

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
 Data File : VD062208.D
 Acq On : 10 May 2019 11:49
 Operator : FY/SY
 Sample : VD0510SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS01

Quant Time: May 10 23:30:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	849140	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1128806	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	910308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	503926	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	411245	52.11	ug/l	0.03
Spiked Amount	50.000		Recovery	=	104.22%	
35) Dibromofluoromethane	6.92	113	501730	53.57	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.14%	
50) Toluene-d8	10.41	98	1162419	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	13.55	95	488202	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	143502	17.670	ug/l	96
3) Chloromethane	1.76	50	95686	16.306	ug/l	98
4) Vinyl Chloride	1.85	62	95474	16.555	ug/l	93
5) Bromomethane	2.15	94	27490	20.343	ug/l	91
6) Chloroethane	2.26	64	43146	17.829	ug/l	94
7) Trichlorofluoromethane	2.52	101	207303	18.489	ug/l	97
8) Diethyl Ether	2.87	74	34974	16.174	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.14	101	155932	18.385	ug/l	98
10) Methyl Iodide	3.30	142	178688	13.939	ug/l	92
11) Tert butyl alcohol	4.09	59	34110	84.682	ug/l	96
12) 1,1-Dichloroethene	3.12	96	101484	15.674	ug/l	92
13) Acrolein	3.04	56	32985	79.173	ug/l	95
14) Allyl chloride	3.62	41	155942	16.565	ug/l #	83
15) Acrylonitrile	4.20	53	86548	81.746	ug/l #	82
16) Acetone	3.22	43	164576	99.450	ug/l #	87
17) Carbon Disulfide	3.37	76	292201	15.688	ug/l	98
18) Methyl Acetate	3.65	43	47386	15.803	ug/l #	88
19) Methyl tert-butyl Ether	4.24	73	221866	15.987	ug/l	95
20) Methylene Chloride	3.81	84	138813	20.090	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	112655	15.636	ug/l	90
22) Diisopropyl ether	5.12	45	353719	17.657	ug/l	96
23) Vinyl Acetate	5.05	43	965283	91.327	ug/l	98
24) 1,1-Dichloroethane	4.98	63	206137	17.057	ug/l	96
25) 2-Butanone	6.07	43	165195	91.518	ug/l	100
26) 2,2-Dichloropropane	6.02	77	223639	18.578	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	136866	16.972	ug/l	96
28) Bromochloromethane	6.43	49	100997	21.242	ug/l	89
29) Tetrahydrofuran	6.46	42	67343	80.971	ug/l	99
30) Chloroform	6.67	83	265341	18.218	ug/l	99
31) Cyclohexane	6.96	56	128177	15.481	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	246656	17.917	ug/l	97
36) 1,1-Dichloropropene	7.15	75	177997	19.232	ug/l	95
37) Ethyl Acetate	6.19	43	67418	17.177	ug/l #	93
38) Carbon Tetrachloride	7.11	117	251903	19.665	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	160549	18.105	ug/l	99
40) Benzene	7.45	78	368911	17.652	ug/l	98
41) Methacrylonitrile	6.45	41	88743	18.502	ug/l #	92
42) 1,2-Dichloroethane	7.58	62	173719	19.619	ug/l	97
43) Isopropyl Acetate	9.23	43	96109	17.266	ug/l	94
44) Trichloroethene	8.54	130	147380	18.506	ug/l	95
45) 1,2-Dichloropropane	8.94	63	86585	16.749	ug/l	95
46) Dibromomethane	9.06	93	72367	17.215	ug/l	90
47) Bromodichloromethane	9.37	83	189743	18.453	ug/l	99
48) Methyl methacrylate	9.12	41	60767	17.723	ug/l #	82
49) 1,4-Dioxane	9.09	88	11788	318.643	ug/l	92
51) 4-Methyl-2-Pentanone	10.30	43	313217	87.535	ug/l	95
52) Toluene	10.50	92	245928	18.086	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	161701	18.195	ug/l	94
54) cis-1,3-Dichloropropene	10.04	75	173998	17.947	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	92115	19.146	ug/l	96
56) Ethyl methacrylate	11.05	69	85903	17.182	ug/l #	91
57) 1,3-Dichloropropane	11.41	76	122294	16.825	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	255363	93.507	ug/l	92
59) 2-Hexanone	11.53	43	246396	93.429	ug/l	96
60) Dibromochloromethane	11.69	129	148750	17.890	ug/l	98
61) 1,2-Dibromoethane	11.80	107	102935	17.598	ug/l	99
64) Tetrachloroethene	11.25	164	127907	17.969	ug/l	95
65) Chlorobenzene	12.39	112	323132	19.058	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	145960	19.781	ug/l	95
67) Ethyl Benzene	12.52	91	573722	20.212	ug/l	97
68) m/p-Xylenes	12.67	106	404397	39.159	ug/l	93
69) o-Xylene	13.04	106	182662	19.025	ug/l	87
70) Styrene	13.07	104	284595	17.498	ug/l	99
71) Bromoform	13.23	173	94113	18.332	ug/l #	96
73) Isopropylbenzene	13.41	105	549246	18.183	ug/l	99
74) N-amyl acetate	13.27	43	131957	16.662	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	92080	16.102	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	104619	17.469	ug/l	96
77) Bromobenzene	13.67	156	158482	18.742	ug/l	91
78) n-propylbenzene	13.77	91	682138	18.931	ug/l	95
79) 2-Chlorotoluene	13.84	91	381575	18.490	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	473452	18.613	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	28209	16.685	ug/l #	85
82) 4-Chlorotoluene	13.95	91	464270	19.118	ug/l	92
83) tert-Butylbenzene	14.18	119	533536	18.661	ug/l	91
84) 1,2,4-Trimethylbenzene	14.23	105	436244	17.090	ug/l	91
85) sec-Butylbenzene	14.37	105	565942	18.054	ug/l	99
86) p-Isopropyltoluene	14.49	119	521343	18.615	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	294954	19.094	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	283143	18.655	ug/l	94
89) n-Butylbenzene	14.79	91	488856	19.447	ug/l	95
90) Hexachloroethane	15.01	117	142231	18.674	ug/l	71
91) 1,2-Dichlorobenzene	14.80	146	244100	19.188	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15349	16.351	ug/l	69

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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

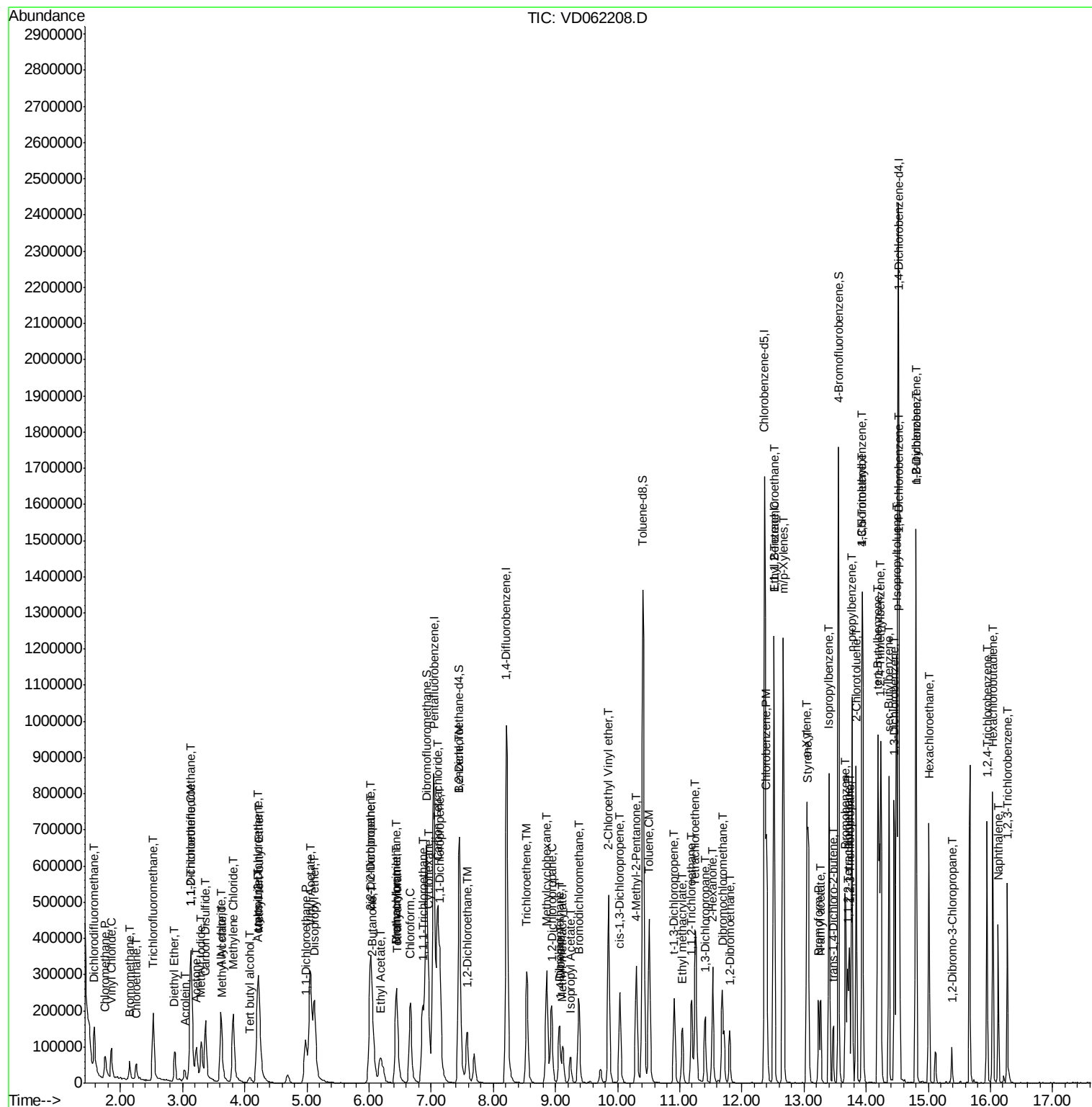
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	190445	20.567	ug/l	93
94) Hexachlorobutadiene	16.03	225	130961	19.016	ug/l	99
95) Naphthalene	16.12	128	249005	19.262	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	137985	23.701	ug/l	95

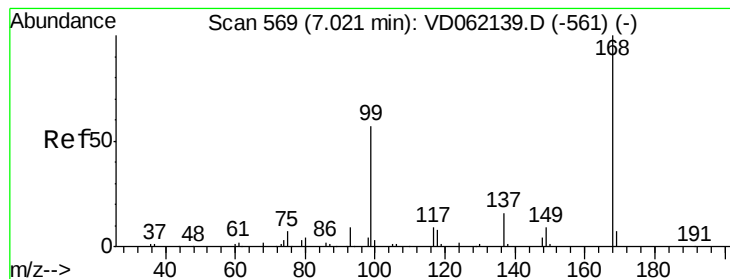
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051019\
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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

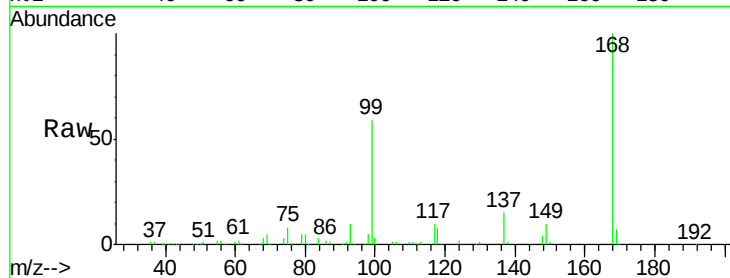
VD0510SBS01

Tot Ion:168 Resp: 849140

Ion Ratio Lower Upper

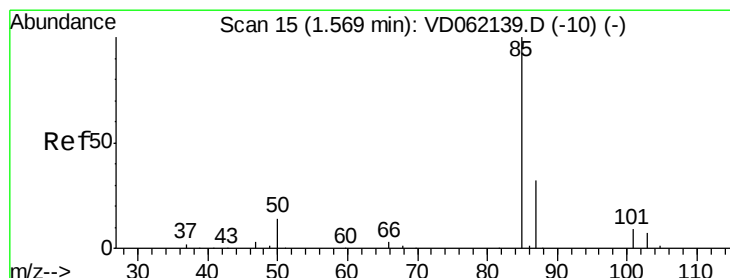
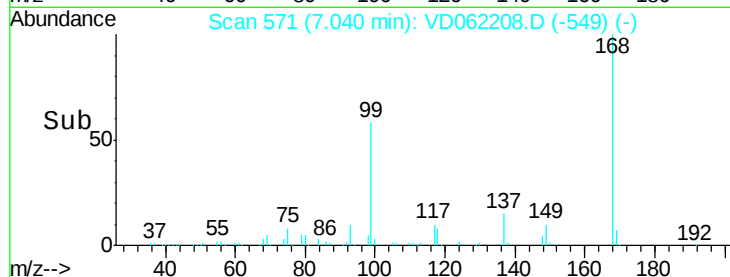
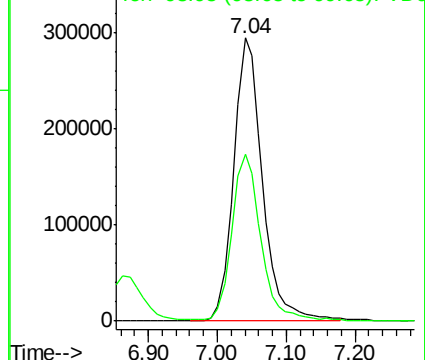
168 100

99 58.9 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: 17.670 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062208.D

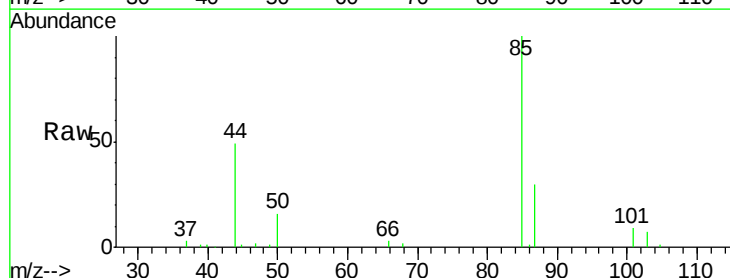
Acq: 10 May 2019 11:49

Tgt Ion: 85 Resp: 143502

Ion Ratio Lower Upper

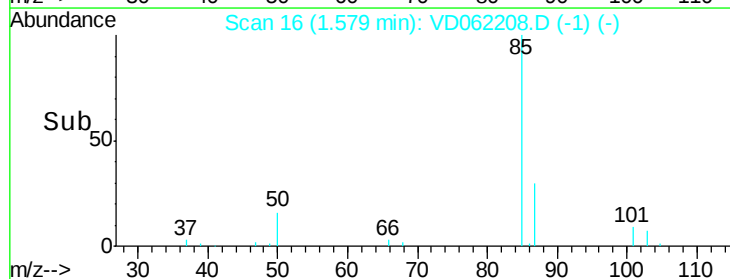
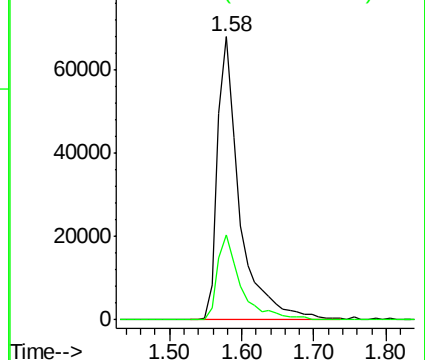
85 100

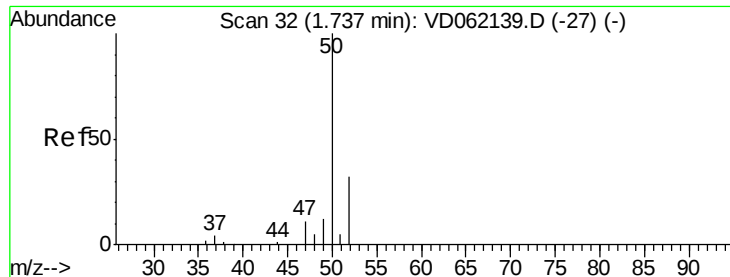
87 29.9 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.306 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

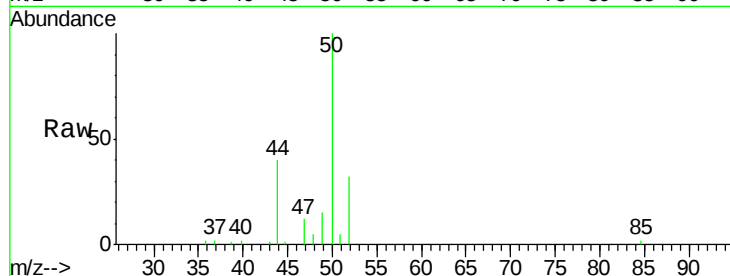
VD0510SBS01

Tot Ion: 50 Resp: 95686

Ion Ratio Lower Upper

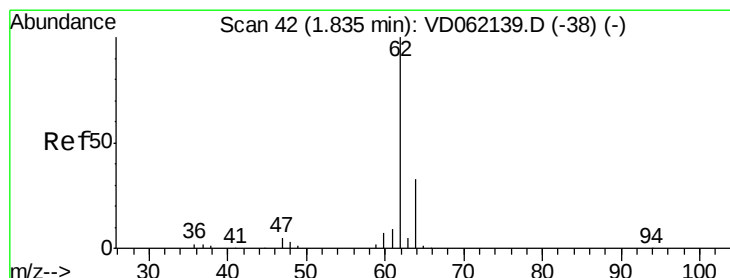
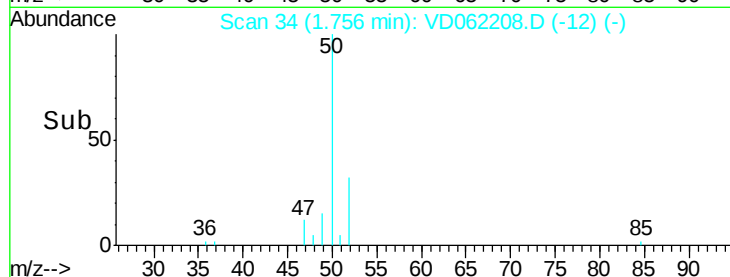
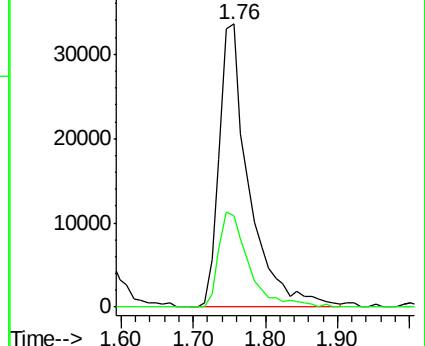
50 100

52 32.5 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: 16.555 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062208.D

