

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD043019\
 Data File : VD062084.D
 Acq On : 30 Apr 2019 13:43
 Operator : FY/SY
 Sample : VD0430SBS01
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0430SBS01

Quant Time: May 01 01:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	550684	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	909532	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	753491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	367830	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	235805	54.71	ug/l	-0.02
Spiked Amount			Recovery	=	109.42%	
35) Dibromofluoromethane	6.90	113	330569	52.55	ug/l	-0.03
Spiked Amount			Recovery	=	105.10%	
50) Toluene-d8	10.39	98	775927	51.84	ug/l	-0.03
Spiked Amount			Recovery	=	103.68%	
62) 4-Bromofluorobenzene	13.55	95	356651	59.41	ug/l	0.00
Spiked Amount			Recovery	=	118.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	92109	18.732	ug/l	100
3) Chloromethane	1.75	50	82446	19.727	ug/l	97
4) Vinyl Chloride	1.84	62	74077	19.556	ug/l	96
5) Bromomethane	2.14	94	22662	20.013	ug/l	98
6) Chloroethane	2.25	64	28770	21.011	ug/l	93
7) Trichlorofluoromethane	2.51	101	120088	20.967	ug/l	96
8) Diethyl Ether	2.86	74	32401	21.108	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.13	101	106204	20.130	ug/l	97
10) Methyl Iodide	3.29	142	115212	18.206	ug/l	98
11) Tert butyl alcohol	4.04	59	23832	97.867	ug/l #	95
12) 1,1-Dichloroethene	3.11	96	88422	19.699	ug/l	95
13) Acrolein	3.03	56	20580	81.452	ug/l	94
14) Allyl chloride	3.61	41	118931	19.404	ug/l	97
15) Acrylonitrile	4.17	53	79527	105.466	ug/l	97
16) Acetone	3.20	43	101943	99.061	ug/l	93
17) Carbon Disulfide	3.36	76	248925	19.191	ug/l	97
18) Methyl Acetate	3.62	43	41582	21.027	ug/l	93
19) Methyl tert-butyl Ether	4.22	73	173568	19.489	ug/l	98
20) Methylene Chloride	3.80	84	106570	19.315	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	105349	20.459	ug/l	95
22) Diisopropyl ether	5.09	45	274707	19.197	ug/l	97
23) Vinyl Acetate	5.03	43	717243	96.245	ug/l	99
24) 1,1-Dichloroethane	4.97	63	166429	19.242	ug/l	99
25) 2-Butanone	6.05	43	120749	96.778	ug/l	96
26) 2,2-Dichloropropane	6.00	77	160113	21.220	ug/l	96
27) cis-1,2-Dichloroethene	6.02	96	115430	19.705	ug/l	98
28) Bromochloromethane	6.42	49	69992	21.149	ug/l	95
29) Tetrahydrofuran	6.43	42	56590	92.050	ug/l	97
30) Chloroform	6.65	83	199085	20.265	ug/l	98
31) Cyclohexane	6.94	56	122874	19.140	ug/l	96
32) 1,1,1-Trichloroethane	6.85	97	171623	20.078	ug/l	96
36) 1,1-Dichloropropene	7.13	75	140633	19.846	ug/l	98
37) Ethyl Acetate	6.16	43	59052	19.556	ug/l	98
38) Carbon Tetrachloride	7.09	117	174874	19.475	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	132827	18.998	ug/l	98
40) Benzene	7.44	78	326716	18.624	ug/l	98
41) Methacrylonitrile	6.43	41	66831	18.968	ug/l	92
42) 1,2-Dichloroethane	7.56	62	113958	19.132	ug/l	96
43) Isopropyl Acetate	9.23	43	81258	18.417	ug/l	100
44) Trichloroethene	8.52	130	133899	19.687	ug/l	98
45) 1,2-Dichloropropane	8.92	63	81653	18.347	ug/l	96
46) Dibromomethane	9.05	93	60695	18.953	ug/l	98
47) Bromodichloromethane	9.36	83	147943	19.552	ug/l	99
48) Methyl methacrylate	9.11	41	46952	18.651	ug/l	97
49) 1,4-Dioxane	9.05	88	10303	379.615	ug/l #	83
51) 4-Methyl-2-Pentanone	10.28	43	265342	98.336	ug/l	97
52) Toluene	10.50	92	212591	19.006	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	129127	20.331	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	148753	19.256	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	73976	19.699	ug/l	97
56) Ethyl methacrylate	11.03	69	82420	19.817	ug/l	99
57) 1,3-Dichloropropane	11.39	76	110611	19.071	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.84	63	222584	115.108	ug/l	100
59) 2-Hexanone	11.52	43	201928	99.761	ug/l	97
60) Dibromochloromethane	11.67	129	125039	20.123	ug/l	92
61) 1,2-Dibromoethane	11.80	107	88309	19.824	ug/l	98
64) Tetrachloroethene	11.25	164	108172	20.125	ug/l	97
65) Chlorobenzene	12.39	112	276764	19.438	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	123570	20.460	ug/l	97
67) Ethyl Benzene	12.52	91	487094	20.960	ug/l	98
68) m/p-Xylenes	12.66	106	339079	40.369	ug/l	99
69) o-Xylene	13.04	106	156654	20.384	ug/l	99
70) Styrene	13.07	104	239229	18.028	ug/l	99
71) Bromoform	13.22	173	71787	20.849	ug/l	93
73) Isopropylbenzene	13.39	105	490201	19.978	ug/l	99
74) N-amyl acetate	13.25	43	116208	18.390	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	92526	19.243	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	88914	19.036	ug/l	100
77) Bromobenzene	13.66	156	140872	20.014	ug/l	87
78) n-propylbenzene	13.77	91	589146	20.974	ug/l	100
79) 2-Chlorotoluene	13.84	91	328420	19.303	ug/l	95
80) 1,3,5-Trimethylbenzene	13.92	105	412053	21.061	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	26026	18.387	ug/l	92
82) 4-Chlorotoluene	13.94	91	389038	20.763	ug/l	99
83) tert-Butylbenzene	14.18	119	416813	18.391	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	379890	20.335	ug/l	97
85) sec-Butylbenzene	14.36	105	456548	18.643	ug/l	97
86) p-Isopropyltoluene	14.48	119	457382	20.869	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	241466	19.590	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	234242	20.320	ug/l	95
89) n-Butylbenzene	14.79	91	418844	21.286	ug/l	96
90) Hexachloroethane	15.00	117	119794	20.213	ug/l	87
91) 1,2-Dichlorobenzene	14.80	146	211747	20.825	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	12497	19.301	ug/l	81

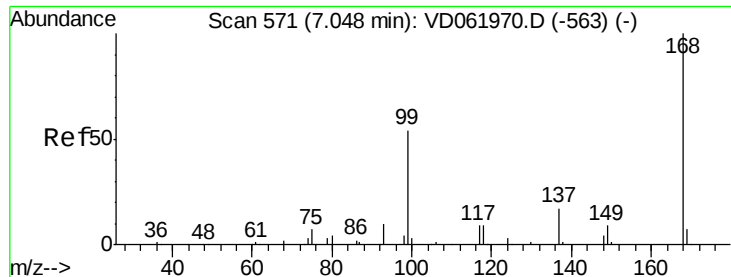
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD043019\
Data File : VD062084.D
Acq On : 30 Apr 2019 13:43
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MSVOA_D
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Quant Time: May 01 01:13:10 2019
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Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	113047	20.606	ug/l	93
94) Hexachlorobutadiene	16.03	225	84033	20.698	ug/l	98
95) Naphthalene	16.12	128	163466	18.454	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	61332	19.704	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

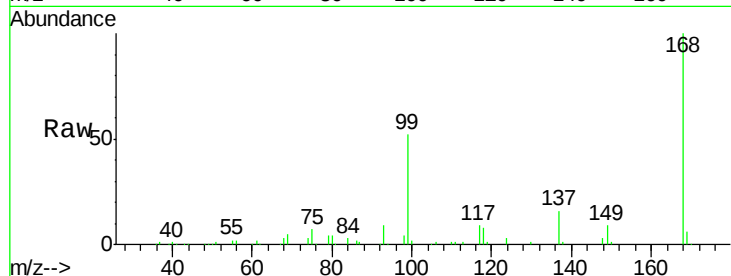
VD0430SBS01

Tot Ion:168 Resp: 550684

Ion Ratio Lower Upper

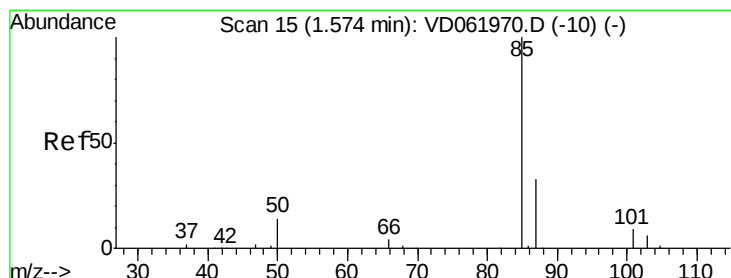
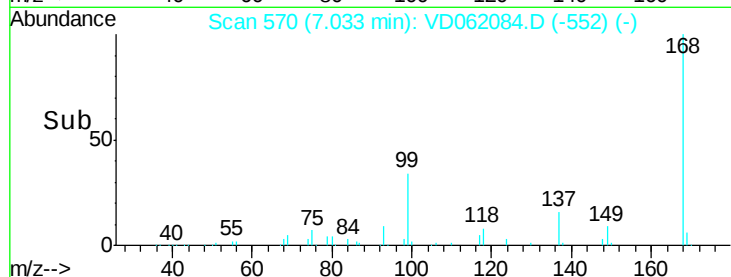
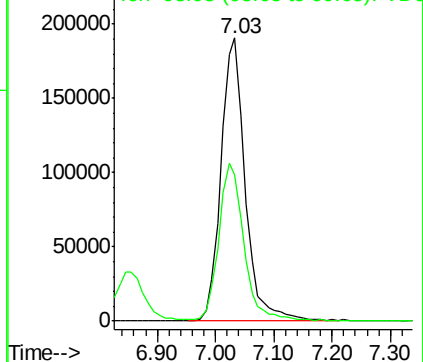
168 100

99 51.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.732 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.02 min

Lab File: VD062084.D

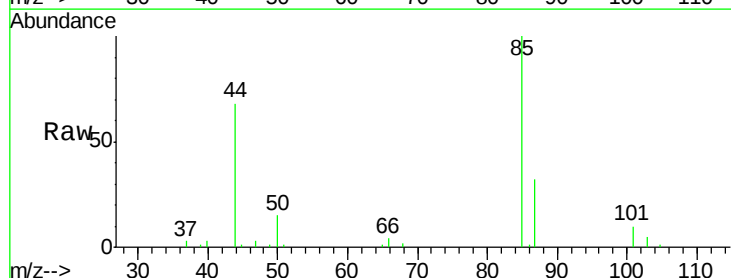
Acq: 30 Apr 2019 13:43

Tgt Ion: 85 Resp: 92109

Ion Ratio Lower Upper

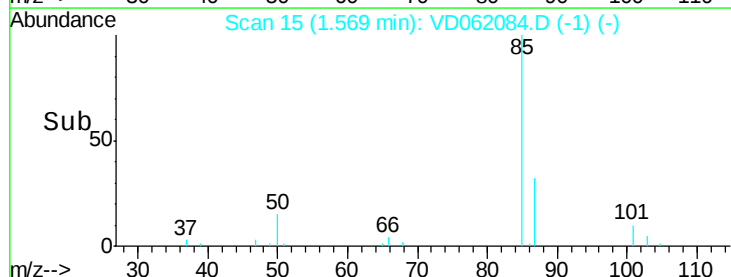
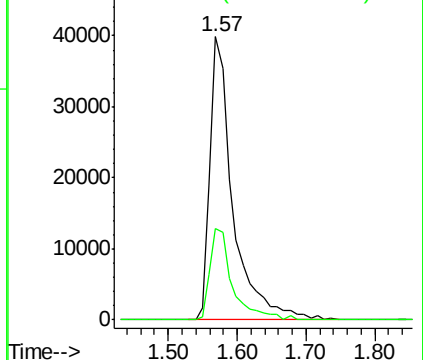
85 100

87 32.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.727 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

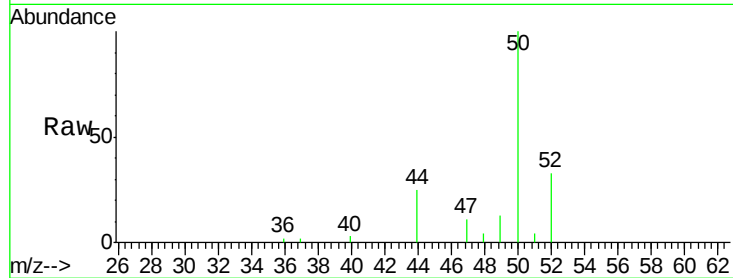
VD0430SBS01

Tot Ion: 50 Resp: 82446

Ion Ratio Lower Upper

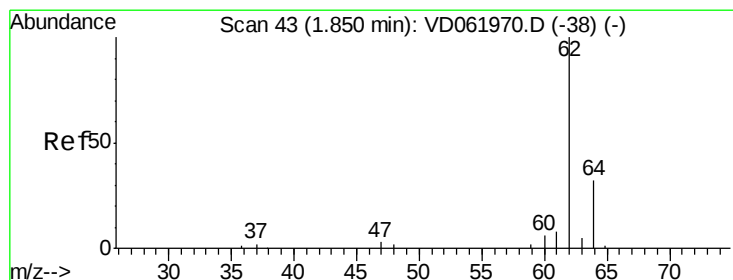
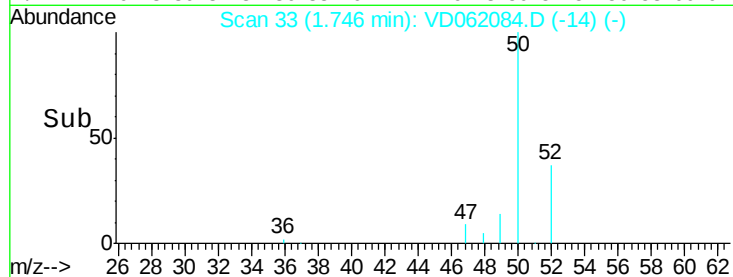
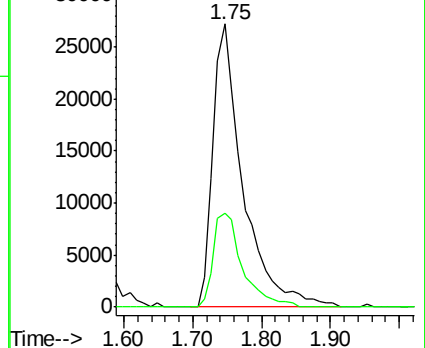
50 100

52 33.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.556 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD062084.D

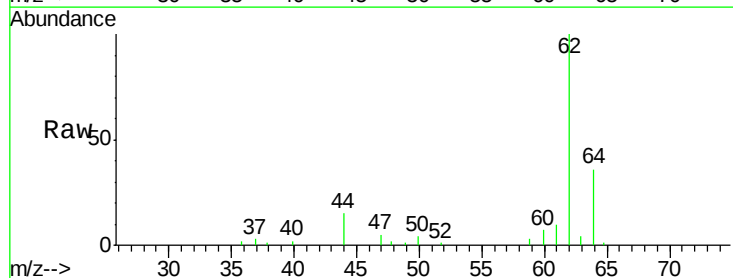
Acq: 30 Apr 2019 13:43

Tgt Ion: 62 Resp: 74077

Ion Ratio Lower Upper

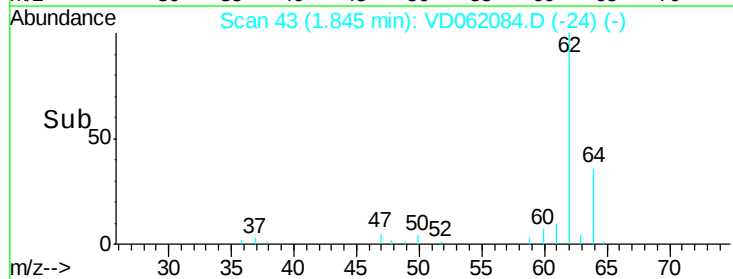
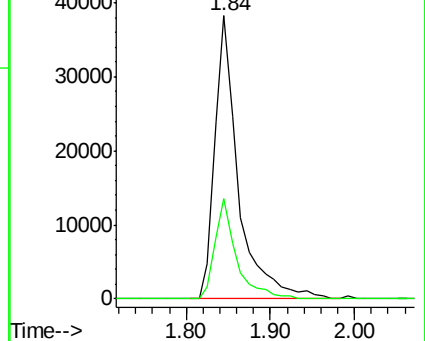
62 100

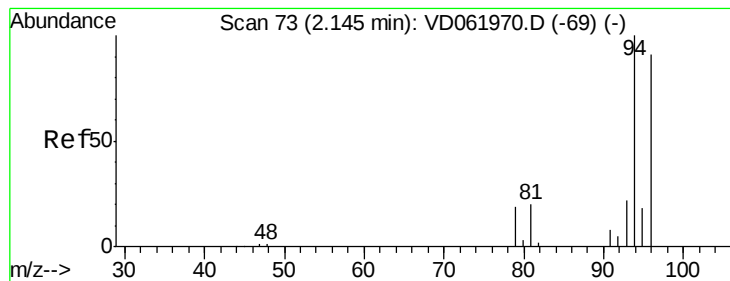
64 35.6 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.013 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0430SBS01

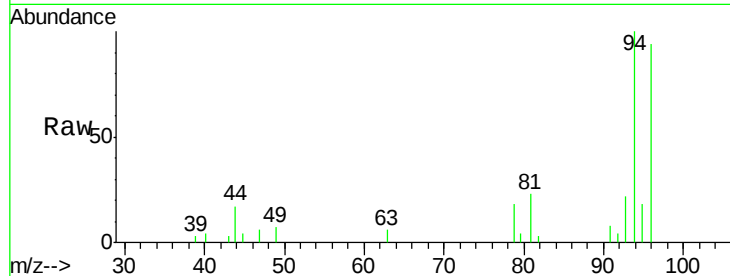
Tot Ion: 94 Resp: 22662

Ion Ratio Lower Upper

94 100

96 93.8 76.6 115.0

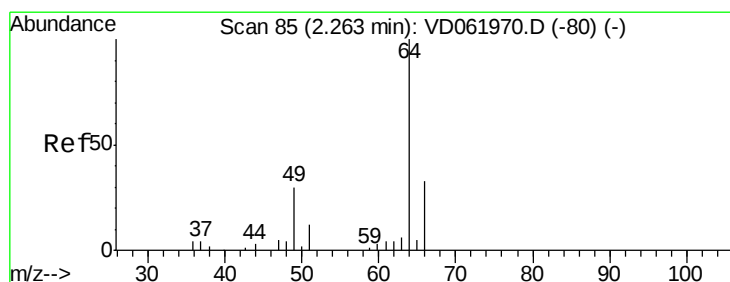
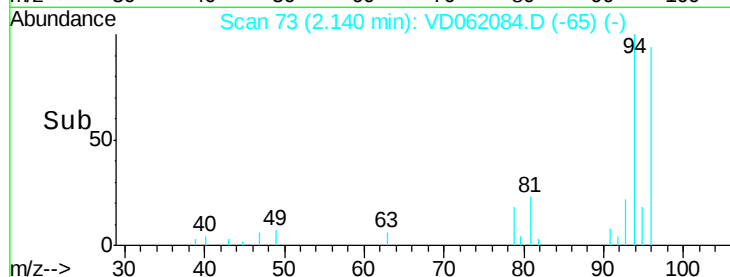
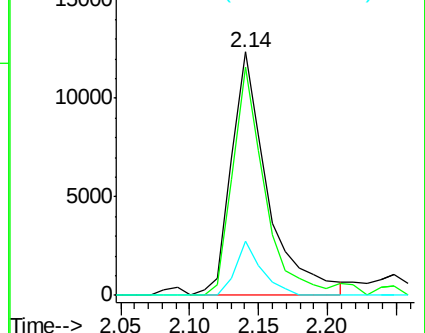
93 22.3 18.5 27.7



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: 21.011 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.03 min

Lab File: VD062084.D

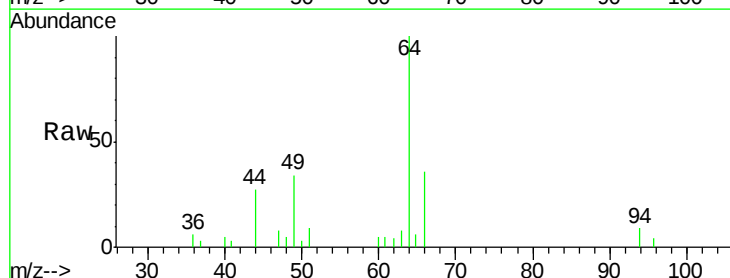
Acq: 30 Apr 2019 13:43

Tgt Ion: 64 Resp: 28770

Ion Ratio Lower Upper

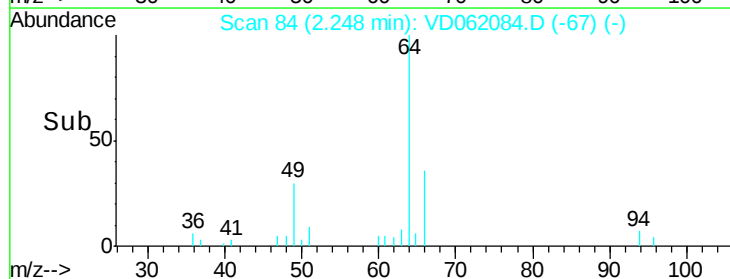
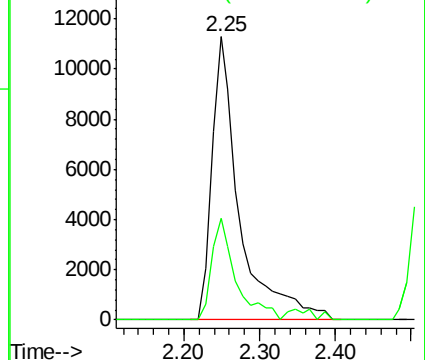
64 100

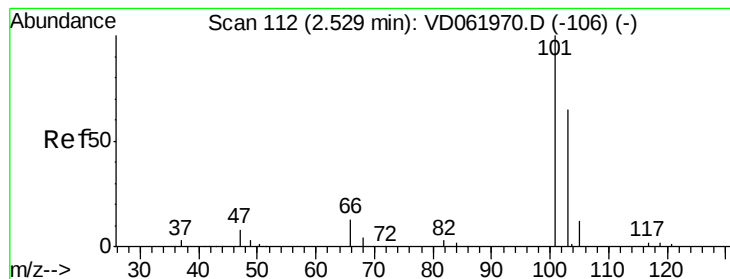
66 35.8 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



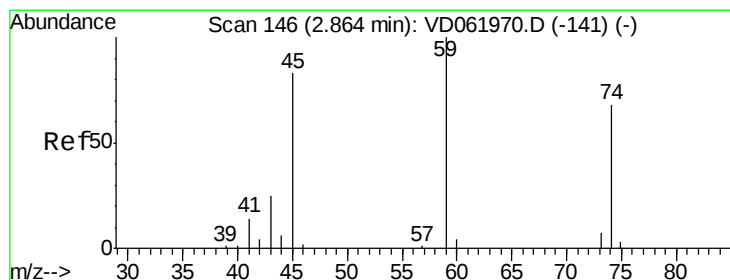
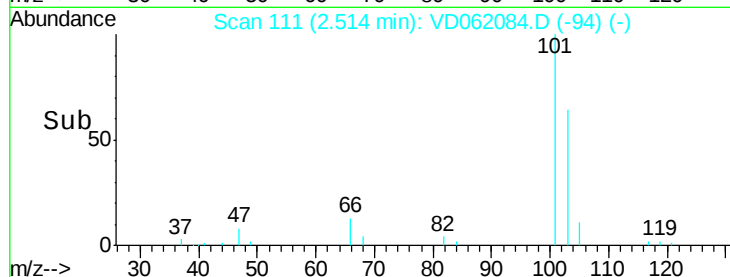
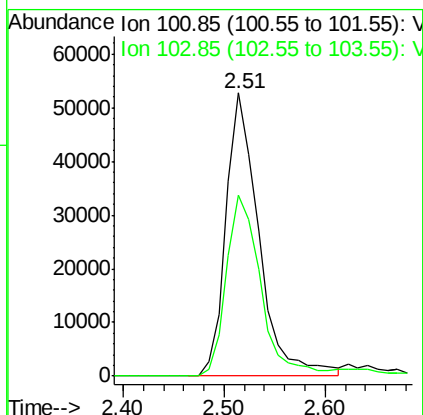
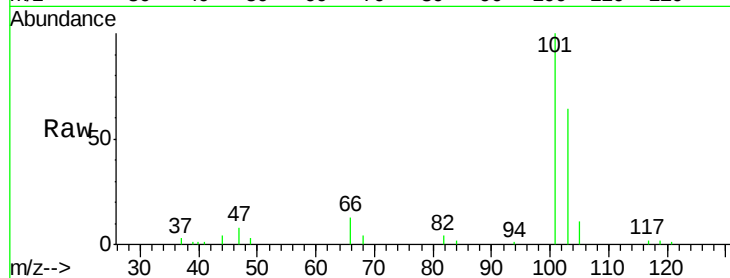


#7

Trichlorofluoromethane
 Concen: 20.967 ug/l
 RT: 2.51 min Scan# 111
 Delta R.T. -0.03 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Instrument :
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 ClientSampleId :
 VD0430SBS01

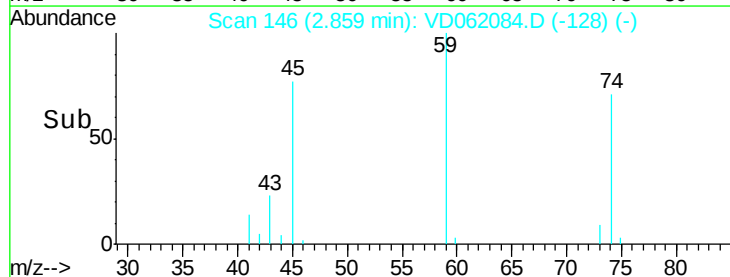
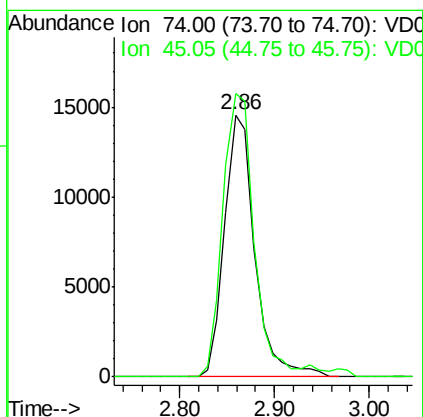
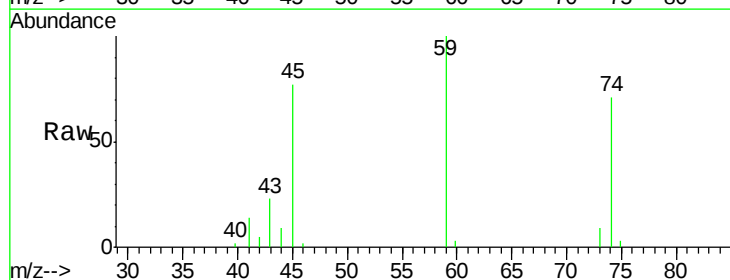
Tot Ion:101 Resp: 120088
 Ion Ratio Lower Upper
 101 100
 103 63.8 53.6 80.4



#8

Diethyl Ether
 Concen: 21.108 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Tgt Ion: 74 Resp: 32401
 Ion Ratio Lower Upper
 74 100
 45 108.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.130 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.03 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0430SBS01

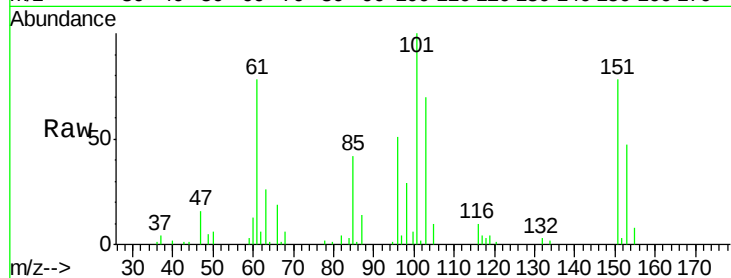
Tot Ion:101 Resp: 106204

Ion Ratio Lower Upper

101 100

85 41.8 32.4 48.6

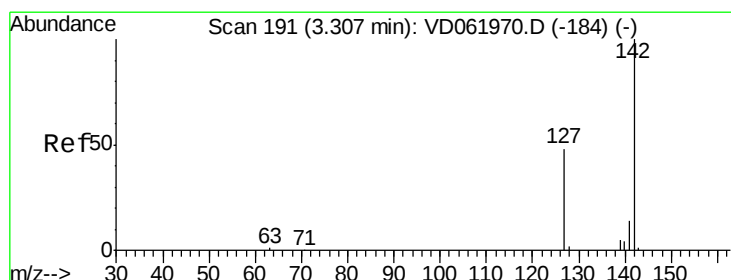
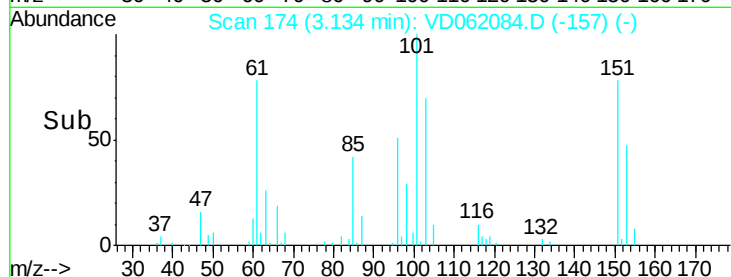
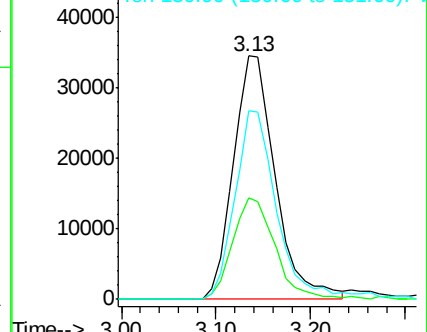
151 77.7 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.206 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.03 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

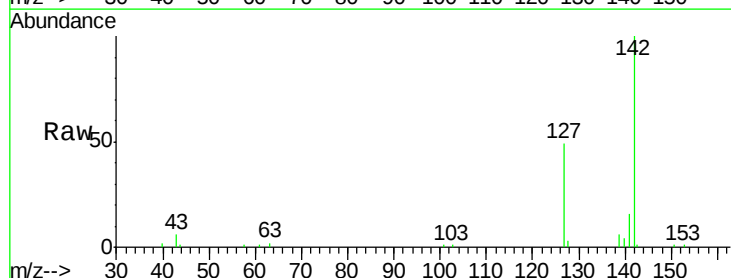
Tgt Ion:142 Resp: 115212

Ion Ratio Lower Upper

142 100

127 49.5 38.8 58.2

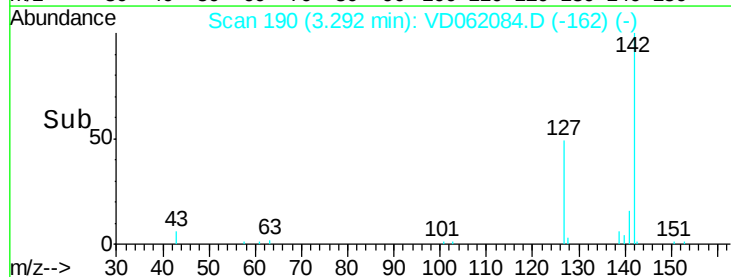
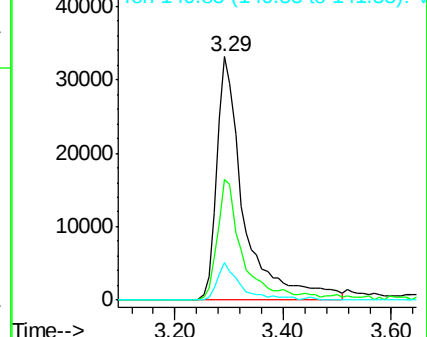
141 15.5 11.4 17.0

