

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061200.D
 Acq On : 20 Mar 2019 11:14
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 22 01:57:17 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	680016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1100154	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	862775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	391596	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	245658	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	
35) Dibromofluoromethane	6.92	113	387670	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	10.40	98	933386	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	
62) 4-Bromofluorobenzene	13.55	95	343272	43.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	297581	44.178	ug/l	99
3) Chloromethane	1.76	50	252459	44.991	ug/l	96
4) Vinyl Chloride	1.86	62	244831	47.219	ug/l	96
5) Bromomethane	2.16	94	40840	43.179	ug/l	88
6) Chloroethane	2.27	64	77342	49.835	ug/l	91
7) Trichlorofluoromethane	2.53	101	370046	49.681	ug/l	96
8) Diethyl Ether	2.87	74	124644	50.726	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	399331	47.953	ug/l	99
10) Methyl Iodide	3.31	142	563126	49.156	ug/l	98
11) Tert butyl alcohol	4.06	59	97965	271.862	ug/l	98
12) 1,1-Dichloroethene	3.13	96	318638	46.680	ug/l	96
13) Acrolein	3.04	56	124199	238.207	ug/l	99
14) Allyl chloride	3.62	41	502948	46.051	ug/l	94
15) Acrylonitrile	4.18	53	304352	238.972	ug/l	99
16) Acetone	3.22	43	410332	253.506	ug/l	99
17) Carbon Disulfide	3.38	76	1028111	44.650	ug/l	99
18) Methyl Acetate	3.63	43	168304	52.836	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	655393	54.787	ug/l	98
20) Methylene Chloride	3.82	84	372267	50.486	ug/l	90
21) trans-1,2-Dichloroethene	4.22	96	367067	49.683	ug/l	96
22) Diisopropyl ether	5.12	45	1010662	44.578	ug/l	99
23) Vinyl Acetate	5.05	43	2641640	226.973	ug/l	100
24) 1,1-Dichloroethane	4.98	63	640224	51.539	ug/l	99
25) 2-Butanone	6.06	43	476525	259.447	ug/l	99
26) 2,2-Dichloropropane	6.01	77	541837	55.875	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	416184	53.093	ug/l	97
28) Bromochloromethane	6.43	49	233844	44.467	ug/l	94
29) Tetrahydrofuran	6.44	42	211491	212.058	ug/l	93
30) Chloroform	6.65	83	632664	49.141	ug/l	100
31) Cyclohexane	6.95	56	471710	47.095	ug/l	93
32) 1,1,1-Trichloroethane	6.86	97	574047	51.574	ug/l	98
36) 1,1-Dichloropropene	7.14	75	486792	51.332	ug/l	99
37) Ethyl Acetate	6.17	43	215030	48.320	ug/l #	98
38) Carbon Tetrachloride	7.11	117	615796	58.950	ug/l	98

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 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	483936	49.214	ug/l	98
40) Benzene	7.44	78	1151627	48.600	ug/l	99
41) Methacrylonitrile	6.43	41	241373	47.156	ug/l #	93
42) 1,2-Dichloroethane	7.57	62	379845	55.238	ug/l	100
43) Isopropyl Acetate	9.23	43	291929	47.364	ug/l #	95
44) Trichloroethene	8.52	130	451996	55.290	ug/l	99
45) 1,2-Dichloropropane	8.93	63	312722	50.233	ug/l	99
46) Dibromomethane	9.05	93	210079	53.198	ug/l	97
47) Bromodichloromethane	9.36	83	479286	53.784	ug/l	98
48) Methyl methacrylate	9.11	41	179217	51.643	ug/l	100
49) 1,4-Dioxane	9.08	88	40449	1152.684	ug/l #	91
51) 4-Methyl-2-Pentanone	10.29	43	988868	261.885	ug/l	97
52) Toluene	10.49	92	766270	52.003	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	444562	54.558	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	532340	54.373	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	251699	51.293	ug/l	98
56) Ethyl methacrylate	11.03	69	256540	49.946	ug/l	98
57) 1,3-Dichloropropane	11.40	76	413799	56.429	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	612467	225.273	ug/l	97
59) 2-Hexanone	11.52	43	682857	247.224	ug/l	99
60) Dibromochloromethane	11.67	129	411303	56.953	ug/l	100
61) 1,2-Dibromoethane	11.79	107	303385	53.147	ug/l	99
64) Tetrachloroethene	11.24	164	317860	54.577	ug/l	98
65) Chlorobenzene	12.39	112	883039	52.207	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	349400	57.953	ug/l	99
67) Ethyl Benzene	12.51	91	1319910	52.417	ug/l	98
68) m/p-Xylenes	12.66	106	1032241	104.443	ug/l	95
69) o-Xylene	13.04	106	483262	49.744	ug/l	99
70) Styrene	13.06	104	813900	51.306	ug/l	98
71) Bromoform	13.23	173	221888	57.050	ug/l	99
73) Isopropylbenzene	13.40	105	1420140	50.321	ug/l	99
74) N-amyl acetate	13.26	43	377221	47.470	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	247062	44.870	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	274997	48.812	ug/l	98
77) Bromobenzene	13.66	156	380167	52.771	ug/l	97
78) n-propylbenzene	13.76	91	1598264	48.375	ug/l	99
79) 2-Chlorotoluene	13.83	91	997009	54.813	ug/l	99
80) 1,3,5-Trimethylbenzene	14.23	105	1124025	52.464	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	89705	54.008	ug/l	98
82) 4-Chlorotoluene	13.94	91	1004632	46.720	ug/l	100
83) tert-Butylbenzene	14.19	119	1328726	56.670	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1124025	52.464	ug/l	96
85) sec-Butylbenzene	14.36	105	1480791	51.732	ug/l	100
86) p-Isopropyltoluene	14.48	119	1252723	53.541	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	753049	58.539	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	670595	53.048	ug/l	99
89) n-Butylbenzene	14.80	91	1154090	51.364	ug/l	96
90) Hexachloroethane	15.00	117	345350	52.272	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	580748	54.153	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	37628	56.710	ug/l	95

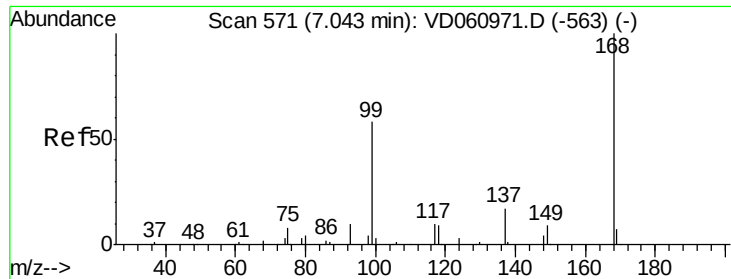
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	263875	53.041	ug/l	98
94) Hexachlorobutadiene	16.04	225	206990	55.007	ug/l	98
95) Naphthalene	16.11	128	400685	53.000	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	120898	49.203	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

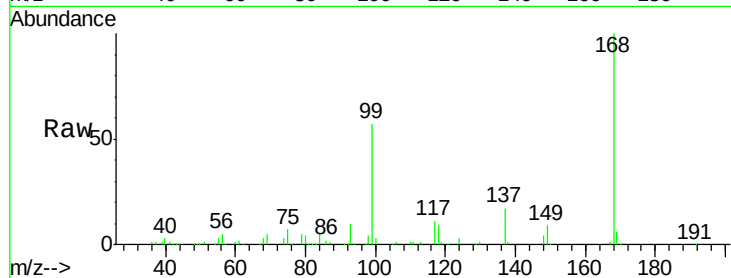
VSTDCCC050

Tot Ion:168 Resp: 680016

Ion Ratio Lower Upper

168 100

99 57.3 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

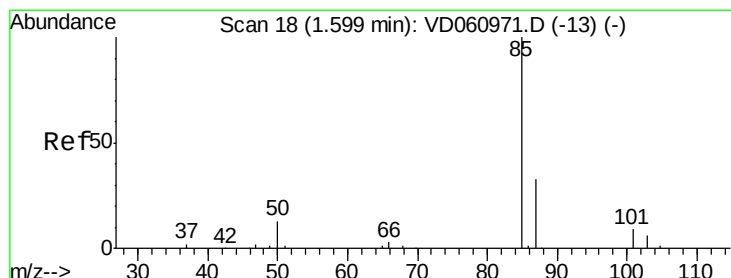
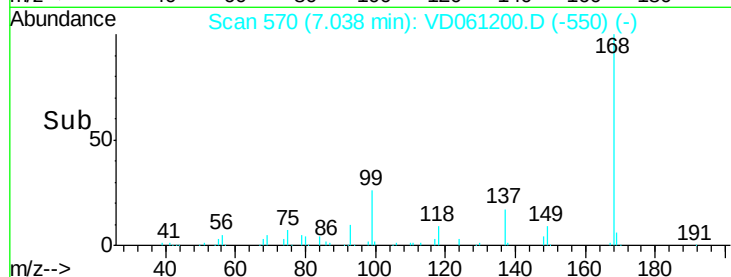
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 44.178 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD061200.D

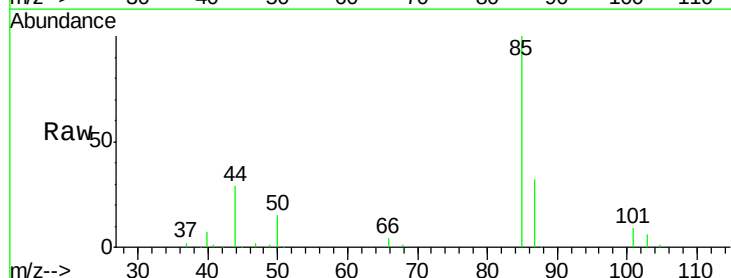
Acq: 20 Mar 2019 11:14

Tgt Ion: 85 Resp: 297581

Ion Ratio Lower Upper

85 100

87 32.3 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

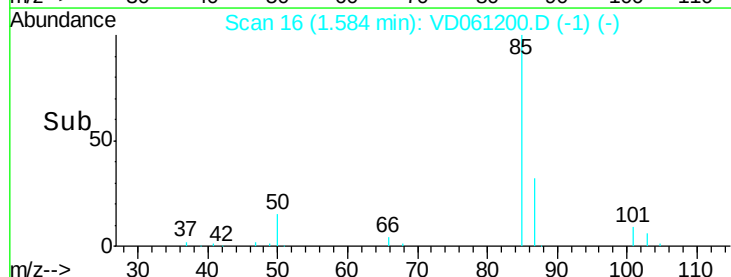
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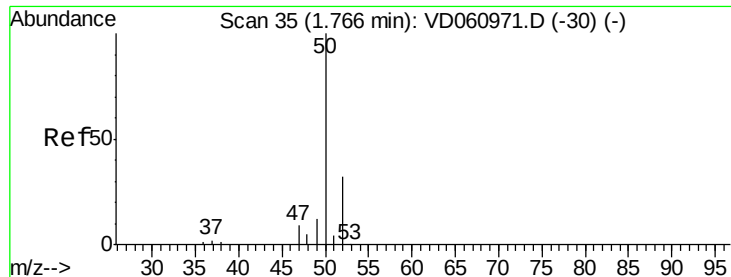
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 44.991 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

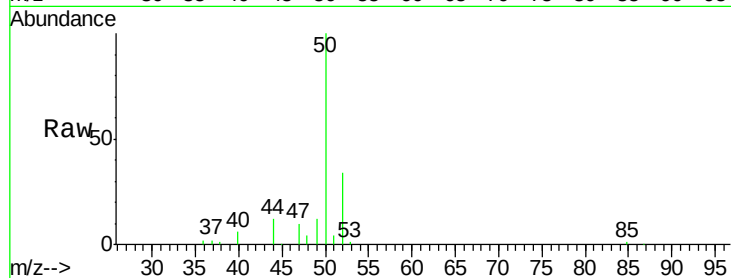
VSTDCCC050

Tot Ion: 50 Resp: 252459

Ion Ratio Lower Upper

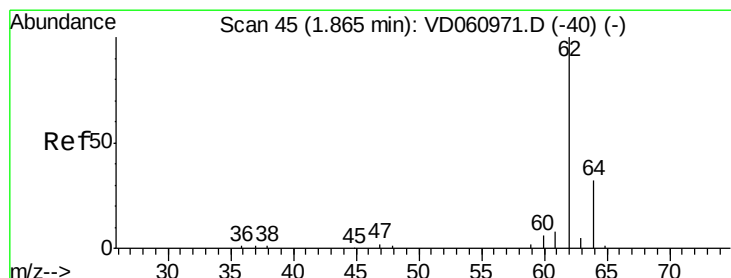
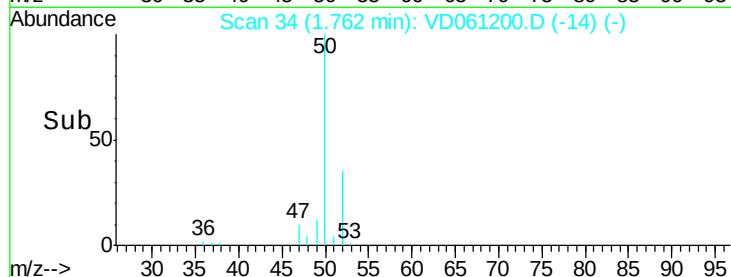
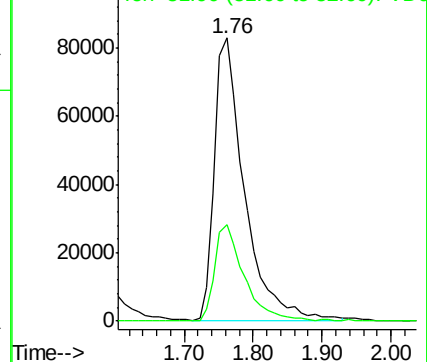
50 100

52 34.3 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: 47.219 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD061200.D

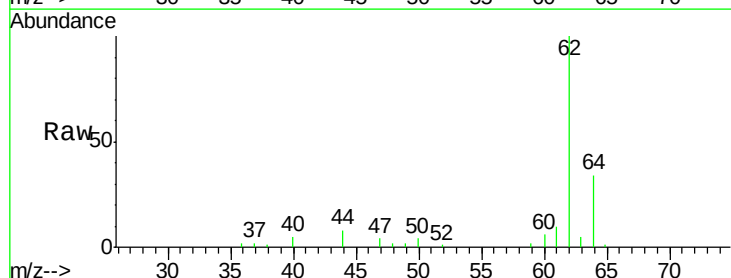
Acq: 20 Mar 2019 11:14

Tgt Ion: 62 Resp: 244831

Ion Ratio Lower Upper

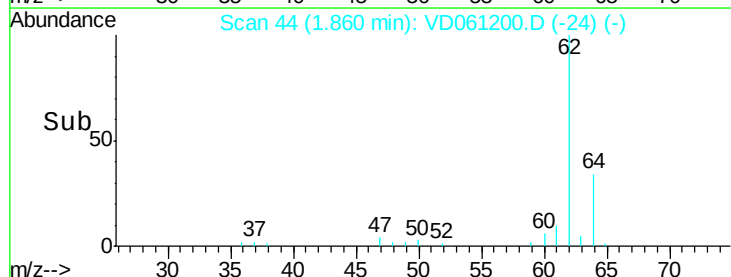
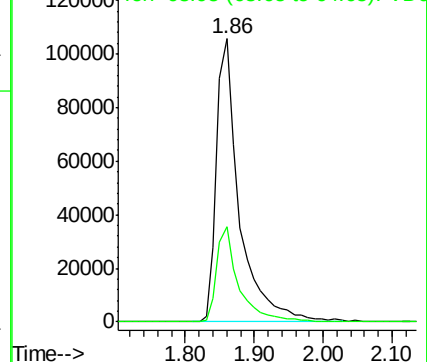
62 100

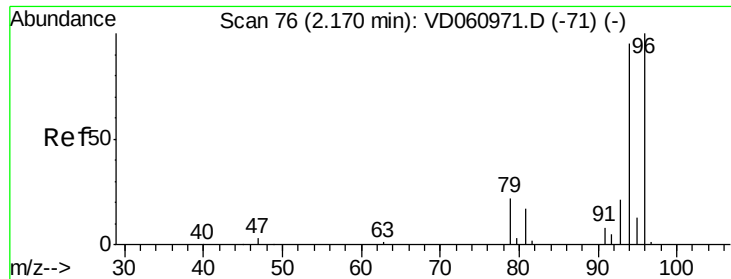
64 33.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 43.179 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

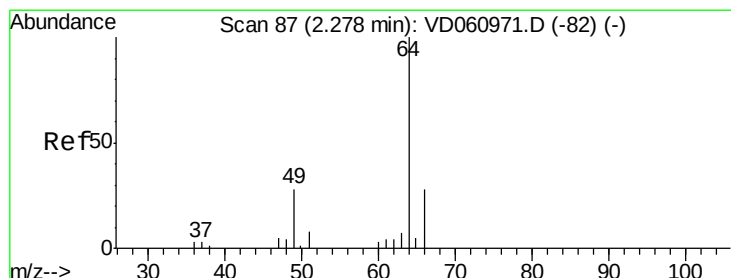
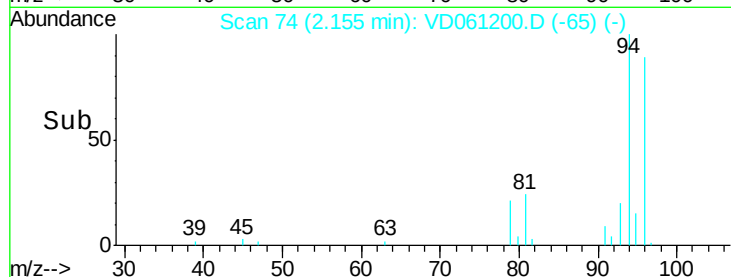
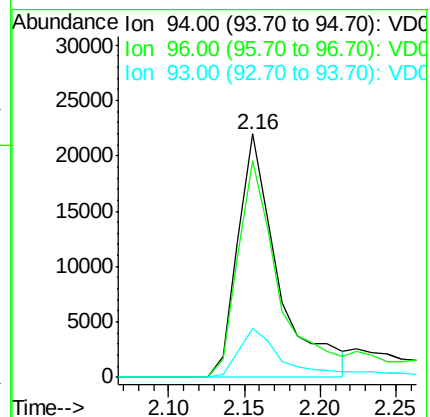
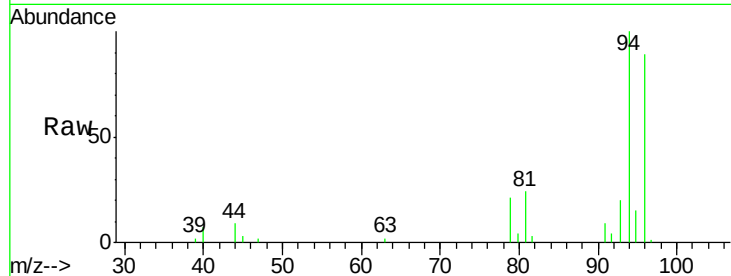
Tot Ion: 94 Resp: 40840

Ion Ratio Lower Upper

94 100

96 90.7 84.0 126.0

93 20.0 17.3 25.9



#6

Chloroethane

Concen: 49.835 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.00 min

Lab File: VD061200.D

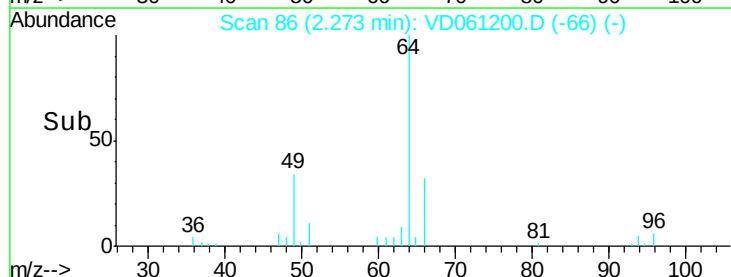
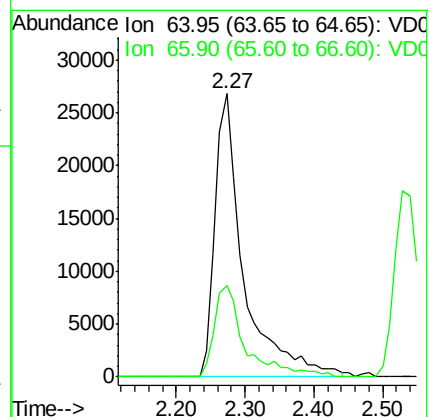
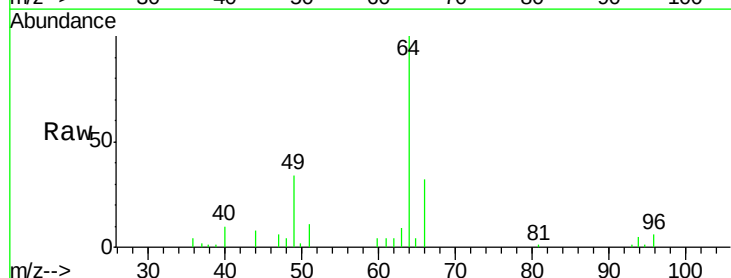
Acq: 20 Mar 2019 11:14

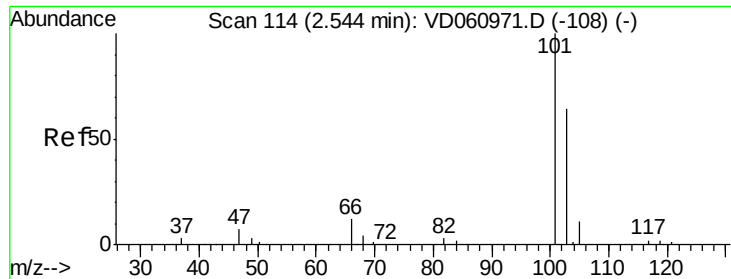
Tgt Ion: 64 Resp: 77342

Ion Ratio Lower Upper

64 100

66 32.3 22.2 33.2



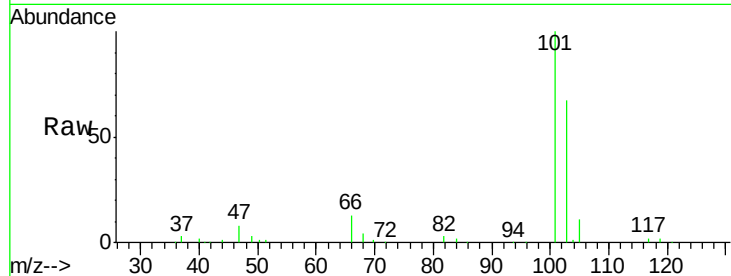


#7

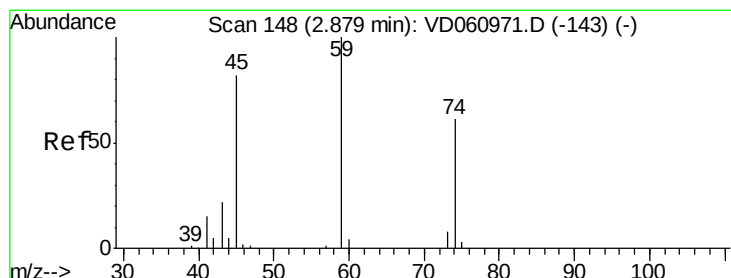
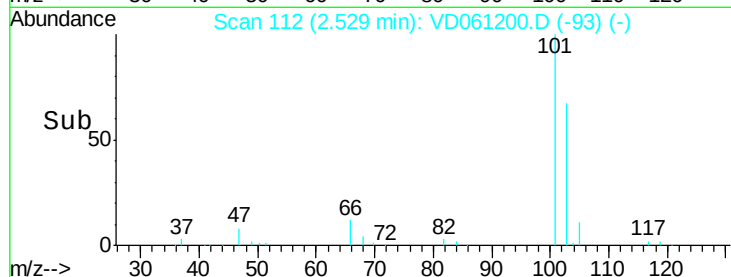
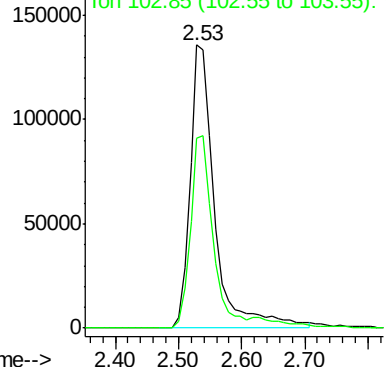
Trichlorofluoromethane
 Concen: 49.681 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 370046
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.2 76.8



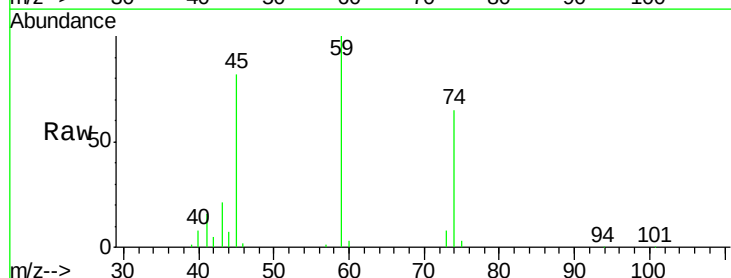
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



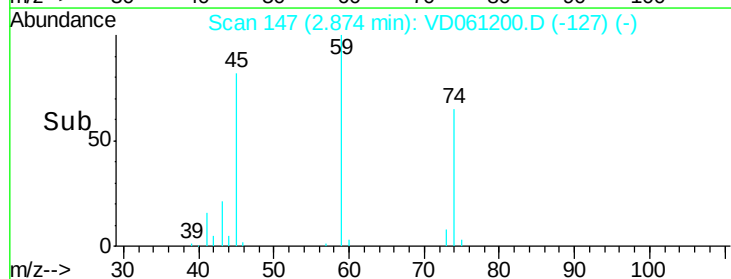
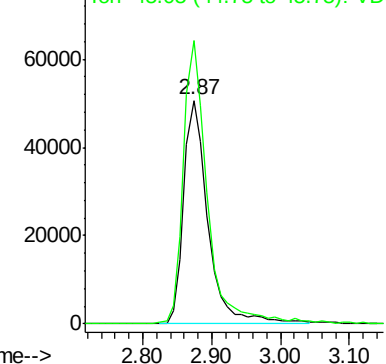
#8

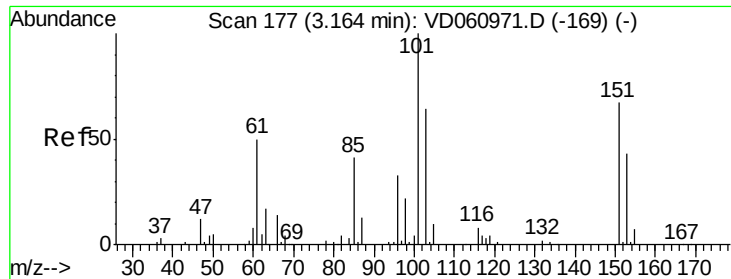
Diethyl Ether
 Concen: 50.726 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 74 Resp: 124644
 Ion Ratio Lower Upper
 74 100
 45 126.5 67.0 201.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.953 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

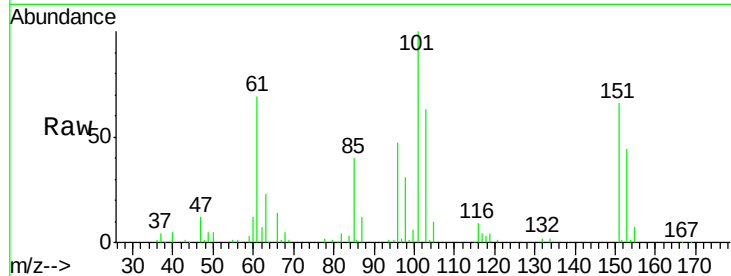
Tot Ion:101 Resp: 399331

Ion Ratio Lower Upper

101 100

85 40.4 32.5 48.7

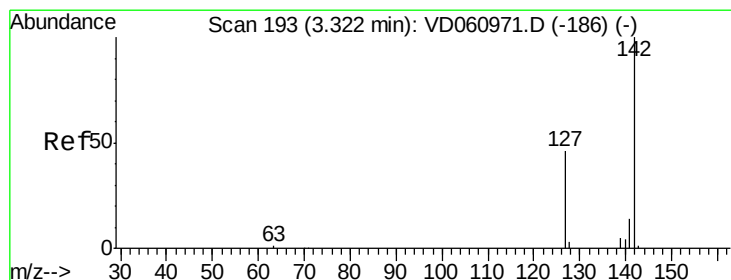
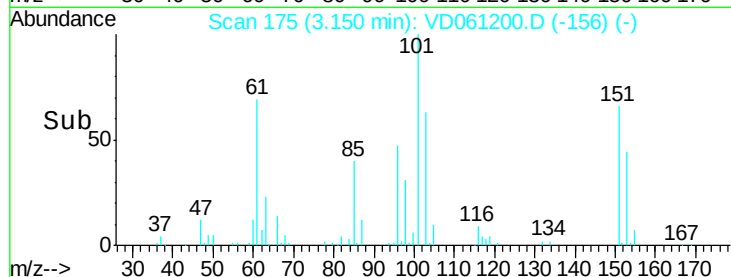
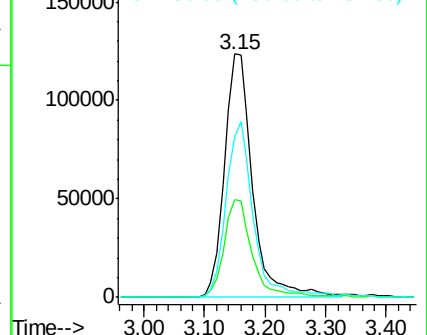
151 66.1 53.3 79.9



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: 49.156 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

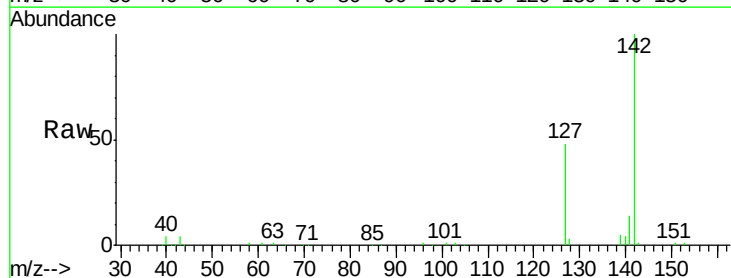
Tgt Ion:142 Resp: 563126

Ion Ratio Lower Upper

142 100

127 47.8 36.8 55.2

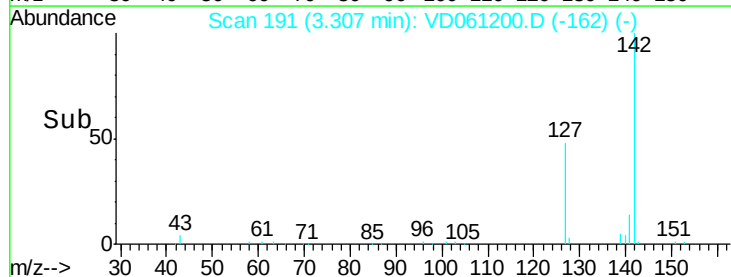
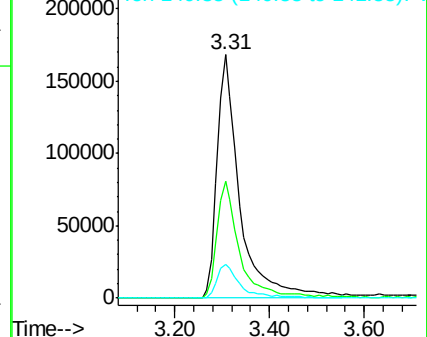
141 13.9 11.2 16.8