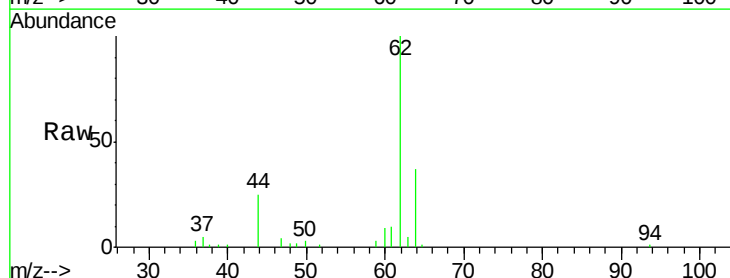
Acq: 10 May 2019 11:49

Tgt Ion: 62 Resp: 95474

Ion Ratio Lower Upper

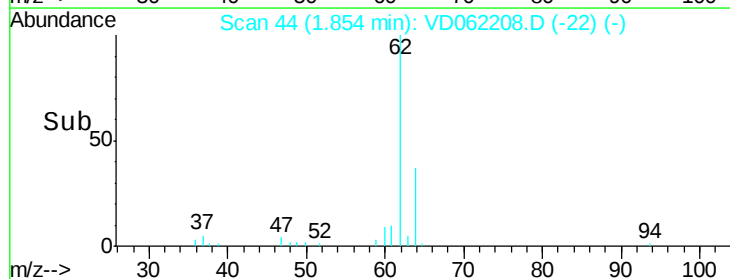
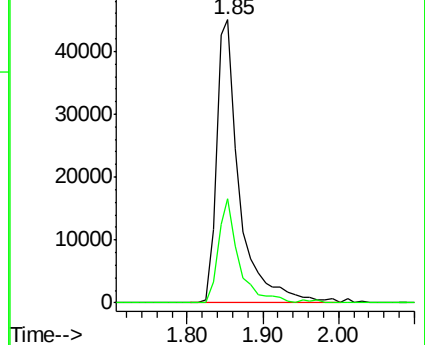
62 100

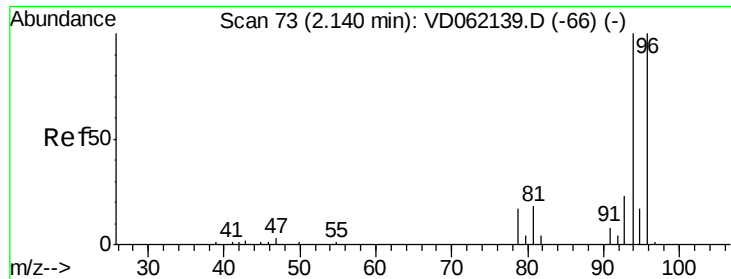
64 36.8 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.343 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062208.D

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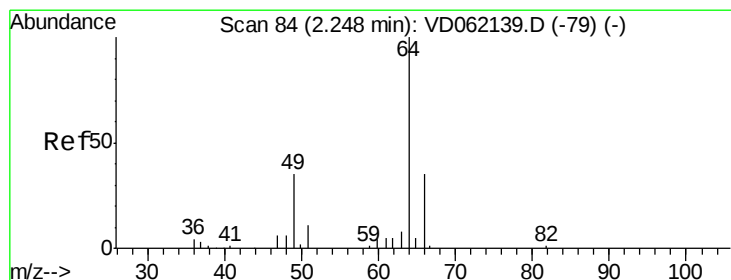
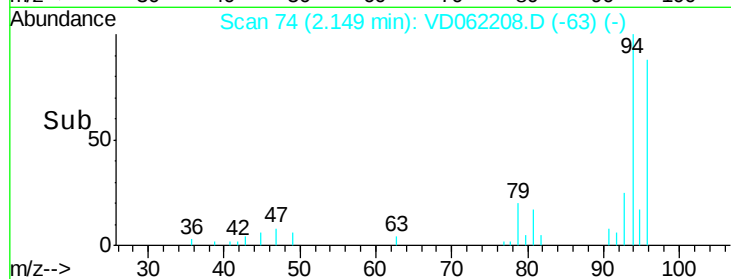
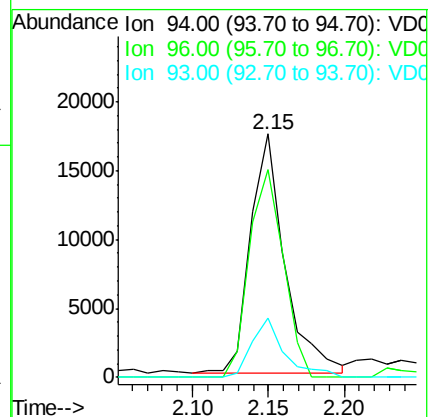
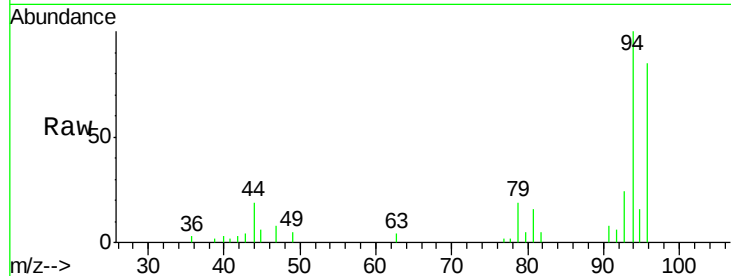
Tot Ion: 94 Resp: 27490

Ion Ratio Lower Upper

94 100

96 85.4 76.6 115.0

93 24.3 18.5 27.7



#6

Chloroethane

Concen: 17.829 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062208.D

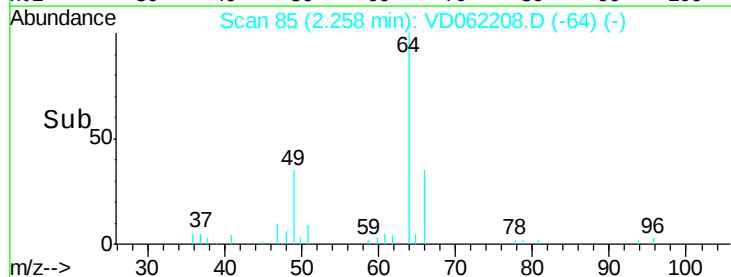
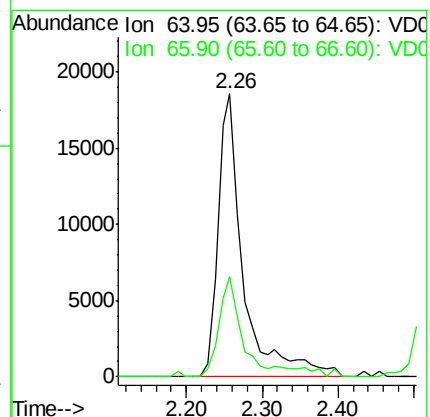
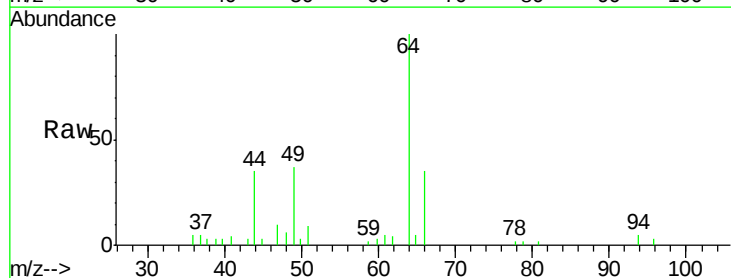
Acq: 10 May 2019 11:49

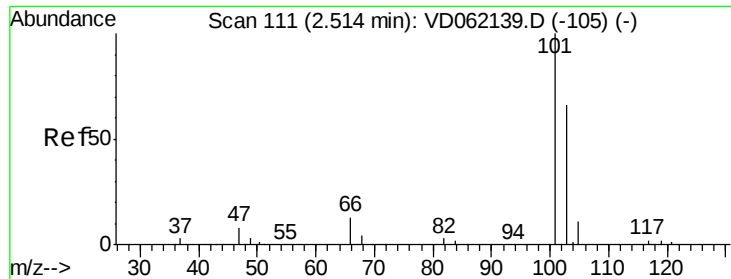
Tgt Ion: 64 Resp: 43146

Ion Ratio Lower Upper

64 100

66 35.3 25.6 38.4



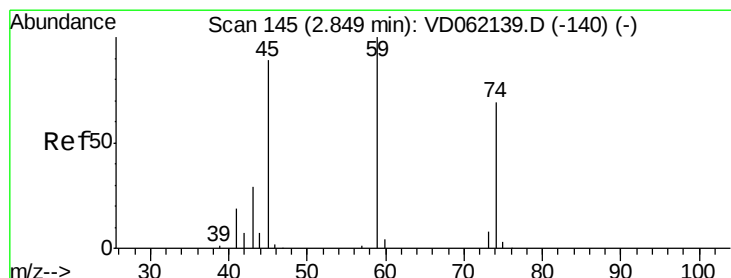
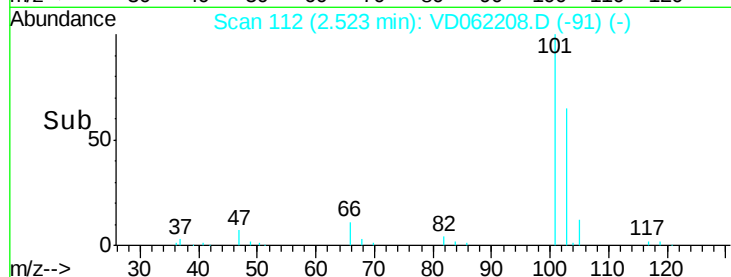
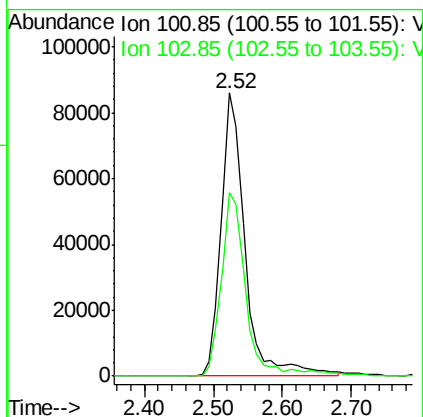
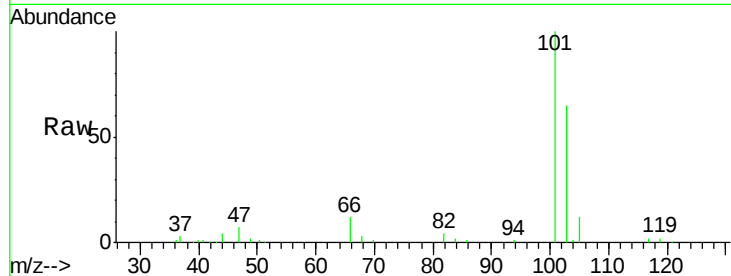


#7

Trichlorofluoromethane
 Concen: 18.489 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Instrument :
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 VD0510SBS01

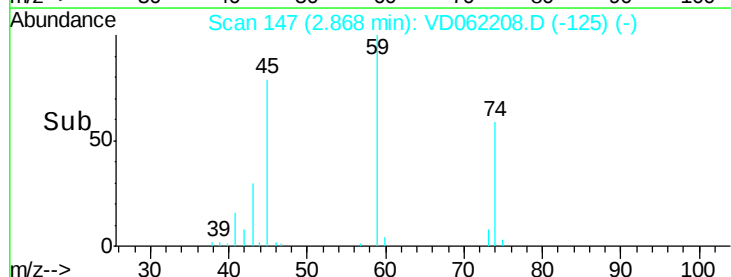
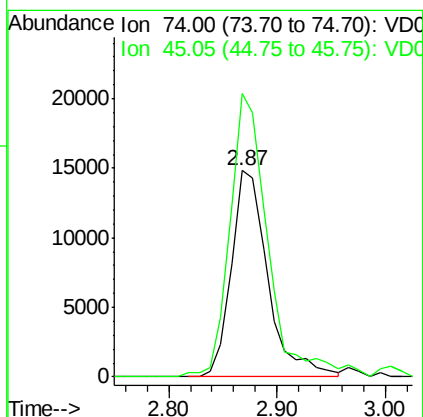
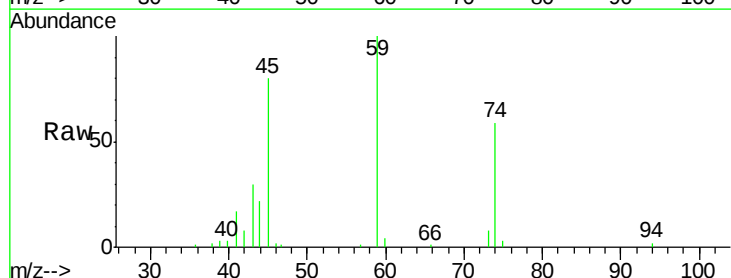
Tot Ion:101 Resp: 207303
 Ion Ratio Lower Upper
 101 100
 103 65.0 53.6 80.4



#8

Diethyl Ether
 Concen: 16.174 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.02 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Tgt Ion: 74 Resp: 34974
 Ion Ratio Lower Upper
 74 100
 45 137.1 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.385 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

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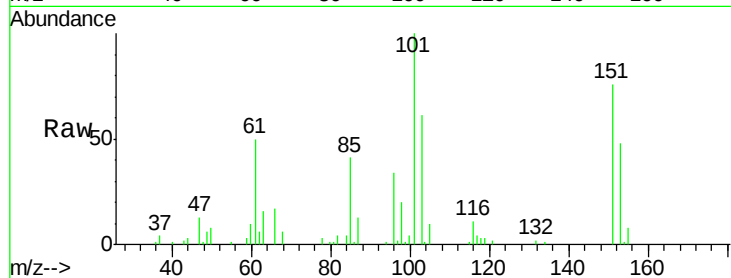
Tot Ion:101 Resp: 155932

Ion Ratio Lower Upper

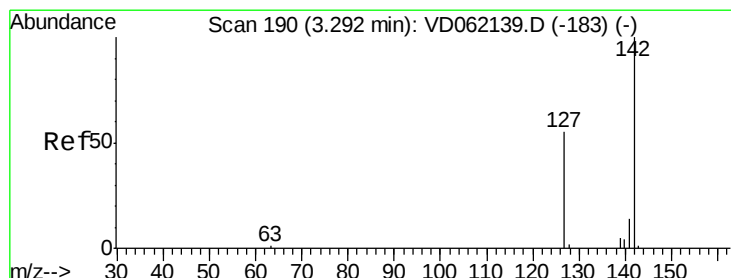
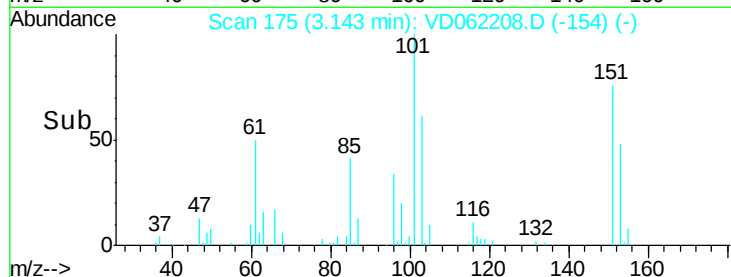
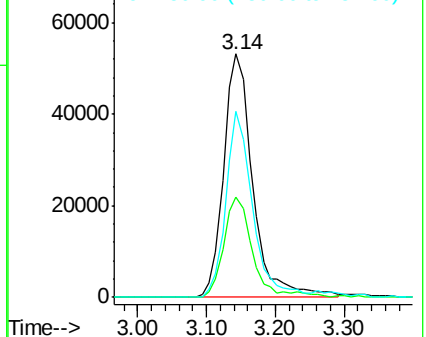
101 100

85 41.4 32.4 48.6

151 76.5 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: 13.939 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

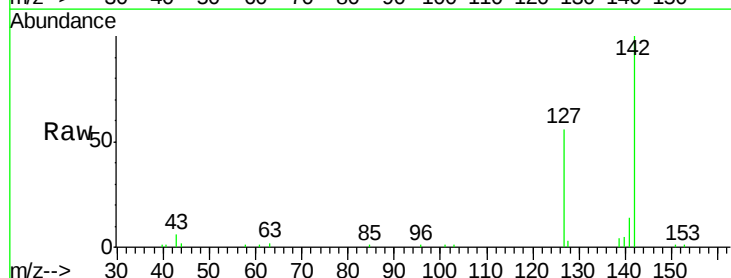
Tgt Ion:142 Resp: 178688

Ion Ratio Lower Upper

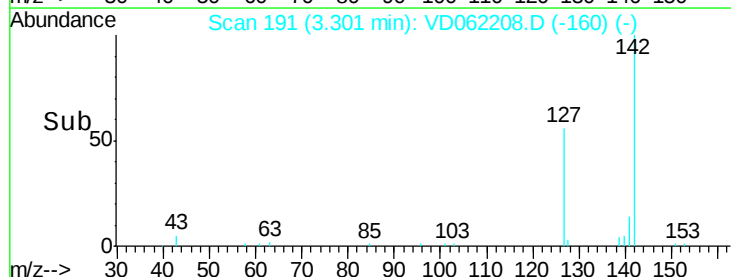
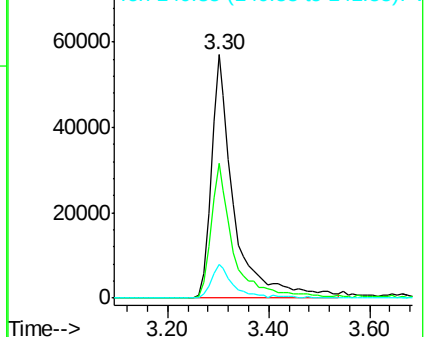
142 100

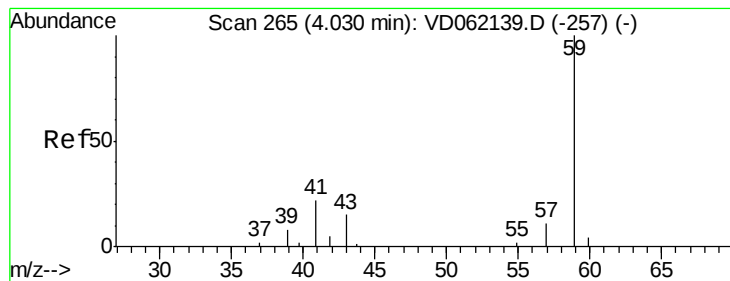
127 55.5 38.8 58.2

141 13.8 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



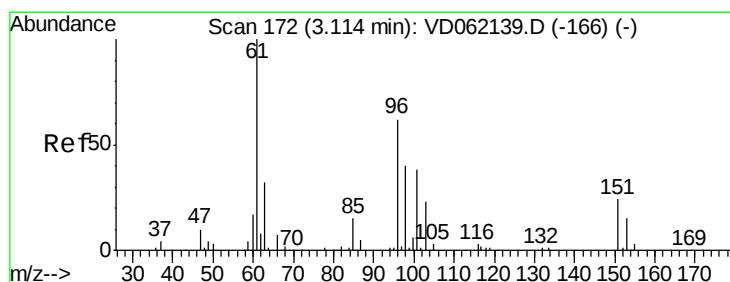
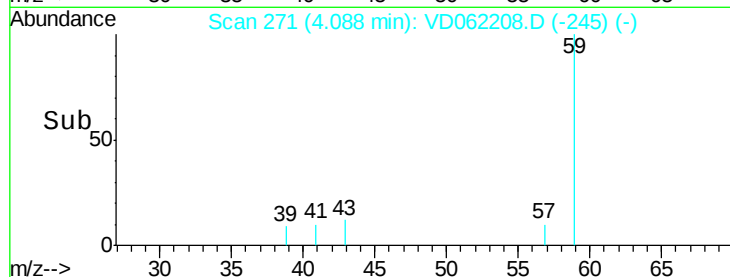
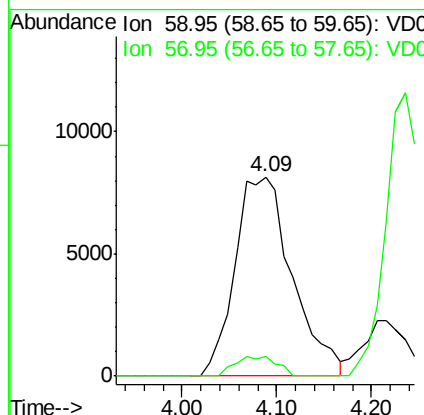
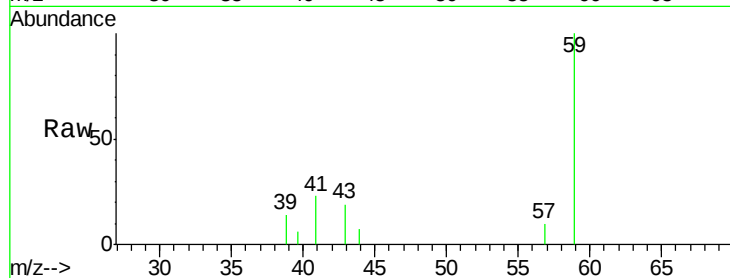


