

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030119\
 Data File : VD060914.D
 Acq On : 1 Mar 2019 17:31
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 02 01:16:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 01 16:47:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	718352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1283717	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1060657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	441740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	598946	112.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	224.36%	
35) Dibromofluoromethane	6.92	113	996571	103.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.68%	
50) Toluene-d8	10.40	98	2313598	89.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.12%	
62) 4-Bromofluorobenzene	13.55	95	880209	87.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	819832	104.657	ug/l	99
3) Chloromethane	1.76	50	656865	136.398	ug/l	99
4) Vinyl Chloride	1.85	62	592214	132.319	ug/l	99
5) Bromomethane	2.15	94	83471	99.680	ug/l #	97
6) Chloroethane	2.25	64	115788	95.343	ug/l	95
7) Trichlorofluoromethane	2.52	101	655553	90.359	ug/l	91
8) Diethyl Ether	2.87	74	345412	276.863	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	946341	212.119	ug/l	92
10) Methyl Iodide	3.31	142	1516238	119.031	ug/l	100
11) Tert butyl alcohol	4.07	59	239555	590.867	ug/l	96
12) 1,1-Dichloroethene	3.13	96	785339	235.632	ug/l	96
13) Acrolein	3.04	56	305843	1360.610	ug/l	96
14) Allyl chloride	3.62	41	1302126	119.667	ug/l	93
15) Acrylonitrile	4.19	53	892800	705.223	ug/l	97
16) Acetone	3.23	43	968399	597.819	ug/l #	88
17) Carbon Disulfide	3.38	76	2921662	118.644	ug/l	100
18) Methyl Acetate	3.64	43	401542	119.474	ug/l	92
19) Methyl tert-butyl Ether	4.24	73	1451864	103.915	ug/l	92
20) Methylene Chloride	3.82	84	944393	103.776	ug/l	88
21) trans-1,2-Dichloroethene	4.21	96	890089	120.511	ug/l	96
22) Diisopropyl ether	5.12	45	2949741	138.198	ug/l	95
23) Vinyl Acetate	5.06	43	7868001	651.404	ug/l	100
24) 1,1-Dichloroethane	4.98	63	1563313	134.072	ug/l	100
25) 2-Butanone	6.06	43	1296577	606.449	ug/l	100
26) 2,2-Dichloropropane	6.01	77	1122987	101.453	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	1011365	124.695	ug/l	100
28) Bromochloromethane	6.44	49	676801	147.549	ug/l	96
29) Tetrahydrofuran	6.46	42	672349	631.093	ug/l	98
30) Chloroform	6.65	83	1543340	111.887	ug/l	99
31) Cyclohexane	6.95	56	1264014	130.699	ug/l	90
32) 1,1,1-Trichloroethane	6.86	97	1279681	119.169	ug/l	96
36) 1,1-Dichloropropene	7.14	75	1128040	83.989	ug/l	92
37) Ethyl Acetate	6.18	43	582418	92.240	ug/l	98
38) Carbon Tetrachloride	7.11	117	1273768	102.210	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	1258002	88.114	ug/l #	86
40) Benzene	7.45	78	3025649	90.648	ug/l	99
41) Methacrylonitrile	6.44	41	703673	206.285	ug/l	96
42) 1,2-Dichloroethane	7.57	62	891722	98.230	ug/l	99
43) Isopropyl Acetate	9.23	43	905940	101.290	ug/l #	97
44) Trichloroethene	8.53	130	1090299	100.169	ug/l	98
45) 1,2-Dichloropropane	8.94	63	796984	102.219	ug/l	98
46) Dibromomethane	9.06	93	557820	99.573	ug/l	92
47) Bromodichloromethane	9.37	83	1210186	91.085	ug/l	98
48) Methyl methacrylate	9.11	41	477709	92.771	ug/l	97
49) 1,4-Dioxane	9.08	88	114278	2118.505	ug/l	89
51) 4-Methyl-2-Pentanone	10.30	43	2662515	482.577	ug/l	88
52) Toluene	10.50	92	1817506	94.017	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	1028413	83.850	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	1297794	91.844	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	646013	97.420	ug/l	93
56) Ethyl methacrylate	11.03	69	749564	99.330	ug/l	94
57) 1,3-Dichloropropane	11.40	76	1033057	94.592	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	1762200	487.397	ug/l	97
59) 2-Hexanone	11.53	43	1720328	406.135	ug/l	94
60) Dibromochloromethane	11.67	129	968482	101.637	ug/l	98
61) 1,2-Dibromoethane	11.80	107	812596	108.249	ug/l	98
64) Tetrachloroethene	11.25	164	829579	87.535	ug/l	93
65) Chlorobenzene	12.39	112	2258737	105.070	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	792246	92.609	ug/l	99
67) Ethyl Benzene	12.52	91	2893492	79.079	ug/l	90
68) m/p-Xylenes	12.67	106	2295771	177.517	ug/l	83
69) o-Xylene	13.04	106	1094715	87.890	ug/l	83
70) Styrene	13.07	104	1992712	95.190	ug/l	95
71) Bromoform	13.23	173	578875	85.090	ug/l	99
73) Isopropylbenzene	13.40	105	3337068	129.104	ug/l	96
74) N-amyl acetate	13.26	43	1124785	125.906	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	735222	115.493	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	746407	113.556	ug/l	100
77) Bromobenzene	13.66	156	925560	111.260	ug/l	96
78) n-propylbenzene	13.77	91	3566422	103.407	ug/l	92
79) 2-Chlorotoluene	13.84	91	2207985	111.932	ug/l	89
80) 1,3,5-Trimethylbenzene	14.23	105	2339504	110.130	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	228800	109.250	ug/l	96
82) 4-Chlorotoluene	13.95	91	2223089	102.721	ug/l	89
83) tert-Butylbenzene	14.18	119	2767444	112.813	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	2339504	110.130	ug/l	95
85) sec-Butylbenzene	14.36	105	3288018	120.058	ug/l	96
86) p-Isopropyltoluene	14.49	119	2539358	110.414	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	1519579	99.876	ug/l	94
88) 1,4-Dichlorobenzene	14.53	146	1411506	96.059	ug/l	94
89) n-Butylbenzene	14.79	91	2025998	85.030	ug/l	100
90) Hexachloroethane	15.00	117	816443	125.106	ug/l	76
91) 1,2-Dichlorobenzene	14.80	146	1083424	85.524	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	93573	104.958	ug/l	91

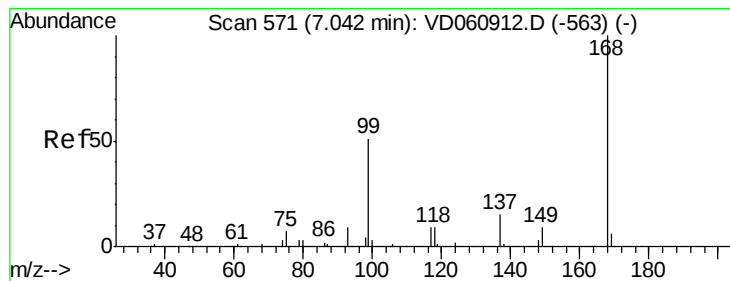
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	744919	83.090	ug/l	98
94) Hexachlorobutadiene	16.04	225	525606	97.714	ug/l	98
95) Naphthalene	16.12	128	1177951	87.151	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	375995	54.537	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

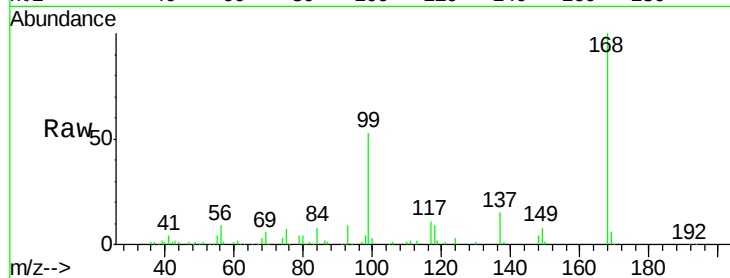
VSTDICC100

Tot Ion:168 Resp: 718352

Ion Ratio Lower Upper

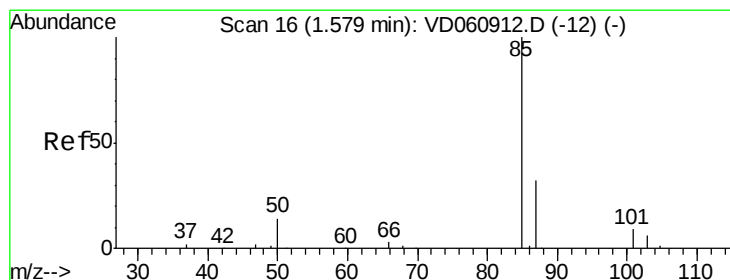
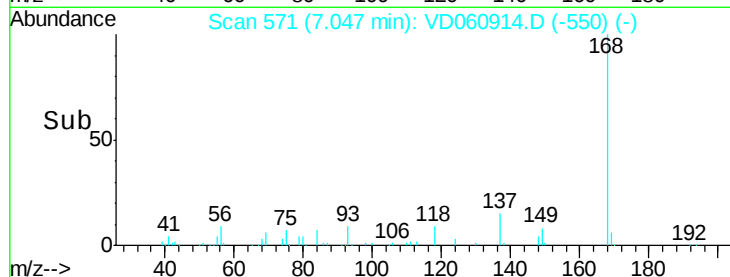
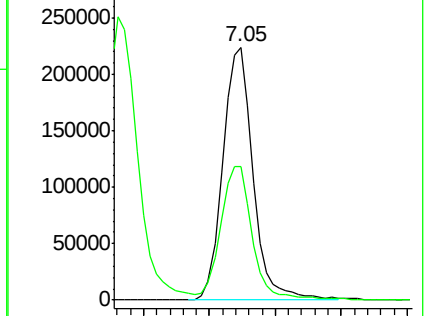
168 100

99 52.8 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 104.657 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.00 min

Lab File: VD060914.D

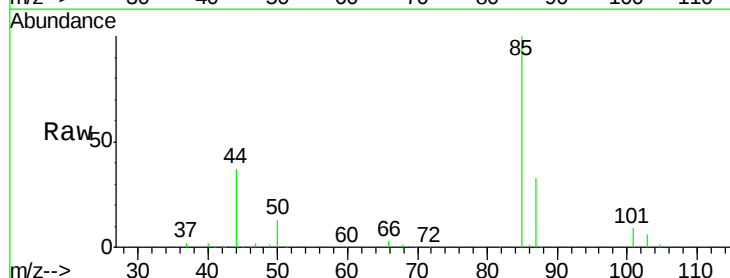
Acq: 1 Mar 2019 17:31

Tgt Ion: 85 Resp: 819832

Ion Ratio Lower Upper

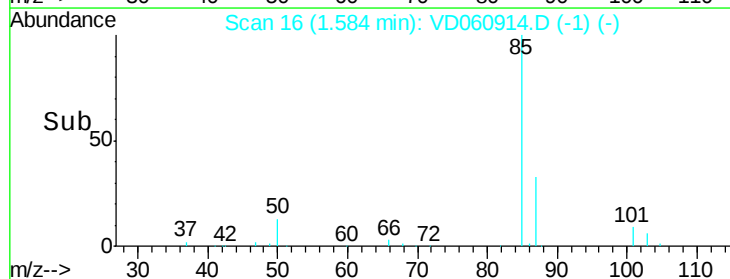
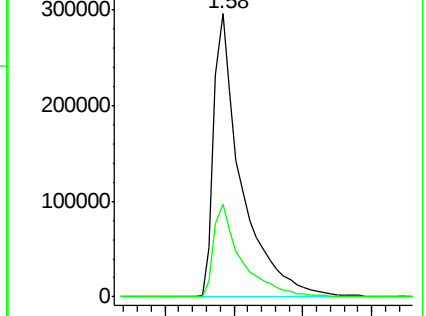
85 100

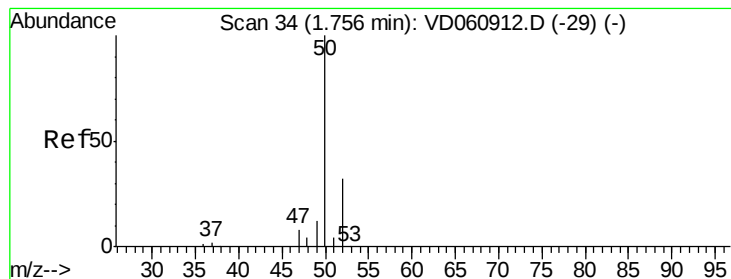
87 32.9 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 136.398 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

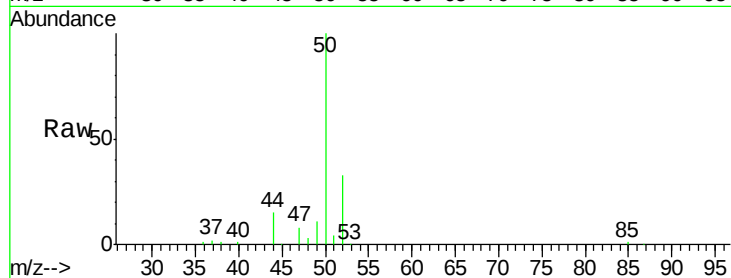
VSTDIC100

Tot Ion: 50 Resp: 656865

Ion Ratio Lower Upper

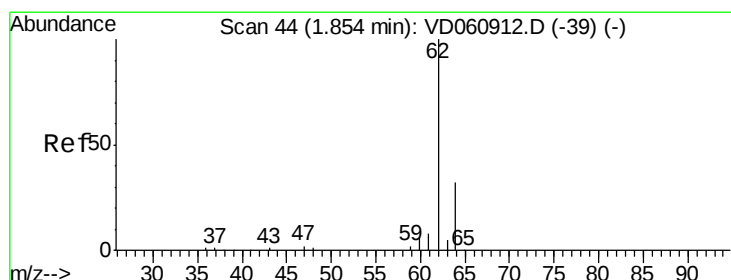
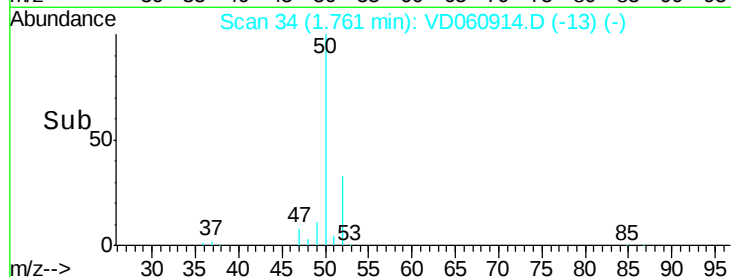
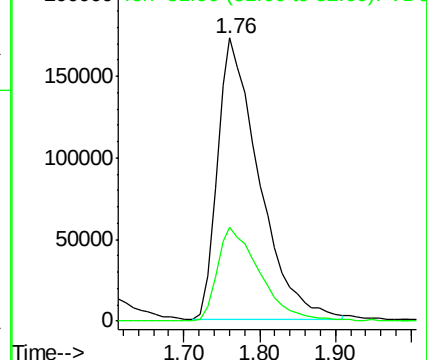
50 100

52 33.1 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 132.319 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD060914.D

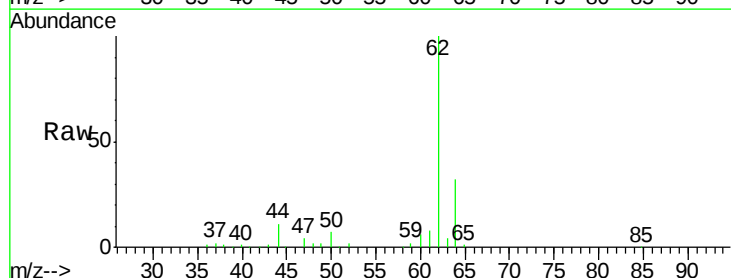
Acq: 1 Mar 2019 17:31

Tgt Ion: 62 Resp: 592214

Ion Ratio Lower Upper

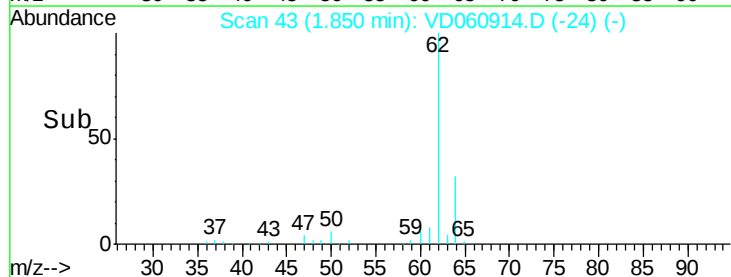
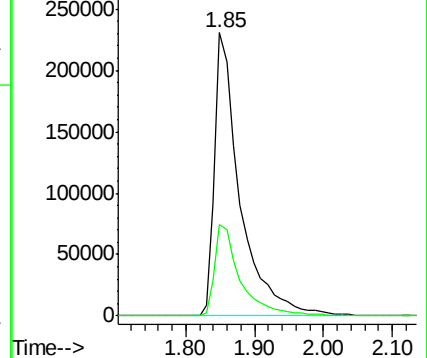
62 100

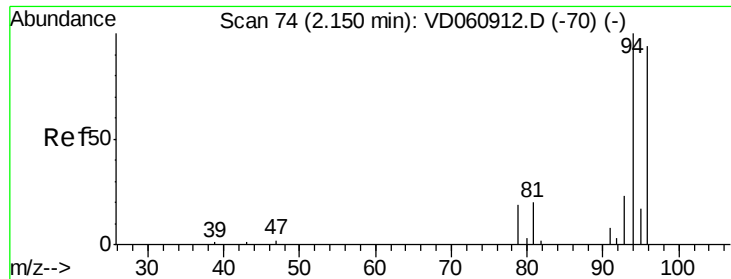
64 32.1 26.3 39.5



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 99.680 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

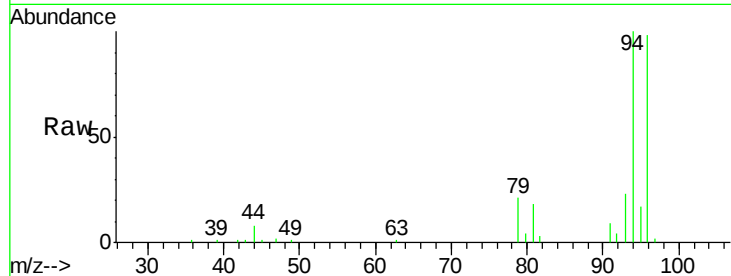
Tot Ion: 94 Resp: 83471

Ion Ratio Lower Upper

94 100

96 97.9 81.0 121.4

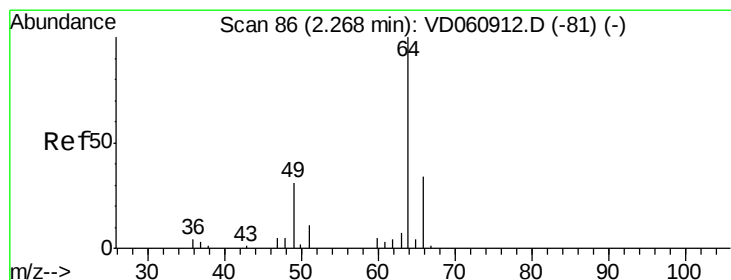
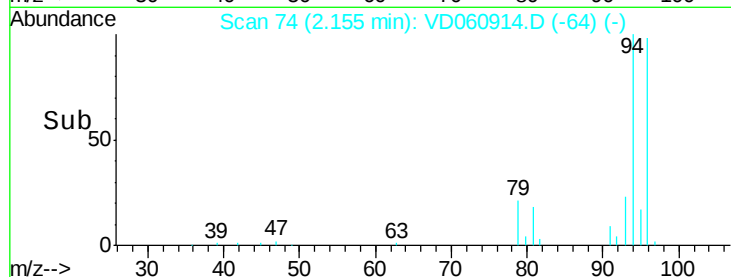
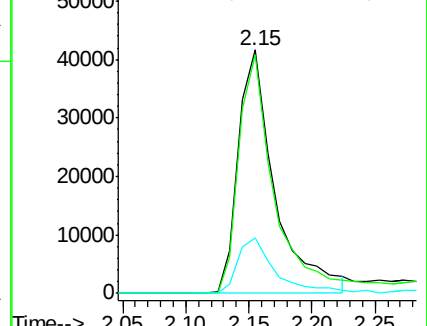
93 22.8 0.0 0.0#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 95.343 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD060914.D

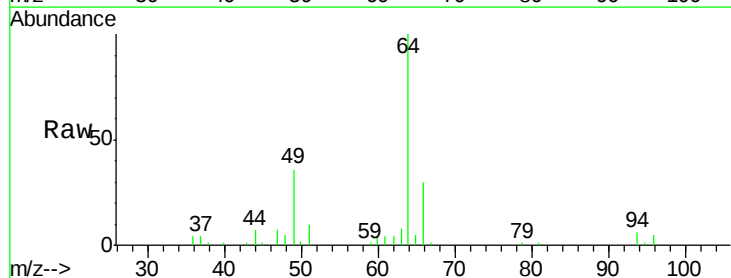
Acq: 1 Mar 2019 17:31

Tgt Ion: 64 Resp: 115788

Ion Ratio Lower Upper

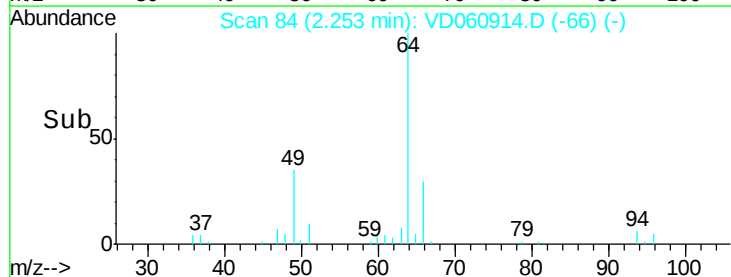
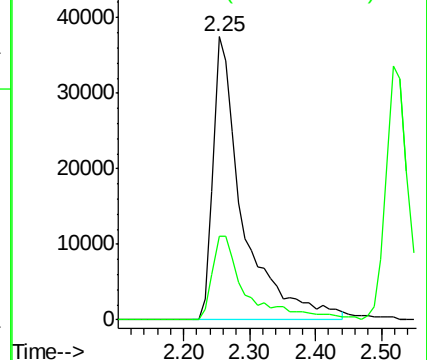
64 100

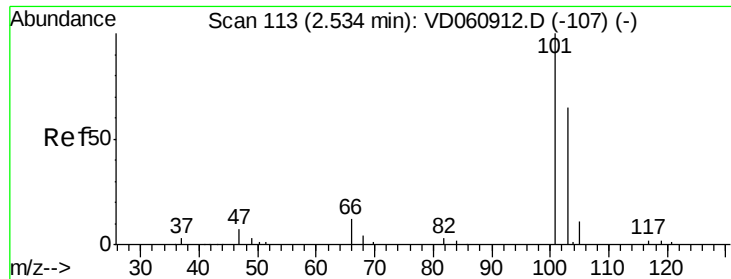
66 29.5 25.8 38.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



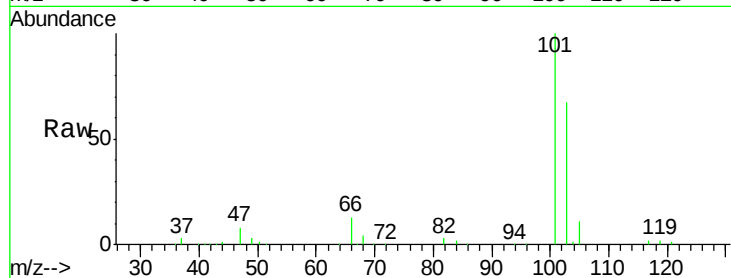


#7

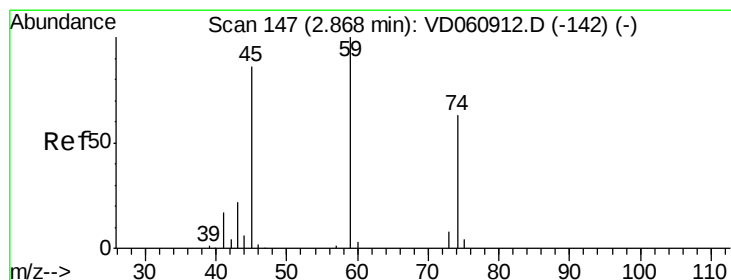
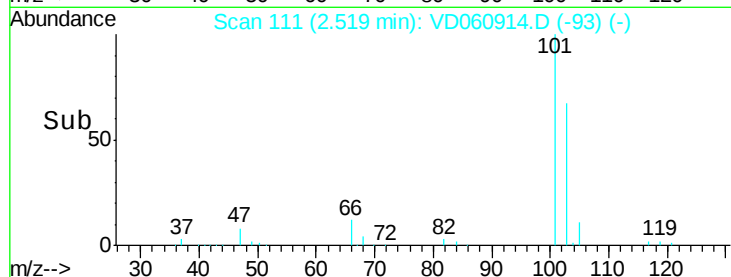
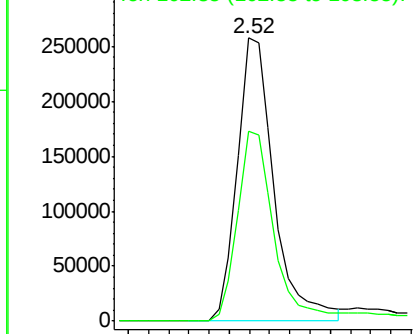
Trichlorofluoromethane
 Concen: 90.359 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 655553
 Ion Ratio Lower Upper
 101 100
 103 67.2 48.6 72.8



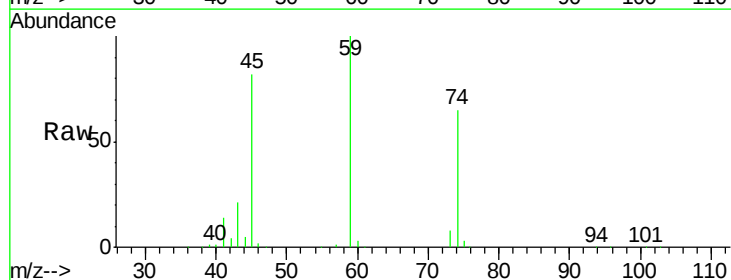
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



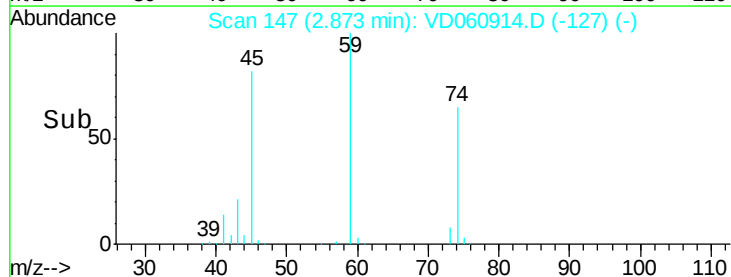
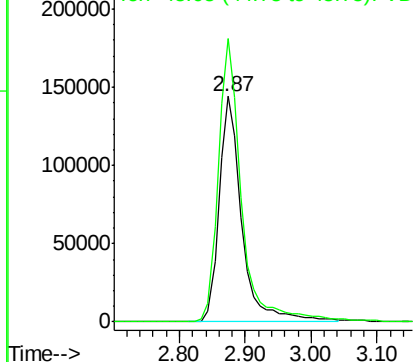
#8

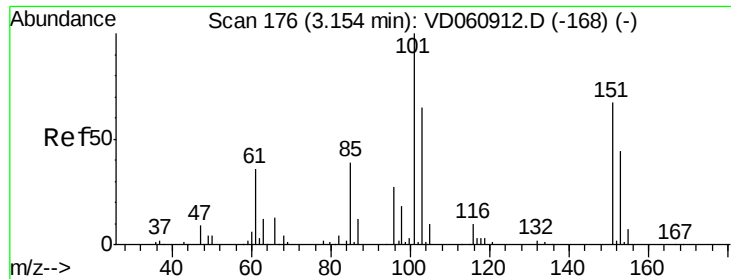
Diethyl Ether
 Concen: 276.863 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

Tgt Ion: 74 Resp: 345412
 Ion Ratio Lower Upper
 74 100
 45 125.6 64.8 194.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 212.119 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

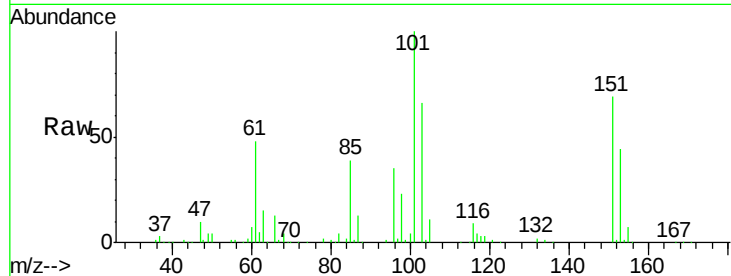
Tot Ion:101 Resp: 946341

Ion Ratio Lower Upper

101 100

85 38.7 34.7 52.1

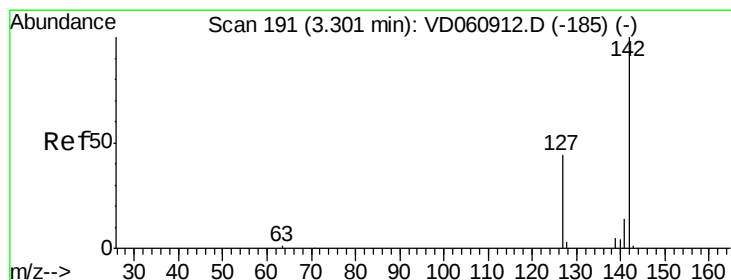
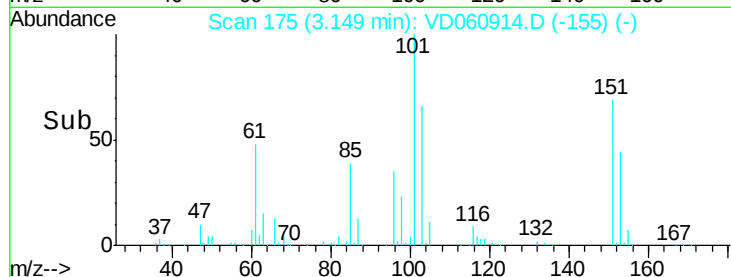
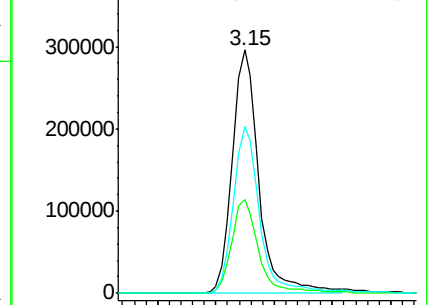
151 68.7 61.2 91.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 119.031 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

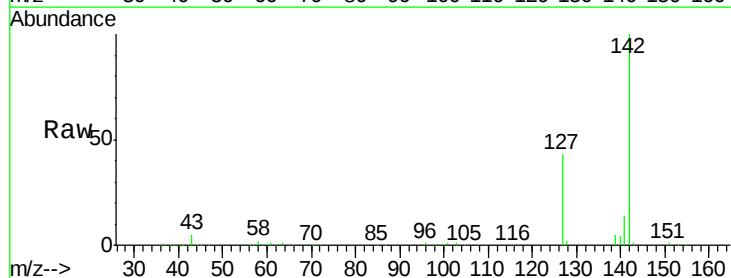
Tgt Ion:142 Resp: 1516238

Ion Ratio Lower Upper

142 100

127 43.1 34.2 51.4

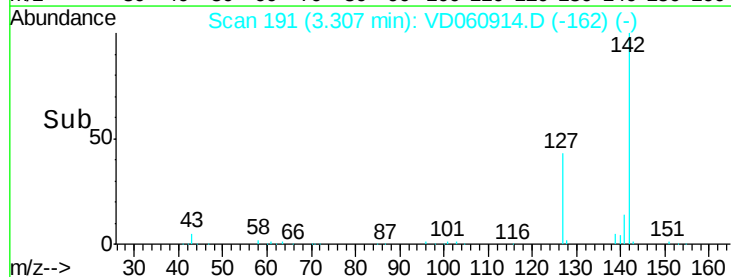
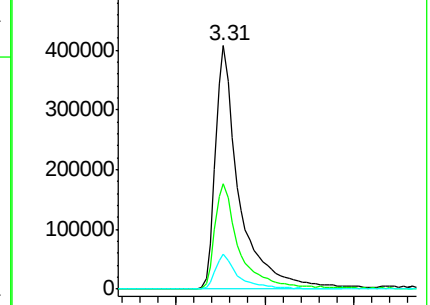
141 14.2 11.4 17.2