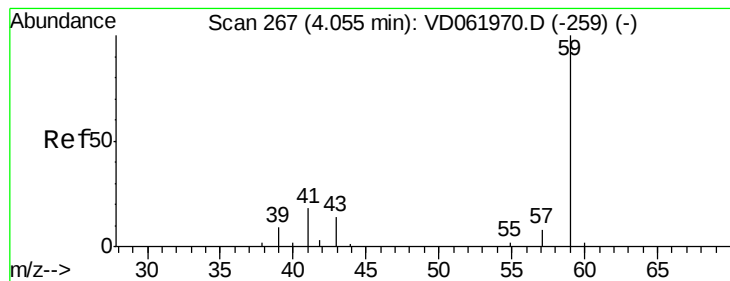


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



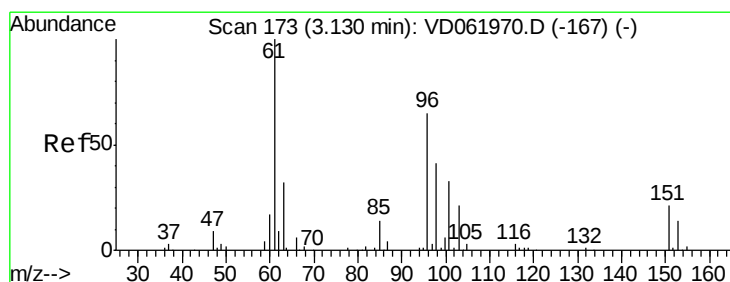
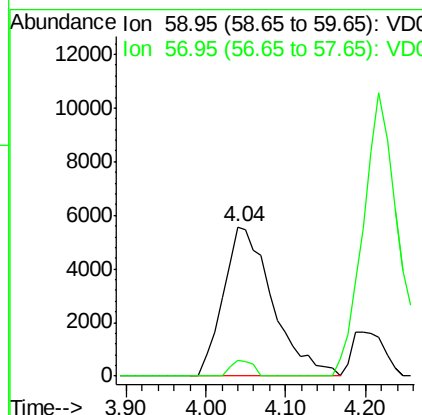
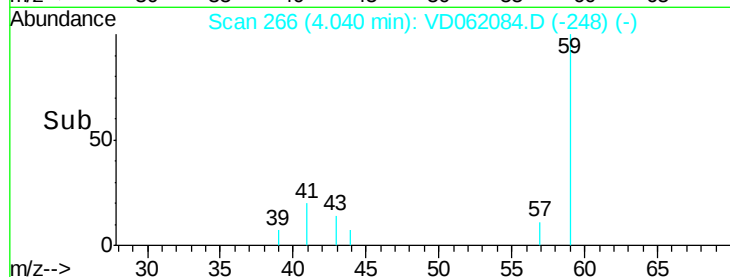
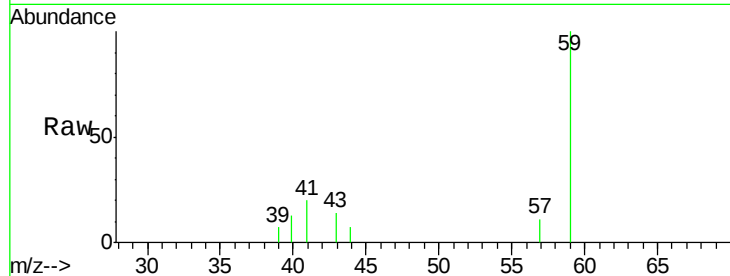


#11

Tert butyl alcohol
 Concen: 97.867 ug/l
 RT: 4.04 min Scan# 266
 Delta R.T. -0.02 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0430SBS01

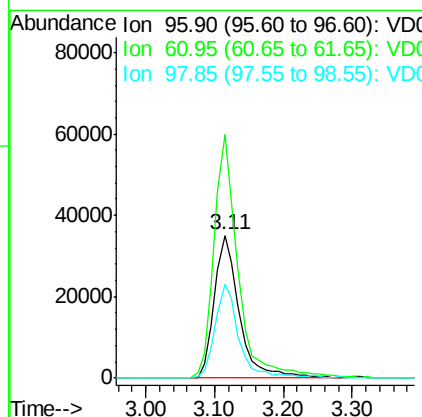
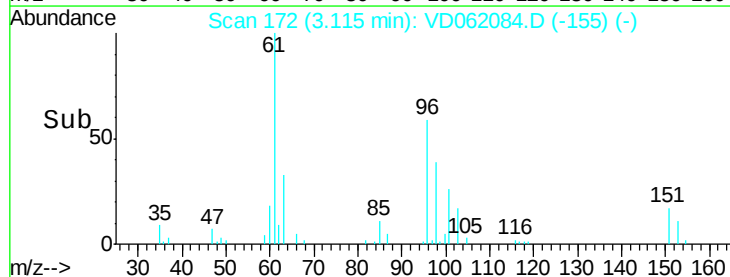
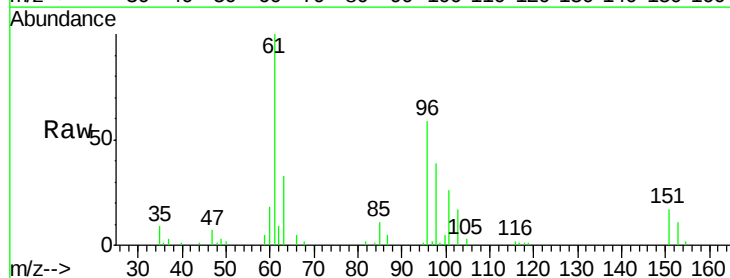
Tot Ion: 59 Resp: 23832
 Ion Ratio Lower Upper
 59 100
 57 10.5 6.9 10.3#

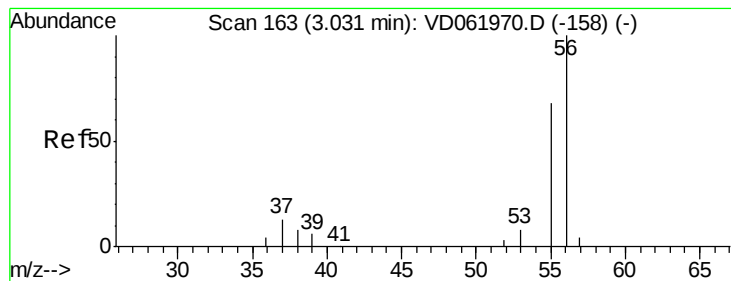


#12

1,1-Dichloroethene
 Concen: 19.699 ug/l
 RT: 3.11 min Scan# 172
 Delta R.T. -0.03 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Tgt Ion: 96 Resp: 88422
 Ion Ratio Lower Upper
 96 100
 61 170.6 129.8 194.8
 98 66.1 51.2 76.8





#13

Acrolein

Concen: 81.452 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

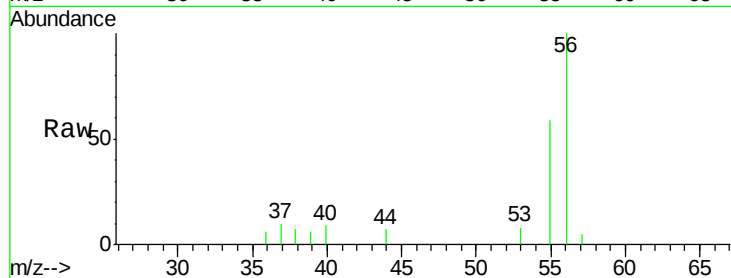
VD0430SBS01

Tot Ion: 56 Resp: 20580

Ion Ratio Lower Upper

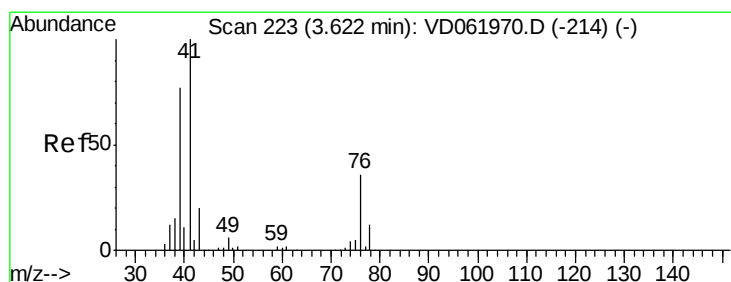
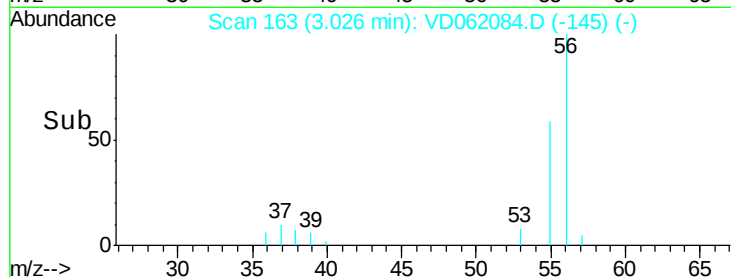
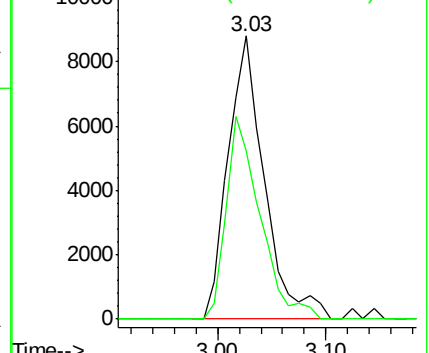
56 100

55 59.4 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.404 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.03 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

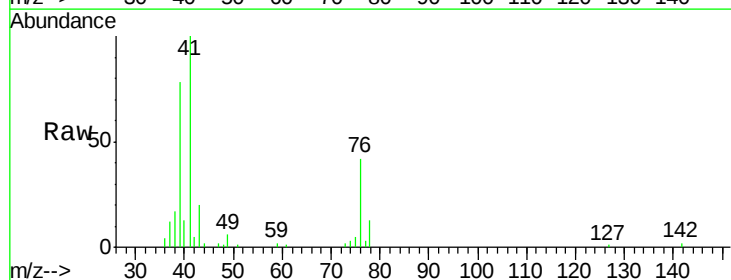
Tgt Ion: 41 Resp: 118931

Ion Ratio Lower Upper

41 100

39 78.2 60.5 90.7

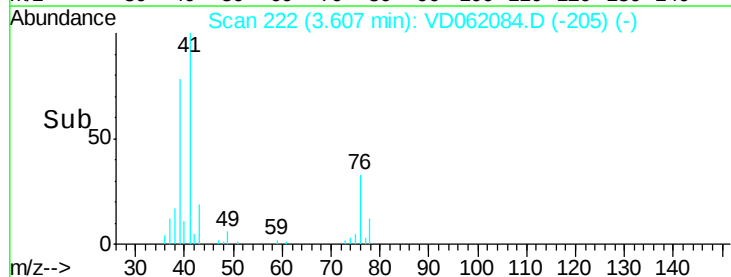
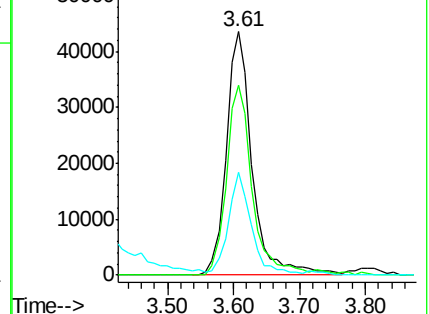
76 42.2 31.8 47.8

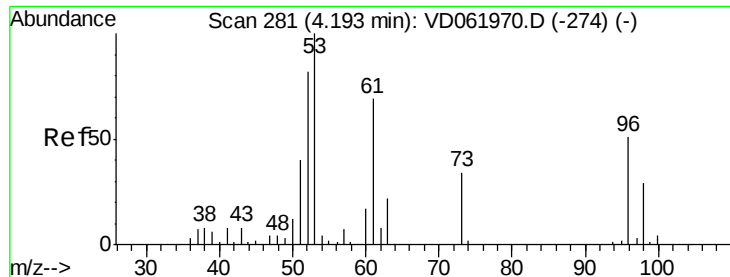


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 105.466 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.04 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0430SBS01

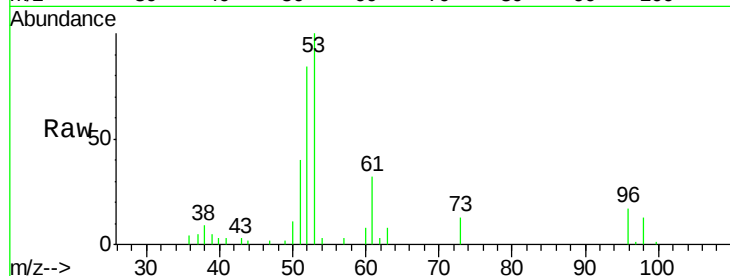
Tot Ion: 53 Resp: 79527

Ion Ratio Lower Upper

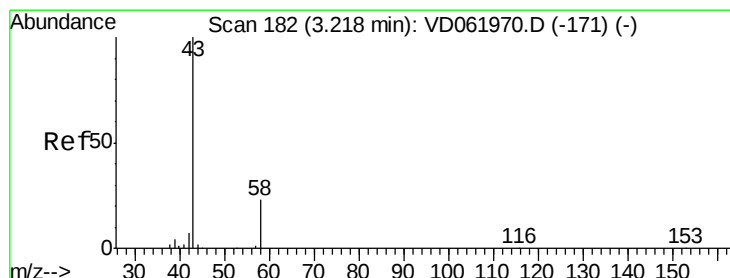
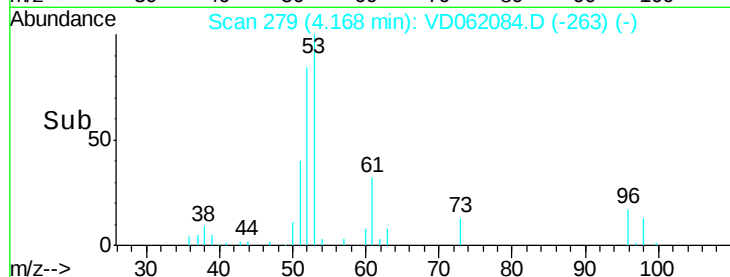
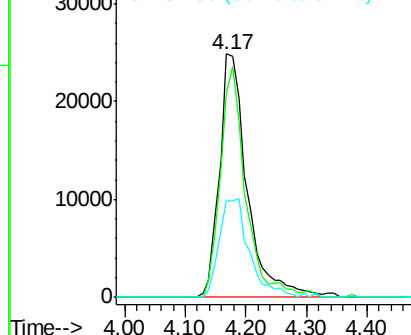
53 100

52 84.0 65.0 97.4

51 39.5 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 99.061 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062084.D

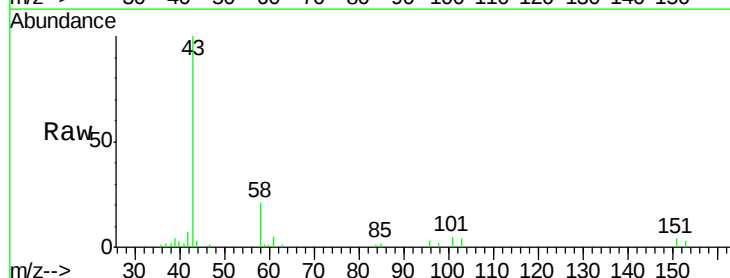
Acq: 30 Apr 2019 13:43

Tgt Ion: 43 Resp: 101943

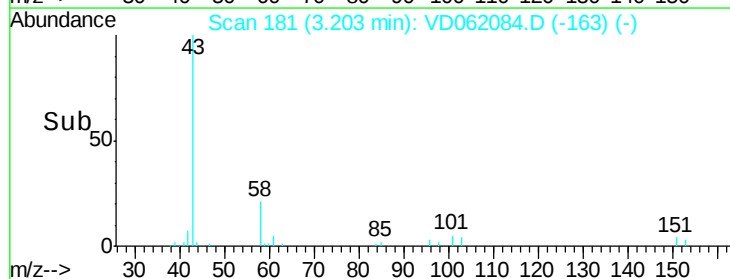
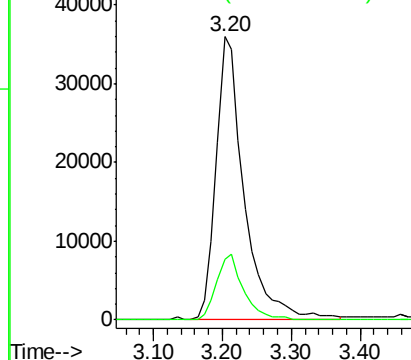
Ion Ratio Lower Upper

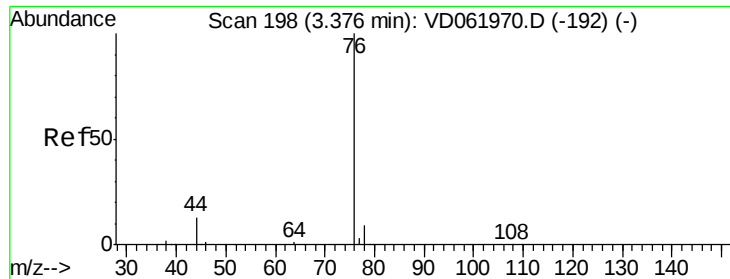
43 100

58 21.5 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

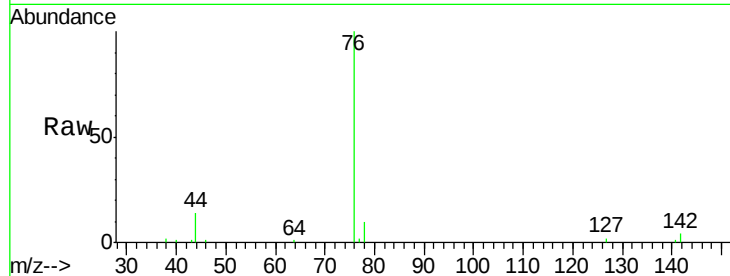




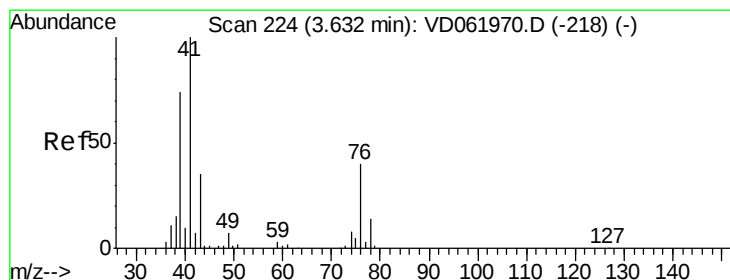
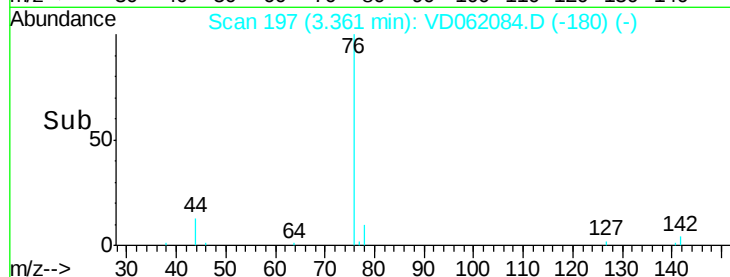
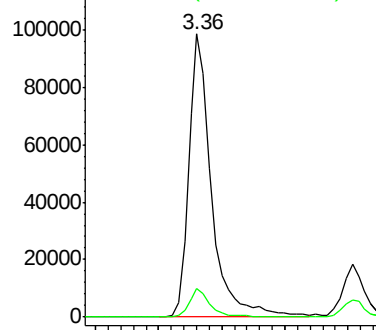
#17
Carbon Disulfide
Concen: 19.191 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.03 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD0430SBS01

Tot Ion: 76 Resp: 248925
Ion Ratio Lower Upper
76 100
78 10.0 7.2 10.8

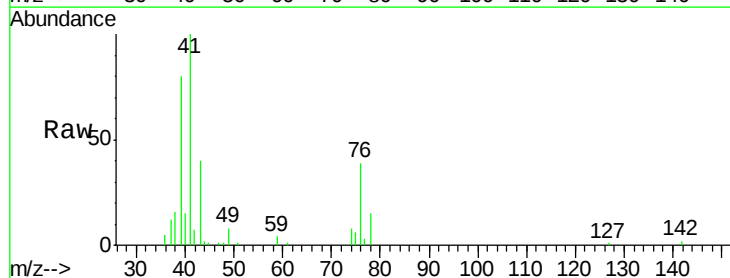


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

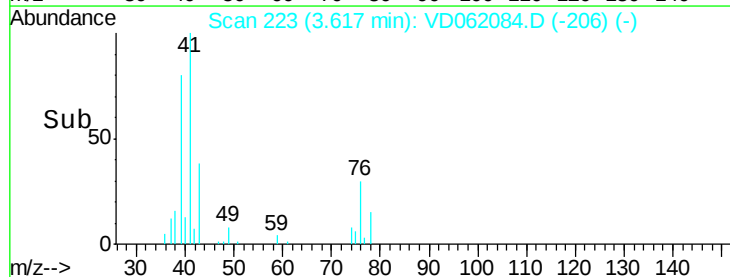
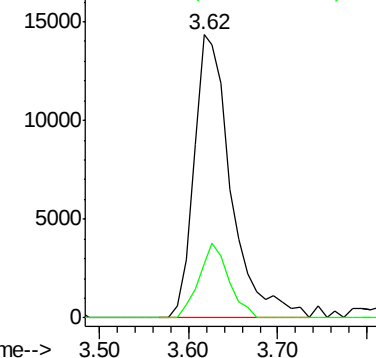


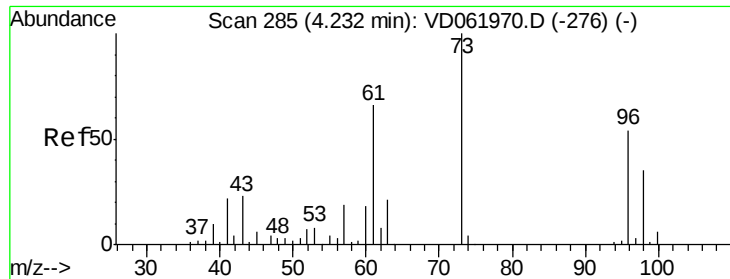
#18
Methyl Acetate
Concen: 21.027 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.03 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Tgt Ion: 43 Resp: 41582
Ion Ratio Lower Upper
43 100
74 19.3 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

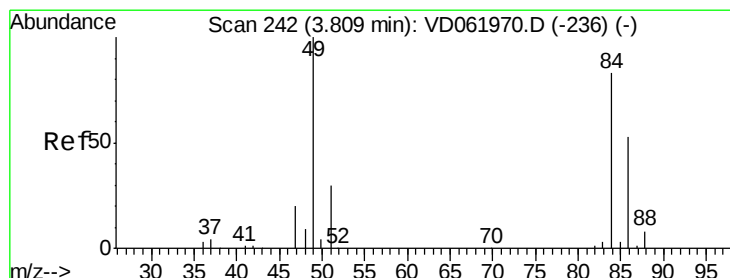
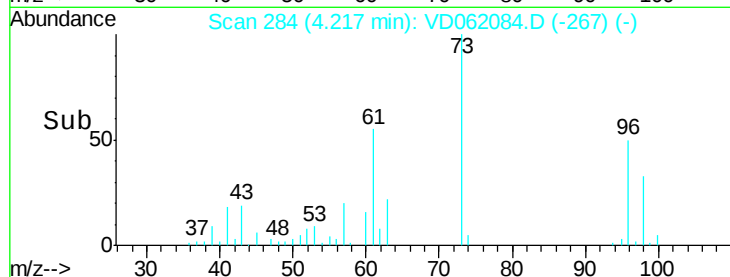
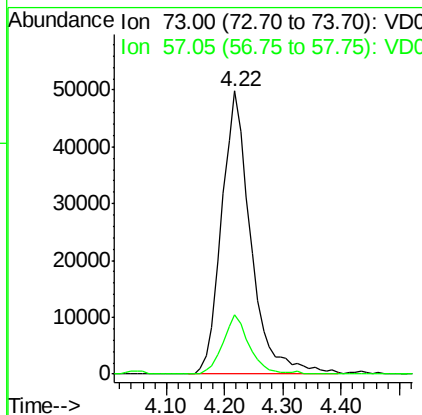
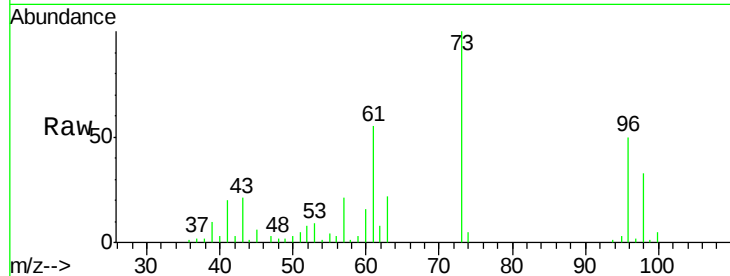




#19
Methvl tert-butvl Ether
Concen: 19.489 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

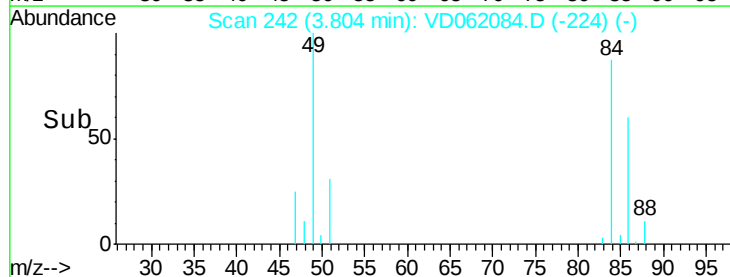
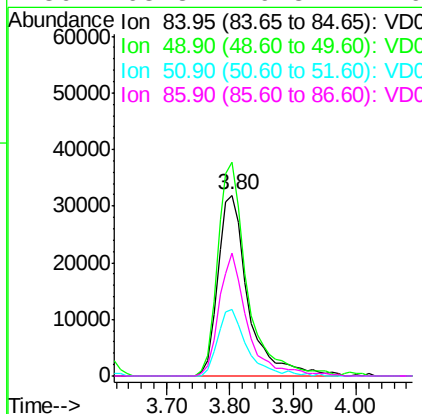
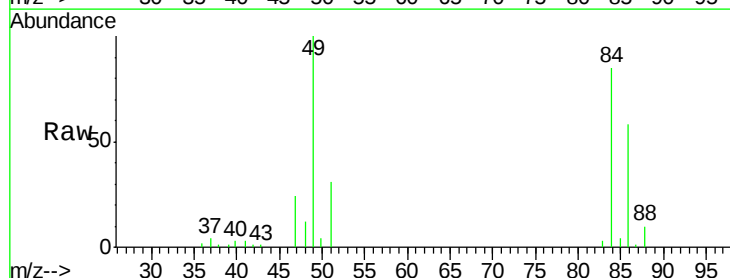
Instrument :
MSVOA_D
ClientSampled :
VD0430SBS01

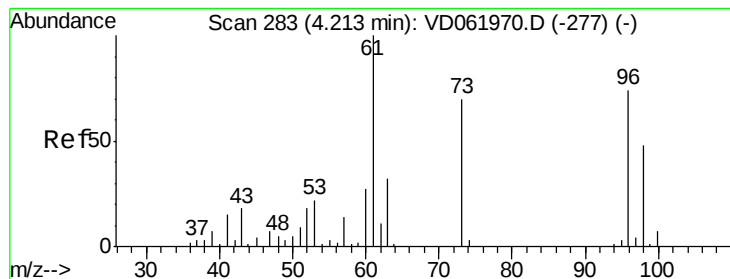
Tot Ion: 73 Resp: 173568
Ion Ratio Lower Upper
73 100
57 21.2 16.3 24.5



#20
Methylene Chloride
Concen: 19.315 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Tgt Ion: 84 Resp: 106570
Ion Ratio Lower Upper
84 100
49 118.2 94.0 141.0
51 37.1 29.0 43.4
86 68.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 20.459 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0430SBS01

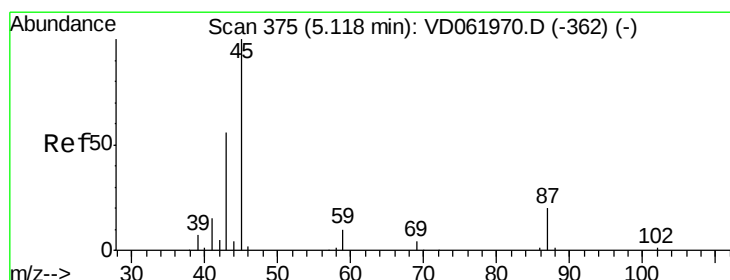
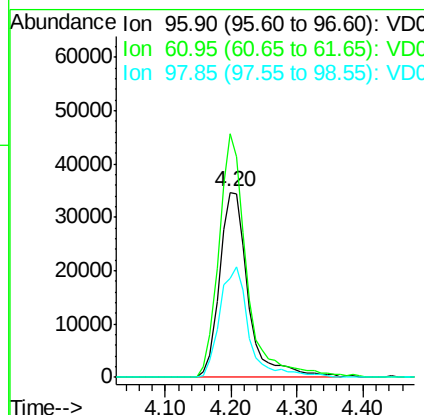
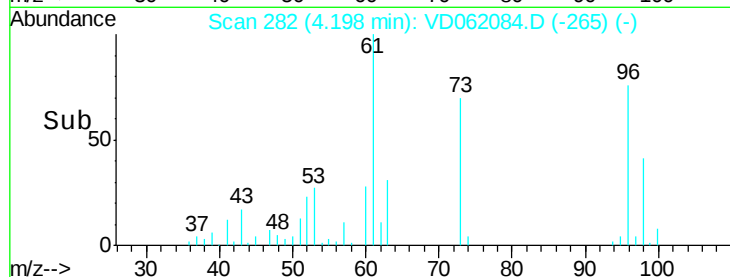
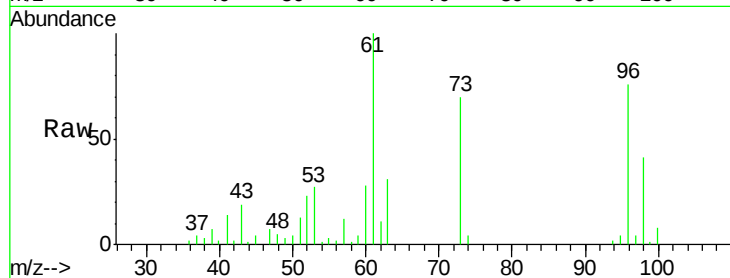
Tot Ion: 96 Resp: 105349

Ion Ratio Lower Upper

96 100

61 131.5 104.4 156.6

98 53.7 51.8 77.8



#22

Diisopropyl ether

Concen: 19.197 ug/l

RT: 5.09 min Scan# 373

Delta R.T. -0.03 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Tgt Ion: 45 Resp: 274707