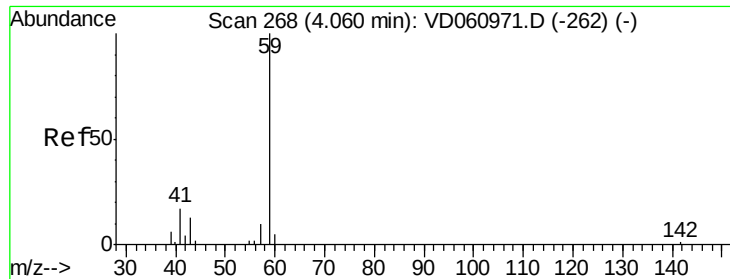


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



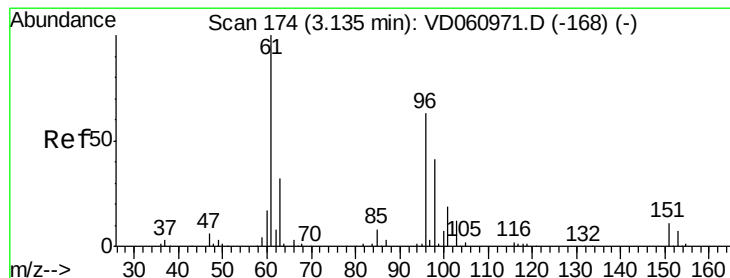
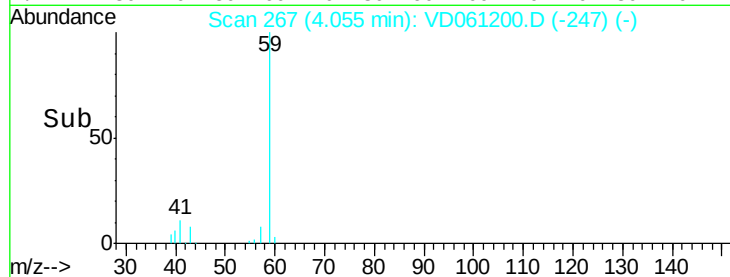
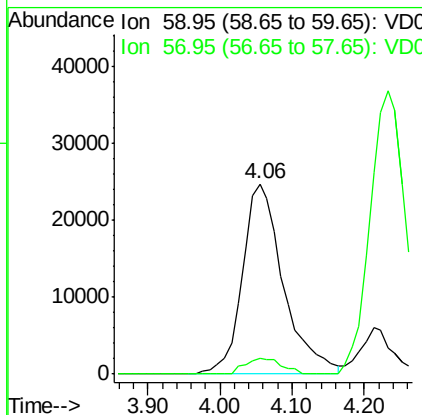
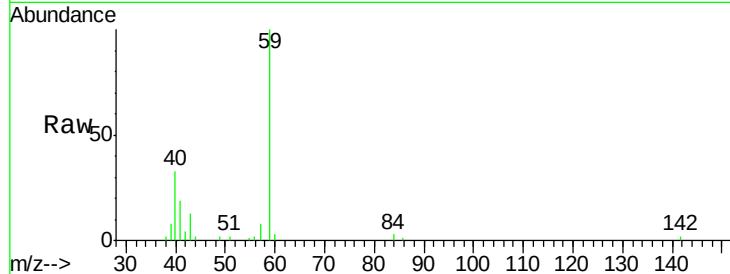


#11

Tert butyl alcohol
 Concen: 271.862 ug/l
 RT: 4.06 min Scan# 267
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

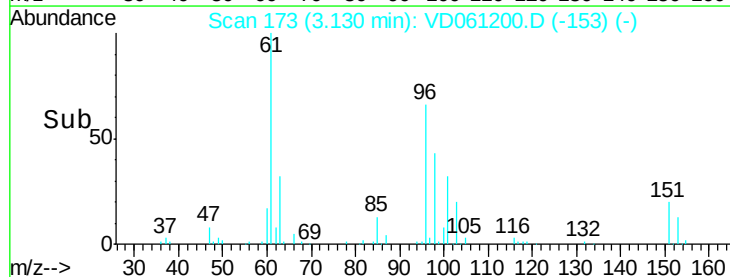
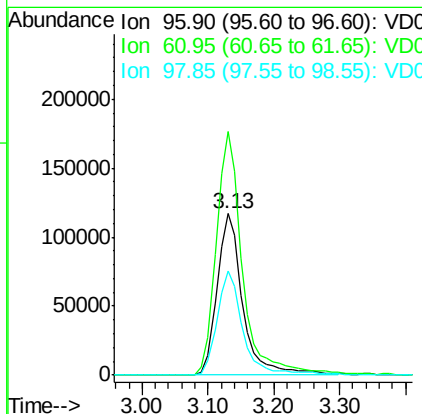
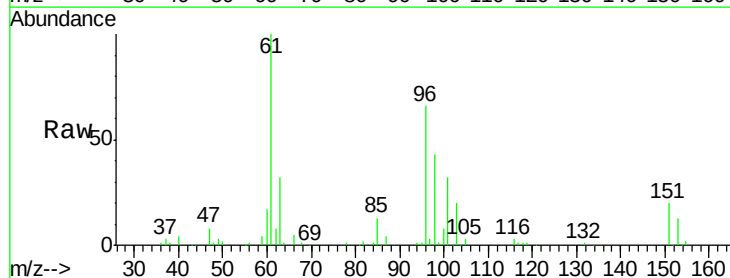
Tot Ion: 59 Resp: 97965
 Ion Ratio Lower Upper
 59 100
 57 8.3 7.1 10.7

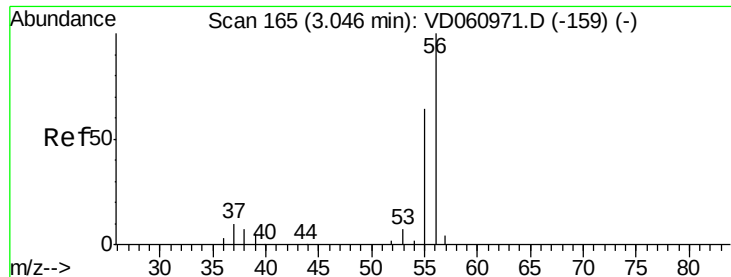


#12

1,1-Dichloroethene
 Concen: 46.680 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 96 Resp: 318638
 Ion Ratio Lower Upper
 96 100
 61 150.8 127.1 190.7
 98 64.3 51.5 77.3





#13

Acrolein

Concen: 238.207 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

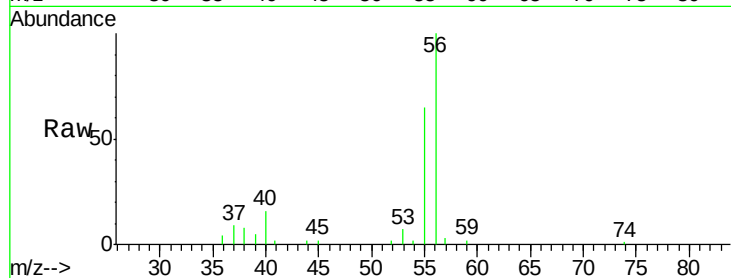
VSTDCCC050

Tot Ion: 56 Resp: 124199

Ion Ratio Lower Upper

56 100

55 64.9 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

40000

30000

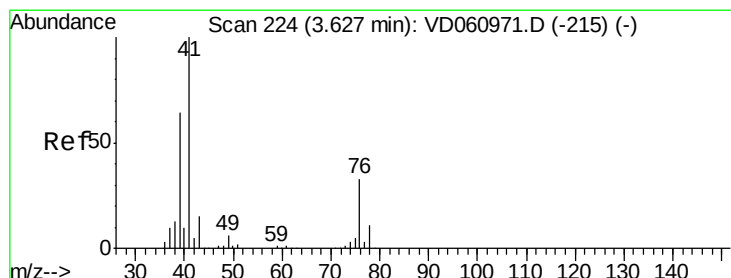
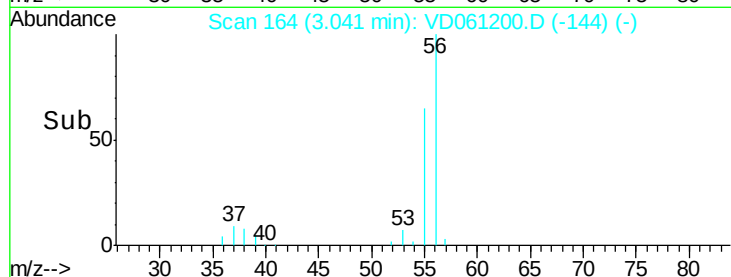
20000

10000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 46.051 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

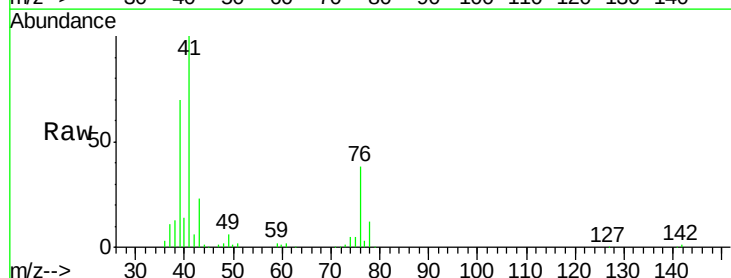
Tgt Ion: 41 Resp: 502948

Ion Ratio Lower Upper

41 100

39 69.7 51.1 76.7

76 38.0 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

3.62

200000

150000

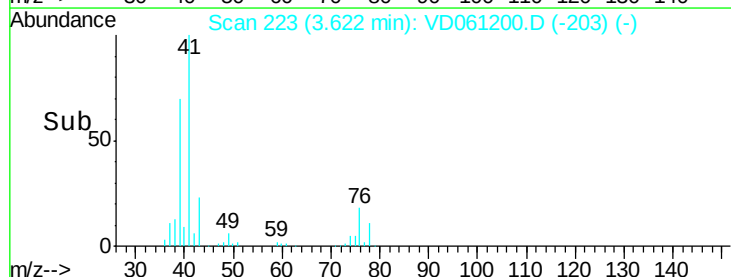
100000

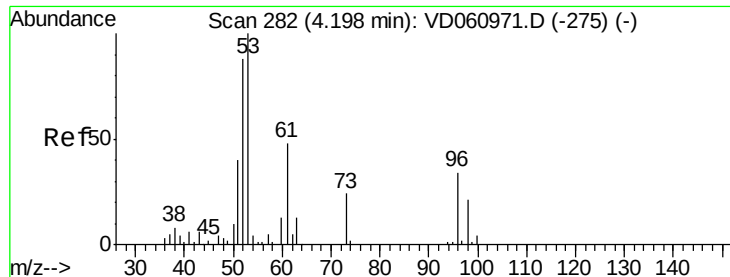
50000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 238.972 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.01 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

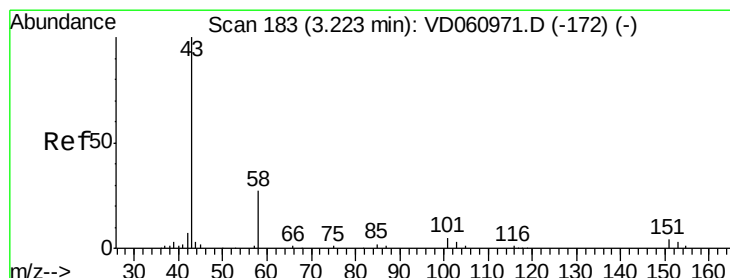
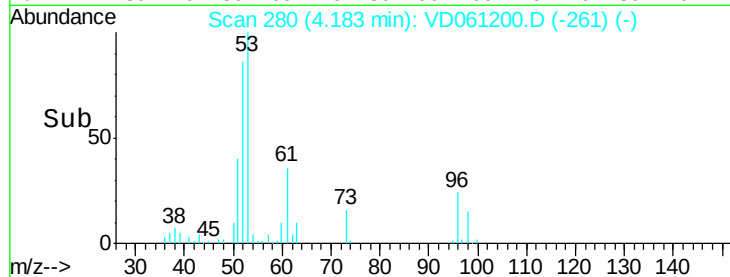
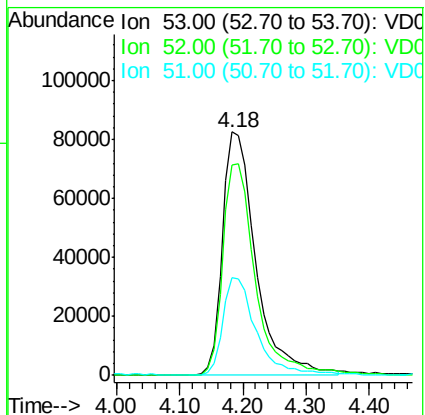
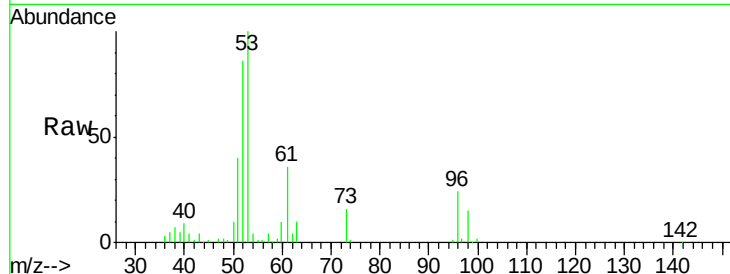
Tot Ion: 53 Resp: 304352

Ion Ratio Lower Upper

53 100

52 86.4 70.2 105.4

51 40.0 31.7 47.5



#16

Acetone

Concen: 253.506 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061200.D

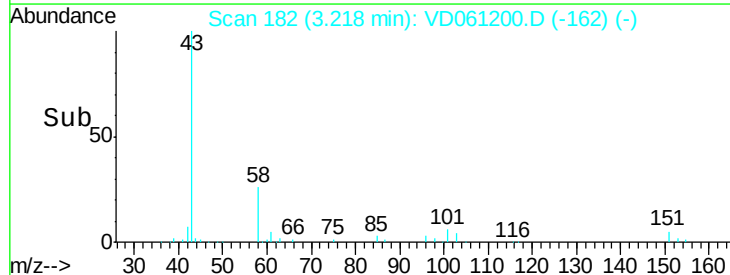
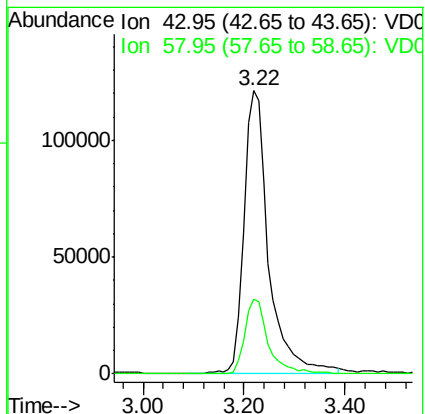
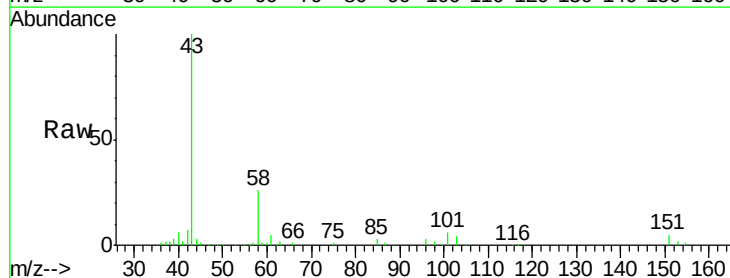
Acq: 20 Mar 2019 11:14

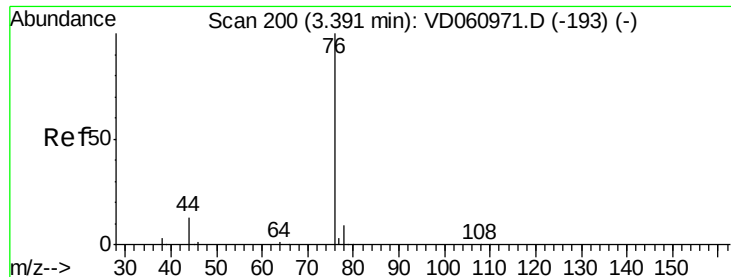
Tgt Ion: 43 Resp: 410332

Ion Ratio Lower Upper

43 100

58 26.3 21.6 32.4





#17

Carbon Disulfide

Concen: 44.650 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

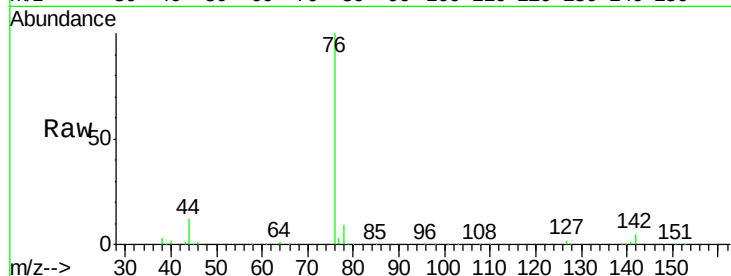
VSTDCCC050

Tot Ion: 76 Resp: 1028111

Ion Ratio Lower Upper

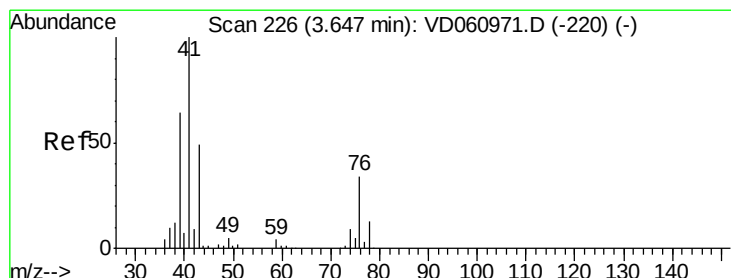
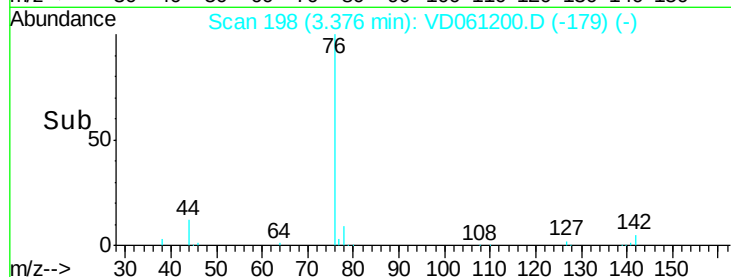
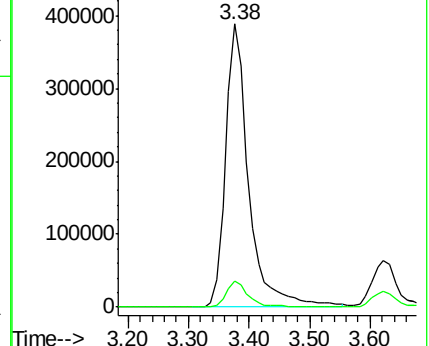
76 100

78 9.0 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 52.836 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061200.D

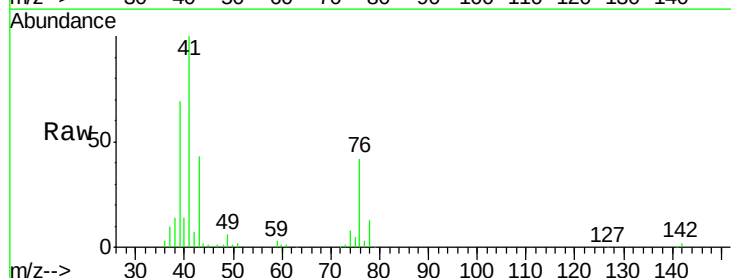
Acq: 20 Mar 2019 11:14

Tgt Ion: 43 Resp: 168304

Ion Ratio Lower Upper

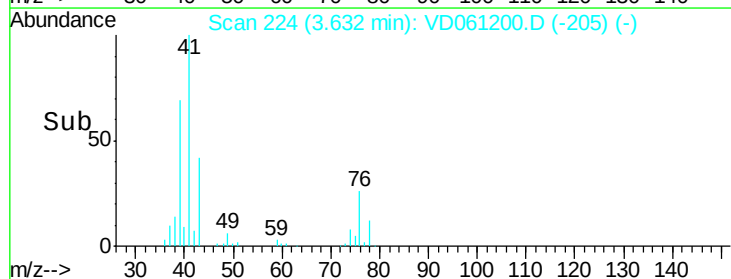
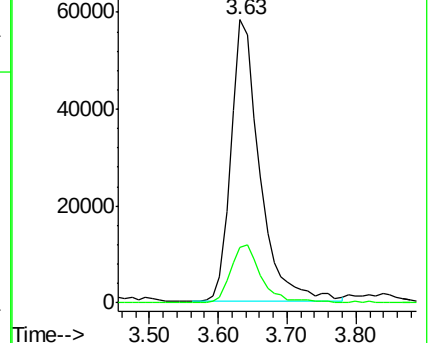
43 100

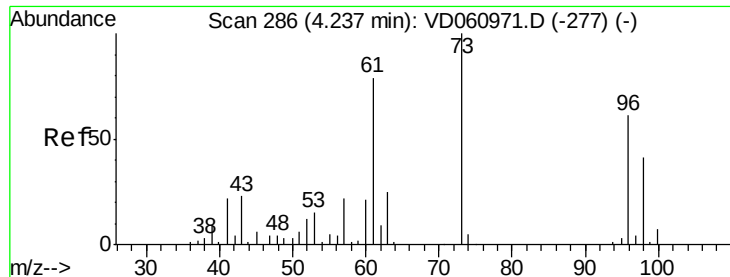
74 19.7 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

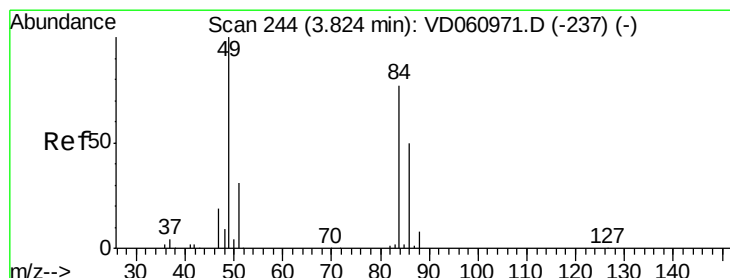
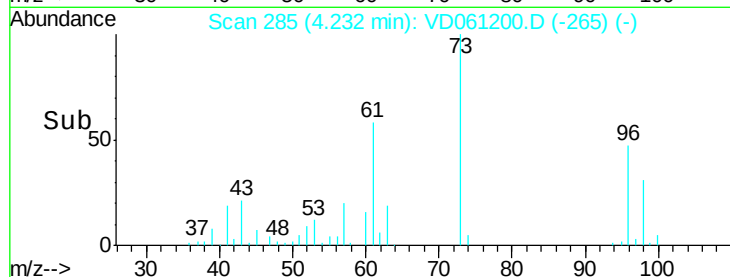
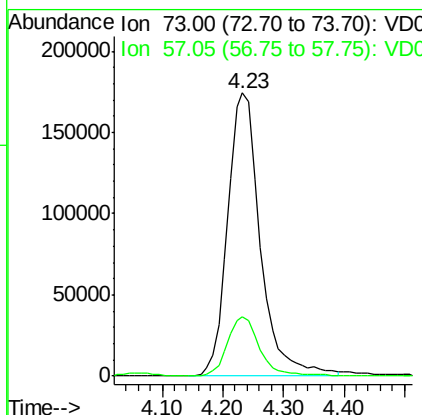
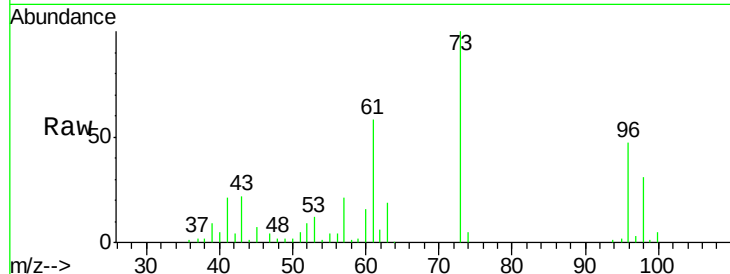




#19
Methyl tert-butyl Ether
Concen: 54.787 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

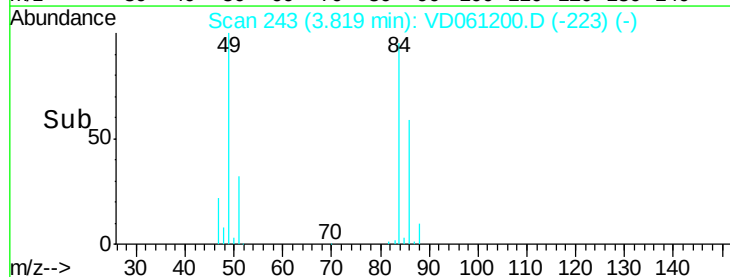
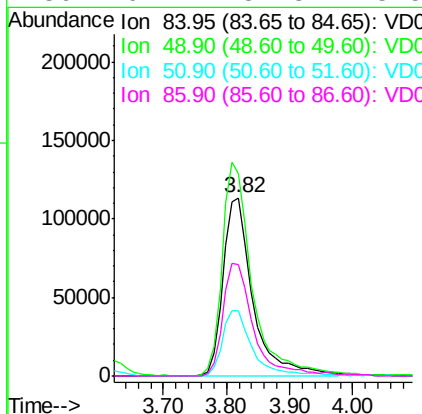
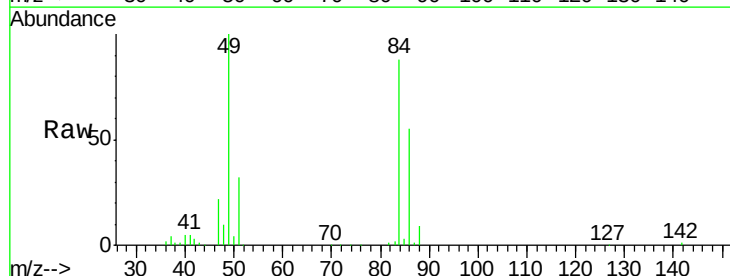
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

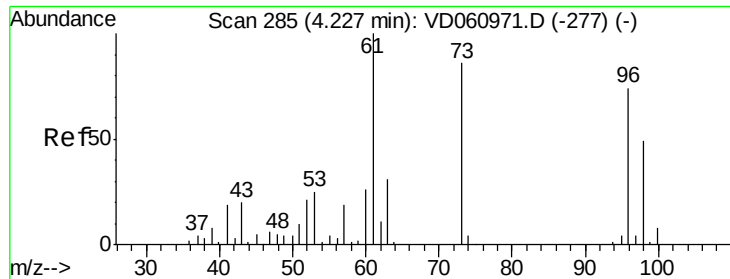
Tot Ion: 73 Resp: 655393
Ion Ratio Lower Upper
73 100
57 21.1 17.7 26.5



#20
Methylene Chloride
Concen: 50.486 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Tgt Ion: 84 Resp: 372267
Ion Ratio Lower Upper
84 100
49 113.5 104.2 156.2
51 36.4 32.3 48.5
86 62.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 49.683 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

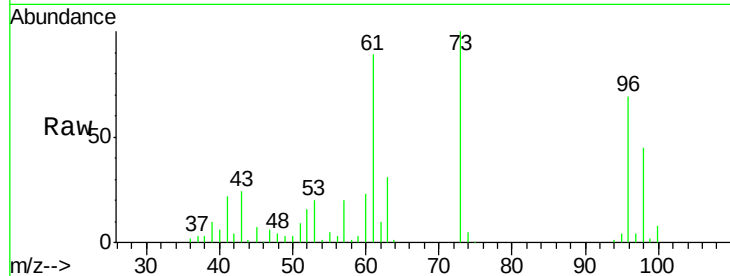
Tot Ion: 96 Resp: 367067

Ion Ratio Lower Upper

96 100

61 128.7 108.4 162.6

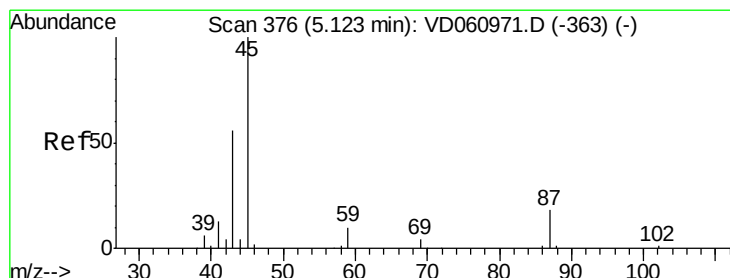
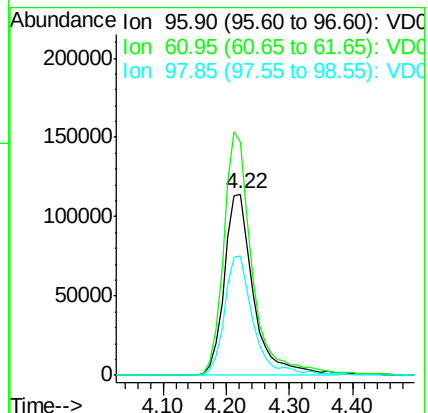
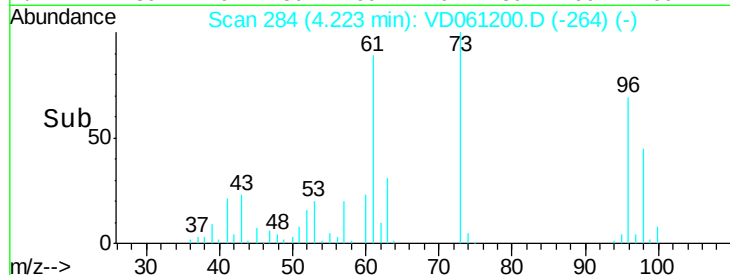
98 65.8 53.0 79.4



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: 44.578 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Tgt Ion: 45 Resp: 1010662

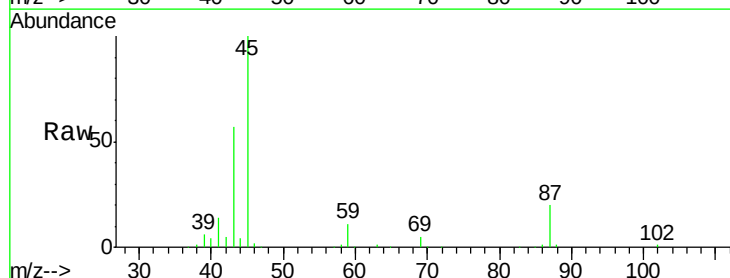
Ion Ratio Lower Upper

45 100

43 57.5 45.8 68.8

87 20.0 14.9 22.3

59 11.1 8.0 12.0

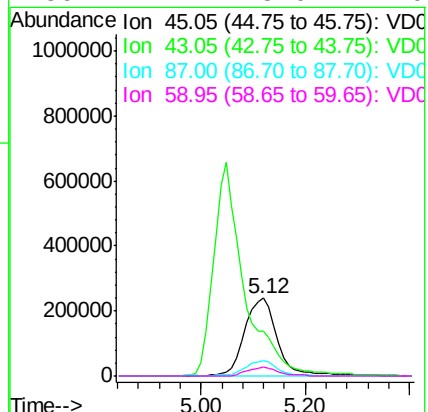
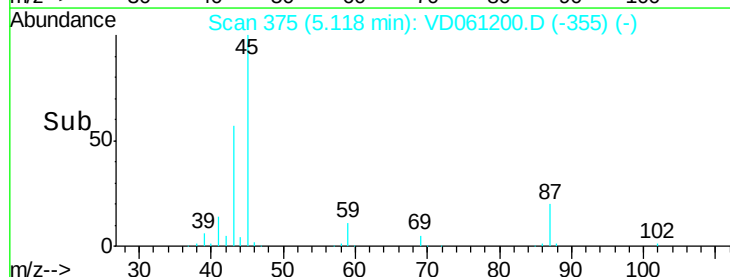


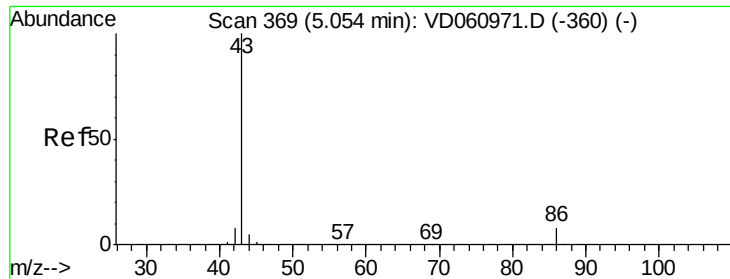
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 226.973 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

