

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030619\
 Data File : VD060959.D
 Acq On : 6 Mar 2019 11:58
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 07 05:54:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	778362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1281718	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1039581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	451496	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	316442	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
35) Dibromofluoromethane	6.92	113	520133	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
50) Toluene-d8	10.41	98	1296145	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	13.56	95	452203	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	400568	46.445	ug/l	99
3) Chloromethane	1.77	50	302200	42.224	ug/l	100
4) Vinyl Chloride	1.86	62	271241	41.948	ug/l	97
5) Bromomethane	2.16	94	53194	46.574	ug/l	92
6) Chloroethane	2.28	64	85298	54.754	ug/l	99
7) Trichlorofluoromethane	2.53	101	358144	46.146	ug/l	99
8) Diethyl Ether	2.88	74	146725	42.861	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.16	101	502457	47.730	ug/l	100
10) Methyl Iodide	3.31	142	663393	44.362	ug/l	97
11) Tert butyl alcohol	4.07	59	110472	230.351	ug/l	96
12) 1,1-Dichloroethene	3.13	96	424844	47.578	ug/l	97
13) Acrolein	3.05	56	136405	205.389	ug/l	98
14) Allyl chloride	3.63	41	621466	42.669	ug/l	97
15) Acrylonitrile	4.20	53	384597	209.442	ug/l	97
16) Acetone	3.22	43	538516	250.653	ug/l	97
17) Carbon Disulfide	3.38	76	1411403	44.590	ug/l	100
18) Methyl Acetate	3.65	43	175155	39.816	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	652106	41.519	ug/l	98
20) Methylene Chloride	3.82	84	458038	44.518	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	424676	43.686	ug/l	95
22) Diisopropyl ether	5.12	45	1367956	44.233	ug/l	96
23) Vinyl Acetate	5.06	43	3560474	219.232	ug/l	99
24) 1,1-Dichloroethane	4.99	63	749830	45.461	ug/l	98
25) 2-Butanone	6.08	43	578237	216.961	ug/l	99
26) 2,2-Dichloropropane	6.03	77	581725	47.477	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	480171	43.564	ug/l	99
28) Bromochloromethane	6.44	49	320476	46.258	ug/l #	95
29) Tetrahydrofuran	6.46	42	284730	207.552	ug/l	99
30) Chloroform	6.67	83	760294	47.527	ug/l	99
31) Cyclohexane	6.96	56	673563	47.415	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	641580	46.837	ug/l	99
36) 1,1-Dichloropropene	7.15	75	568971	48.281	ug/l	100
37) Ethyl Acetate	6.19	43	259363	42.813	ug/l	98
38) Carbon Tetrachloride	7.12	117	686249	54.203	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	582789	45.242	ug/l	96
40) Benzene	7.46	78	1455577	48.500	ug/l	99
41) Methacrylonitrile	6.44	41	173243m	45.776	ug/l	
42) 1,2-Dichloroethane	7.57	62	406754	48.169	ug/l	98
43) Isopropyl Acetate	9.24	43	354516	41.972	ug/l #	99
44) Trichloroethene	8.54	130	535466	52.098	ug/l	99
45) 1,2-Dichloropropane	8.94	63	408695	51.438	ug/l	96
46) Dibromomethane	9.06	93	257945	50.332	ug/l	97
47) Bromodichloromethane	9.38	83	544412	48.699	ug/l	100
48) Methyl methacrylate	9.12	41	226527	47.736	ug/l	99
49) 1,4-Dioxane	9.08	88	48534	976.958	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	1189100	231.230	ug/l	99
52) Toluene	10.51	92	940575	48.781	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	508012	49.382	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	599450	46.993	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	290939	45.628	ug/l	99
56) Ethyl methacrylate	11.04	69	307432	45.480	ug/l	97
57) 1,3-Dichloropropane	11.41	76	461546	49.786	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	817395	226.415	ug/l	99
59) 2-Hexanone	11.53	43	831140	230.560	ug/l	99
60) Dibromochloromethane	11.69	129	435488	47.355	ug/l	100
61) 1,2-Dibromoethane	11.81	107	370712	49.488	ug/l	98
64) Tetrachloroethene	11.26	164	386627	48.584	ug/l	98
65) Chlorobenzene	12.40	112	1152863	49.810	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	389100	46.848	ug/l	98
67) Ethyl Benzene	12.53	91	1595290	47.337	ug/l	99
68) m/p-Xylenes	12.67	106	1326585	98.525	ug/l	98
69) o-Xylene	13.05	106	644098	50.925	ug/l	99
70) Styrene	13.08	104	1036186	49.104	ug/l	99
71) Bromoform	13.23	173	259309	49.327	ug/l	98
73) Isopropylbenzene	13.40	105	1782158	51.089	ug/l	99
74) N-amyl acetate	13.26	43	472842	45.377	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	328743	45.440	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	341409	46.669	ug/l	99
77) Bromobenzene	13.67	156	460511	50.506	ug/l	87
78) n-propylbenzene	13.78	91	2062757	51.397	ug/l	98
79) 2-Chlorotoluene	13.84	91	1140710	49.767	ug/l	96
80) 1,3,5-Trimethylbenzene	14.24	105	1311194	49.564	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	110514	51.045	ug/l	98
82) 4-Chlorotoluene	13.94	91	1234265	49.096	ug/l	93
83) tert-Butylbenzene	14.19	119	1599268	52.800	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	1311194	49.564	ug/l	98
85) sec-Butylbenzene	14.37	105	1738553	49.512	ug/l	95
86) p-Isopropyltoluene	14.49	119	1456809	50.936	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	827973	53.450	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	800416	52.031	ug/l	97
89) n-Butylbenzene	14.80	91	1382861	57.156	ug/l	99
90) Hexachloroethane	15.01	117	426078	51.656	ug/l	79
91) 1,2-Dichlorobenzene	14.81	146	684757	51.019	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	40470	47.805	ug/l	77

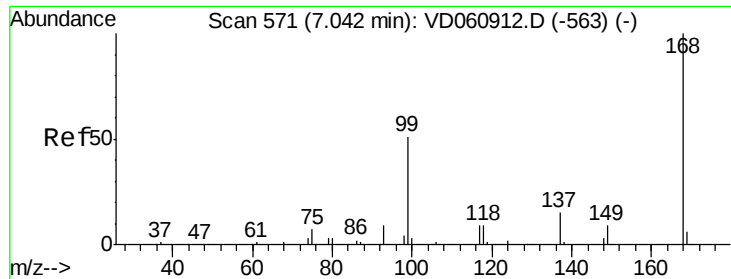
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	339396	43.550	ug/l	97
94) Hexachlorobutadiene	16.04	225	225801	45.141	ug/l	98
95) Naphthalene	16.13	128	548196	45.171	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	188949	43.173	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

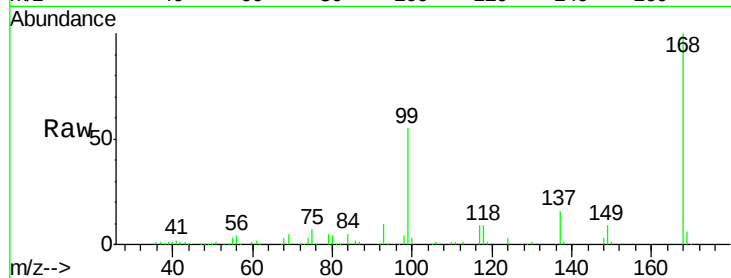
VSTDCCC050

Tot Ion:168 Resp: 778362

Ion Ratio Lower Upper

168 100

99 55.0 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

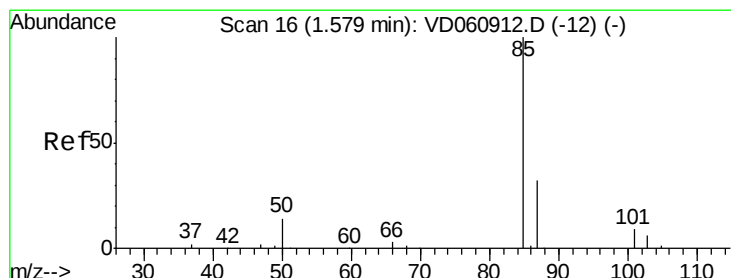
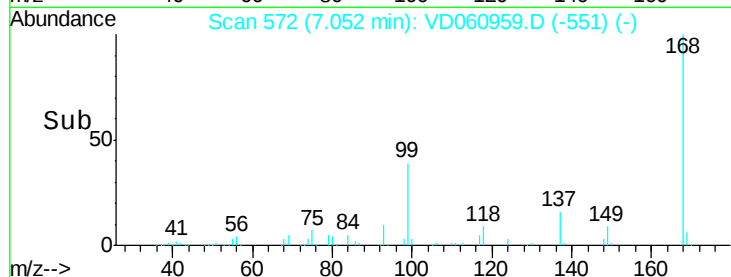
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 46.445 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD060959.D

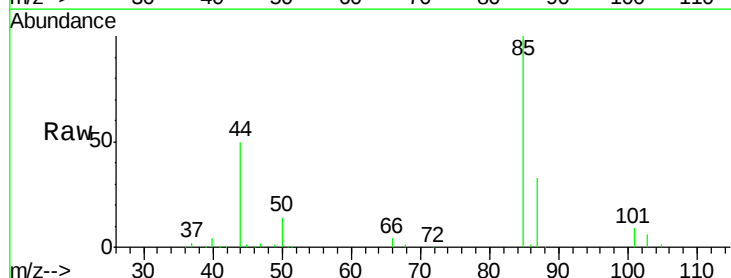
Acq: 6 Mar 2019 11:58

Tgt Ion: 85 Resp: 400568

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

150000

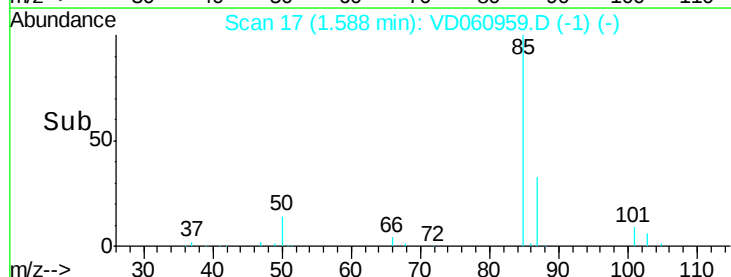
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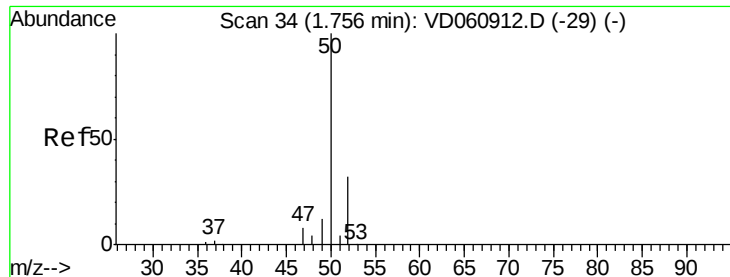
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 42.224 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

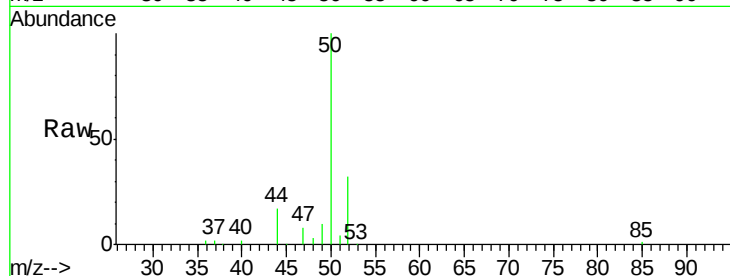
VSTDCCC050

Tot Ion: 50 Resp: 302200

Ion Ratio Lower Upper

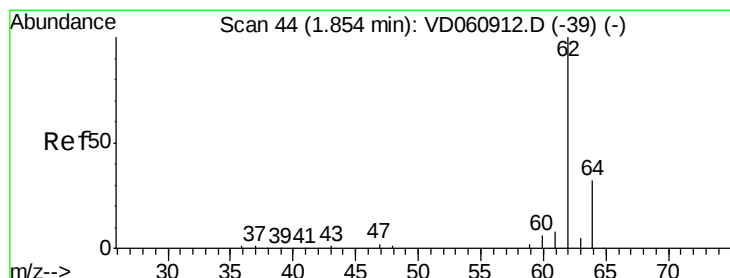
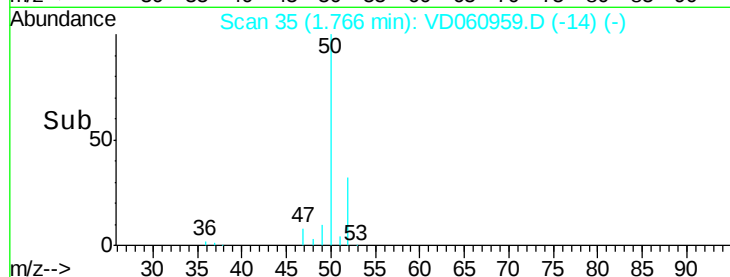
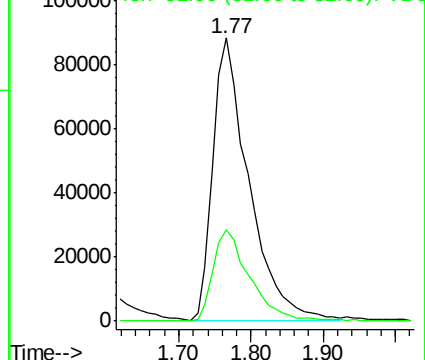
50 100

52 32.1 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 41.948 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD060959.D

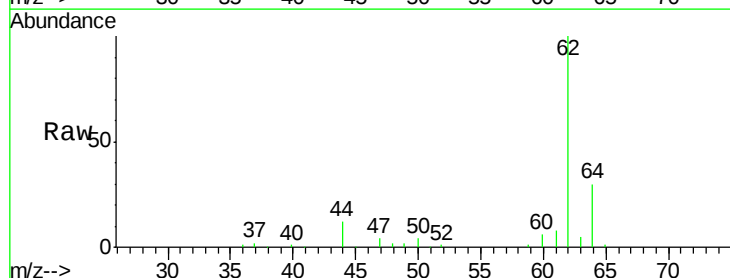
Acq: 6 Mar 2019 11:58

Tgt Ion: 62 Resp: 271241

Ion Ratio Lower Upper

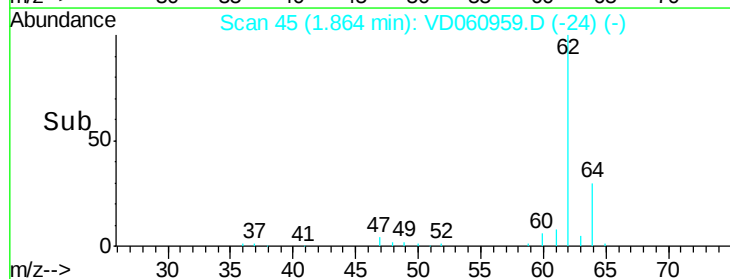
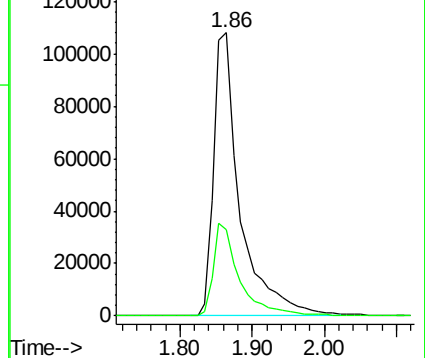
62 100

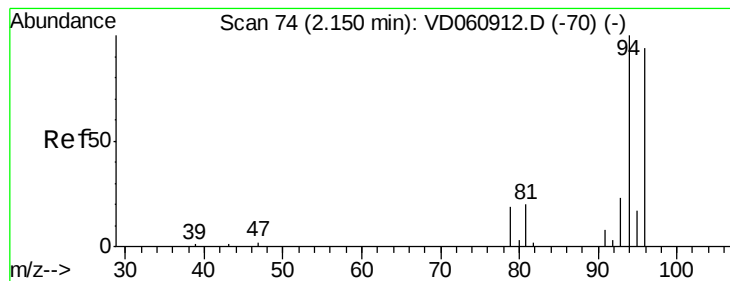
64 30.3 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 46.574 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

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ClientSampleId :

VSTDCCC050

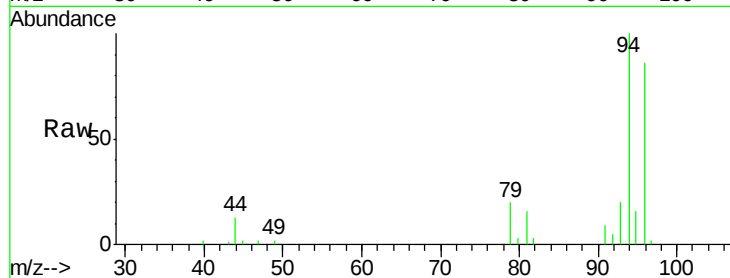
Tot Ion: 94 Resp: 53194

Ion Ratio Lower Upper

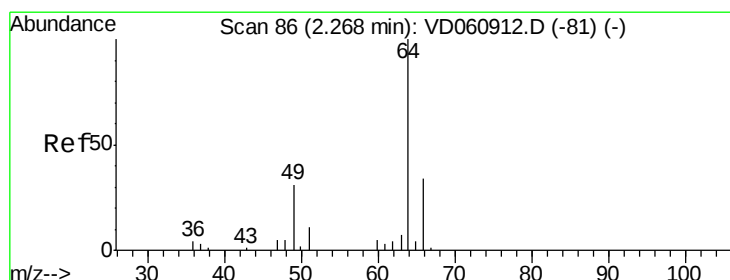
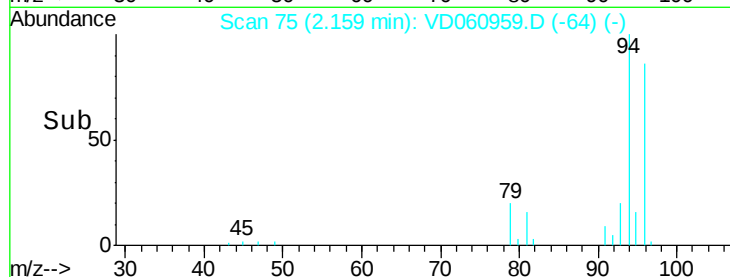
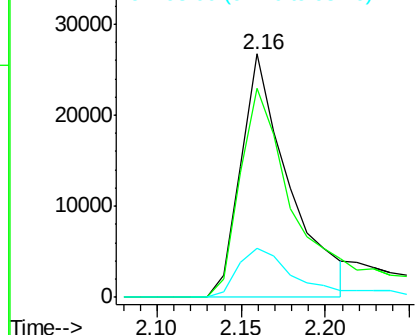
94 100

96 86.0 75.1 112.7

93 20.1 18.6 28.0



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 54.754 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.01 min

Lab File: VD060959.D

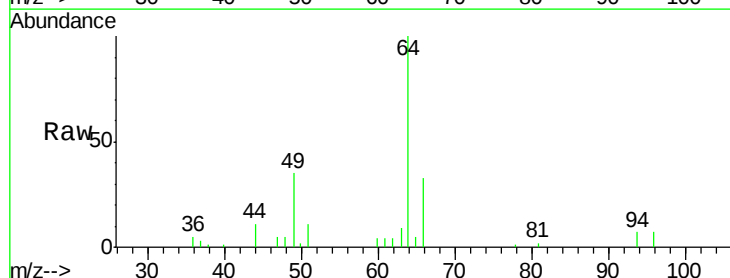
Acq: 6 Mar 2019 11:58

Tgt Ion: 64 Resp: 85298

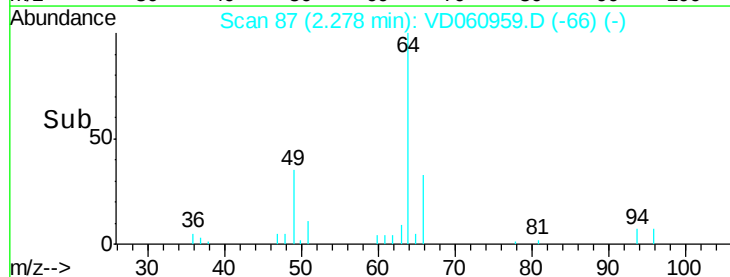
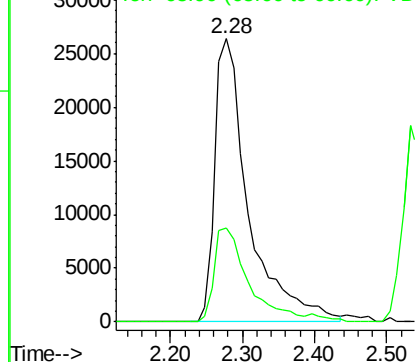
Ion Ratio Lower Upper

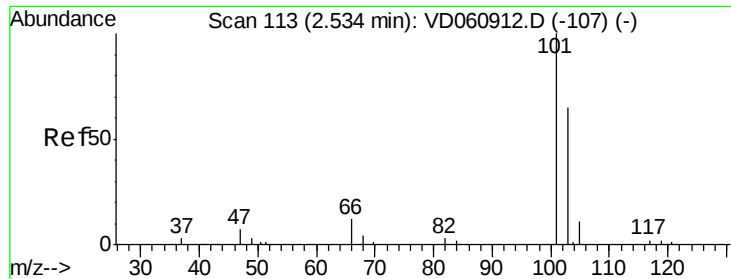
64 100

66 33.3 27.0 40.6



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



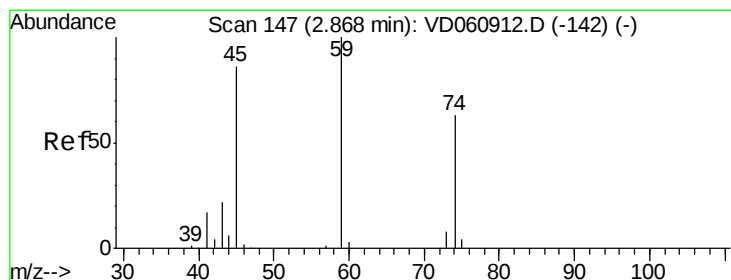
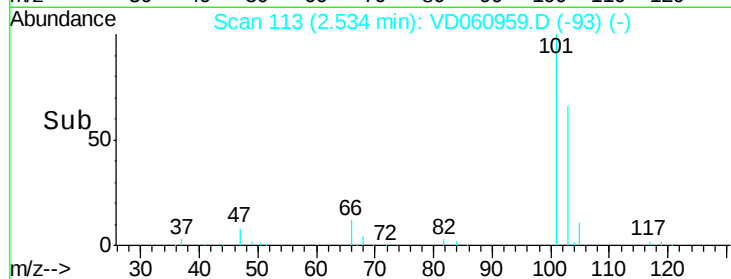
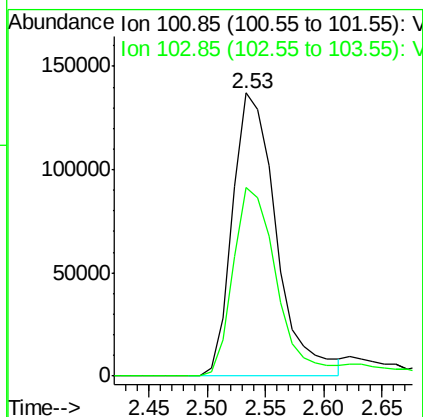
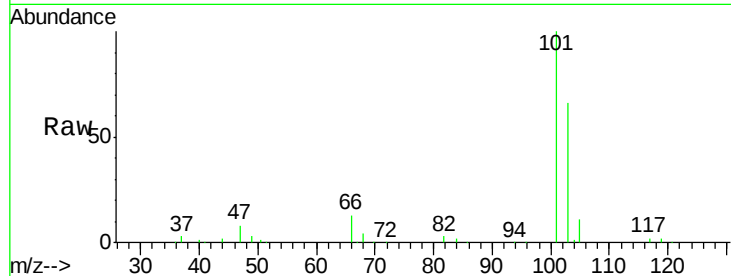


#7

Trichlorofluoromethane
 Concen: 46.146 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.00 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

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 VSTDCCC050

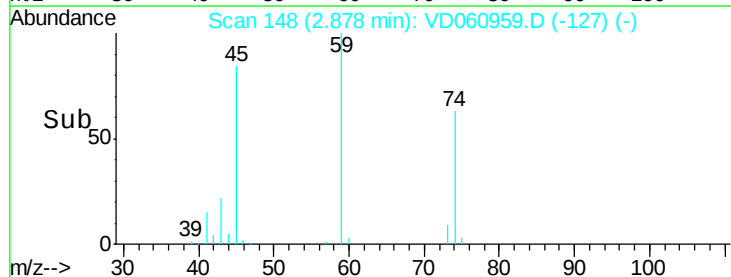
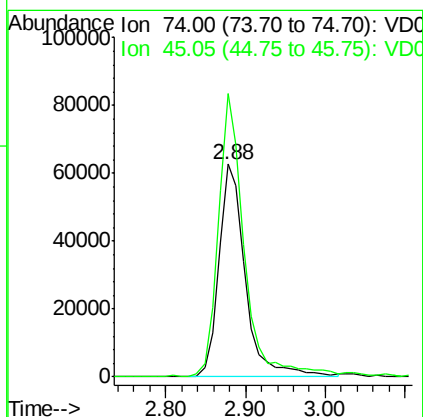
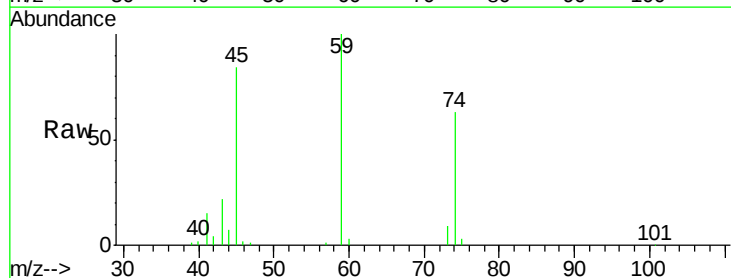
Tot Ion:101 Resp: 358144
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.4 78.6

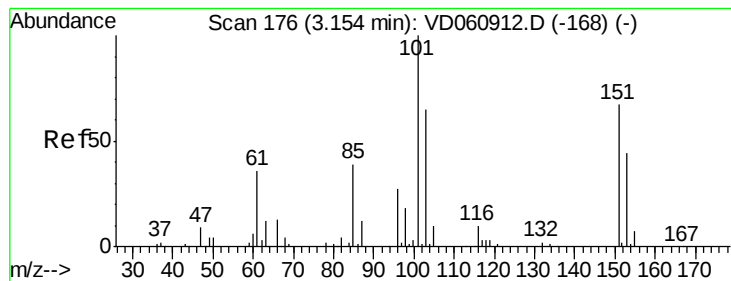


#8

Diethyl Ether
 Concen: 42.861 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

Tgt Ion: 74 Resp: 146725
 Ion Ratio Lower Upper
 74 100
 45 133.3 68.8 206.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.730 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

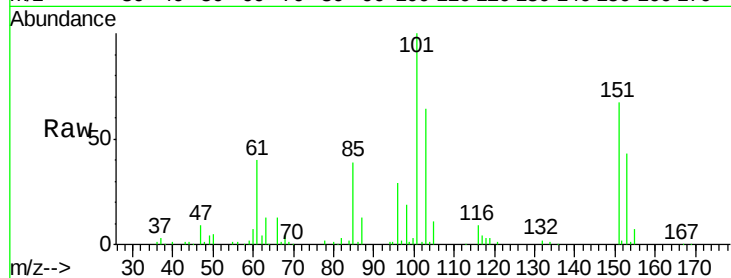
Tot Ion:101 Resp: 502457

Ion Ratio Lower Upper

101 100

85 38.6 31.0 46.6

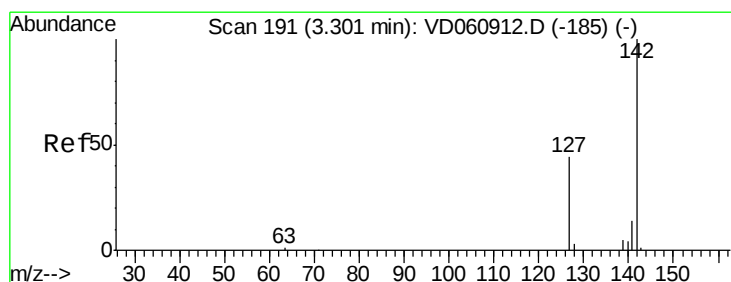
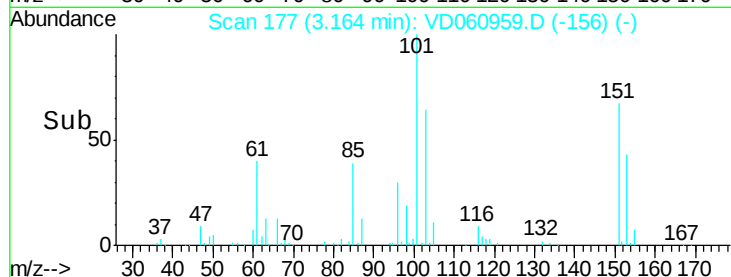
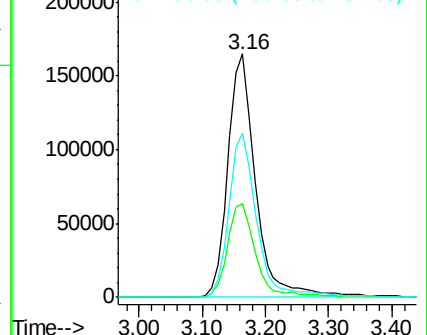
151 67.3 53.8 80.6



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: 44.362 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

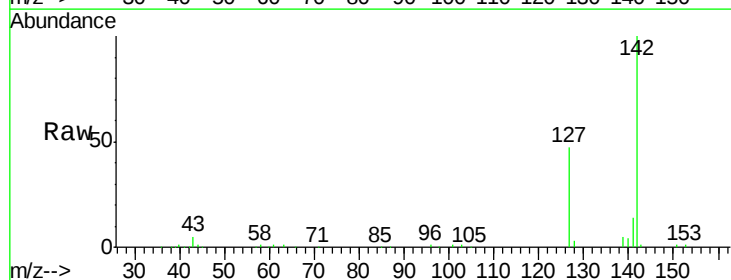
Tgt Ion:142 Resp: 663393

Ion Ratio Lower Upper

142 100

127 46.7 35.0 52.6

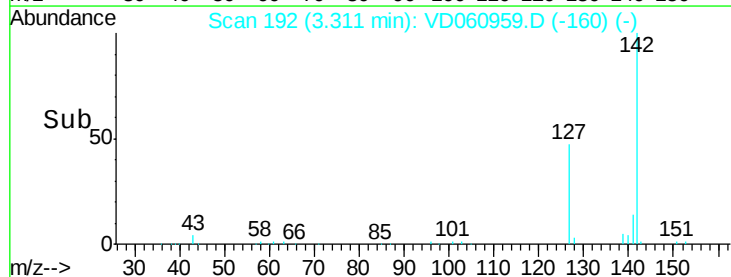
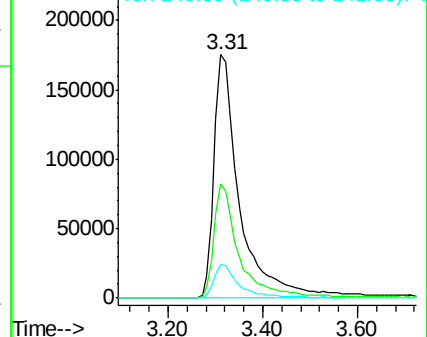
141 13.7 11.0 16.4