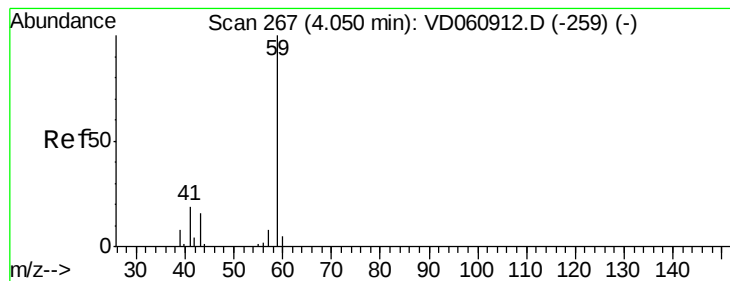


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



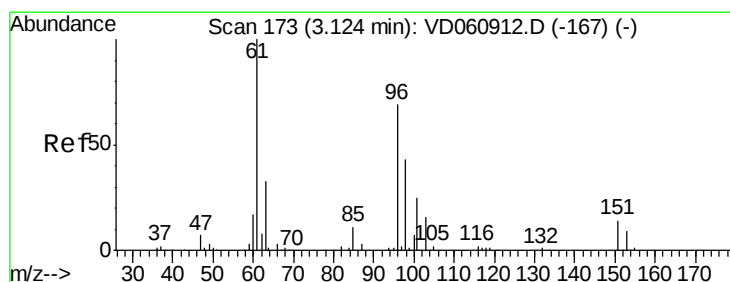
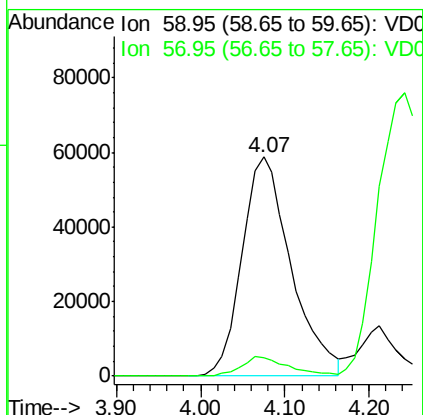
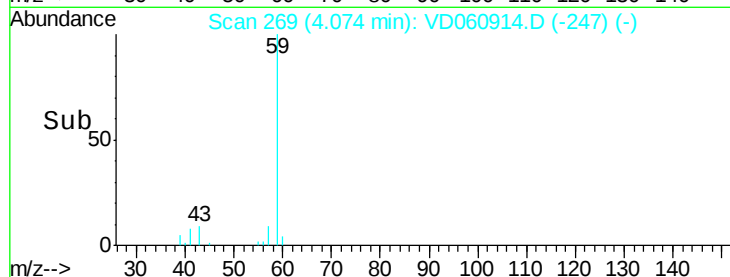
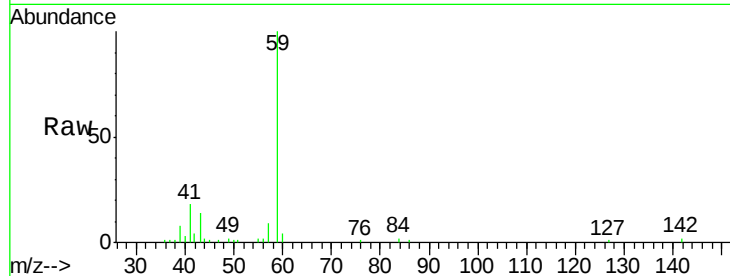


#11

Tert butyl alcohol
Concen: 590.867 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.02 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

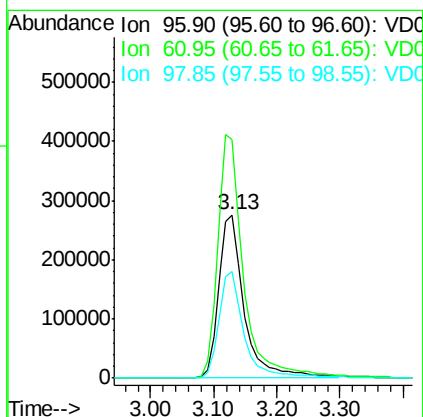
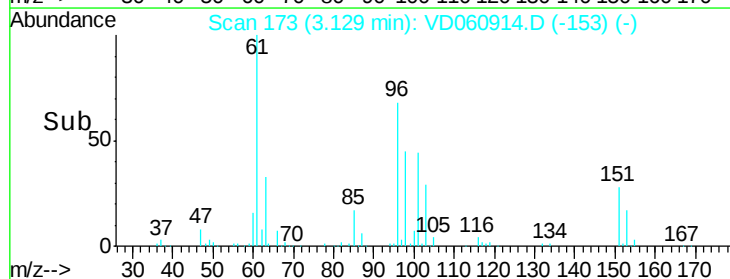
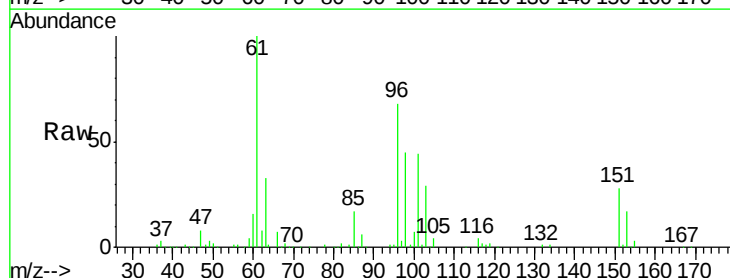
Tot Ion: 59 Resp: 239555
Ion Ratio Lower Upper
59 100
57 8.5 5.8 8.8

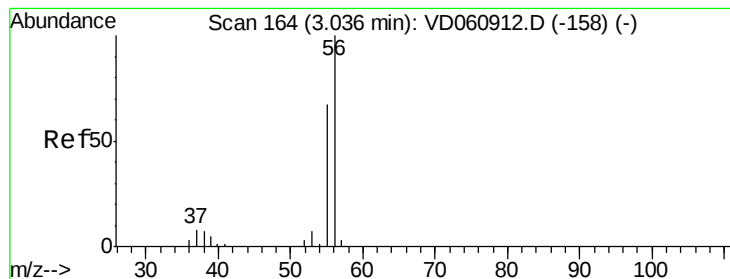


#12

1,1-Dichloroethene
Concen: 235.632 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion: 96 Resp: 785339
Ion Ratio Lower Upper
96 100
61 146.4 112.4 168.6
98 65.3 51.0 76.6





#13

Acrolein

Concen: 1360.610 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

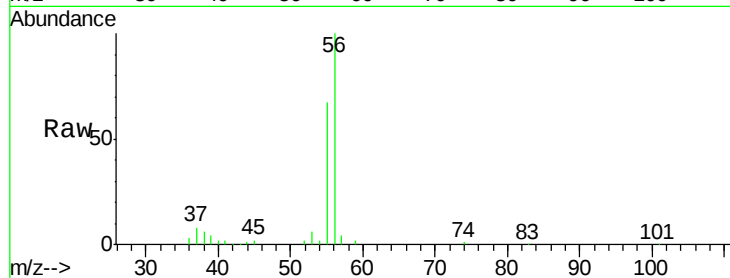
VSTDIC100

Tot Ion: 56 Resp: 305843

Ion Ratio Lower Upper

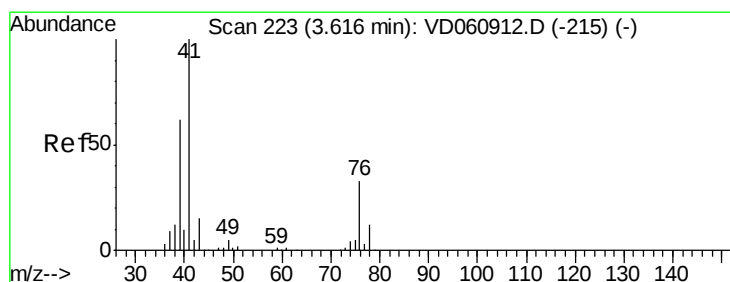
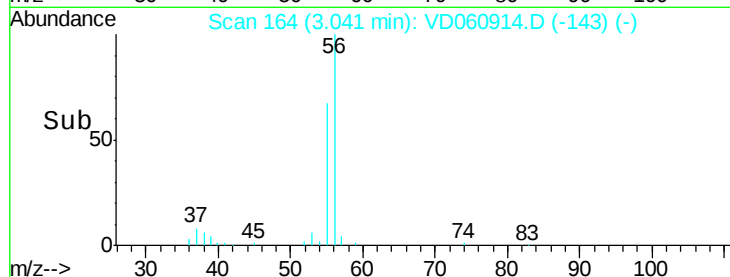
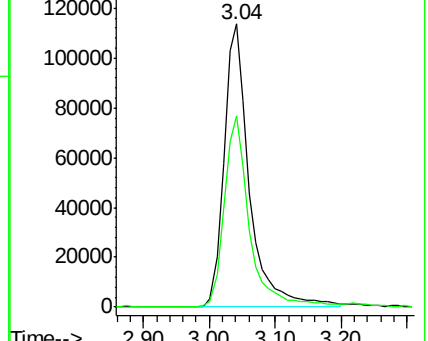
56 100

55 67.4 56.8 85.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 119.667 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

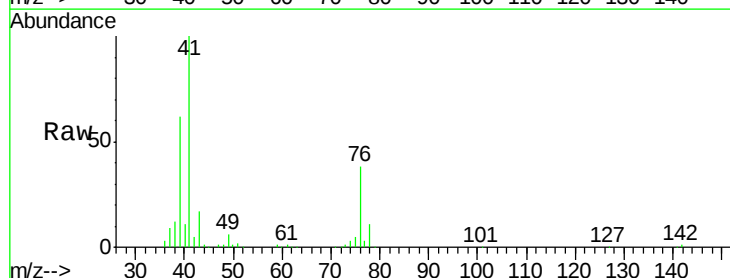
Tgt Ion: 41 Resp: 1302126

Ion Ratio Lower Upper

41 100

39 62.2 55.7 83.5

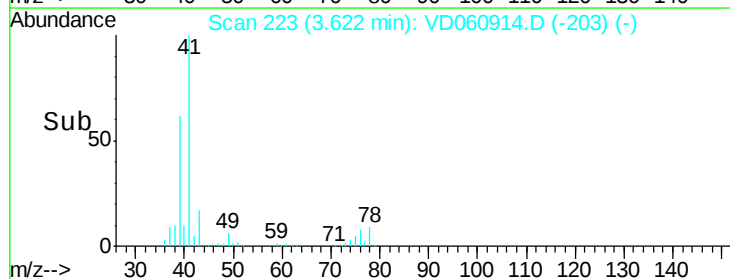
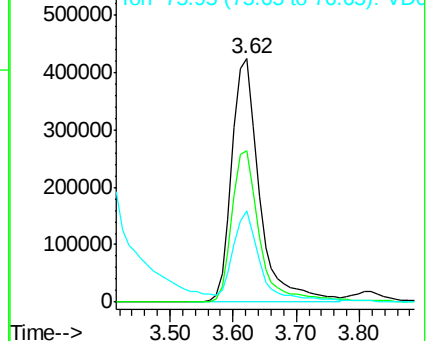
76 37.6 31.3 46.9

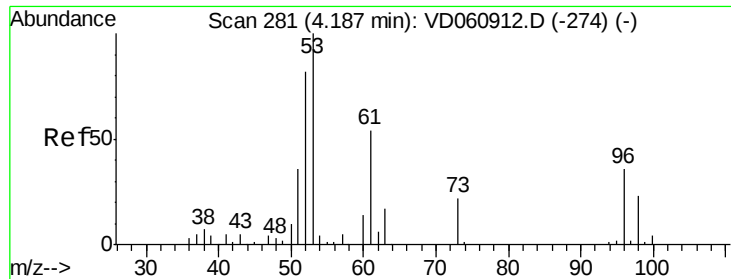


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 705.223 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

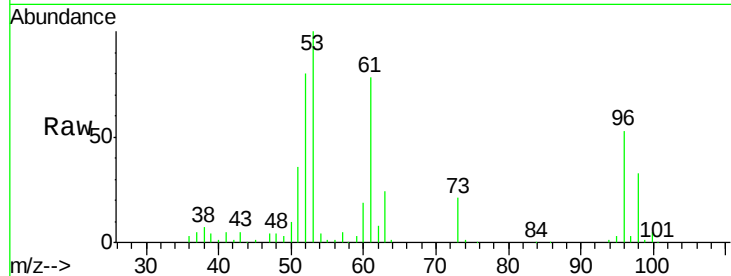
Tot Ion: 53 Resp: 892800

Ion Ratio Lower Upper

53 100

52 80.2 66.2 99.2

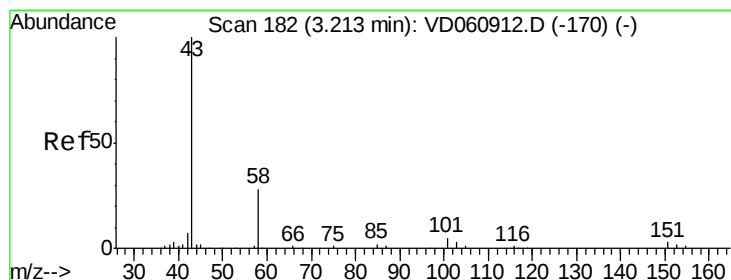
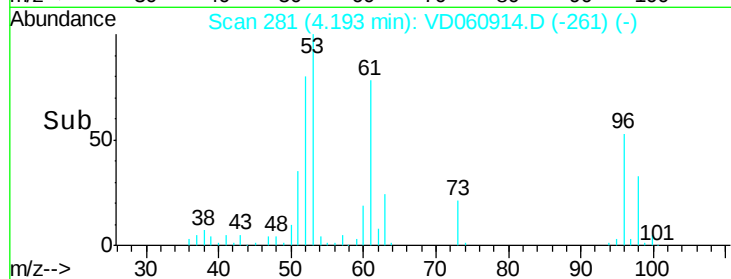
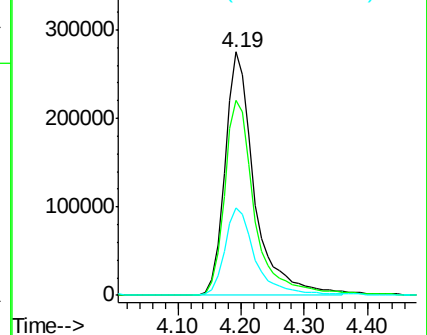
51 35.8 31.0 46.6



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: 597.819 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD060914.D

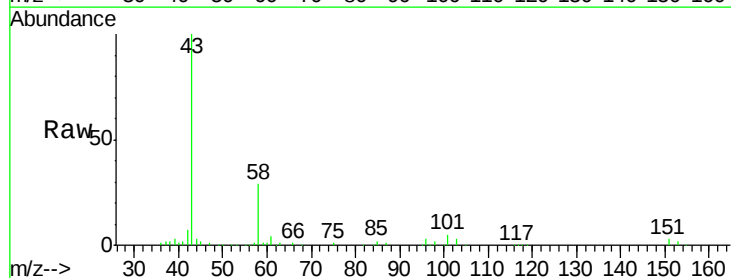
Acq: 1 Mar 2019 17:31

Tgt Ion: 43 Resp: 968399

Ion Ratio Lower Upper

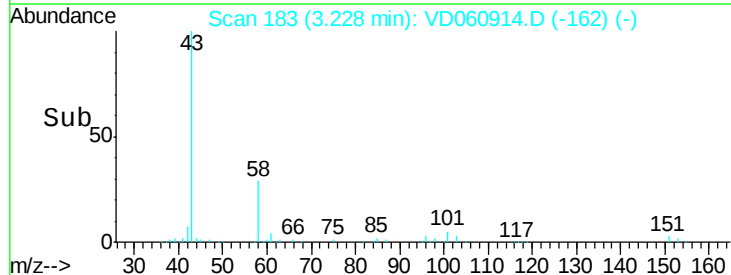
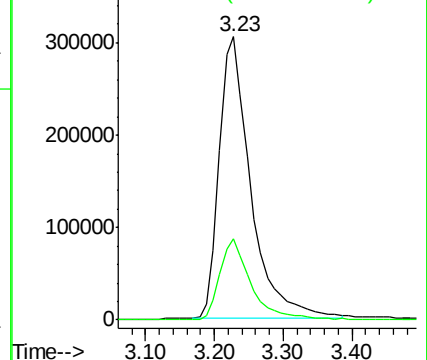
43 100

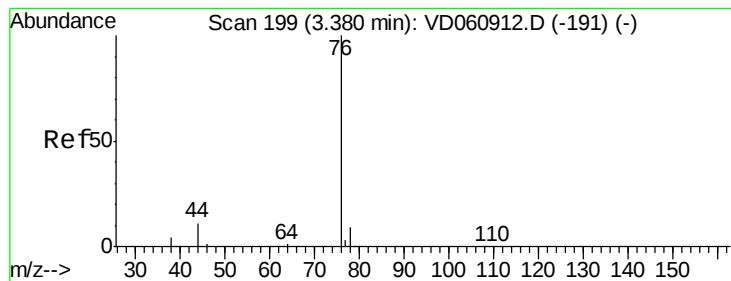
58 28.6 18.4 27.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 118.644 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

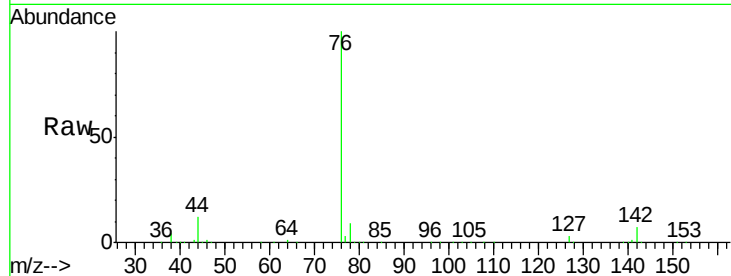
VSTDIC100

Tot Ion: 76 Resp: 2921662

Ion Ratio Lower Upper

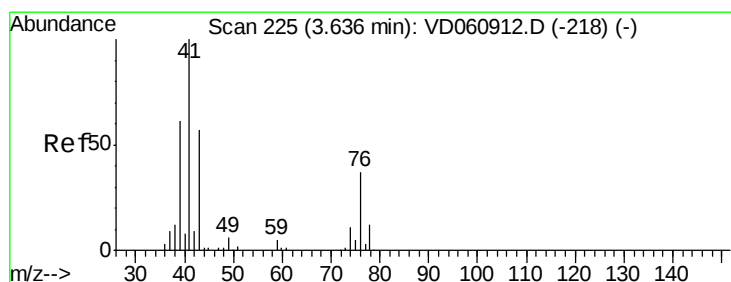
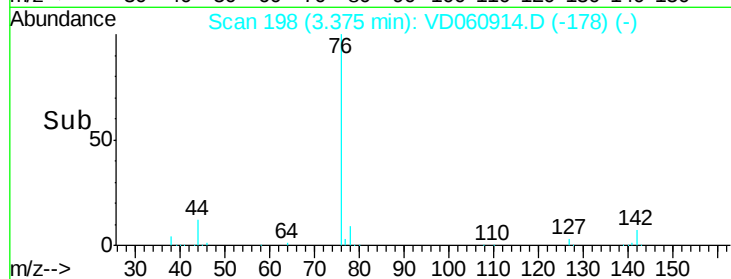
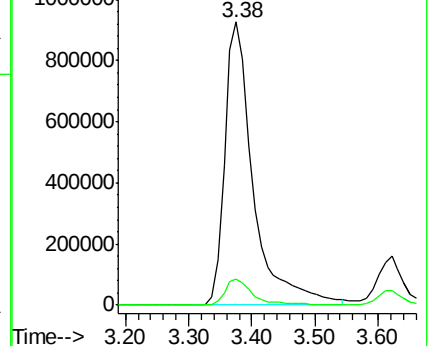
76 100

78 9.1 7.3 10.9



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 119.474 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD060914.D

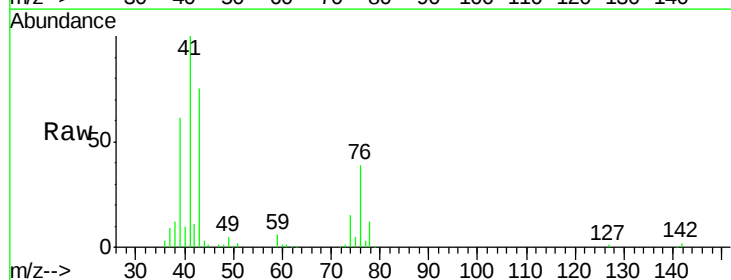
Acq: 1 Mar 2019 17:31

Tgt Ion: 43 Resp: 401542

Ion Ratio Lower Upper

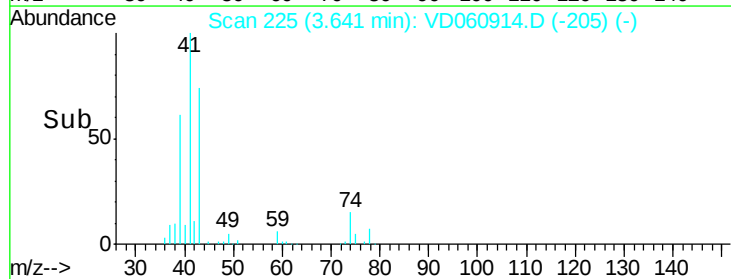
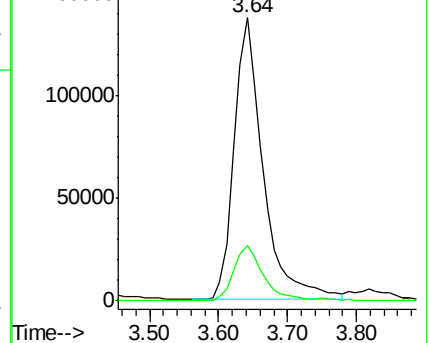
43 100

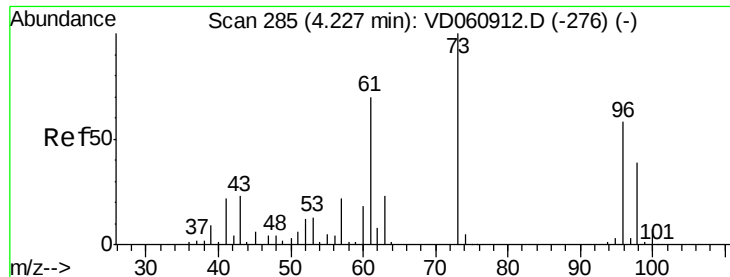
74 19.4 18.6 28.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

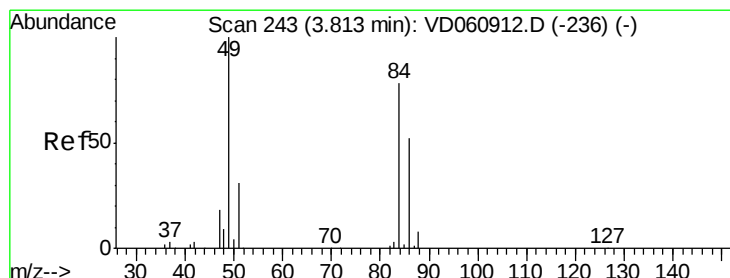
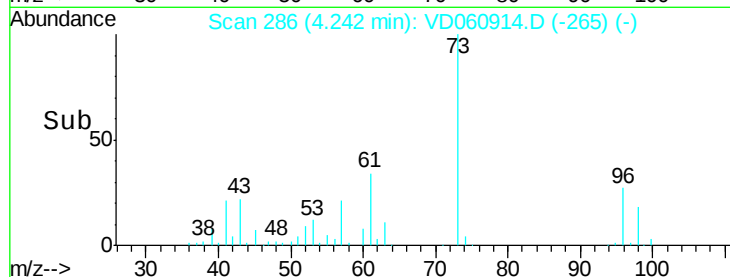
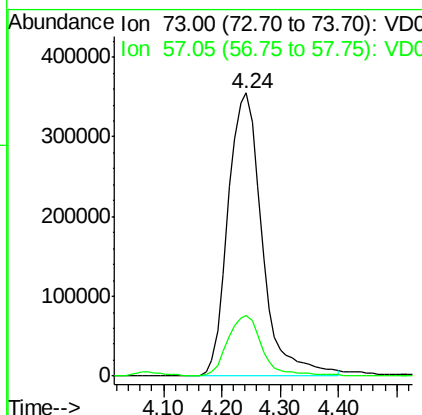
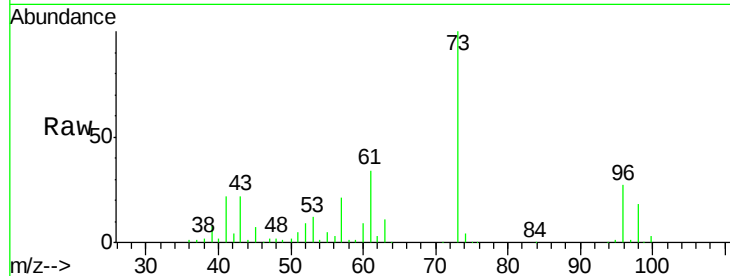




#19
Methyl tert-butyl Ether
Concen: 103.915 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

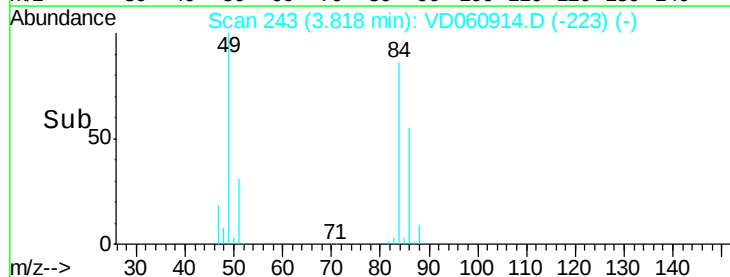
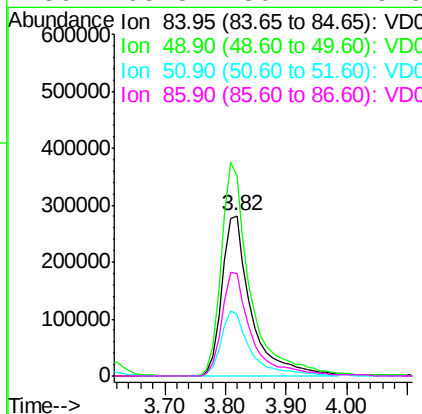
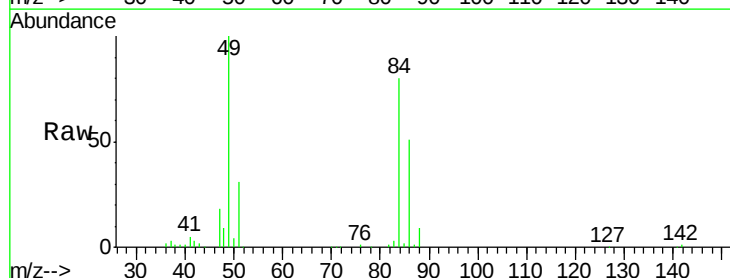
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

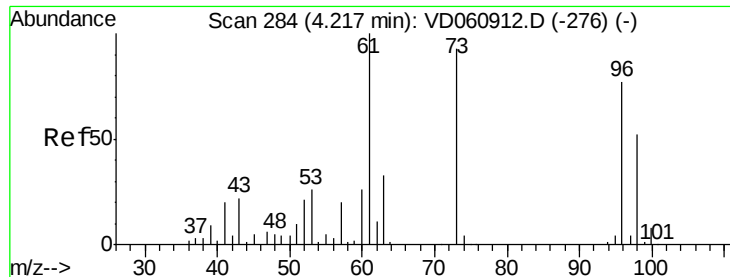
Tot Ion: 73 Resp: 1451864
Ion Ratio Lower Upper
73 100
57 21.4 14.4 21.6



#20
Methylene Chloride
Concen: 103.776 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion: 84 Resp: 944393
Ion Ratio Lower Upper
84 100
49 124.9 84.7 127.1
51 38.6 26.4 39.6
86 63.8 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 120.511 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

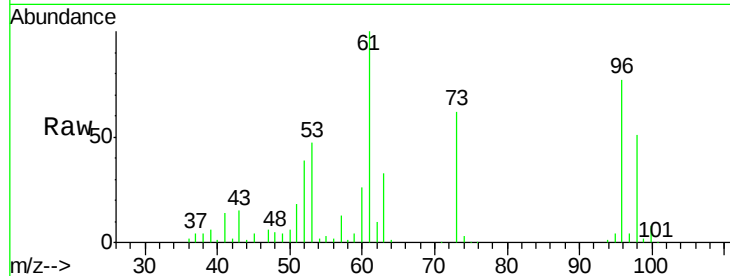
Tot Ion: 96 Resp: 890089

Ion Ratio Lower Upper

96 100

61 129.3 100.1 150.1

98 65.5 49.9 74.9

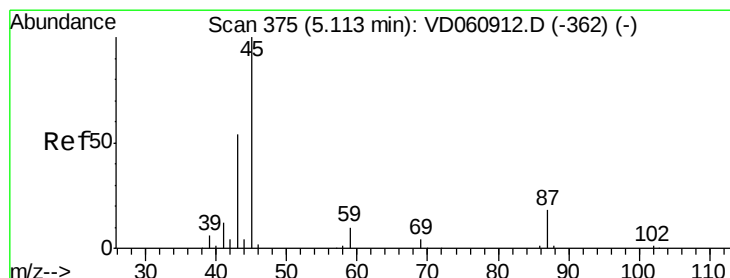
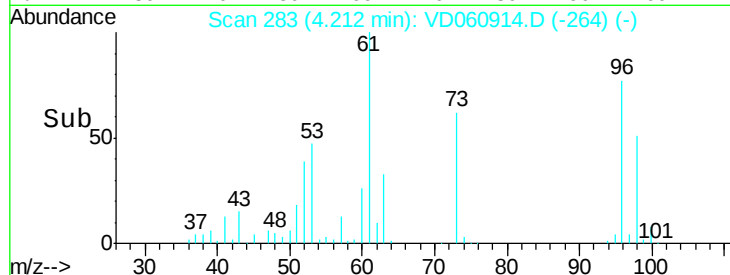
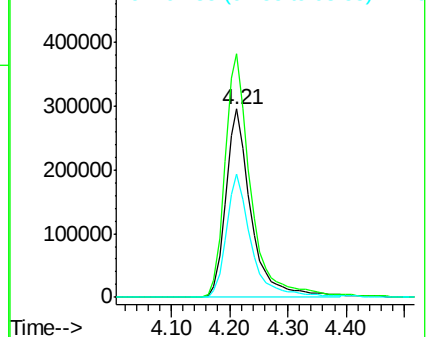


Abundance

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: 138.198 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Tgt Ion: 45 Resp: 2949741

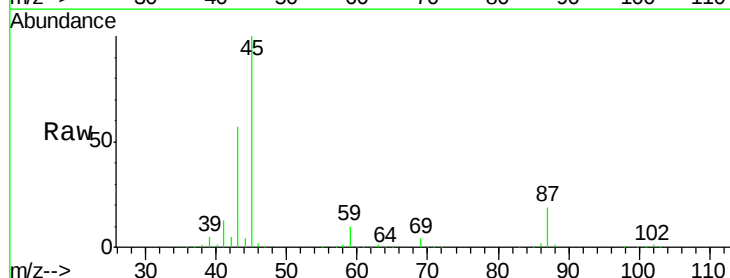
Ion Ratio Lower Upper

45 100

43 57.4 49.6 74.4

87 18.9 17.0 25.4

59 10.1 7.9 11.9



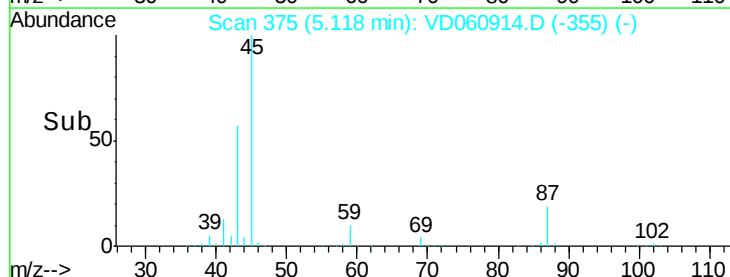
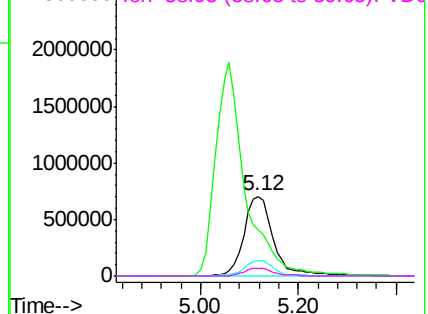
Abundance

