

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061160.D
 Acq On : 18 Mar 2019 23:27
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 19 00:58:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	637859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1131338	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	967132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	375079	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	260446	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
35) Dibromofluoromethane	6.91	113	413960	49.30	ug/l	-0.01
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	10.40	98	991710	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
62) 4-Bromofluorobenzene	13.55	95	375048	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	271477	42.966	ug/l	98
3) Chloromethane	1.76	50	227017	43.131	ug/l	96
4) Vinyl Chloride	1.85	62	215680	44.346	ug/l	99
5) Bromomethane	2.15	94	44378	51.818	ug/l	94
6) Chloroethane	2.27	64	69418	47.685	ug/l #	89
7) Trichlorofluoromethane	2.53	101	293033	41.941	ug/l	98
8) Diethyl Ether	2.87	74	116644	50.607	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	376056	48.143	ug/l	98
10) Methyl Iodide	3.31	142	544086	50.545	ug/l	98
11) Tert butyl alcohol	4.06	59	91112	269.555	ug/l	96
12) 1,1-Dichloroethene	3.13	96	298848	46.675	ug/l	92
13) Acrolein	3.04	56	137628	281.408	ug/l	93
14) Allyl chloride	3.62	41	496902	48.505	ug/l	97
15) Acrylonitrile	4.19	53	314681	263.412	ug/l	98
16) Acetone	3.22	43	320289	210.955	ug/l	98
17) Carbon Disulfide	3.38	76	949486	43.960	ug/l	100
18) Methyl Acetate	3.64	43	181881	60.871	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	602183	53.666	ug/l	98
20) Methylene Chloride	3.81	84	364062	52.855	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	351591	50.733	ug/l	94
22) Diisopropyl ether	5.11	45	1058326	49.765	ug/l	99
23) Vinyl Acetate	5.04	43	2798265	256.321	ug/l	100
24) 1,1-Dichloroethane	4.97	63	614787	52.763	ug/l	99
25) 2-Butanone	6.06	43	440460	255.661	ug/l	97
26) 2,2-Dichloropropane	6.02	77	439252	48.290	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	398903	54.252	ug/l	96
28) Bromochloromethane	6.43	49	239879	48.630	ug/l	91
29) Tetrahydrofuran	6.44	42	224765	240.263	ug/l	95
30) Chloroform	6.66	83	641811	53.147	ug/l	98
31) Cyclohexane	6.94	56	414477	44.115	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	519740	49.781	ug/l	100
36) 1,1-Dichloropropene	7.14	75	452533	46.404	ug/l	97
37) Ethyl Acetate	6.18	43	219196	47.899	ug/l	98
38) Carbon Tetrachloride	7.10	117	564814	52.580	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	470950	46.573	ug/l	95
40) Benzene	7.45	78	1145131	46.994	ug/l	99
41) Methacrylonitrile	6.43	41	254299	48.312	ug/l	97
42) 1,2-Dichloroethane	7.57	62	351609	49.722	ug/l	100
43) Isopropyl Acetate	9.23	43	305211	48.154	ug/l #	97
44) Trichloroethene	8.53	130	417670	49.683	ug/l	97
45) 1,2-Dichloropropane	8.93	63	305726	47.755	ug/l	100
46) Dibromomethane	9.05	93	201198	49.545	ug/l	97
47) Bromodichloromethane	9.37	83	478611	52.228	ug/l	99
48) Methyl methacrylate	9.11	41	177031	49.607	ug/l	94
49) 1,4-Dioxane	9.07	88	37191	1030.627	ug/l #	96
51) 4-Methyl-2-Pentanone	10.29	43	944718	243.296	ug/l	96
52) Toluene	10.50	92	711463	46.953	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	404270	48.246	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	528201	52.464	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	269158	53.339	ug/l	97
56) Ethyl methacrylate	11.03	69	269408	51.006	ug/l	97
57) 1,3-Dichloropropane	11.39	76	385739	51.152	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	700870	250.683	ug/l	99
59) 2-Hexanone	11.52	43	662956	233.403	ug/l	100
60) Dibromochloromethane	11.68	129	396597	53.403	ug/l	100
61) 1,2-Dibromoethane	11.80	107	303872	51.765	ug/l	99
64) Tetrachloroethene	11.25	164	326377	49.992	ug/l	97
65) Chlorobenzene	12.39	112	955156	50.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	351920	52.072	ug/l	99
67) Ethyl Benzene	12.52	91	1336242	47.340	ug/l	99
68) m/p-Xylenes	12.66	106	972667	87.796	ug/l	96
69) o-Xylene	13.04	106	494408	45.400	ug/l	97
70) Styrene	13.07	104	804229	45.226	ug/l	98
71) Bromoform	13.22	173	223242	51.204	ug/l	96
73) Isopropylbenzene	13.39	105	1381461	51.106	ug/l	99
74) N-amyl acetate	13.25	43	349137	45.871	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	281589	53.393	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	293011	54.300	ug/l	100
77) Bromobenzene	13.66	156	376872	54.617	ug/l	86
78) n-propylbenzene	13.77	91	1654263	52.275	ug/l	98
79) 2-Chlorotoluene	13.83	91	868645	49.859	ug/l	95
80) 1,3,5-Trimethylbenzene	14.23	105	1038719	50.617	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	86711	54.504	ug/l	94
82) 4-Chlorotoluene	13.94	91	1050819	51.020	ug/l	95
83) tert-Butylbenzene	14.18	119	1308859	58.281	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	1038719	50.617	ug/l	100
85) sec-Butylbenzene	14.36	105	1451538	52.943	ug/l	96
86) p-Isopropyltoluene	14.48	119	1075379	47.986	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	690507	56.041	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	668582	55.218	ug/l	99
89) n-Butylbenzene	14.79	91	1016477	47.232	ug/l	97
90) Hexachloroethane	15.00	117	340226	53.764	ug/l	74
91) 1,2-Dichlorobenzene	14.80	146	563936	54.901	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	36993	58.208	ug/l	72

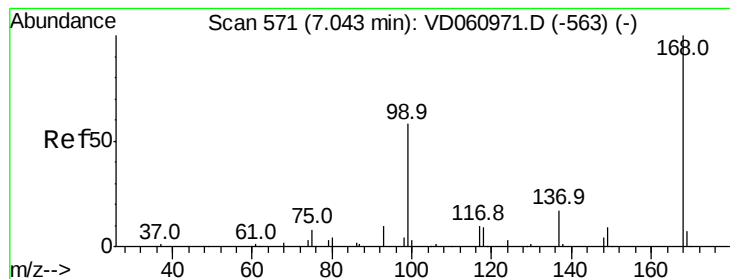
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	272588	57.205	ug/l	98
94) Hexachlorobutadiene	16.03	225	196374	54.484	ug/l	98
95) Naphthalene	16.12	128	467628	64.579	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	145874	61.982	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

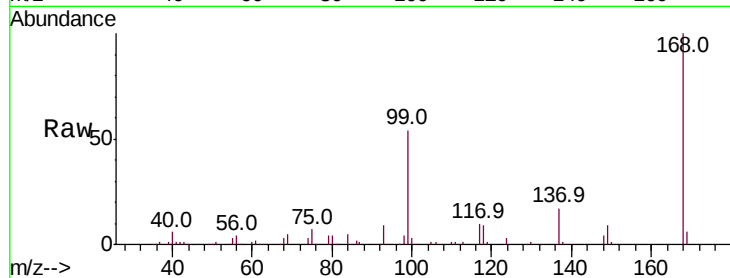
VSTDCCC050

Tot Ion:168 Resp: 637859

Ion Ratio Lower Upper

168 100

99 53.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

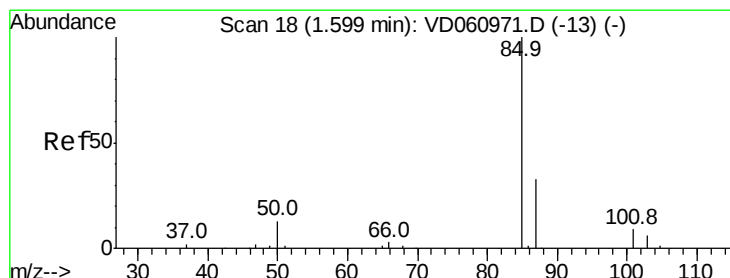
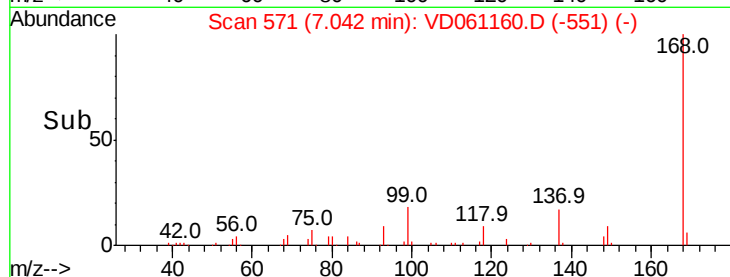
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 42.966 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061160.D

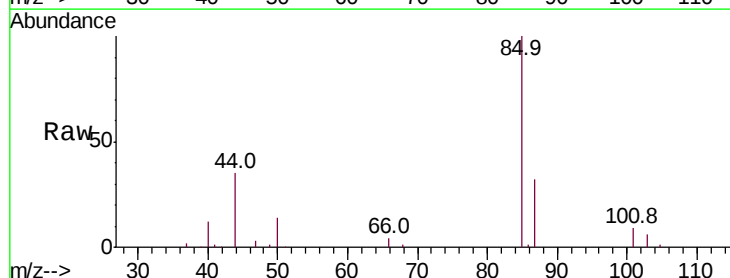
Acq: 18 Mar 2019 23:27

Tgt Ion: 85 Resp: 271477

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

120000

100000

80000

60000

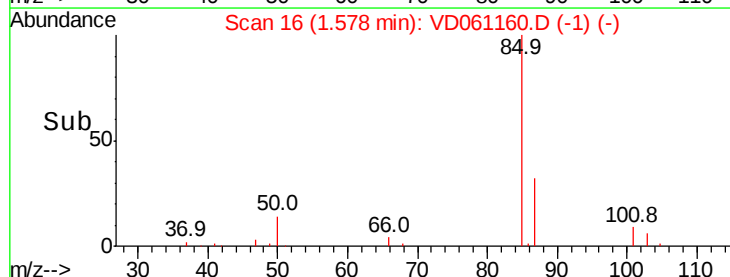
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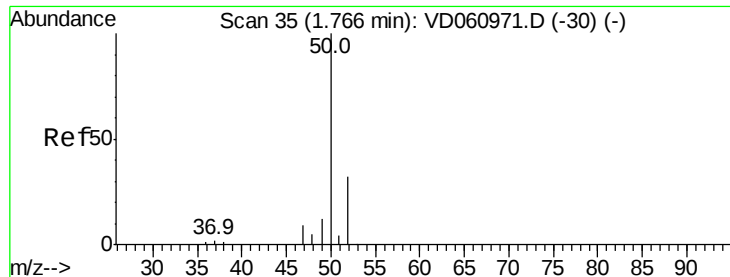
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.131 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

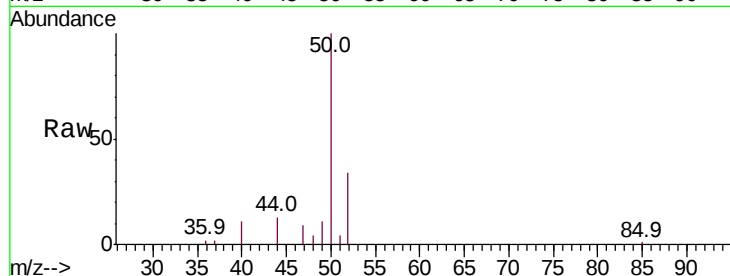
VSTDCCC050

Tot Ion: 50 Resp: 227017

Ion Ratio Lower Upper

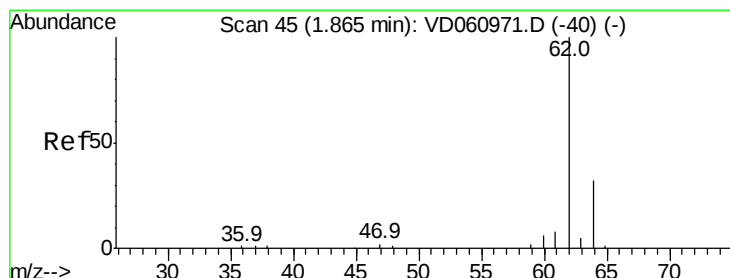
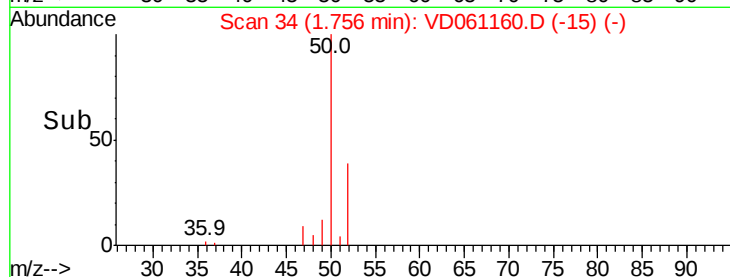
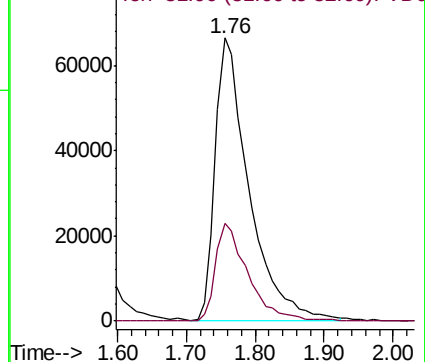
50 100

52 34.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.346 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061160.D

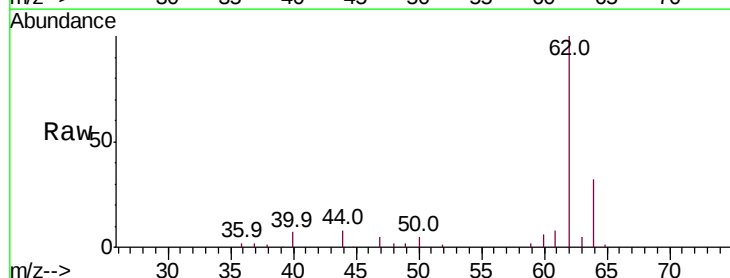
Acq: 18 Mar 2019 23:27

Tgt Ion: 62 Resp: 215680

Ion Ratio Lower Upper

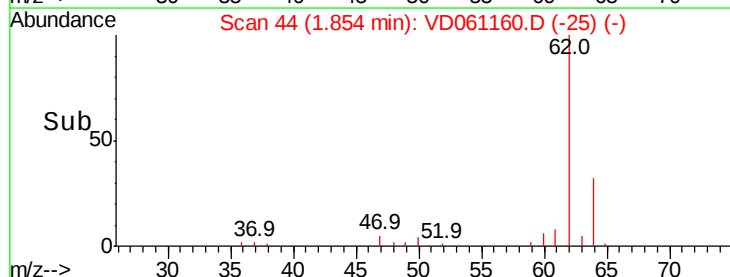
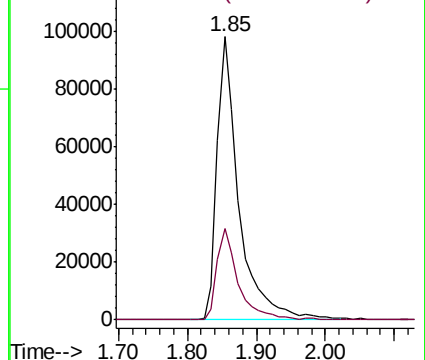
62 100

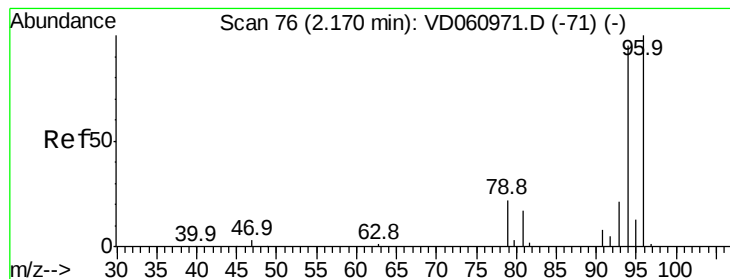
64 32.1 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.818 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

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VSTDCCC050

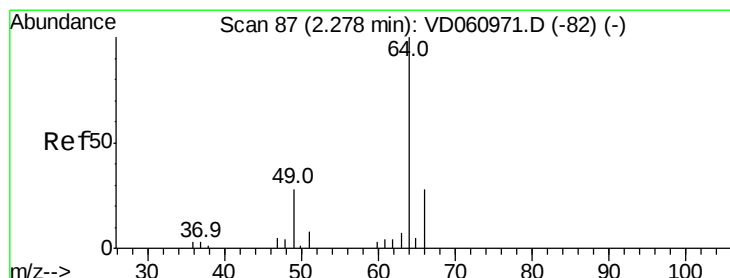
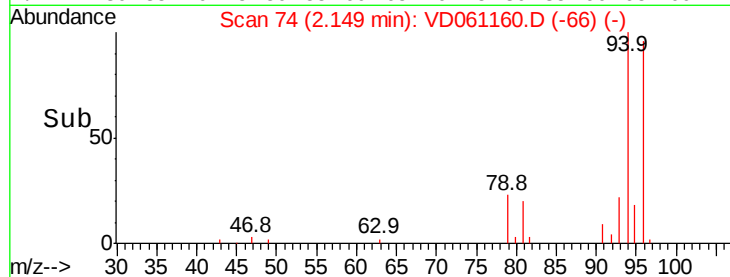
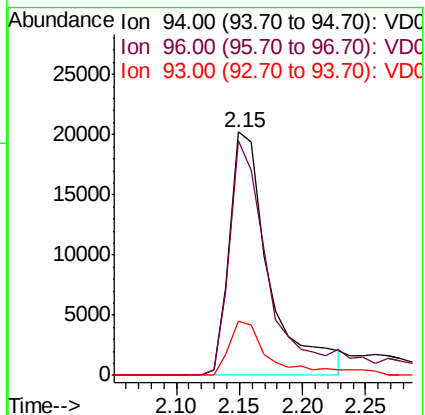
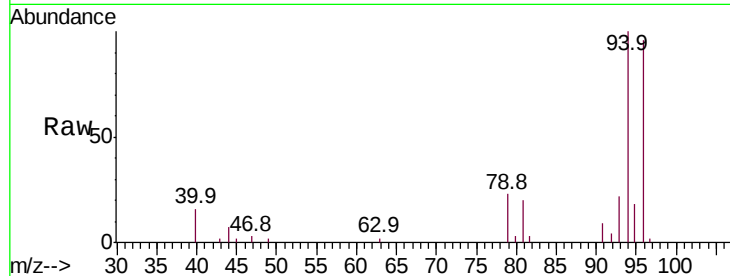
Tot Ion: 94 Resp: 44378

Ion Ratio Lower Upper

94 100

96 98.1 84.0 126.0

93 22.2 17.3 25.9



#6

Chloroethane

Concen: 47.685 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD061160.D

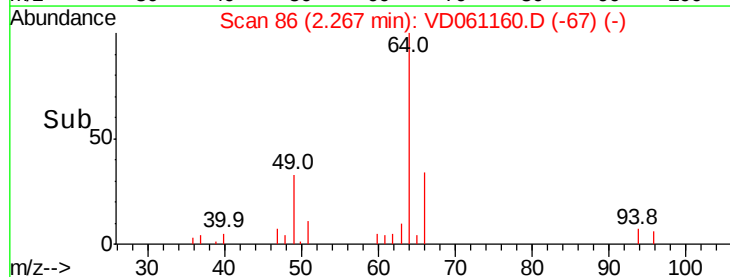
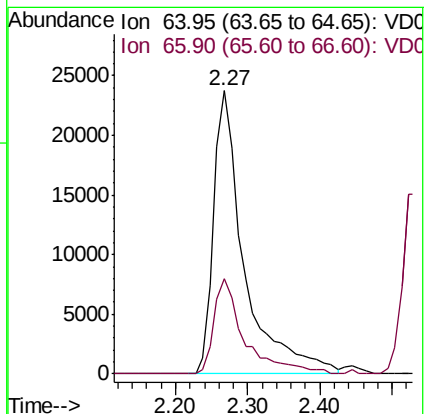
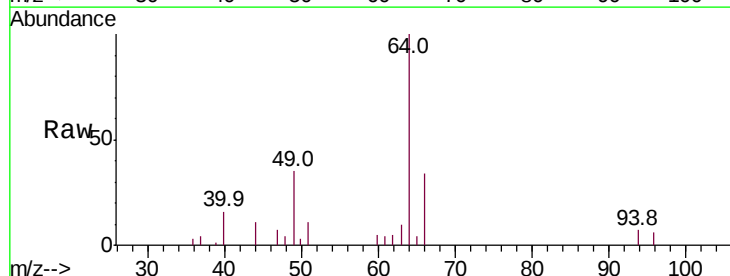
Acq: 18 Mar 2019 23:27

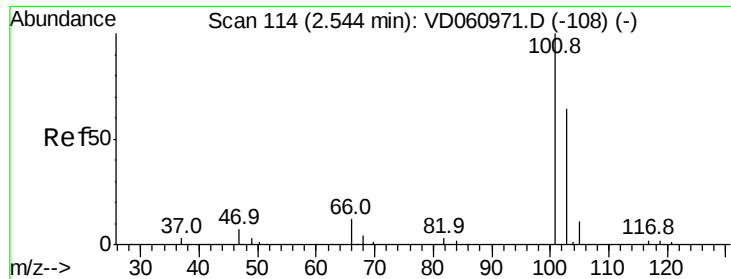
Tgt Ion: 64 Resp: 69418

Ion Ratio Lower Upper

64 100

66 33.5 22.2 33.2#



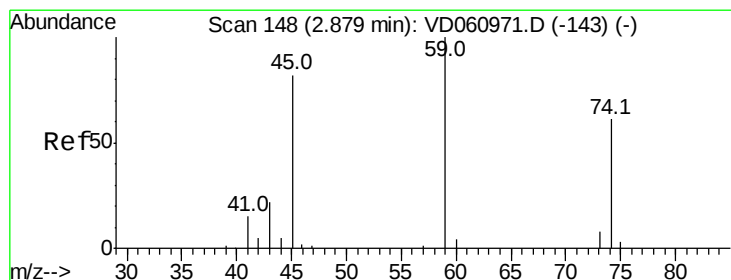
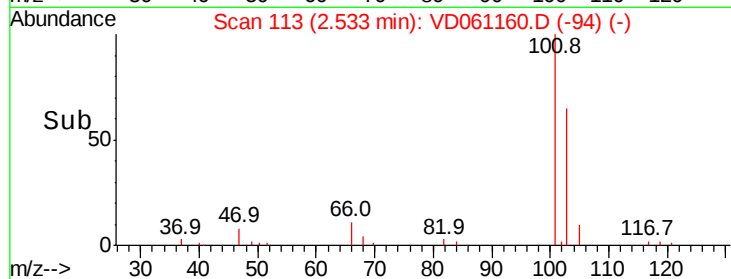
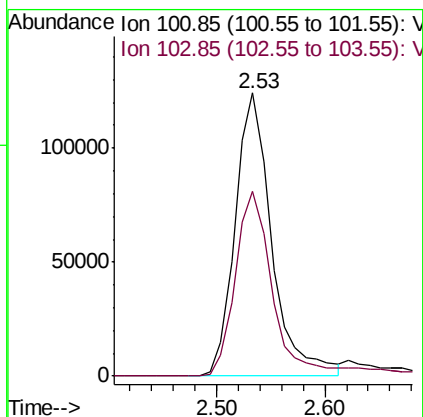
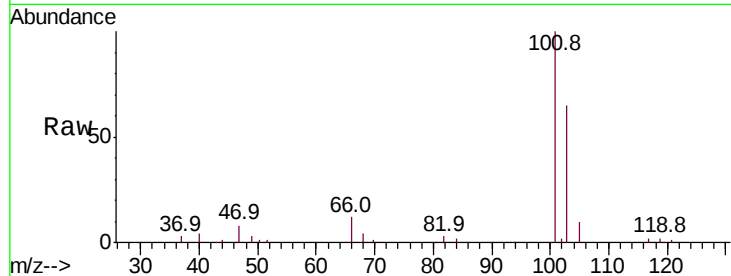


#7

Trichlorofluoromethane
 Concen: 41.941 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

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 MSVOA_D
 ClientSampleId :
 VSTDCCC050

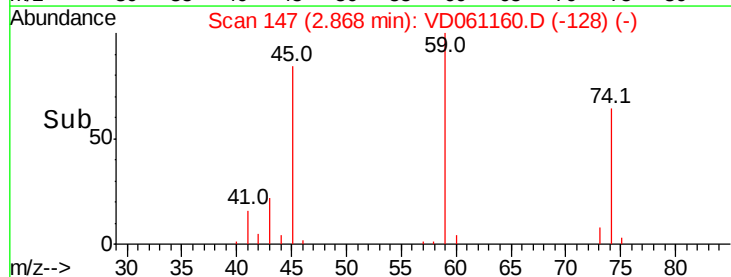
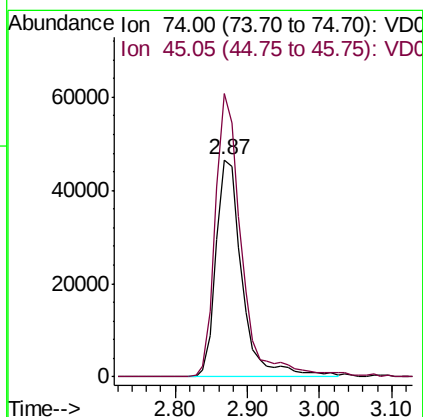
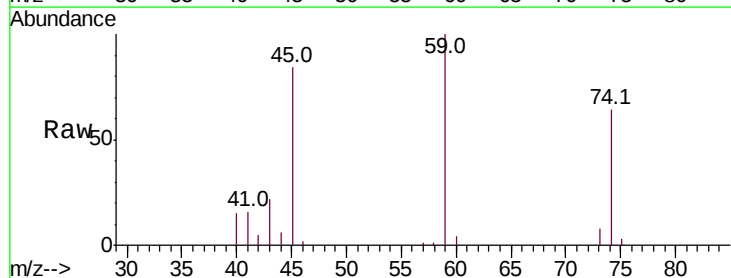
Tot Ion:101 Resp: 293033
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.2 76.8

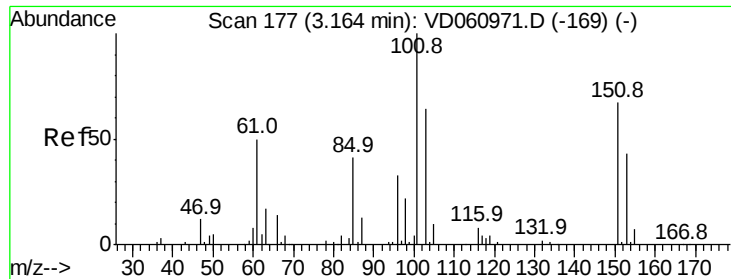


#8

Diethyl Ether
 Concen: 50.607 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion: 74 Resp: 116644
 Ion Ratio Lower Upper
 74 100
 45 130.3 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.143 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

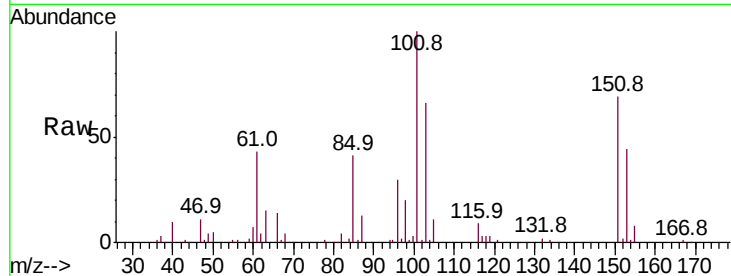
Tot Ion:101 Resp: 376056

Ion Ratio Lower Upper

101 100

85 40.8 32.5 48.7

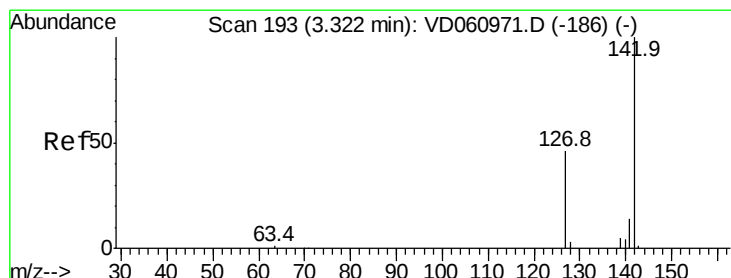
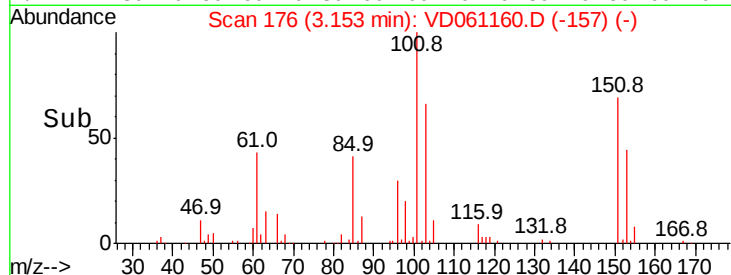
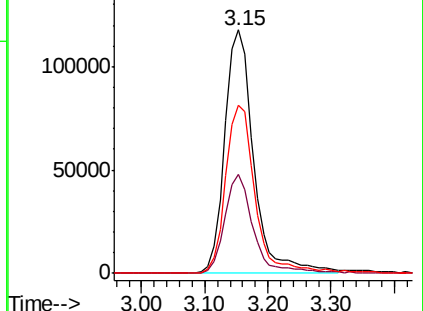
151 68.8 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 50.545 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

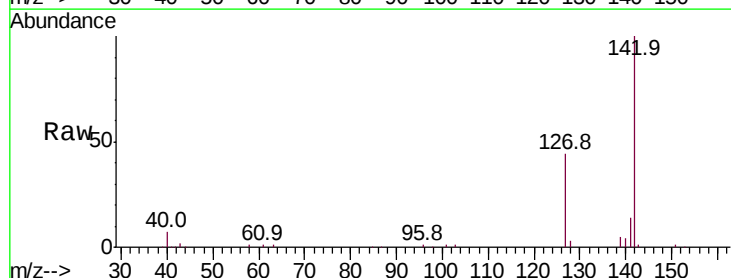
Tgt Ion:142 Resp: 544086

Ion Ratio Lower Upper

142 100

127 44.4 36.8 55.2

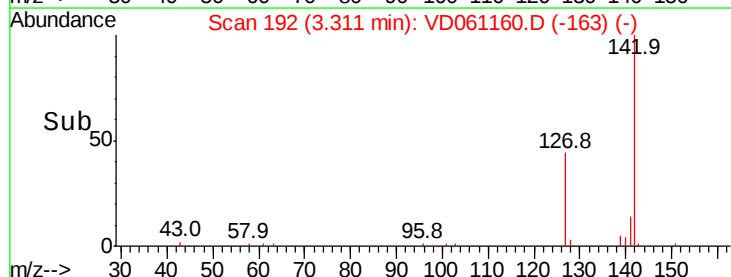
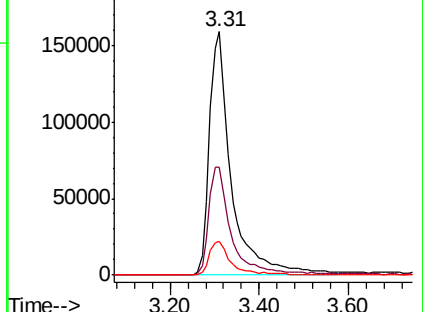
141 13.7 11.2 16.8