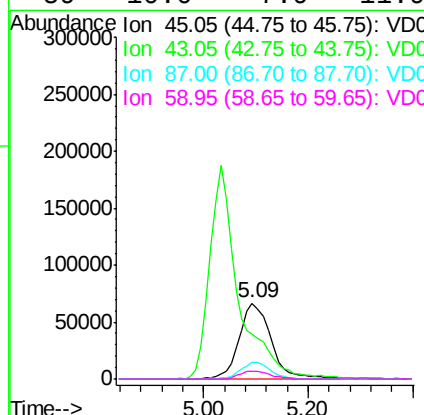
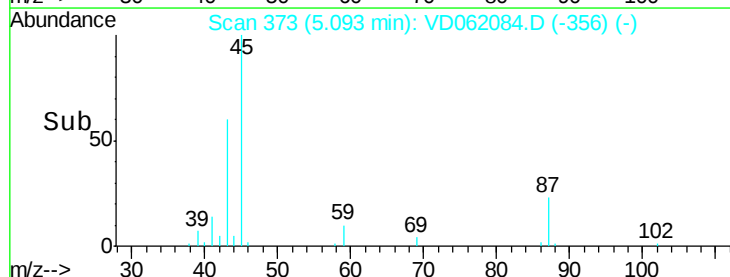
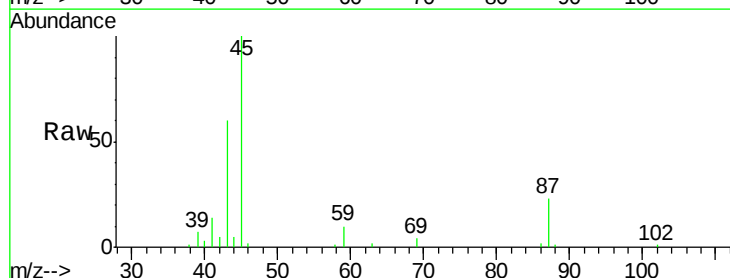
Ion Ratio Lower Upper

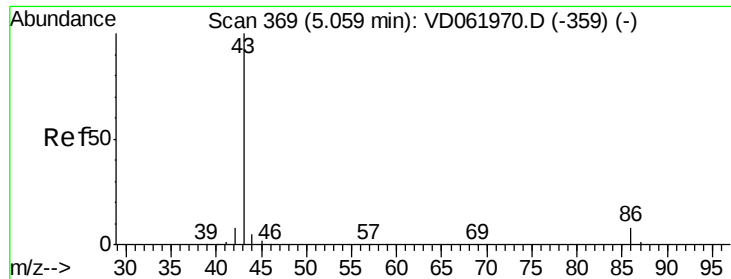
45 100

43 59.7 46.2 69.2

87 22.6 15.9 23.9

59 10.0 7.9 11.9





#23

Vinyl Acetate

Concen: 96.245 ug/l

RT: 5.03 min Scan# 367

Delta R.T. -0.03 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

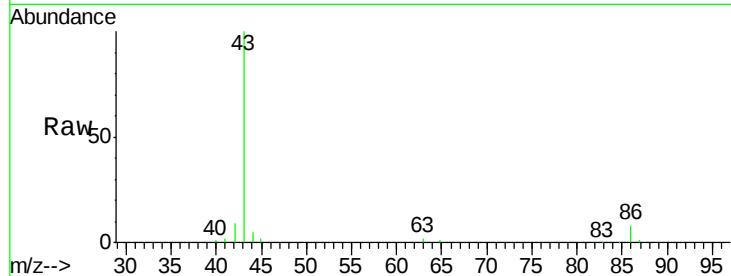
VD0430SBS01

Tot Ion: 43 Resp: 717243

Ion Ratio Lower Upper

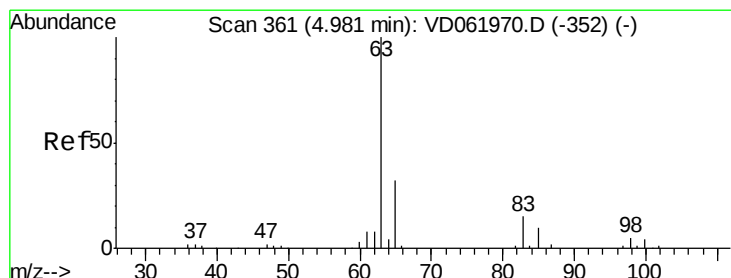
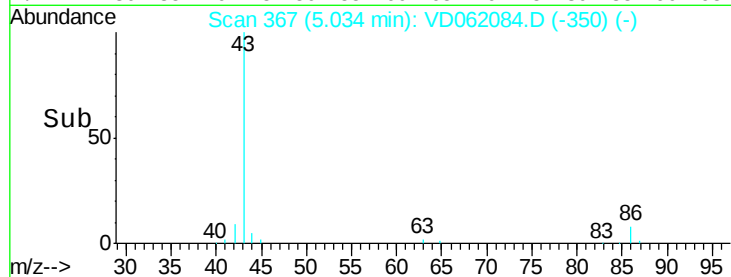
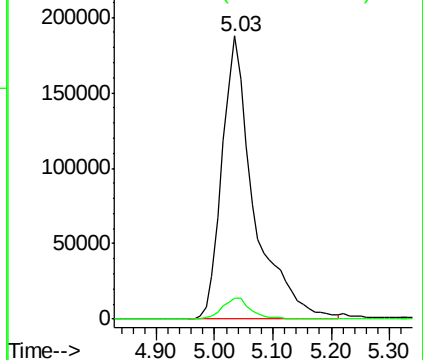
43 100

86 7.6 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.242 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.03 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

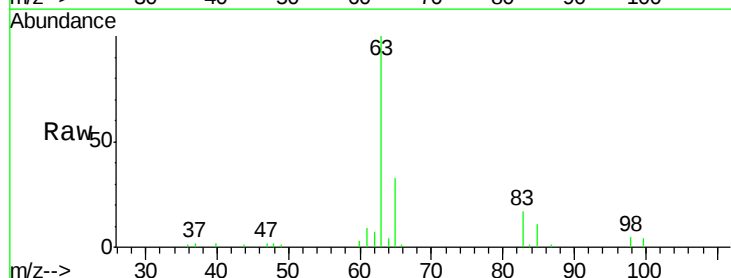
Tgt Ion: 63 Resp: 166429

Ion Ratio Lower Upper

63 100

98 4.8 2.8 8.4

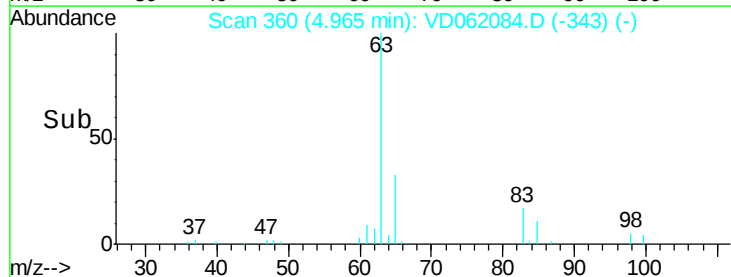
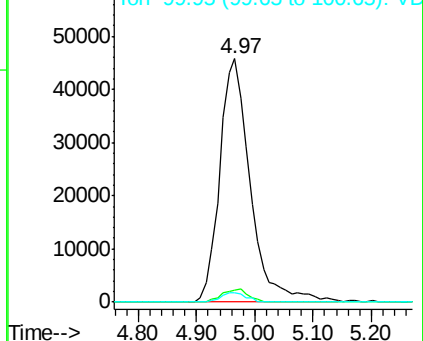
100 3.7 1.8 5.5



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: 96.778 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.03 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

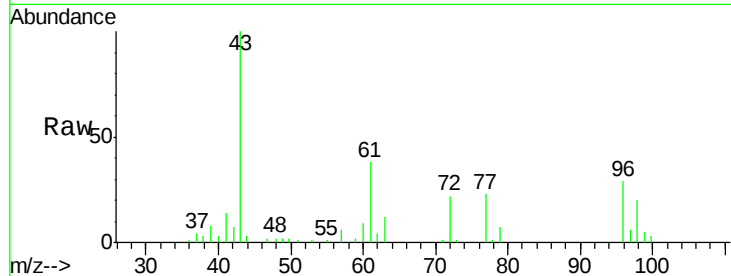
VD0430SBS01

Tot Ion: 43 Resp: 120749

Ion Ratio Lower Upper

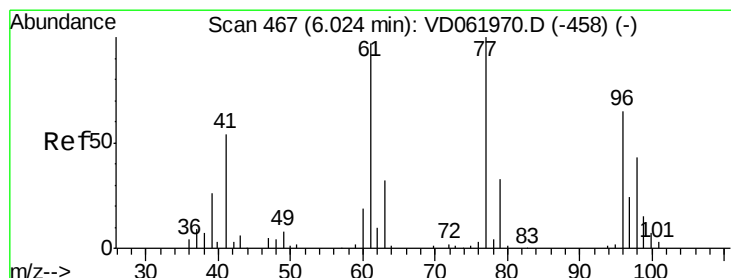
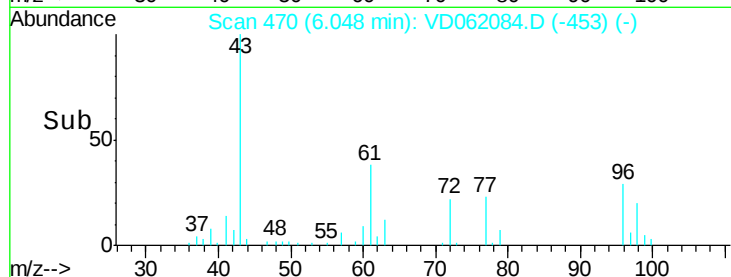
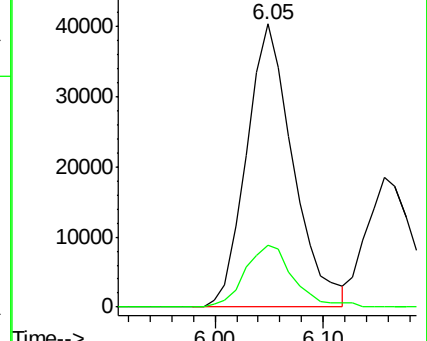
43 100

72 22.0 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.220 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.03 min

Lab File: VD062084.D

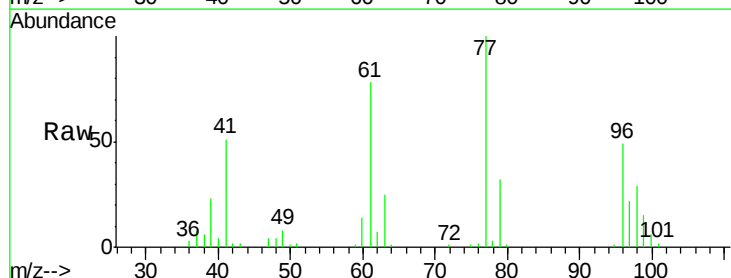
Acq: 30 Apr 2019 13:43

Tgt Ion: 77 Resp: 160113

Ion Ratio Lower Upper

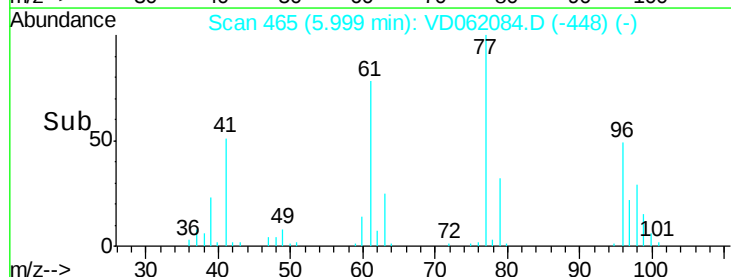
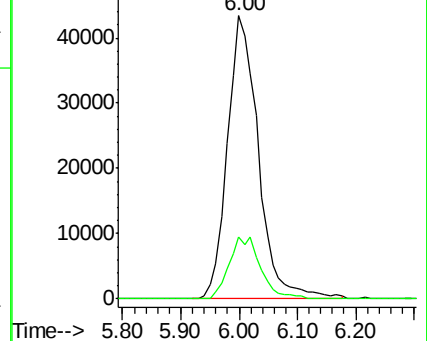
77 100

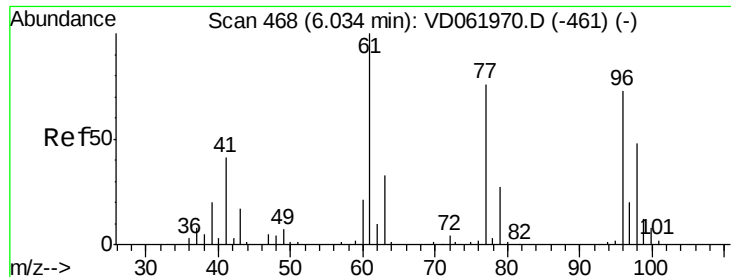
97 22.0 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



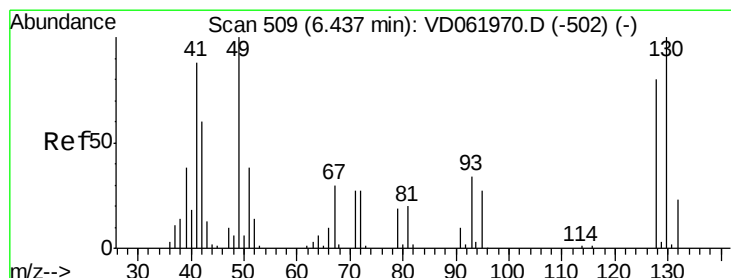
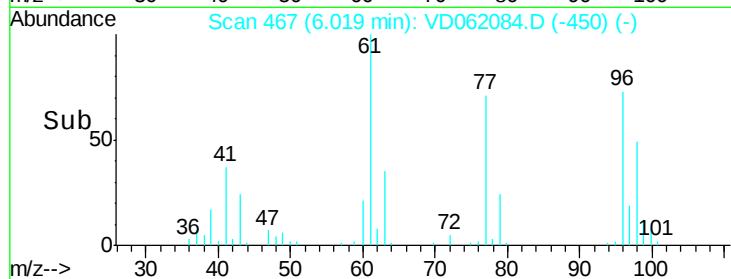
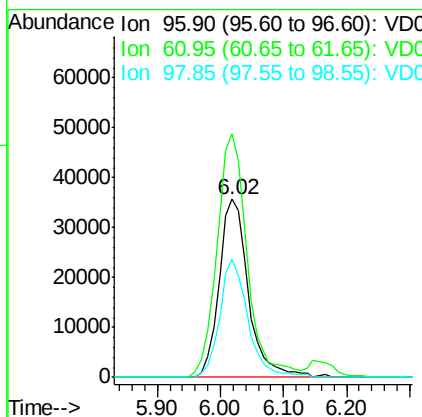
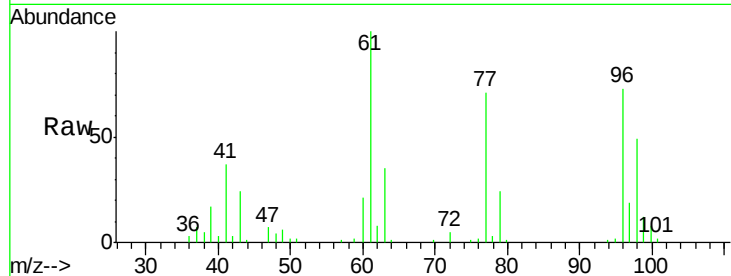


#27

cis-1,2-Dichloroethene
Concen: 19.705 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD0430SBS01

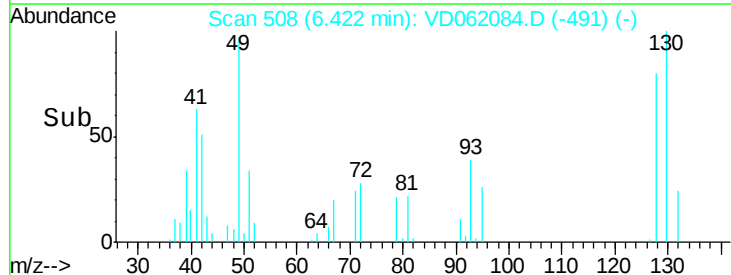
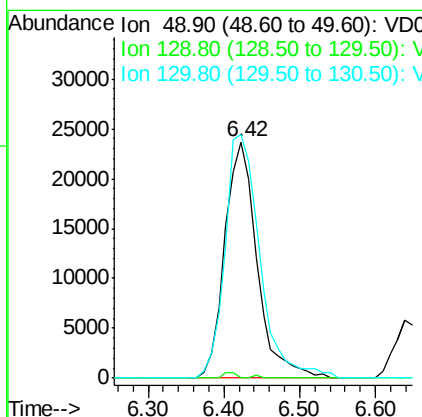
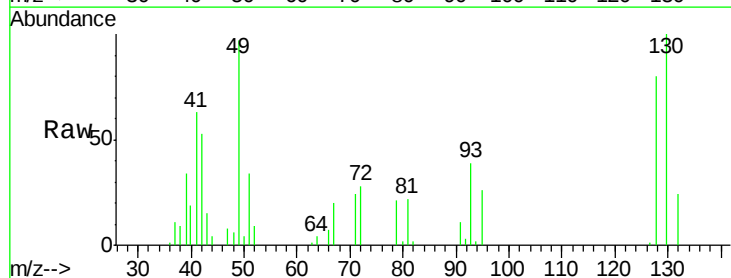
Tot Ion: 96 Resp: 115430
Ion Ratio Lower Upper
96 100
61 136.9 0.0 279.8
98 66.7 0.0 136.0

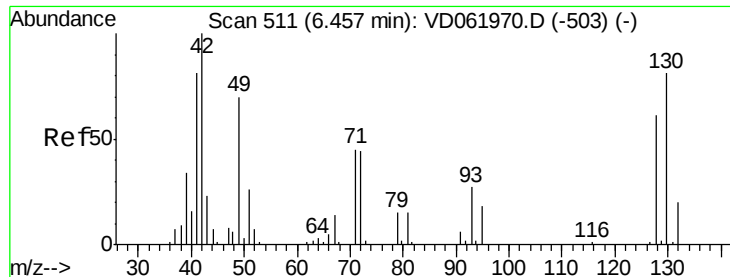


#28

Bromochloromethane
Concen: 21.149 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Tgt Ion: 49 Resp: 69992
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 103.1 86.7 130.1





#29

Tetrahydrofuran

Concen: 92.050 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0430SBS01

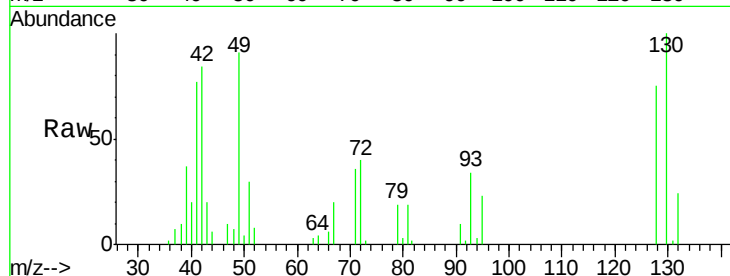
Tot Ion: 42 Resp: 56590

Ion Ratio Lower Upper

42 100

72 49.9 37.8 56.6

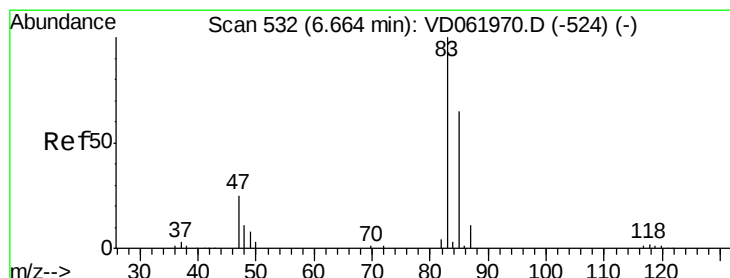
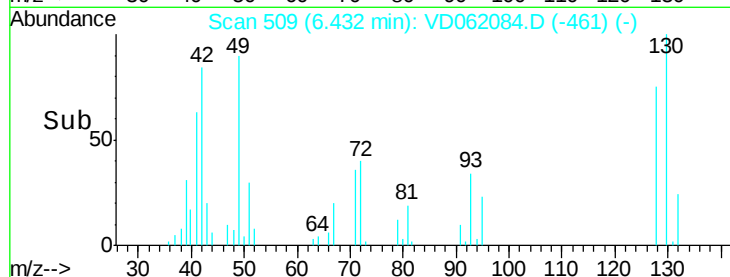
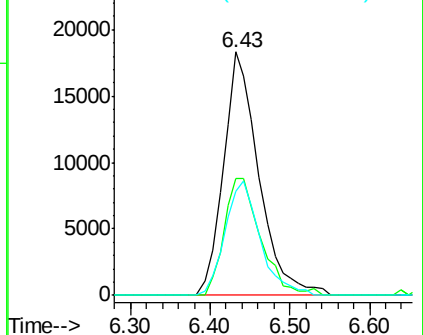
71 46.9 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.265 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.03 min

Lab File: VD062084.D

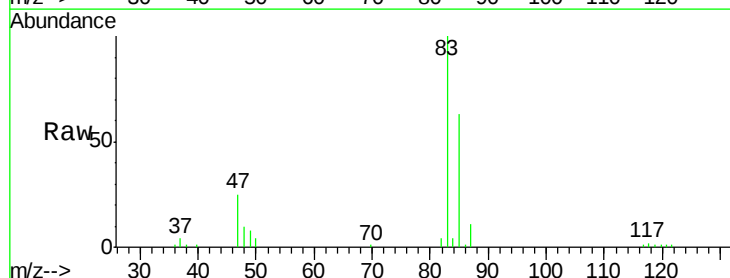
Acq: 30 Apr 2019 13:43

Tgt Ion: 83 Resp: 199085

Ion Ratio Lower Upper

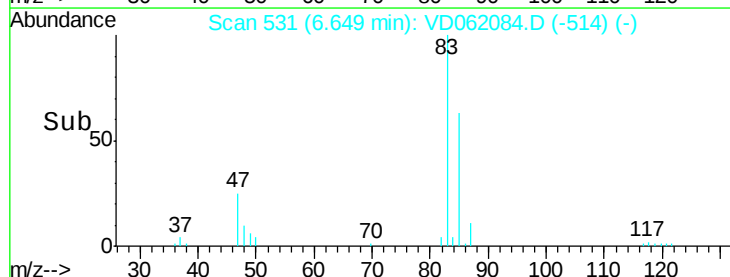
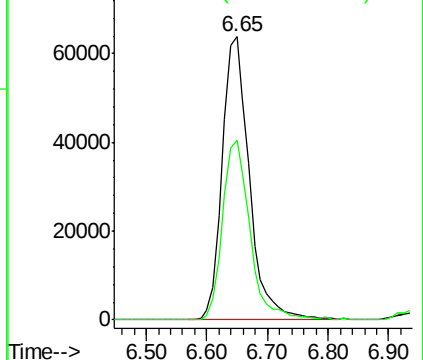
83 100

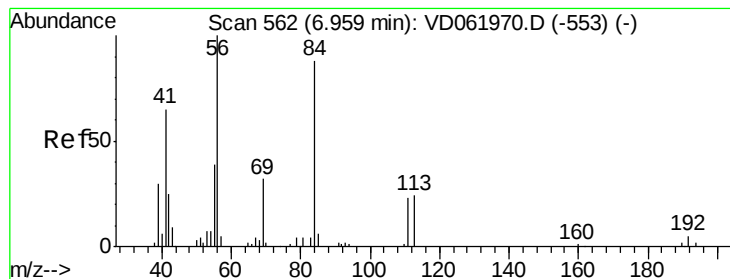
85 63.3 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 19.140 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.02 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0430SBS01

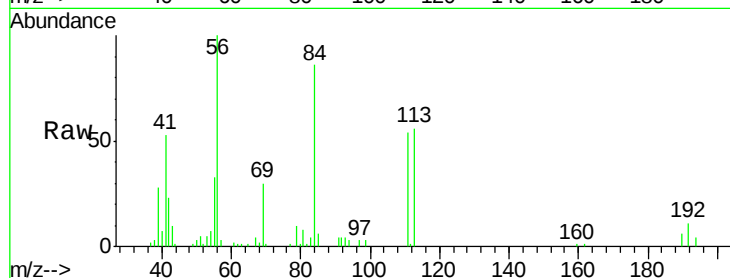
Tot Ion: 56 Resp: 122874

Ion Ratio Lower Upper

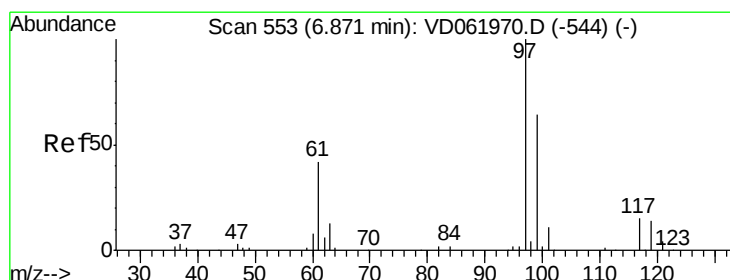
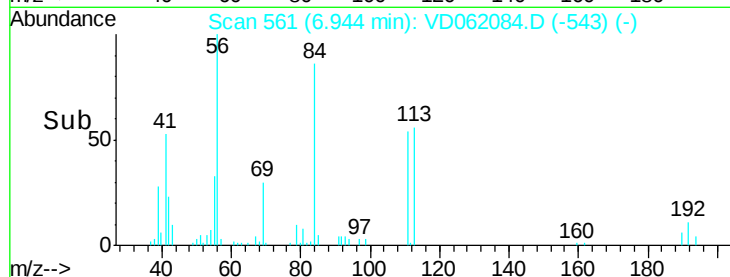
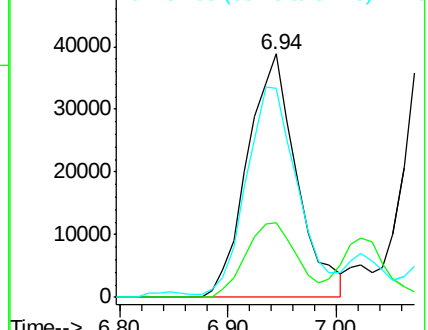
56 100

69 30.4 25.8 38.6

84 86.1 72.2 108.4



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: 20.078 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.03 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

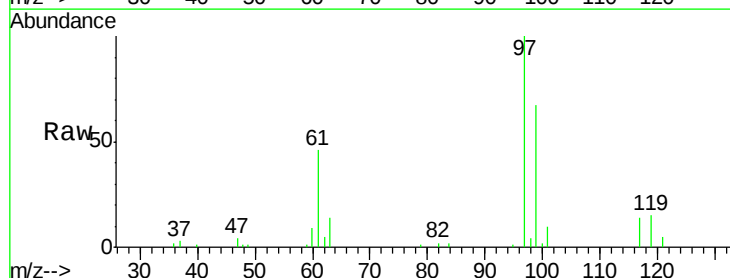
Tgt Ion: 97 Resp: 171623

Ion Ratio Lower Upper

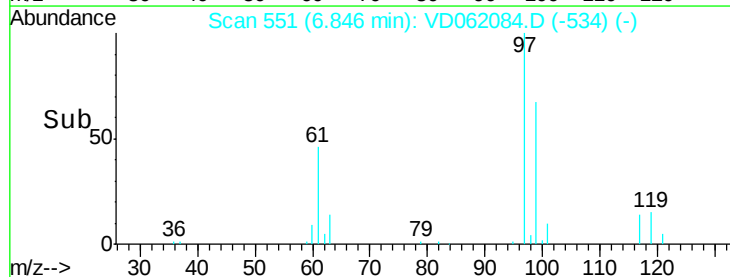
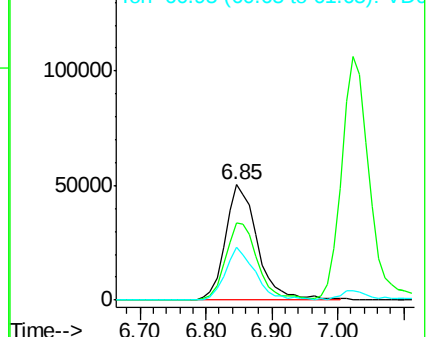
97 100

99 66.5 52.2 78.2

61 45.9 32.4 48.6



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

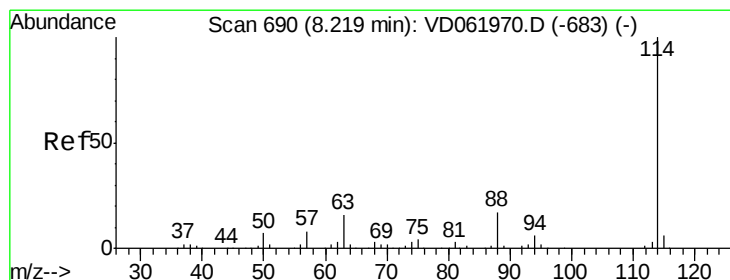
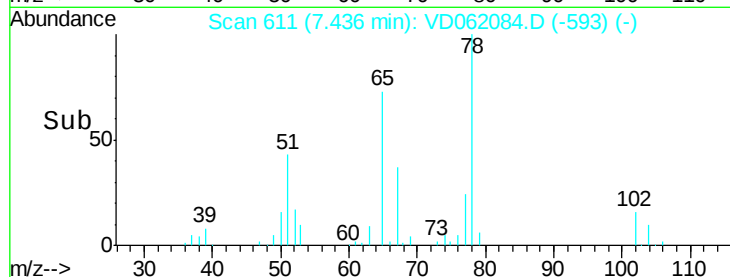
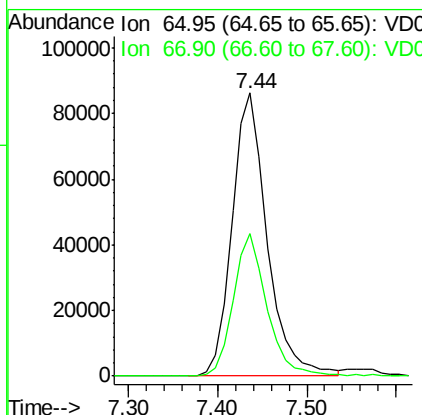
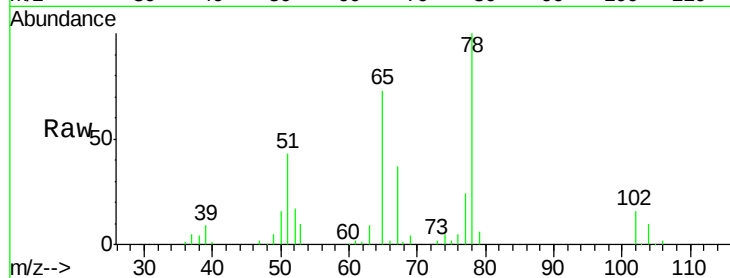




#33
 1,2-Dichloroethane-d4
 Concen: 54.712 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

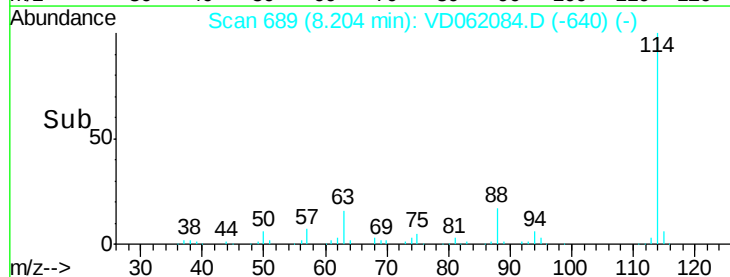
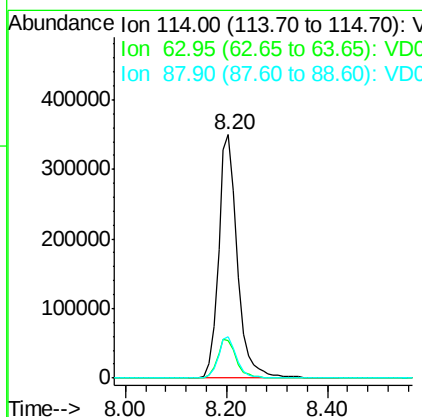
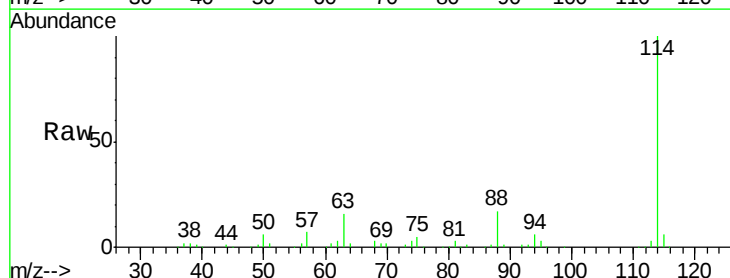
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0430SBS01