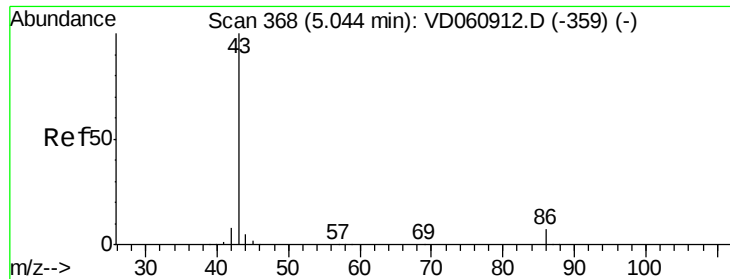
Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 651.404 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

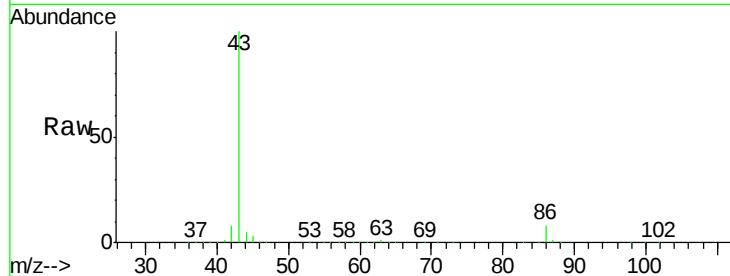
VSTDIC100

Tot Ion: 43 Resp: 7868001

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

2000000

1500000

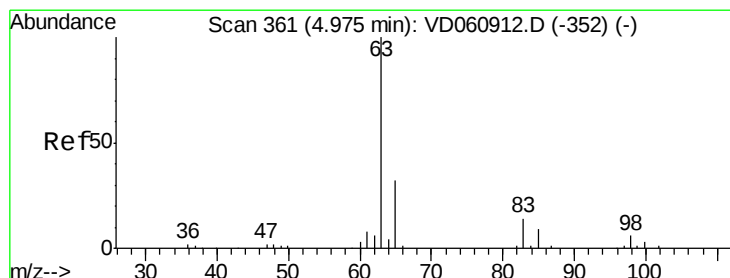
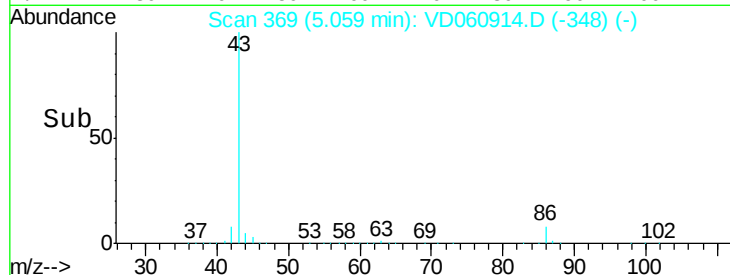
1000000

500000

0

Time-->

5.00 5.20



#24

1,1-Dichloroethane

Concen: 134.072 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

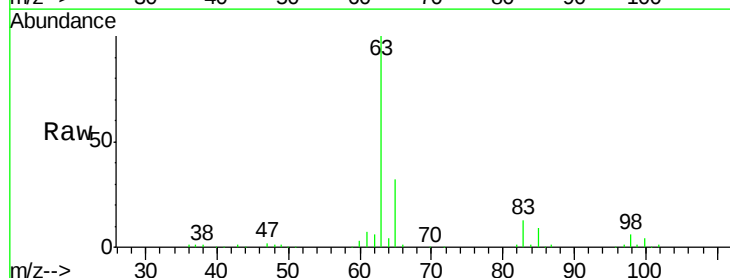
Tgt Ion: 63 Resp: 1563313

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 3.6 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

4.98

500000

400000

300000

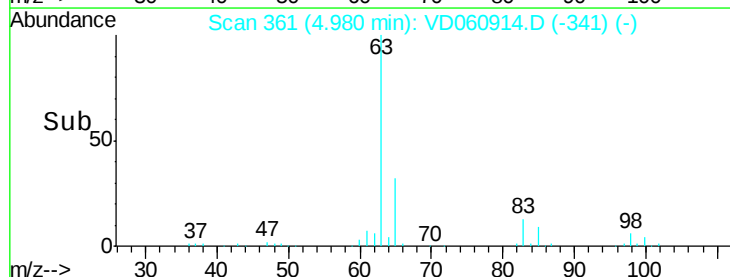
200000

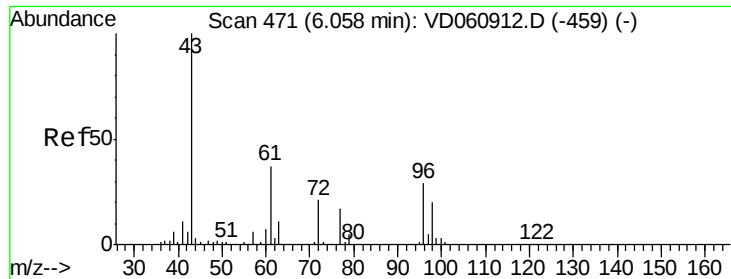
100000

0

Time-->

4.80 4.90 5.00 5.10 5.20

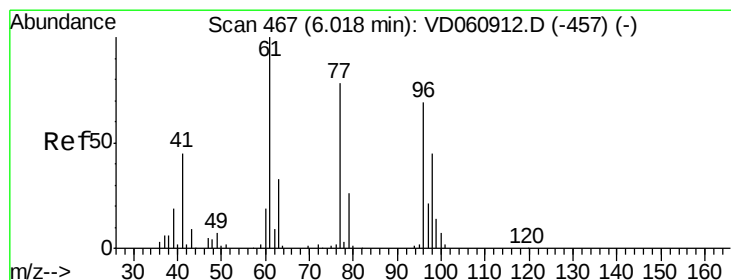
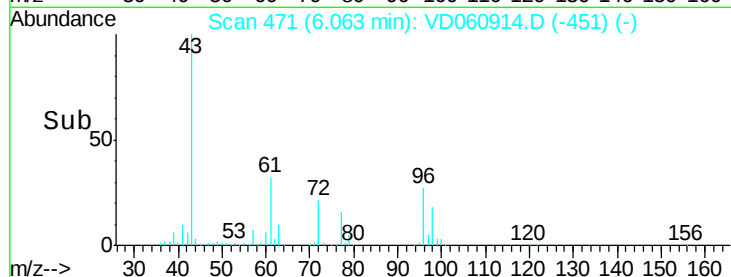
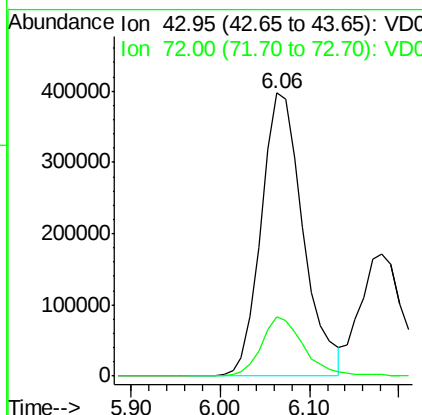
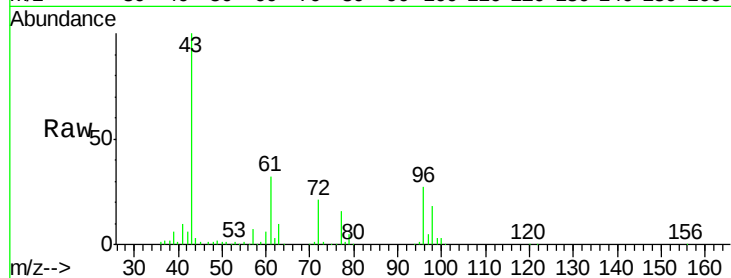




#25
2-Butanone
Concen: 606.449 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

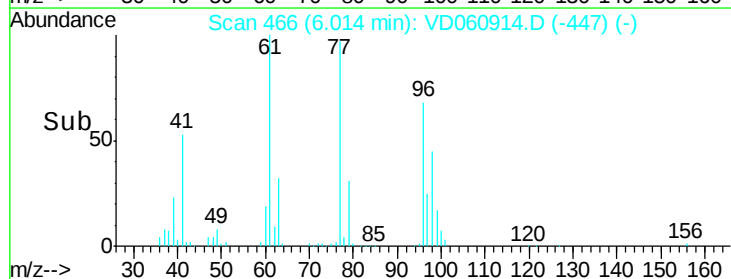
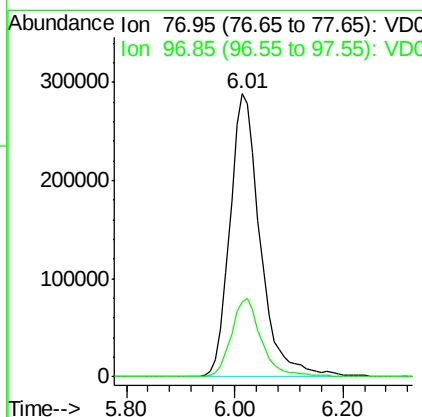
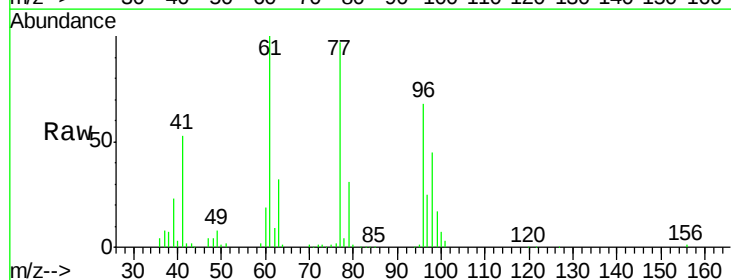
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

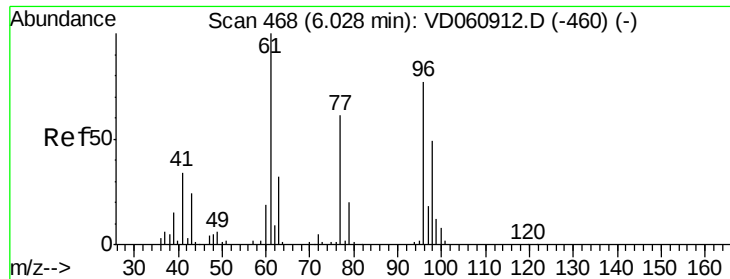
Tot Ion: 43 Resp: 1296577
Ion Ratio Lower Upper
43 100
72 20.8 16.8 25.2



#26
2,2-Dichloropropane
Concen: 101.453 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion: 77 Resp: 1122987
Ion Ratio Lower Upper
77 100
97 26.2 11.7 35.1



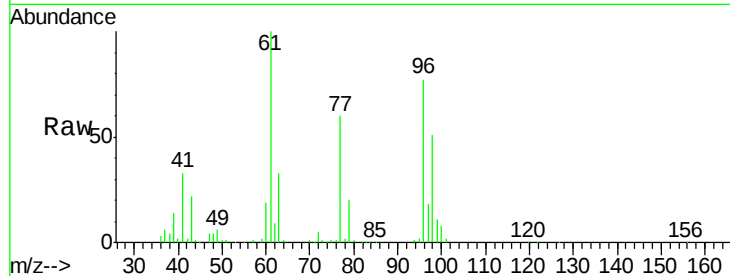


#27

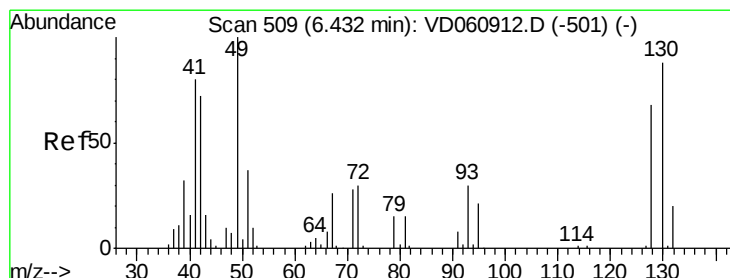
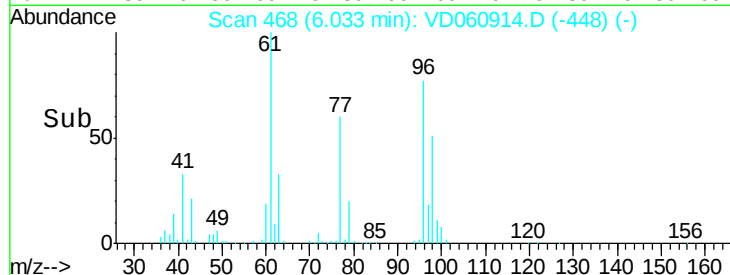
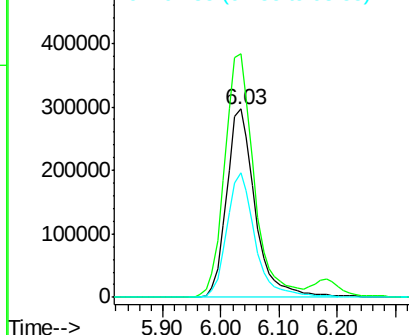
cis-1,2-Dichloroethene
Concen: 124.695 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 1011365
Ion Ratio Lower Upper
96 100
61 129.2 0.0 259.0
98 66.4 0.0 132.4



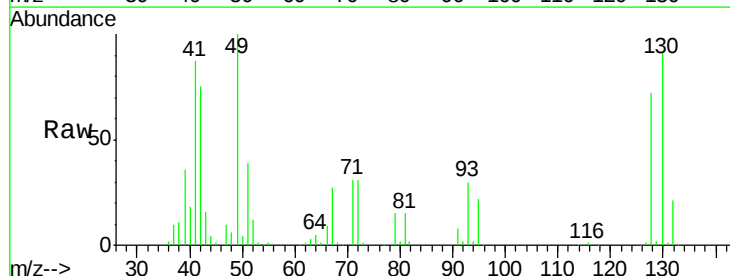
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



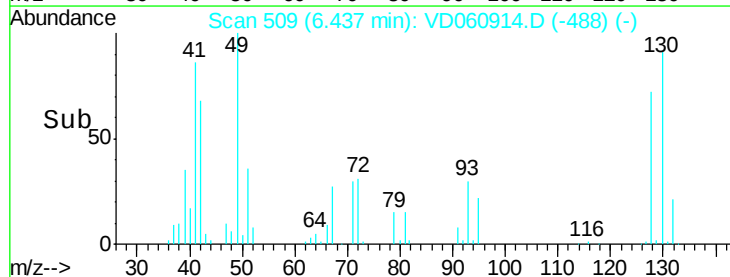
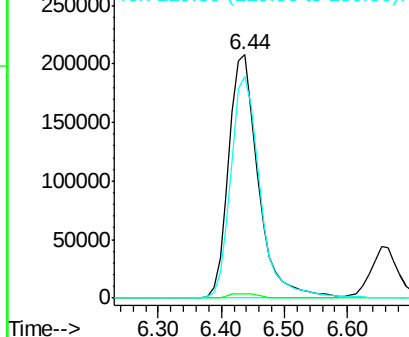
#28

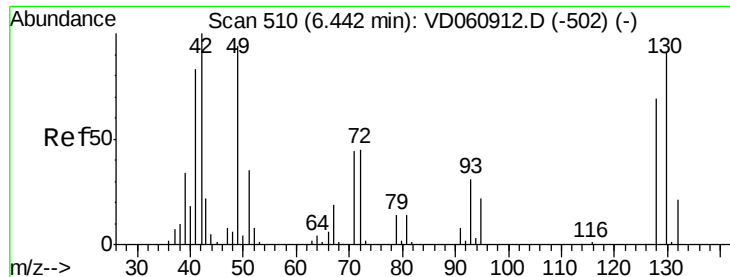
Bromochloromethane
Concen: 147.549 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion: 49 Resp: 676801
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.8
130 91.0 69.8 104.8



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

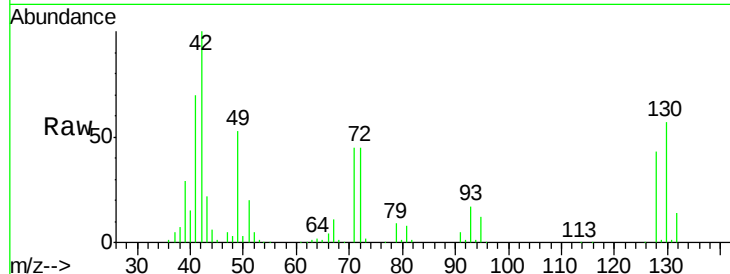




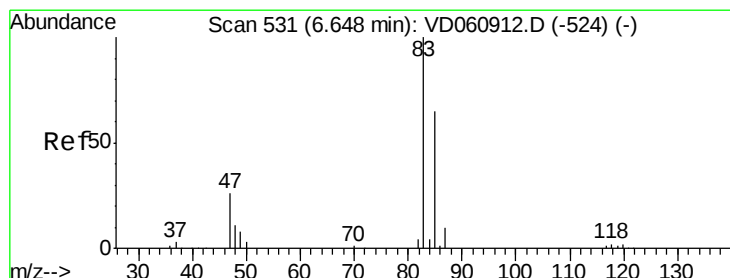
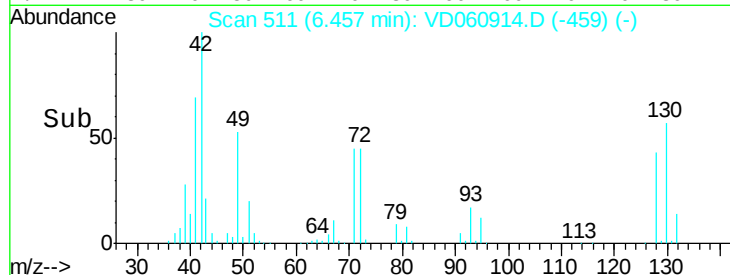
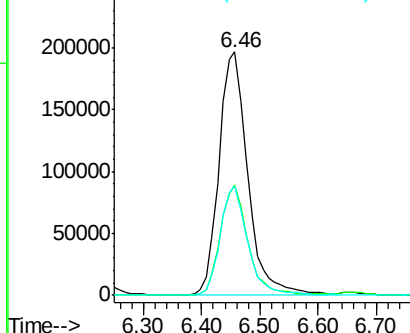
#29
Tetrahydrofuran
Concen: 631.093 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 672349
Ion Ratio Lower Upper
42 100
72 44.0 36.2 54.2
71 43.3 35.4 53.0

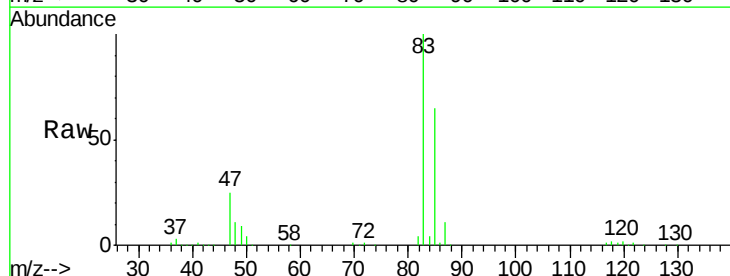


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

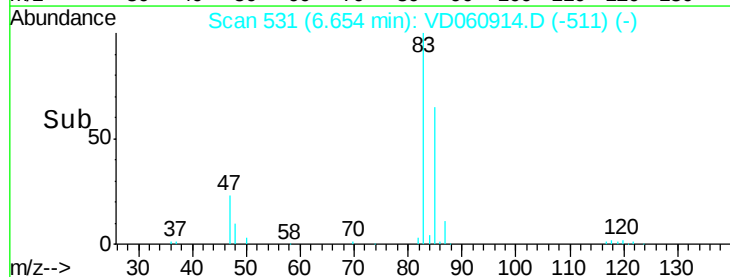
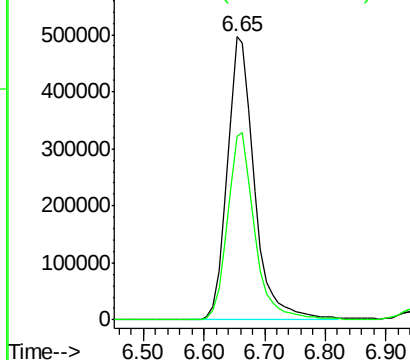


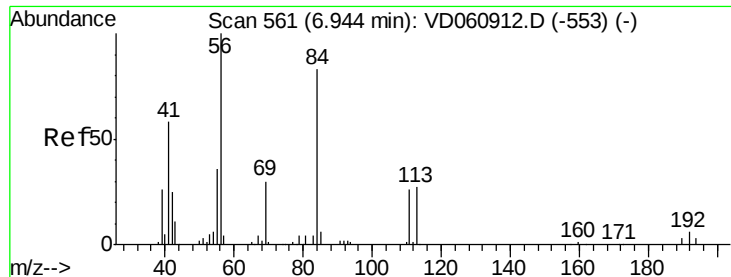
#30
Chloroform
Concen: 111.887 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion: 83 Resp: 1543340
Ion Ratio Lower Upper
83 100
85 64.9 51.5 77.3



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

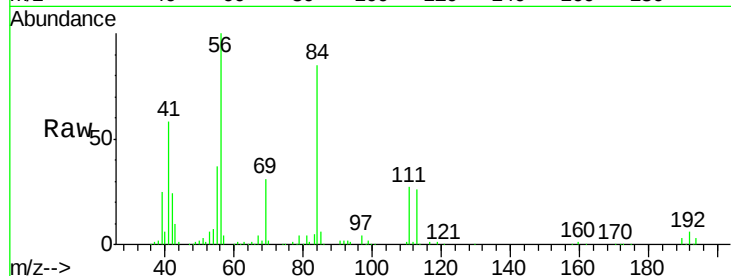




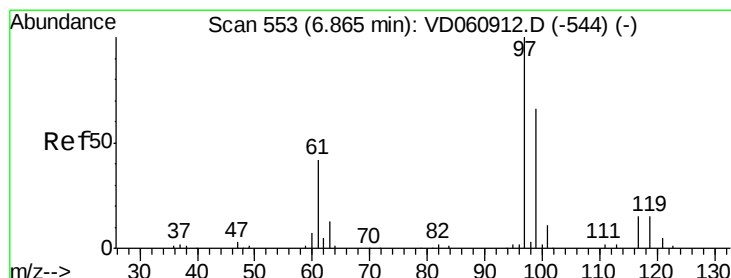
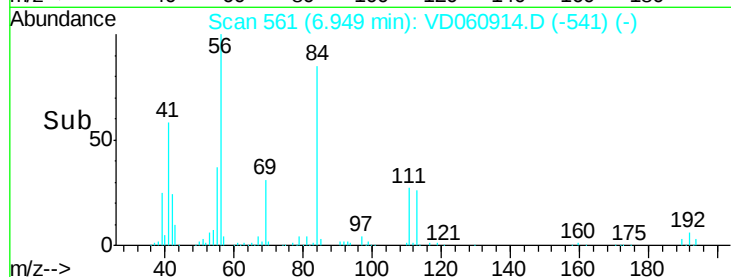
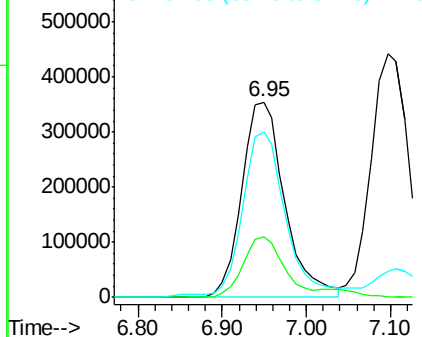
#31
Cvclohexane
Concen: 130.699 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 56 Resp: 1264014
Ion Ratio Lower Upper
56 100
69 30.7 25.3 37.9
84 84.9 78.1 117.1

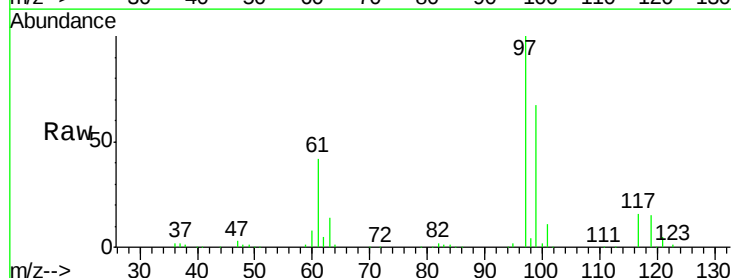


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

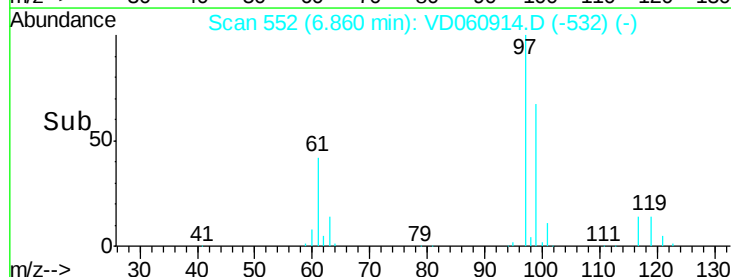
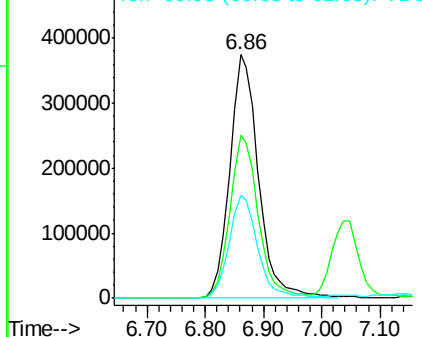


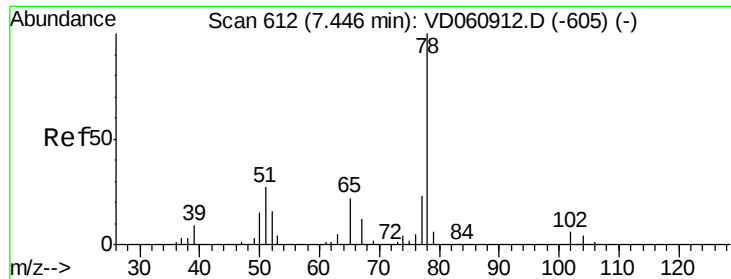
#32
1,1,1-Trichloroethane
Concen: 119.169 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion: 97 Resp: 1279681
Ion Ratio Lower Upper
97 100
99 66.9 51.0 76.4
61 42.1 31.9 47.9



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





#33

1,2-Dichloroethane-d4

Concen: 119.169 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

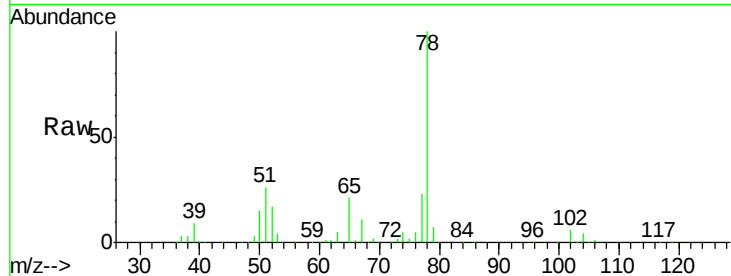
VSTDIC100

Tot Ion: 65 Resp: 598946

Ion Ratio Lower Upper

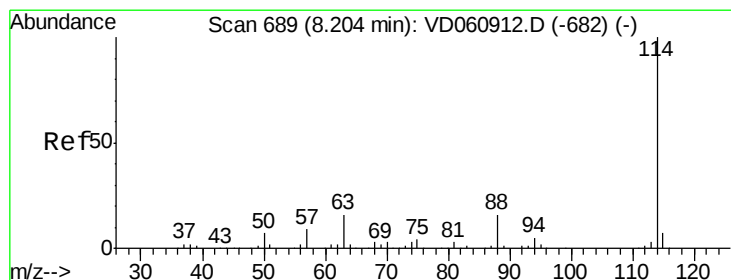
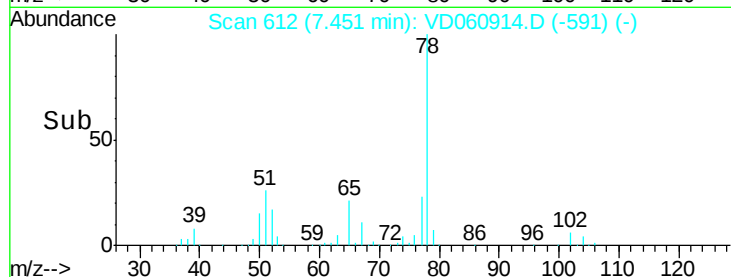
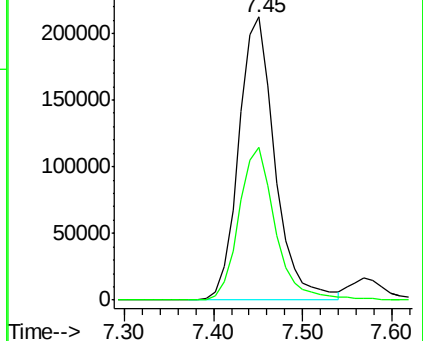
65 100

67 53.8 0.0 106.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

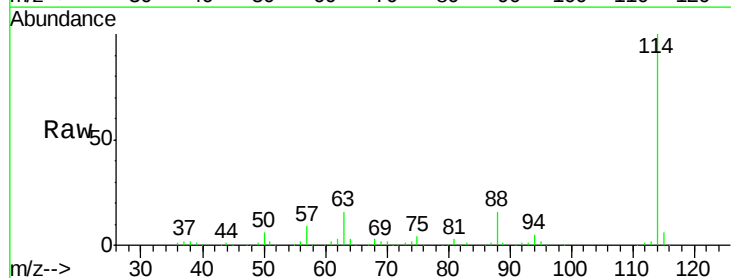
Tgt Ion: 114 Resp: 1283717

Ion Ratio Lower Upper

114 100

63 15.9 0.0 34.8

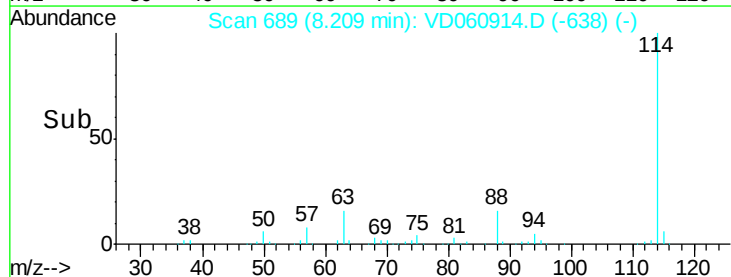
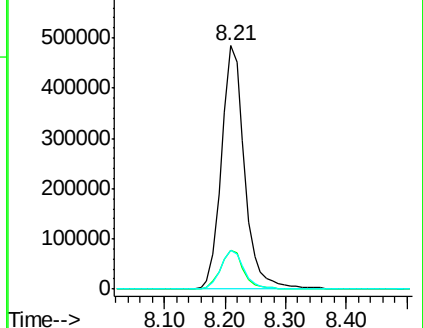
88 16.2 0.0 39.0