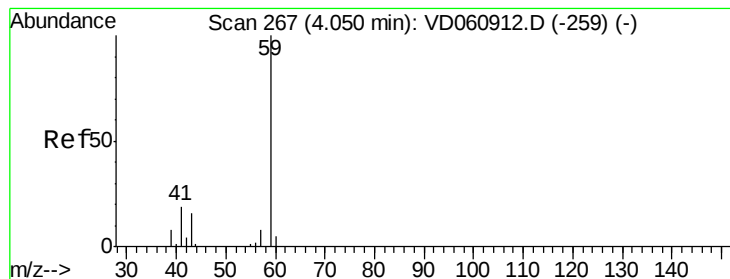


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



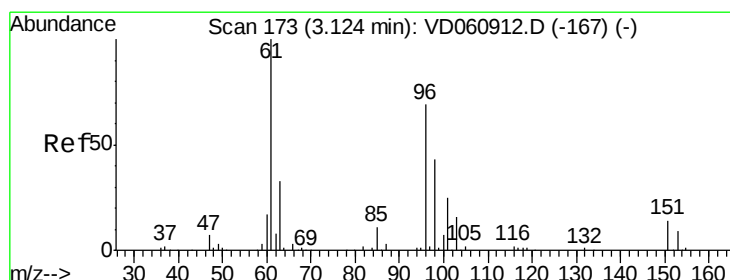
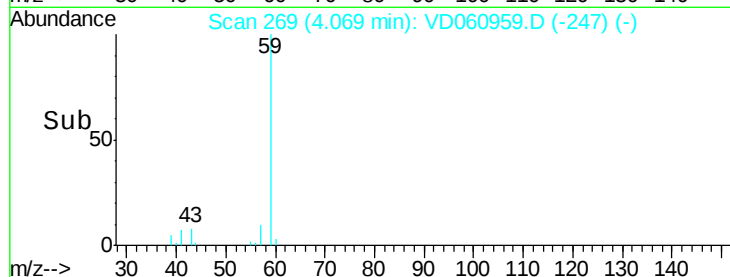
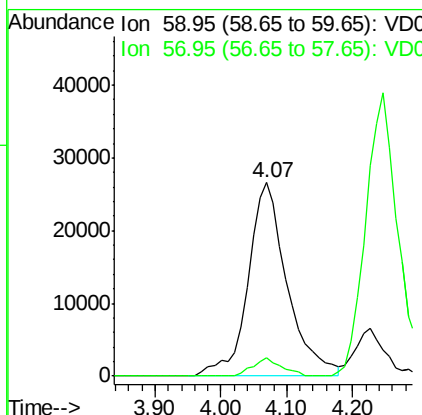
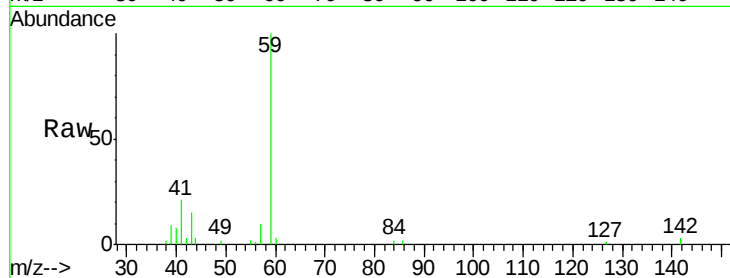


#11

Tert butyl alcohol
Concen: 230.351 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.02 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

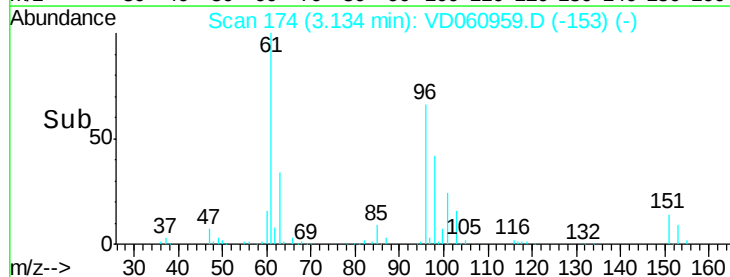
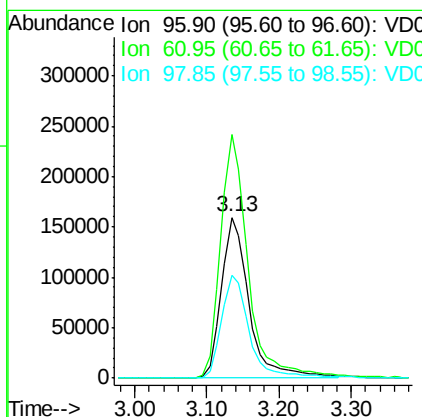
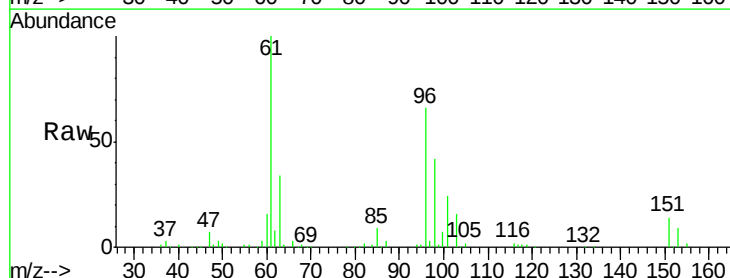
Tot Ion: 59 Resp: 110472
Ion Ratio Lower Upper
59 100
57 9.6 6.5 9.7

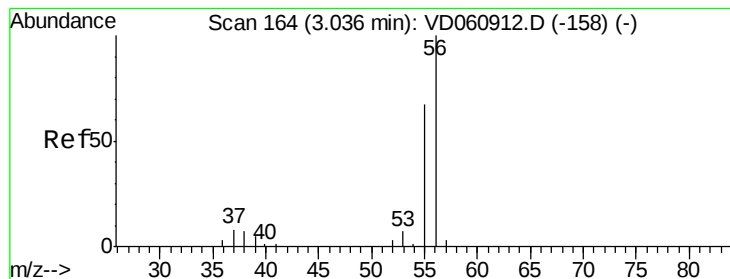


#12

1,1-Dichloroethene
Concen: 47.578 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Tgt Ion: 96 Resp: 424844
Ion Ratio Lower Upper
96 100
61 151.2 116.4 174.6
98 63.8 50.5 75.7





#13

Acrolein

Concen: 205.389 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

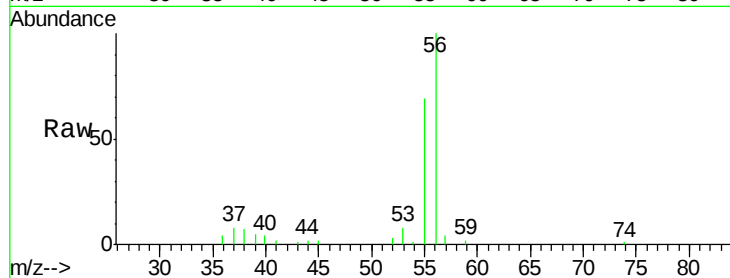
VSTDCCC050

Tot Ion: 56 Resp: 136405

Ion Ratio Lower Upper

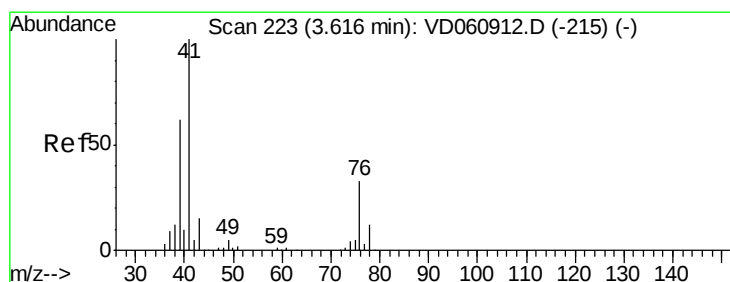
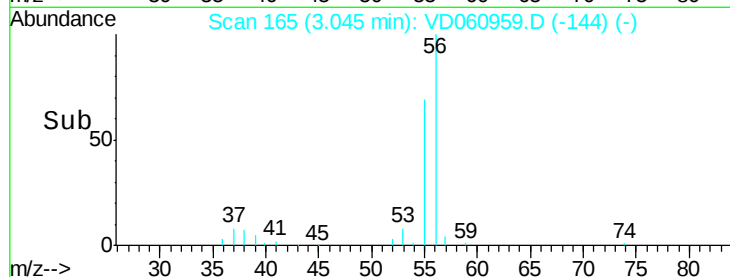
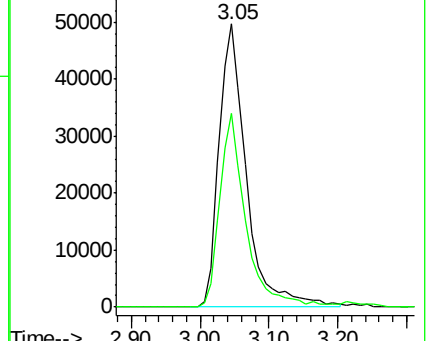
56 100

55 68.6 53.5 80.3



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 42.669 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

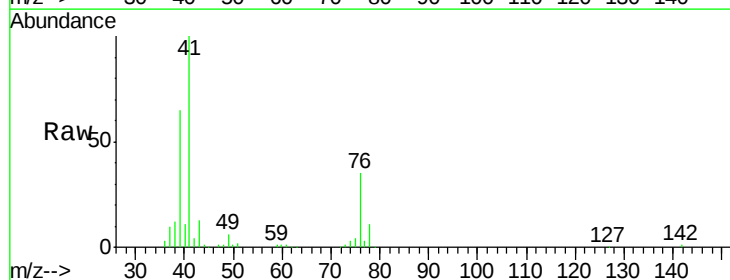
Tgt Ion: 41 Resp: 621466

Ion Ratio Lower Upper

41 100

39 65.3 49.9 74.9

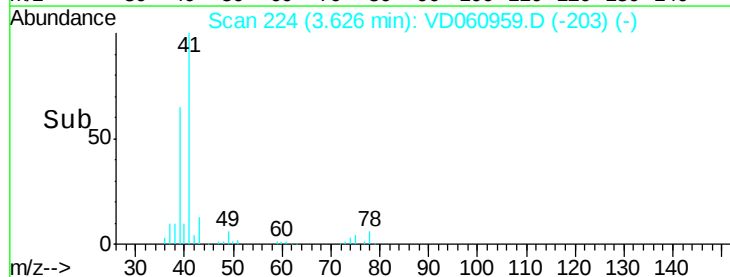
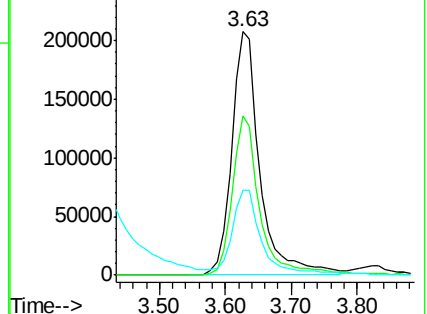
76 35.0 28.6 42.8

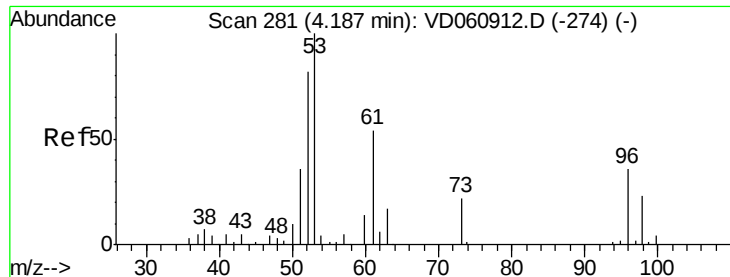


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

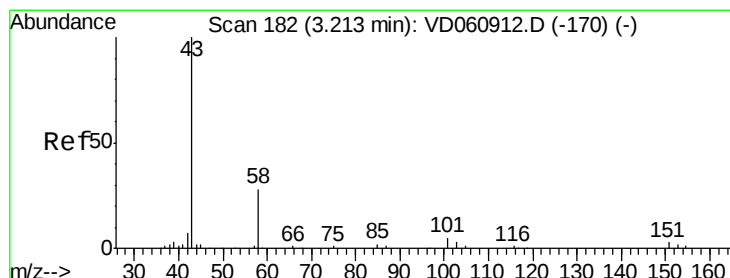
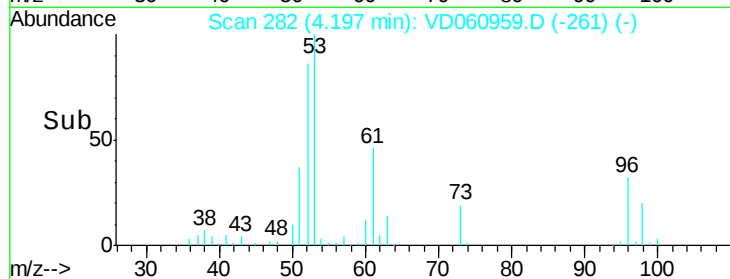
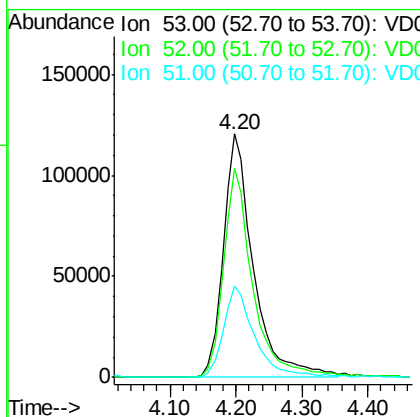
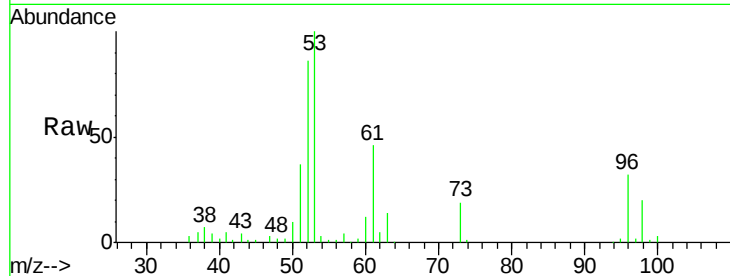




#15
 Acrylonitrile
 Concen: 209.442 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

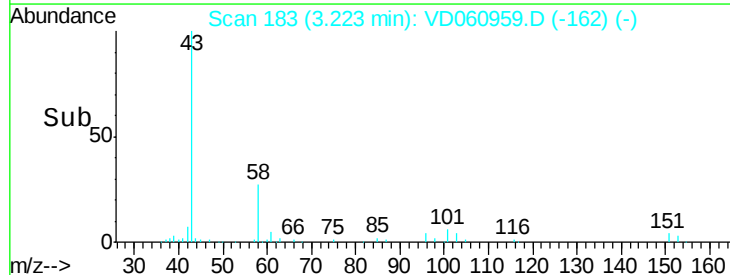
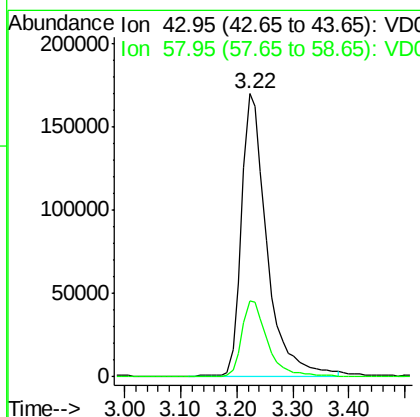
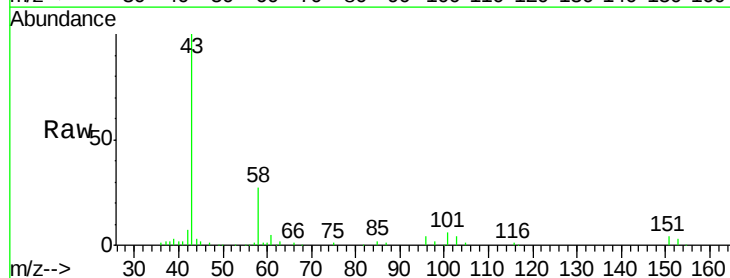
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

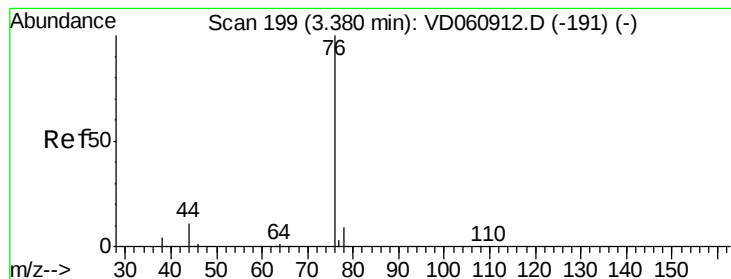
Tot Ion: 53 Resp: 384597
 Ion Ratio Lower Upper
 53 100
 52 85.8 65.8 98.6
 51 37.4 28.9 43.3



#16
 Acetone
 Concen: 250.653 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

Tgt Ion: 43 Resp: 538516
 Ion Ratio Lower Upper
 43 100
 58 27.0 22.8 34.2





#17

Carbon Disulfide

Concen: 44.590 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.00 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

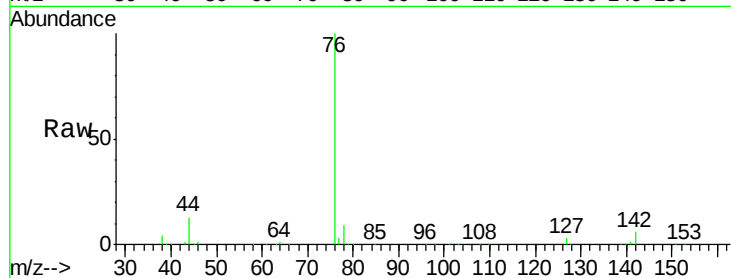
VSTDCCC050

Tot Ion: 76 Resp: 1411403

Ion Ratio Lower Upper

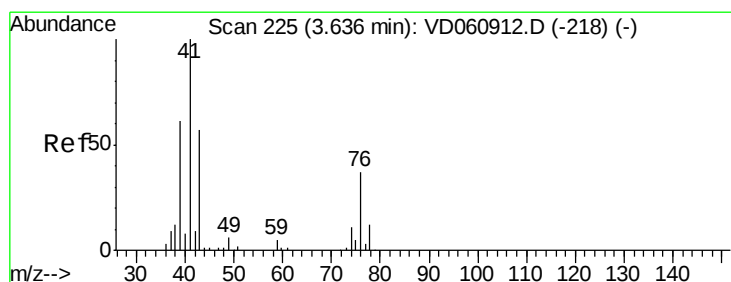
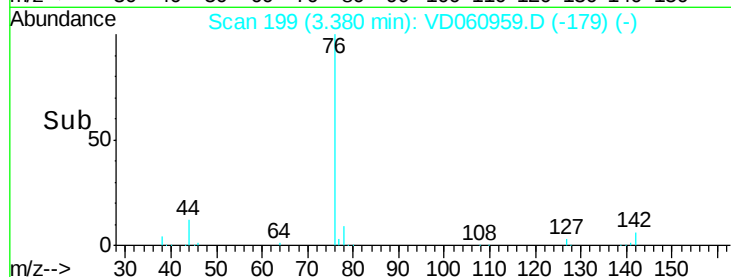
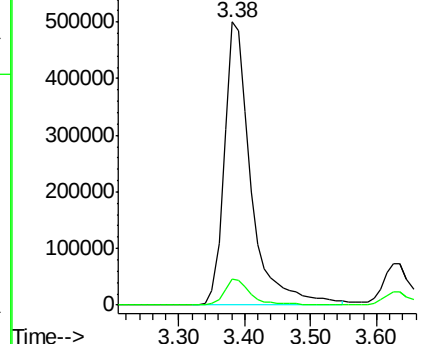
76 100

78 9.1 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 39.816 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD060959.D

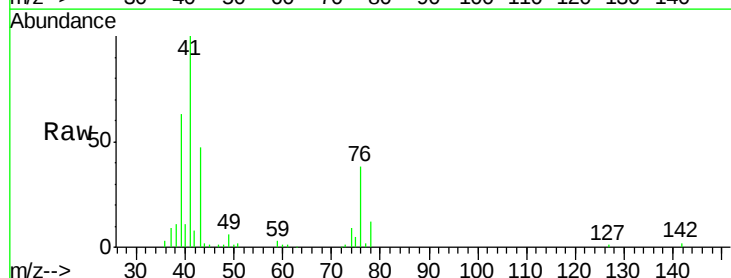
Acq: 6 Mar 2019 11:58

Tgt Ion: 43 Resp: 175155

Ion Ratio Lower Upper

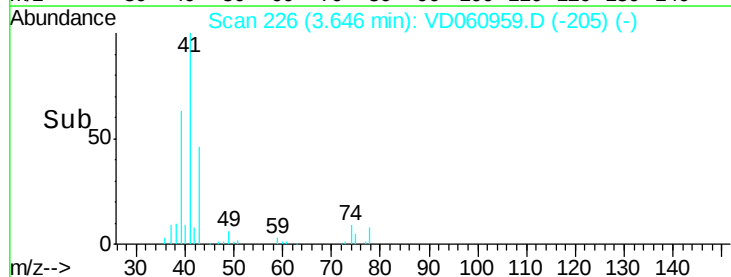
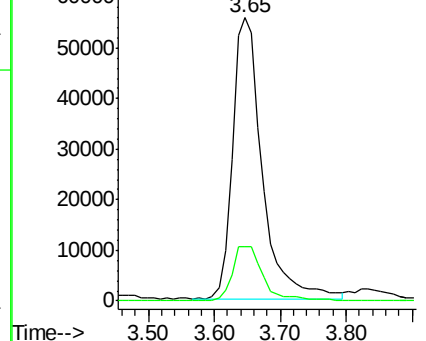
43 100

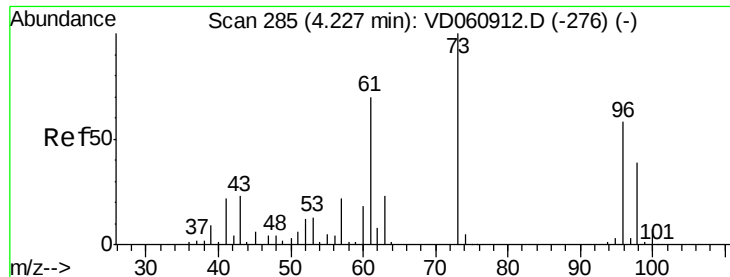
74 19.3 16.1 24.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

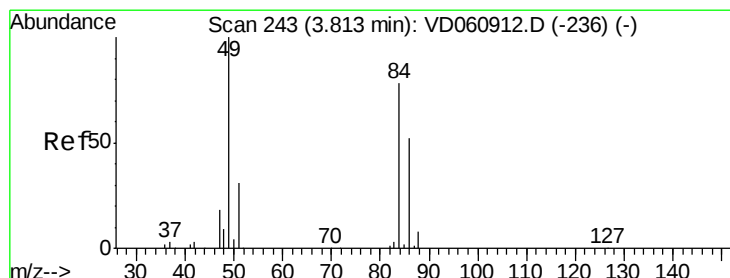
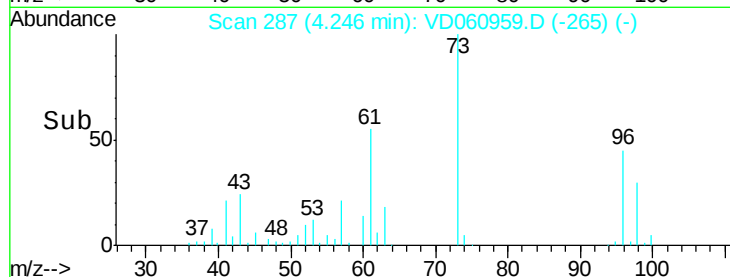
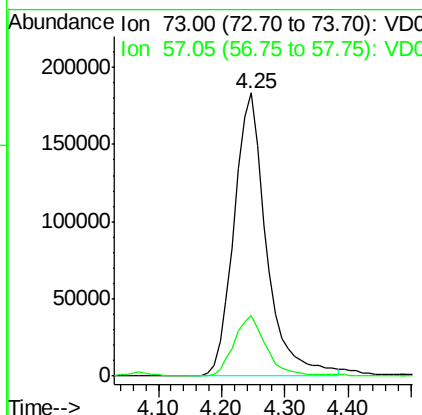
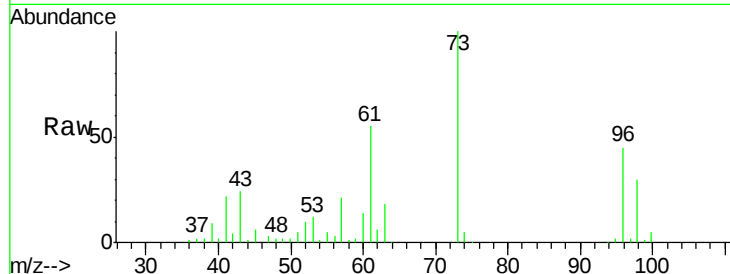




#19
Methyl tert-butyl Ether
Concen: 41.519 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

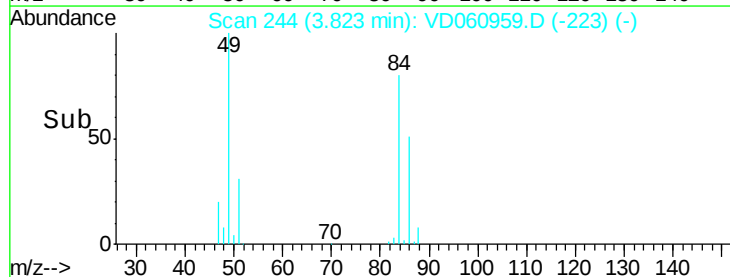
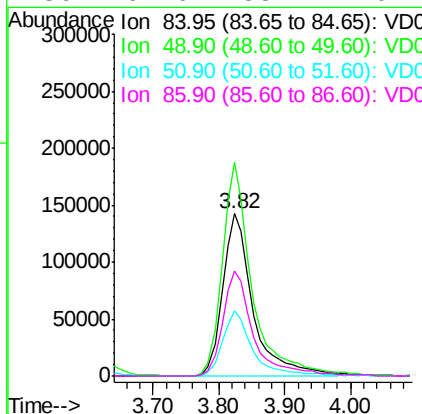
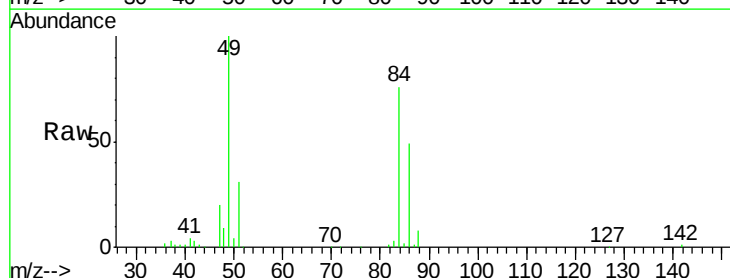
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

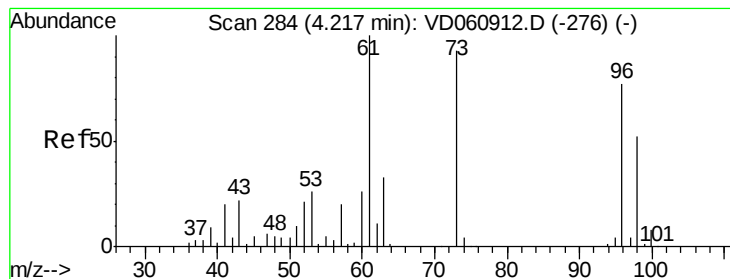
Tot Ion: 73 Resp: 652106
Ion Ratio Lower Upper
73 100
57 21.2 17.8 26.6



#20
Methylene Chloride
Concen: 44.518 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Tgt Ion: 84 Resp: 458038
Ion Ratio Lower Upper
84 100
49 131.4 102.4 153.6
51 40.2 31.9 47.9
86 64.6 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 43.686 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

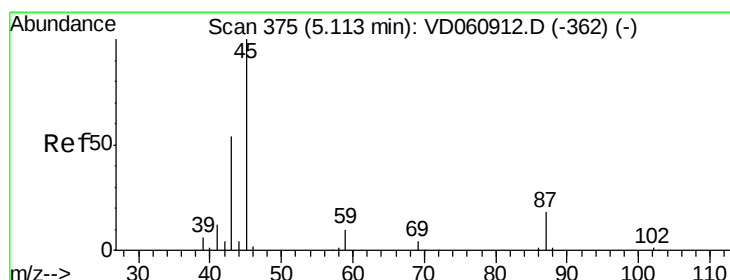
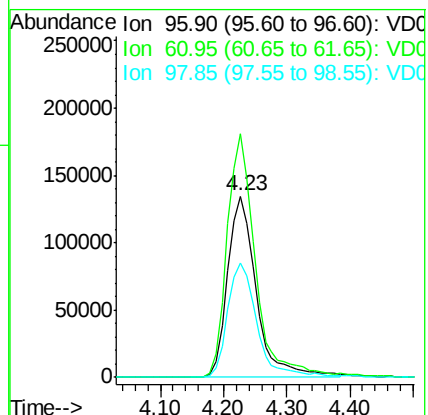
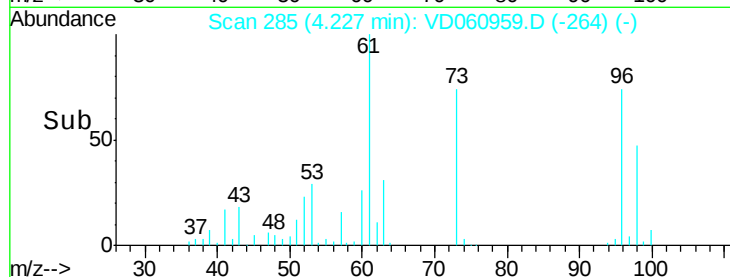
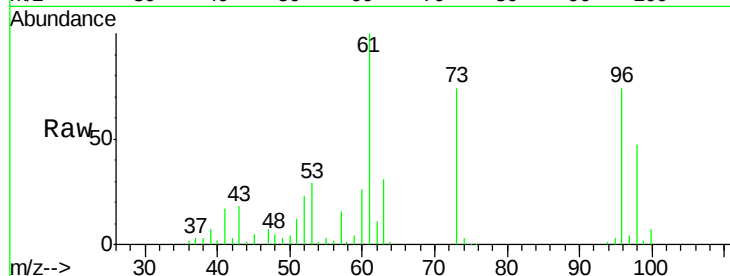
Tot Ion: 96 Resp: 424676

Ion Ratio Lower Upper

96 100

61 134.6 103.4 155.2

98 63.0 53.6 80.4



#22

Diisopropyl ether

Concen: 44.233 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Tgt Ion: 45 Resp: 1367956

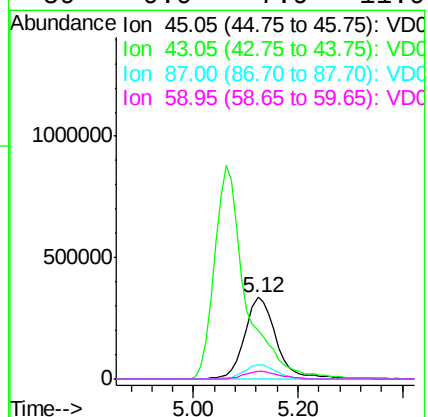
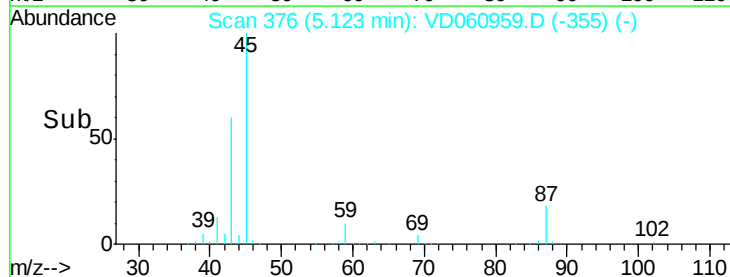
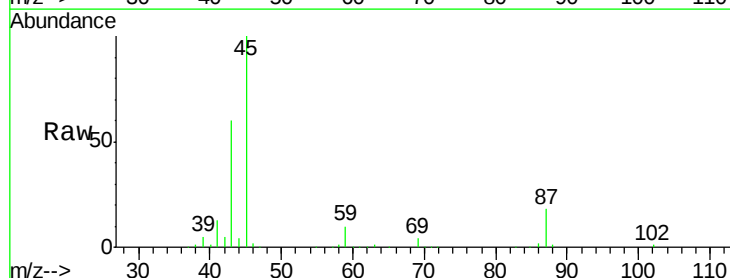
Ion Ratio Lower Upper