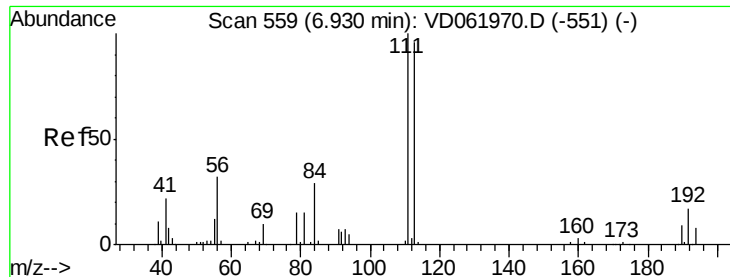
Tot Ion: 65 Resp: 235805
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Tgt Ion: 114 Resp: 909532
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 32.4
 88 17.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 52.552 ug/l

RT: 6.90 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0430SBS01

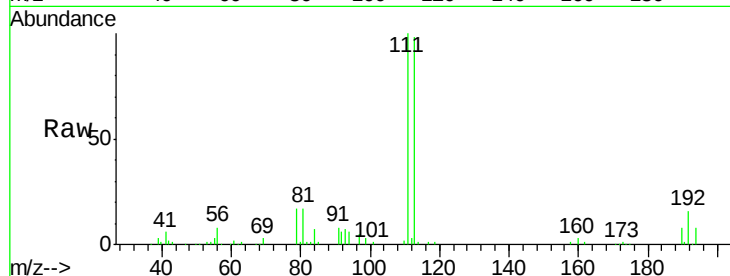
Tot Ion:113 Resp: 330569

Ion Ratio Lower Upper

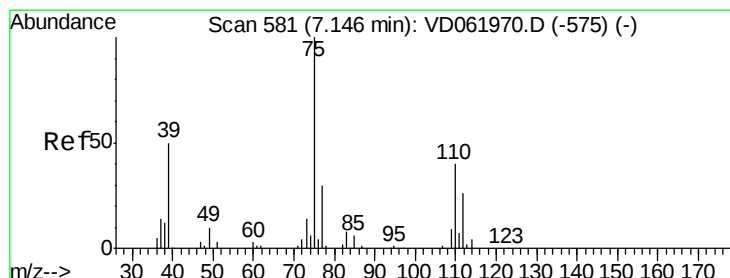
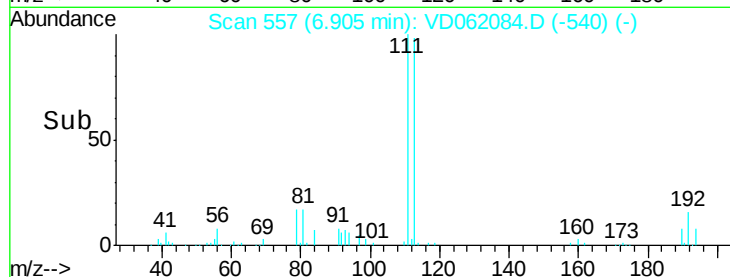
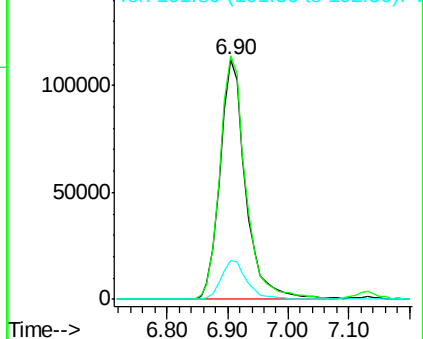
113 100

111 101.6 78.5 117.7

192 16.1 13.0 19.4



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: 19.846 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

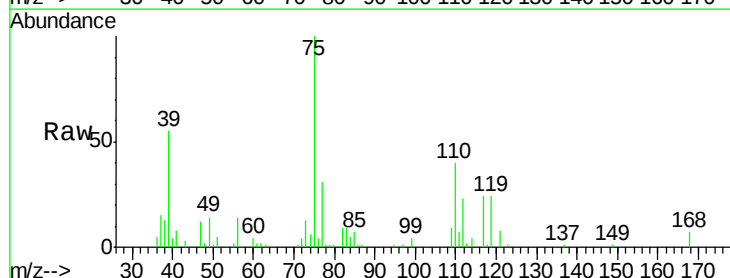
Tgt Ion: 75 Resp: 140633

Ion Ratio Lower Upper

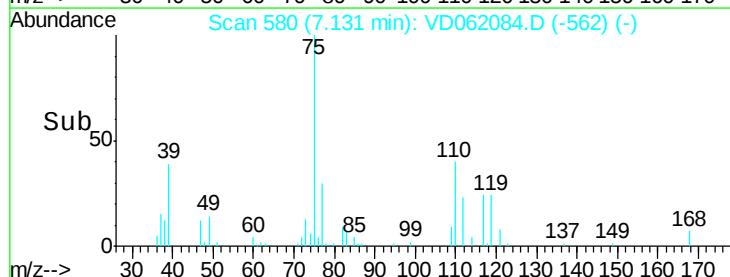
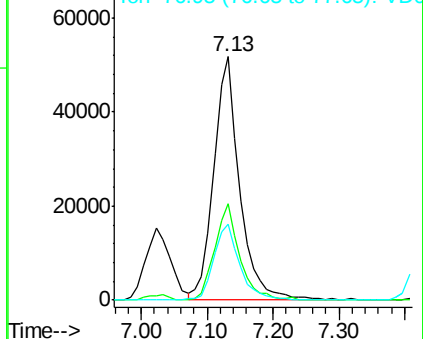
75 100

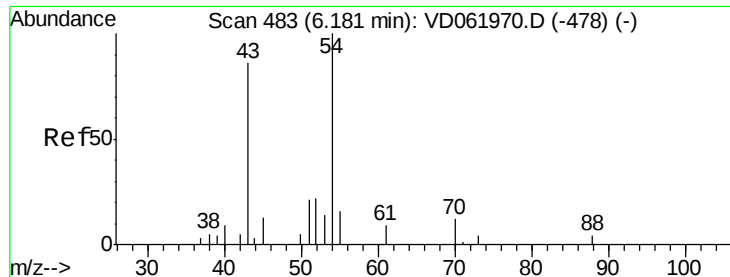
110 39.6 19.1 57.1

77 30.9 25.6 38.4



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

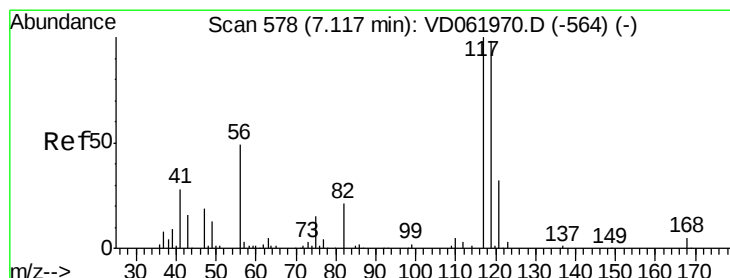
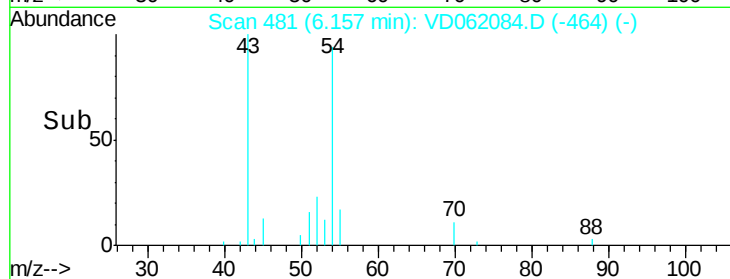
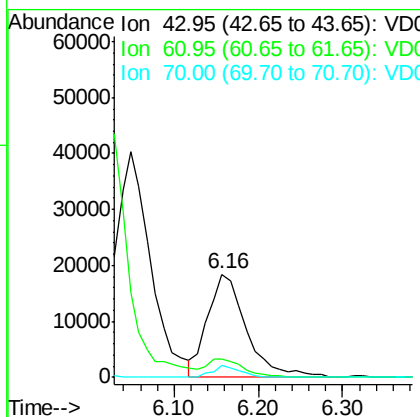
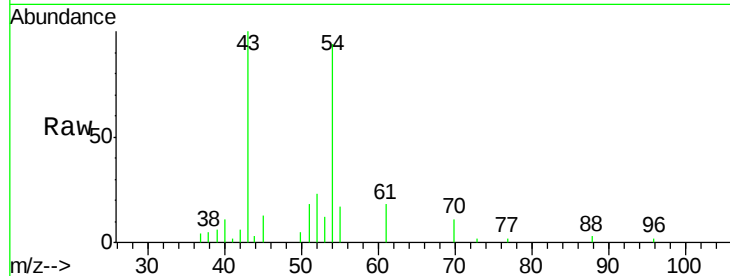




#37
Ethyl Acetate
Concen: 19.556 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

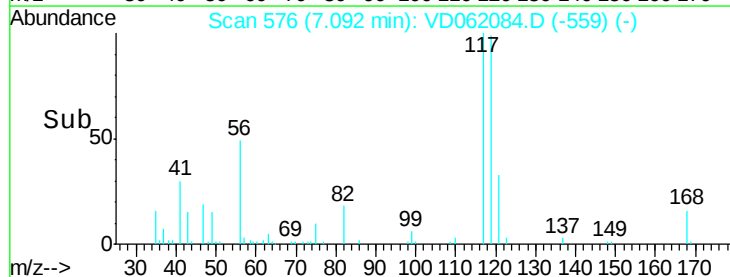
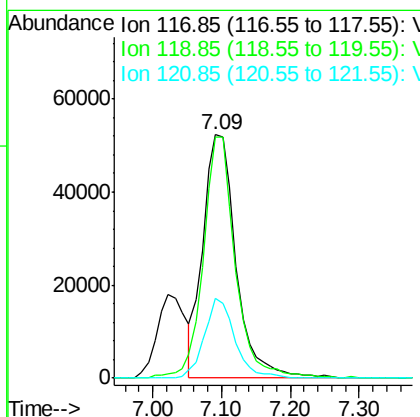
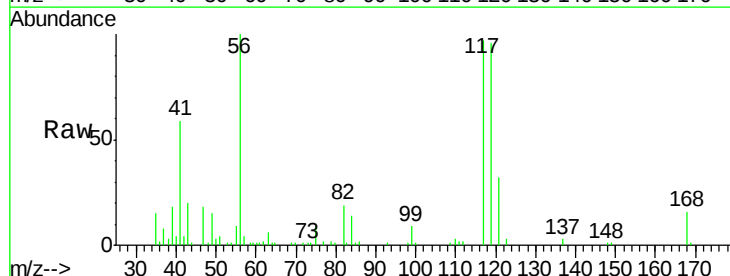
Instrument :
MSVOA_D
ClientSampleID :
VD0430SBS01

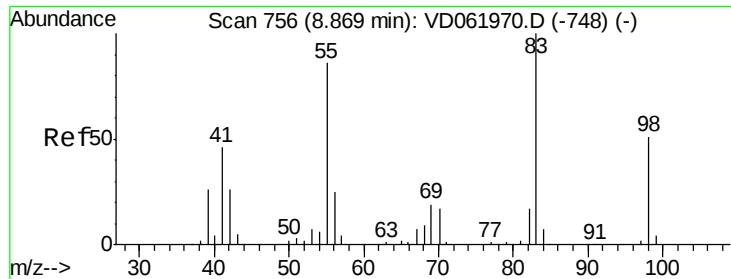
Tot Ion: 43 Resp: 59052
Ion Ratio Lower Upper
43 100
61 17.5 14.7 22.1
70 11.0 7.8 11.6



#38
Carbon Tetrachloride
Concen: 19.475 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.03 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Tgt Ion: 117 Resp: 174874
Ion Ratio Lower Upper
117 100
119 98.8 75.8 113.8
121 32.6 25.9 38.9

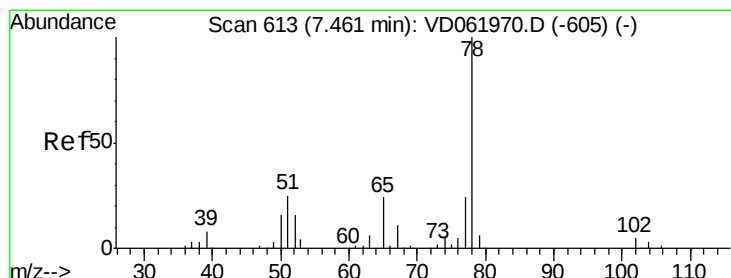
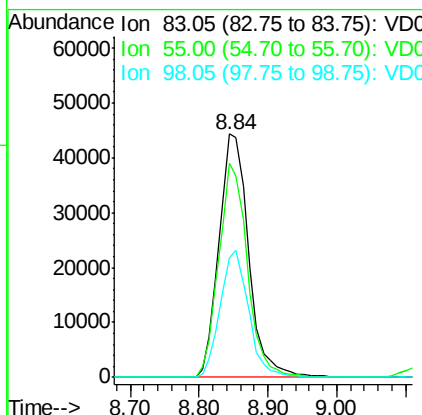
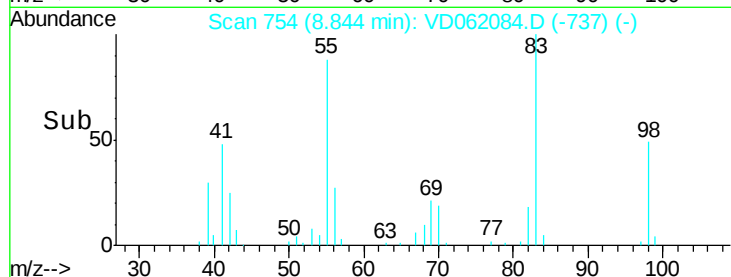
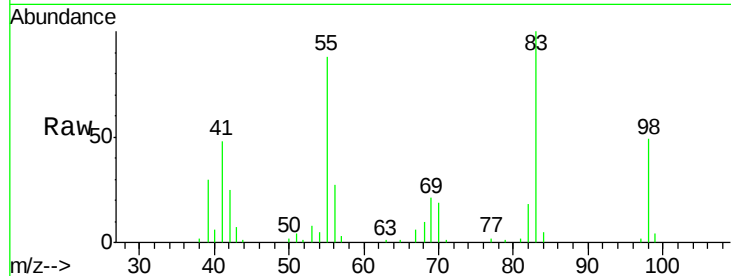




#39
Methvlcvclohexane
Concen: 18.998 ug/l
RT: 8.84 min Scan# 754
Delta R.T. -0.03 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

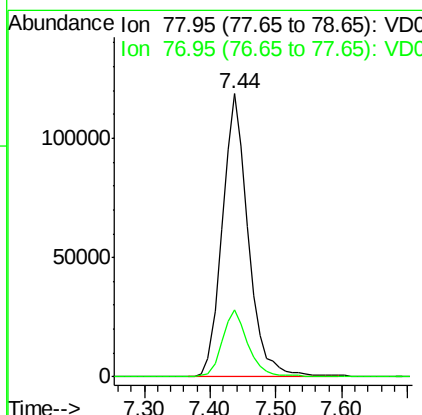
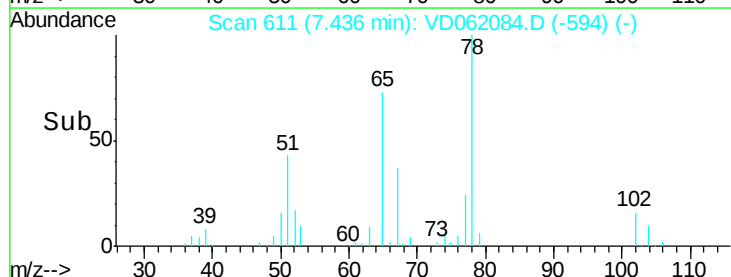
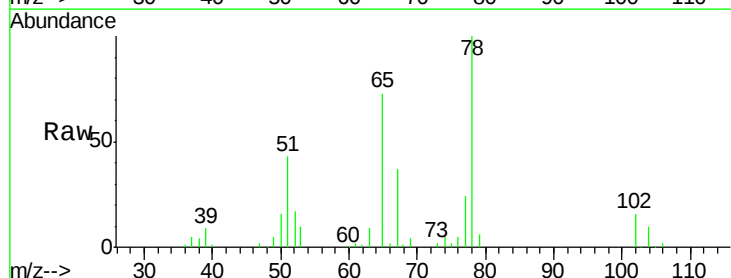
Instrument :
MSVOA_D
ClientSampleId :
VD0430SBS01

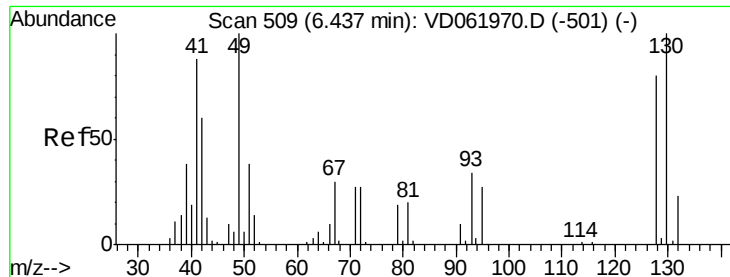
Tot Ion: 83 Resp: 132827
Ion Ratio Lower Upper
83 100
55 87.9 68.2 102.4
98 49.1 38.2 57.4



#40
Benzene
Concen: 18.624 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Tgt Ion: 78 Resp: 326716
Ion Ratio Lower Upper
78 100
77 23.6 19.7 29.5

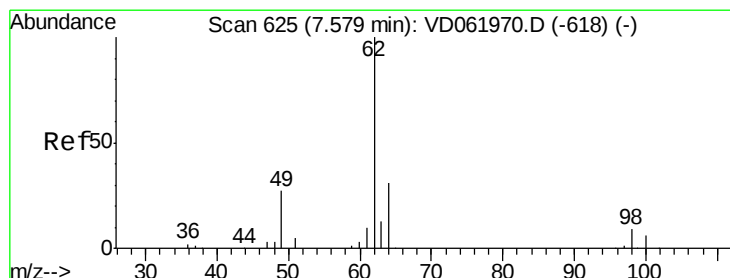
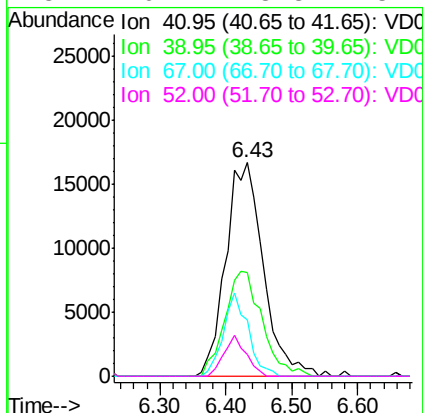
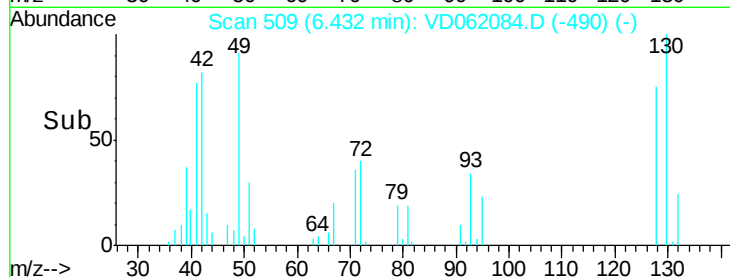
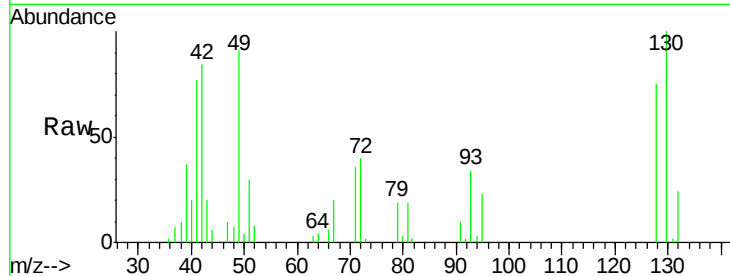




#41
Methacrylonitrile
Concen: 18.968 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

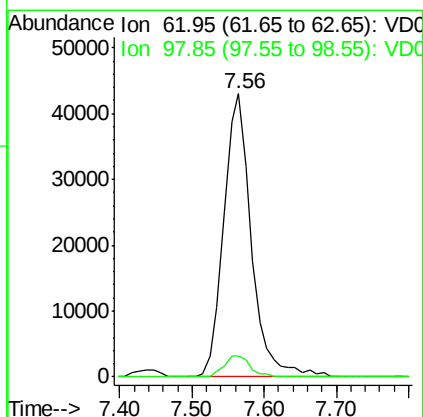
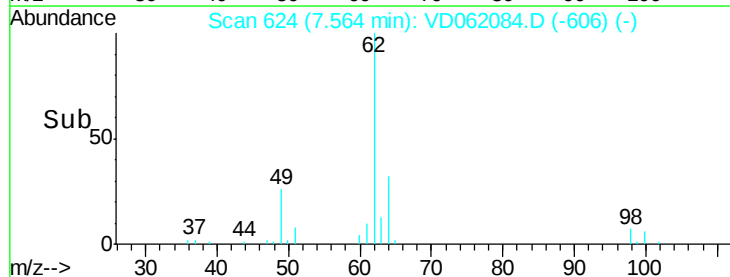
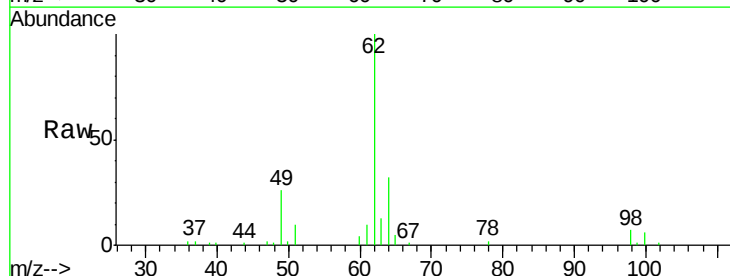
Instrument :
MSVOA_D
ClientSampleId :
VD0430SBS01

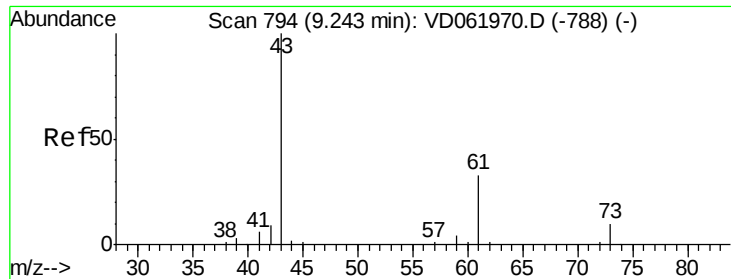
Tot Ion:	41	Resp:	66831
Ion	Ratio	Lower	Upper
41	100		
39	48.7	34.1	51.1
67	26.1	23.8	35.6
52	10.2	8.8	13.2



#42
1,2-Dichloroethane
Concen: 19.132 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.02 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Tgt Ion:	62	Resp:	113958
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	17.8



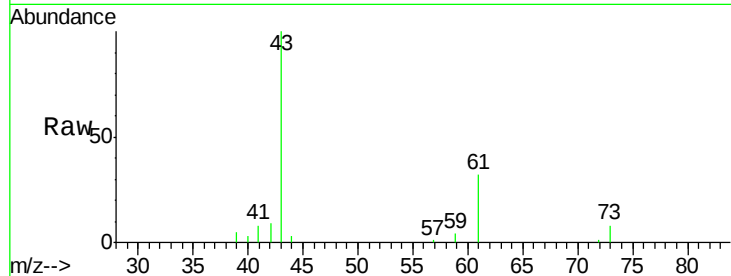


#43

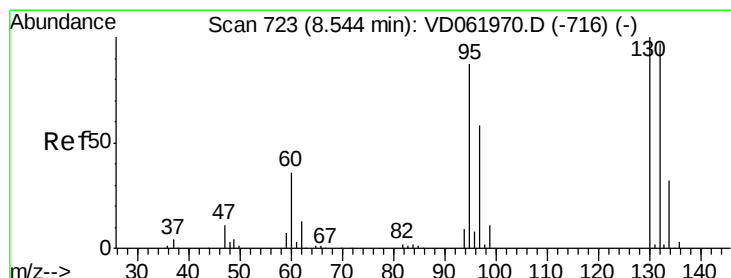
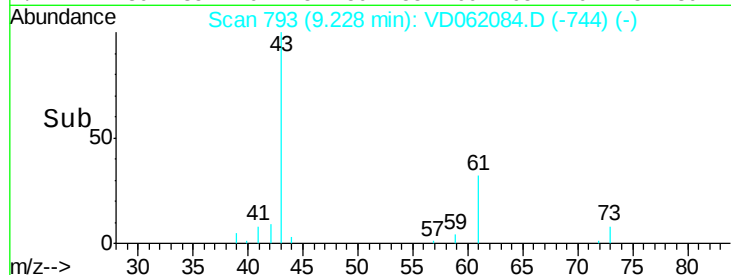
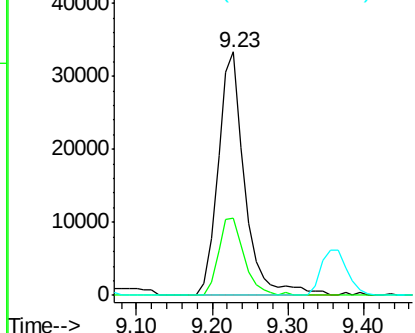
Isopropyl Acetate
 Concen: 18.417 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0430SBS01

Tot Ion: 43 Resp: 81258
 Ion Ratio Lower Upper
 43 100
 61 31.5 25.1 37.7
 87 0.0 0.0 0.0



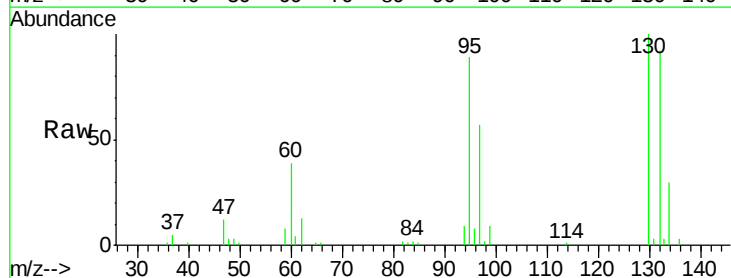
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



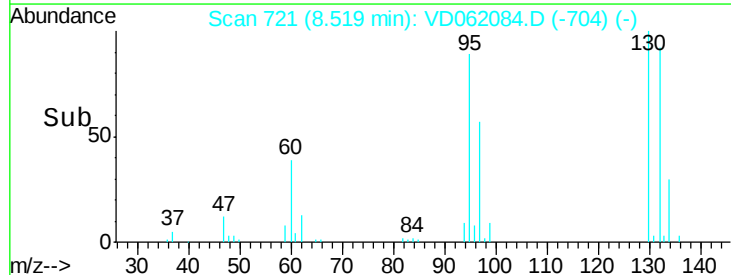
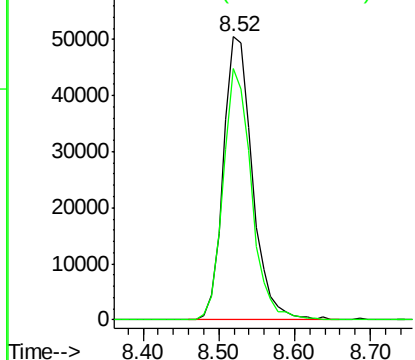
#44

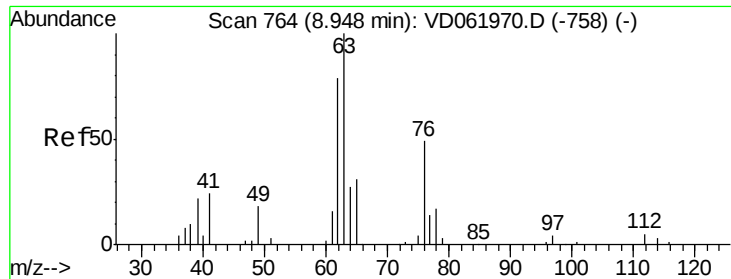
Trichloroethene
 Concen: 19.687 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. -0.03 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Tgt Ion: 130 Resp: 133899
 Ion Ratio Lower Upper
 130 100
 95 88.7 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 18.347 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

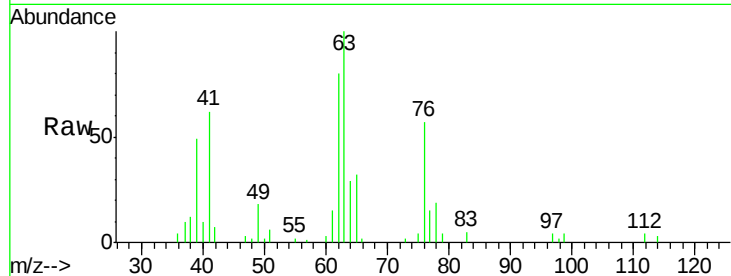
VD0430SBS01

Tot Ion: 63 Resp: 81653

Ion Ratio Lower Upper

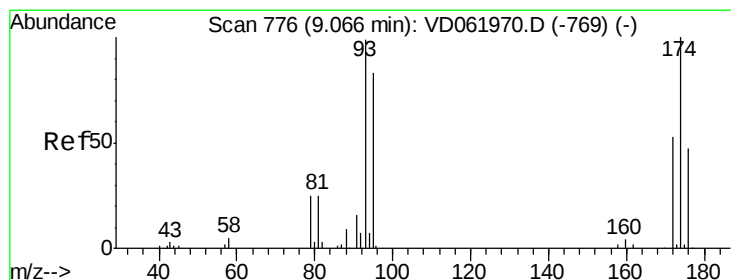
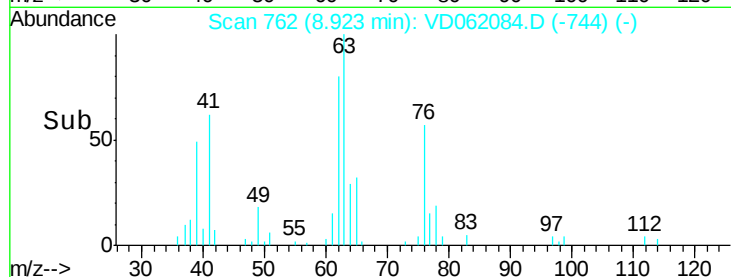
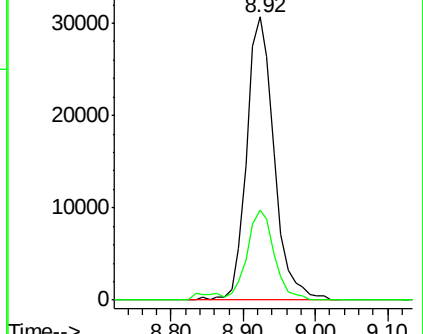
63 100

65 31.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.953 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

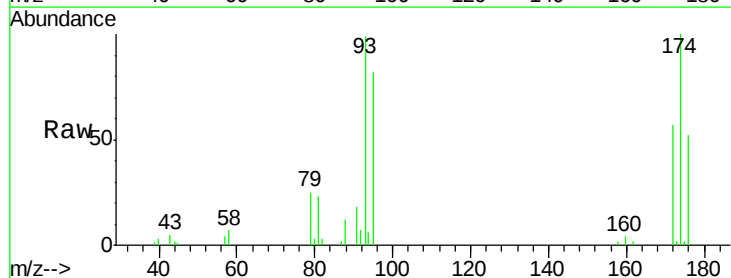
Tgt Ion: 93 Resp: 60695

Ion Ratio Lower Upper

93 100

95 83.2 64.8 97.2

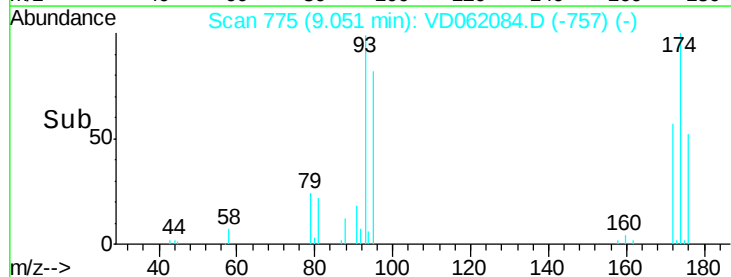
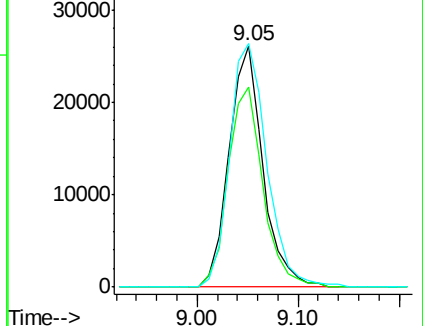
174 100.9 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.552 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.03 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0430SBS01