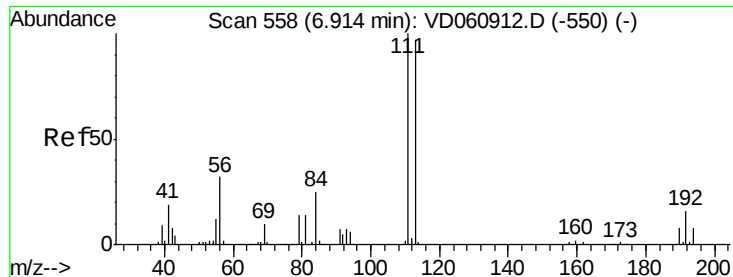


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

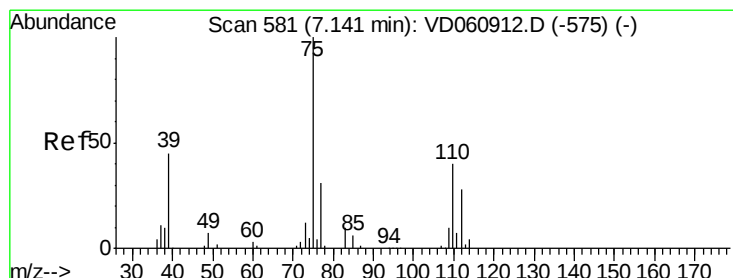
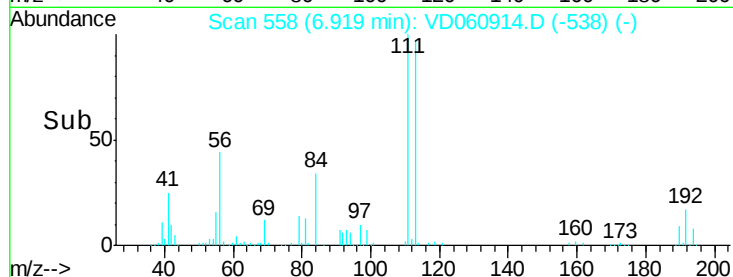
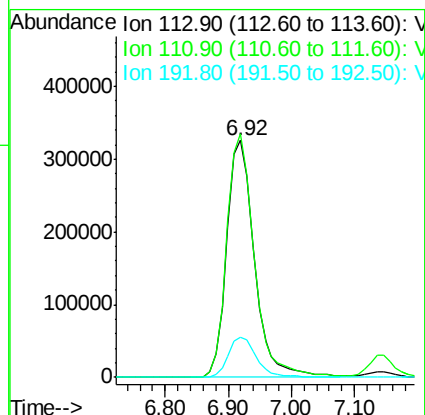
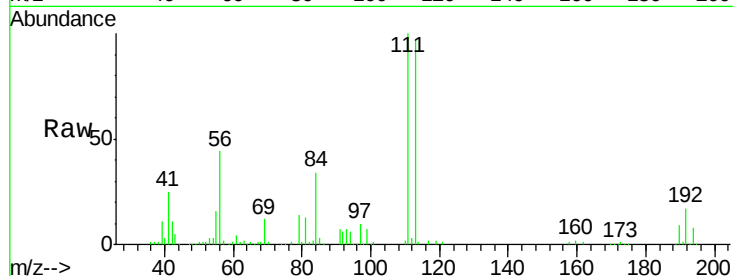




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

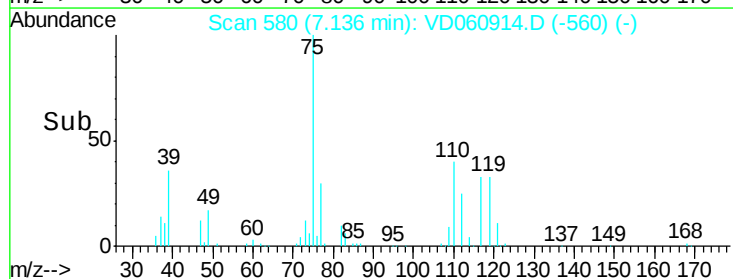
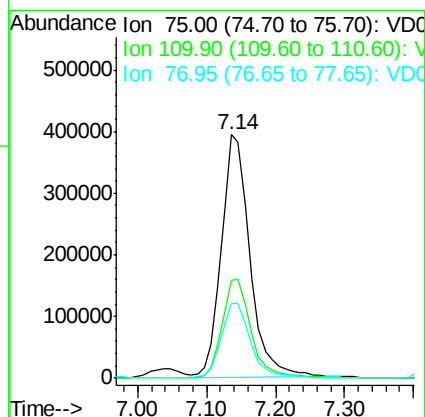
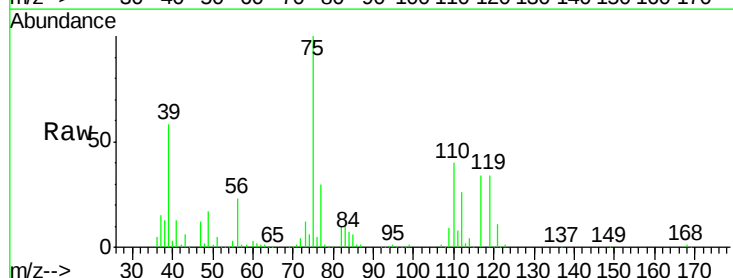
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

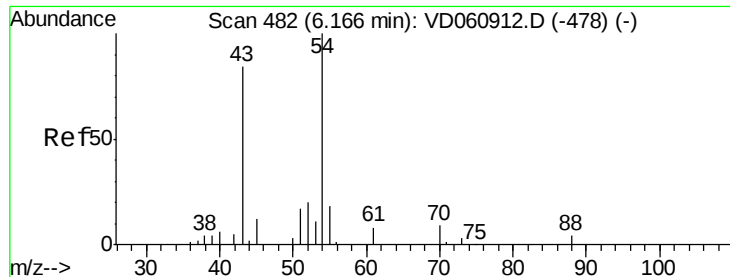
Tot Ion:113 Resp: 996571
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.9 122.9
 192 17.2 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 83.989 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

Tgt Ion: 75 Resp: 1128040
 Ion Ratio Lower Upper
 75 100
 110 40.3 16.8 50.3
 77 30.4 25.8 38.8





#37

Ethyl Acetate

Concen: 92.240 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

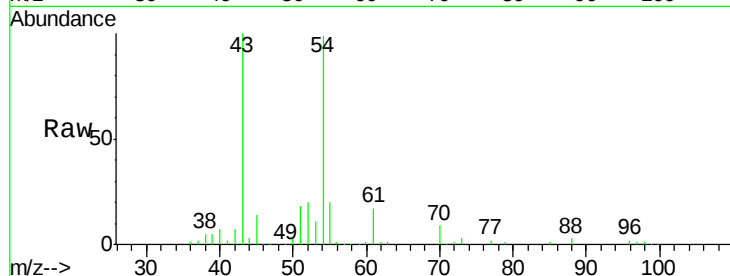
Tot Ion: 43 Resp: 582418

Ion Ratio Lower Upper

43 100

61 16.6 12.5 18.7

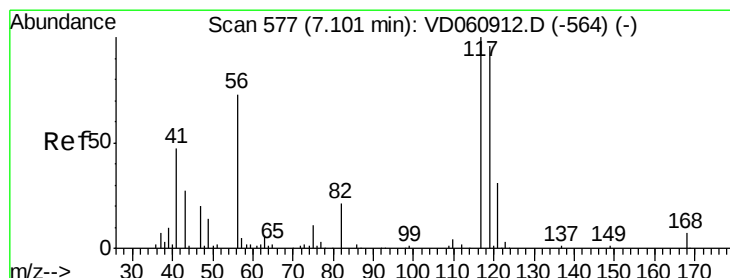
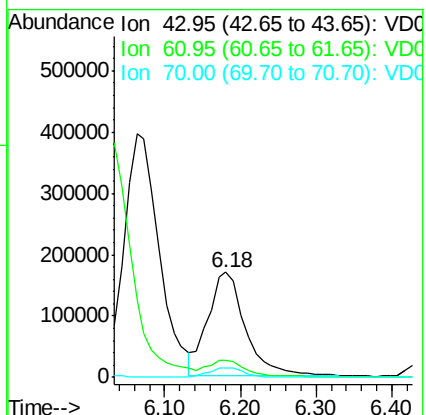
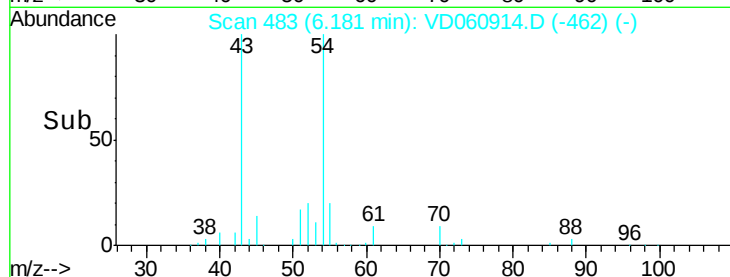
70 9.2 7.9 11.9



Abundance Ion 42.95 (42.65 to 43.65): VD060914.D (-478) (-)

Ion 60.95 (60.65 to 61.65): VD060914.D (-478) (-)

Ion 70.00 (69.70 to 70.70): VD060914.D (-478) (-)



#38

Carbon Tetrachloride

Concen: 102.210 ug/l

RT: 7.11 min Scan# 577

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

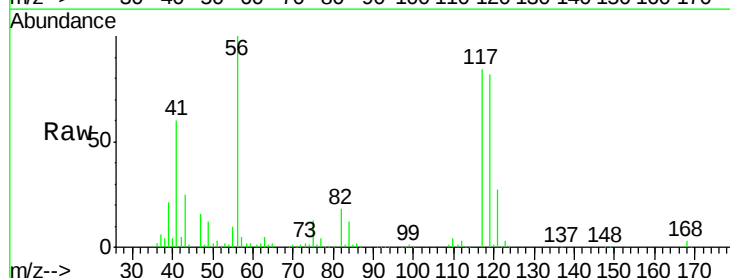
Tgt Ion: 117 Resp: 1273768

Ion Ratio Lower Upper

117 100

119 98.1 77.2 115.8

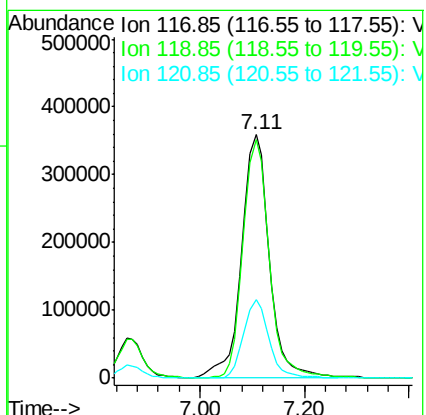
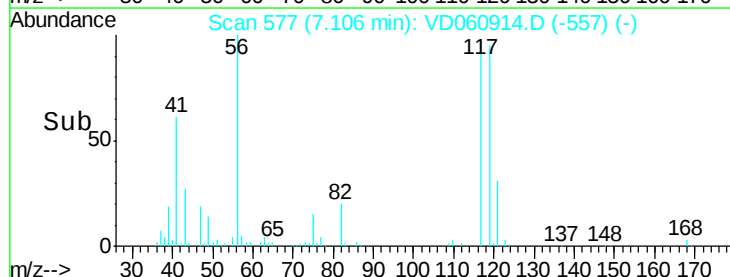
121 32.1 25.0 37.4

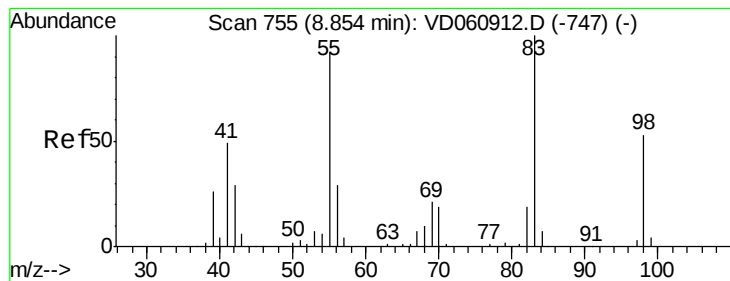


Abundance Ion 116.85 (116.55 to 117.55): VD060914.D (-564) (-)

Ion 118.85 (118.55 to 119.55): VD060914.D (-564) (-)

Ion 120.85 (120.55 to 121.55): VD060914.D (-564) (-)





#39

Methvlcvclohexane

Concen: 88.114 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

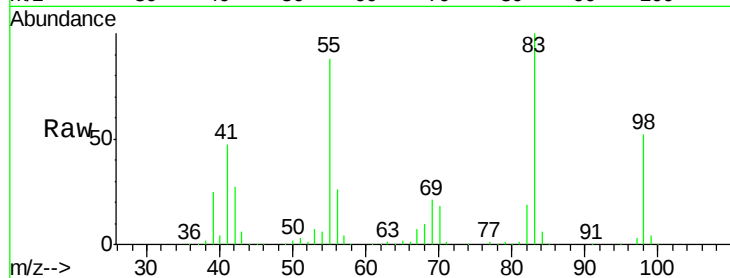
Tot Ion: 83 Resp: 1258002

Ion Ratio Lower Upper

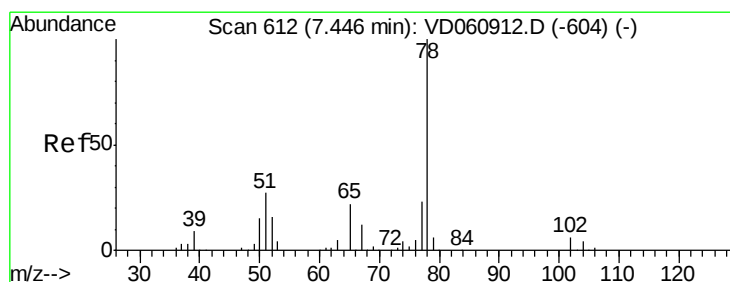
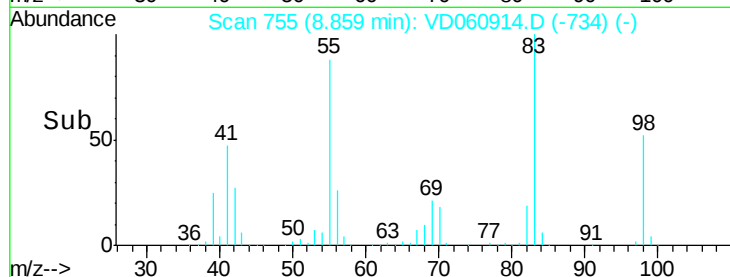
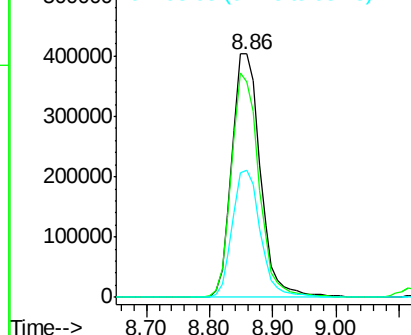
83 100

55 88.3 58.8 88.2#

98 52.0 36.8 55.2



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



#40

Benzene

Concen: 90.648 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD060914.D

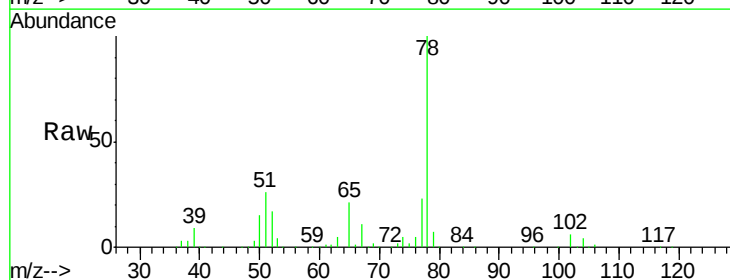
Acq: 1 Mar 2019 17:31

Tgt Ion: 78 Resp: 3025649

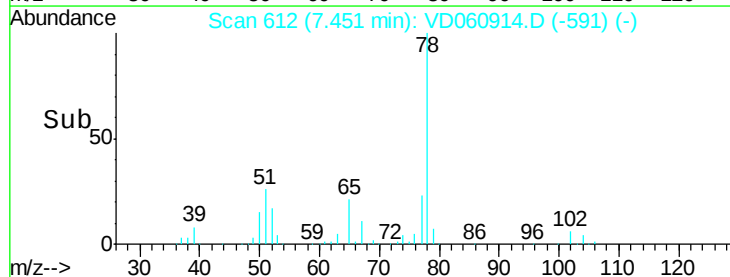
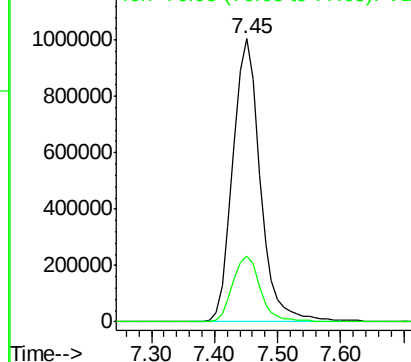
Ion Ratio Lower Upper

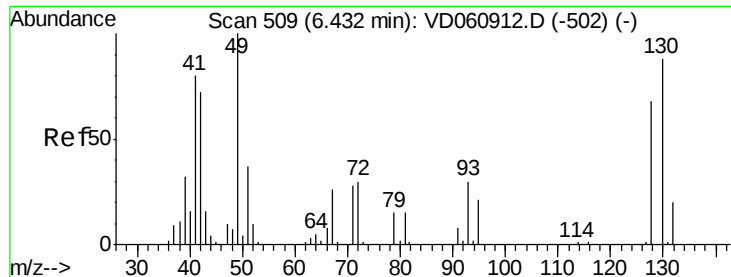
78 100

77 23.3 18.9 28.3



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

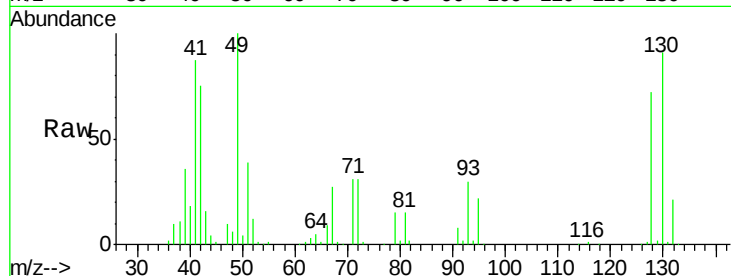




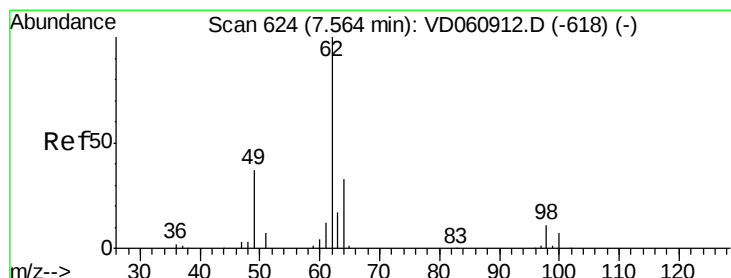
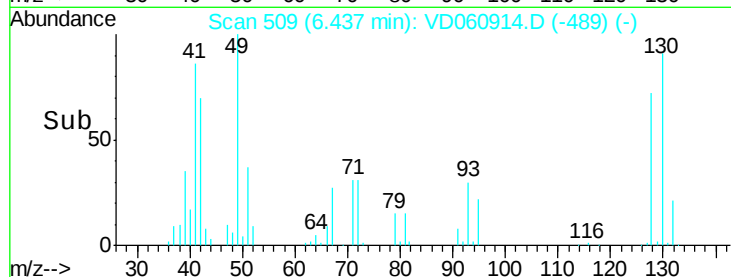
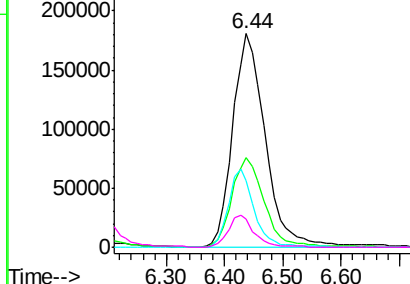
#41
Methacrylonitrile
Concen: 206.285 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 703673
Ion Ratio Lower Upper
41 100
39 41.8 36.9 55.3
67 30.9 24.9 37.3
52 13.3 10.1 15.1

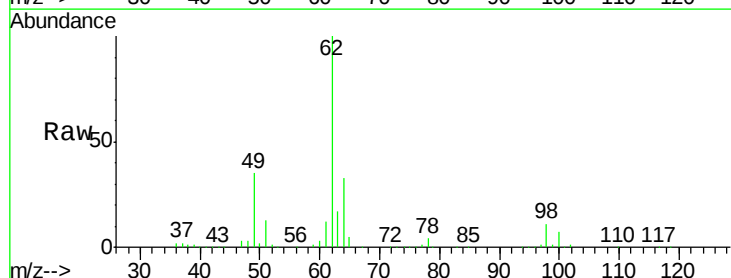


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

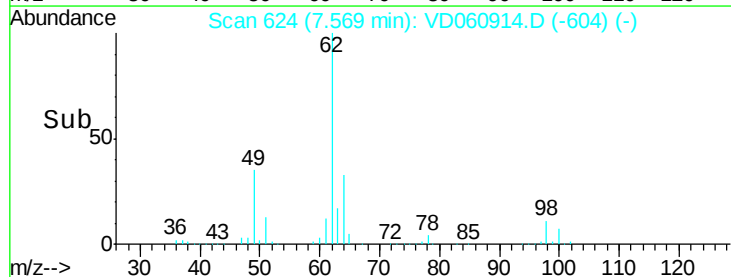
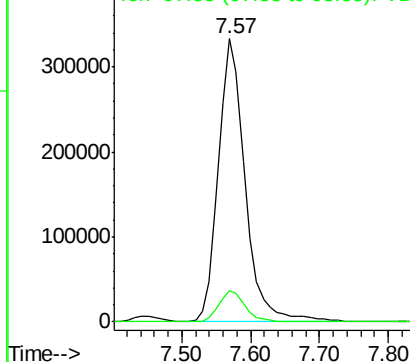


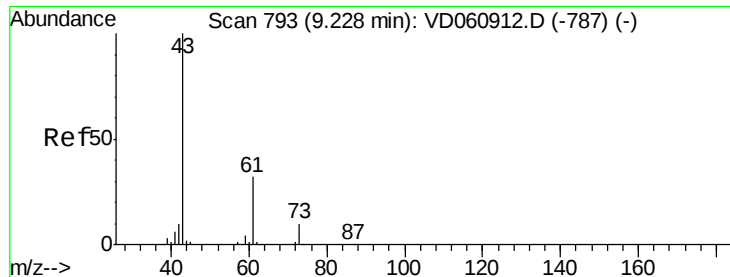
#42
1,2-Dichloroethane
Concen: 98.230 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion: 62 Resp: 891722
Ion Ratio Lower Upper
62 100
98 11.0 0.0 21.6



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



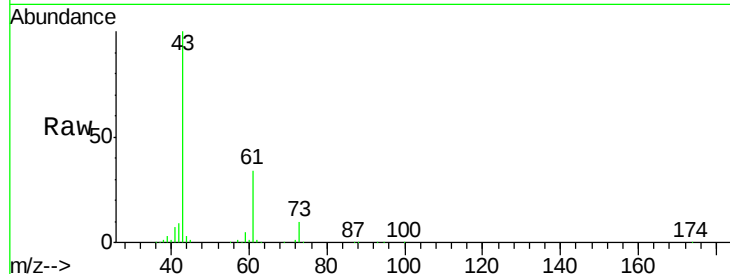


#43

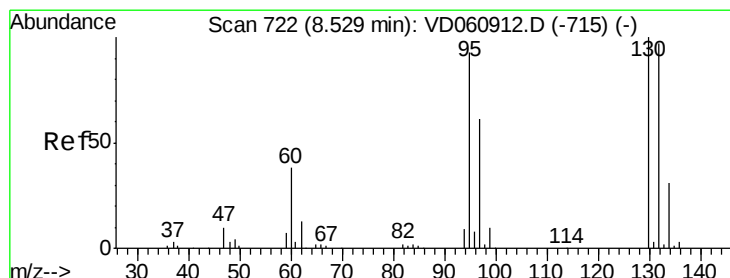
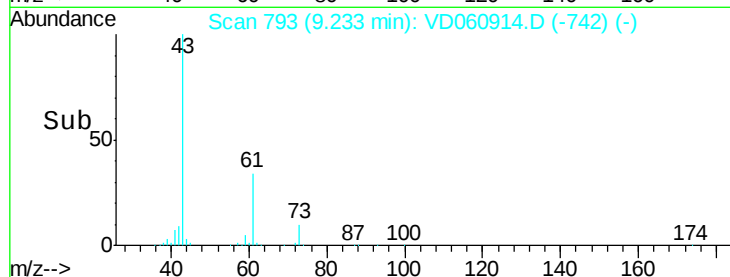
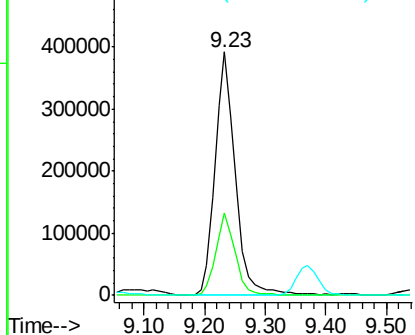
Isopropyl Acetate
 Concen: 101.290 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 905940
 Ion Ratio Lower Upper
 43 100
 61 33.6 25.4 38.2
 87 0.3 0.3 0.5#



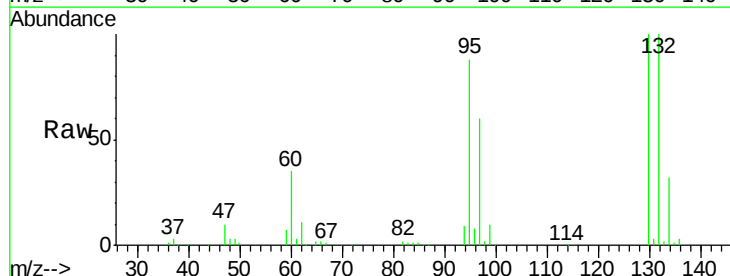
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



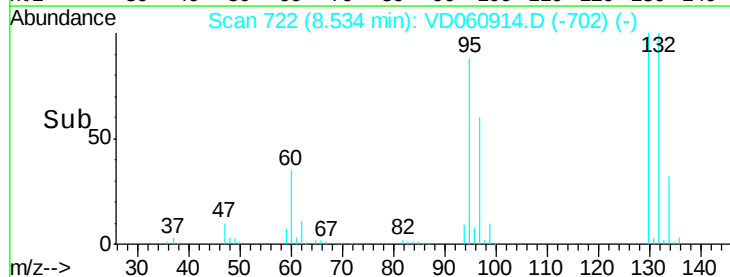
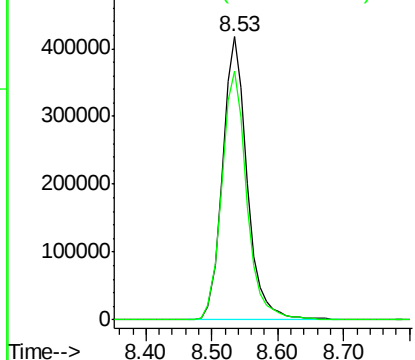
#44

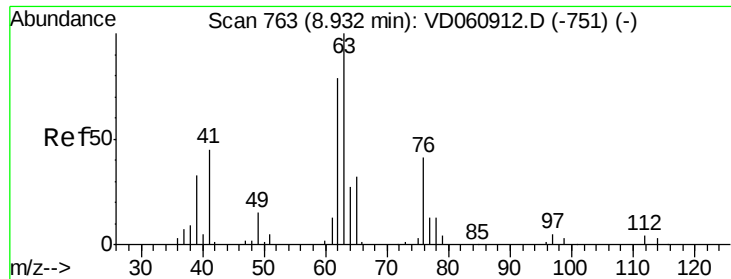
Trichloroethene
 Concen: 100.169 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

Tgt Ion:130 Resp: 1090299
 Ion Ratio Lower Upper
 130 100
 95 88.1 0.0 179.6



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





#45

1,2-Dichloropropane

Concen: 102.219 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

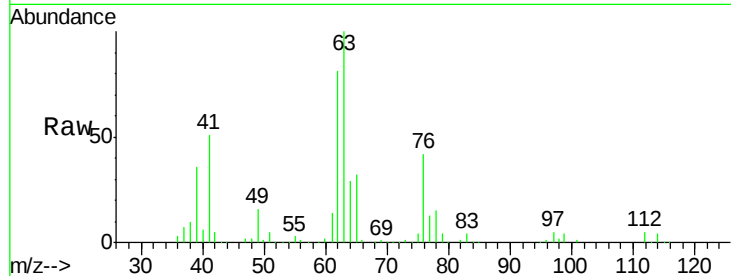
VSTDIC100

Tot Ion: 63 Resp: 796984

Ion Ratio Lower Upper

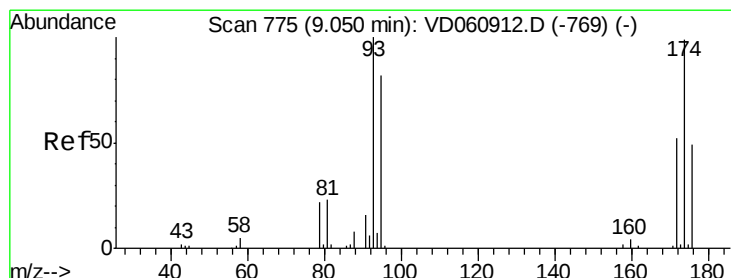
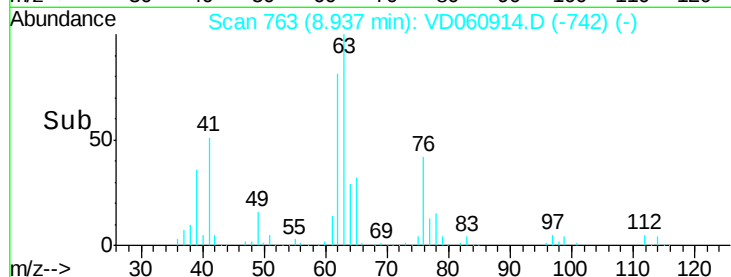
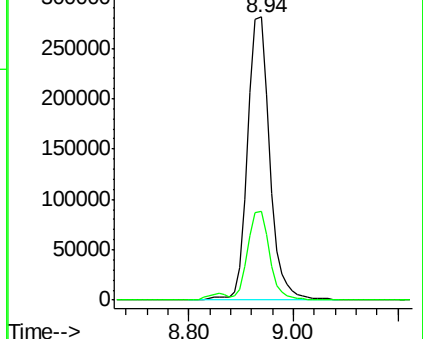
63 100

65 31.6 24.6 36.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 99.573 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

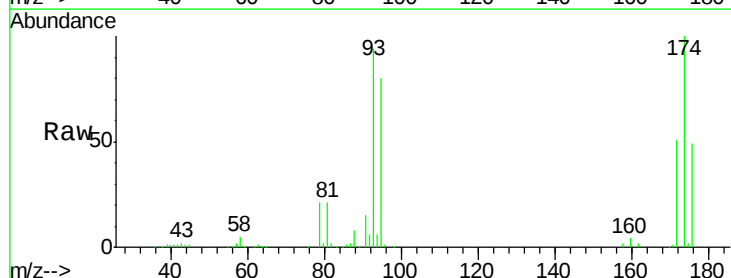
Tgt Ion: 93 Resp: 557820

Ion Ratio Lower Upper

93 100

95 85.0 64.0 96.0

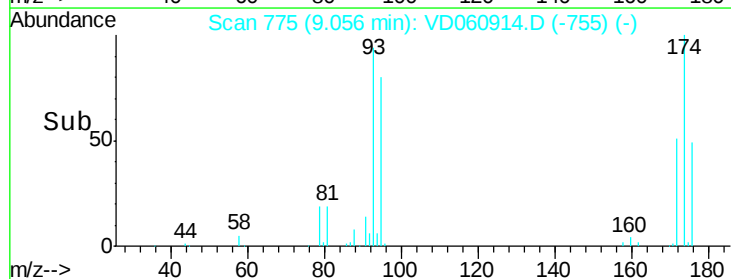
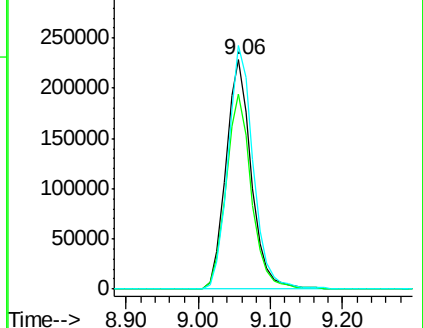
174 106.3 93.1 139.7

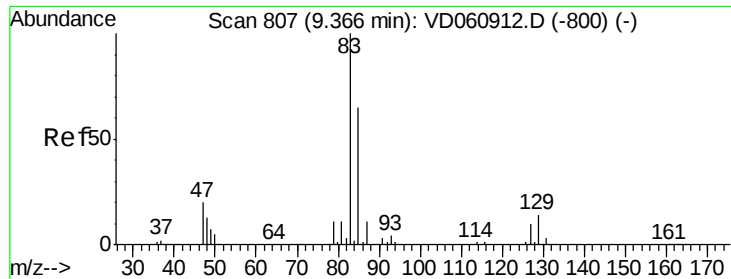


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 91.085 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