#11

Tert butyl alcohol
 Concen: 84.682 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.06 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS01

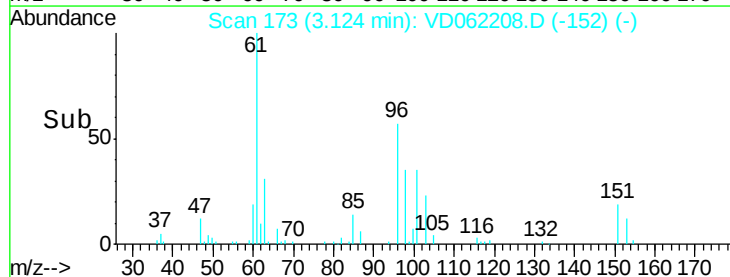
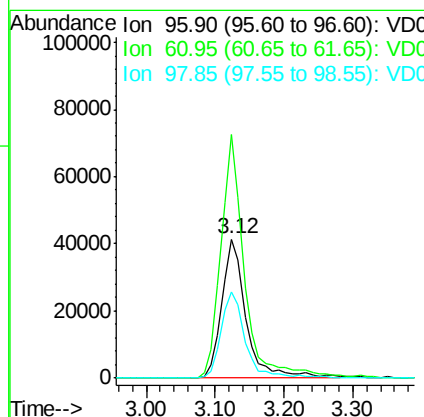
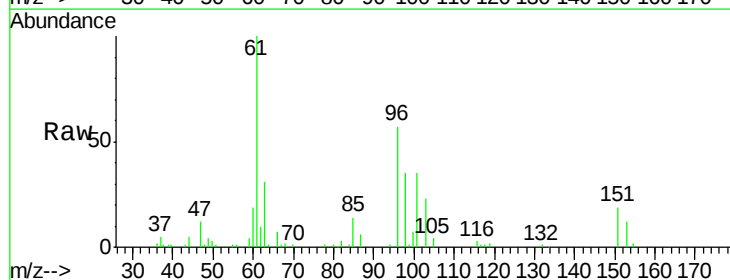
Tot Ion: 59 Resp: 34110
 Ion Ratio Lower Upper
 59 100
 57 10.2 6.9 10.3

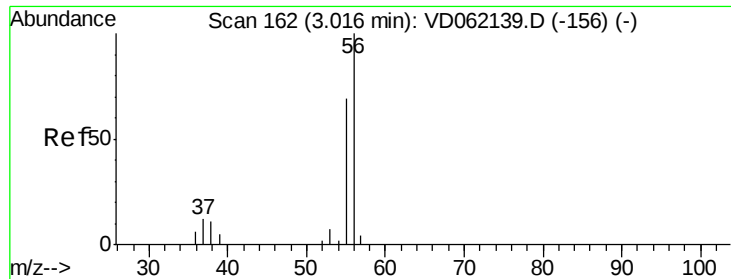


#12

1,1-Dichloroethene
 Concen: 15.674 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. 0.01 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Tgt Ion: 96 Resp: 101484
 Ion Ratio Lower Upper
 96 100
 61 175.2 129.8 194.8
 98 62.0 51.2 76.8





#13

Acrolein

Concen: 79.173 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

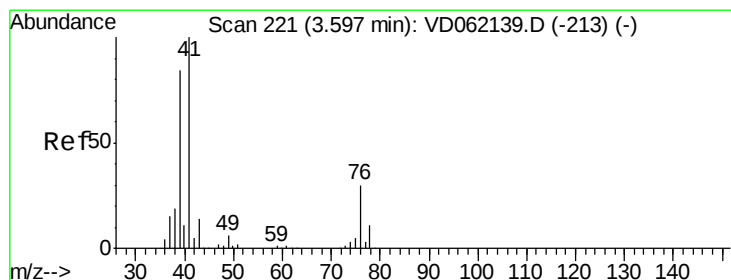
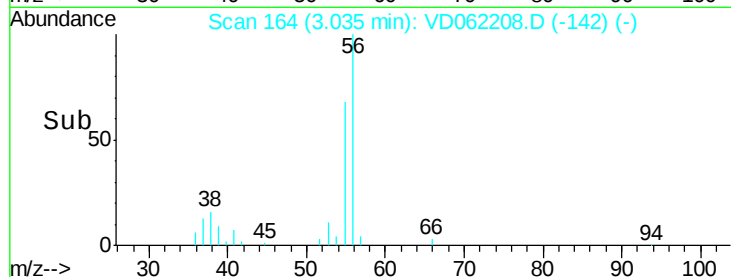
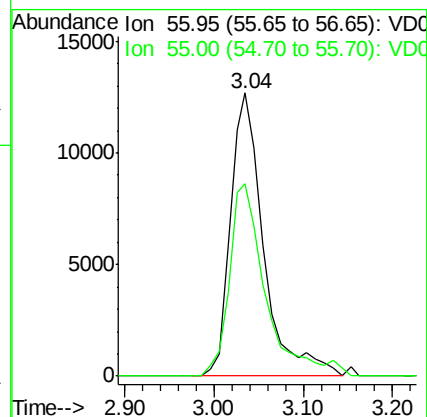
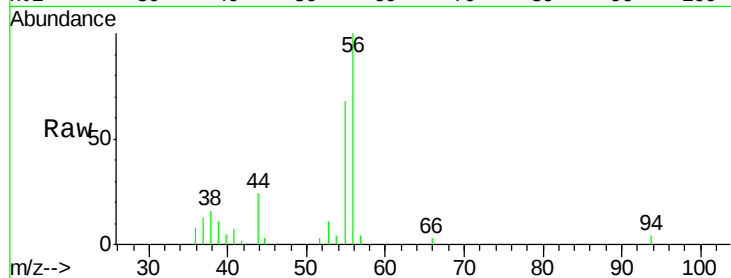
VD0510SBS01

Tot Ion: 56 Resp: 32985

Ion Ratio Lower Upper

56 100

55 68.0 51.4 77.2



#14

Allyl chloride

Concen: 16.565 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

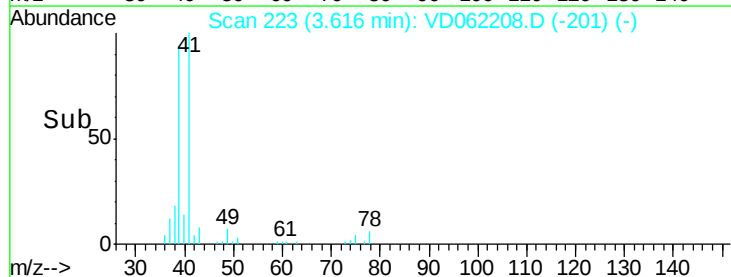
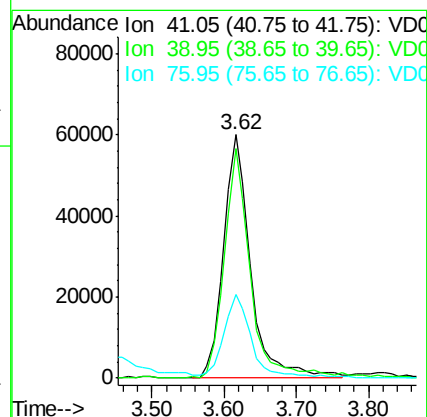
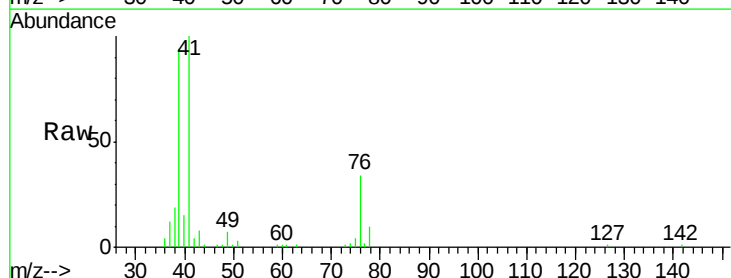
Tgt Ion: 41 Resp: 155942

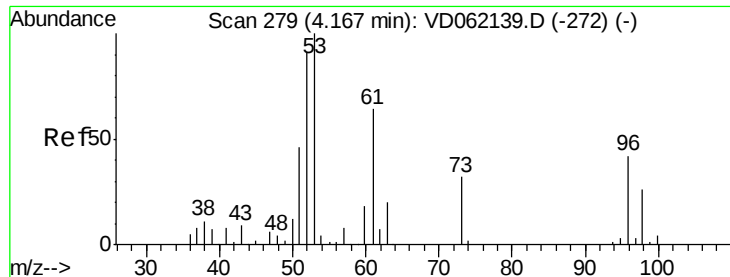
Ion Ratio Lower Upper

41 100

39 94.2 60.5 90.7#

76 34.3 31.8 47.8





#15

Acrylonitrile

Concen: 81.746 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS01

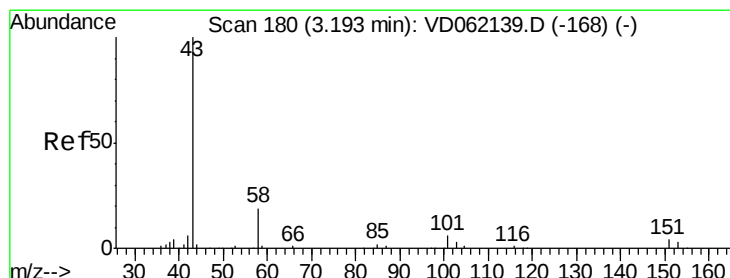
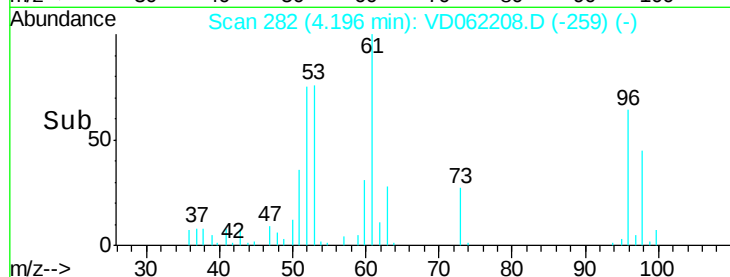
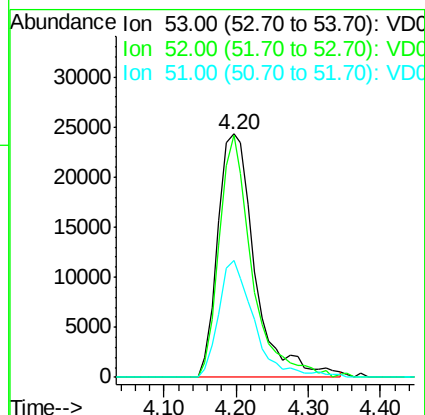
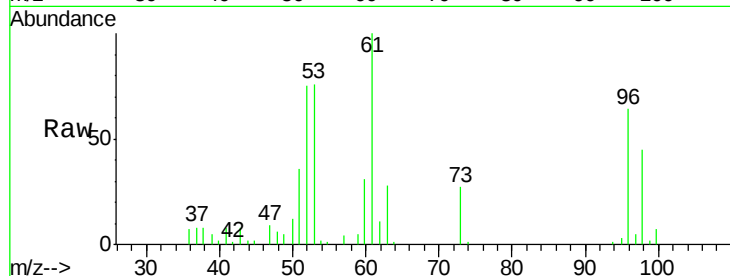
Tot Ion: 53 Resp: 86548

Ion Ratio Lower Upper

53 100

52 99.6 65.0 97.4#

51 48.2 32.6 48.8



#16

Acetone

Concen: 99.450 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062208.D

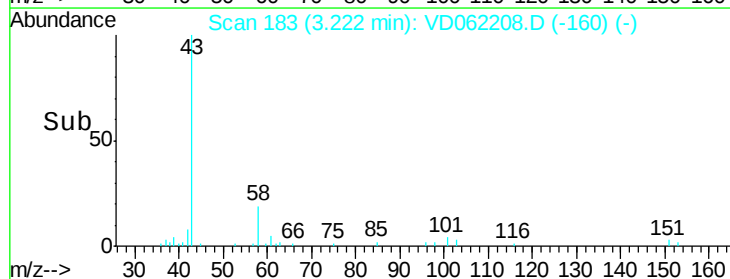
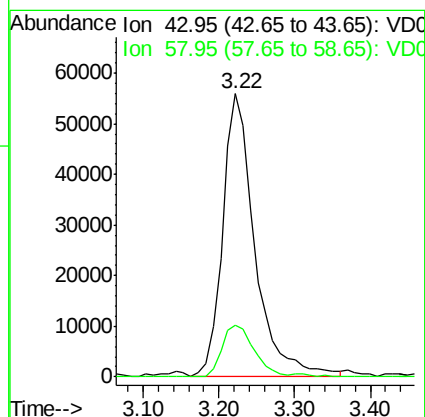
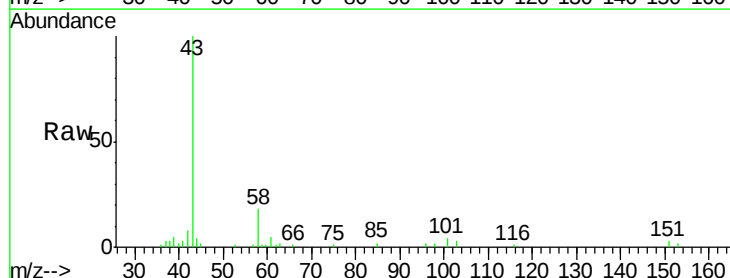
Acq: 10 May 2019 11:49

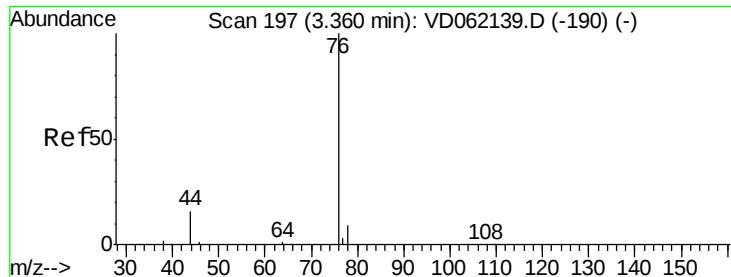
Tgt Ion: 43 Resp: 164576

Ion Ratio Lower Upper

43 100

58 18.4 19.9 29.9#

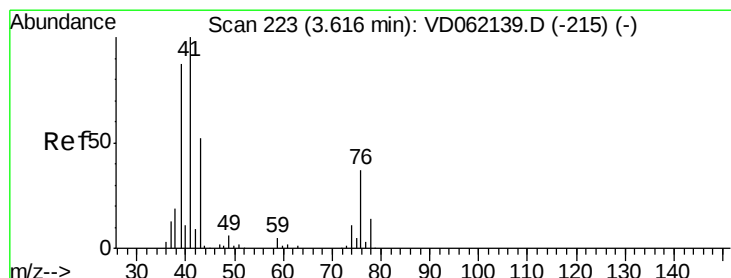
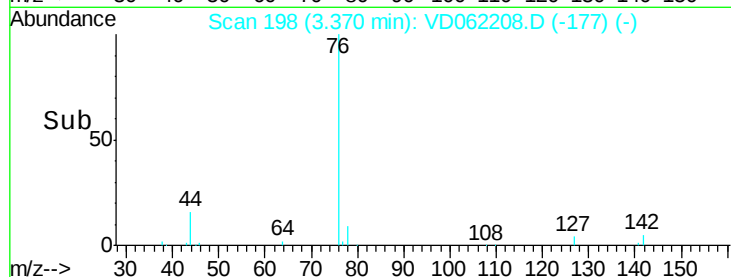
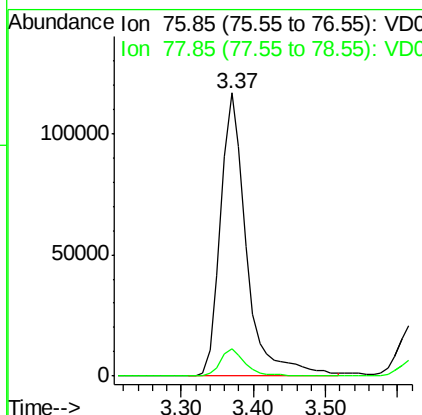
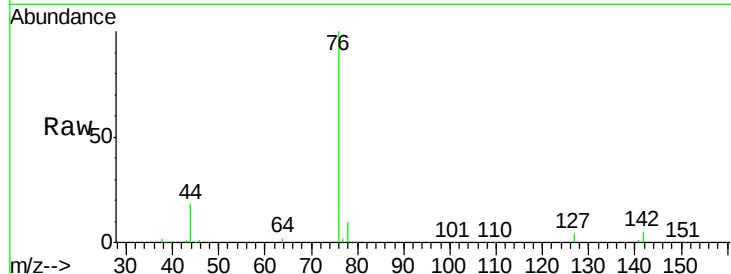




#17
Carbon Disulfide
Concen: 15.688 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

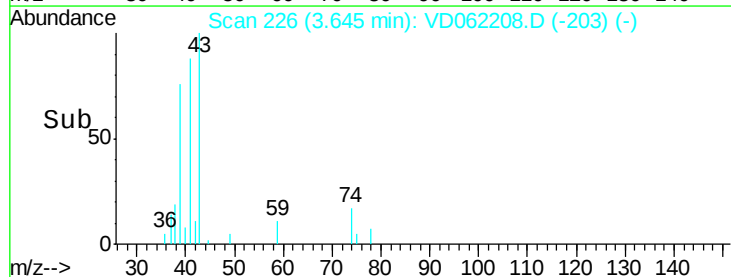
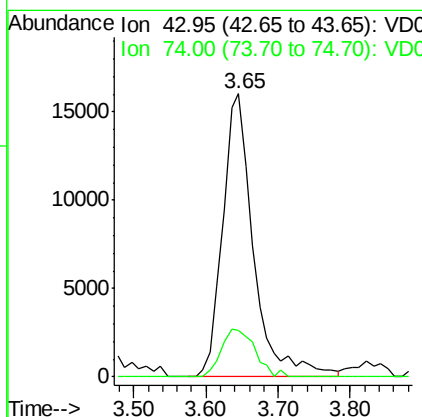
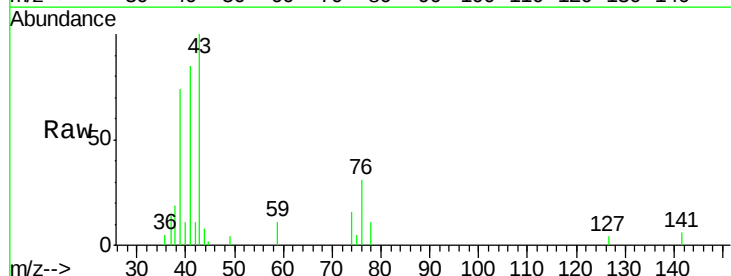
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

