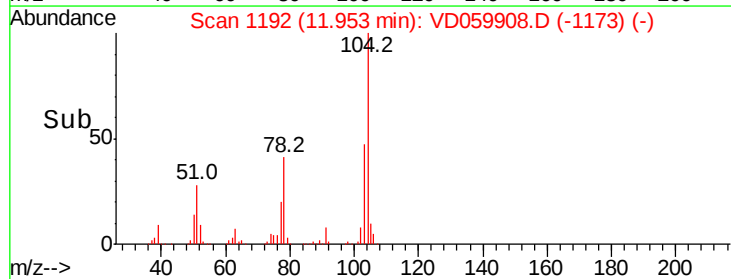
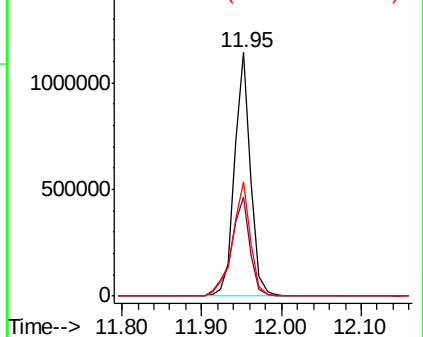


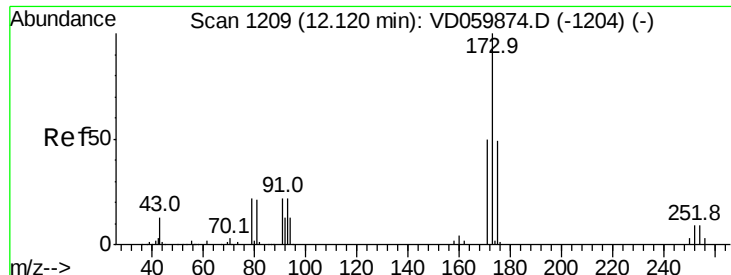
#70
Styrene
Concen: 52.319 ug/l
RT: 11.95 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion:104 Resp: 1604173
Ion Ratio Lower Upper
104 100
78 40.9 32.6 49.0
103 46.8 37.7 56.5



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





#71

Bromoform

Concen: 54.001 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampled :

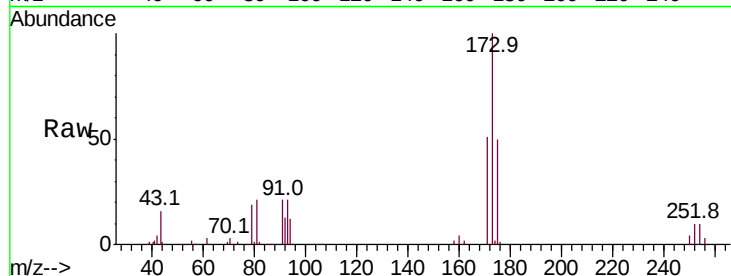
Tot Ion:173 Resp: 504555

Ion Ratio Lower Upper

173 100

175 50.3 24.3 73.0

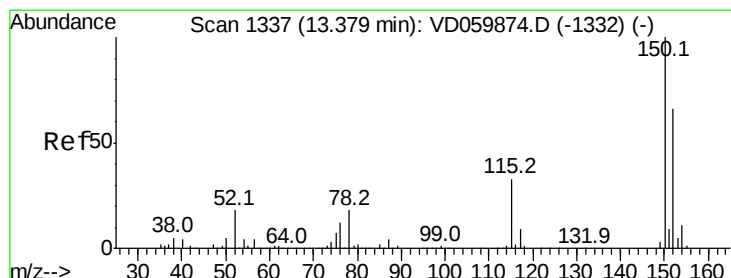
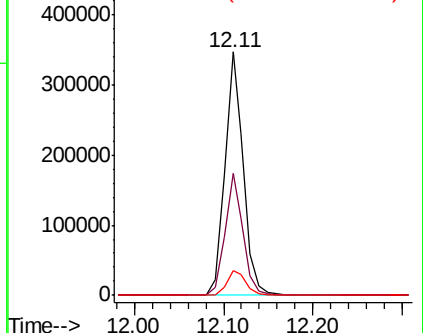
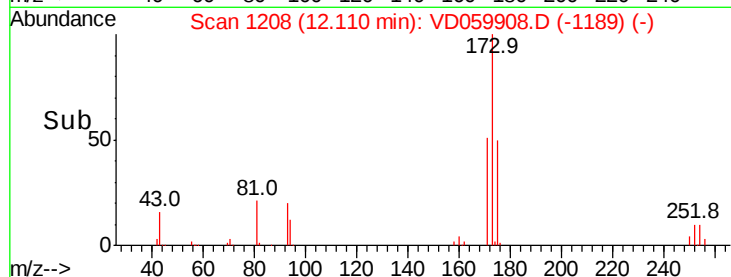
254 9.9 7.0 10.6



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# 1336

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

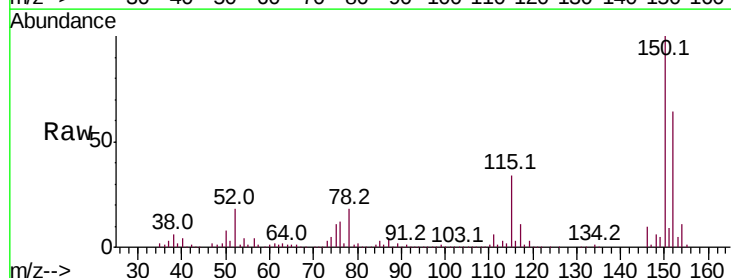
Tgt Ion:152 Resp: 803782

Ion Ratio Lower Upper

152 100

115 52.7 25.7 77.0

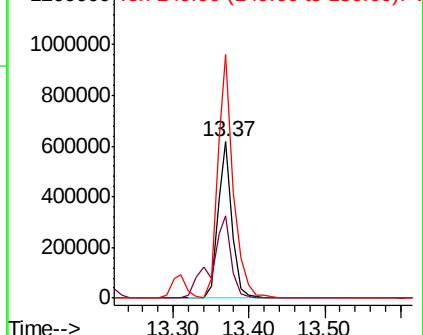
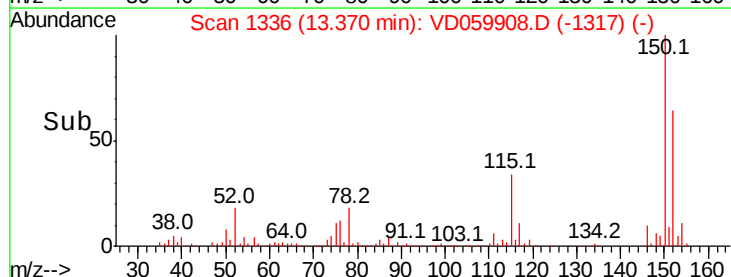
150 155.6 0.0 310.2

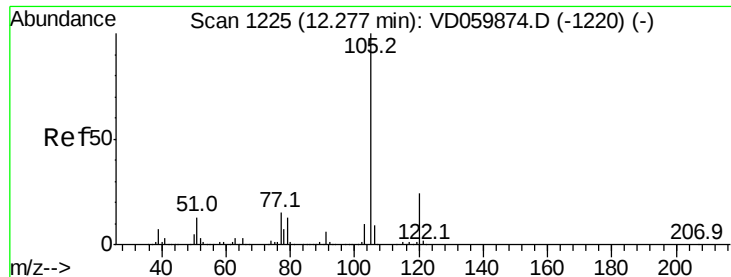


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.643 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

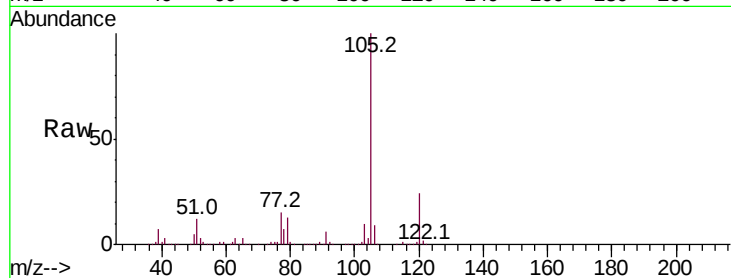
ClientSampleId :