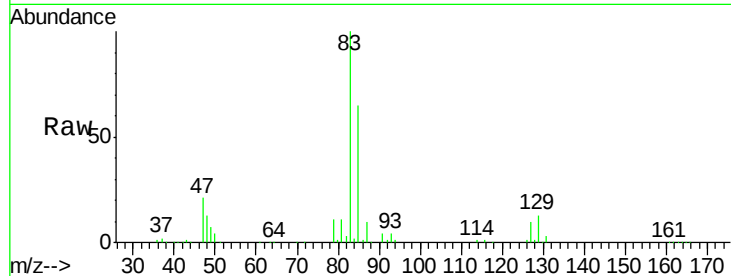
Tot Ion: 83 Resp: 1210186

Ion Ratio Lower Upper

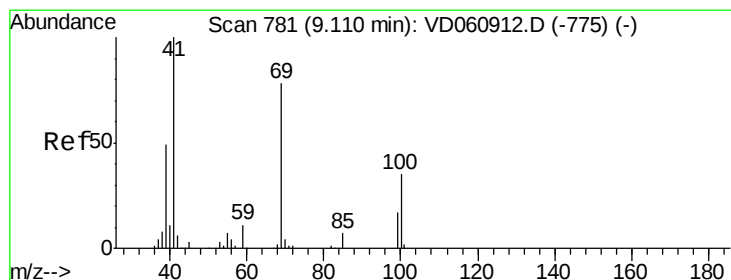
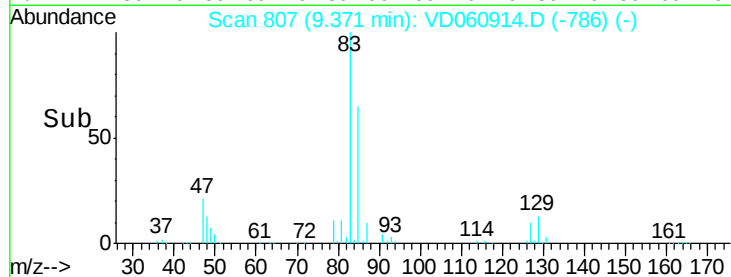
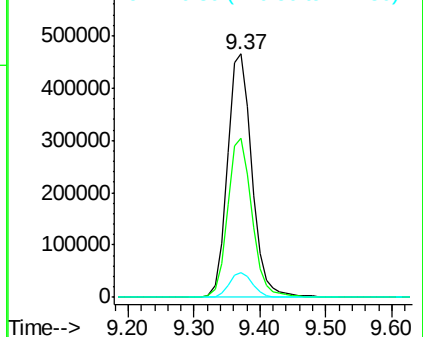
83 100

85 65.2 50.8 76.2

127 10.3 7.3 10.9



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



#48

Methyl methacrylate

Concen: 92.771 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

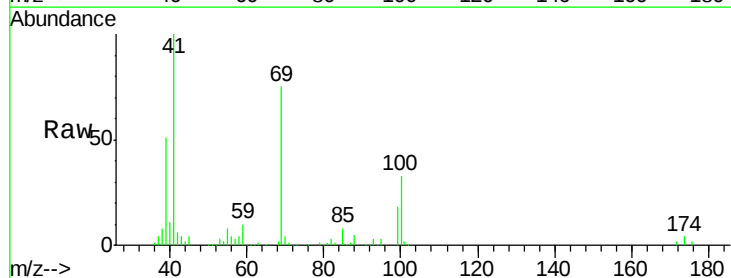
Tgt Ion: 41 Resp: 477709

Ion Ratio Lower Upper

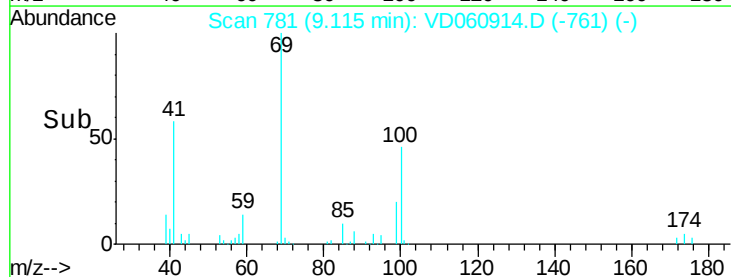
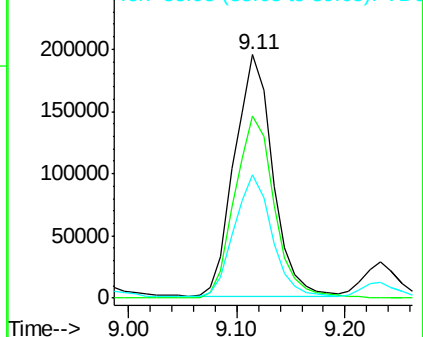
41 100

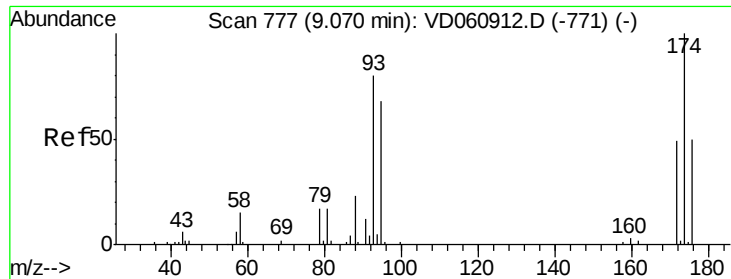
69 74.7 61.4 92.2

39 50.8 42.1 63.1



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

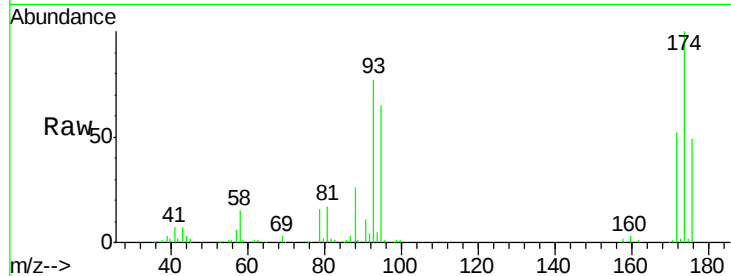




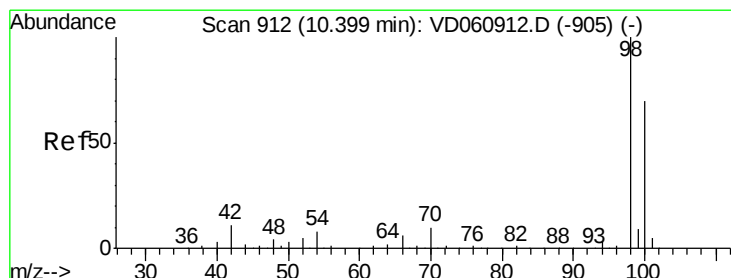
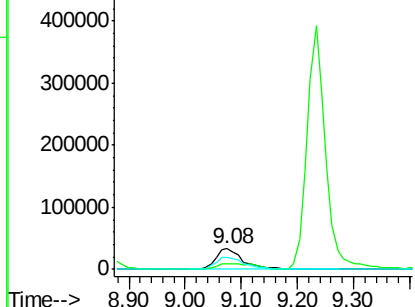
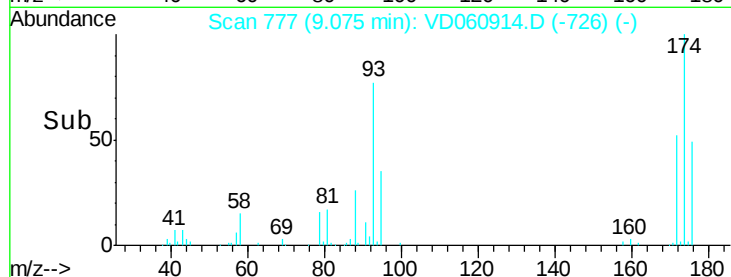
#49
1,4-Dioxane
Concen: 2118.505 ug/l
RT: 9.08 min Scan# 777
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 88 Resp: 114278
Ion Ratio Lower Upper
88 100
43 28.4 20.3 30.5
58 59.8 40.6 61.0

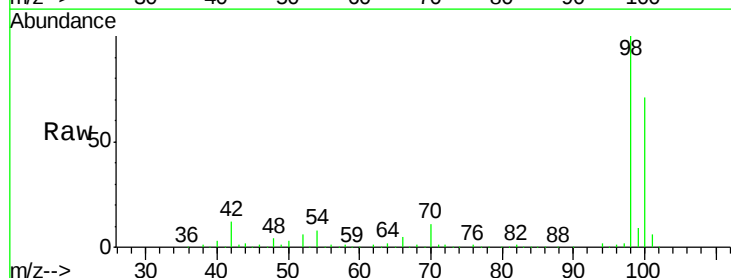


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

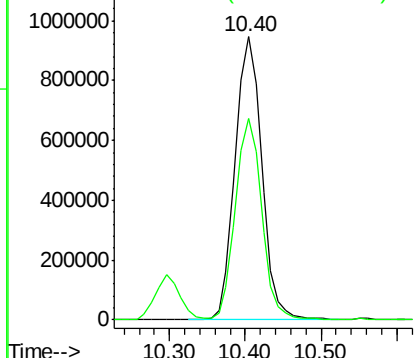
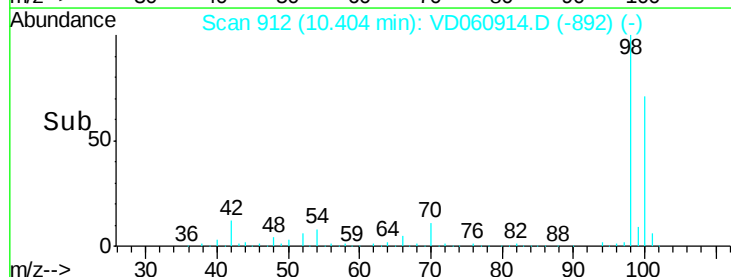


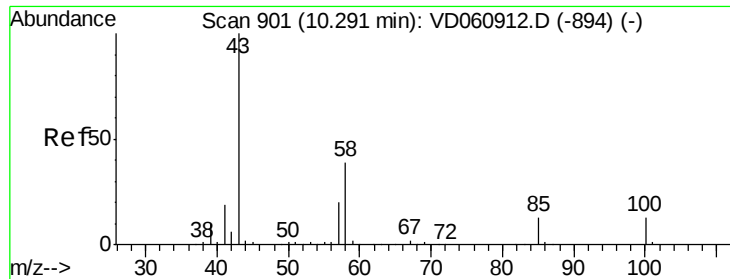
#50
Toluene-d8
Concen: 2118.505 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion: 98 Resp: 2313598
Ion Ratio Lower Upper
98 100
100 71.0 55.3 82.9



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: 482.577 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

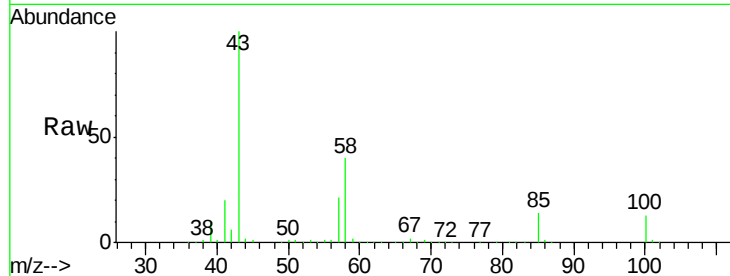
VSTDIC100

Tot Ion: 43 Resp: 2662515

Ion Ratio Lower Upper

43 100

58 40.1 26.8 40.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

1200000

1000000

800000

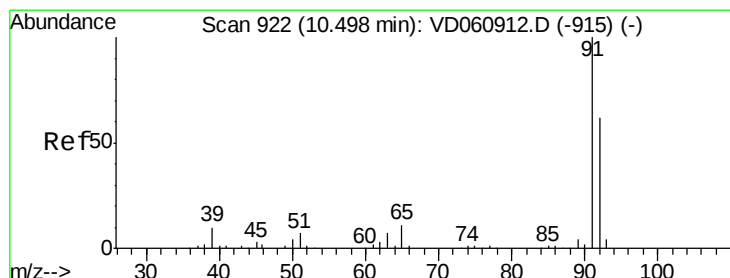
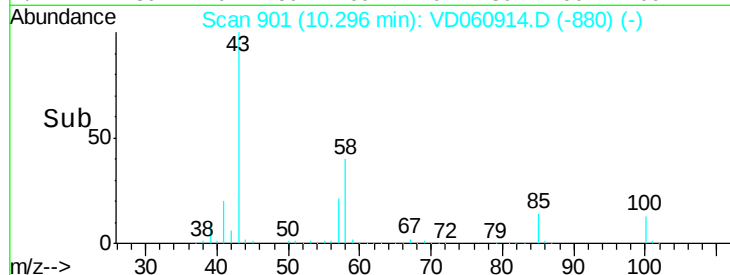
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 94.017 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD060914.D

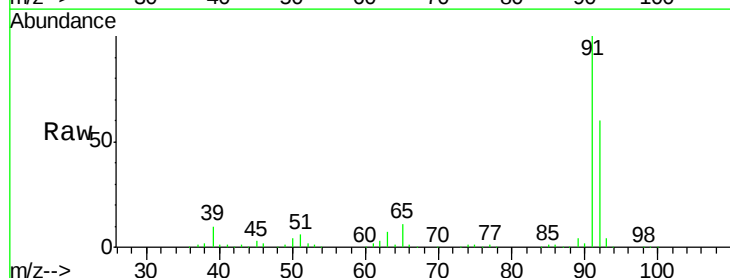
Acq: 1 Mar 2019 17:31

Tgt Ion: 92 Resp: 1817506

Ion Ratio Lower Upper

92 100

91 165.7 132.1 198.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

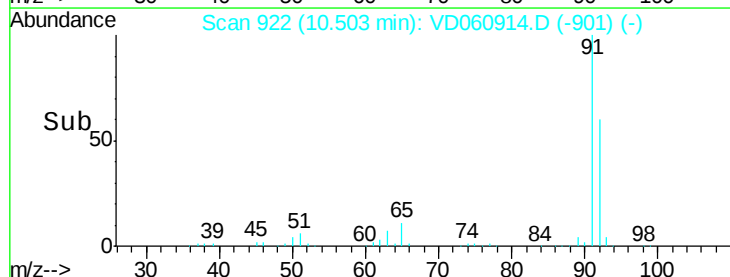
1500000

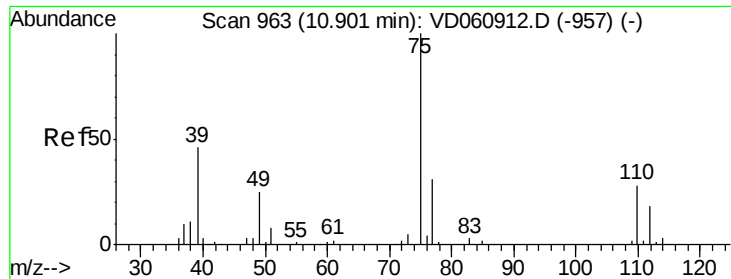
1000000

500000

0

Time-->

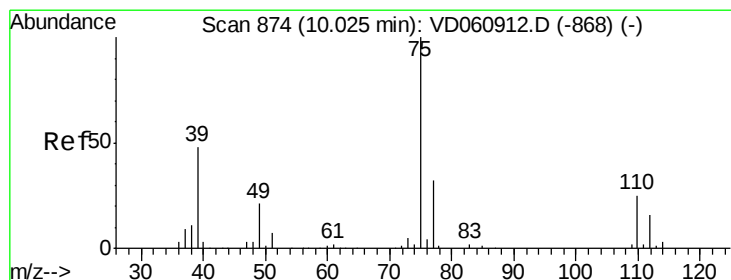
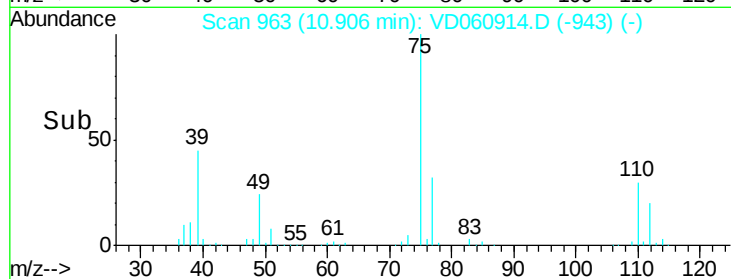
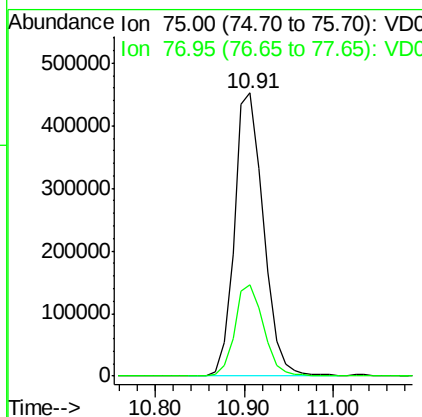
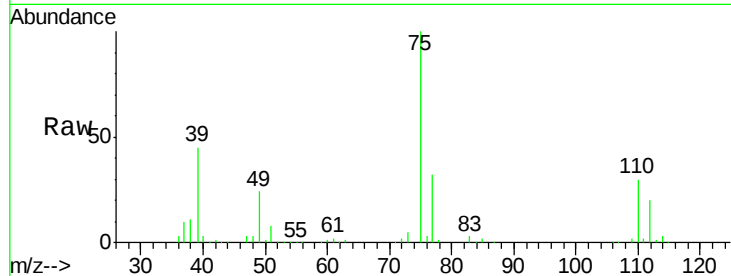




#53
t-1,3-Dichloropropene
Concen: 83.850 ug/l
RT: 10.91 min Scan# 963
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

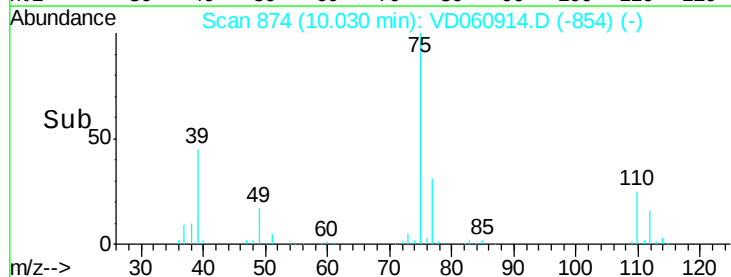
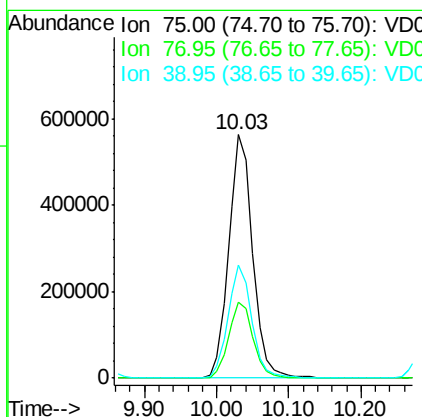
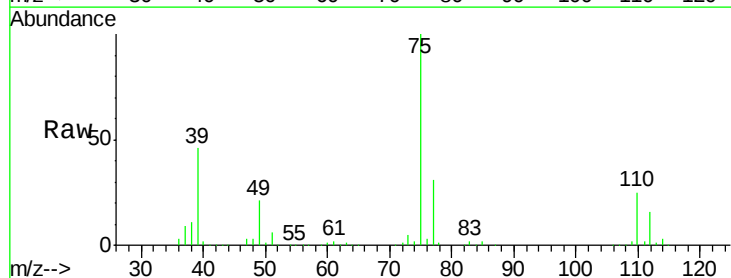
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

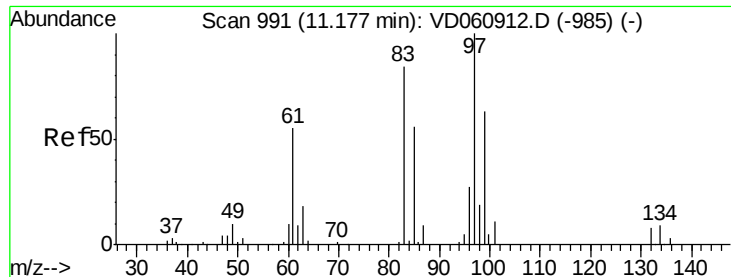
Tot Ion: 75 Resp: 1028413
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 91.844 ug/l
RT: 10.03 min Scan# 874
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion: 75 Resp: 1297794
Ion Ratio Lower Upper
75 100
77 31.3 26.1 39.1
39 46.3 36.6 54.8

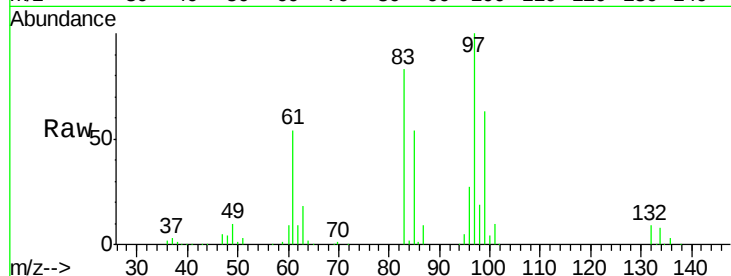




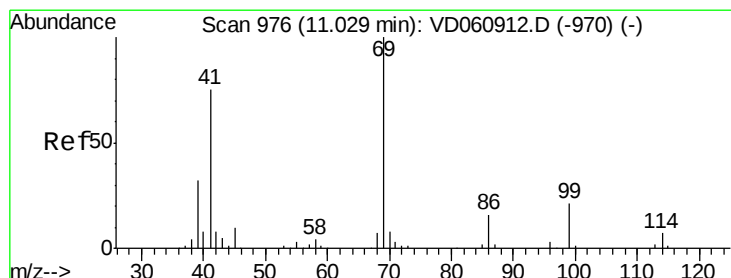
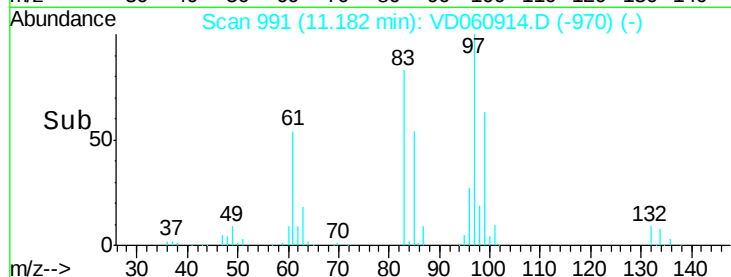
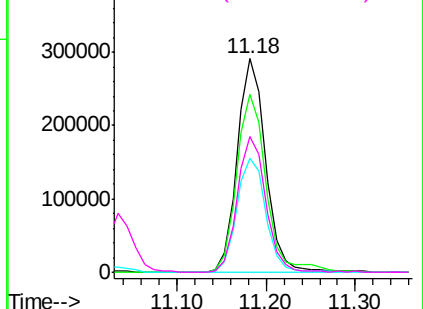
#55
1,1,2-Trichloroethane
Concen: 97.420 ug/l
RT: 11.18 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 97 Resp: 646013
Ion Ratio Lower Upper
97 100
83 83.3 73.0 109.6
85 53.6 47.6 71.4
99 63.4 47.9 71.9

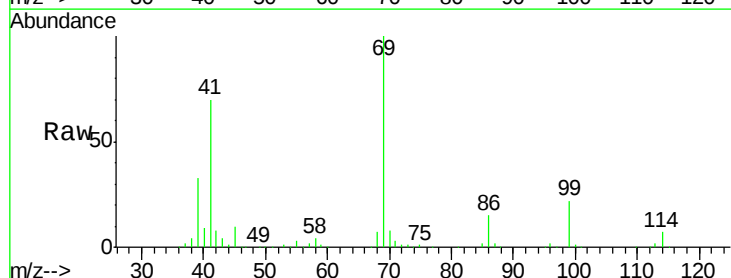


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

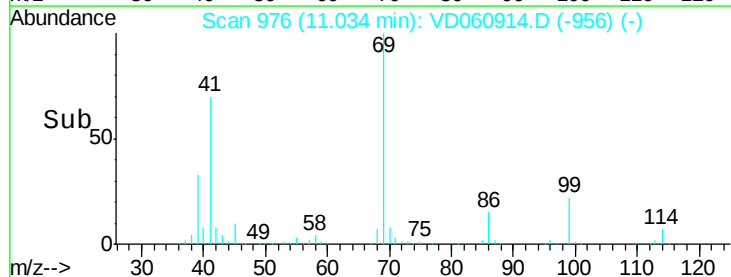
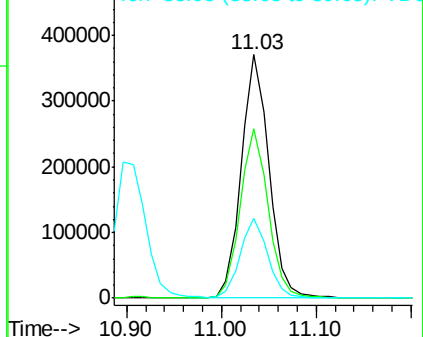


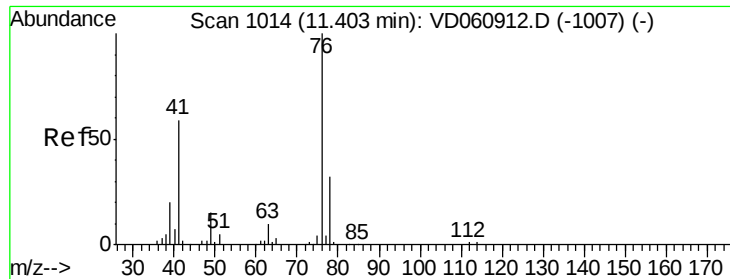
#56
Ethyl methacrylate
Concen: 99.330 ug/l
RT: 11.03 min Scan# 976
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion: 69 Resp: 749564
Ion Ratio Lower Upper
69 100
41 69.7 58.2 87.2
39 32.6 30.8 46.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC

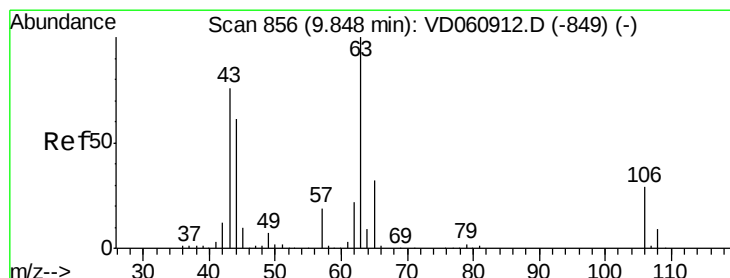
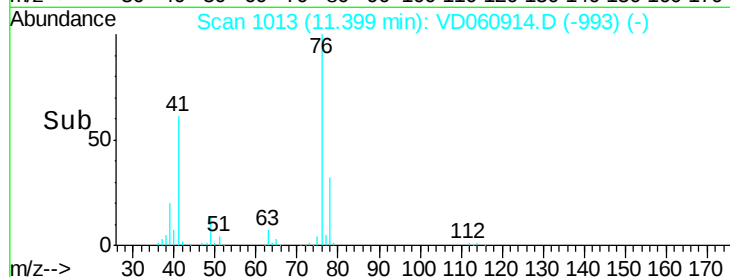
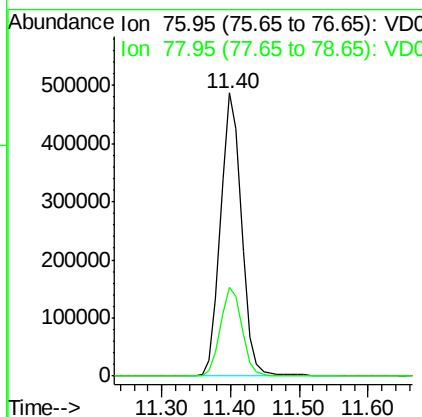
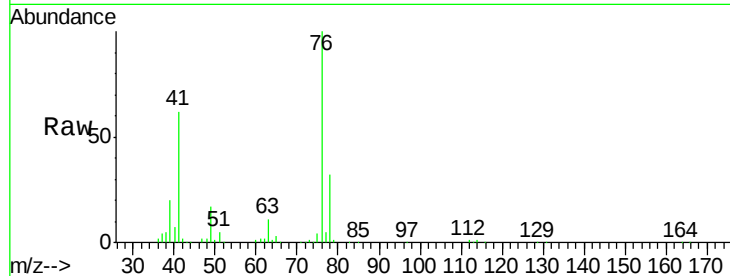




#57
 1,3-Dichloropropane
 Concen: 94.592 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

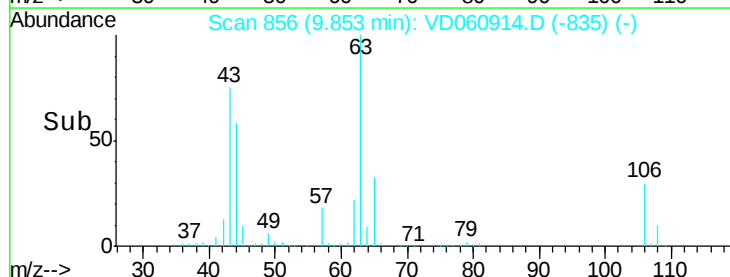
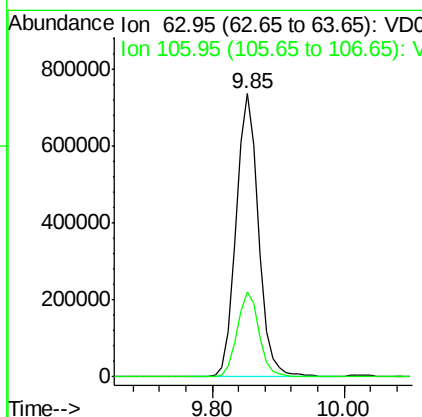
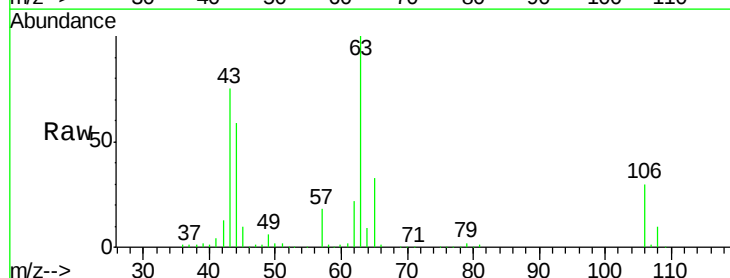
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

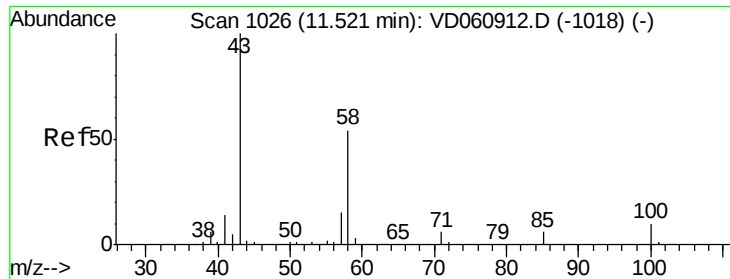
Tot Ion: 76 Resp: 1033057
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 487.397 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

Tgt Ion: 63 Resp: 1762200
 Ion Ratio Lower Upper
 63 100
 106 30.3 23.0 34.4





#59

2-Hexanone

Concen: 406.135 ug/l

RT: 11.53 min Scan# 1026

Delta R.T. 0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

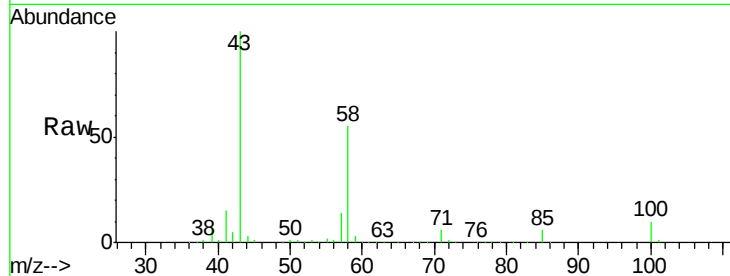
VSTDIC100

Tot Ion: 43 Resp: 1720328

Ion Ratio Lower Upper

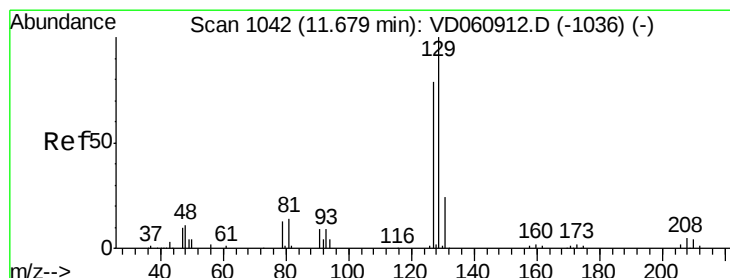
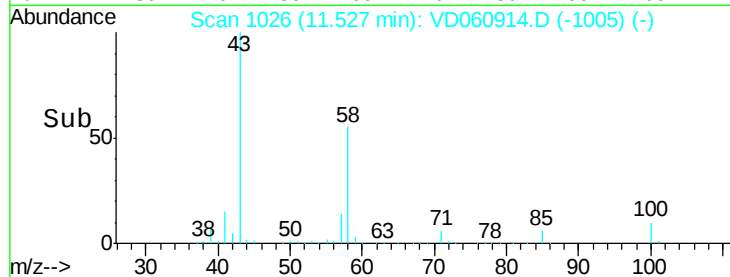
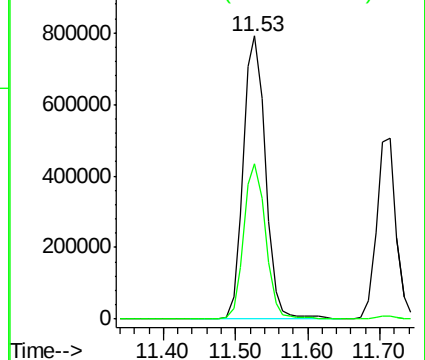
43 100

