

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059881.D
 Acq On : 23 Aug 2018 11:01
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 23 14:40:58 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	6.40	168	1332463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1848367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1537409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	799500	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	560848	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
35) Dibromofluoromethane	6.32	113	739134	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
50) Toluene-d8	9.45	98	2060658	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.43	95	807470	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	581133	48.790	ug/l	97
3) Chloromethane	1.76	50	551810	51.140	ug/l	99
4) Vinyl Chloride	1.85	62	456849	53.997	ug/l	99
5) Bromomethane	2.14	94	72125	49.376	ug/l	96
6) Chloroethane	2.25	64	130091	46.892	ug/l	96
7) Trichlorofluoromethane	2.51	101	518361	52.960	ug/l	98
8) Diethyl Ether	2.82	74	110601	50.368	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.09	101	318960	53.211	ug/l	99
10) Methyl Iodide	3.24	142	323496	50.615	ug/l	100
11) Tert butyl alcohol	3.96	59	202313	236.093	ug/l	99
12) 1,1-Dichloroethene	3.07	96	250195	53.616	ug/l	98
13) Acrolein	2.98	56	98955	266.246	ug/l	96
14) Allyl chloride	3.53	41	550674	52.163	ug/l	96
15) Acrylonitrile	4.08	53	760044	236.850	ug/l	100
16) Acetone	3.16	43	615413	300.775	ug/l	98
17) Carbon Disulfide	3.31	76	790004	54.541	ug/l	98
18) Methyl Acetate	3.55	43	209705	49.096	ug/l	97
19) Methyl tert-butyl Ether	4.12	73	1289108	48.833	ug/l	100
20) Methylene Chloride	3.72	84	666675	48.723	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	632160	49.168	ug/l	98
22) Diisopropyl ether	4.85	45	2674168	49.669	ug/l	96
23) Vinyl Acetate	4.80	43	7390959	245.569	ug/l	99
24) 1,1-Dichloroethane	4.75	63	1162653	49.986	ug/l	99
25) 2-Butanone	5.62	43	1566261	258.464	ug/l	99
26) 2,2-Dichloropropane	5.59	77	970465	49.910	ug/l	98
27) cis-1,2-Dichloroethene	5.59	96	704000	50.009	ug/l	99
28) Bromochloromethane	5.92	49	575969	51.668	ug/l	99
29) Tetrahydrofuran	5.95	42	708745	245.669	ug/l	99
30) Chloroform	6.10	83	1202618	50.876	ug/l	98
31) Cyclohexane	6.36	56	1024862	47.928	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	1006351	50.162	ug/l	99
36) 1,1-Dichloropropene	6.52	75	838590	50.048	ug/l	98
37) Ethyl Acetate	5.69	43	631151	48.407	ug/l	97
38) Carbon Tetrachloride	6.50	117	839941	49.673	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	916202	50.610	ug/l	100
40) Benzene	6.79	78	2159944	49.576	ug/l	100
41) Methacrylonitrile	5.94	41	718563	109.406	ug/l #	85
42) 1,2-Dichloroethane	6.89	62	710819	50.822	ug/l	99
43) Isopropyl Acetate	8.35	43	828784	48.860	ug/l	100
44) Trichloroethene	7.74	130	647030	50.439	ug/l	97
45) 1,2-Dichloropropane	8.11	63	601292	49.375	ug/l	99
46) Dibromomethane	8.21	93	389542	49.748	ug/l	98
47) Bromodichloromethane	8.49	83	896163	50.555	ug/l	99
48) Methyl methacrylate	8.24	41	481409	48.686	ug/l	100
49) 1,4-Dioxane	8.22	88	83866	950.007	ug/l	94
51) 4-Methyl-2-Pentanone	9.34	43	3294522	260.520	ug/l	99
52) Toluene	9.55	92	1421859	50.895	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	830994	50.683	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	947172	49.825	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	452265	44.288	ug/l	98
56) Ethyl methacrylate	10.03	69	572550	48.580	ug/l	99
57) 1,3-Dichloropropane	10.38	76	724487	49.017	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1399930	247.610	ug/l	97
59) 2-Hexanone	10.49	43	2385043	255.702	ug/l	99
60) Dibromochloromethane	10.64	129	640570	49.906	ug/l	97
61) 1,2-Dibromoethane	10.76	107	501660	48.584	ug/l	100
64) Tetrachloroethene	10.25	164	592764	49.864	ug/l	99
65) Chlorobenzene	11.31	112	1540740	50.432	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	558069	49.999	ug/l	99
67) Ethyl Benzene	11.43	91	2609224	50.765	ug/l	99
68) m/p-Xylenes	11.57	106	1901257	101.598	ug/l	98
69) o-Xylene	11.93	106	932953	50.973	ug/l	98
70) Styrene	11.95	104	1607374	50.719	ug/l	98
71) Bromoform	12.11	173	484167	50.134	ug/l	99
73) Isopropylbenzene	12.28	105	2569648	50.350	ug/l	99
74) N-amyl acetate	12.13	43	1086751	48.632	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	569343	48.230	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	604153	48.620	ug/l	97
77) Bromobenzene	12.54	156	714778	50.515	ug/l	85
78) n-propylbenzene	12.63	91	3218418	49.802	ug/l	97
79) 2-Chlorotoluene	12.70	91	1865760	51.051	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	1960297	48.312	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	186440	48.234	ug/l	97
82) 4-Chlorotoluene	12.81	91	1990966	47.761	ug/l	97
83) tert-Butylbenzene	13.05	119	2286250	49.463	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	2083771	49.271	ug/l	98
85) sec-Butylbenzene	13.22	105	2710793	49.871	ug/l	98
86) p-Isopropyltoluene	13.34	119	2203549	49.847	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1243858	49.238	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1233469	48.939	ug/l	98
89) n-Butylbenzene	13.65	91	2199030	52.753	ug/l	99
90) Hexachloroethane	13.85	117	586540	49.414	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	1039023	48.372	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	89547	49.338	ug/l	88

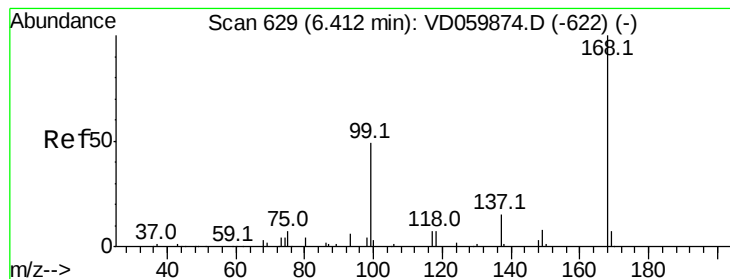
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082318\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	893342	48.574	ug/l	99
94) Hexachlorobutadiene	14.88	225	621717	51.570	ug/l	99
95) Naphthalene	14.96	128	1385551	49.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	757945	48.186	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 628

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

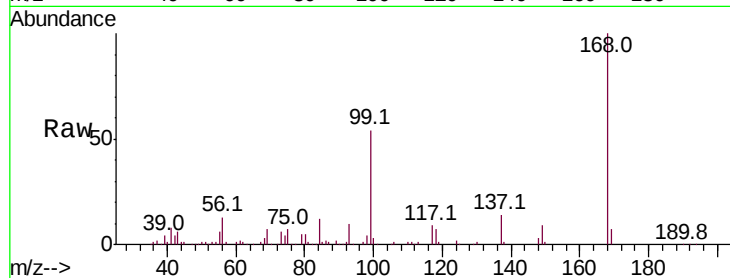
VSTDCCC050

Tot Ion:168 Resp: 1332463

Ion Ratio Lower Upper

168 100

99 53.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

300000

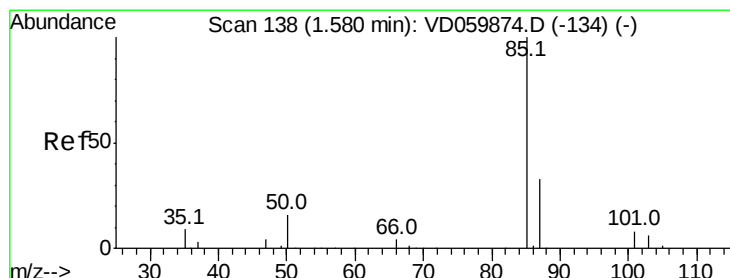
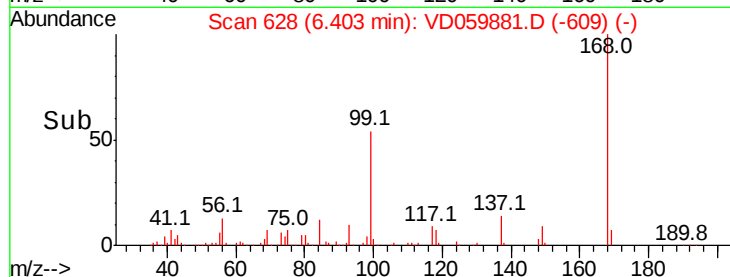
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 48.790 ug/l

RT: 1.58 min Scan# 138

Delta R.T. 0.00 min

Lab File: VD059881.D

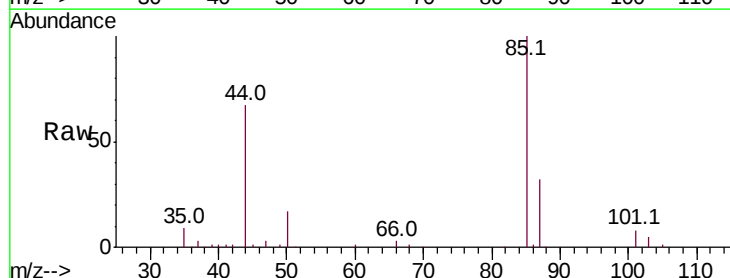
Acq: 23 Aug 2018 11:01

Tgt Ion: 85 Resp: 581133

Ion Ratio Lower Upper

85 100

87 31.9 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

200000

150000

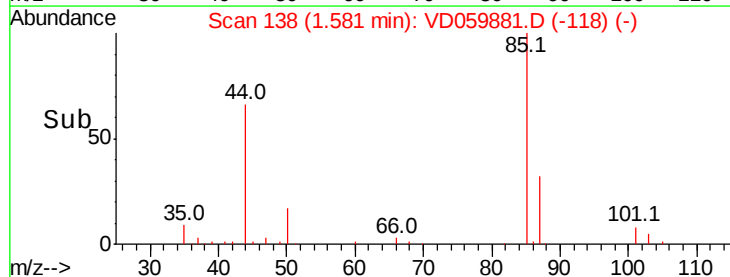
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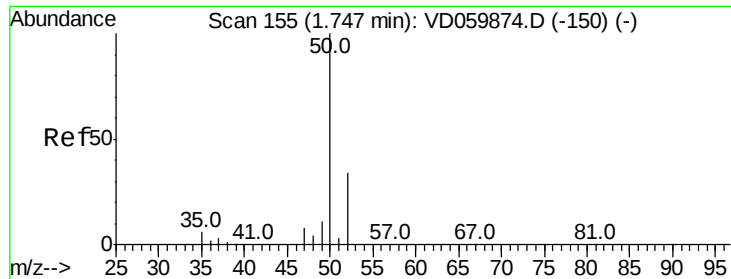
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 51.140 ug/l

RT: 1.76 min Scan# 156

Delta R.T. 0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

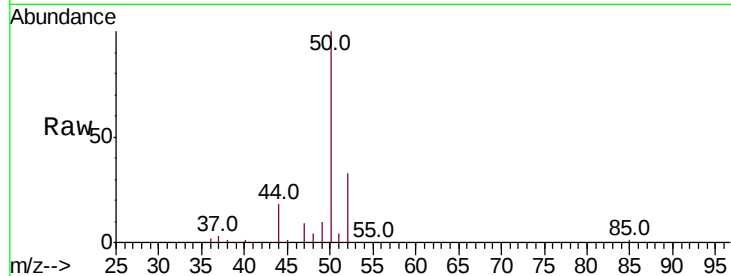
VSTDCCC050

Tot Ion: 50 Resp: 551810

Ion Ratio Lower Upper

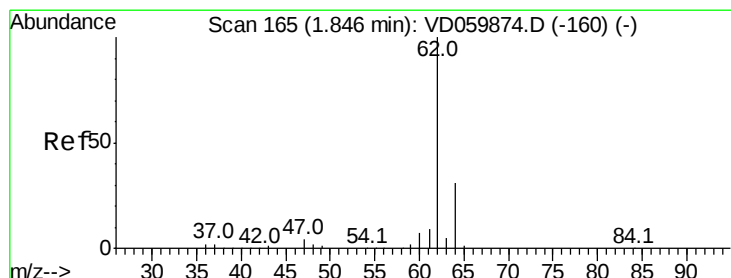
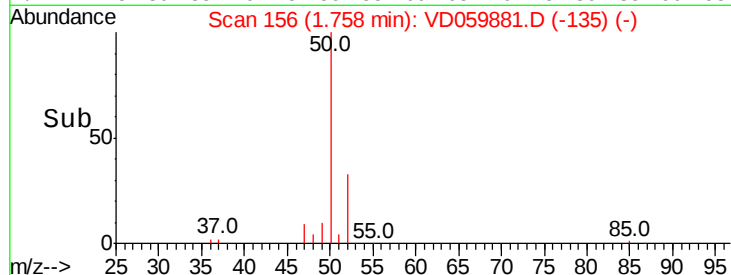
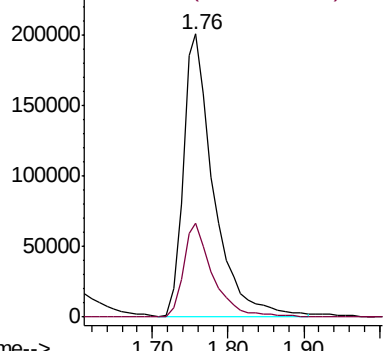
50 100

52 33.3 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: 53.997 ug/l

RT: 1.85 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD059881.D

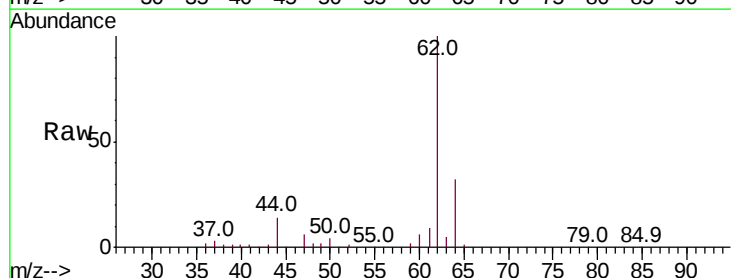
Acq: 23 Aug 2018 11:01

Tgt Ion: 62 Resp: 456849

Ion Ratio Lower Upper

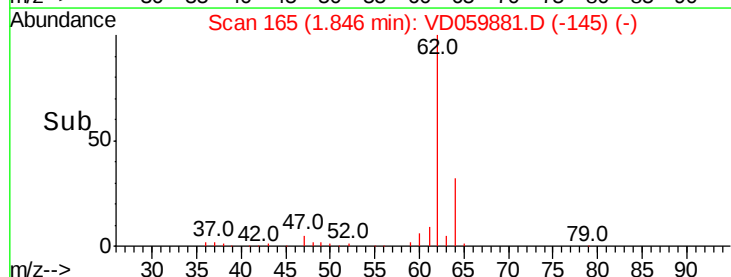
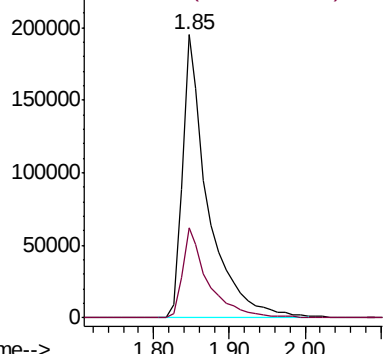
62 100

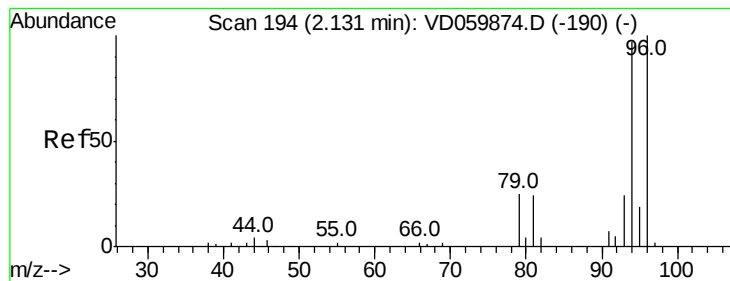
64 31.8 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 49.376 ug/l

RT: 2.14 min Scan# 195

Delta R.T. 0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

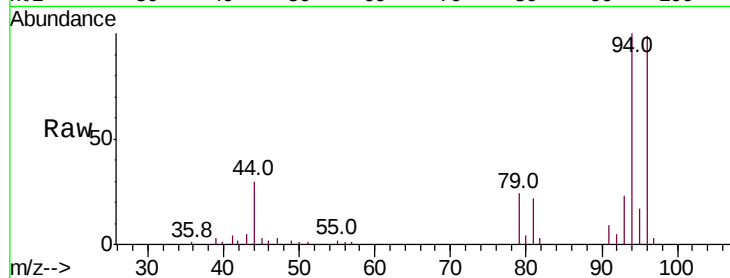
VSTDCCC050

Tot Ion: 94 Resp: 72125

Ion Ratio Lower Upper

94 100

96 99.3 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.14

25000

20000

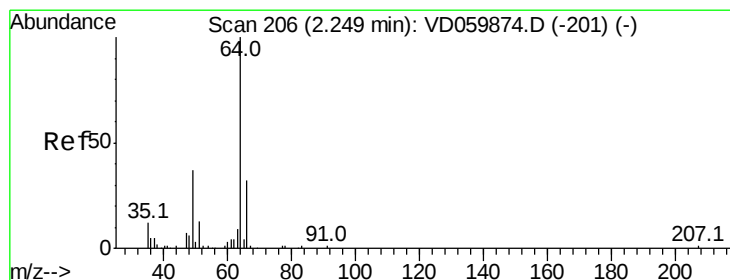
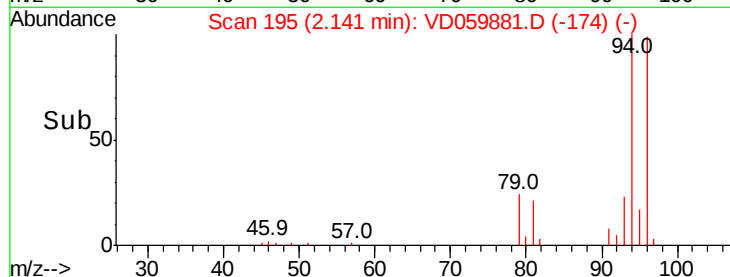
15000

10000

5000

0

Time--> 2.00 2.10 2.20 2.30



#6

Chloroethane

Concen: 46.892 ug/l

RT: 2.25 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD059881.D

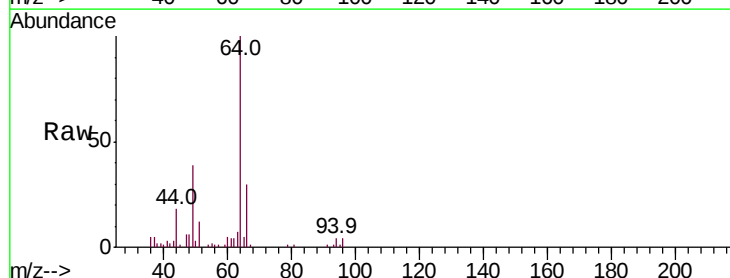
Acq: 23 Aug 2018 11:01

Tgt Ion: 64 Resp: 130091

Ion Ratio Lower Upper

64 100

66 29.6 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.25

50000

40000

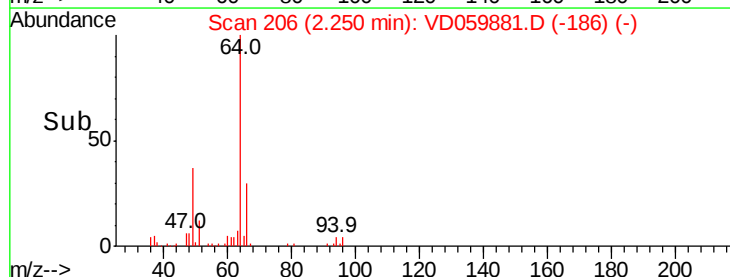
30000

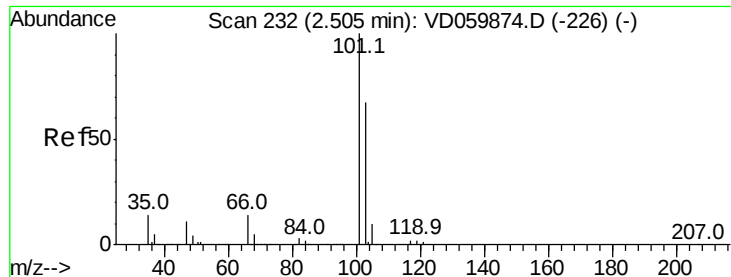
20000

10000

0

Time--> 2.10 2.20 2.30 2.40



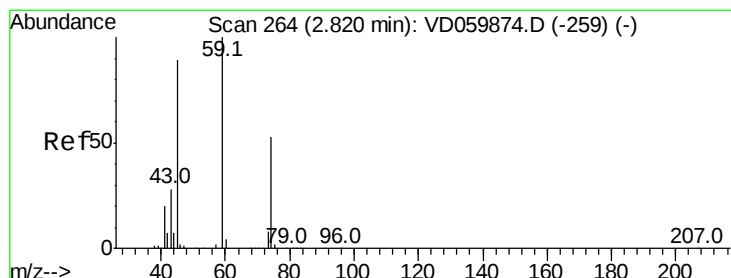
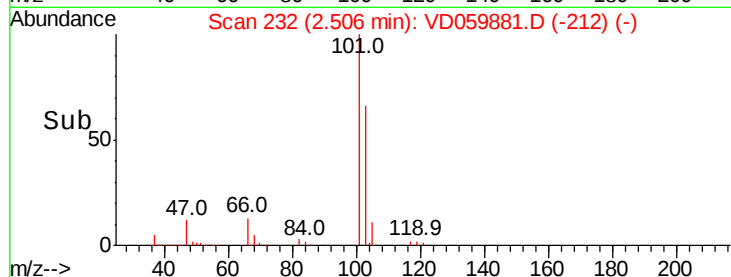
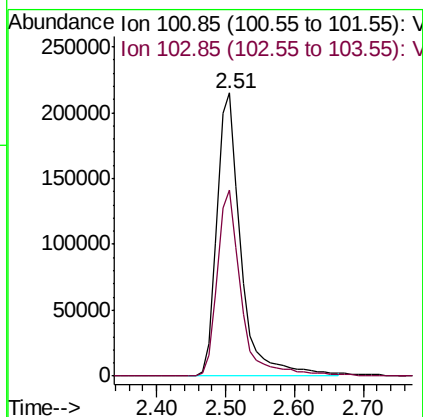
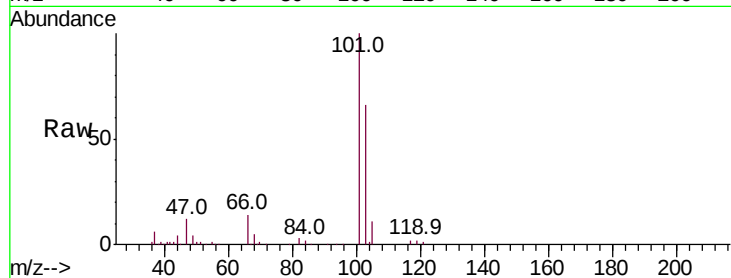


#7

Trichlorofluoromethane
 Concen: 52.960 ug/l
 RT: 2.51 min Scan# 232
 Delta R.T. 0.00 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

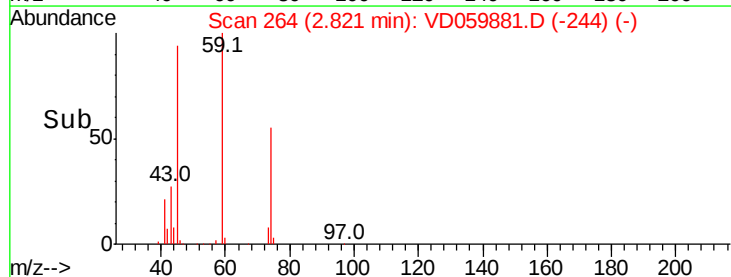
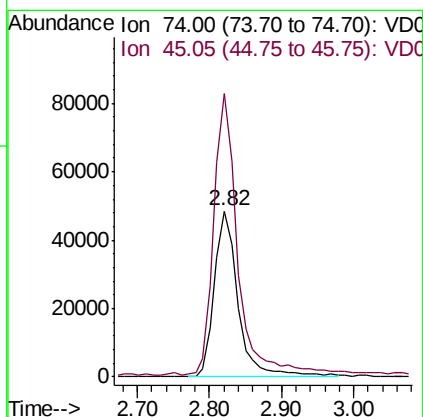
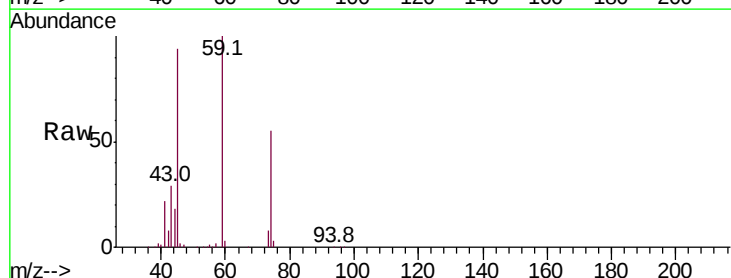
Tot Ion:101 Resp: 518361
 Ion Ratio Lower Upper
 101 100
 103 65.7 53.7 80.5

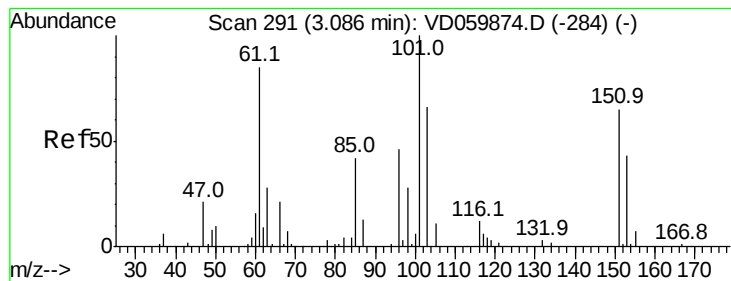


#8

Diethyl Ether
 Concen: 50.368 ug/l
 RT: 2.82 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

Tgt Ion: 74 Resp: 110601
 Ion Ratio Lower Upper
 74 100
 45 170.3 85.7 257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.211 ug/l

RT: 3.09 min Scan# 291

Delta R.T. 0.00 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

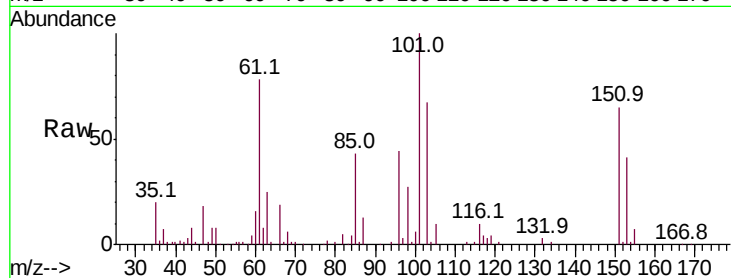
Tot Ion:101 Resp: 318960

Ion Ratio Lower Upper

101 100

85 42.9 33.6 50.4

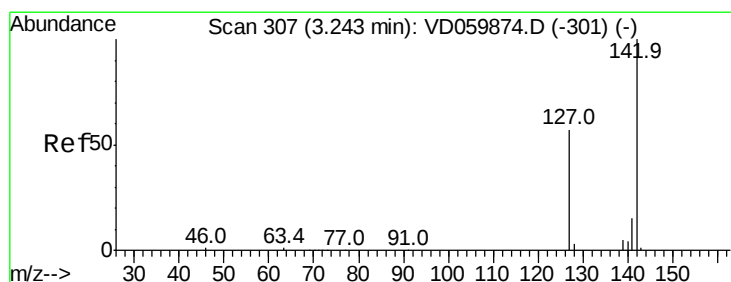
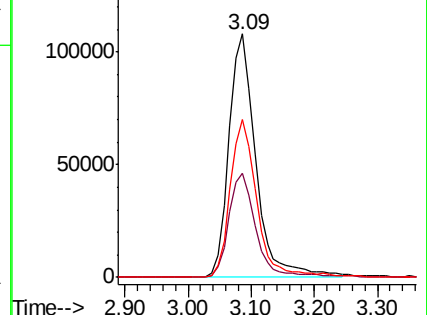
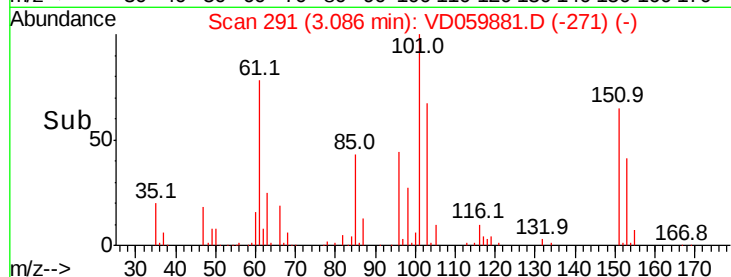
151 64.8 52.0 78.0



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: 50.615 ug/l

RT: 3.24 min Scan# 307

Delta R.T. 0.00 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

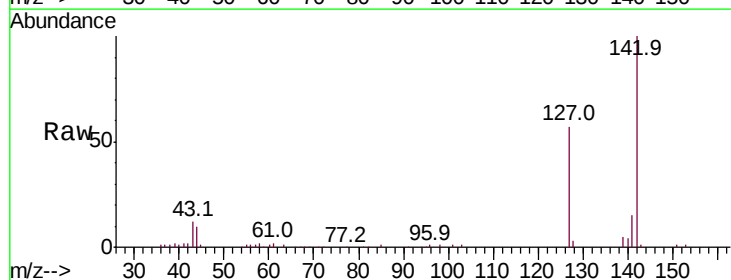
Tgt Ion:142 Resp: 323496

Ion Ratio Lower Upper

142 100

127 57.1 45.8 68.6

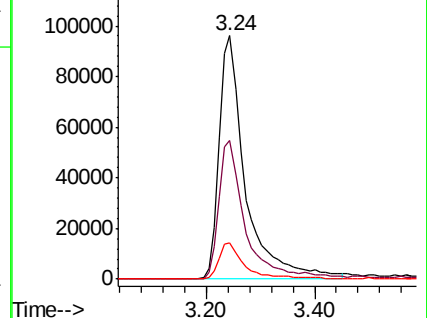
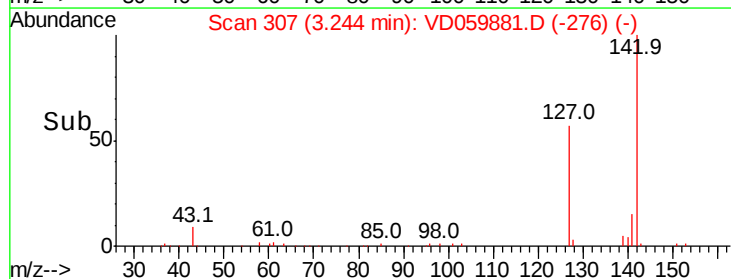
141 15.1 11.6 17.4