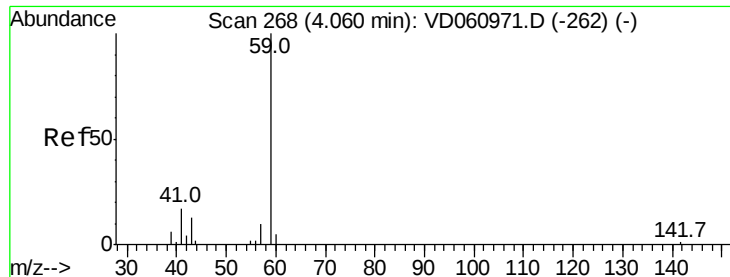


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



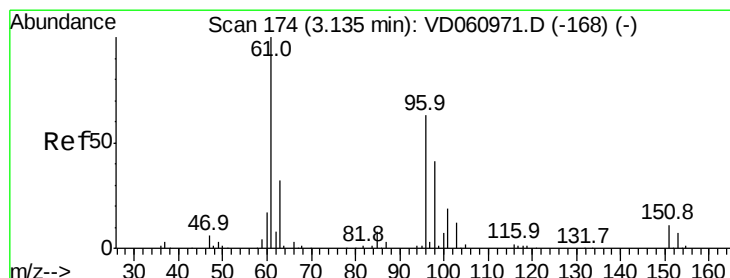
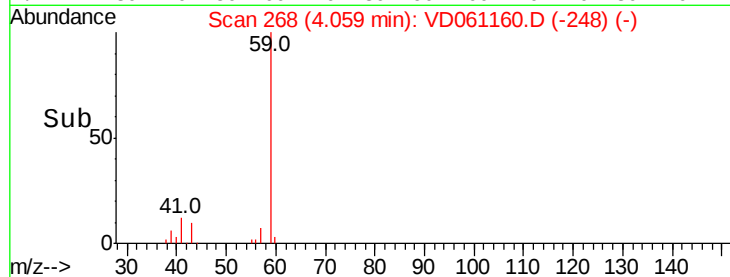
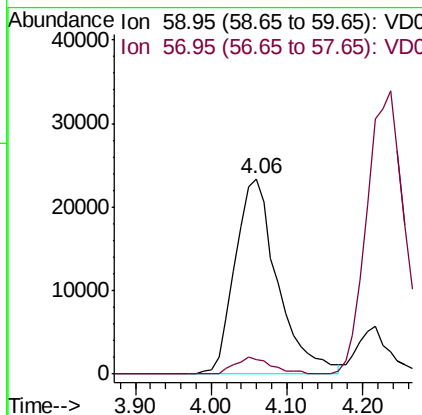
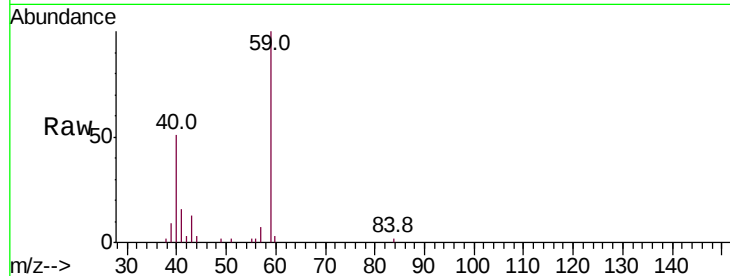


#11

Tert butyl alcohol
 Concen: 269.555 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

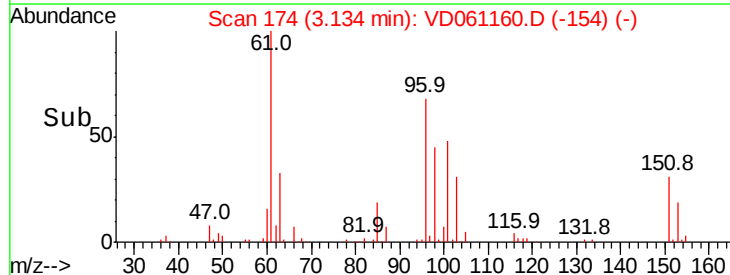
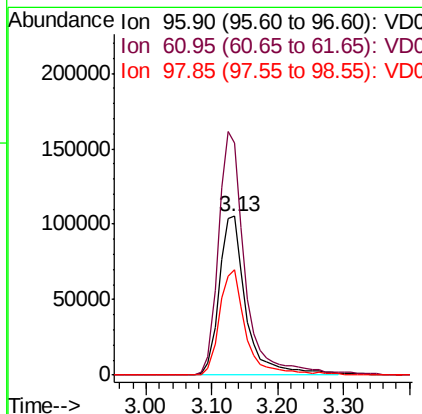
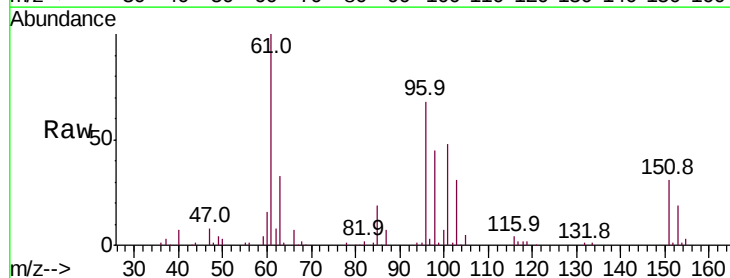
Tot Ion: 59 Resp: 91112
 Ion Ratio Lower Upper
 59 100
 57 7.4 7.1 10.7

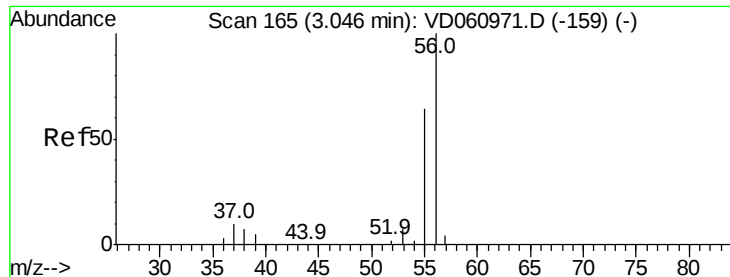


#12

1,1-Dichloroethene
 Concen: 46.675 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion: 96 Resp: 298848
 Ion Ratio Lower Upper
 96 100
 61 146.2 127.1 190.7
 98 66.1 51.5 77.3





#13

Acrolein

Concen: 281.408 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

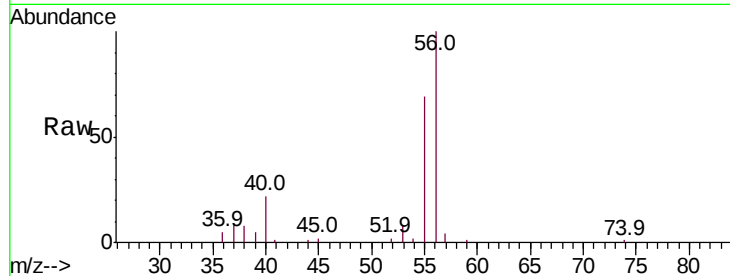
VSTDCCC050

Tot Ion: 56 Resp: 137628

Ion Ratio Lower Upper

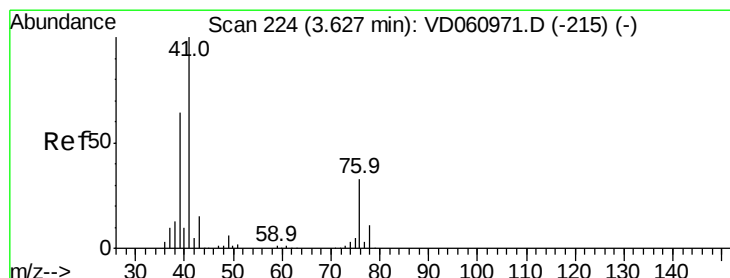
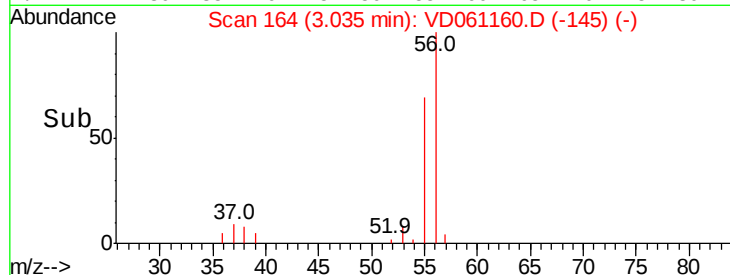
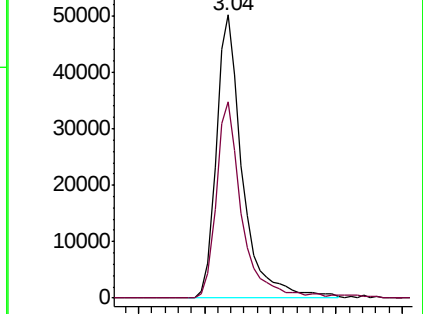
56 100

55 69.2 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.505 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

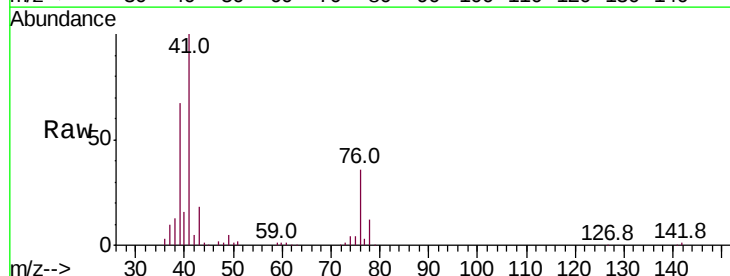
Tgt Ion: 41 Resp: 496902

Ion Ratio Lower Upper

41 100

39 66.8 51.1 76.7

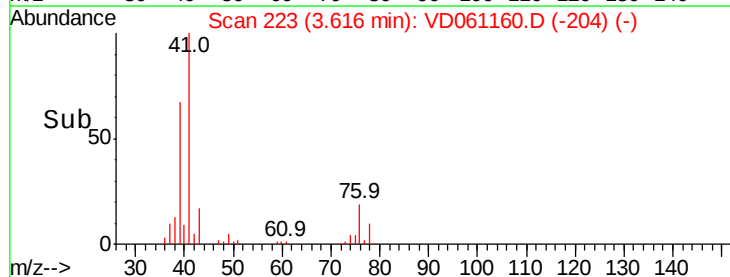
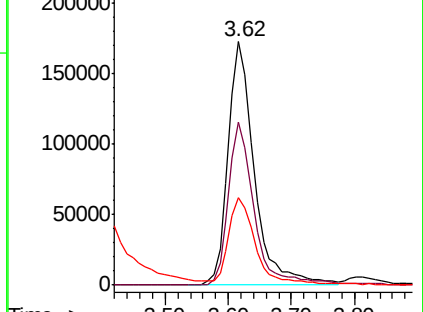
76 36.0 29.1 43.7

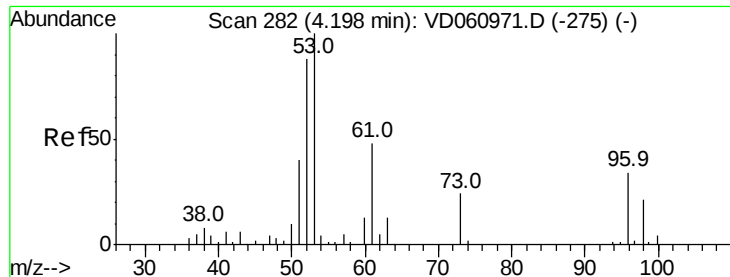


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

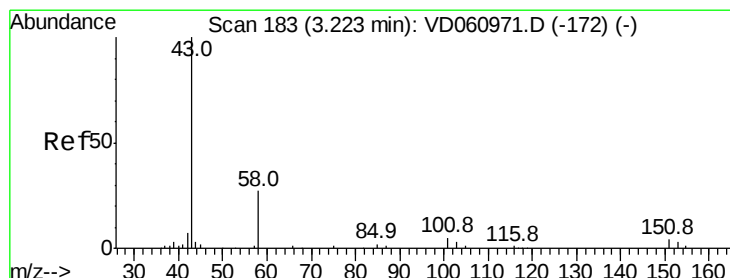
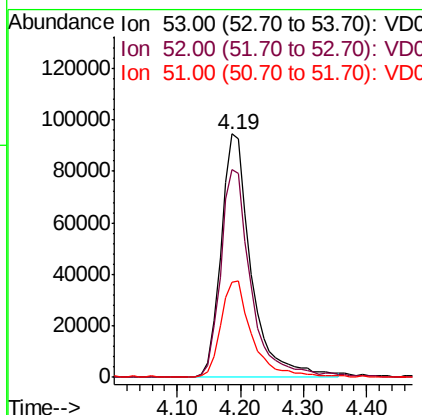
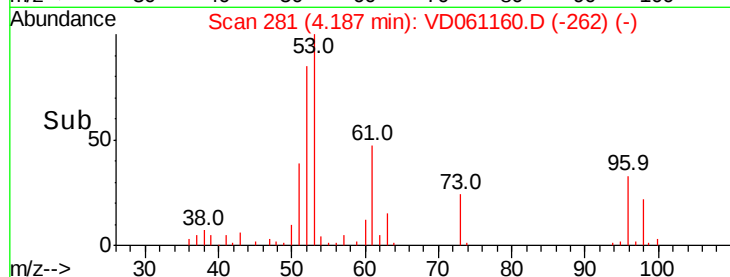
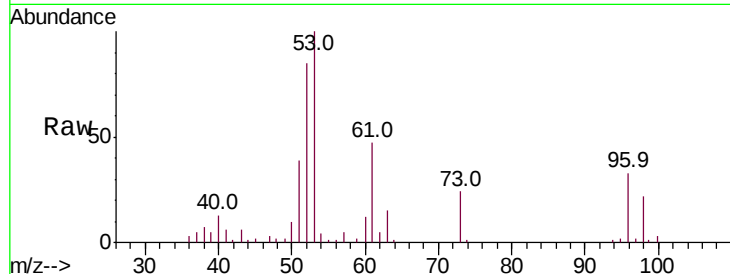




#15
 Acrylonitrile
 Concen: 263.412 ug/l
 RT: 4.19 min Scan# 281
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

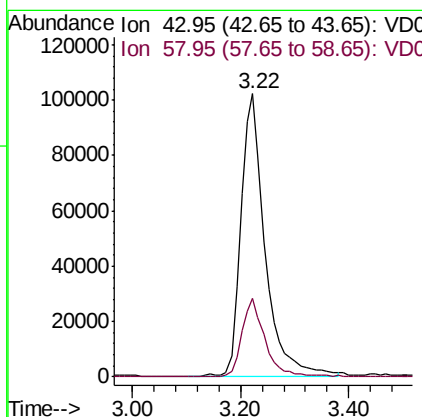
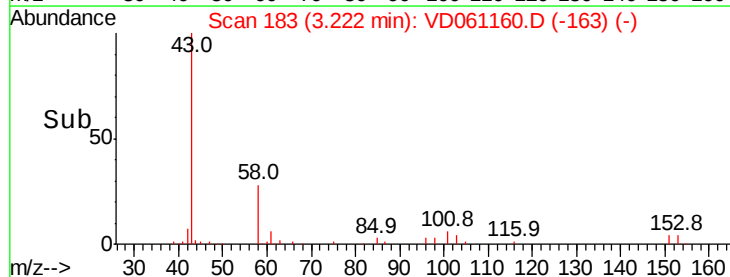
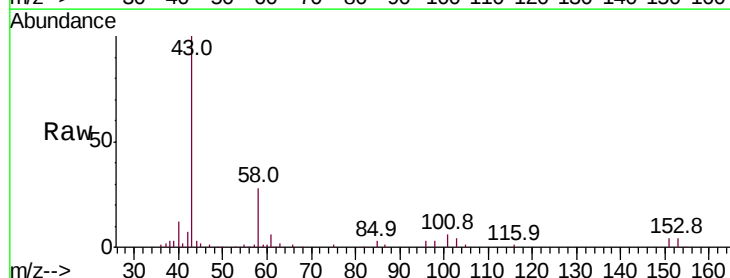
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

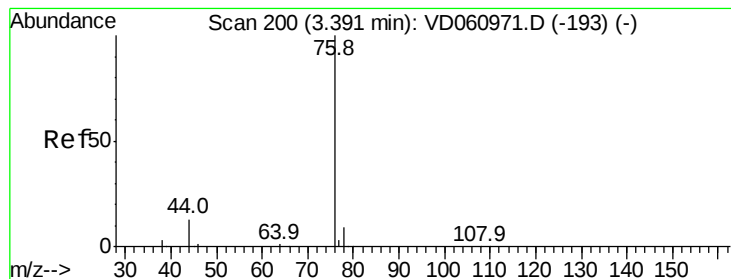
Tot Ion: 53 Resp: 314681
 Ion Ratio Lower Upper
 53 100
 52 85.3 70.2 105.4
 51 39.2 31.7 47.5



#16
 Acetone
 Concen: 210.955 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion: 43 Resp: 320289
 Ion Ratio Lower Upper
 43 100
 58 27.9 21.6 32.4





#17

Carbon Disulfide

Concen: 43.960 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

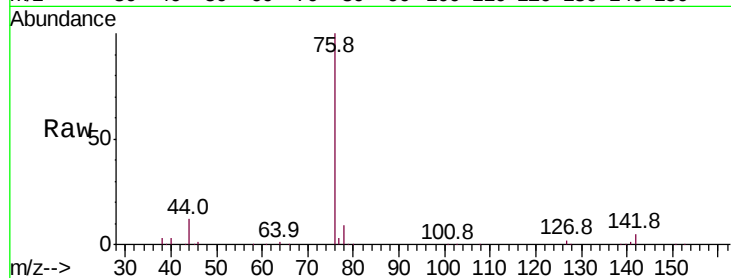
VSTDCCC050

Tot Ion: 76 Resp: 949486

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

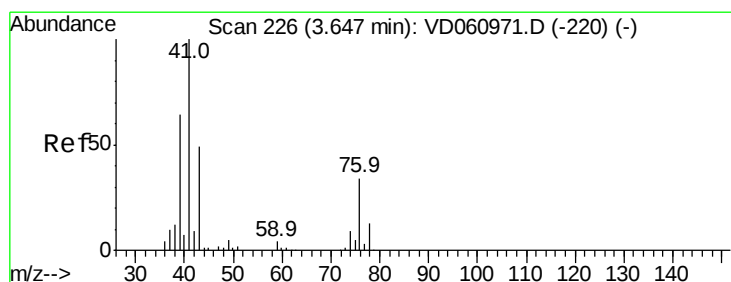
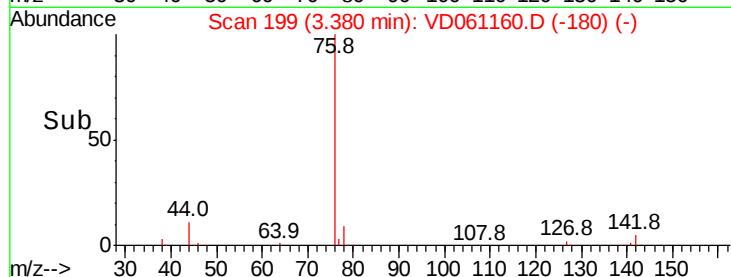
300000

200000

100000

0

Time--> 3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 60.871 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD061160.D

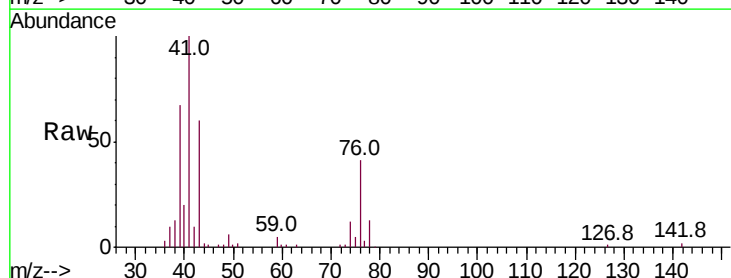
Acq: 18 Mar 2019 23:27

Tgt Ion: 43 Resp: 181881

Ion Ratio Lower Upper

43 100

74 20.3 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

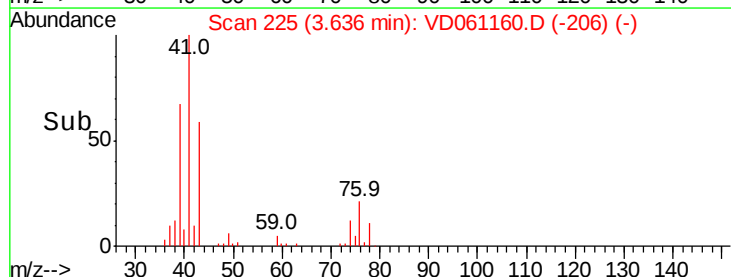
60000

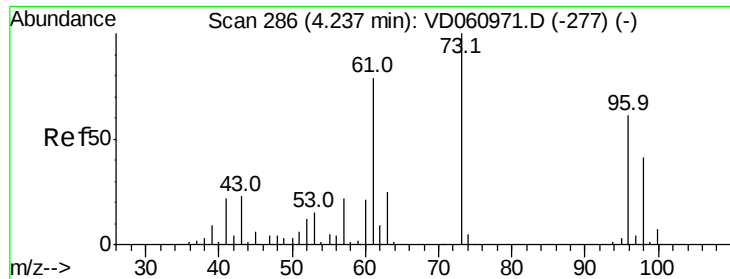
40000

20000

0

Time--> 3.50 3.60 3.70 3.80

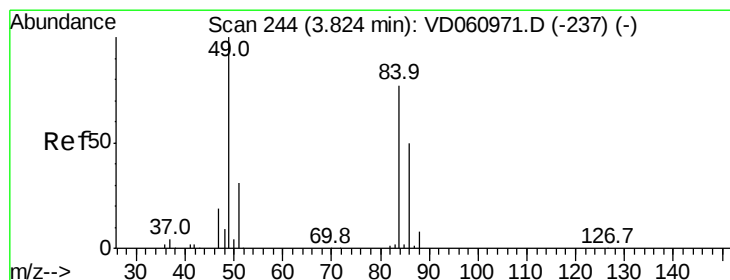
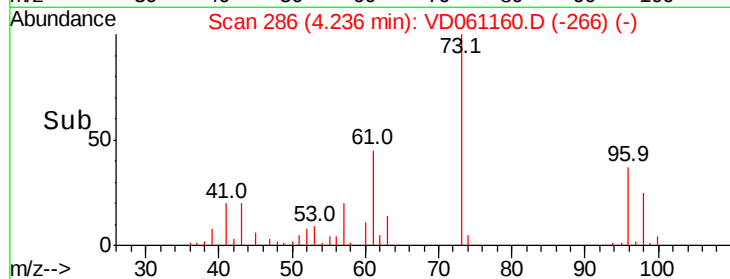
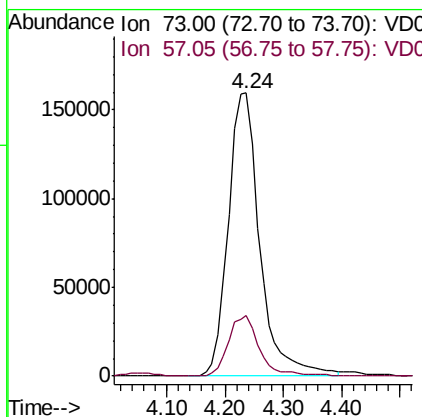
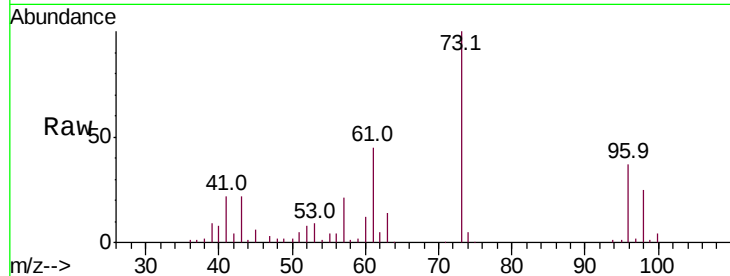




#19
Methvl tert-butvl Ether
Concen: 53.666 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

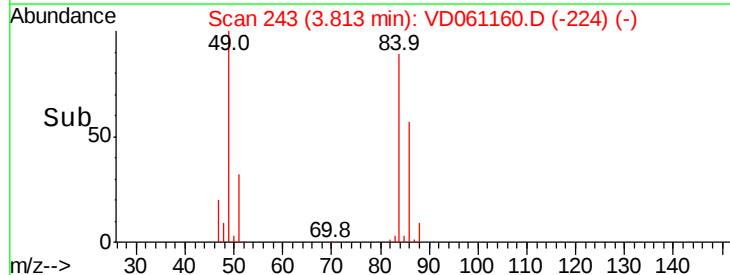
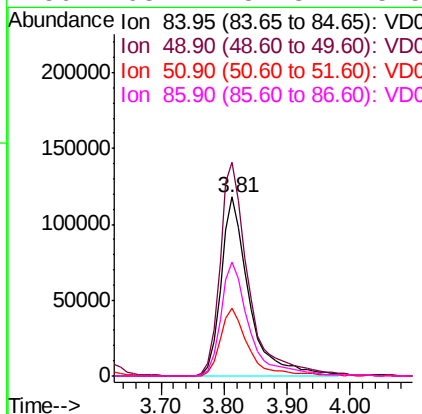
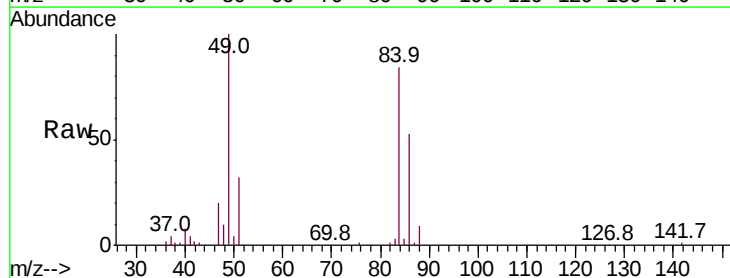
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

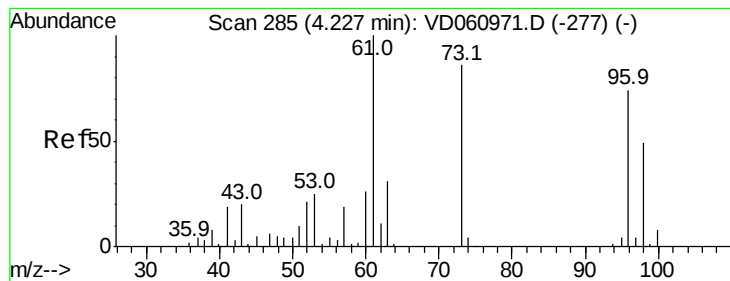
Tot Ion: 73 Resp: 602183
Ion Ratio Lower Upper
73 100
57 21.2 17.7 26.5



#20
Methylene Chloride
Concen: 52.855 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion: 84 Resp: 364062
Ion Ratio Lower Upper
84 100
49 119.4 104.2 156.2
51 37.9 32.3 48.5
86 63.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 50.733 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

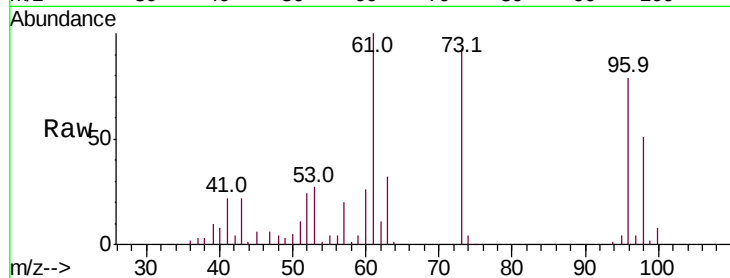
Tot Ion: 96 Resp: 351591

Ion Ratio Lower Upper

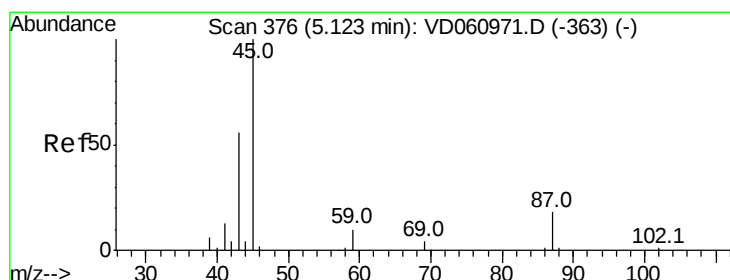
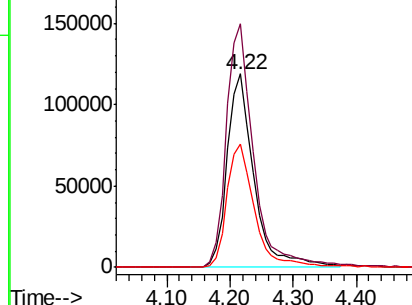
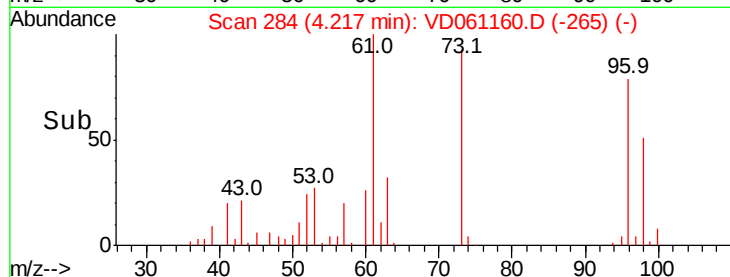
96 100

61 125.8 108.4 162.6

98 63.9 53.0 79.4



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



#22

Diisopropyl ether

Concen: 49.765 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Tgt Ion: 45 Resp: 1058326

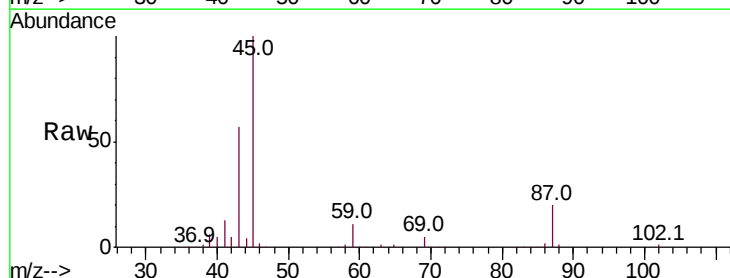
Ion Ratio Lower Upper

45 100

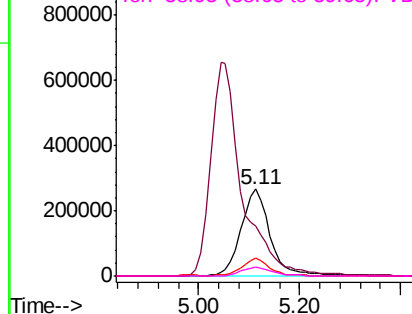
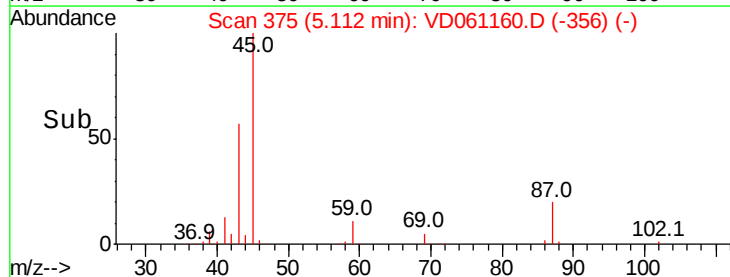
43 57.5 45.8 68.8

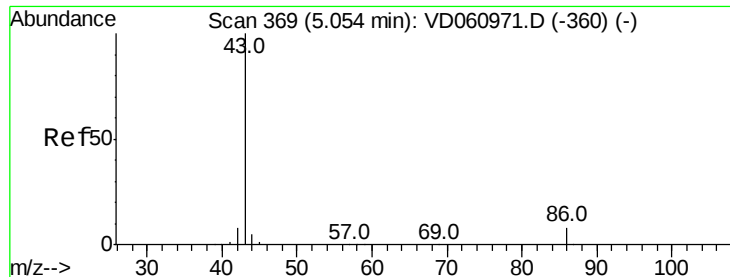
87 20.3 14.9 22.3

59 10.8 8.0 12.0



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: 256.321 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