58 54.8 25.4 76.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 101.637 ug/l

RT: 11.67 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VD060914.D

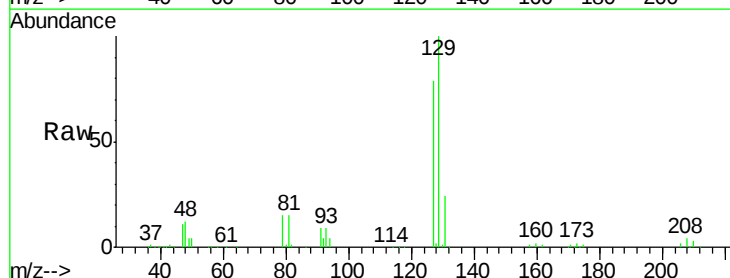
Acq: 1 Mar 2019 17:31

Tgt Ion:129 Resp: 968482

Ion Ratio Lower Upper

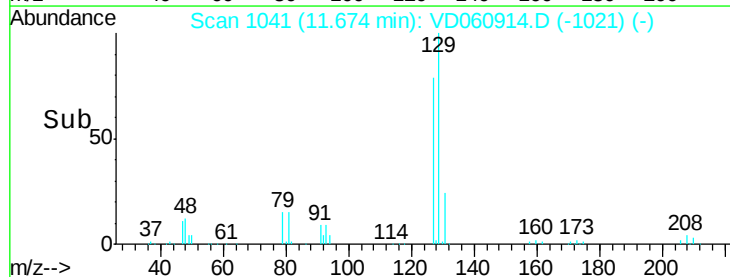
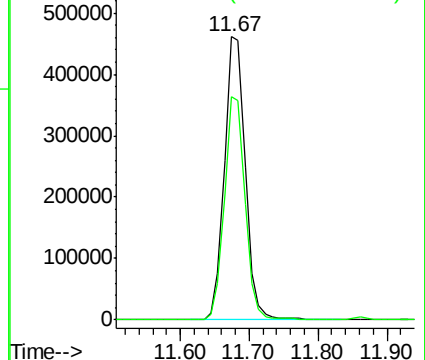
129 100

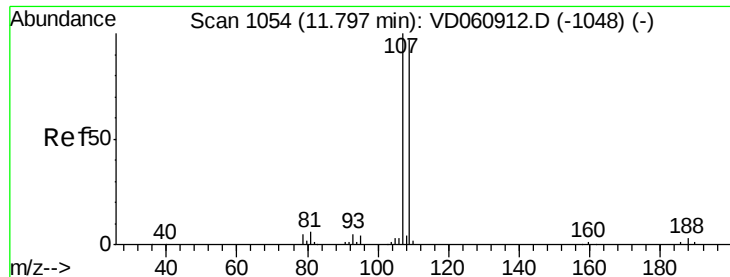
127 78.7 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

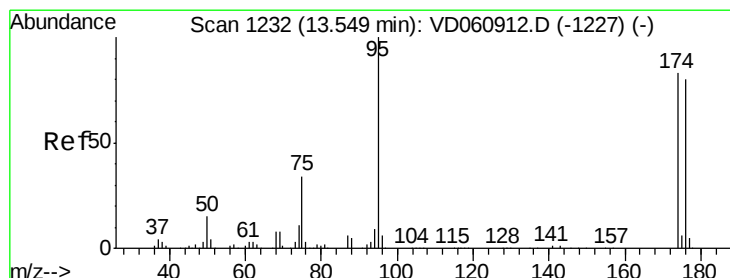
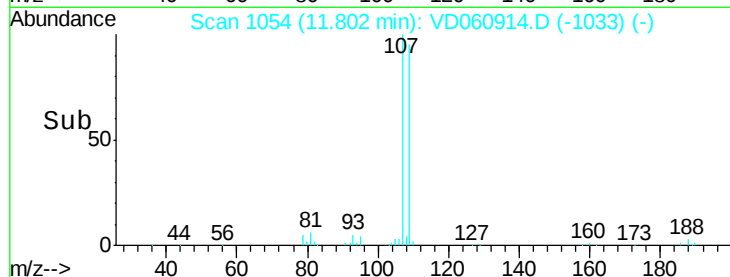
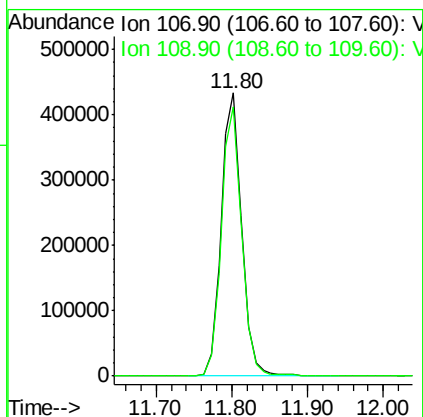
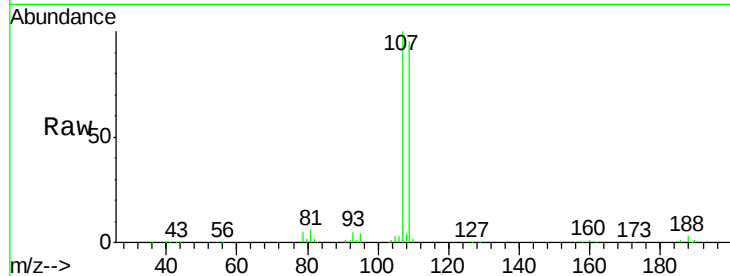




#61
 1,2-Dibromoethane
 Concen: 108.249 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

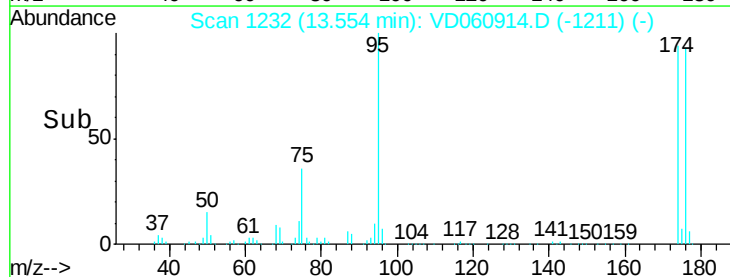
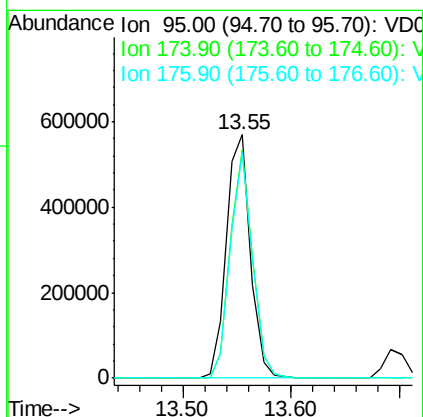
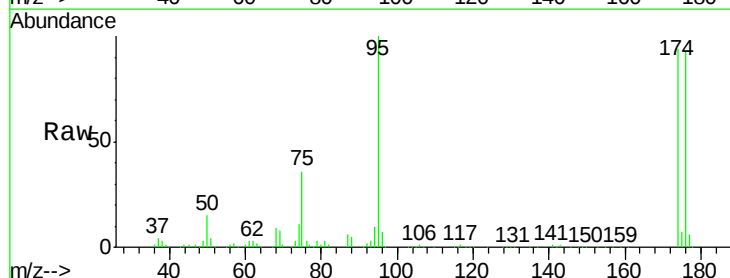
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

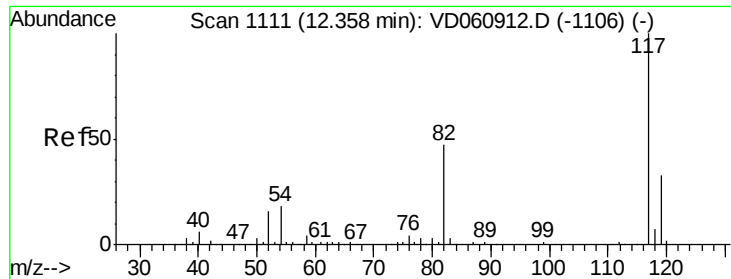
Tot Ion: 107 Resp: 812596
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 108.249 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

Tgt Ion: 95 Resp: 880209
 Ion Ratio Lower Upper
 95 100
 174 93.9 0.0 207.2
 176 92.6 0.0 198.4

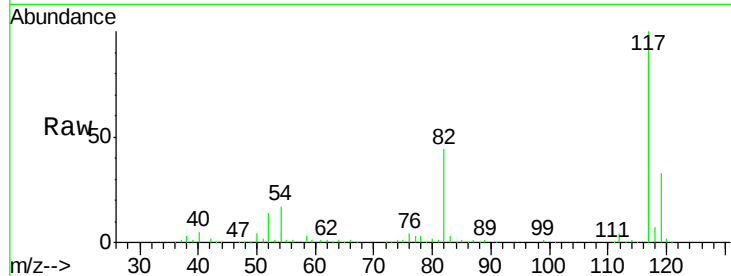




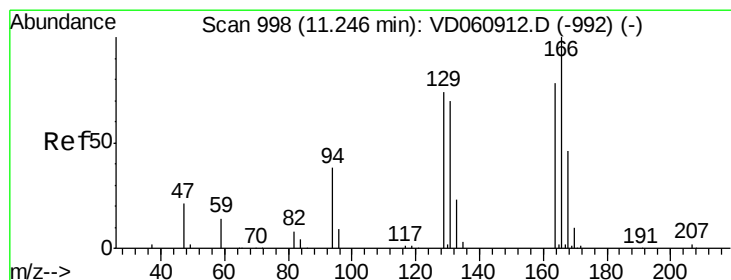
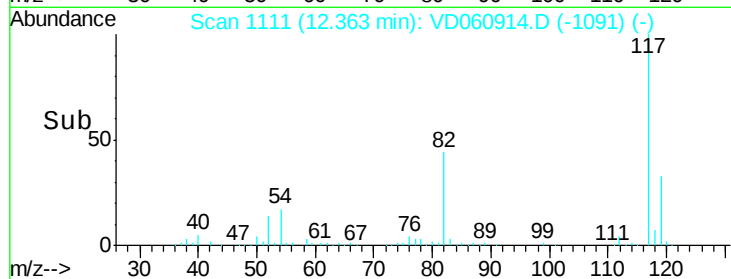
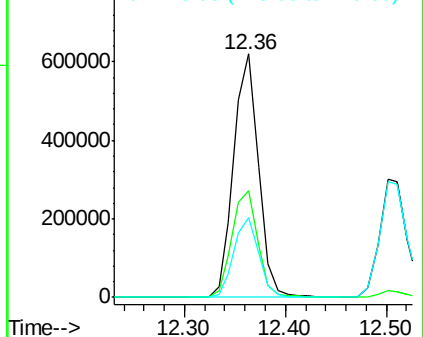
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 1060657
Ion Ratio Lower Upper
117 100
82 44.1 45.5 68.3#
119 32.8 25.7 38.5

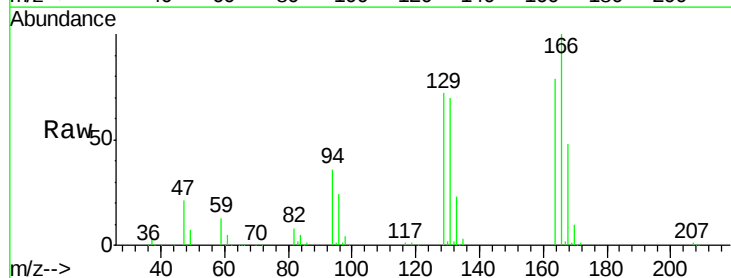


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

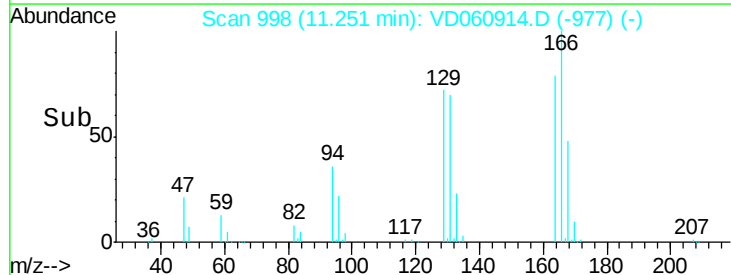
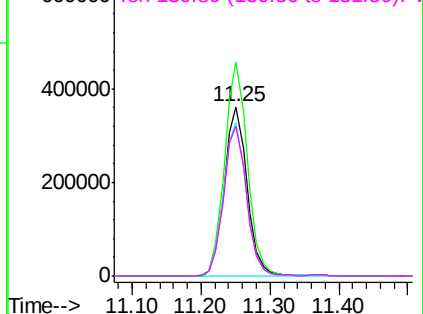


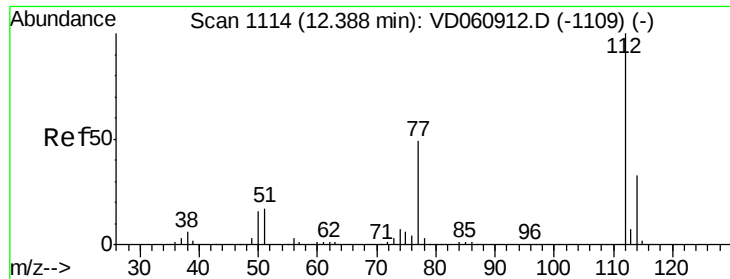
#64
Tetrachloroethene
Concen: 87.535 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion:164 Resp: 829579
Ion Ratio Lower Upper
164 100
166 126.1 101.9 152.9
129 90.4 63.0 94.4
131 88.6 63.1 94.7



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





#65

Chlorobenzene

Concen: 105.070 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

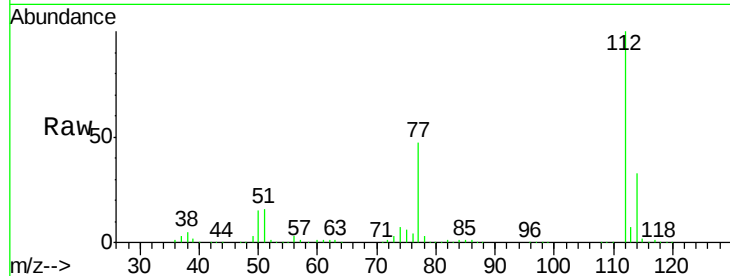
VSTDIC100

Tot Ion:112 Resp: 2258737

Ion Ratio Lower Upper

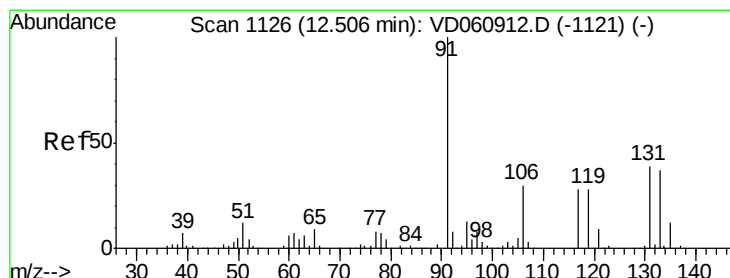
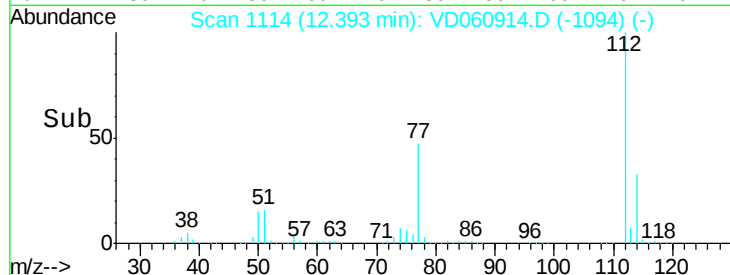
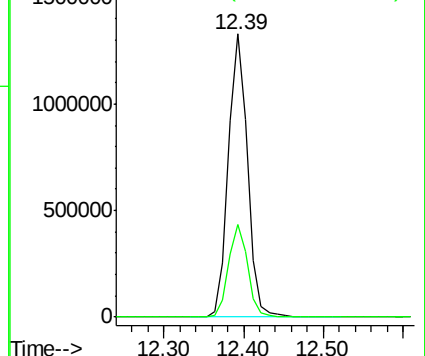
112 100

114 32.8 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 92.609 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

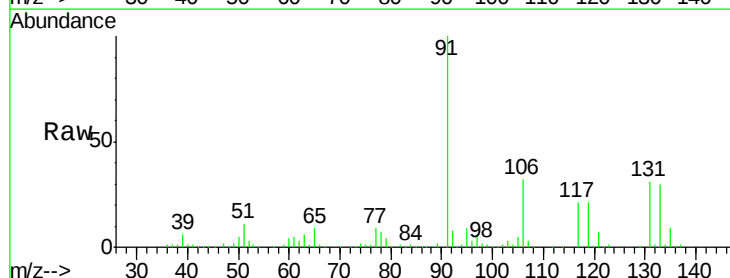
Tgt Ion:131 Resp: 792246

Ion Ratio Lower Upper

131 100

133 96.8 48.5 145.6

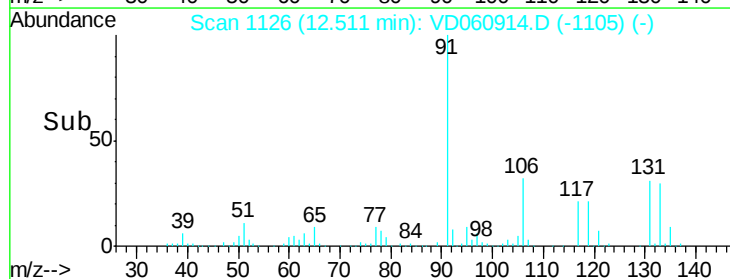
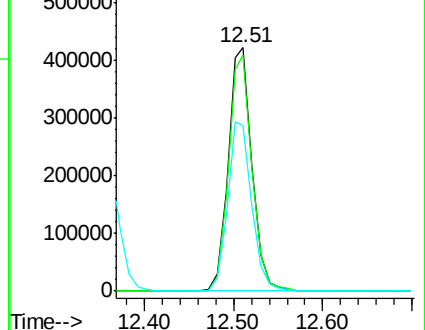
119 68.0 32.8 98.3

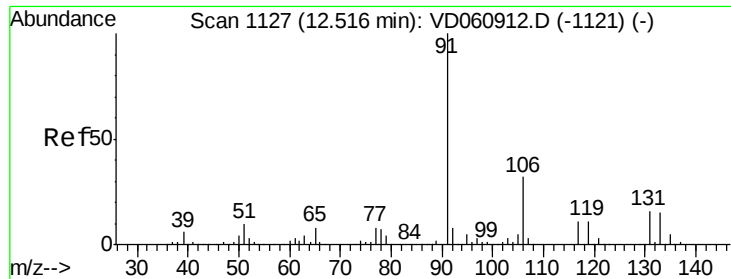


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

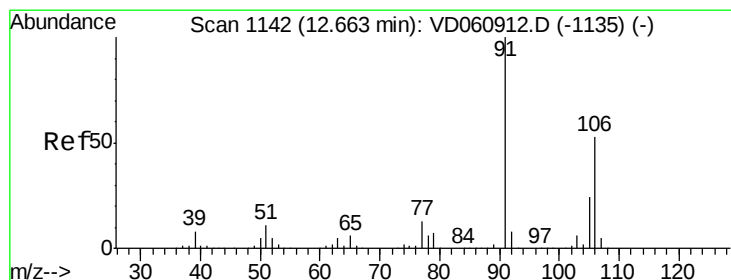
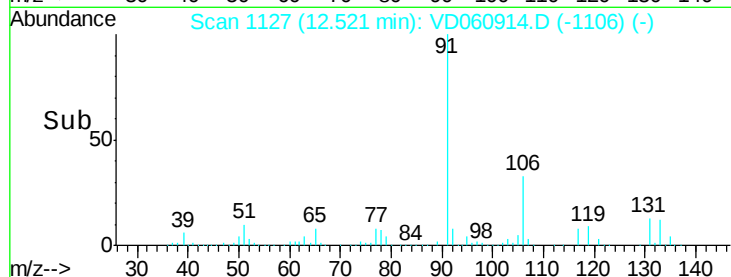
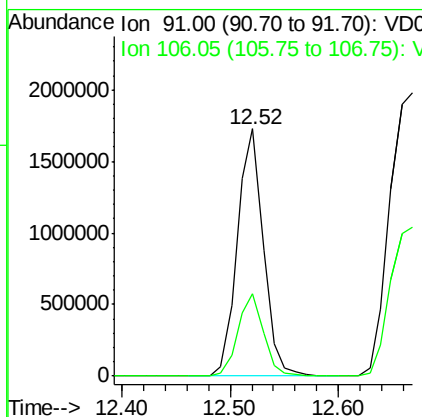
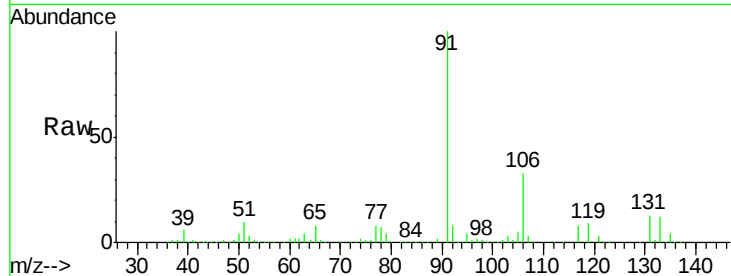




#67
Ethyl Benzene
Concen: 79.079 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

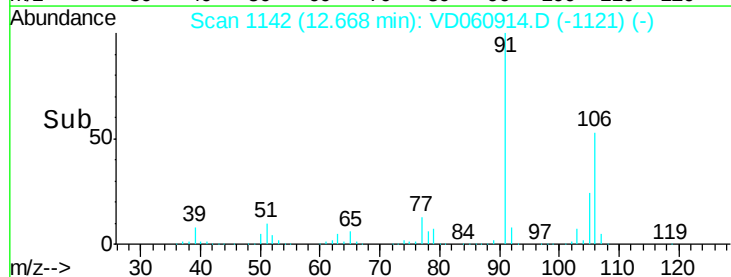
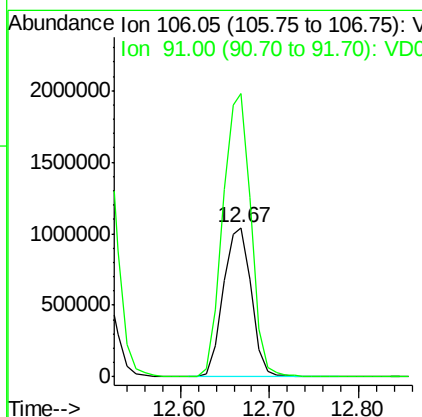
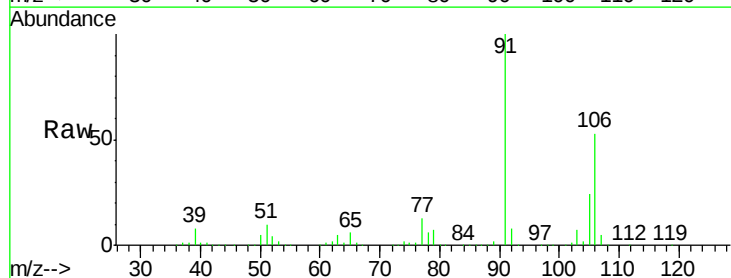
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

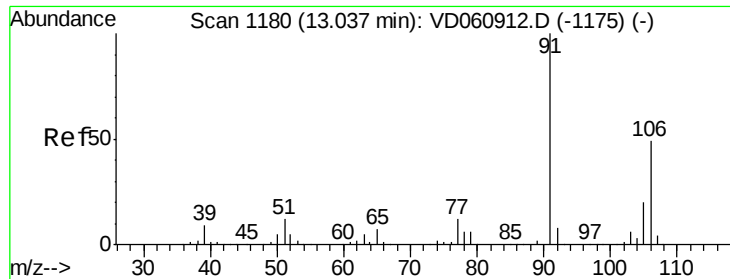
Tot Ion: 91 Resp: 2893492
Ion Ratio Lower Upper
91 100
106 33.1 22.2 33.2



#68
m/p-Xylenes
Concen: 177.517 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion: 106 Resp: 2295771
Ion Ratio Lower Upper
106 100
91 189.9 174.2 261.2

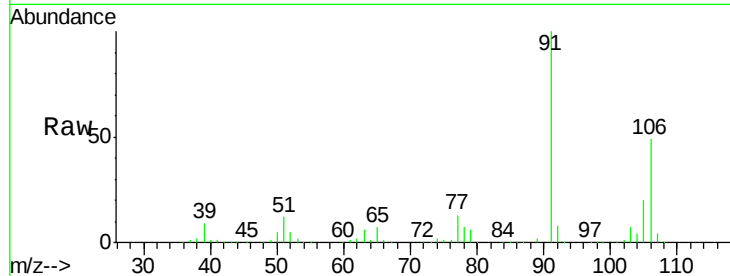




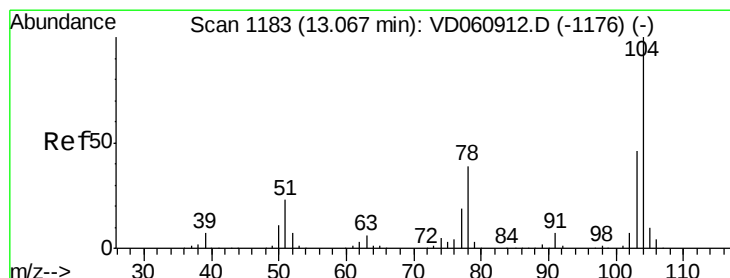
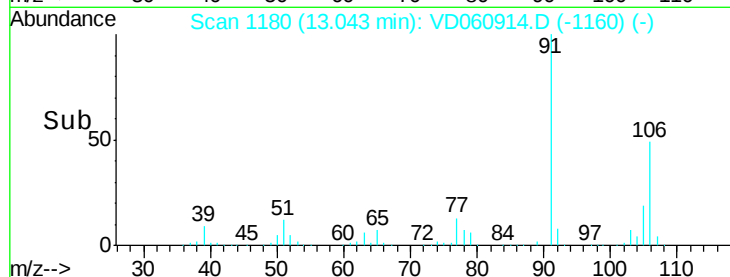
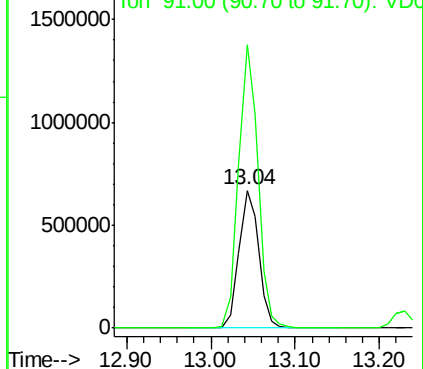
#69
o-Xylene
Concen: 87.890 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1094715
Ion Ratio Lower Upper
106 100
91 205.9 116.9 350.7

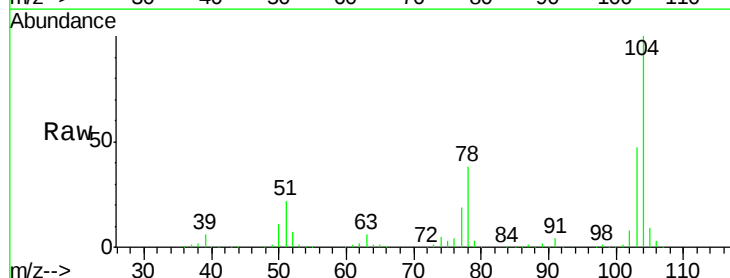


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

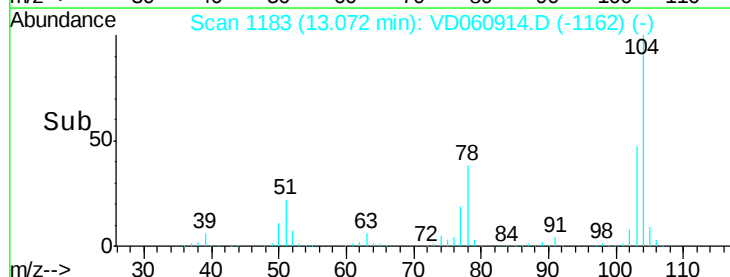
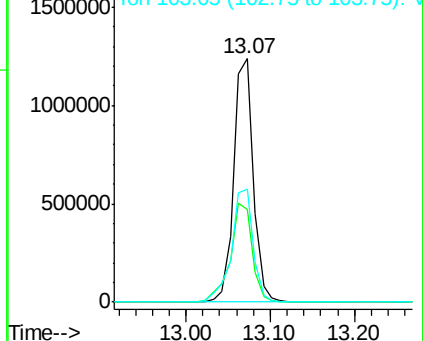


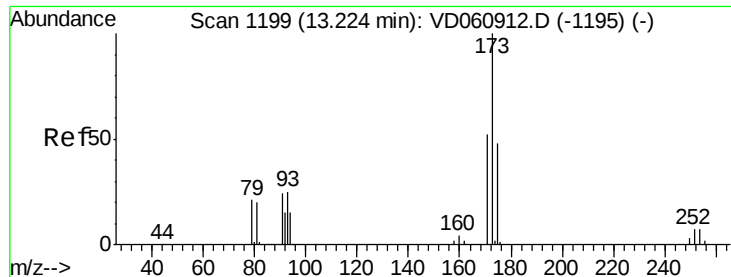
#70
Styrene
Concen: 95.190 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion:104 Resp: 1992712
Ion Ratio Lower Upper
104 100
78 38.1 34.6 51.8
103 46.6 36.3 54.5



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

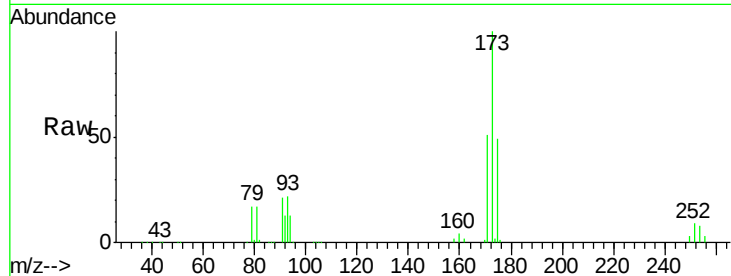




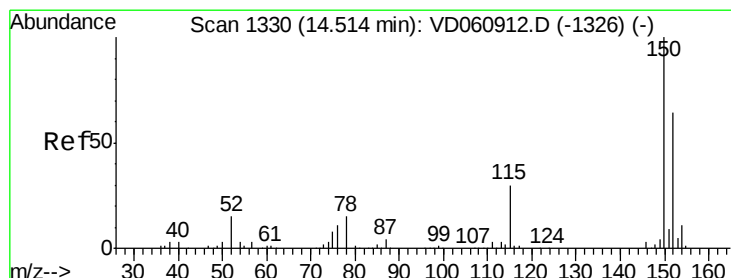
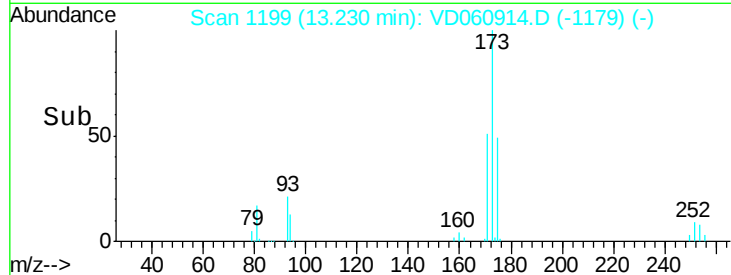
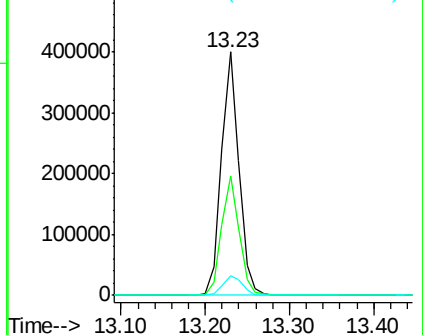
#71
Bromoform
Concen: 85.090 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:173 Resp: 578875
Ion Ratio Lower Upper
173 100
175 49.0 24.6 73.8
254 8.1 6.0 9.0