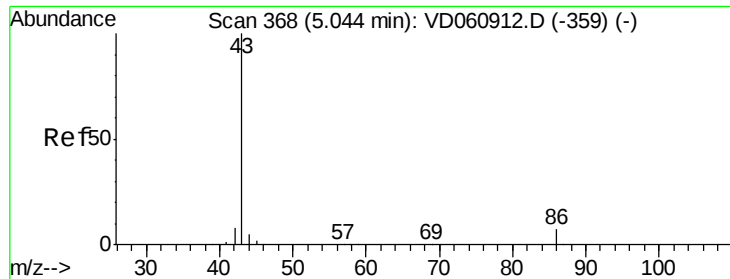
45 100

43 59.9 44.4 66.6

87 17.6 14.7 22.1

59 9.9 7.9 11.9





#23

Vinyl Acetate

Concen: 219.232 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

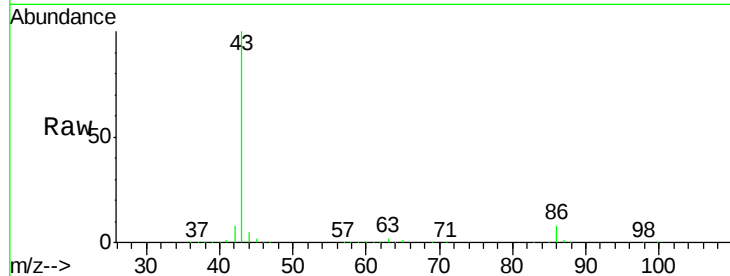
VSTDCCC050

Tot Ion: 43 Resp: 3560474

Ion Ratio Lower Upper

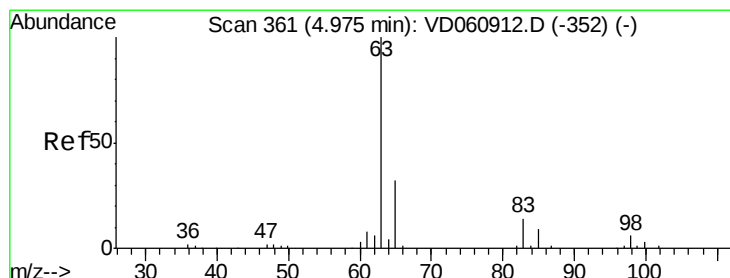
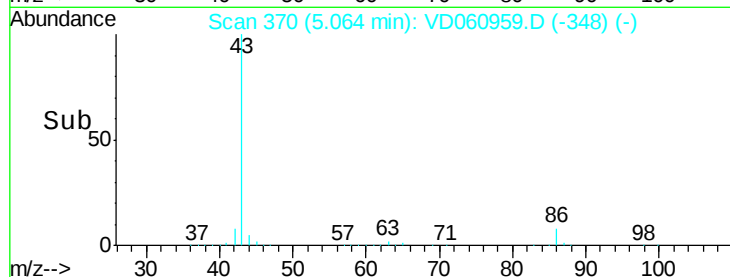
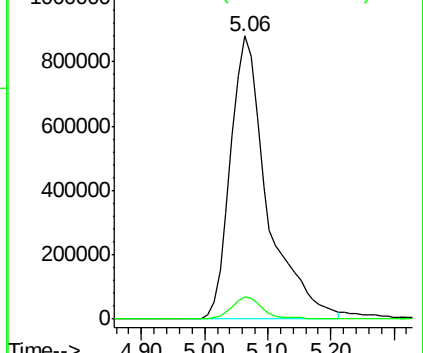
43 100

86 7.7 5.8 8.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 45.461 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.02 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

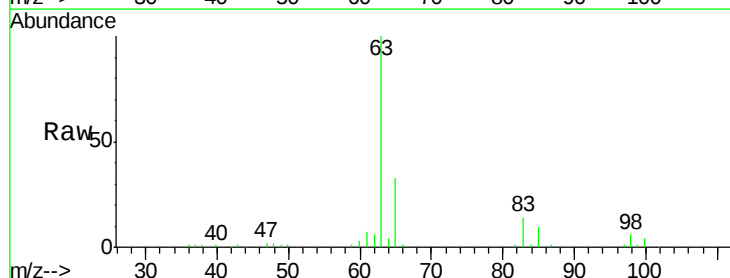
Tgt Ion: 63 Resp: 749830

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

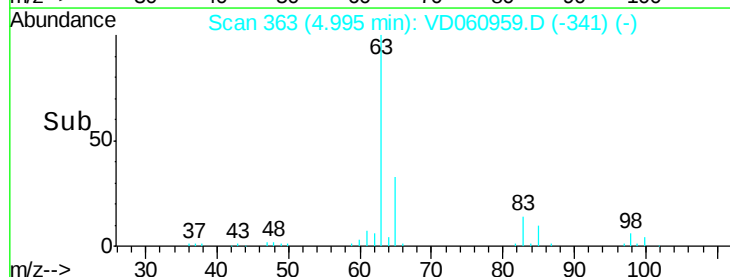
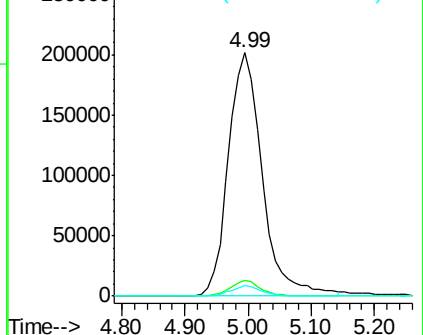
100 4.2 1.7 5.1

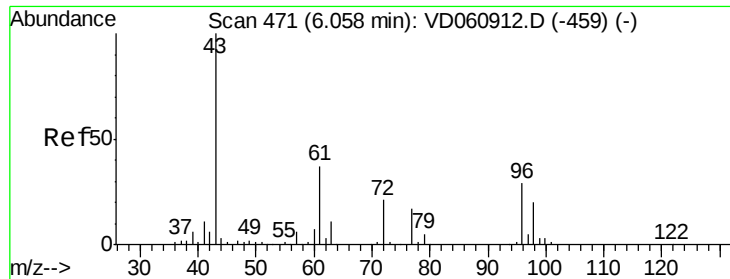


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 216.961 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

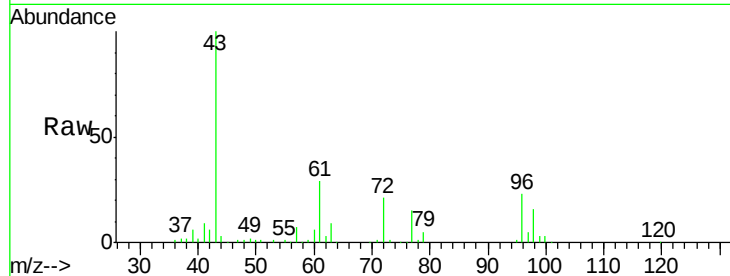
VSTDCCC050

Tot Ion: 43 Resp: 578237

Ion Ratio Lower Upper

43 100

72 21.0 17.0 25.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.08

150000

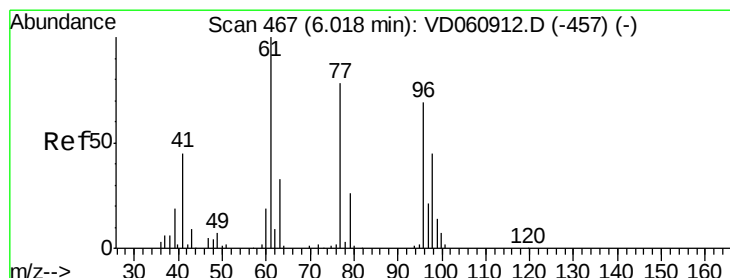
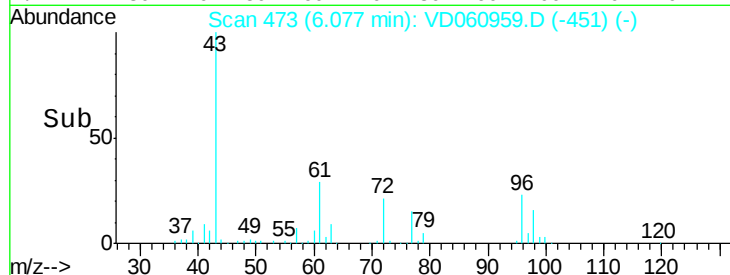
100000

50000

0

6.00 6.10

Time-->



#26

2,2-Dichloropropane

Concen: 47.477 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD060959.D

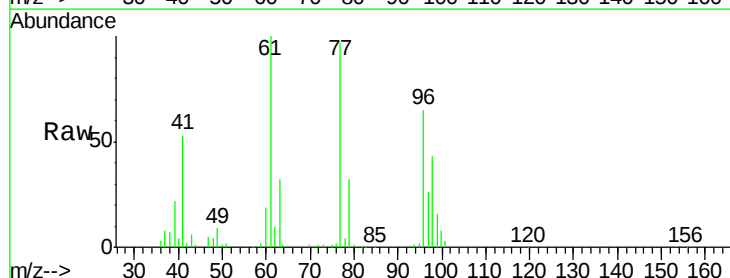
Acq: 6 Mar 2019 11:58

Tgt Ion: 77 Resp: 581725

Ion Ratio Lower Upper

77 100

97 26.3 13.5 40.4



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.03

150000

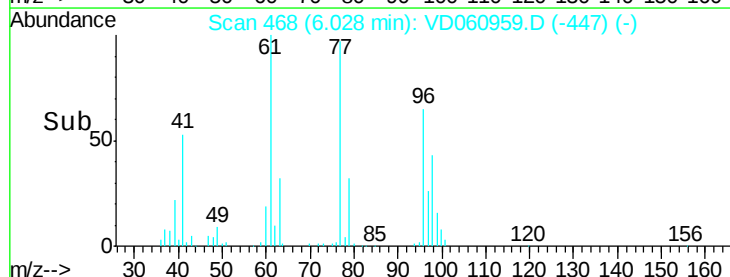
100000

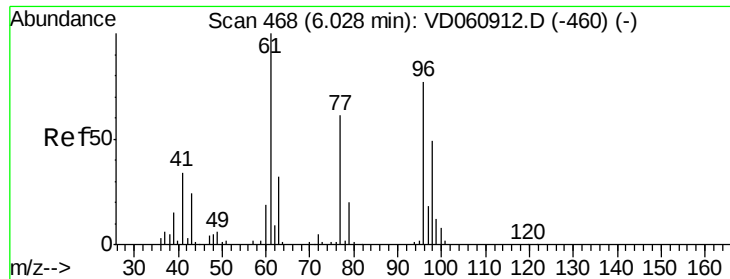
50000

0

5.90 6.00 6.10 6.20

Time-->



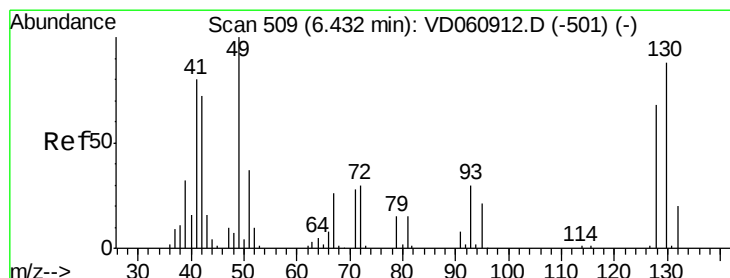
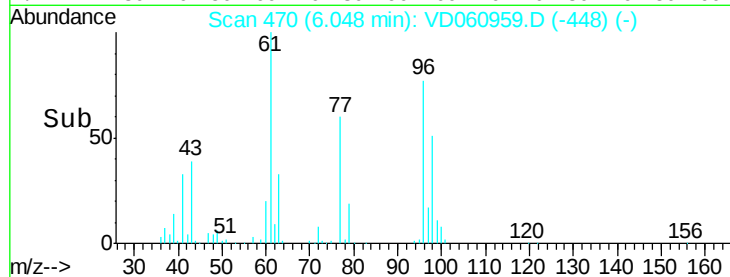
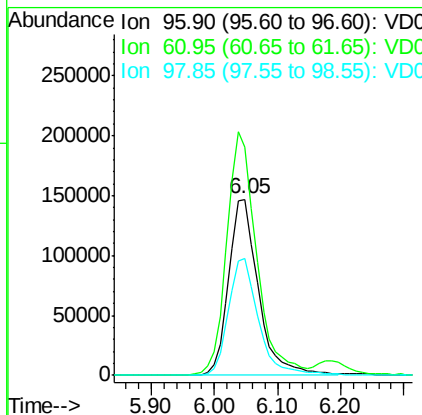
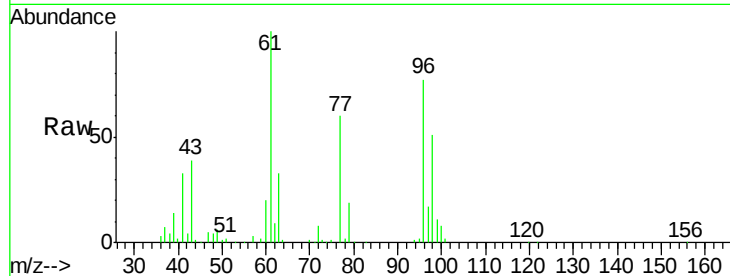


#27

cis-1,2-Dichloroethene
 Concen: 43.564 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.02 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

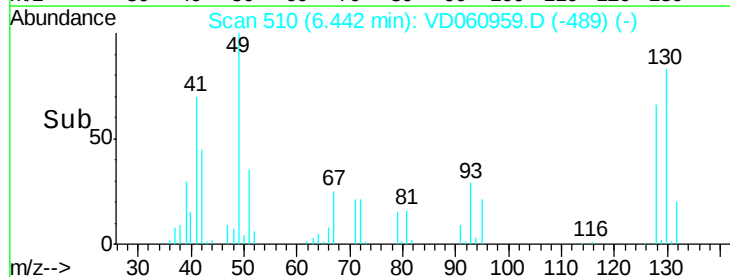
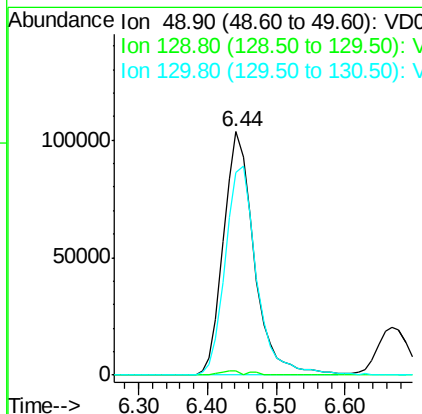
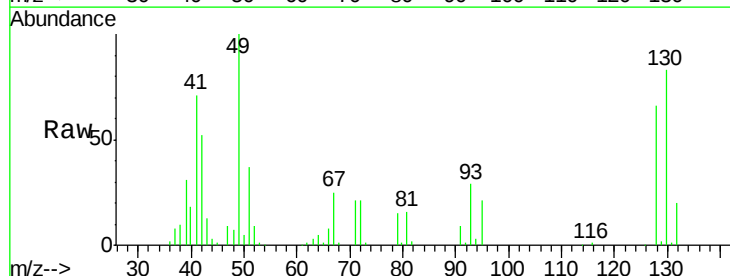
Tot Ion: 96 Resp: 480171
 Ion Ratio Lower Upper
 96 100
 61 129.3 0.0 258.8
 98 66.0 0.0 126.4

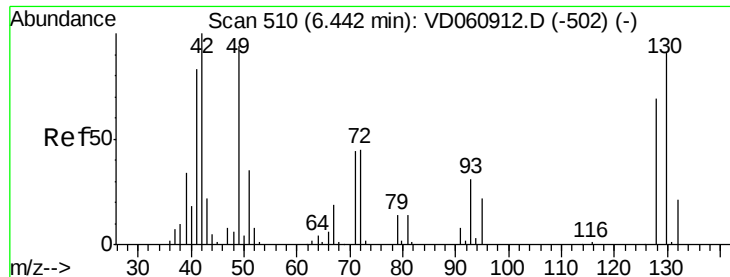


#28

Bromochloromethane
 Concen: 46.258 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

Tgt Ion: 49 Resp: 320476
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 0.0#
 130 83.0 70.4 105.6

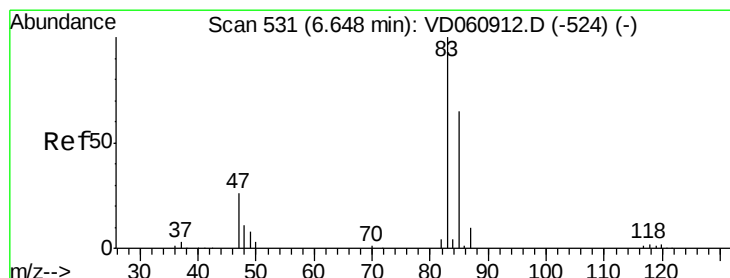
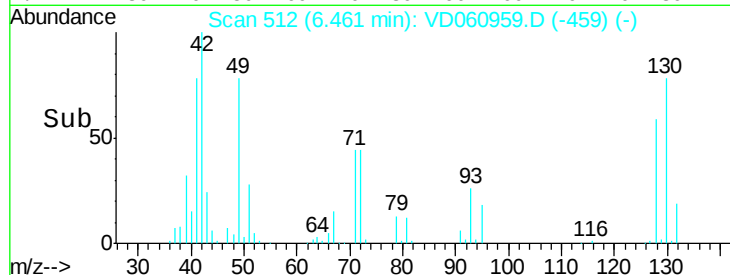
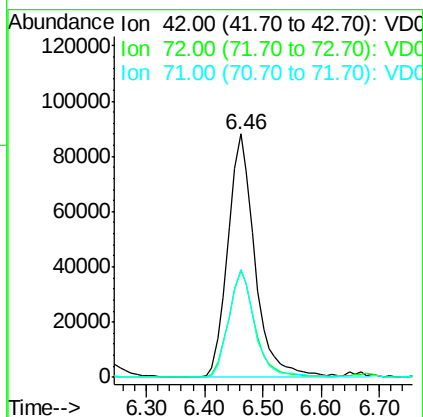
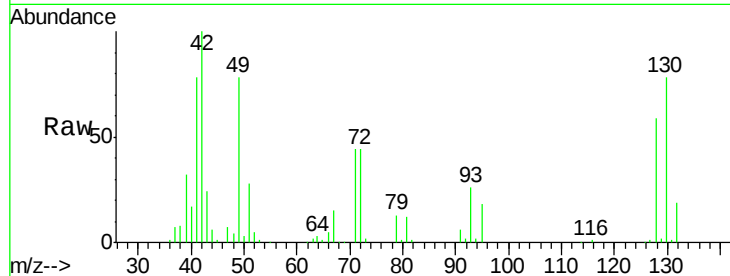




#29
Tetrahydrofuran
Concen: 207.552 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

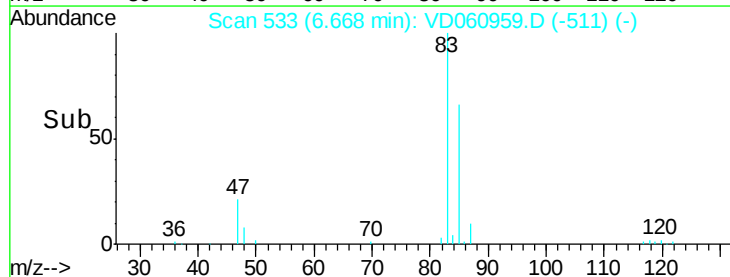
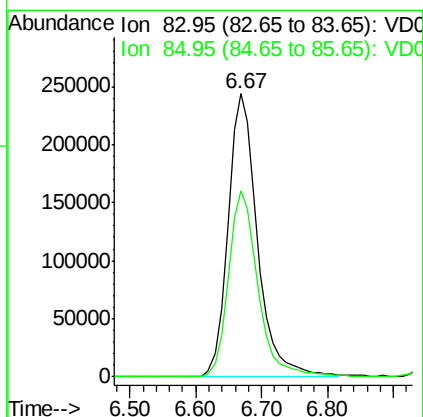
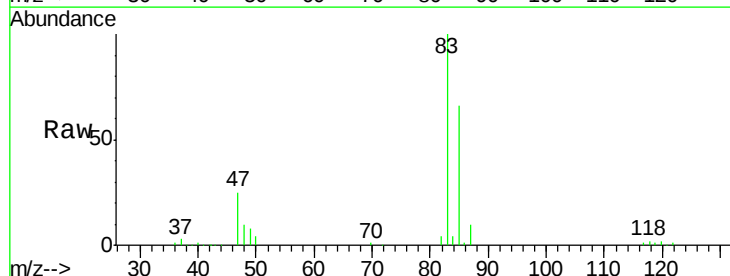
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

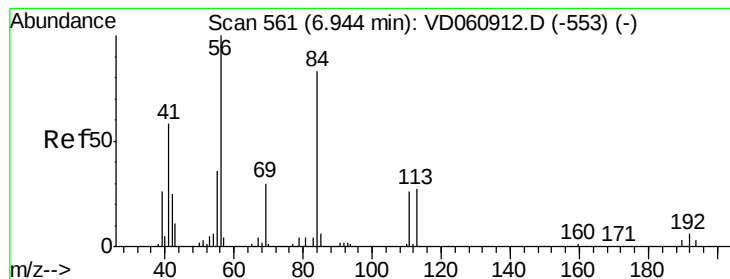
Tot Ion: 42 Resp: 284730
Ion Ratio Lower Upper
42 100
72 43.2 33.8 50.6
71 42.2 33.5 50.3



#30
Chloroform
Concen: 47.527 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.02 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Tgt Ion: 83 Resp: 760294
Ion Ratio Lower Upper
83 100
85 65.7 51.7 77.5





#31

Cyclohexane

Concen: 47.415 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.02 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

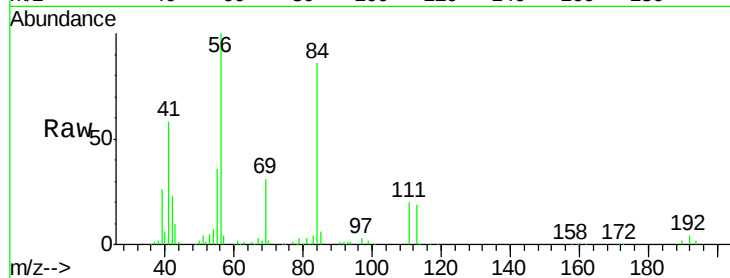
Tot Ion: 56 Resp: 673563

Ion Ratio Lower Upper

56 100

69 30.8 23.6 35.4

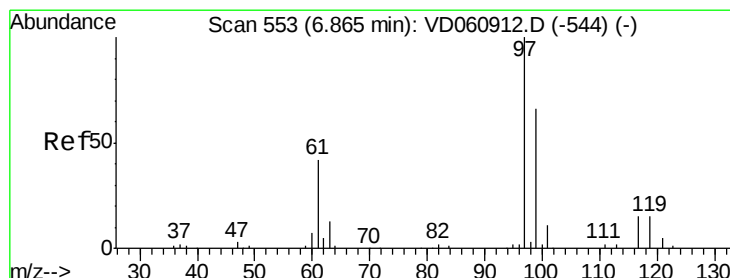
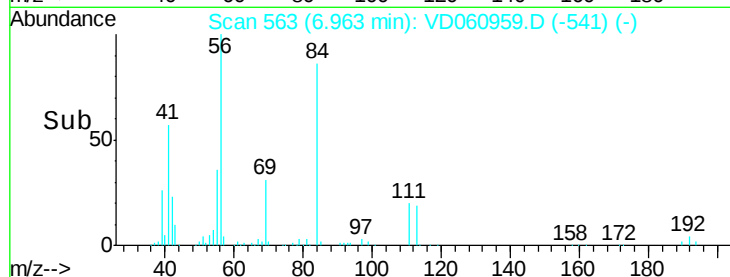
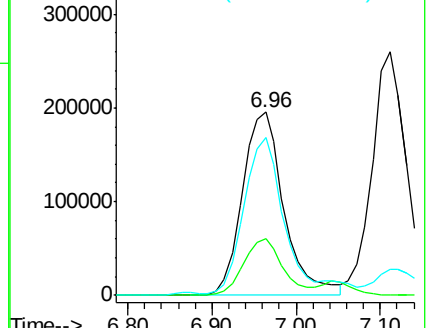
84 86.0 66.5 99.7



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: 46.837 ug/l

RT: 6.87 min Scan# 554

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

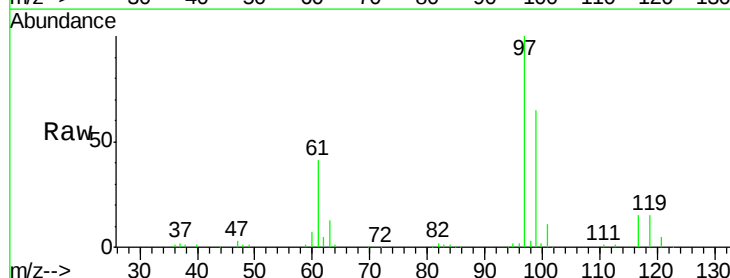
Tgt Ion: 97 Resp: 641580

Ion Ratio Lower Upper

97 100

99 64.9 52.8 79.2

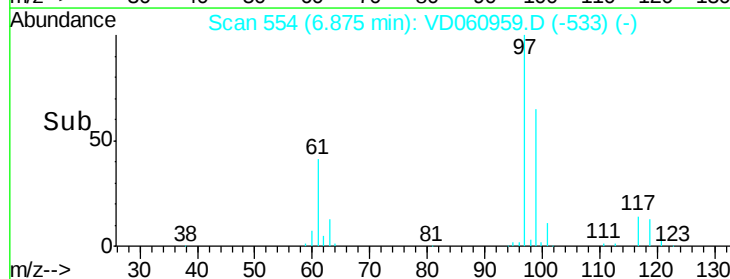
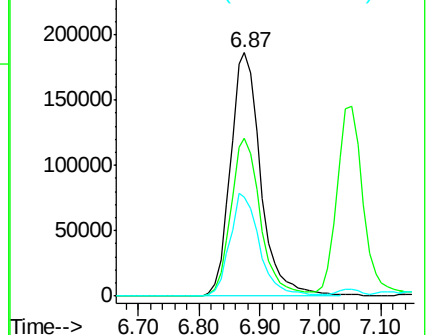
61 40.6 33.3 49.9

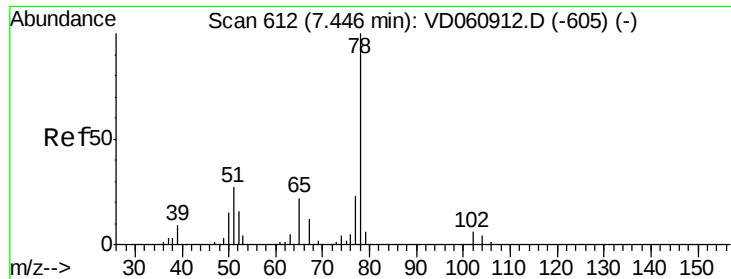


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 46.837 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

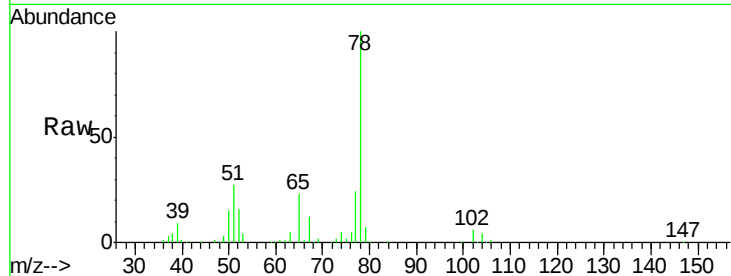
VSTDCCC050

Tot Ion: 65 Resp: 316442

Ion Ratio Lower Upper

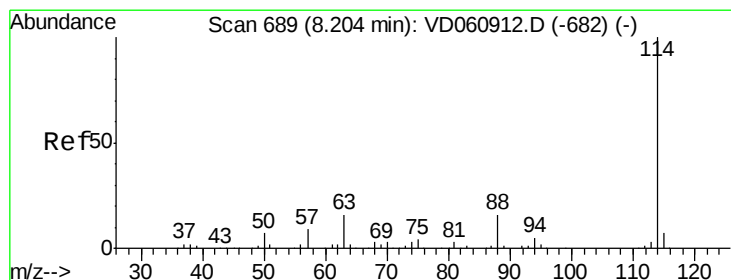
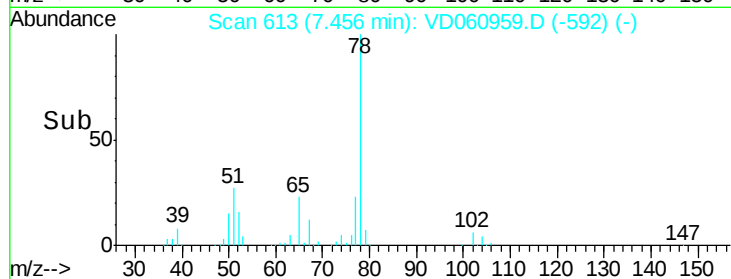
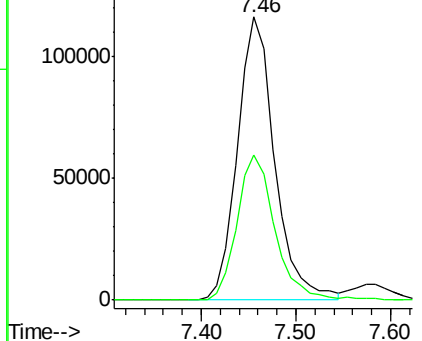
65 100

67 51.4 0.0 109.4



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: 8.22 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

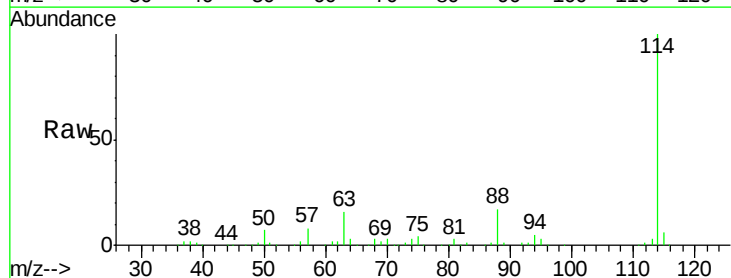
Tgt Ion: 114 Resp: 1281718

Ion Ratio Lower Upper

114 100

63 16.4 0.0 32.0

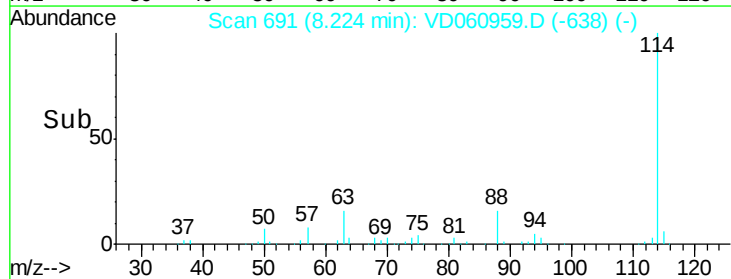
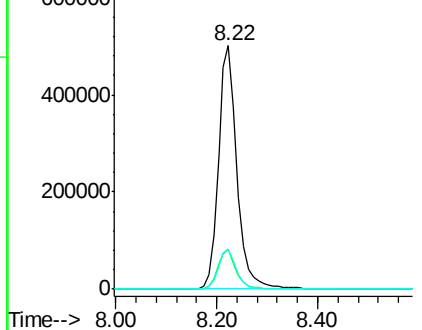
88 16.6 0.0 32.8