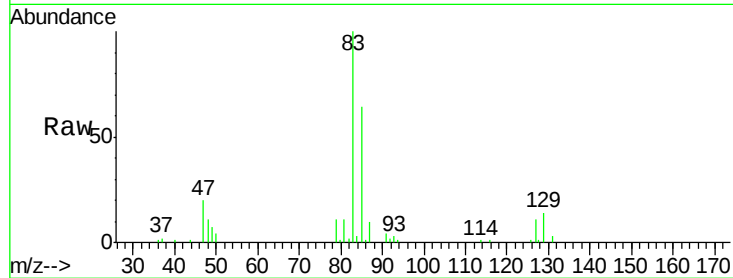
Tot Ion: 83 Resp: 147943

Ion Ratio Lower Upper

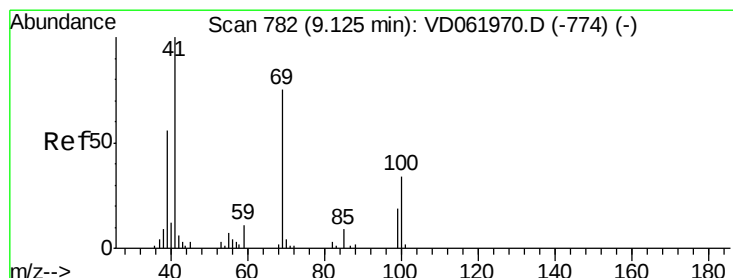
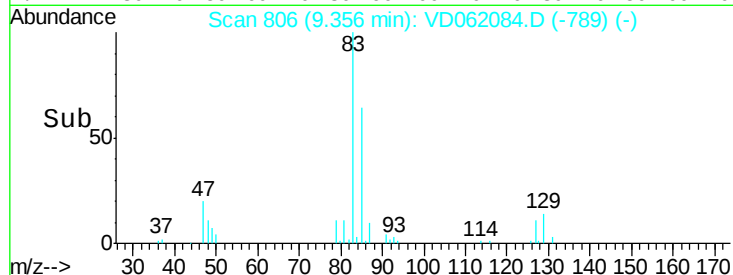
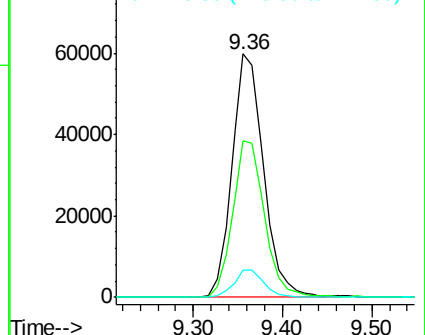
83 100

85 64.2 50.9 76.3

127 11.3 8.1 12.1



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): V



#48

Methyl methacrylate

Concen: 18.651 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

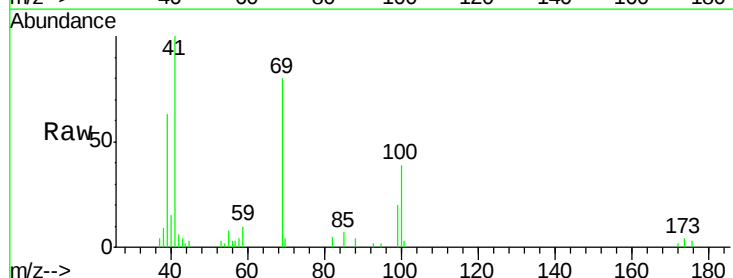
Tgt Ion: 41 Resp: 46952

Ion Ratio Lower Upper

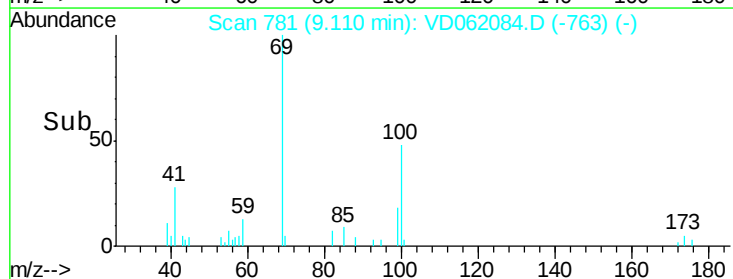
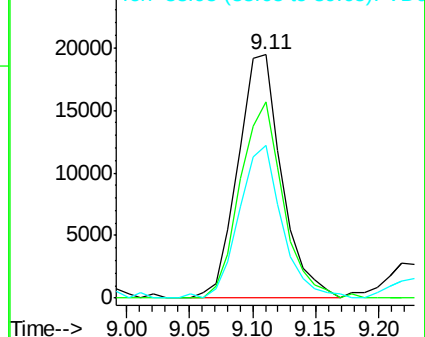
41 100

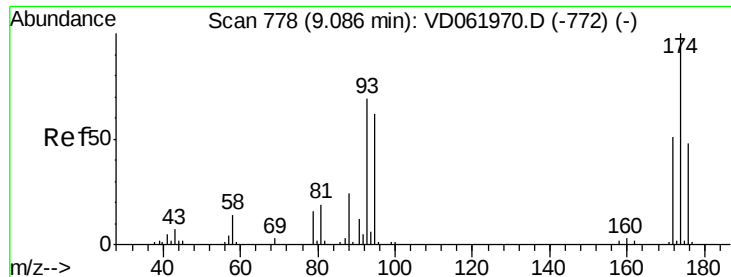
69 80.4 64.2 96.2

39 62.9 46.8 70.2



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

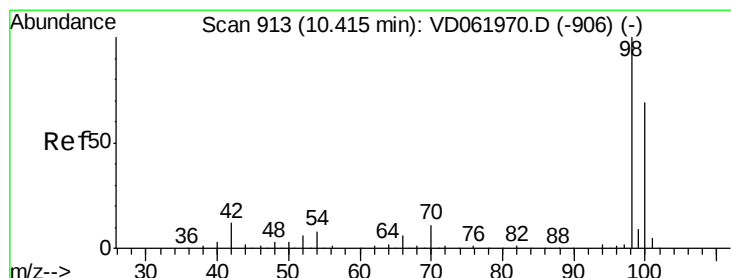
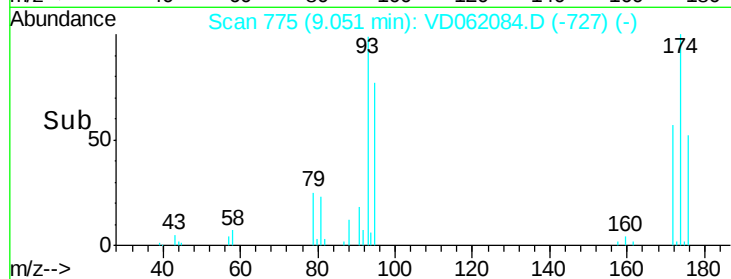
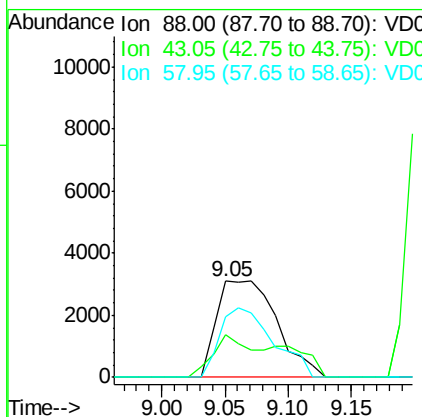
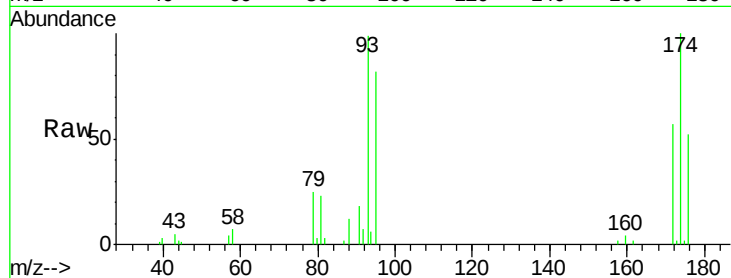




#49
1,4-Dioxane
Concen: 379.615 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.03 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

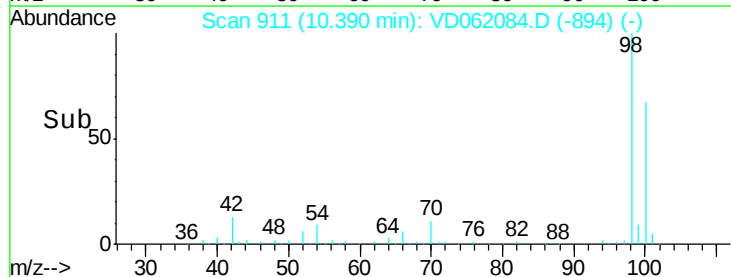
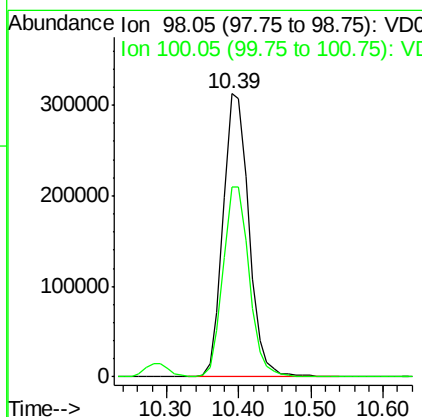
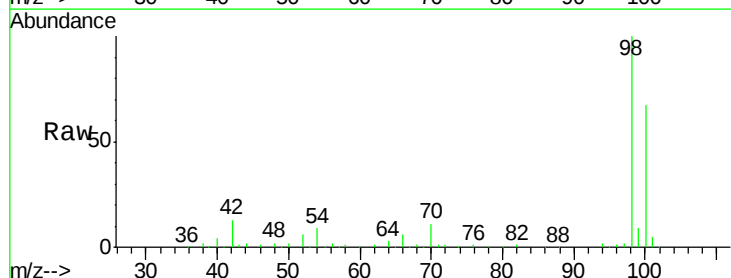
Instrument :
MSVOA_D
ClientSampleId :
VD0430SBS01

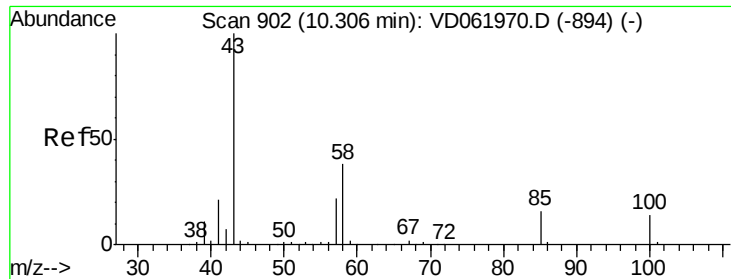
Tot Ion: 88 Resp: 10303
Ion Ratio Lower Upper
88 100
43 44.1 23.4 35.0#
58 63.3 44.0 66.0



#50
Toluene-d8
Concen: 51.840 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.03 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Tgt Ion: 98 Resp: 775927
Ion Ratio Lower Upper
98 100
100 67.2 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 98.336 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

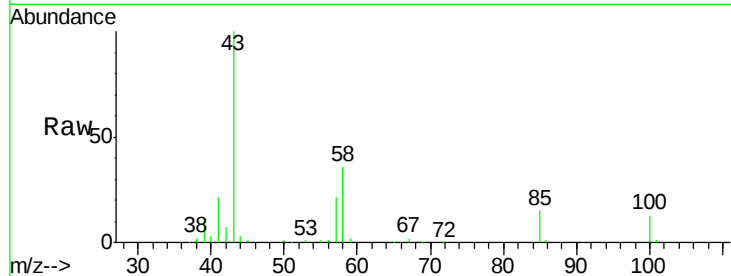
VD0430SBS01

Tot Ion: 43 Resp: 265342

Ion Ratio Lower Upper

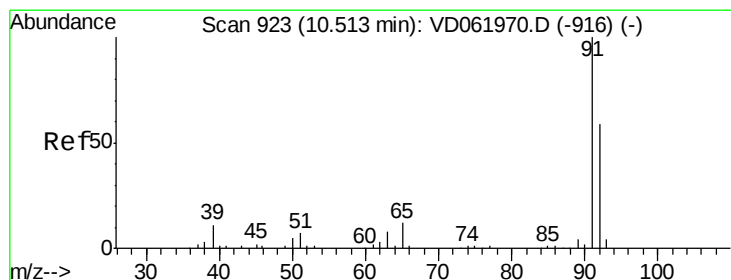
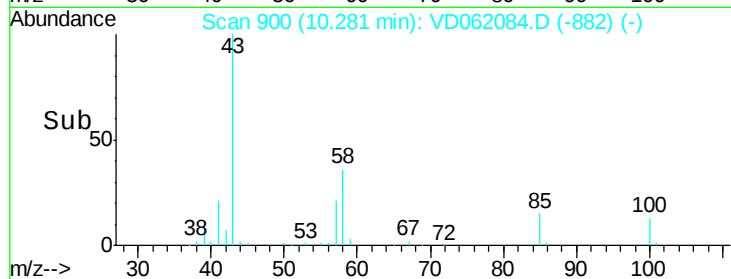
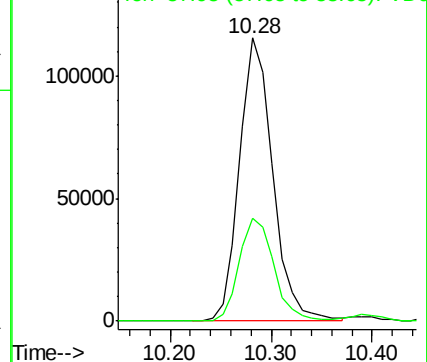
43 100

58 36.2 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.006 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD062084.D

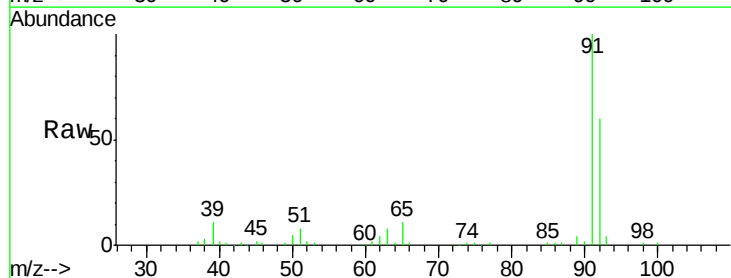
Acq: 30 Apr 2019 13:43

Tgt Ion: 92 Resp: 212591

Ion Ratio Lower Upper

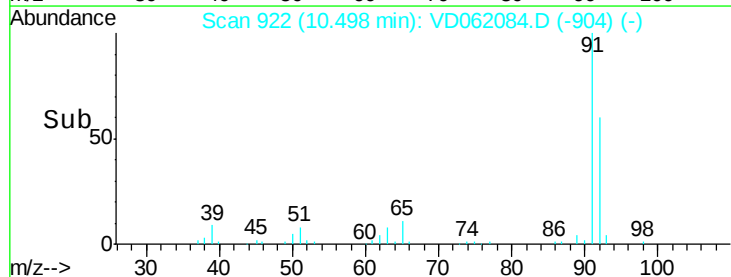
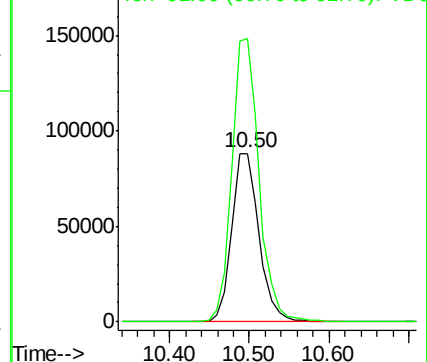
92 100

91 168.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

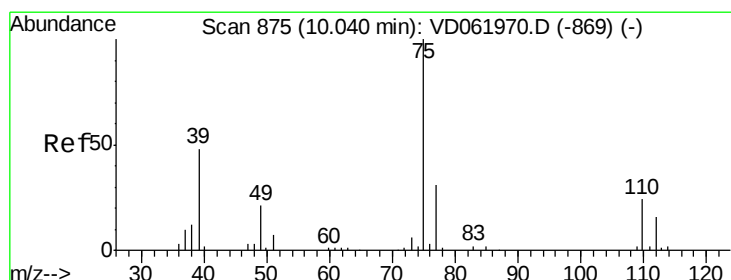
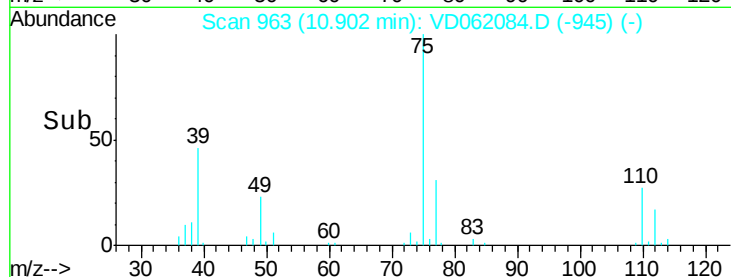
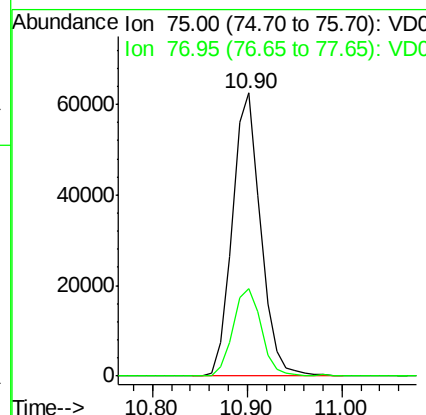
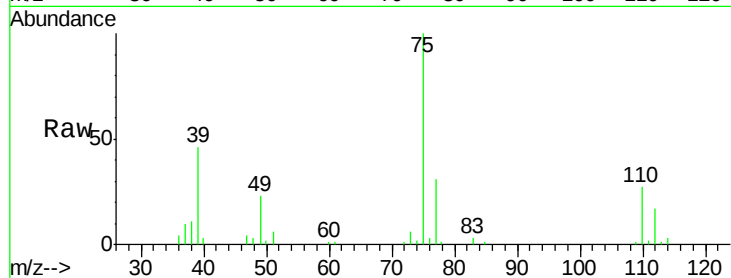




#53
t-1,3-Dichloropropene
Concen: 20.331 ug/l
RT: 10.90 min Scan# 963
Delta R.T. -0.02 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

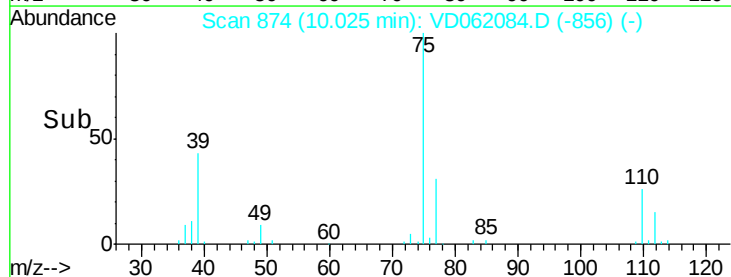
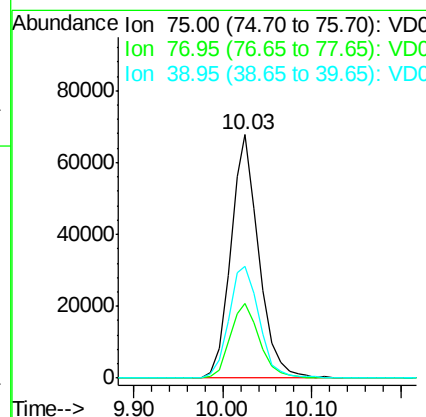
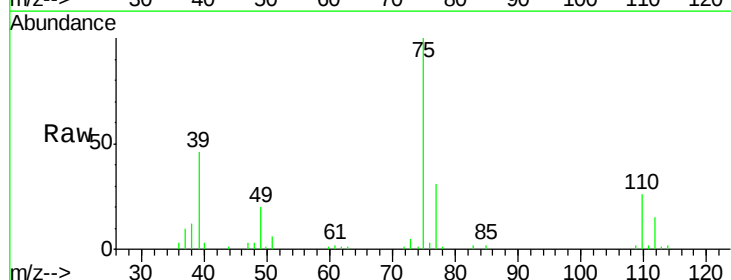
Instrument :
MSVOA_D
ClientSampleId :
VD0430SBS01

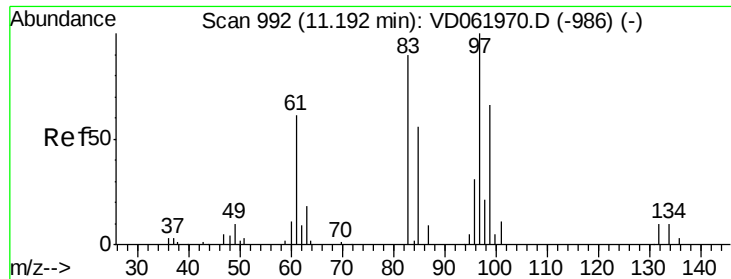
Tot Ion: 75 Resp: 129127
Ion Ratio Lower Upper
75 100
77 30.9 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 19.256 ug/l
RT: 10.03 min Scan# 874
Delta R.T. -0.02 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Tgt Ion: 75 Resp: 148753
Ion Ratio Lower Upper
75 100
77 30.5 25.5 38.3
39 46.1 39.4 59.2

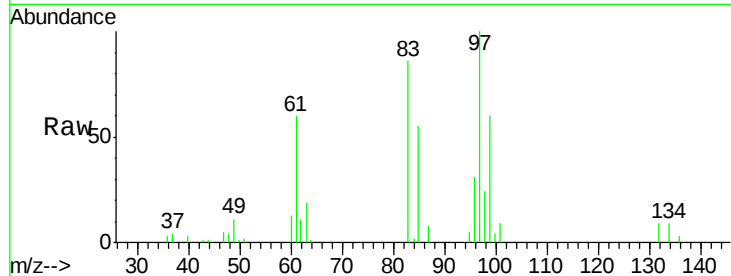




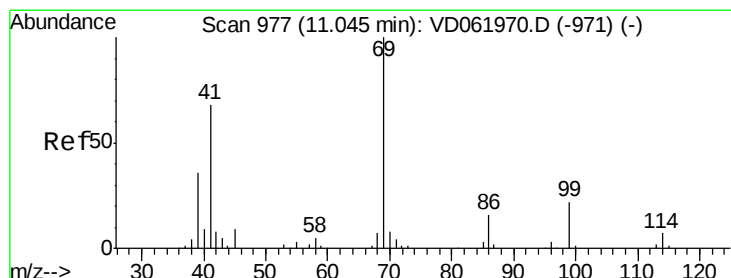
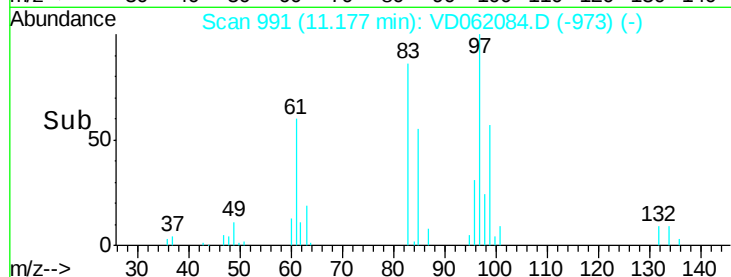
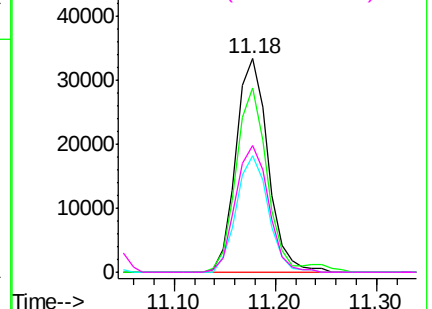
#55
 1,1,2-Trichloroethane
 Concen: 19.699 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0430SBS01

Tot Ion: 97 Resp: 73976
 Ion Ratio Lower Upper
 97 100
 83 86.1 65.7 98.5
 85 54.5 45.6 68.4
 99 59.6 48.4 72.6

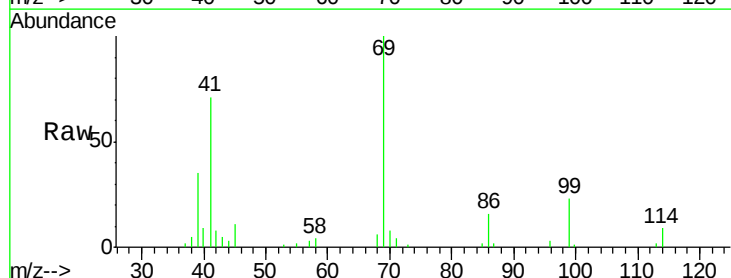


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

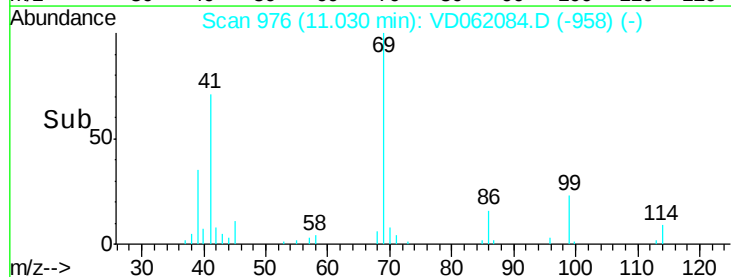
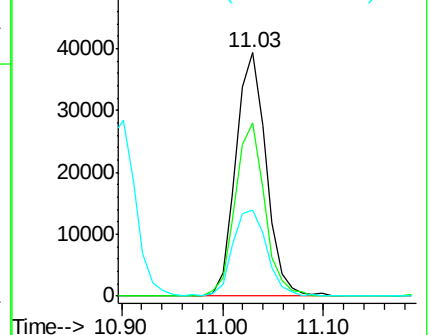


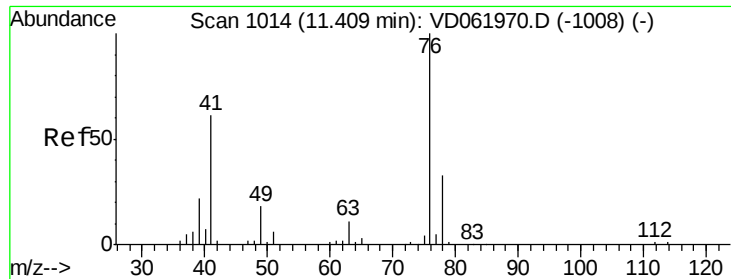
#56
 Ethyl methacrylate
 Concen: 19.817 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.02 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Tgt Ion: 69 Resp: 82420
 Ion Ratio Lower Upper
 69 100
 41 71.1 56.3 84.5
 39 35.4 29.4 44.2



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

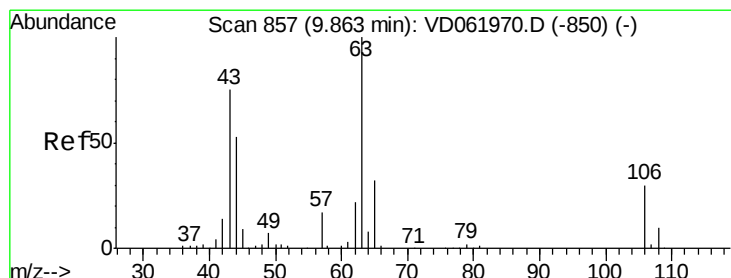
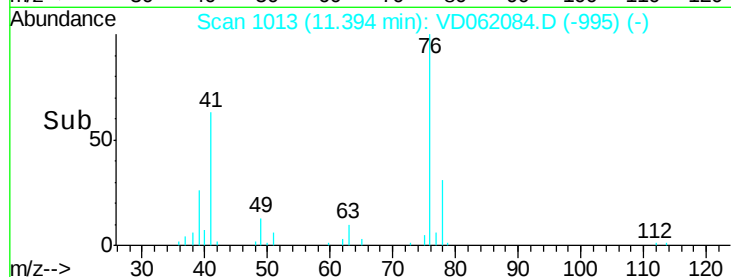
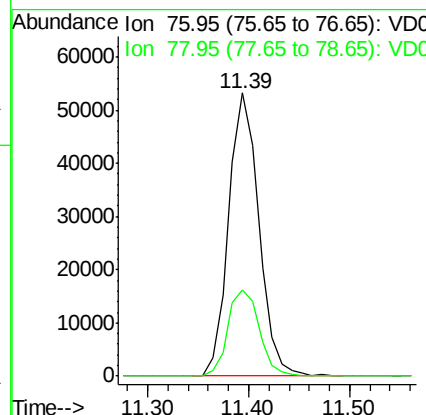
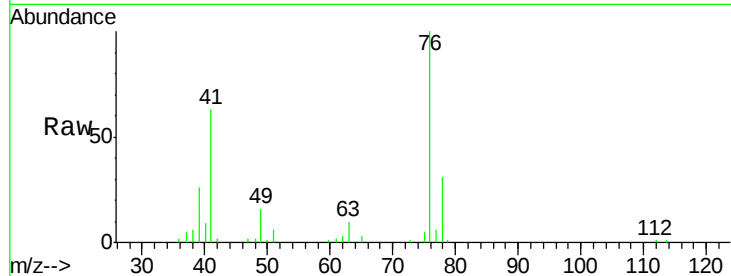




#57
 1,3-Dichloropropane
 Concen: 19.071 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.02 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

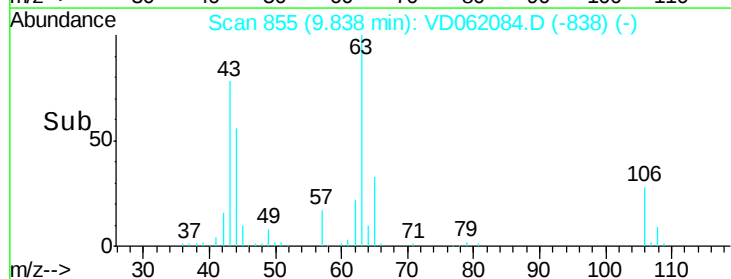
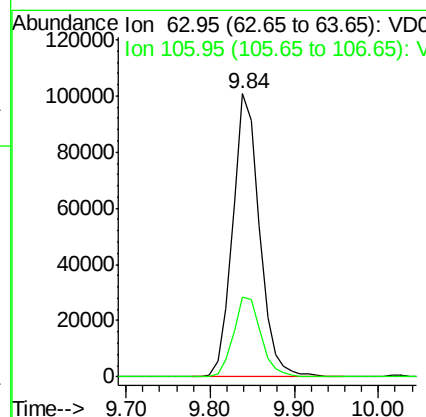
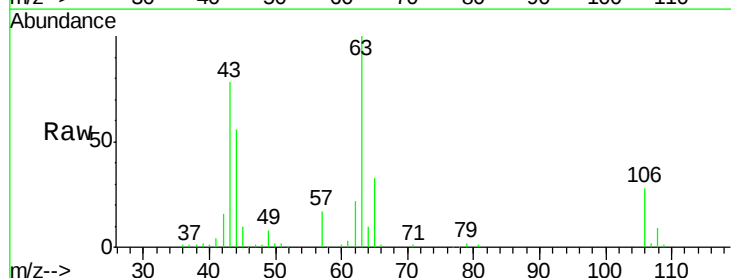
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0430SBS01