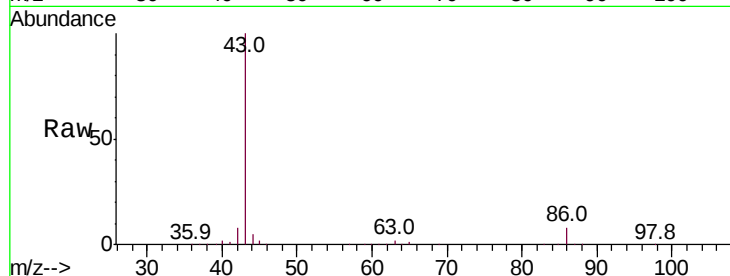
VSTDCCC050

Tot Ion: 43 Resp: 2798265

Ion Ratio Lower Upper

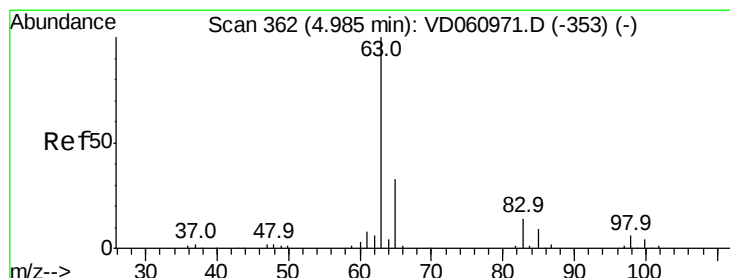
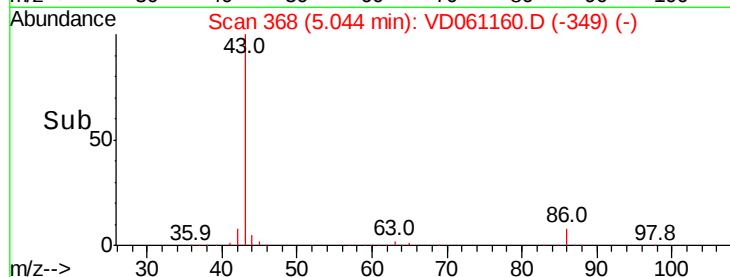
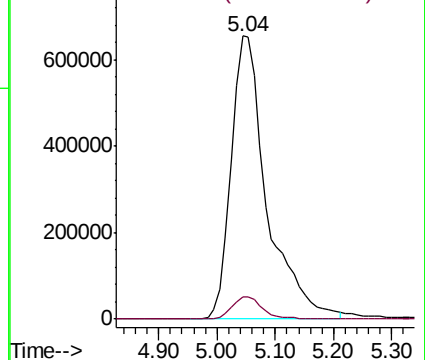
43 100

86 7.8 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.763 ug/l

RT: 4.97 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

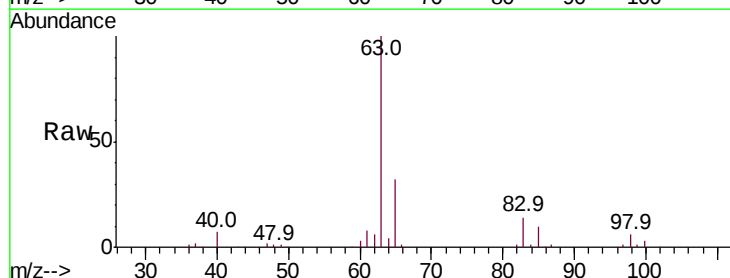
Tgt Ion: 63 Resp: 614787

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

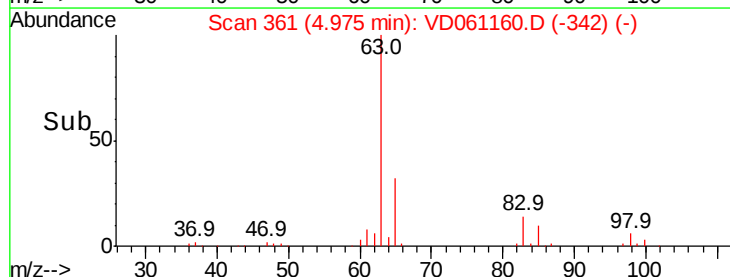
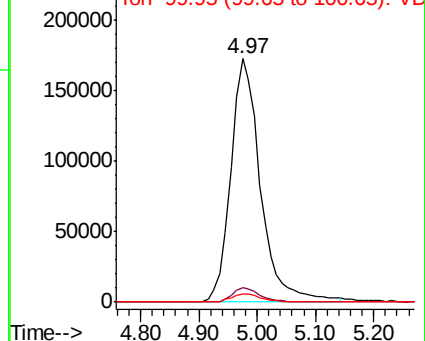
100 3.4 2.0 5.8

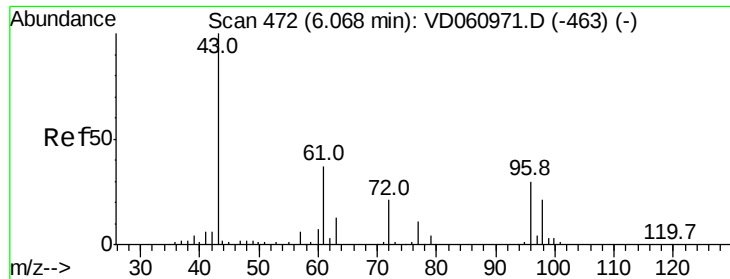


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 255.661 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

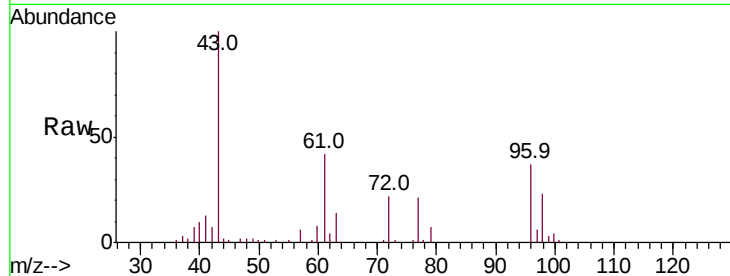
VSTDCCC050

Tot Ion: 43 Resp: 440460

Ion Ratio Lower Upper

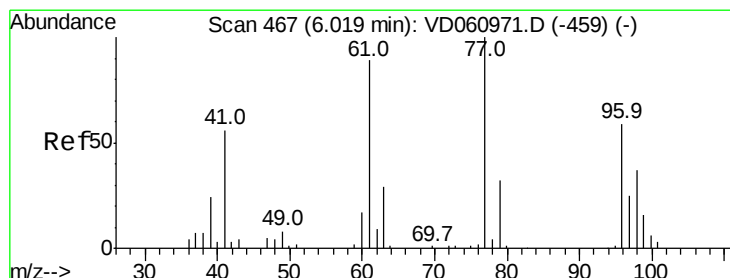
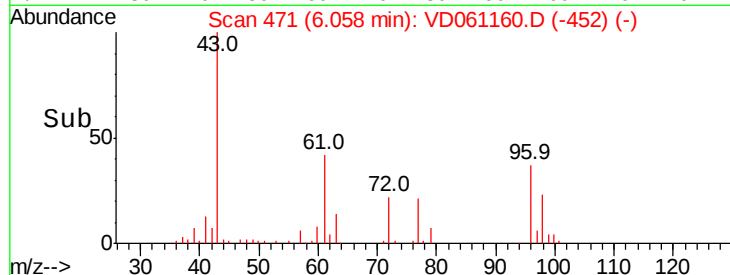
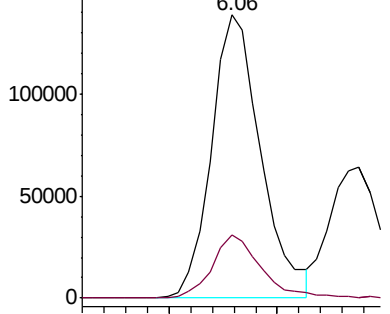
43 100

72 22.4 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.290 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD061160.D

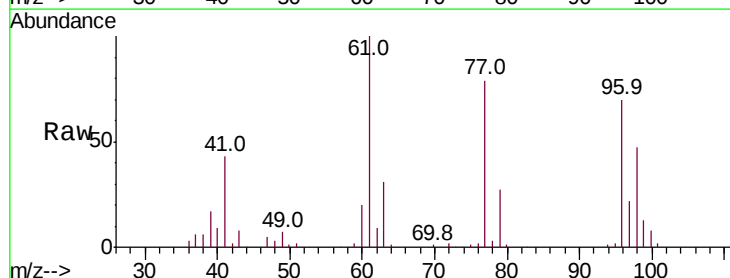
Acq: 18 Mar 2019 23:27

Tgt Ion: 77 Resp: 439252

Ion Ratio Lower Upper

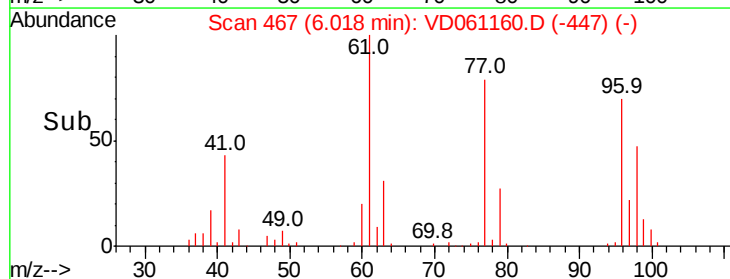
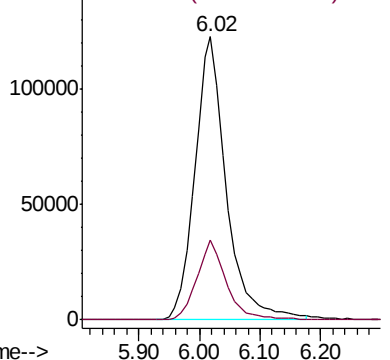
77 100

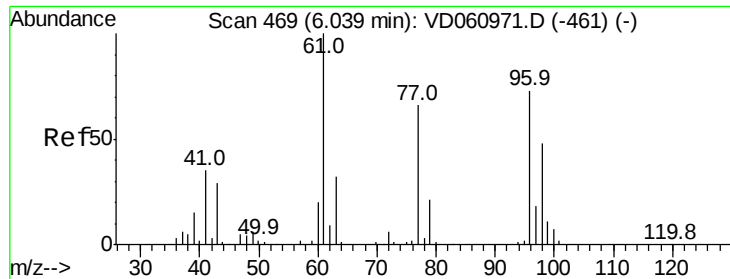
97 28.0 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



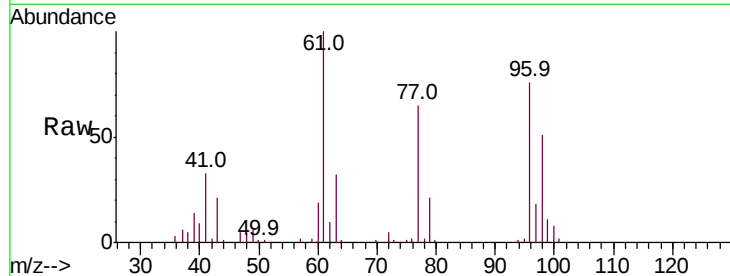


#27

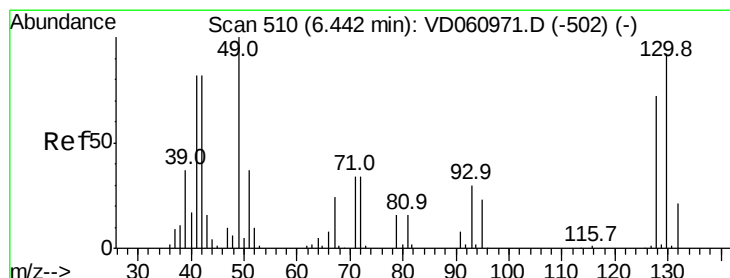
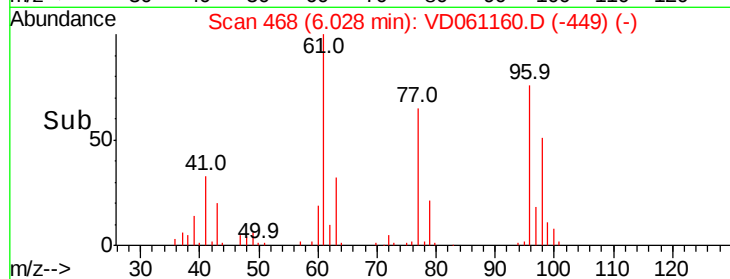
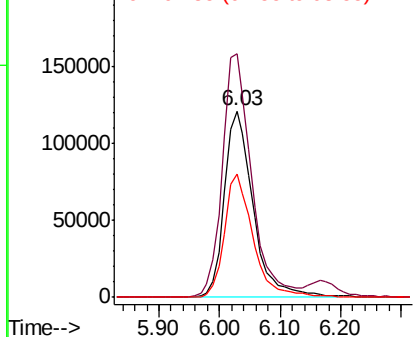
cis-1,2-Dichloroethene
Concen: 54.252 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	96	Resp	398903
Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	273.6
98	66.0	0.0	132.6



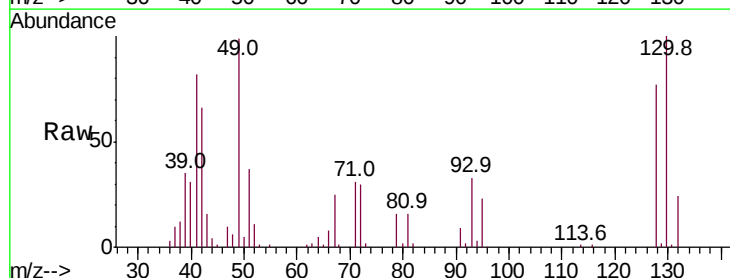
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



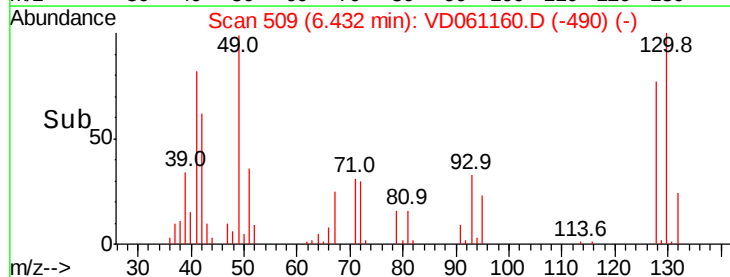
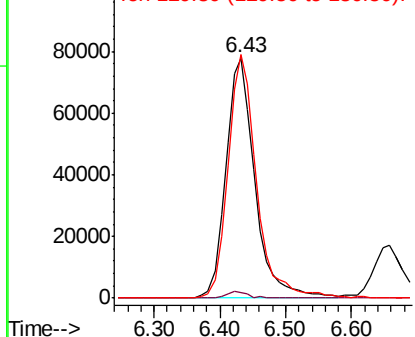
#28

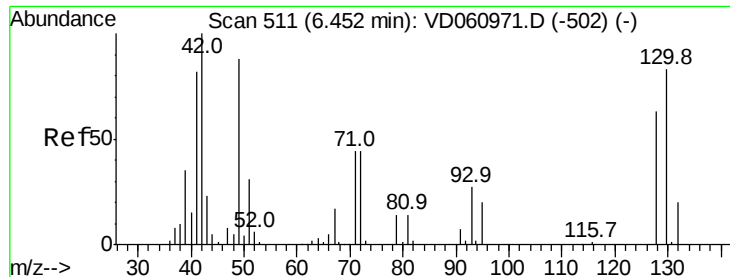
Bromochloromethane
Concen: 48.630 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion	49	Resp	239879
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	101.3	73.8	110.8



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





#29

Tetrahydrofuran

Concen: 240.263 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

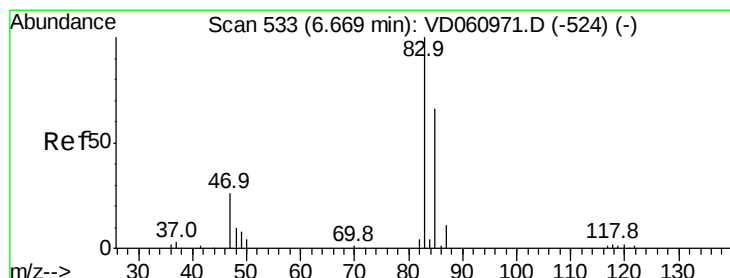
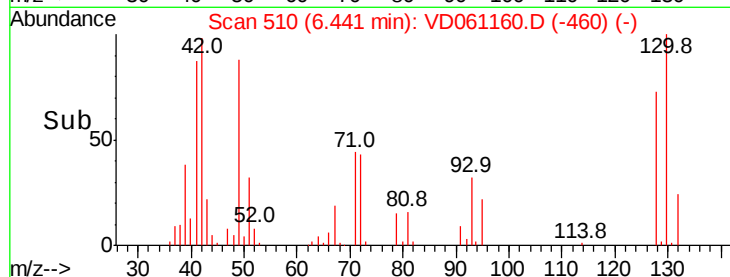
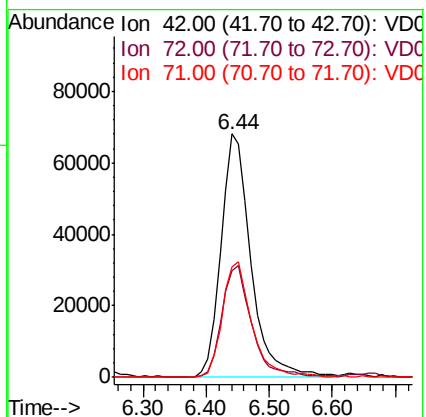
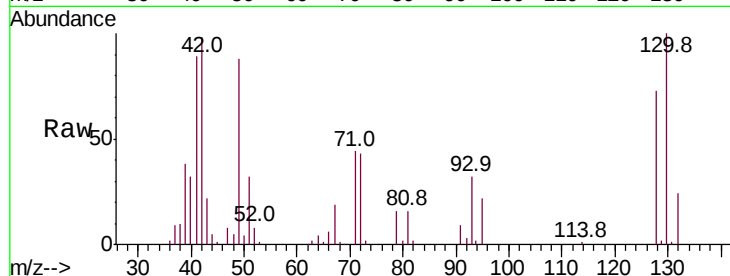
Tot Ion: 42 Resp: 224765

Ion Ratio Lower Upper

42 100

72 45.6 34.5 51.7

71 46.4 33.8 50.6



#30

Chloroform

Concen: 53.147 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD061160.D

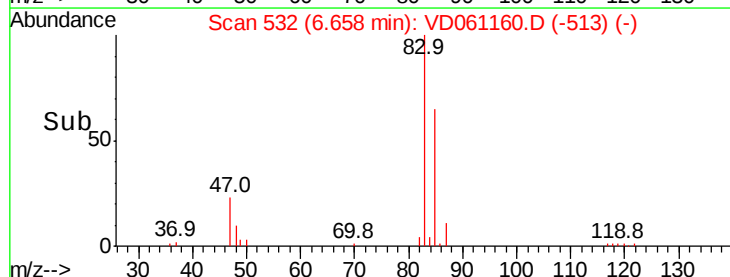
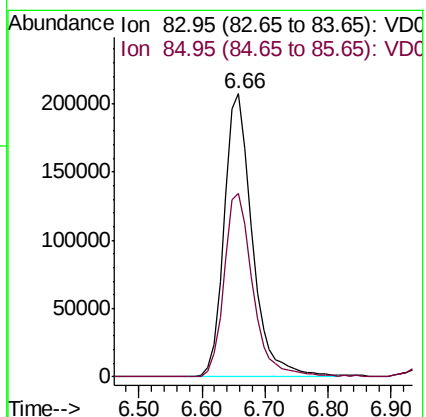
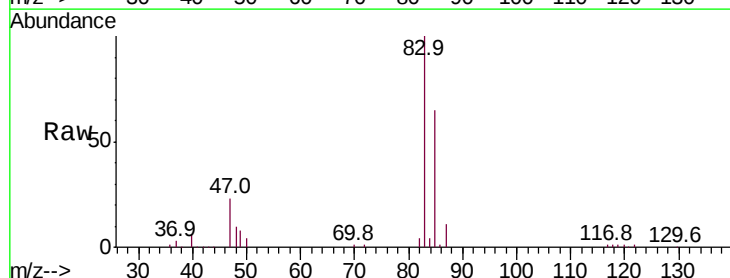
Acq: 18 Mar 2019 23:27

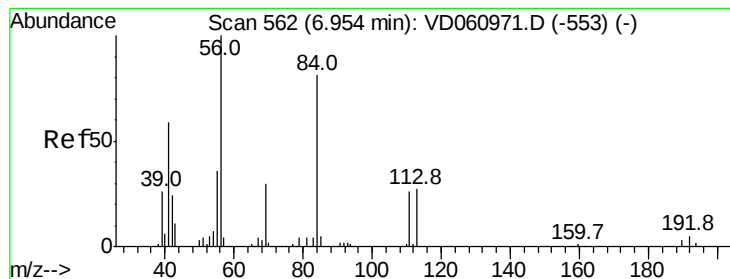
Tgt Ion: 83 Resp: 641811

Ion Ratio Lower Upper

83 100

85 65.0 53.0 79.4





#31

Cvclohexane

Concen: 44.115 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

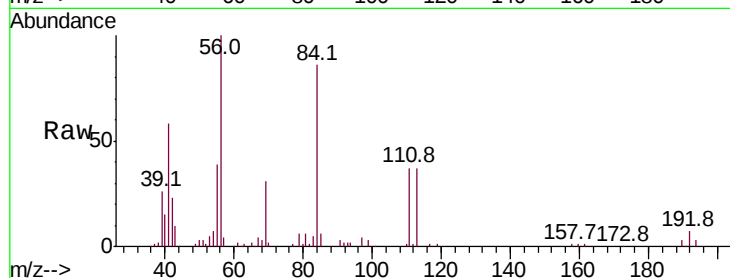
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 414477

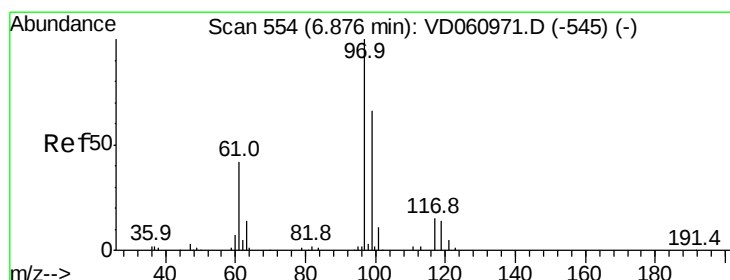
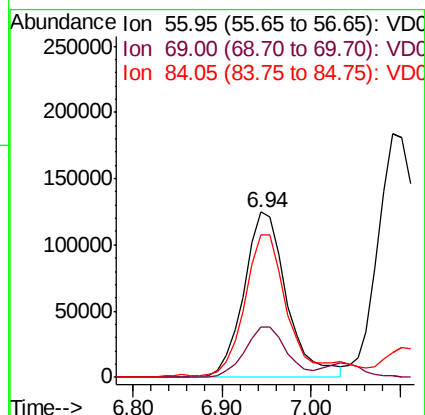
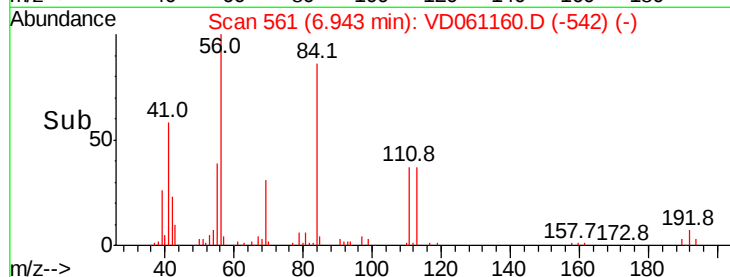
Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.0	36.0
84	86.5	65.8	98.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

250000 Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 49.781 ug/l

RT: 6.86 min Scan# 553

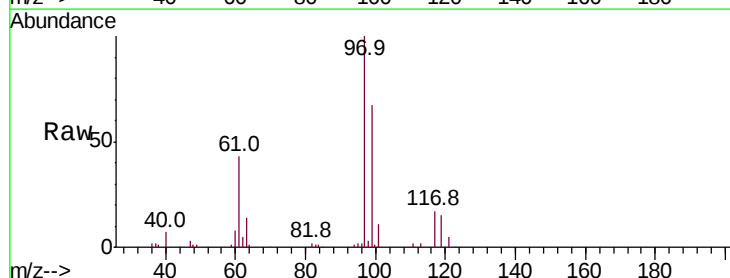
Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Tgt Ion: 97 Resp: 519740

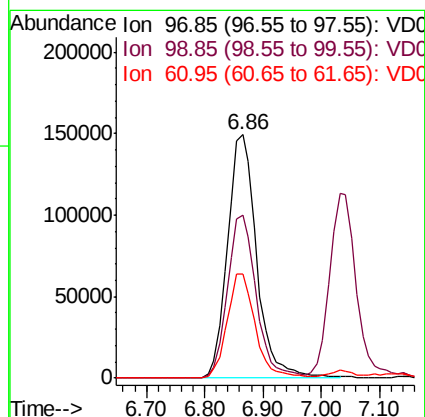
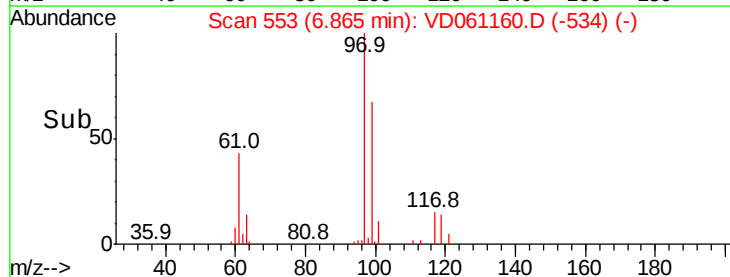
Ion	Ratio	Lower	Upper
97	100		
99	66.8	53.2	79.8
61	42.6	33.8	50.8

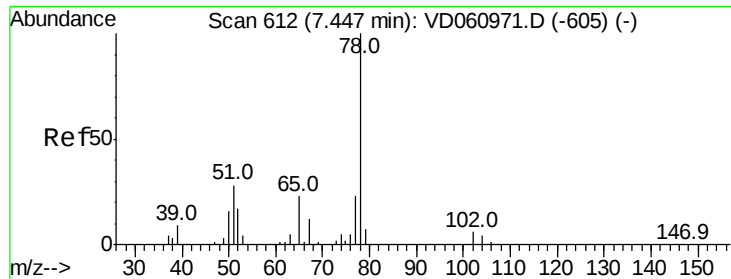


Abundance Ion 96.85 (96.55 to 97.55): VDC

200000 Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.781 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

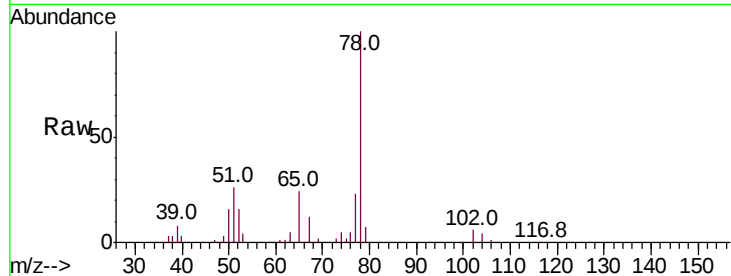
VSTDCCC050

Tot Ion: 65 Resp: 260446

Ion Ratio Lower Upper

65 100

67 52.0 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

100000

80000

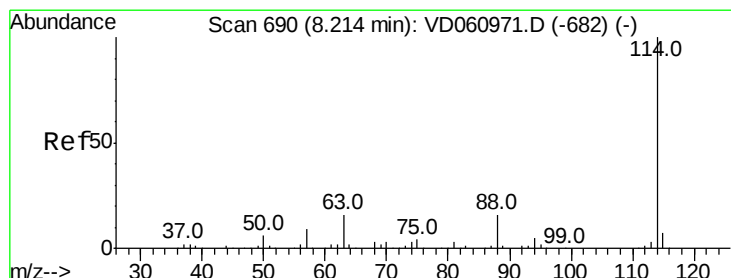
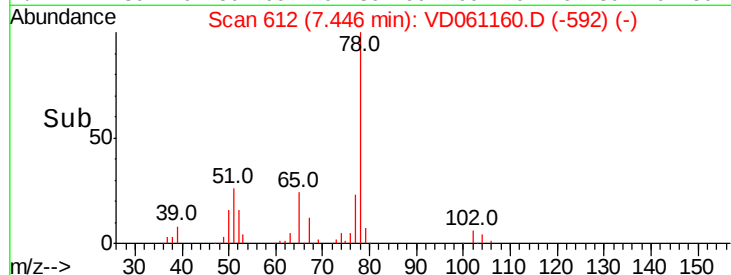
60000

40000

20000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

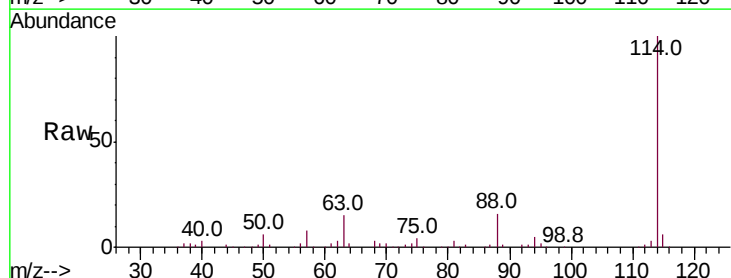
Tgt Ion:114 Resp: 1131338

Ion Ratio Lower Upper

114 100

63 15.1 0.0 31.4

88 15.7 0.0 33.0



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

8.21

500000

400000

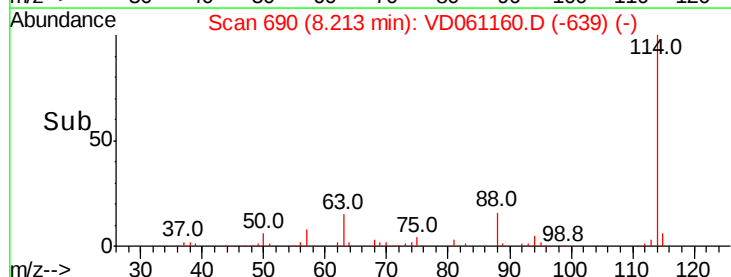
300000

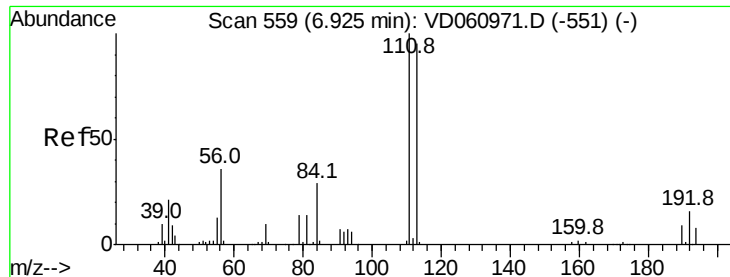
200000

100000

0

Time--> 8.00 8.20 8.40





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

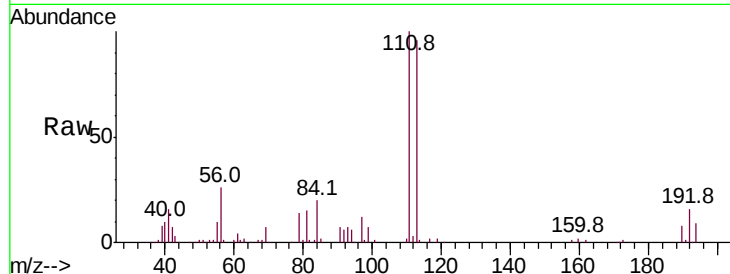
Tot Ion:113 Resp: 413960

Ion Ratio Lower Upper

113 100

111 104.6 84.2 126.4

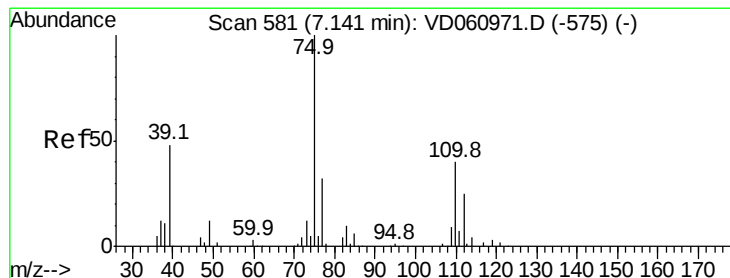
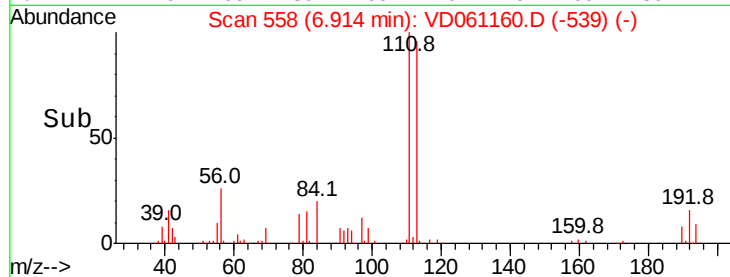
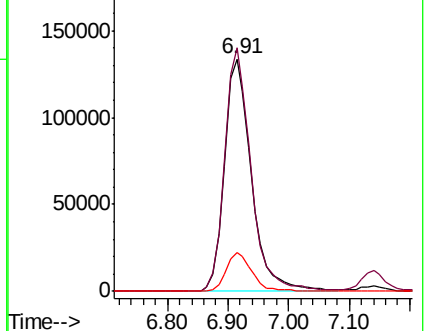
192 16.9 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 46.404 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