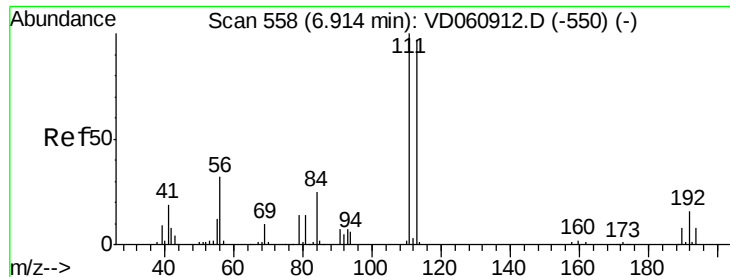


Abundance Ion 114.00 (113.70 to 114.70): V

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# 559

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

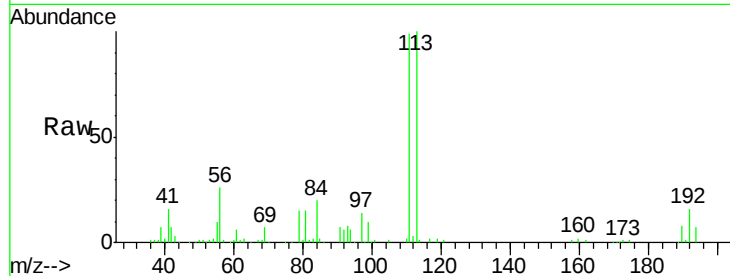
Tot Ion:113 Resp: 520133

Ion Ratio Lower Upper

113 100

111 99.5 82.6 124.0

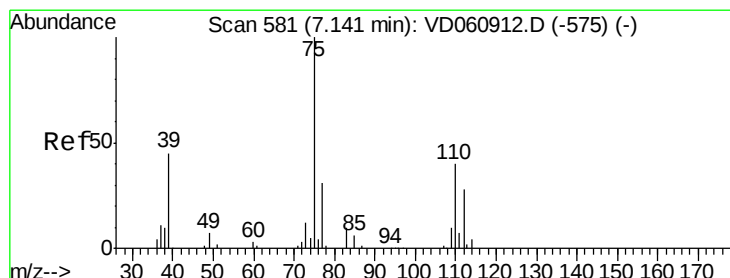
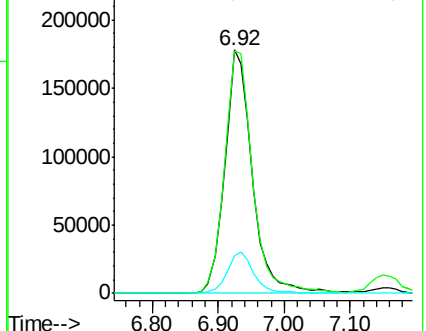
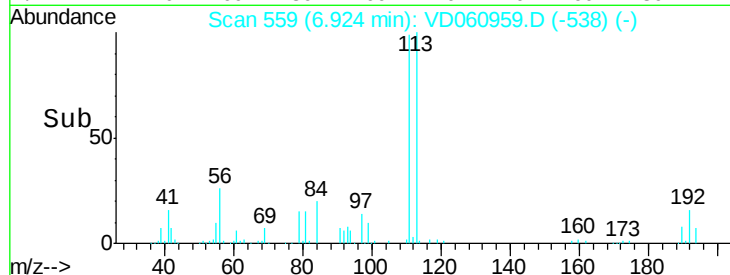
192 15.6 13.4 20.2



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: 48.281 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

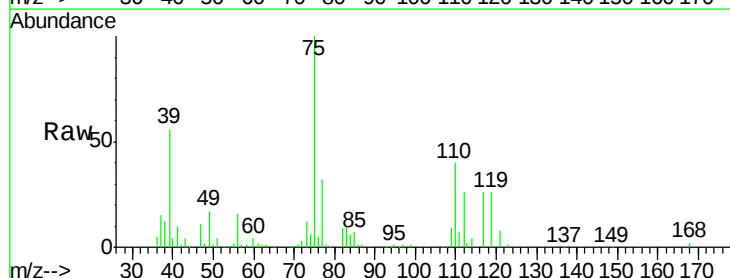
Tgt Ion: 75 Resp: 568971

Ion Ratio Lower Upper

75 100

110 40.0 19.9 59.7

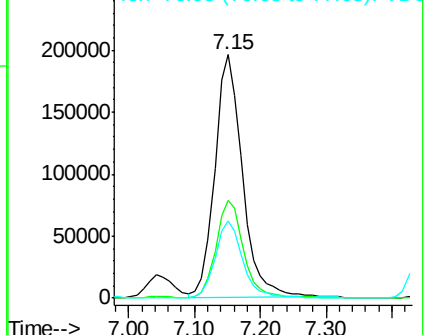
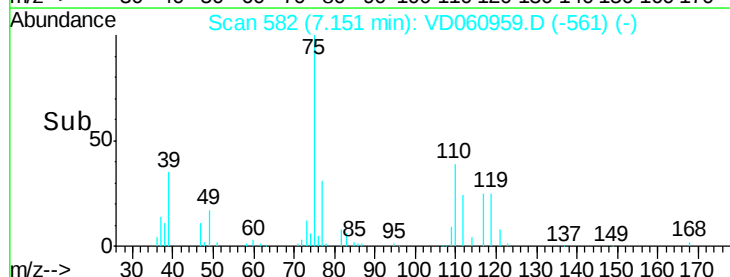
77 31.7 25.0 37.6

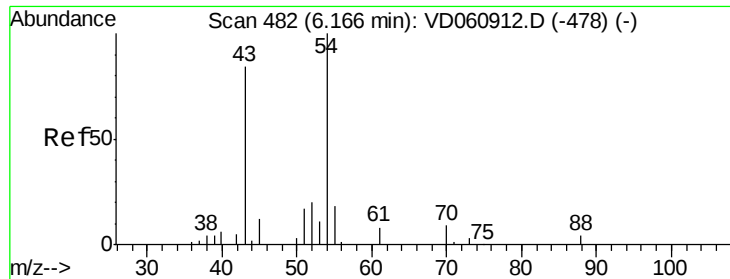


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

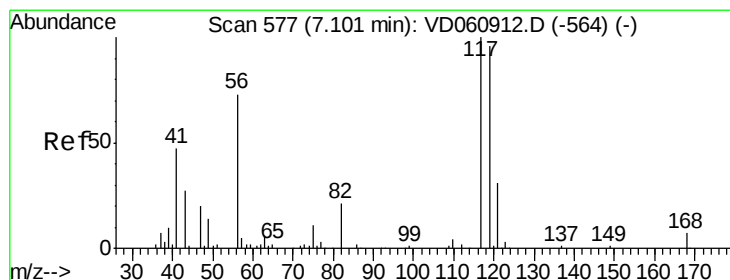
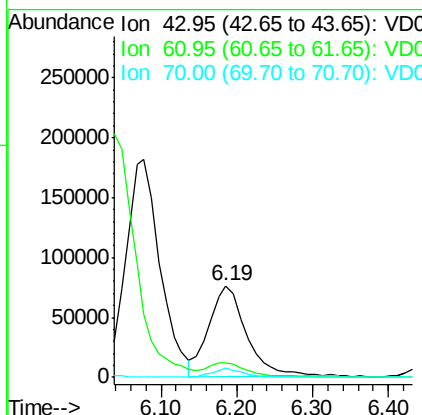
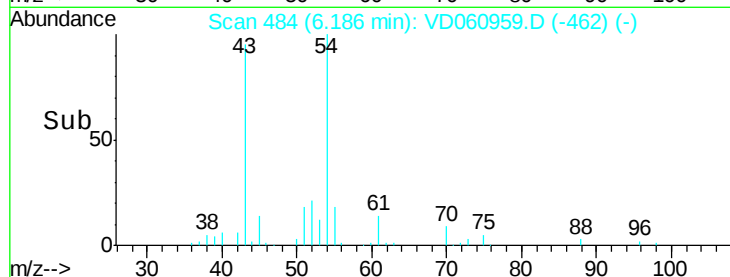
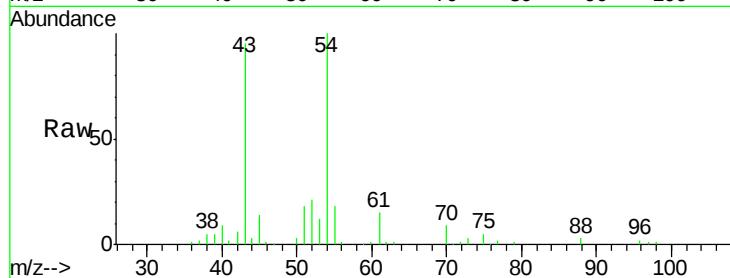




#37
Ethyl Acetate
Concen: 42.813 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

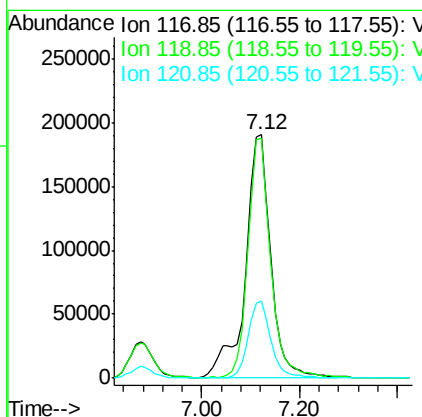
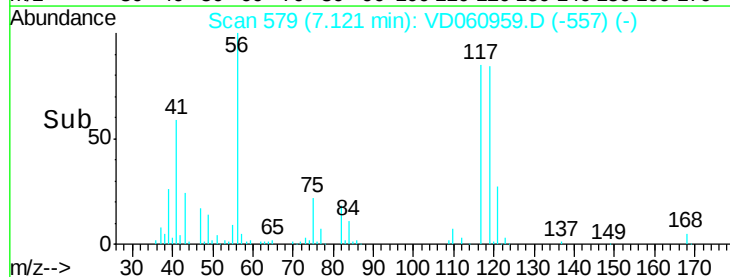
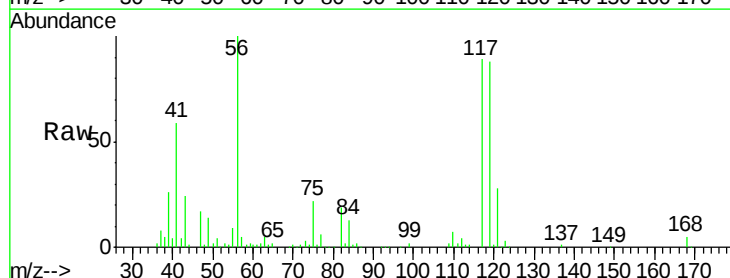
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

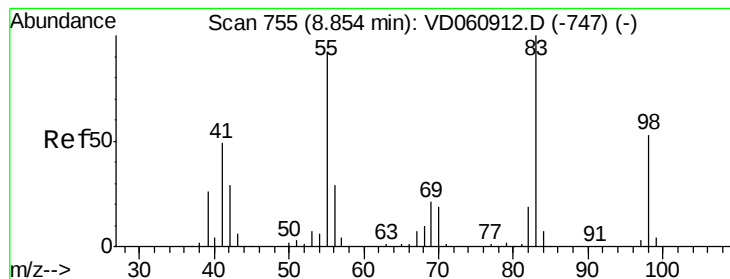
Tot Ion: 43 Resp: 259363
Ion Ratio Lower Upper
43 100
61 15.8 12.1 18.1
70 9.8 7.3 10.9



#38
Carbon Tetrachloride
Concen: 54.203 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.02 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Tgt Ion: 117 Resp: 686249
Ion Ratio Lower Upper
117 100
119 98.7 76.9 115.3
121 31.6 24.5 36.7





#39

Methvlcvclohexane

Concen: 45.242 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

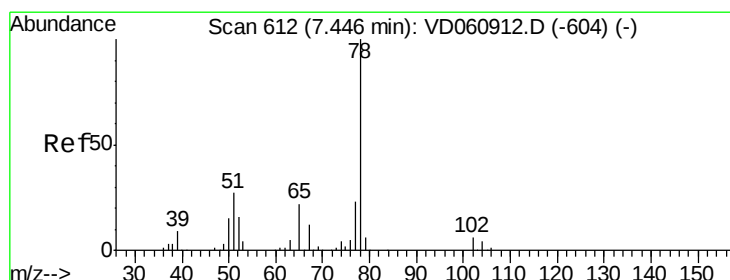
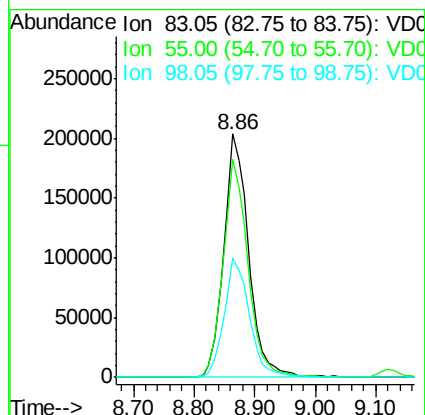
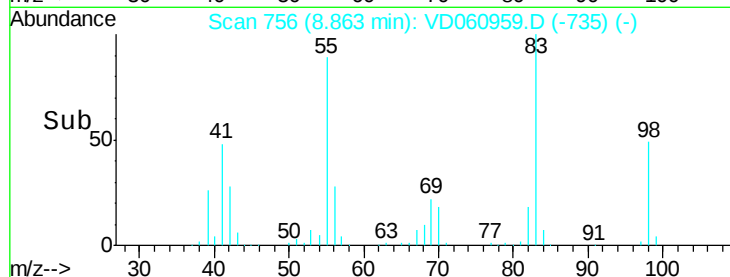
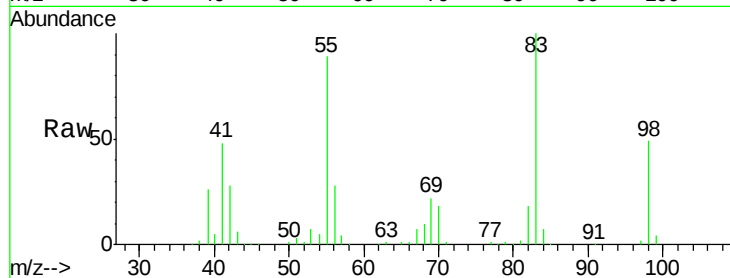
Tot Ion: 83 Resp: 582789

Ion Ratio Lower Upper

83 100

55 89.4 73.8 110.8

98 48.9 42.4 63.6



#40

Benzene

Concen: 48.500 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD060959.D

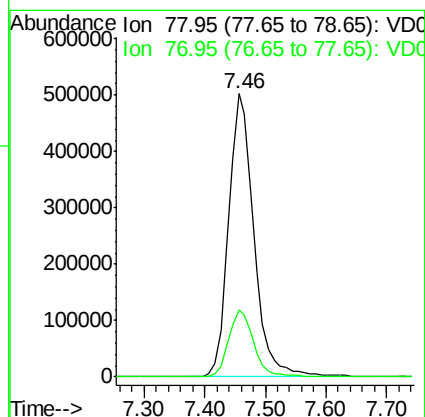
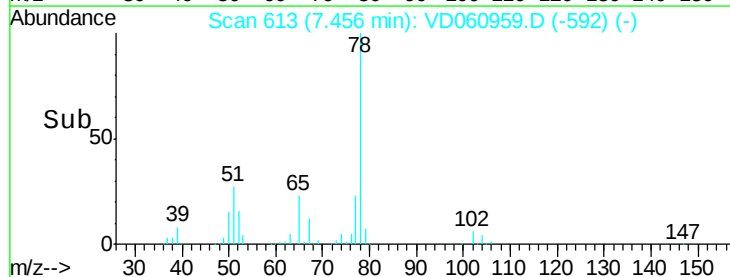
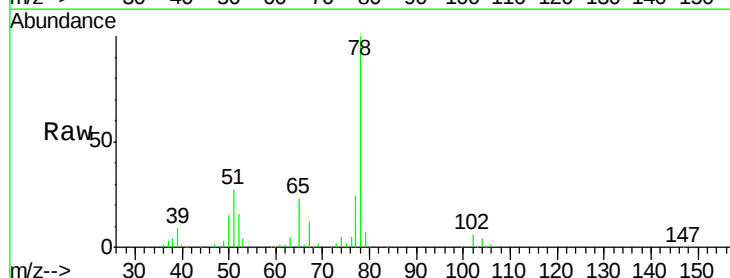
Acq: 6 Mar 2019 11:58

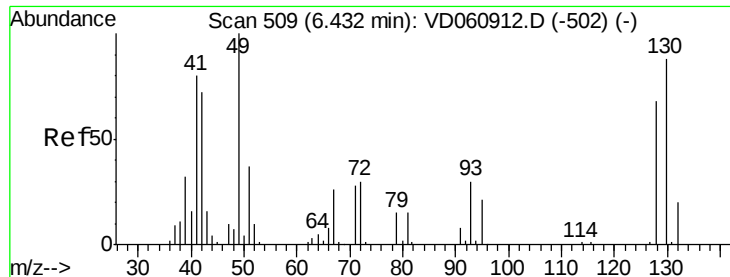
Tgt Ion: 78 Resp: 1455577

Ion Ratio Lower Upper

78 100

77 23.5 18.4 27.6





#41

Methacrylonitrile

Concen: 45.776 ug/l m

RT: 6.44 min Scan# 510

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 173243

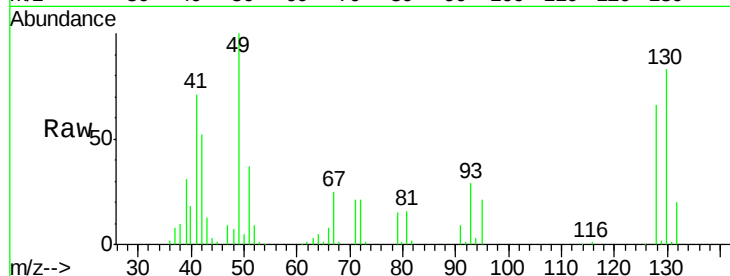
Ion Ratio Lower Upper

41 100

39 43.9 32.1 48.1

67 34.4 25.6 38.4

52 12.8 9.7 14.5

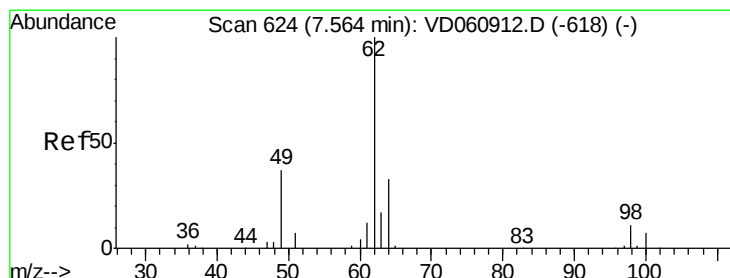
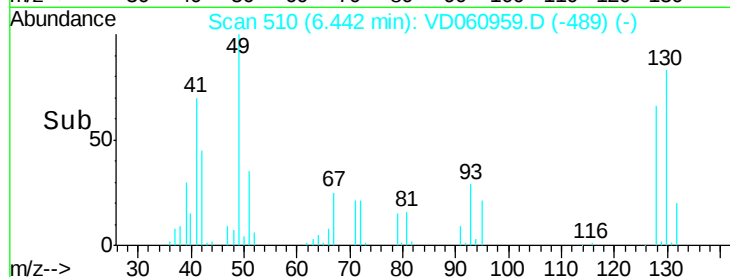
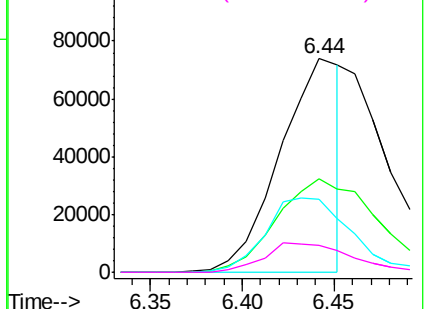


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 48.169 ug/l

RT: 7.57 min Scan# 625

Delta R.T. 0.01 min

Lab File: VD060959.D

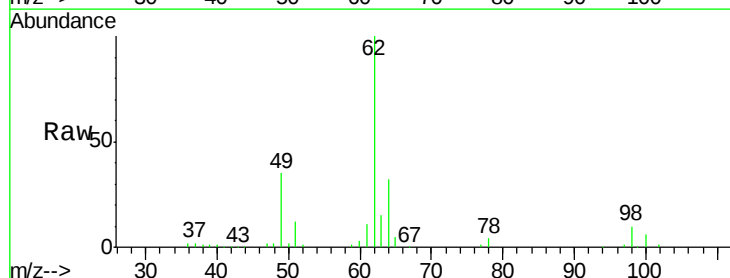
Acq: 6 Mar 2019 11:58

Tgt Ion: 62 Resp: 406754

Ion Ratio Lower Upper

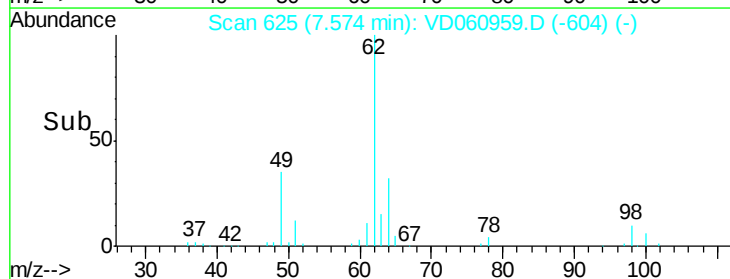
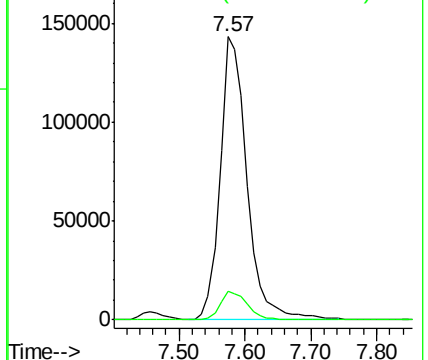
62 100

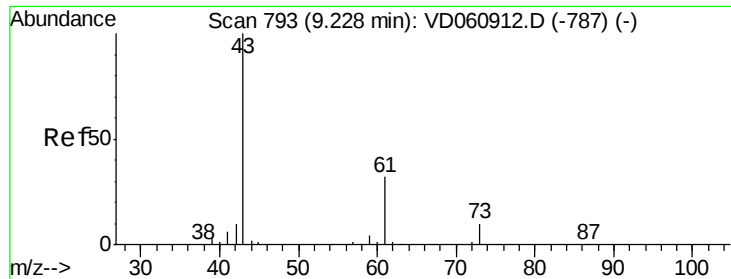
98 9.9 0.0 21.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 41.972 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

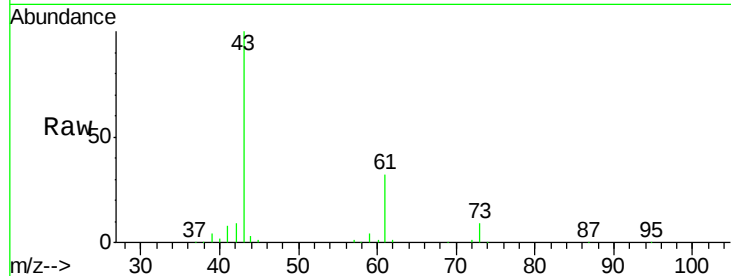
Tot Ion: 43 Resp: 354516

Ion Ratio Lower Upper

43 100

61 32.5 25.6 38.4

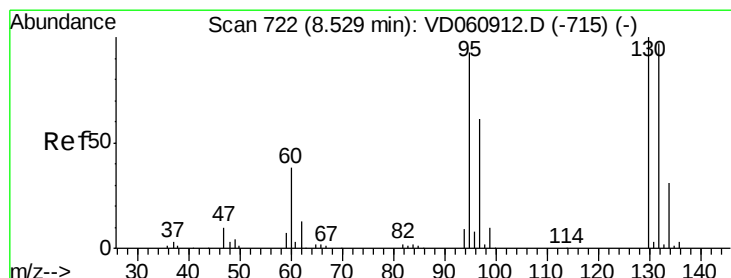
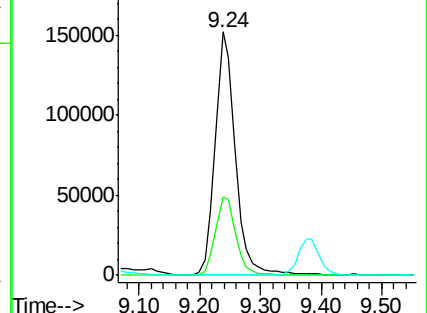
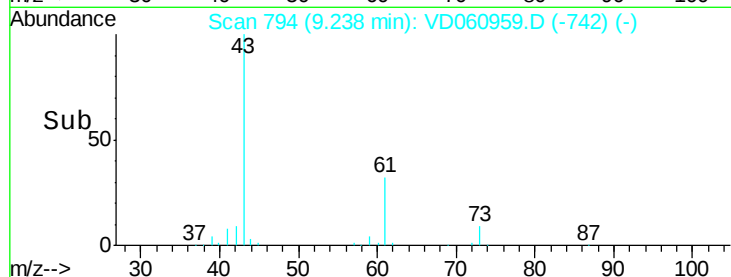
87 0.2 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.098 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.01 min

Lab File: VD060959.D

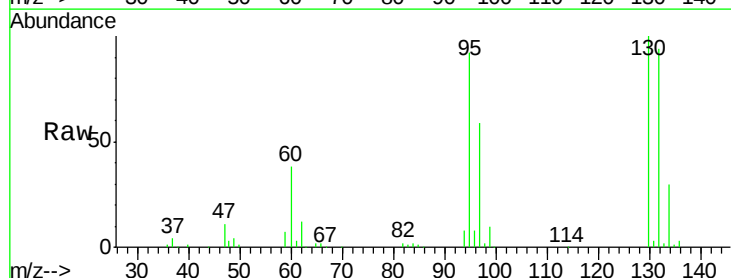
Acq: 6 Mar 2019 11:58

Tgt Ion:130 Resp: 535466

Ion Ratio Lower Upper

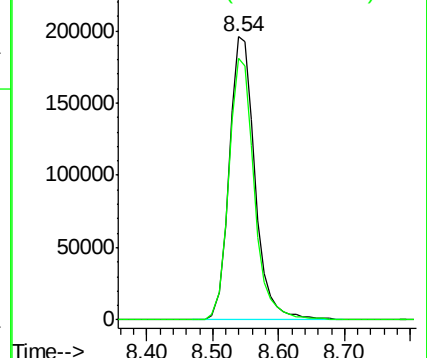
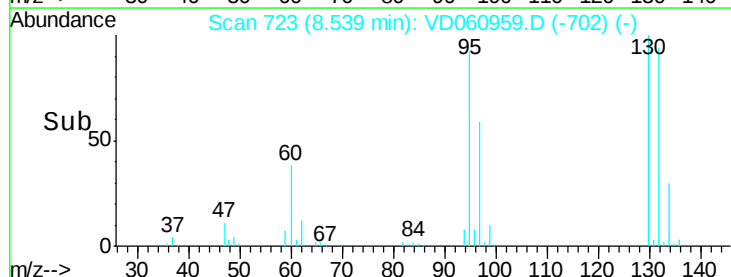
130 100

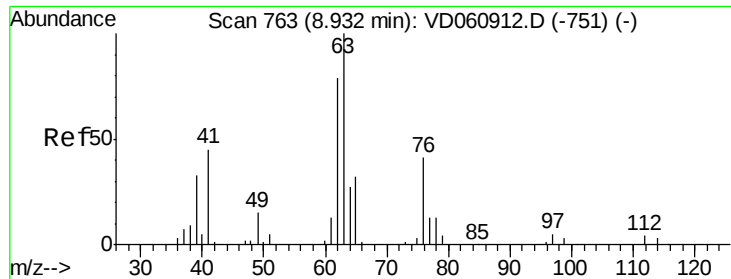
95 92.4 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.438 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

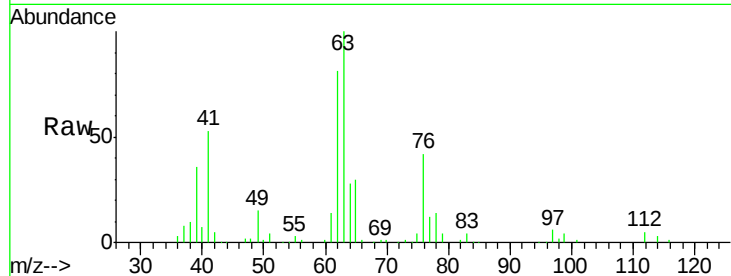
VSTDCCC050

Tot Ion: 63 Resp: 408695

Ion Ratio Lower Upper

63 100

65 29.8 25.8 38.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

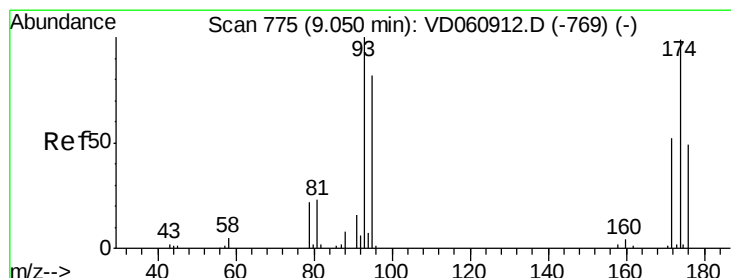
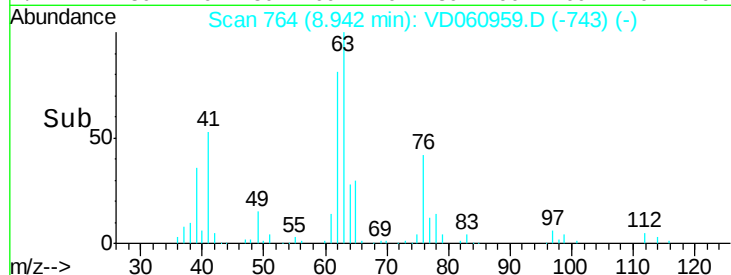
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 50.332 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

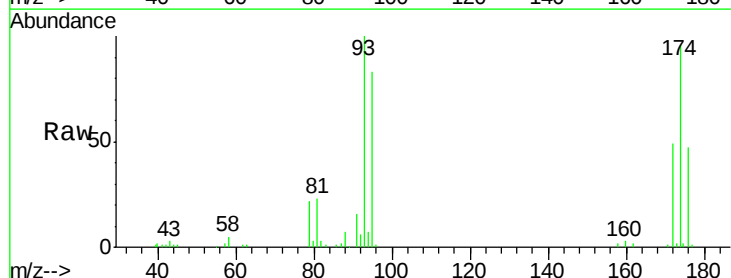
Tgt Ion: 93 Resp: 257945

Ion Ratio Lower Upper

93 100

95 83.4 65.8 98.6

174 95.8 79.5 119.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

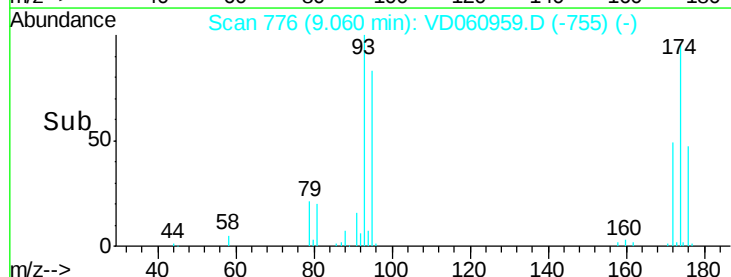
150000

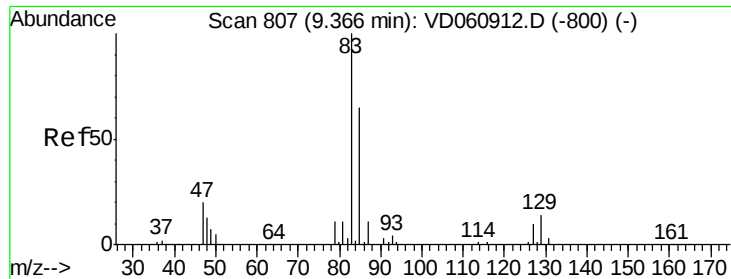
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 48.699 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