Tot Ion: 76 Resp: 110611
 Ion Ratio Lower Upper
 76 100
 78 30.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.108 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.03 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Tgt Ion: 63 Resp: 222584
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.6 34.0

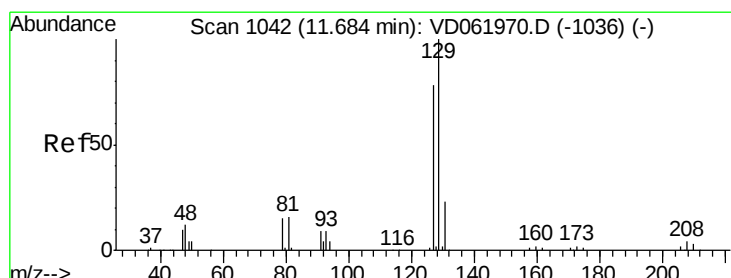
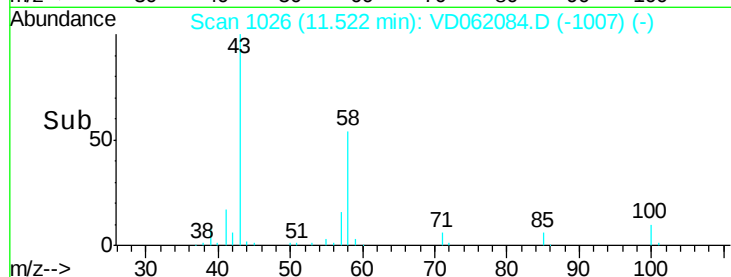
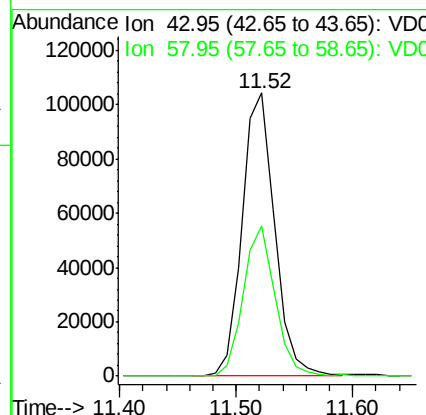
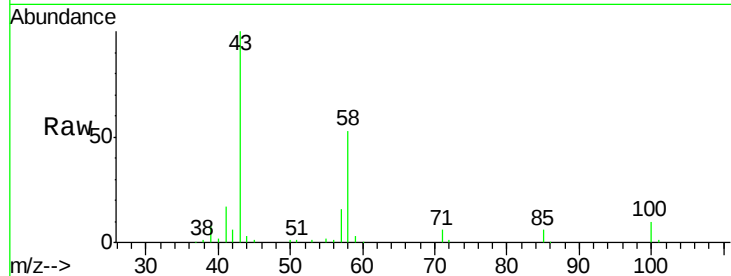




#59
2-Hexanone
Concen: 99.761 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

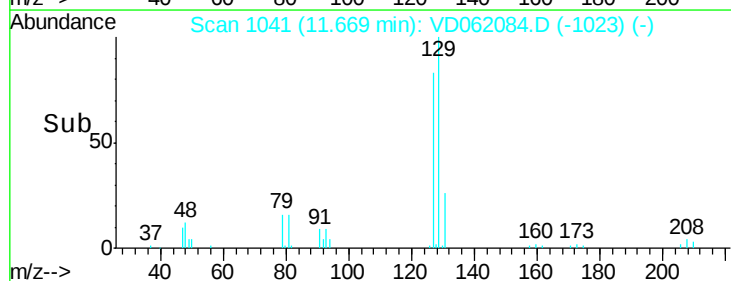
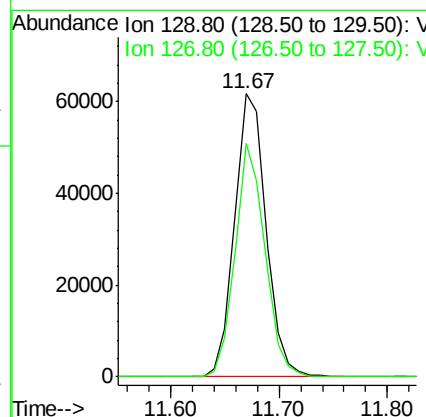
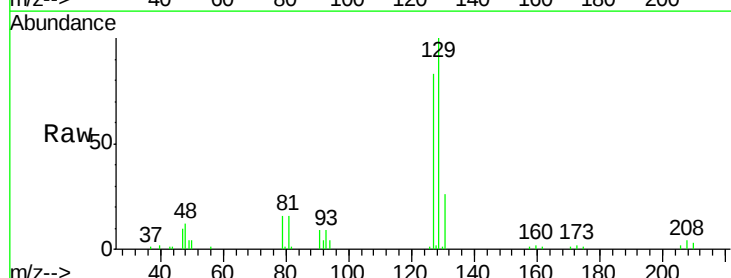
Instrument :
MSVOA_D
ClientSampleId :
VD0430SBS01

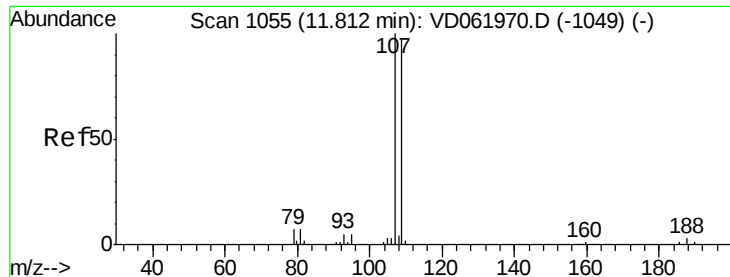
Tot Ion: 43 Resp: 201928
Ion Ratio Lower Upper
43 100
58 53.2 25.4 76.4



#60
Dibromochloromethane
Concen: 20.123 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Tgt Ion: 129 Resp: 125039
Ion Ratio Lower Upper
129 100
127 82.6 38.0 113.9

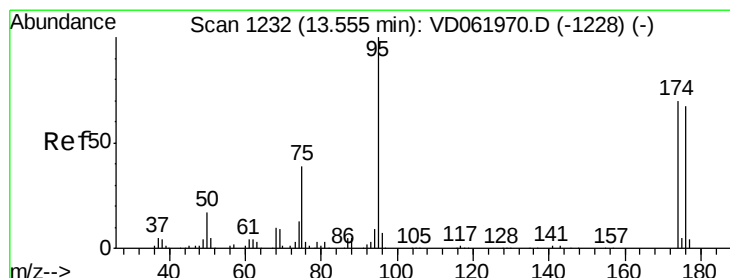
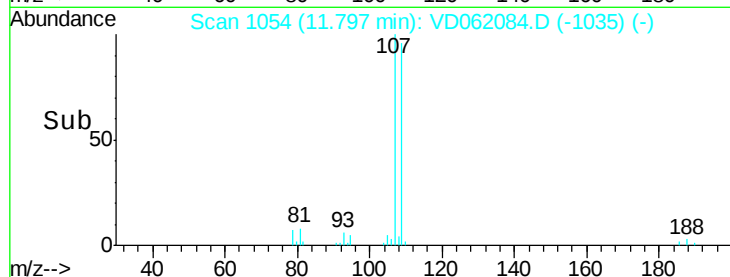
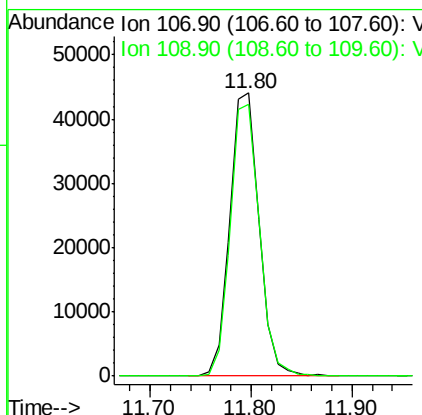
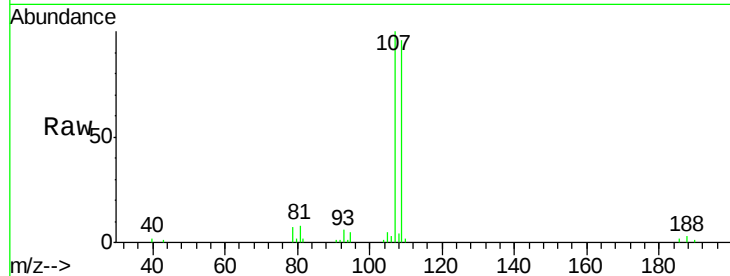




#61
 1,2-Dibromoethane
 Concen: 19.824 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

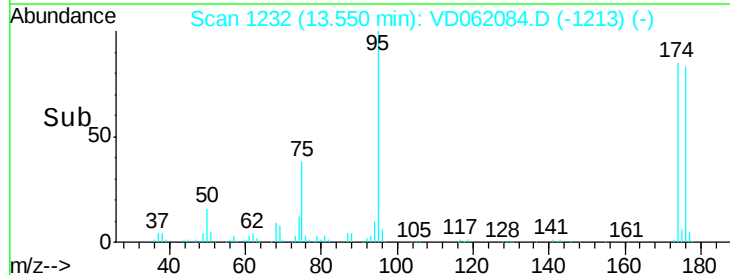
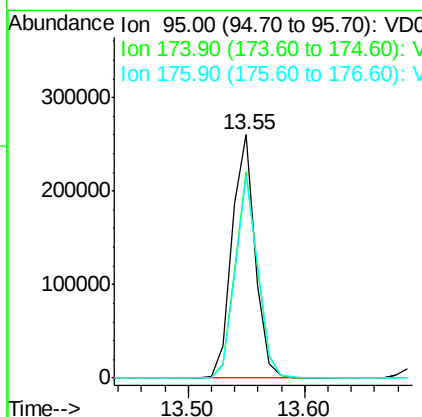
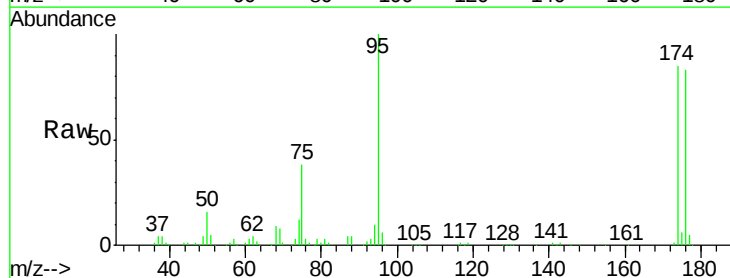
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0430SBS01

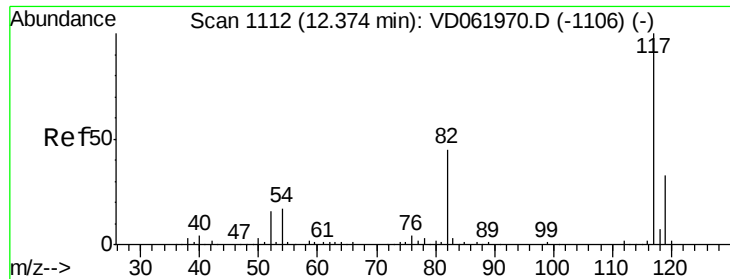
Tot Ion:107 Resp: 88309
 Ion Ratio Lower Upper
 107 100
 109 95.9 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 59.408 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Tgt Ion: 95 Resp: 356651
 Ion Ratio Lower Upper
 95 100
 174 84.9 0.0 181.8
 176 83.0 0.0 174.4

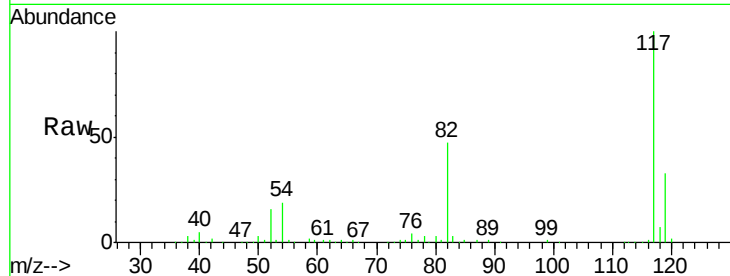




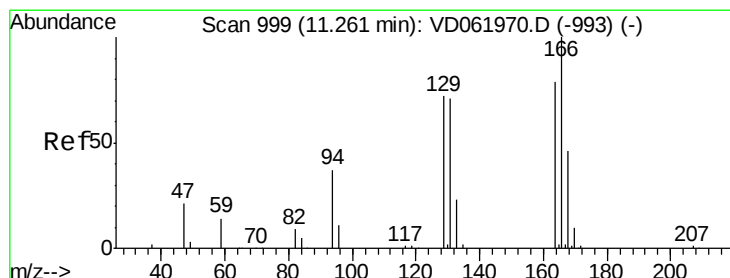
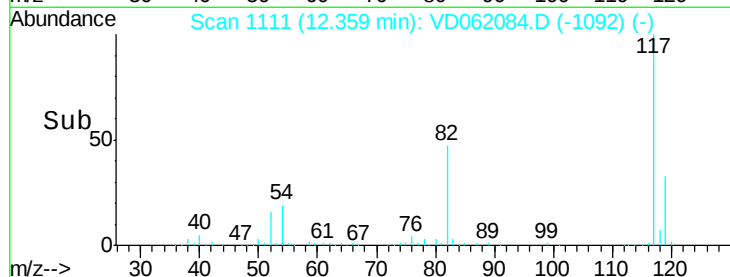
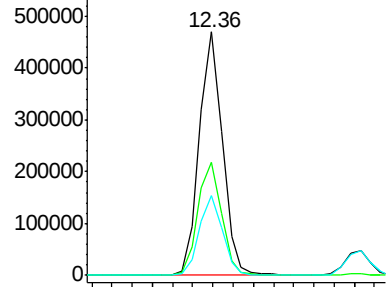
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD0430SBS01

Tot Ion:117 Resp: 753491
Ion Ratio Lower Upper
117 100
82 46.6 36.2 54.2
119 32.8 26.2 39.4

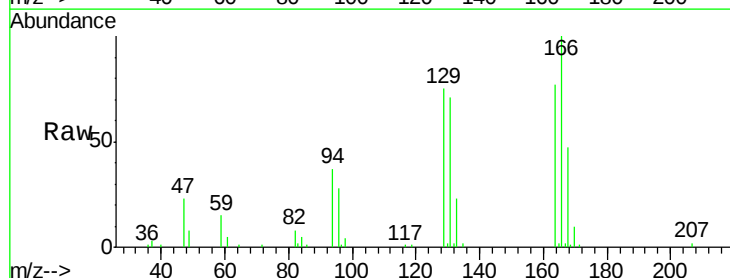


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

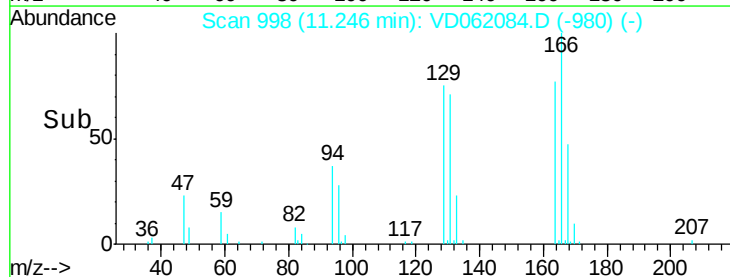
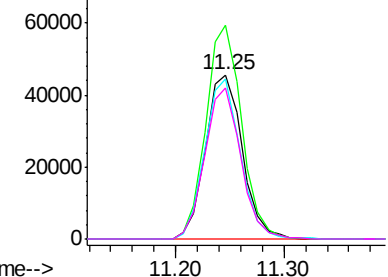


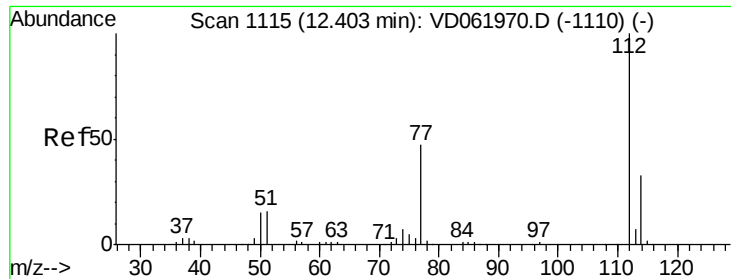
#64
Tetrachloroethene
Concen: 20.125 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Tgt Ion:164 Resp: 108172
Ion Ratio Lower Upper
164 100
166 130.2 101.5 152.3
129 97.8 74.6 112.0
131 92.4 72.6 108.8



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

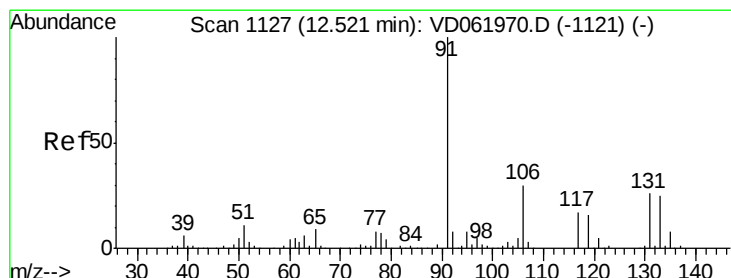
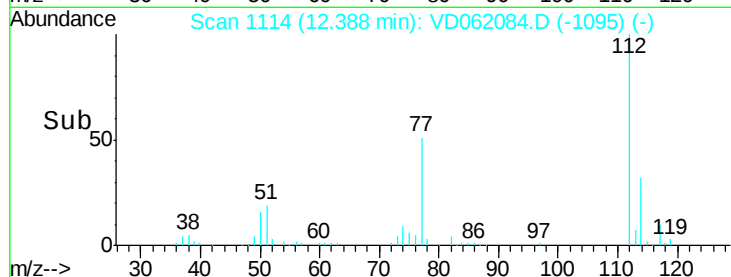
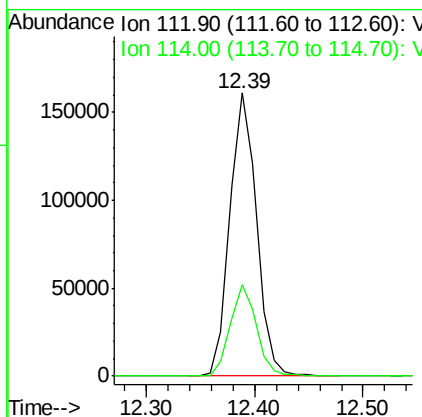
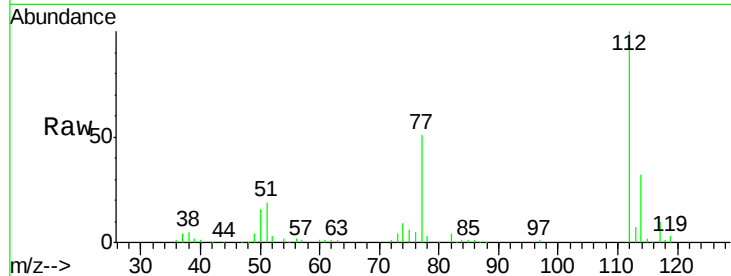




#65
Chlorobenzene
Concen: 19.438 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

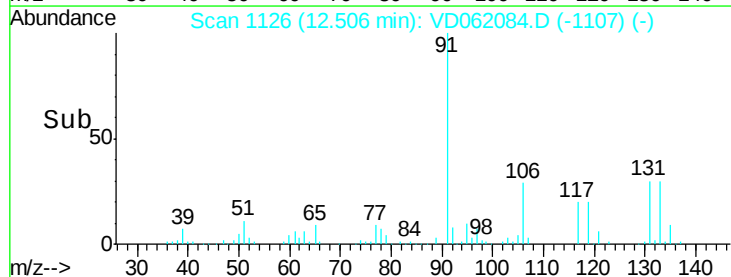
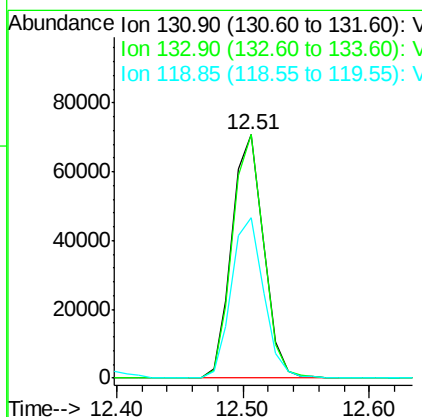
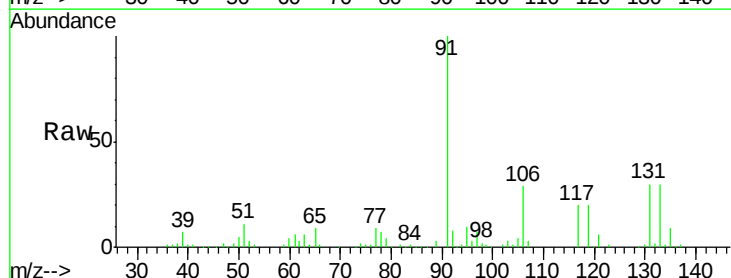
Instrument :
MSVOA_D
ClientSampleId :
VD0430SBS01

Tot Ion:112 Resp: 276764
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.460 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Tgt Ion:131 Resp: 123570
Ion Ratio Lower Upper
131 100
133 100.2 48.6 145.8
119 66.3 34.7 104.1

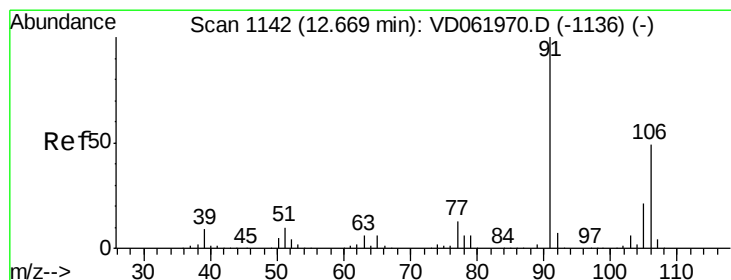
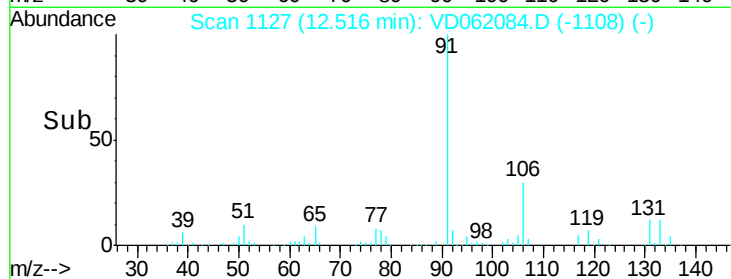
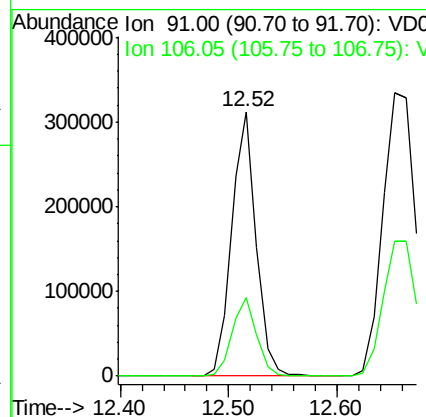
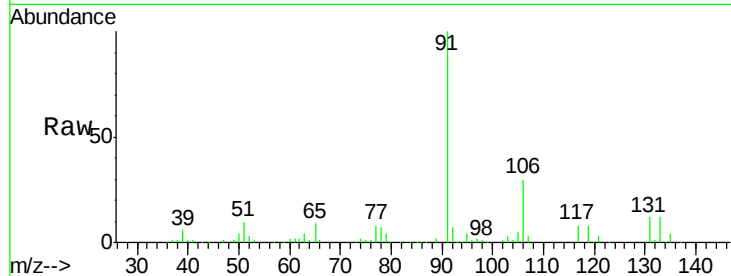




#67
Ethyl Benzene
Concen: 20.960 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

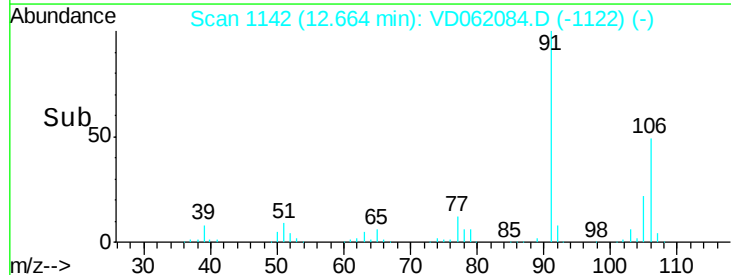
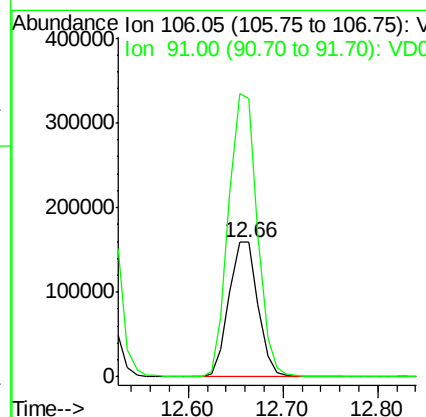
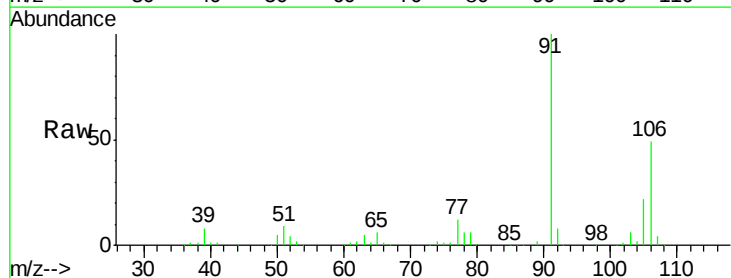
Instrument :
MSVOA_D
ClientSampleId :
VD0430SBS01

Tot Ion: 91 Resp: 487094
Ion Ratio Lower Upper
91 100
106 29.7 24.7 37.1



#68
m/p-Xylenes
Concen: 40.369 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Tgt Ion: 106 Resp: 339079
Ion Ratio Lower Upper
106 100
91 206.0 164.0 246.0

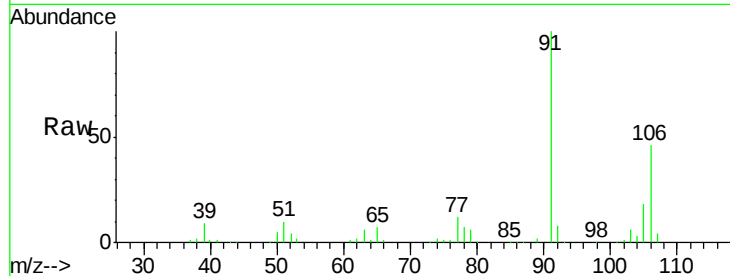




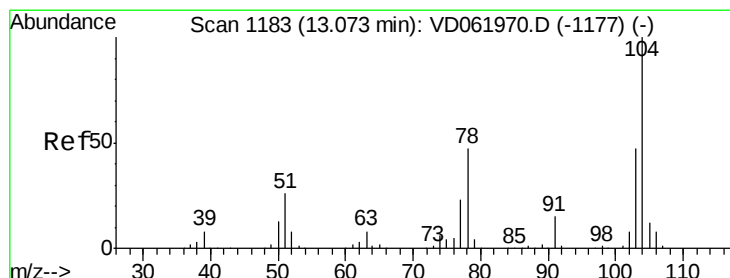
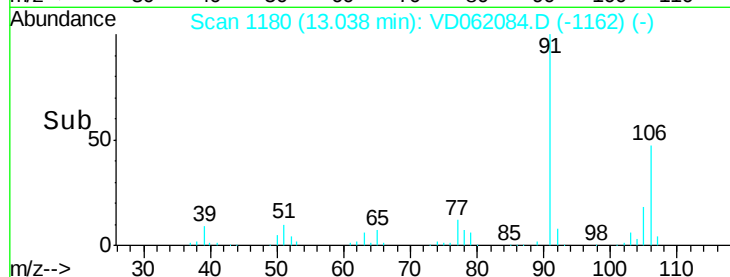
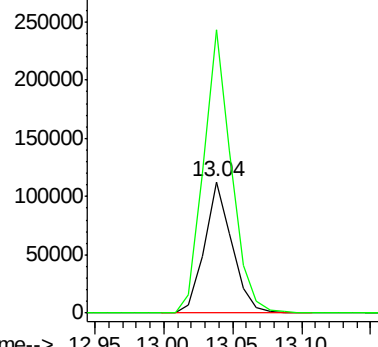
#69
o-Xylene
Concen: 20.384 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD0430SBS01

Tot Ion:106 Resp: 156654
Ion Ratio Lower Upper
106 100
91 215.2 106.7 319.9

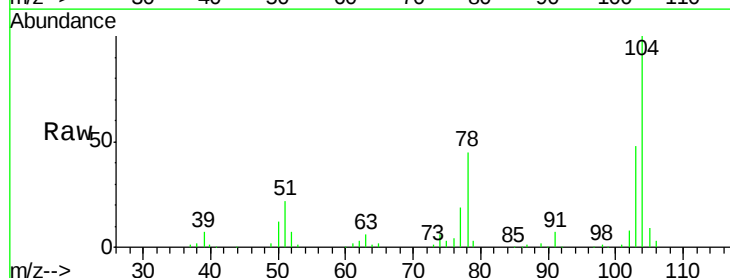


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

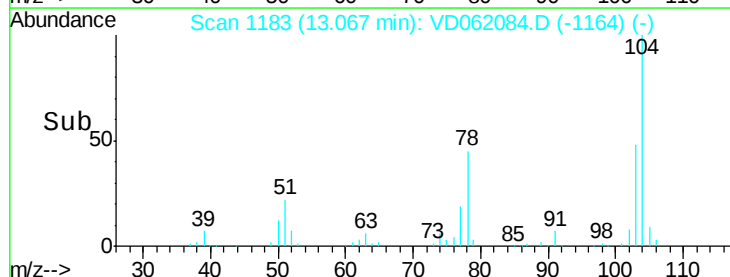
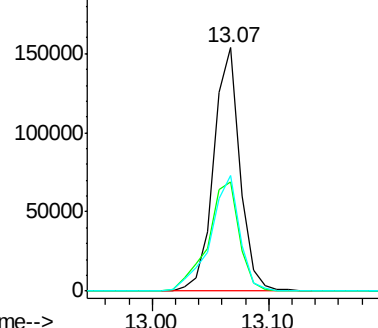


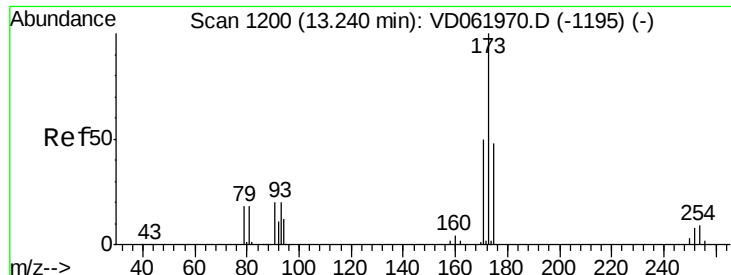
#70
Styrene
Concen: 18.028 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Tgt Ion:104 Resp: 239229
Ion Ratio Lower Upper
104 100
78 44.8 35.4 53.2
103 47.5 37.5 56.3