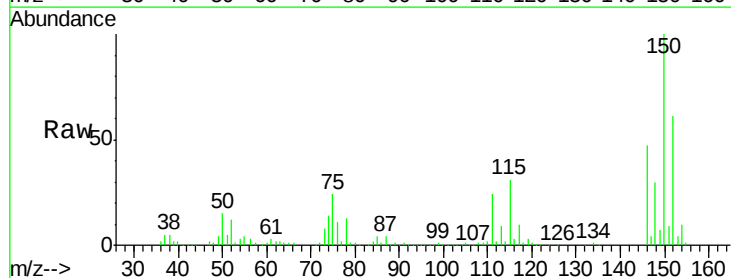


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

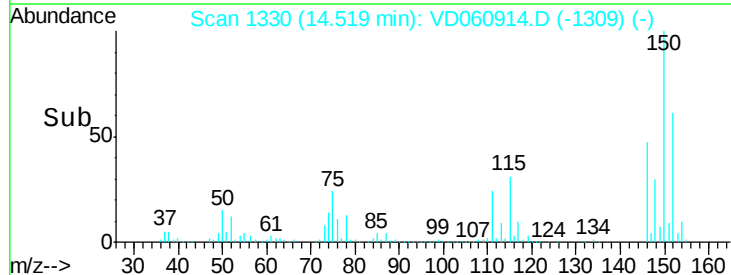
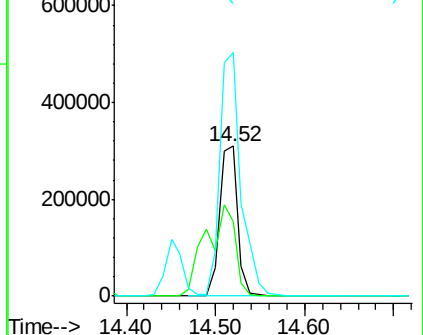


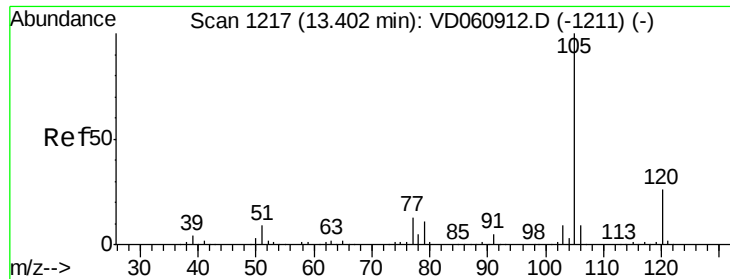
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion:152 Resp: 441740
Ion Ratio Lower Upper
152 100
115 50.2 24.4 73.2
150 162.8 0.0 311.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 129.104 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

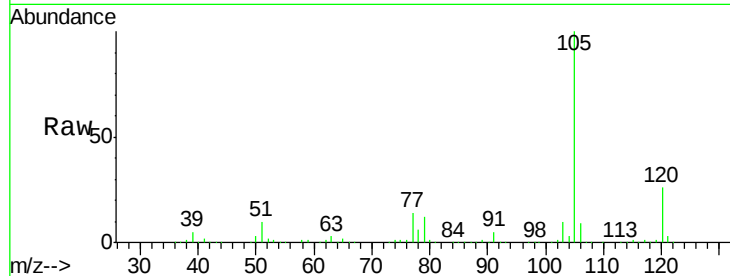
VSTDIC100

Tot Ion:105 Resp: 3337068

Ion Ratio Lower Upper

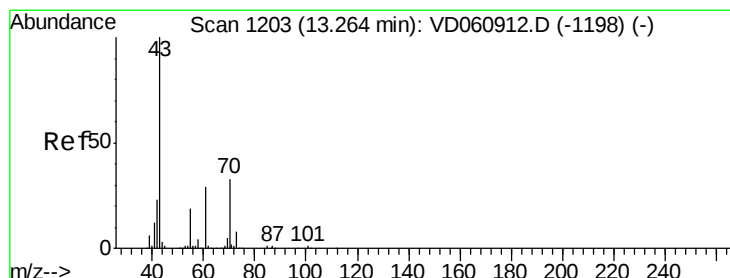
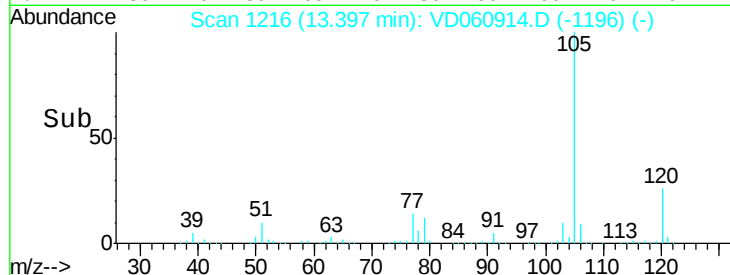
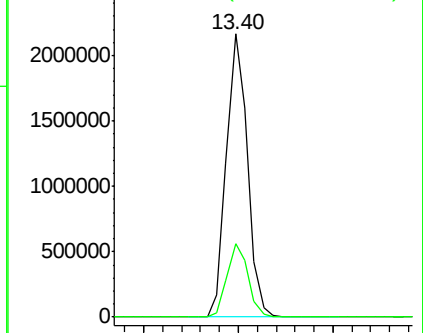
105 100

120 26.2 12.2 36.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 125.906 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Tgt Ion: 43 Resp: 1124785

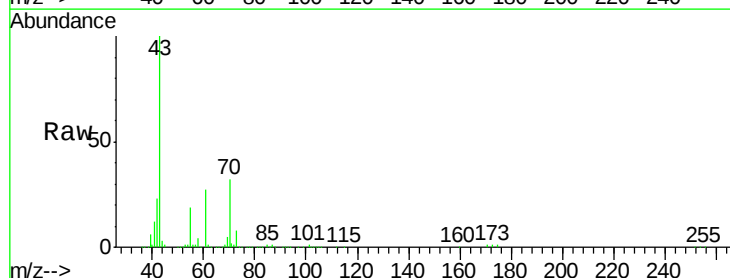
Ion Ratio Lower Upper

43 100

70 32.2 26.8 40.2

55 19.2 14.2 21.4

61 27.0 20.6 31.0

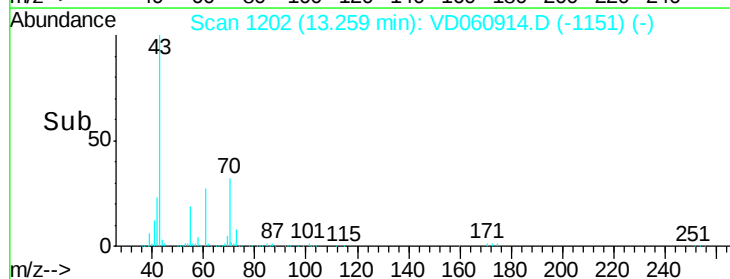
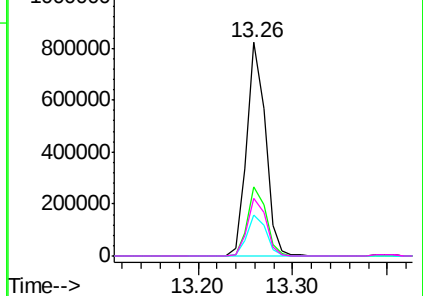


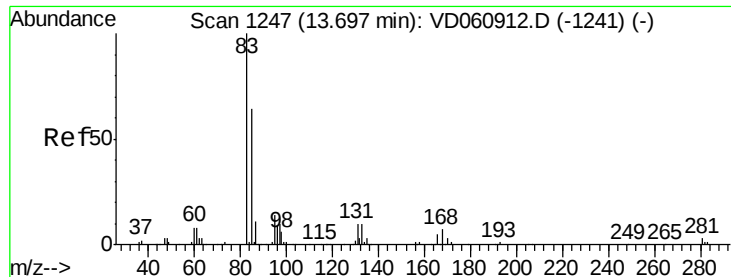
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 115.493 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

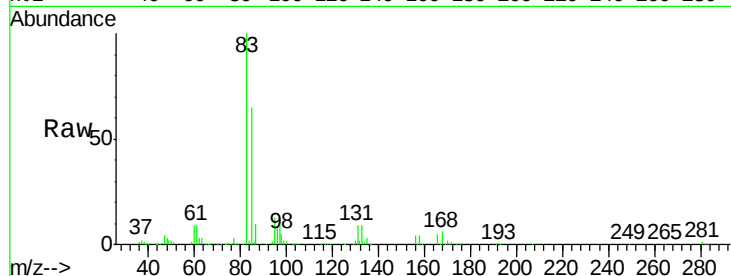
Tot Ion: 83 Resp: 735222

Ion Ratio Lower Upper

83 100

131 9.3 4.9 14.6

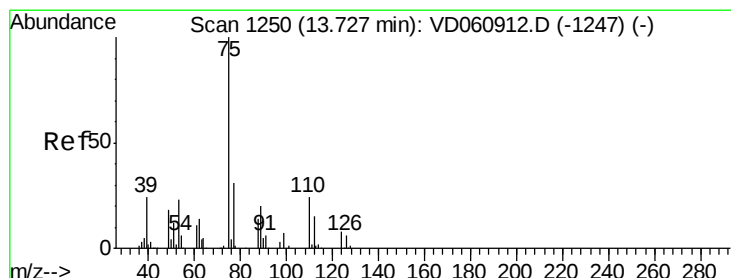
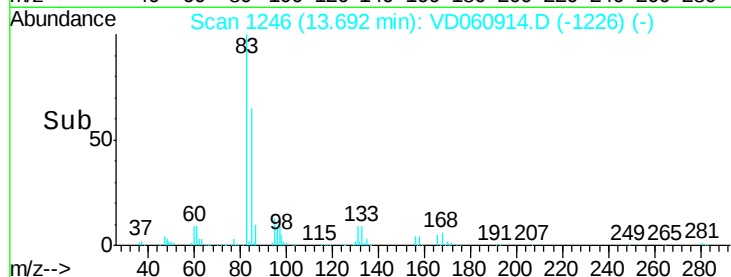
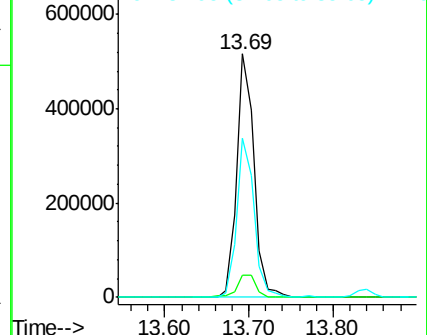
85 65.4 31.9 95.9



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: 113.556 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD060914.D

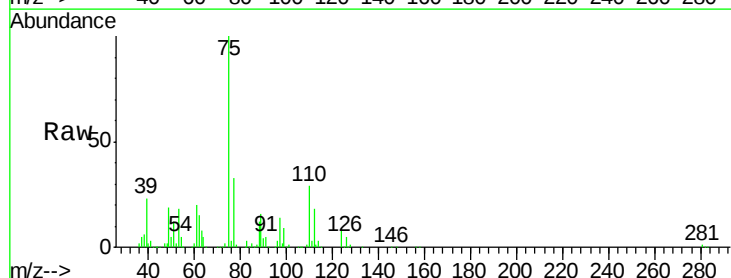
Acq: 1 Mar 2019 17:31

Tgt Ion: 75 Resp: 746407

Ion Ratio Lower Upper

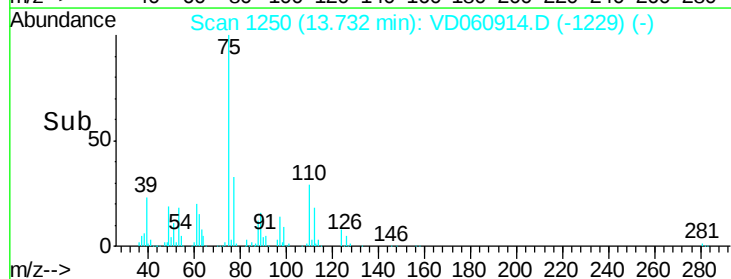
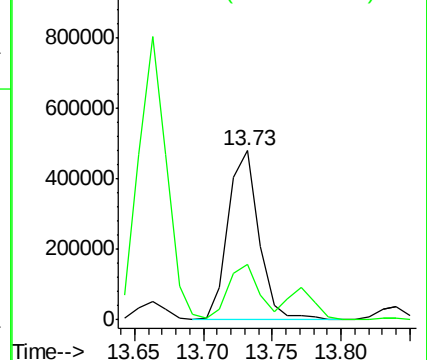
75 100

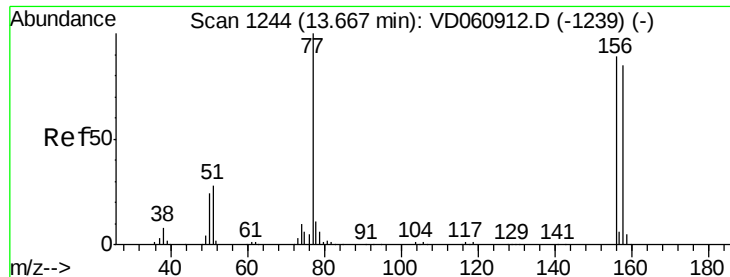
77 32.5 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 111.260 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

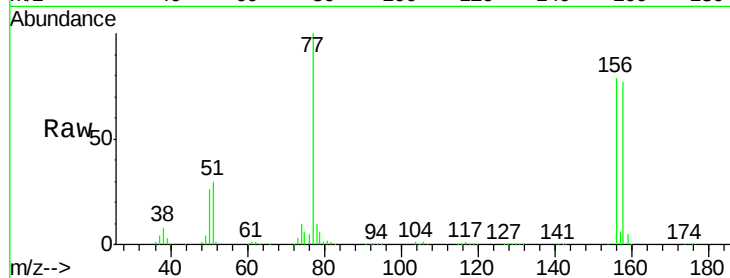
Tot Ion:156 Resp: 925560

Ion Ratio Lower Upper

156 100

77 126.7 67.4 202.2

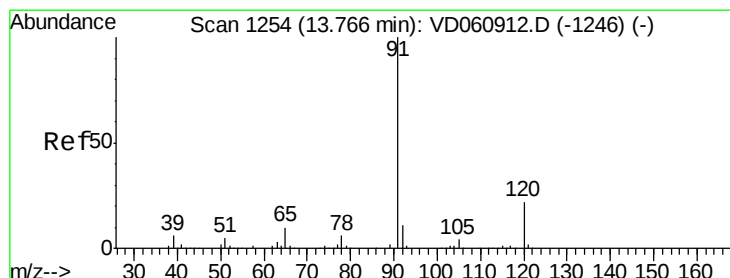
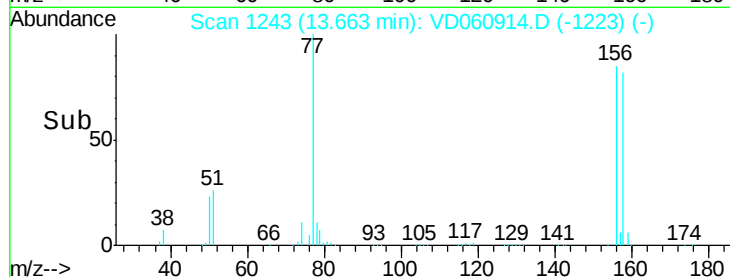
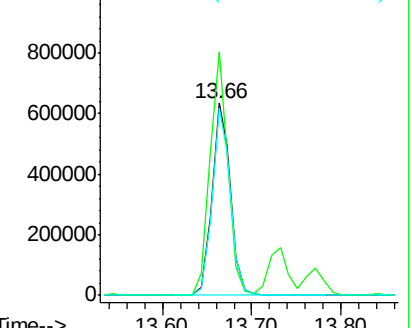
158 97.3 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 103.407 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD060914.D

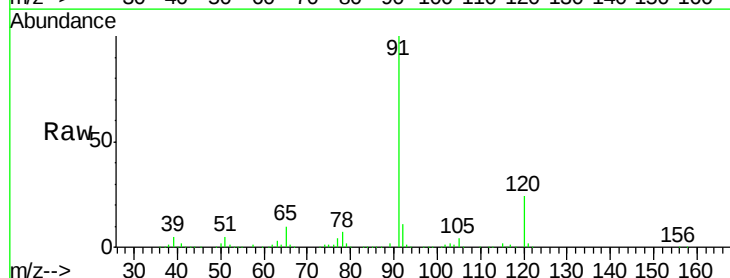
Acq: 1 Mar 2019 17:31

Tgt Ion: 91 Resp: 3566422

Ion Ratio Lower Upper

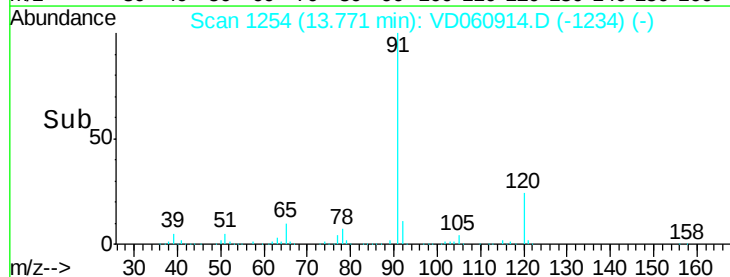
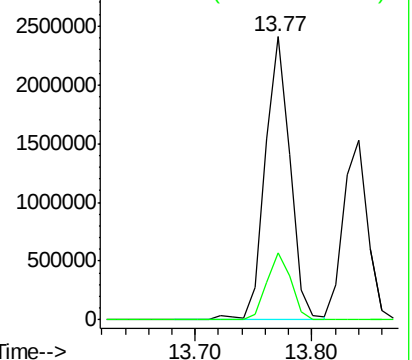
91 100

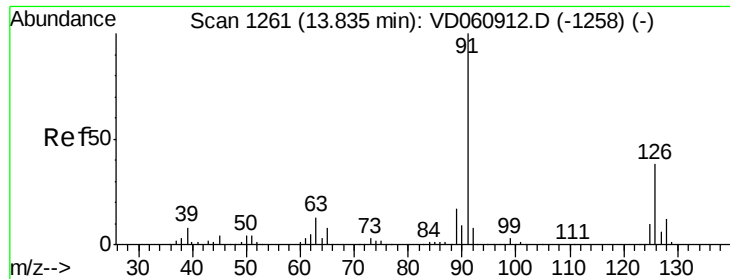
120 23.8 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

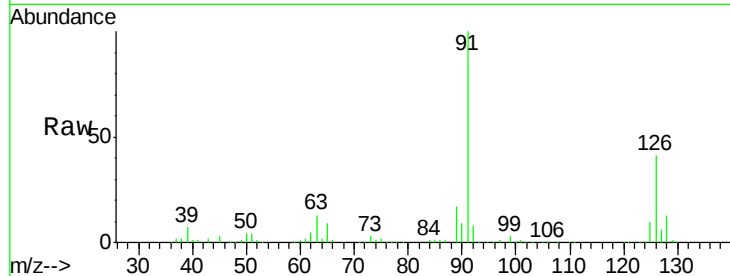




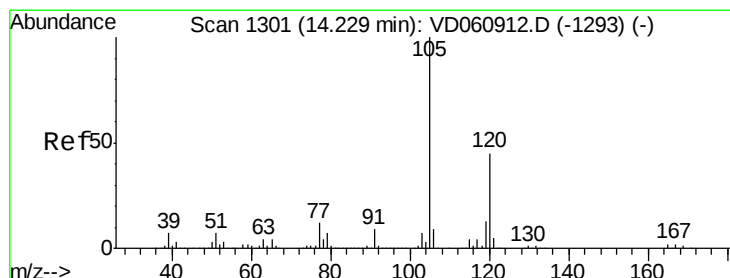
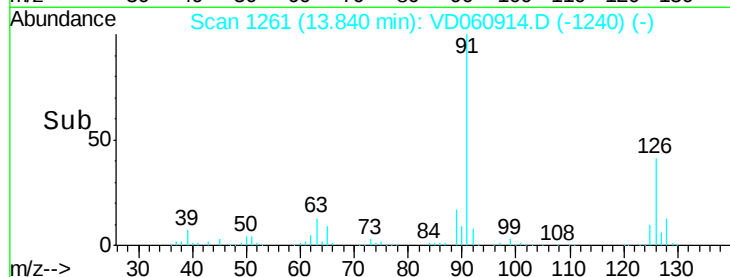
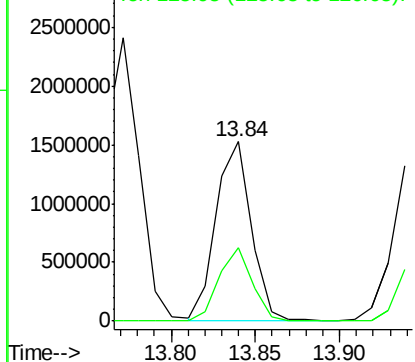
#79
 2-Chlorotoluene
 Concen: 111.932 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 2207985
 Ion Ratio Lower Upper
 91 100
 126 41.1 17.4 52.2

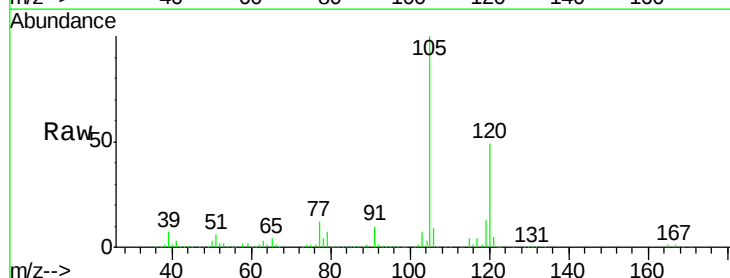


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

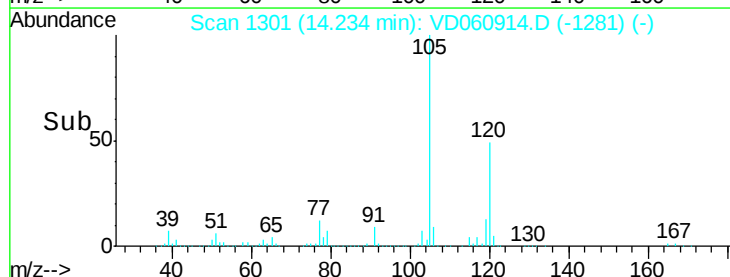
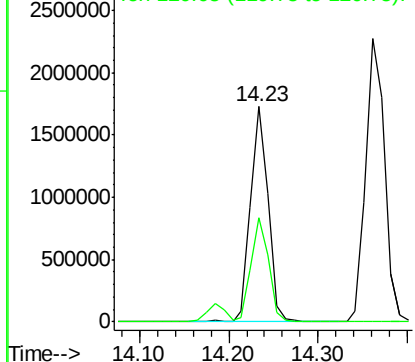


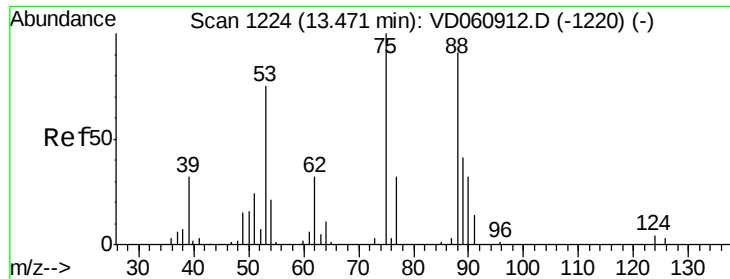
#80
 1,3,5-Trimethylbenzene
 Concen: 110.130 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

Tgt Ion:105 Resp: 2339504
 Ion Ratio Lower Upper
 105 100
 120 48.6 22.8 68.4



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

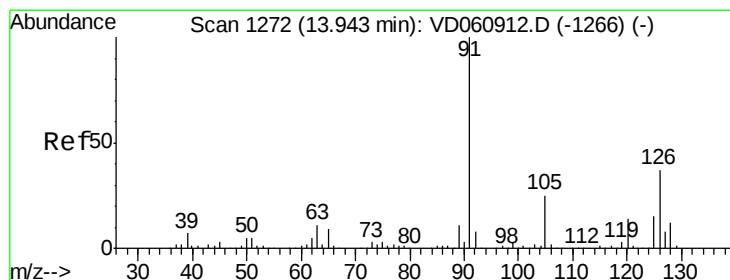
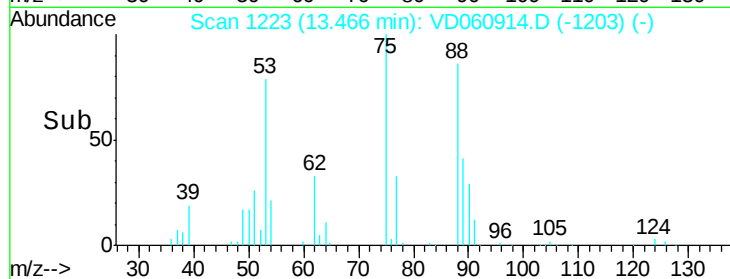
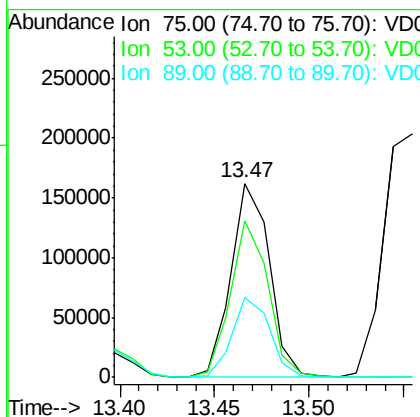
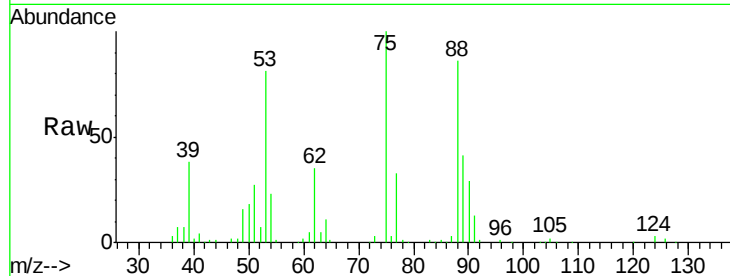




#81
trans-1,4-Dichloro-2-butene
Concen: 109.250 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

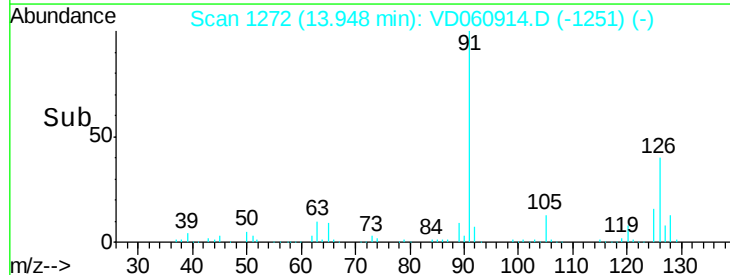
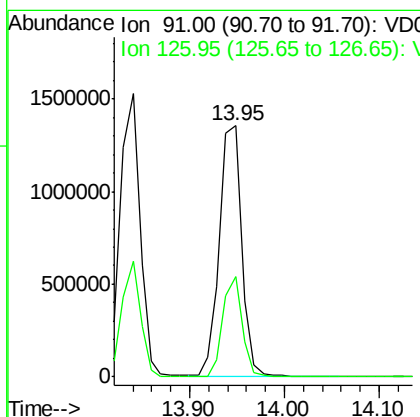
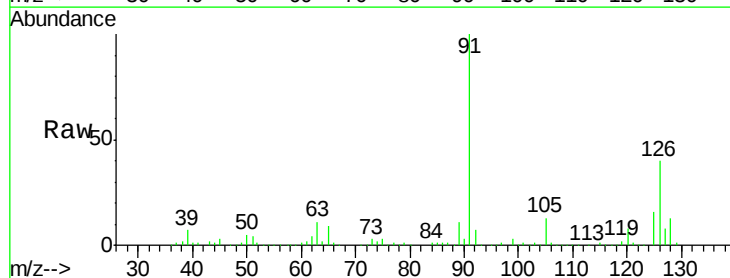
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

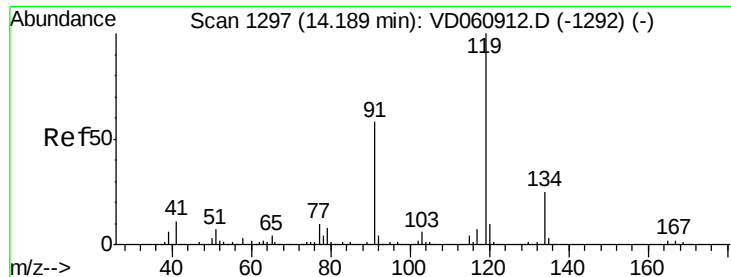
Tot Ion: 75 Resp: 228800
Ion Ratio Lower Upper
75 100
53 80.6 60.2 90.4
89 41.2 32.6 49.0



#82
4-Chlorotoluene
Concen: 102.721 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion: 91 Resp: 2223089
Ion Ratio Lower Upper
91 100
126 40.1 16.9 50.7





#83

tert-Butylbenzene

Concen: 112.813 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

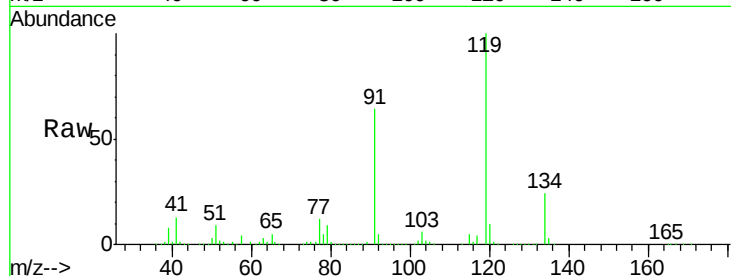
Tot Ion:119 Resp: 2767444

Ion Ratio Lower Upper

119 100

91 64.1 34.2 102.5

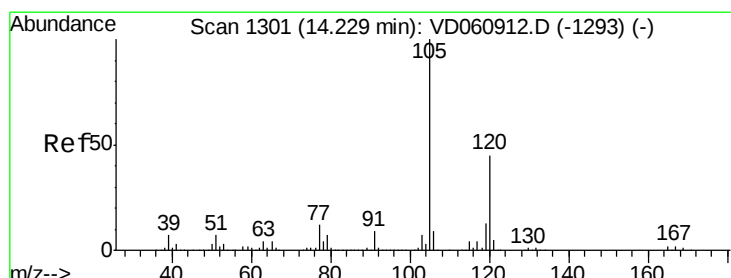
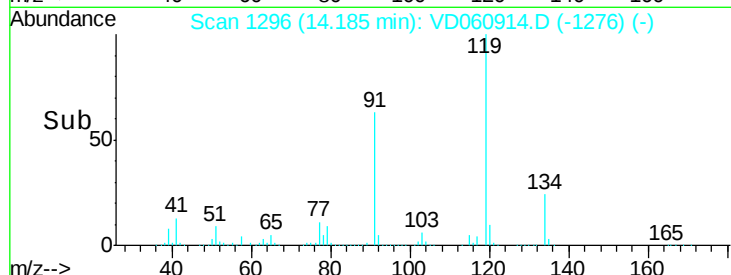
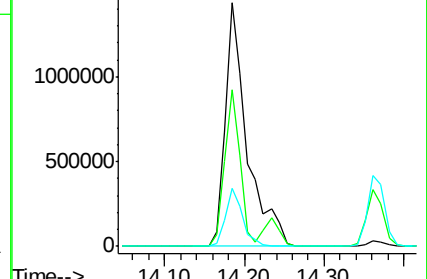
134 23.7 12.9 38.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 110.130 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD060914.D