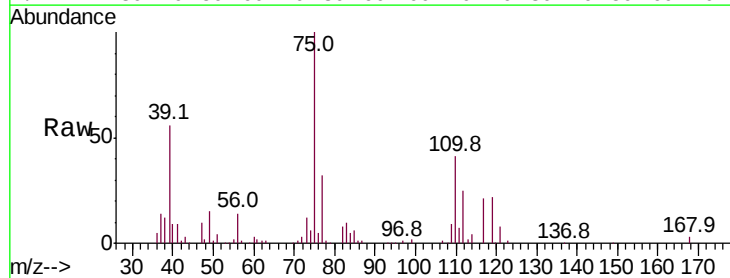
Tgt Ion: 75 Resp: 452533

Ion Ratio Lower Upper

75 100

110 41.3 19.7 59.1

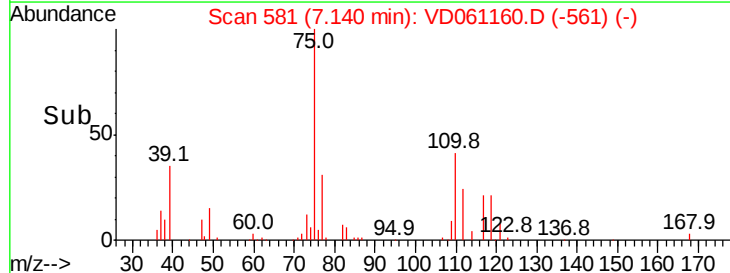
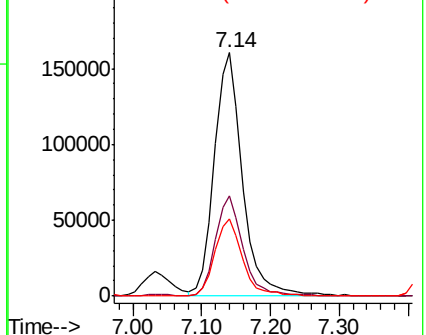
77 31.9 24.7 37.1

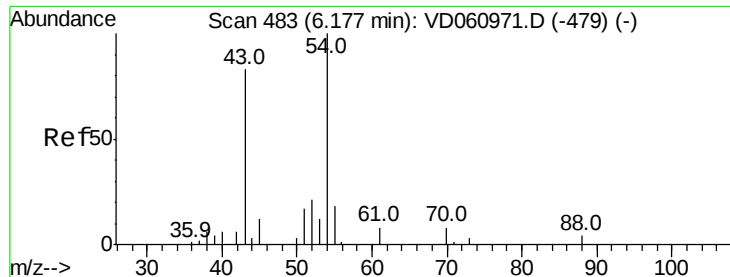


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 47.899 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

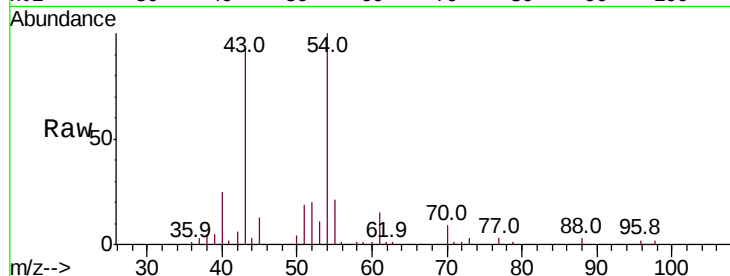
Tot Ion: 43 Resp: 219196

Ion Ratio Lower Upper

43 100

61 16.4 13.7 20.5

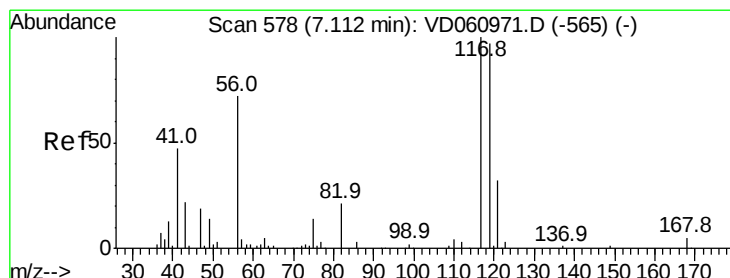
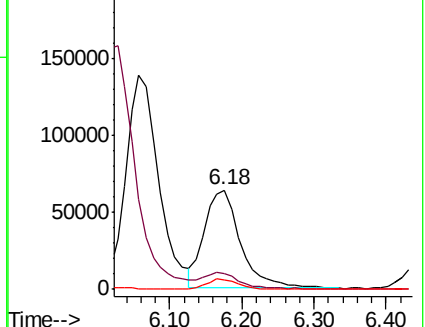
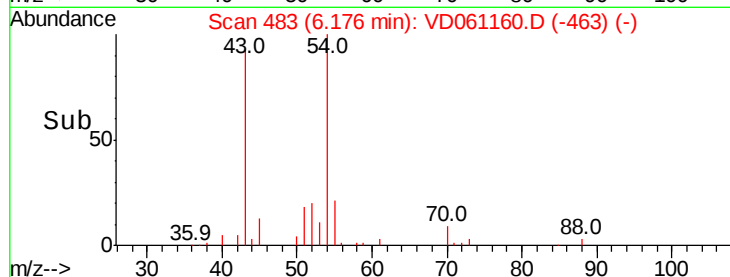
70 10.1 7.1 10.7



Abundance Ion 42.95 (42.65 to 43.65): VD061160.D (-463) (-)

Ion 60.95 (60.65 to 61.65): VD061160.D (-463) (-)

Ion 70.00 (69.70 to 70.70): VD061160.D (-463) (-)



#38

Carbon Tetrachloride

Concen: 52.580 ug/l

RT: 7.10 min Scan# 577

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

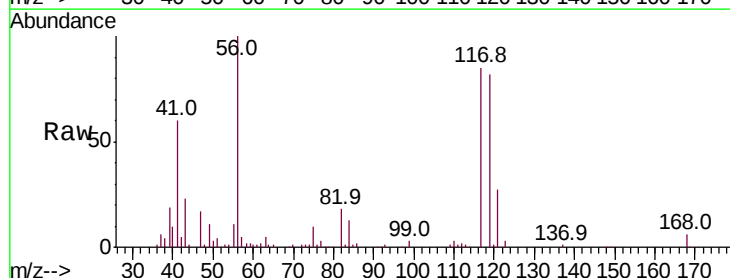
Tgt Ion: 117 Resp: 564814

Ion Ratio Lower Upper

117 100

119 96.8 77.8 116.8

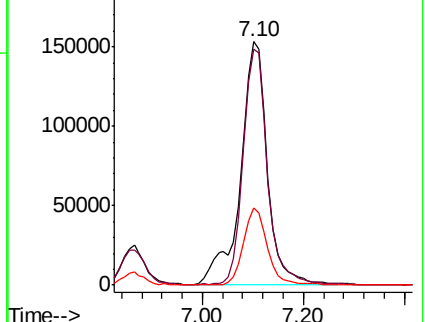
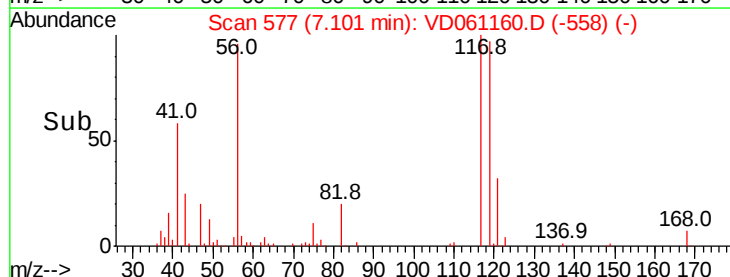
121 31.8 25.3 37.9

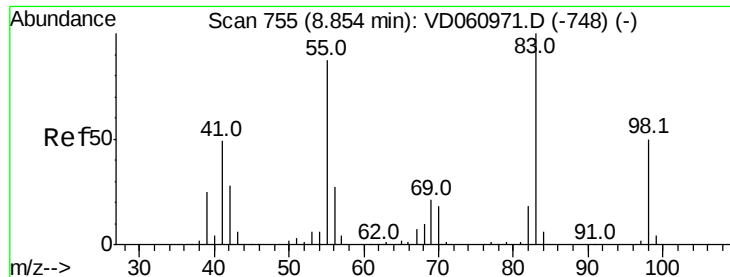


Abundance Ion 116.85 (116.55 to 117.55): VD061160.D (-558) (-)

Ion 118.85 (118.55 to 119.55): VD061160.D (-558) (-)

Ion 120.85 (120.55 to 121.55): VD061160.D (-558) (-)





#39

Methvlcvclohexane

Concen: 46.573 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

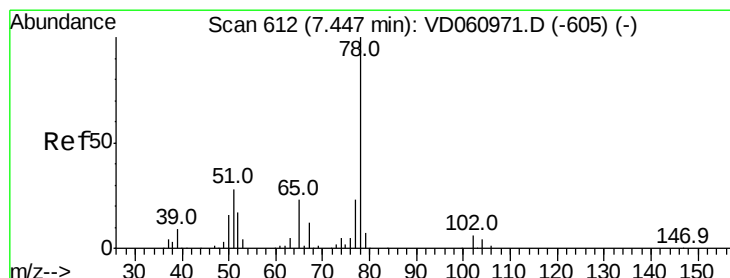
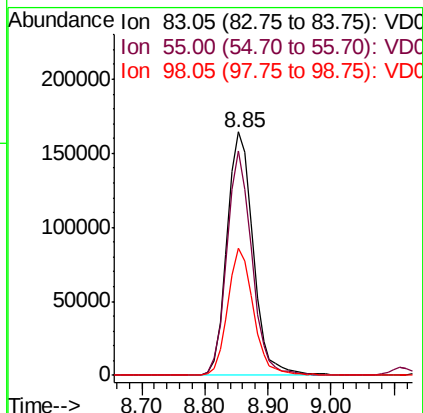
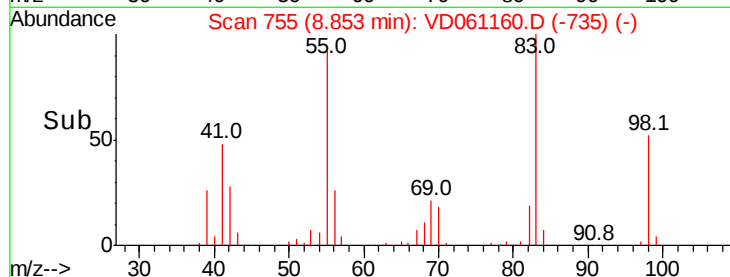
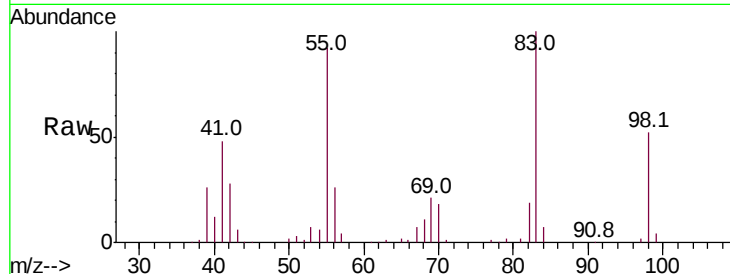
Tot Ion: 83 Resp: 470950

Ion Ratio Lower Upper

83 100

55 91.9 69.6 104.4

98 52.1 40.0 60.0



#40

Benzene

Concen: 46.994 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061160.D

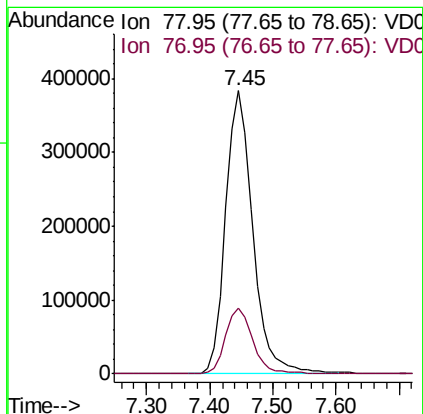
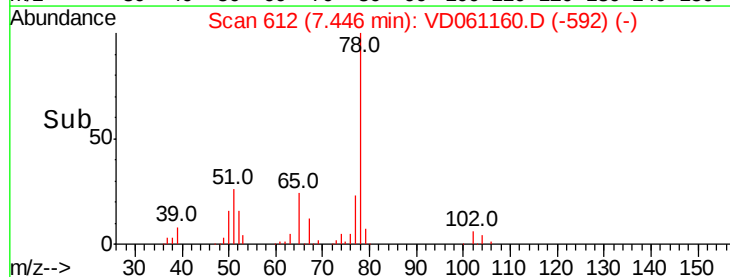
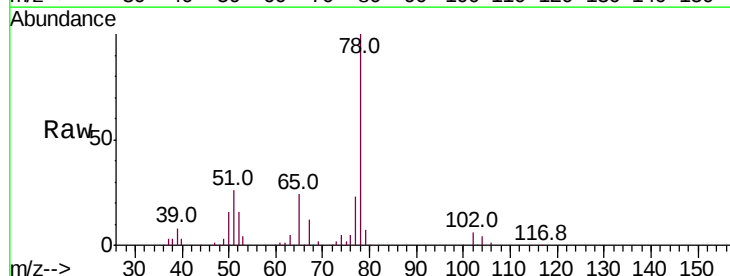
Acq: 18 Mar 2019 23:27

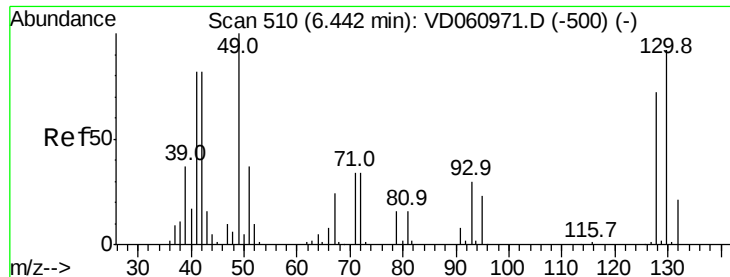
Tgt Ion: 78 Resp: 1145131

Ion Ratio Lower Upper

78 100

77 23.1 18.8 28.2

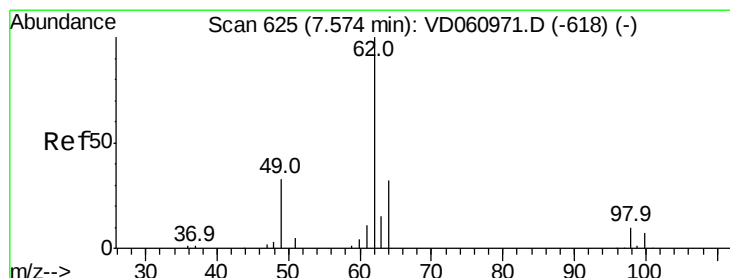
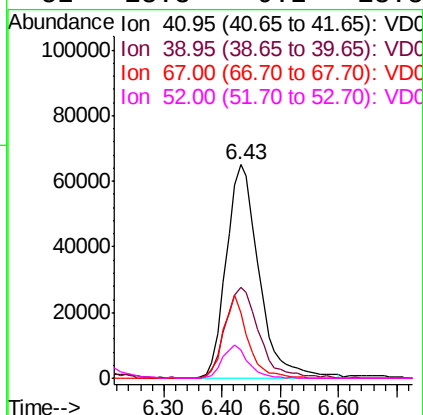
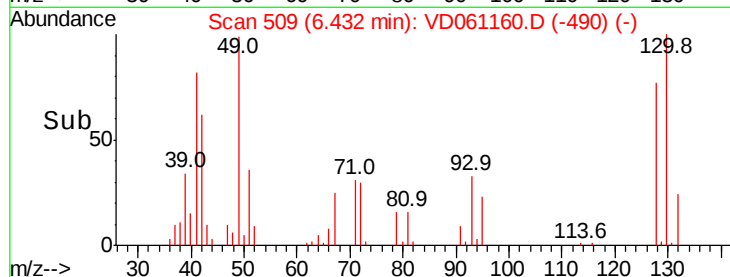
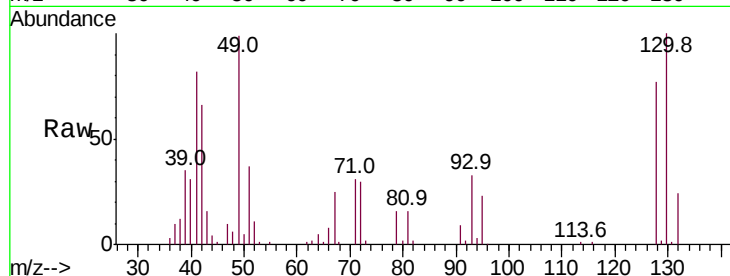




#41
Methacrylonitrile
Concen: 48.312 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

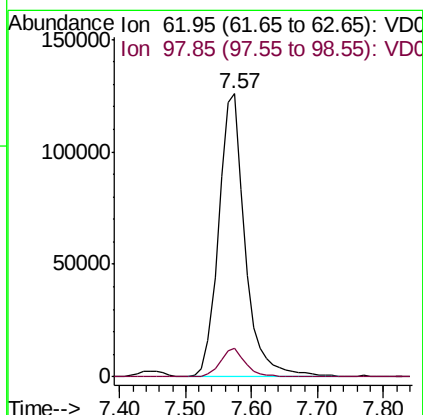
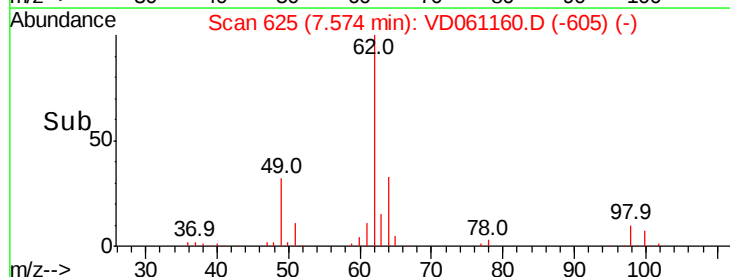
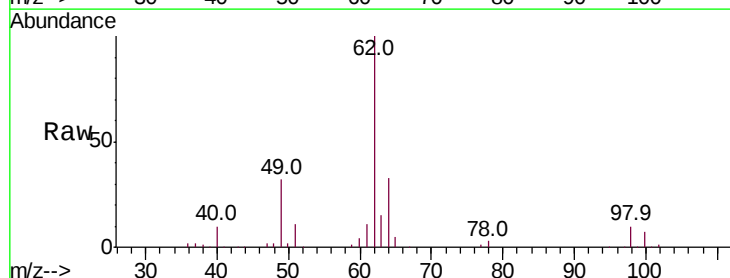
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

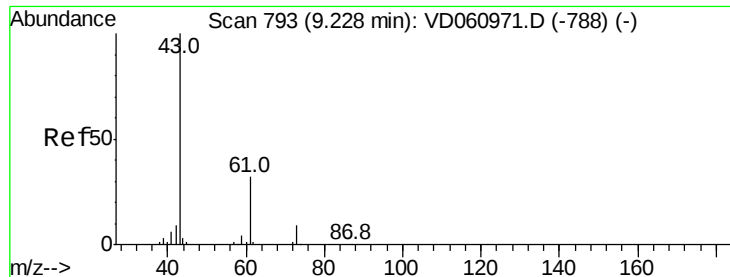
Tot Ion: 41 Resp: 254299
Ion Ratio Lower Upper
41 100
39 42.7 35.7 53.5
67 30.6 23.0 34.6
52 13.3 9.2 13.8



#42
1,2-Dichloroethane
Concen: 49.722 ug/l
RT: 7.57 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion: 62 Resp: 351609
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.4





#43

Isopropyl Acetate

Concen: 48.154 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

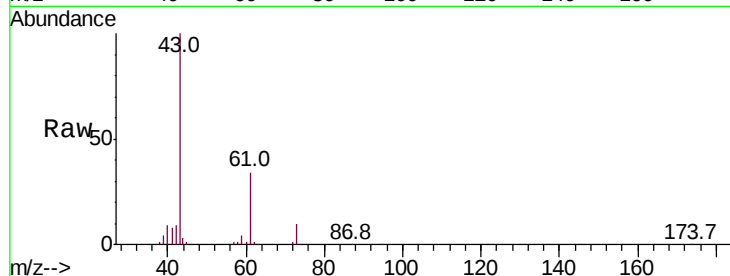
Tot Ion: 43 Resp: 305211

Ion Ratio Lower Upper

43 100

61 33.9 25.6 38.4

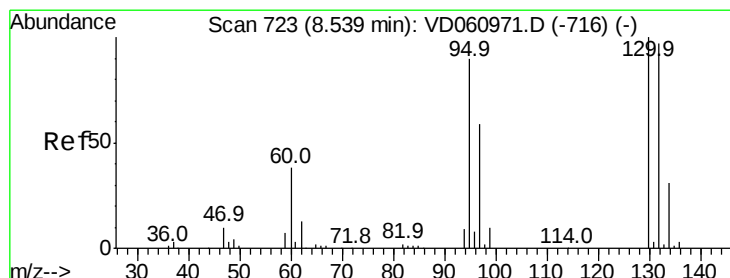
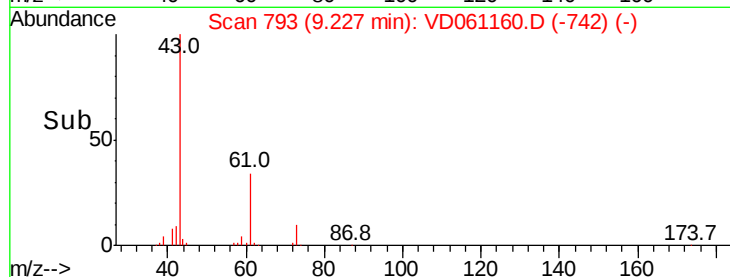
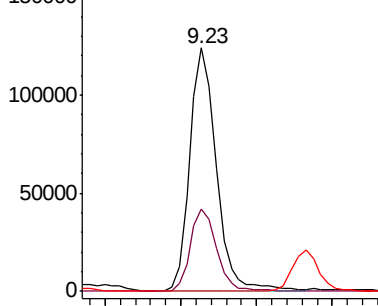
87 0.4 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.683 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD061160.D

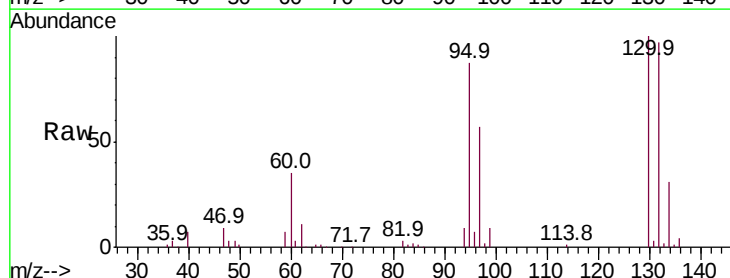
Acq: 18 Mar 2019 23:27

Tgt Ion:130 Resp: 417670

Ion Ratio Lower Upper

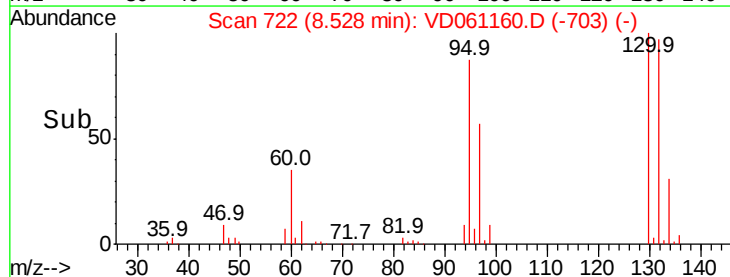
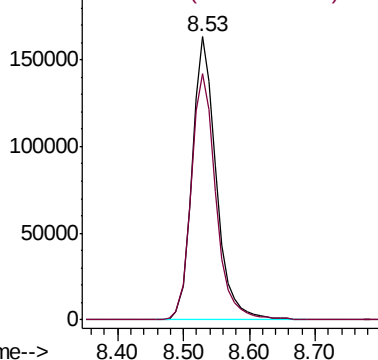
130 100

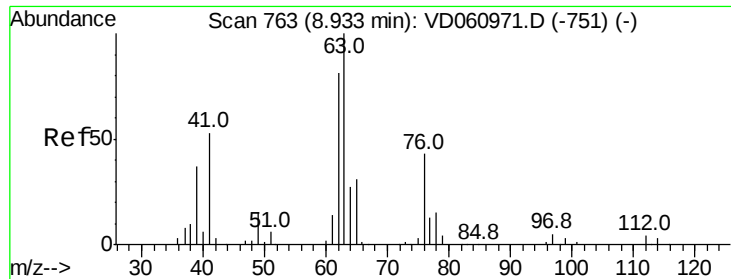
95 86.8 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.755 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

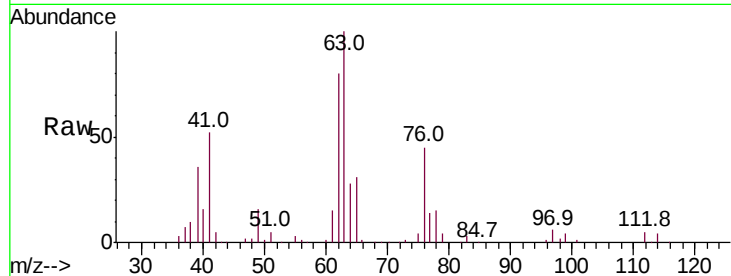
VSTDCCC050

Tot Ion: 63 Resp: 305726

Ion Ratio Lower Upper

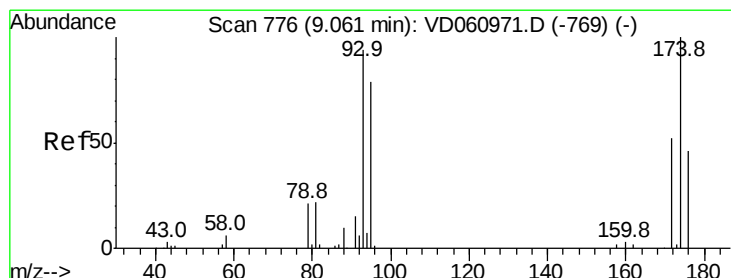
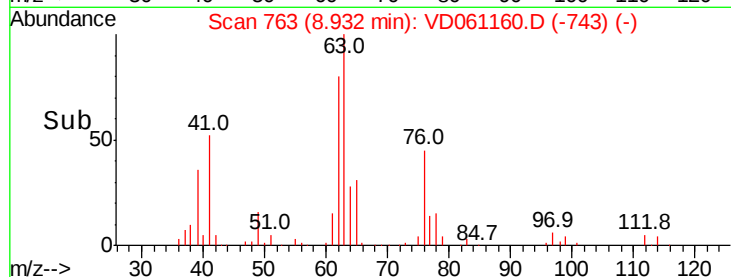
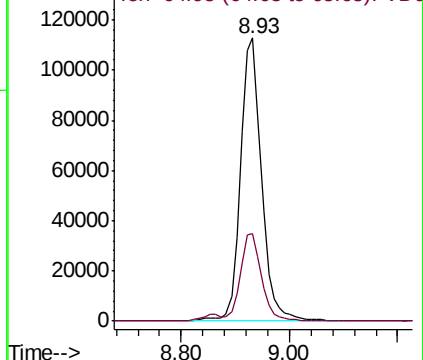
63 100

65 31.1 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 49.545 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

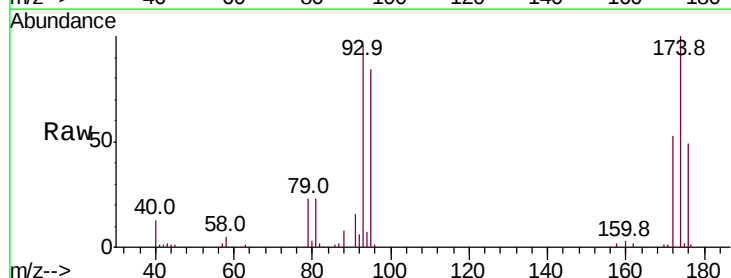
Tgt Ion: 93 Resp: 201198

Ion Ratio Lower Upper

93 100

95 87.6 67.4 101.0

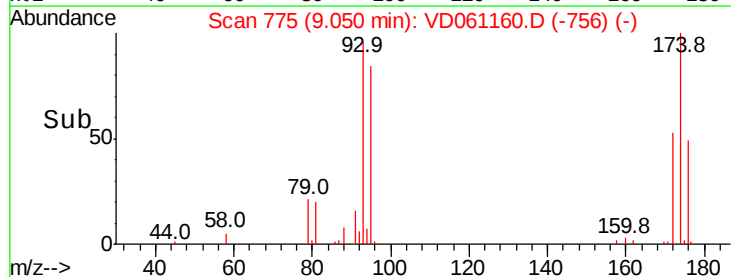
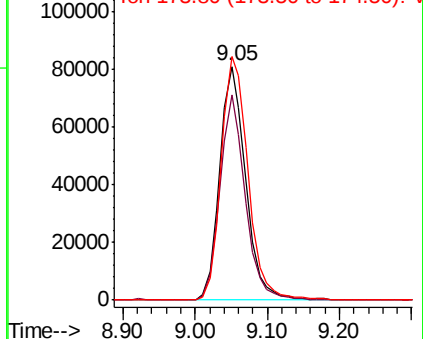
174 104.1 85.4 128.0

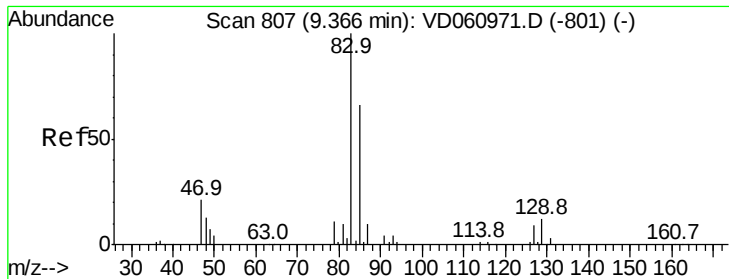


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 52.228 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

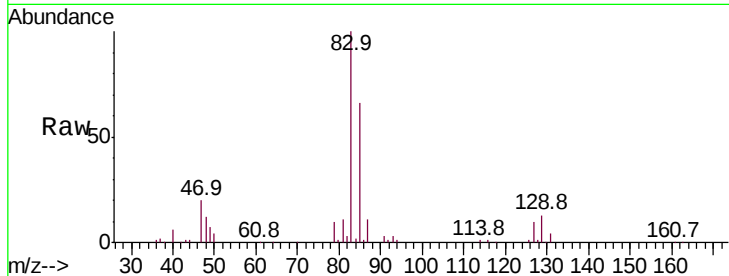
Tot Ion: 83 Resp: 478611

Ion Ratio Lower Upper

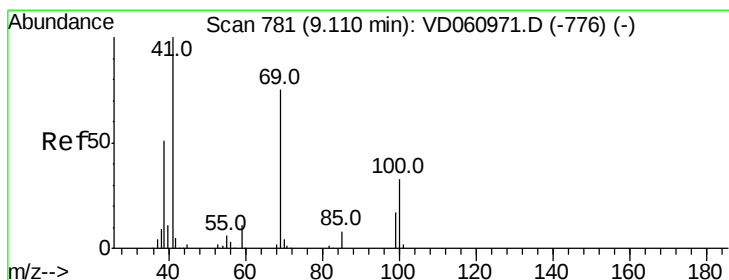
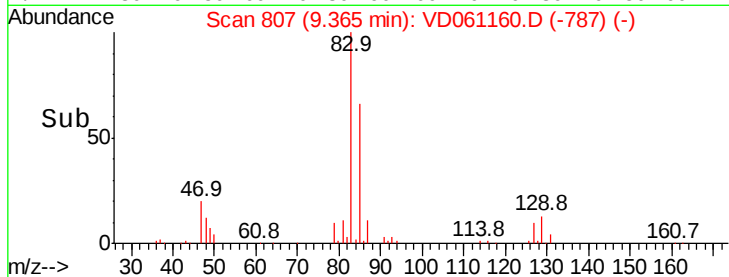
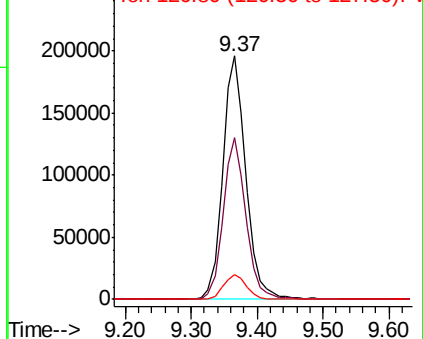
83 100