Tot Ion:105 Resp: 2547112

Ion Ratio Lower Upper

105 100

120 23.8 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2000000

1500000

1000000

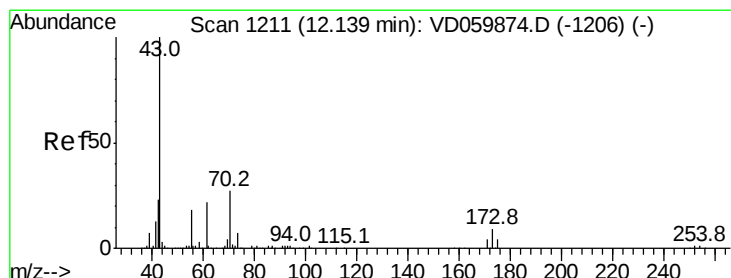
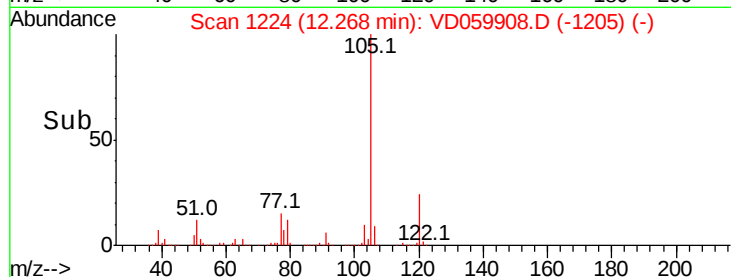
500000

0

12.27

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 50.574 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Tgt Ion: 43 Resp: 1136207

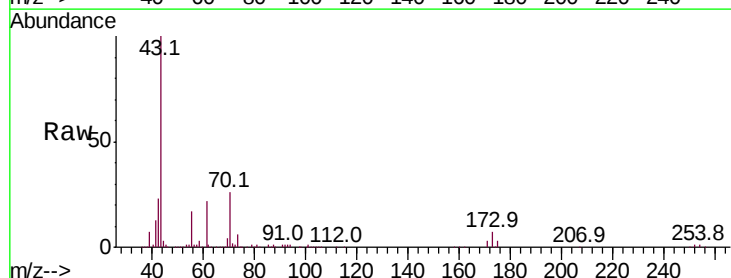
Ion Ratio Lower Upper

43 100

70 26.1 21.4 32.2

55 16.6 14.1 21.1

61 22.2 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

1000000

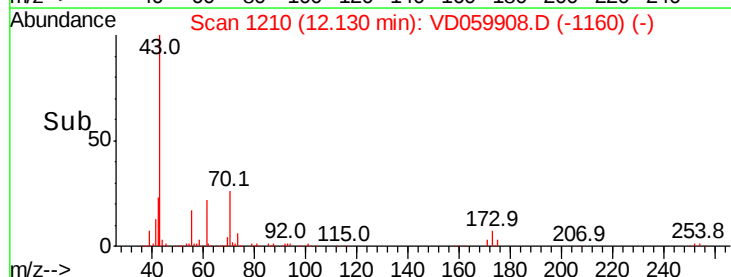
500000

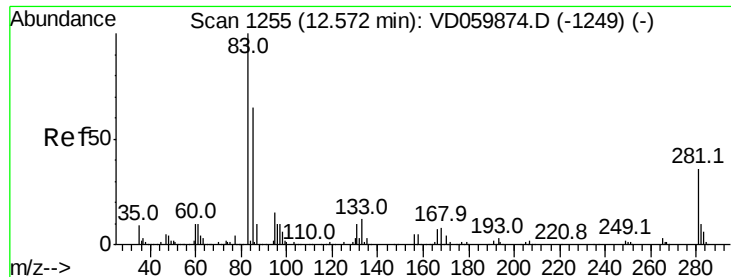
0

12.13

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.297 ug/l

RT: 12.56 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

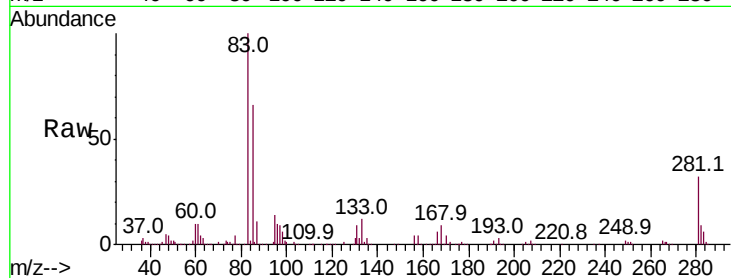
Tot Ion: 83 Resp: 620664

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.4

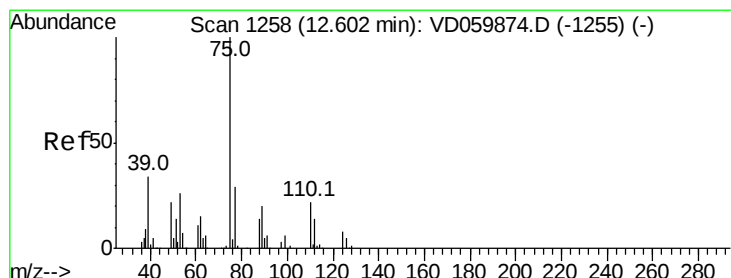
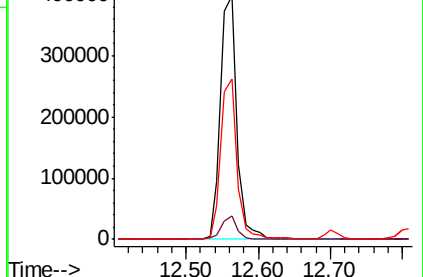
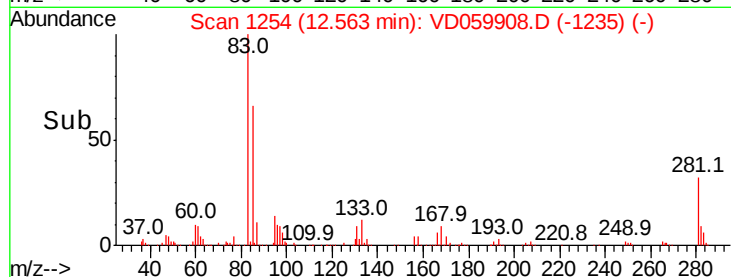
85 65.7 32.6 97.8



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: 51.654 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059908.D

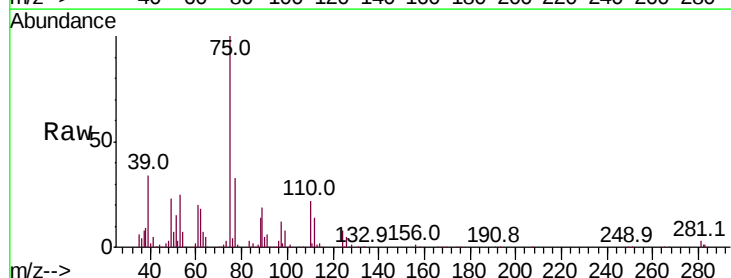
Acq: 27 Aug 2018 11:14

Tgt Ion: 75 Resp: 645297

Ion Ratio Lower Upper

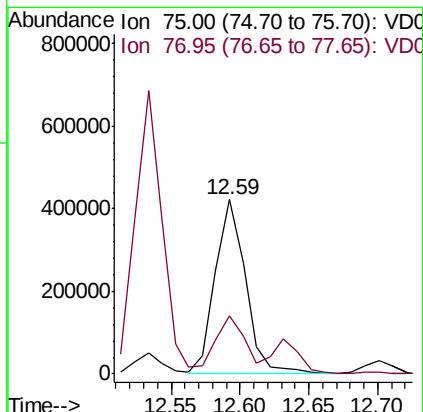
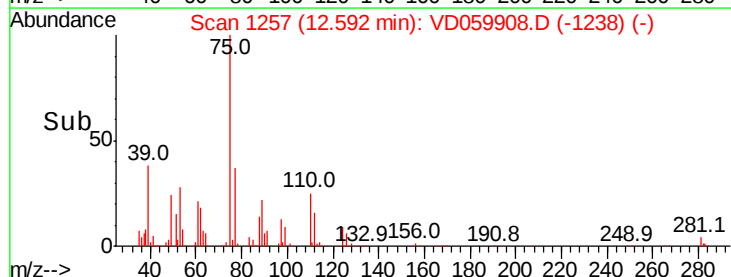
75 100

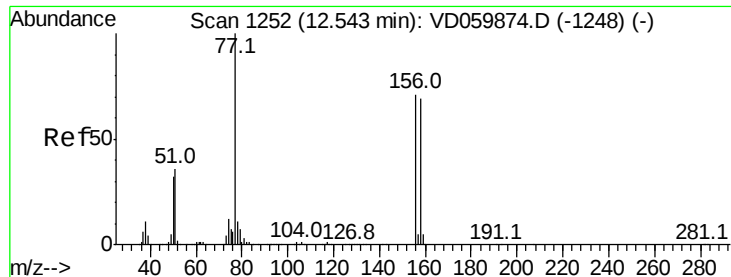
77 33.1 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.447 ug/l