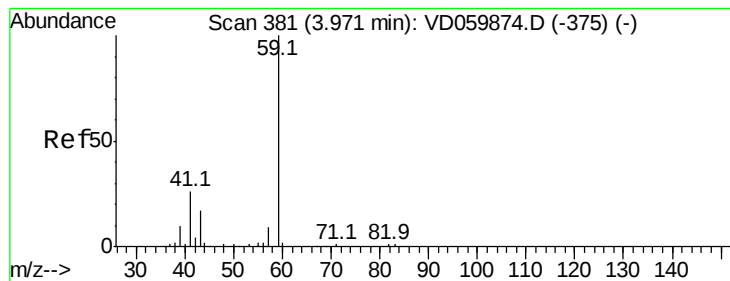


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



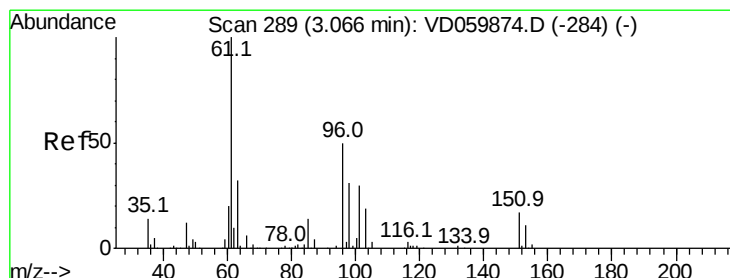
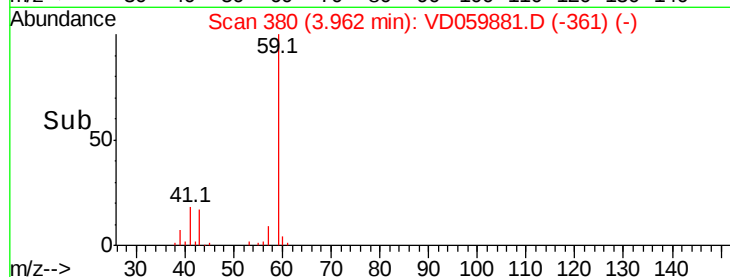
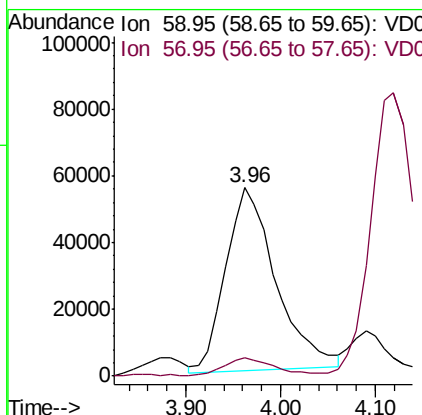
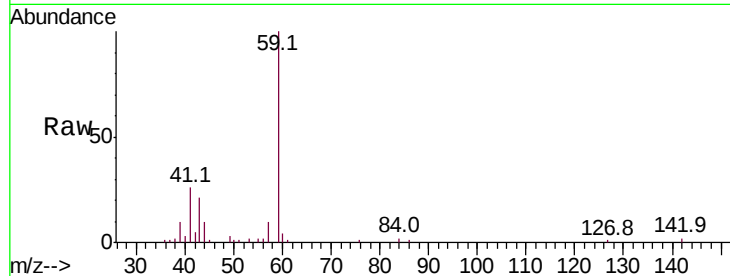


#11

Tert butyl alcohol
Concen: 236.093 ug/l
RT: 3.96 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

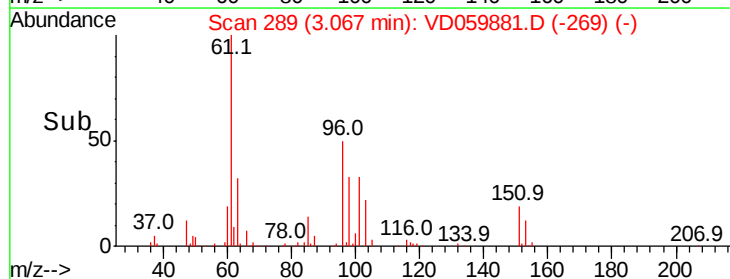
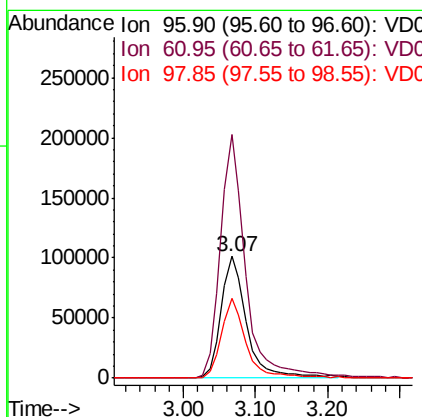
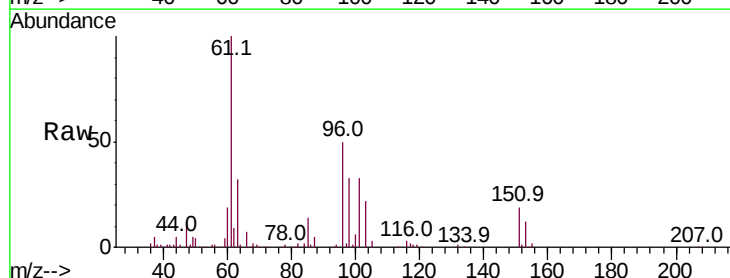
Tot Ion: 59 Resp: 202313
Ion Ratio Lower Upper
59 100
57 9.6 7.4 11.0

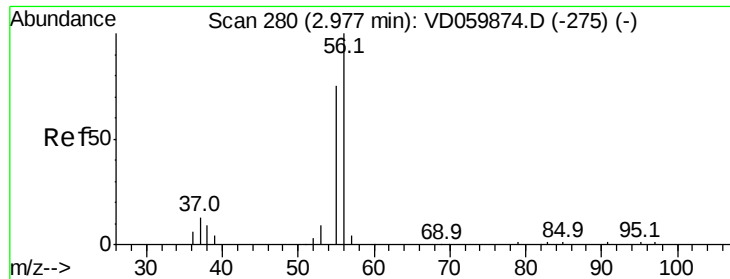


#12

1,1-Dichloroethene
Concen: 53.616 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.00 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Tgt Ion: 96 Resp: 250195
Ion Ratio Lower Upper
96 100
61 199.7 158.8 238.2
98 65.1 48.7 73.1

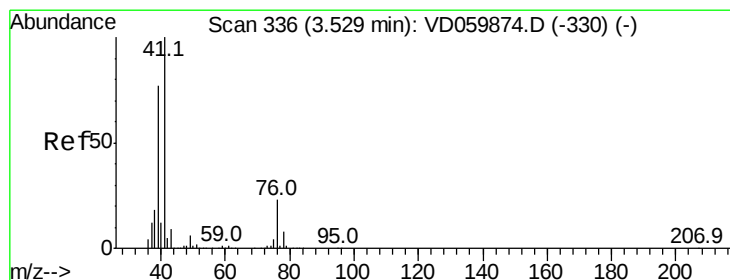
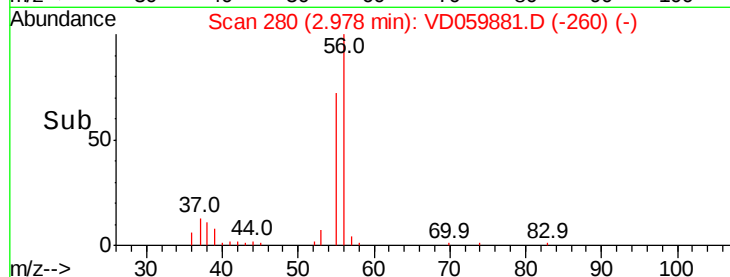
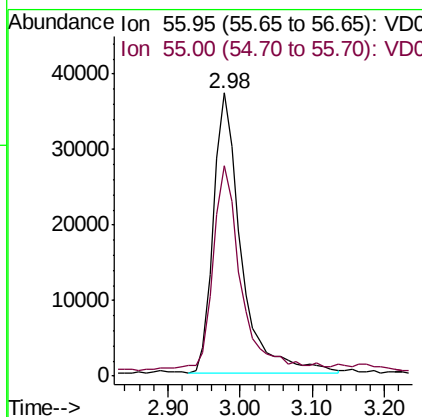
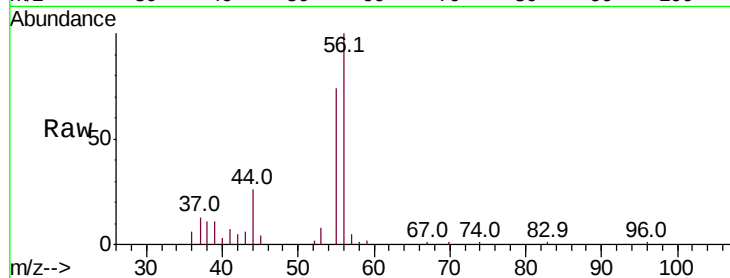




#13
Acrolein
Concen: 266.246 ug/l
RT: 2.98 min Scan# 280
Delta R.T. 0.00 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

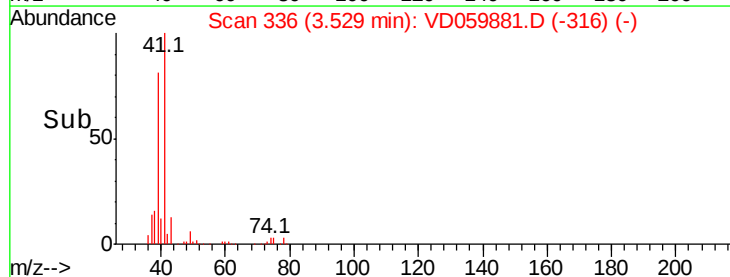
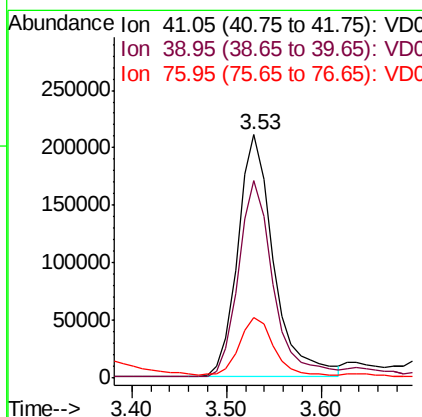
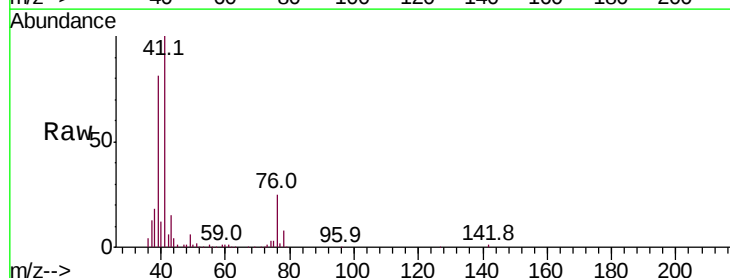
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

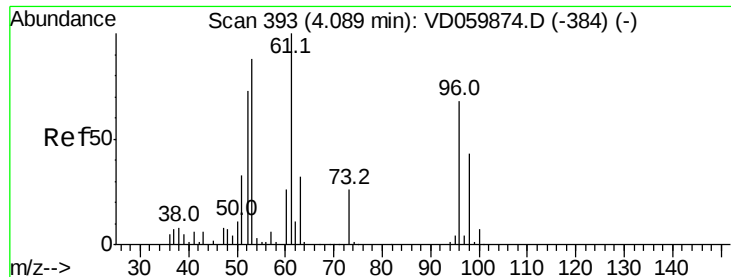
Tot Ion: 56 Resp: 98955
Ion Ratio Lower Upper
56 100
55 74.2 61.9 92.9



#14
Allyl chloride
Concen: 52.163 ug/l
RT: 3.53 min Scan# 336
Delta R.T. 0.00 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Tgt Ion: 41 Resp: 550674
Ion Ratio Lower Upper
41 100
39 80.9 61.8 92.6
76 25.1 19.4 29.2





#15

Acrylonitrile

Concen: 236.850 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

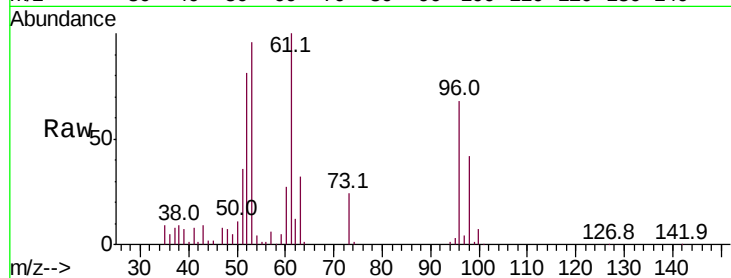
Tot Ion: 53 Resp: 760044

Ion Ratio Lower Upper

53 100

52 83.6 66.9 100.3

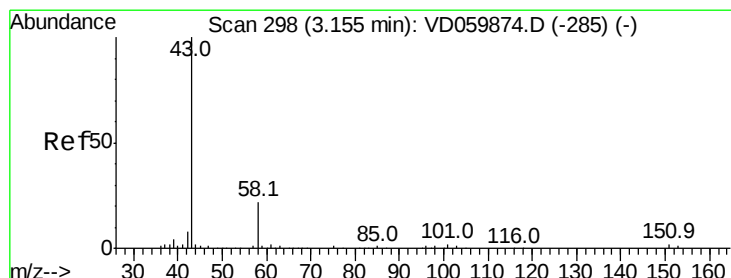
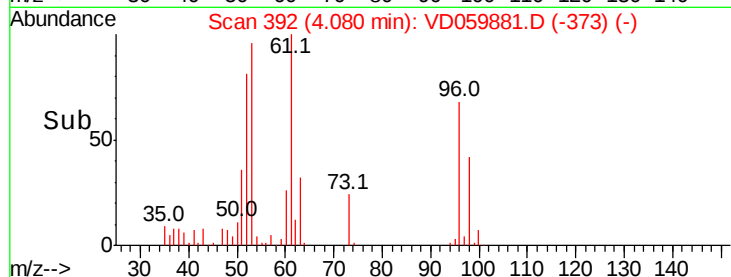
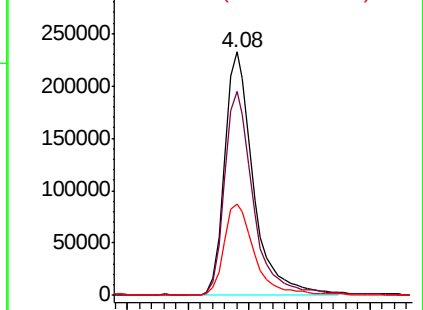
51 37.6 30.3 45.5



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: 300.775 ug/l

RT: 3.16 min Scan# 298

Delta R.T. 0.00 min

Lab File: VD059881.D

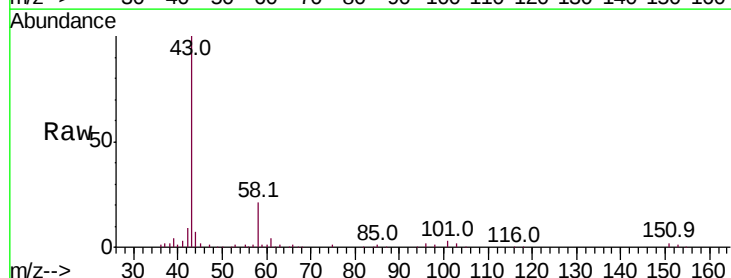
Acq: 23 Aug 2018 11:01

Tgt Ion: 43 Resp: 615413

Ion Ratio Lower Upper

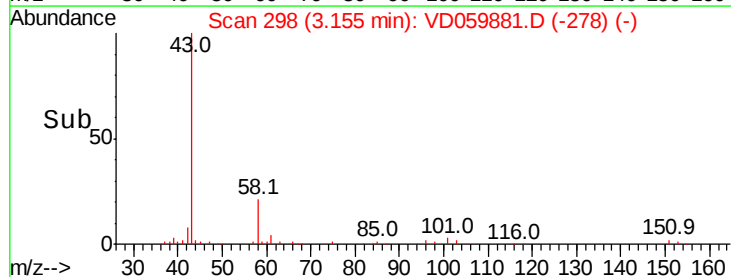
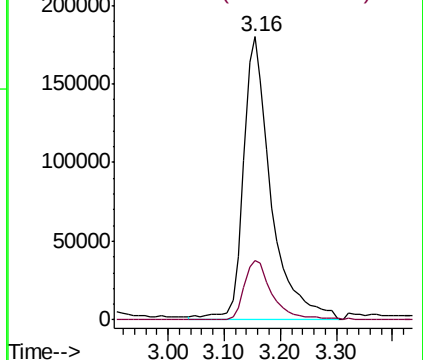
43 100

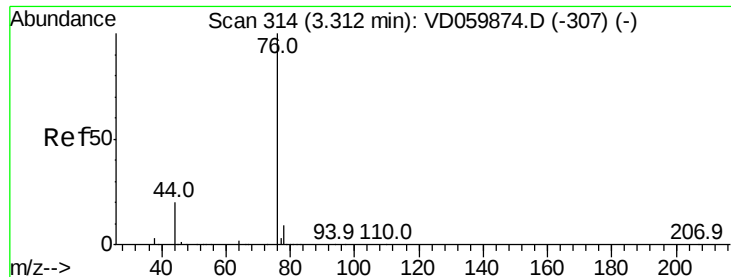
58 21.1 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

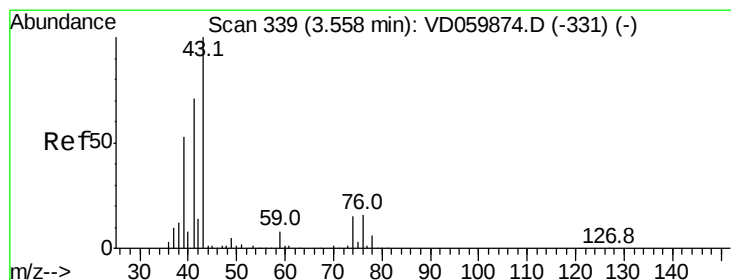
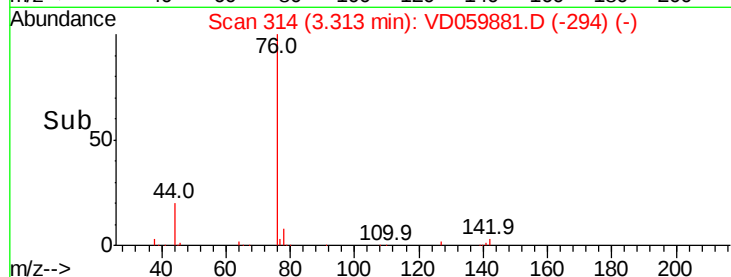
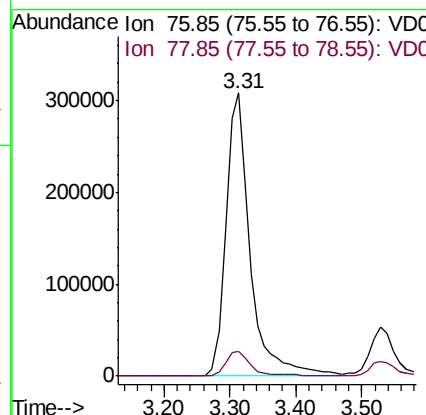
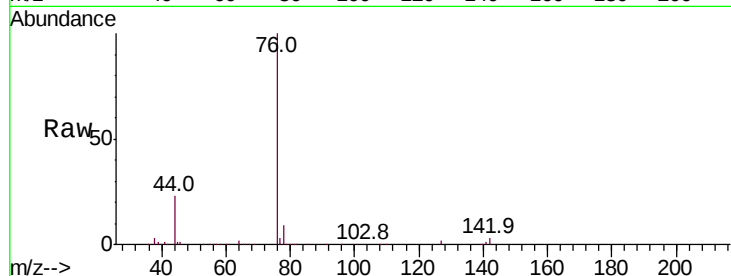




#17
Carbon Disulfide
Concen: 54.541 ug/l
RT: 3.31 min Scan# 314
Delta R.T. 0.00 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

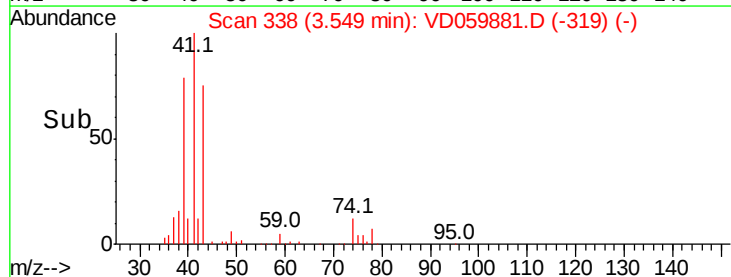
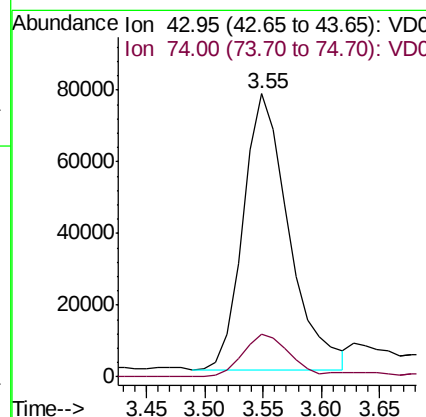
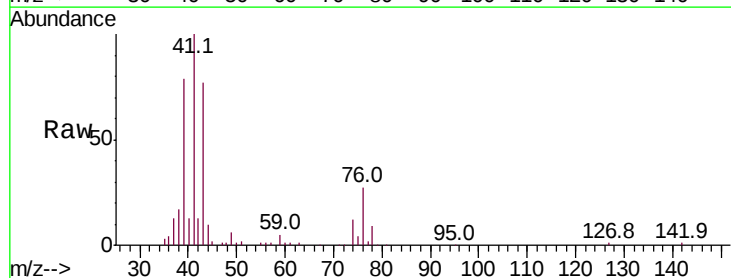
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

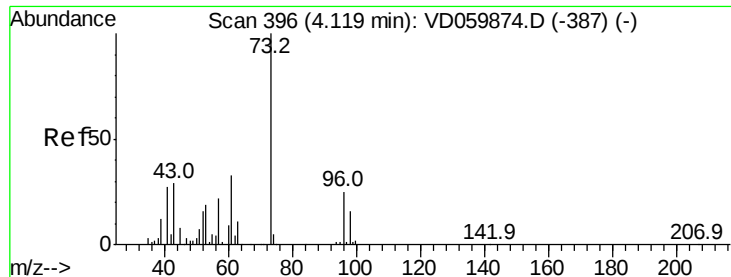
Tot Ion: 76 Resp: 790004
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#18
Methyl Acetate
Concen: 49.096 ug/l
RT: 3.55 min Scan# 338
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Tgt Ion: 43 Resp: 209705
Ion Ratio Lower Upper
43 100
74 15.0 11.2 16.8

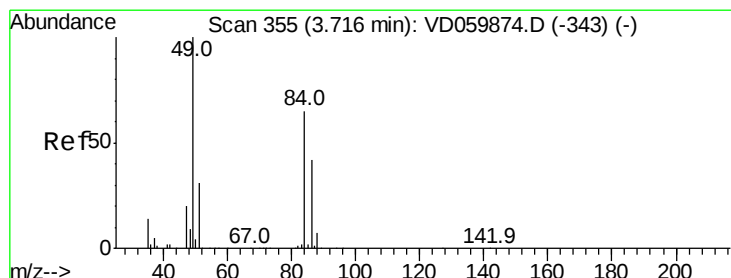
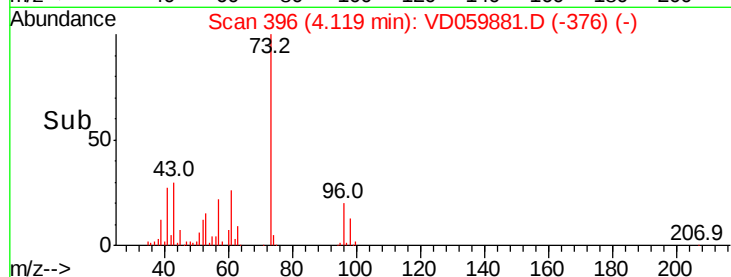
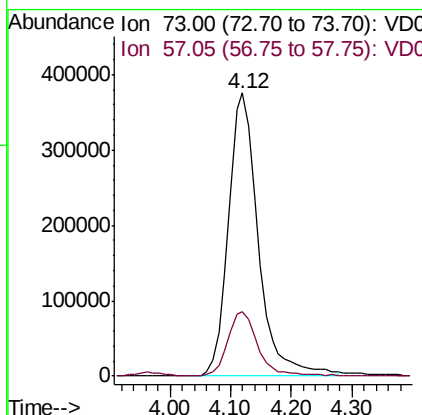
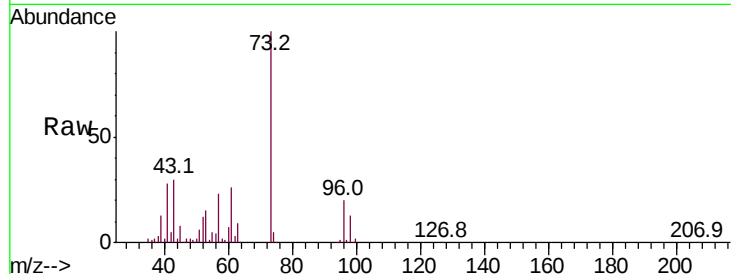




#19
Methvl tert-butvl Ether
Concen: 48.833 ug/l
RT: 4.12 min Scan# 396
Delta R.T. 0.00 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

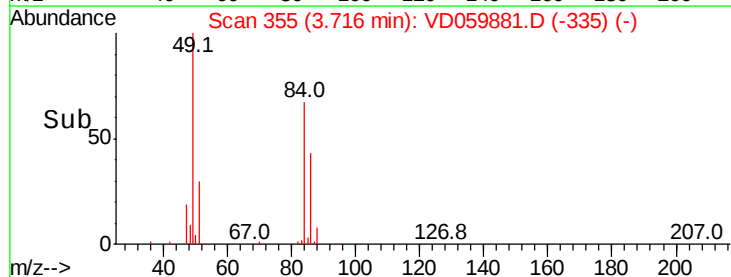
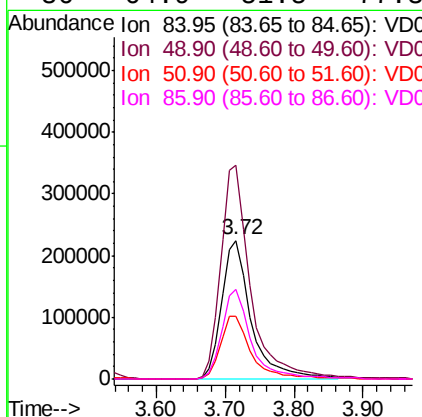
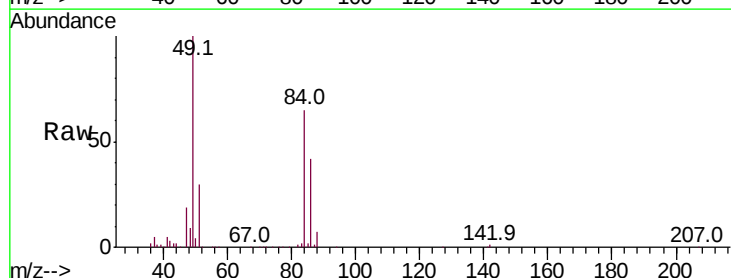
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

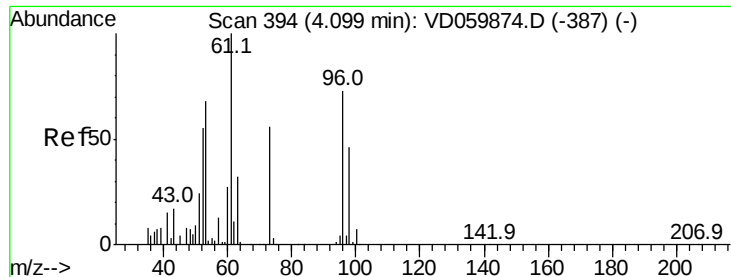
Tot Ion: 73 Resp: 1289108
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9



#20
Methylene Chloride
Concen: 48.723 ug/l
RT: 3.72 min Scan# 355
Delta R.T. 0.00 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Tgt Ion: 84 Resp: 666675
Ion Ratio Lower Upper
84 100
49 154.3 122.6 183.8
51 45.7 38.4 57.6
86 64.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.168 ug/l

RT: 4.09 min Scan# 393

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

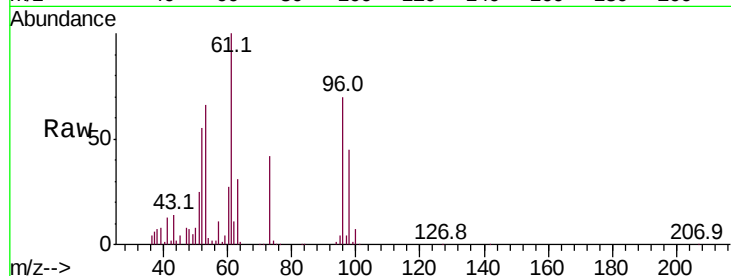
Tot Ion: 96 Resp: 632160

Ion Ratio Lower Upper

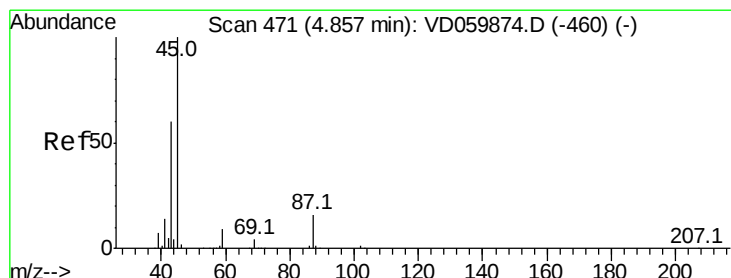
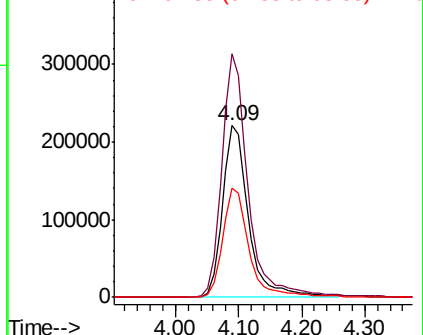
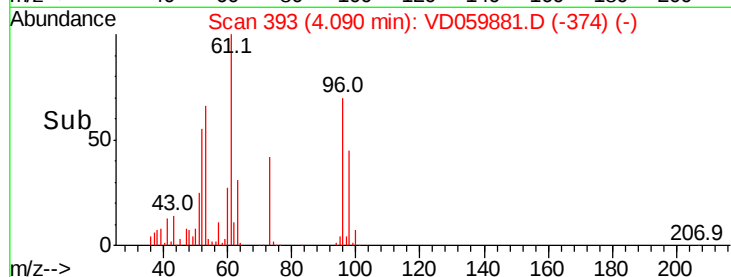
96 100

61 142.1 110.2 165.4

98 63.7 50.9 76.3



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



#22

Diisopropyl ether

Concen: 49.669 ug/l

RT: 4.85 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Tgt Ion: 45 Resp: 2674168

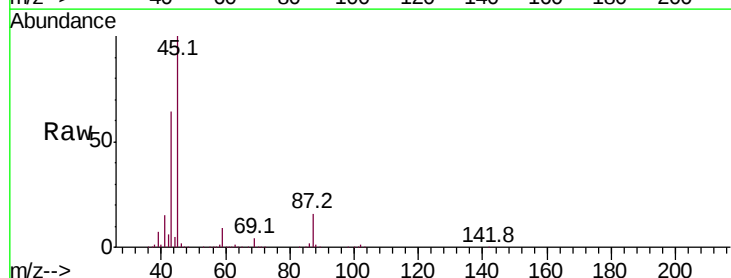
Ion Ratio Lower Upper

45 100

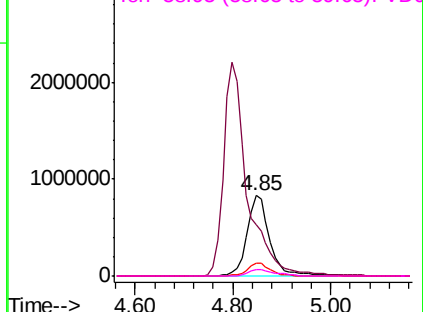
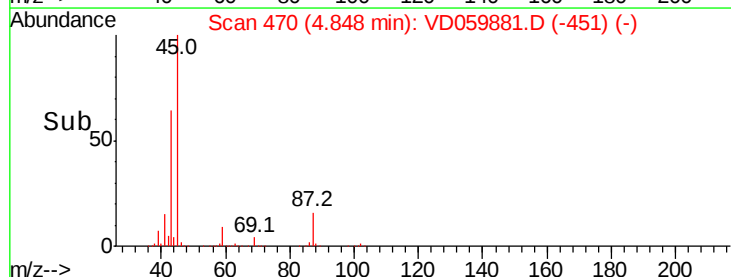
43 64.0 48.6 72.8

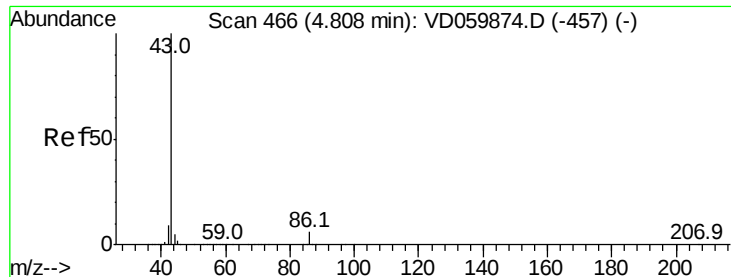
87 15.8 13.3 19.9

59 8.7 7.1 10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 245.569 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