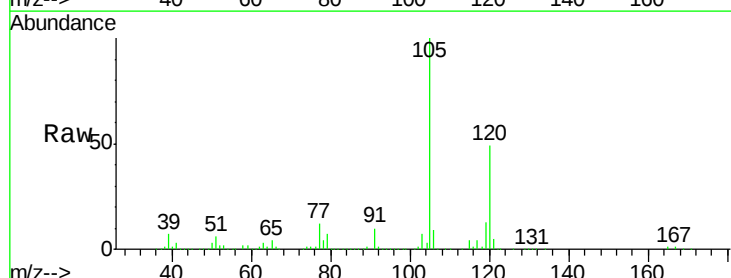
Acq: 1 Mar 2019 17:31

Tgt Ion:105 Resp: 2339504

Ion Ratio Lower Upper

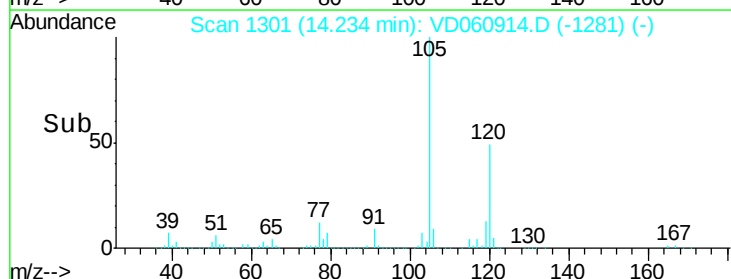
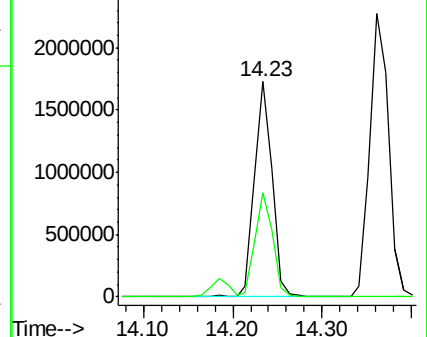
105 100

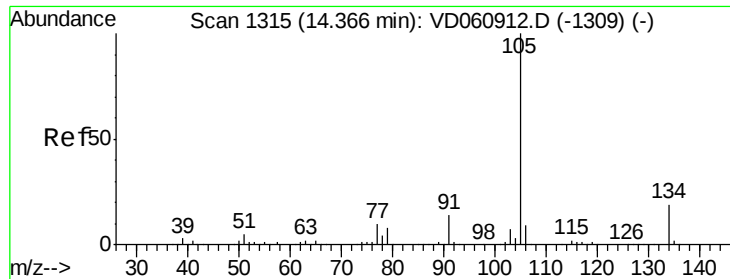
120 48.6 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 120.058 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

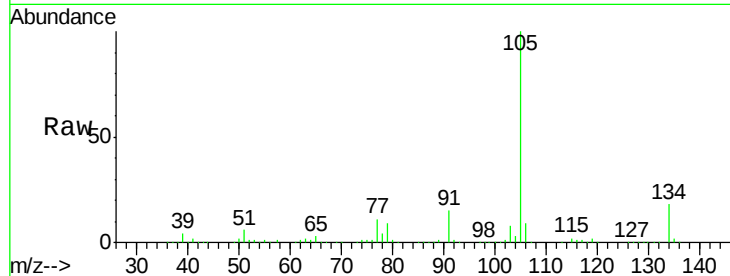
VSTDIC100

Tot Ion:105 Resp: 3288018

Ion Ratio Lower Upper

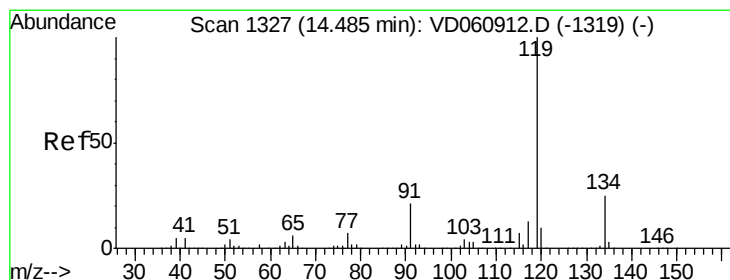
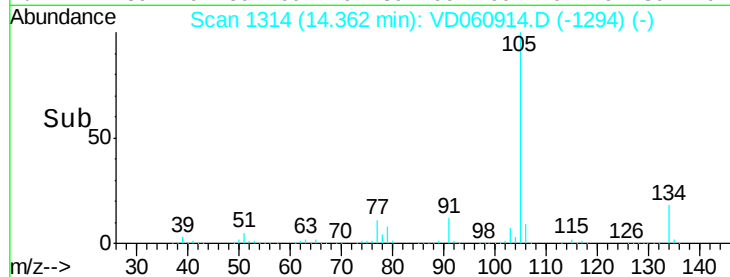
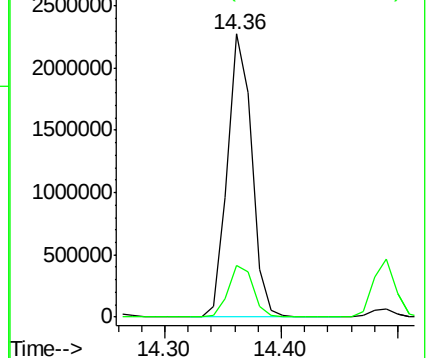
105 100

134 18.5 10.1 30.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 110.414 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

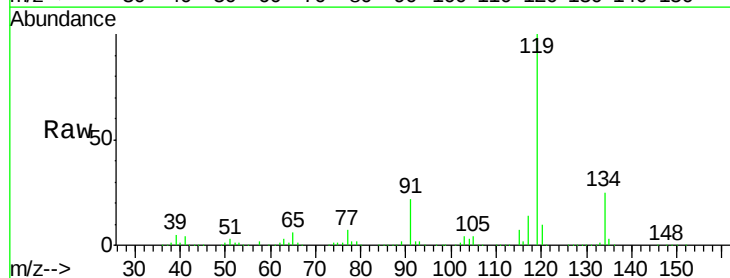
Tgt Ion:119 Resp: 2539358

Ion Ratio Lower Upper

119 100

134 25.0 12.9 38.7

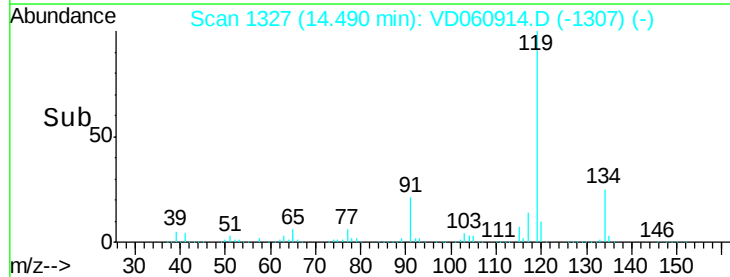
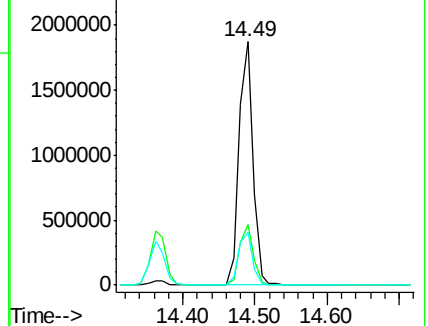
91 21.6 12.6 37.8

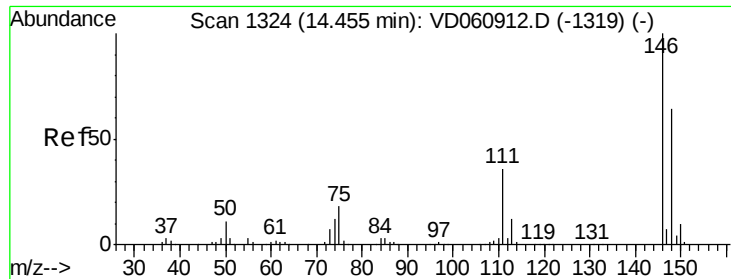


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

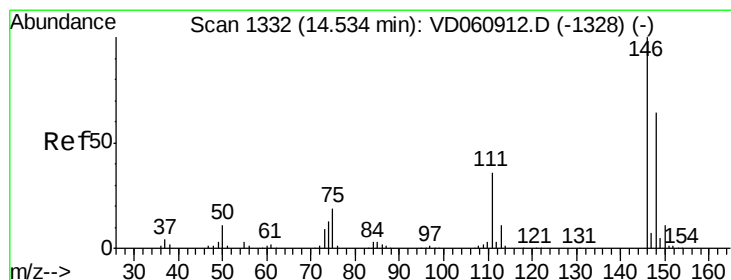
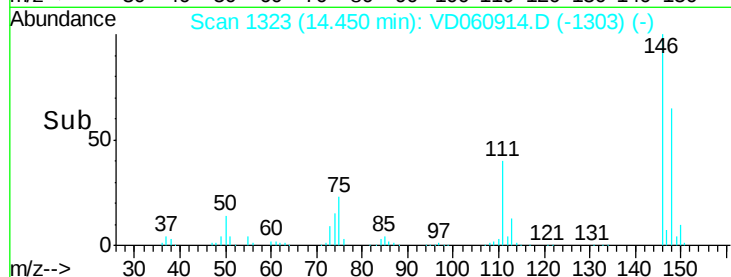
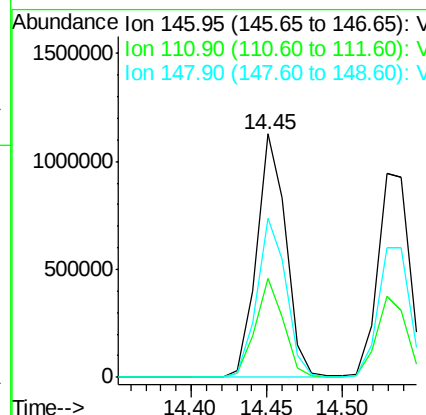
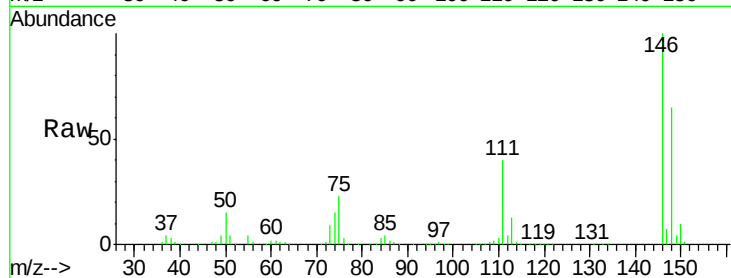




#87
 1,3-Dichlorobenzene
 Concen: 99.876 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

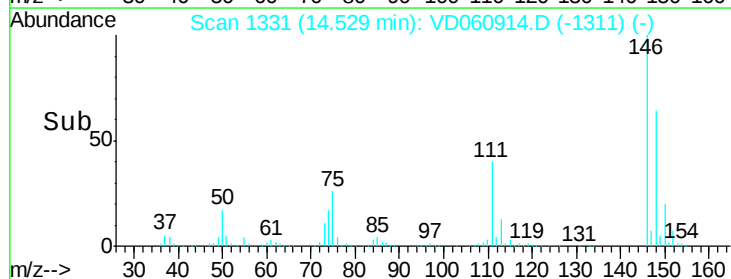
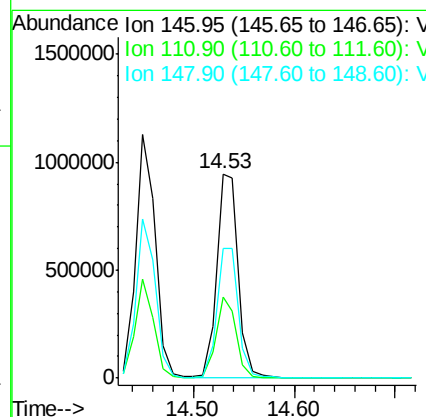
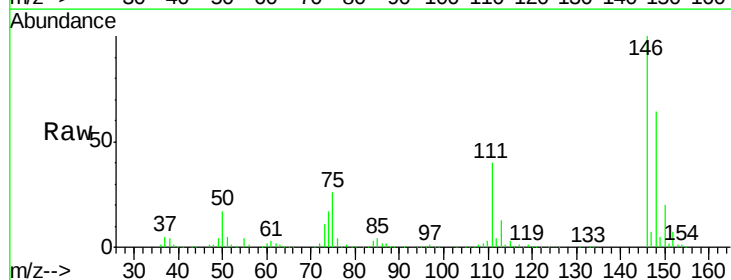
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

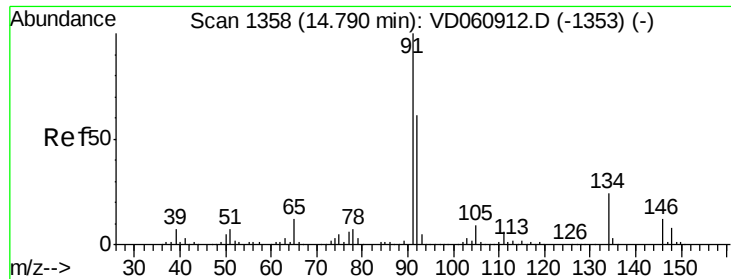
Tot Ion:146 Resp: 1519579
 Ion Ratio Lower Upper
 146 100
 111 40.4 15.9 47.6
 148 65.4 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 96.059 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

Tgt Ion:146 Resp: 1411506
 Ion Ratio Lower Upper
 146 100
 111 40.0 15.9 47.7
 148 63.7 32.6 97.8

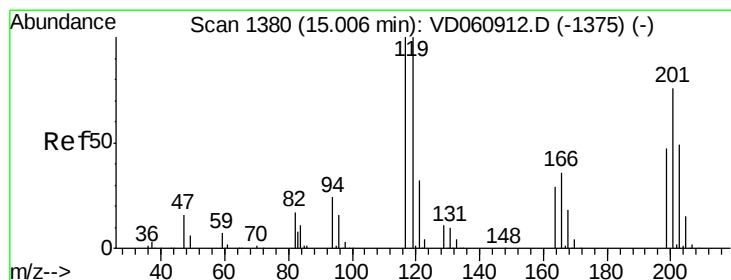
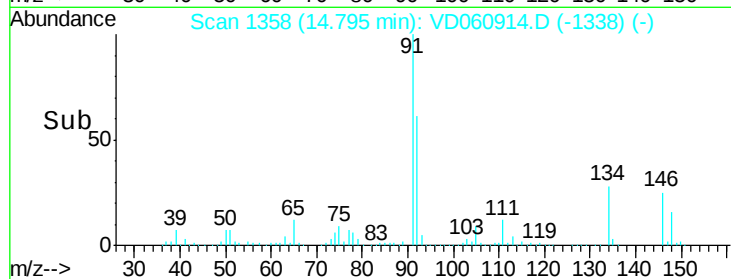
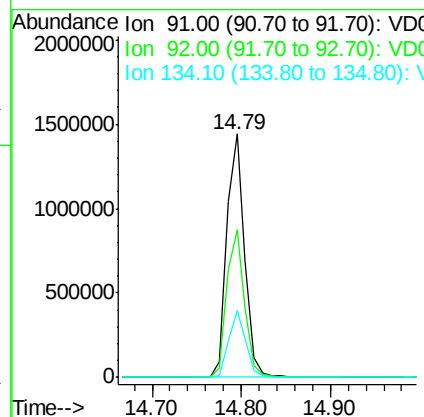
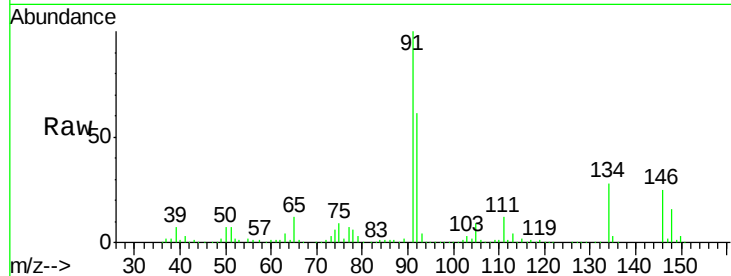




#89
n-Butylbenzene
Concen: 85.030 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

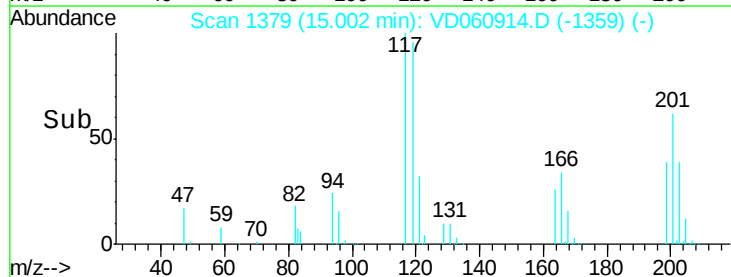
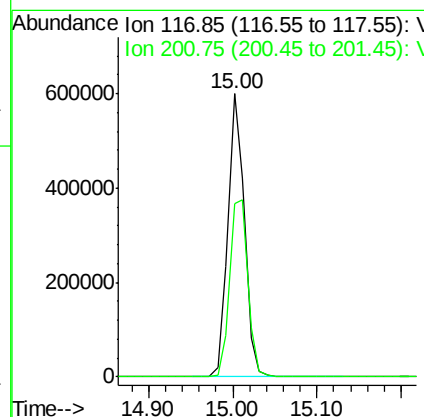
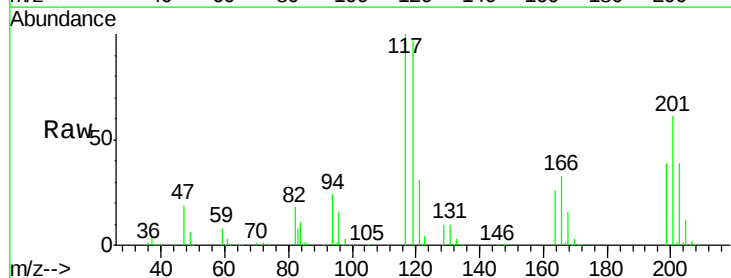
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

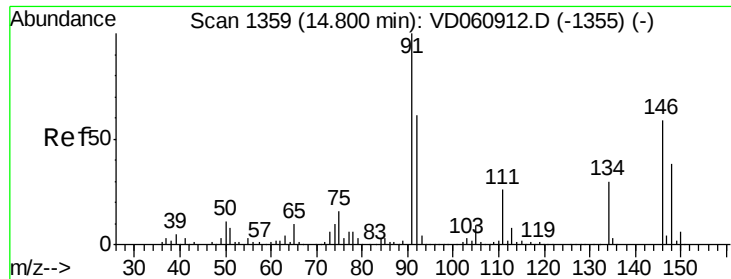
Tot Ion: 91 Resp: 2025998
Ion Ratio Lower Upper
91 100
92 60.8 30.4 91.2
134 27.7 14.1 42.2



#90
Hexachloroethane
Concen: 125.106 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD060914.D
Acq: 1 Mar 2019 17:31

Tgt Ion: 117 Resp: 816443
Ion Ratio Lower Upper
117 100
201 61.1 41.4 124.4

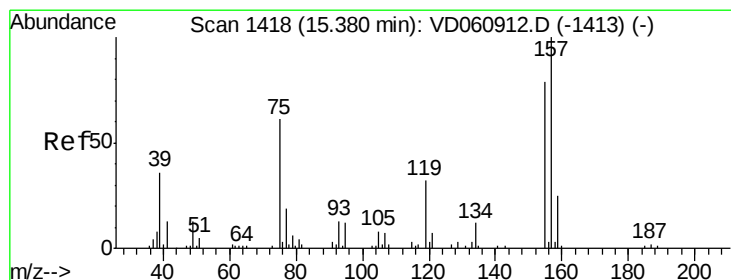
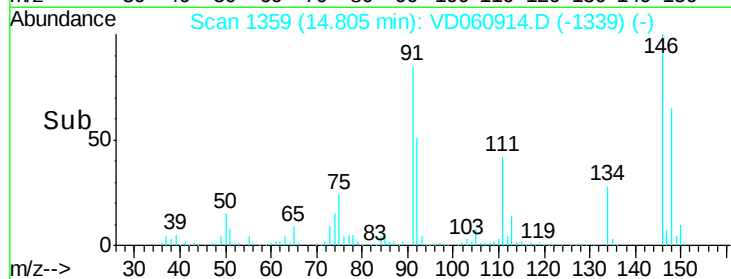
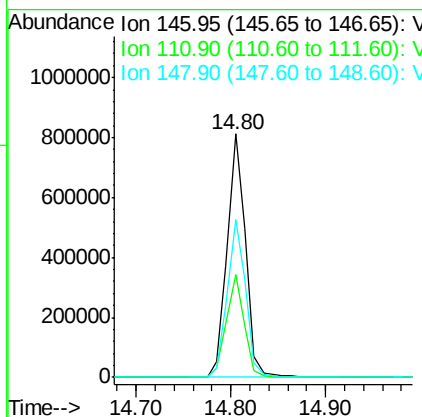
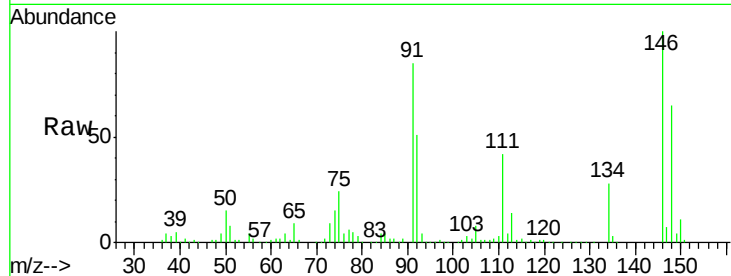




#91
 1,2-Dichlorobenzene
 Concen: 85.524 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

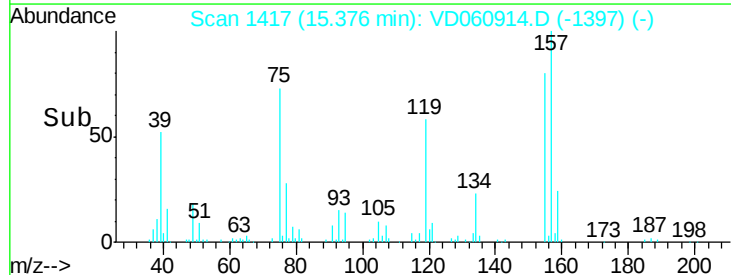
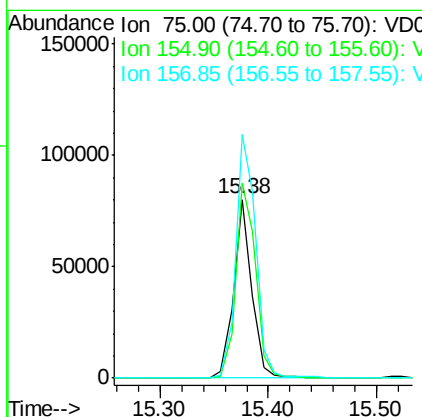
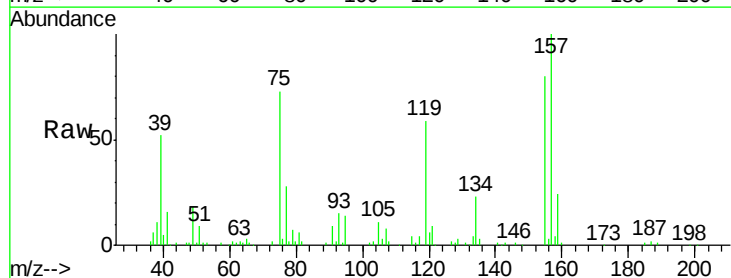
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

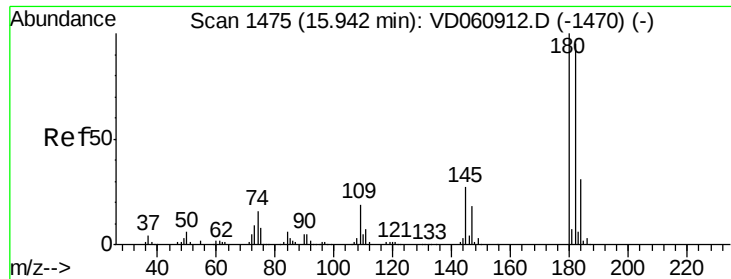
Tot Ion:146 Resp: 1083424
 Ion Ratio Lower Upper
 146 100
 111 42.4 16.7 50.1
 148 64.8 32.6 97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 104.958 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

Tgt Ion: 75 Resp: 93573
 Ion Ratio Lower Upper
 75 100
 155 109.6 58.6 175.8
 157 136.4 75.1 225.3

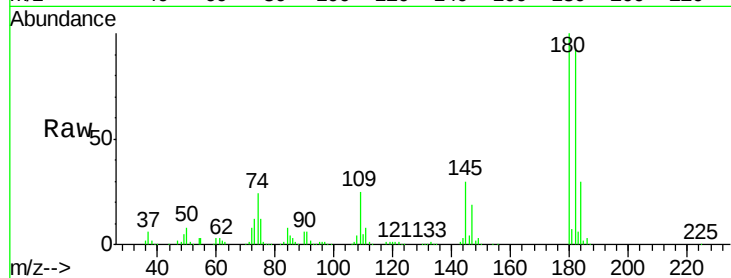




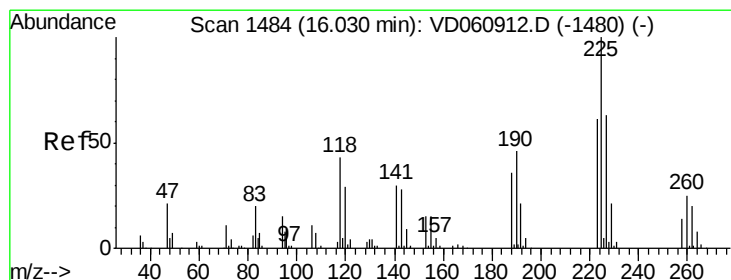
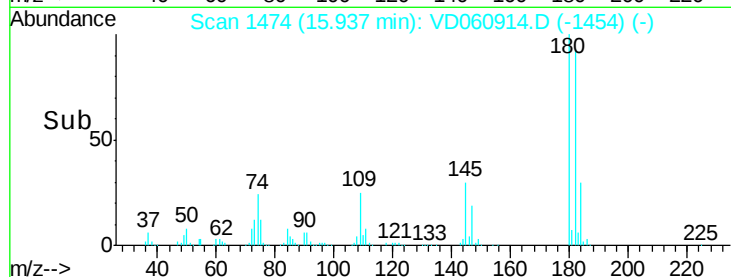
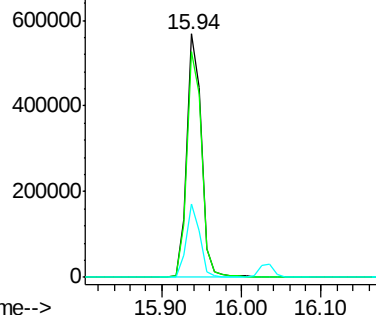
#93
 1,2,4-Trichlorobenzene
 Concen: 83.090 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 744919
 Ion Ratio Lower Upper
 180 100
 182 92.9 47.5 142.6
 145 30.3 14.3 42.9

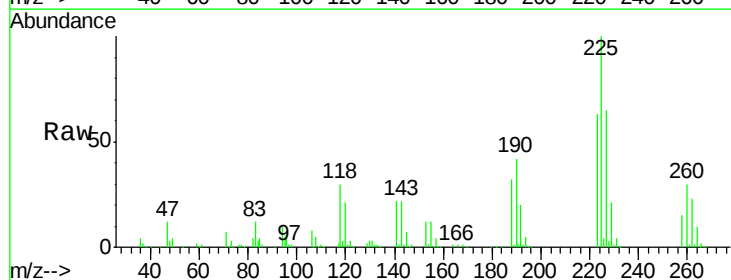


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

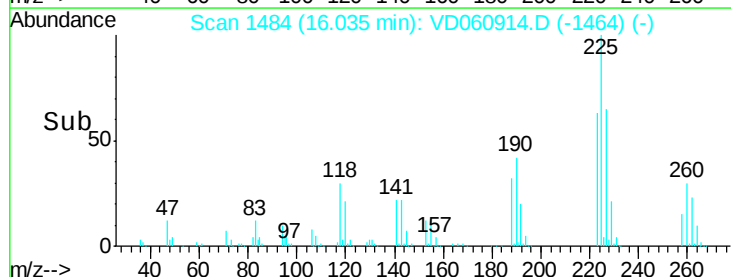
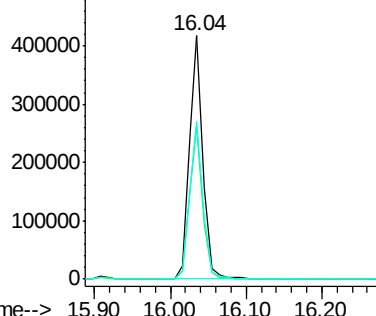


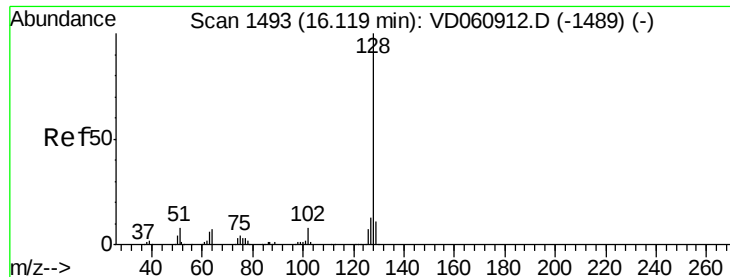
#94
 Hexachlorobutadiene
 Concen: 97.714 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD060914.D
 Acq: 1 Mar 2019 17:31

Tgt Ion:225 Resp: 525606
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.6 91.6
 227 64.8 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: 87.151 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

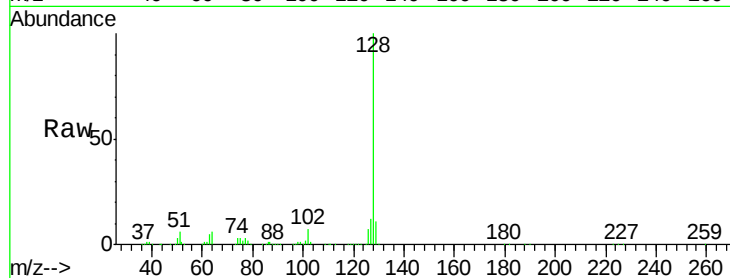
Tot Ion:128 Resp: 1177951

Ion Ratio Lower Upper

128 100

127 12.2 9.7 14.5

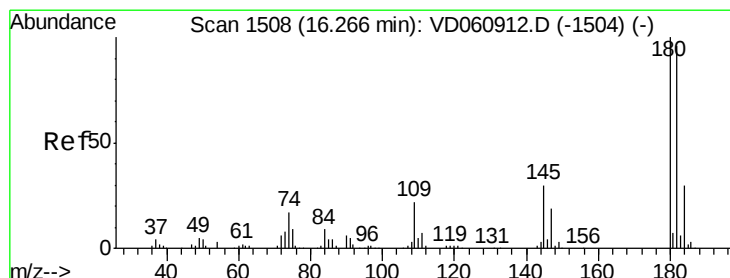
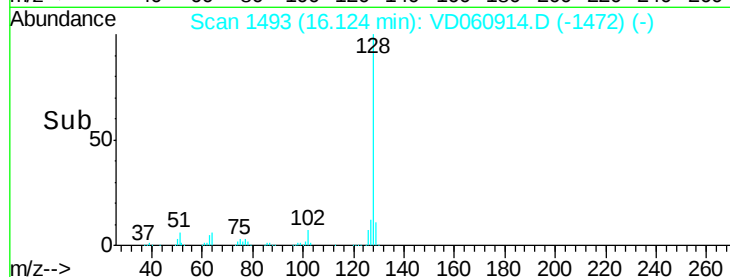
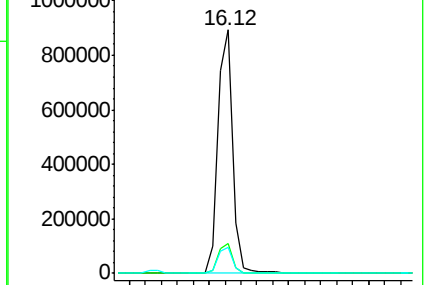
129 10.6 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.537 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD060914.D

Acq: 1 Mar 2019 17:31

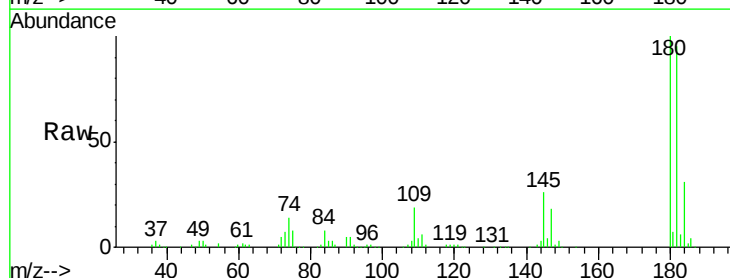
Tgt Ion:180 Resp: 375995

Ion Ratio Lower Upper

180 100

182 94.8 47.9 143.8

145 26.4 12.9 38.7



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