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





#71

Bromoform

Concen: 20.849 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0430SBS01

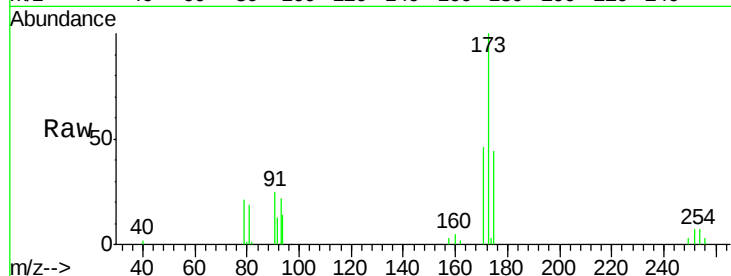
Tot Ion:173 Resp: 71787

Ion Ratio Lower Upper

173 100

175 43.8 24.4 73.4

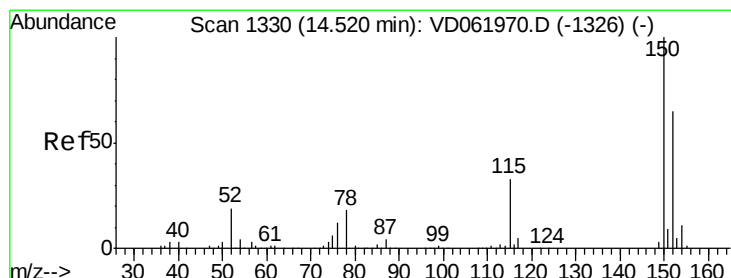
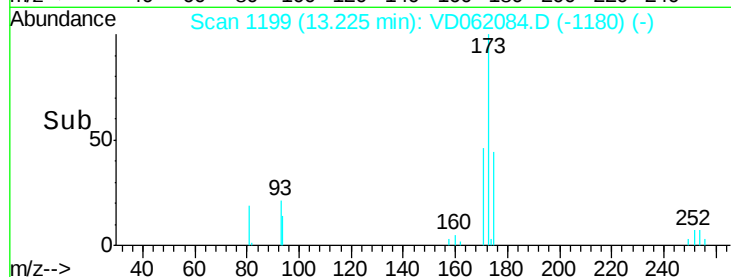
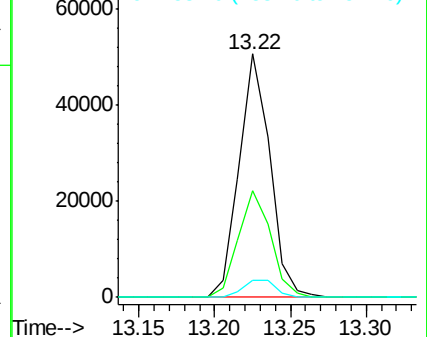
254 6.8 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

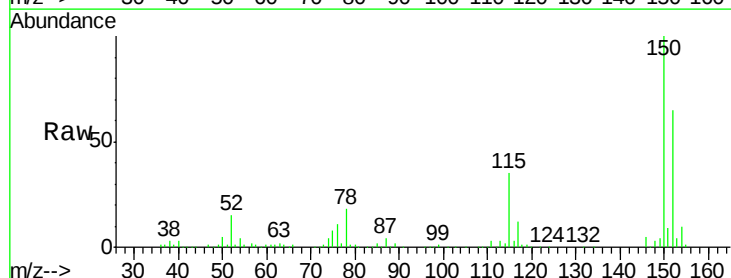
Tgt Ion:152 Resp: 367830

Ion Ratio Lower Upper

152 100

115 53.6 30.9 92.7

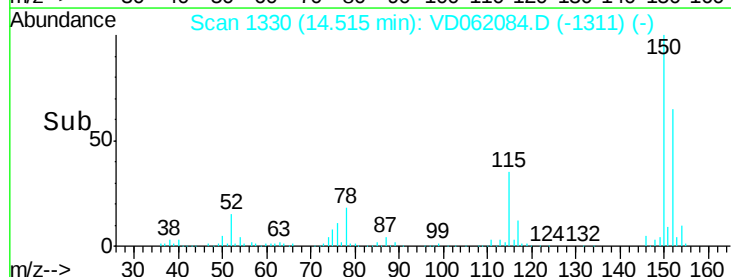
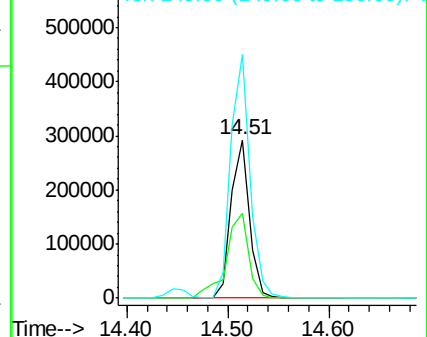
150 154.2 0.0 314.8

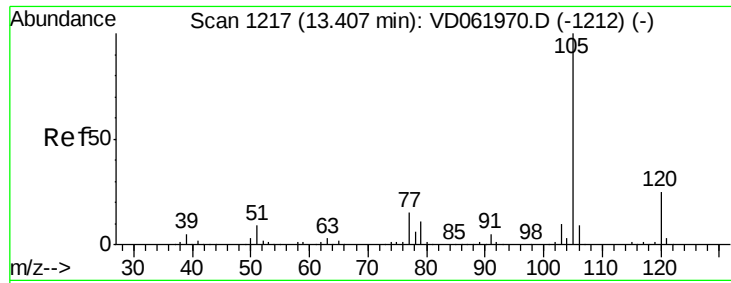


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.978 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

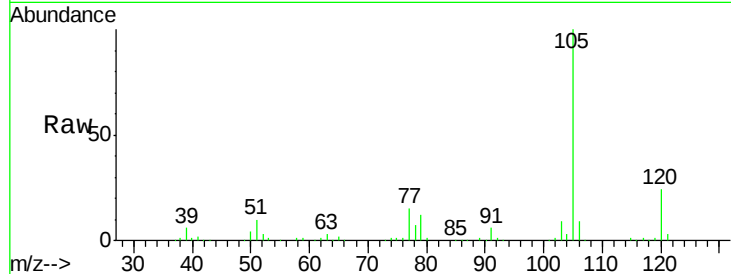
VD0430SBS01

Tot Ion:105 Resp: 490201

Ion Ratio Lower Upper

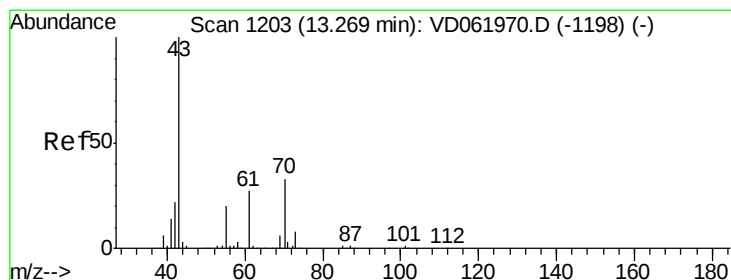
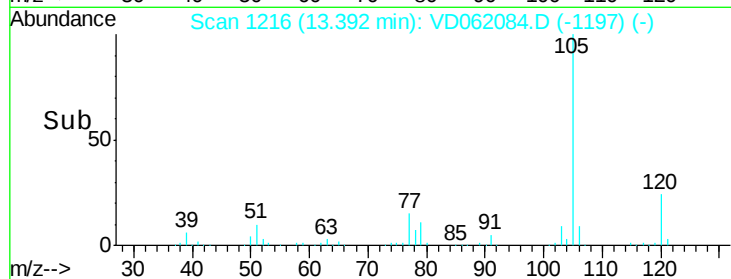
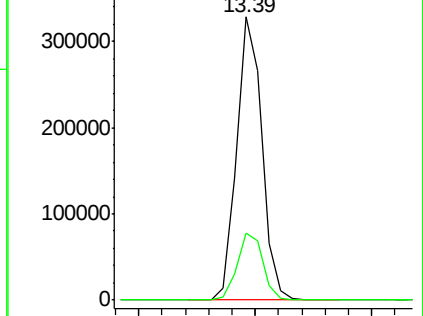
105 100

120 23.7 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.390 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Tgt Ion: 43 Resp: 116208

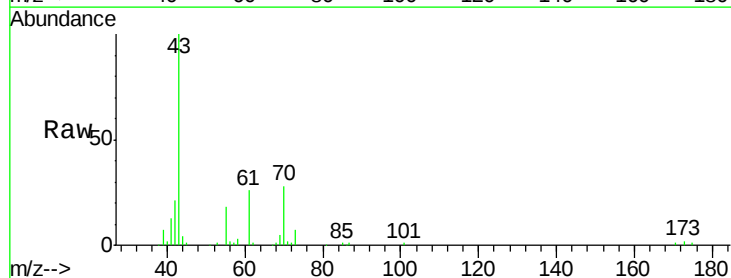
Ion Ratio Lower Upper

43 100

70 28.0 24.2 36.4

55 18.3 16.0 24.0

61 26.1 21.6 32.4

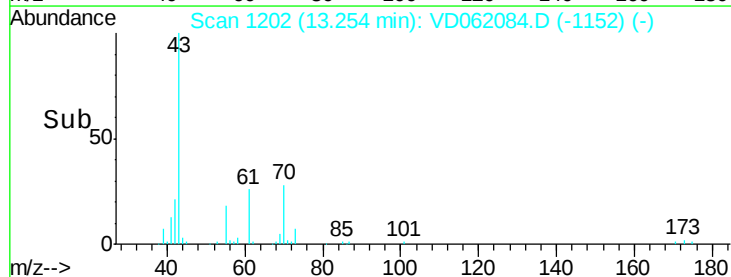
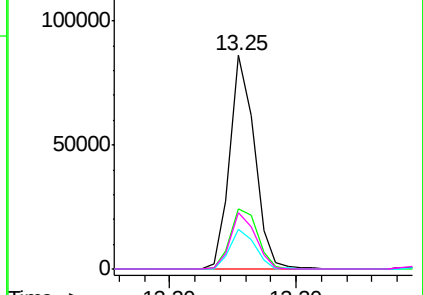


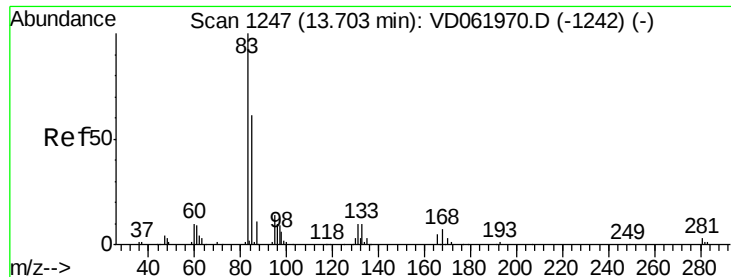
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.243 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0430SBS01

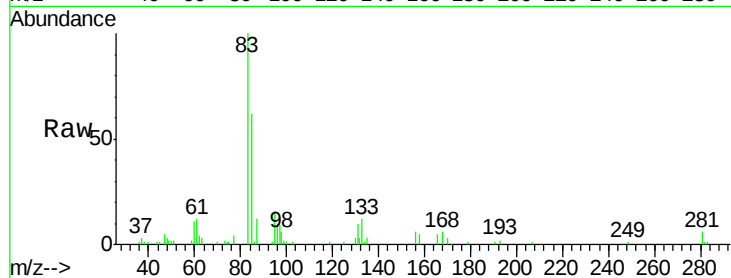
Tot Ion: 83 Resp: 92526

Ion Ratio Lower Upper

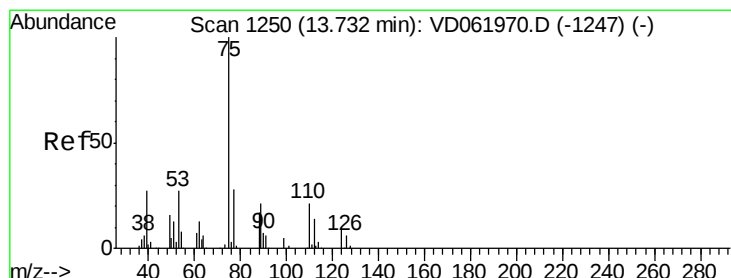
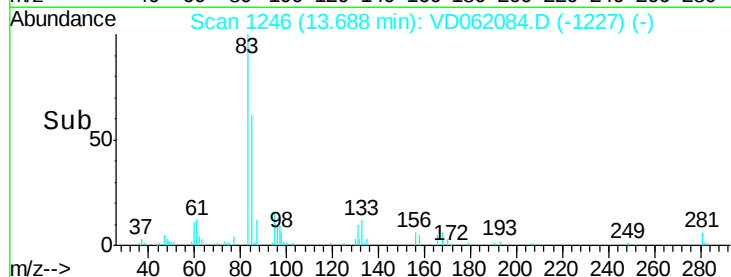
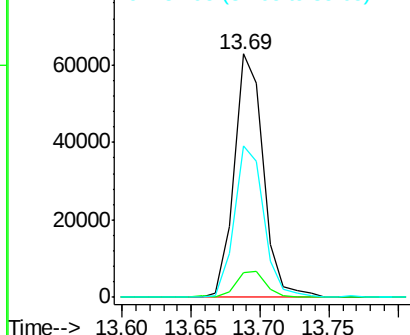
83 100

131 10.1 5.0 14.9

85 62.3 32.6 97.7



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: 19.036 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD062084.D

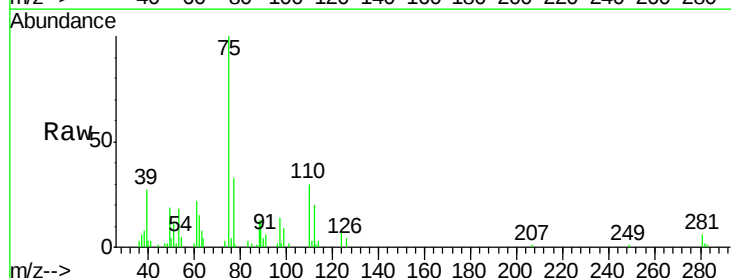
Acq: 30 Apr 2019 13:43

Tgt Ion: 75 Resp: 88914

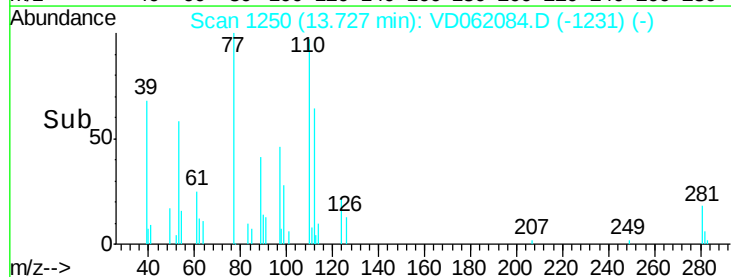
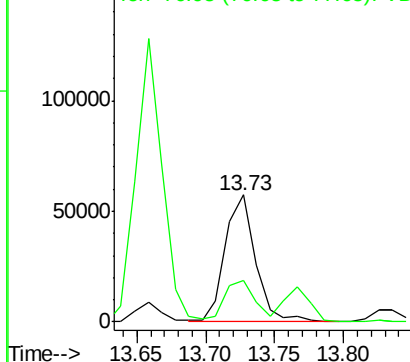
Ion Ratio Lower Upper

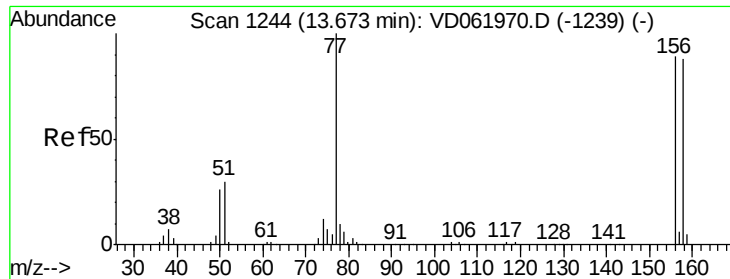
75 100

77 33.1 16.4 49.4



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





#77

Bromobenzene

Concen: 20.014 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0430SBS01

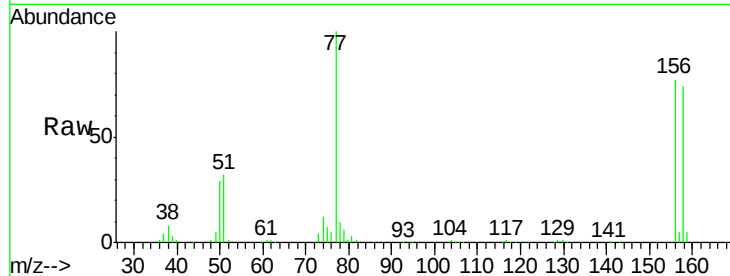
Tot Ion:156 Resp: 140872

Ion Ratio Lower Upper

156 100

77 130.0 53.1 159.4

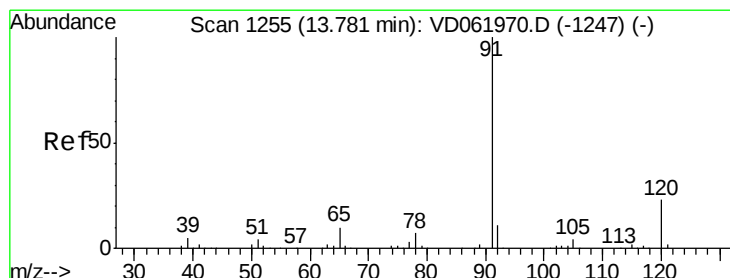
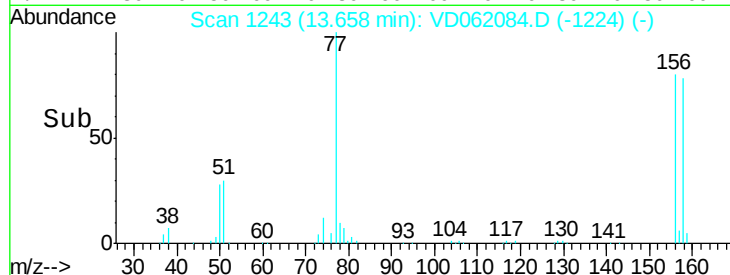
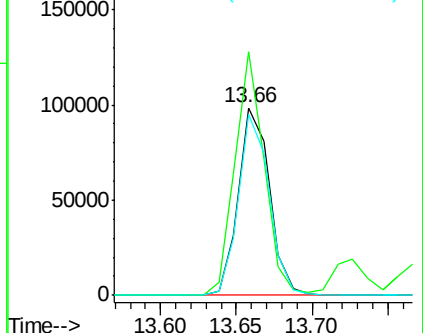
158 96.7 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.974 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062084.D

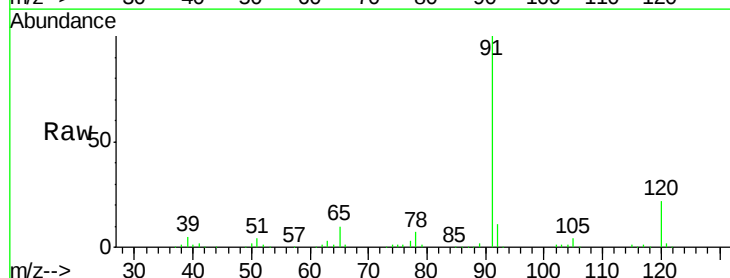
Acq: 30 Apr 2019 13:43

Tgt Ion: 91 Resp: 589146

Ion Ratio Lower Upper

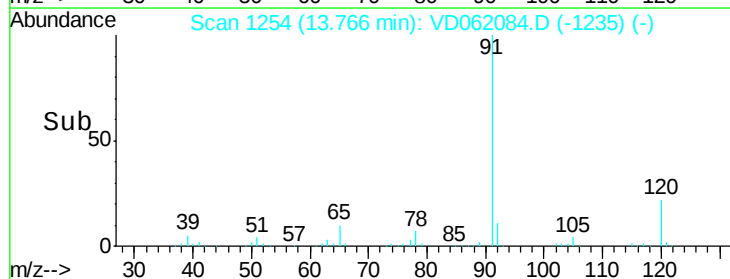
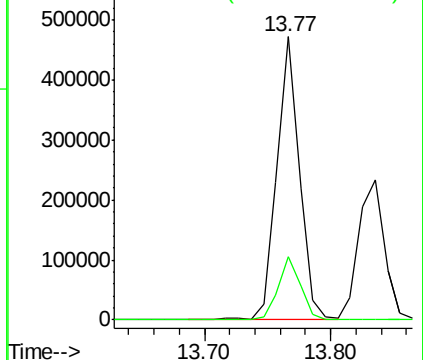
91 100

120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

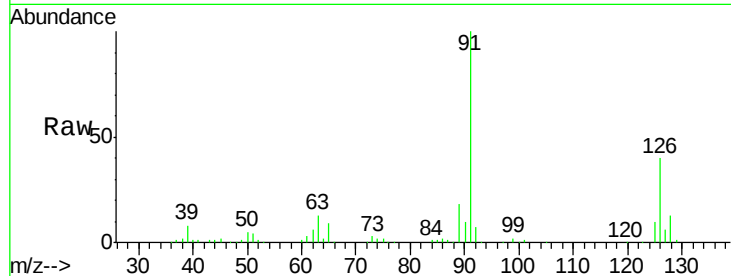




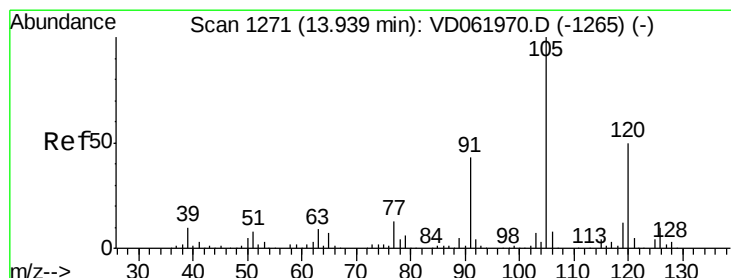
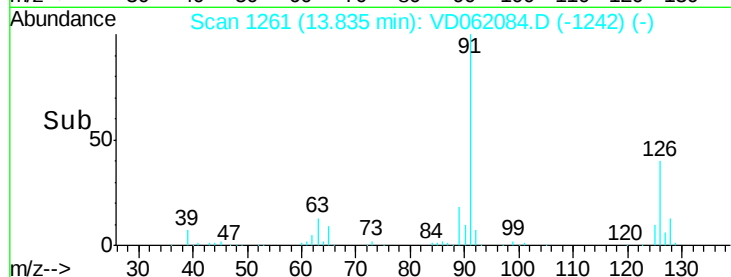
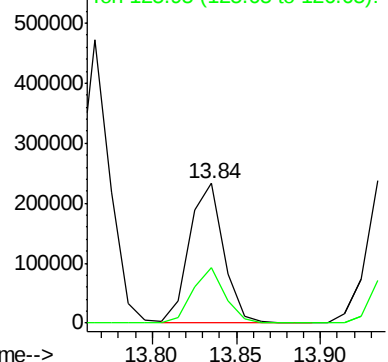
#79
 2-Chlorotoluene
 Concen: 19.303 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0430SBS01

Tot Ion: 91 Resp: 328420
 Ion Ratio Lower Upper
 91 100
 126 39.9 18.6 55.8

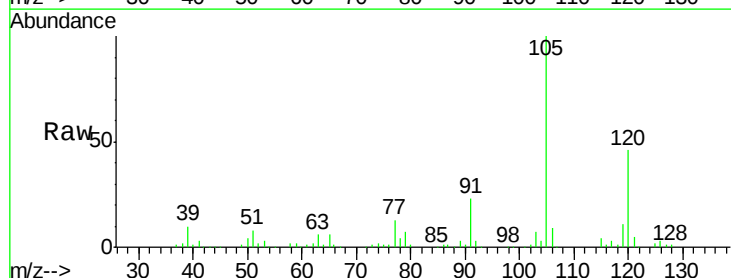


Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)

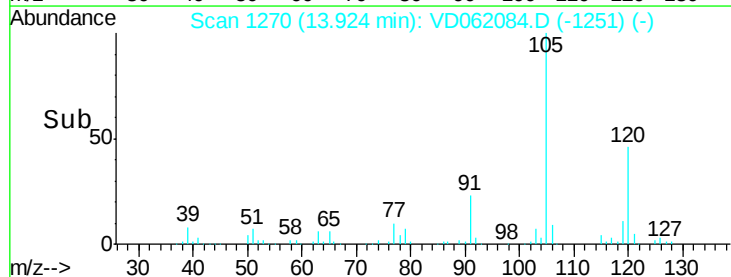
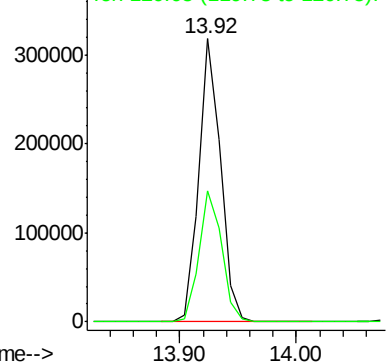


#80
 1,3,5-Trimethylbenzene
 Concen: 21.061 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Tgt Ion: 105 Resp: 412053
 Ion Ratio Lower Upper
 105 100
 120 46.4 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)
 Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)

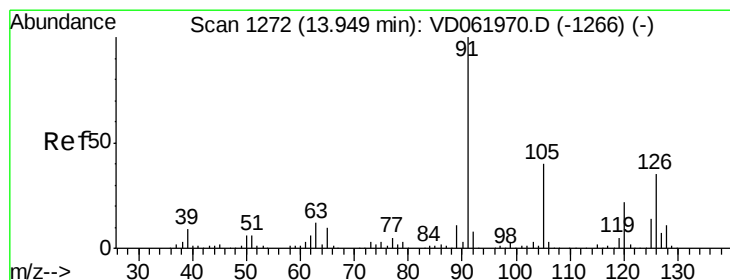
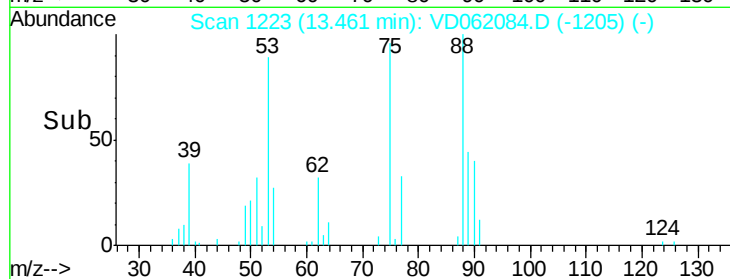
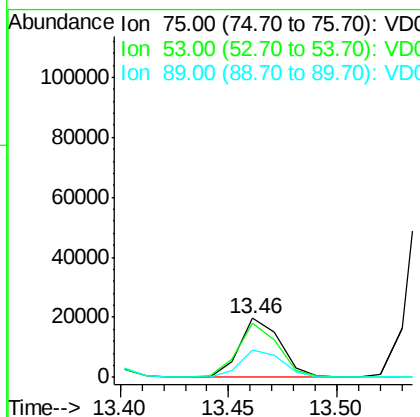
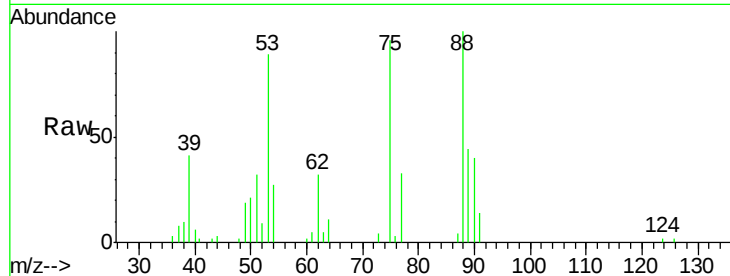




#81
trans-1,4-Dichloro-2-butene
Concen: 18.387 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.02 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

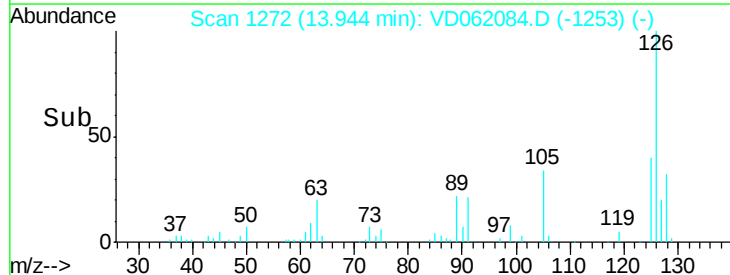
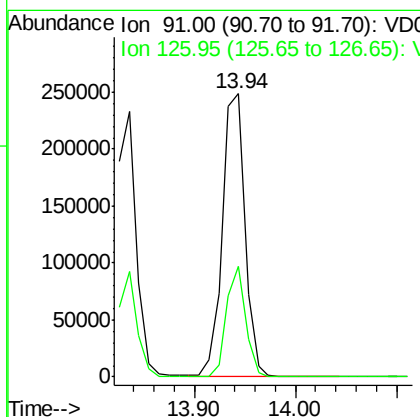
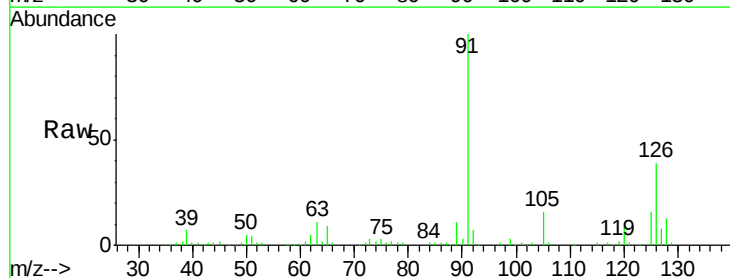
Instrument :
MSVOA_D
ClientSampleId :
VD0430SBS01

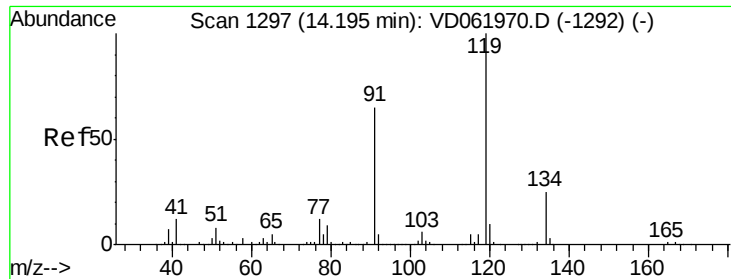
Tot Ion: 75 Resp: 26026
Ion Ratio Lower Upper
75 100
53 92.4 65.8 98.8
89 45.5 35.0 52.6



#82
4-Chlorotoluene
Concen: 20.763 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Tgt Ion: 91 Resp: 389038
Ion Ratio Lower Upper
91 100
126 39.0 19.1 57.5





#83

tert-Butylbenzene

Concen: 18.391 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0430SBS01

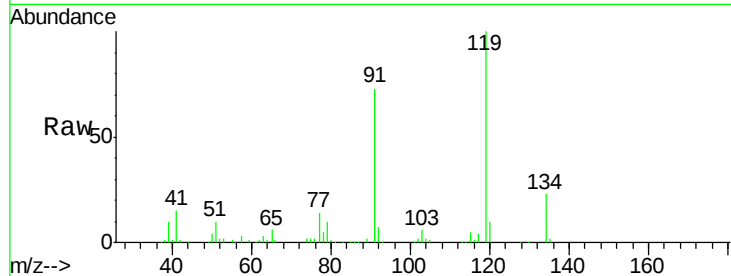
Tot Ion:119 Resp: 416813

Ion Ratio Lower Upper

119 100

91 73.3 34.2 102.6

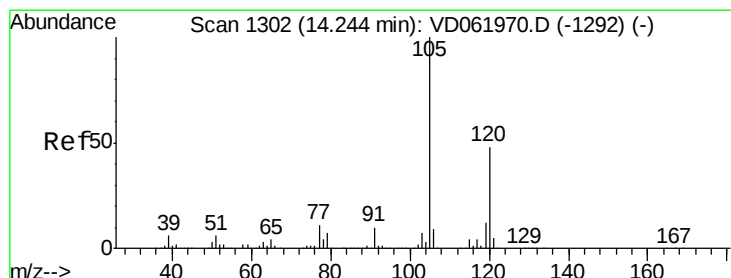
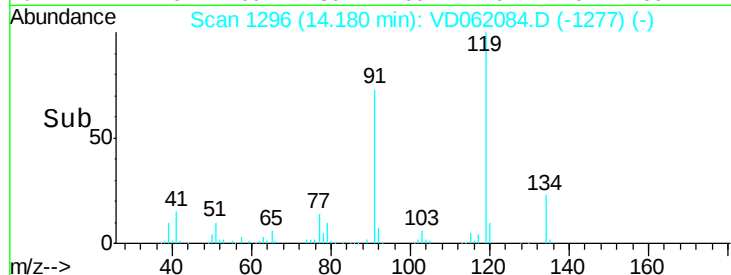
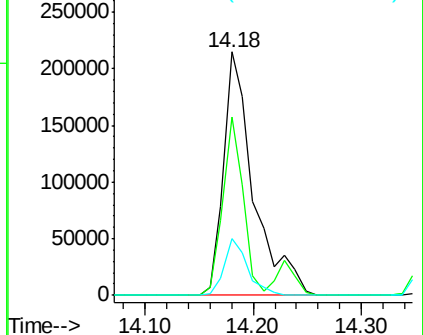
134 23.4 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.335 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD062084.D