85 66.2 52.5 78.7

127 10.1 7.5 11.3



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: 49.607 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

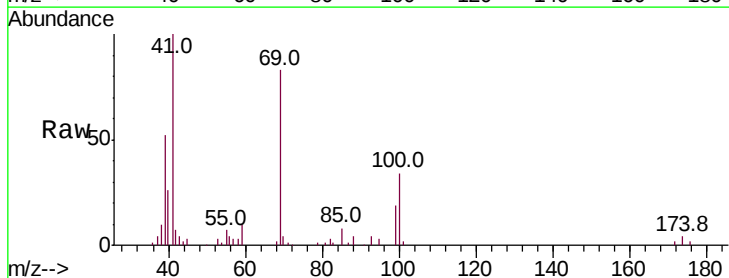
Tgt Ion: 41 Resp: 177031

Ion Ratio Lower Upper

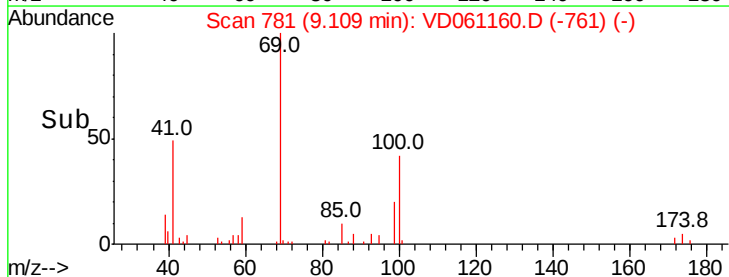
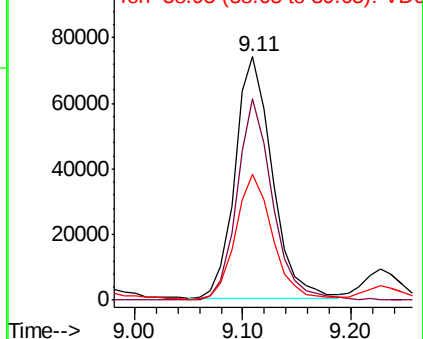
41 100

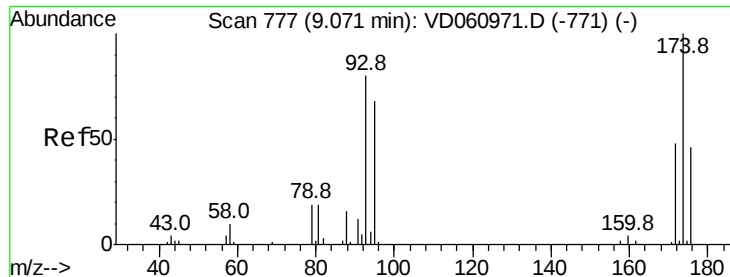
69 82.7 59.9 89.9

39 51.6 40.9 61.3



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

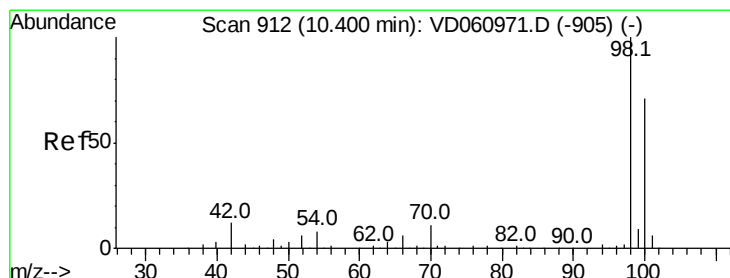
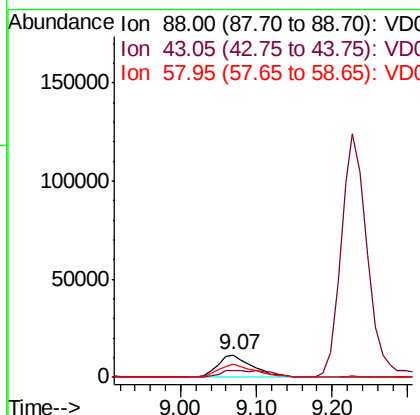
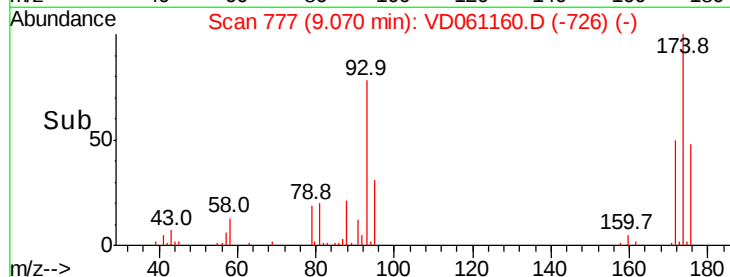
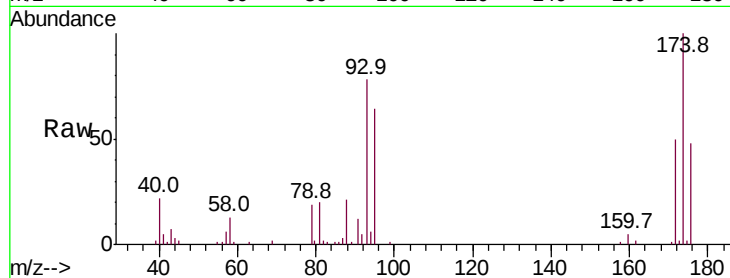




#49
1,4-Dioxane
Concen: 1030.627 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

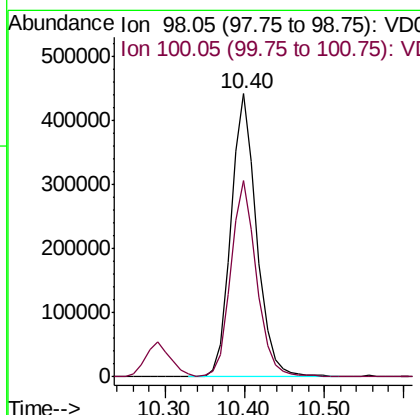
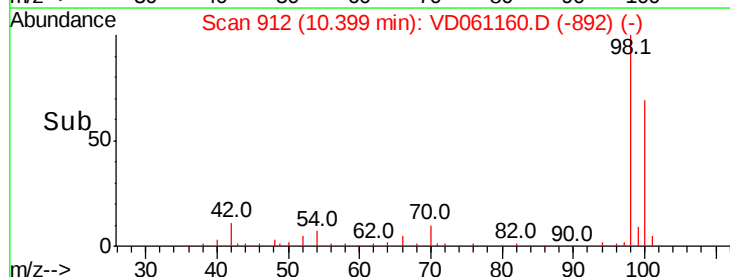
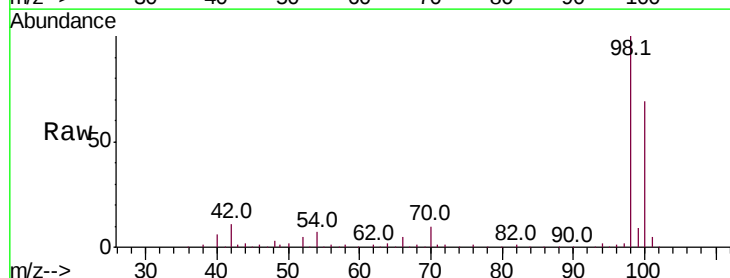
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

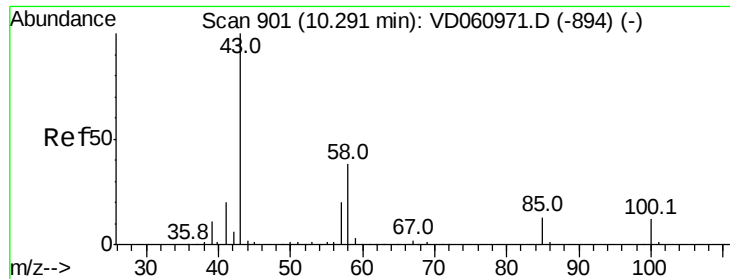
Tot Ion: 88 Resp: 37191
Ion Ratio Lower Upper
88 100
43 32.2 21.0 31.6#
58 61.7 48.6 72.8



#50
Toluene-d8
Concen: 1030.627 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion: 98 Resp: 991710
Ion Ratio Lower Upper
98 100
100 69.4 57.4 86.2

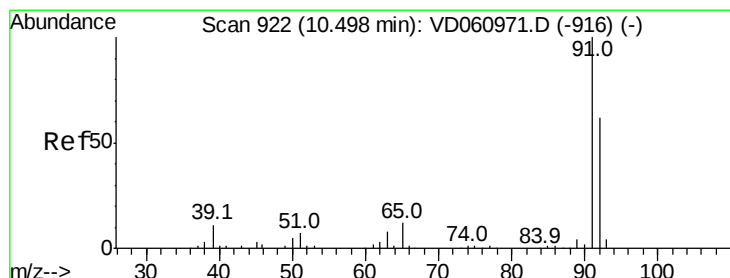
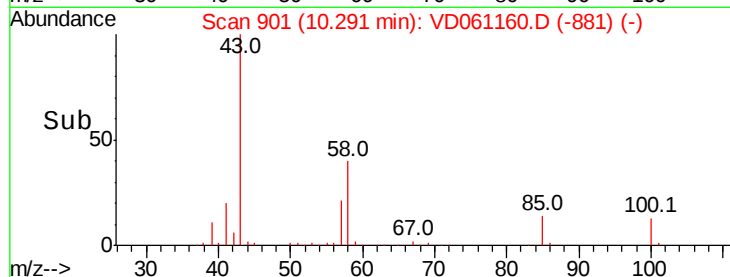
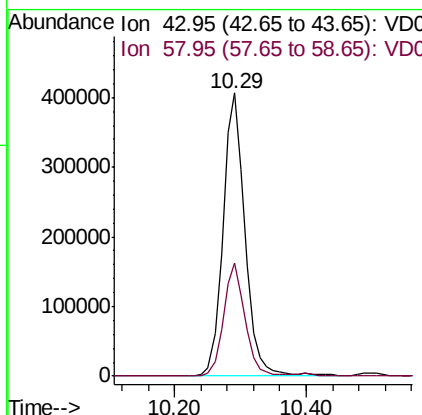
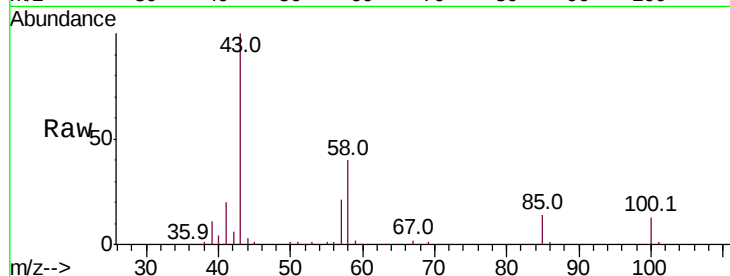




#51
4-Methyl-2-Pentanone
Concen: 243.296 ug/l
RT: 10.29 min Scan# 901
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

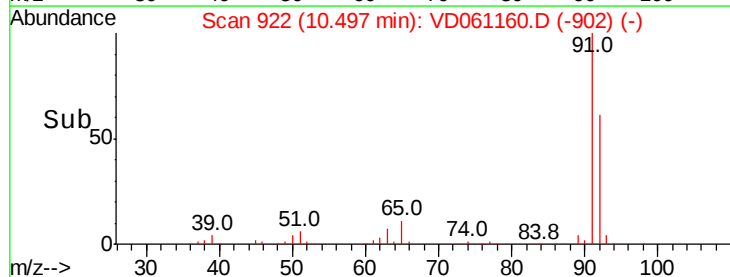
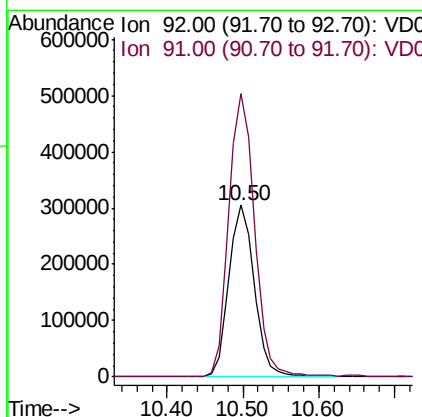
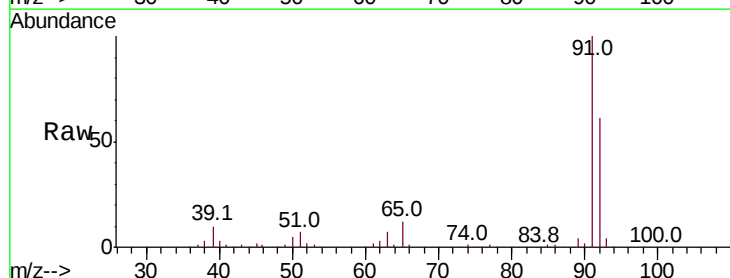
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

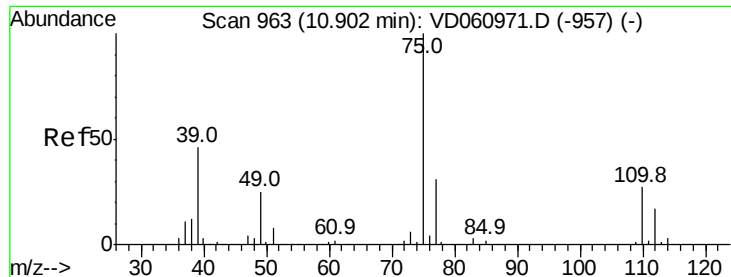
Tot Ion: 43 Resp: 944718
Ion Ratio Lower Upper
43 100
58 40.0 30.2 45.2



#52
Toluene
Concen: 46.953 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion: 92 Resp: 711463
Ion Ratio Lower Upper
92 100
91 164.9 129.8 194.8





#53

t-1,3-Dichloropropene

Concen: 48.246 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

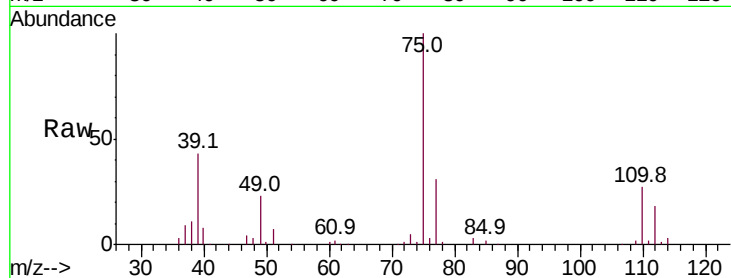
VSTDCCC050

Tot Ion: 75 Resp: 404270

Ion Ratio Lower Upper

75 100

77 30.7 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.90

200000

150000

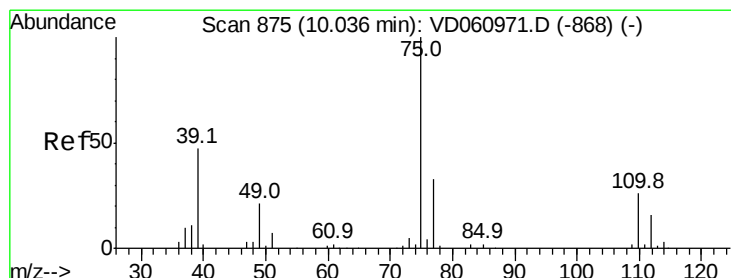
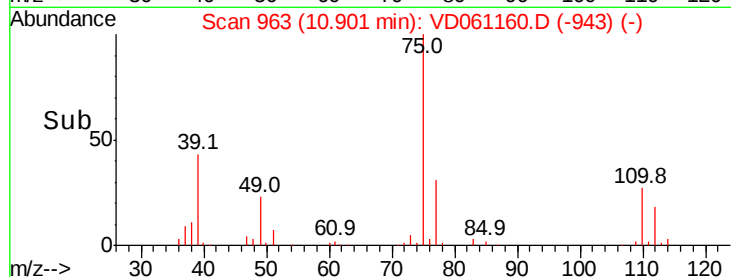
100000

50000

0

Time-->

10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 52.464 ug/l

RT: 10.02 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

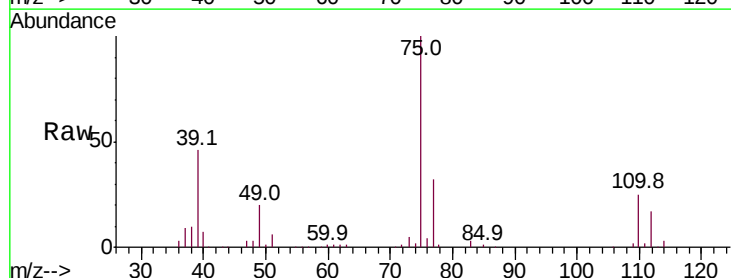
Tgt Ion: 75 Resp: 528201

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.4

39 46.3 37.8 56.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.02

300000

250000

200000

150000

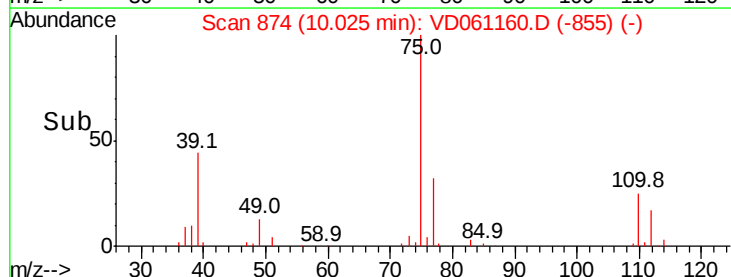
100000

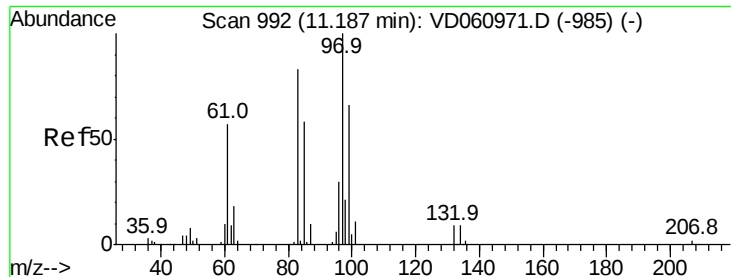
50000

0

Time-->

9.90 10.00 10.10 10.20

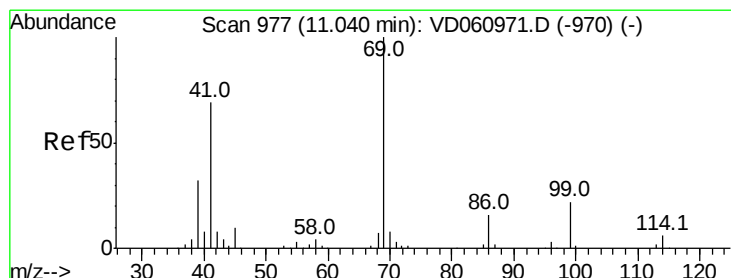
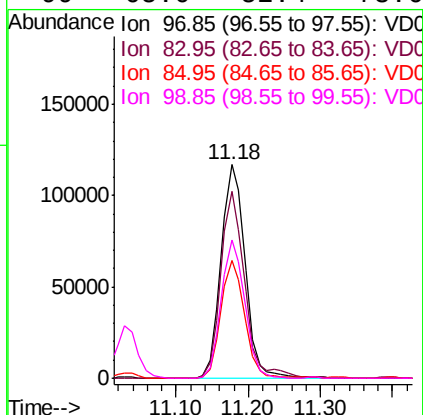
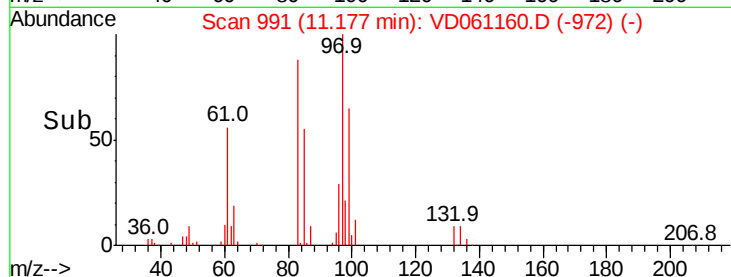
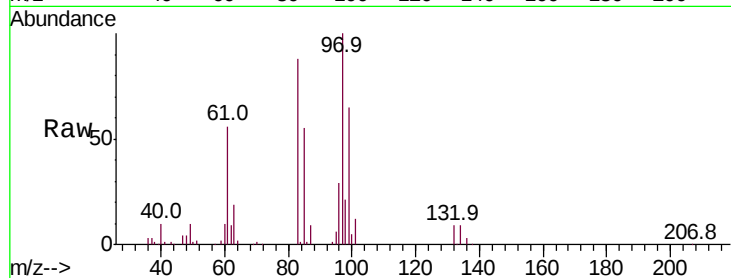




#55
 1,1,2-Trichloroethane
 Concen: 53.339 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

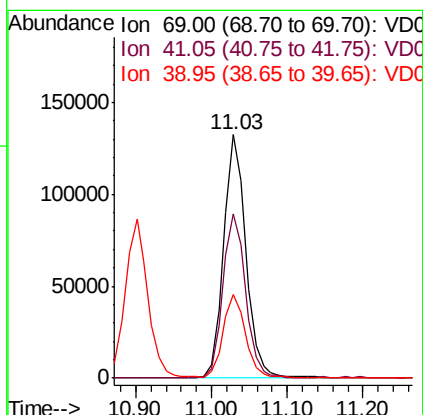
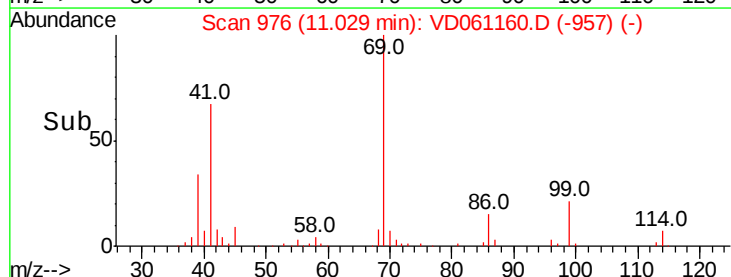
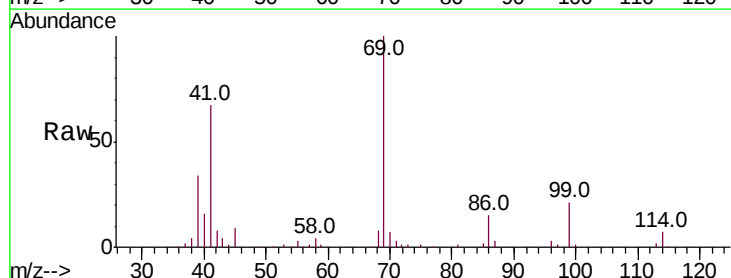
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

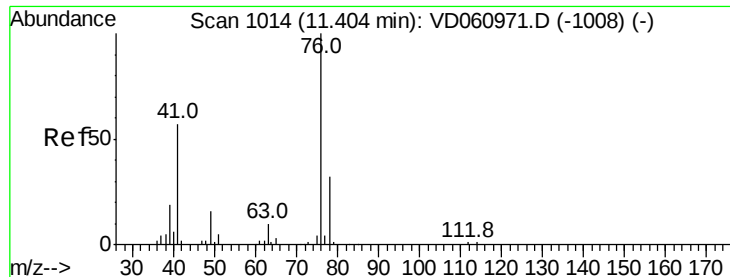
Tot Ion:	97	Resp:	269158
Ion	Ratio	Lower	Upper
97	100		
83	87.7	66.6	100.0
85	55.0	46.4	69.6
99	65.0	52.4	78.6



#56
 Ethyl methacrylate
 Concen: 51.006 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion:	69	Resp:	269408
Ion	Ratio	Lower	Upper
69	100		
41	67.2	55.5	83.3
39	34.4	26.2	39.2





#57

1,3-Dichloropropane

Concen: 51.152 ug/l

RT: 11.39 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

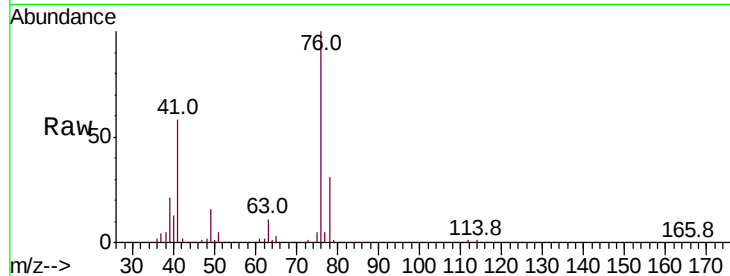
VSTDCCC050

Tot Ion: 76 Resp: 385739

Ion Ratio Lower Upper

76 100

78 31.2 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.39

200000

150000

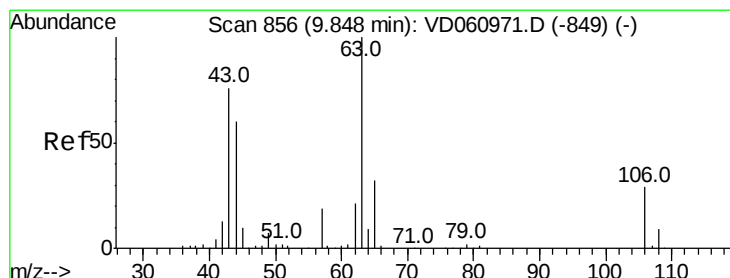
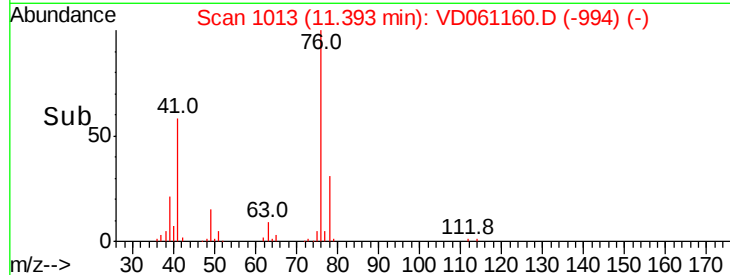
100000

50000

0

11.30 11.40 11.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 250.683 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD061160.D

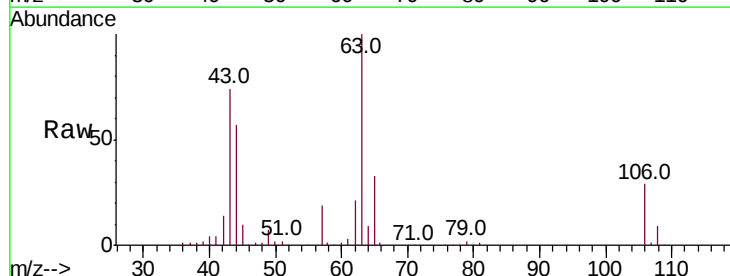
Acq: 18 Mar 2019 23:27

Tgt Ion: 63 Resp: 700870

Ion Ratio Lower Upper

63 100

106 28.8 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

300000

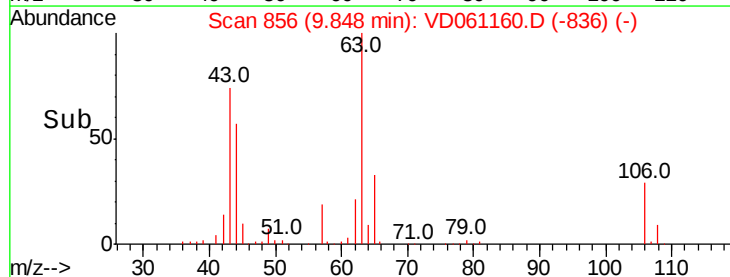
200000

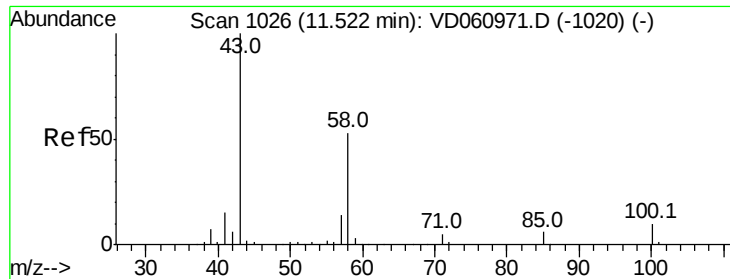
100000

0

9.70 9.80 9.90 10.00

Time-->





#59

2-Hexanone

Concen: 233.403 ug/l

RT: 11.52 min Scan# 1026

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

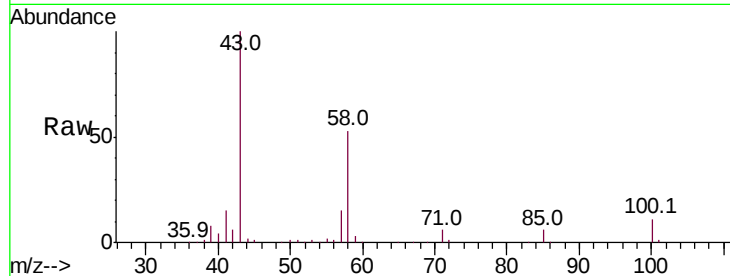
VSTDCCC050

Tot Ion: 43 Resp: 662956

Ion Ratio Lower Upper

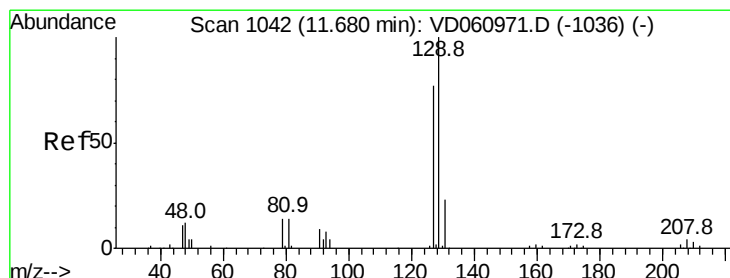
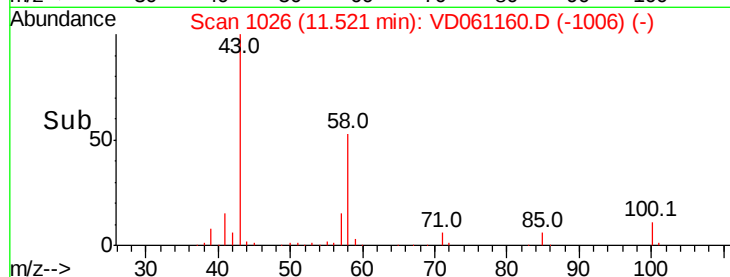
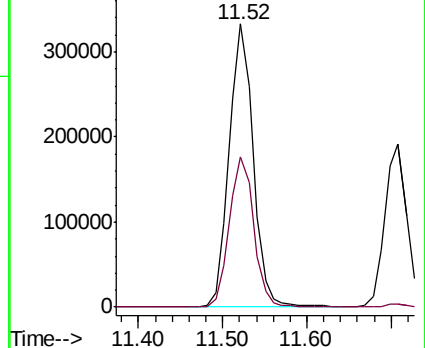
43 100