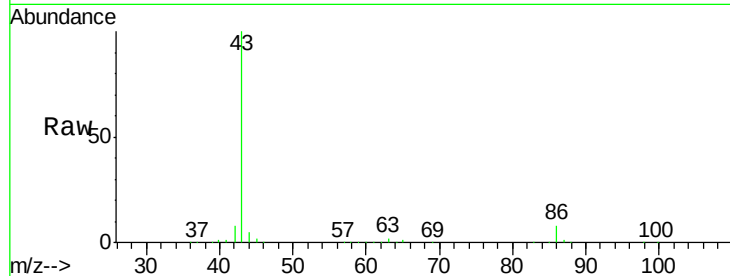
VSTDCCC050

Tot Ion: 43 Resp: 2641640

Ion Ratio Lower Upper

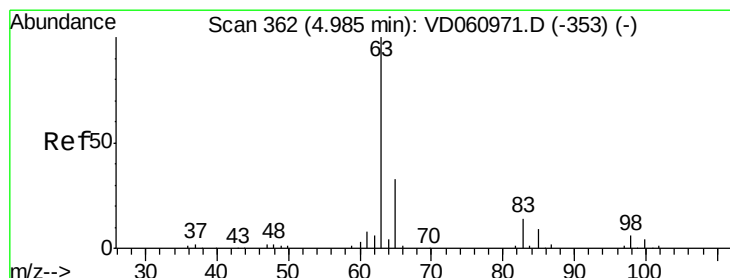
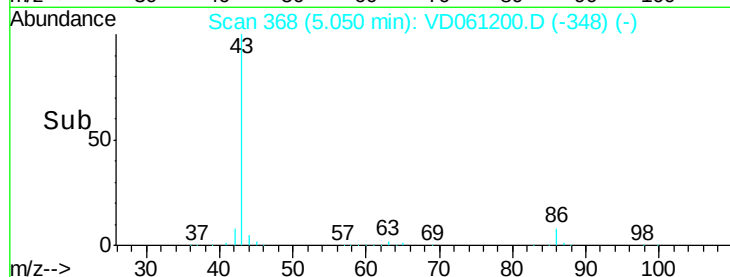
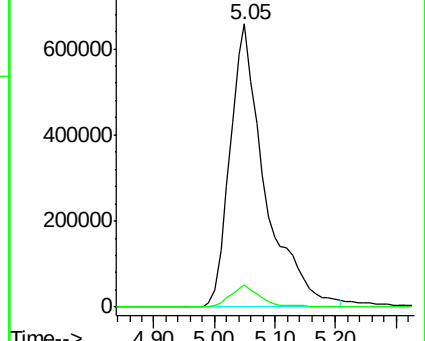
43 100

86 7.7 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: 51.539 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

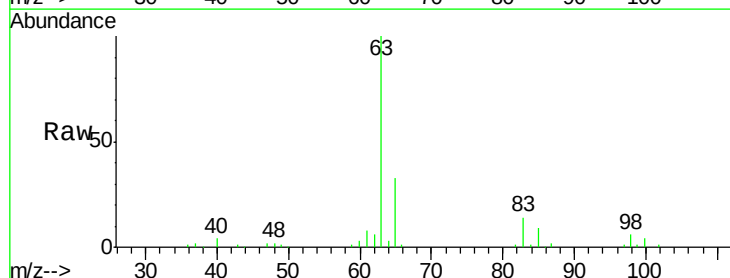
Tgt Ion: 63 Resp: 640224

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

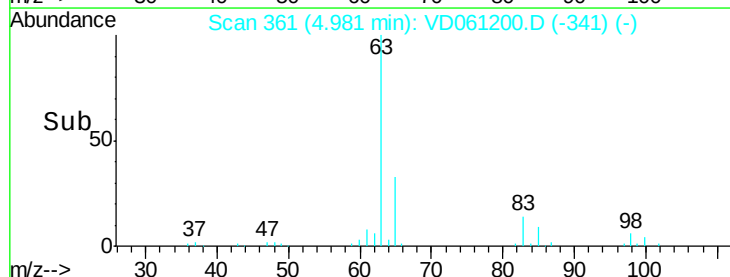
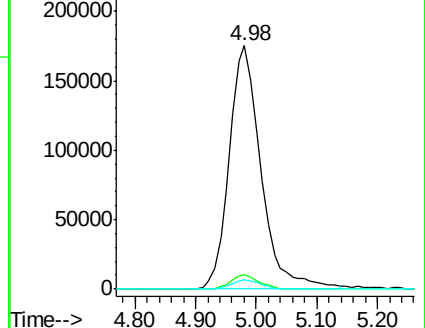
100 3.6 2.0 5.8

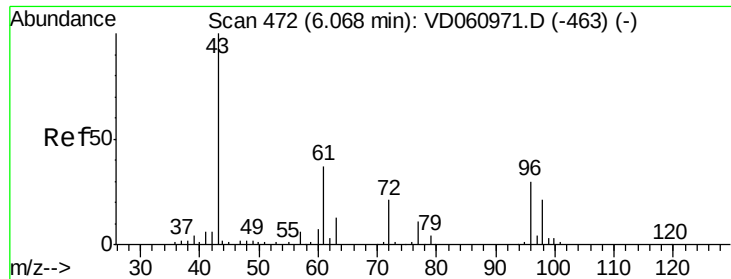


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 259.447 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

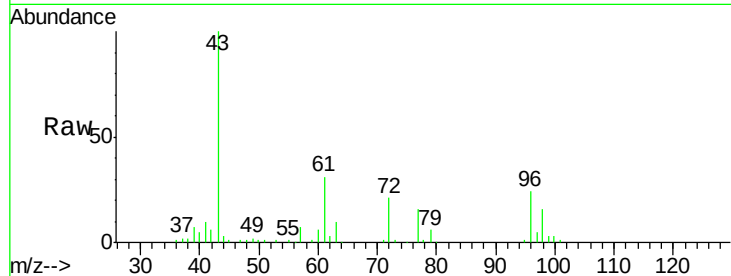
VSTDCCC050

Tot Ion: 43 Resp: 476525

Ion Ratio Lower Upper

43 100

72 21.3 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

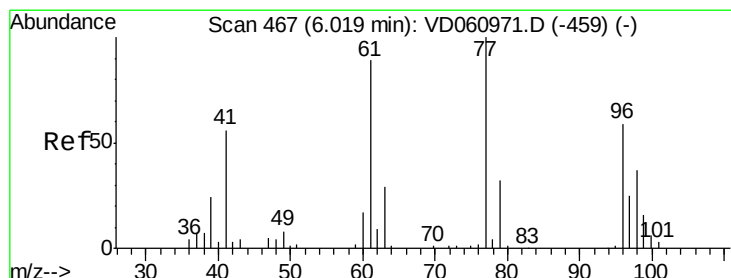
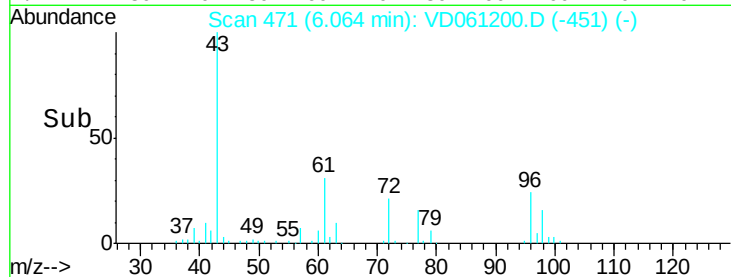
100000

50000

0

6.06

Time-->



#26

2,2-Dichloropropane

Concen: 55.875 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD061200.D

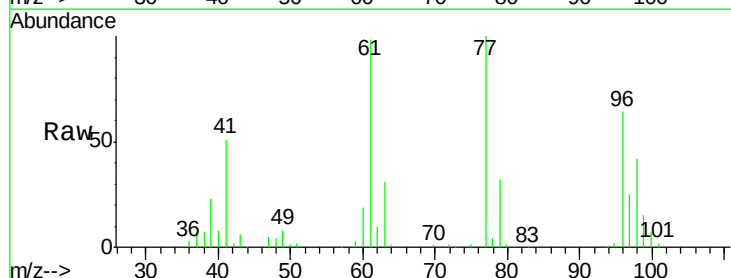
Acq: 20 Mar 2019 11:14

Tgt Ion: 77 Resp: 541837

Ion Ratio Lower Upper

77 100

97 24.8 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

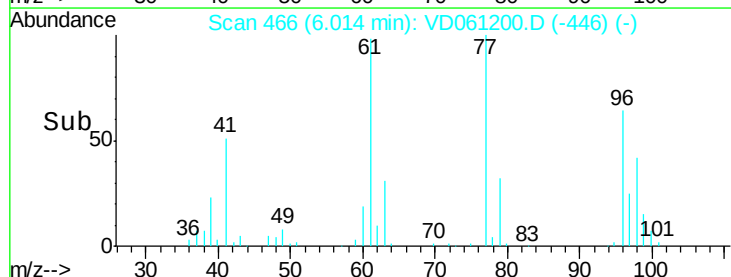
100000

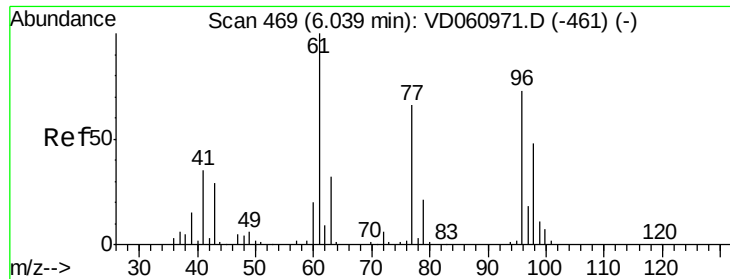
50000

0

6.01

Time-->



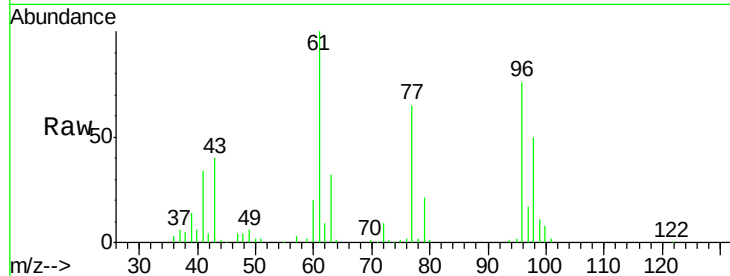


#27

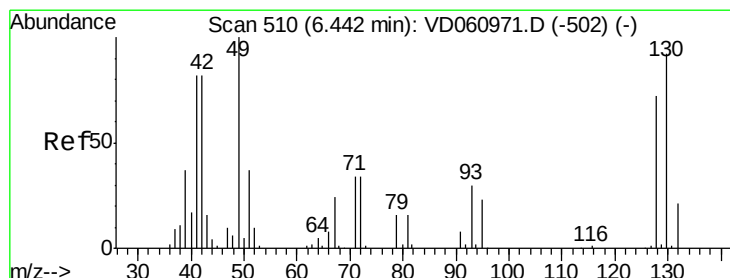
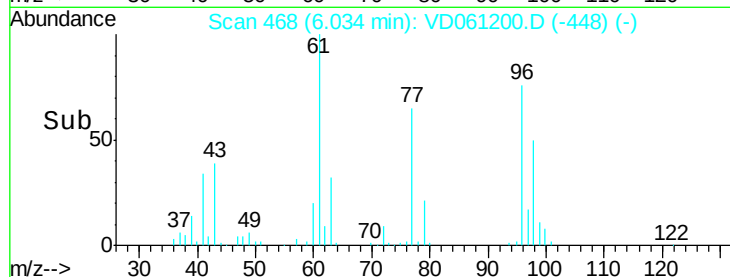
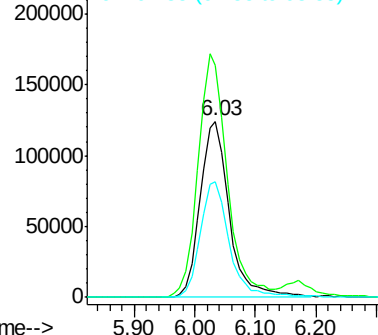
cis-1,2-Dichloroethene
 Concen: 53.093 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.8	0.0	273.6
98	65.6	0.0	132.6



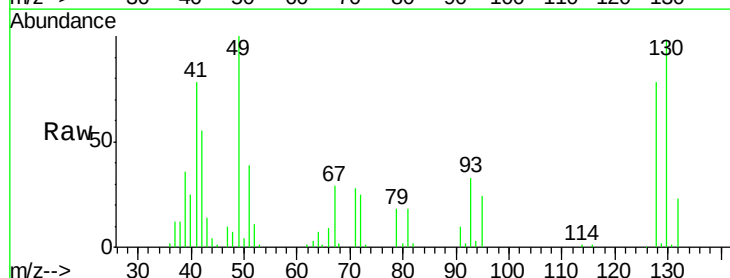
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



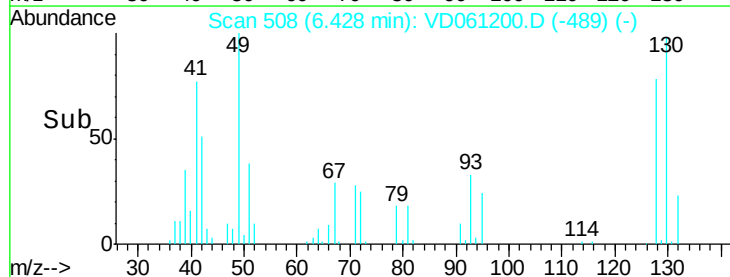
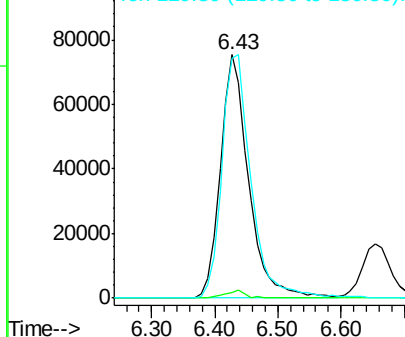
#28

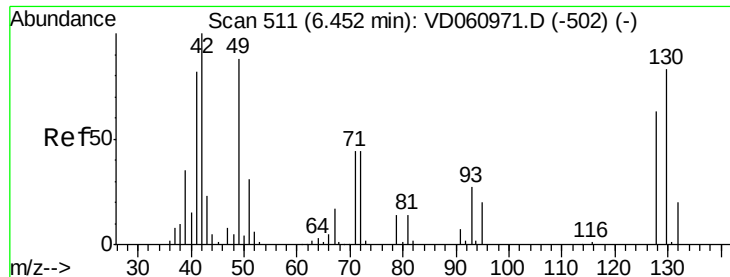
Bromochloromethane
 Concen: 44.467 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	98.3	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

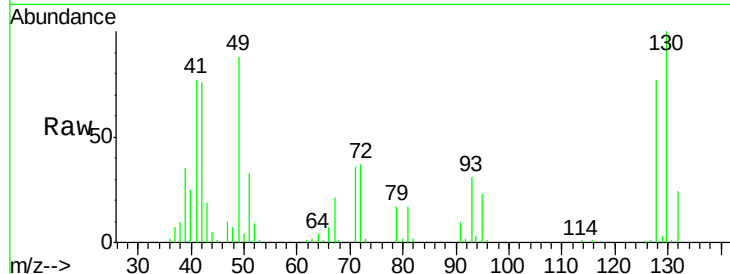




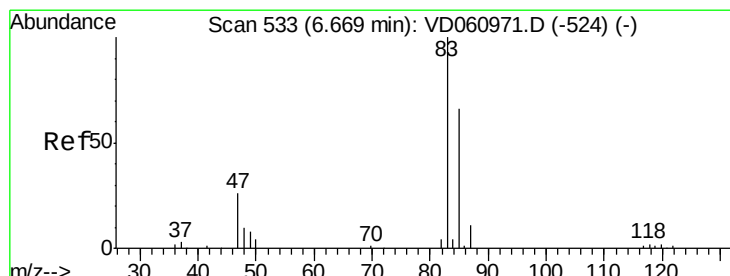
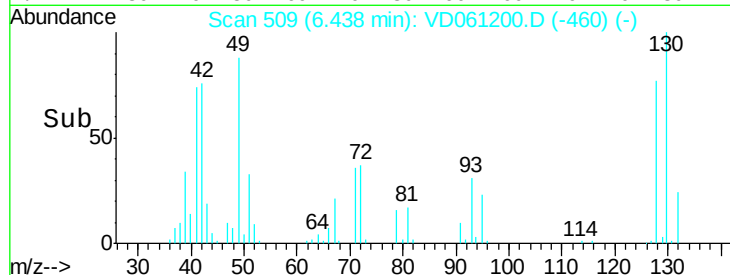
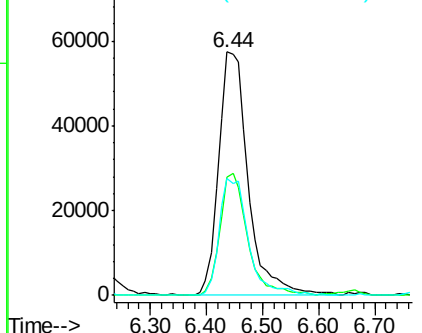
#29
Tetrahydrofuran
Concen: 212.058 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 211491
Ion Ratio Lower Upper
42 100
72 46.5 34.5 51.7
71 47.2 33.8 50.6

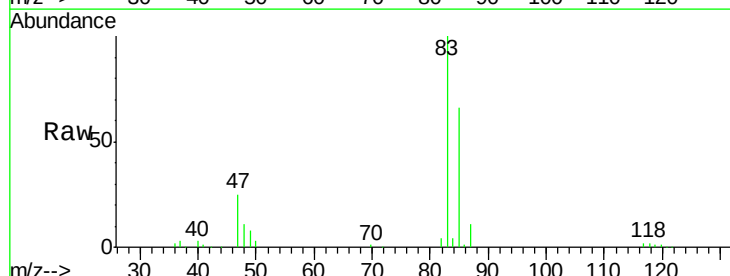


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

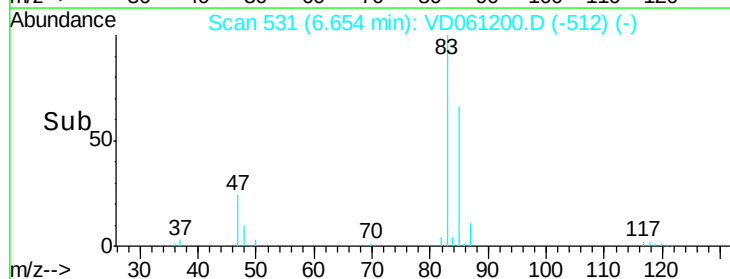
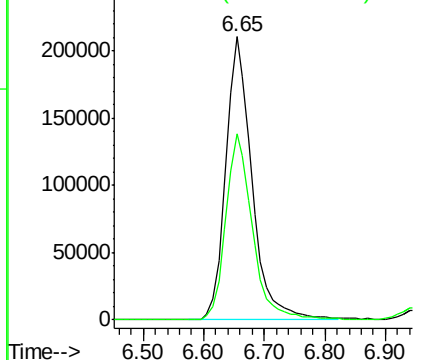


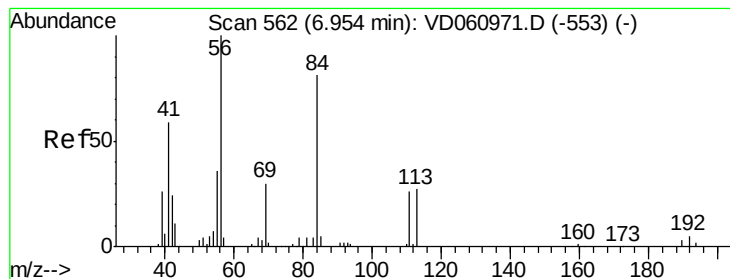
#30
Chloroform
Concen: 49.141 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Tgt Ion: 83 Resp: 632664
Ion Ratio Lower Upper
83 100
85 65.9 53.0 79.4



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





#31

Cyclohexane

Concen: 47.095 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

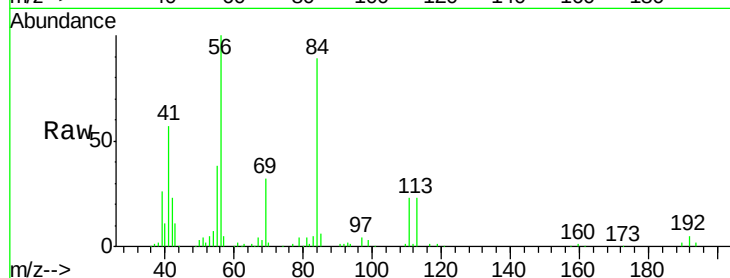
Tot Ion: 56 Resp: 471710

Ion Ratio Lower Upper

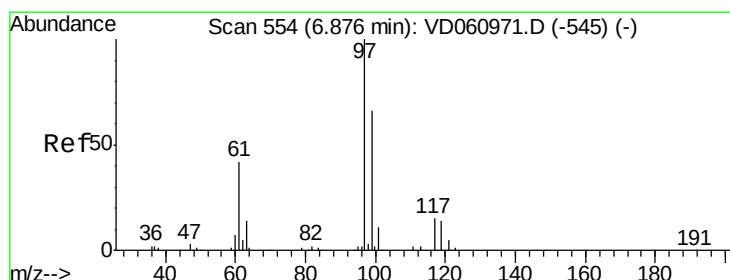
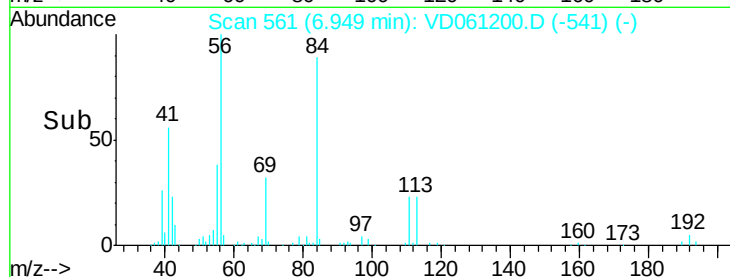
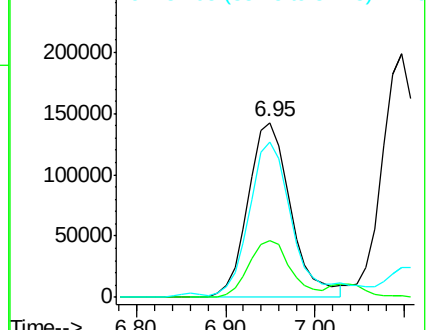
56 100

69 32.4 24.0 36.0

84 89.0 65.8 98.6



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



#32

1,1,1-Trichloroethane

Concen: 51.574 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.01 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

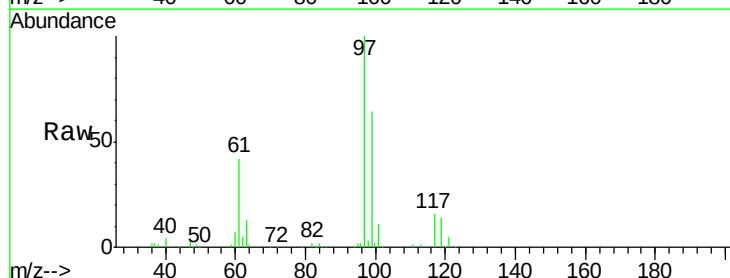
Tgt Ion: 97 Resp: 574047

Ion Ratio Lower Upper

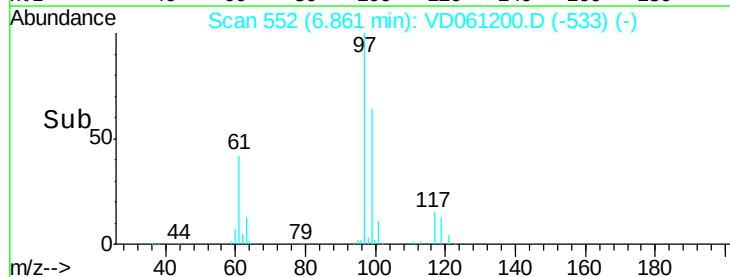
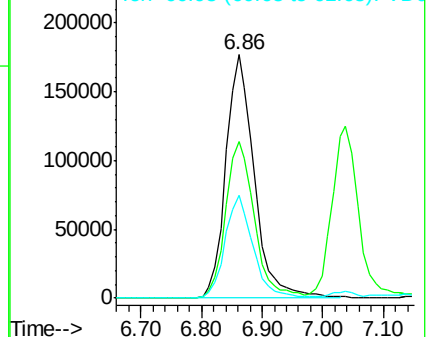
97 100

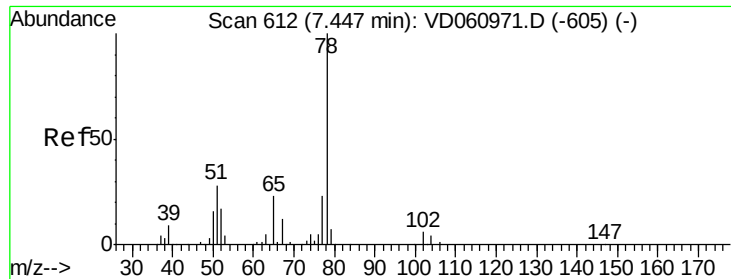
99 64.5 53.2 79.8

61 42.2 33.8 50.8



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

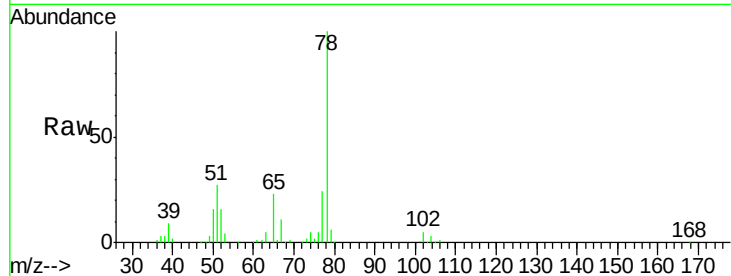




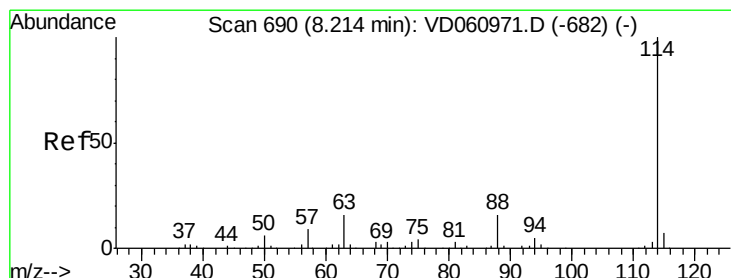
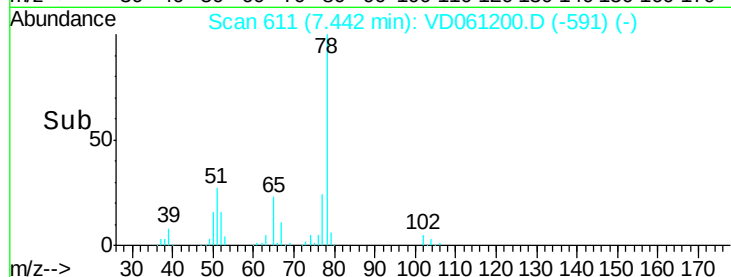
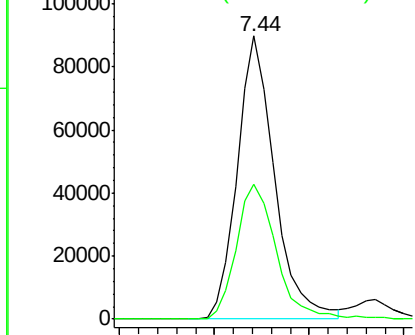
#33
 1,2-Dichloroethane-d4
 Concen: 51.574 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 245658
 Ion Ratio Lower Upper
 65 100
 67 47.5 0.0 105.2

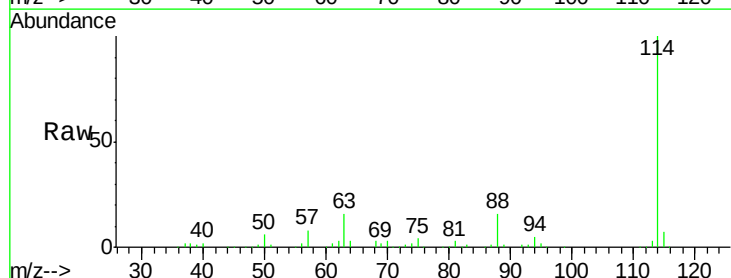


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

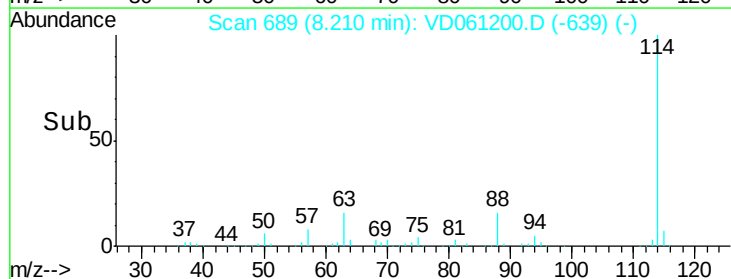
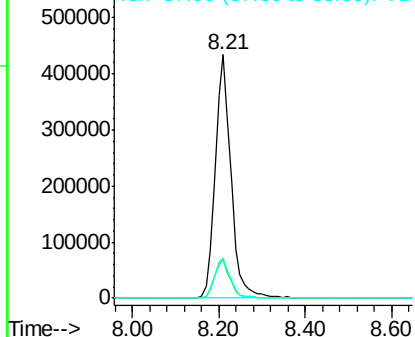


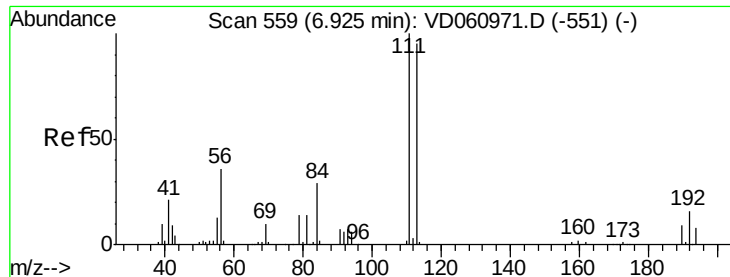
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 114 Resp: 1100154
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 31.4
 88 16.4 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





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

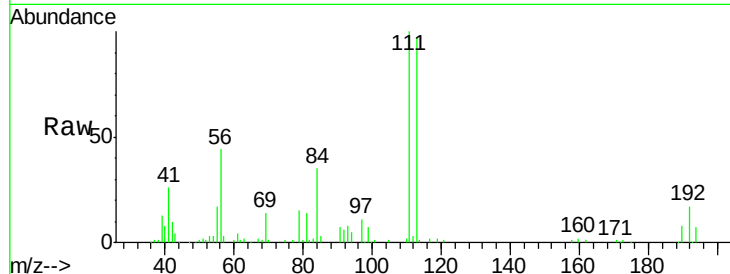
Tot Ion:113 Resp: 387670

Ion Ratio Lower Upper

113 100

111 103.3 84.2 126.4

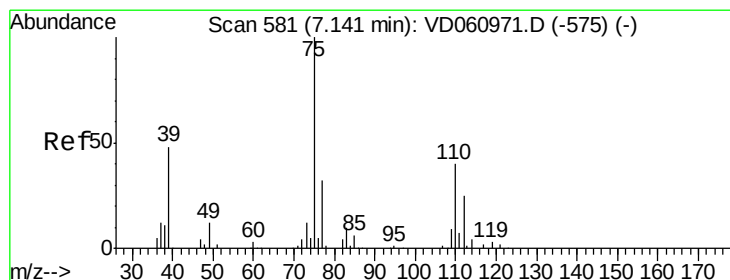
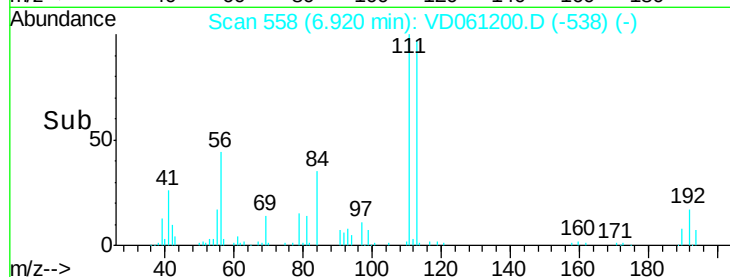
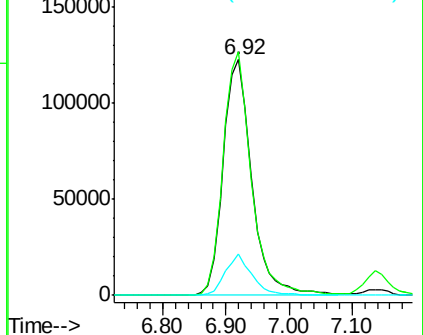
192 17.3 13.1 19.7