RT: 12.53 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

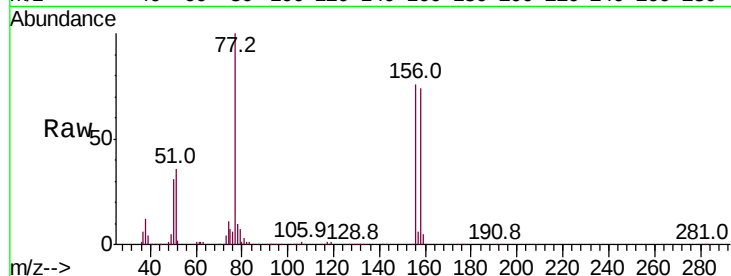
Tot Ion:156 Resp: 746097

Ion Ratio Lower Upper

156 100

77 132.2 70.2 210.4

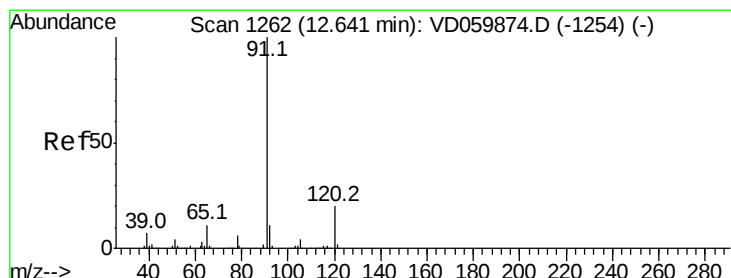
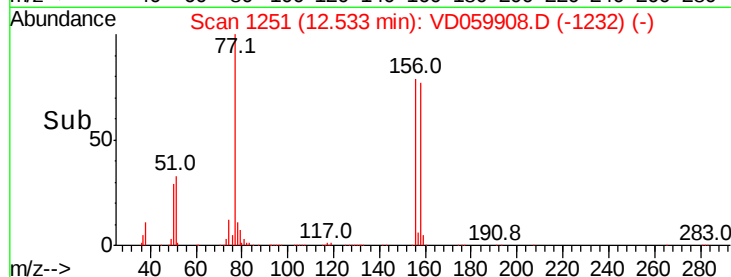
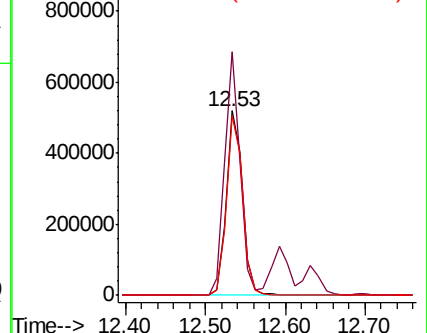
158 97.3 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 48.881 ug/l

RT: 12.63 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD059908.D

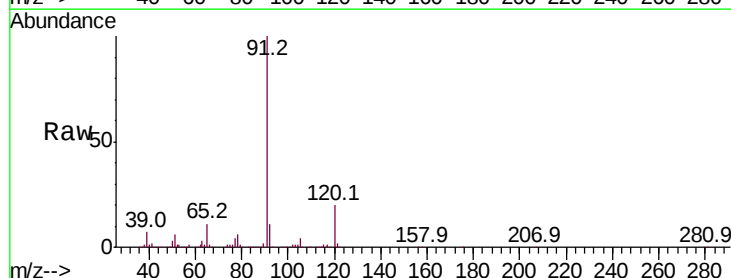
Acq: 27 Aug 2018 11:14

Tgt Ion: 91 Resp: 3175809

Ion Ratio Lower Upper

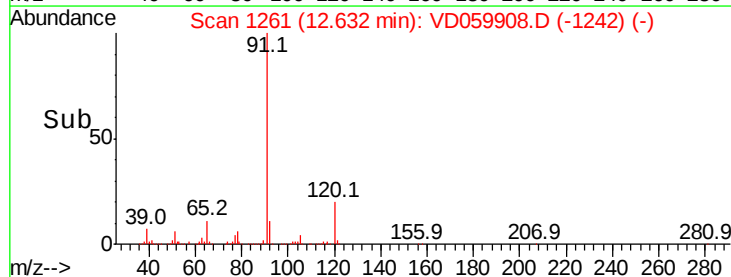
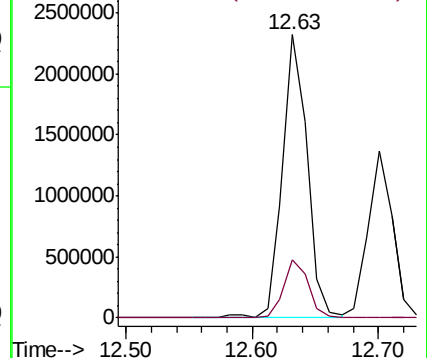
91 100

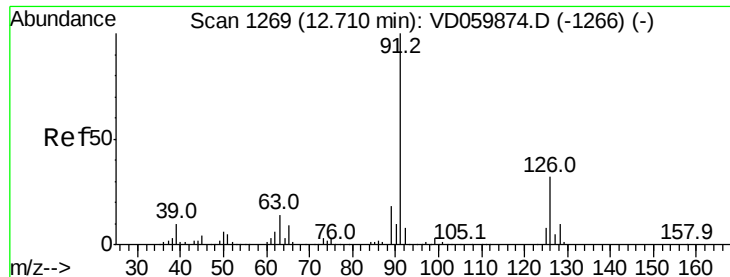
120 20.4 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

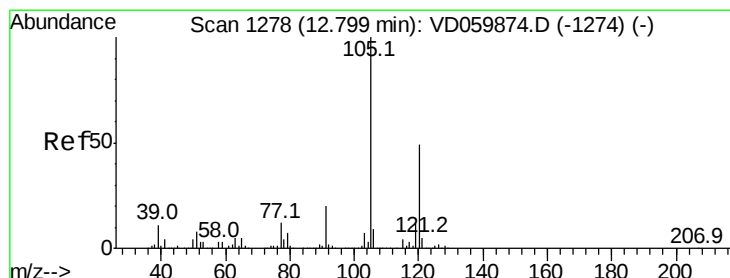
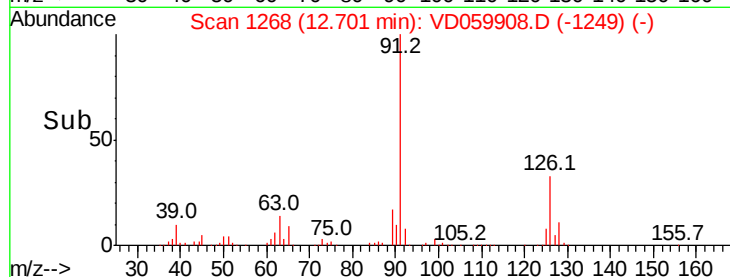
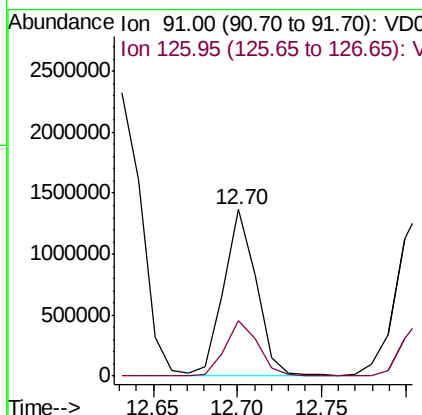
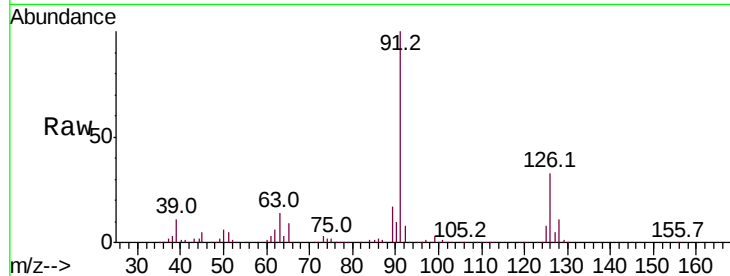




#79
 2-Chlorotoluene
 Concen: 49.998 ug/l
 RT: 12.70 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