Tot Ion: 76 Resp: 292201
Ion Ratio Lower Upper
76 100
78 9.7 7.2 10.8



#18
Methyl Acetate
Concen: 15.803 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Tgt Ion: 43 Resp: 47386
Ion Ratio Lower Upper
43 100
74 16.5 18.0 27.0#

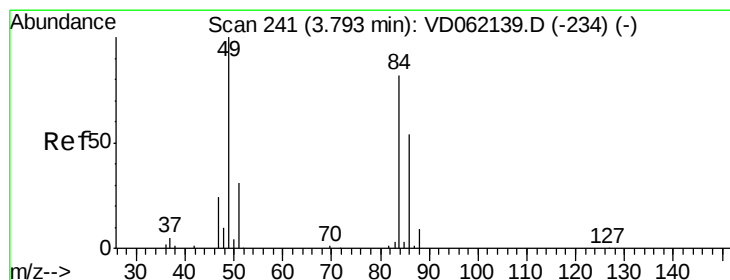
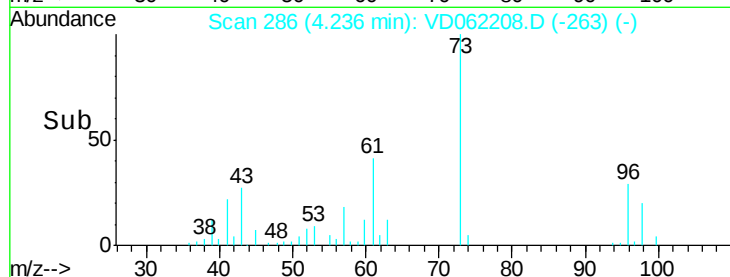
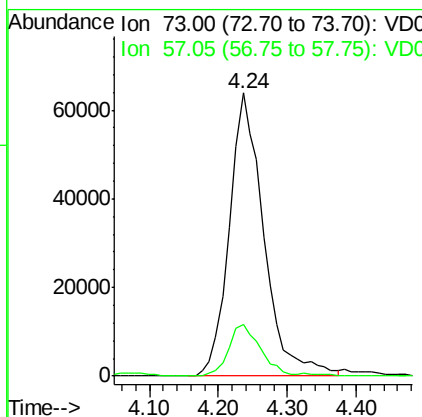
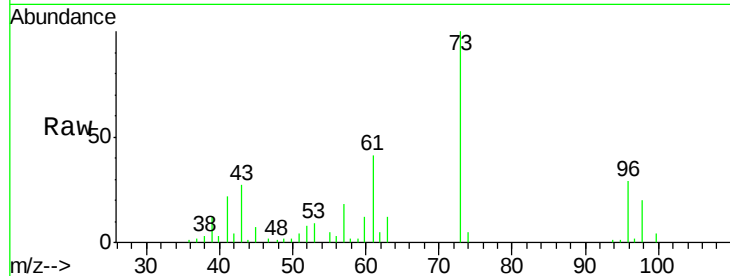




#19
Methvl tert-butvl Ether
Concen: 15.987 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.03 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

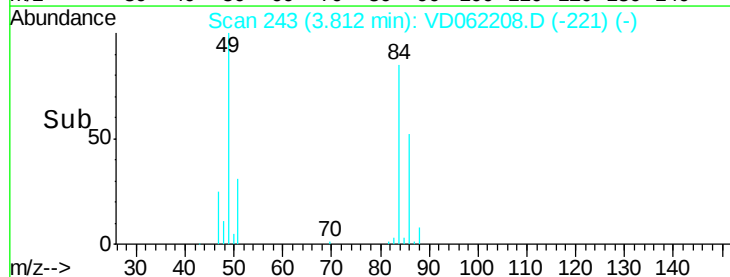
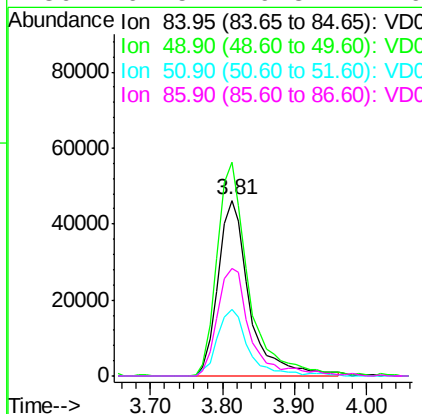
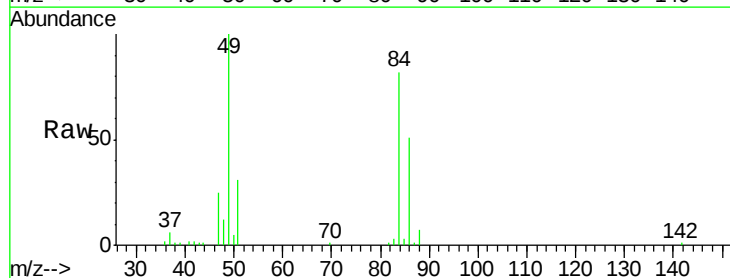
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

Tot Ion: 73 Resp: 221866
Ion Ratio Lower Upper
73 100
57 18.1 16.3 24.5



#20
Methylene Chloride
Concen: 20.090 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Tgt Ion: 84 Resp: 138813
Ion Ratio Lower Upper
84 100
49 121.7 94.0 141.0
51 37.7 29.0 43.4
86 61.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 15.636 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS01

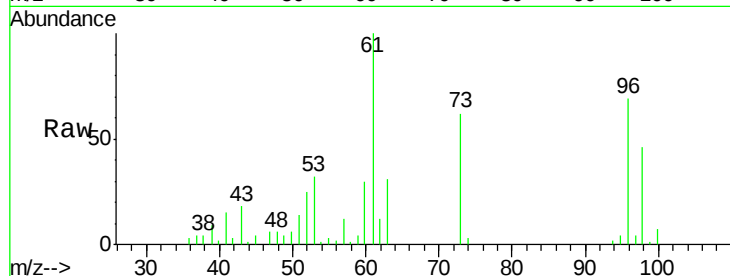
Tot Ion: 96 Resp: 112655

Ion Ratio Lower Upper

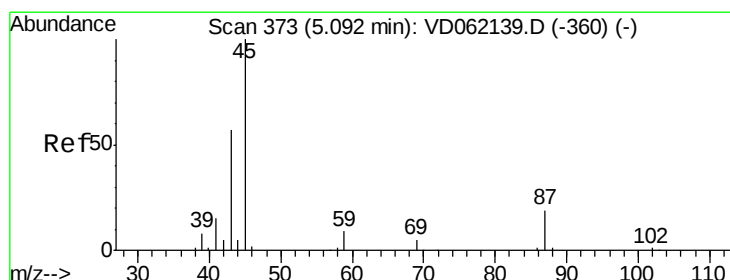
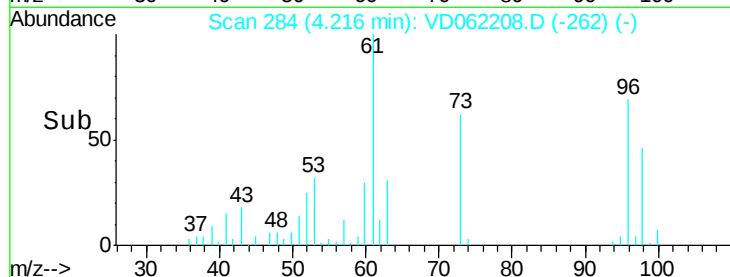
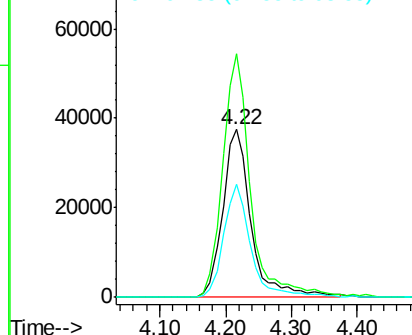
96 100

61 145.4 104.4 156.6

98 67.3 51.8 77.8



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



#22

Diisopropyl ether

Concen: 17.657 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Tgt Ion: 45 Resp: 353719

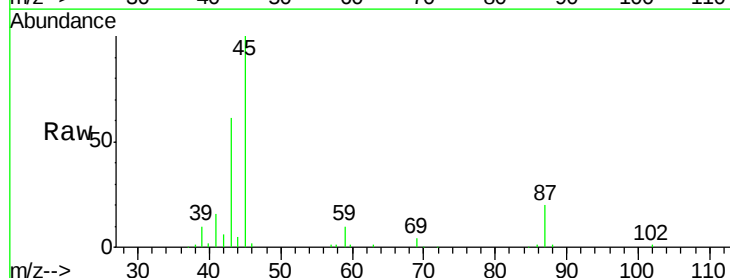
Ion Ratio Lower Upper

45 100

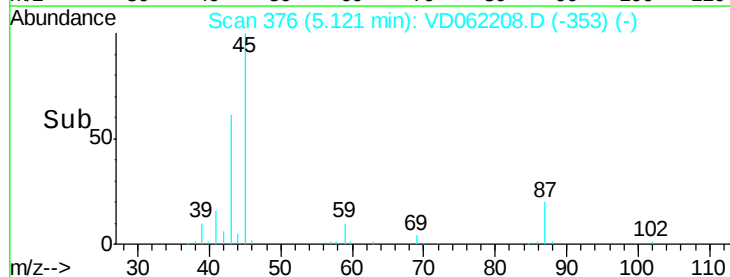
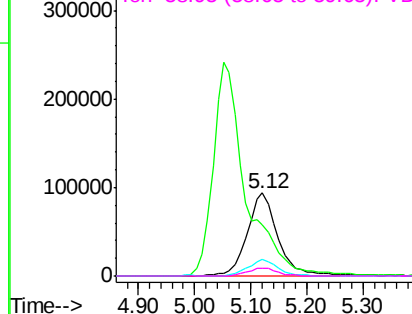
43 61.4 46.2 69.2

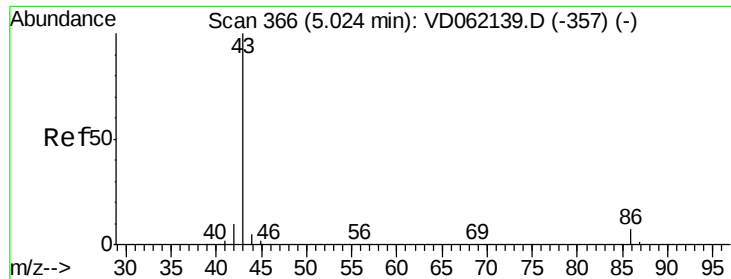
87 20.1 15.9 23.9

59 9.6 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 91.327 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.03 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleID :

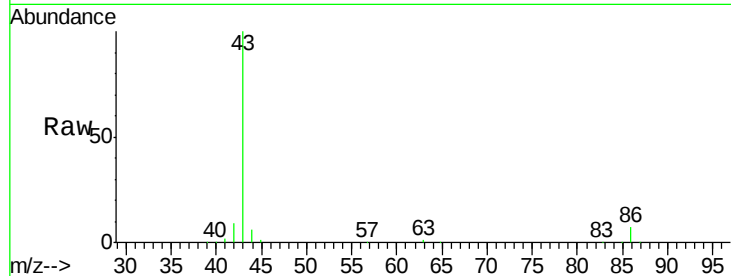
VD0510SBS01

Tot Ion: 43 Resp: 965283

Ion Ratio Lower Upper

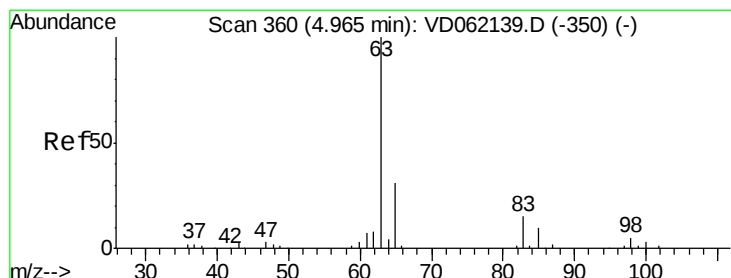
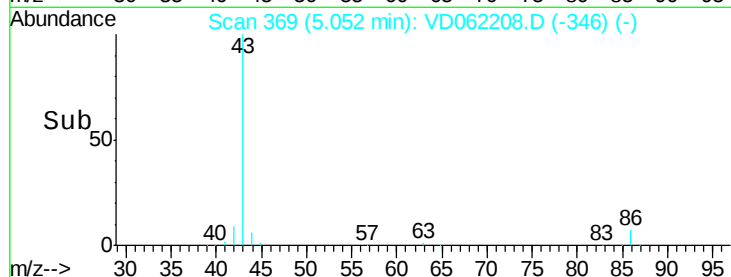
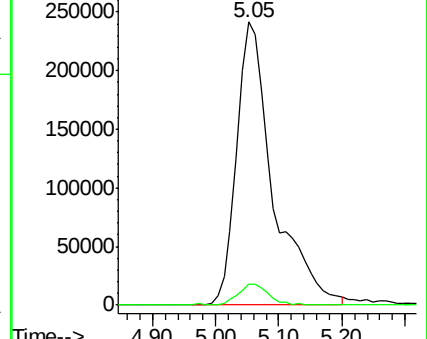
43 100

86 7.3 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: 17.057 ug/l

RT: 4.98 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

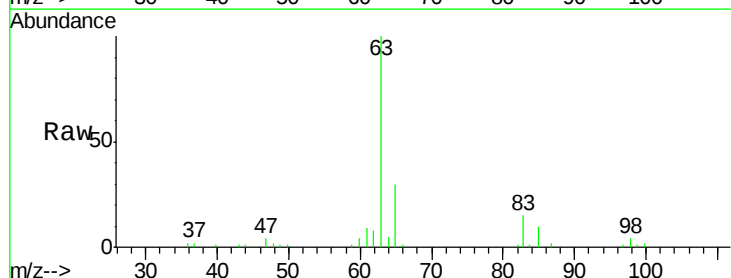
Tgt Ion: 63 Resp: 206137

Ion Ratio Lower Upper

63 100

98 4.4 2.8 8.4

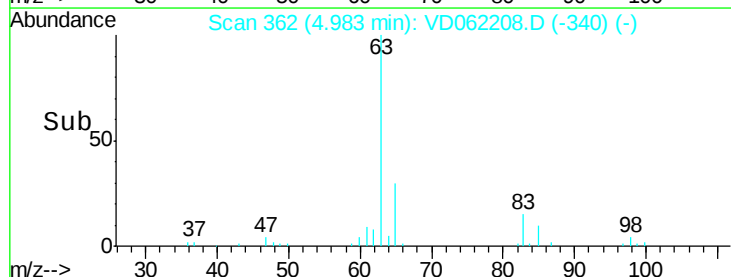
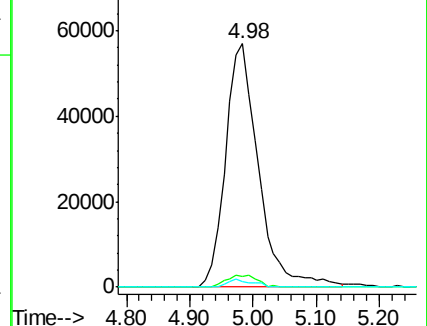
100 2.3 1.8 5.5

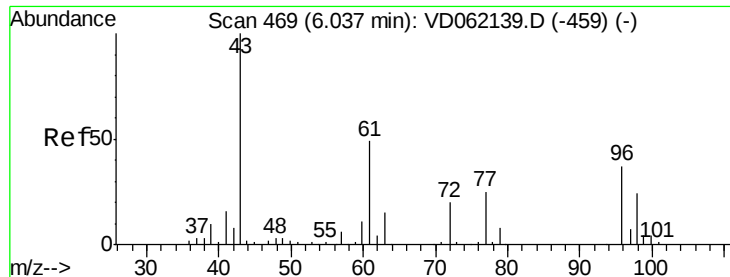


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 91.518 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

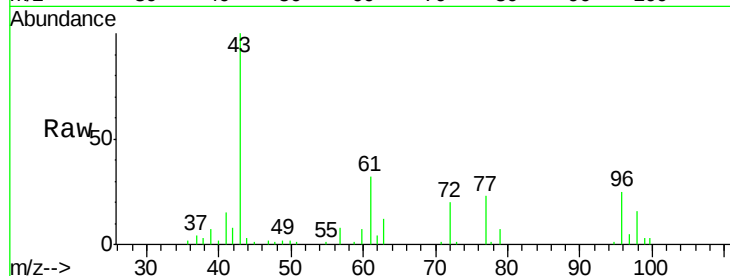
VD0510SBS01

Tot Ion: 43 Resp: 165195

Ion Ratio Lower Upper

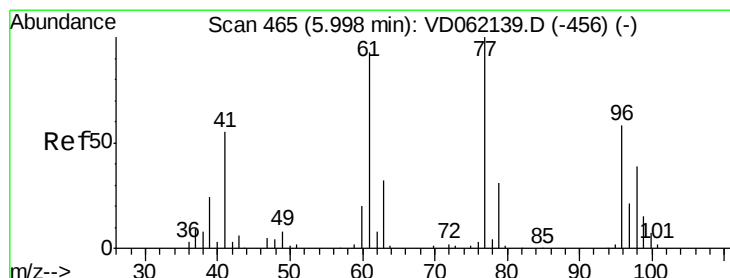
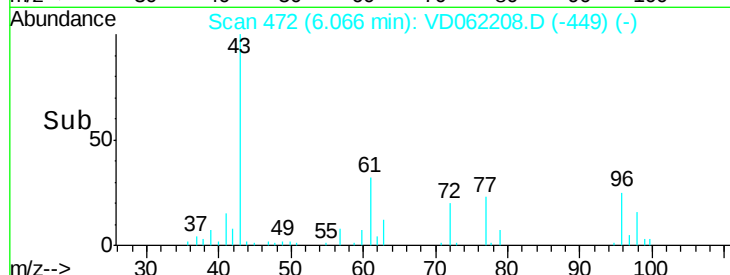
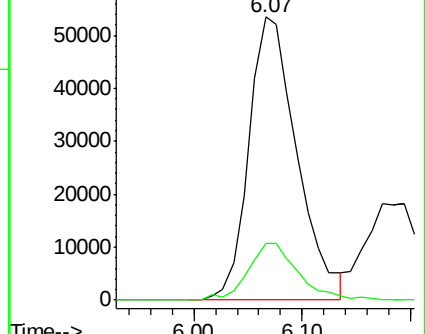
43 100

72 20.2 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: 18.578 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD062208.D