58 53.3 26.5 79.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 53.403 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VD061160.D

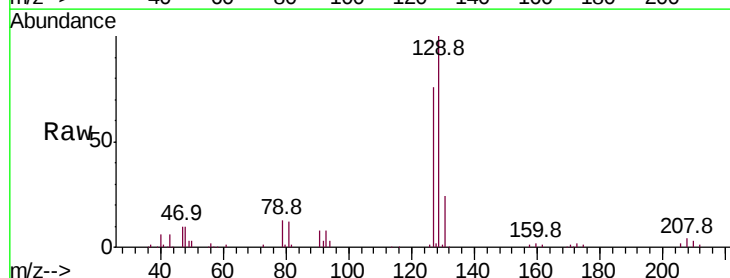
Acq: 18 Mar 2019 23:27

Tgt Ion: 129 Resp: 396597

Ion Ratio Lower Upper

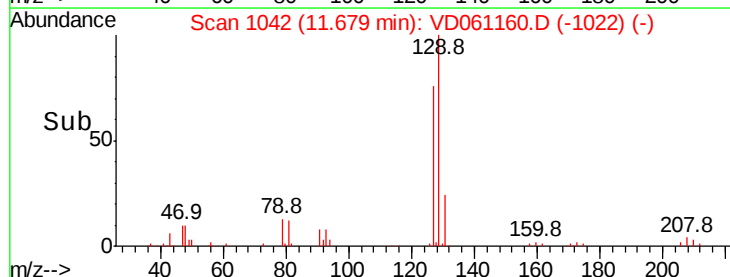
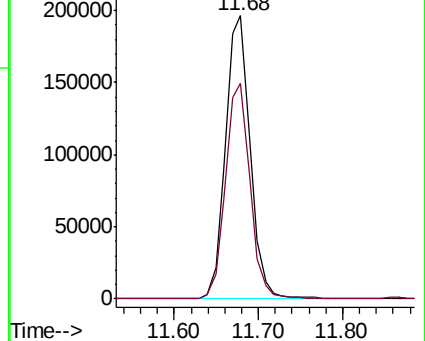
129 100

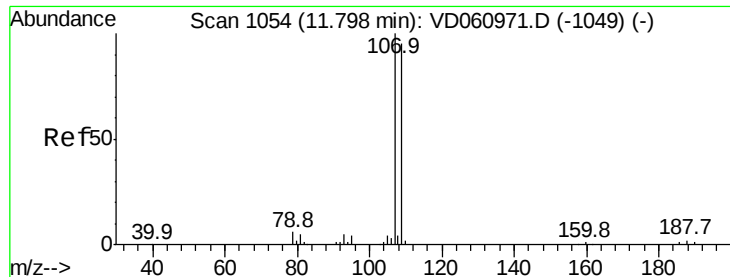
127 76.3 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

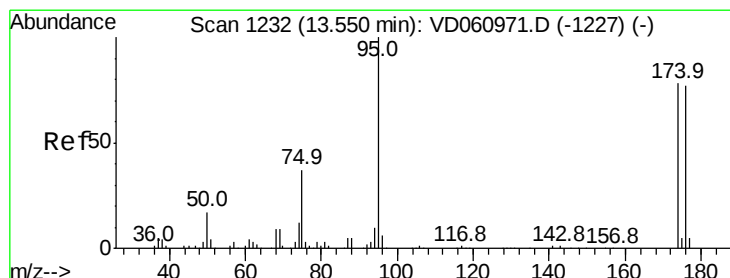
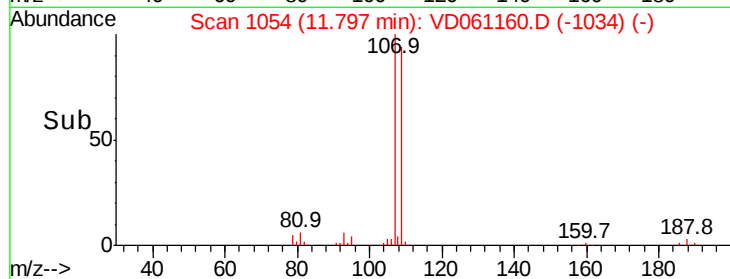
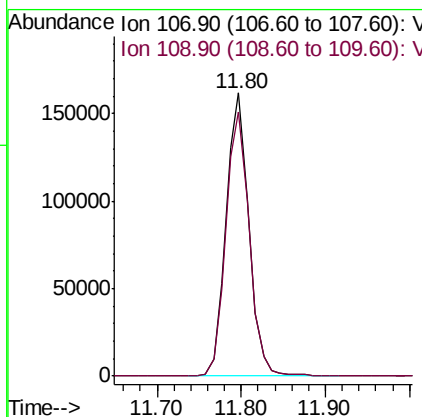
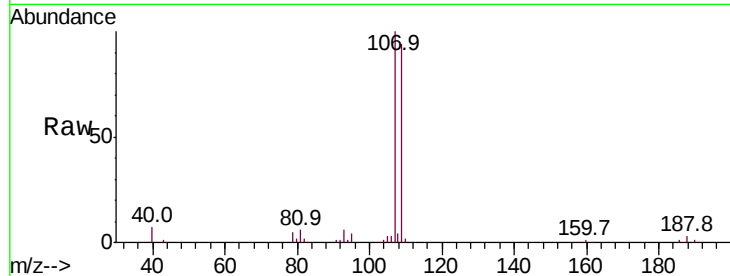




#61
1,2-Dibromoethane
Concen: 51.765 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

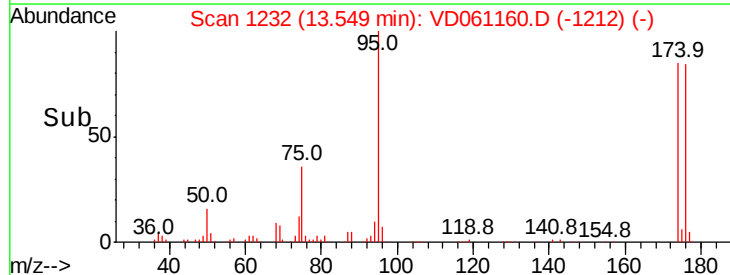
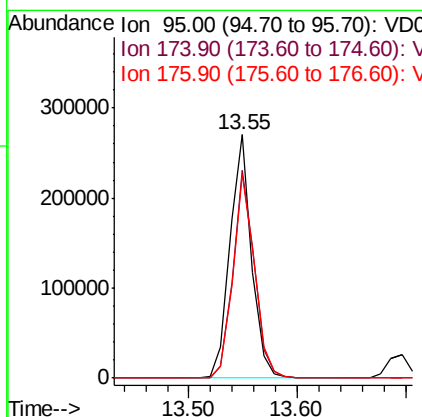
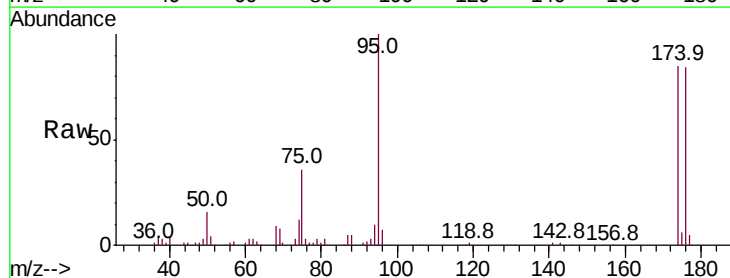
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

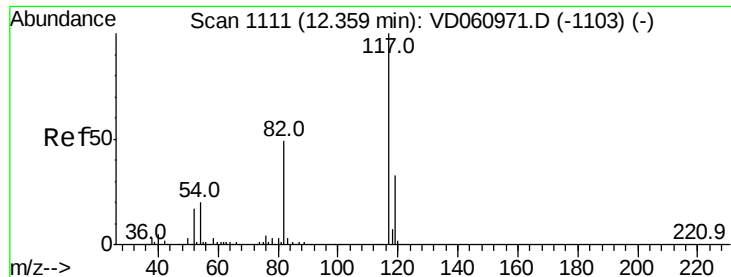
Tot Ion:107 Resp: 303872
Ion Ratio Lower Upper
107 100
109 93.6 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 51.765 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion: 95 Resp: 375048
Ion Ratio Lower Upper
95 100
174 85.4 0.0 155.6
176 83.6 0.0 153.8

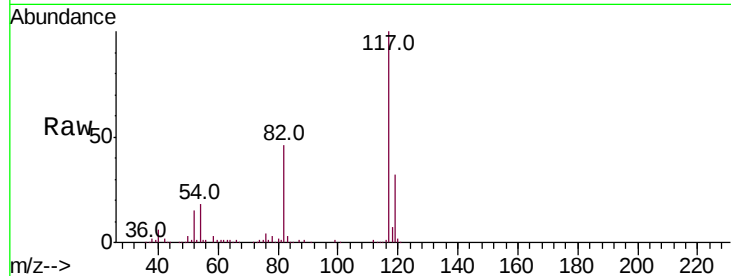




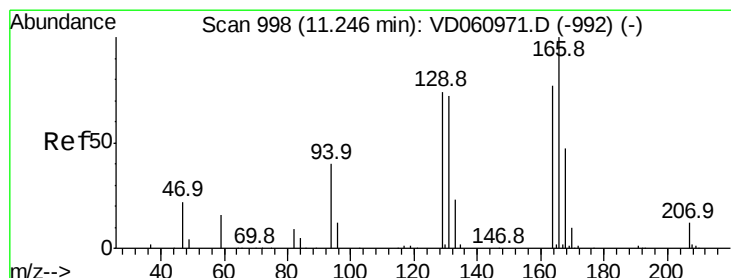
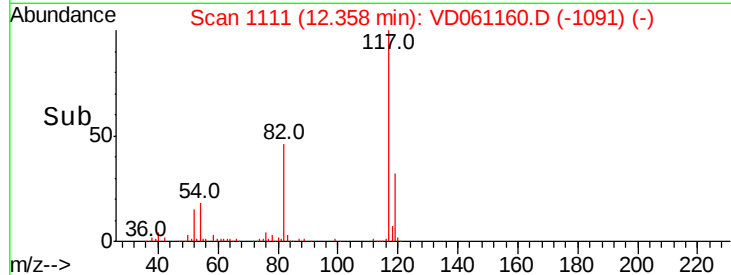
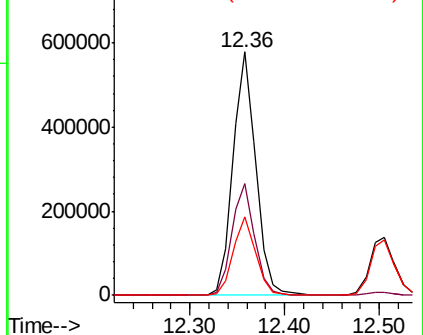
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 967132
Ion Ratio Lower Upper
117 100
82 45.8 38.9 58.3
119 32.4 26.6 39.8

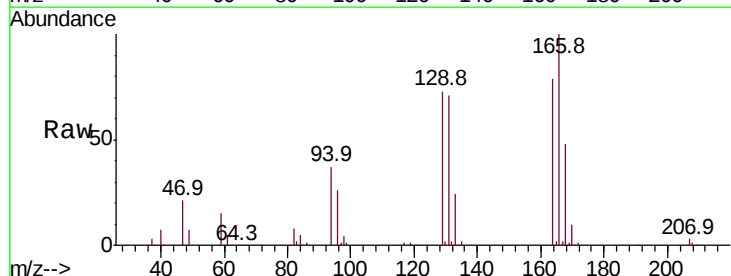


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

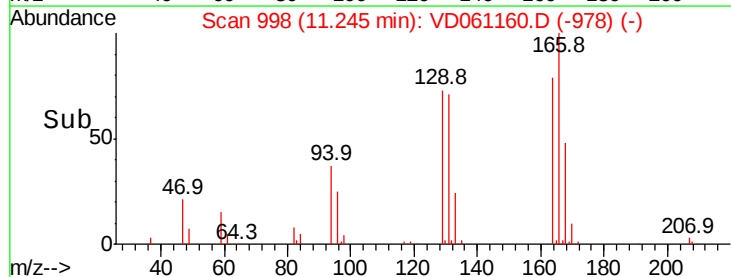
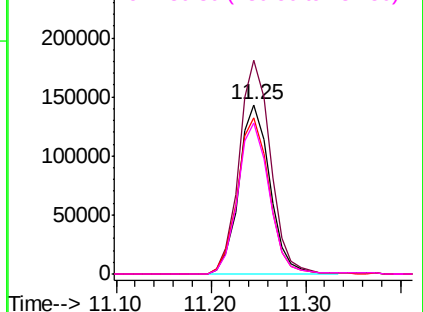


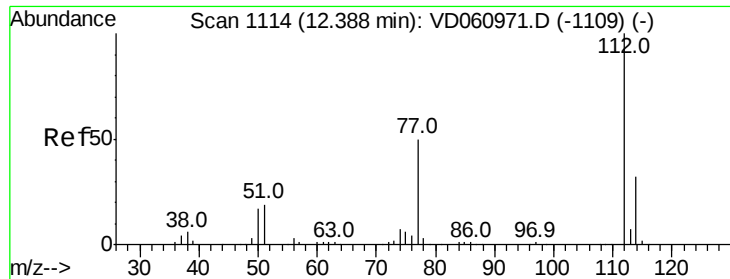
#64
Tetrachloroethene
Concen: 49.992 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion:164 Resp: 326377
Ion Ratio Lower Upper
164 100
166 126.0 103.4 155.0
129 92.2 76.9 115.3
131 89.5 74.4 111.6



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

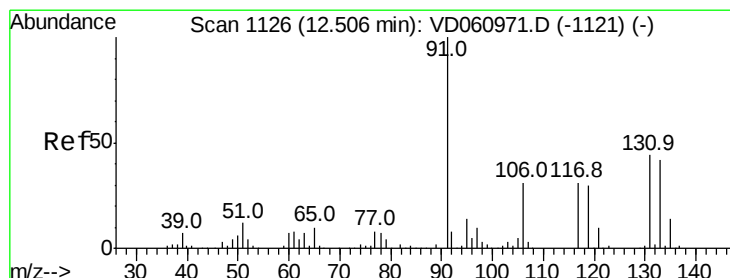
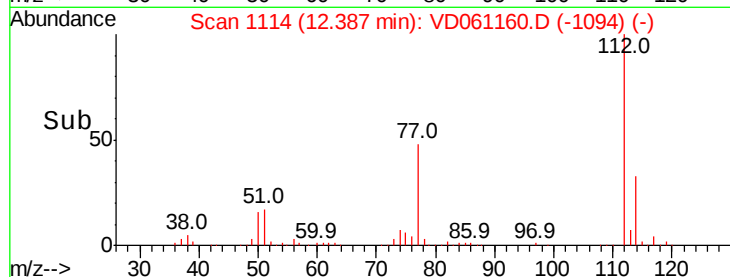
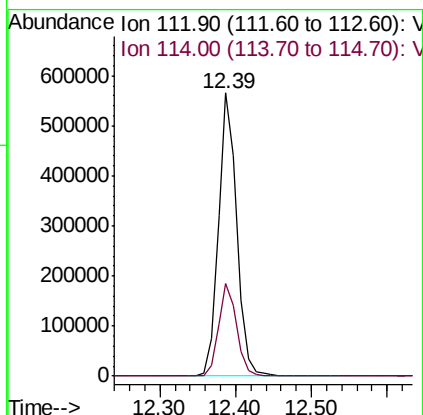
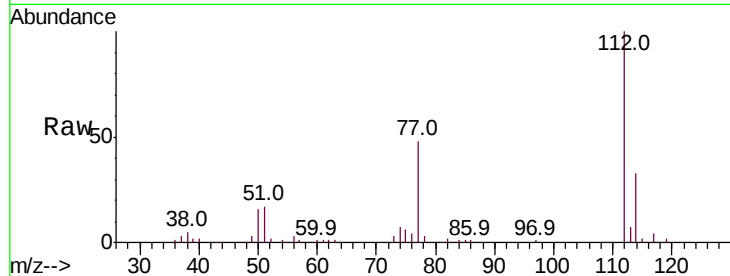




#65
Chlorobenzene
Concen: 50.378 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

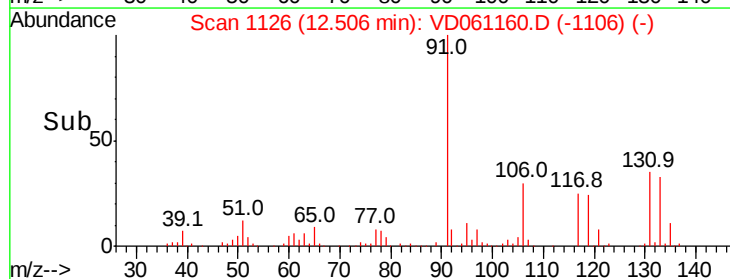
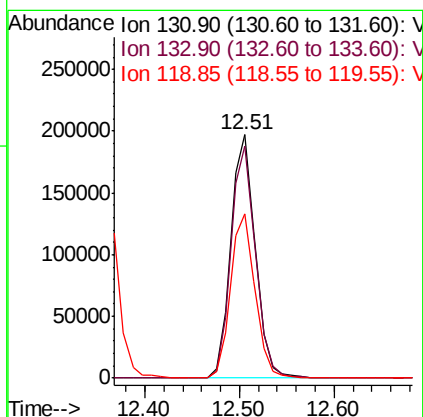
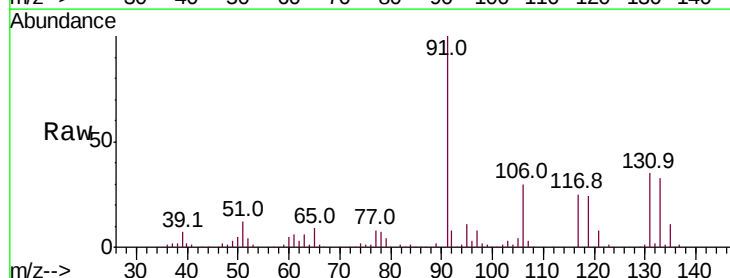
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

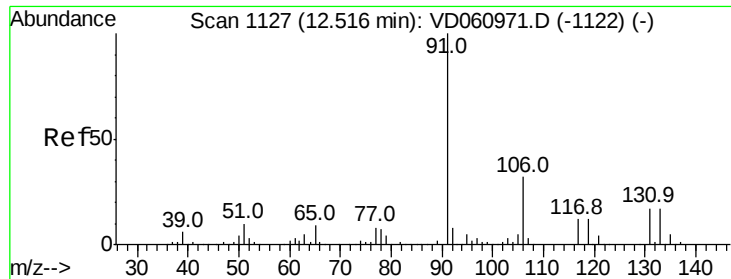
Tot Ion:112 Resp: 955156
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.072 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion:131 Resp: 351920
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 67.4 34.3 102.9





#67

Ethyl Benzene

Concen: 47.340 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

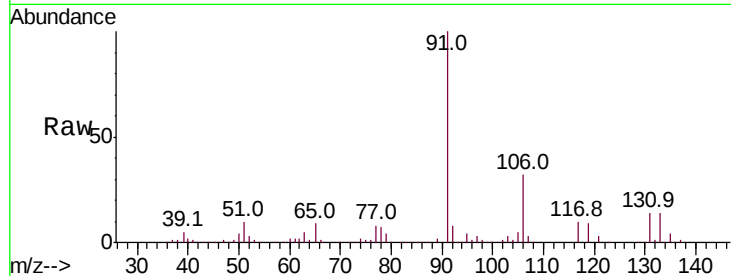
VSTDCCC050

Tot Ion: 91 Resp: 1336242

Ion Ratio Lower Upper

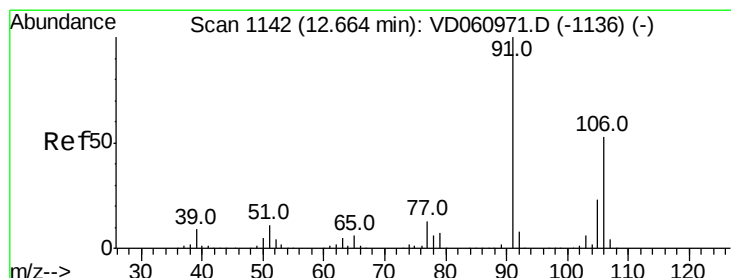
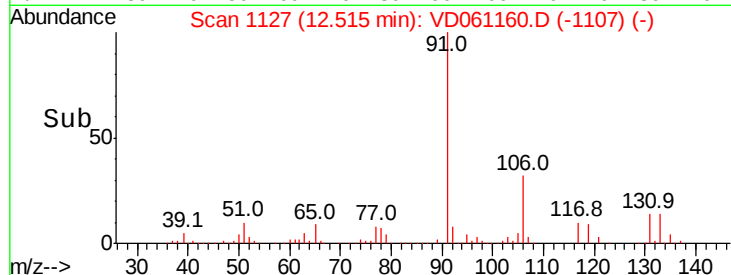
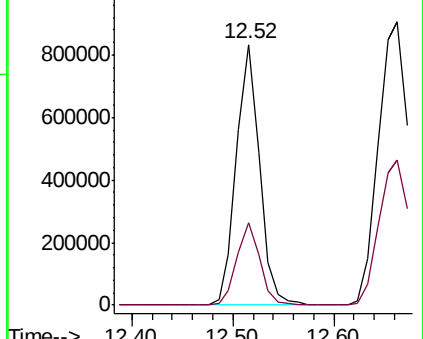
91 100

106 31.7 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 87.796 ug/l

RT: 12.66 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VD061160.D

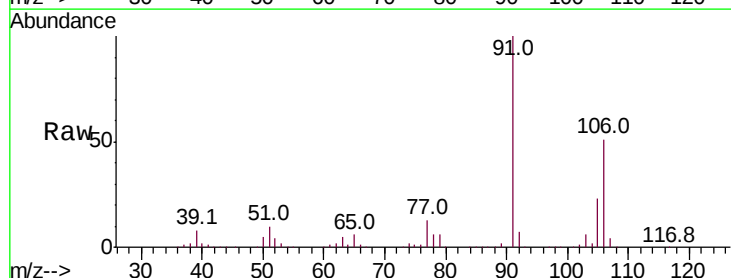
Acq: 18 Mar 2019 23:27

Tgt Ion: 106 Resp: 972667

Ion Ratio Lower Upper

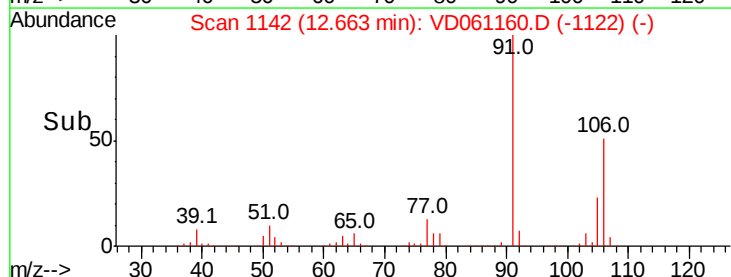
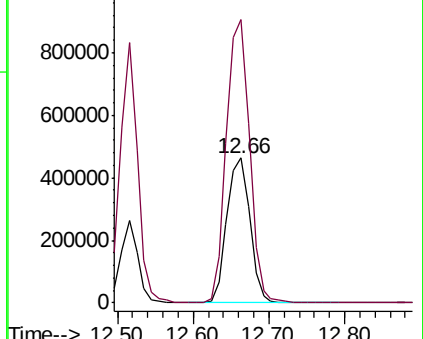
106 100

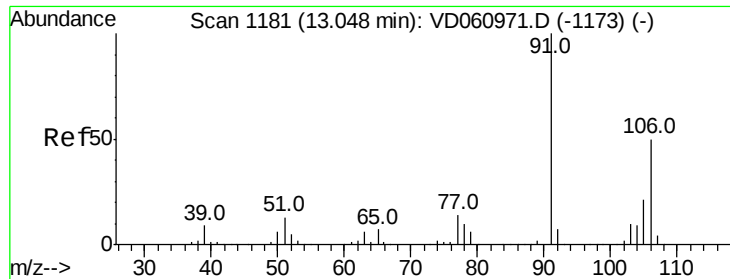
91 195.8 152.0 228.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

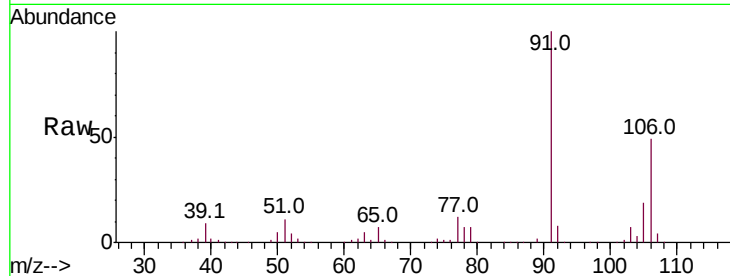




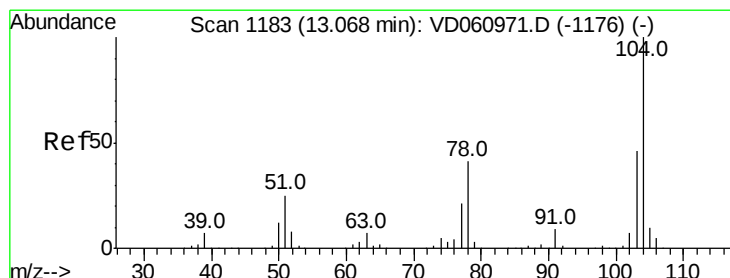
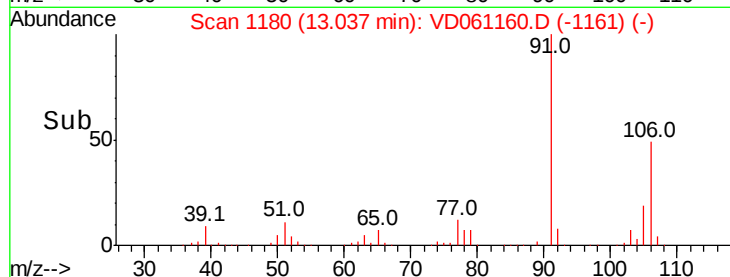
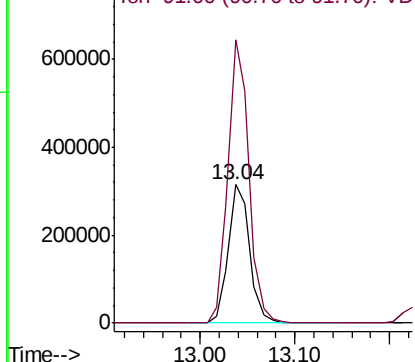
#69
o-Xylene
Concen: 45.400 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 494408
Ion Ratio Lower Upper
106 100
91 204.2 99.8 299.3

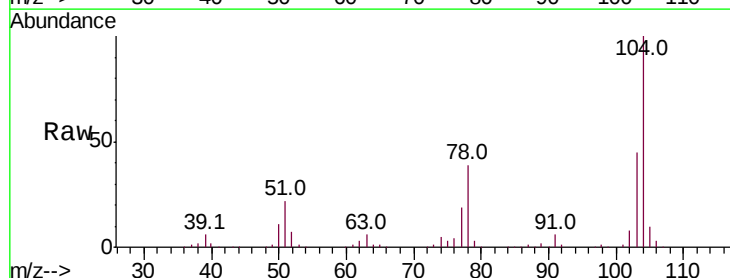


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

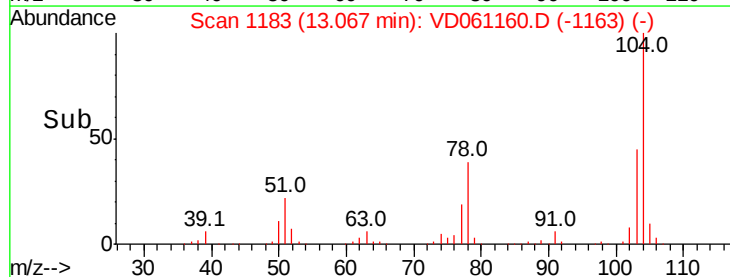
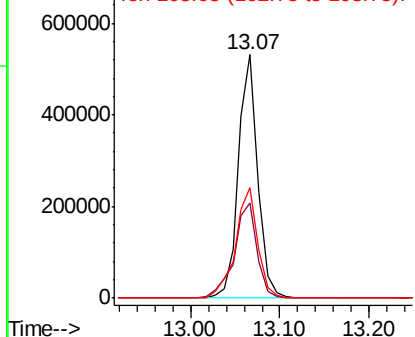


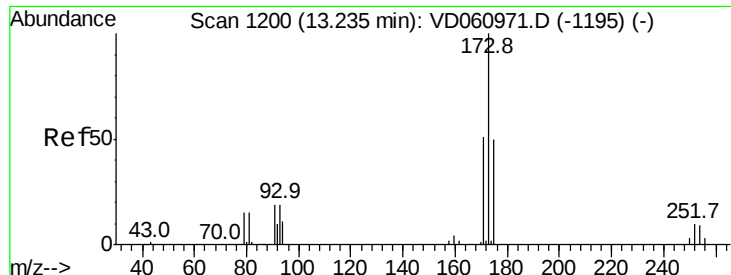
#70
Styrene
Concen: 45.226 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion:104 Resp: 804229
Ion Ratio Lower Upper
104 100
78 39.2 33.0 49.4
103 45.2 37.1 55.7



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: 51.204 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

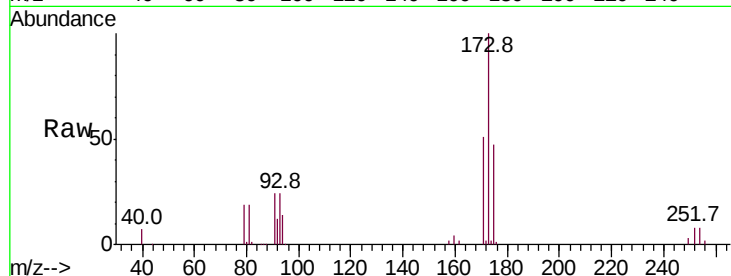
Tot Ion:173 Resp: 223242

Ion Ratio Lower Upper

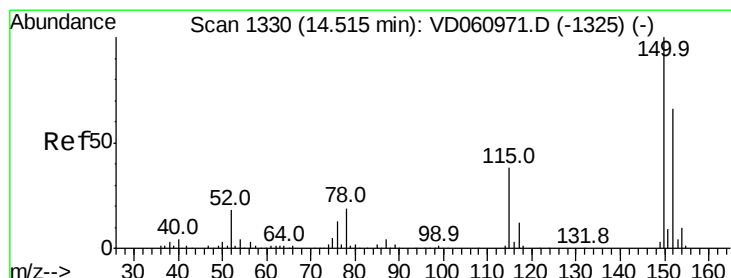
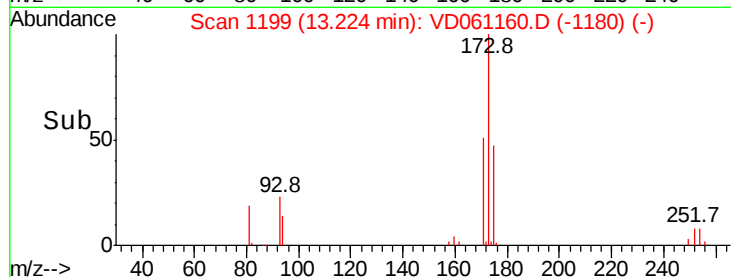
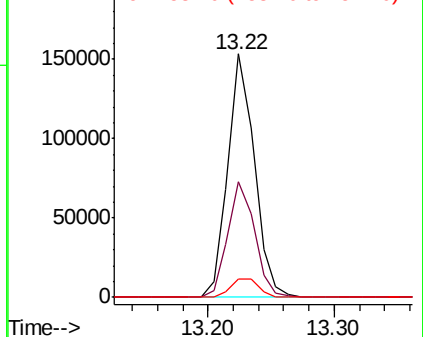
173 100

175 47.2 24.9 74.8

254 7.5 7.3 10.9



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: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