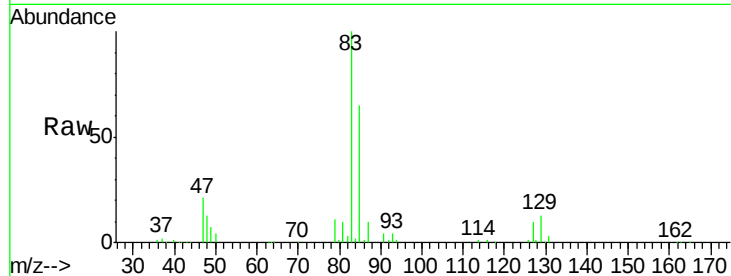
Tot Ion: 83 Resp: 544412

Ion Ratio Lower Upper

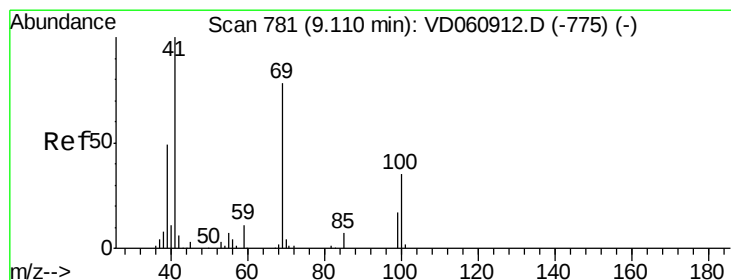
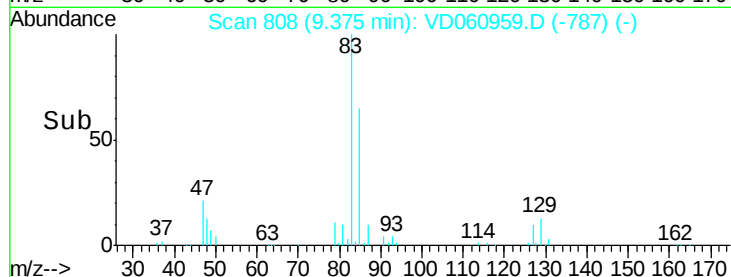
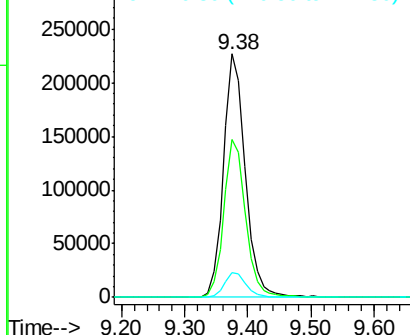
83 100

85 65.0 52.2 78.4

127 10.1 8.2 12.4



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



#48

Methyl methacrylate

Concen: 47.736 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

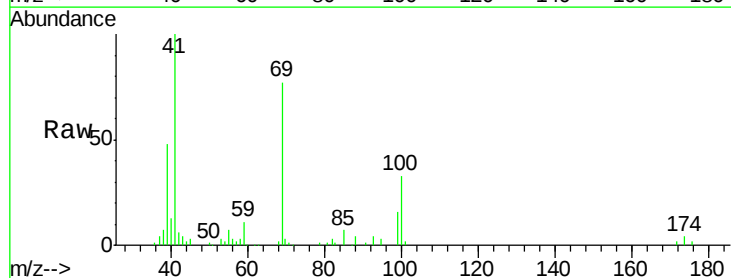
Tgt Ion: 41 Resp: 226527

Ion Ratio Lower Upper

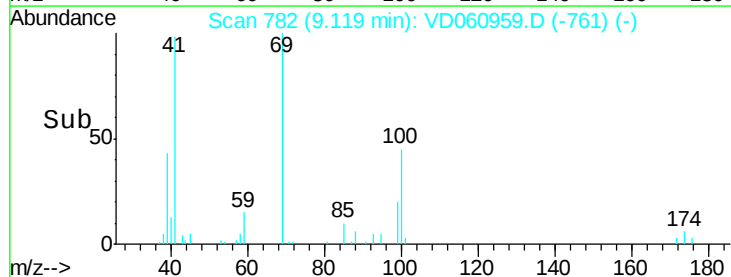
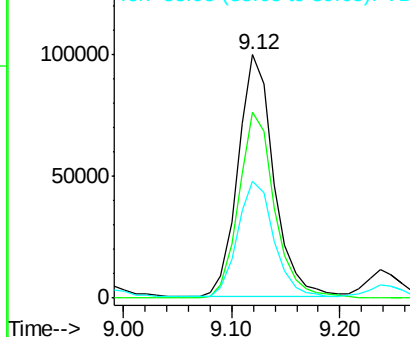
41 100

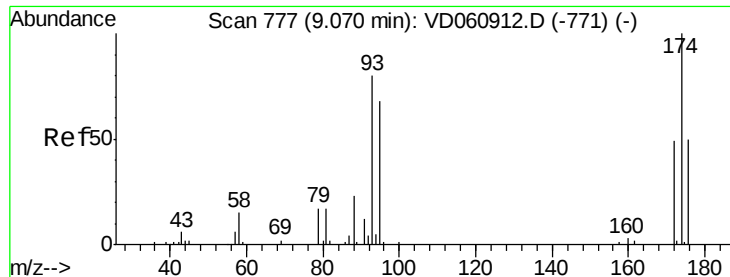
69 76.6 62.1 93.1

39 48.1 39.5 59.3



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





#49

1,4-Dioxane

Concen: 976.958 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

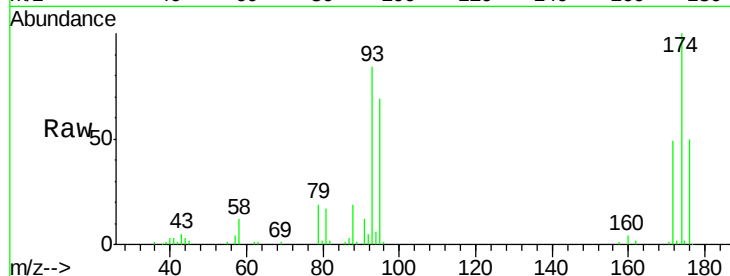
Tot Ion: 88 Resp: 48534

Ion Ratio Lower Upper

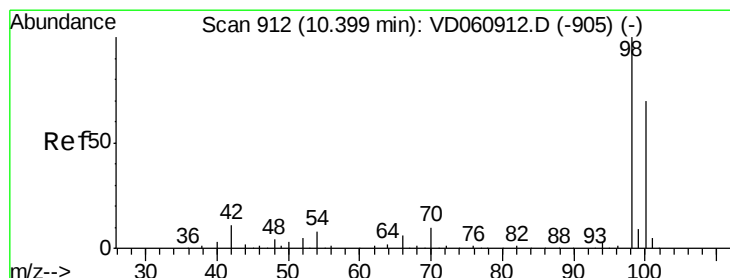
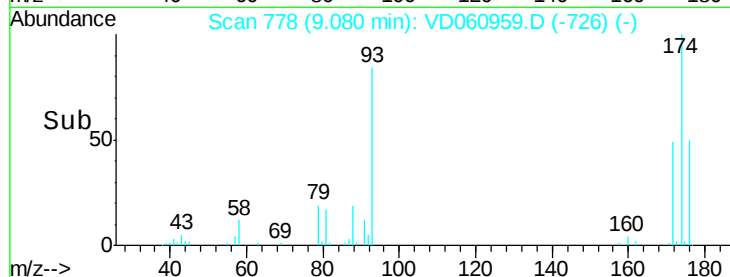
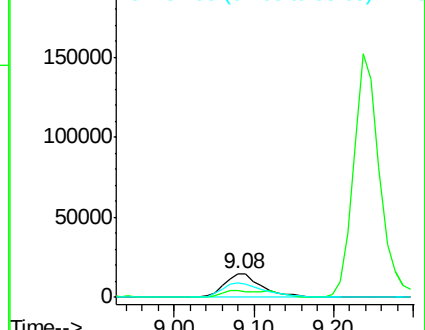
88 100

43 28.1 24.2 36.4

58 61.9 51.1 76.7



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: 976.958 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD060959.D

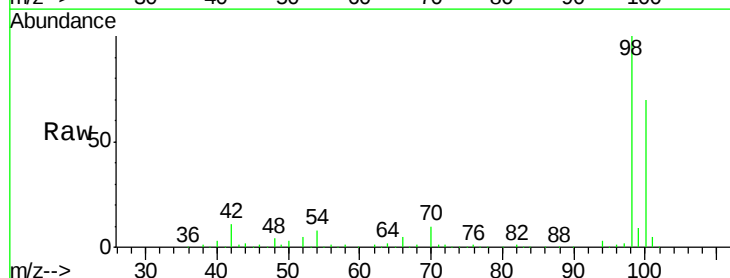
Acq: 6 Mar 2019 11:58

Tgt Ion: 98 Resp: 1296145

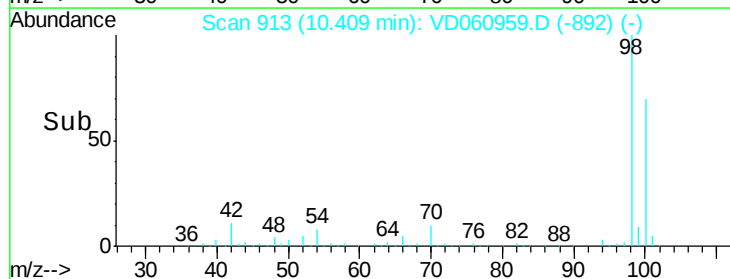
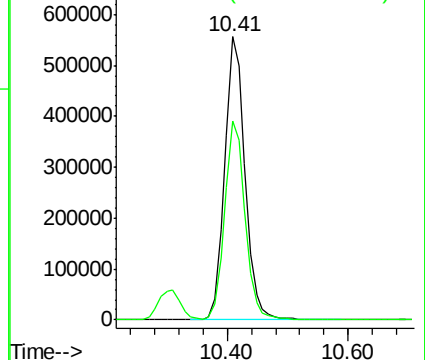
Ion Ratio Lower Upper

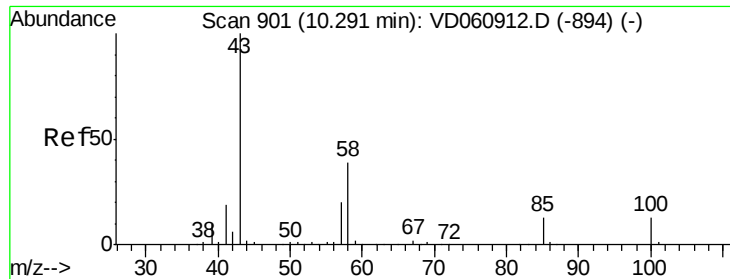
98 100

100 70.4 57.0 85.4



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: 231.230 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

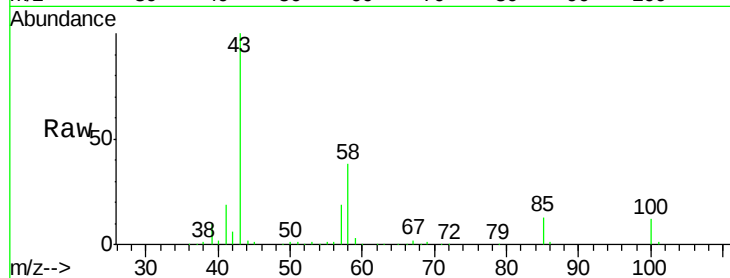
VSTDCCC050

Tot Ion: 43 Resp: 1189100

Ion Ratio Lower Upper

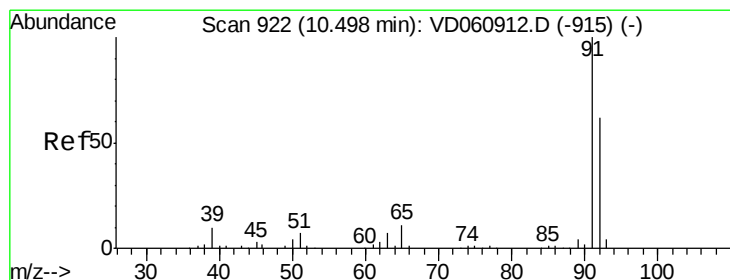
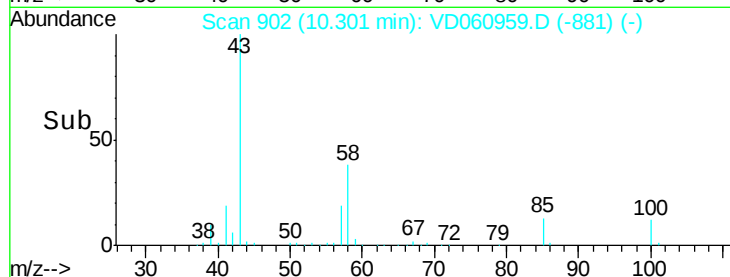
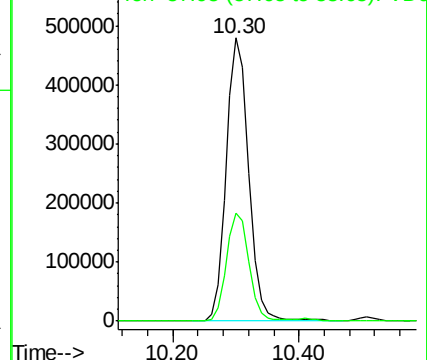
43 100

58 38.2 31.0 46.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 48.781 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD060959.D

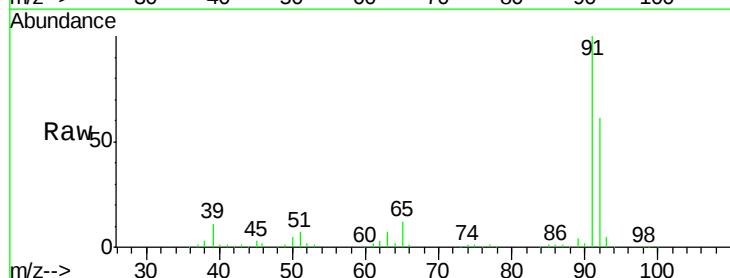
Acq: 6 Mar 2019 11:58

Tgt Ion: 92 Resp: 940575

Ion Ratio Lower Upper

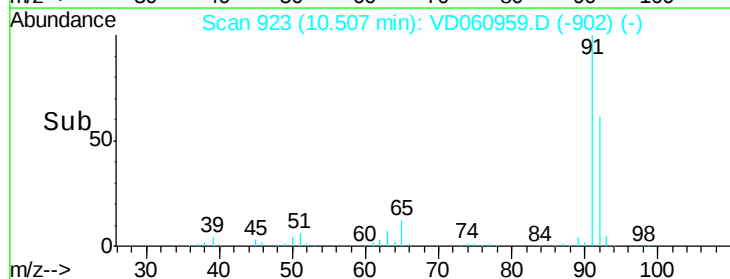
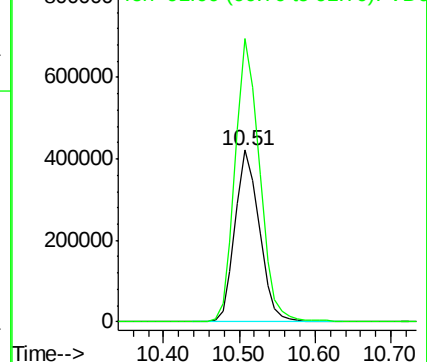
92 100

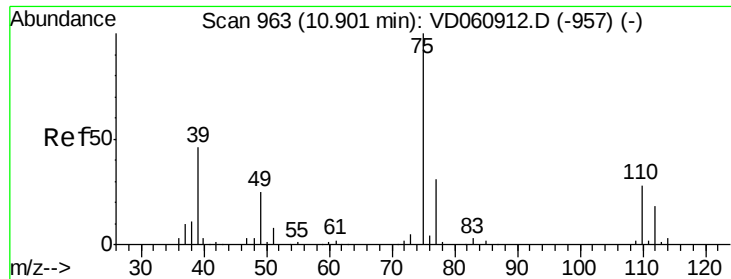
91 164.8 129.9 194.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

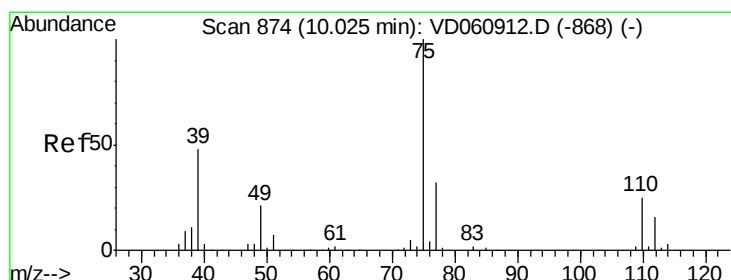
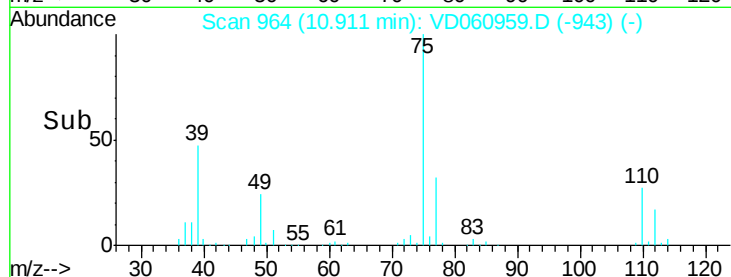
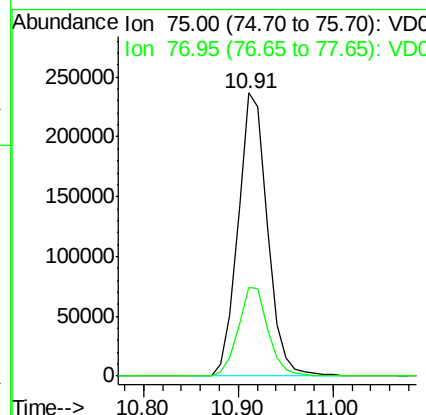
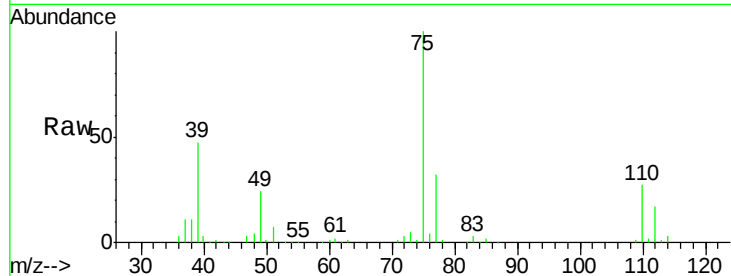




#53
t-1,3-Dichloropropene
Concen: 49.382 ug/l
RT: 10.91 min Scan# 964
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

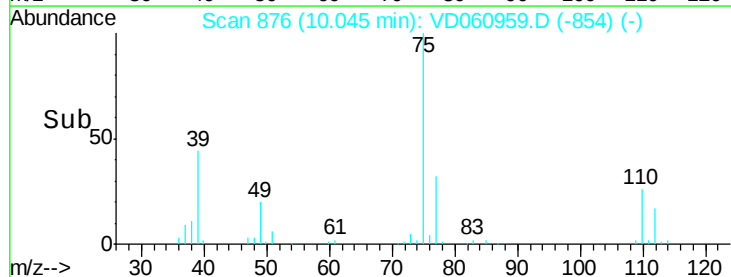
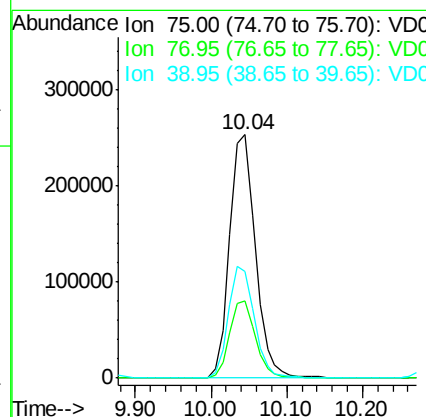
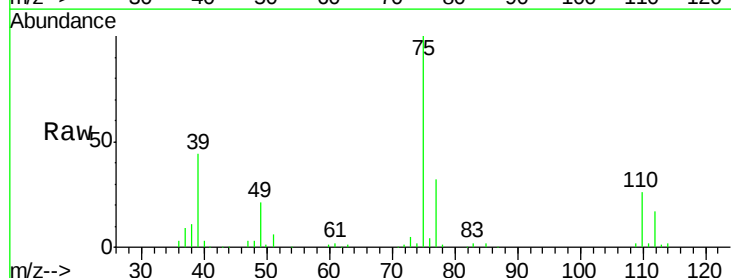
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

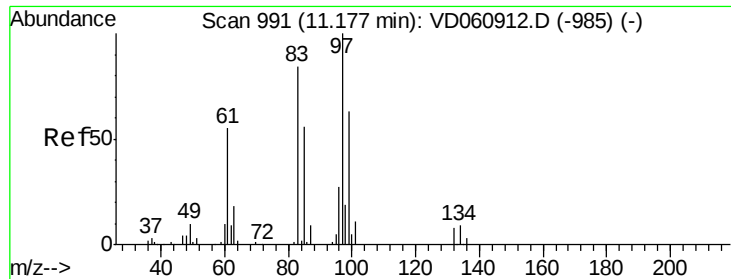
Tot Ion: 75 Resp: 508012
Ion Ratio Lower Upper
75 100
77 31.6 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 46.993 ug/l
RT: 10.04 min Scan# 876
Delta R.T. 0.02 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Tgt Ion: 75 Resp: 599450
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9
39 43.8 38.2 57.4

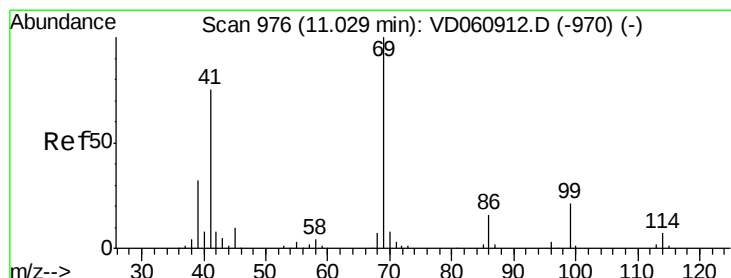
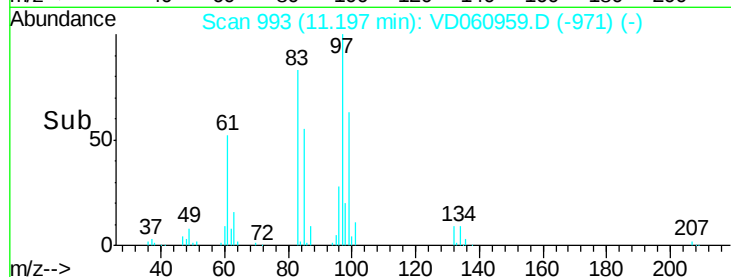
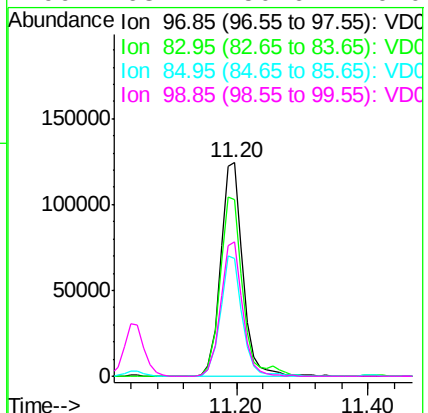
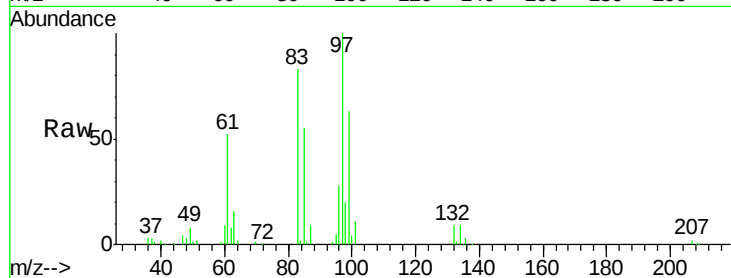




#55
 1,1,2-Trichloroethane
 Concen: 45.628 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

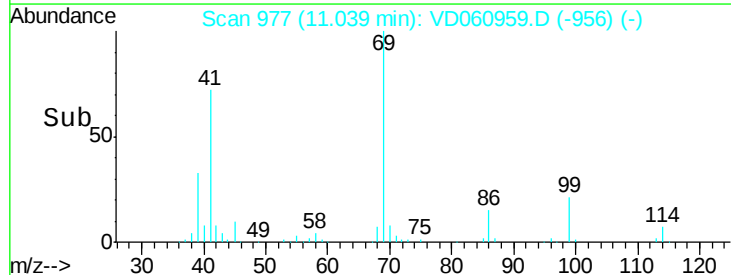
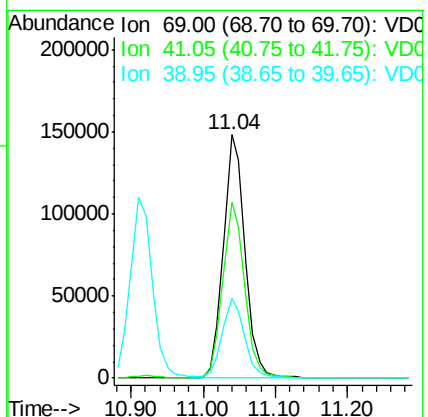
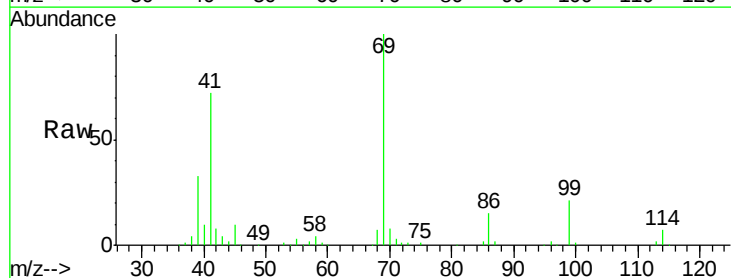
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

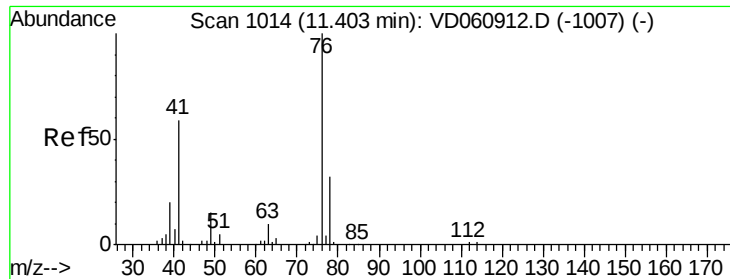
Tot Ion:	97	Resp:	290939
Ion	Ratio	Lower	Upper
97	100		
83	82.6	67.5	101.3
85	55.3	44.9	67.3
99	63.2	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 45.480 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

Tgt Ion:	69	Resp:	307432
Ion	Ratio	Lower	Upper
69	100		
41	72.0	59.9	89.9
39	32.9	25.7	38.5

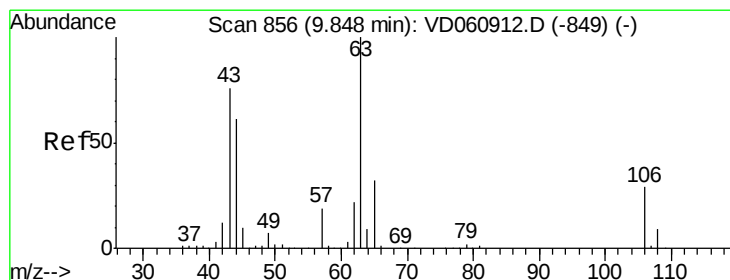
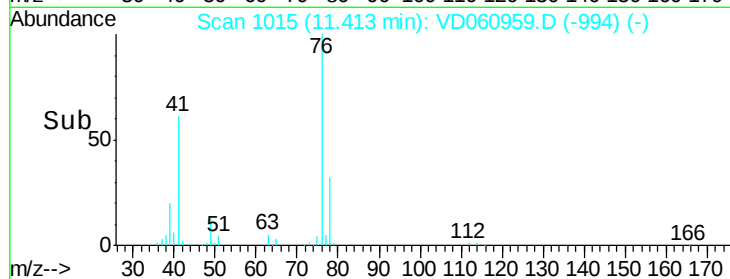
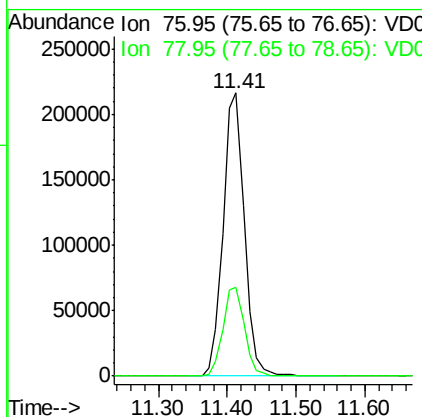
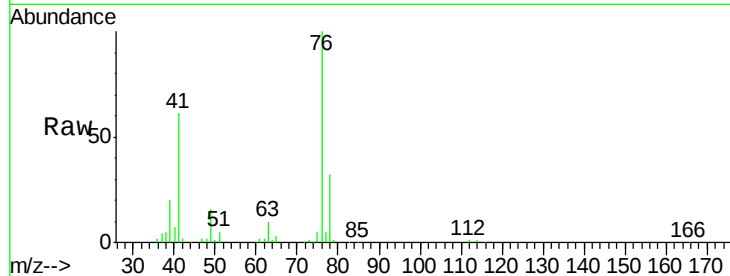




#57
 1,3-Dichloropropane
 Concen: 49.786 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

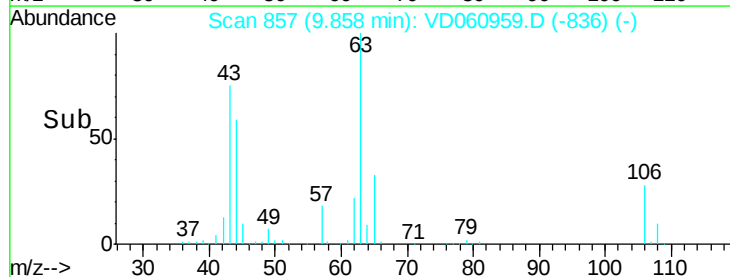
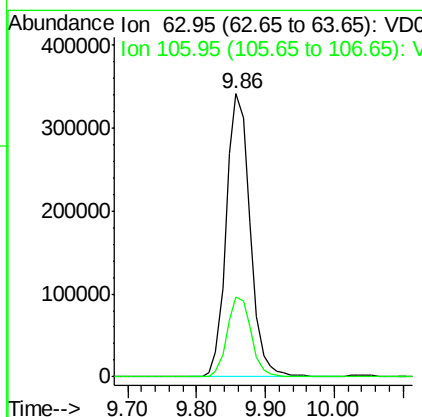
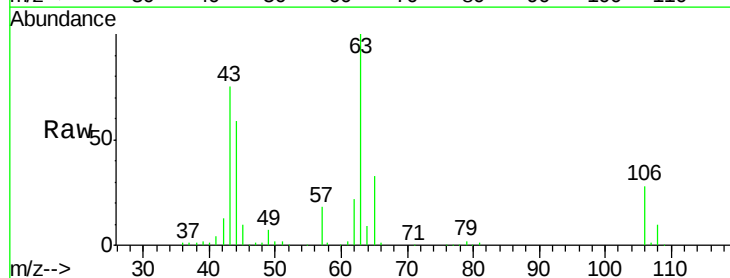
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

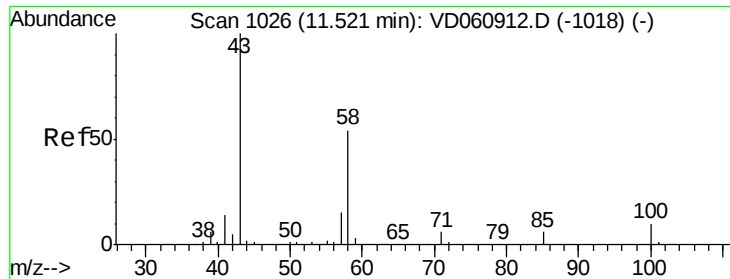
Tot Ion: 76 Resp: 461546
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.415 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

Tgt Ion: 63 Resp: 817395
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.0 34.6