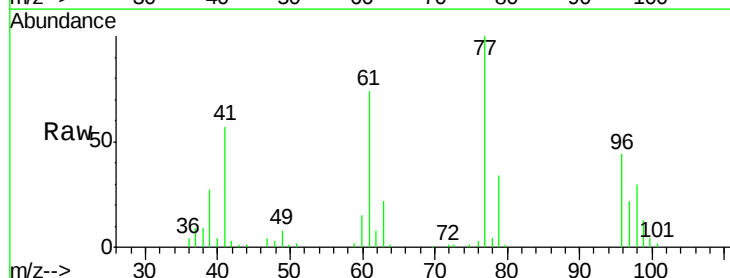
Acq: 10 May 2019 11:49

Tgt Ion: 77 Resp: 223639

Ion Ratio Lower Upper

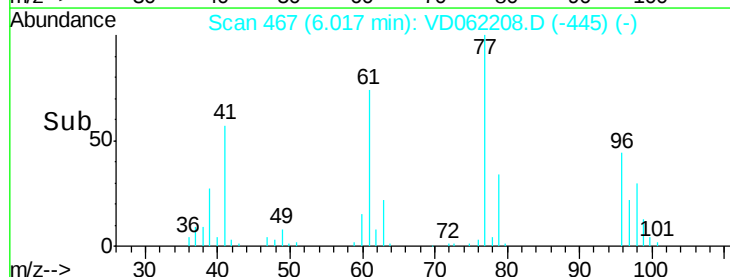
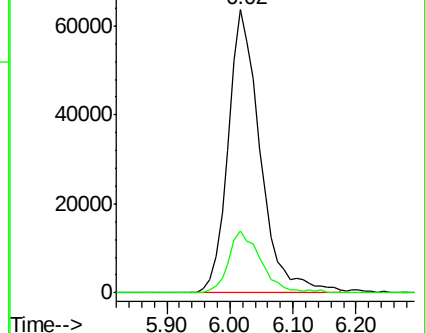
77 100

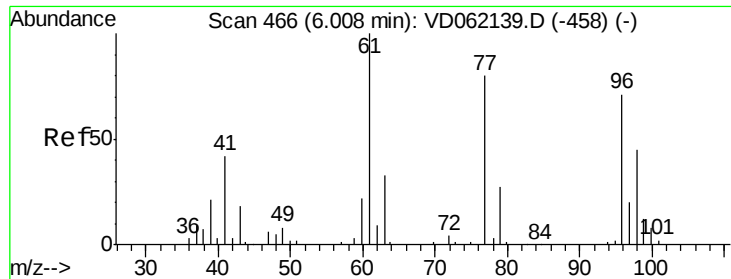
97 21.7 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



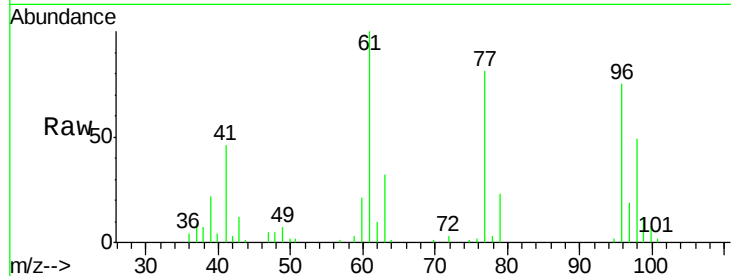


#27

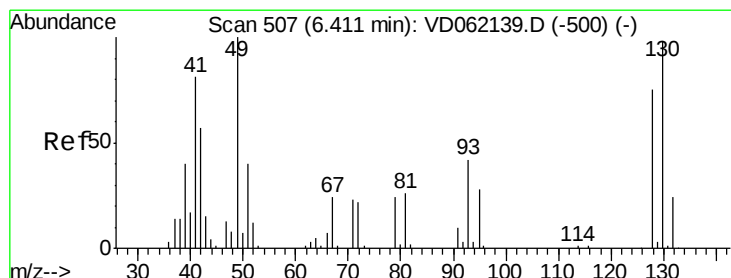
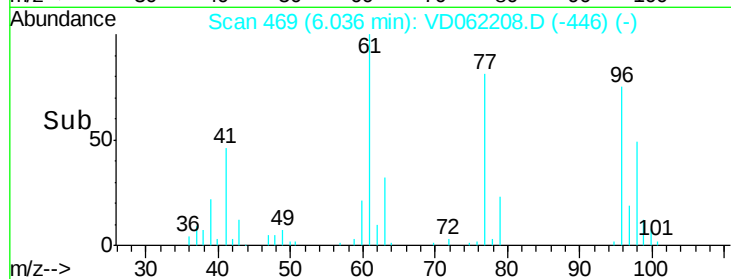
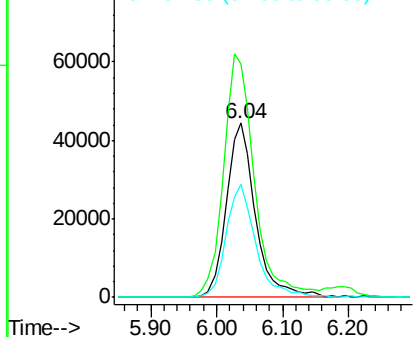
cis-1,2-Dichloroethene
 Concen: 16.972 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.03 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS01

Tot Ion: 96 Resp: 136866
 Ion Ratio Lower Upper
 96 100
 61 133.9 0.0 279.8
 98 65.1 0.0 136.0



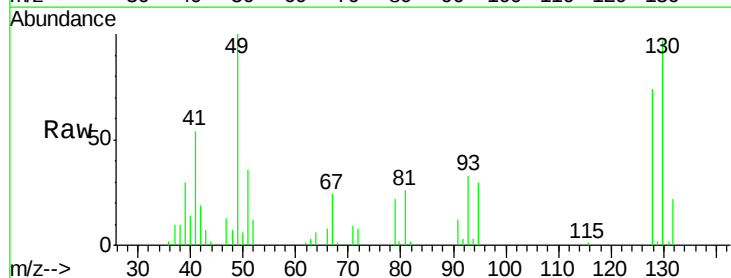
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



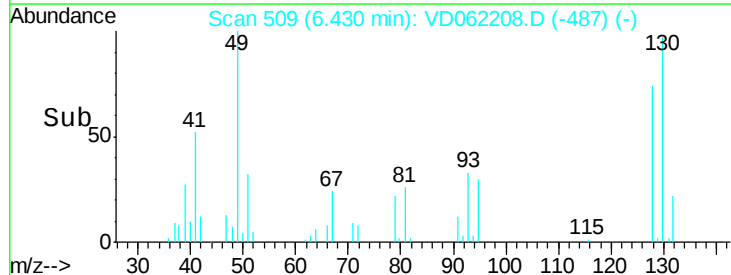
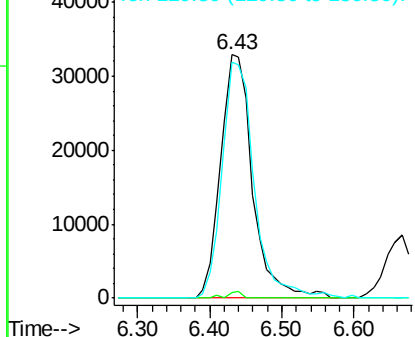
#28

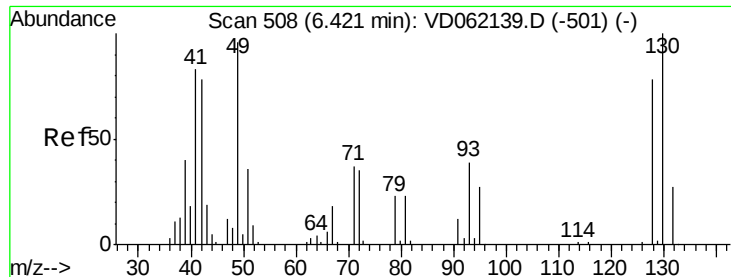
Bromochloromethane
 Concen: 21.242 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. 0.02 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Tgt Ion: 49 Resp: 100997
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 6.6
 130 96.8 86.7 130.1



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

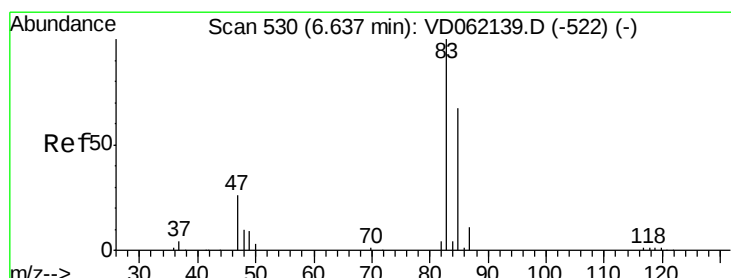
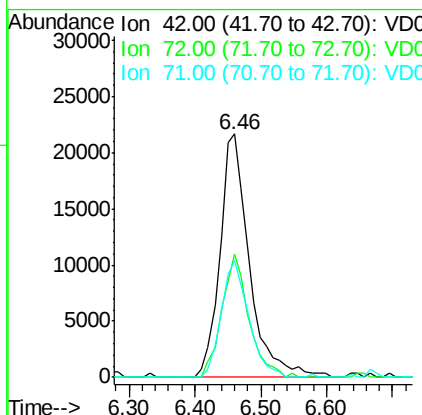
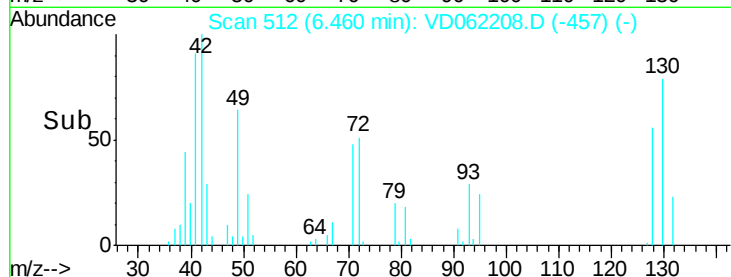
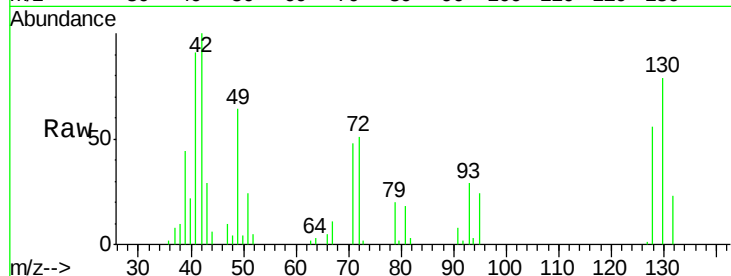




#29
Tetrahydrofuran
Concen: 80.971 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

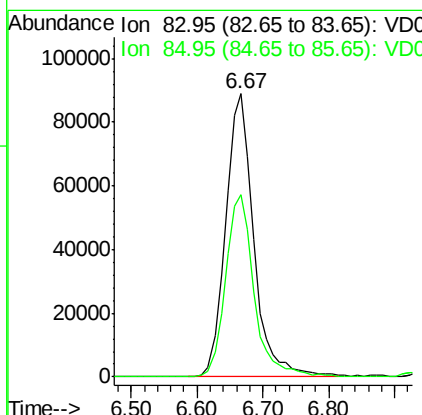
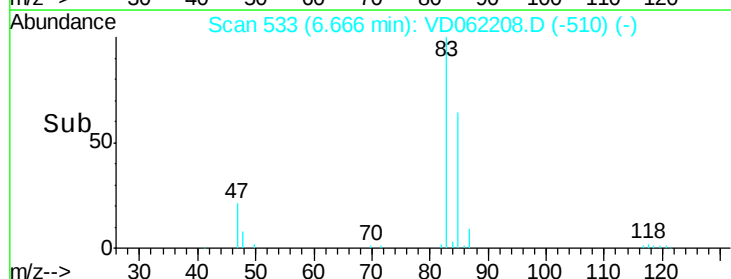
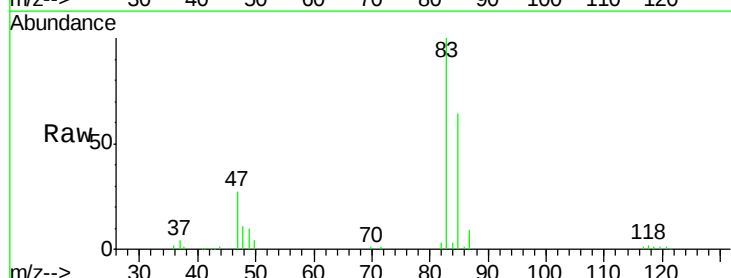
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

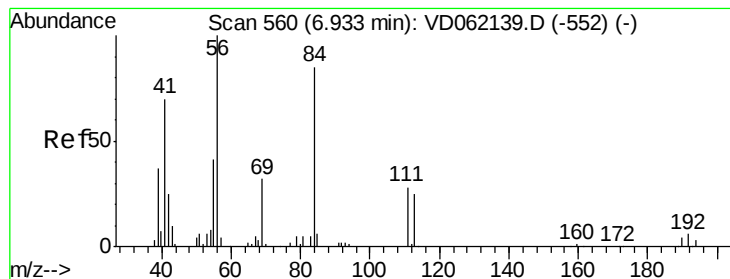
Tot Ion: 42 Resp: 67343
Ion Ratio Lower Upper
42 100
72 46.4 37.8 56.6
71 44.7 36.7 55.1



#30
Chloroform
Concen: 18.218 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.03 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Tgt Ion: 83 Resp: 265341
Ion Ratio Lower Upper
83 100
85 64.2 51.7 77.5





#31

Cyclohexane

Concen: 15.481 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.03 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS01

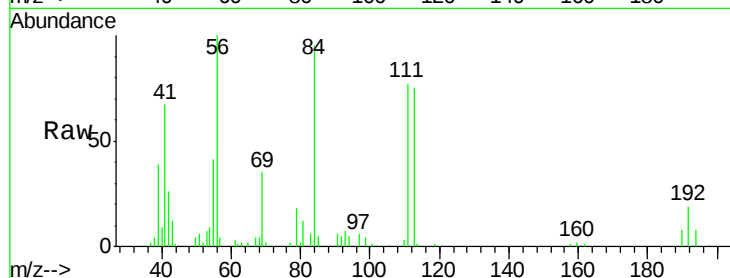
Tot Ion: 56 Resp: 128177

Ion Ratio Lower Upper

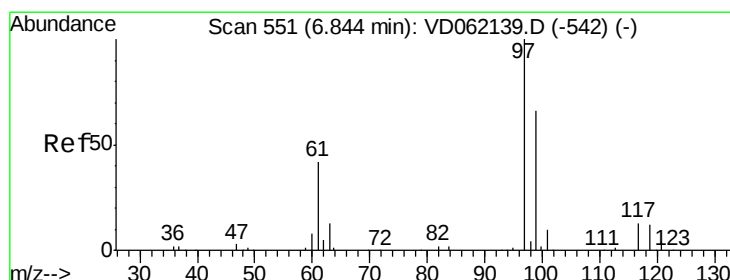
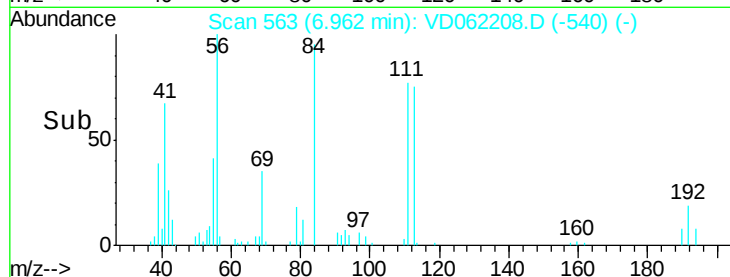
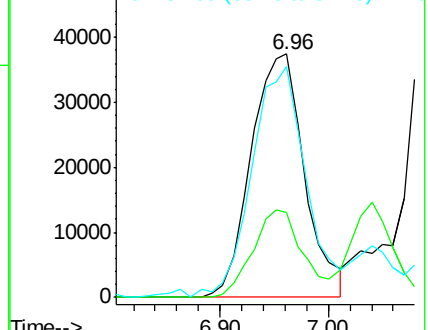
56 100

69 34.9 25.8 38.6

84 95.0 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: 17.917 ug/l

RT: 6.87 min Scan# 554

Delta R.T. 0.03 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

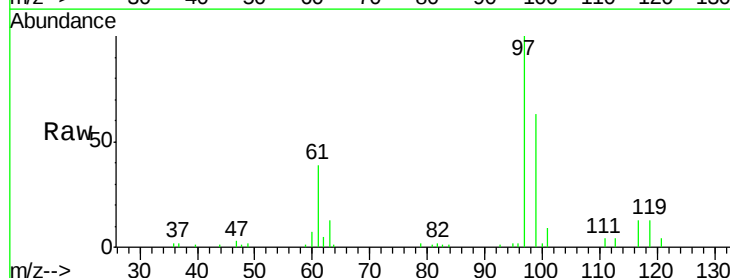
Tgt Ion: 97 Resp: 246656

Ion Ratio Lower Upper

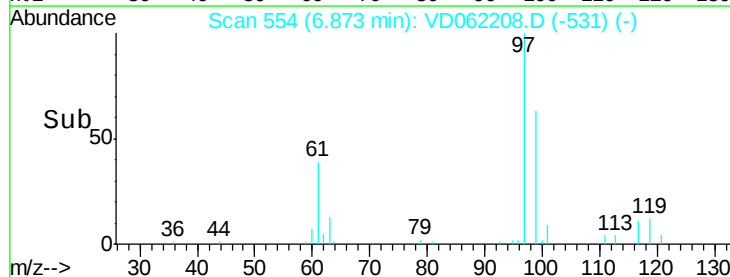
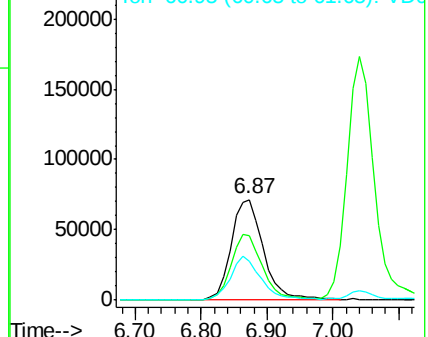
97 100

99 63.4 52.2 78.2

61 38.7 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: 52.115 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

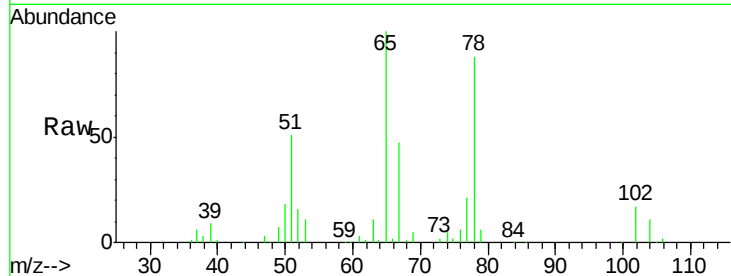
VD0510SBS01

Tot Ion: 65 Resp: 411245

Ion Ratio Lower Upper

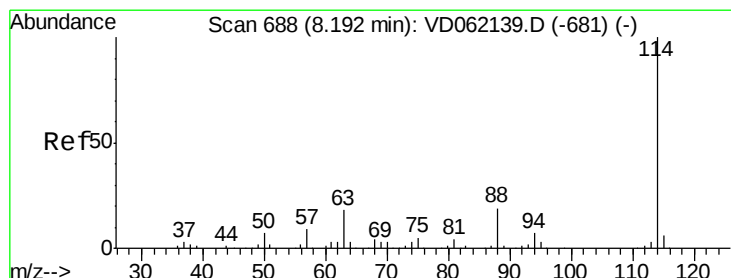
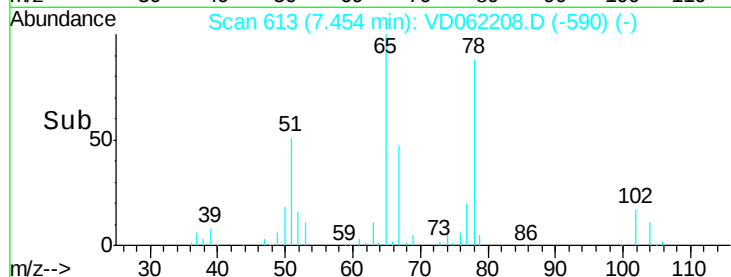
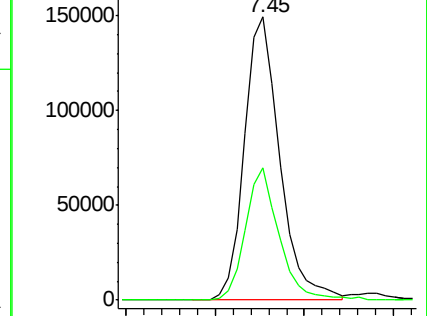
65 100