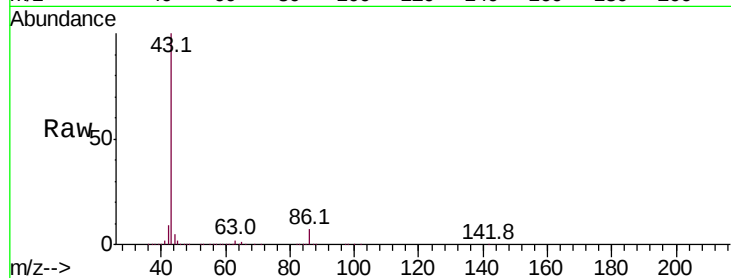
VSTDCCC050

Tot Ion: 43 Resp: 7390959

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

2500000

2000000

1500000

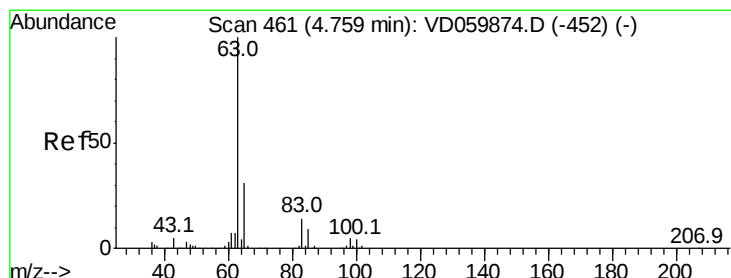
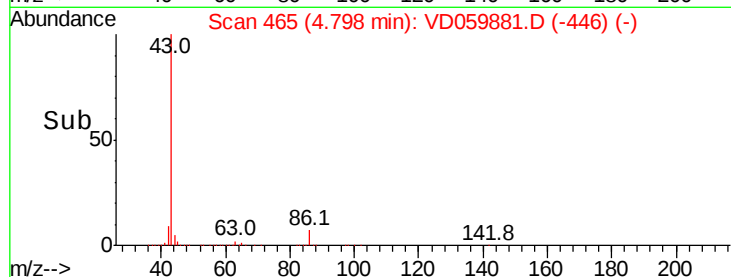
1000000

500000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 49.986 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

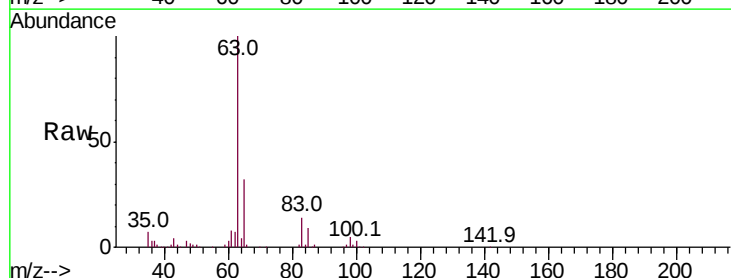
Tgt Ion: 63 Resp: 1162653

Ion Ratio Lower Upper

63 100

98 5.0 2.7 8.1

100 3.3 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

500000

400000

300000

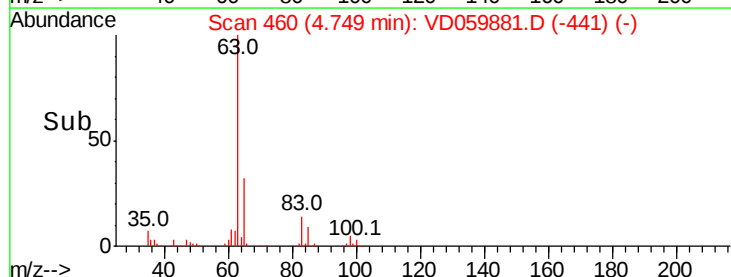
200000

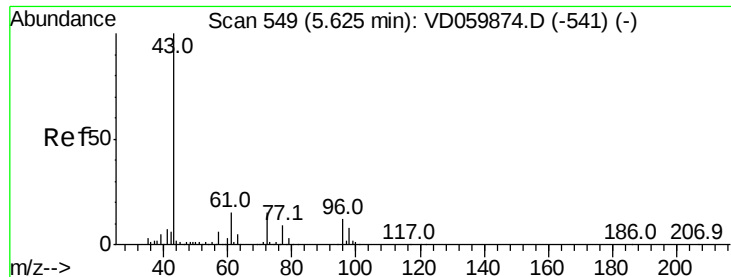
100000

0

4.60 4.70 4.80 4.90 5.00

Time-->

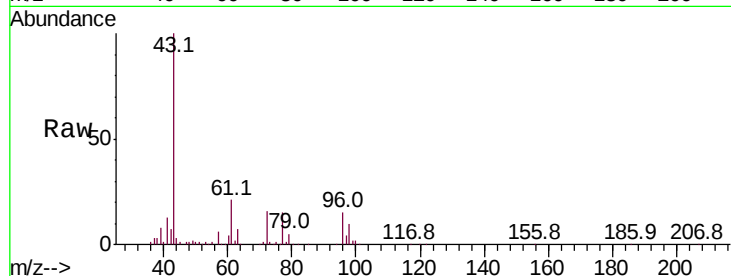




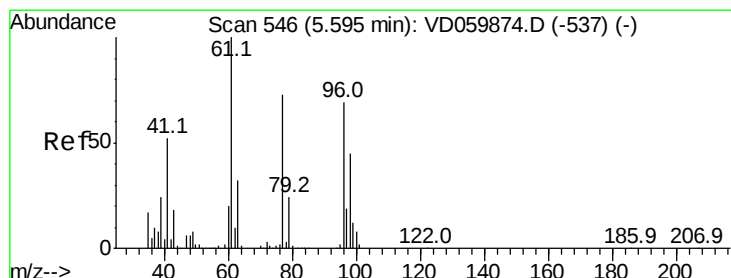
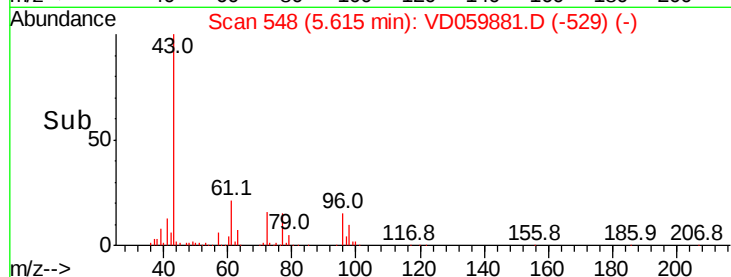
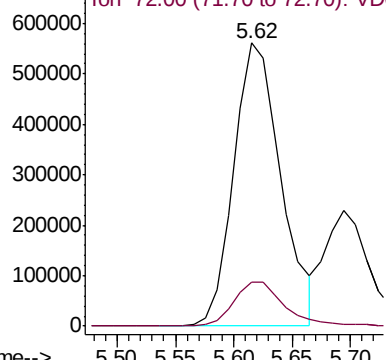
#25
2-Butanone
Concen: 258.464 ug/l
RT: 5.62 min Scan# 548
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1566261
Ion Ratio Lower Upper
43 100
72 15.7 12.3 18.5

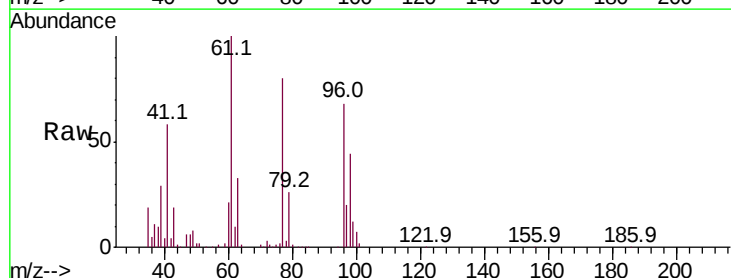


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

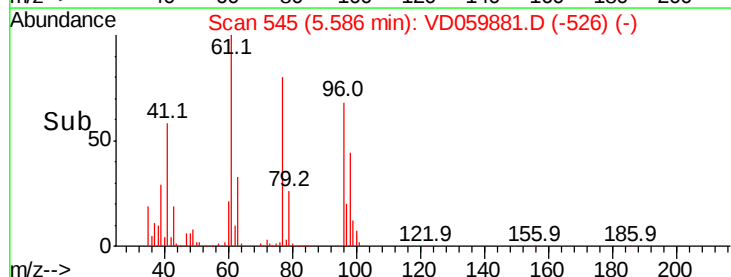
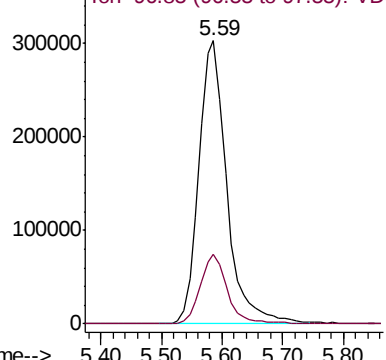


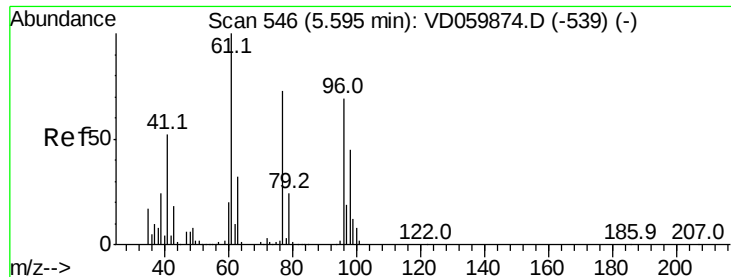
#26
2,2-Dichloropropane
Concen: 49.910 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Tgt Ion: 77 Resp: 970465
Ion Ratio Lower Upper
77 100
97 24.7 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: 50.009 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

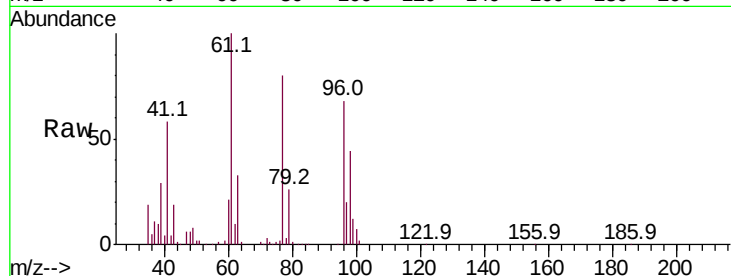
Tot Ion: 96 Resp: 704000

Ion Ratio Lower Upper

96 100

61 146.9 0.0 290.2

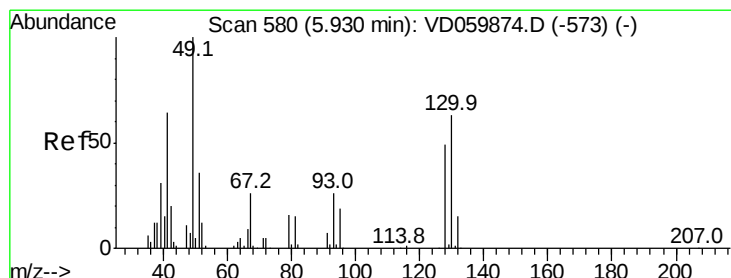
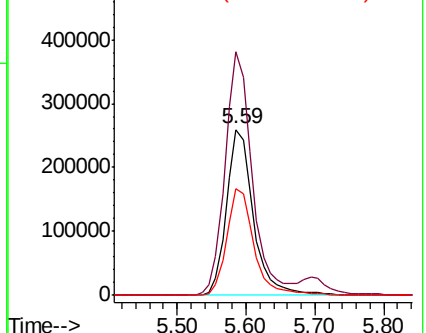
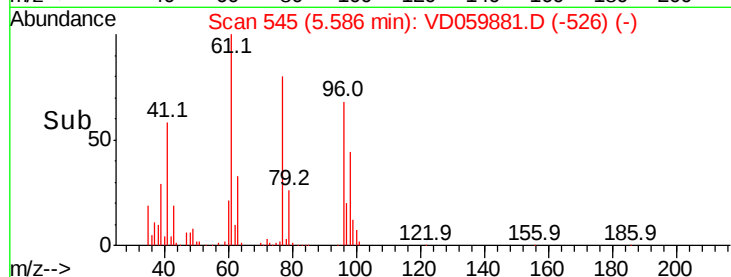
98 64.1 0.0 130.4



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: 51.668 ug/l

RT: 5.92 min Scan# 579

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

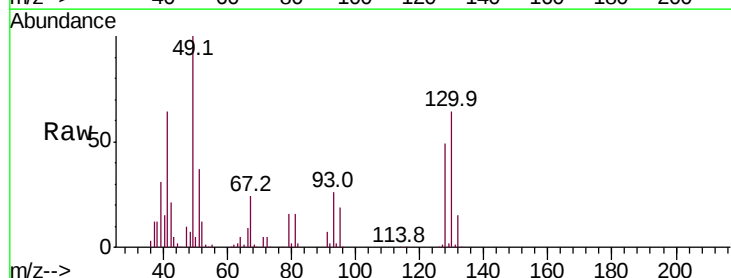
Tgt Ion: 49 Resp: 575969

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.2

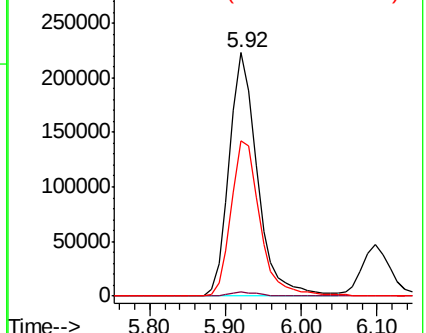
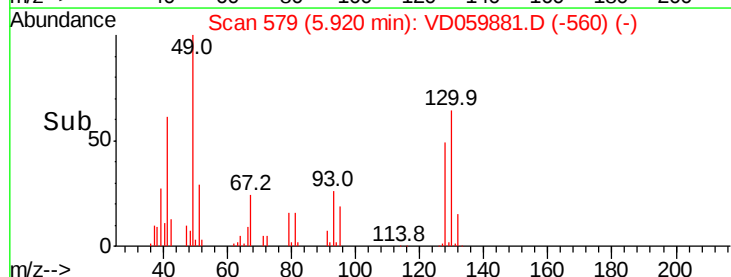
130 63.6 50.6 75.8

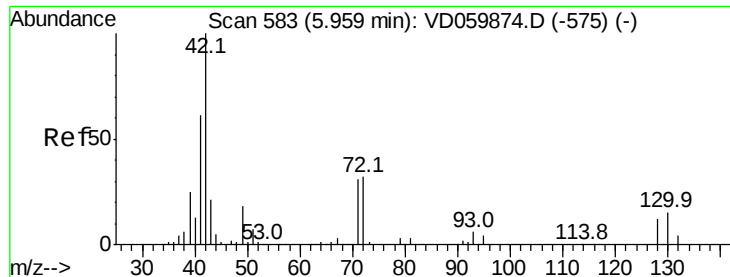


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

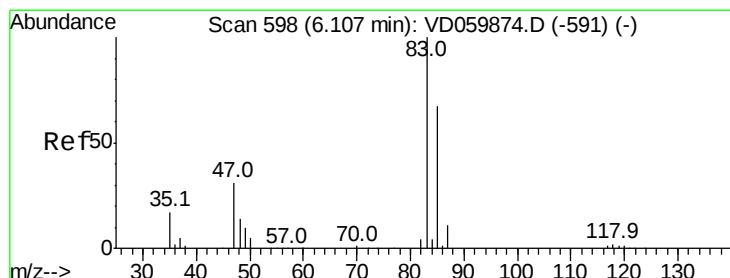
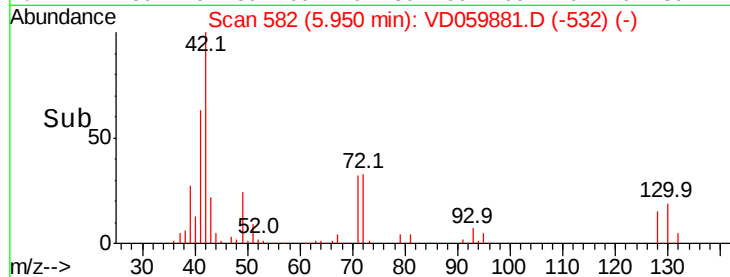
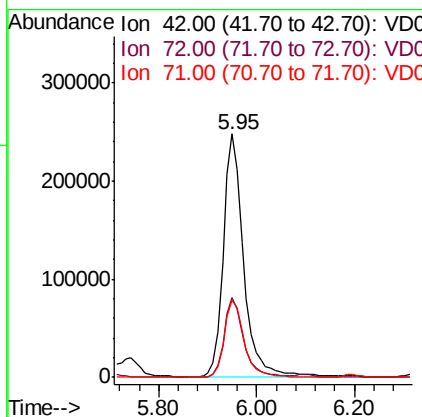
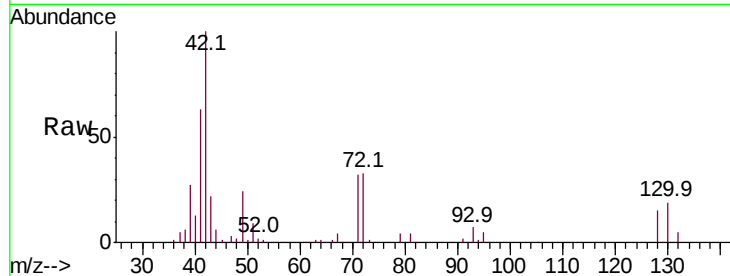




#29
Tetrahydrofuran
Concen: 245.669 ug/l
RT: 5.95 min Scan# 582
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

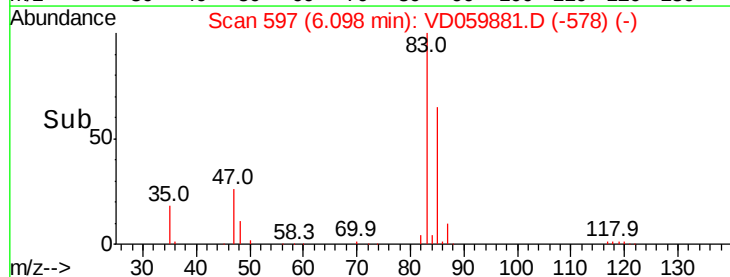
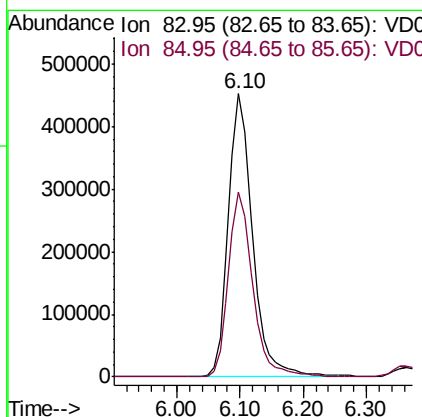
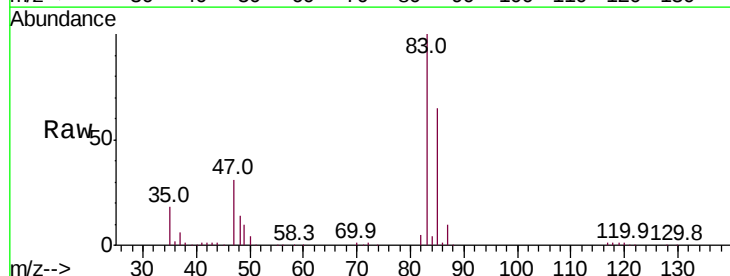
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

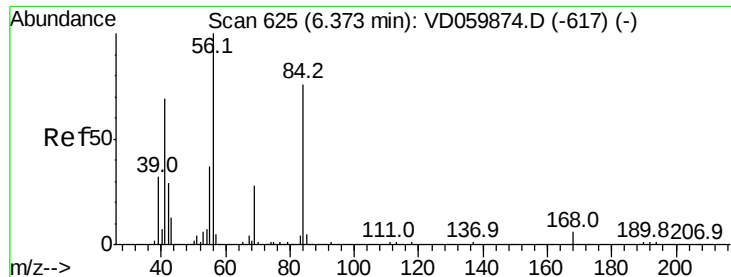
Tot Ion	Ratio	Lower	Upper
42	100		
72	31.7	25.7	38.5
71	31.2	25.3	37.9



#30
Chloroform
Concen: 50.876 ug/l
RT: 6.10 min Scan# 597
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.5	80.3

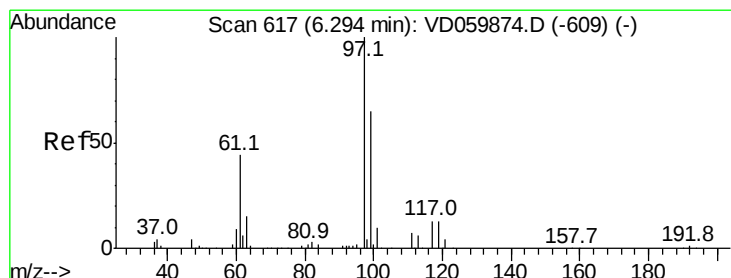
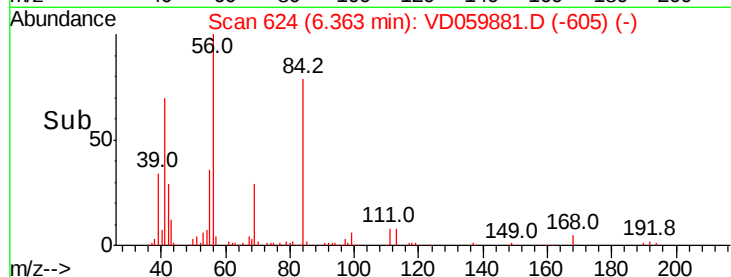
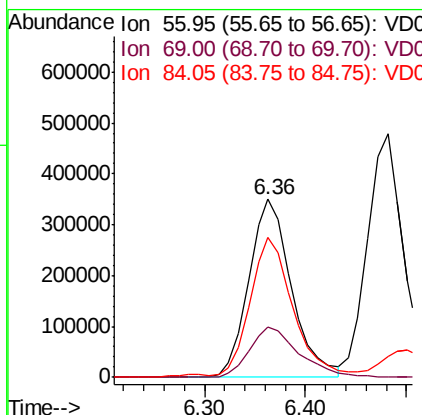
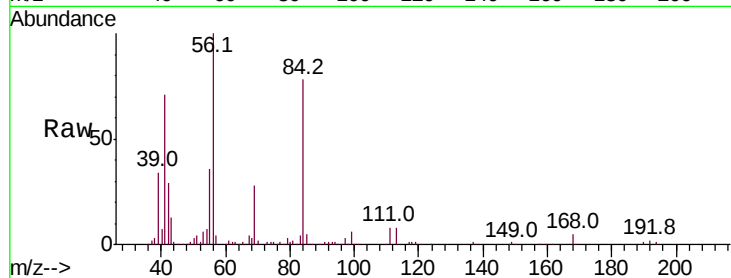




#31
Cvclohexane
Concen: 47.928 ug/l
RT: 6.36 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

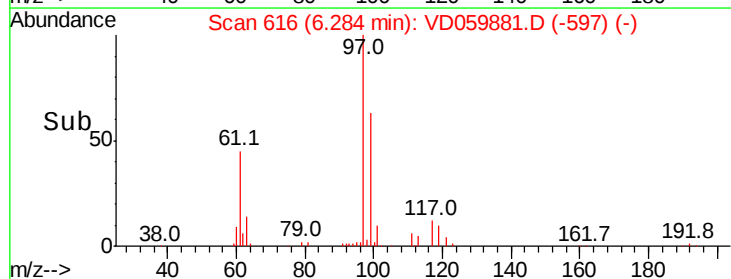
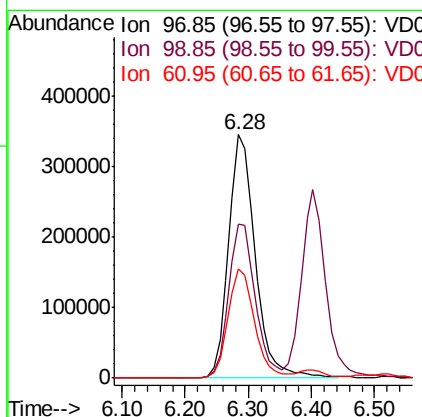
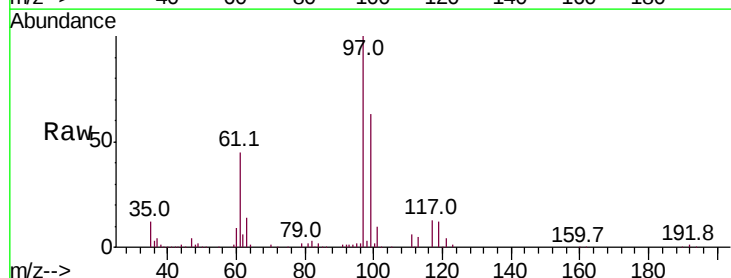
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

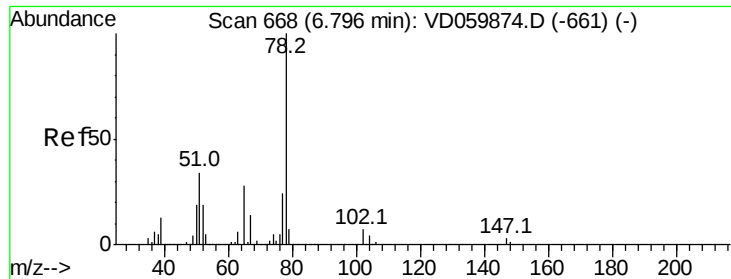
Tot Ion: 56 Resp: 1024862
Ion Ratio Lower Upper
56 100
69 28.5 22.4 33.6
84 78.5 62.1 93.1



#32
1,1,1-Trichloroethane
Concen: 50.162 ug/l
RT: 6.28 min Scan# 616
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Tgt Ion: 97 Resp: 1006351
Ion Ratio Lower Upper
97 100
99 63.2 51.7 77.5
61 44.7 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 50.162 ug/l

RT: 6.79 min Scan# 667

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

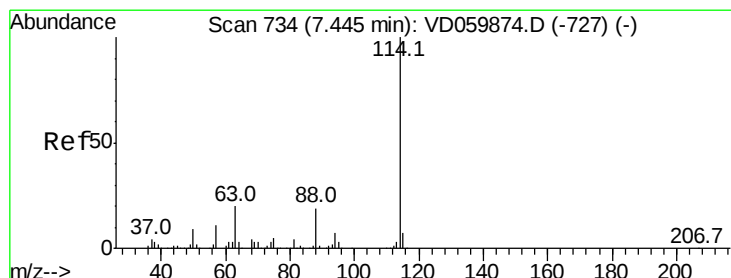
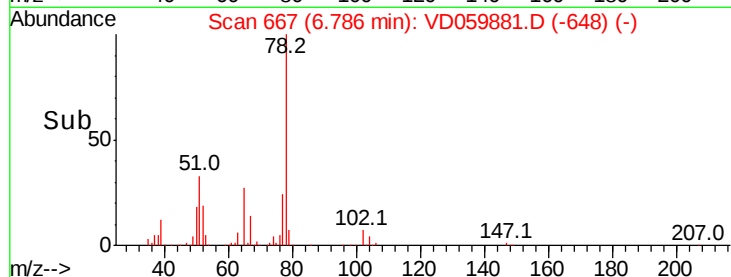
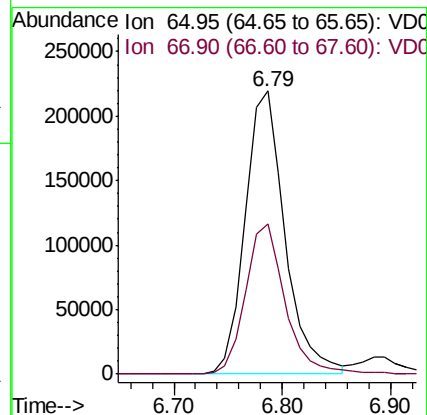
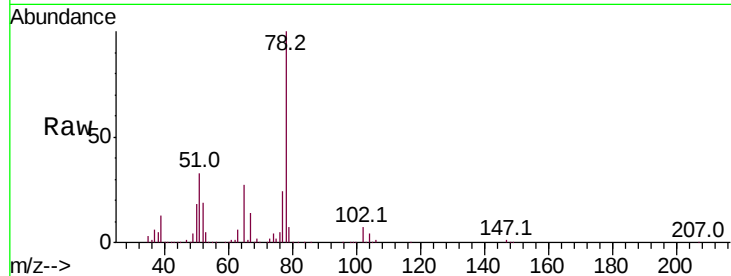
VSTDCCC050

Tot Ion: 65 Resp: 560848

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.00 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

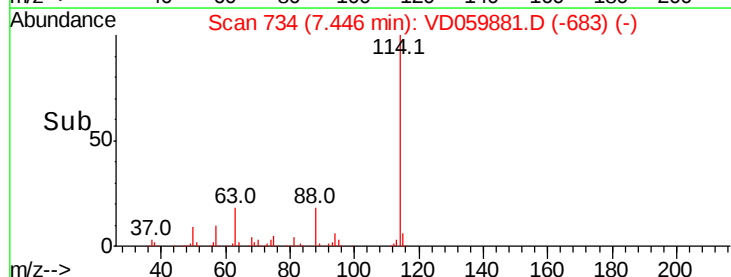
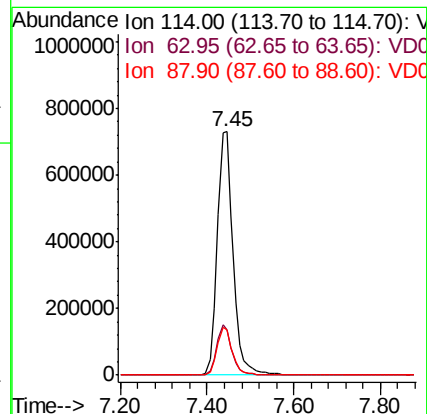
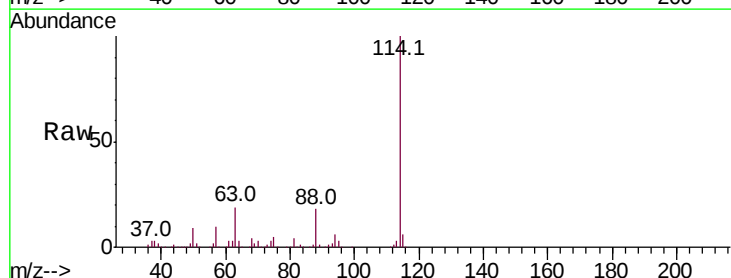
Tgt Ion: 114 Resp: 1848367

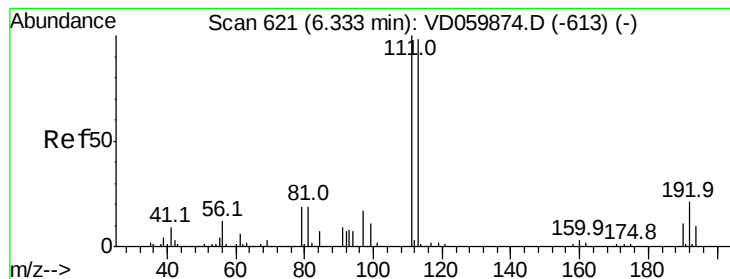
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.4

88 18.3 0.0 37.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 620

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

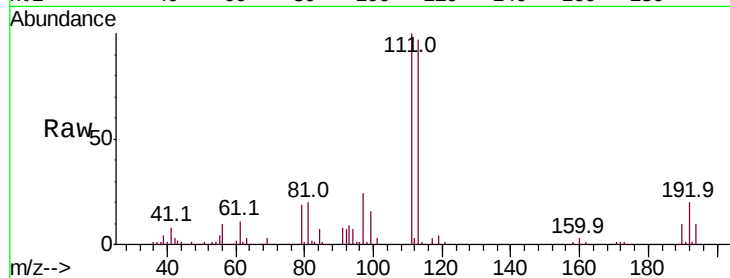
Tot Ion:113 Resp: 739134

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.2

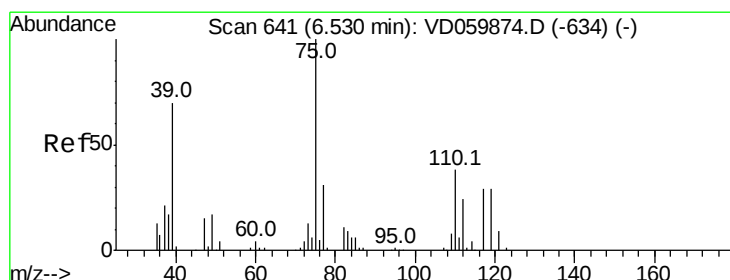
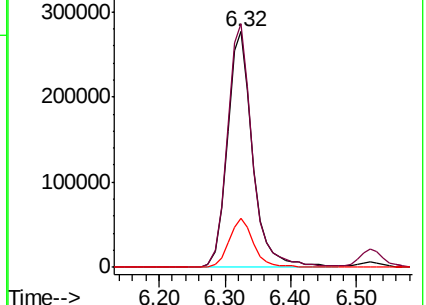
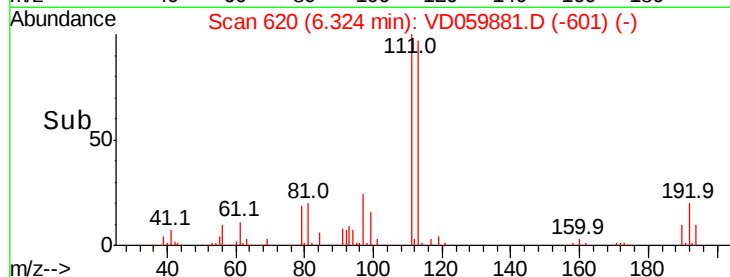
192 21.0 17.0 25.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.048 ug/l