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: 51.332 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

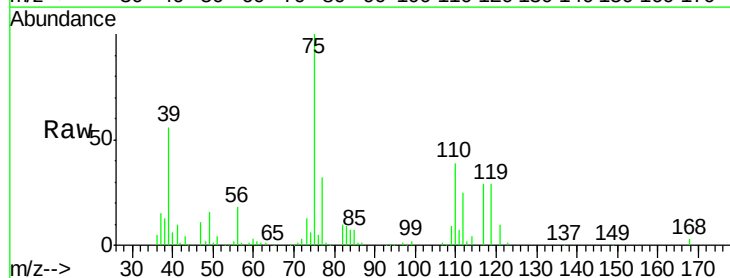
Tgt Ion: 75 Resp: 486792

Ion Ratio Lower Upper

75 100

110 38.9 19.7 59.1

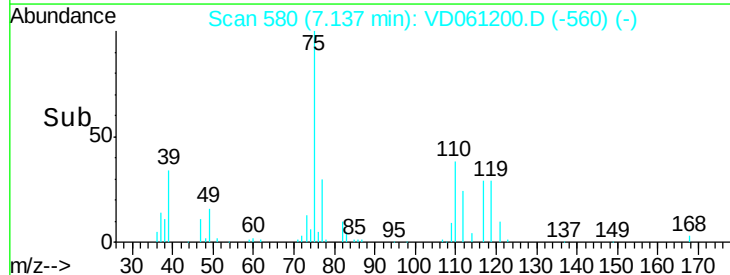
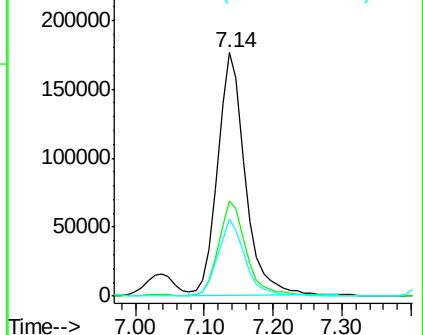
77 31.6 24.7 37.1

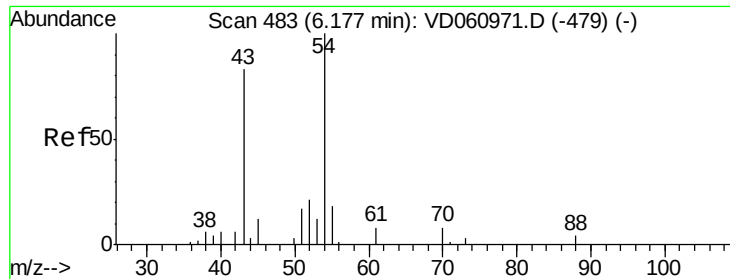


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

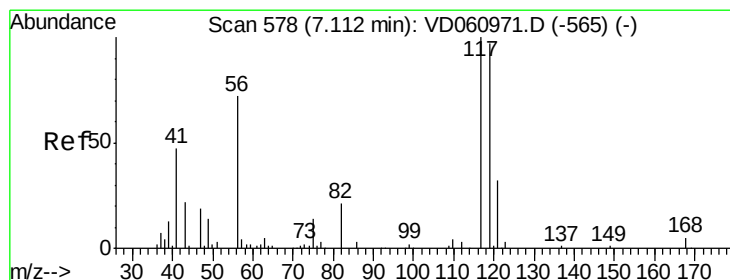
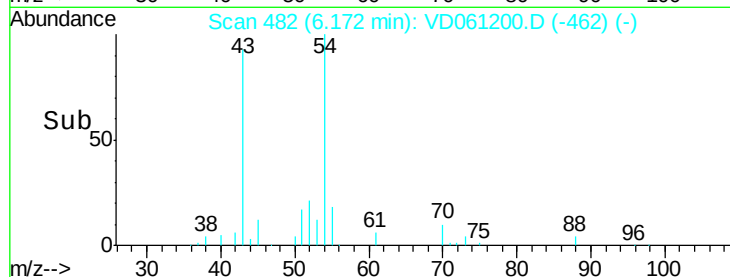
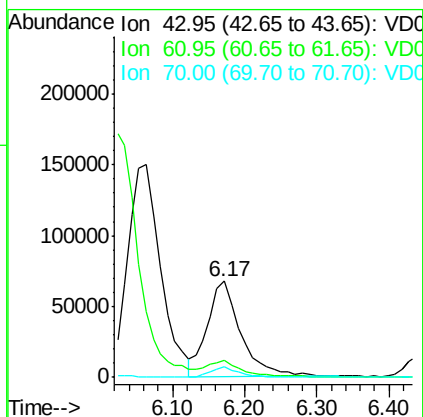
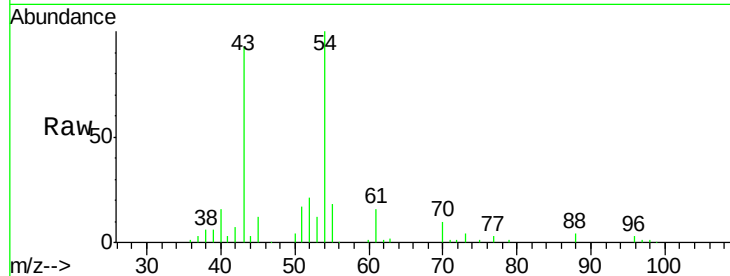




#37
Ethyl Acetate
Concen: 48.320 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

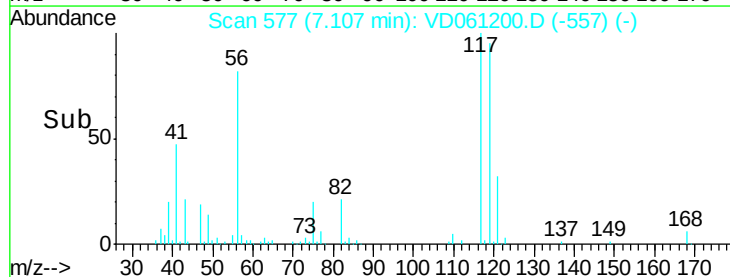
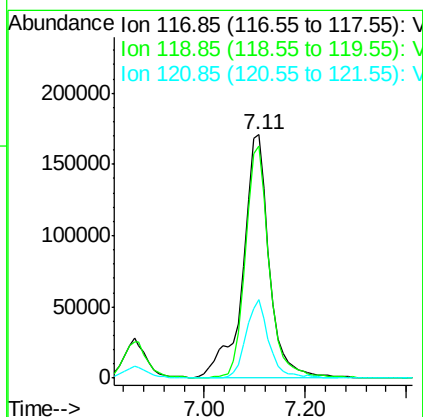
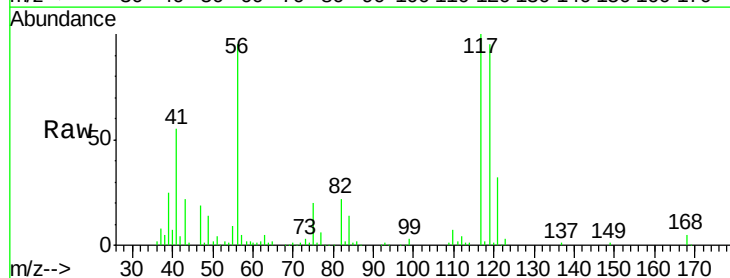
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

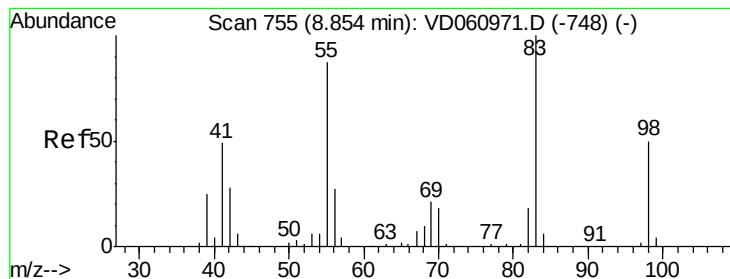
Tot Ion: 43 Resp: 215030
Ion Ratio Lower Upper
43 100
61 17.1 13.7 20.5
70 10.7 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 58.950 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Tgt Ion: 117 Resp: 615796
Ion Ratio Lower Upper
117 100
119 95.2 77.8 116.8
121 32.4 25.3 37.9





#39

Methylvlcyclohexane

Concen: 49.214 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

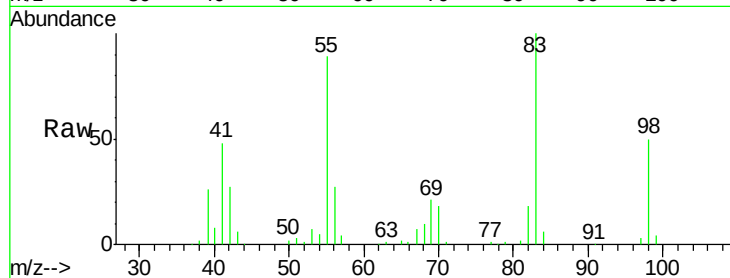
Tot Ion: 83 Resp: 483936

Ion Ratio Lower Upper

83 100

55 89.2 69.6 104.4

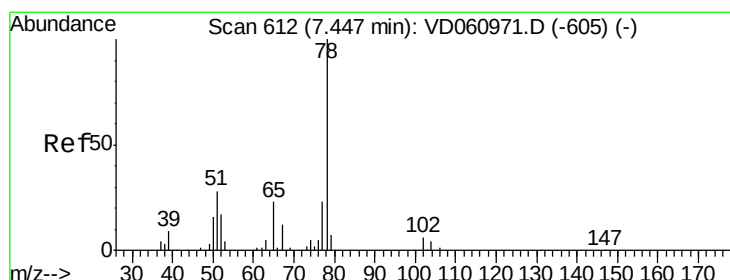
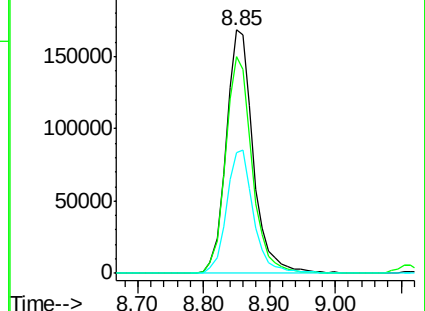
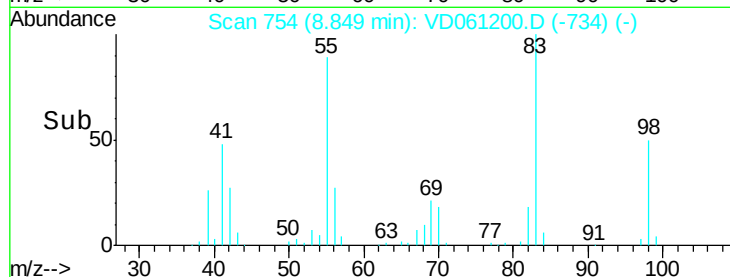
98 49.6 40.0 60.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 48.600 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD061200.D

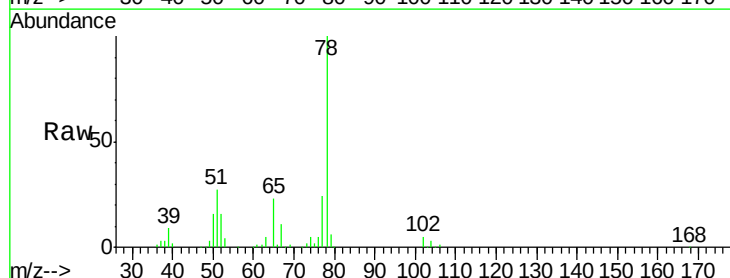
Acq: 20 Mar 2019 11:14

Tgt Ion: 78 Resp: 1151627

Ion Ratio Lower Upper

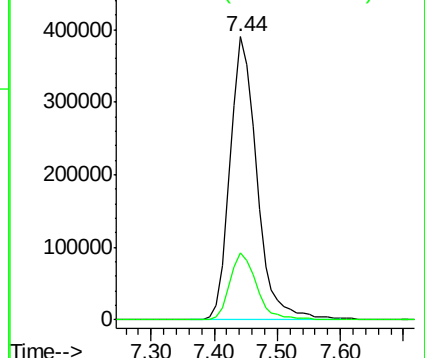
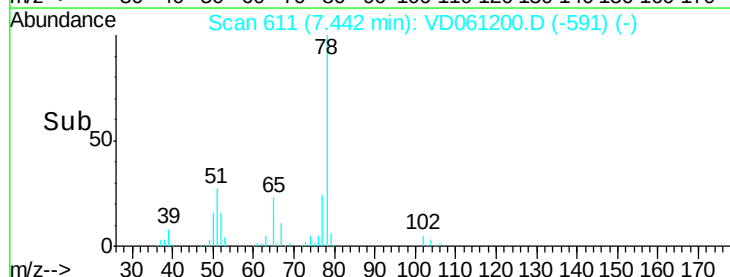
78 100

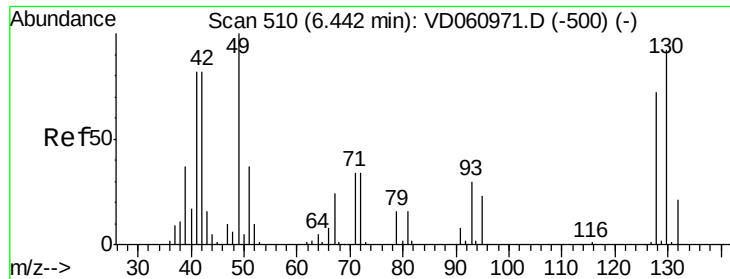
77 23.8 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 47.156 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.01 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 241373

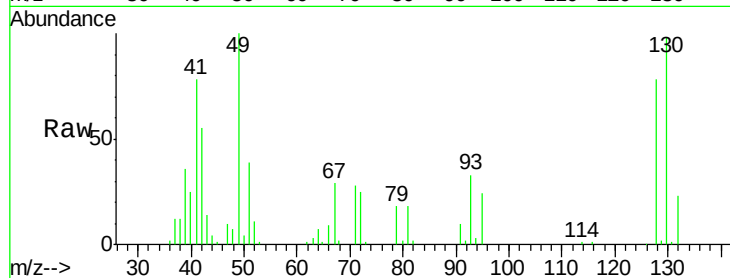
Ion Ratio Lower Upper

41 100

39 46.0 35.7 53.5

67 36.6 23.0 34.6#

52 14.4 9.2 13.8#

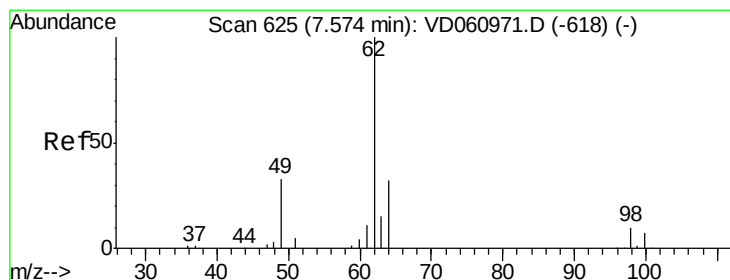
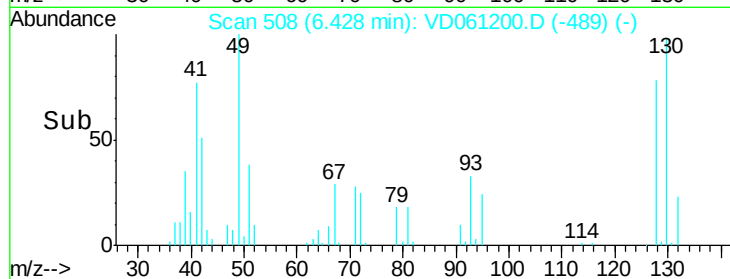
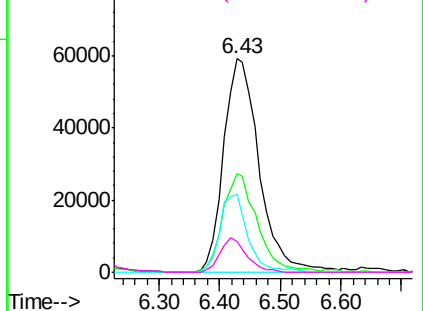


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 55.238 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.00 min

Lab File: VD061200.D

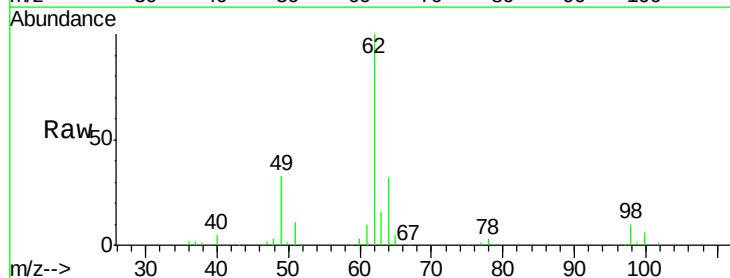
Acq: 20 Mar 2019 11:14

Tgt Ion: 62 Resp: 379845

Ion Ratio Lower Upper

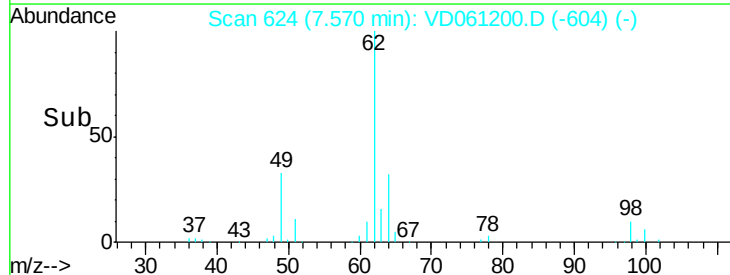
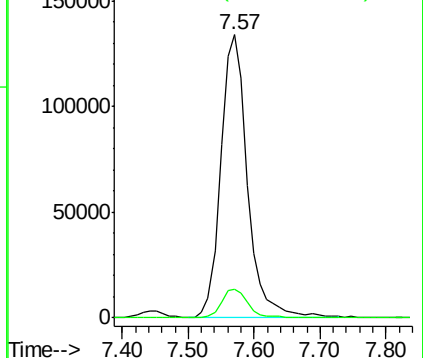
62 100

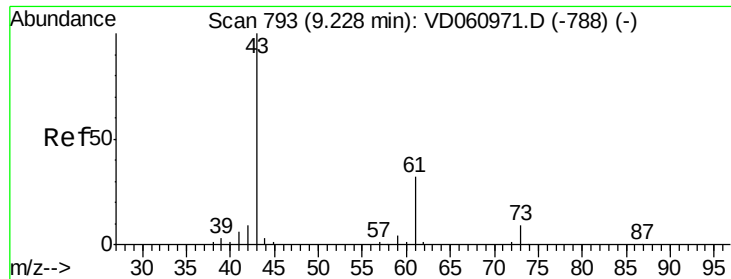
98 10.3 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



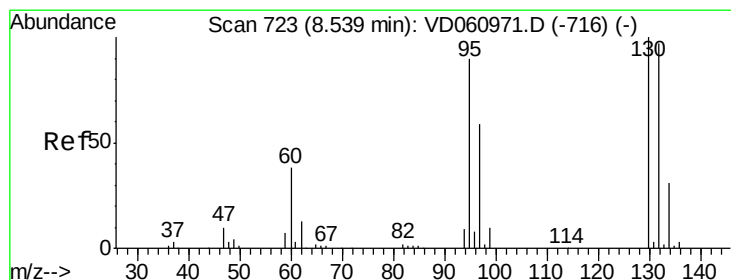
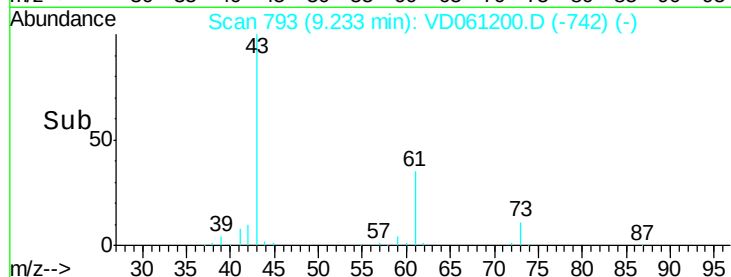
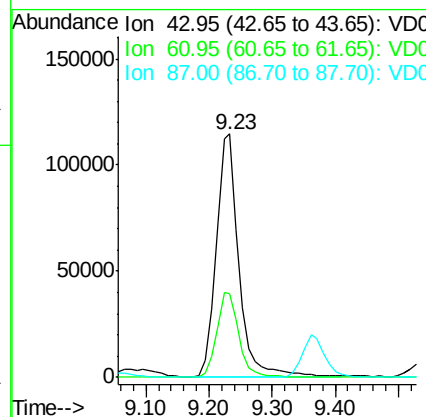
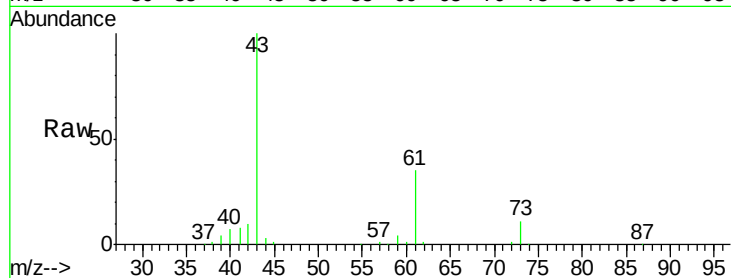


#43

Isopropyl Acetate
 Concen: 47.364 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

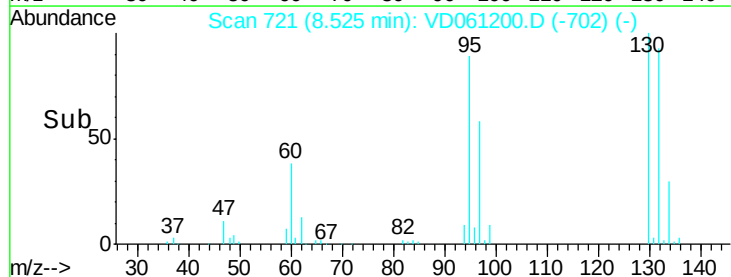
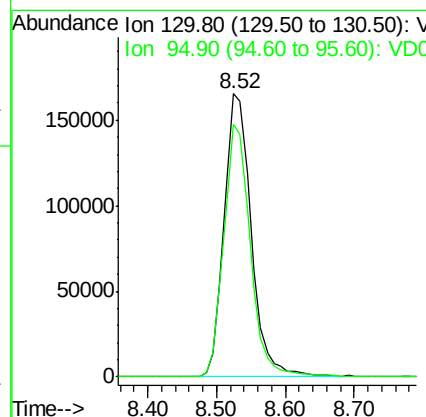
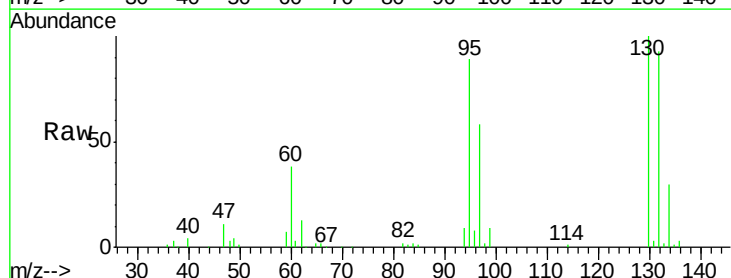
Tot Ion: 43 Resp: 291929
 Ion Ratio Lower Upper
 43 100
 61 34.6 25.6 38.4
 87 0.4 0.2 0.4#

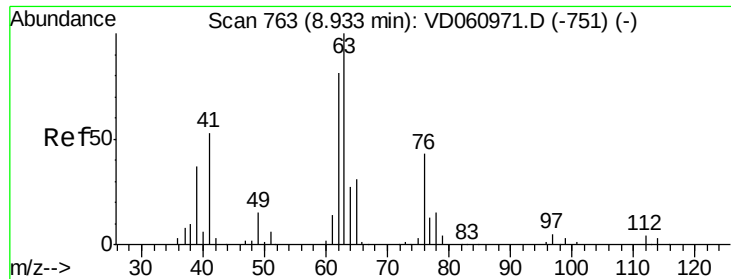


#44

Trichloroethene
 Concen: 55.290 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 130 Resp: 451996
 Ion Ratio Lower Upper
 130 100
 95 89.1 0.0 179.4

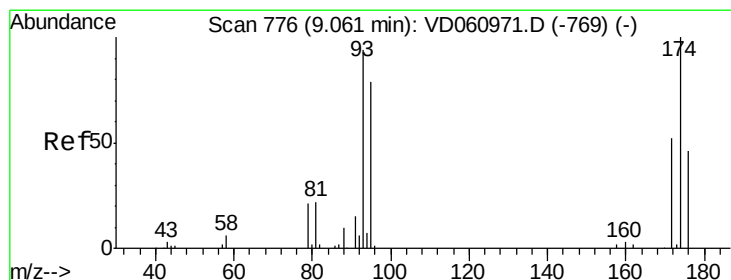
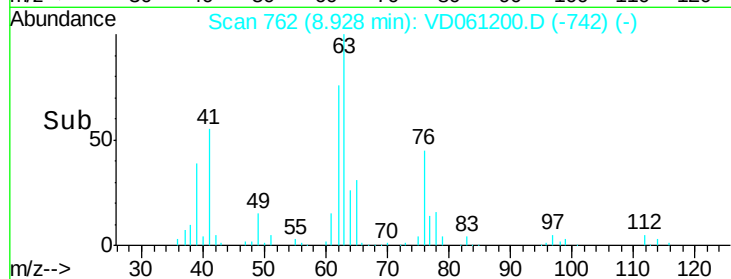
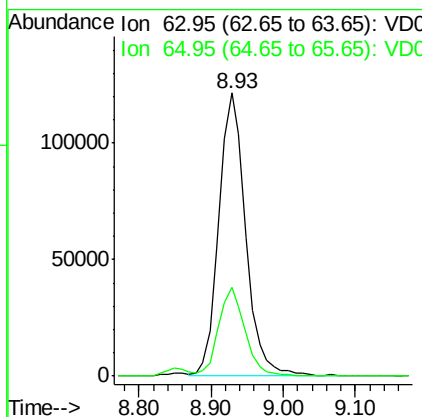
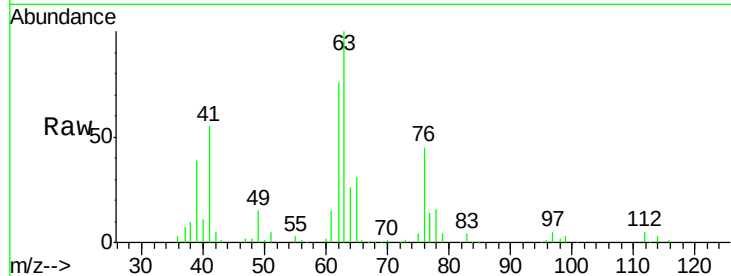




#45
 1,2-Dichloropropane
 Concen: 50.233 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

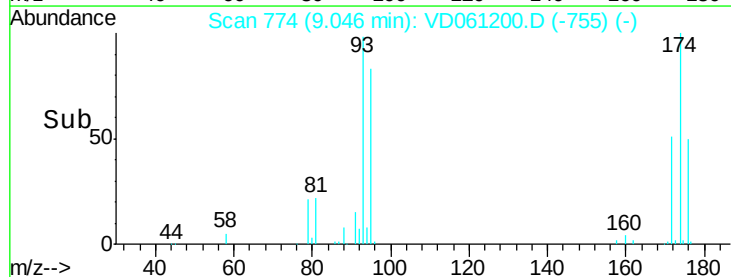
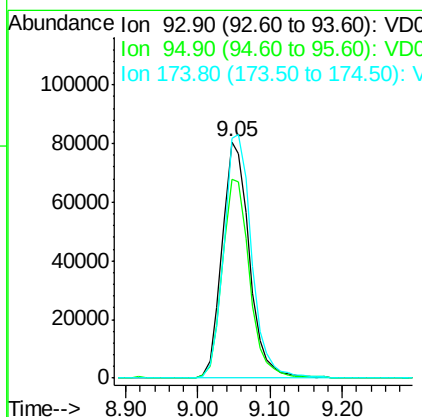
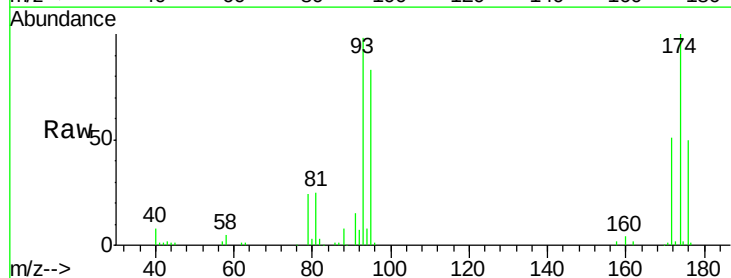
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

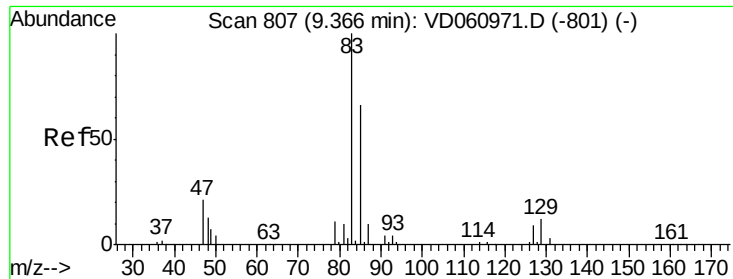
Tot Ion: 63 Resp: 312722
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.8 37.2



#46
 Dibromomethane
 Concen: 53.198 ug/l
 RT: 9.05 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 93 Resp: 210079
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.4 101.0
 174 101.5 85.4 128.0





#47

Bromodichloromethane

Concen: 53.784 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

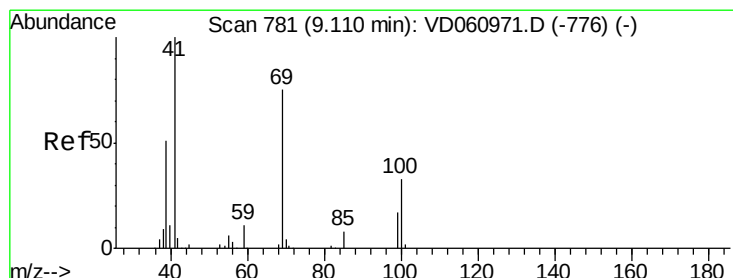
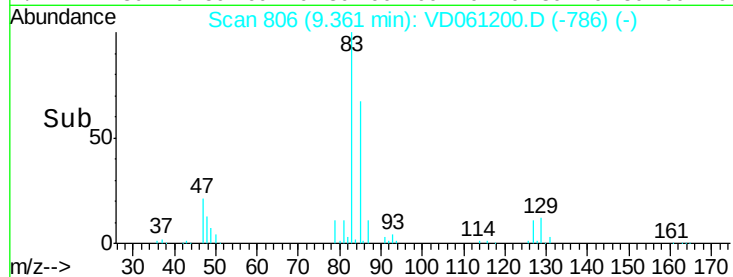
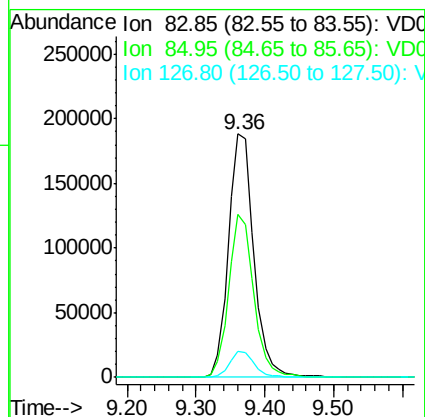
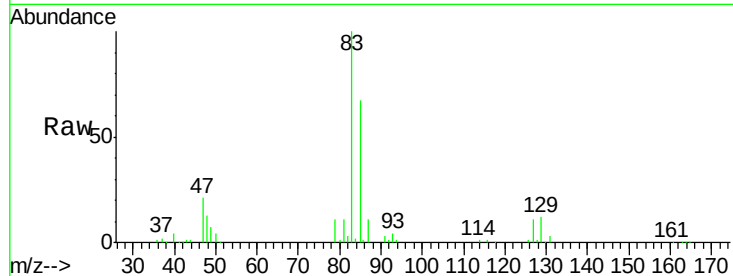
Tot Ion: 83 Resp: 479286