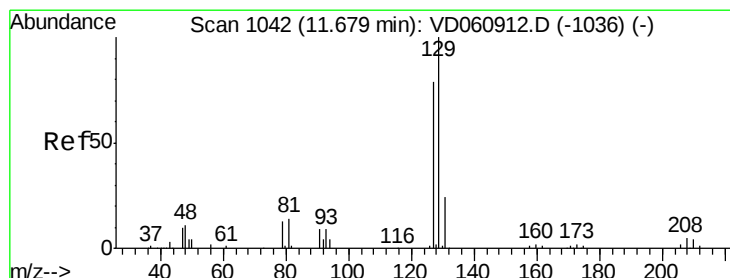
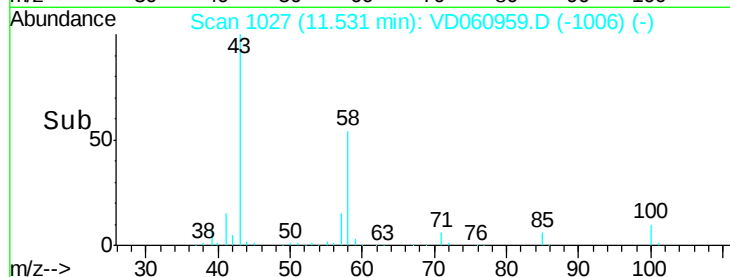
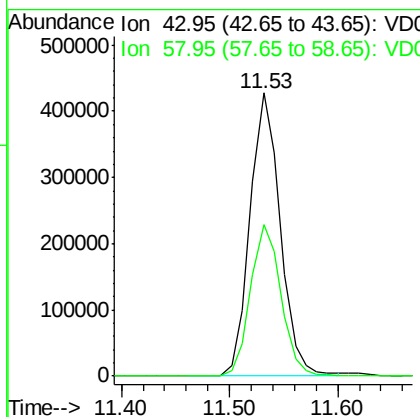
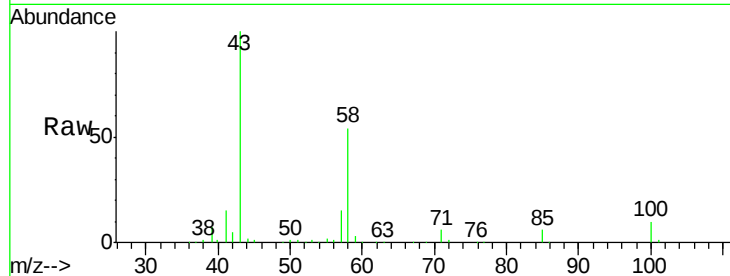




#59
2-Hexanone
Concen: 230.560 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

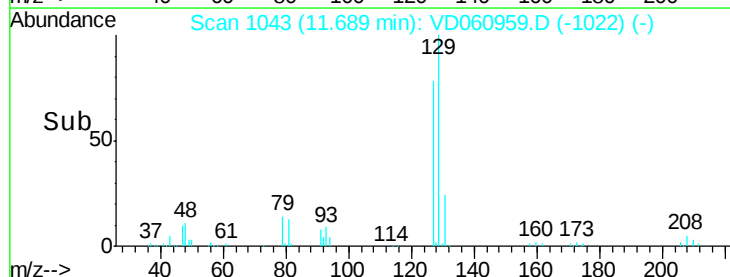
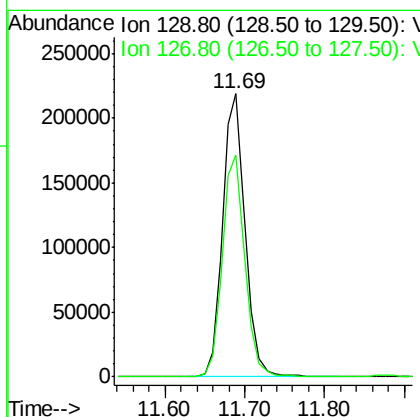
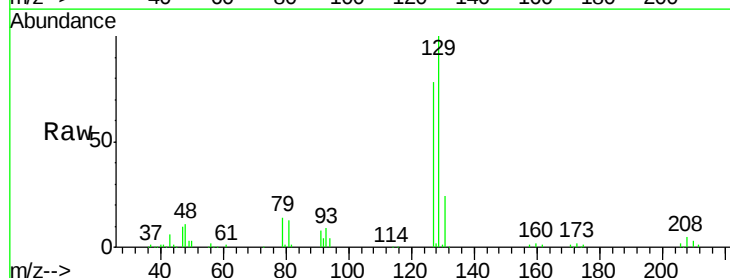
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

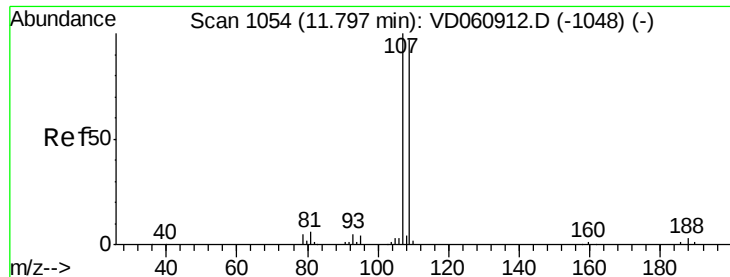
Tot Ion: 43 Resp: 831140
Ion Ratio Lower Upper
43 100
58 53.7 27.2 81.5



#60
Dibromochloromethane
Concen: 47.355 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Tgt Ion: 129 Resp: 435488
Ion Ratio Lower Upper
129 100
127 78.3 39.4 118.1





#61

1,2-Dibromoethane

Concen: 49.488 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

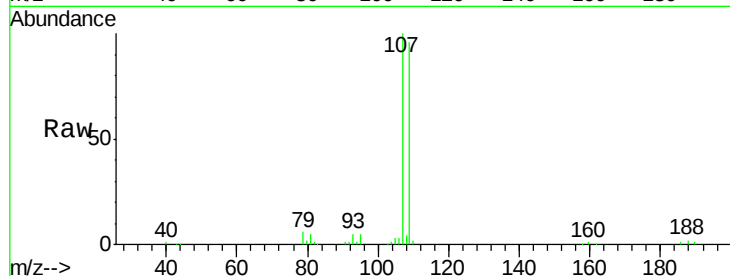
VSTDCCC050

Tot Ion:107 Resp: 370712

Ion Ratio Lower Upper

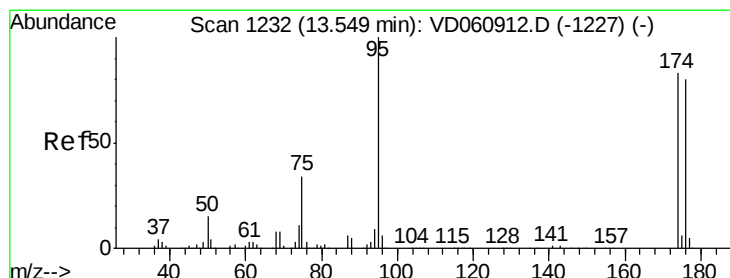
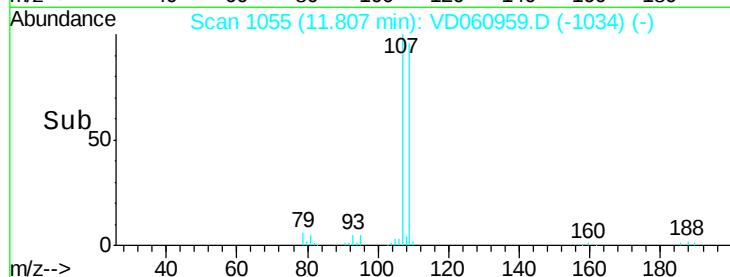
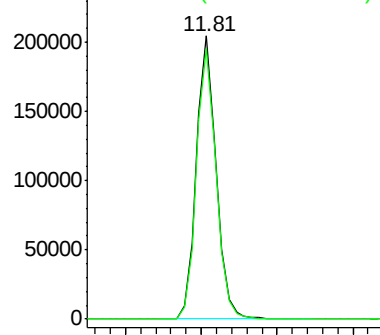
107 100

109 95.8 78.0 117.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 49.488 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

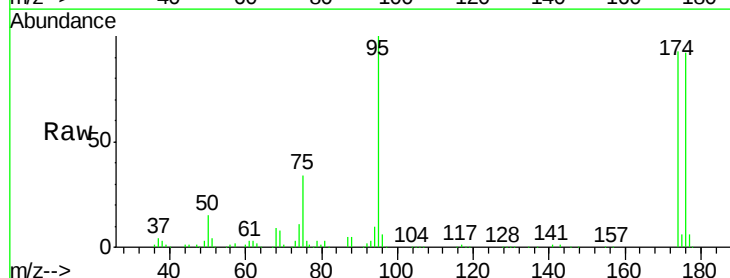
Tgt Ion: 95 Resp: 452203

Ion Ratio Lower Upper

95 100

174 93.3 0.0 165.6

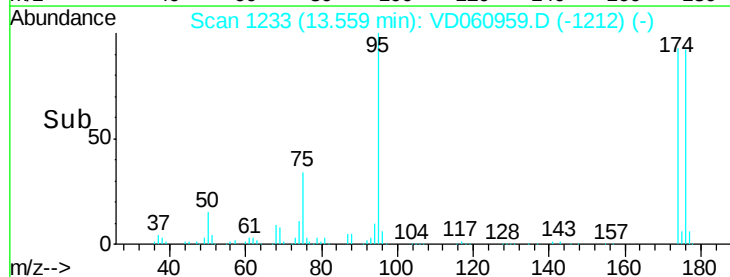
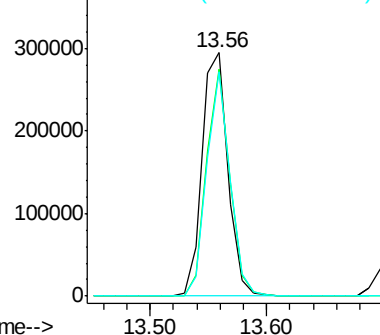
176 91.9 0.0 160.6

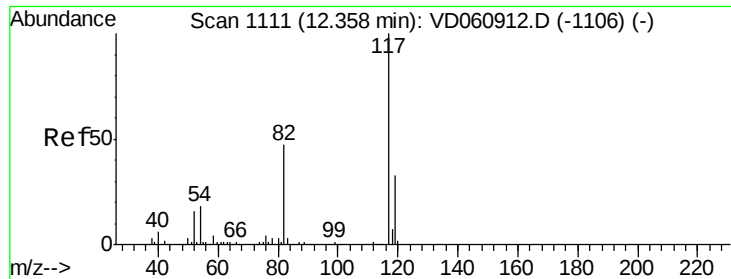


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

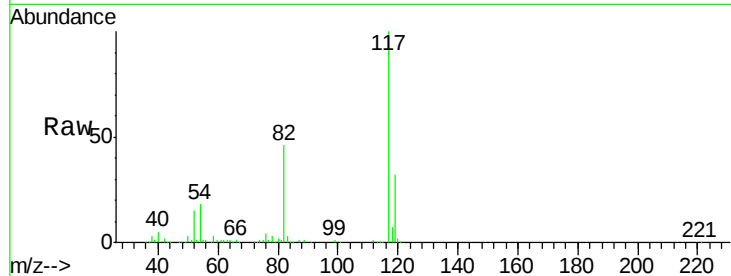




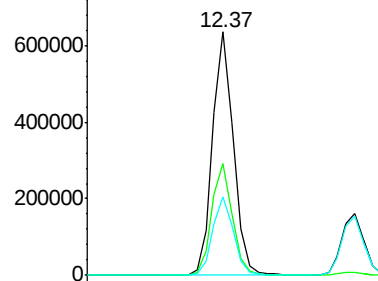
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

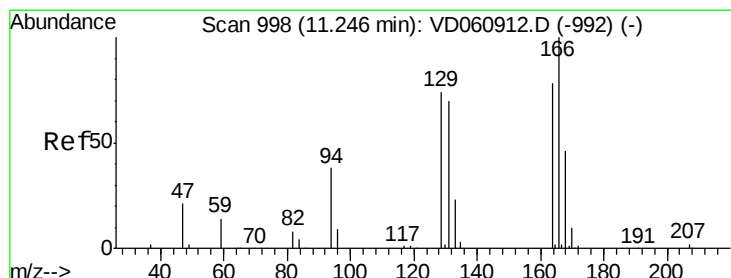
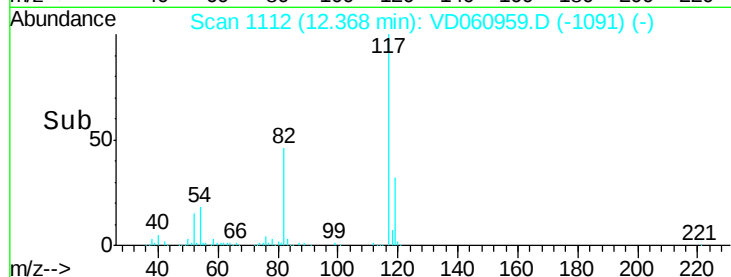
Tot Ion:117 Resp: 1039581
Ion Ratio Lower Upper
117 100
82 46.1 37.5 56.3
119 32.0 26.2 39.2



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

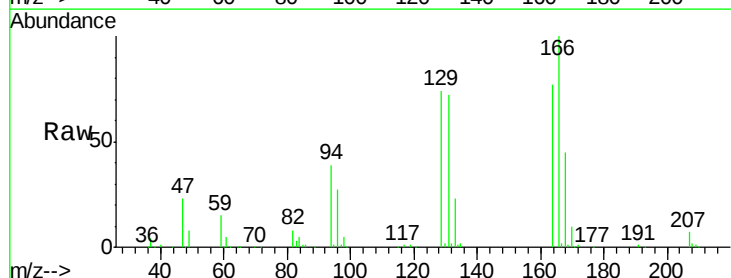


Time-->

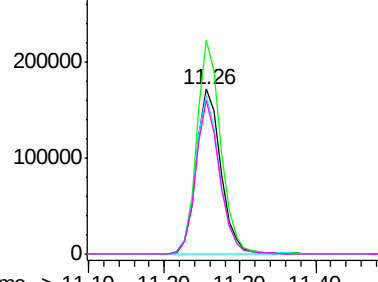


#64
Tetrachloroethene
Concen: 48.584 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

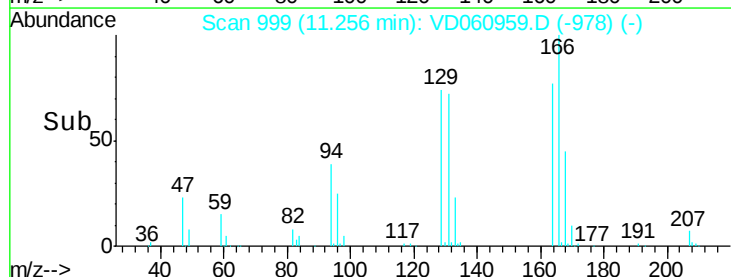
Tgt Ion:164 Resp: 386627
Ion Ratio Lower Upper
164 100
166 129.6 102.3 153.5
129 96.0 75.6 113.4
131 93.1 72.0 108.0

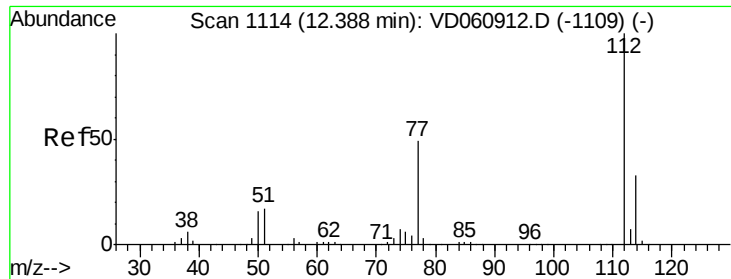


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



Time-->

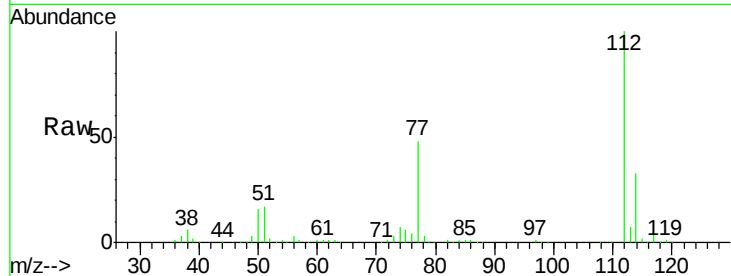




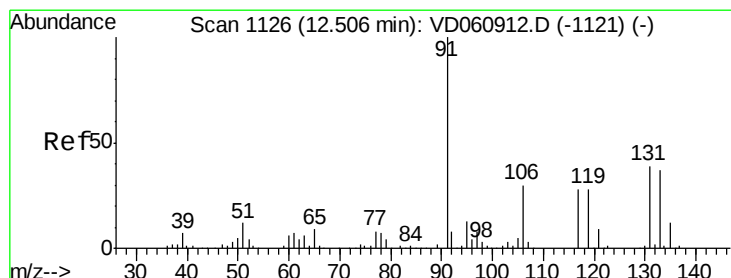
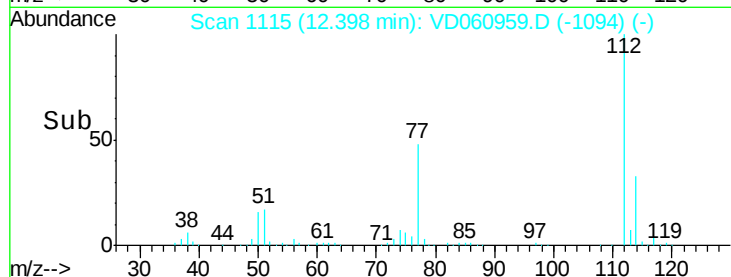
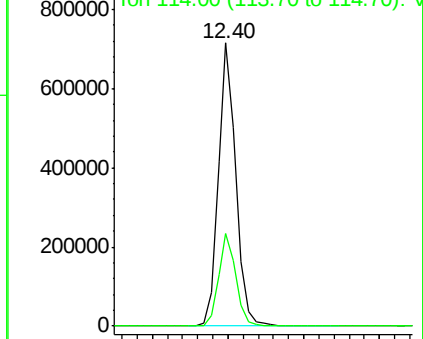
#65
Chlorobenzene
Concen: 49.810 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1152863
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

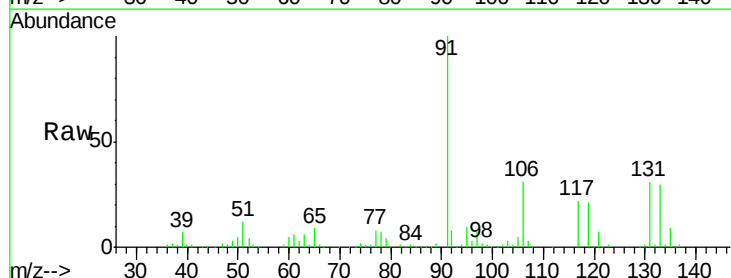


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

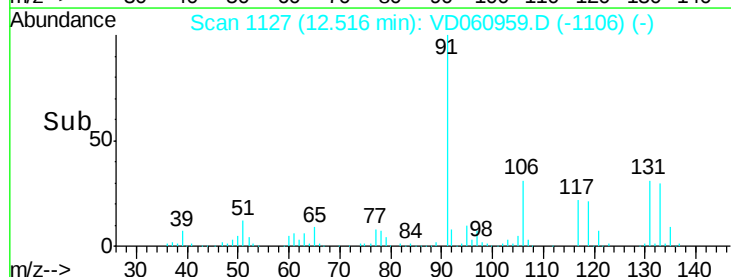
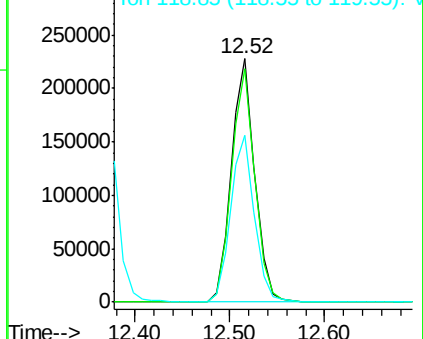


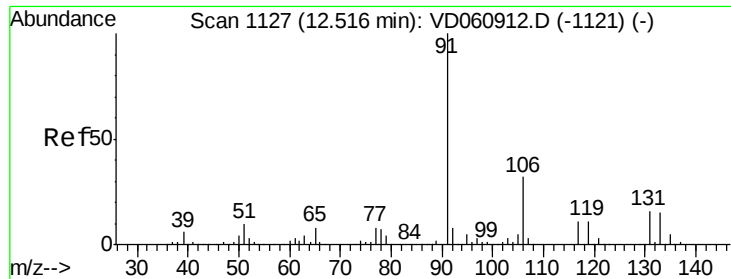
#66
1,1,1,2-Tetrachloroethane
Concen: 46.848 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Tgt Ion:131 Resp: 389100
Ion Ratio Lower Upper
131 100
133 95.7 47.4 142.3
119 68.6 36.0 108.1



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

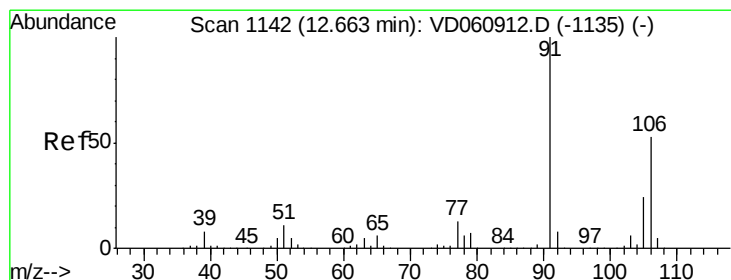
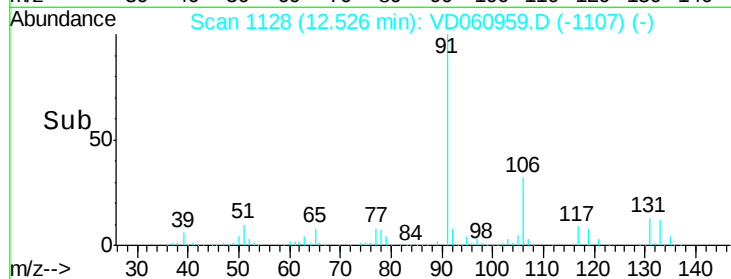
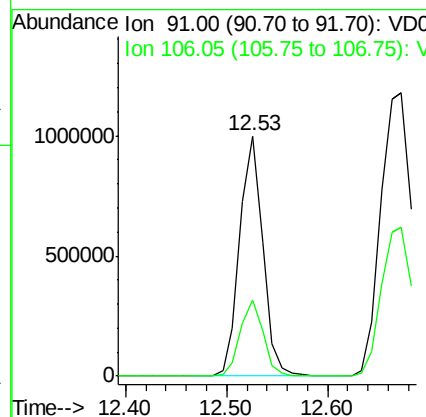
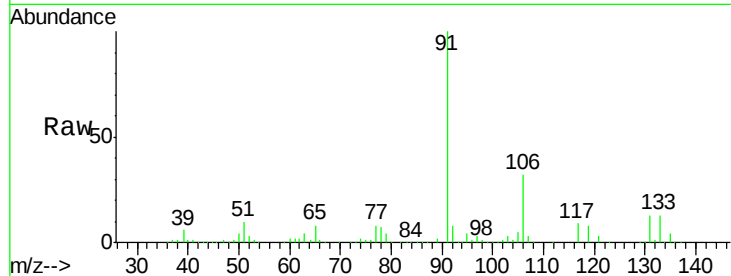




#67
Ethyl Benzene
Concen: 47.337 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

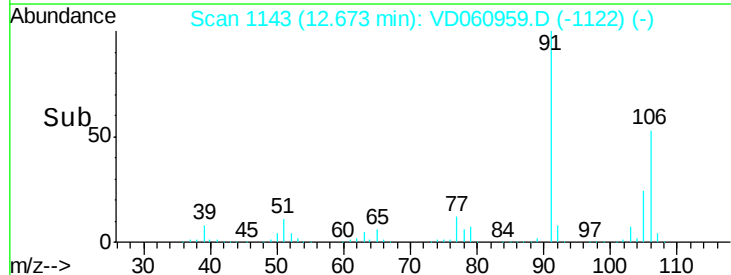
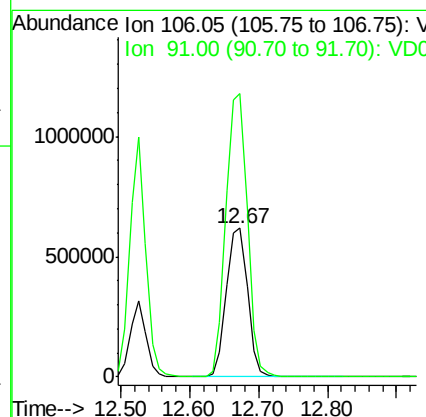
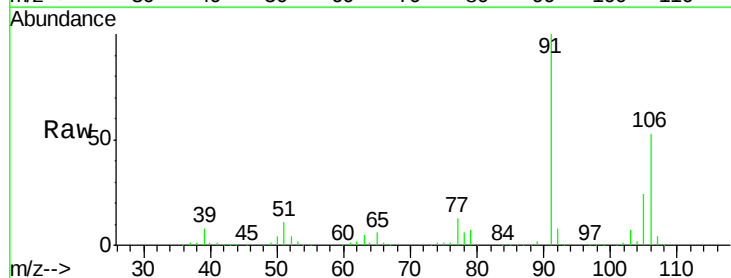
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

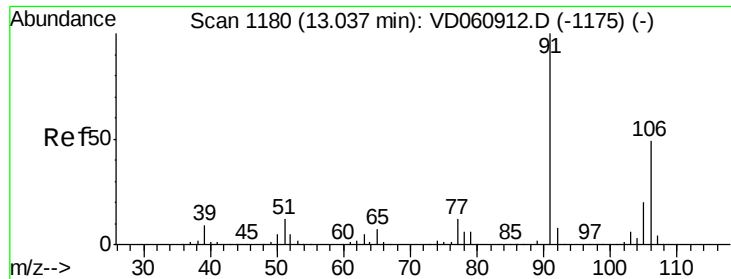
Tot Ion: 91 Resp: 1595290
Ion Ratio Lower Upper
91 100
106 31.9 25.8 38.6



#68
m/p-Xylenes
Concen: 98.525 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Tgt Ion: 106 Resp: 1326585
Ion Ratio Lower Upper
106 100
91 190.2 150.2 225.4

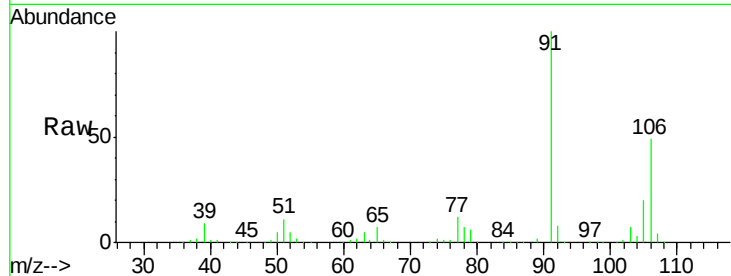




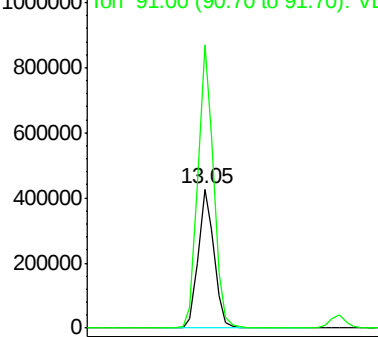
#69
o-Xylene
Concen: 50.925 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

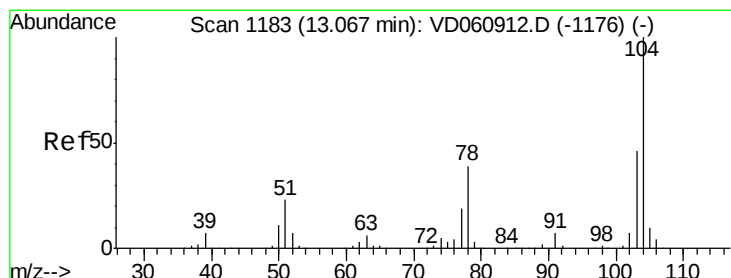
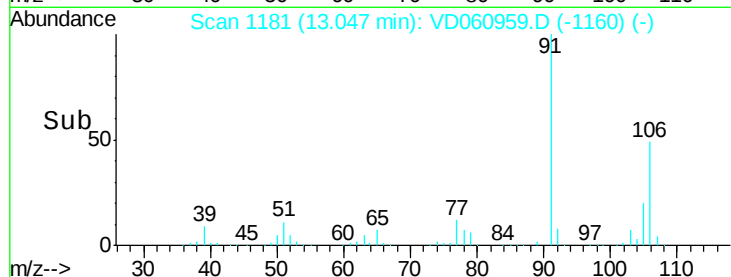
Tot Ion:106 Resp: 644098
Ion Ratio Lower Upper
106 100
91 203.8 102.9 308.7



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

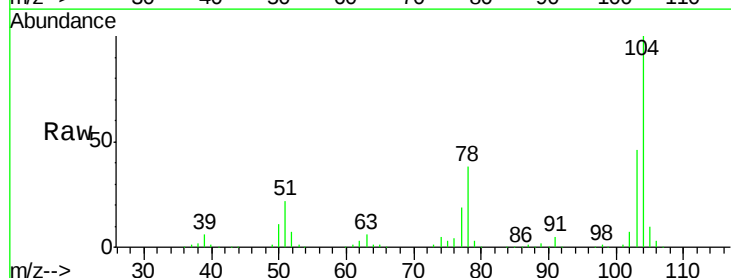


Time--> 12.90 13.00 13.10 13.20

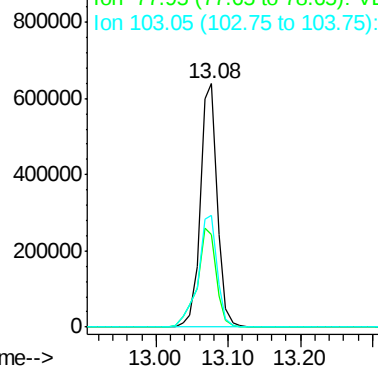


#70
Styrene
Concen: 49.104 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

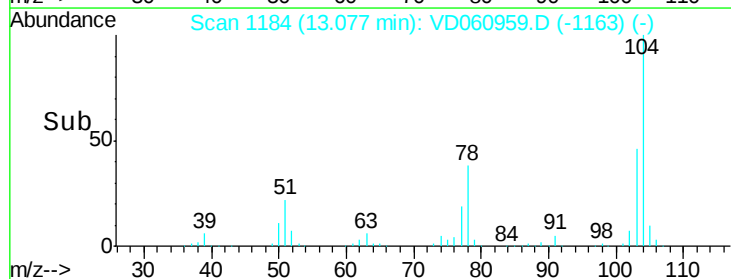
Tgt Ion:104 Resp: 1036186
Ion Ratio Lower Upper
104 100
78 37.8 31.0 46.4
103 46.1 36.5 54.7

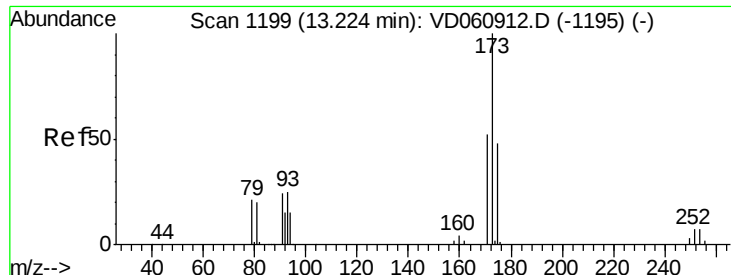


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time--> 13.00 13.10 13.20

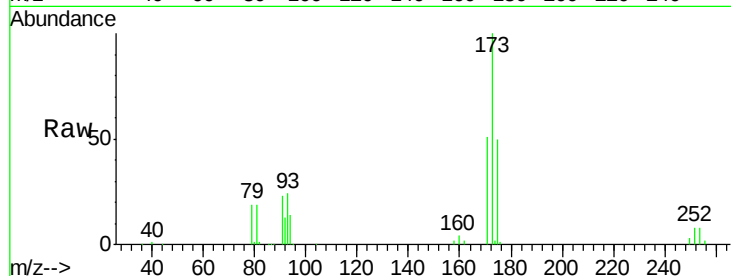




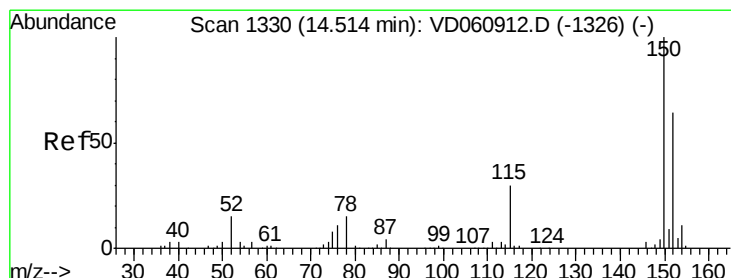
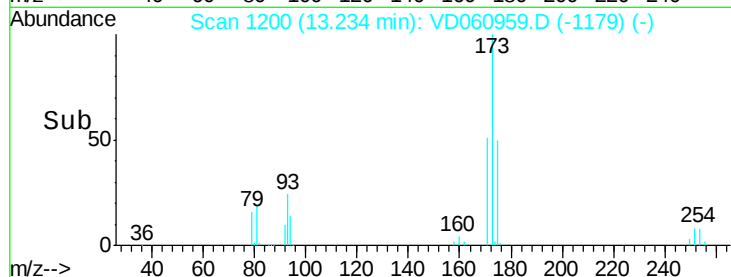
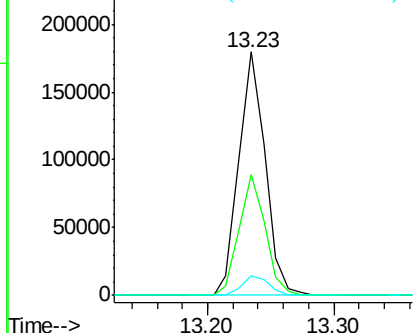
#71
Bromoform
Concen: 49.327 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 259309
Ion Ratio Lower Upper
173 100
175 49.7 24.1 72.3
254 8.3 5.6 8.4