RT: 6.52 min Scan# 640

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

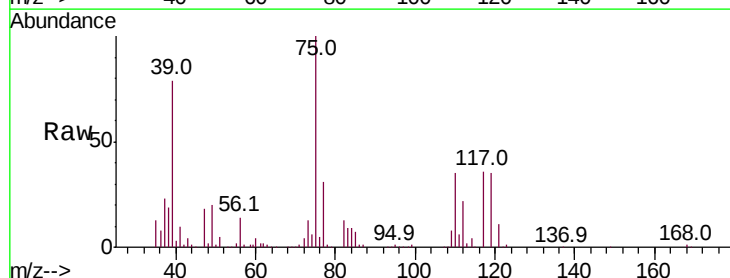
Tgt Ion: 75 Resp: 838590

Ion Ratio Lower Upper

75 100

110 34.9 18.6 56.0

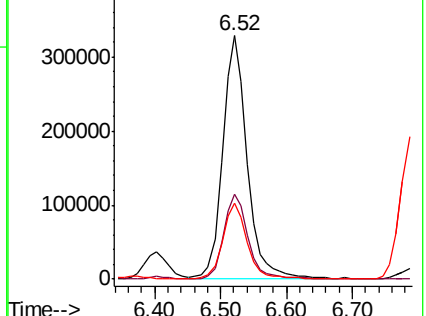
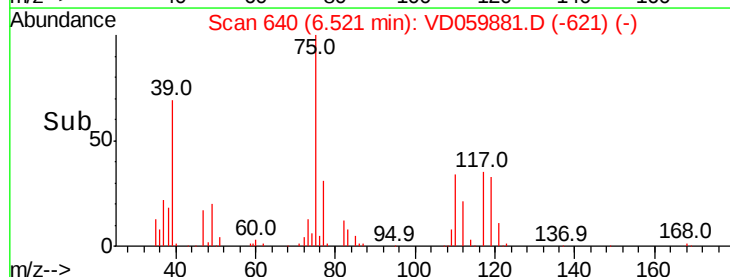
77 31.4 25.1 37.7

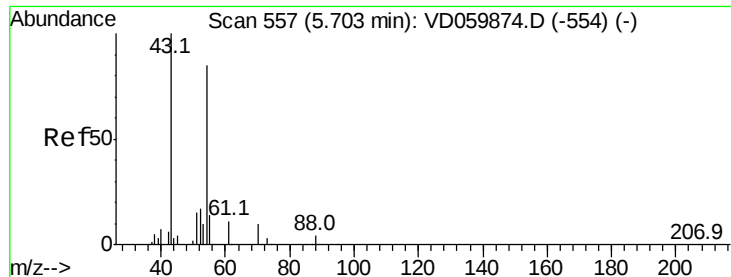


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

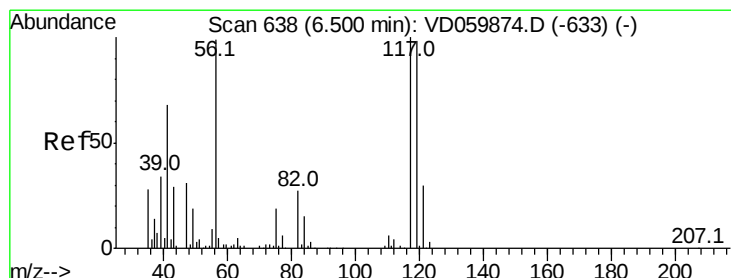
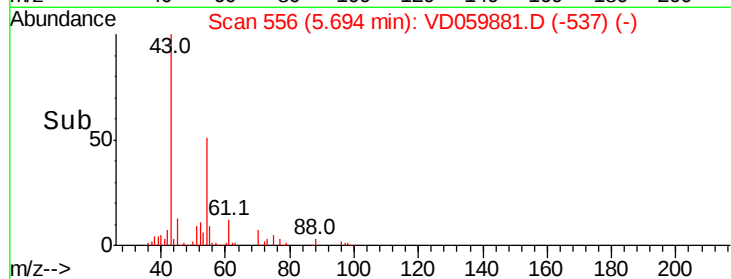
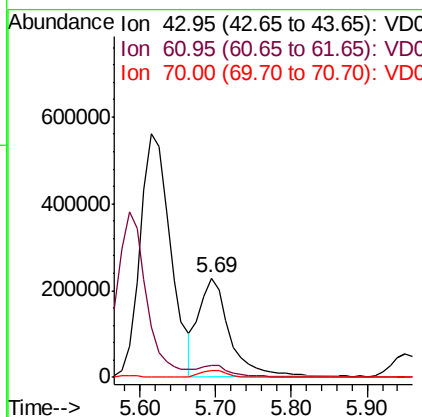
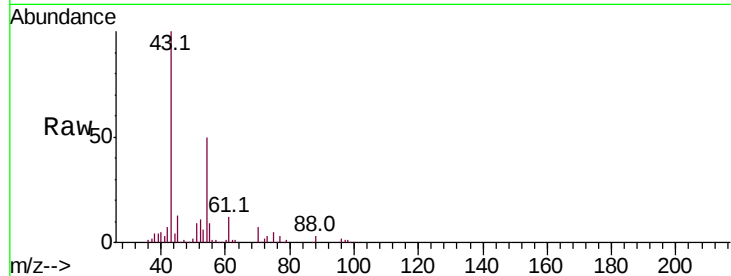




#37
Ethyl Acetate
Concen: 48.407 ug/l
RT: 5.69 min Scan# 556
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

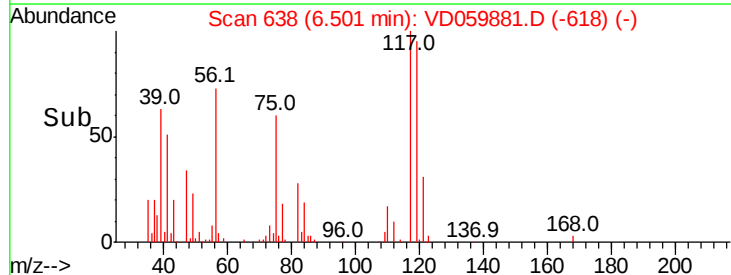
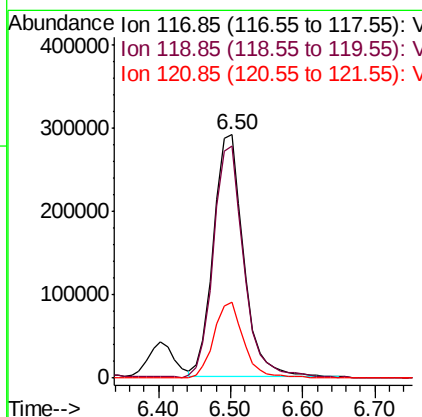
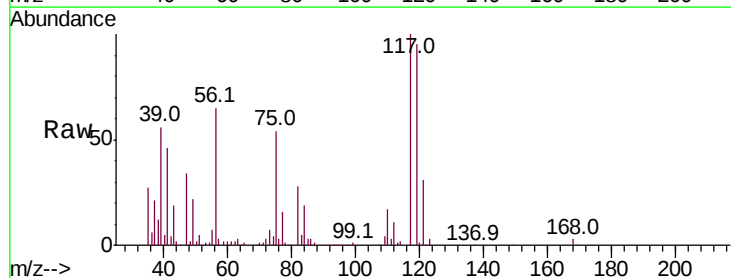
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

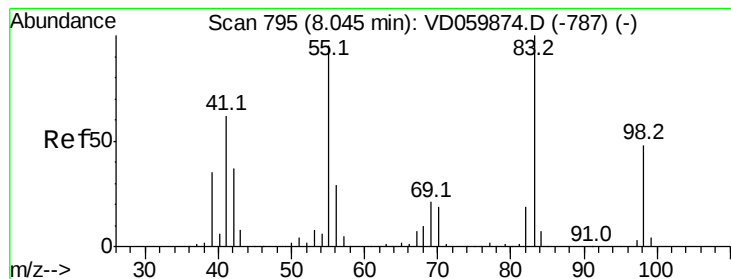
Tot Ion: 43 Resp: 631151
Ion Ratio Lower Upper
43 100
61 12.2 11.0 16.6
70 7.2 5.7 8.5



#38
Carbon Tetrachloride
Concen: 49.673 ug/l
RT: 6.50 min Scan# 638
Delta R.T. 0.00 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Tgt Ion: 117 Resp: 839941
Ion Ratio Lower Upper
117 100
119 95.4 77.2 115.8
121 31.2 24.0 36.0





#39

Methvlcvclohexane

Concen: 50.610 ug/l

RT: 8.04 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

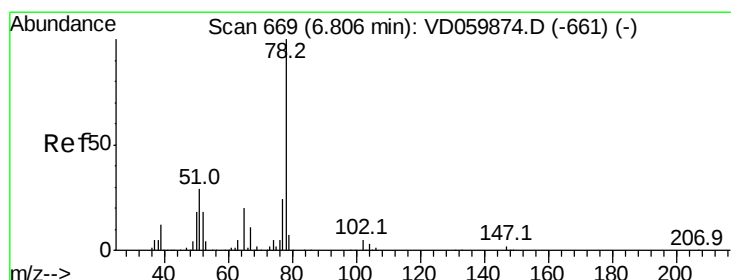
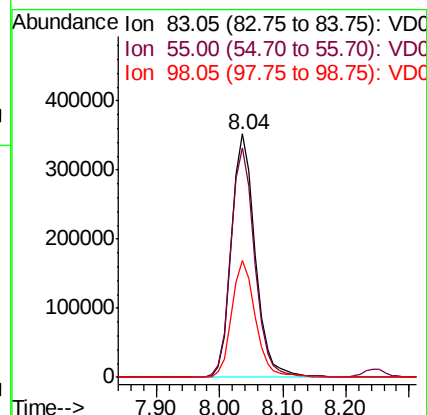
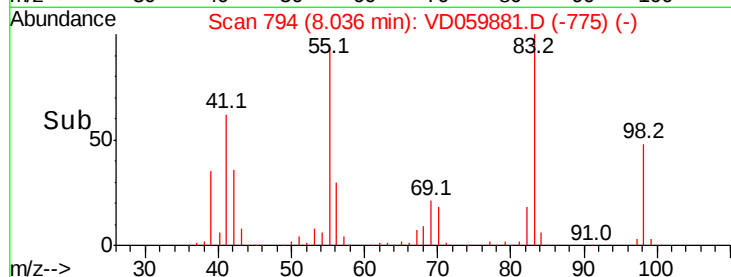
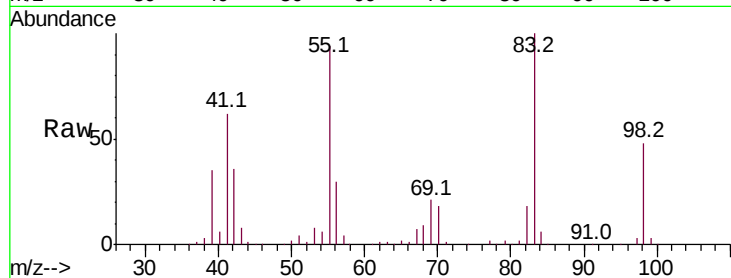
Tot Ion: 83 Resp: 916202

Ion Ratio Lower Upper

83 100

55 94.3 75.8 113.6

98 48.1 38.3 57.5



#40

Benzene

Concen: 49.576 ug/l

RT: 6.79 min Scan# 667

Delta R.T. -0.02 min

Lab File: VD059881.D

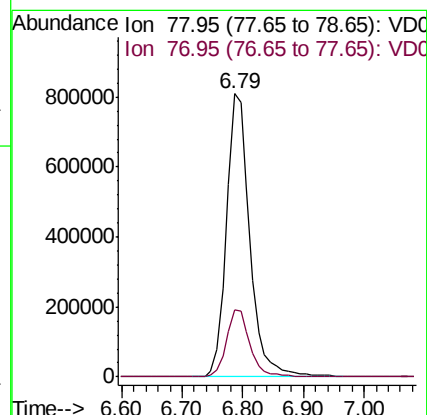
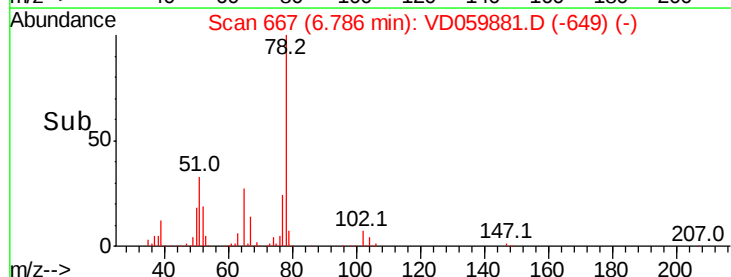
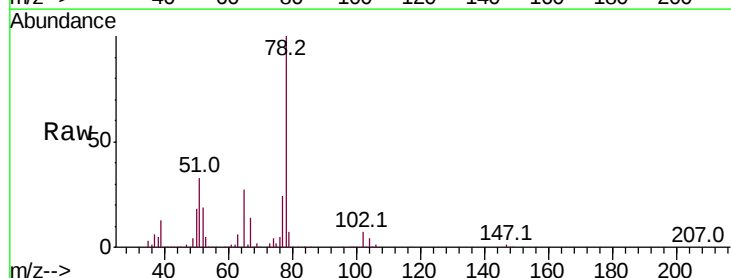
Acq: 23 Aug 2018 11:01

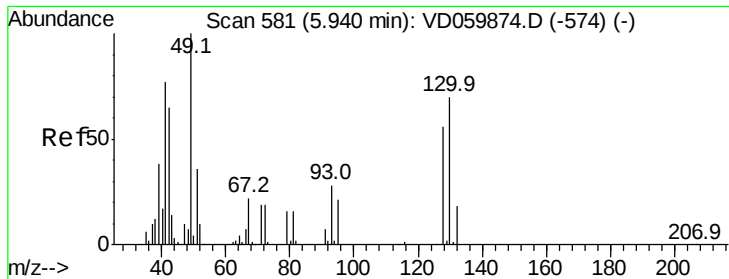
Tgt Ion: 78 Resp: 2159944

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.4





#41

Methacrylonitrile

Concen: 109.406 ug/l

RT: 5.94 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 718563

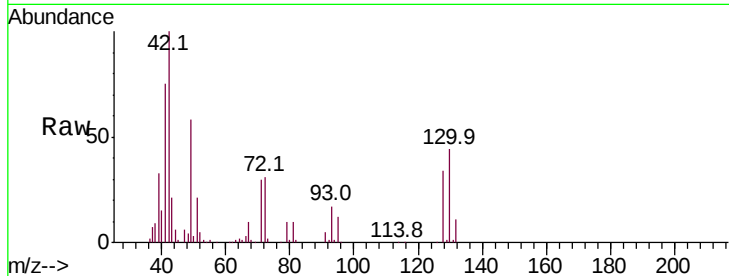
Ion Ratio Lower Upper

41 100

39 44.4 39.4 59.2

67 13.1 22.2 33.2#

52 6.2 10.1 15.1#



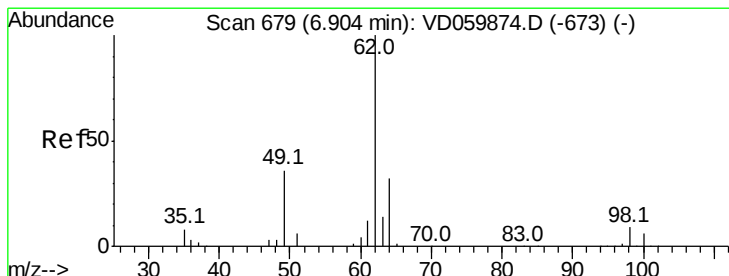
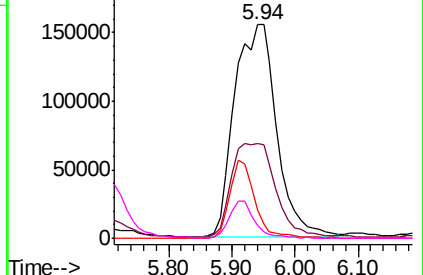
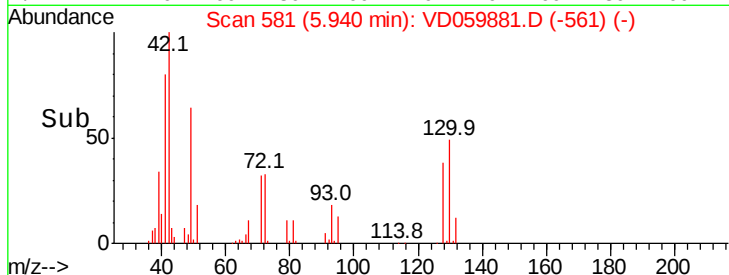
Abundance Ion 40.95 (40.65 to 41.65): VDC

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

Time-->



#42

1,2-Dichloroethane

Concen: 50.822 ug/l

RT: 6.89 min Scan# 678

Delta R.T. -0.01 min

Lab File: VD059881.D

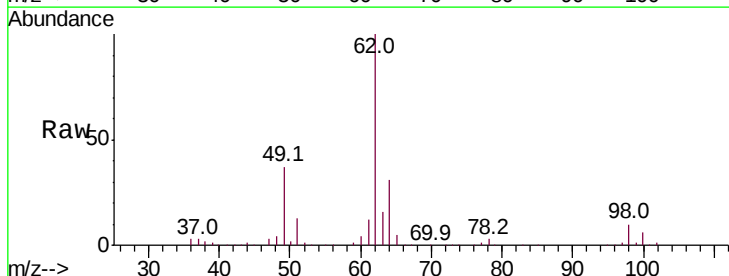
Acq: 23 Aug 2018 11:01

Tgt Ion: 62 Resp: 710819

Ion Ratio Lower Upper

62 100

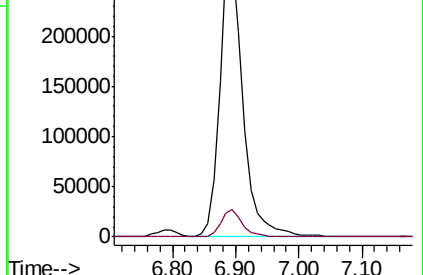
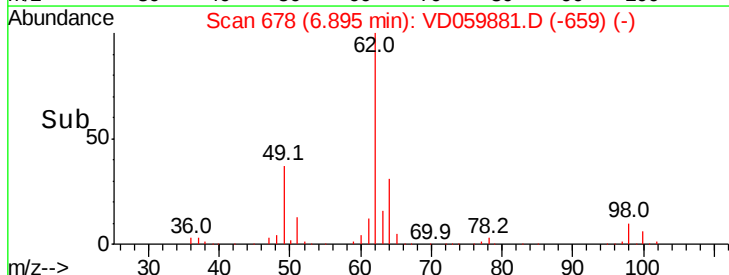
98 9.6 0.0 18.4

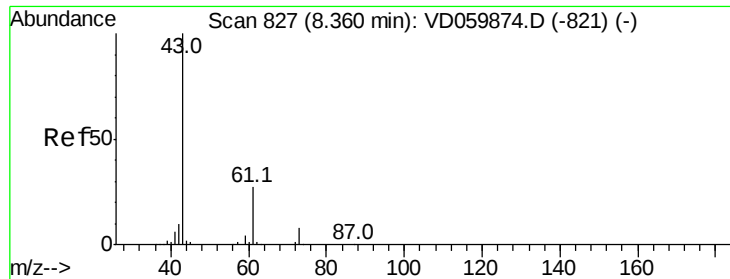


Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

Time-->





#43

Isopropyl Acetate

Concen: 48.860 ug/l

RT: 8.35 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

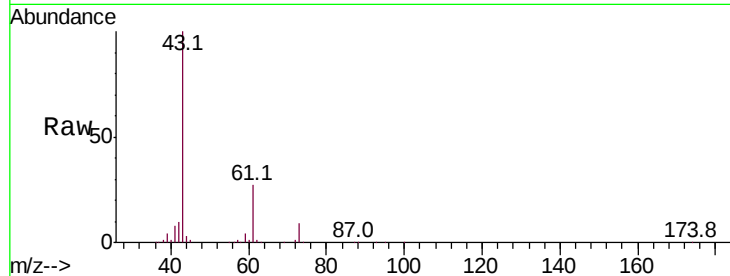
Tot Ion: 43 Resp: 828784

Ion Ratio Lower Upper

43 100

61 26.9 21.4 32.2

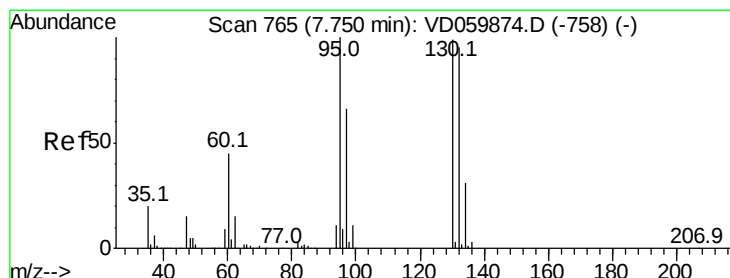
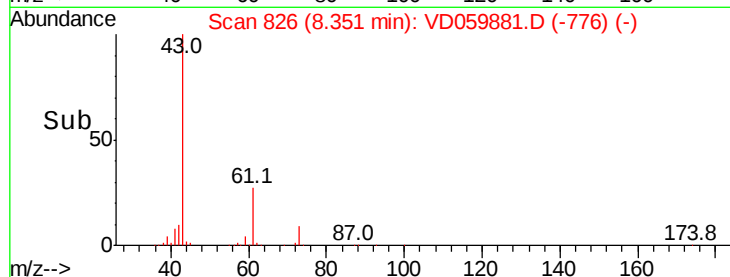
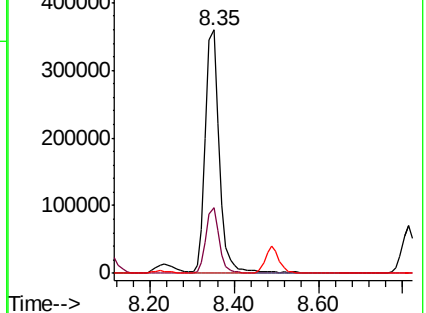
87 0.3 0.2 0.4



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: 50.439 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD059881.D

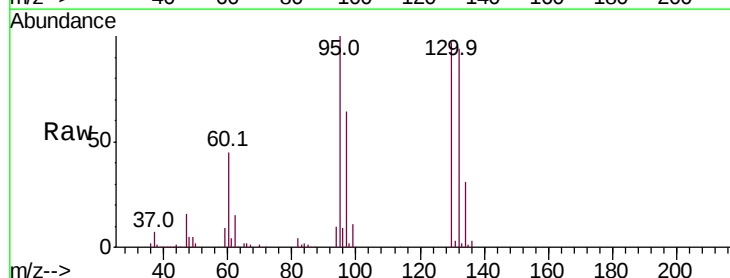
Acq: 23 Aug 2018 11:01

Tgt Ion:130 Resp: 647030

Ion Ratio Lower Upper

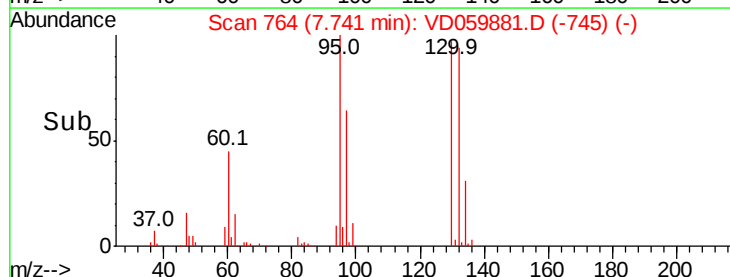
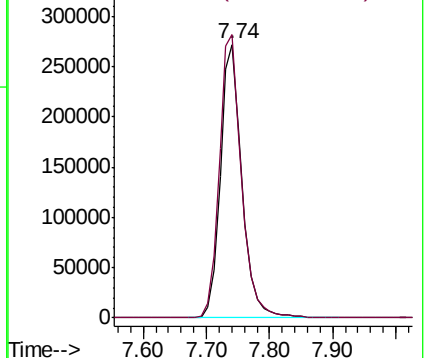
130 100

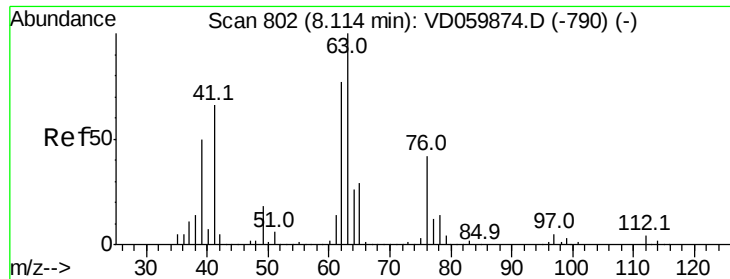
95 103.6 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

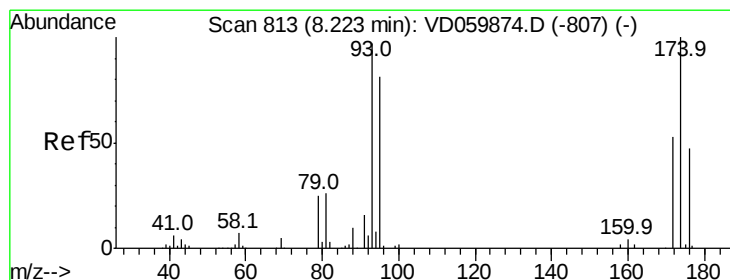
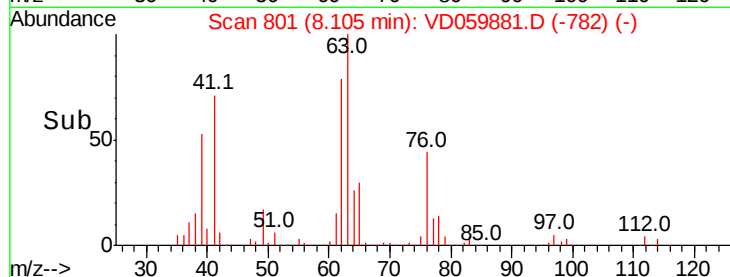
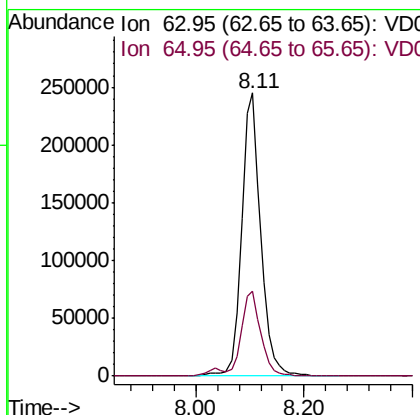
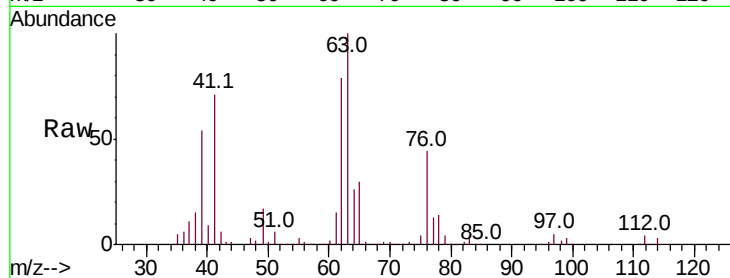




#45
 1,2-Dichloropropane
 Concen: 49.375 ug/l
 RT: 8.11 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

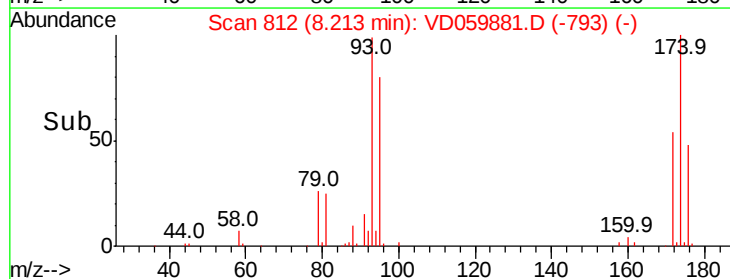
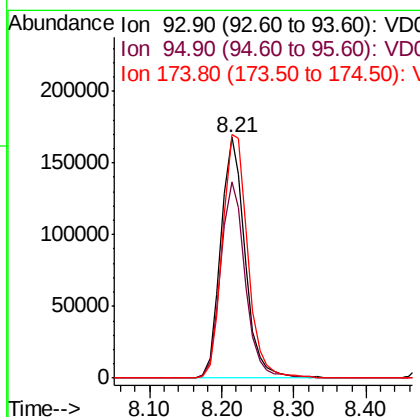
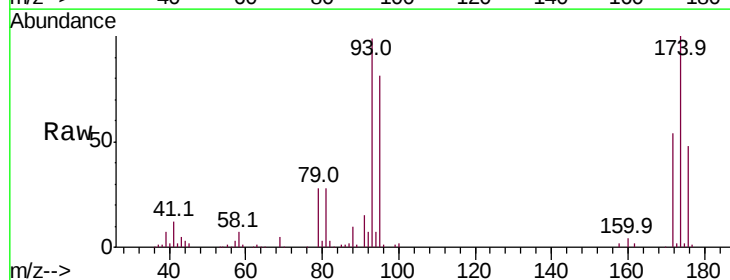
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

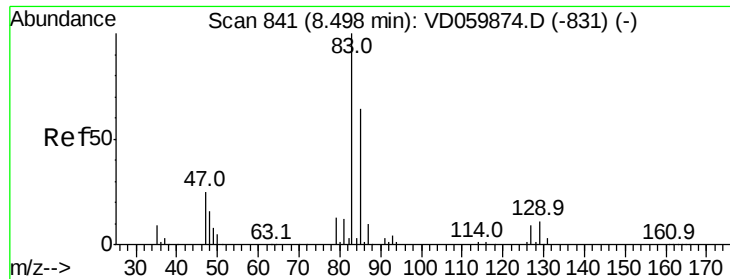
Tot Ion: 63 Resp: 601292
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.5 35.3



#46
 Dibromomethane
 Concen: 49.748 ug/l
 RT: 8.21 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

Tgt Ion: 93 Resp: 389542
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.6 100.0
 174 101.1 82.4 123.6





#47

Bromodichloromethane

Concen: 50.555 ug/l

RT: 8.49 min Scan# 840

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

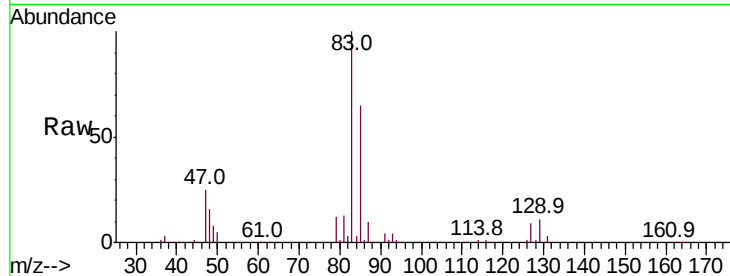
Tot Ion: 83 Resp: 896163

Ion Ratio Lower Upper

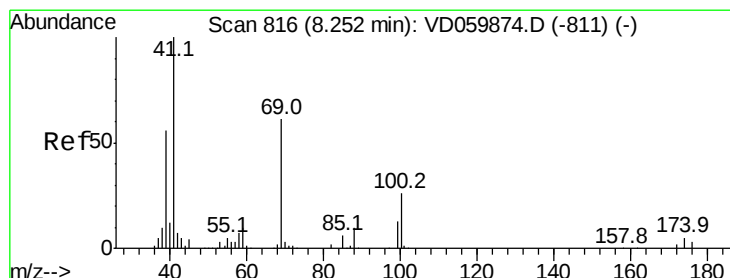
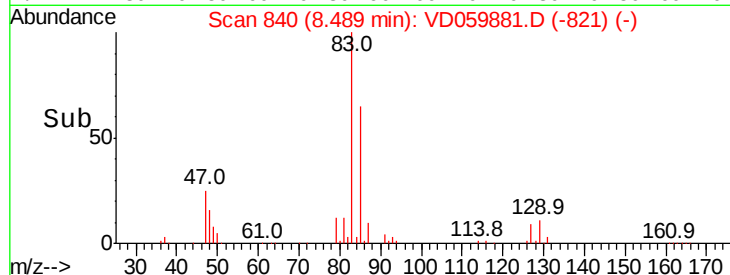
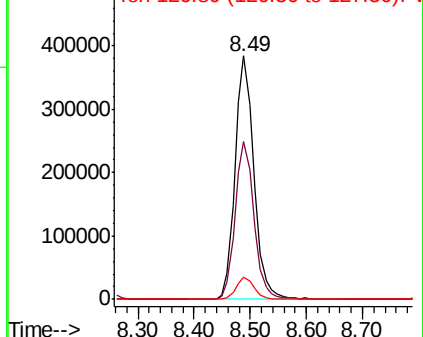
83 100