Ion Ratio Lower Upper

83 100

85 67.1 52.5 78.7

127 10.9 7.5 11.3



#48

Methyl methacrylate

Concen: 51.643 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

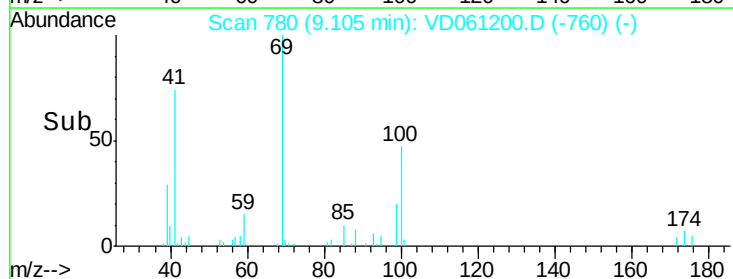
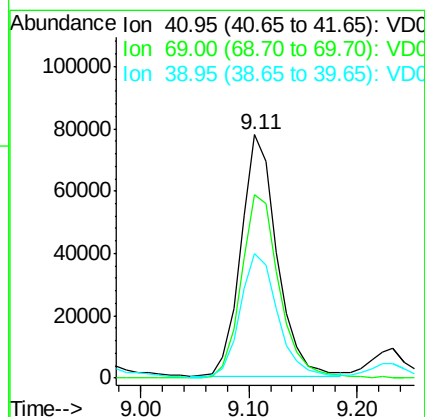
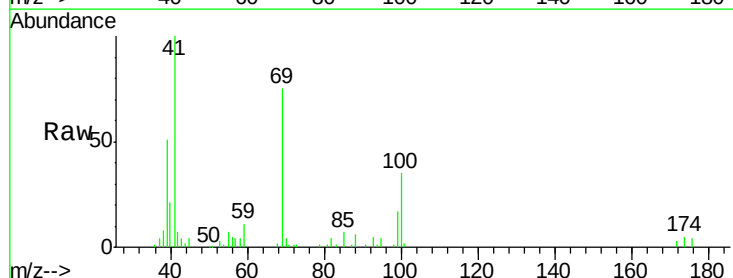
Tgt Ion: 41 Resp: 179217

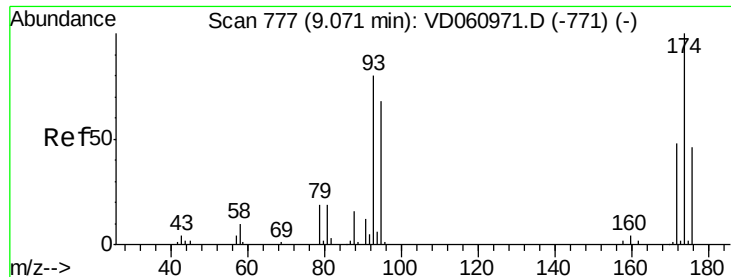
Ion Ratio Lower Upper

41 100

69 75.3 59.9 89.9

39 51.4 40.9 61.3

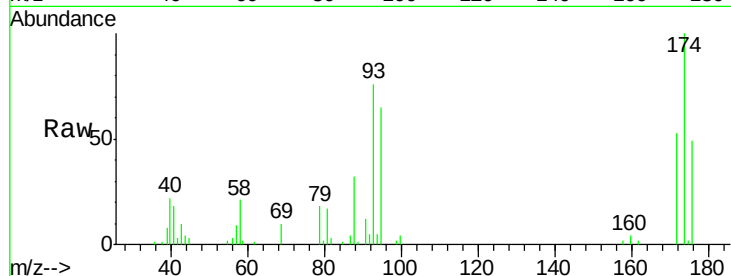




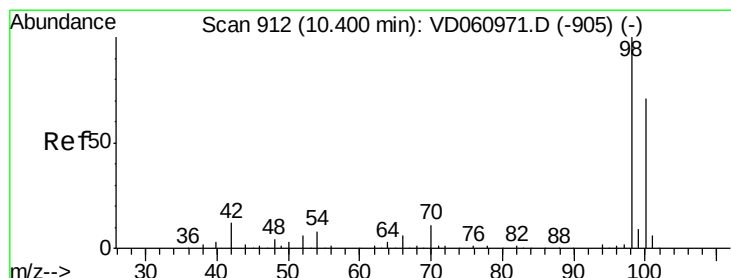
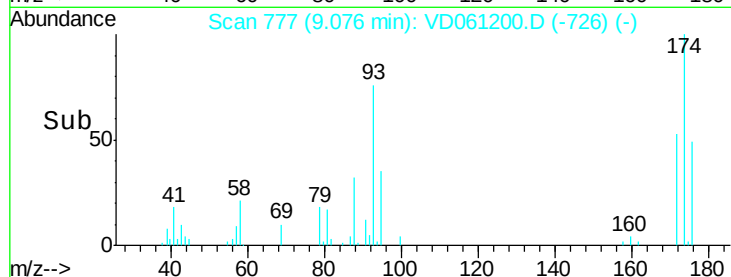
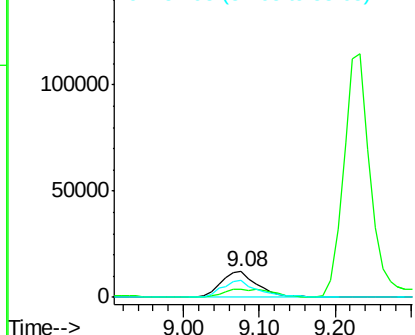
#49
1,4-Dioxane
Concen: 1152.684 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 40449
Ion Ratio Lower Upper
88 100
43 32.3 21.0 31.6#
58 66.1 48.6 72.8

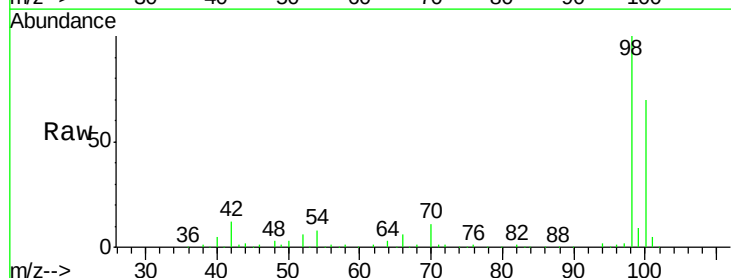


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

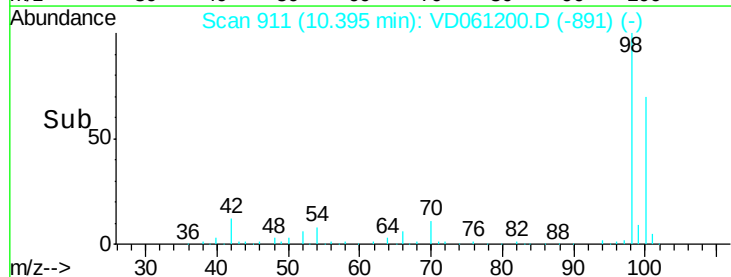
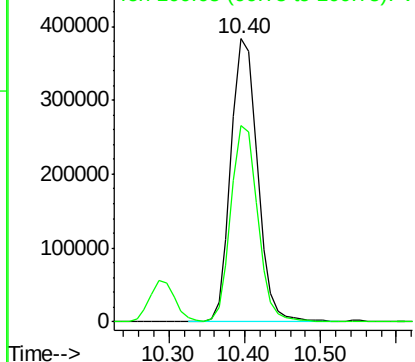


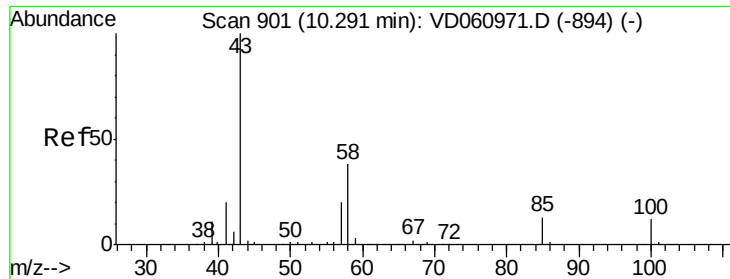
#50
Toluene-d8
Concen: 1152.684 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Tgt Ion: 98 Resp: 933386
Ion Ratio Lower Upper
98 100
100 69.5 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 261.885 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

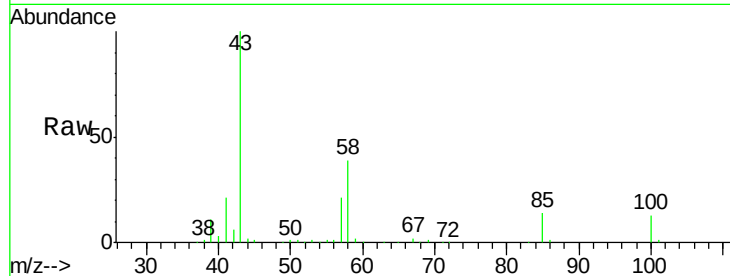
VSTDCCC050

Tot Ion: 43 Resp: 988868

Ion Ratio Lower Upper

43 100

58 39.3 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

400000

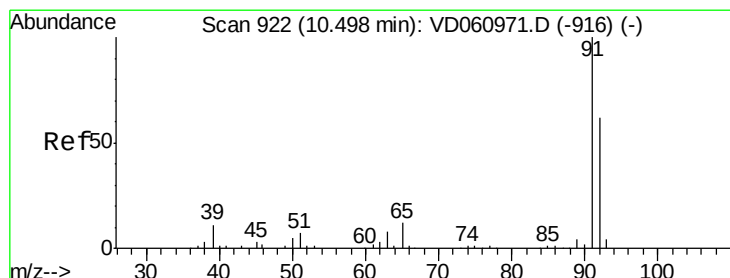
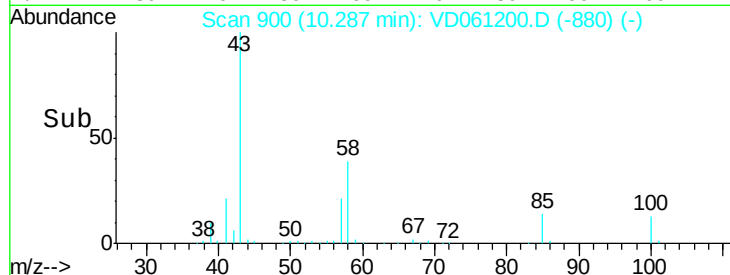
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.003 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD061200.D

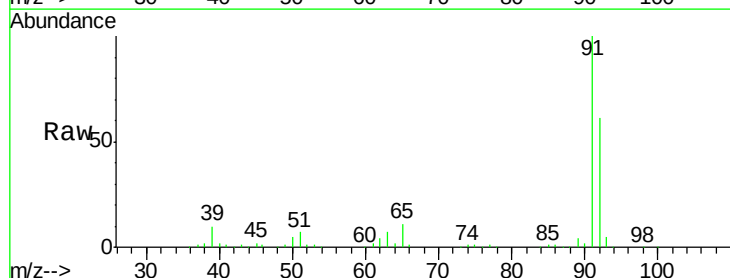
Acq: 20 Mar 2019 11:14

Tgt Ion: 92 Resp: 766270

Ion Ratio Lower Upper

92 100

91 164.5 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.49

600000

500000

400000

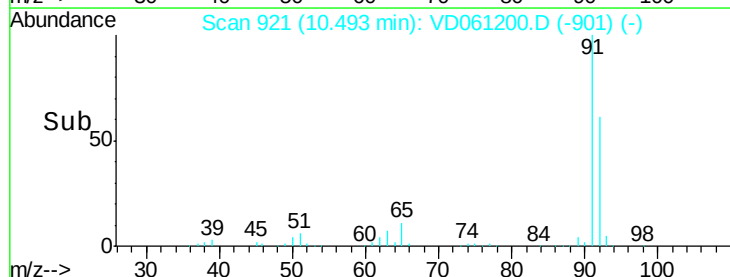
300000

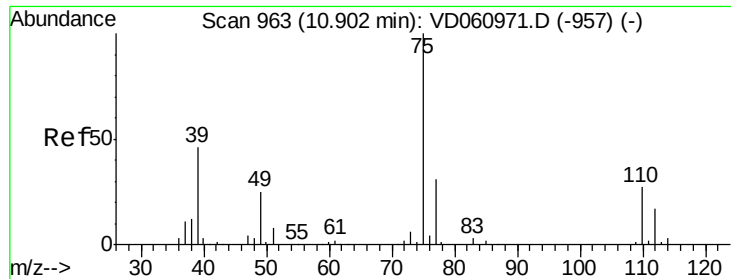
200000

100000

0

Time-->

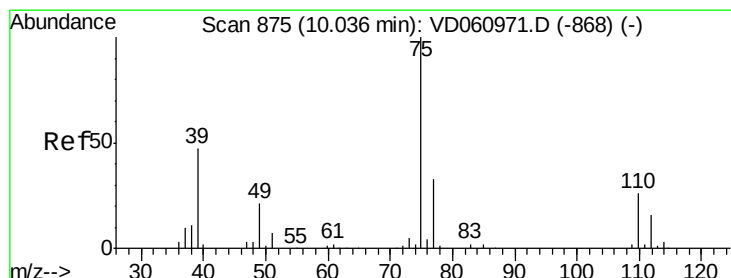
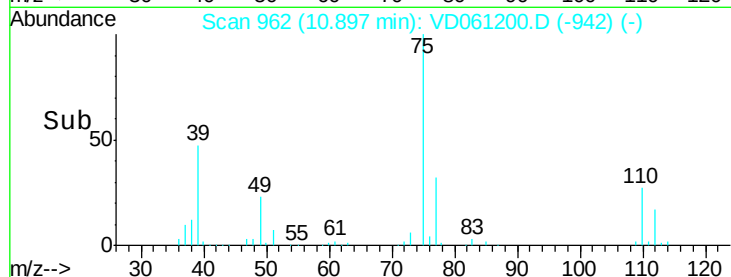
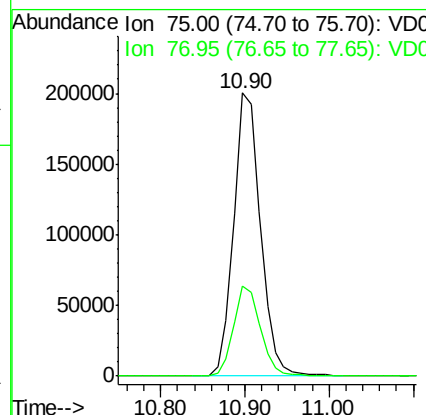
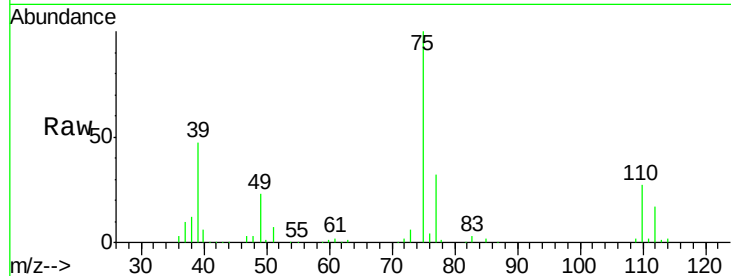




#53
 t-1,3-Dichloropropene
 Concen: 54.558 ug/l
 RT: 10.90 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

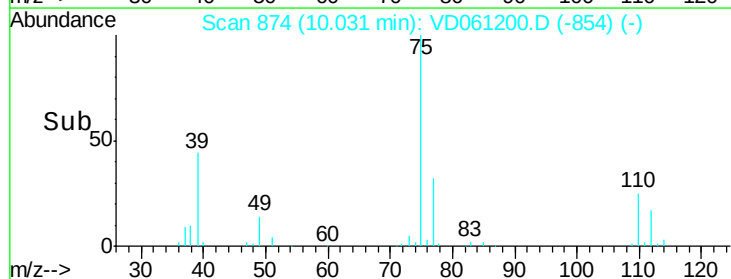
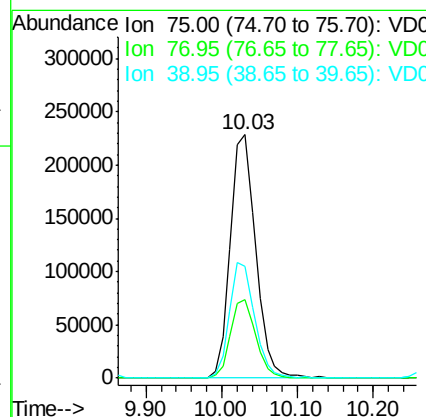
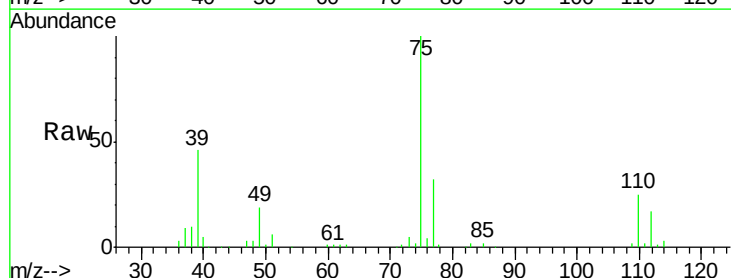
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

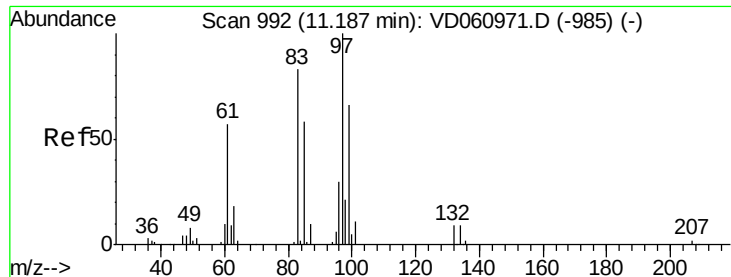
Tot Ion: 75 Resp: 444562
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 54.373 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 75 Resp: 532340
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.4
 39 45.8 37.8 56.8

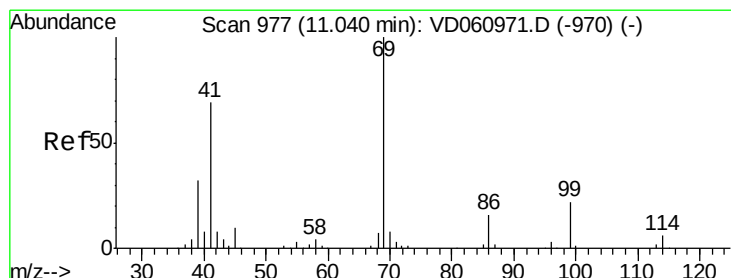
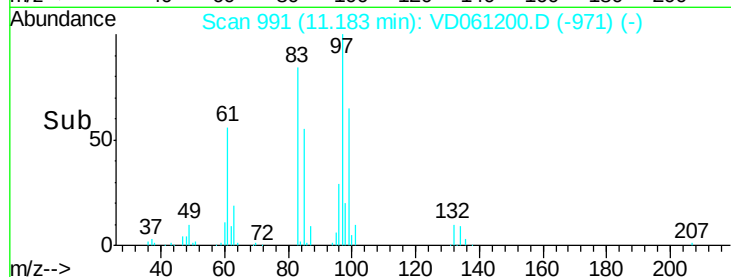
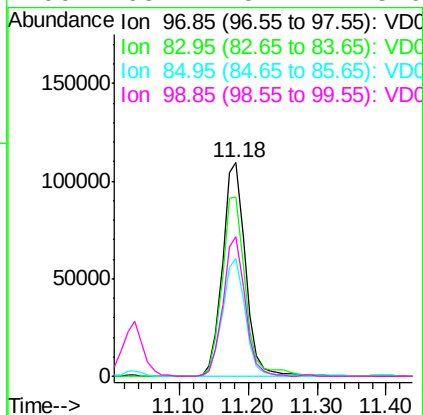
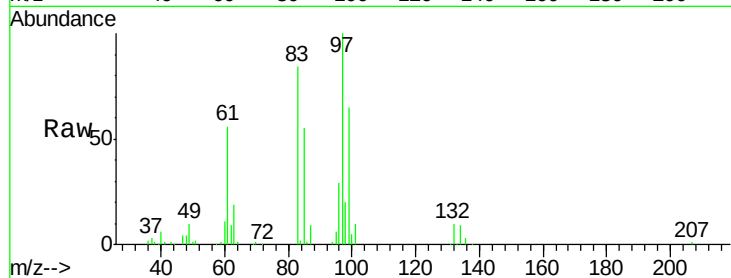




#55
 1,1,2-Trichloroethane
 Concen: 51.293 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

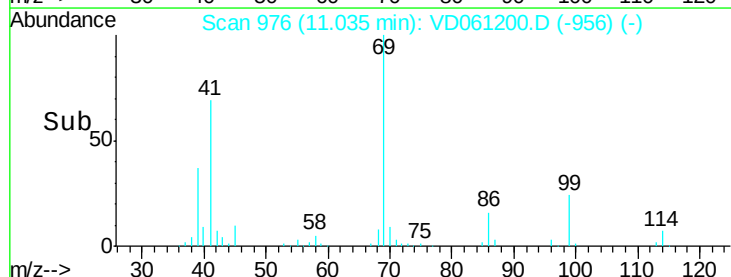
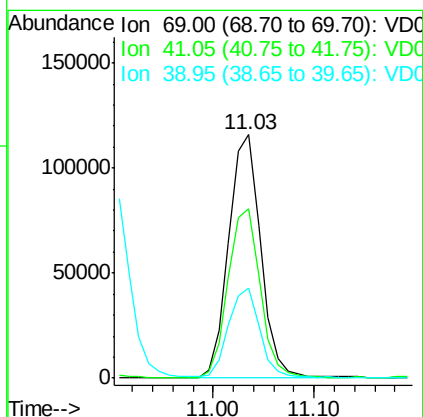
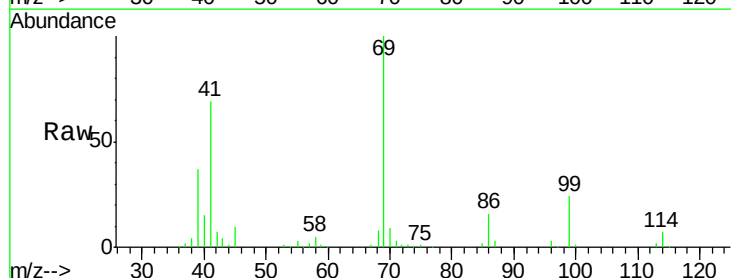
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

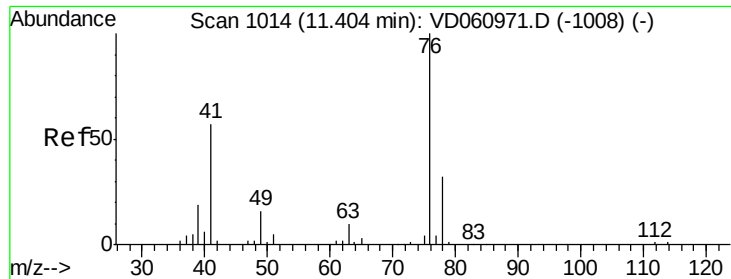
Tot Ion:	97	Resp:	251699
Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.6	100.0
85	54.9	46.4	69.6
99	65.2	52.4	78.6



#56
 Ethyl methacrylate
 Concen: 49.946 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Tgt Ion:	69	Resp:	256540
Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.5	83.3
39	36.7	26.2	39.2

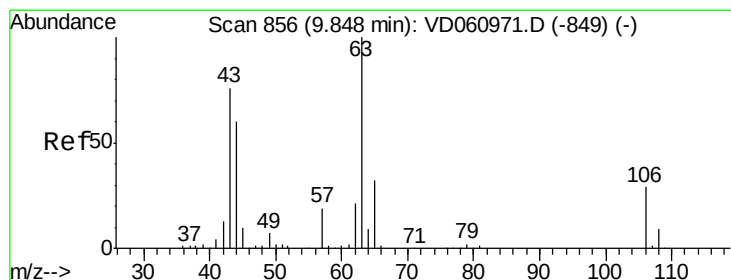
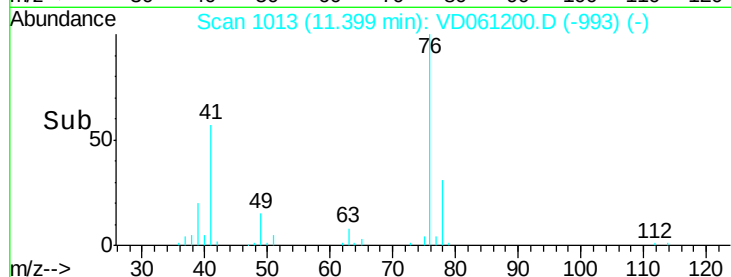
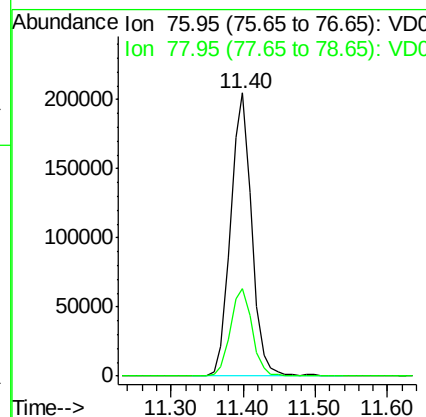
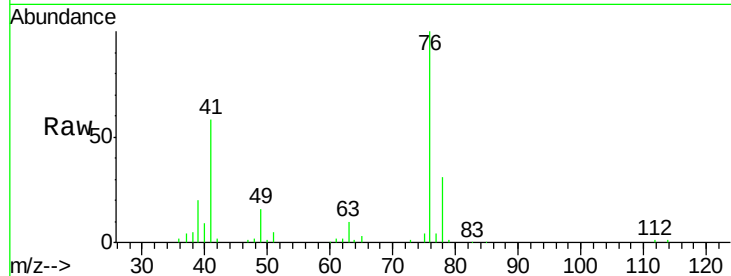




#57
 1,3-Dichloropropane
 Concen: 56.429 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

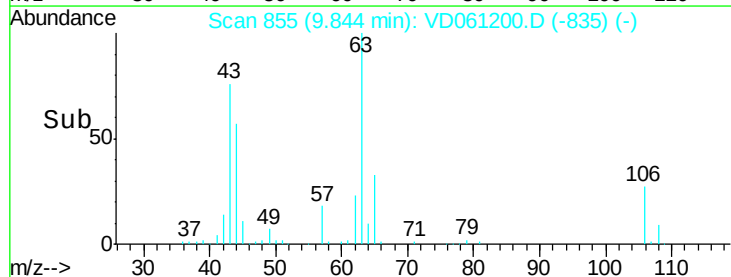
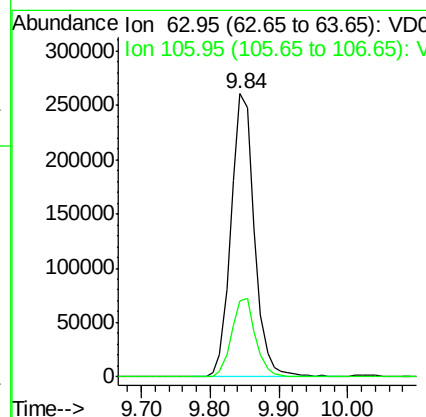
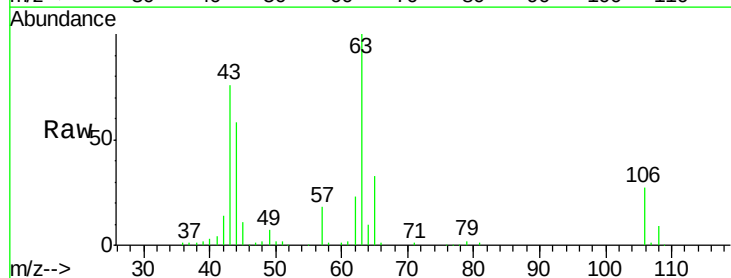
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

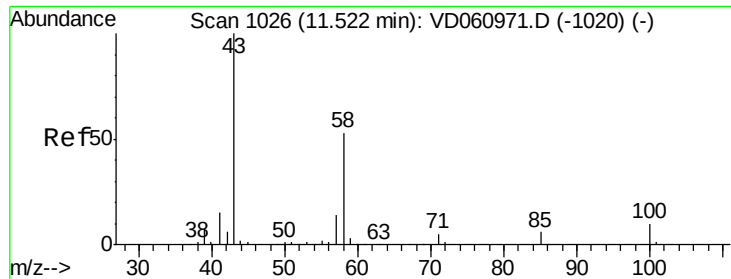
Tot Ion: 76 Resp: 413799
 Ion Ratio Lower Upper
 76 100
 78 30.9 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 225.273 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 63 Resp: 612467
 Ion Ratio Lower Upper
 63 100
 106 26.8 22.8 34.2

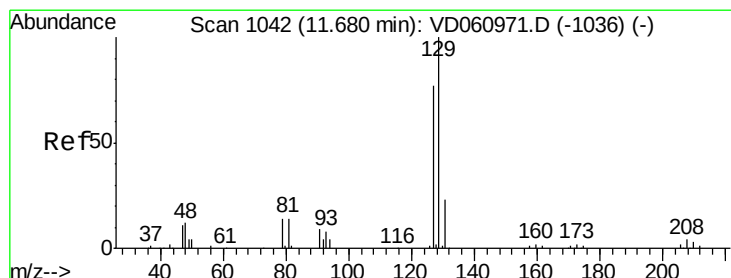
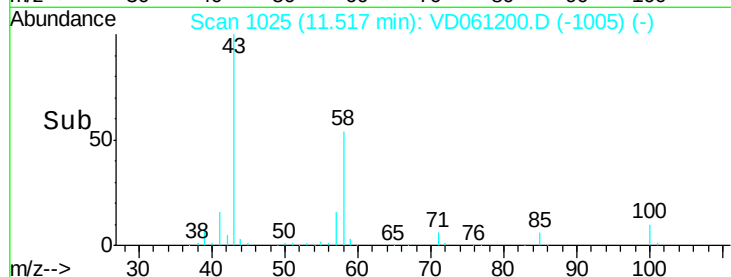
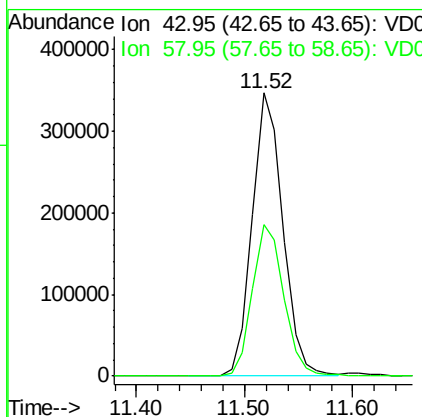
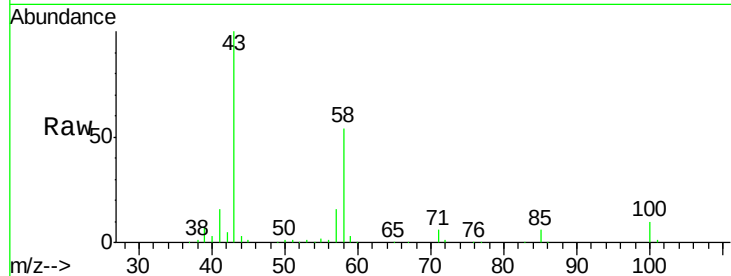