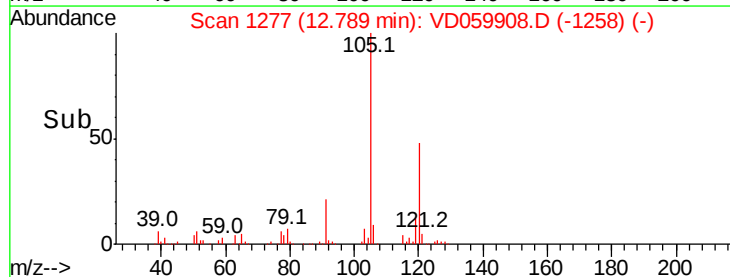
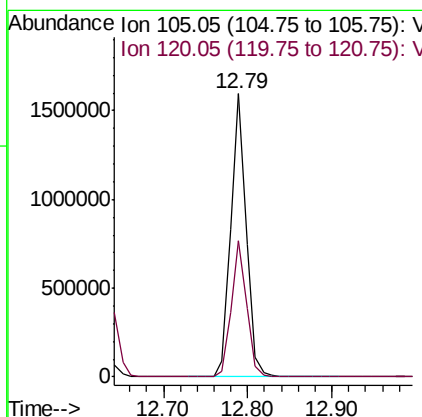
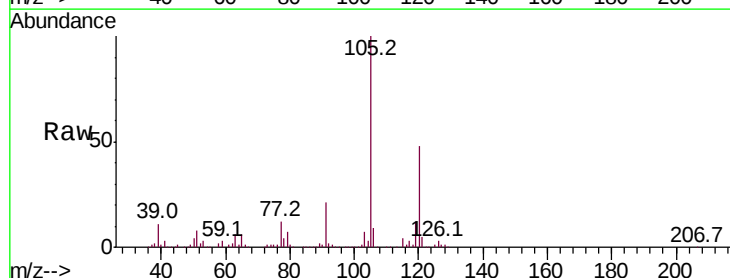
Instrument :
 MSVOA_D
 ClientSampleId :

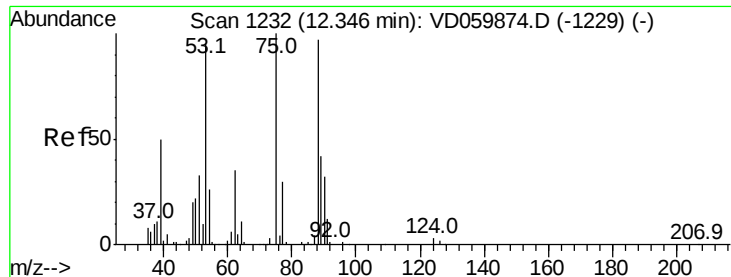
Tot Ion: 91 Resp: 1837053
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 49.329 ug/l
 RT: 12.79 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion:105 Resp: 2012248
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 49.387 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

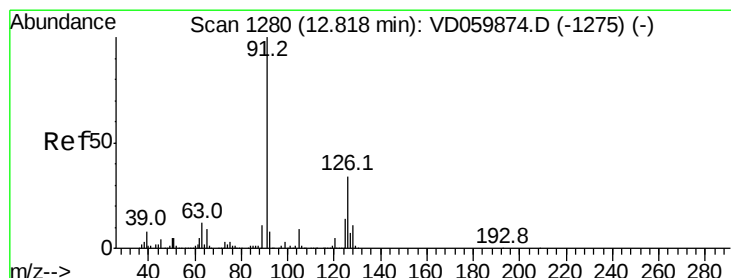
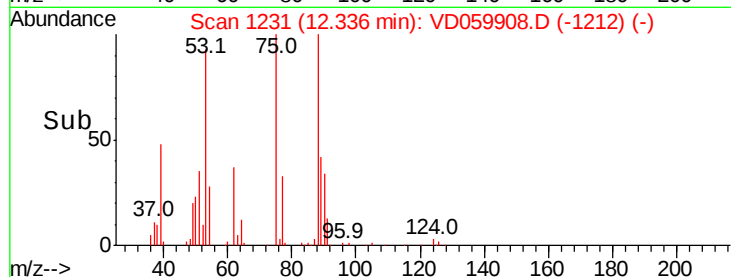
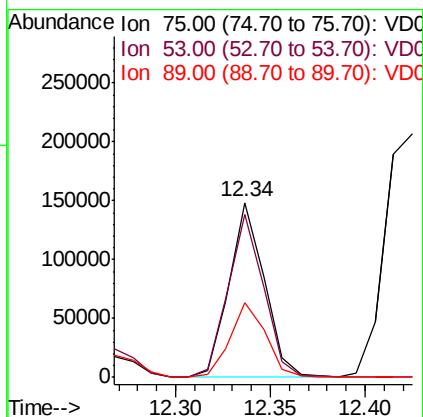
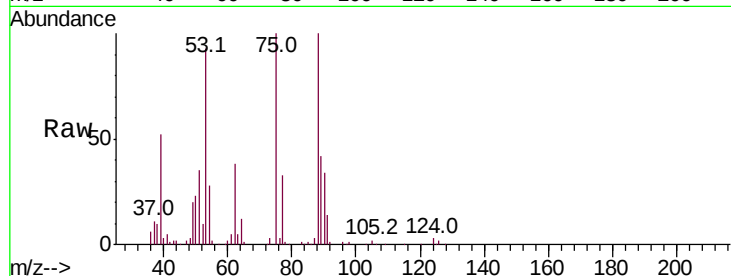
Tot Ion: 75 Resp: 191920

Ion Ratio Lower Upper

75 100

53 93.4 75.8 113.6

89 42.5 33.6 50.4



#82

4-Chlorotoluene

Concen: 49.043 ug/l

RT: 12.81 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VD059908.D

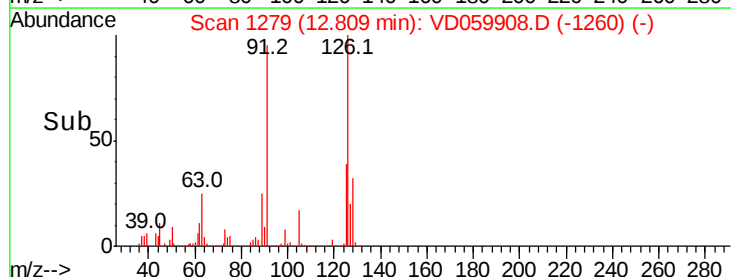
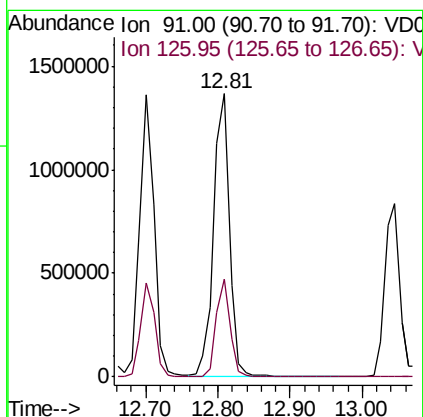
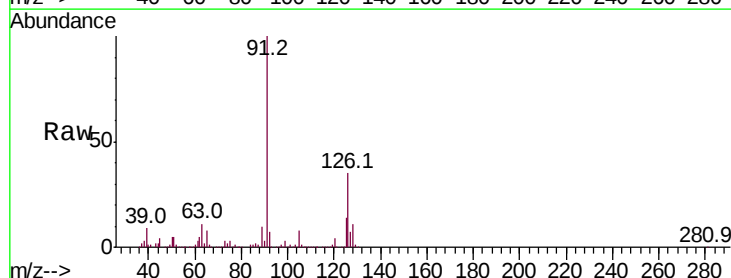
Acq: 27 Aug 2018 11:14