85 64.9 51.3 76.9

127 9.1 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: 48.686 ug/l

RT: 8.24 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

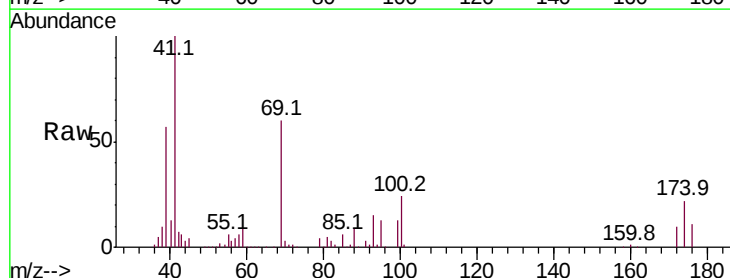
Tgt Ion: 41 Resp: 481409

Ion Ratio Lower Upper

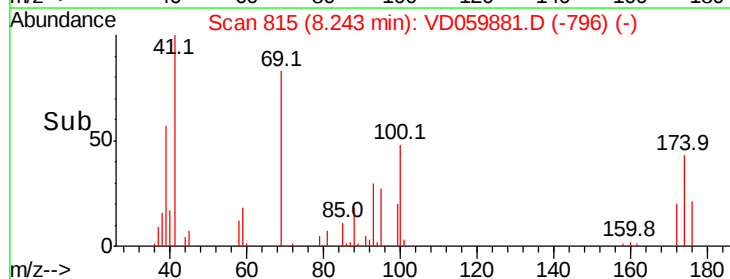
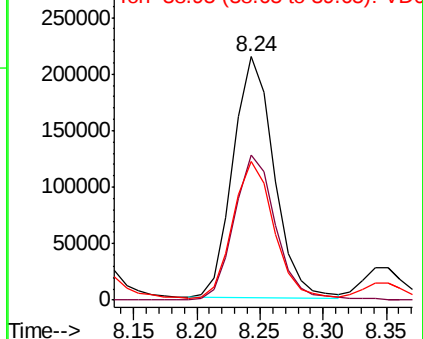
41 100

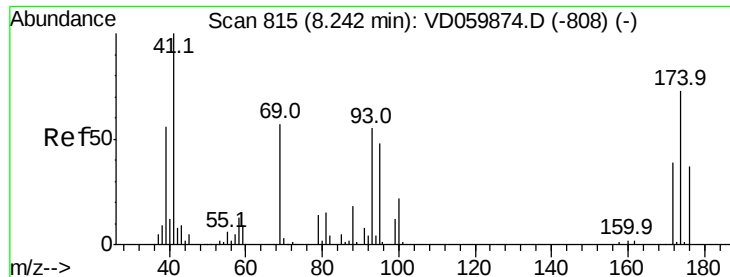
69 59.7 48.0 72.0

39 56.9 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: 950.007 ug/l

RT: 8.22 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

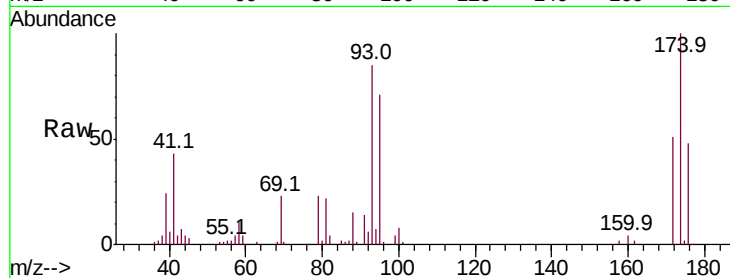
Tot Ion: 88 Resp: 83866

Ion Ratio Lower Upper

88 100

43 48.1 45.0 67.6

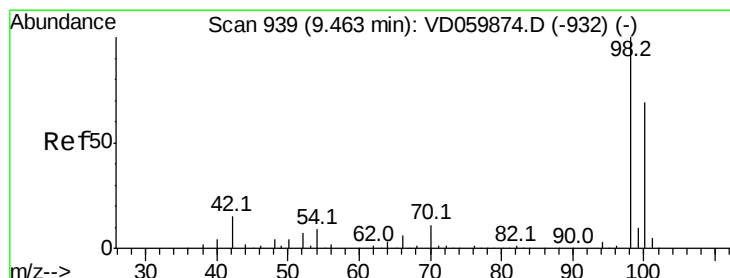
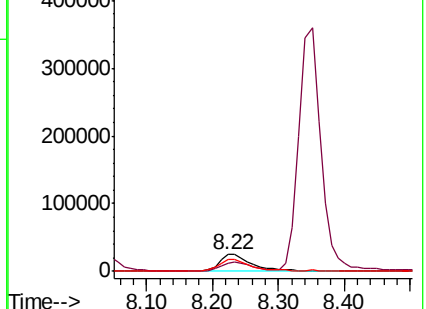
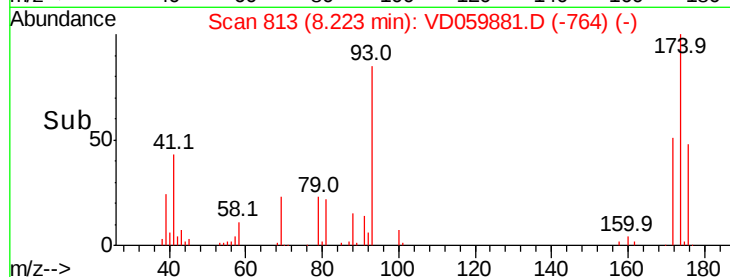
58 71.6 55.8 83.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 950.007 ug/l

RT: 9.45 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD059881.D

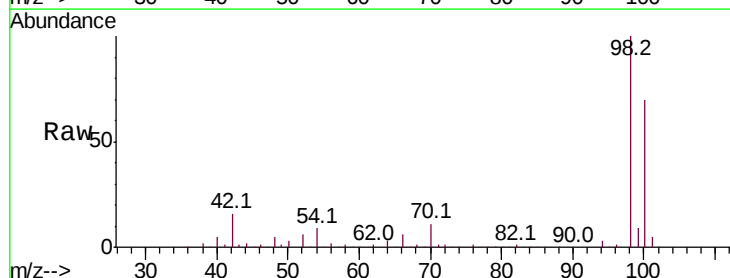
Acq: 23 Aug 2018 11:01

Tgt Ion: 98 Resp: 2060658

Ion Ratio Lower Upper

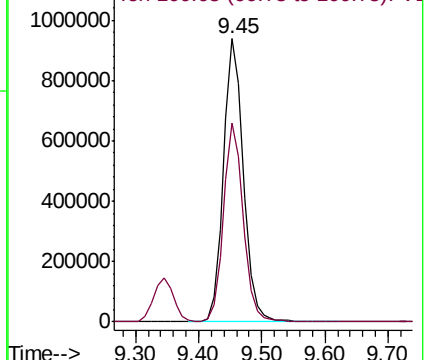
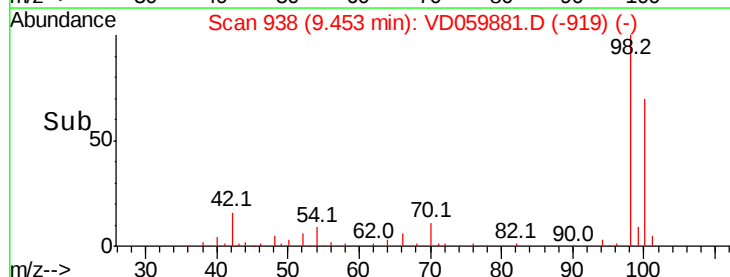
98 100

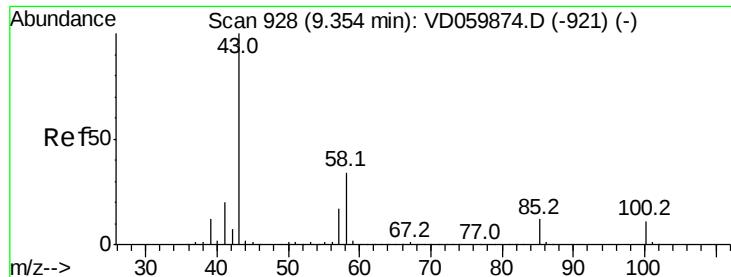
100 70.3 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 260.520 ug/l

RT: 9.34 min Scan# 927

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

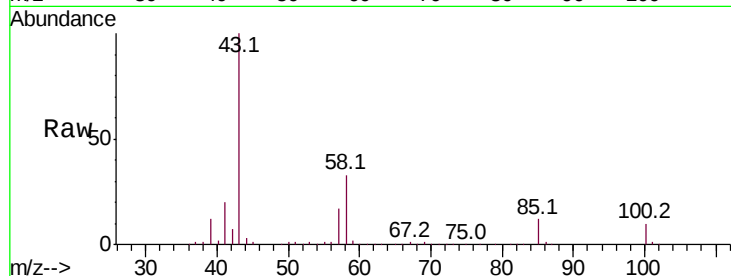
VSTDCCC050

Tot Ion: 43 Resp: 3294522

Ion Ratio Lower Upper

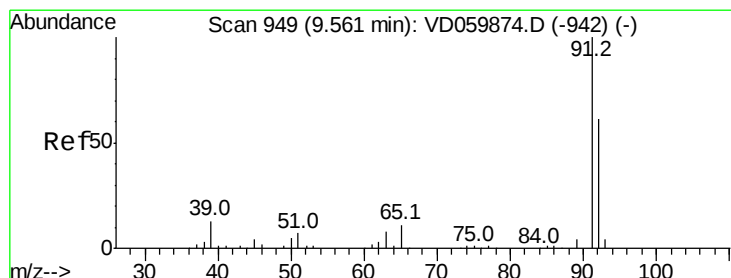
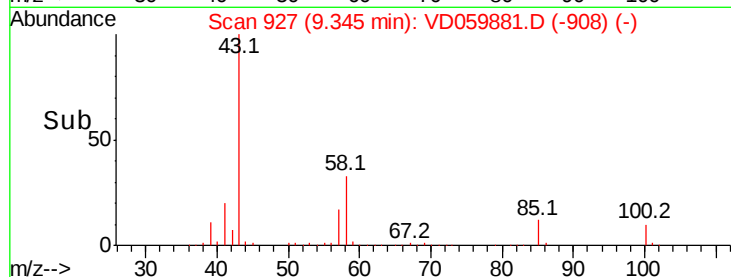
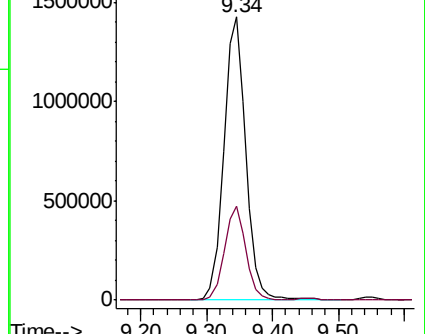
43 100

58 33.2 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: 50.895 ug/l

RT: 9.55 min Scan# 948

Delta R.T. -0.01 min

Lab File: VD059881.D

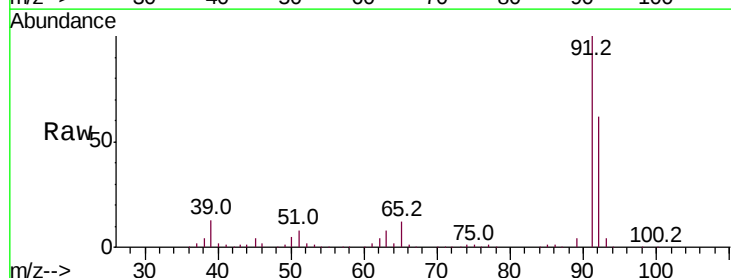
Acq: 23 Aug 2018 11:01

Tgt Ion: 92 Resp: 1421859

Ion Ratio Lower Upper

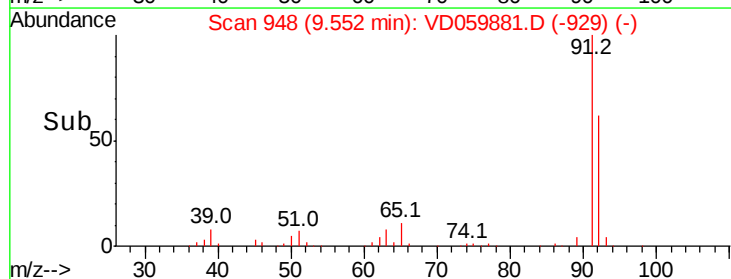
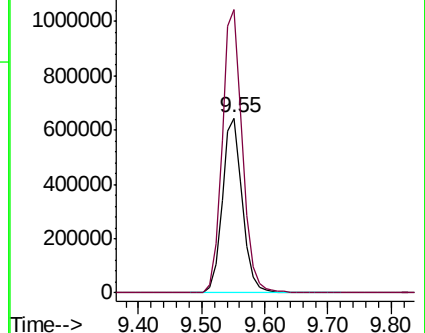
92 100

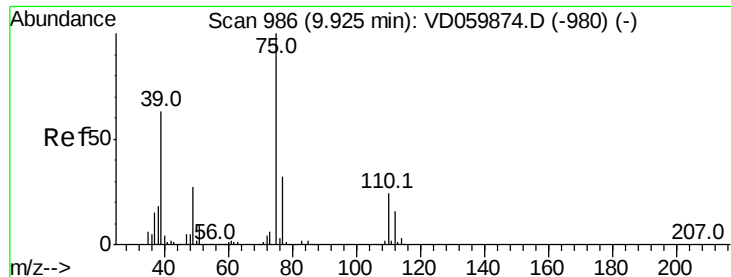
91 161.9 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

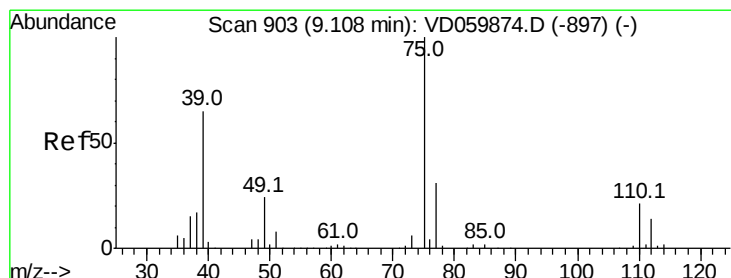
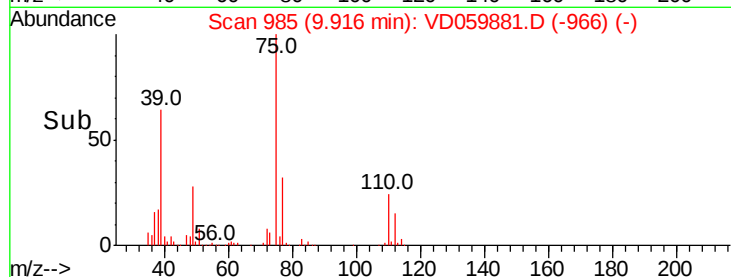
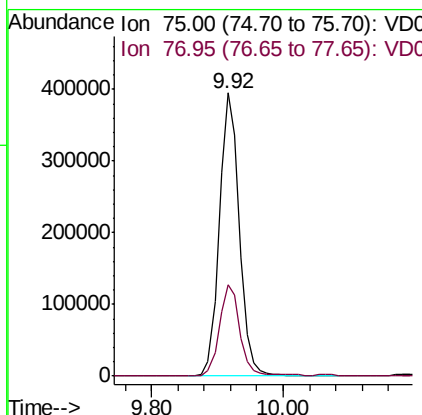
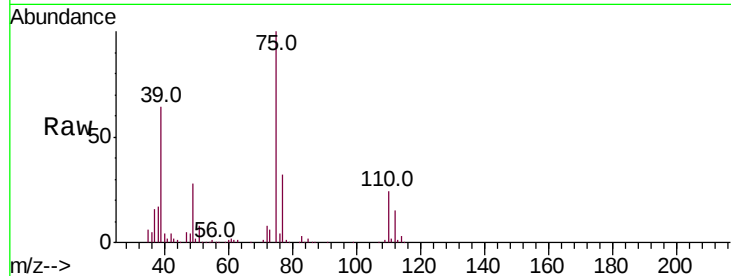




#53
 t-1,3-Dichloropropene
 Concen: 50.683 ug/l
 RT: 9.92 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

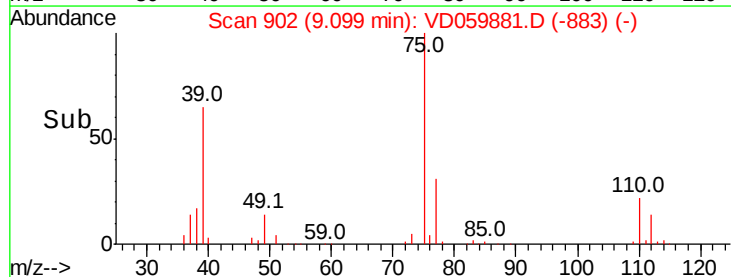
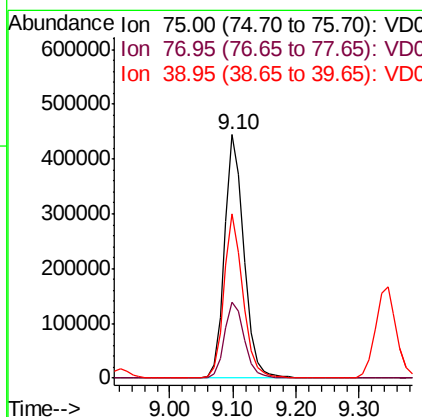
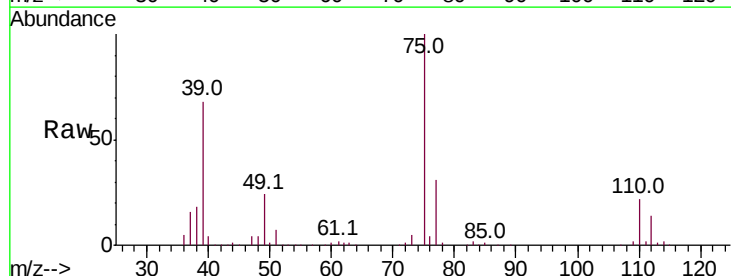
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

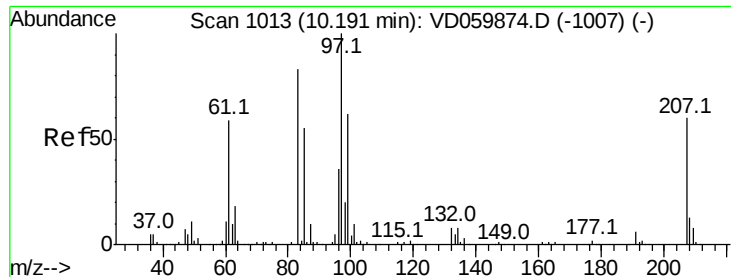
Tot Ion: 75 Resp: 830994
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 49.825 ug/l
 RT: 9.10 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

Tgt Ion: 75 Resp: 947172
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.8 37.2
 39 67.6 52.1 78.1

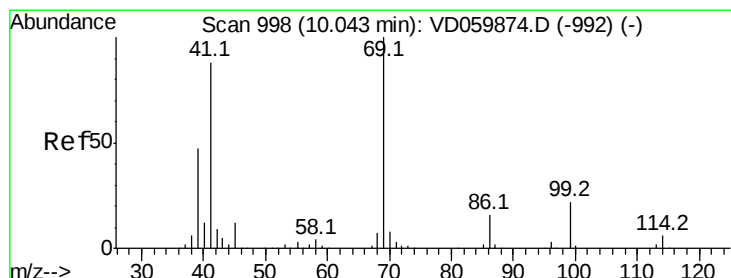
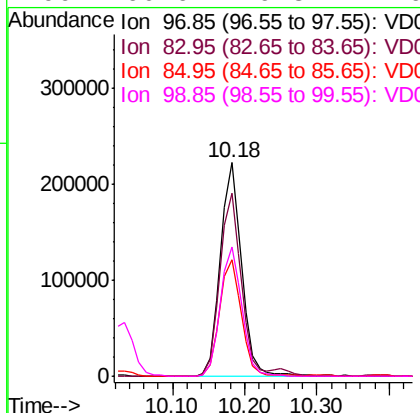
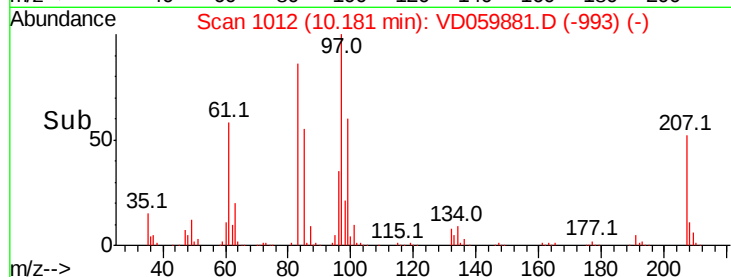
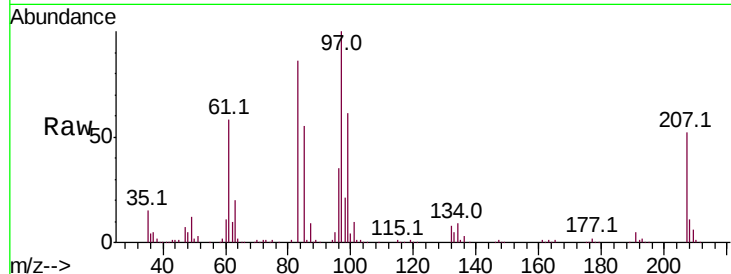




#55
 1,1,2-Trichloroethane
 Concen: 44.288 ug/l
 RT: 10.18 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

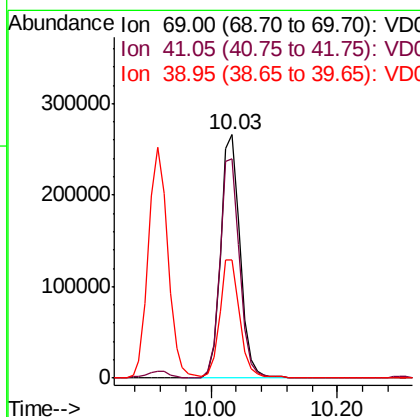
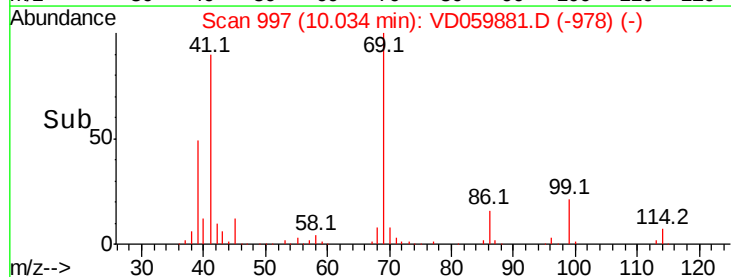
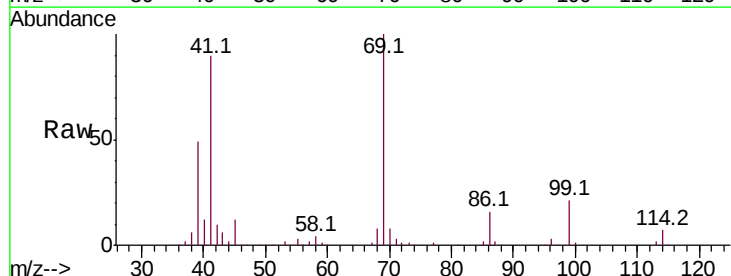
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

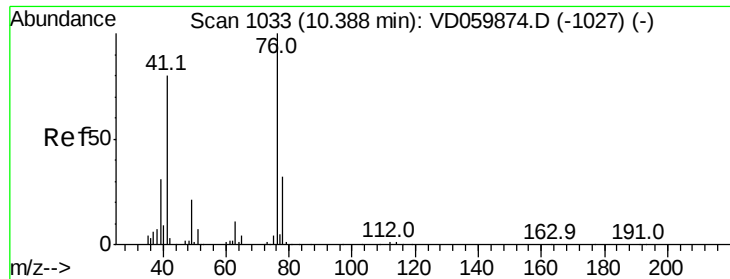
Tot Ion: 97 Resp: 452265
 Ion Ratio Lower Upper
 97 100
 83 85.5 66.7 100.1
 85 54.8 43.8 65.6
 99 60.6 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 48.580 ug/l
 RT: 10.03 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

Tgt Ion: 69 Resp: 572550
 Ion Ratio Lower Upper
 69 100
 41 90.0 71.0 106.4
 39 48.7 38.5 57.7





#57

1,3-Dichloropropane

Concen: 49.017 ug/l

RT: 10.38 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

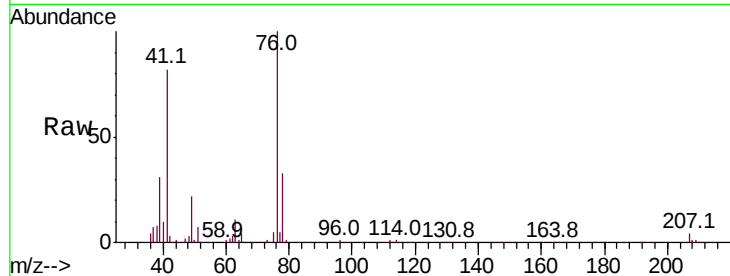
VSTDCCC050

Tot Ion: 76 Resp: 724487

Ion Ratio Lower Upper

76 100

78 33.0 25.8 38.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.38

400000

300000

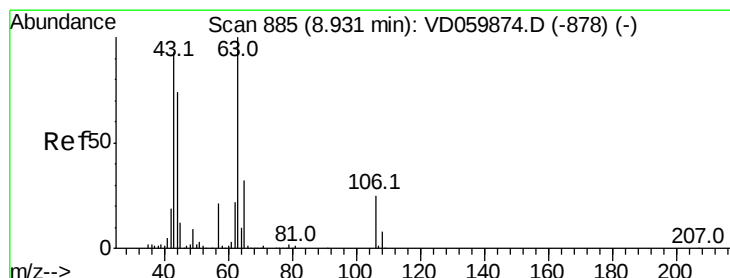
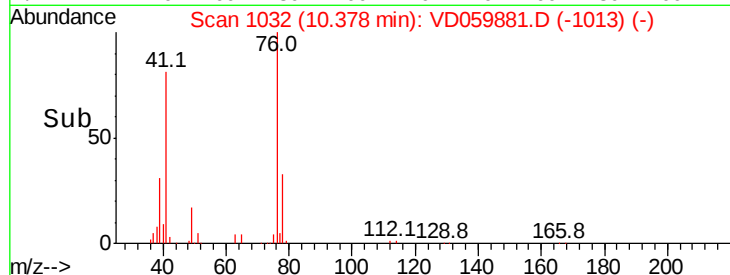
200000

100000

0

10.30 10.40 10.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 247.610 ug/l

RT: 8.92 min Scan# 884

Delta R.T. -0.01 min

Lab File: VD059881.D

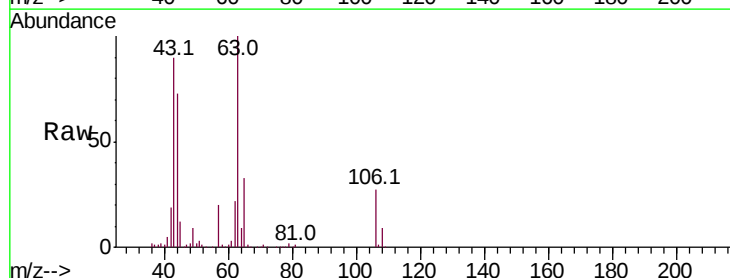
Acq: 23 Aug 2018 11:01

Tgt Ion: 63 Resp: 1399930

Ion Ratio Lower Upper

63 100

106 26.6 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.92

600000

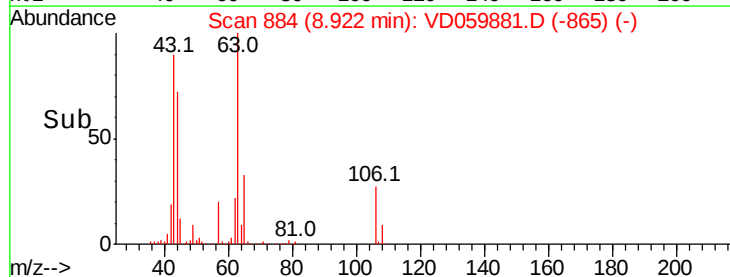
400000

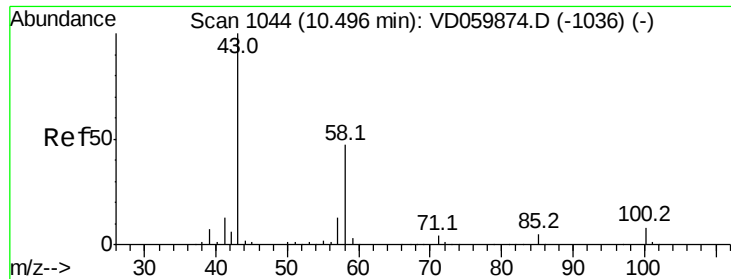
200000

0

8.80 8.90 9.00 9.10

Time-->





#59

2-Hexanone

Concen: 255.702 ug/l

RT: 10.49 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

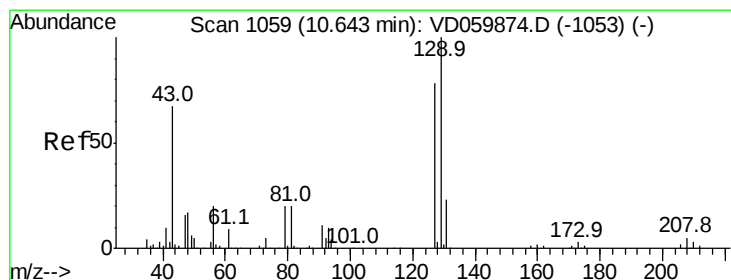
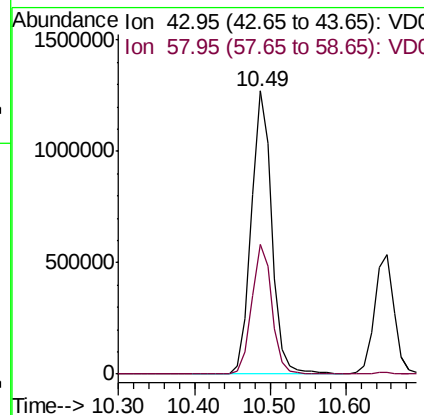
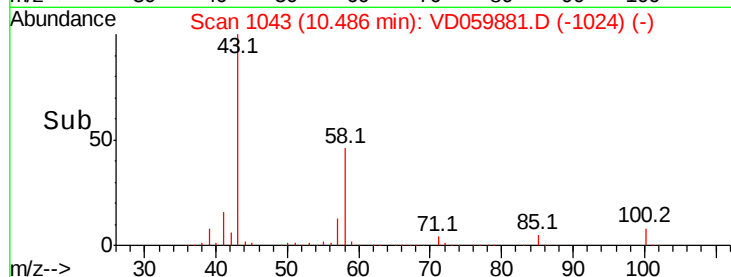
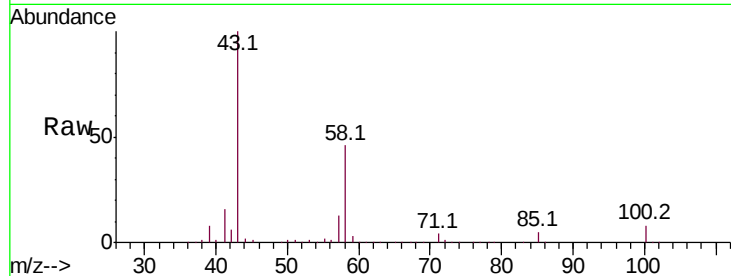
VSTDCCC050