#59
2-Hexanone
Concen: 247.224 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

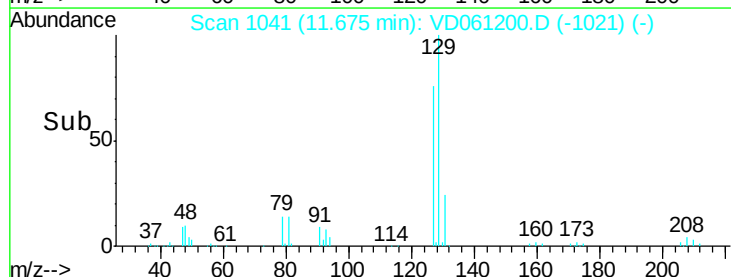
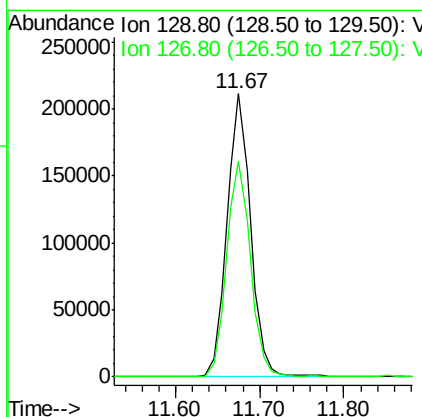
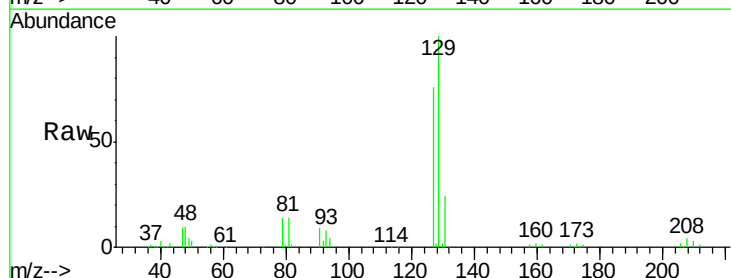
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

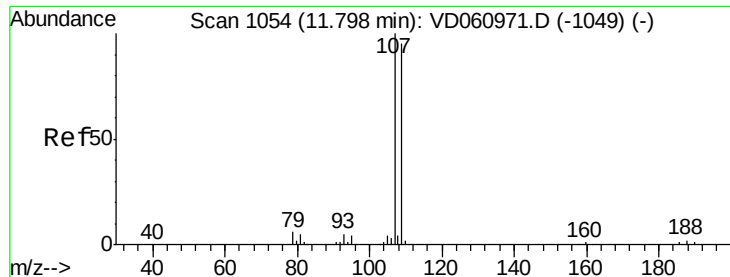
Tot Ion: 43 Resp: 682857
Ion Ratio Lower Upper
43 100
58 53.5 26.5 79.5



#60
Dibromochloromethane
Concen: 56.953 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Tgt Ion: 129 Resp: 411303
Ion Ratio Lower Upper
129 100
127 76.3 38.3 114.9

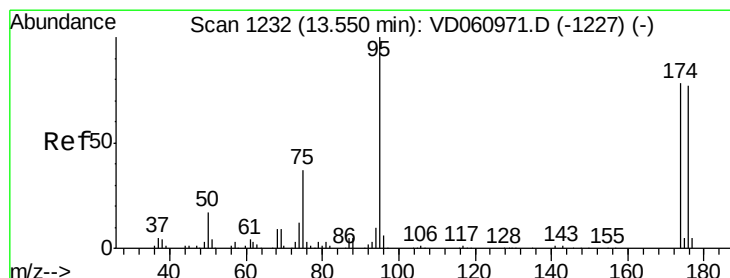
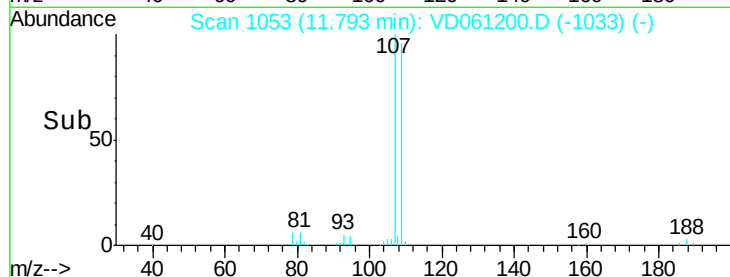
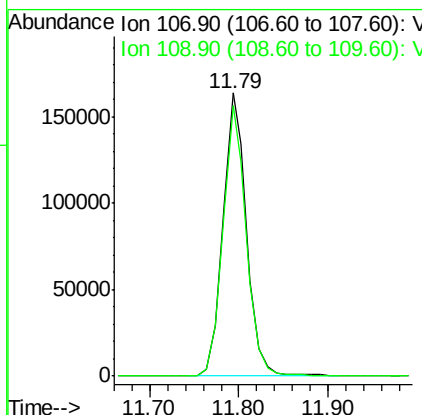
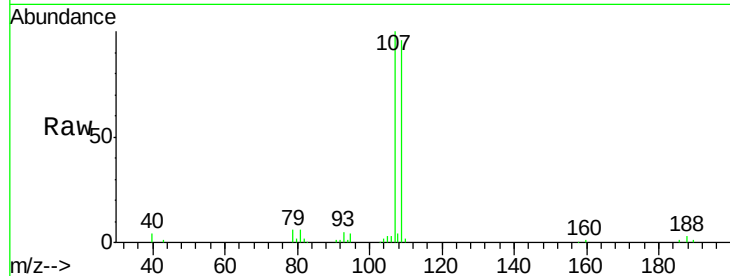




#61
 1,2-Dibromoethane
 Concen: 53.147 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

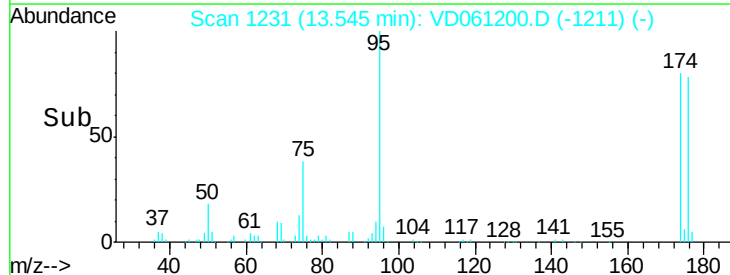
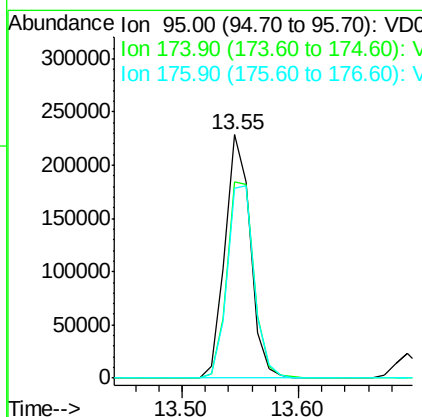
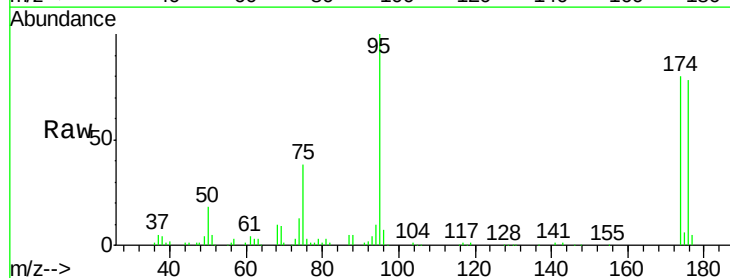
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

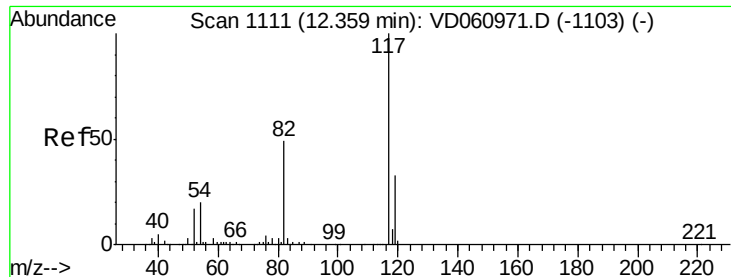
Tot Ion:107 Resp: 303385
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 53.147 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 95 Resp: 343272
 Ion Ratio Lower Upper
 95 100
 174 80.5 0.0 155.6
 176 78.0 0.0 153.8

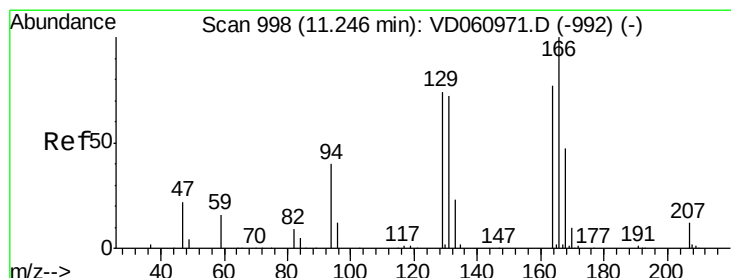
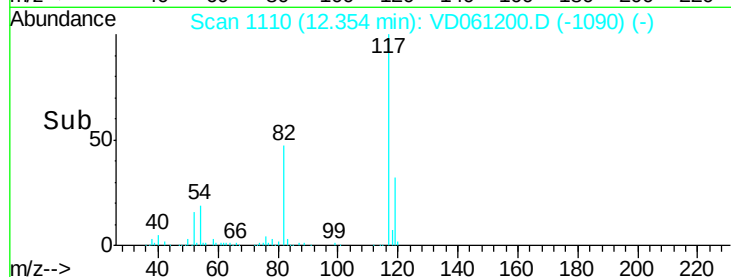
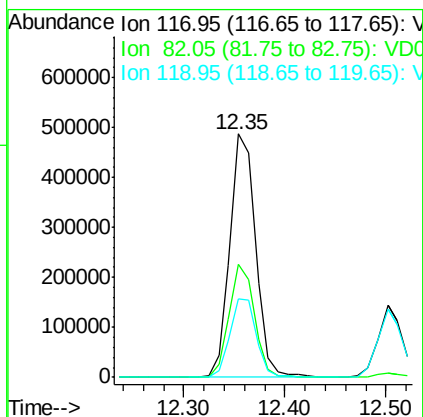
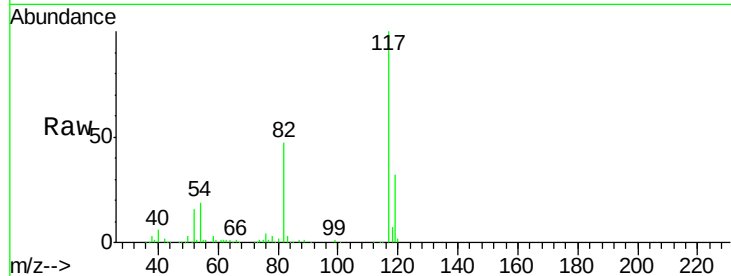




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

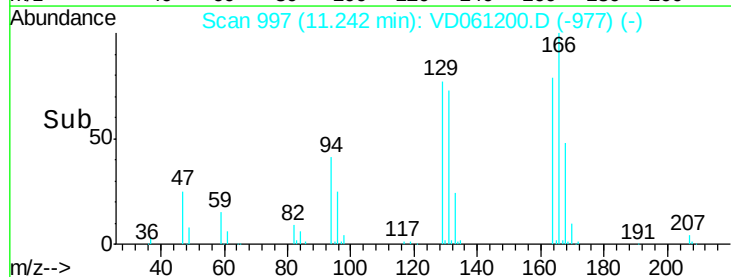
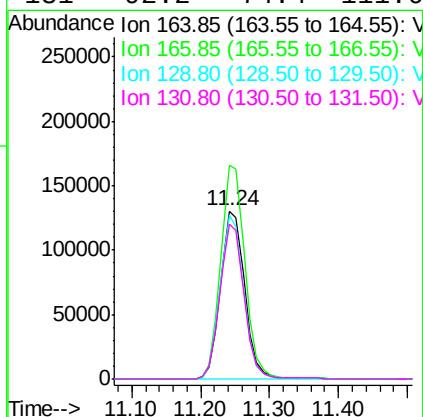
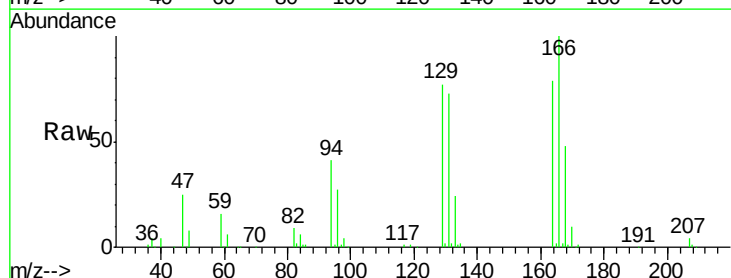
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

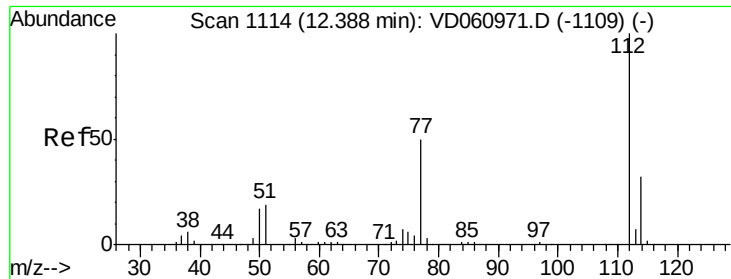
Tot Ion:117 Resp: 862775
Ion Ratio Lower Upper
117 100
82 46.6 38.9 58.3
119 32.4 26.6 39.8



#64
Tetrachloroethene
Concen: 54.577 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Tgt Ion:164 Resp: 317860
Ion Ratio Lower Upper
164 100
166 127.1 103.4 155.0
129 97.9 76.9 115.3
131 92.2 74.4 111.6

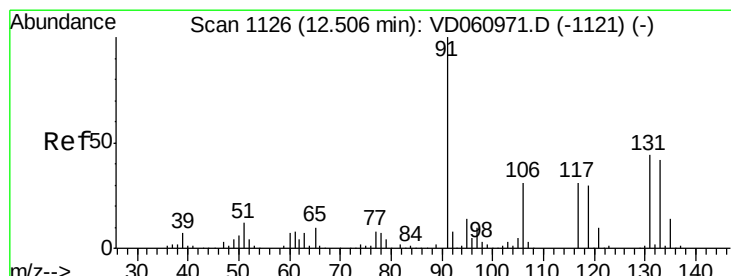
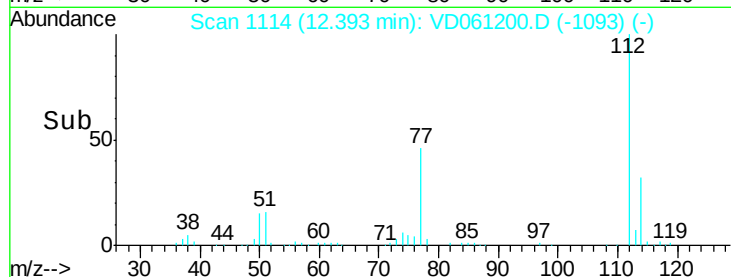
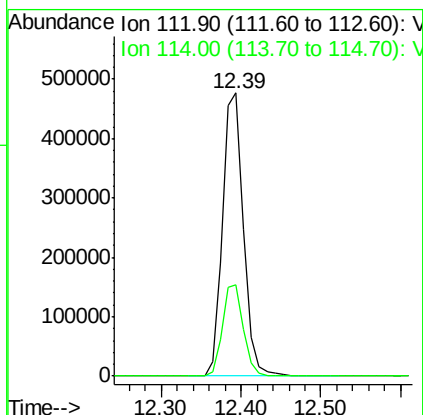
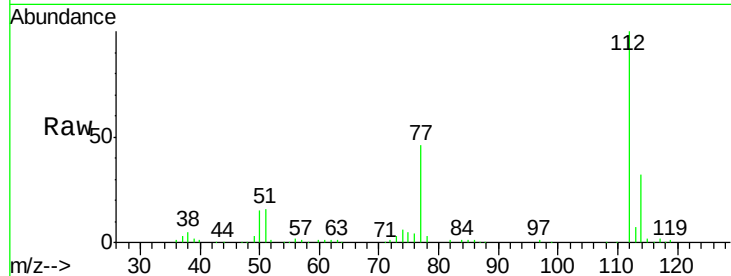




#65
Chlorobenzene
Concen: 52.207 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

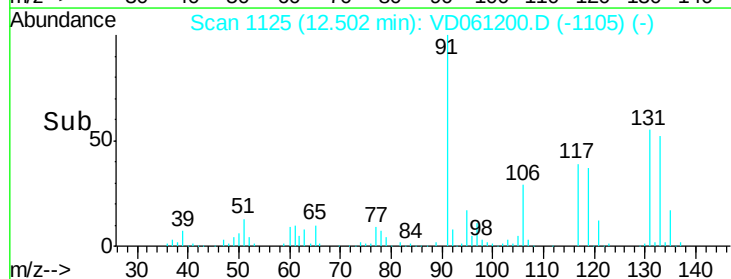
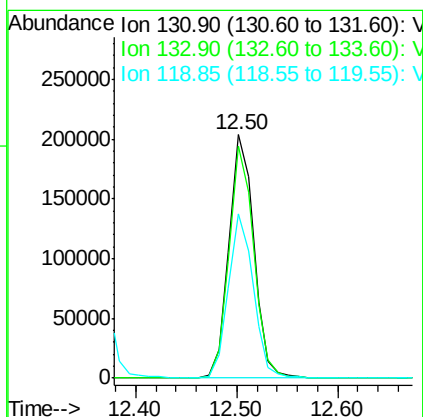
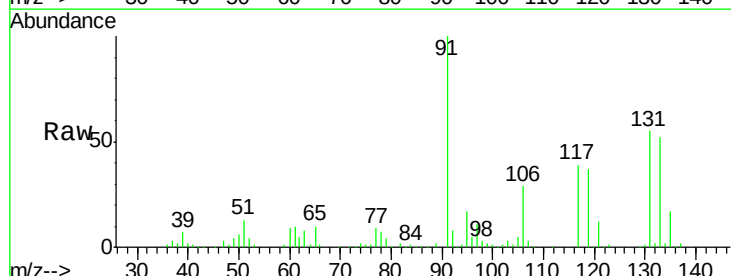
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

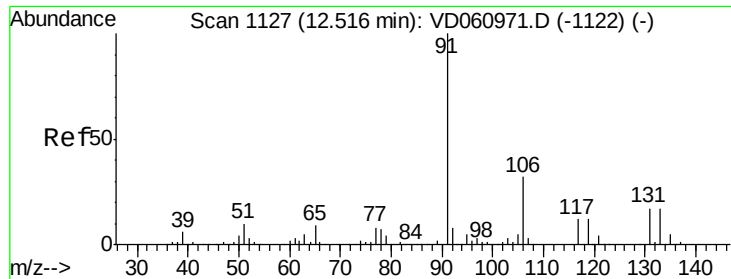
Tot Ion:112 Resp: 883039
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 57.953 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Tgt Ion:131 Resp: 349400
Ion Ratio Lower Upper
131 100
133 95.1 47.8 143.3
119 67.6 34.3 102.9

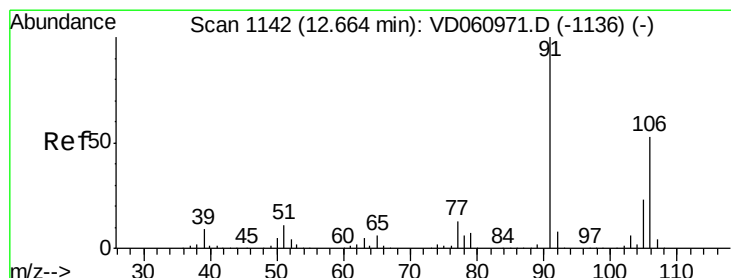
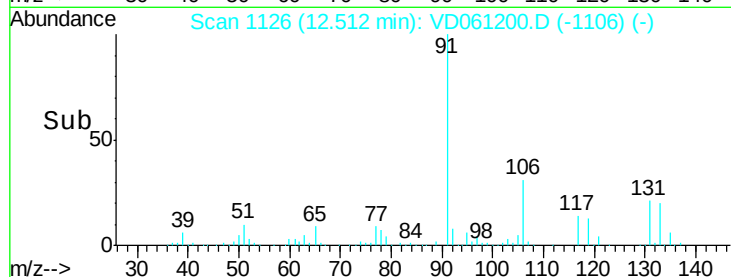
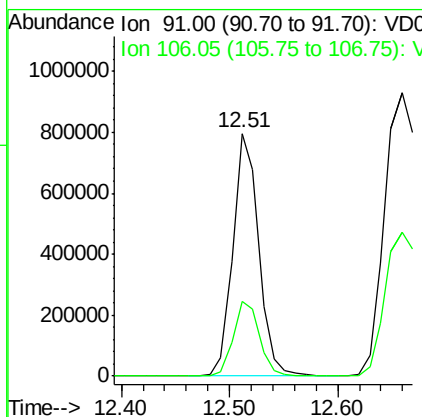
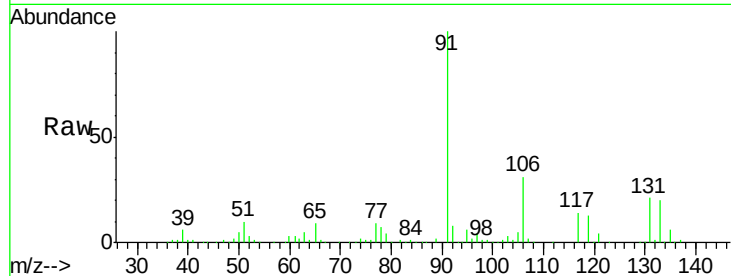




#67
Ethyl Benzene
Concen: 52.417 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

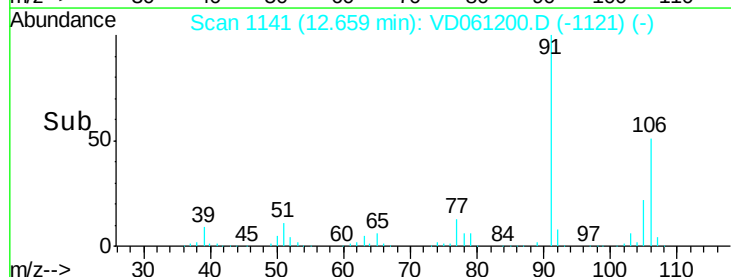
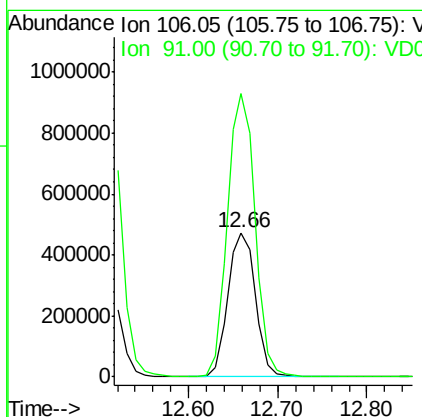
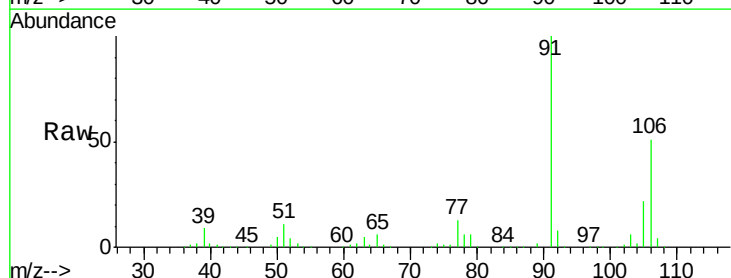
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

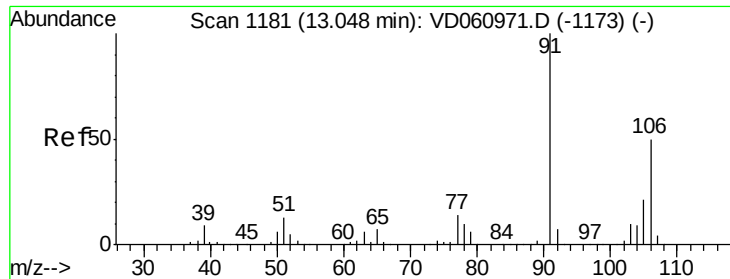
Tot Ion: 91 Resp: 1319910
Ion Ratio Lower Upper
91 100
106 31.0 25.7 38.5



#68
m/p-Xylenes
Concen: 104.443 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Tgt Ion: 106 Resp: 1032241
Ion Ratio Lower Upper
106 100
91 196.7 152.0 228.0

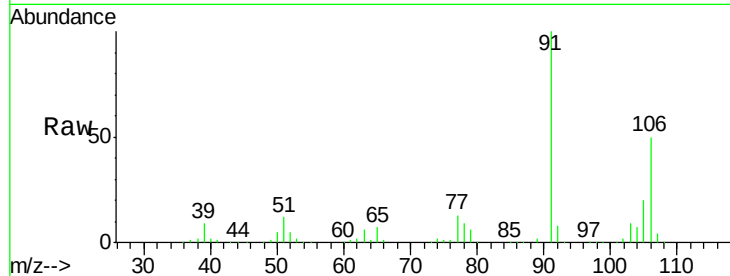




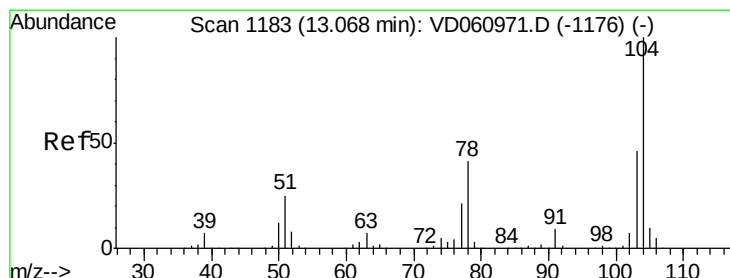
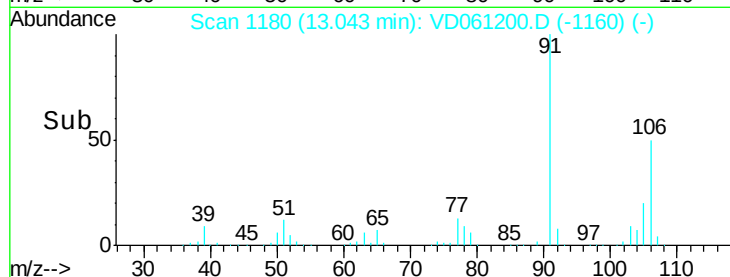
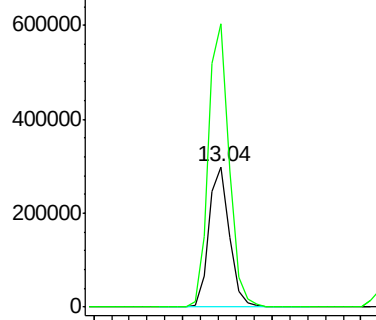
#69
o-Xylene
Concen: 49.744 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 483262
Ion Ratio Lower Upper
106 100
91 201.4 99.8 299.3

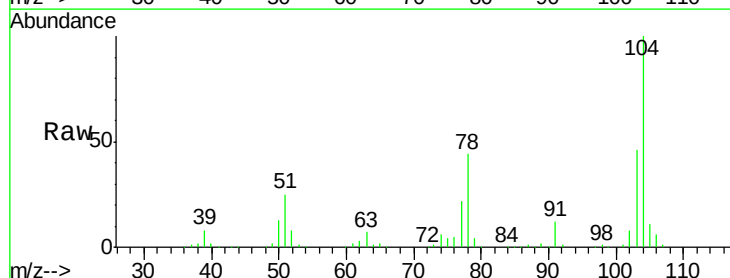


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

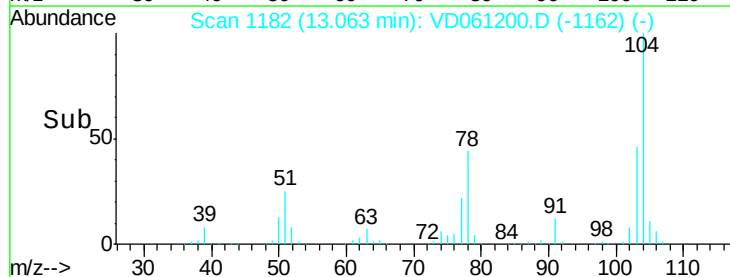
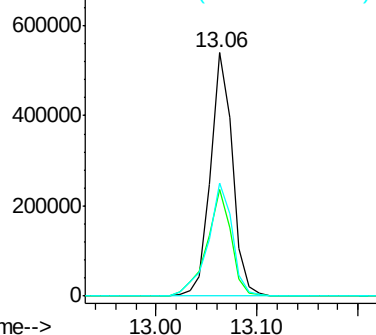


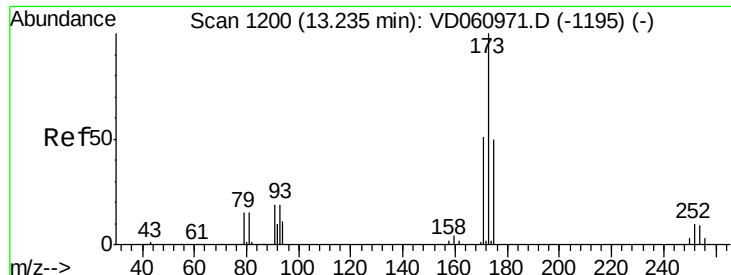
#70
Styrene
Concen: 51.306 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Tgt Ion:104 Resp: 813900
Ion Ratio Lower Upper
104 100
78 43.6 33.0 49.4
103 46.5 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

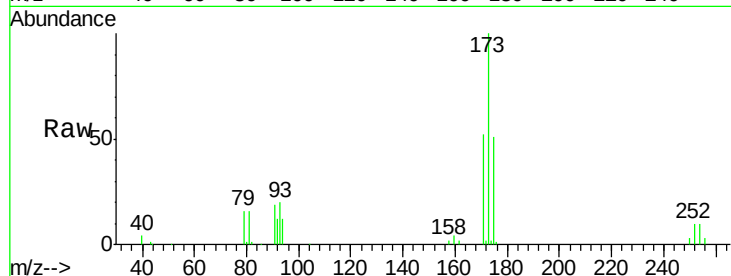




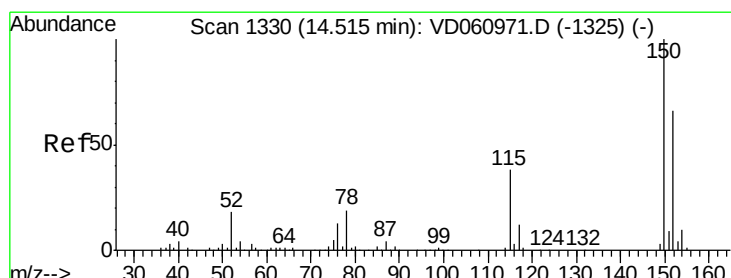
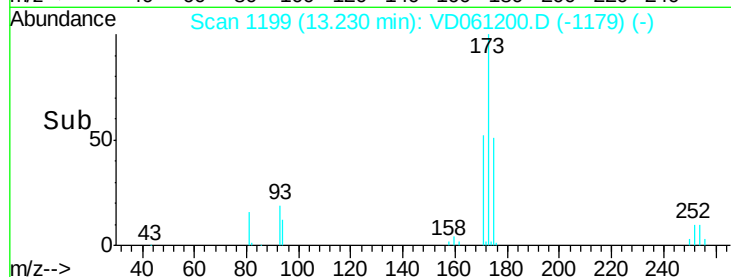
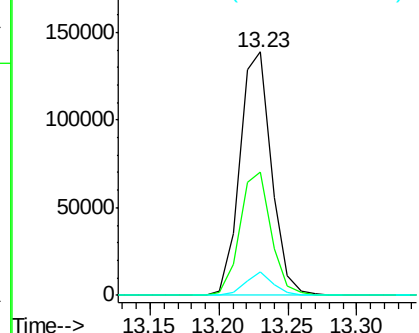
#71
Bromoform
Concen: 57.050 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 221888
Ion Ratio Lower Upper
173 100
175 50.7 24.9 74.8
254 9.7 7.3 10.9