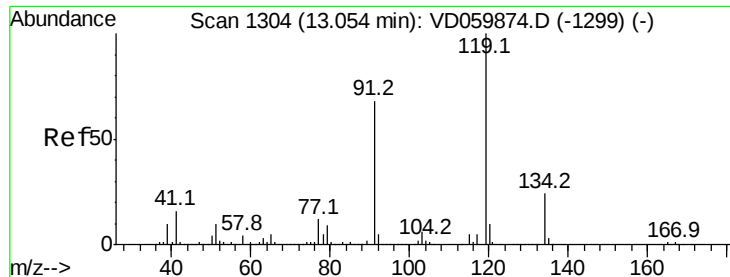
Tgt Ion: 91 Resp: 2055331

Ion Ratio Lower Upper

91 100

126 34.6 17.1 51.2

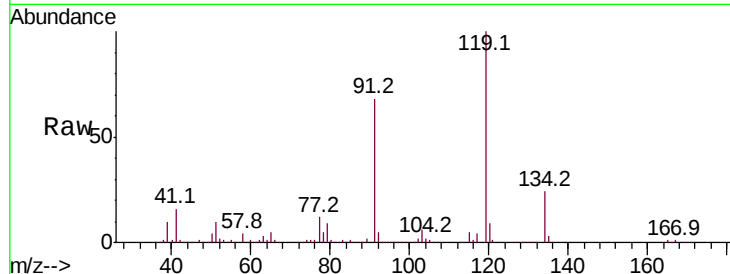




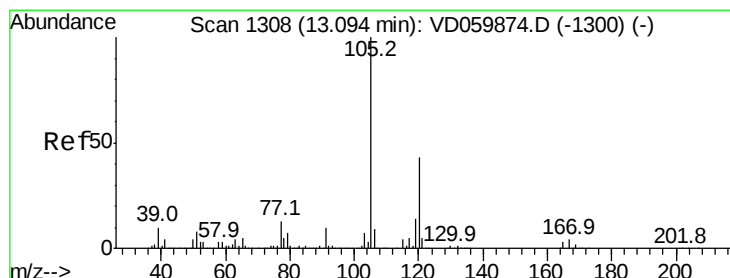
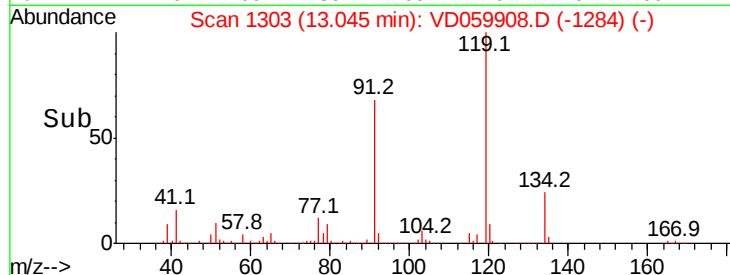
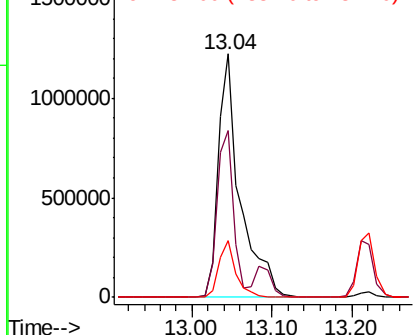
#83
 tert-Butylbenzene
 Concen: 50.496 ug/l
 RT: 13.04 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:119 Resp: 2346502
 Ion Ratio Lower Upper
 119 100
 91 68.4 34.3 102.9
 134 23.5 11.9 35.9

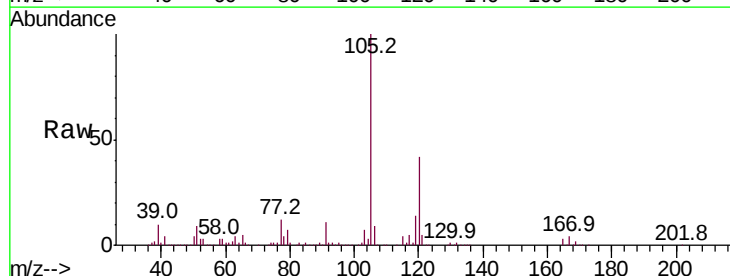


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

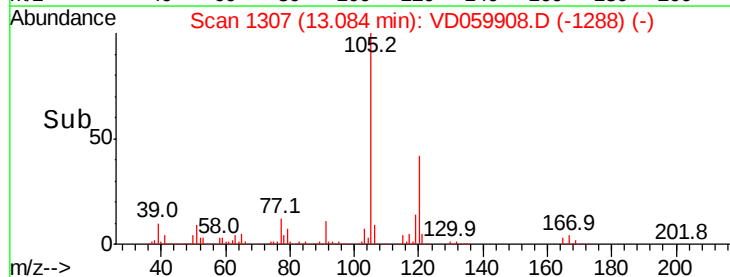
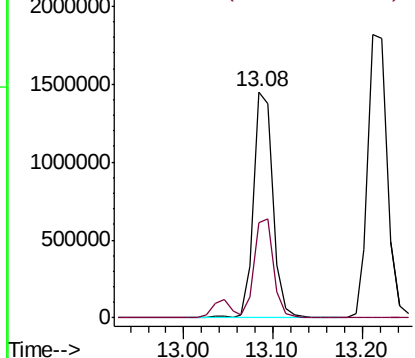


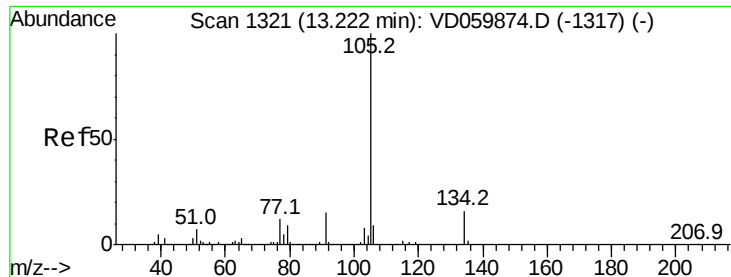
#84
 1,2,4-Trimethylbenzene
 Concen: 50.361 ug/l
 RT: 13.08 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion:105 Resp: 2141253
 Ion Ratio Lower Upper
 105 100
 120 42.3 21.8 65.3



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

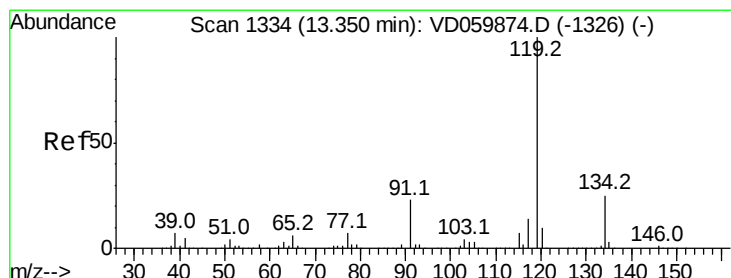
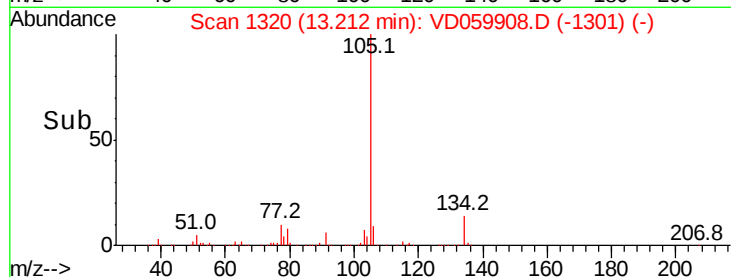
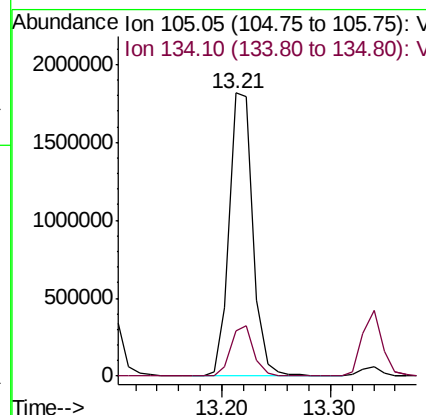
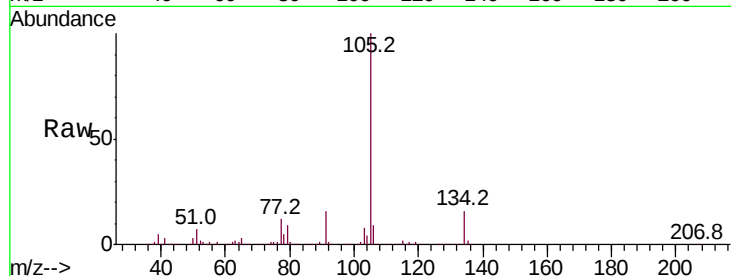




#85
 sec-Butylbenzene
 Concen: 50.447 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

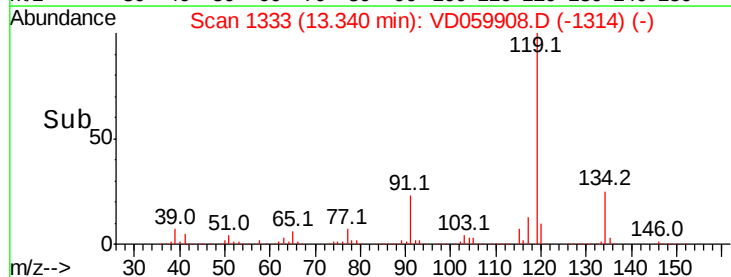
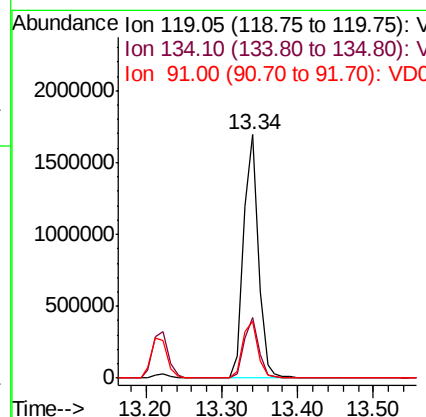
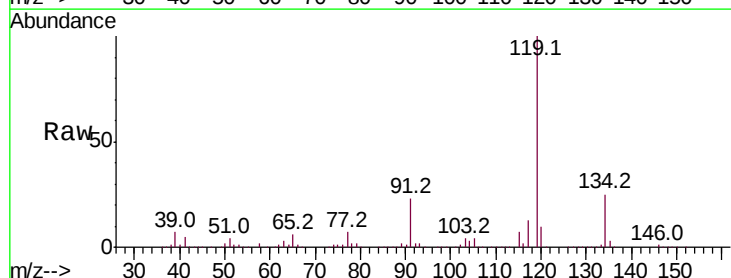
Instrument :
 MSVOA_D
 ClientSampleID :