Tot Ion: 43 Resp: 2385043

Ion Ratio Lower Upper

43 100

58 45.7 23.3 69.8



#60

Dibromochloromethane

Concen: 49.906 ug/l

RT: 10.64 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VD059881.D

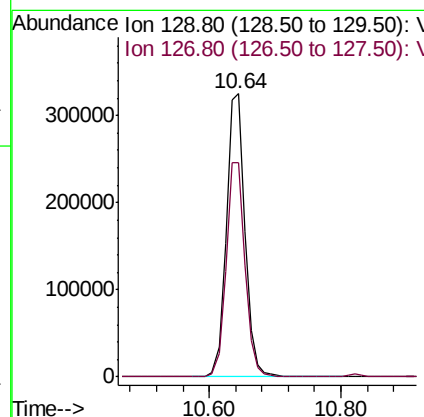
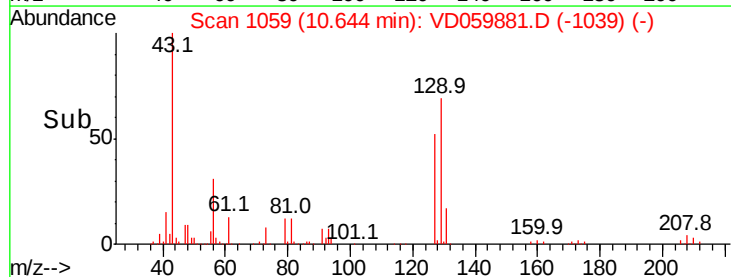
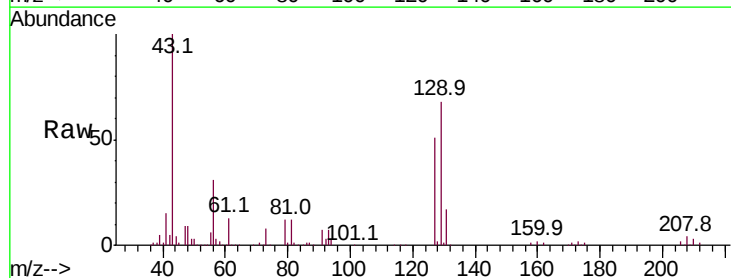
Acq: 23 Aug 2018 11:01

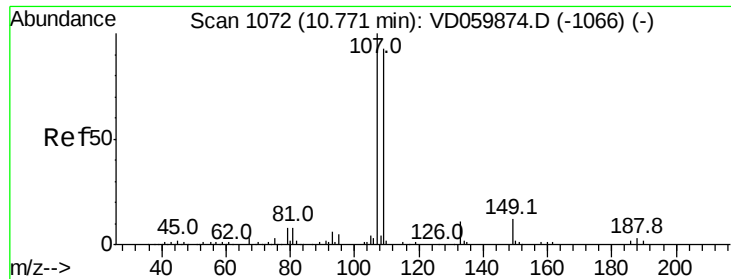
Tgt Ion: 129 Resp: 640570

Ion Ratio Lower Upper

129 100

127 75.5 39.1 117.2

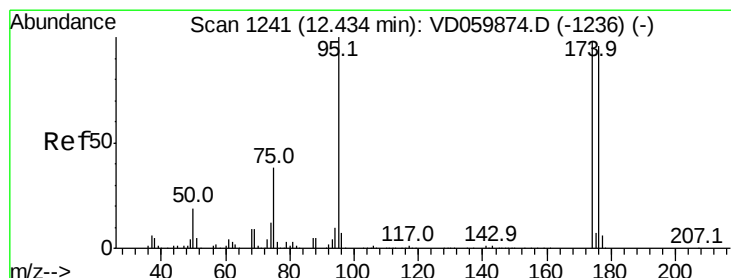
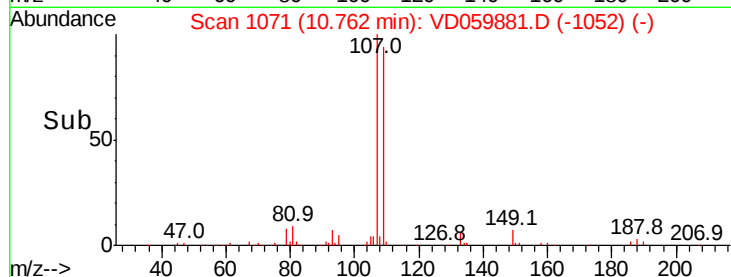
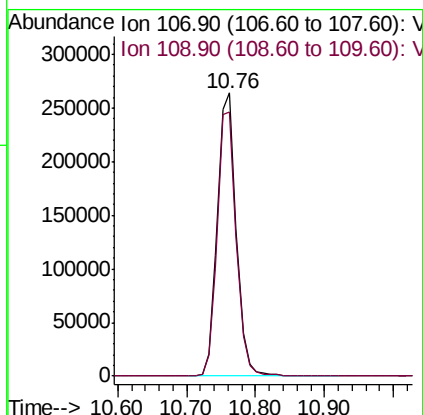
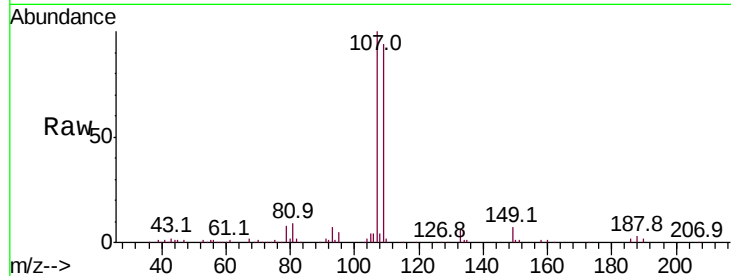




#61
 1,2-Dibromoethane
 Concen: 48.584 ug/l
 RT: 10.76 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

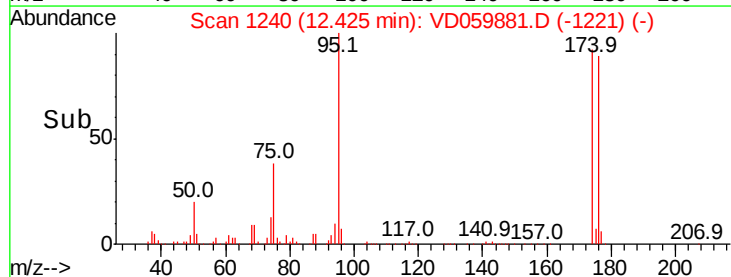
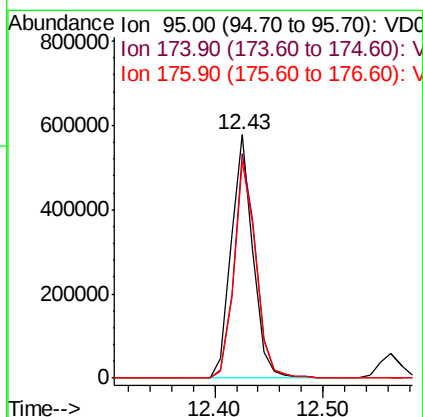
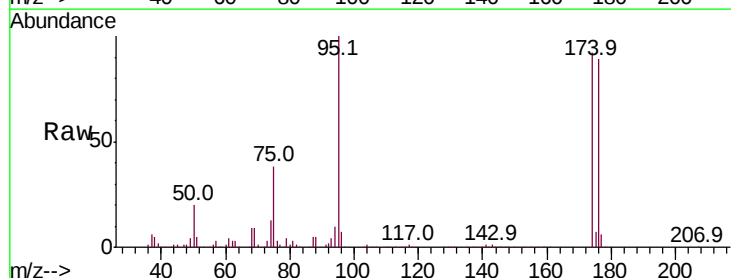
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

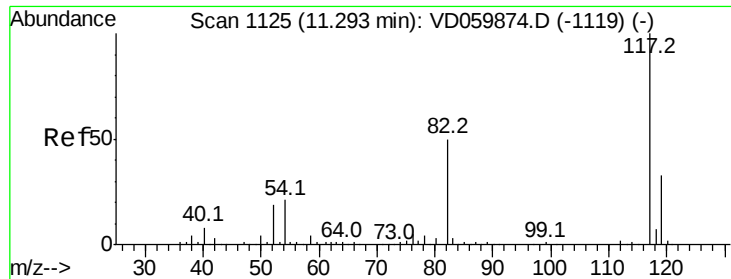
Tot Ion:107 Resp: 501660
 Ion Ratio Lower Upper
 107 100
 109 93.5 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 48.584 ug/l
 RT: 12.43 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

Tgt Ion: 95 Resp: 807470
 Ion Ratio Lower Upper
 95 100
 174 92.3 0.0 195.6
 176 89.1 0.0 191.2

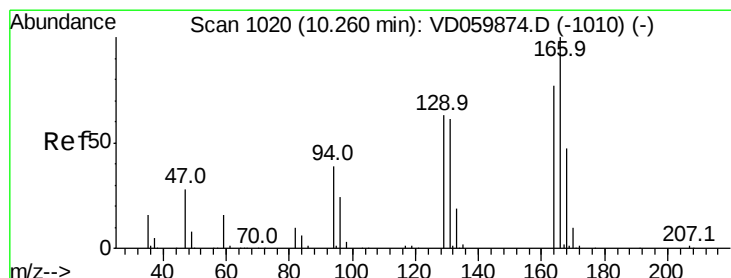
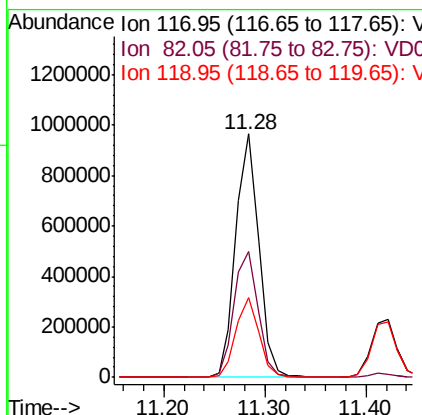
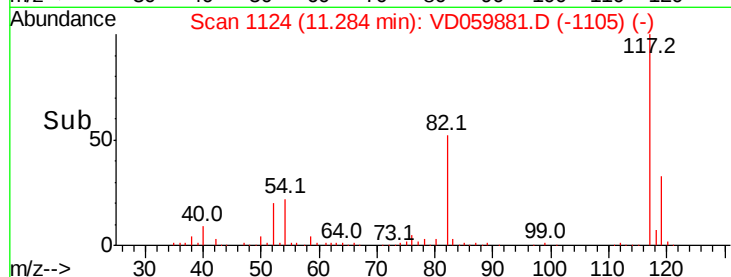
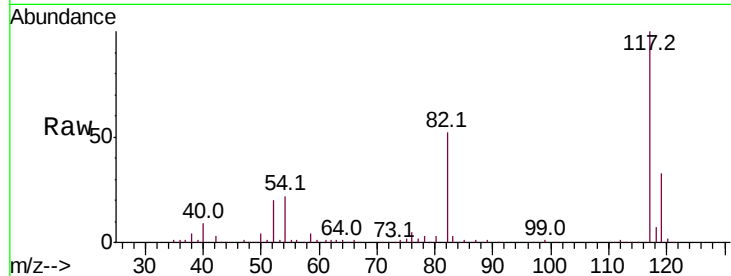




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

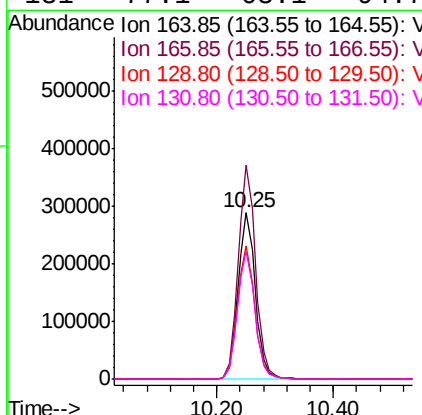
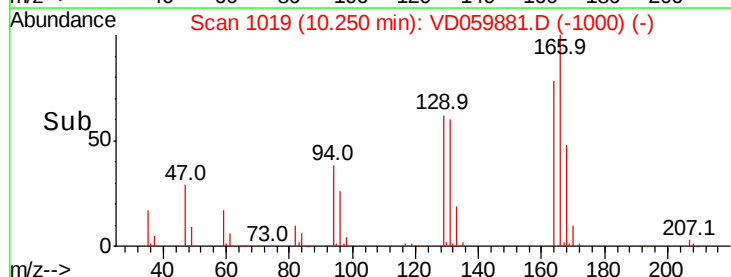
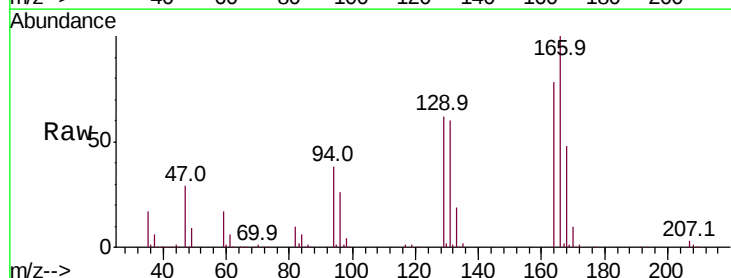
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

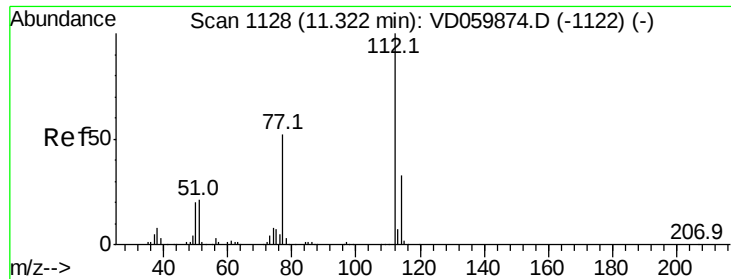
Tot Ion:117 Resp: 1537409
Ion Ratio Lower Upper
117 100
82 51.6 40.1 60.1
119 32.8 26.7 40.1



#64
Tetrachloroethene
Concen: 49.864 ug/l
RT: 10.25 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Tgt Ion:164 Resp: 592764
Ion Ratio Lower Upper
164 100
166 128.5 103.4 155.2
129 80.3 65.2 97.8
131 77.1 63.1 94.7

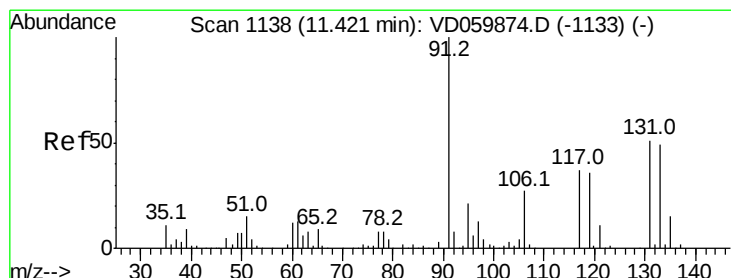
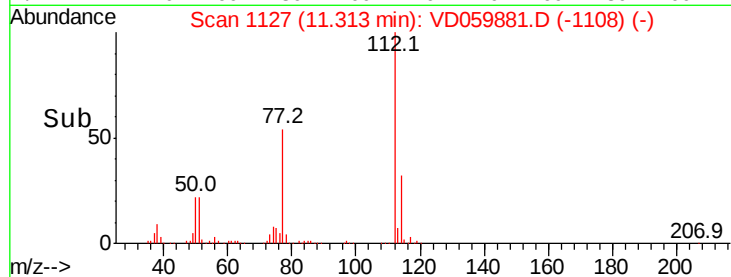
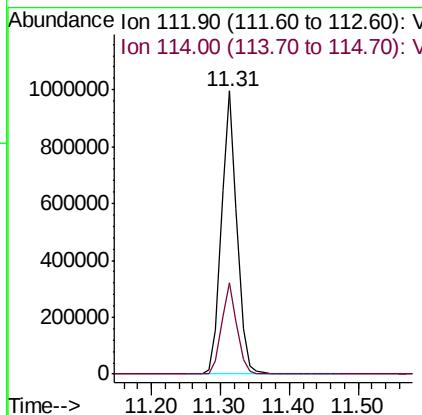
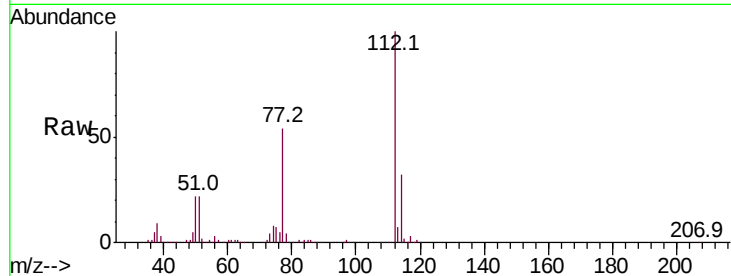




#65
Chlorobenzene
Concen: 50.432 ug/l
RT: 11.31 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

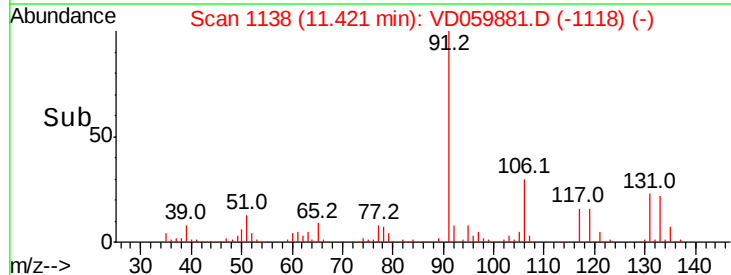
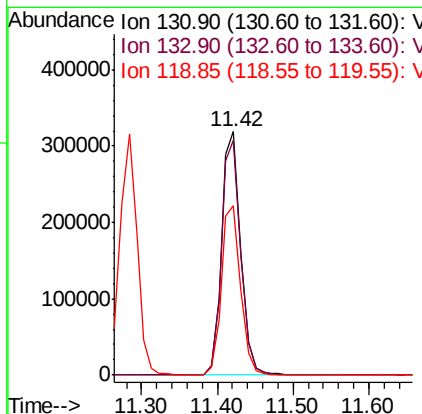
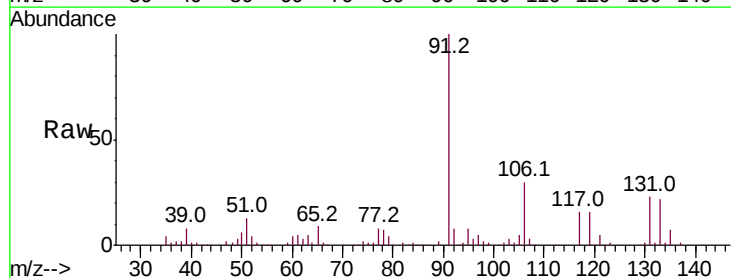
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

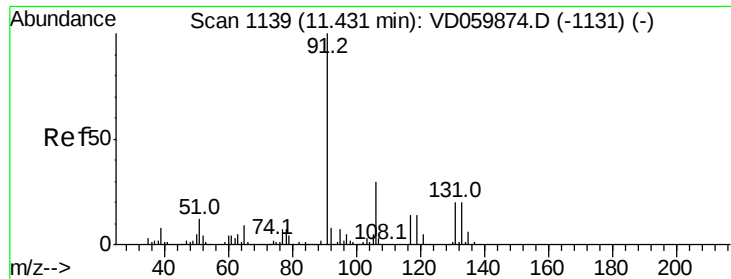
Tot Ion:112 Resp: 1540740
Ion Ratio Lower Upper
112 100
114 32.4 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.999 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Tgt Ion:131 Resp: 558069
Ion Ratio Lower Upper
131 100
133 96.3 48.3 144.8
119 69.5 35.4 106.3

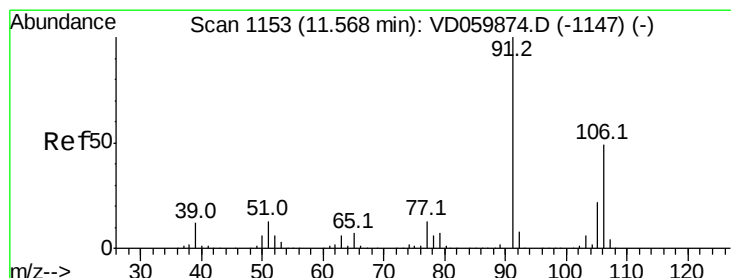
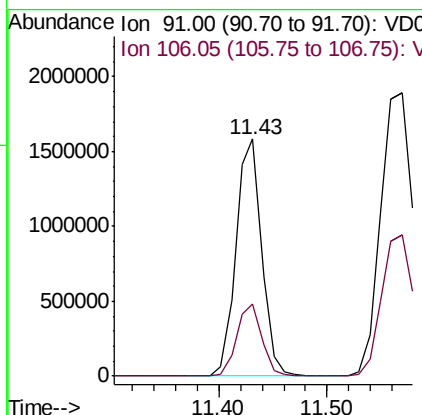
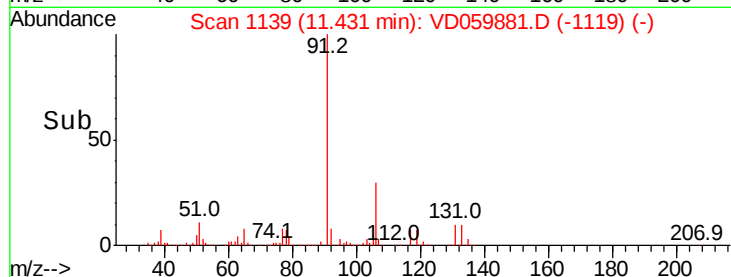
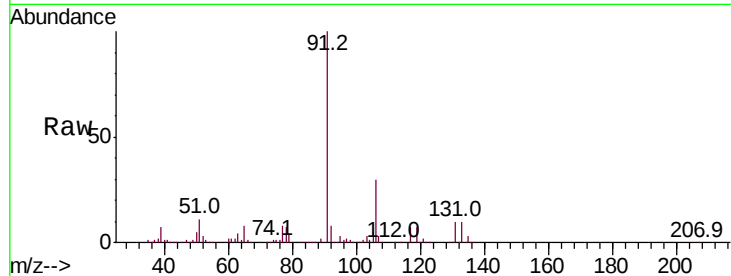




#67
Ethyl Benzene
Concen: 50.765 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

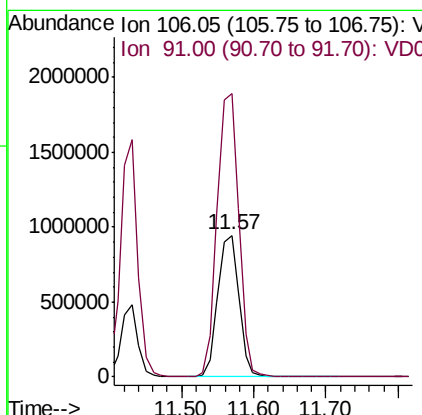
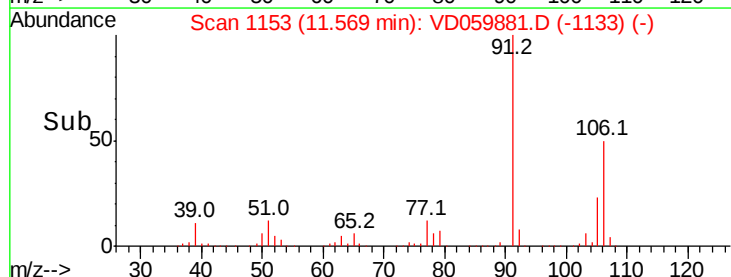
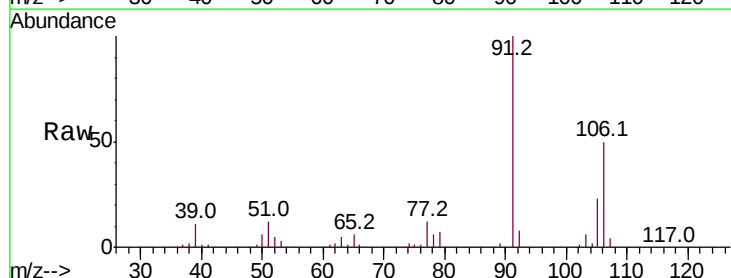
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

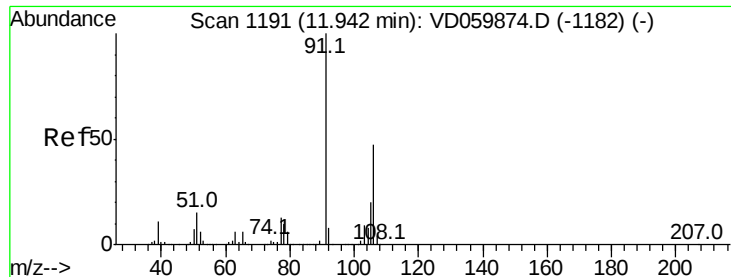
Tot Ion: 91 Resp: 2609224
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.8



#68
m/p-Xylenes
Concen: 101.598 ug/l
RT: 11.57 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Tgt Ion:106 Resp: 1901257
Ion Ratio Lower Upper
106 100
91 200.1 162.0 243.0

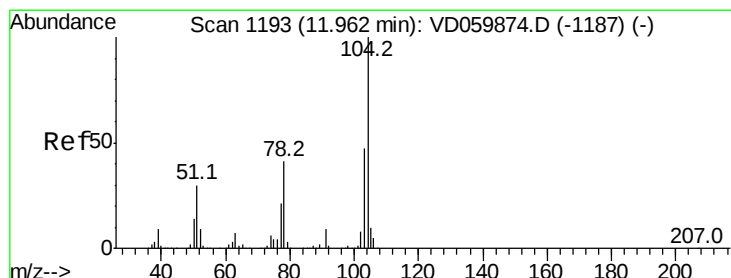
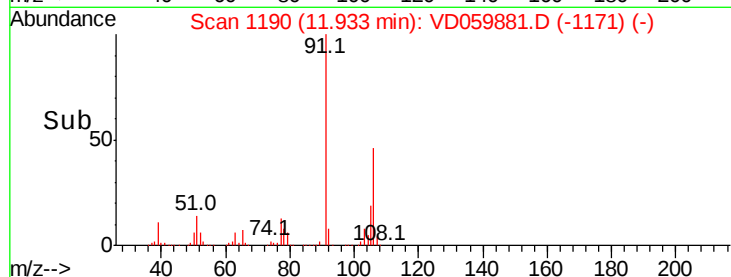
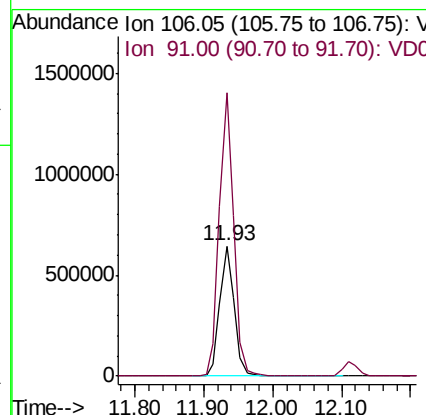
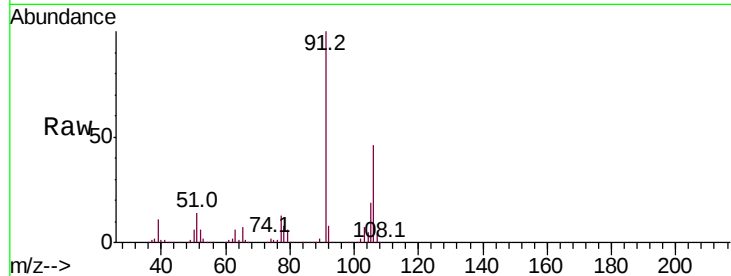




#69
o-Xylene
Concen: 50.973 ug/l
RT: 11.93 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

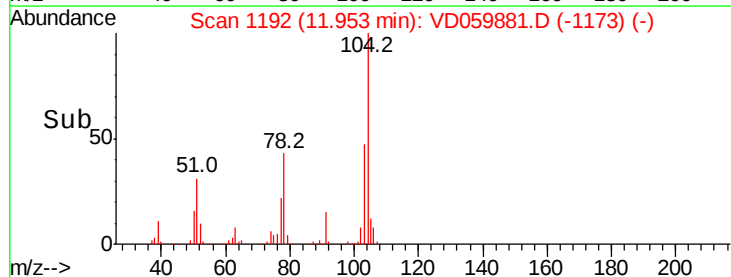
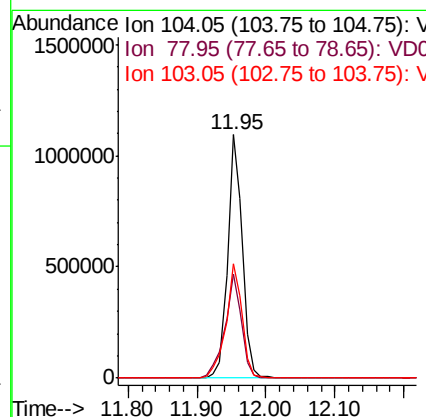
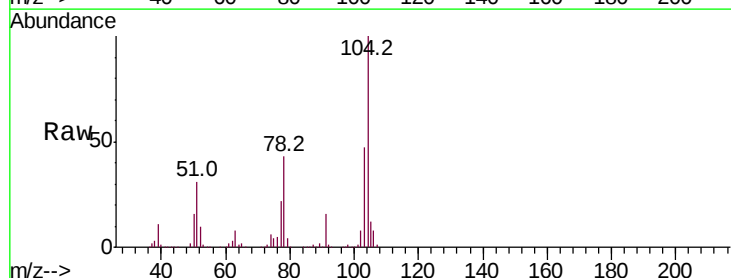
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

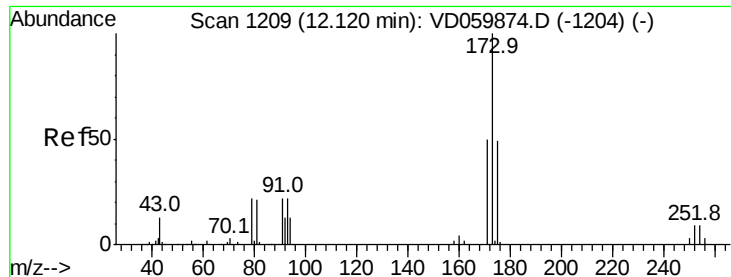
Tot Ion:106 Resp: 932953
Ion Ratio Lower Upper
106 100
91 217.2 107.3 322.0



#70
Styrene
Concen: 50.719 ug/l
RT: 11.95 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Tgt Ion:104 Resp: 1607374
Ion Ratio Lower Upper
104 100
78 42.9 32.6 49.0
103 47.1 37.7 56.5





#71

Bromoform

Concen: 50.134 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

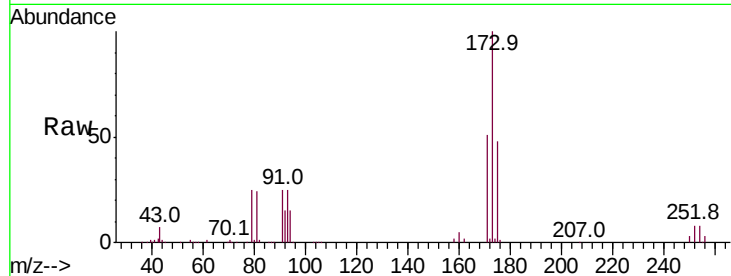
Tot Ion:173 Resp: 484167

Ion Ratio Lower Upper

173 100

175 48.0 24.3 73.0

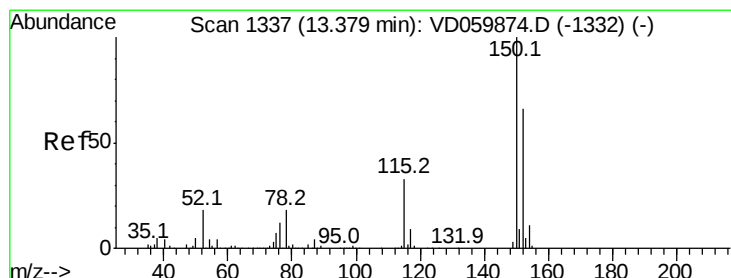
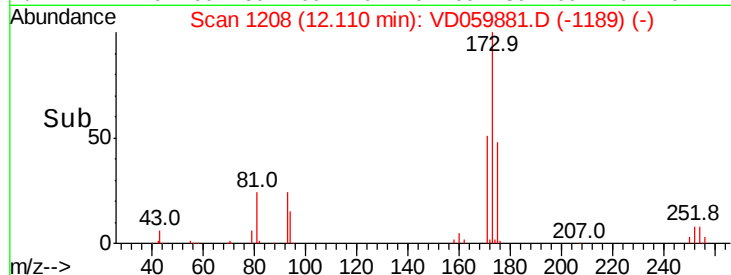
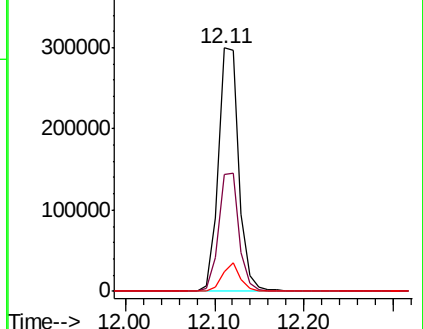
254 8.0 7.0 10.6