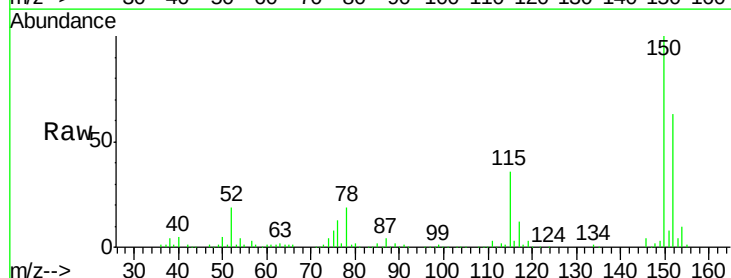


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

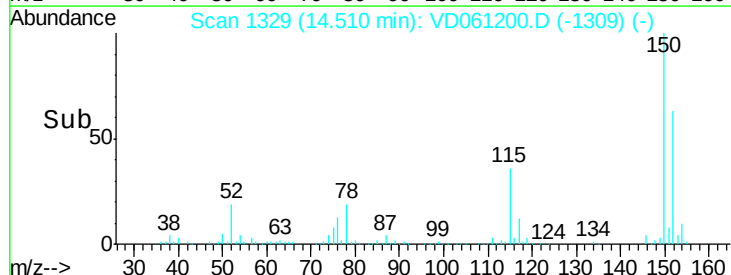
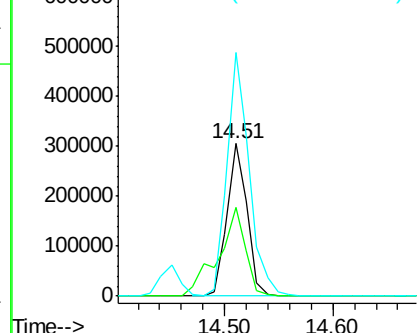


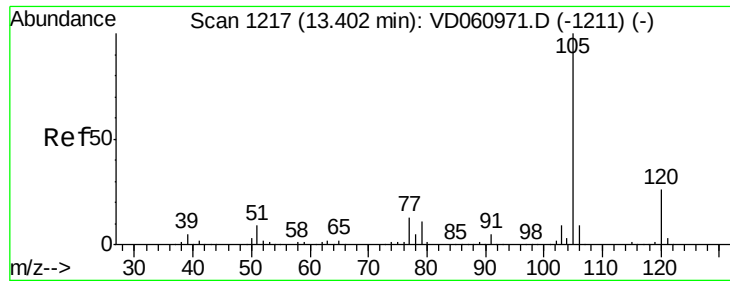
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Tgt Ion:152 Resp: 391596
Ion Ratio Lower Upper
152 100
115 58.2 28.6 85.9
150 159.7 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: 50.321 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

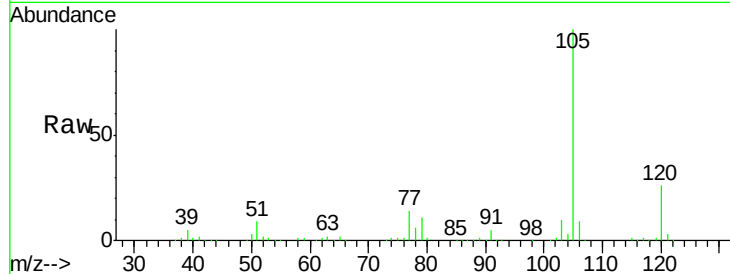
VSTDCCC050

Tot Ion:105 Resp: 1420140

Ion Ratio Lower Upper

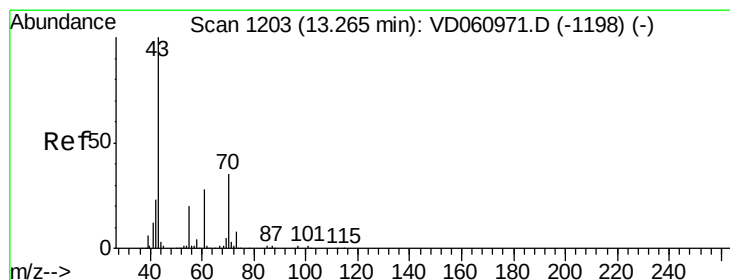
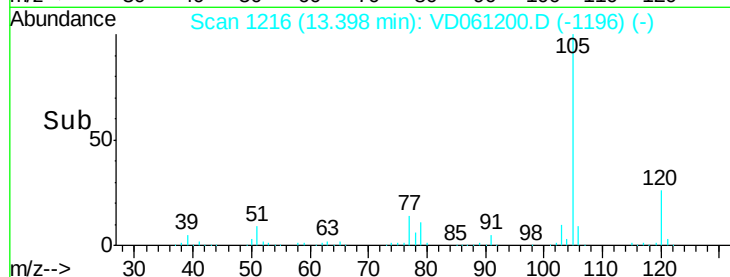
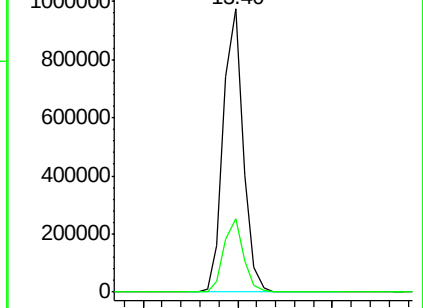
105 100

120 26.0 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: 47.470 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Tgt Ion: 43 Resp: 377221

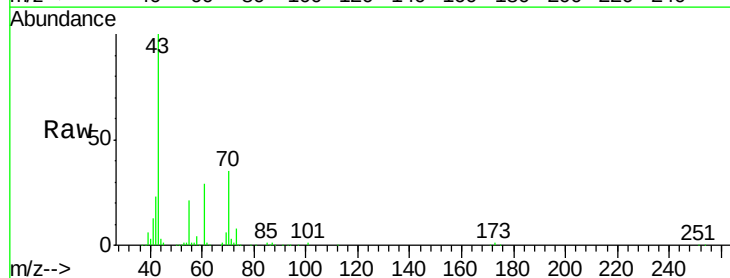
Ion Ratio Lower Upper

43 100

70 35.0 27.7 41.5

55 20.7 16.2 24.2

61 29.1 22.3 33.5

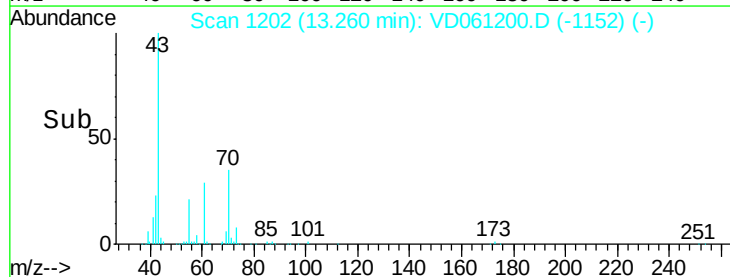
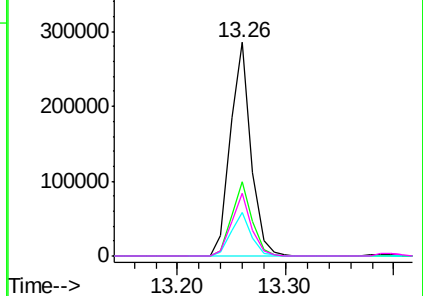


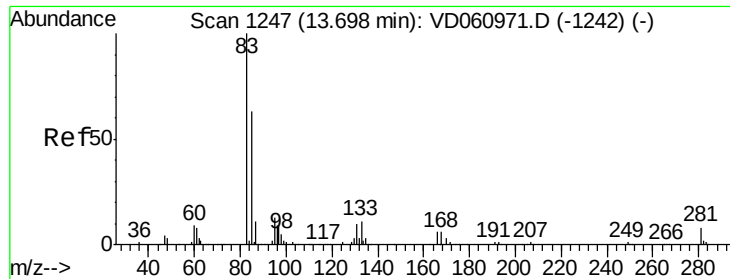
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 44.870 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

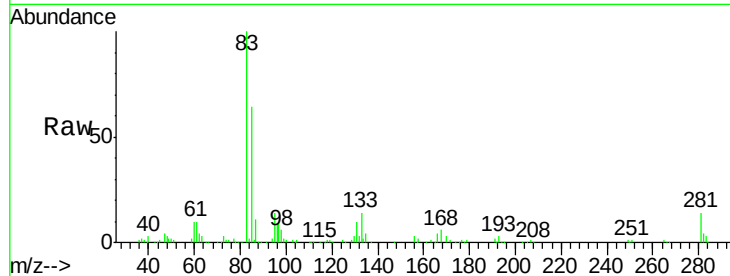
Tot Ion: 83 Resp: 247062

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

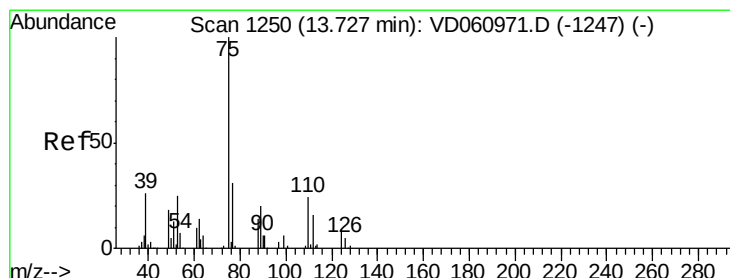
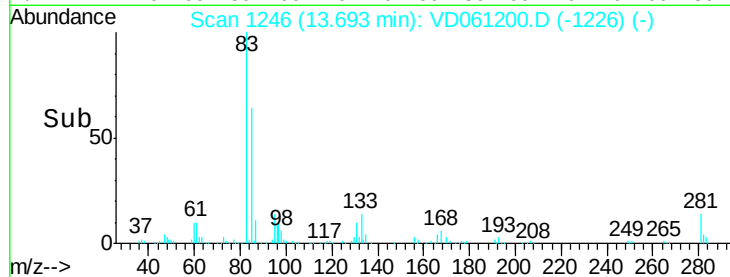
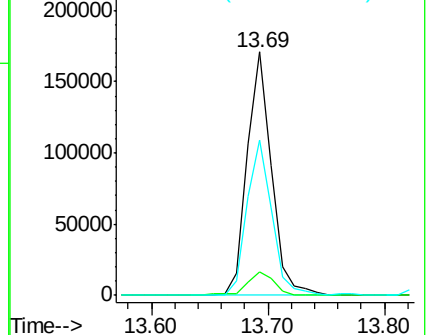
85 63.7 31.5 94.5



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: 48.812 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD061200.D

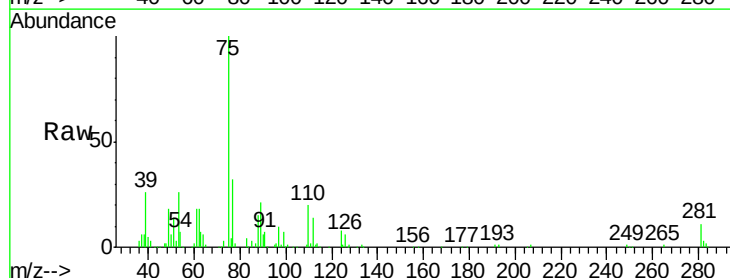
Acq: 20 Mar 2019 11:14

Tgt Ion: 75 Resp: 274997

Ion Ratio Lower Upper

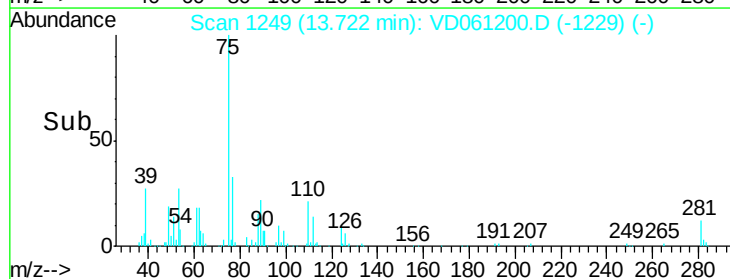
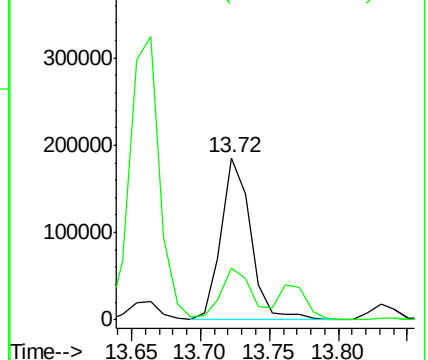
75 100

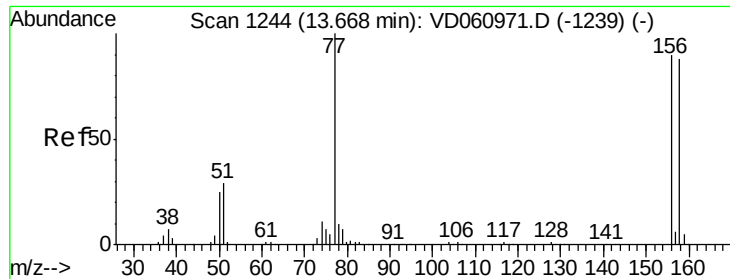
77 32.2 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.771 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

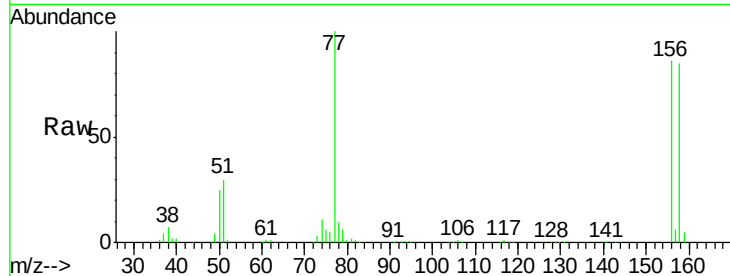
Tot Ion:156 Resp: 380167

Ion Ratio Lower Upper

156 100

77 116.6 55.5 166.7

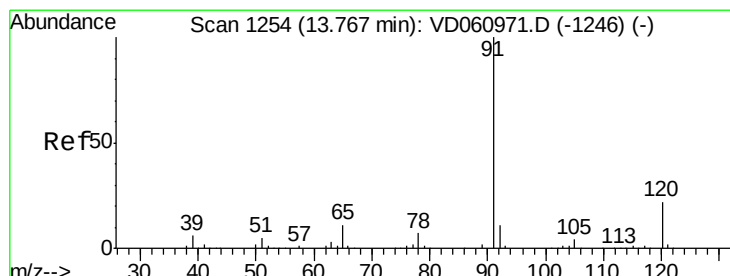
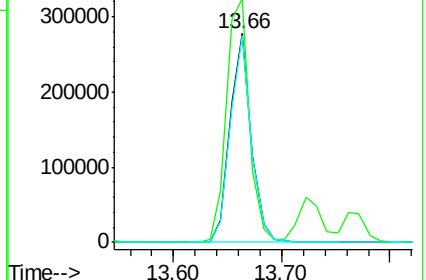
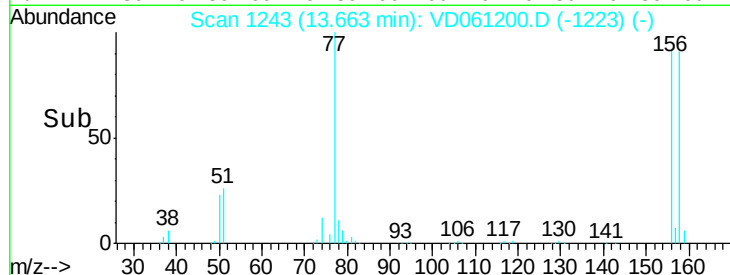
158 99.0 49.0 147.0



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: 48.375 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD061200.D

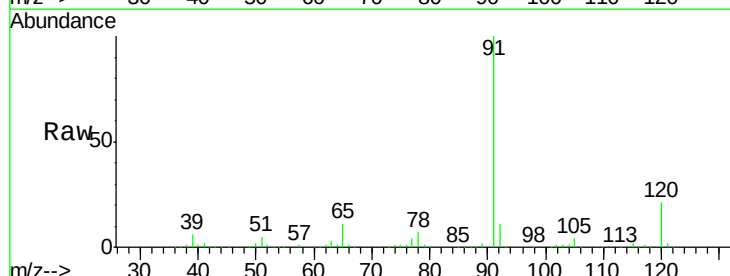
Acq: 20 Mar 2019 11:14

Tgt Ion: 91 Resp: 1598264

Ion Ratio Lower Upper

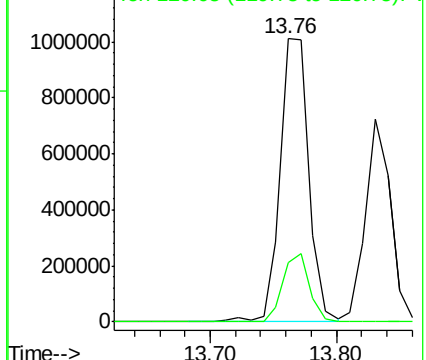
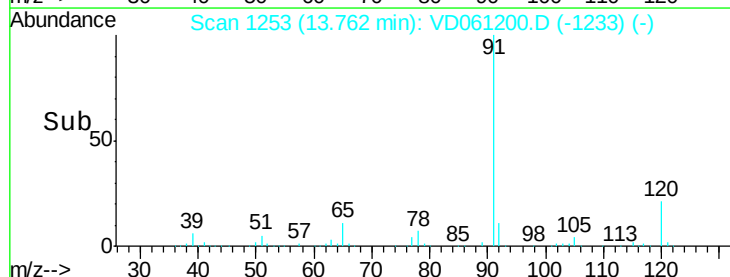
91 100

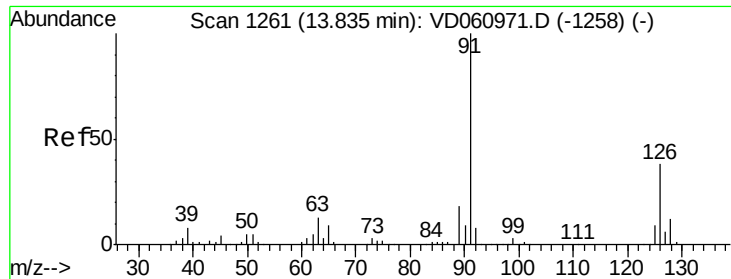
120 20.9 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 54.813 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

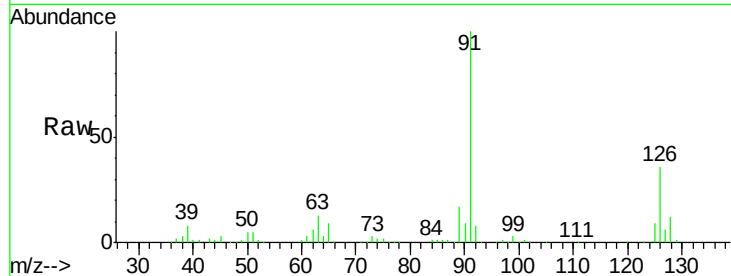
VSTDCCC050

Tot Ion: 91 Resp: 997009

Ion Ratio Lower Upper

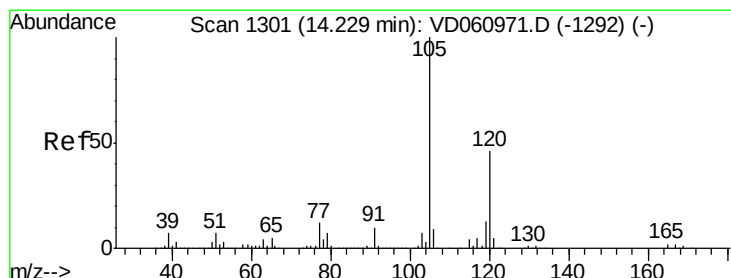
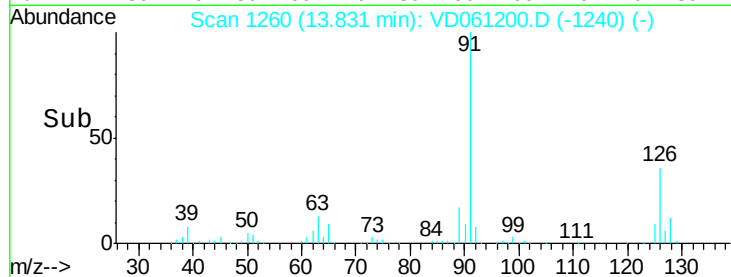
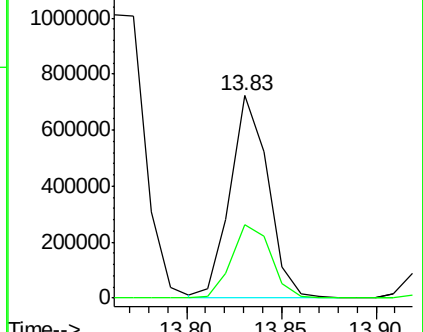
91 100

126 36.3 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: 52.464 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VD061200.D

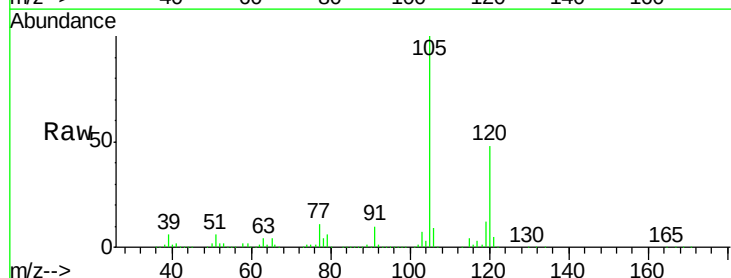
Acq: 20 Mar 2019 11:14

Tgt Ion:105 Resp: 1124025

Ion Ratio Lower Upper

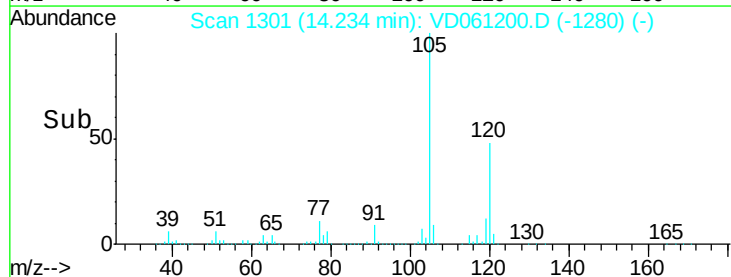
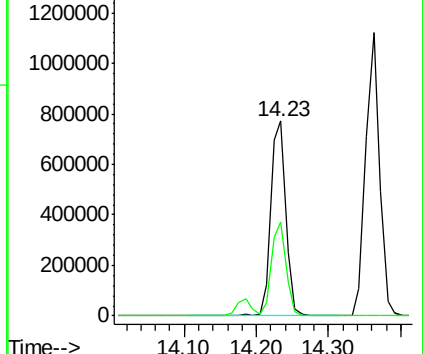
105 100

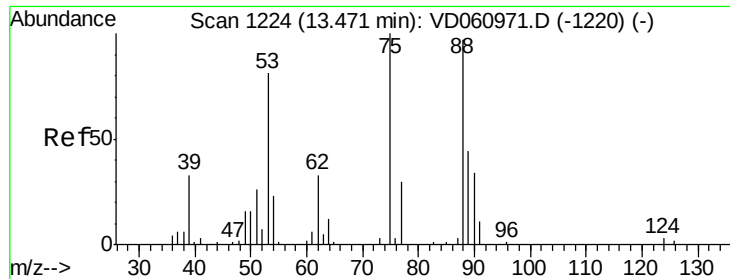
120 48.1 22.9 68.5



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: 54.008 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

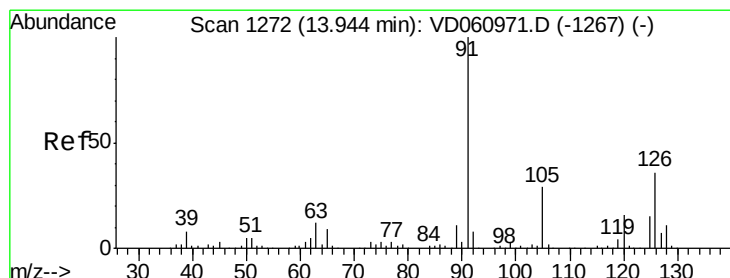
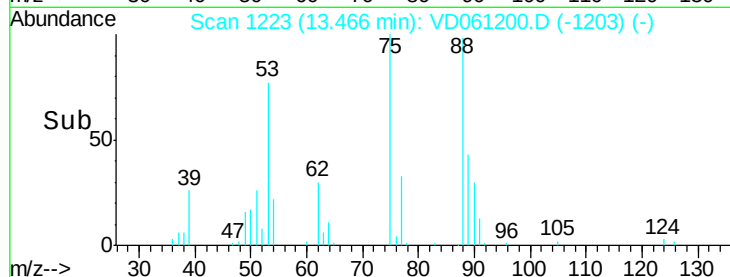
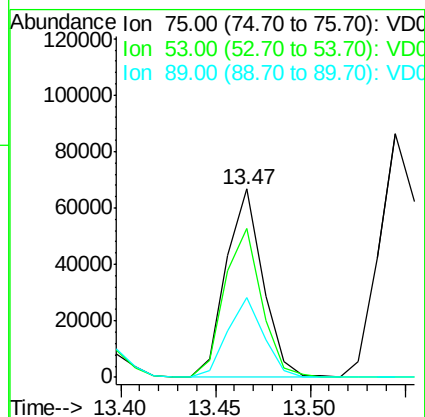
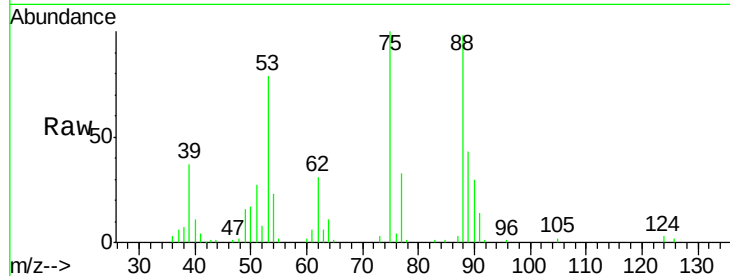
Tot Ion: 75 Resp: 89705

Ion Ratio Lower Upper

75 100

53 78.9 64.4 96.6

89 42.6 34.8 52.2



#82

4-Chlorotoluene

Concen: 46.720 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD061200.D

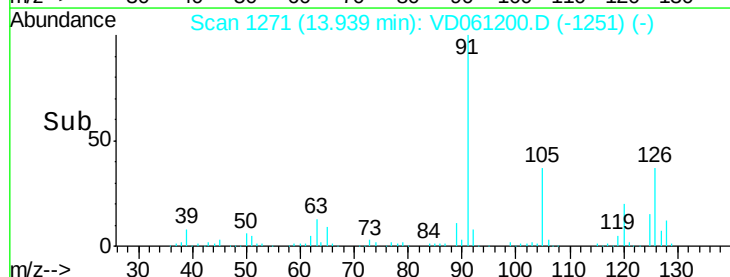
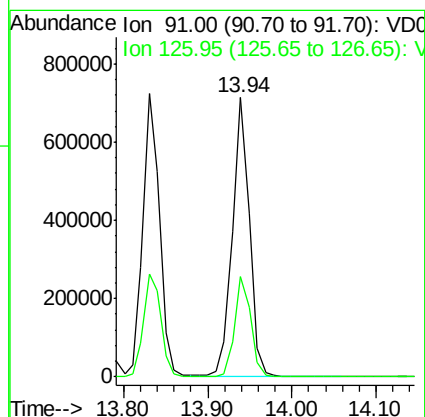
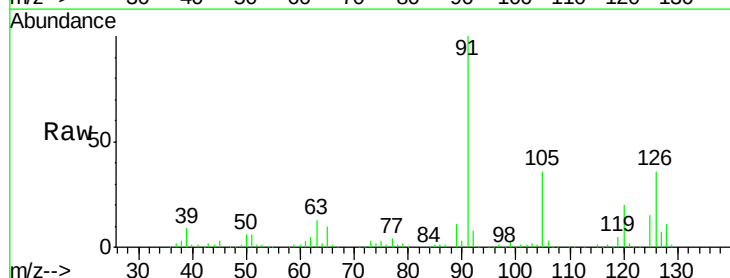
Acq: 20 Mar 2019 11:14

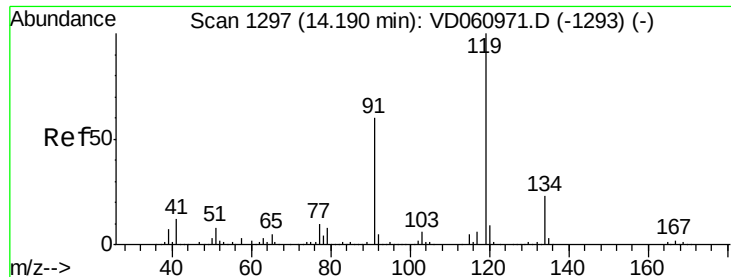
Tgt Ion: 91 Resp: 1004632

Ion Ratio Lower Upper

91 100

126 36.0 18.0 54.0

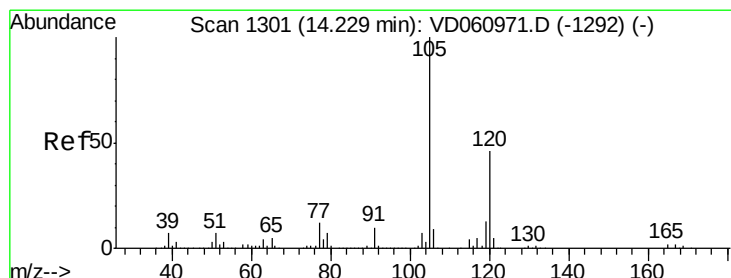
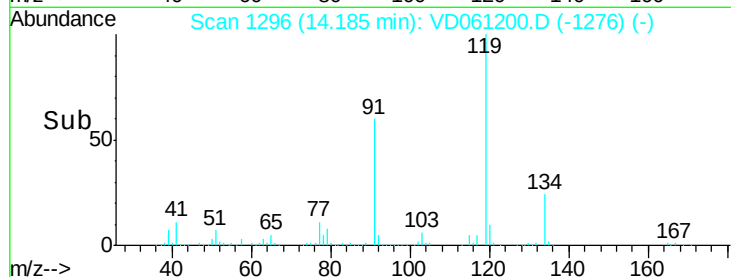
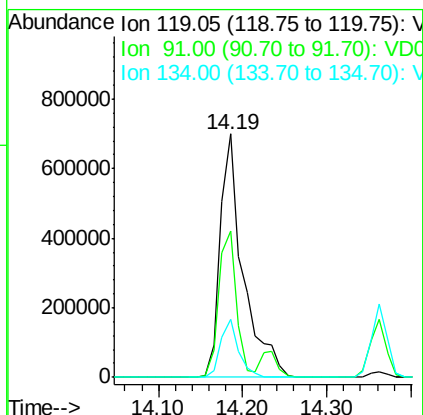
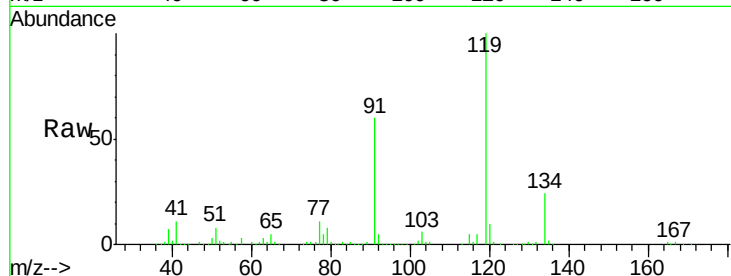




#83
tert-Butylbenzene
Concen: 56.670 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