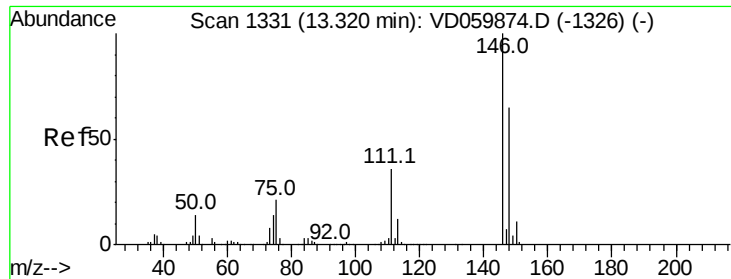
Tot Ion:105 Resp: 2756796
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 50.663 ug/l
 RT: 13.34 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion:119 Resp: 2251607
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.7 38.1
 91 23.3 11.7 35.0

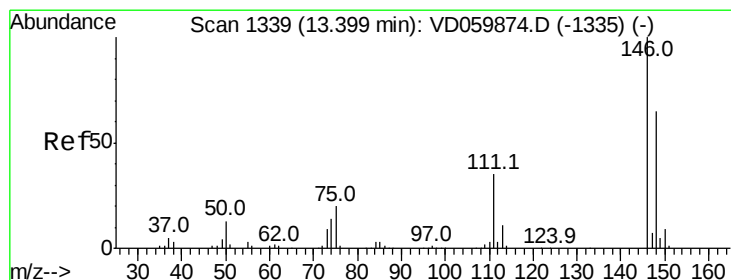
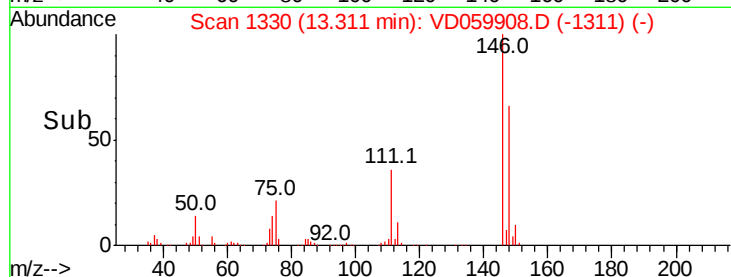
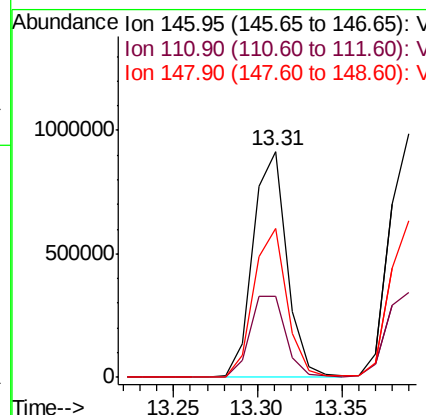
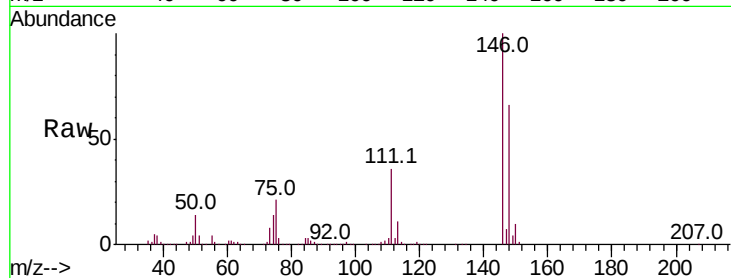




#87
 1,3-Dichlorobenzene
 Concen: 50.312 ug/l
 RT: 13.31 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

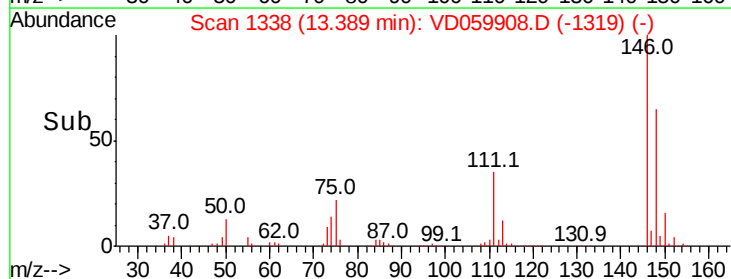
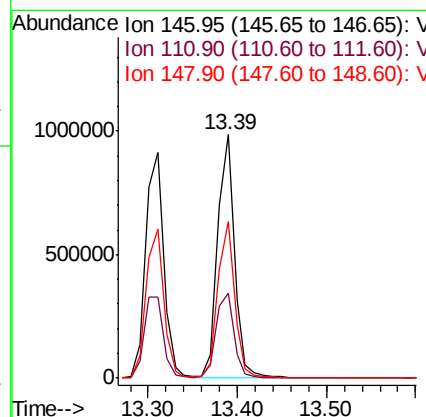
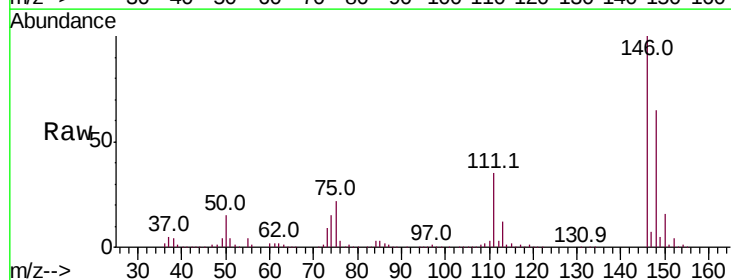
Instrument :
 MSVOA_D
 ClientSampleID :

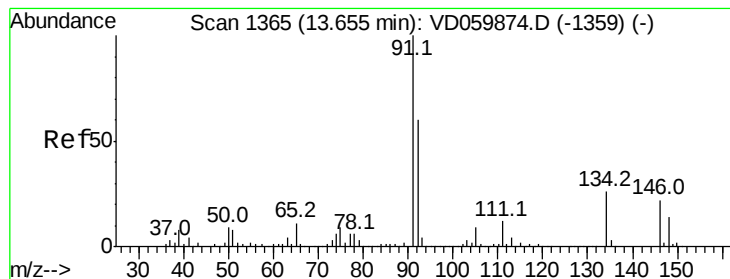
Tot Ion:146 Resp: 1277785
 Ion Ratio Lower Upper
 146 100
 111 35.8 17.9 53.7
 148 65.6 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 51.300 ug/l
 RT: 13.39 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion:146 Resp: 1299890
 Ion Ratio Lower Upper
 146 100
 111 34.8 17.5 52.6
 148 64.5 32.5 97.5





#89

n-Butylbenzene

Concen: 52.908 ug/l

RT: 13.65 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampled :

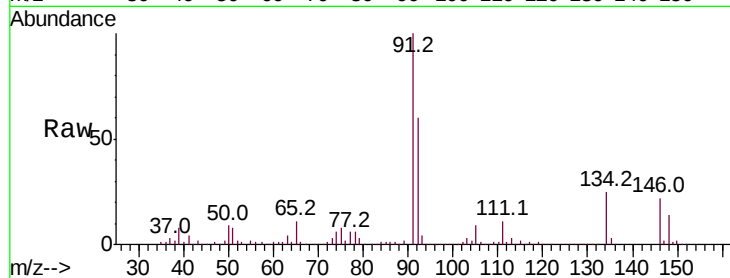
Tot Ion: 91 Resp: 2215971

Ion Ratio Lower Upper

91 100

92 59.9 30.0 90.1

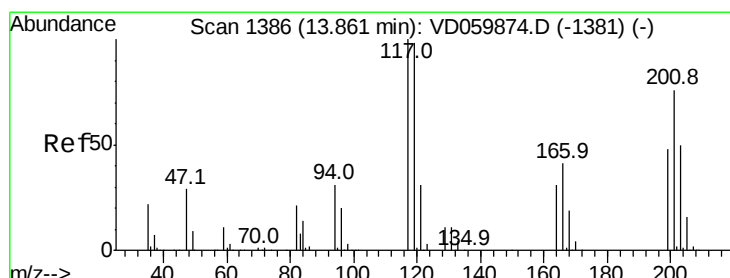
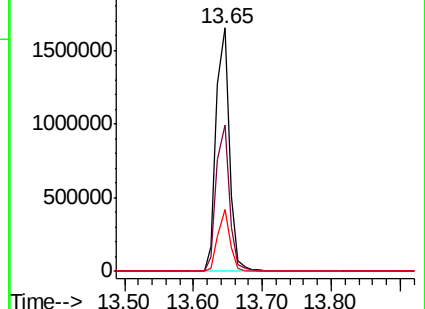
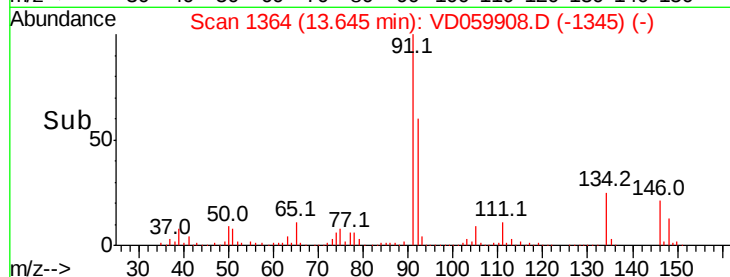
134 25.4 12.8 38.4