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: VD059881.D

Acq: 23 Aug 2018 11:01

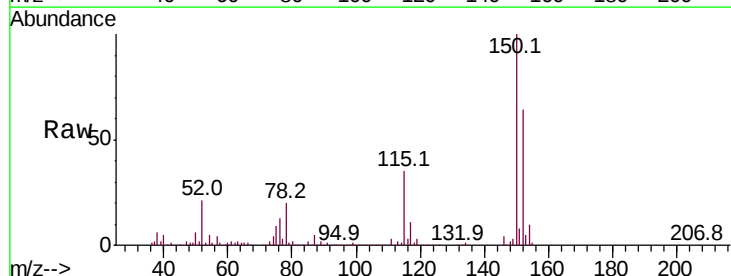
Tgt Ion:152 Resp: 799500

Ion Ratio Lower Upper

152 100

115 54.7 25.7 77.0

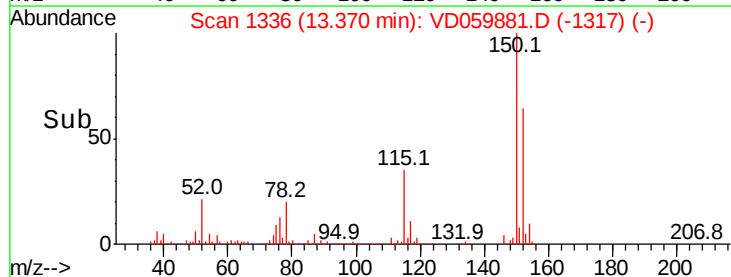
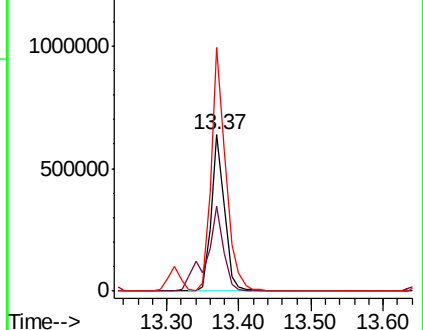
150 156.0 0.0 310.2

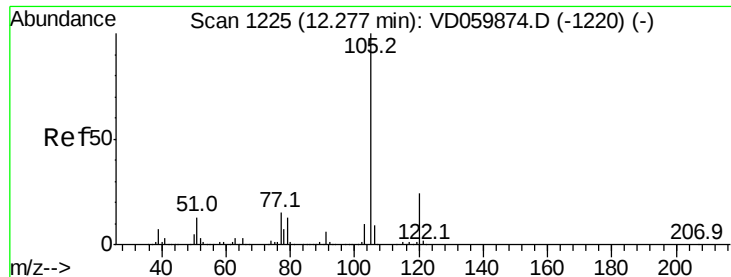


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.350 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

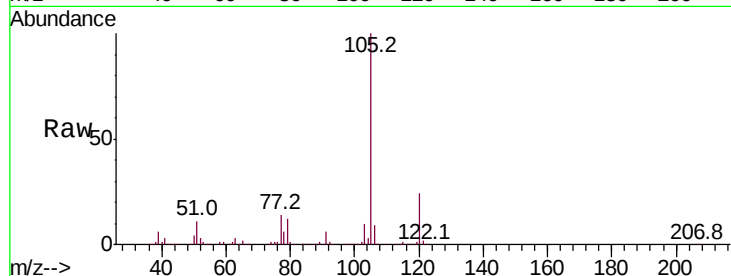
VSTDCCC050

Tot Ion:105 Resp: 2569648

Ion Ratio Lower Upper

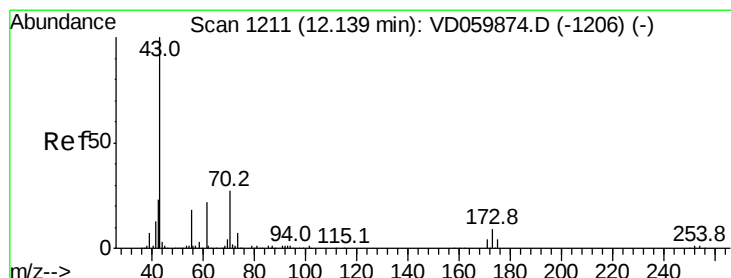
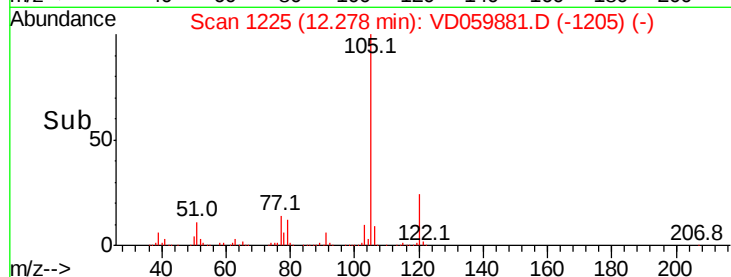
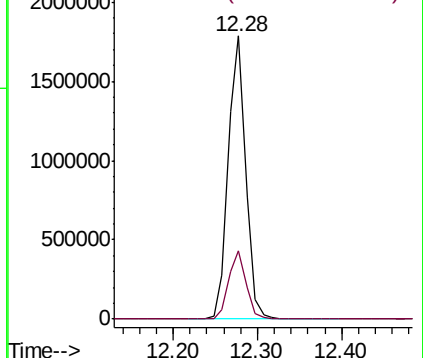
105 100

120 24.3 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.632 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Tgt Ion: 43 Resp: 1086751

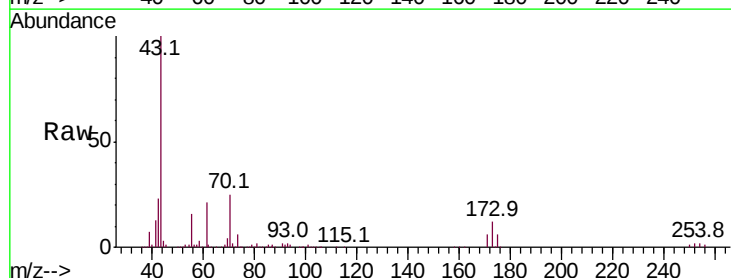
Ion Ratio Lower Upper

43 100

70 25.3 21.4 32.2

55 16.2 14.1 21.1

61 20.8 17.8 26.8

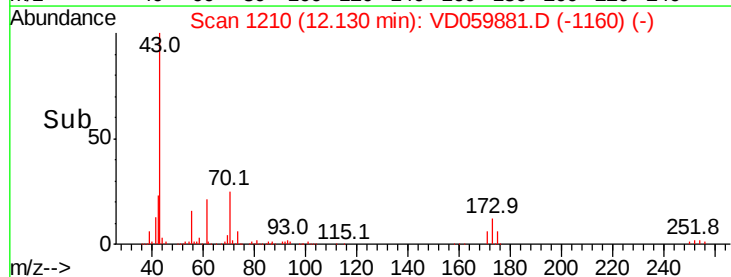
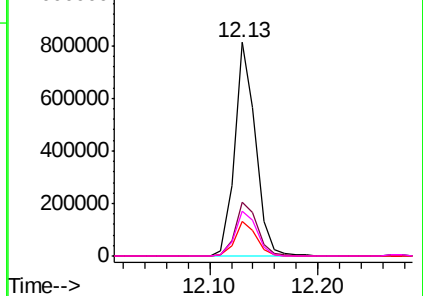


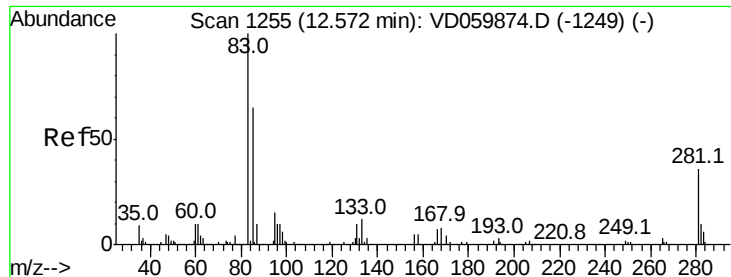
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 48.230 ug/l

RT: 12.56 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

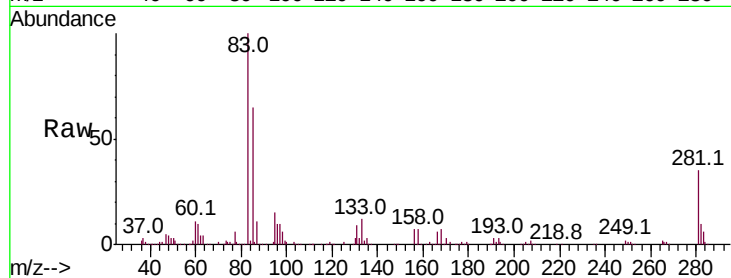
Tot Ion: 83 Resp: 569343

Ion Ratio Lower Upper

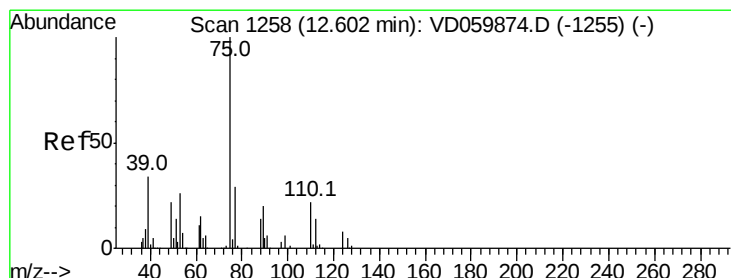
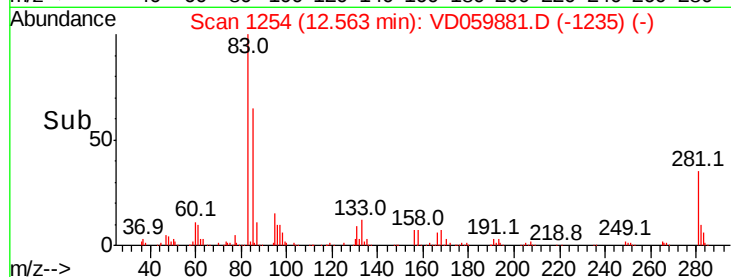
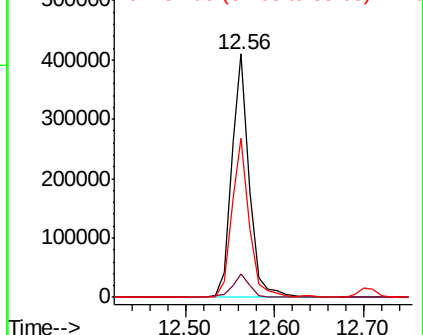
83 100

131 9.5 4.8 14.4

85 65.4 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: 48.620 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059881.D

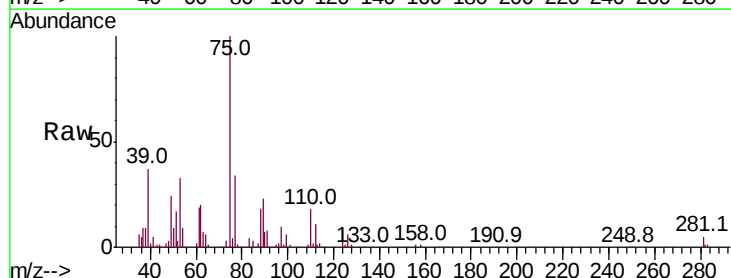
Acq: 23 Aug 2018 11:01

Tgt Ion: 75 Resp: 604153

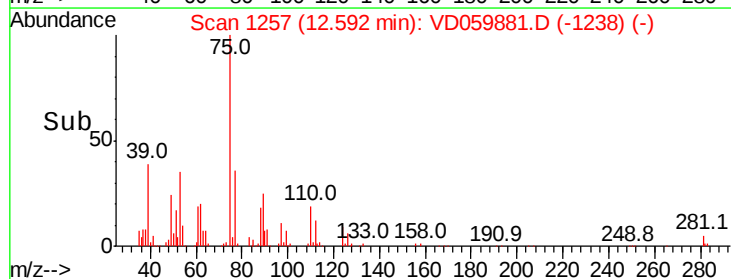
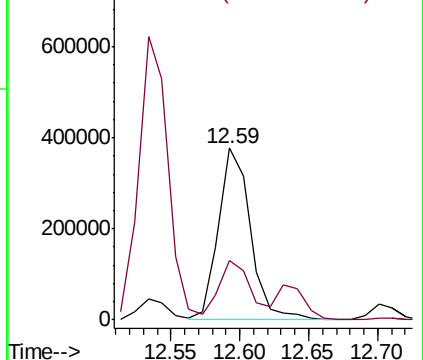
Ion Ratio Lower Upper

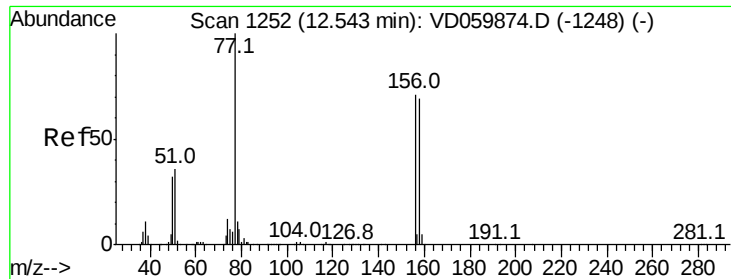
75 100

77 34.3 16.4 49.2



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





#77

Bromobenzene

Concen: 50.515 ug/l

RT: 12.54 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

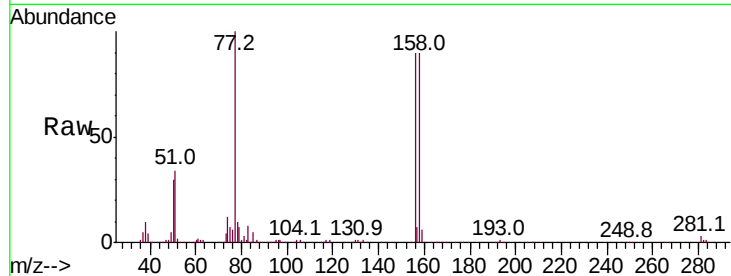
Tot Ion:156 Resp: 714778

Ion Ratio Lower Upper

156 100

77 111.2 70.2 210.4

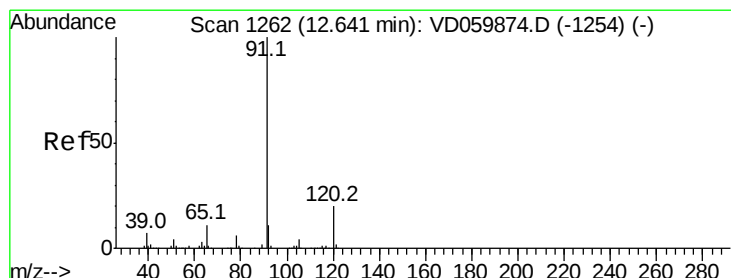
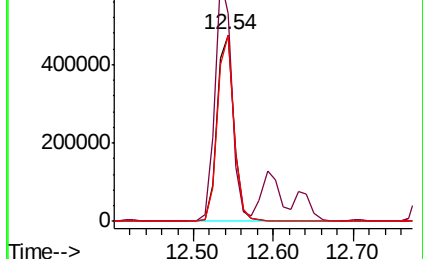
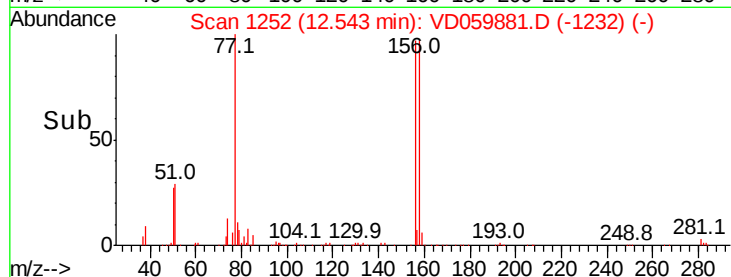
158 99.7 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.802 ug/l

RT: 12.63 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD059881.D

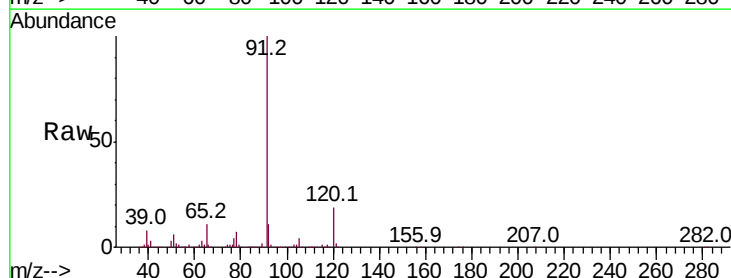
Acq: 23 Aug 2018 11:01

Tgt Ion: 91 Resp: 3218418

Ion Ratio Lower Upper

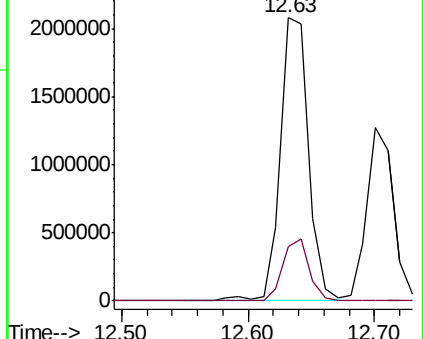
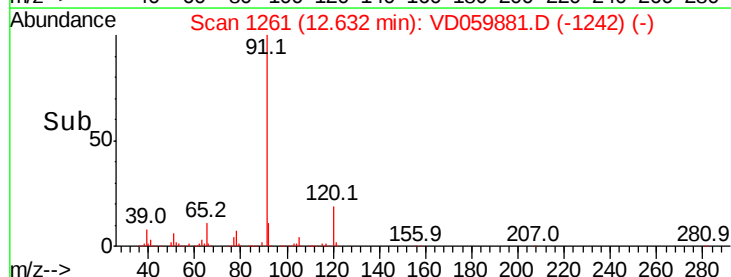
91 100

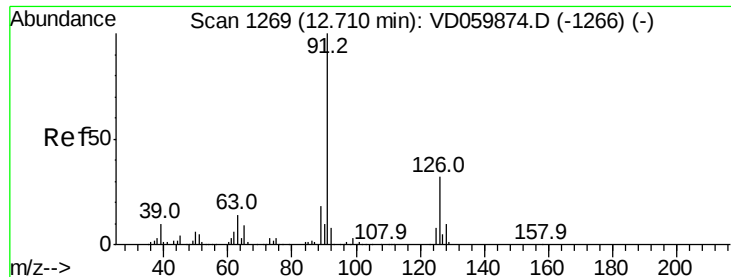
120 19.0 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

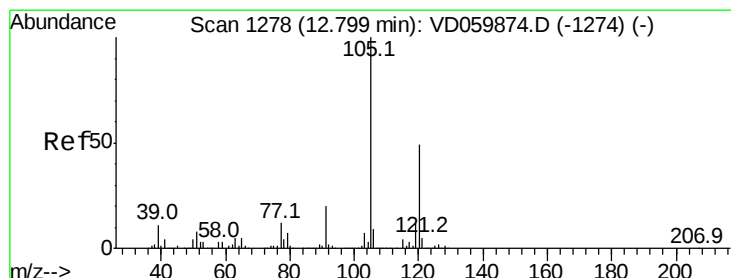
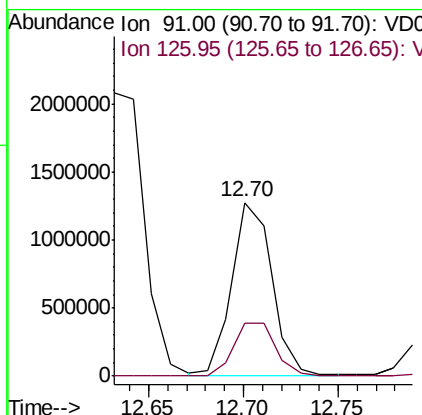
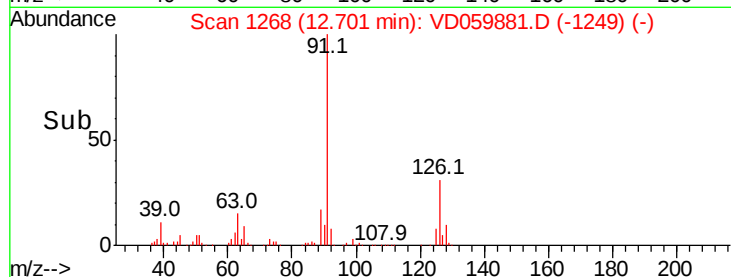
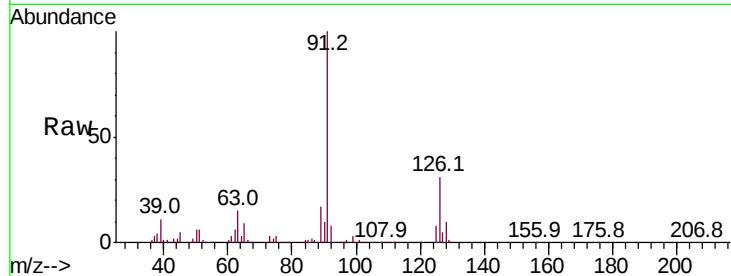




#79
 2-Chlorotoluene
 Concen: 51.051 ug/l
 RT: 12.70 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

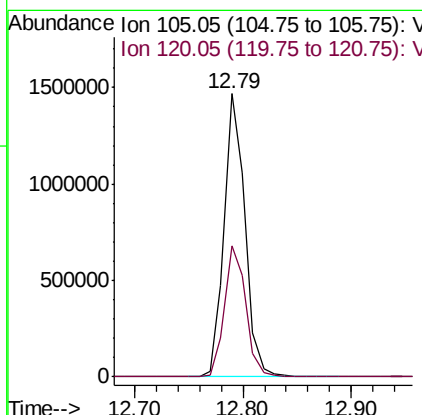
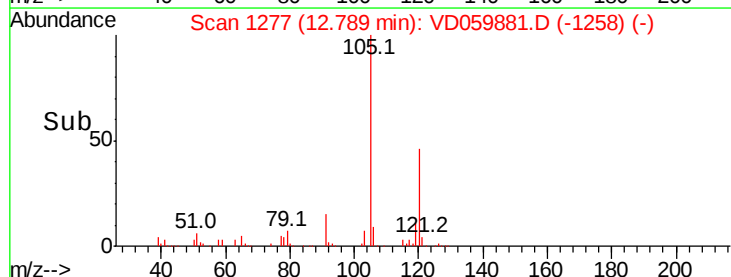
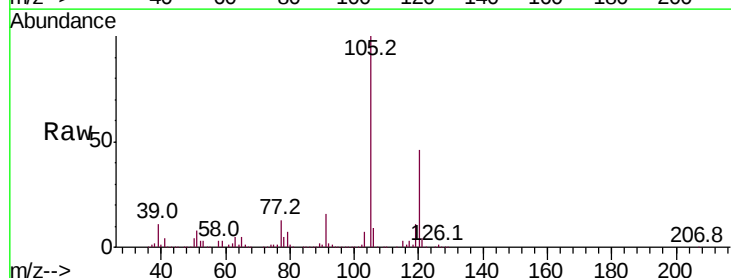
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

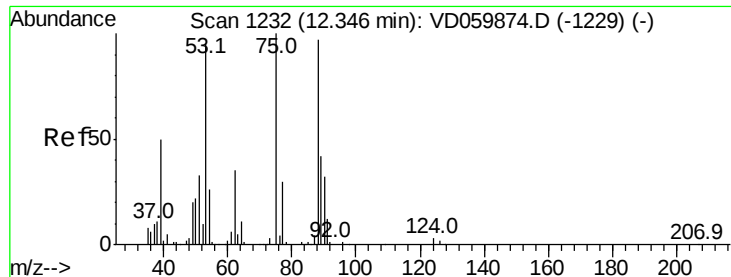
Tot Ion: 91 Resp: 1865760
 Ion Ratio Lower Upper
 91 100
 126 30.8 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 48.312 ug/l
 RT: 12.79 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

Tgt Ion:105 Resp: 1960297
 Ion Ratio Lower Upper
 105 100
 120 46.1 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 48.234 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

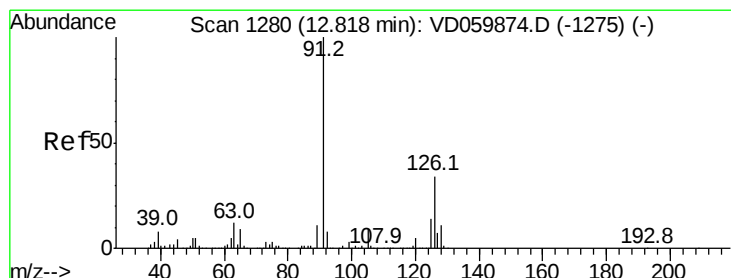
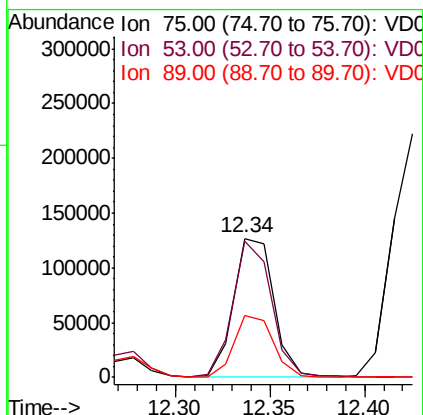
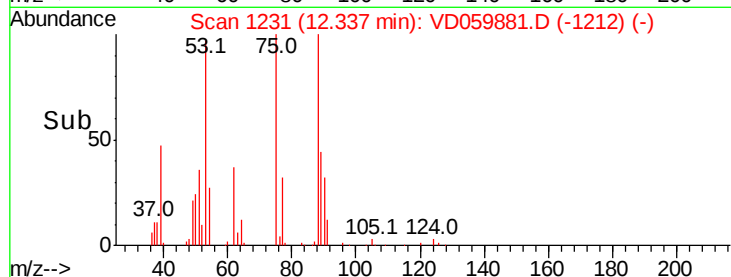
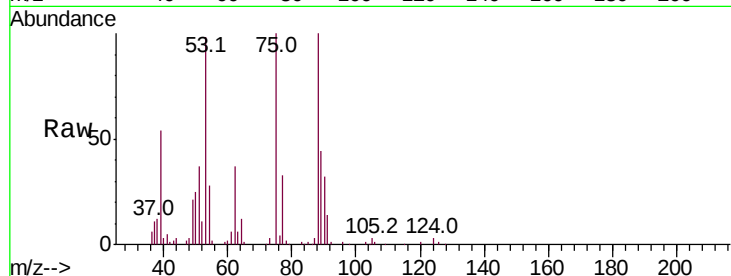
Tot Ion: 75 Resp: 186440

Ion Ratio Lower Upper

75 100

53 97.8 75.8 113.6

89 44.0 33.6 50.4



#82

4-Chlorotoluene

Concen: 47.761 ug/l

RT: 12.81 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VD059881.D

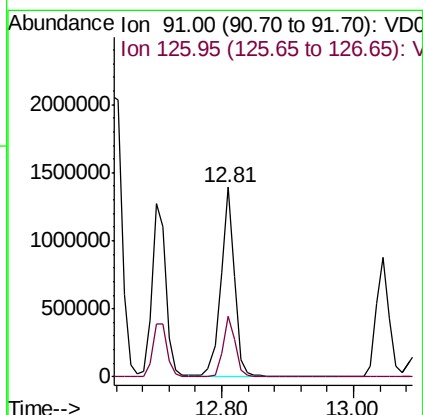
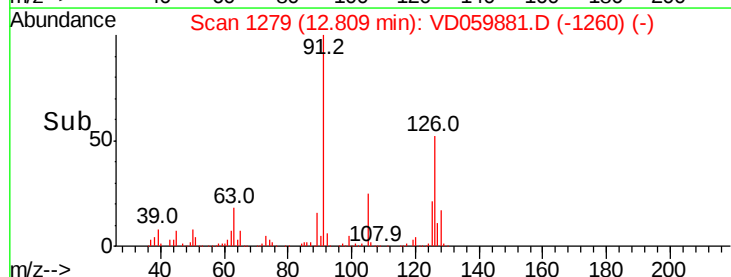
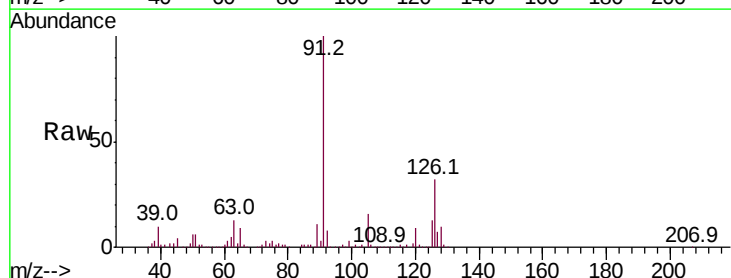
Acq: 23 Aug 2018 11:01

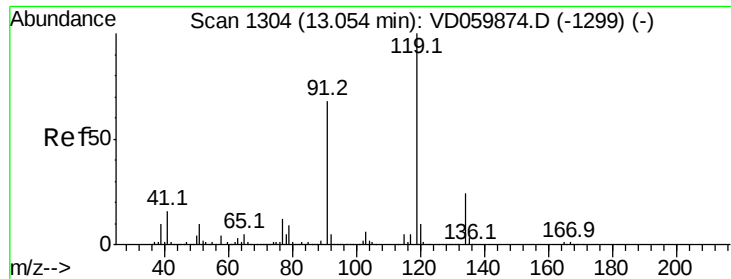
Tgt Ion: 91 Resp: 1990966

Ion Ratio Lower Upper

91 100

126 32.2 17.1 51.2

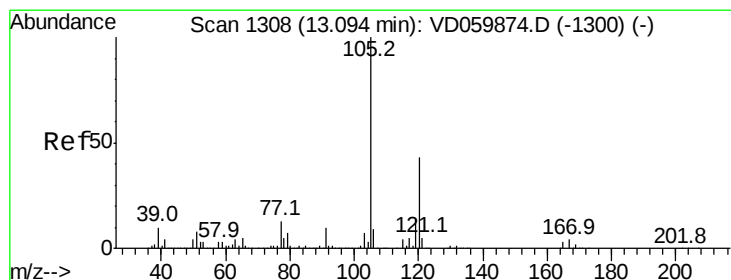
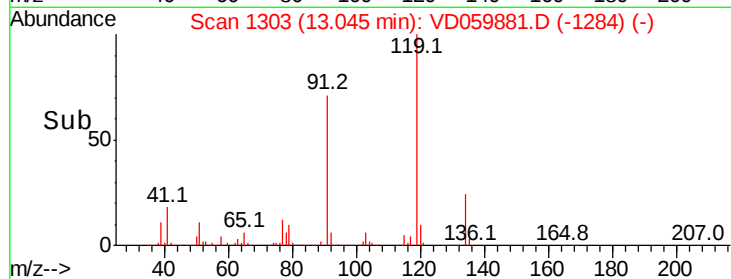
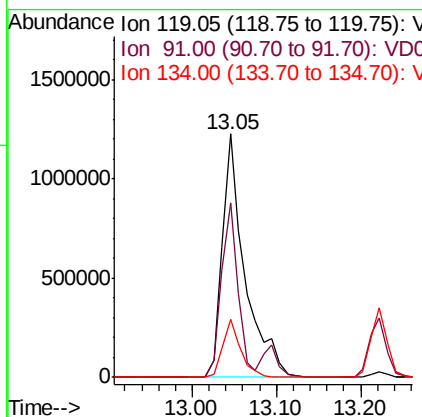
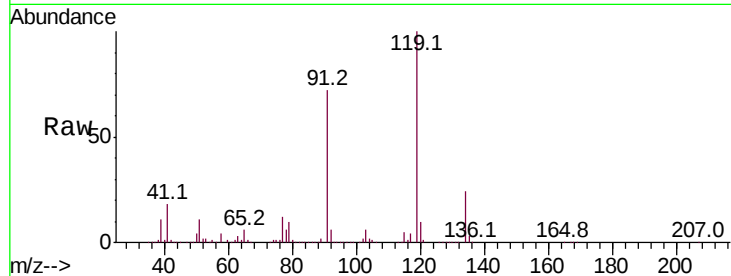




#83
tert-Butylbenzene
Concen: 49.463 ug/l
RT: 13.05 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