67 46.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

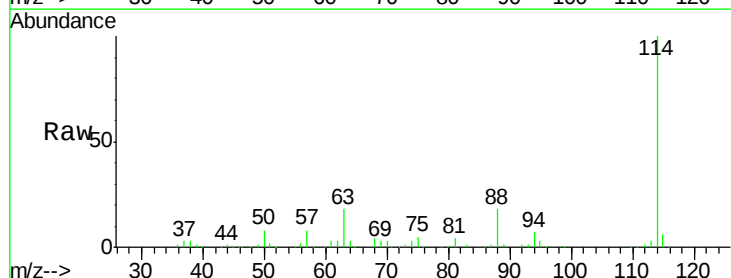
Tgt Ion: 114 Resp: 1128806

Ion Ratio Lower Upper

114 100

63 18.4 0.0 32.4

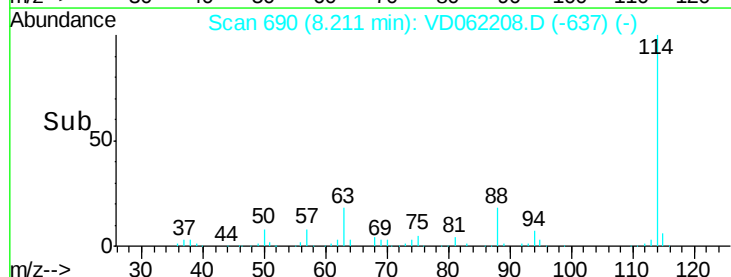
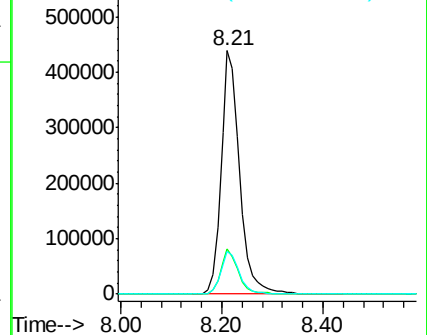
88 17.7 0.0 33.6

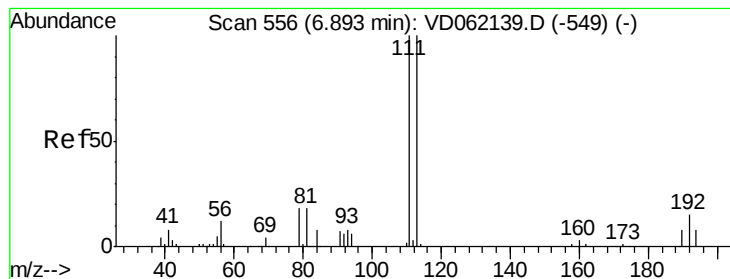


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 53.570 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS01

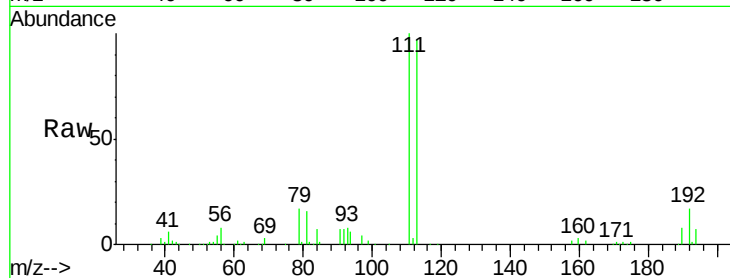
Tot Ion:113 Resp: 501730

Ion Ratio Lower Upper

113 100

111 103.1 78.5 117.7

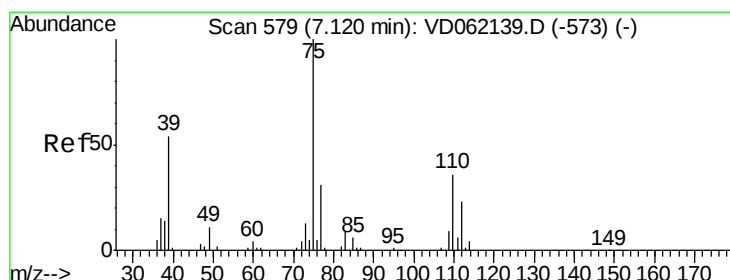
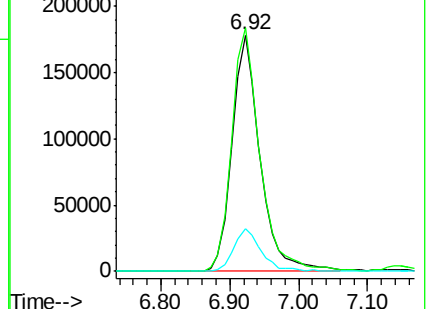
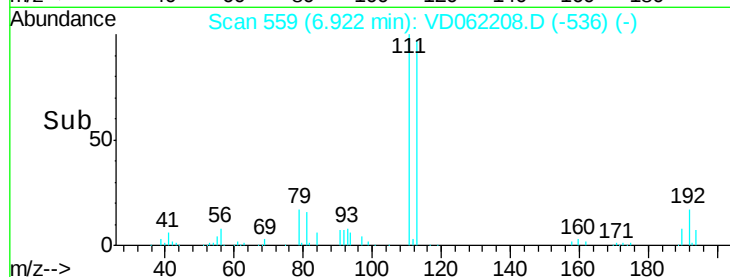
192 18.0 13.0 19.4



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: 19.232 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.03 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

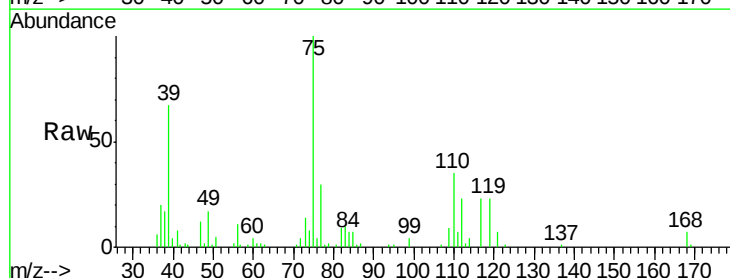
Tgt Ion: 75 Resp: 177997

Ion Ratio Lower Upper

75 100

110 35.2 19.1 57.1

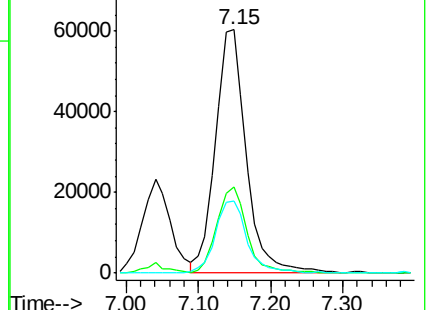
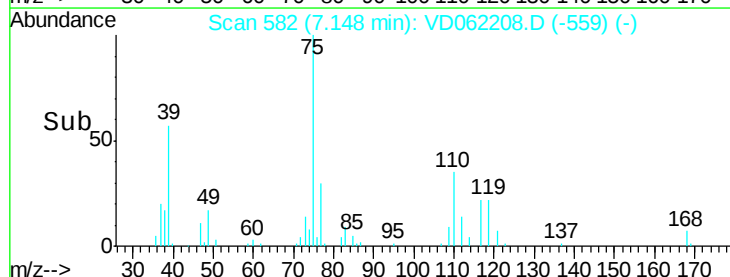
77 29.5 25.6 38.4

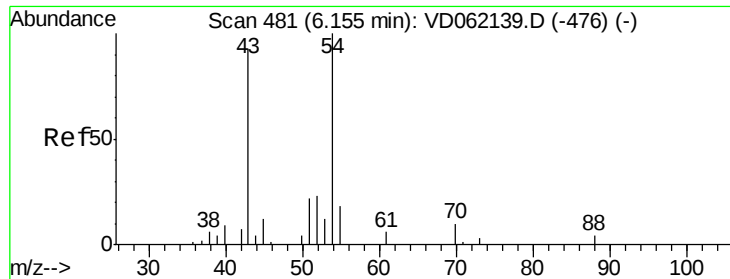


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

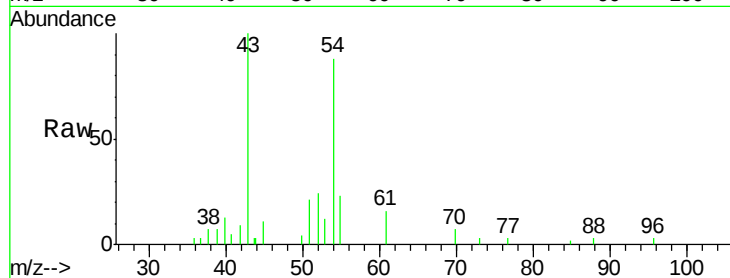




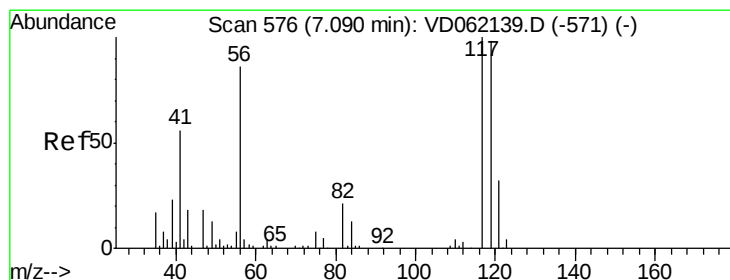
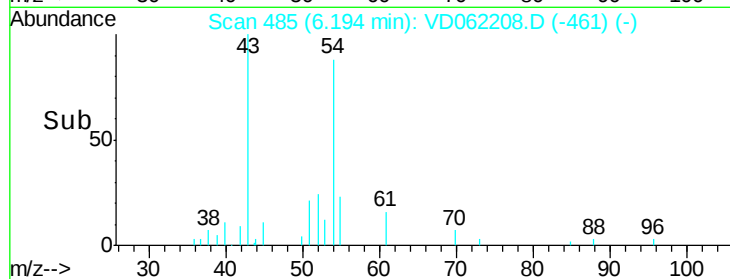
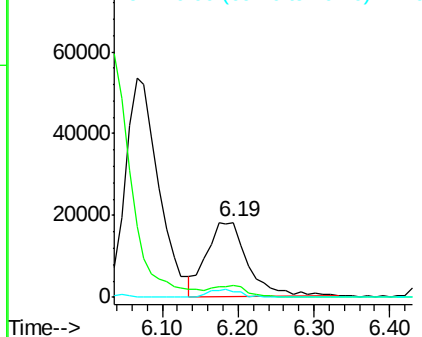
#37
Ethyl Acetate
Concen: 17.177 ug/l
RT: 6.19 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

Tot Ion: 43 Resp: 67418
Ion Ratio Lower Upper
43 100
61 15.6 14.7 22.1
70 7.2 7.8 11.6#

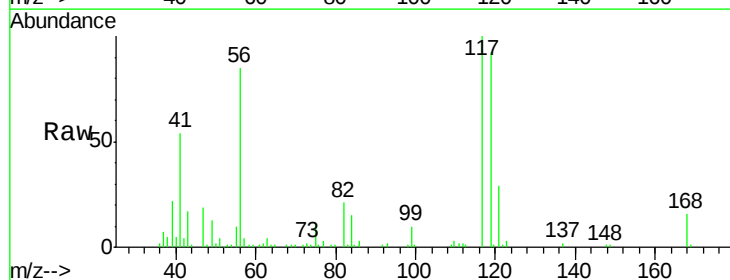


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

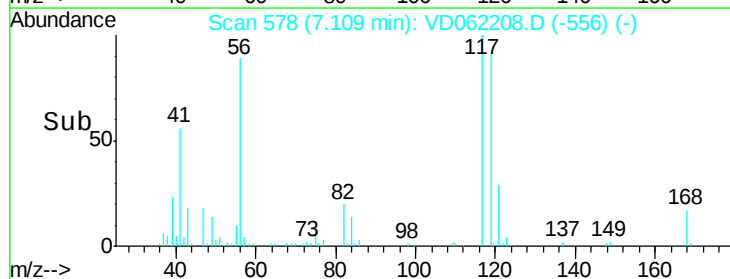
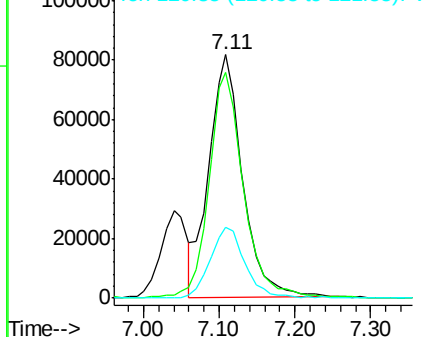


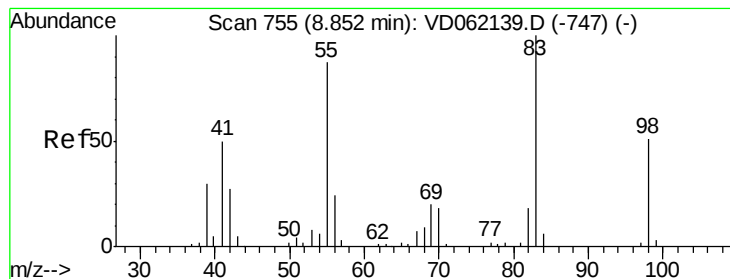
#38
Carbon Tetrachloride
Concen: 19.665 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Tgt Ion: 117 Resp: 251903
Ion Ratio Lower Upper
117 100
119 92.5 75.8 113.8
121 28.9 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 18.105 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS01

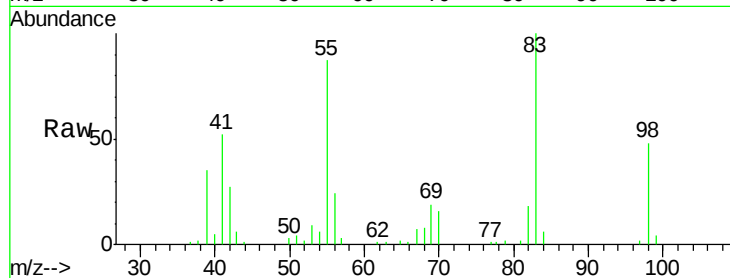
Tot Ion: 83 Resp: 160549

Ion Ratio Lower Upper

83 100

55 86.7 68.2 102.4

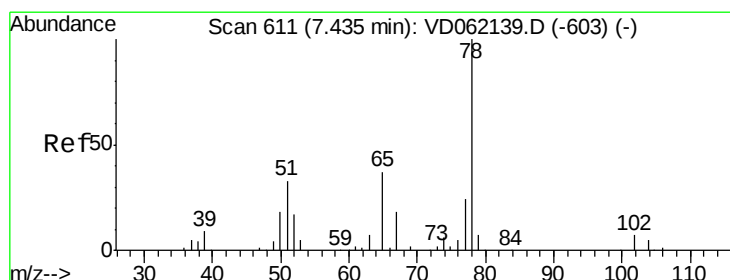
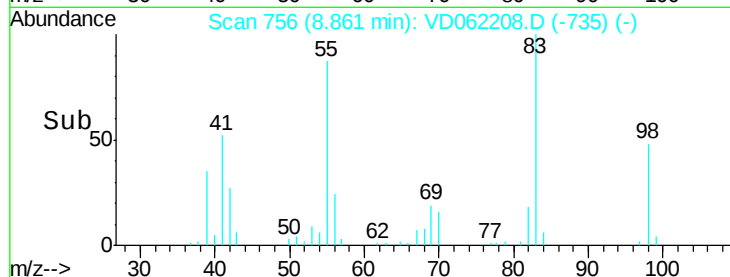
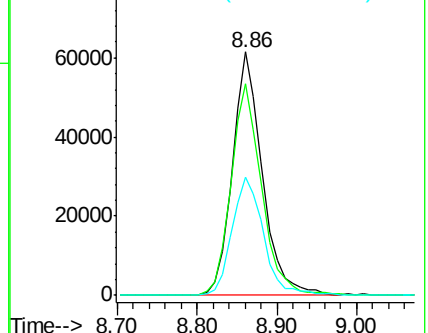
98 48.4 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 17.652 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD062208.D

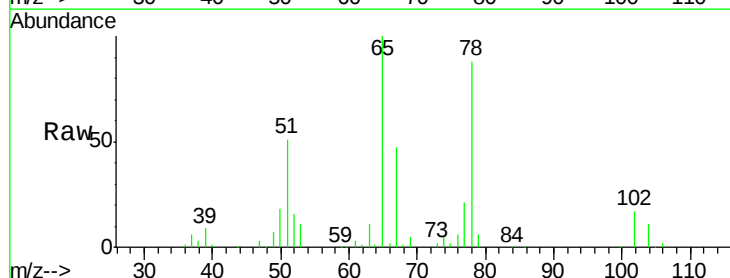
Acq: 10 May 2019 11:49

Tgt Ion: 78 Resp: 368911

Ion Ratio Lower Upper

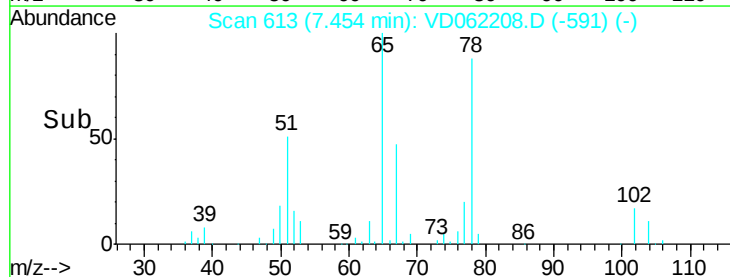
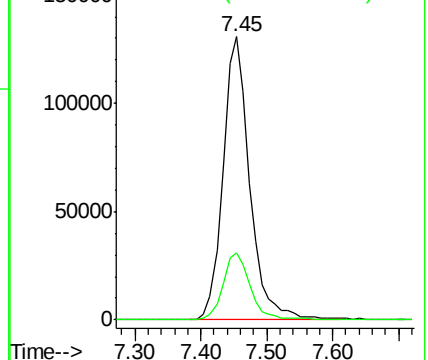
78 100

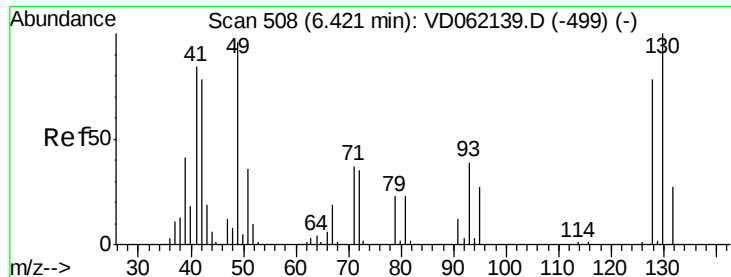
77 23.5 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 18.502 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.03 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS01