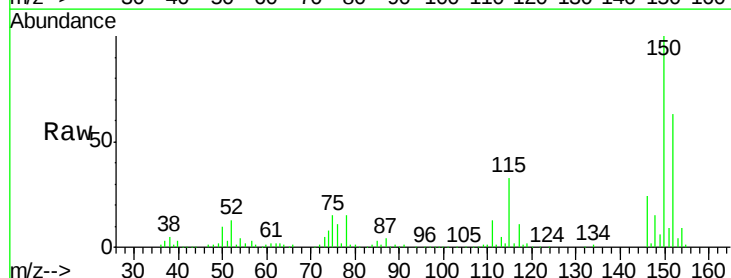


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

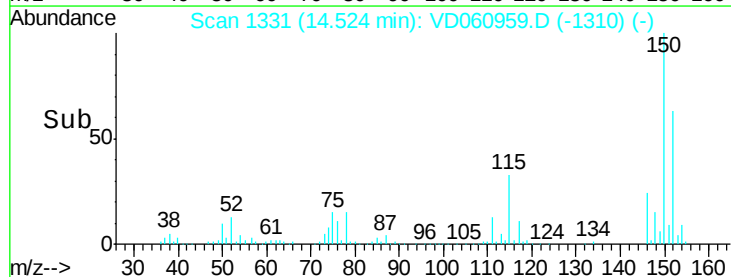
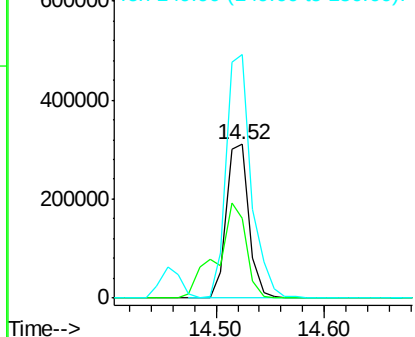


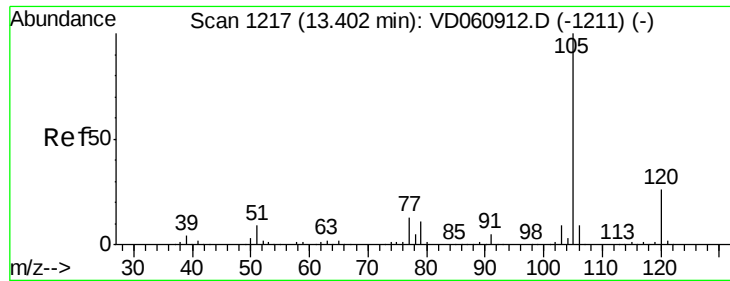
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Tgt Ion:152 Resp: 451496
Ion Ratio Lower Upper
152 100
115 51.5 27.6 82.8
150 158.2 0.0 312.8



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





#73

Isopropylbenzene

Concen: 51.089 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

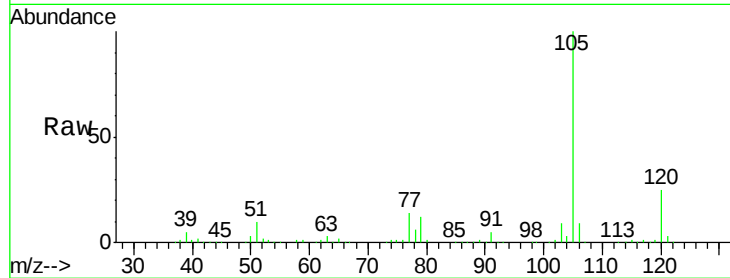
VSTDCCC050

Tot Ion:105 Resp: 1782158

Ion Ratio Lower Upper

105 100

120 25.3 12.9 38.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

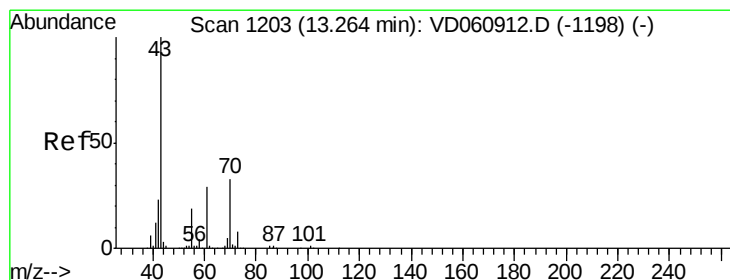
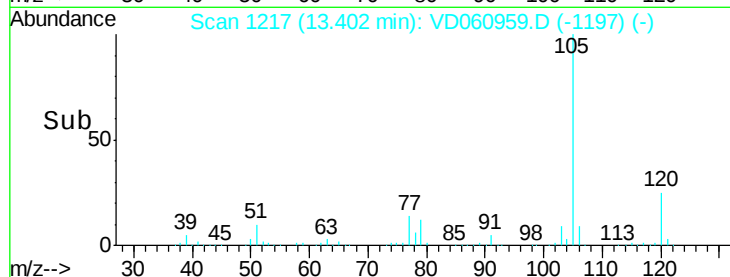
13.40

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 45.377 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Tgt Ion: 43 Resp: 472842

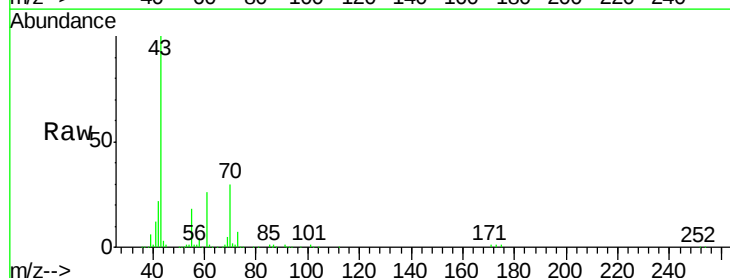
Ion Ratio Lower Upper

43 100

70 30.0 26.3 39.5

55 18.2 15.4 23.2

61 26.5 23.4 35.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

500000

400000

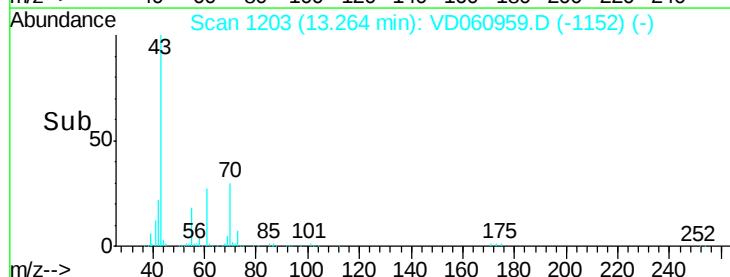
300000

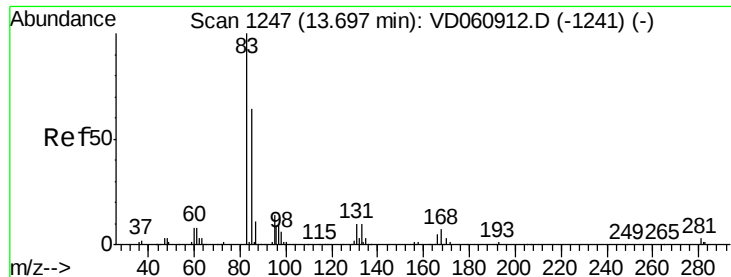
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.440 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

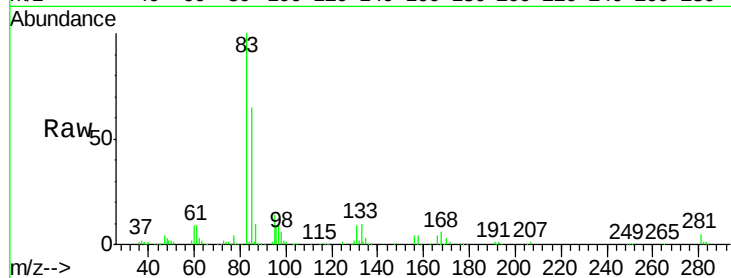
Tot Ion: 83 Resp: 328743

Ion Ratio Lower Upper

83 100

131 8.9 5.1 15.2

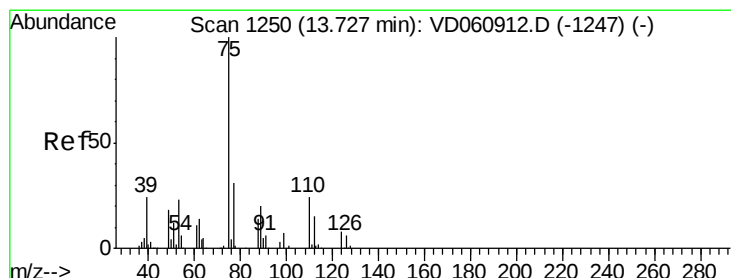
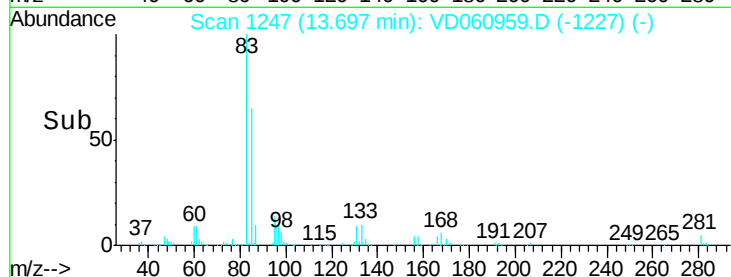
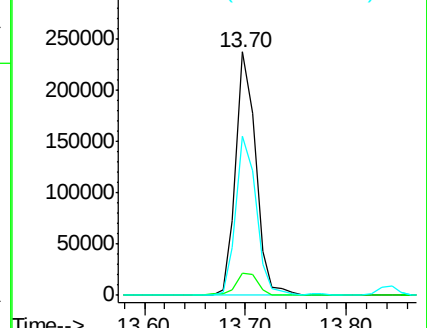
85 65.3 32.3 96.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 46.669 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD060959.D

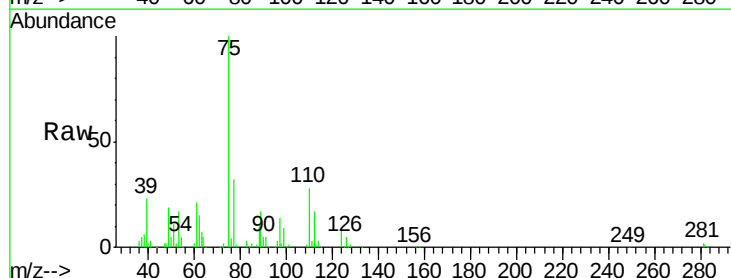
Acq: 6 Mar 2019 11:58

Tgt Ion: 75 Resp: 341409

Ion Ratio Lower Upper

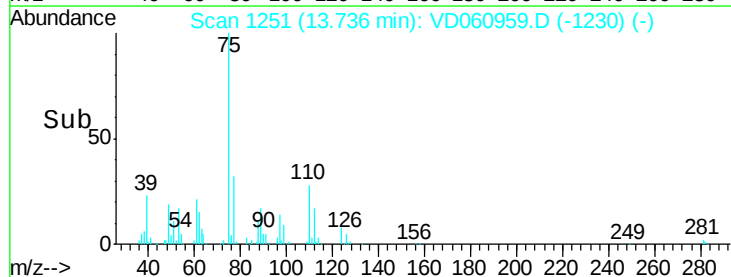
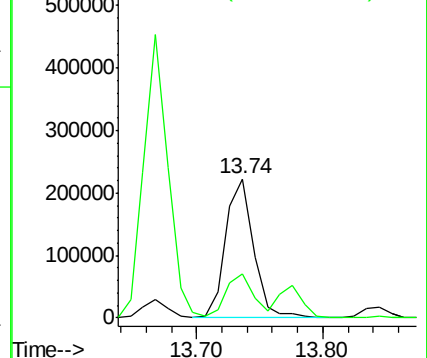
75 100

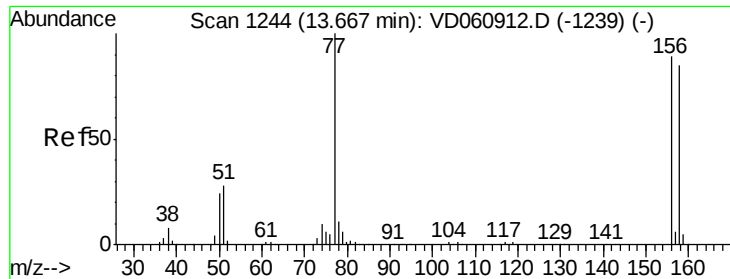
77 32.0 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.506 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

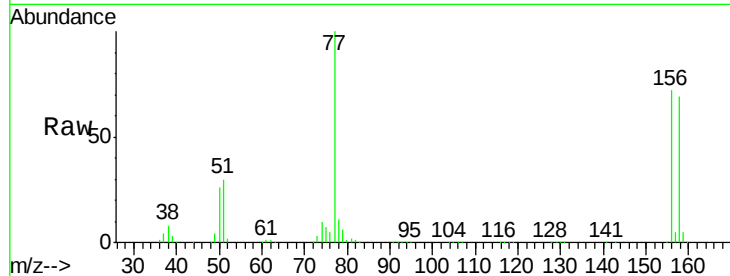
Tot Ion:156 Resp: 460511

Ion Ratio Lower Upper

156 100

77 138.3 56.4 169.2

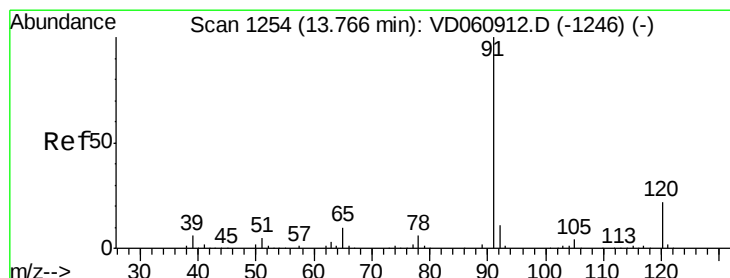
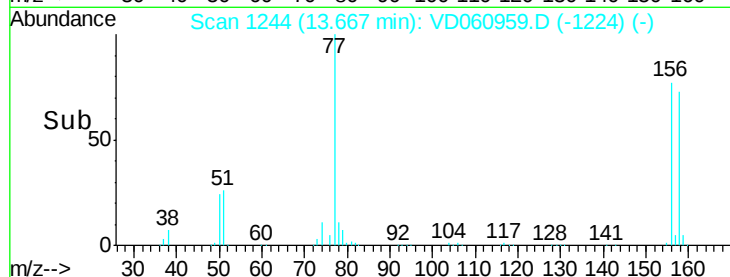
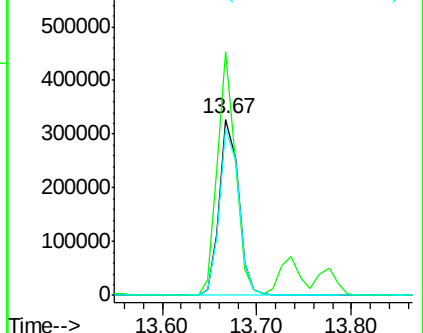
158 95.1 48.0 144.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.397 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD060959.D

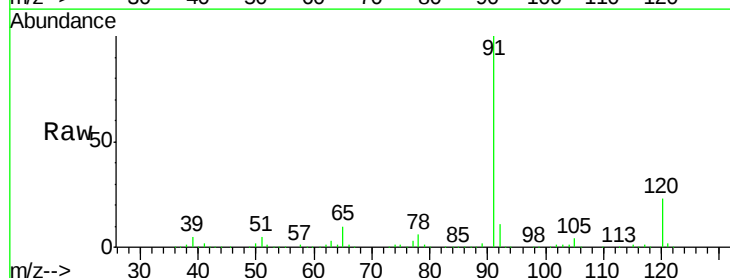
Acq: 6 Mar 2019 11:58

Tgt Ion: 91 Resp: 2062757

Ion Ratio Lower Upper

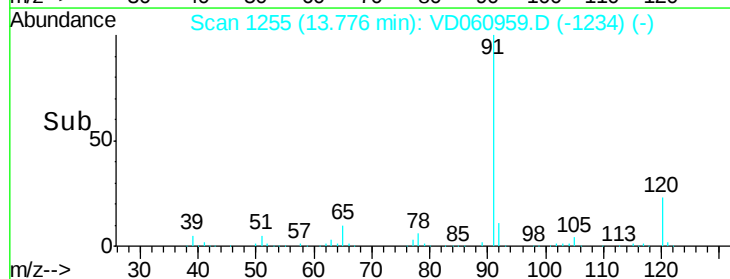
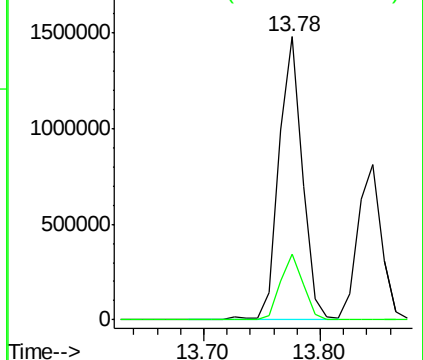
91 100

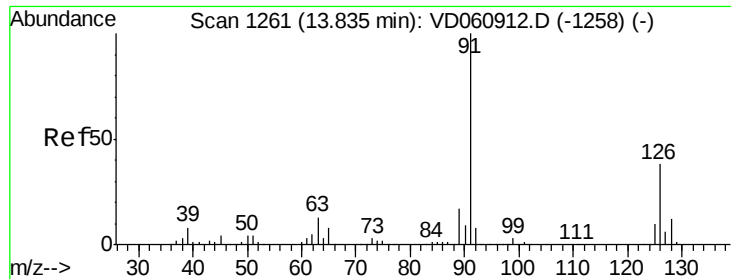
120 23.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

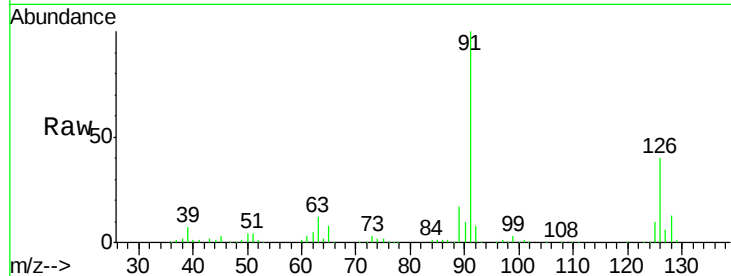




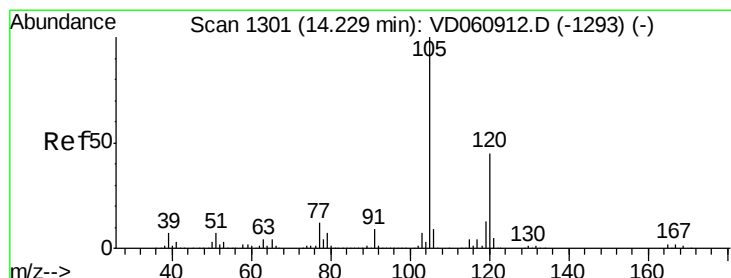
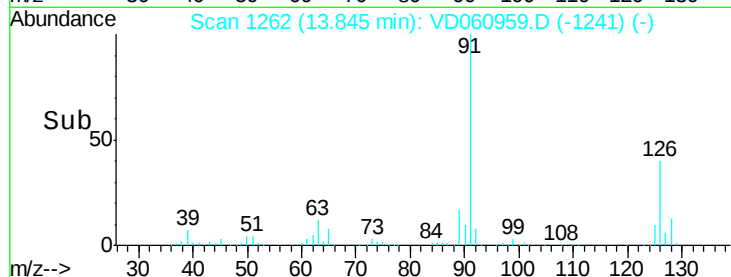
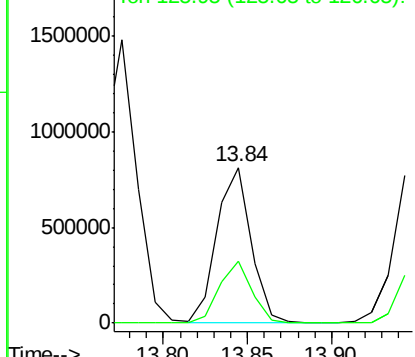
#79
2-Chlorotoluene
Concen: 49.767 ug/l
RT: 13.84 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1140710
Ion Ratio Lower Upper
91 100
126 39.9 18.8 56.3

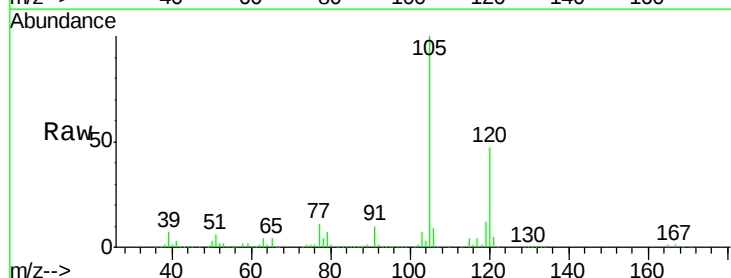


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

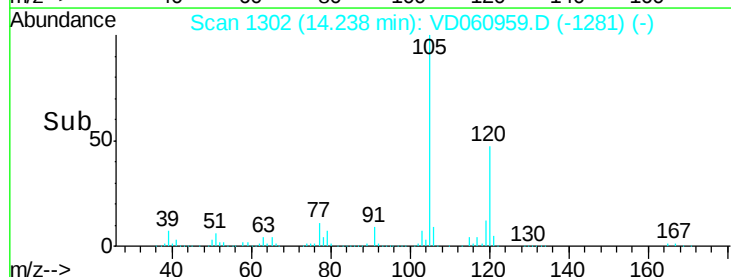
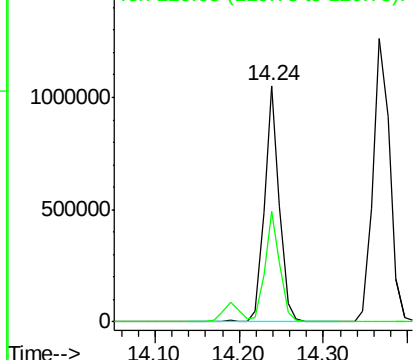


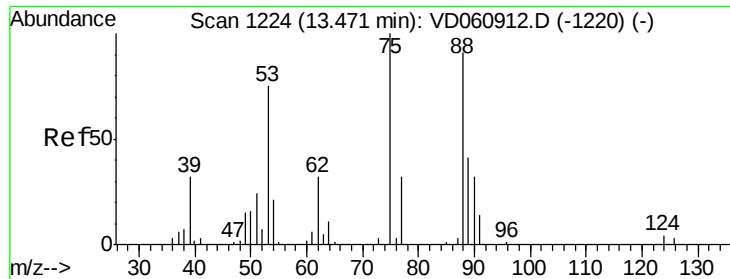
#80
1,3,5-Trimethylbenzene
Concen: 49.564 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Tgt Ion: 105 Resp: 1311194
Ion Ratio Lower Upper
105 100
120 46.7 22.7 68.1



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

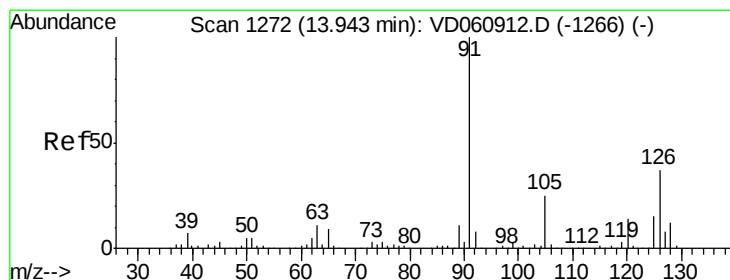
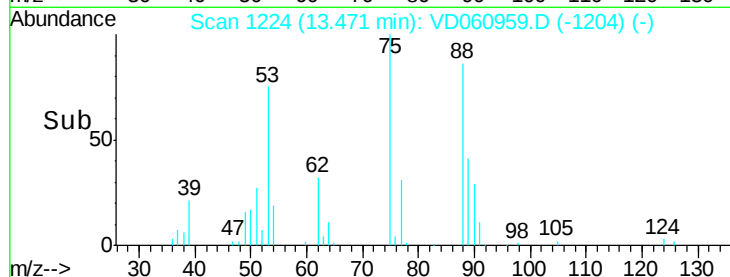
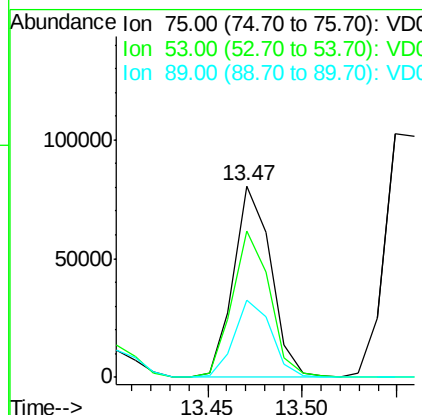
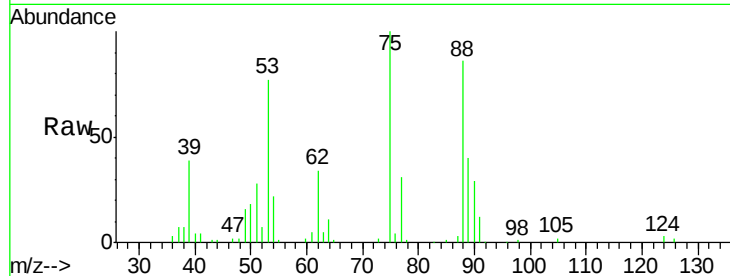




#81
trans-1,4-Dichloro-2-butene
Concen: 51.045 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

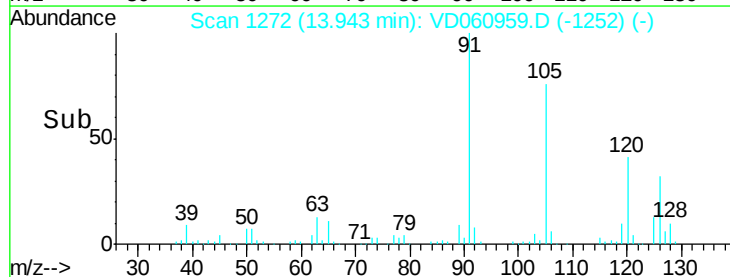
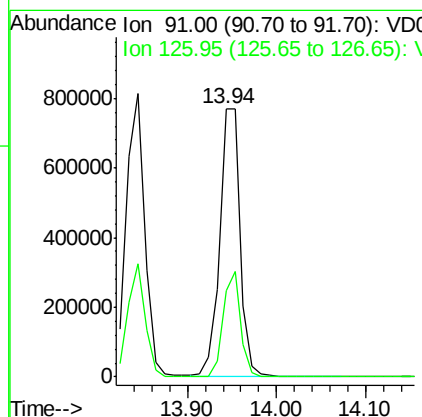
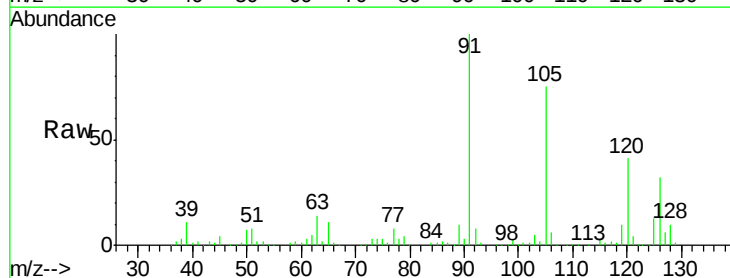
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

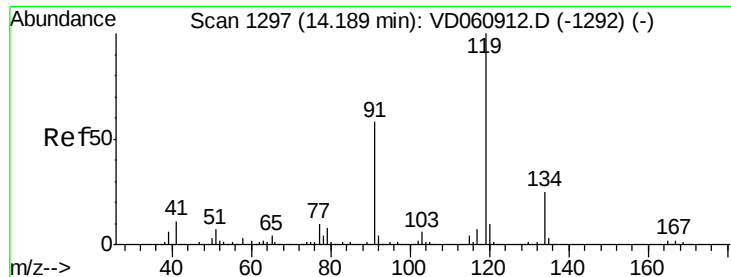
Tot Ion: 75 Resp: 110514
Ion Ratio Lower Upper
75 100
53 76.8 59.8 89.6
89 40.4 33.0 49.6



#82
4-Chlorotoluene
Concen: 49.096 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Tgt Ion: 91 Resp: 1234265
Ion Ratio Lower Upper
91 100
126 32.4 18.4 55.2

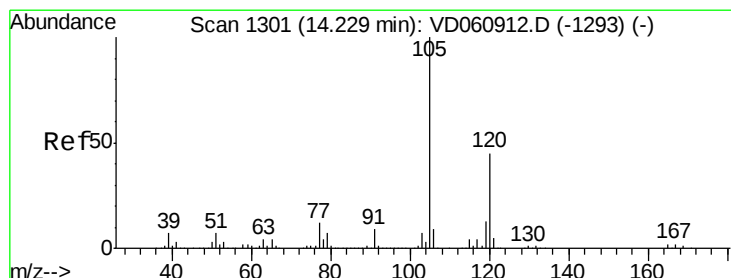
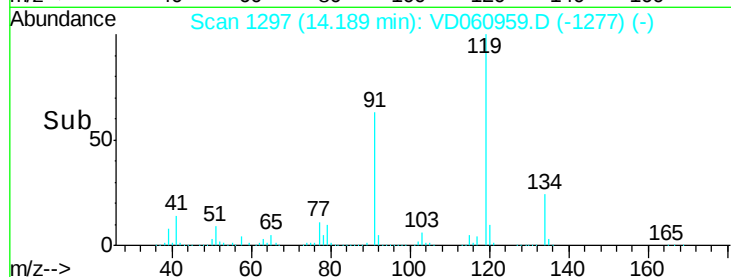
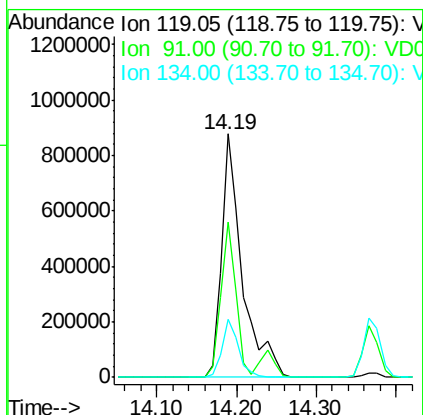
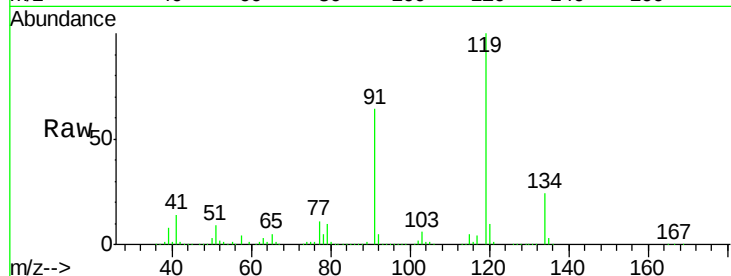




#83
tert-Butylbenzene
Concen: 52.800 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