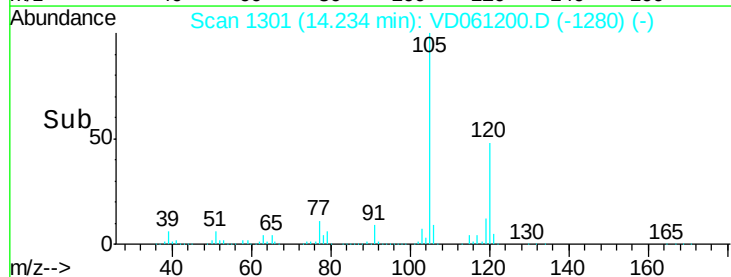
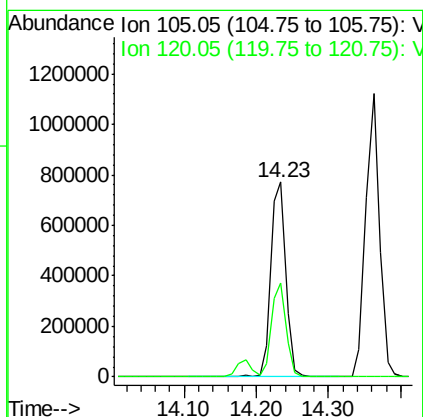
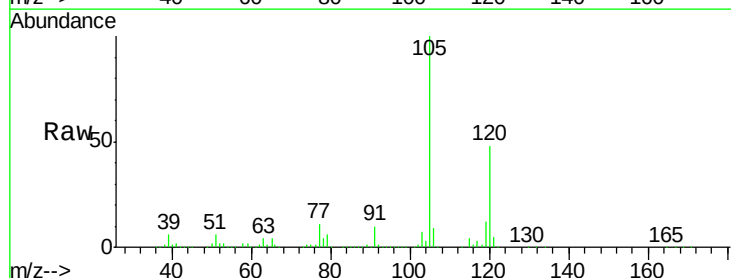
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

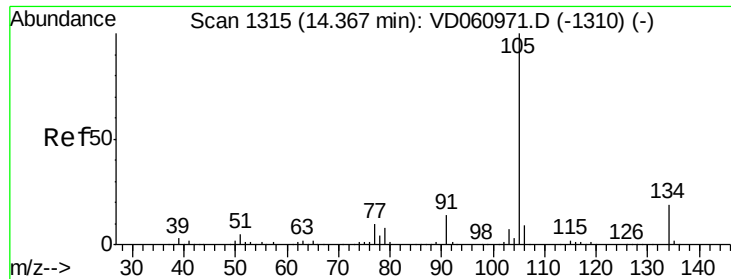
Tot Ion:119 Resp: 1328726
Ion Ratio Lower Upper
119 100
91 60.3 30.1 90.3
134 24.0 11.6 34.7



#84
1,2,4-Trimethylbenzene
Concen: 52.464 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Tgt Ion:105 Resp: 1124025
Ion Ratio Lower Upper
105 100
120 48.1 22.9 68.5





#85

sec-Butylbenzene

Concen: 51.732 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

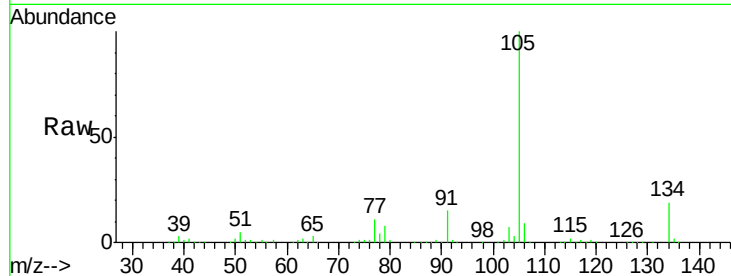
VSTDCCC050

Tot Ion:105 Resp: 1480791

Ion Ratio Lower Upper

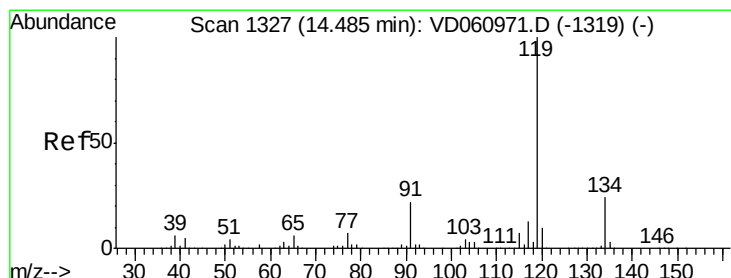
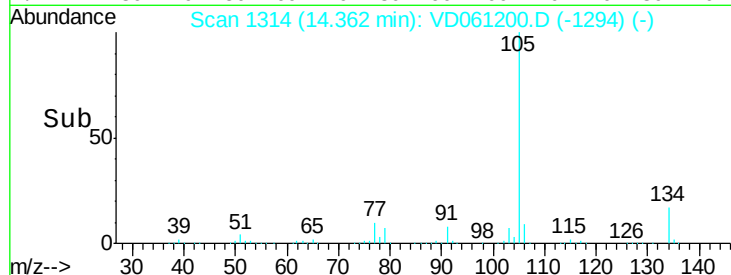
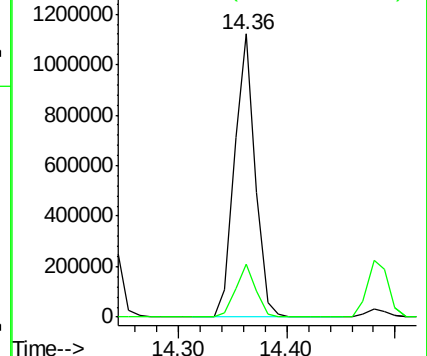
105 100

134 18.7 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 53.541 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

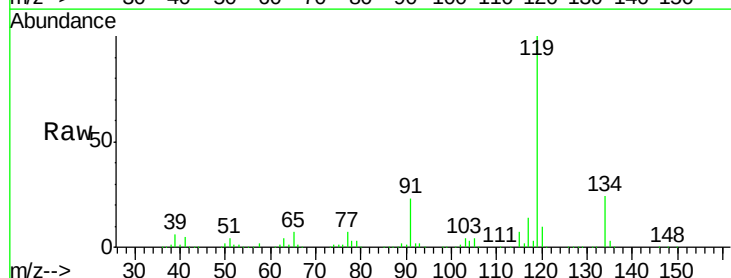
Tgt Ion:119 Resp: 1252723

Ion Ratio Lower Upper

119 100

134 24.0 12.0 36.1

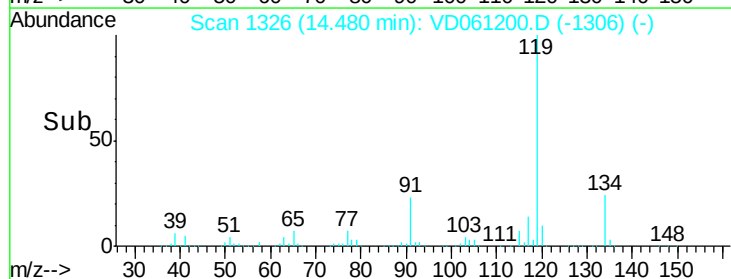
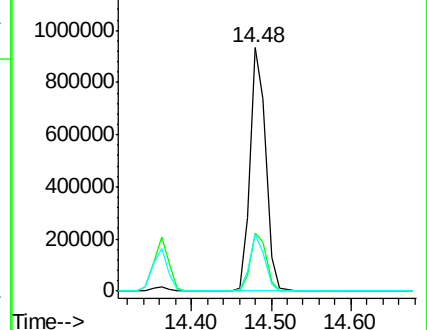
91 23.3 11.2 33.6

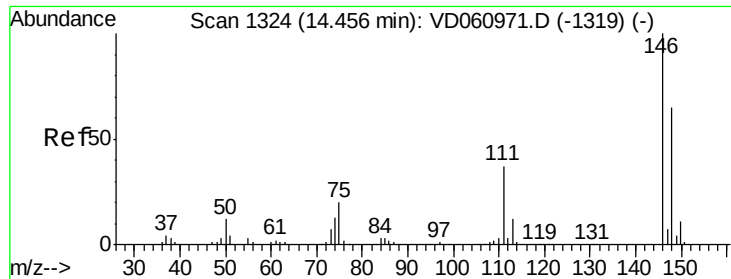


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

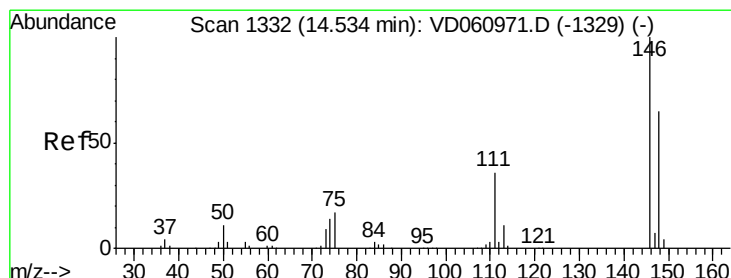
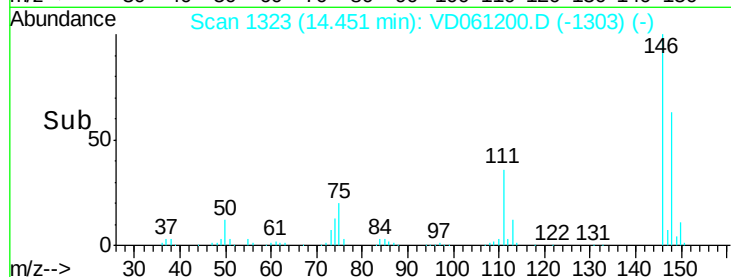
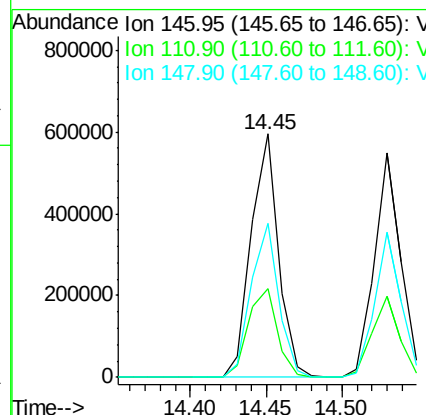
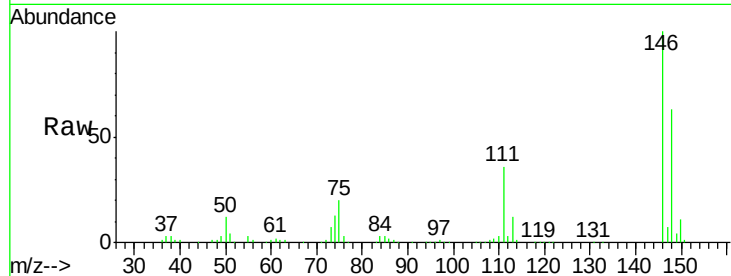




#87
 1,3-Dichlorobenzene
 Concen: 58.539 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

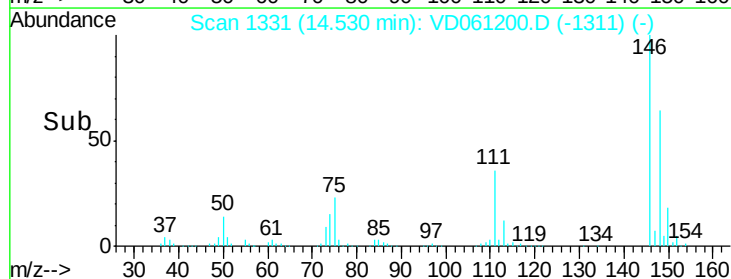
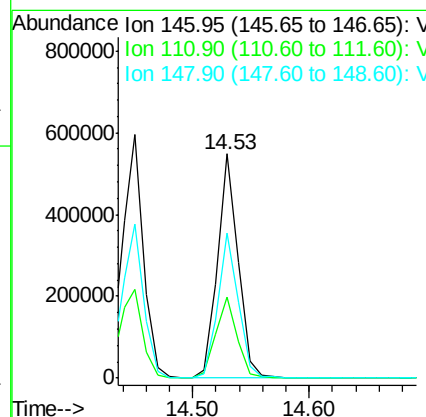
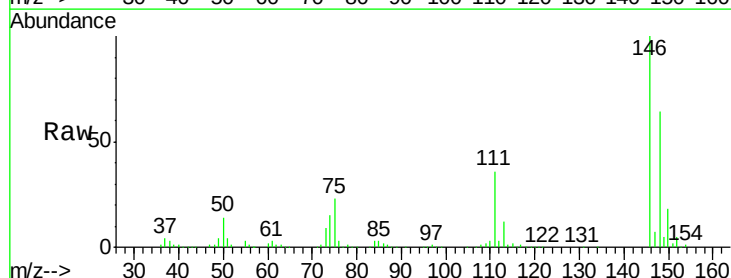
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

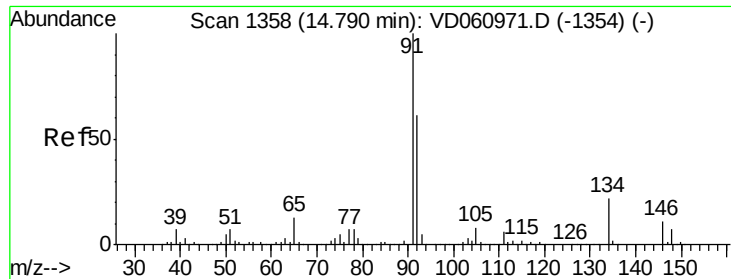
Tot Ion:146 Resp: 753049
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.4 55.4
 148 63.2 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 53.048 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Tgt Ion:146 Resp: 670595
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.4 55.2
 148 64.4 32.5 97.5





#89

n-Butylbenzene

Concen: 51.364 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD061200.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

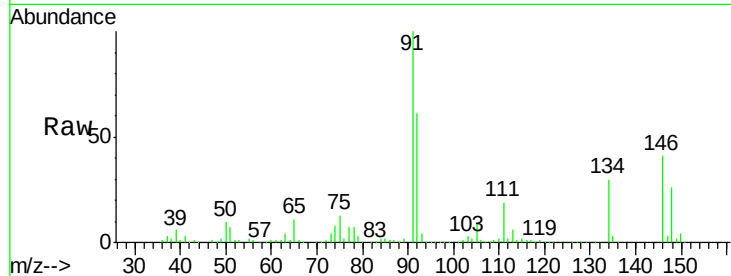
Tot Ion: 91 Resp: 1154090

Ion Ratio Lower Upper

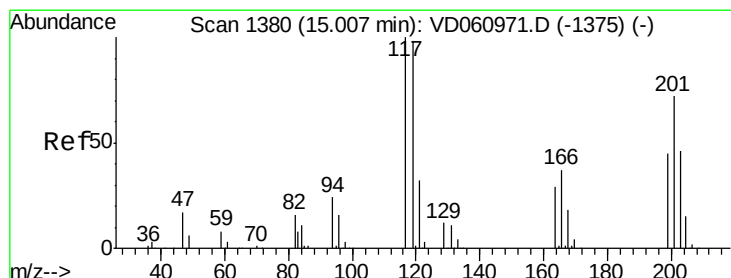
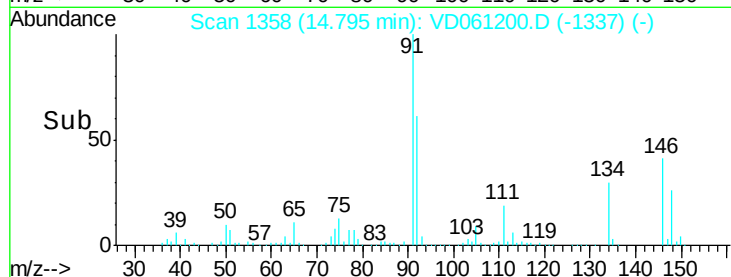
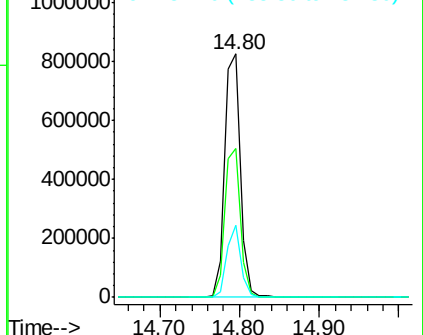
91 100

92 61.0 30.6 91.8

134 29.7 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 52.272 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD061200.D

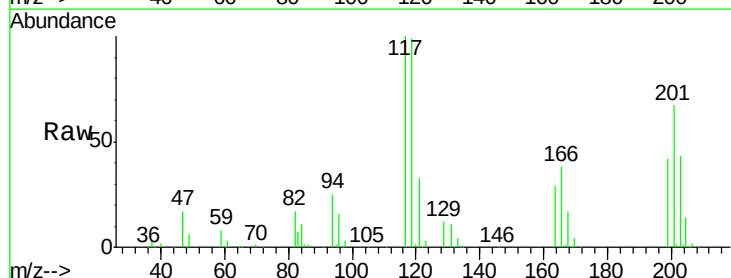
Acq: 20 Mar 2019 11:14

Tgt Ion: 117 Resp: 345350

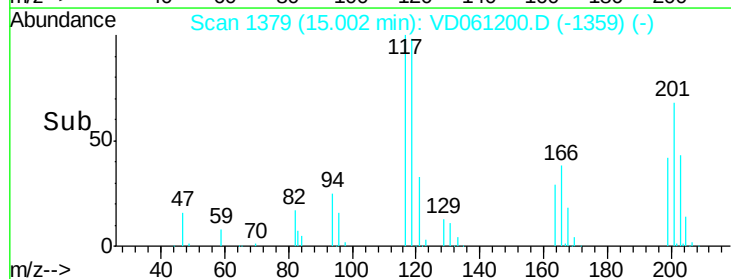
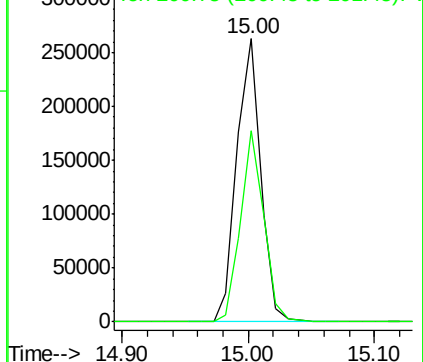
Ion Ratio Lower Upper

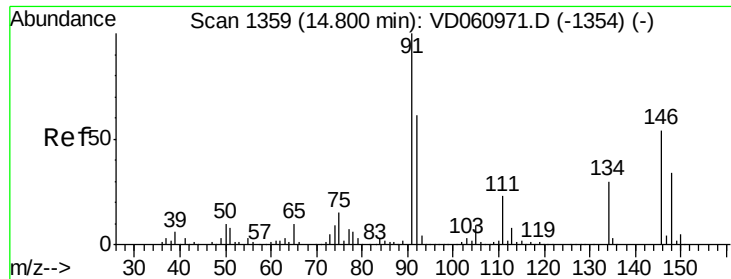
117 100

201 67.4 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

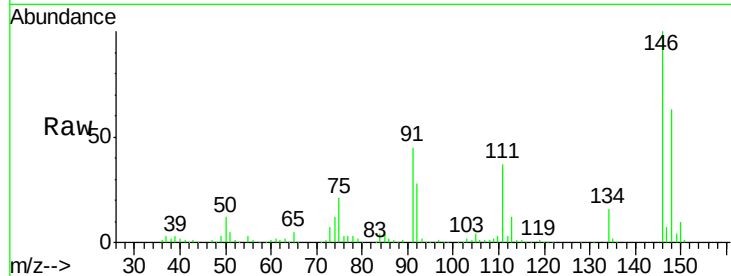




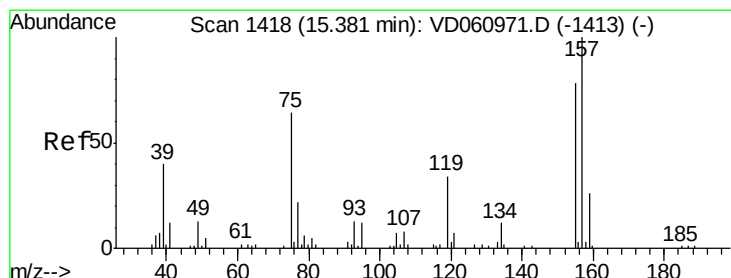
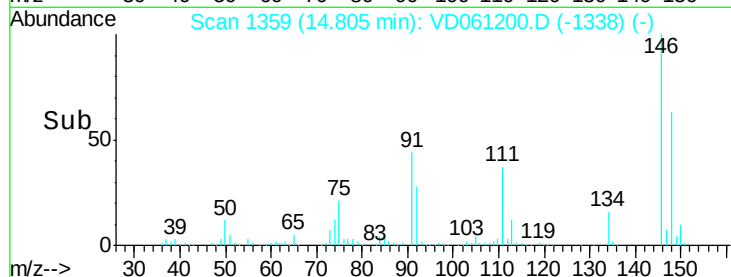
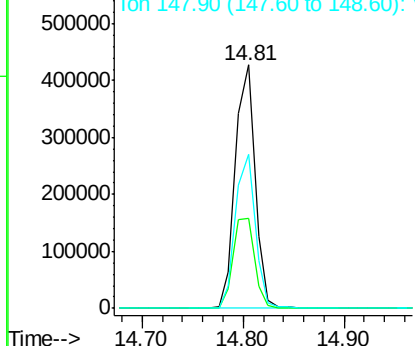
#91
 1,2-Dichlorobenzene
 Concen: 54.153 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 580748
 Ion Ratio Lower Upper
 146 100
 111 37.1 21.5 64.5
 148 63.1 30.9 92.8

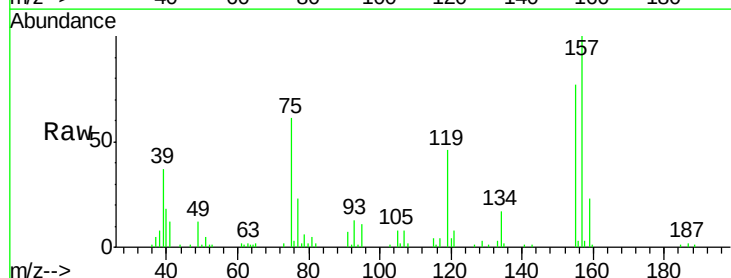


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

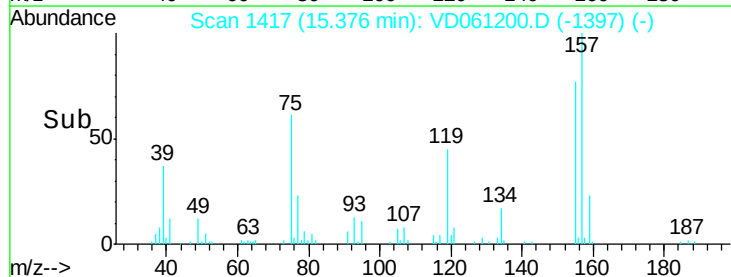
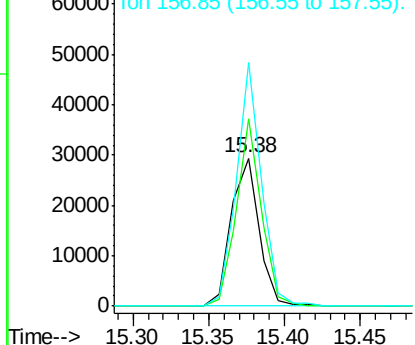


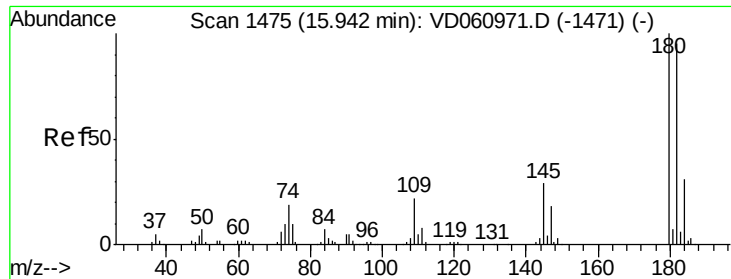
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.710 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 75 Resp: 37628
 Ion Ratio Lower Upper
 75 100
 155 126.7 61.2 183.5
 157 164.3 78.3 234.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

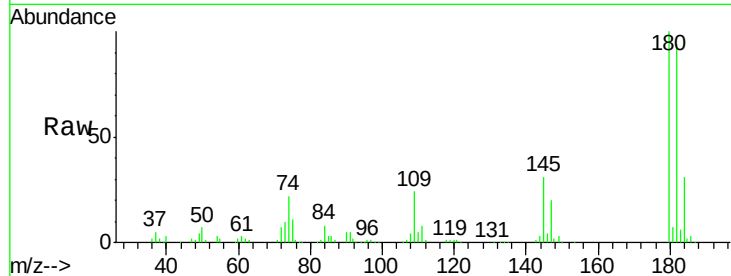




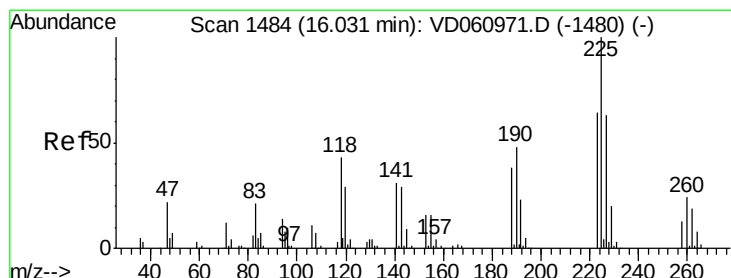
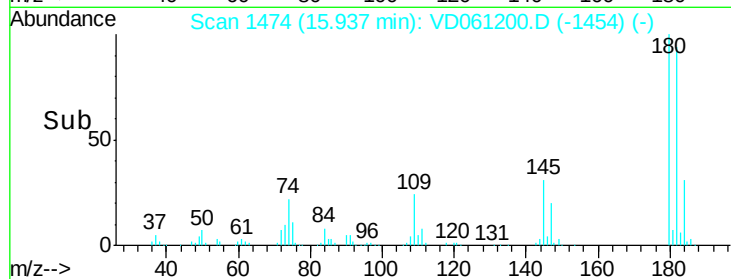
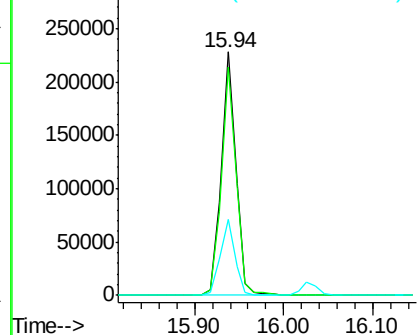
#93
 1,2,4-Trichlorobenzene
 Concen: 53.041 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.3	142.0
145	31.0	14.4	43.0

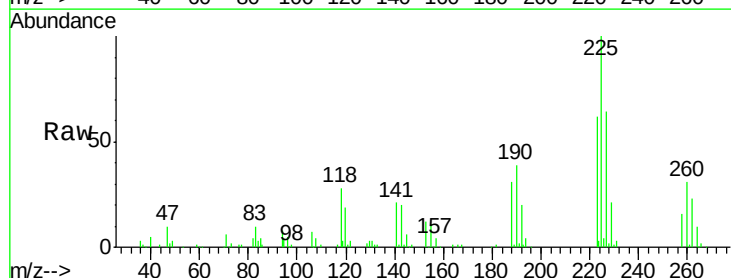


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

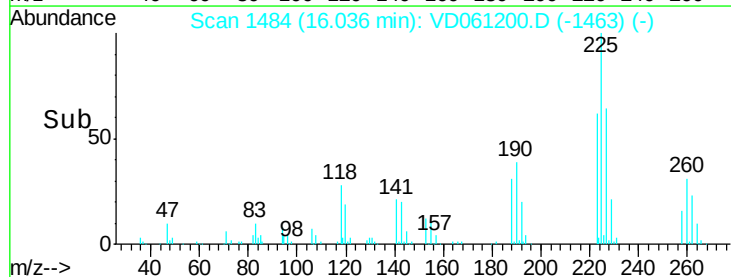
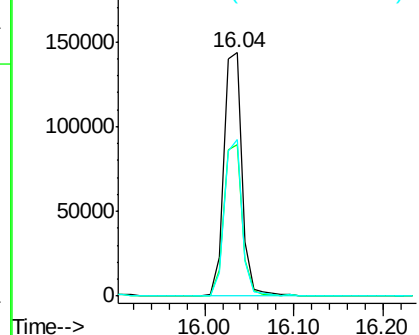


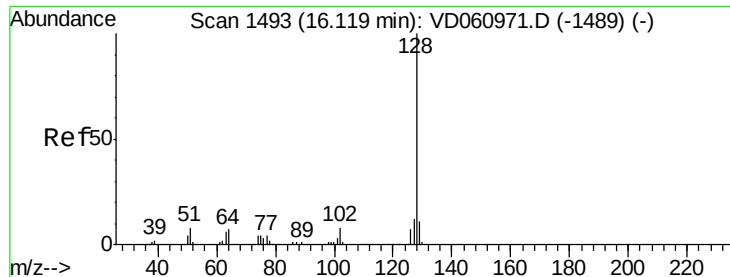
#94
 Hexachlorobutadiene
 Concen: 55.007 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061200.D
 Acq: 20 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.8	95.3
227	64.4	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

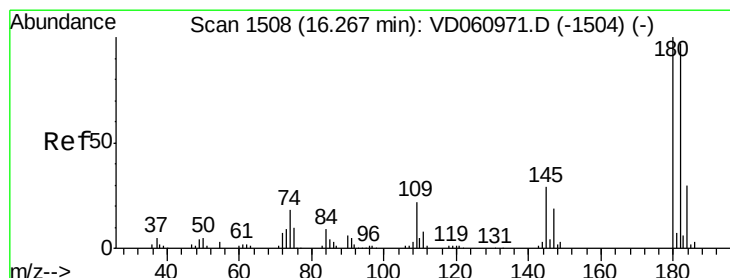
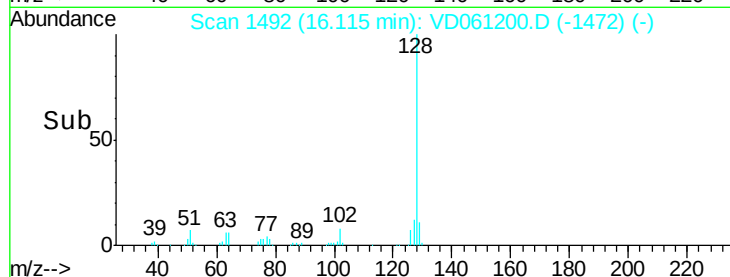
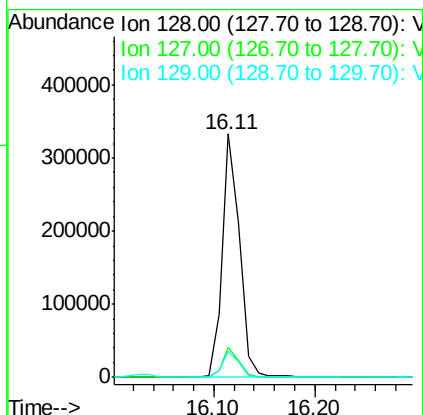
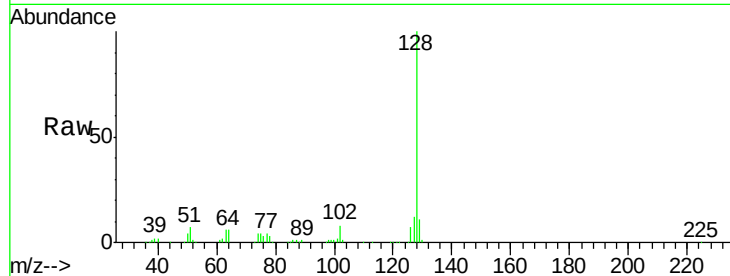




#95
Naphthalene
Concen: 53.000 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 400685
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.8
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 49.203 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD061200.D
Acq: 20 Mar 2019 11:14

Tgt Ion:180 Resp: 120898
Ion Ratio Lower Upper
180 100
182 100.0 48.6 145.8
145 36.5 14.3 42.9