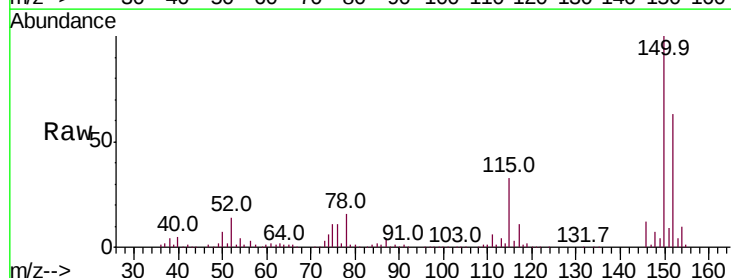
Tgt Ion:152 Resp: 375079

Ion Ratio Lower Upper

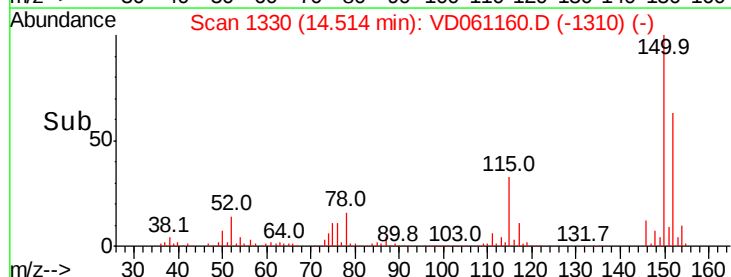
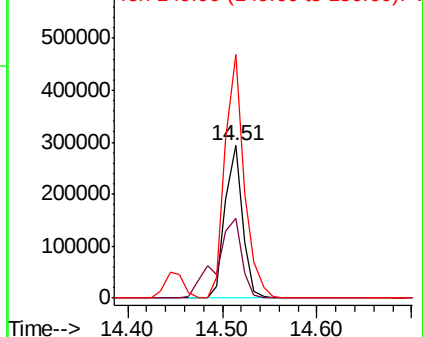
152 100

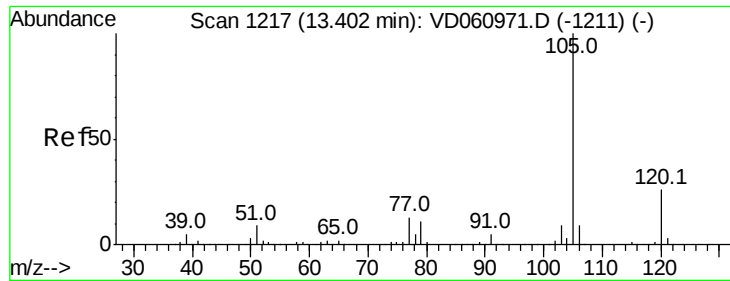
115 52.7 28.6 85.9

150 159.9 0.0 310.6



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: 51.106 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

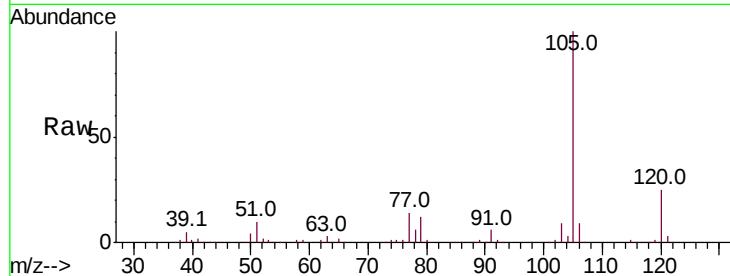
VSTDCCC050

Tot Ion:105 Resp: 1381461

Ion Ratio Lower Upper

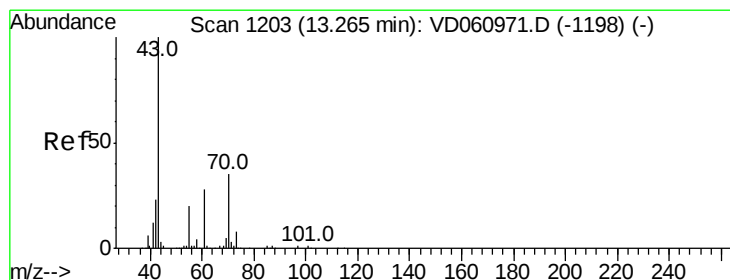
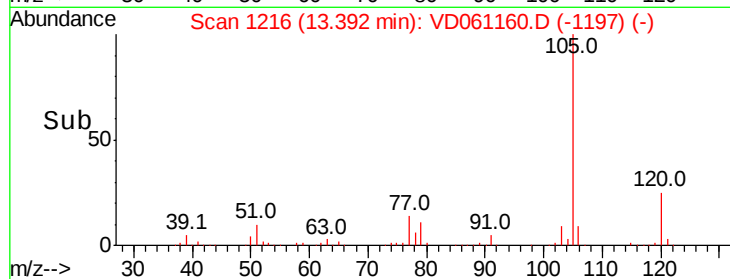
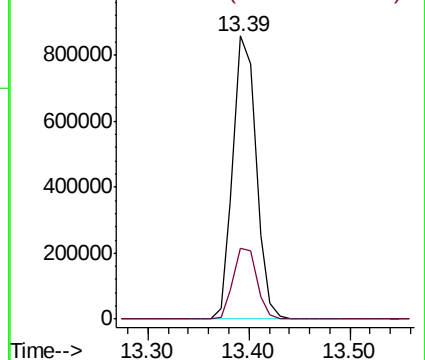
105 100

120 25.2 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 45.871 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Tgt Ion: 43 Resp: 349137

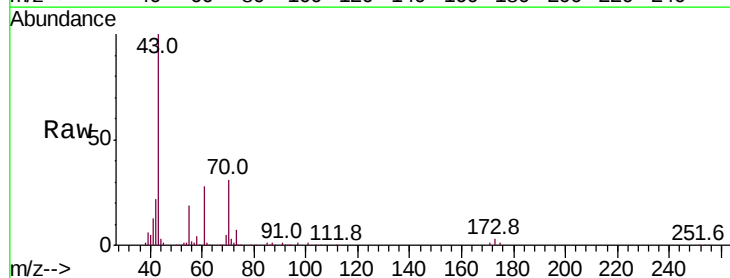
Ion Ratio Lower Upper

43 100

70 31.2 27.7 41.5

55 19.0 16.2 24.2

61 27.8 22.3 33.5

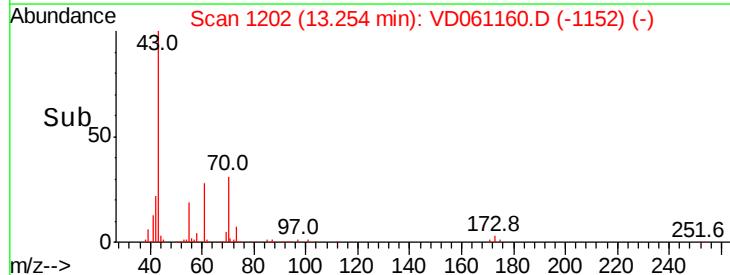
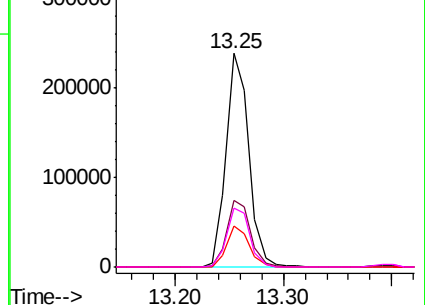


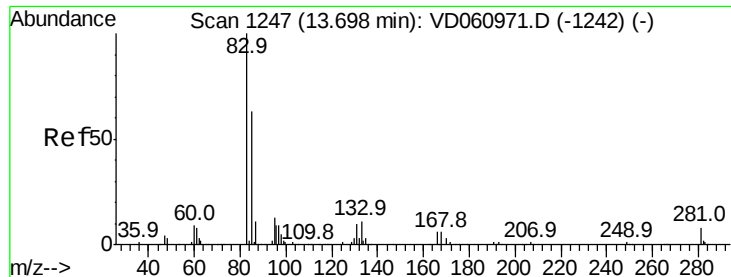
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.393 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

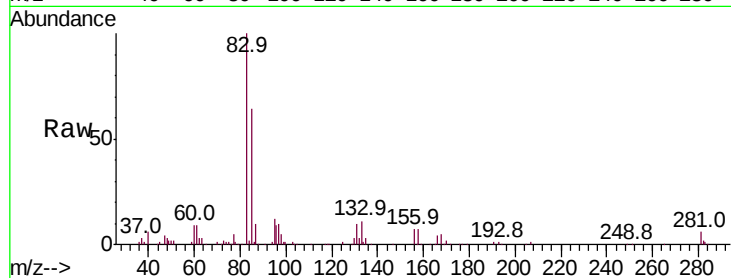
Tot Ion: 83 Resp: 281589

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

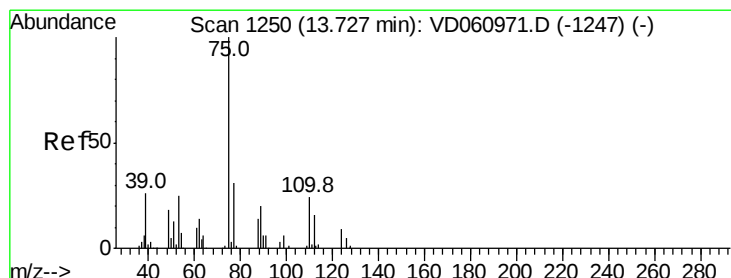
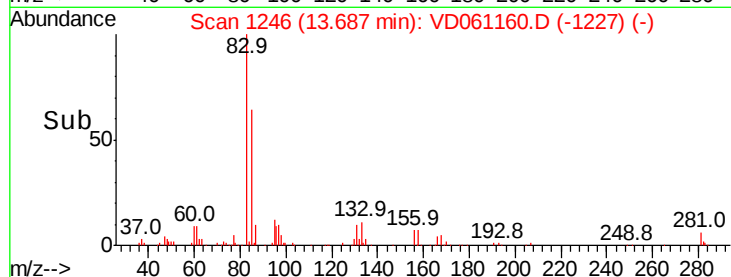
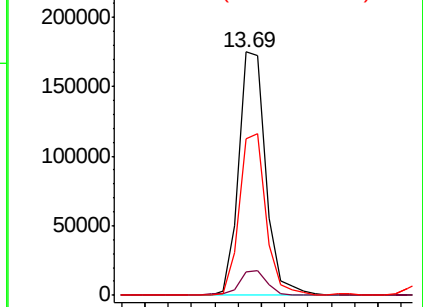
85 64.4 31.5 94.5



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: 54.300 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061160.D

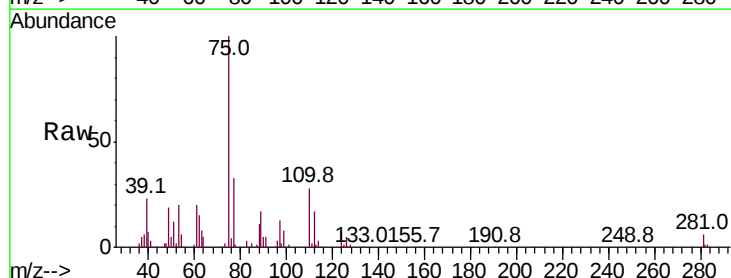
Acq: 18 Mar 2019 23:27

Tgt Ion: 75 Resp: 293011

Ion Ratio Lower Upper

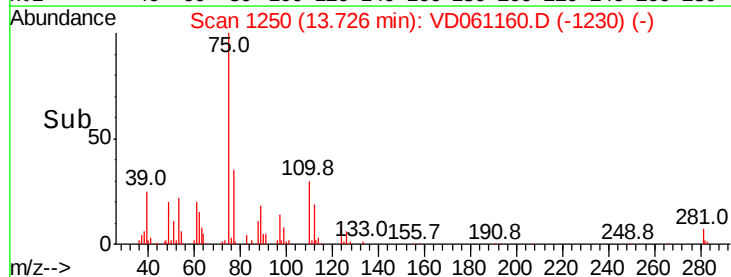
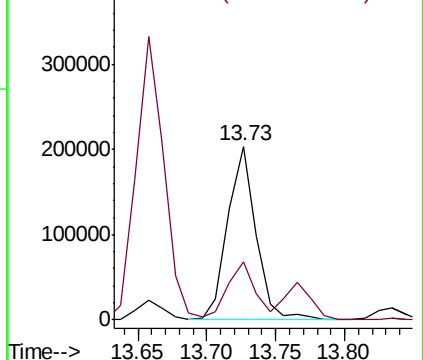
75 100

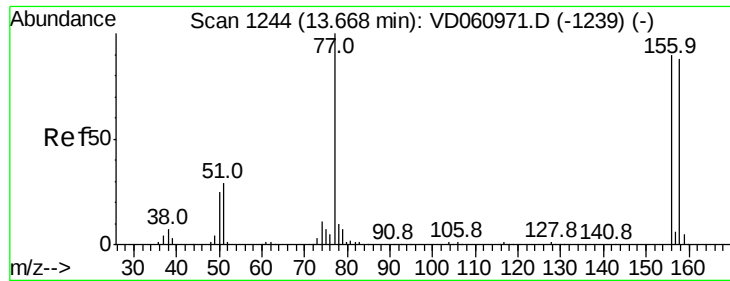
77 33.2 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 54.617 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

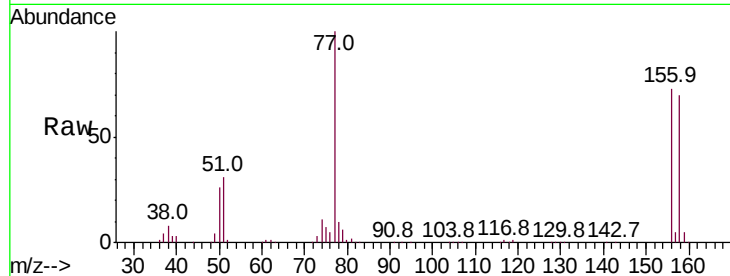
Tot Ion:156 Resp: 376872

Ion Ratio Lower Upper

156 100

77 136.7 55.5 166.7

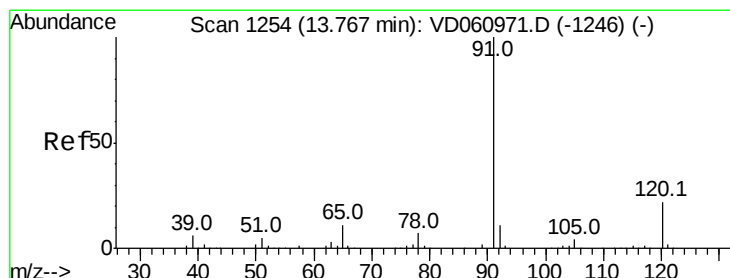
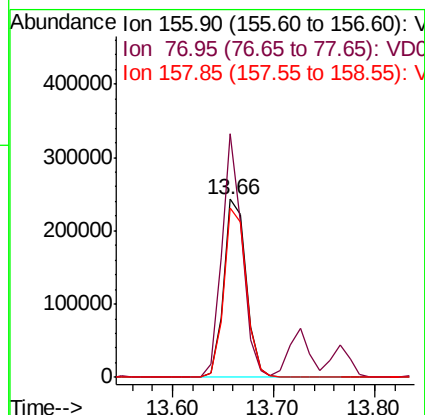
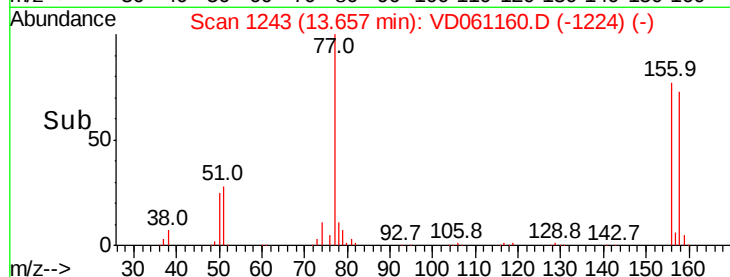
158 95.1 49.0 147.0



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: 52.275 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061160.D

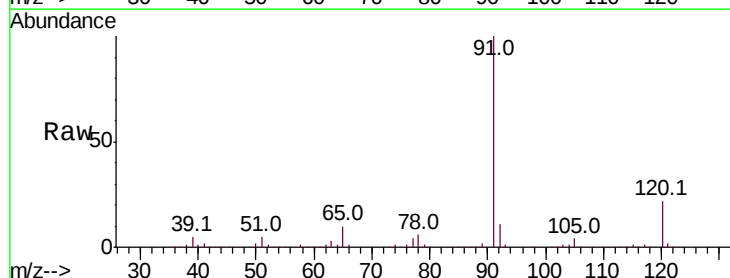
Acq: 18 Mar 2019 23:27

Tgt Ion: 91 Resp: 1654263

Ion Ratio Lower Upper

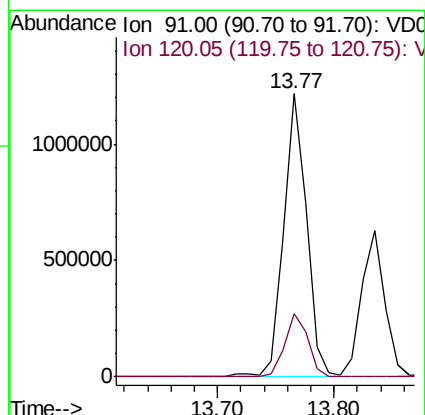
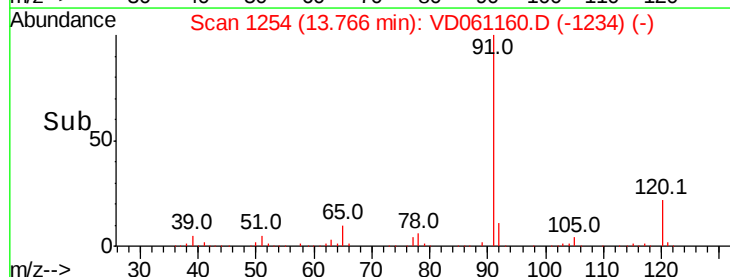
91 100

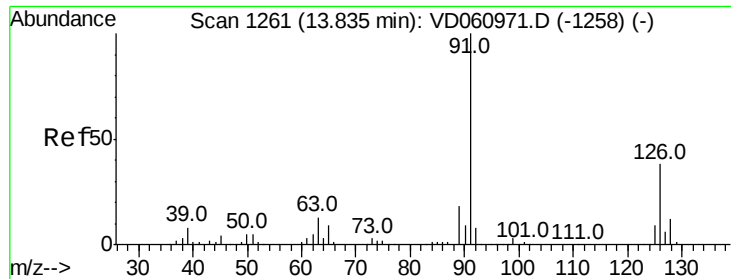
120 22.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

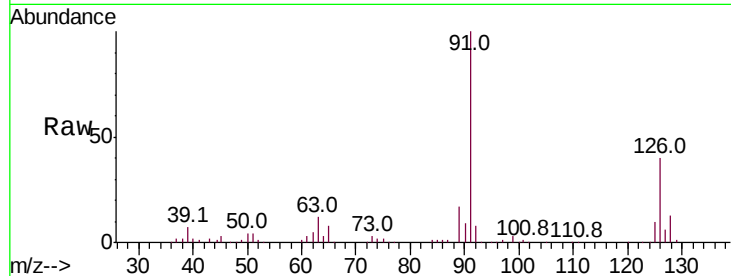




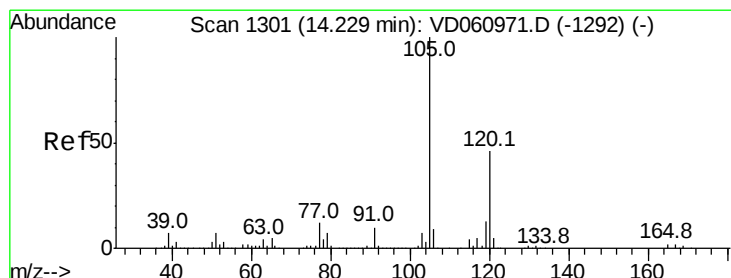
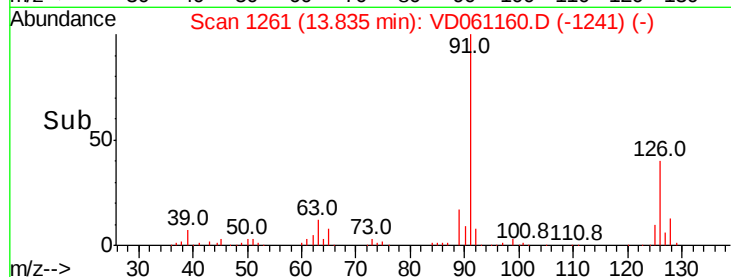
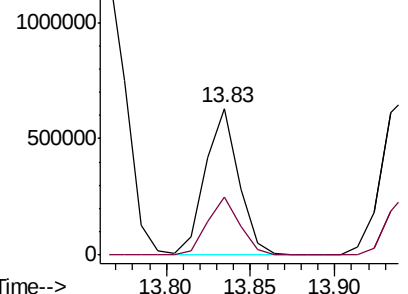
#79
2-Chlorotoluene
Concen: 49.859 ug/l
RT: 13.83 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 868645
Ion Ratio Lower Upper
91 100
126 40.0 18.6 55.6

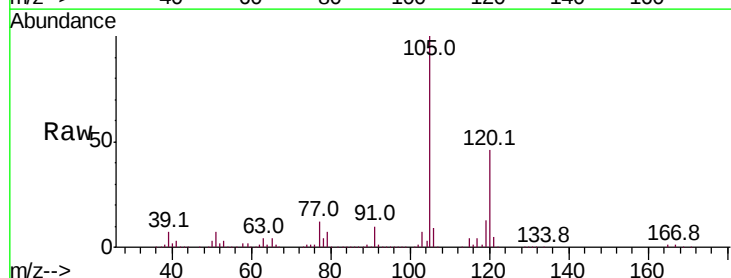


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

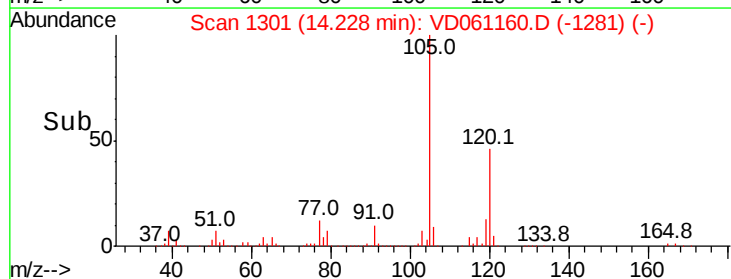
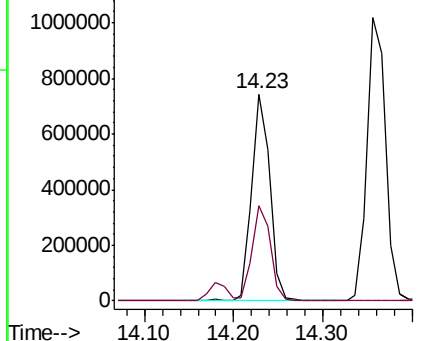


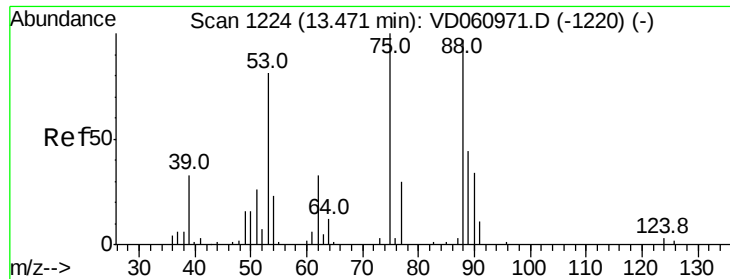
#80
1,3,5-Trimethylbenzene
Concen: 50.617 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion:105 Resp: 1038719
Ion Ratio Lower Upper
105 100
120 45.9 22.9 68.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 54.504 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

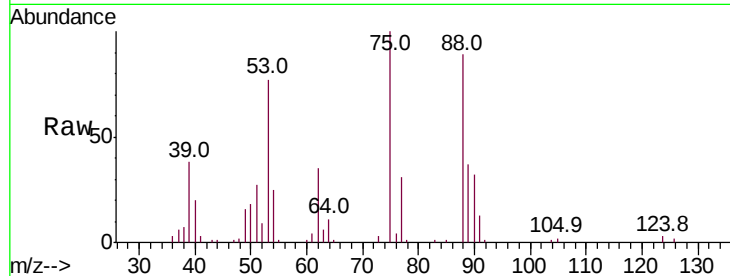
Tot Ion: 75 Resp: 86711

Ion Ratio Lower Upper

75 100

53 77.3 64.4 96.6

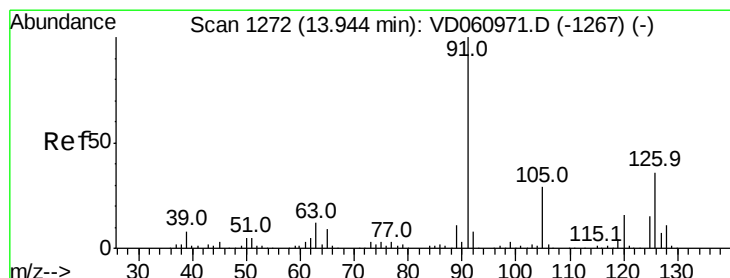
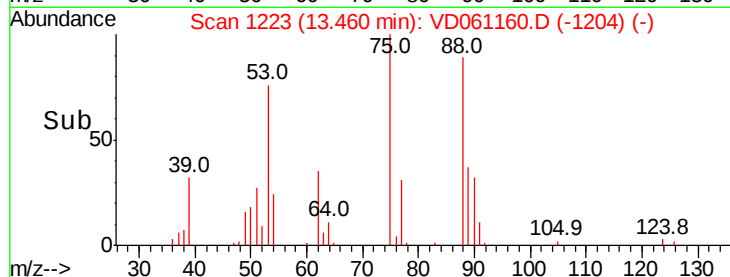
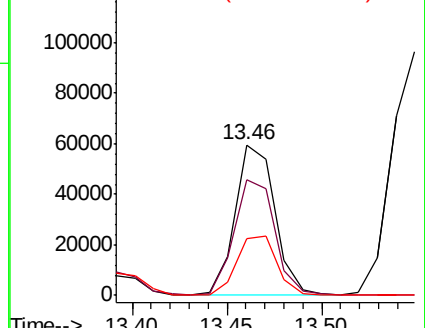
89 37.4 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.020 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061160.D

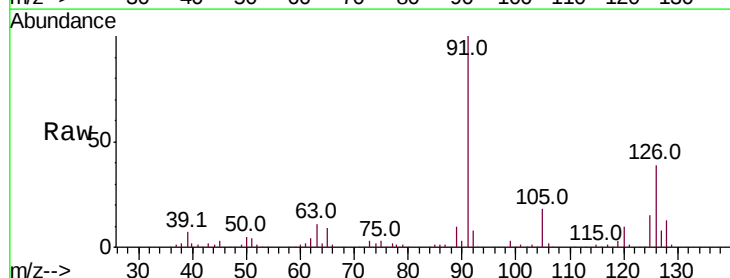
Acq: 18 Mar 2019 23:27

Tgt Ion: 91 Resp: 1050819

Ion Ratio Lower Upper

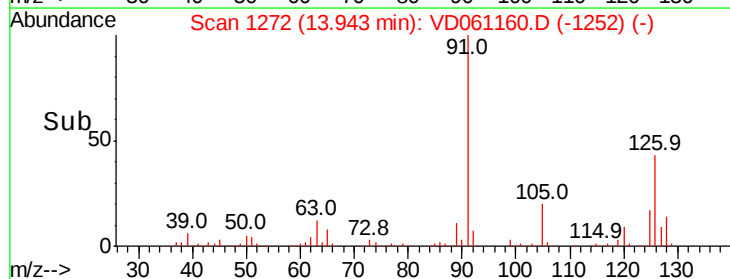
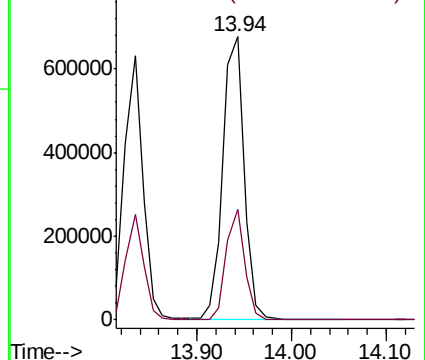
91 100

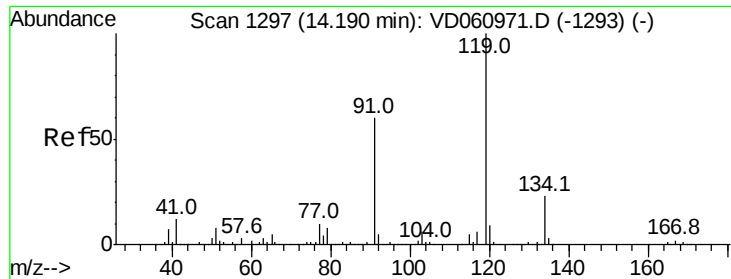
126 38.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

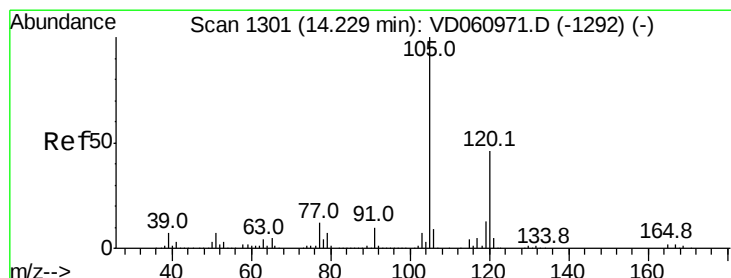
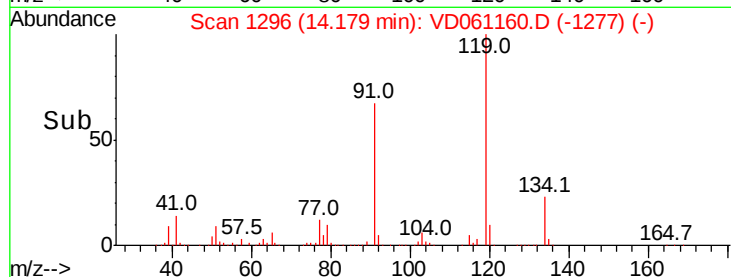
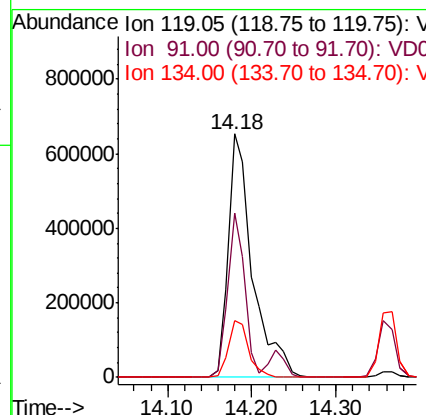
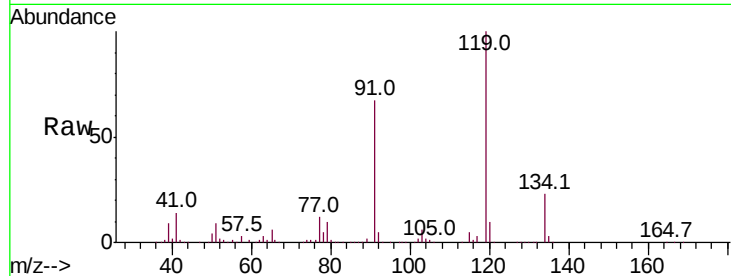




#83
 tert-Butylbenzene
 Concen: 58.281 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