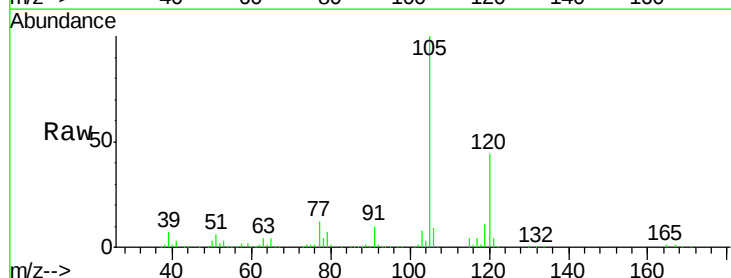
Acq: 30 Apr 2019 13:43

Tgt Ion:105 Resp: 379890

Ion Ratio Lower Upper

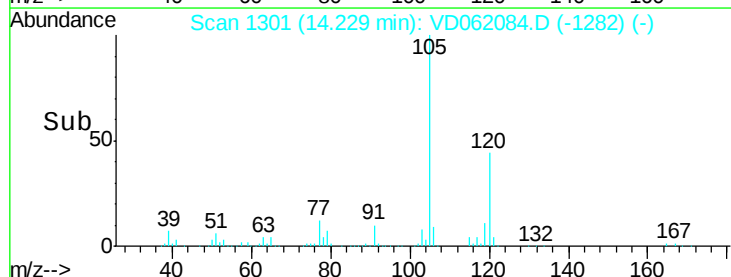
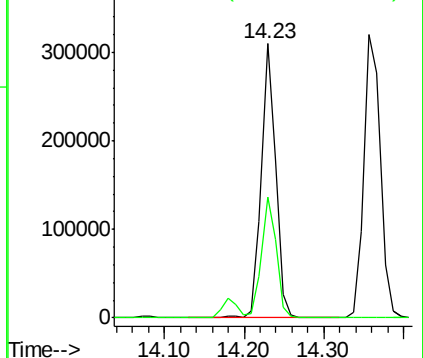
105 100

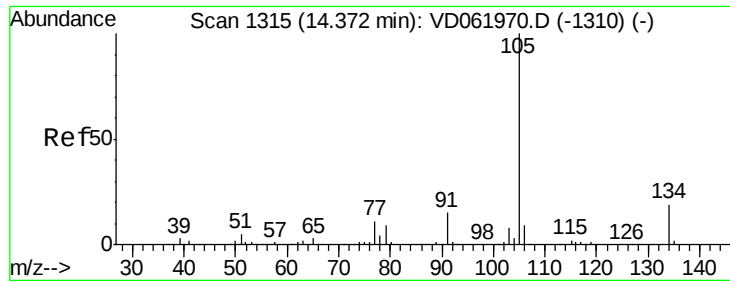
120 44.2 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

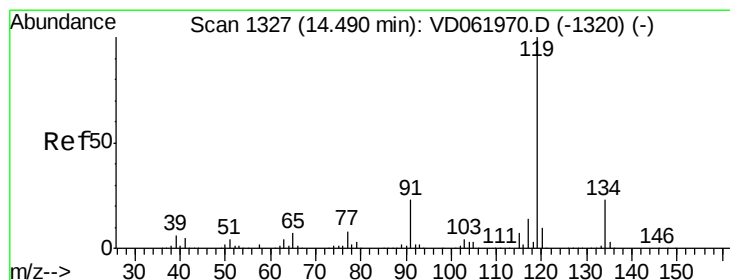
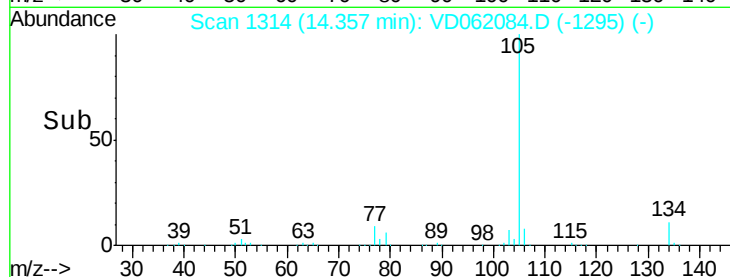
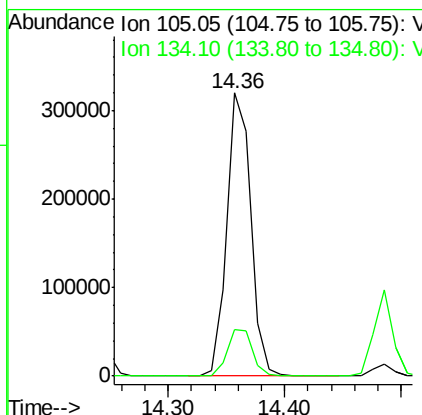
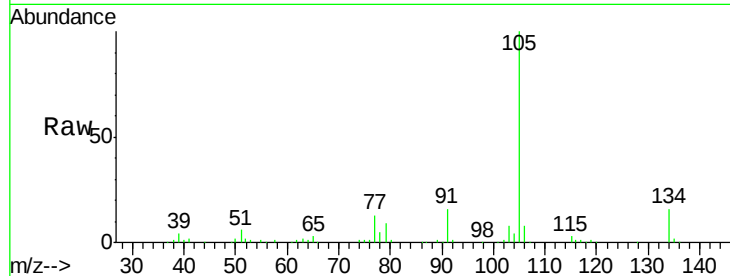




#85
 sec-Butylbenzene
 Concen: 18.643 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

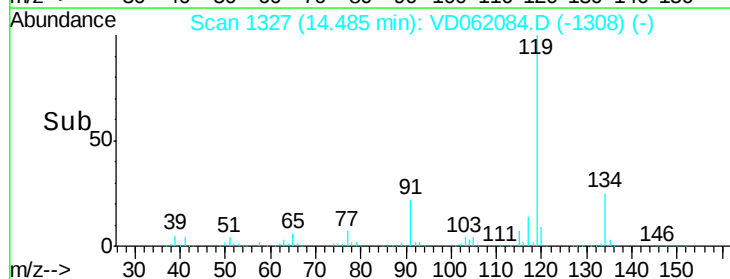
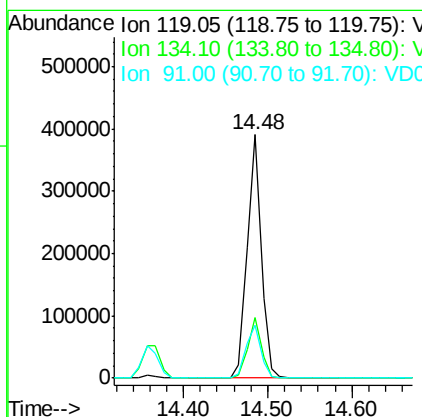
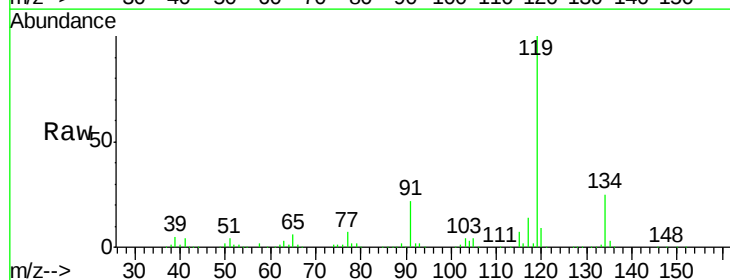
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0430SBS01

Tot Ion:105 Resp: 456548
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 20.869 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Tgt Ion:119 Resp: 457382
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.8 38.3
 91 22.0 10.7 32.1

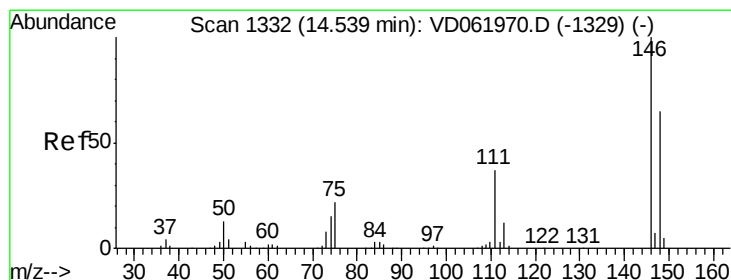
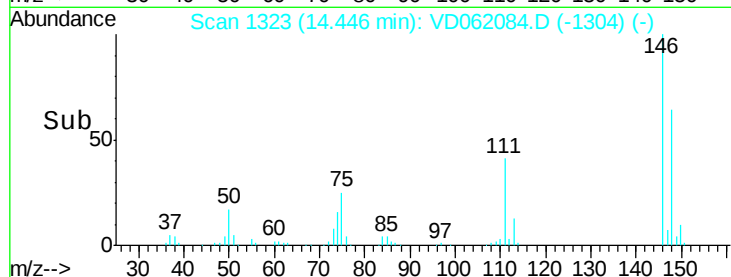
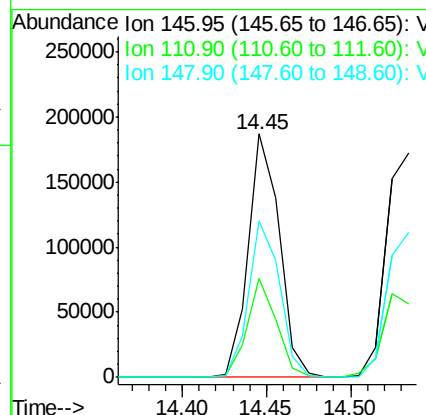
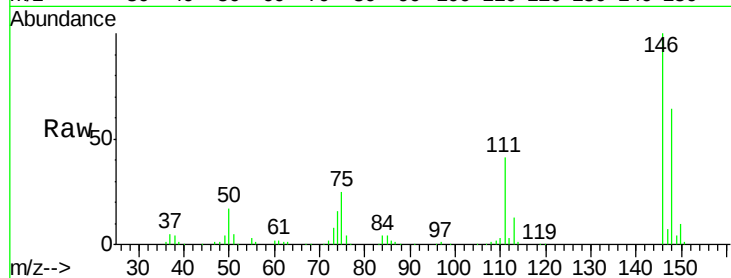




#87
 1,3-Dichlorobenzene
 Concen: 19.590 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

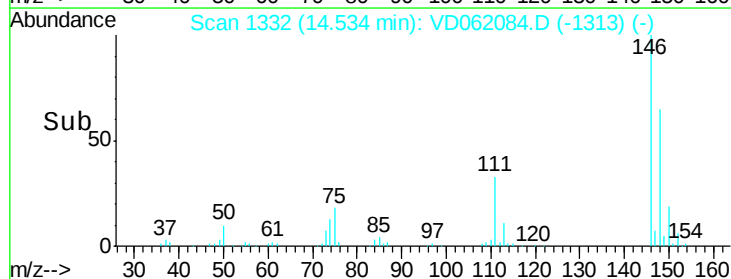
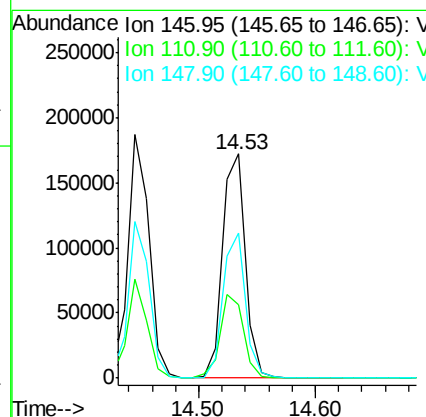
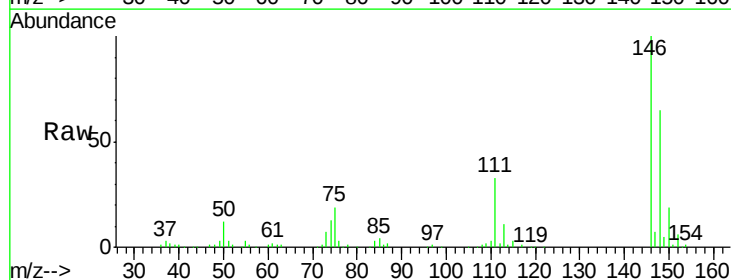
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0430SBS01

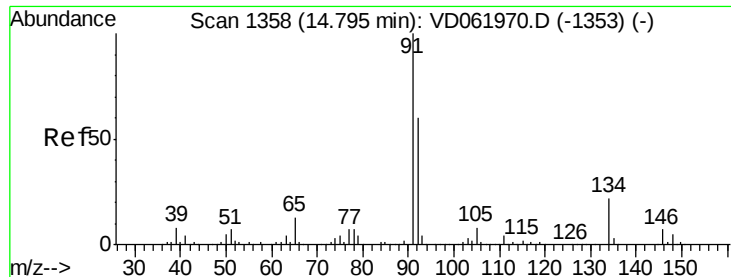
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	60.0
148	64.2	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.320 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.8	20.2	60.5
148	64.6	32.0	96.2





#89

n-Butylbenzene

Concen: 21.286 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD062084.D

Acq: 30 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0430SBS01

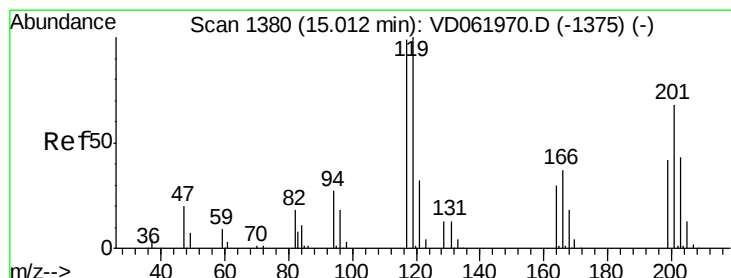
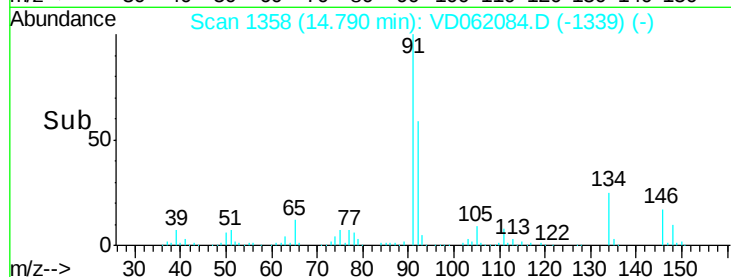
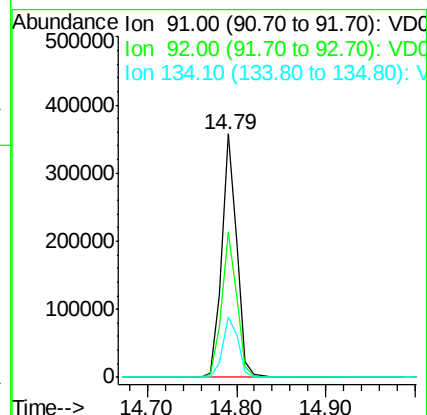
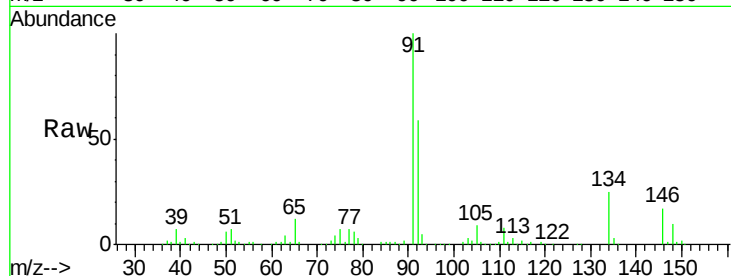
Tot Ion: 91 Resp: 418844

Ion Ratio Lower Upper

91 100

92 59.5 30.3 91.0

134 25.1 14.5 43.6



#90

Hexachloroethane

Concen: 20.213 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062084.D

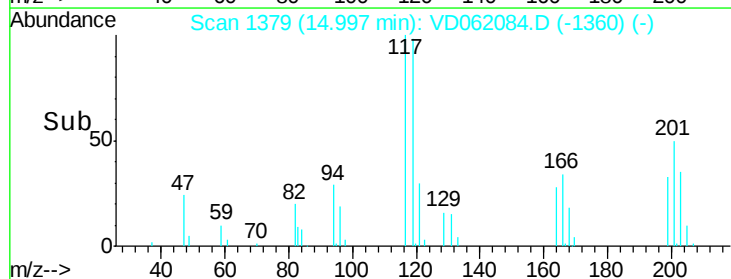
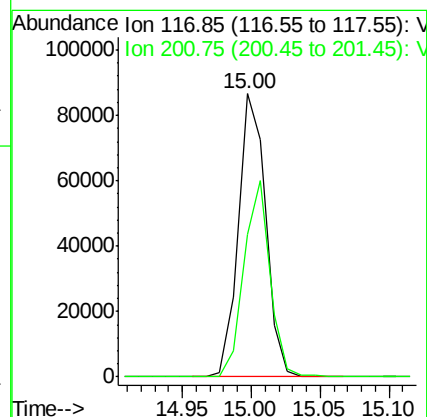
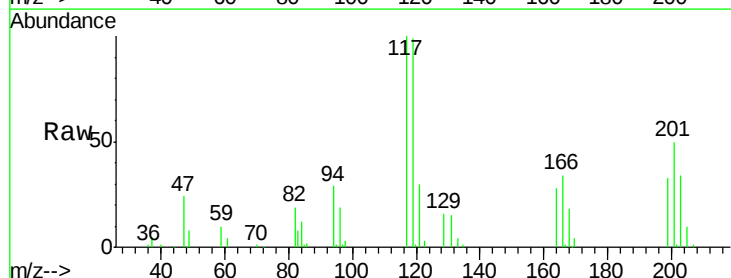
Acq: 30 Apr 2019 13:43

Tgt Ion: 117 Resp: 119794

Ion Ratio Lower Upper

117 100

201 50.3 30.2 90.6

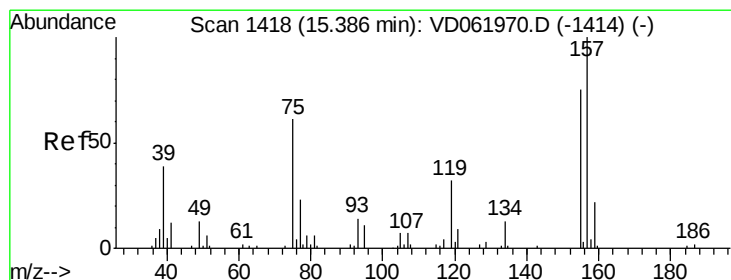
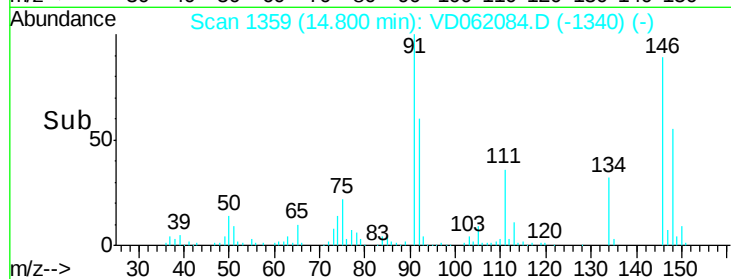
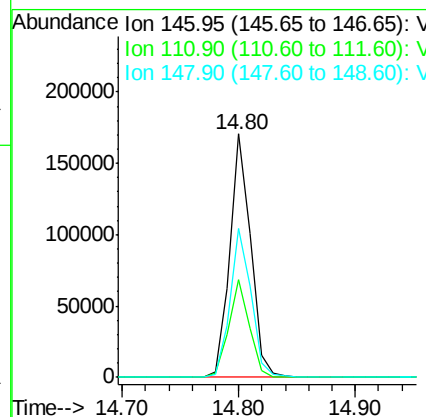
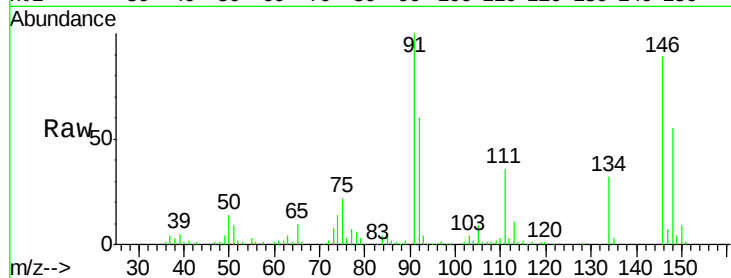




#91
 1,2-Dichlorobenzene
 Concen: 20.825 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

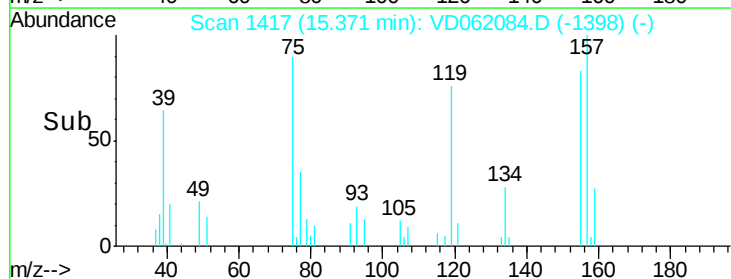
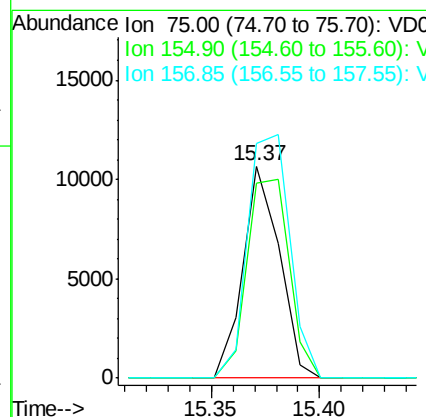
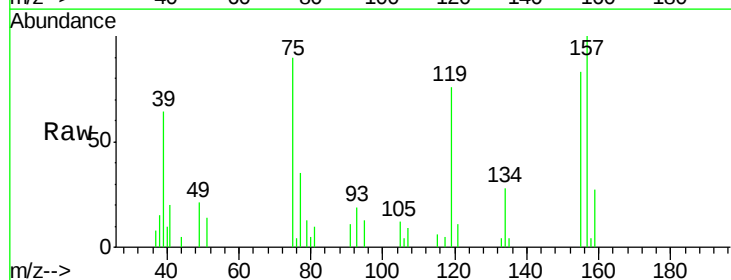
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0430SBS01

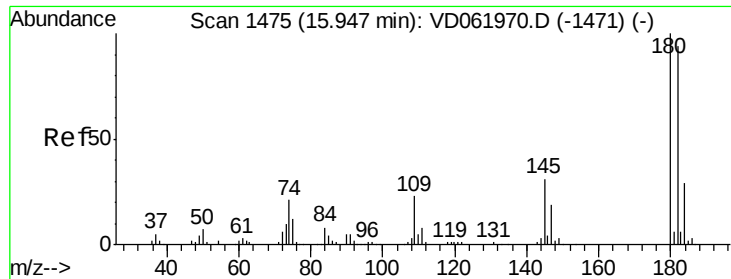
Tot Ion:146 Resp: 211747
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.0 59.9
 148 61.4 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.301 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Tgt Ion: 75 Resp: 12497
 Ion Ratio Lower Upper
 75 100
 155 92.3 55.3 165.8
 157 110.8 67.8 203.2

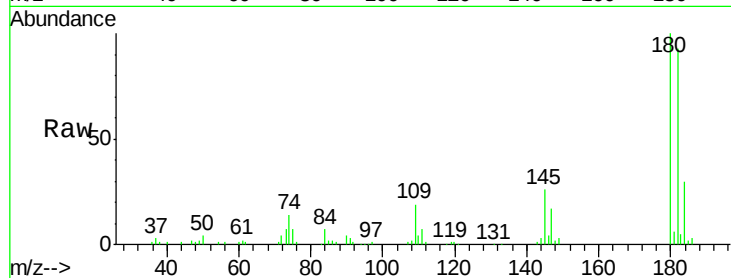




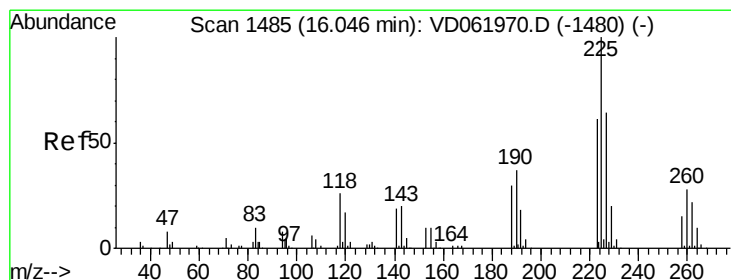
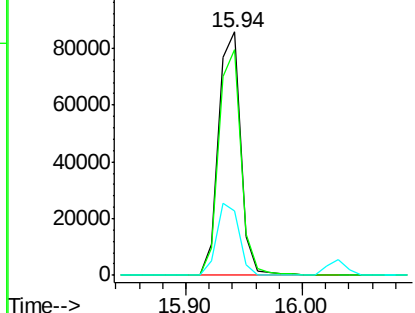
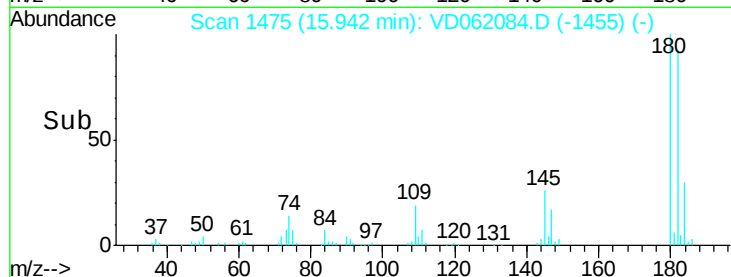
#93
 1,2,4-Trichlorobenzene
 Concen: 20.606 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0430SBS01

Tot Ion:180 Resp: 113047
 Ion Ratio Lower Upper
 180 100
 182 92.8 49.3 147.8
 145 26.4 16.2 48.6

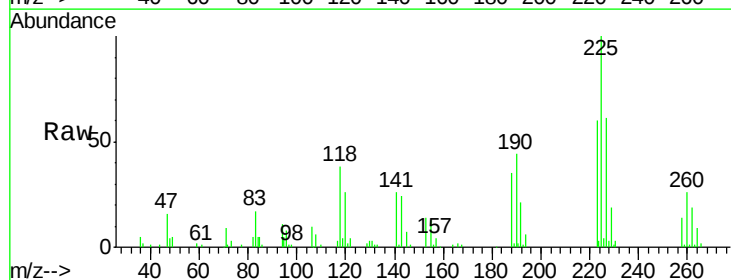


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

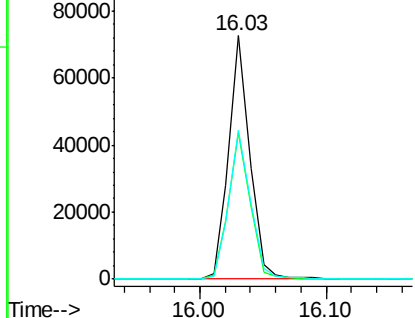
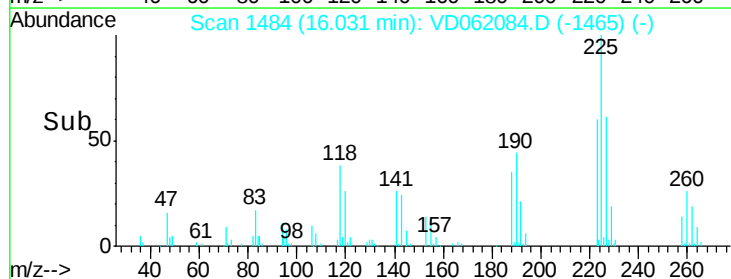


#94
 Hexachlorobutadiene
 Concen: 20.698 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062084.D
 Acq: 30 Apr 2019 13:43

Tgt Ion:225 Resp: 84033
 Ion Ratio Lower Upper
 225 100
 223 60.4 30.6 92.0
 227 61.4 32.0 96.2



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

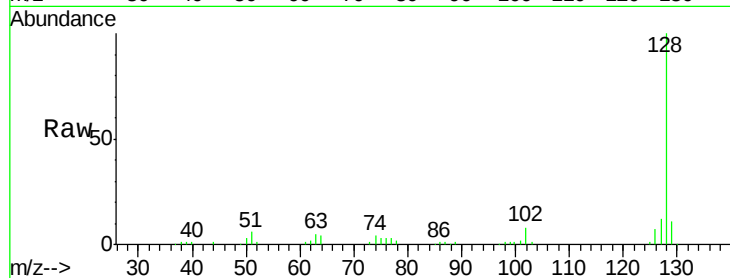




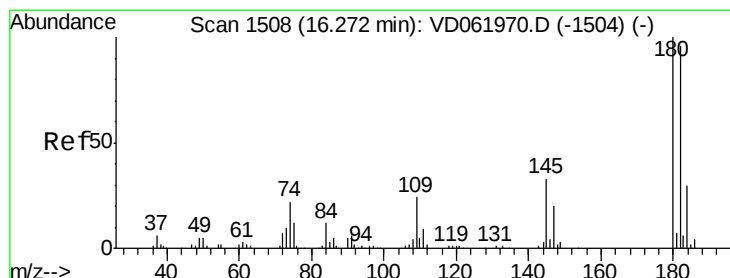
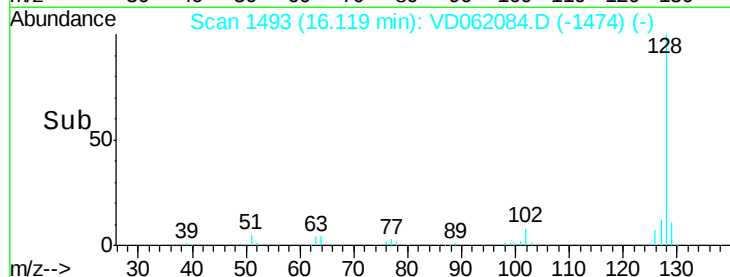
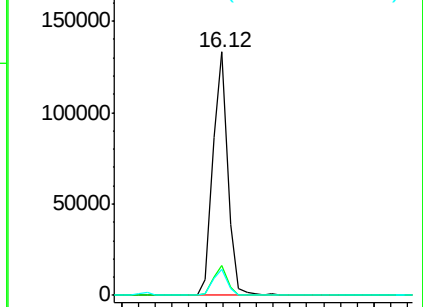
#95
Naphthalene
Concen: 18.454 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD0430SBS01

Tot Ion:128 Resp: 163466
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.8
129 10.7 8.8 13.2

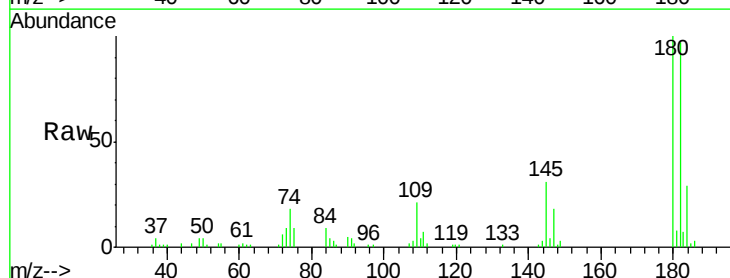


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.704 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062084.D
Acq: 30 Apr 2019 13:43

Tgt Ion:180 Resp: 61332
Ion Ratio Lower Upper
180 100
182 97.2 47.0 141.0
145 31.0 17.0 51.0



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