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: 49.834 ug/l

RT: 13.85 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VD059908.D

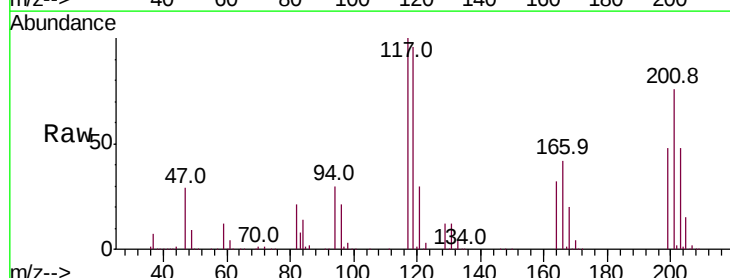
Acq: 27 Aug 2018 11:14

Tgt Ion: 117 Resp: 594684

Ion Ratio Lower Upper

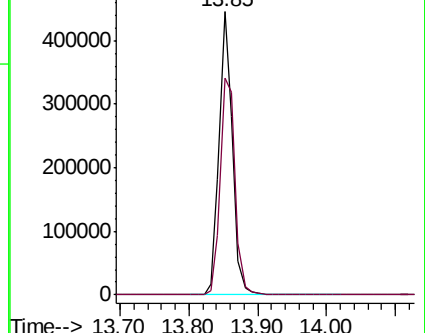
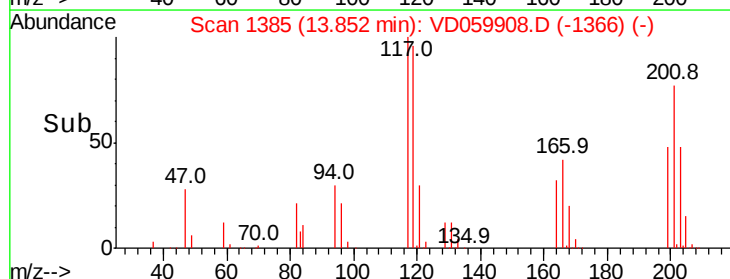
117 100

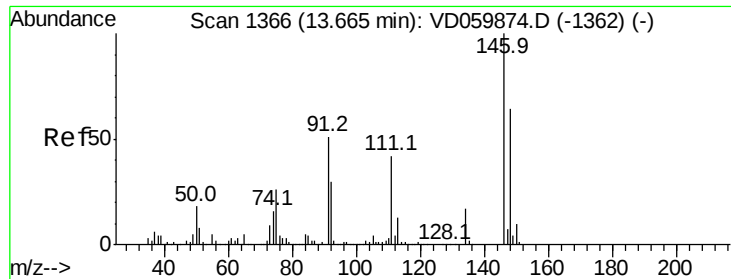
201 76.4 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

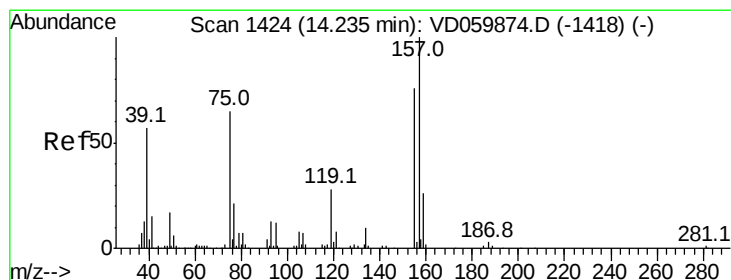
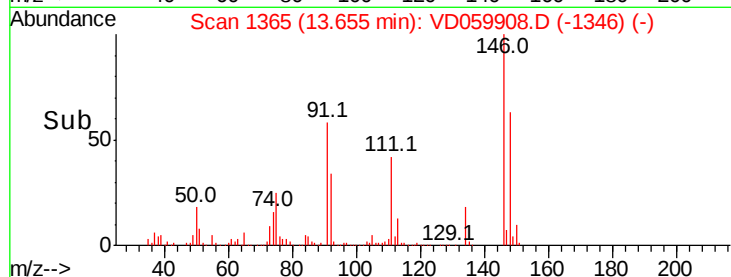
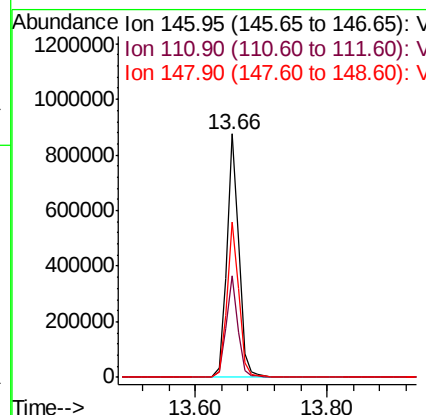
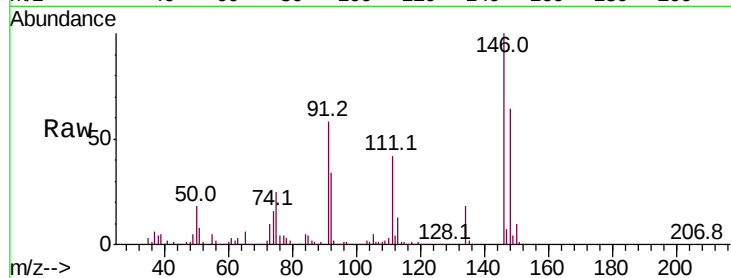




#91
 1,2-Dichlorobenzene
 Concen: 51.628 ug/l
 RT: 13.66 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

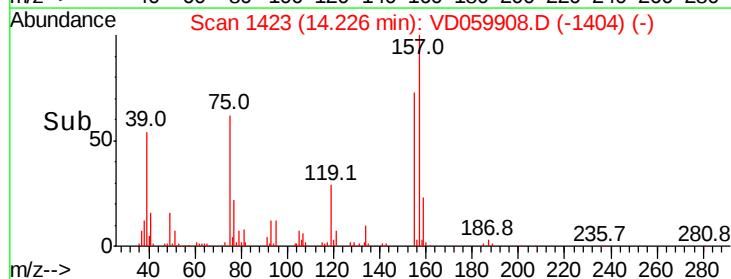
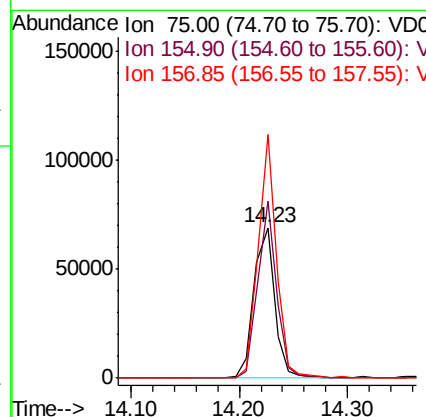
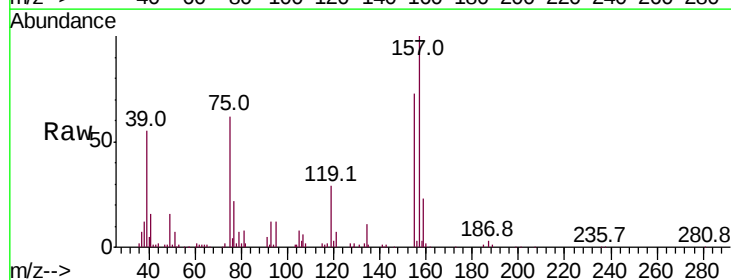
Instrument :
 MSVOA_D
 ClientSampled :