Tot Ion: 41 Resp: 88743

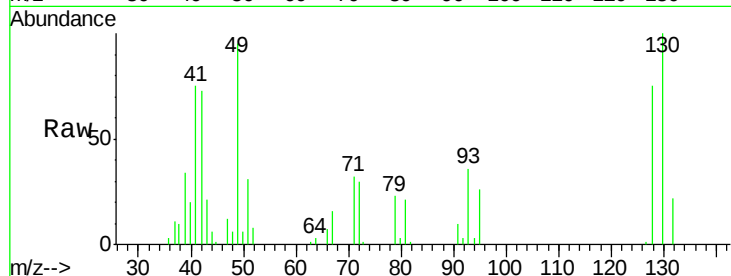
Ion Ratio Lower Upper

41 100

39 45.0 34.1 51.1

67 21.1 23.8 35.6#

52 10.3 8.8 13.2

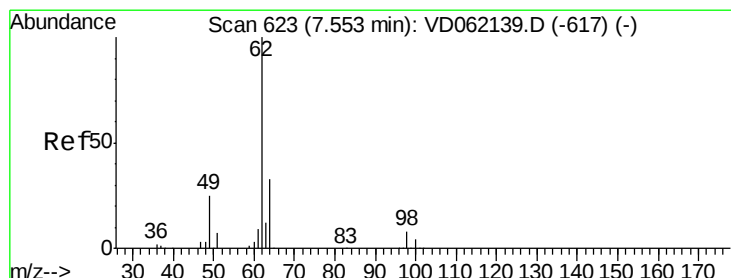
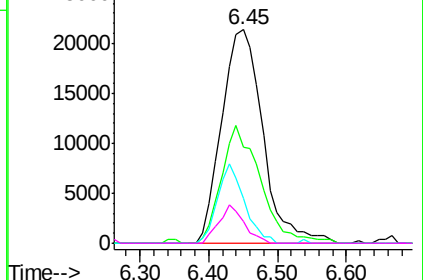
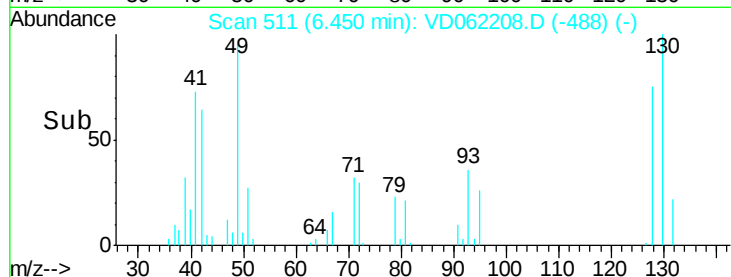


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.619 ug/l

RT: 7.58 min Scan# 626

Delta R.T. 0.03 min

Lab File: VD062208.D

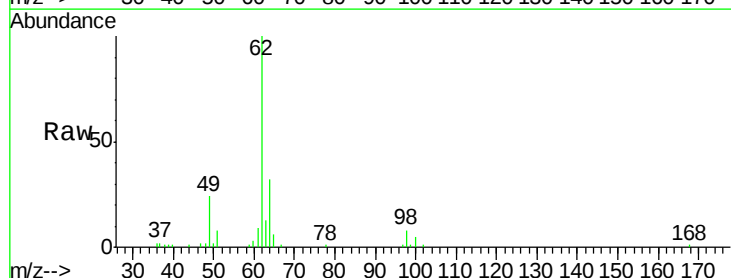
Acq: 10 May 2019 11:49

Tgt Ion: 62 Resp: 173719

Ion Ratio Lower Upper

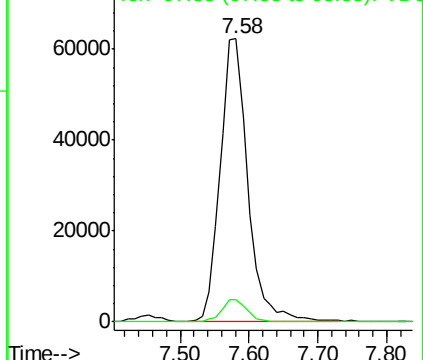
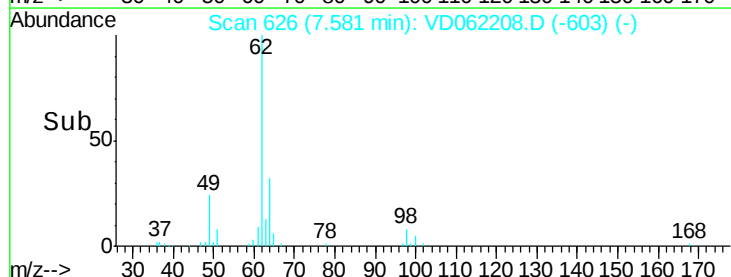
62 100

98 8.0 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 17.266 ug/l

RT: 9.23 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS01

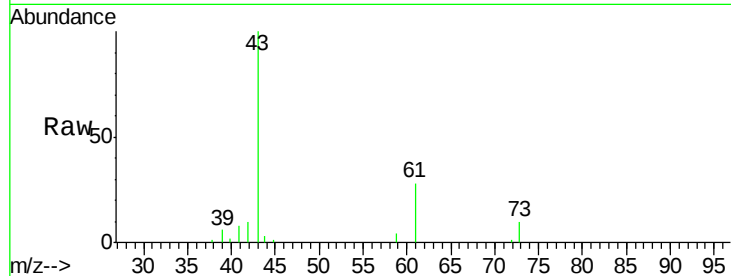
Tot Ion: 43 Resp: 96109

Ion Ratio Lower Upper

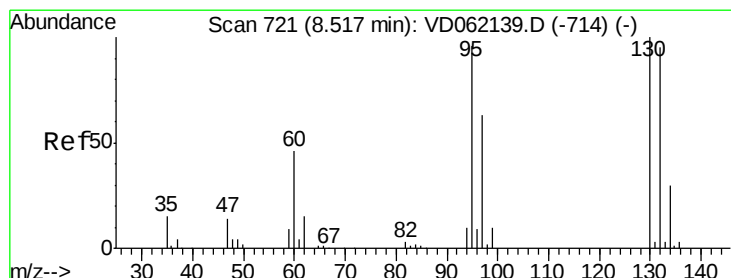
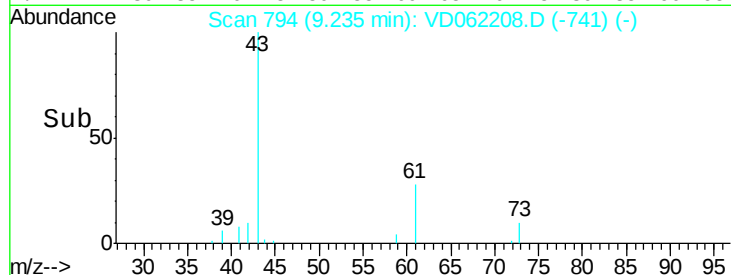
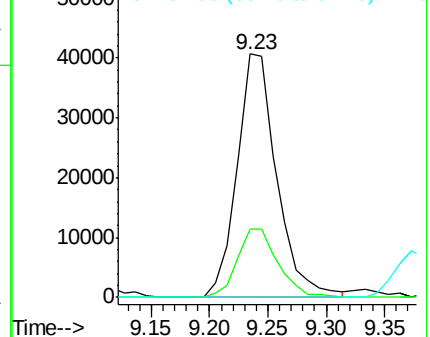
43 100

61 28.2 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: 18.506 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.02 min

Lab File: VD062208.D

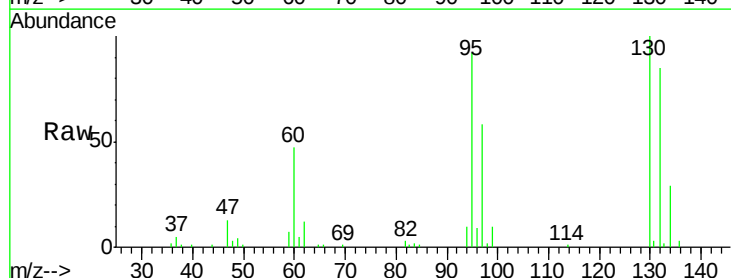
Acq: 10 May 2019 11:49

Tgt Ion:130 Resp: 147380

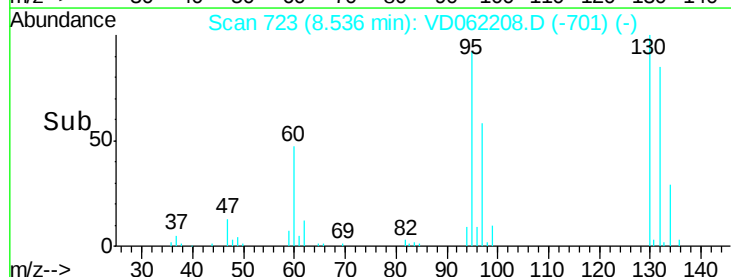
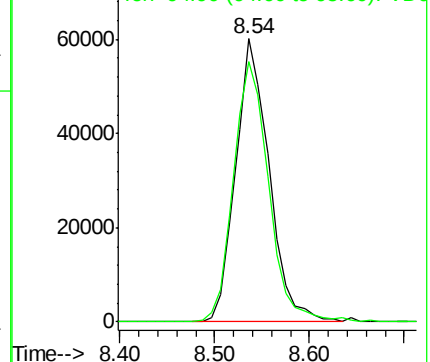
Ion Ratio Lower Upper

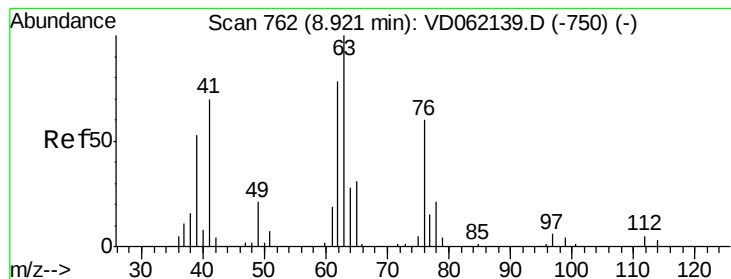
130 100

95 92.0 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: 16.749 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

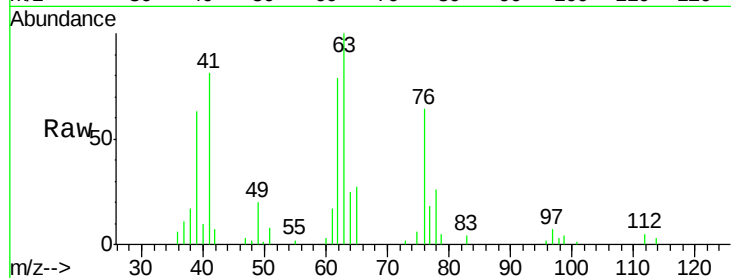
VD0510SBS01

Tot Ion: 63 Resp: 86585

Ion Ratio Lower Upper

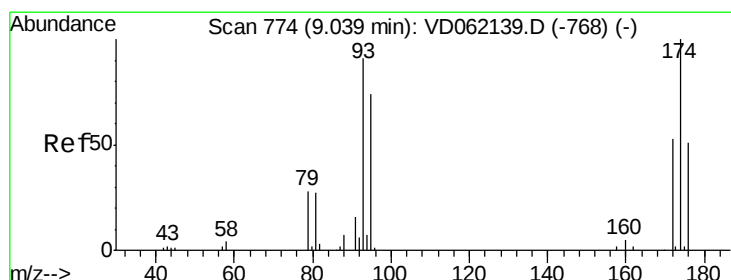
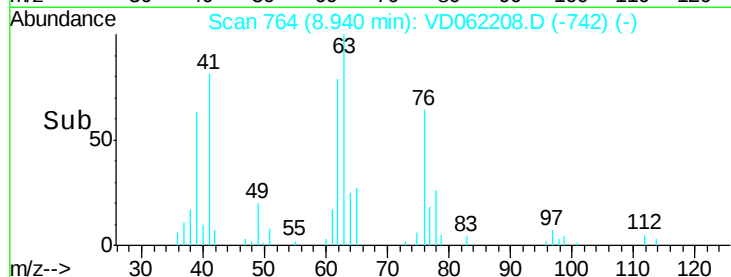
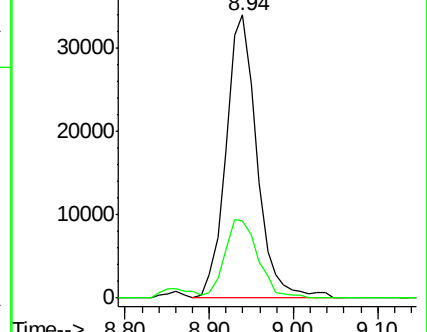
63 100

65 27.2 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: 17.215 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.02 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

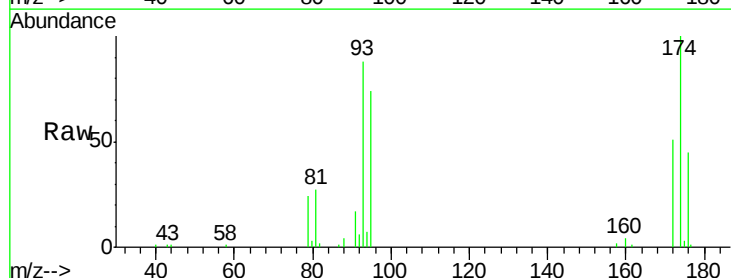
Tgt Ion: 93 Resp: 72367

Ion Ratio Lower Upper

93 100

95 84.3 64.8 97.2

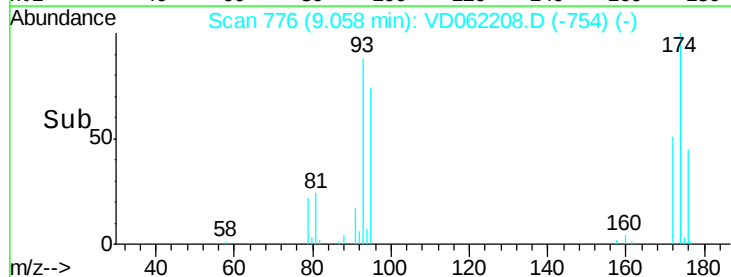
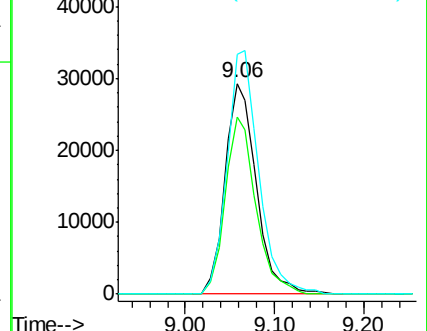
174 114.0 79.3 118.9



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: 18.453 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS01

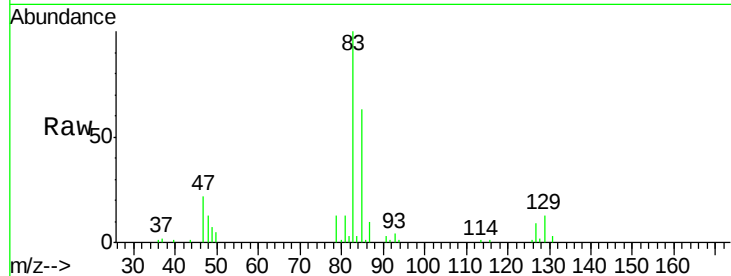
Tot Ion: 83 Resp: 189743

Ion Ratio Lower Upper

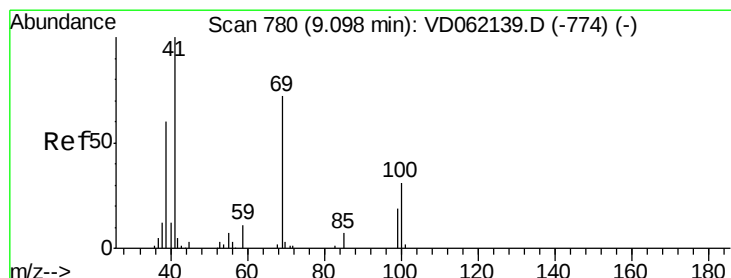
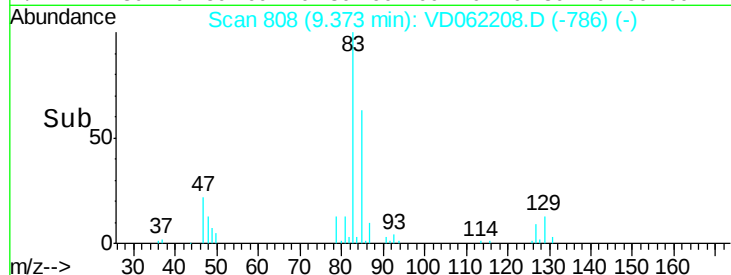
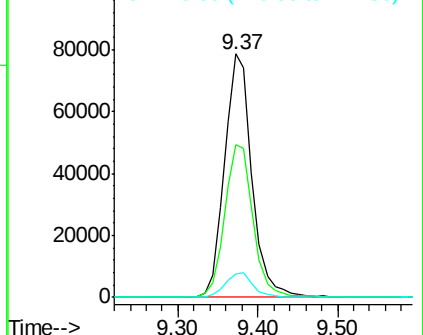
83 100

85 62.6 50.9 76.3

127 9.5 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): VDC



#48

Methyl methacrylate

Concen: 17.723 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

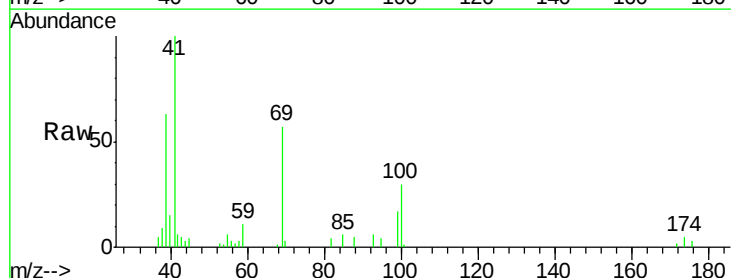
Tgt Ion: 41 Resp: 60767

Ion Ratio Lower Upper

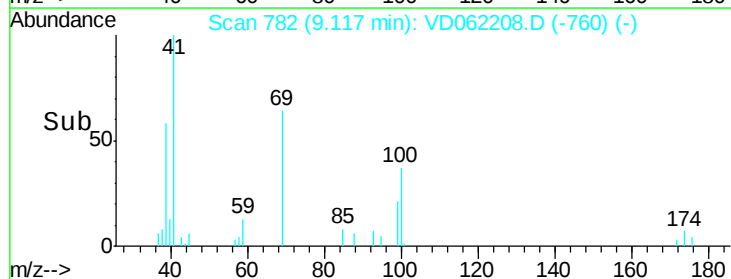
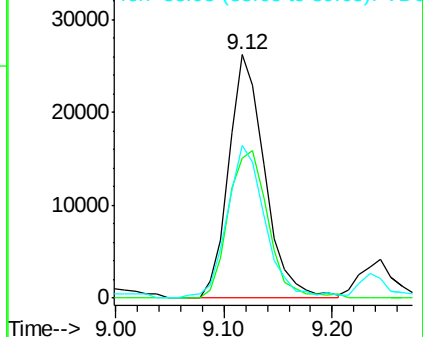
41 100