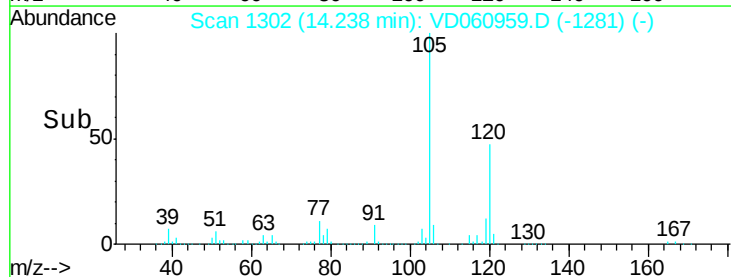
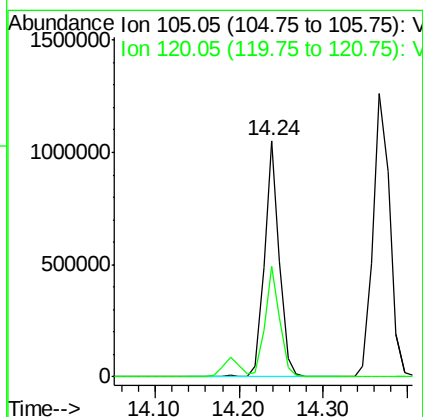
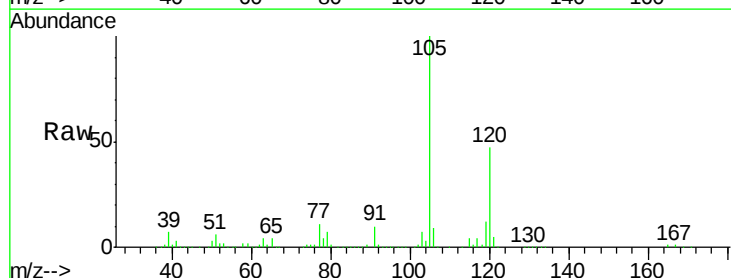
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

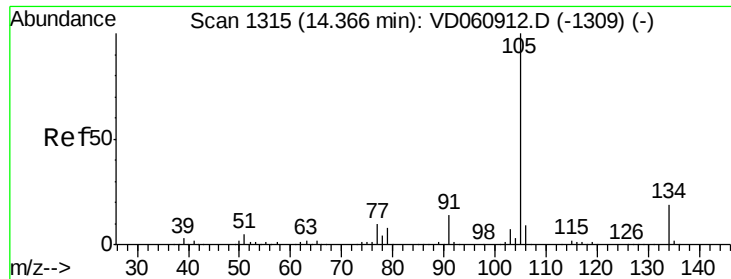
Tot Ion:119 Resp: 1599268
Ion Ratio Lower Upper
119 100
91 63.9 28.8 86.5
134 24.0 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 49.564 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Tgt Ion:105 Resp: 1311194
Ion Ratio Lower Upper
105 100
120 46.7 22.7 68.1





#85

sec-Butylbenzene

Concen: 49.512 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

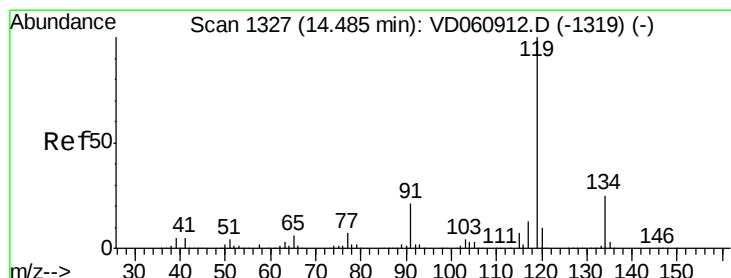
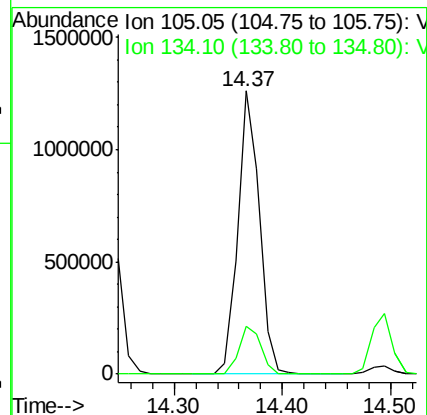
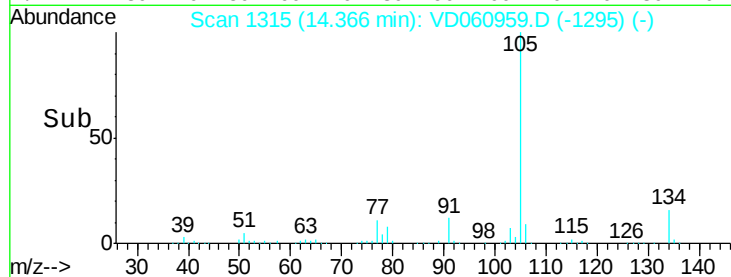
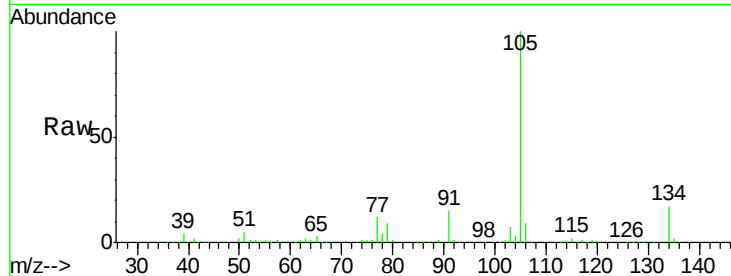
VSTDCCC050

Tot Ion:105 Resp: 1738553

Ion Ratio Lower Upper

105 100

134 16.8 9.7 28.9



#86

p-Isopropyltoluene

Concen: 50.936 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD060959.D

Acq: 6 Mar 2019 11:58

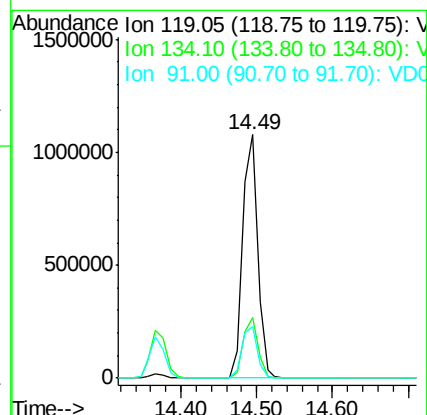
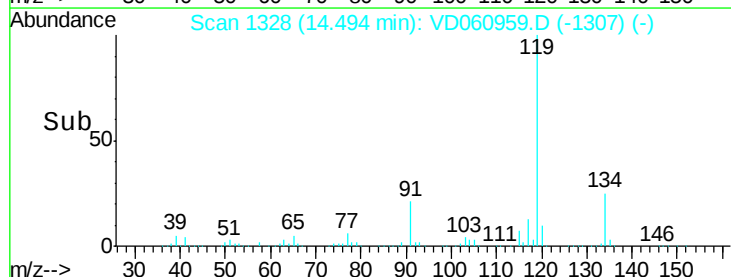
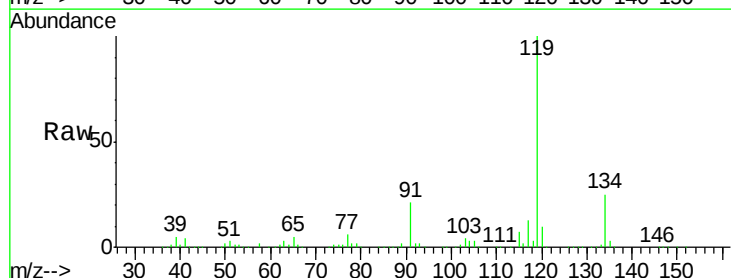
Tgt Ion:119 Resp: 1456809

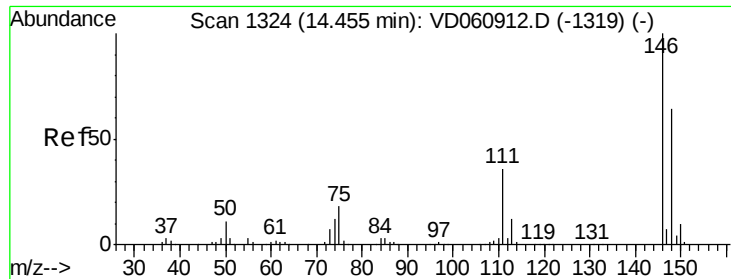
Ion Ratio Lower Upper

119 100

134 25.0 12.4 37.0

91 21.1 10.8 32.3

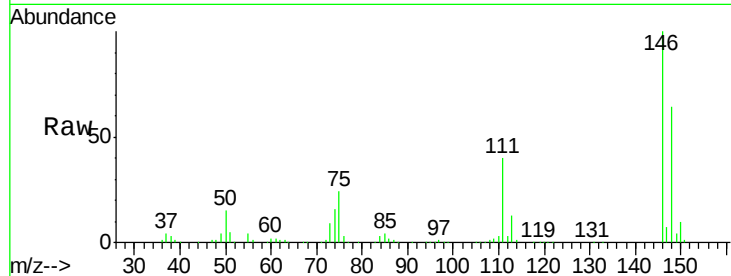




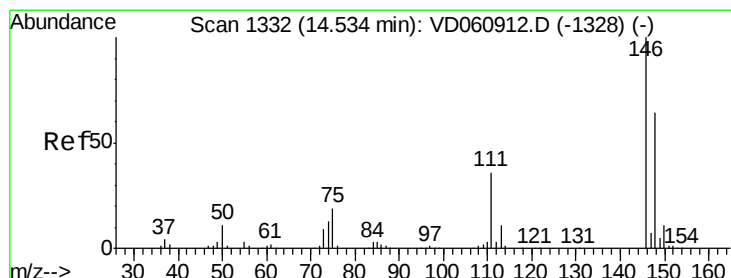
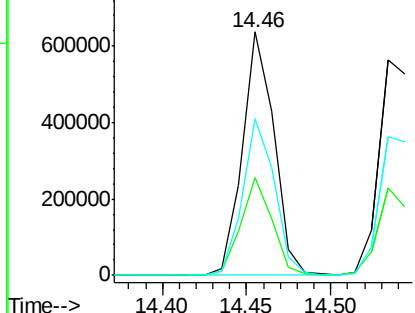
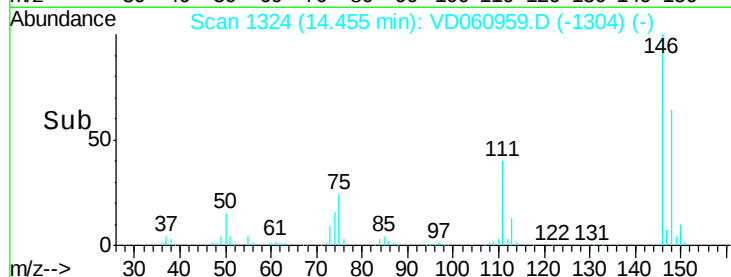
#87
 1,3-Dichlorobenzene
 Concen: 53.450 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 827973
 Ion Ratio Lower Upper
 146 100
 111 40.3 18.1 54.1
 148 64.3 32.1 96.3

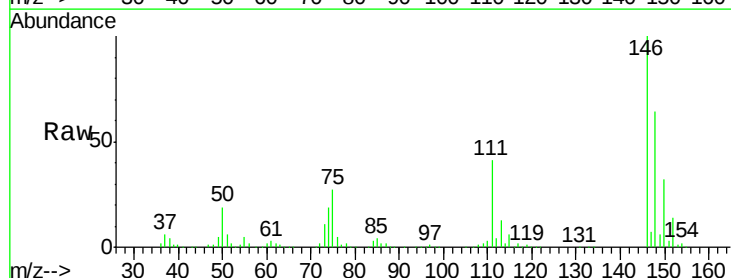


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

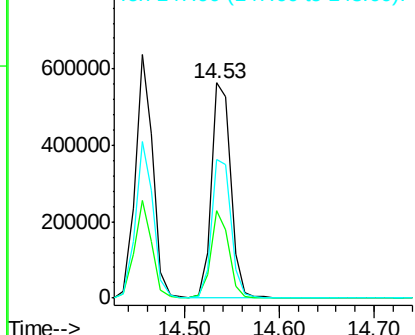
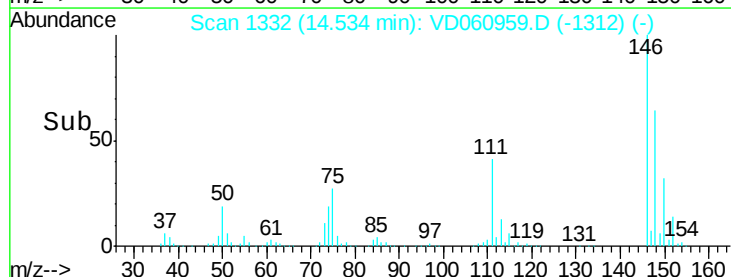


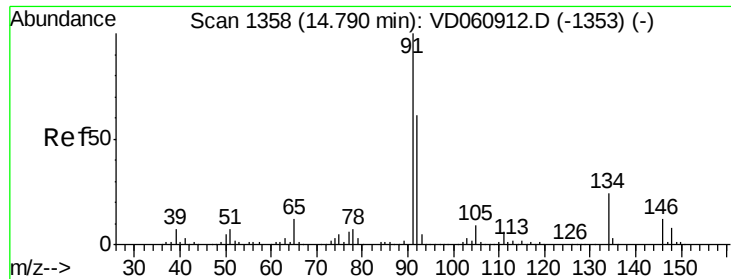
#88
 1,4-Dichlorobenzene
 Concen: 52.031 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

Tgt Ion:146 Resp: 800416
 Ion Ratio Lower Upper
 146 100
 111 40.7 17.9 53.8
 148 64.5 32.0 96.0



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

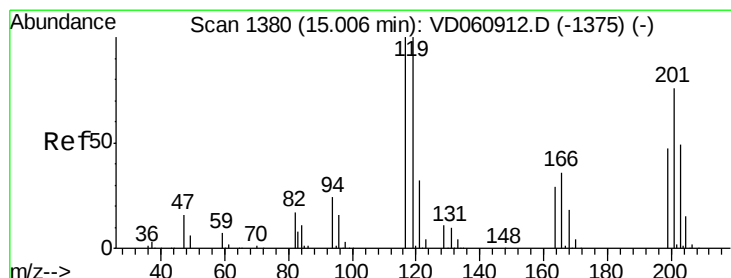
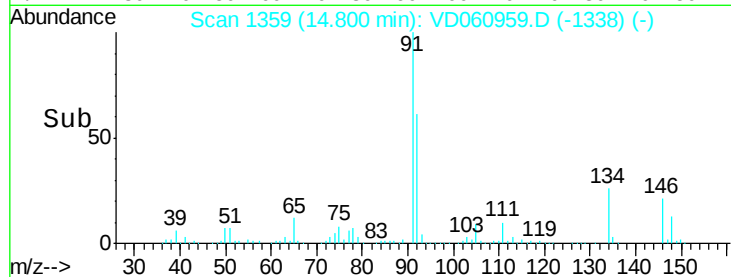
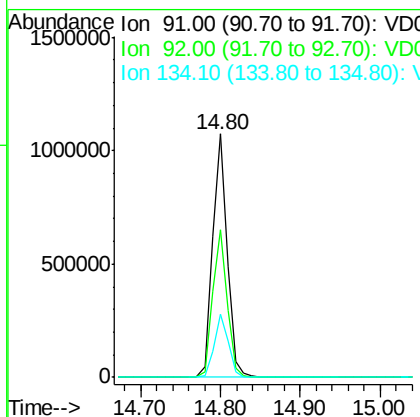
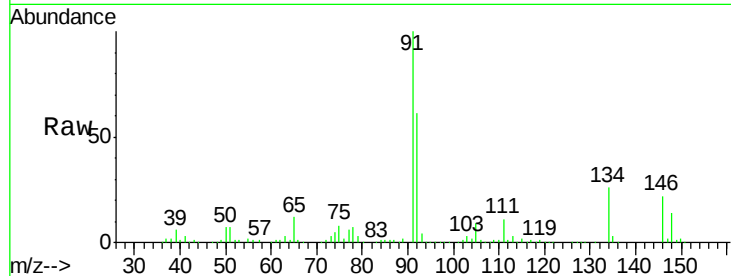




#89
n-Butylbenzene
Concen: 57.156 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

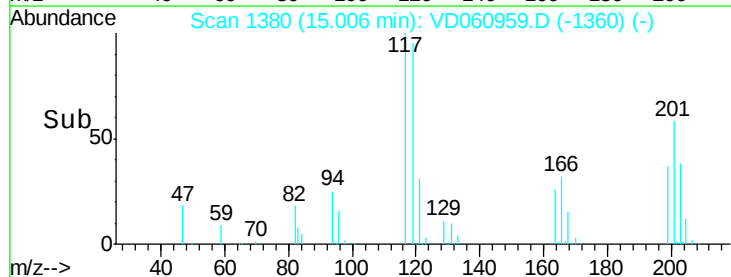
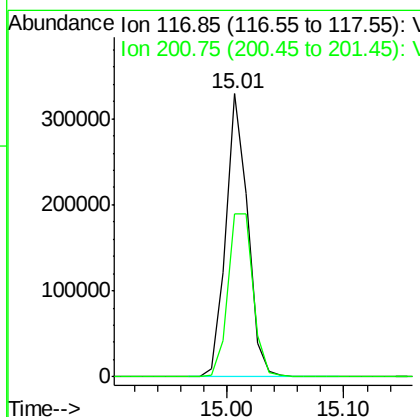
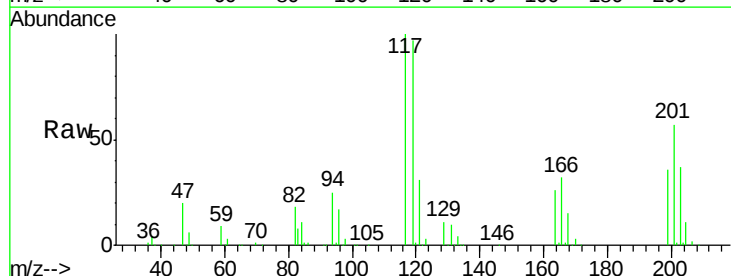
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

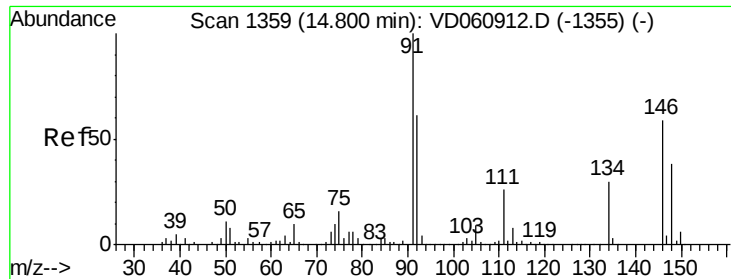
Tot Ion: 91 Resp: 1382861
Ion Ratio Lower Upper
91 100
92 60.9 30.6 91.6
134 26.1 12.0 36.0



#90
Hexachloroethane
Concen: 51.656 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Tgt Ion: 117 Resp: 426078
Ion Ratio Lower Upper
117 100
201 57.4 37.8 113.4

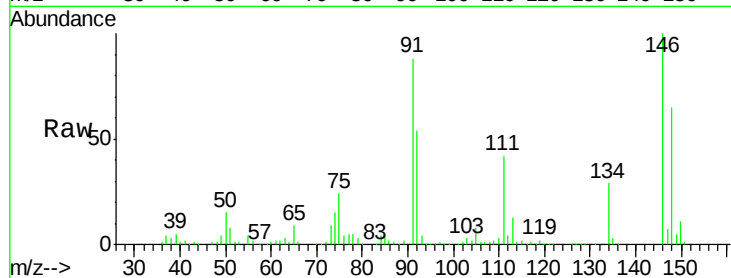




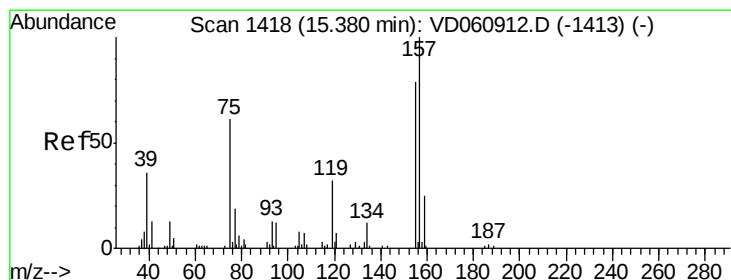
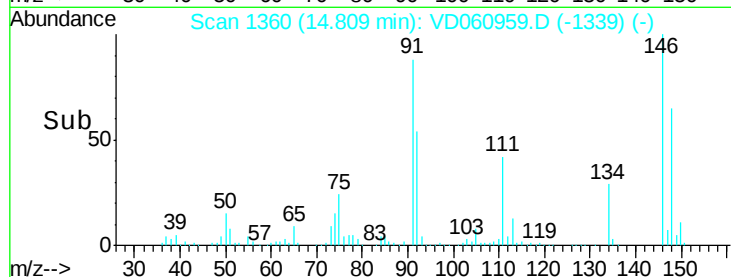
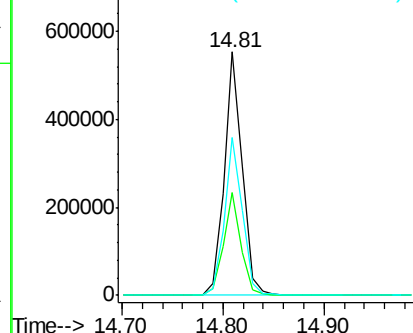
#91
 1,2-Dichlorobenzene
 Concen: 51.019 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 684757
 Ion Ratio Lower Upper
 146 100
 111 42.0 22.1 66.3
 148 64.6 32.1 96.5

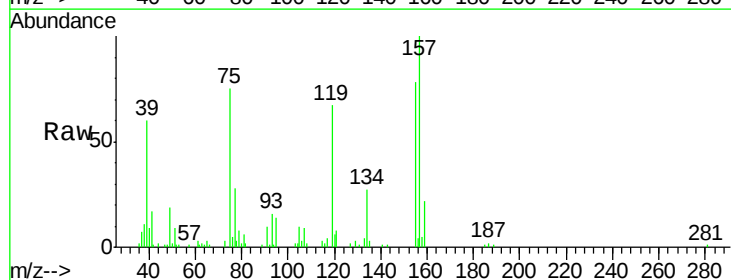


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

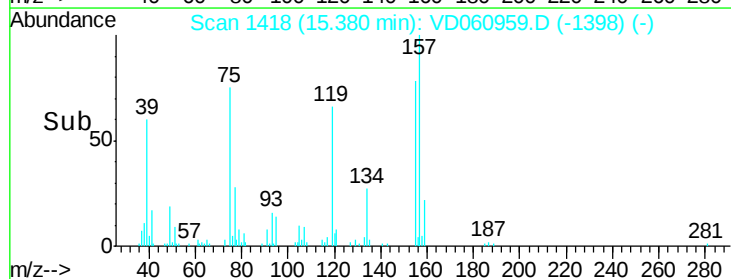
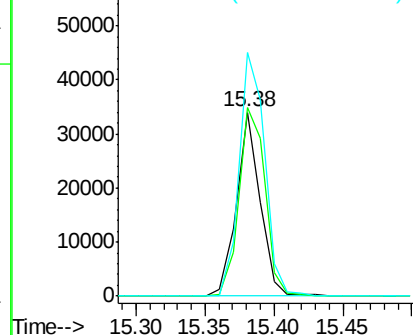


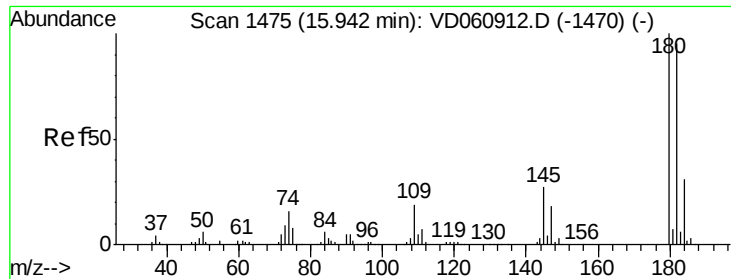
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.805 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

Tgt Ion: 75 Resp: 40470
 Ion Ratio Lower Upper
 75 100
 155 103.0 65.0 195.0
 157 132.7 81.8 245.3



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

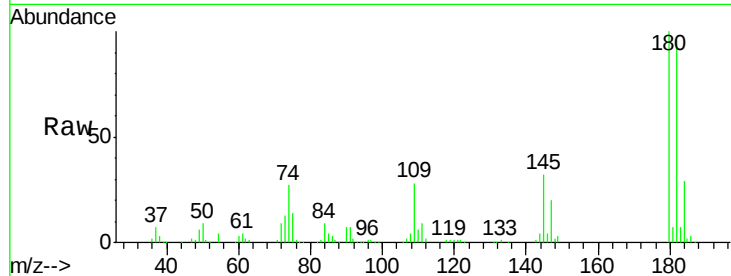




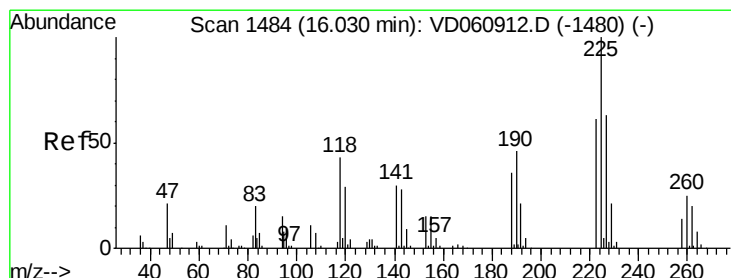
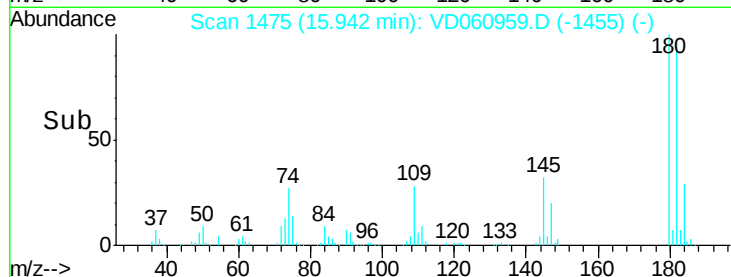
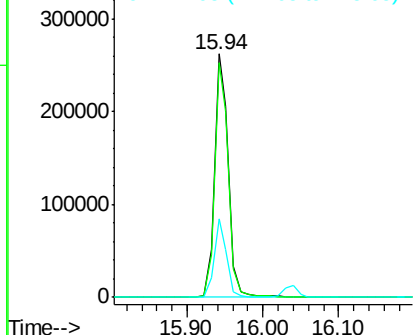
#93
 1,2,4-Trichlorobenzene
 Concen: 43.550 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 339396
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.5 142.6
 145 32.5 13.5 40.5

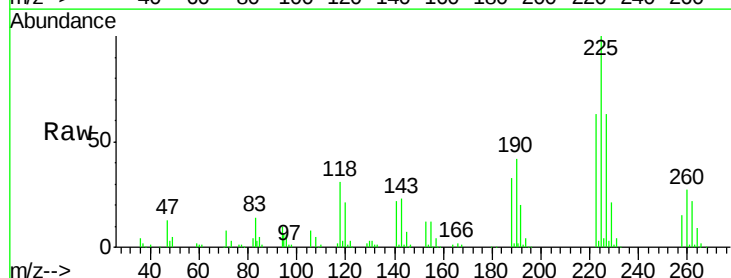


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

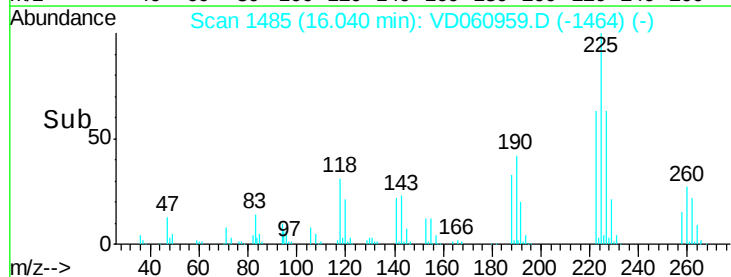
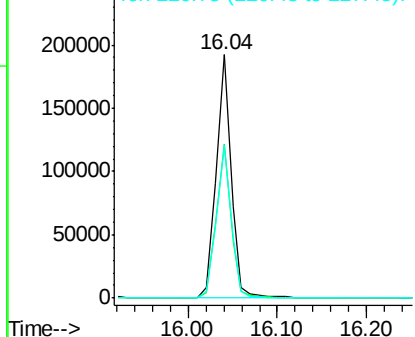


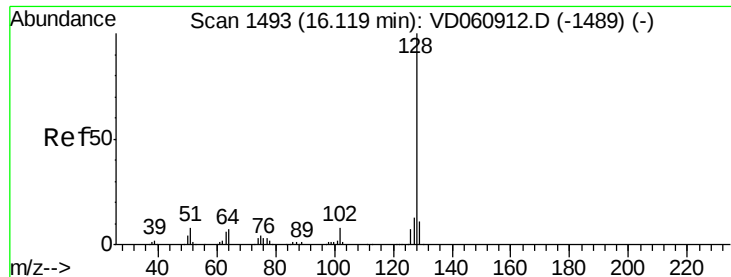
#94
 Hexachlorobutadiene
 Concen: 45.141 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD060959.D
 Acq: 6 Mar 2019 11:58

Tgt Ion:225 Resp: 225801
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.4 91.3
 227 62.8 31.4 94.2



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

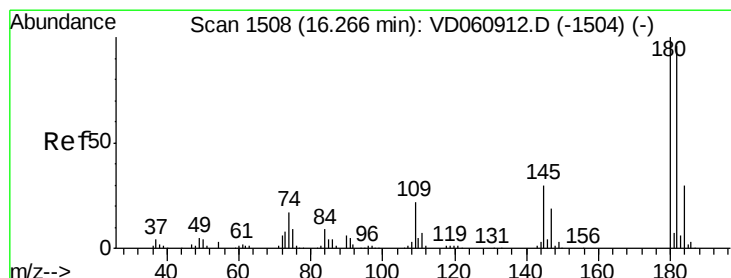
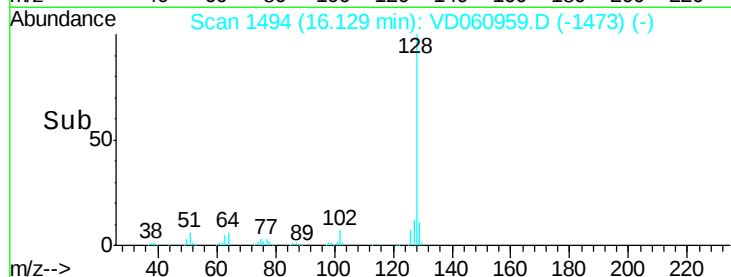
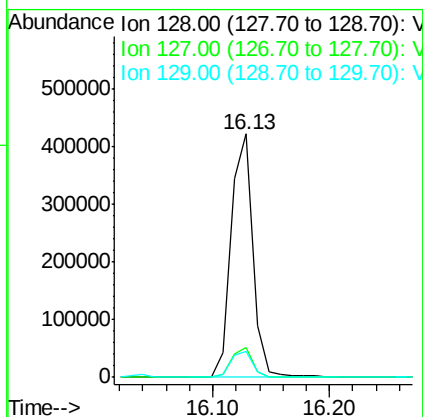
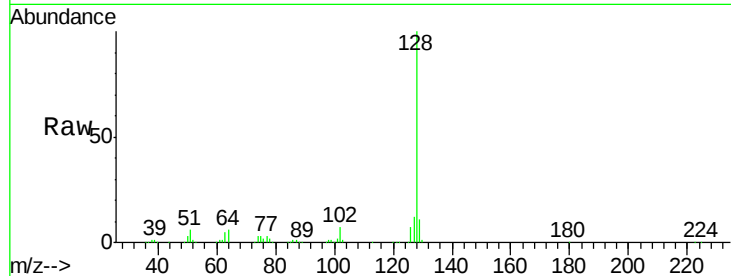




#95
Naphthalene
Concen: 45.171 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 548196
Ion Ratio Lower Upper
128 100
127 12.3 10.1 15.1
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 43.173 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD060959.D
Acq: 6 Mar 2019 11:58

Tgt Ion:180 Resp: 188949
Ion Ratio Lower Upper
180 100
182 97.8 48.1 144.4
145 27.4 14.8 44.4