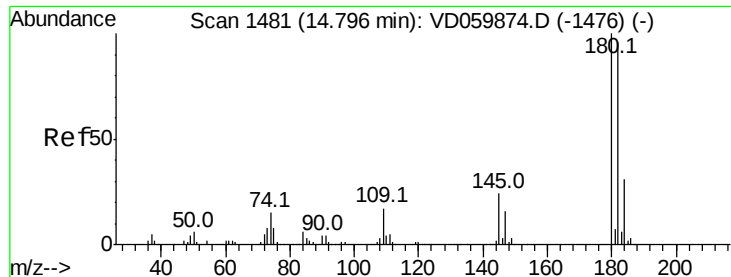
Tot Ion:146 Resp: 1114904
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.1 63.1
 148 63.5 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.962 ug/l
 RT: 14.23 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion: 75 Resp: 92991
 Ion Ratio Lower Upper
 75 100
 155 118.1 58.2 174.6
 157 162.0 76.8 230.4

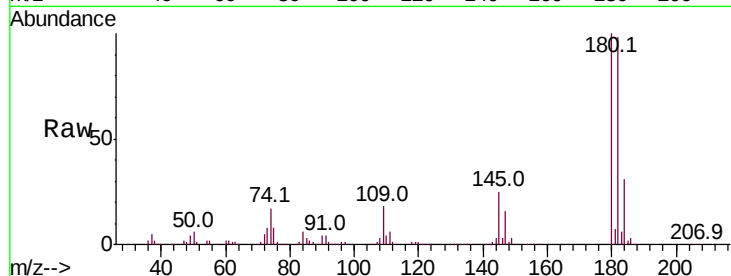




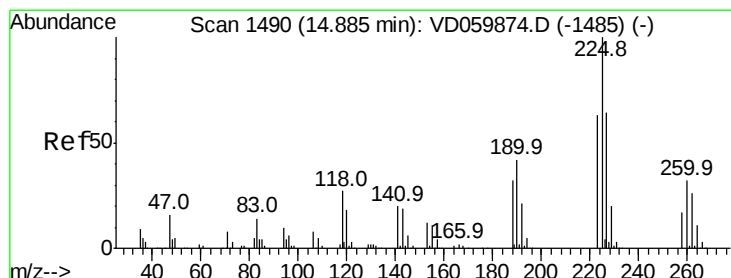
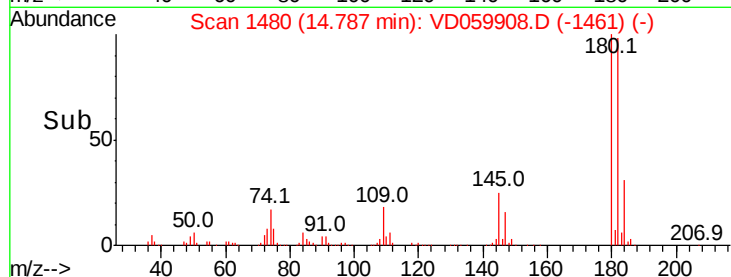
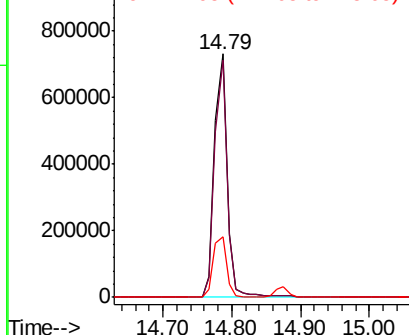
#93
 1,2,4-Trichlorobenzene
 Concen: 51.309 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.9	143.7
145	25.1	12.2	36.4

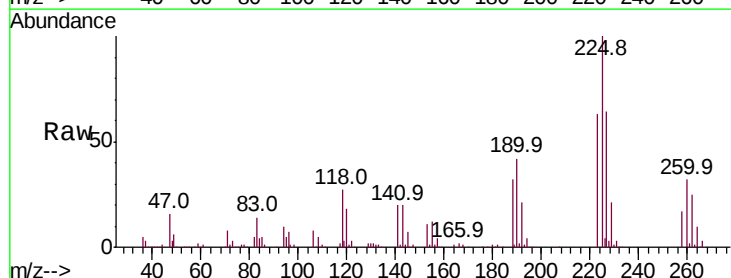


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

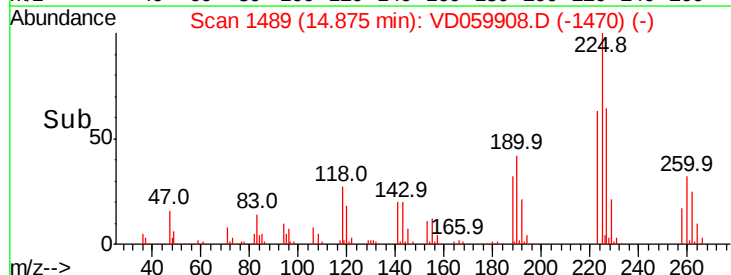
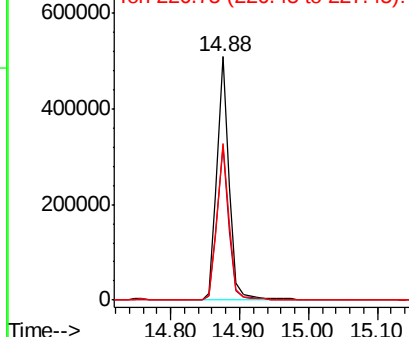


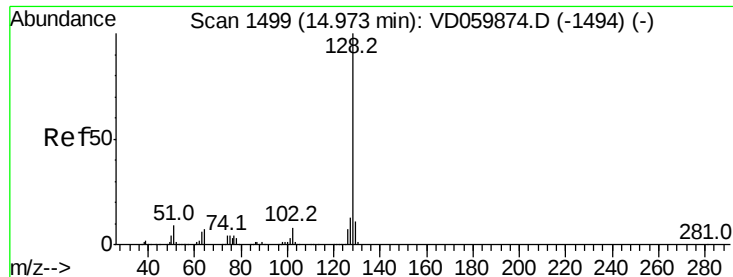
#94
 Hexachlorobutadiene
 Concen: 51.898 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.6	94.8
227	64.3	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

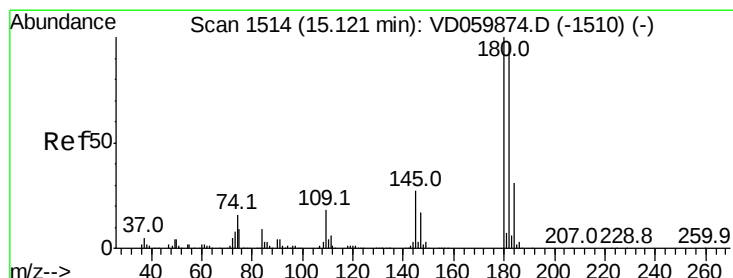
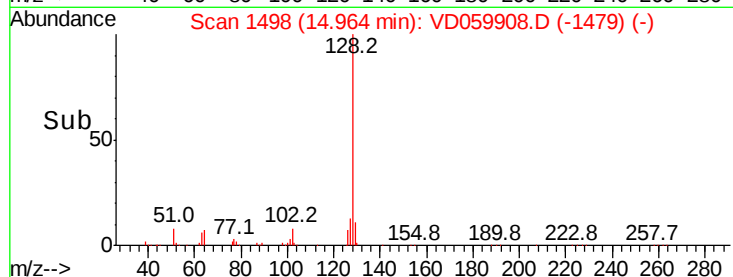
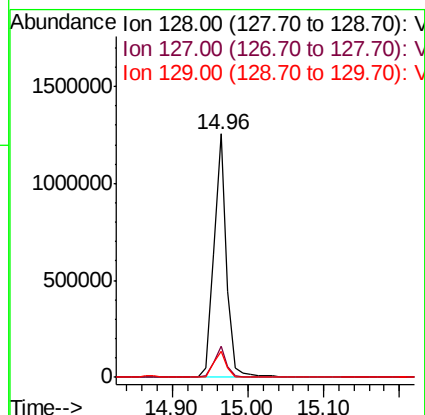
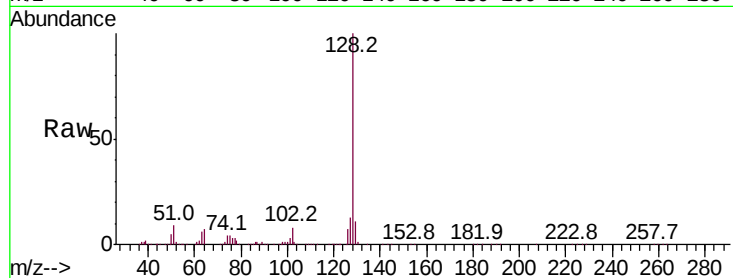




#95
Naphthalene
Concen: 52.836 ug/l
RT: 14.96 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 1492942
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 51.027 ug/l
RT: 15.11 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion:180 Resp: 806932
Ion Ratio Lower Upper
180 100
182 97.3 48.6 145.8
145 27.0 13.6 40.8