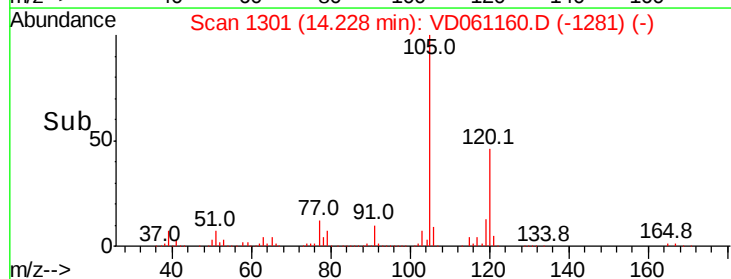
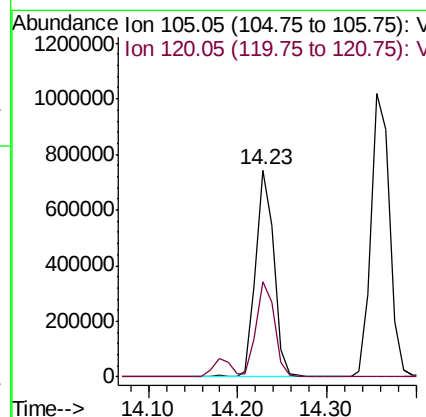
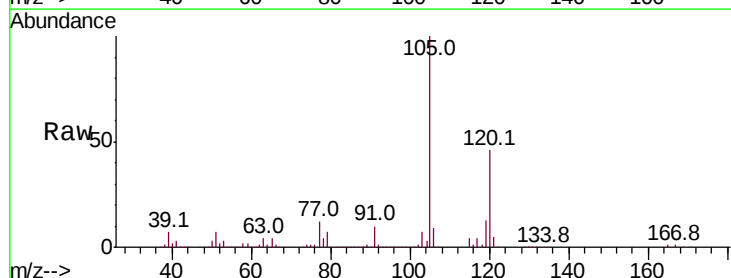
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

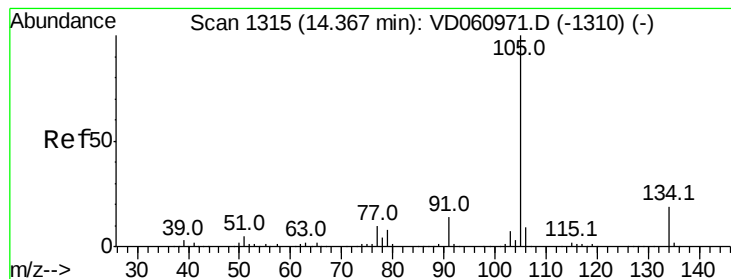
Tot Ion:119 Resp: 1308859
 Ion Ratio Lower Upper
 119 100
 91 67.3 30.1 90.3
 134 23.3 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 50.617 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion:105 Resp: 1038719
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.5





#85

sec-Butylbenzene

Concen: 52.943 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

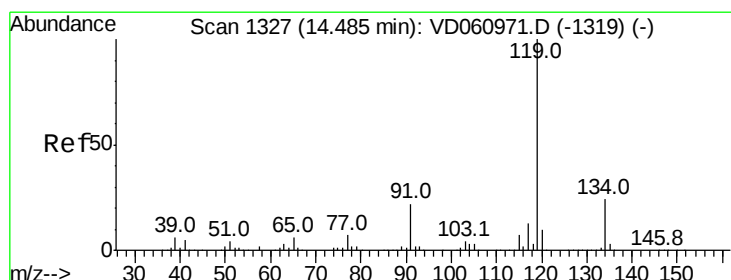
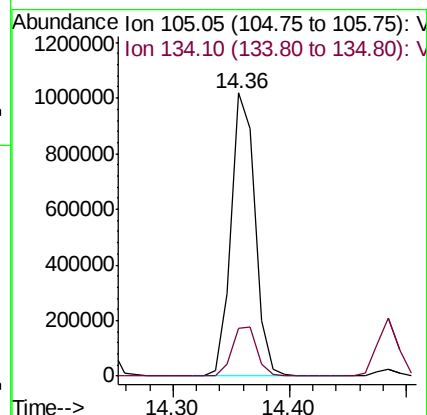
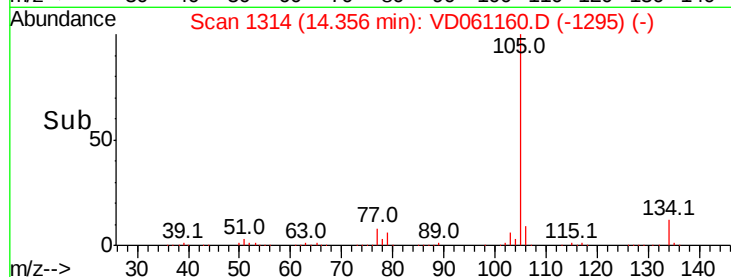
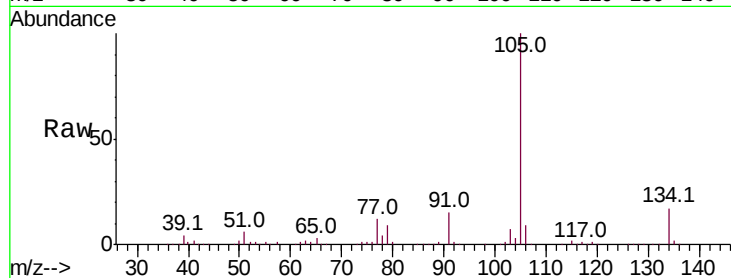
VSTDCCC050

Tot Ion:105 Resp: 1451538

Ion Ratio Lower Upper

105 100

134 16.9 9.4 28.2



#86

p-Isopropyltoluene

Concen: 47.986 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

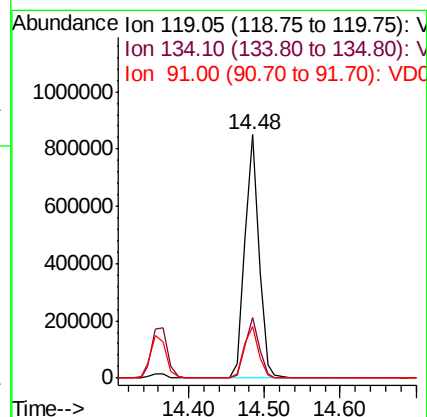
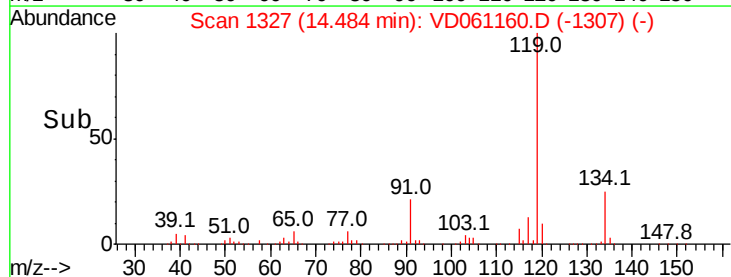
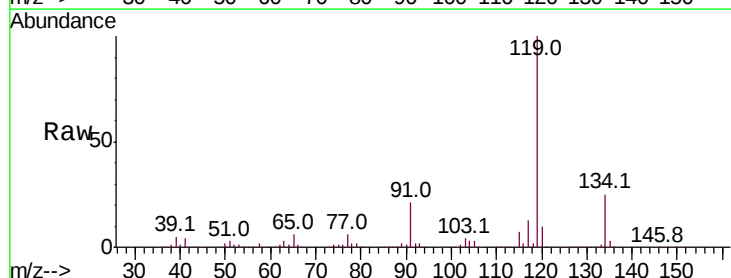
Tgt Ion:119 Resp: 1075379

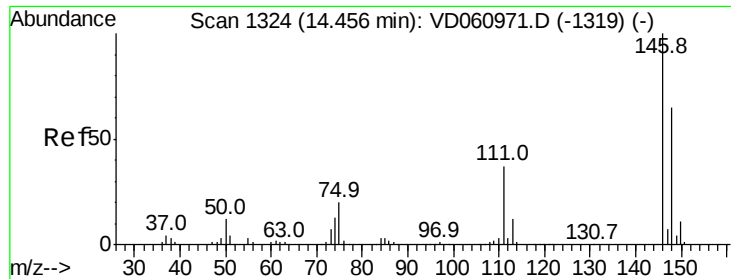
Ion Ratio Lower Upper

119 100

134 24.7 12.0 36.1

91 21.1 11.2 33.6

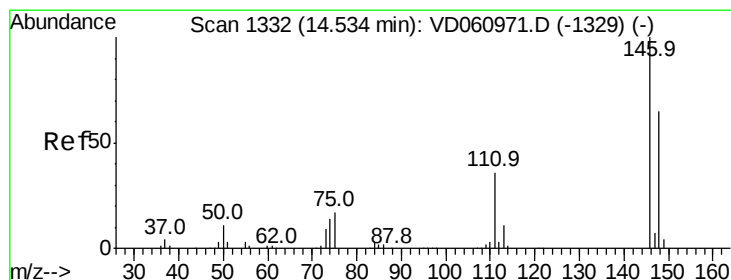
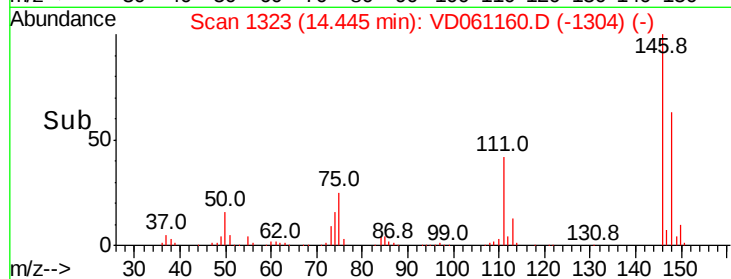
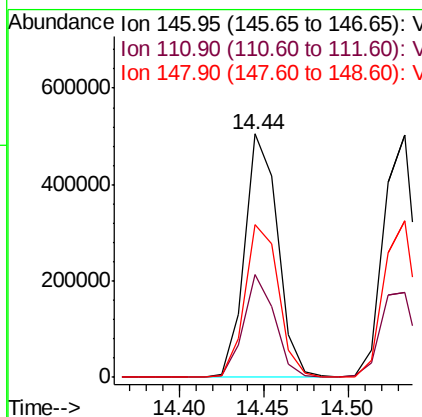
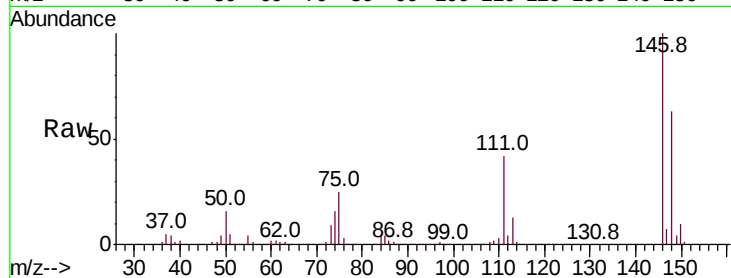




#87
 1,3-Dichlorobenzene
 Concen: 56.041 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

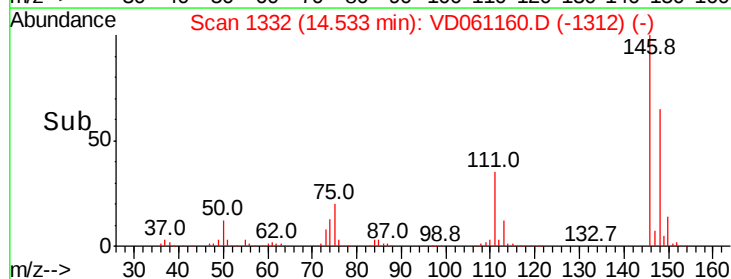
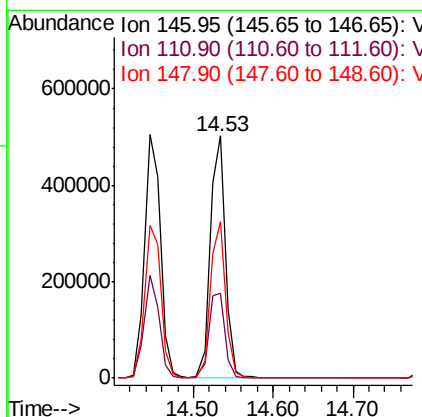
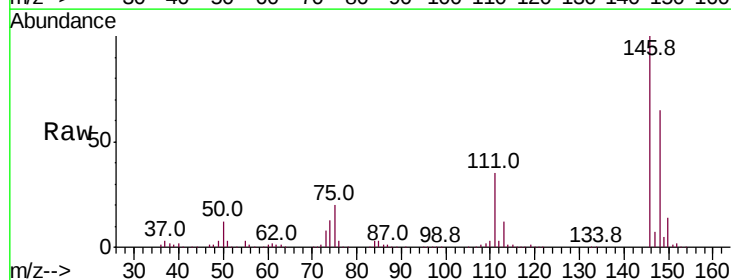
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

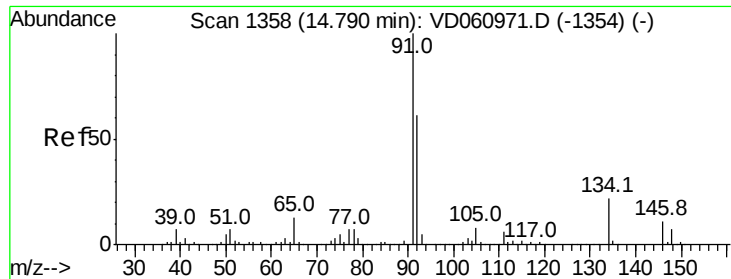
Tot Ion:146 Resp: 690507
 Ion Ratio Lower Upper
 146 100
 111 42.2 18.4 55.4
 148 62.5 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 55.218 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion:146 Resp: 668582
 Ion Ratio Lower Upper
 146 100
 111 35.1 18.4 55.2
 148 64.9 32.5 97.5





#89

n-Butylbenzene

Concen: 47.232 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD061160.D

Acq: 18 Mar 2019 23:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

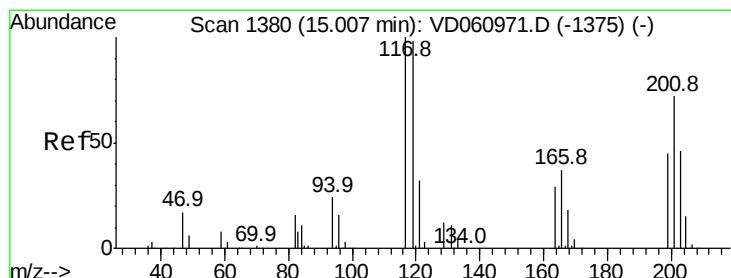
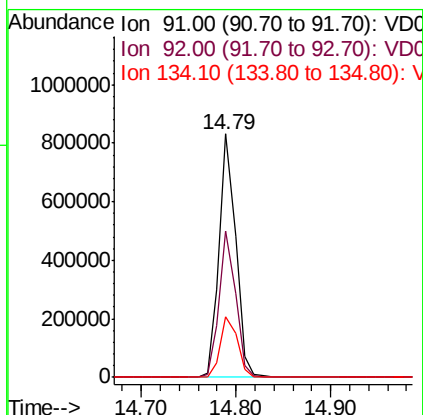
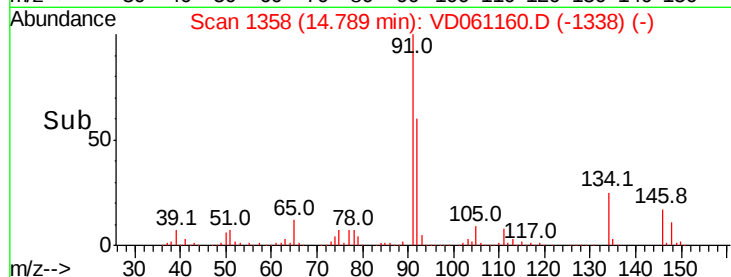
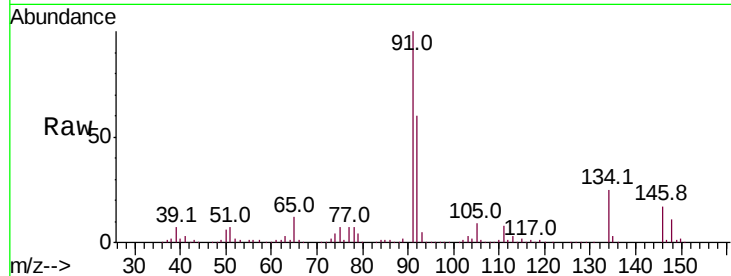
Tot Ion: 91 Resp: 1016477

Ion	Ratio	Lower	Upper
91	100		
92	60.0	30.6	91.8
134	24.9	11.0	33.0

91 100

92 60.0 30.6 91.8

134 24.9 11.0 33.0



#90

Hexachloroethane

Concen: 53.764 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061160.D

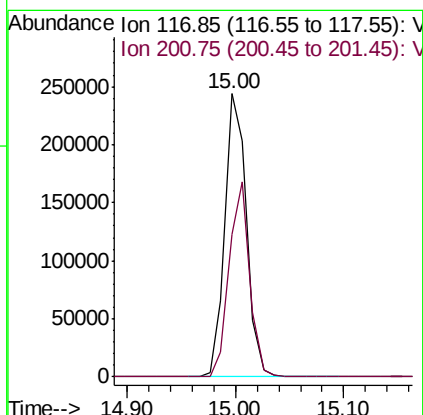
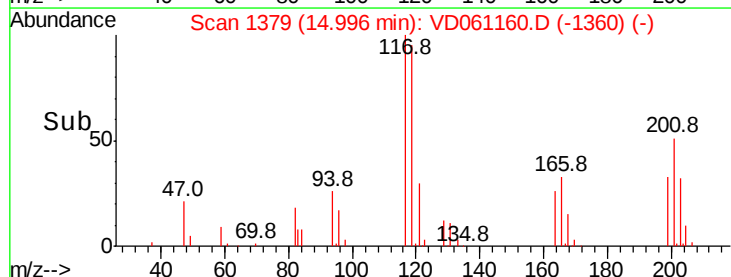
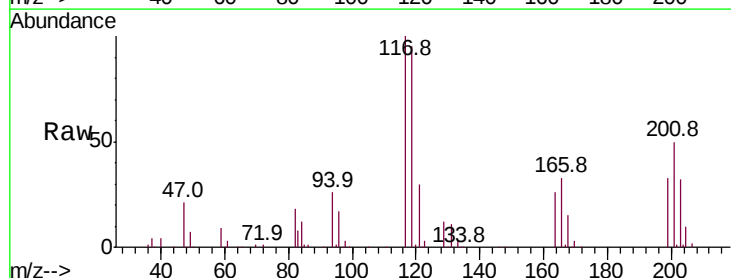
Acq: 18 Mar 2019 23:27

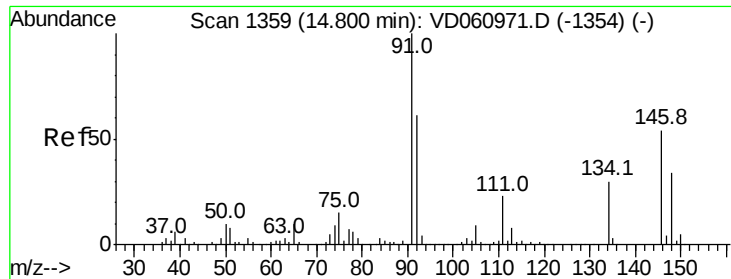
Tgt Ion: 117 Resp: 340226

Ion	Ratio	Lower	Upper
117	100		
201	50.4	36.2	108.6

117 100

201 50.4 36.2 108.6

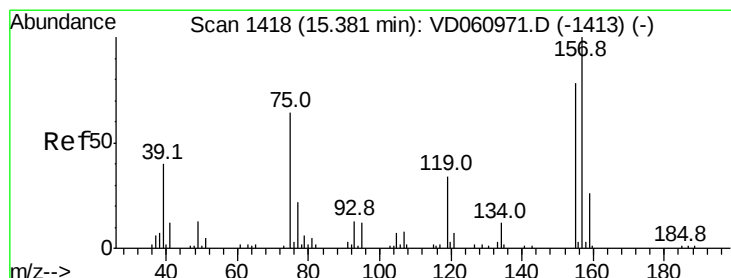
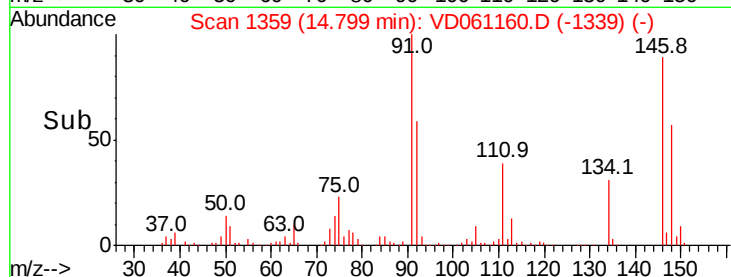
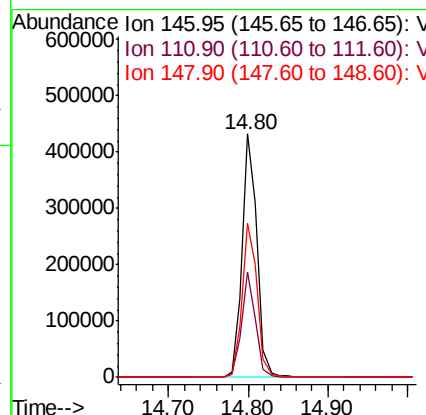
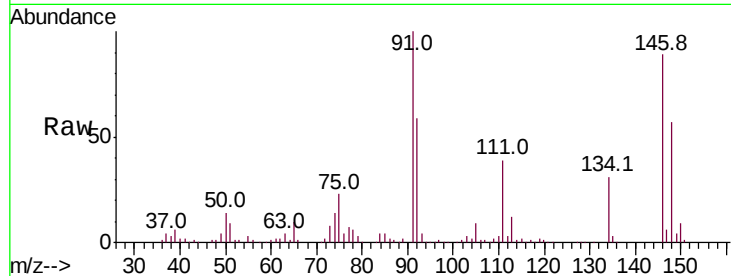




#91
 1,2-Dichlorobenzene
 Concen: 54.901 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

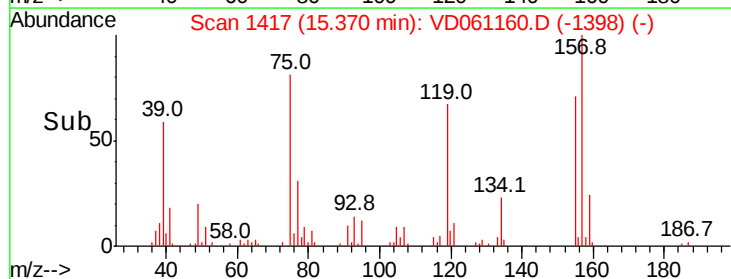
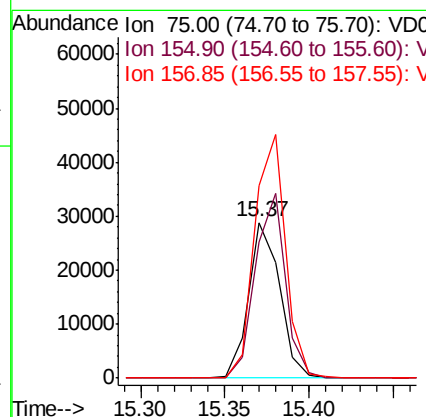
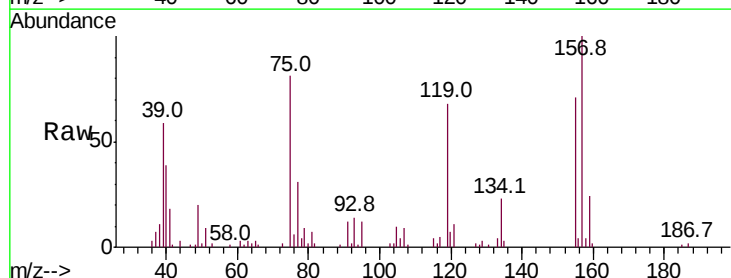
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

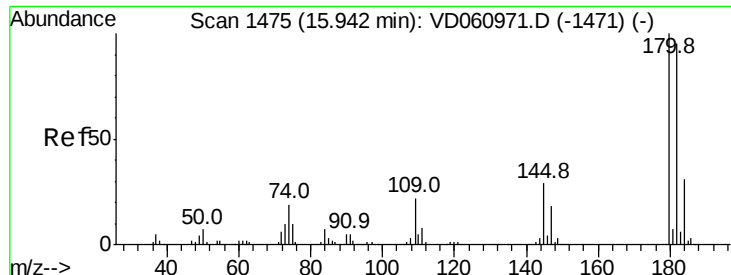
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.5	64.5
148	63.5	30.9	92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.208 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	61.2	183.5
157	123.8	78.3	234.8

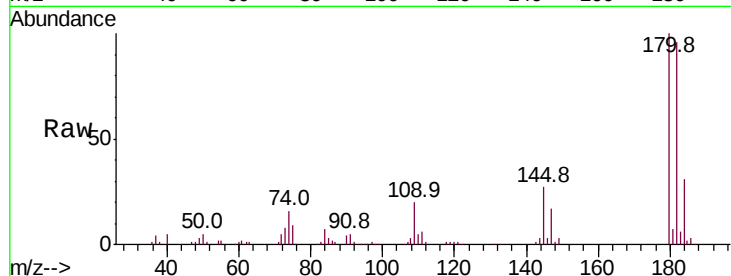




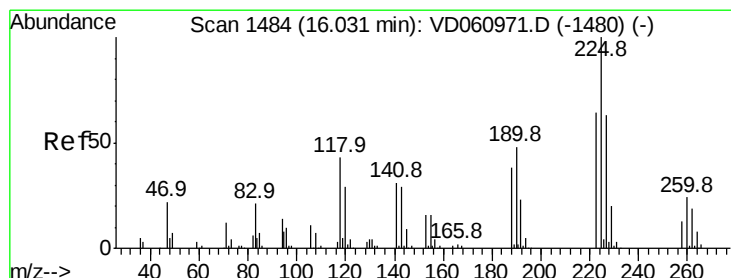
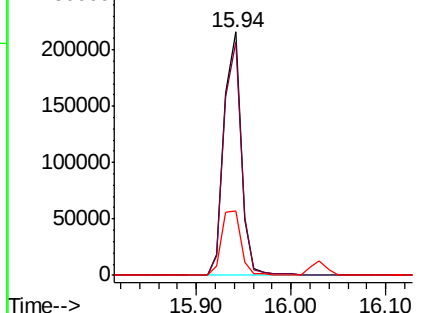
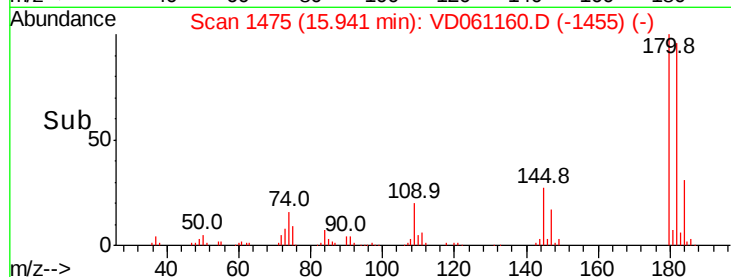
#93
 1,2,4-Trichlorobenzene
 Concen: 57.205 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	142.0
145	26.6	14.4	43.0

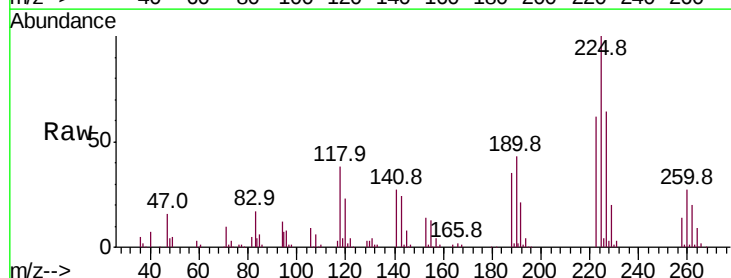


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

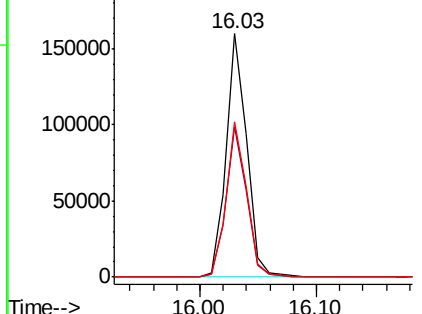
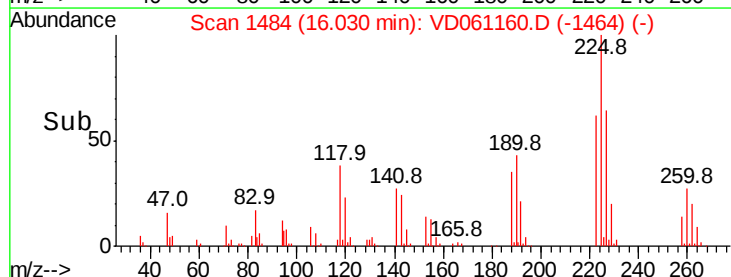


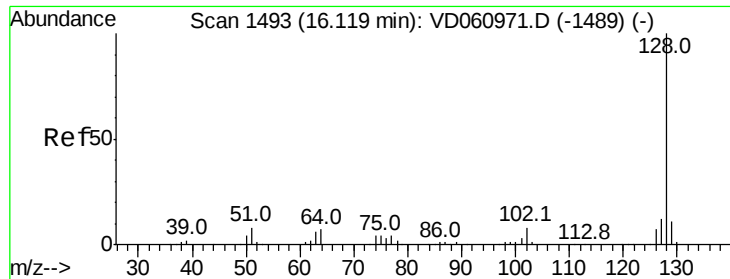
#94
 Hexachlorobutadiene
 Concen: 54.484 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061160.D
 Acq: 18 Mar 2019 23:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.8	95.3
227	63.8	31.4	94.0



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

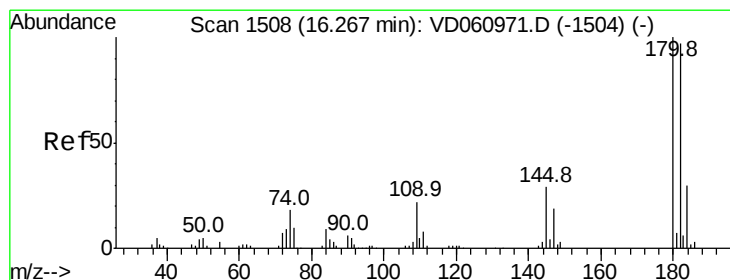
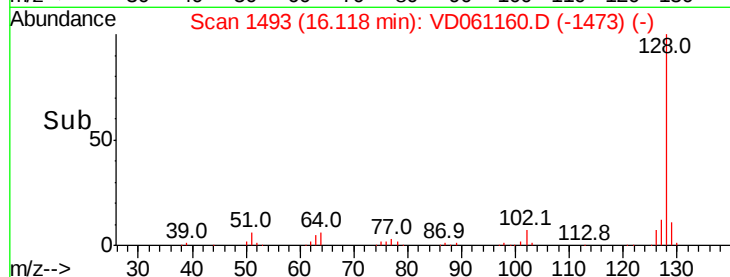
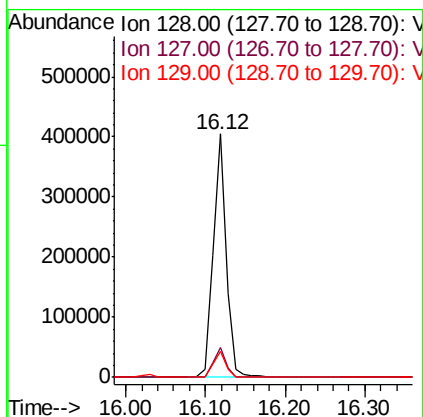
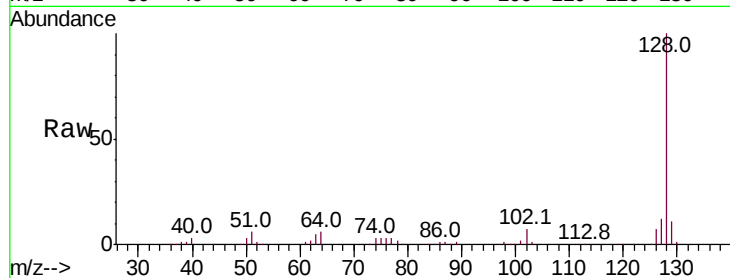




#95
Naphthalene
Concen: 64.579 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 467628
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 61.982 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061160.D
Acq: 18 Mar 2019 23:27

Tgt Ion:180 Resp: 145874
Ion Ratio Lower Upper
180 100
182 94.2 48.6 145.8
145 30.2 14.3 42.9