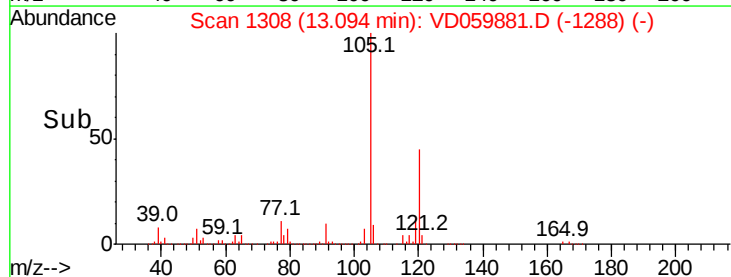
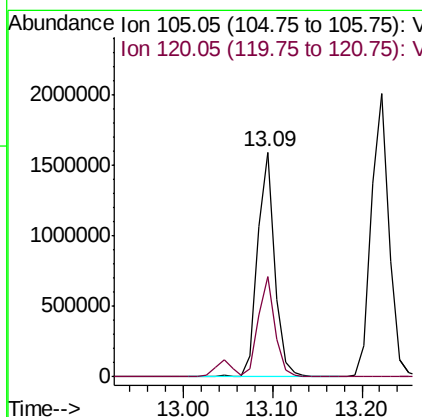
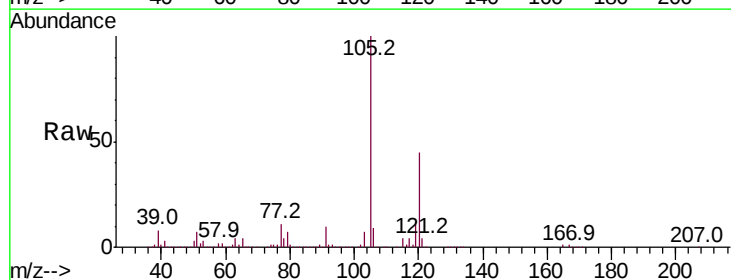
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

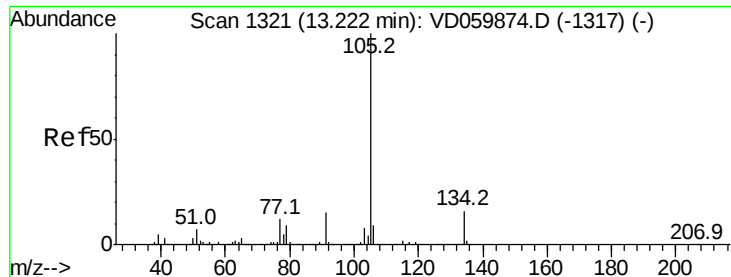
Tot Ion:119 Resp: 2286250
Ion Ratio Lower Upper
119 100
91 71.8 34.3 102.9
134 23.9 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 49.271 ug/l
RT: 13.09 min Scan# 1308
Delta R.T. 0.00 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Tgt Ion:105 Resp: 2083771
Ion Ratio Lower Upper
105 100
120 44.6 21.8 65.3

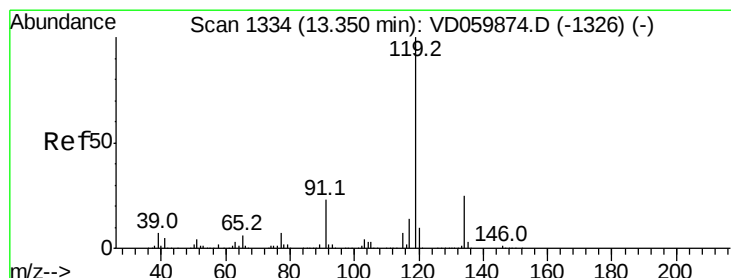
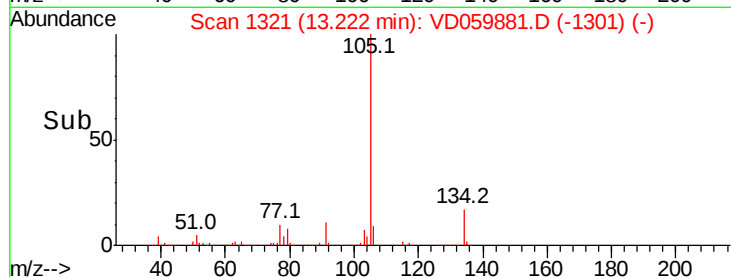
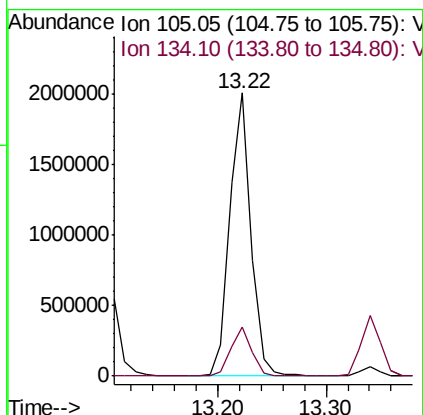
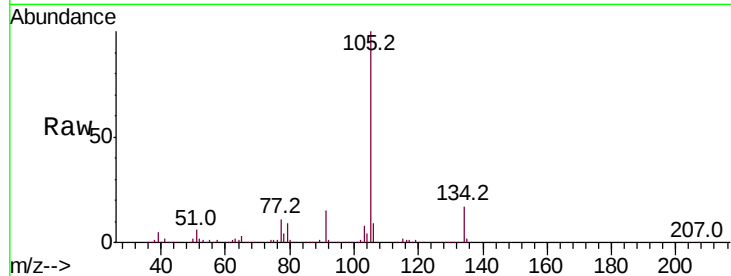




#85
 sec-Butylbenzene
 Concen: 49.871 ug/l
 RT: 13.22 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

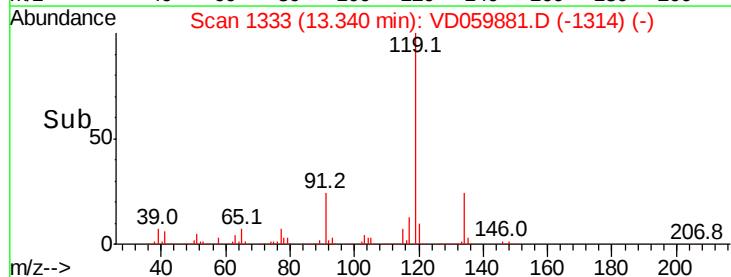
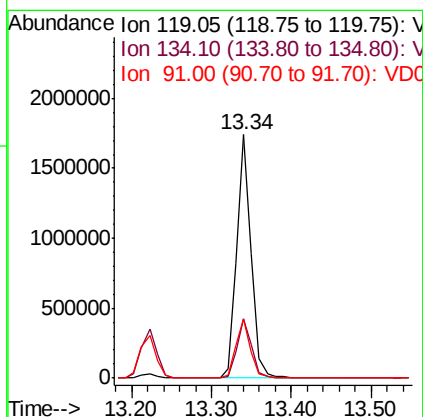
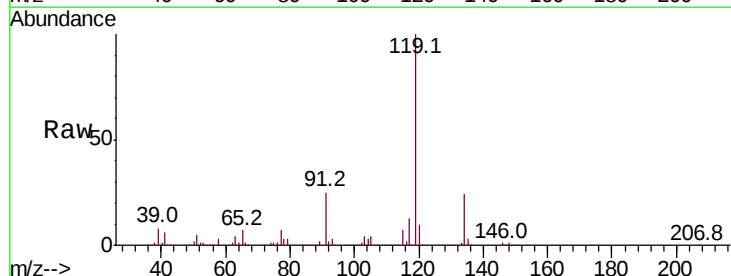
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

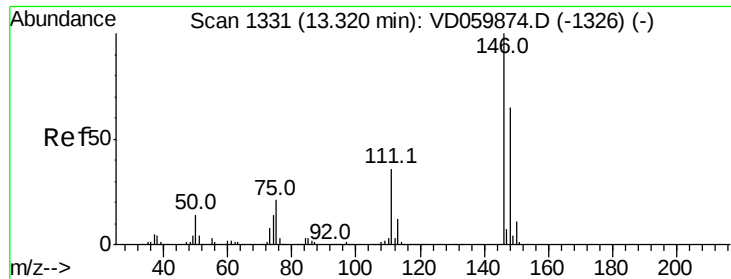
Tot Ion:105 Resp: 2710793
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 49.847 ug/l
 RT: 13.34 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

Tgt Ion:119 Resp: 2203549
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.7 38.1
 91 24.6 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 49.238 ug/l

RT: 13.31 min Scan# 1330

Delta R.T. -0.01 min

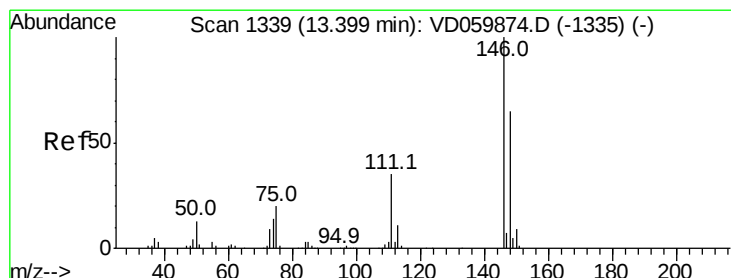
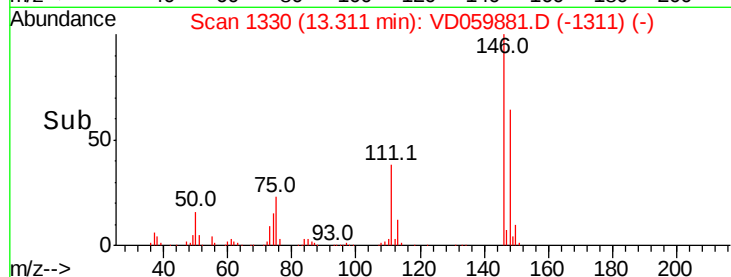
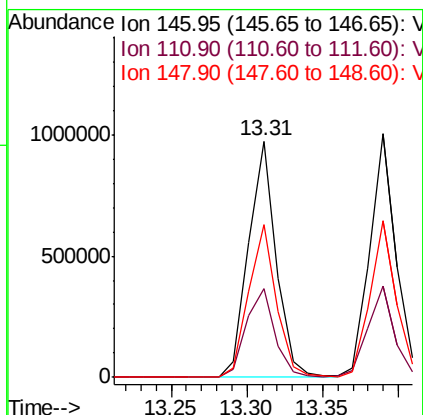
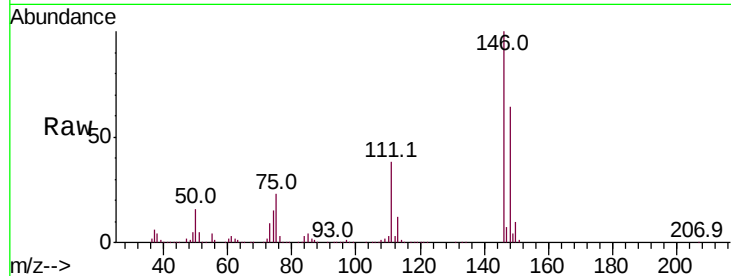
Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 1243858

Ion	Ratio	Lower	Upper
146	100		
111	37.8	17.9	53.7
148	64.5	32.4	97.0



#88

1,4-Dichlorobenzene

Concen: 48.939 ug/l

RT: 13.39 min Scan# 1338

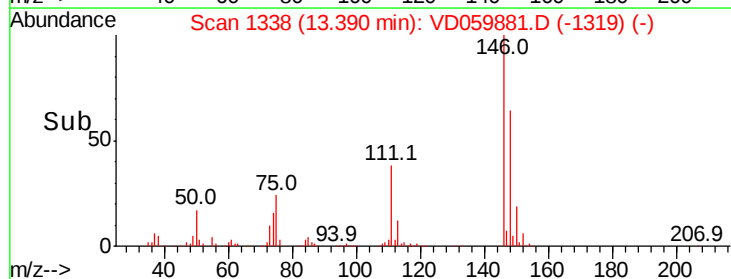
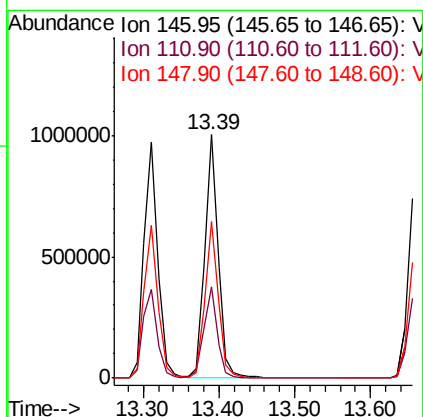
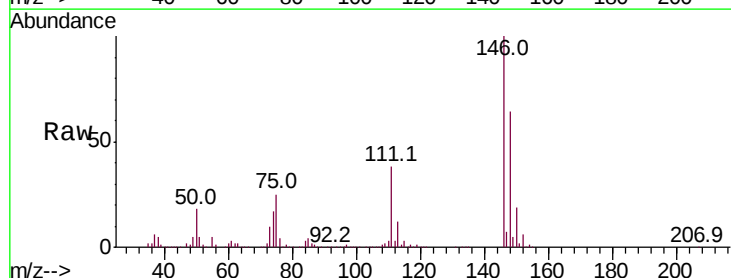
Delta R.T. -0.01 min

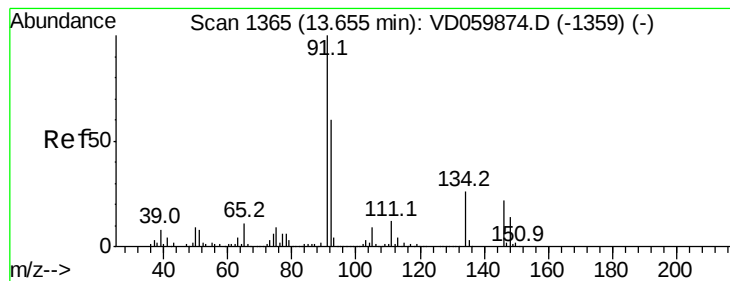
Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Tgt Ion:146 Resp: 1233469

Ion	Ratio	Lower	Upper
146	100		
111	37.6	17.5	52.6
148	64.2	32.5	97.5





#89

n-Butylbenzene

Concen: 52.753 ug/l

RT: 13.65 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059881.D

Acq: 23 Aug 2018 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

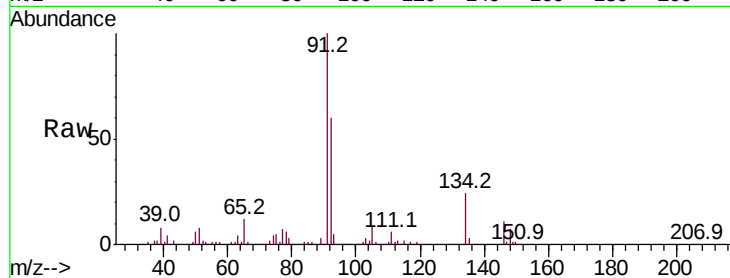
Tot Ion: 91 Resp: 2199030

Ion Ratio Lower Upper

91 100

92 59.8 30.0 90.1

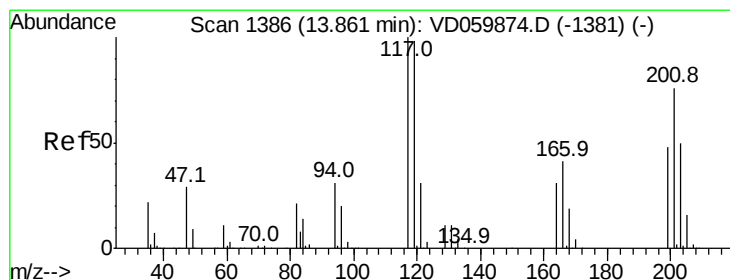
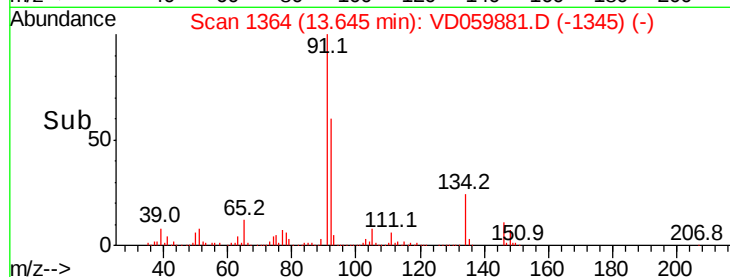
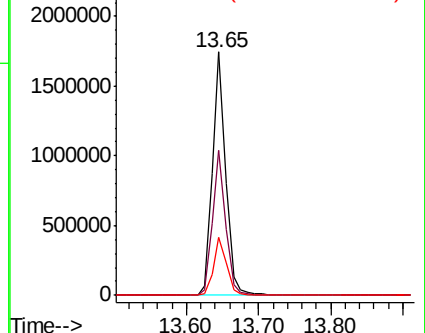
134 23.8 12.8 38.4



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: 49.414 ug/l

RT: 13.85 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VD059881.D

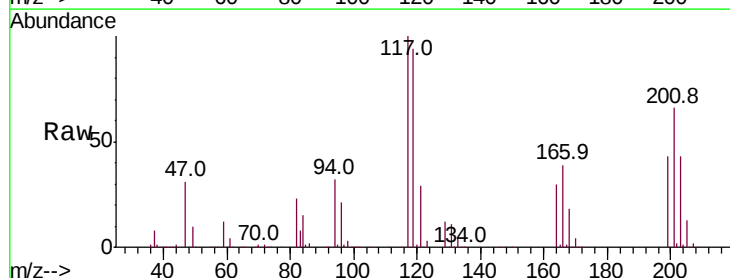
Acq: 23 Aug 2018 11:01

Tgt Ion: 117 Resp: 586540

Ion Ratio Lower Upper

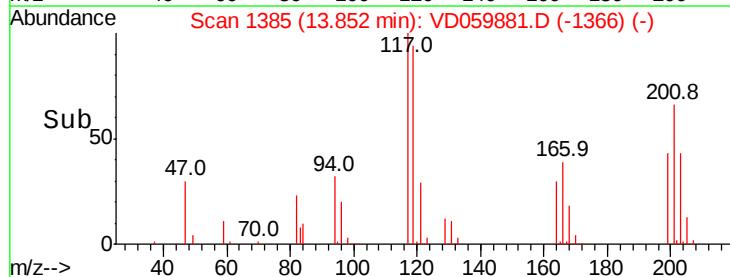
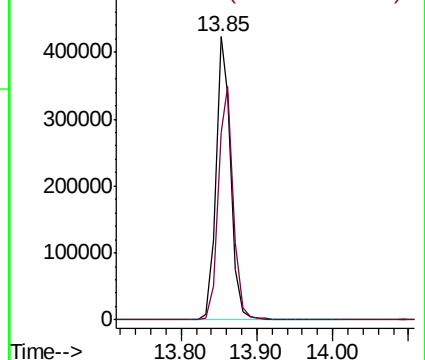
117 100

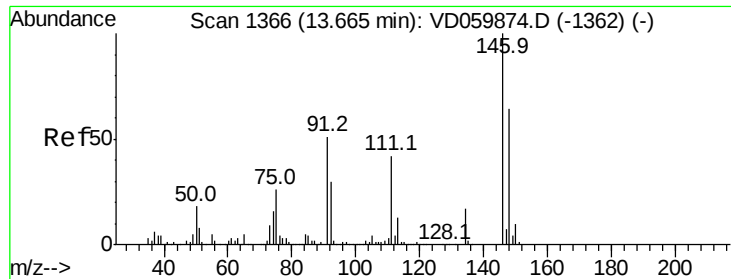
201 66.2 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

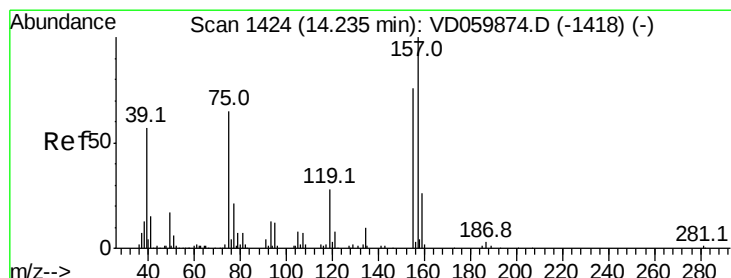
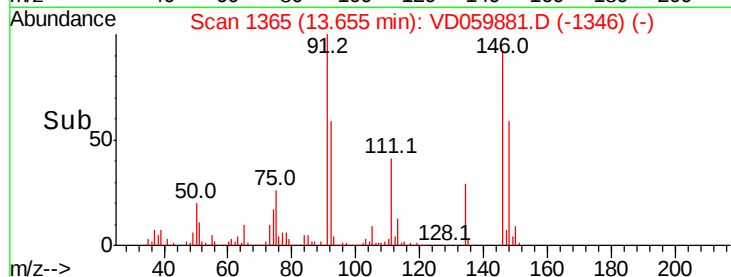
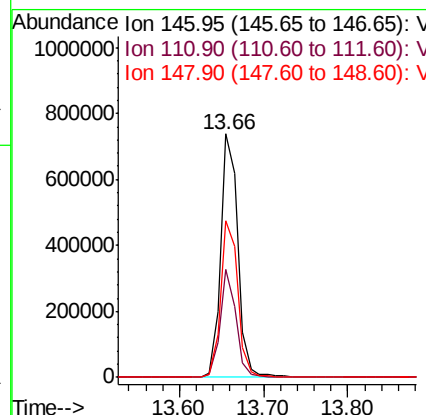
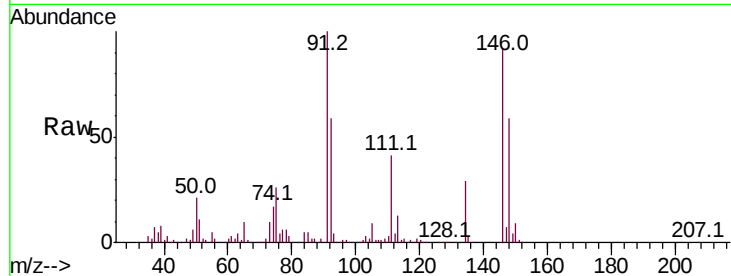




#91
 1,2-Dichlorobenzene
 Concen: 48.372 ug/l
 RT: 13.66 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

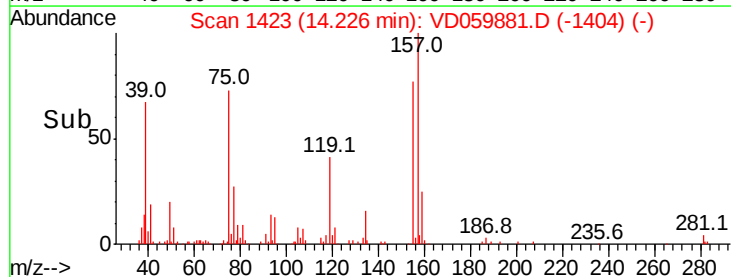
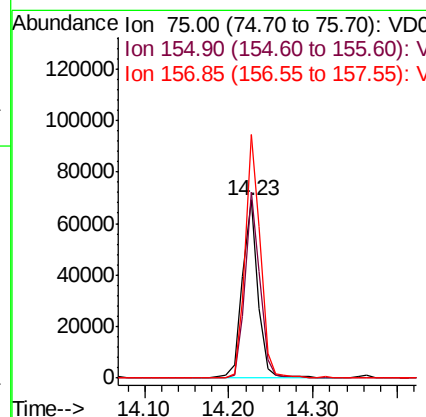
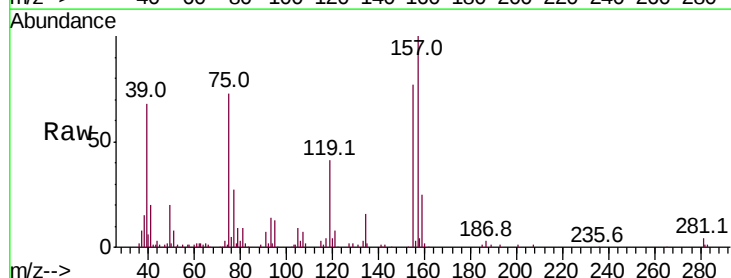
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

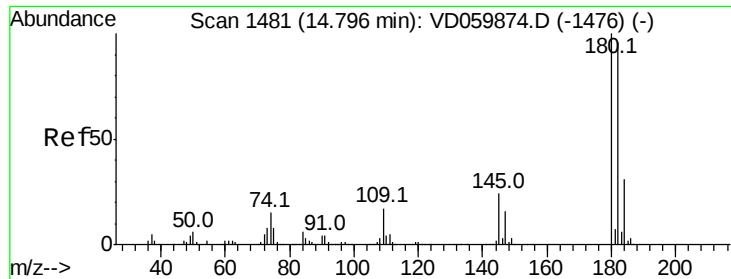
Tot Ion:146 Resp: 1039023
 Ion Ratio Lower Upper
 146 100
 111 44.6 21.1 63.1
 148 64.3 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.338 ug/l
 RT: 14.23 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

Tgt Ion: 75 Resp: 89547
 Ion Ratio Lower Upper
 75 100
 155 104.6 58.2 174.6
 157 136.6 76.8 230.4

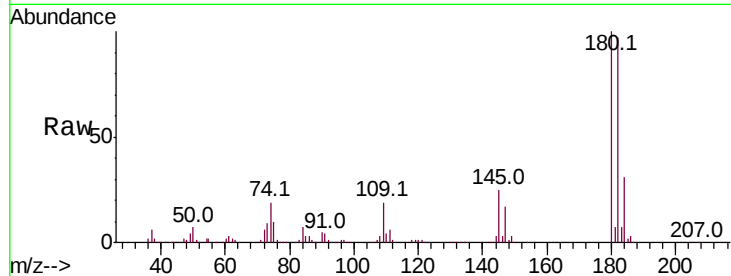




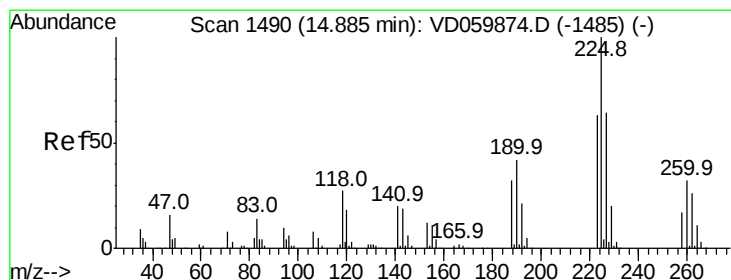
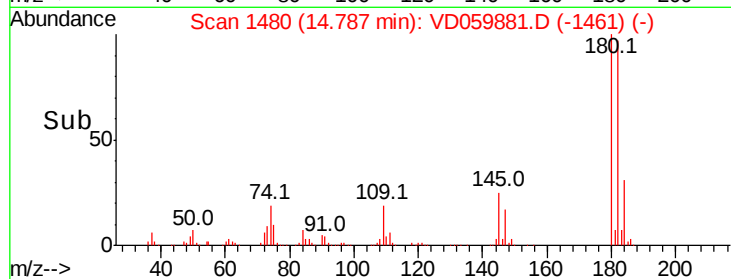
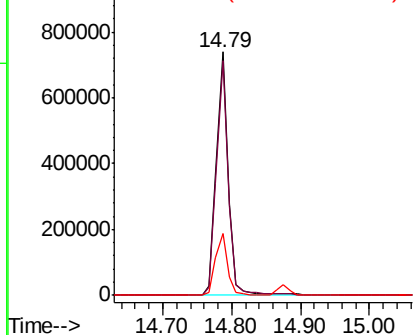
#93
 1,2,4-Trichlorobenzene
 Concen: 48.574 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.7
145	25.4	12.2	36.4

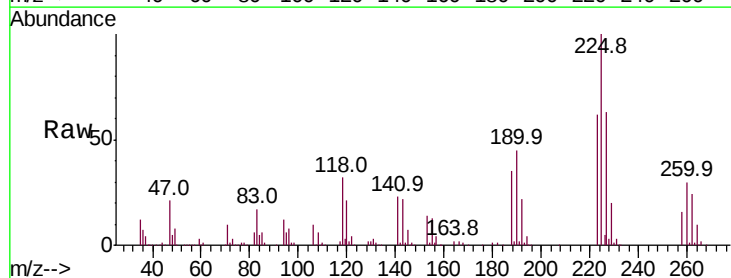


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

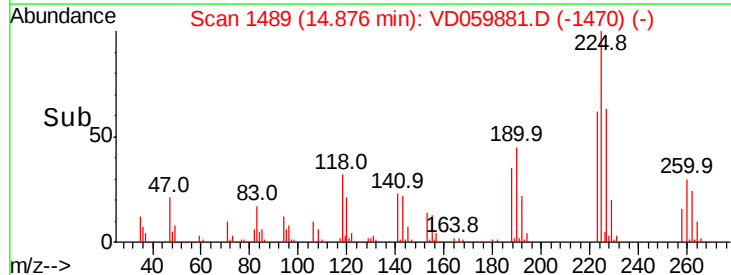
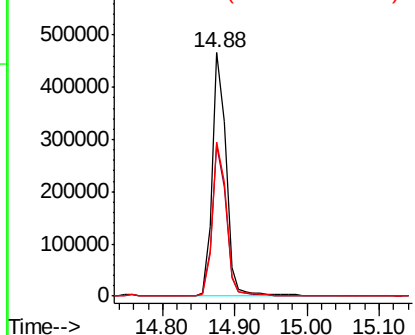


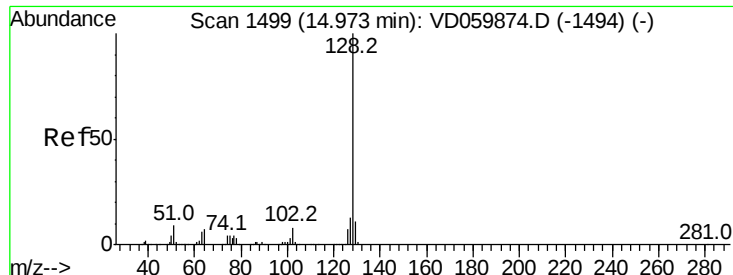
#94
 Hexachlorobutadiene
 Concen: 51.570 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059881.D
 Acq: 23 Aug 2018 11:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.6	94.8
227	63.3	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

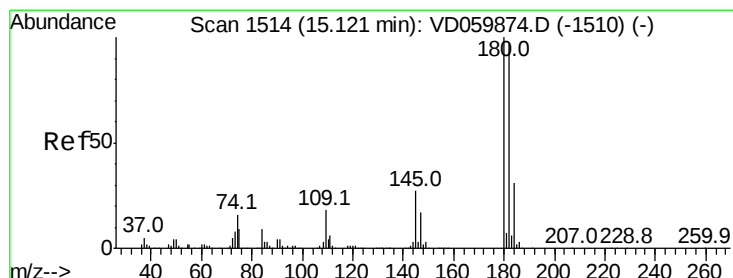
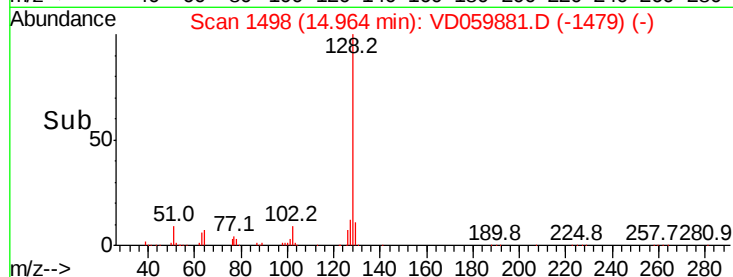
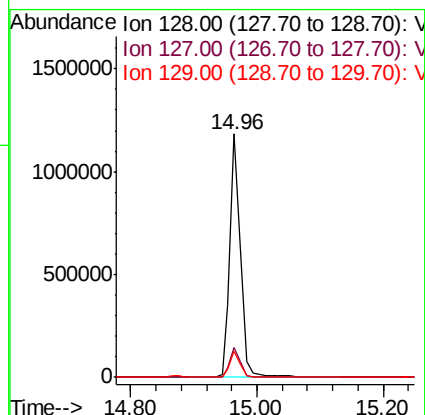
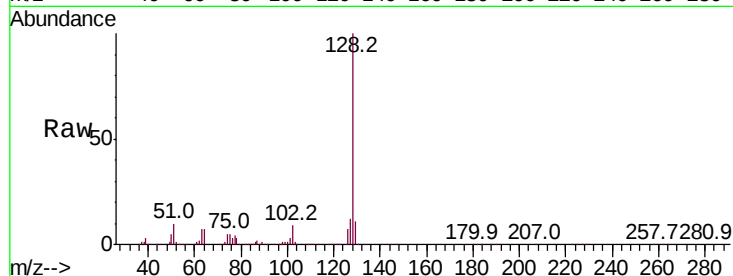




#95
Naphthalene
Concen: 49.298 ug/l
RT: 14.96 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1385551
Ion Ratio Lower Upper
128 100
127 12.4 10.0 15.0
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 48.186 ug/l
RT: 15.11 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD059881.D
Acq: 23 Aug 2018 11:01

Tgt Ion:180 Resp: 757945
Ion Ratio Lower Upper
180 100
182 97.0 48.6 145.8
145 27.9 13.6 40.8