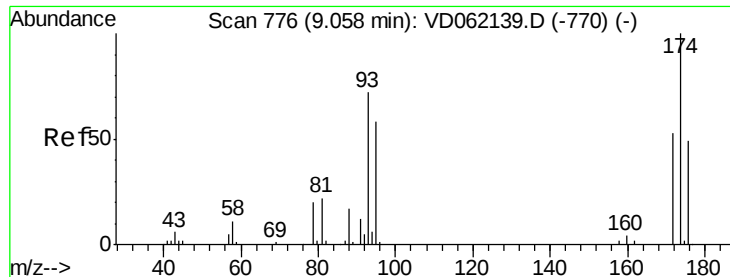
69 57.3 64.2 96.2#

39 63.0 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

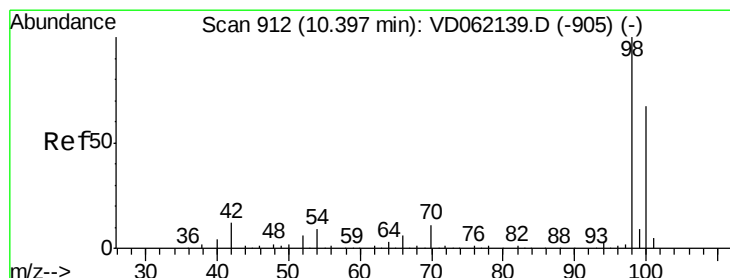
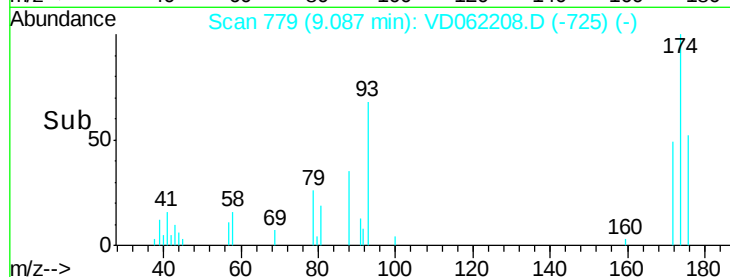
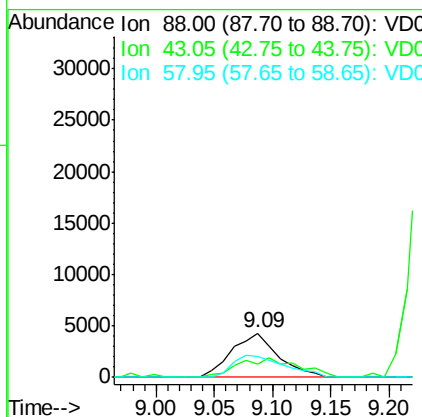
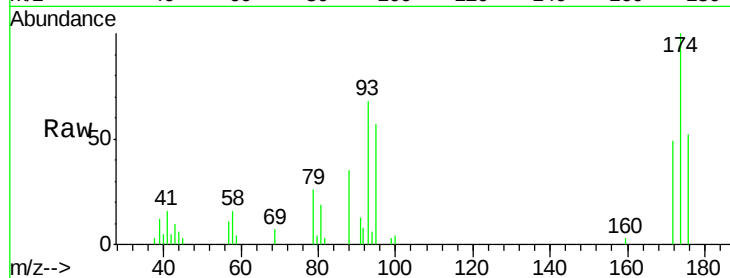




#49
1,4-Dioxane
Concen: 318.643 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.03 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

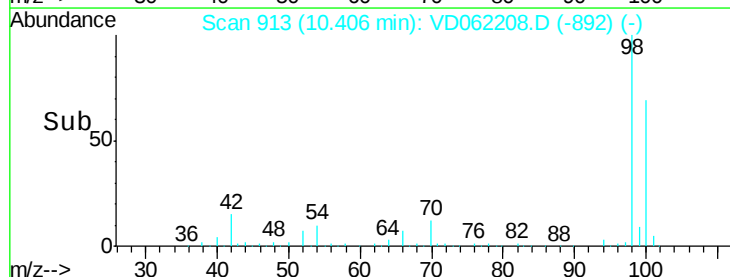
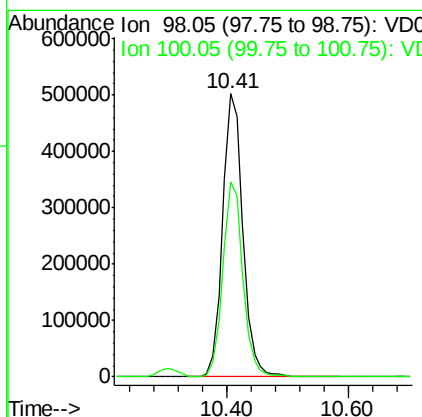
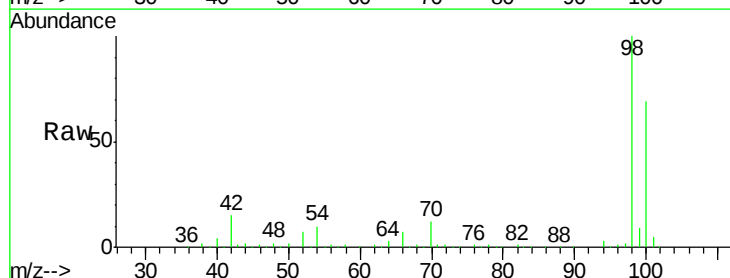
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

Tot Ion: 88 Resp: 11788
Ion Ratio Lower Upper
88 100
43 28.8 23.4 35.0
58 46.2 44.0 66.0



#50
Toluene-d8
Concen: 51.476 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Tgt Ion: 98 Resp: 1162419
Ion Ratio Lower Upper
98 100
100 69.0 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 87.535 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

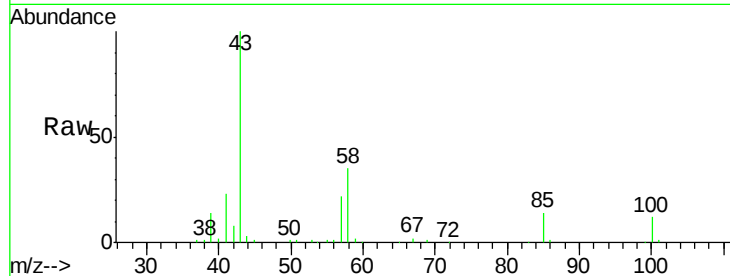
VD0510SBS01

Tot Ion: 43 Resp: 313217

Ion Ratio Lower Upper

43 100

58 35.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

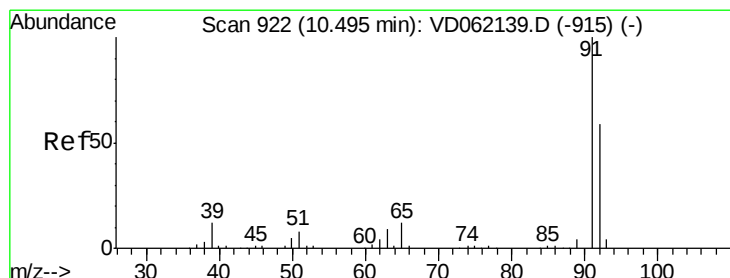
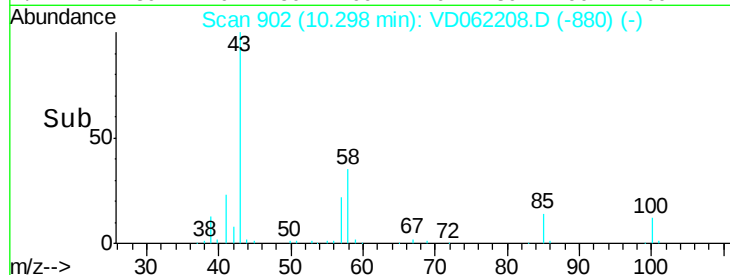
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.086 ug/l

RT: 10.50 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD062208.D

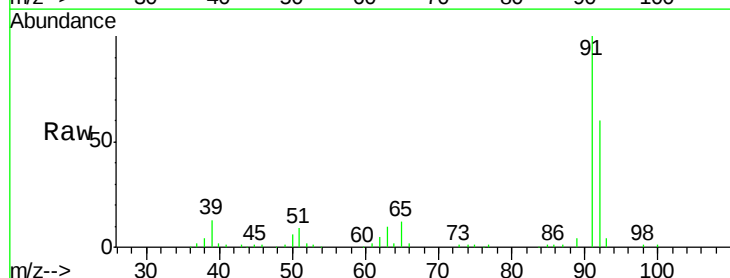
Acq: 10 May 2019 11:49

Tgt Ion: 92 Resp: 245928

Ion Ratio Lower Upper

92 100

91 166.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

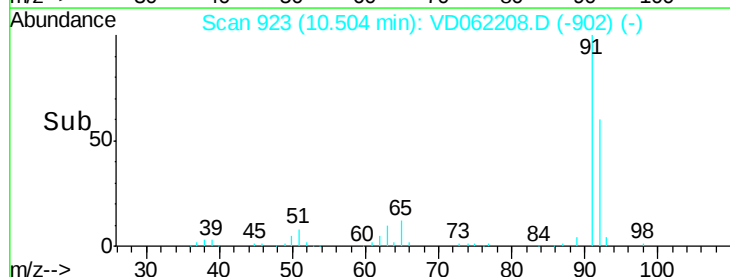
150000

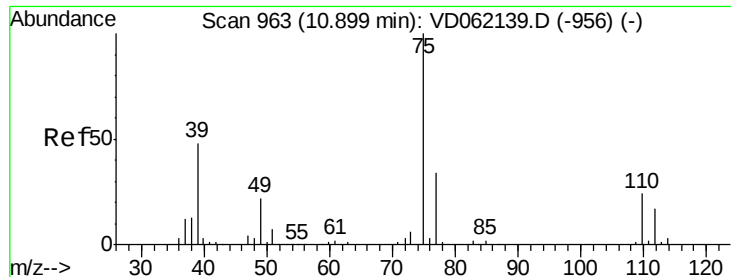
100000

50000

0

Time-->

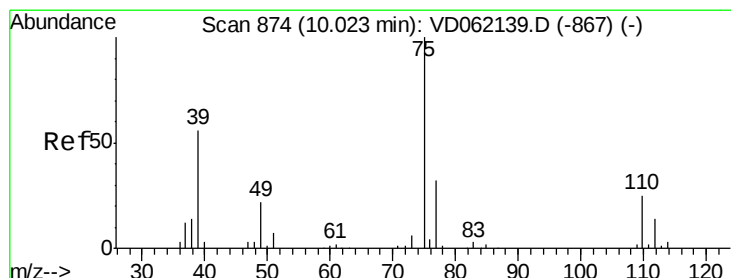
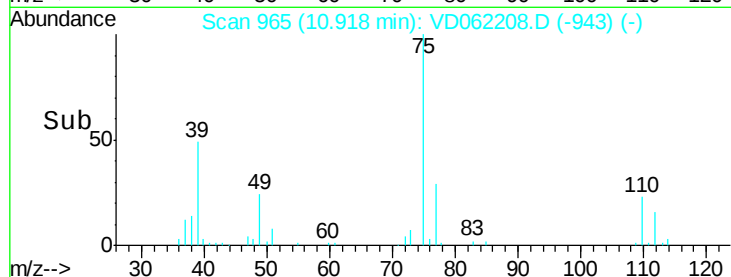
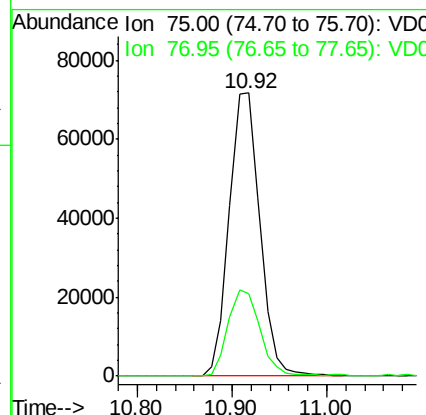
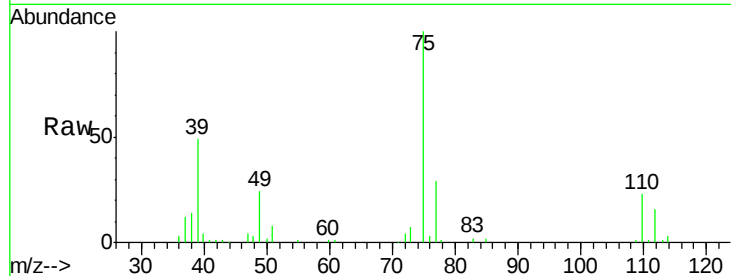




#53
 t-1,3-Dichloropropene
 Concen: 18.195 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

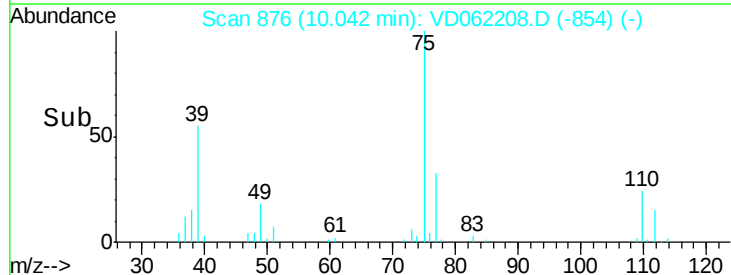
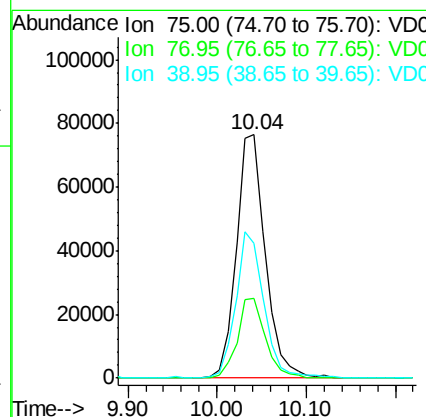
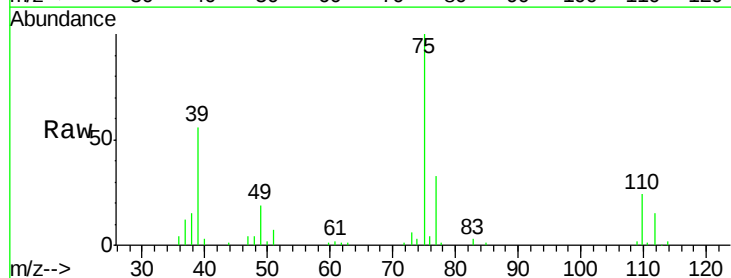
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS01

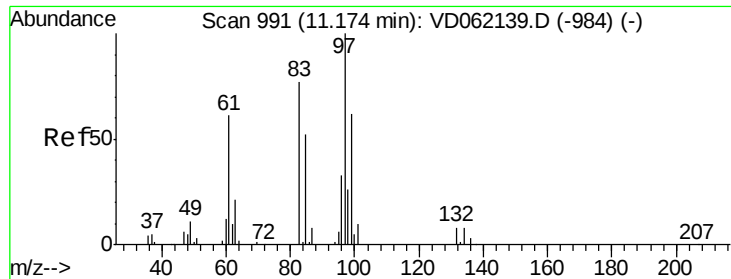
Tot Ion: 75 Resp: 161701
 Ion Ratio Lower Upper
 75 100
 77 28.9 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 17.947 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Tgt Ion: 75 Resp: 173998
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.5 38.3
 39 55.5 39.4 59.2

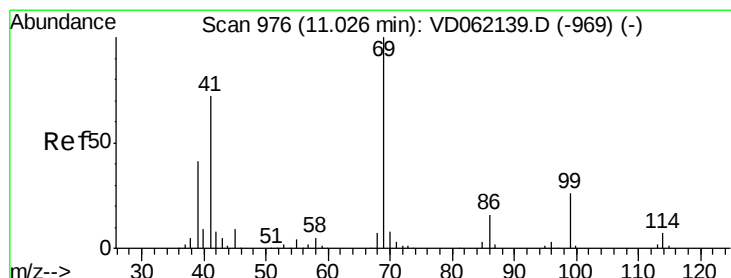
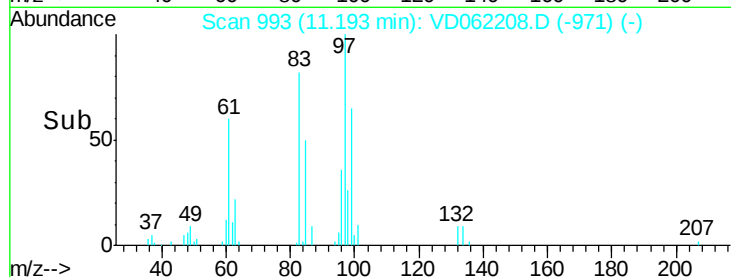
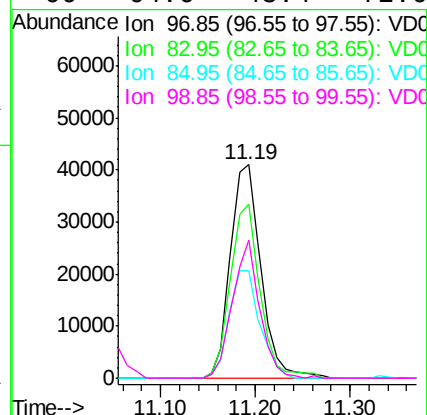
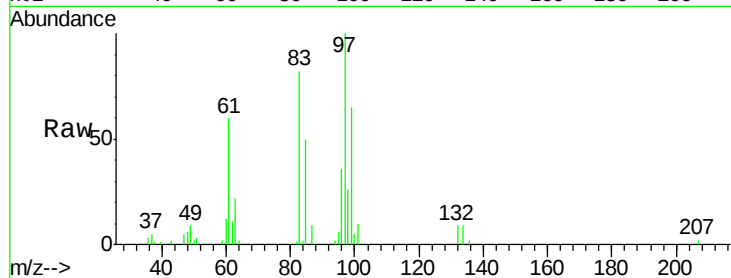




#55
 1,1,2-Trichloroethane
 Concen: 19.146 ug/l
 RT: 11.19 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

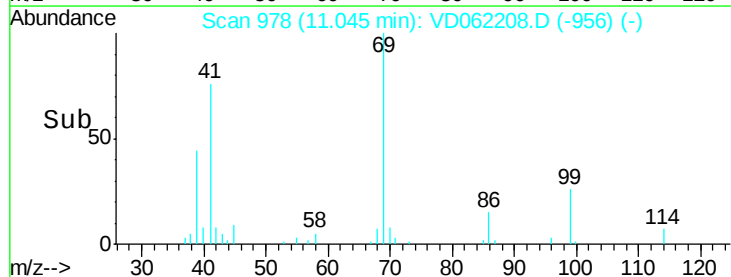
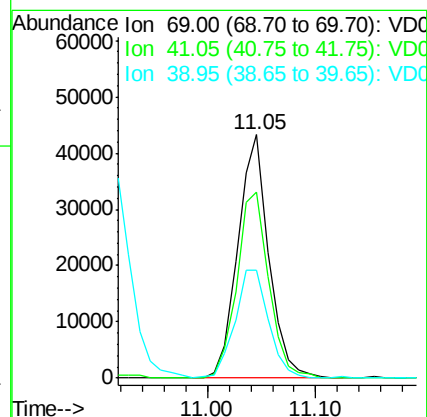
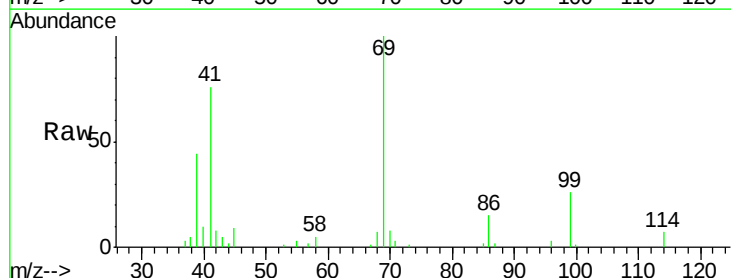
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS01

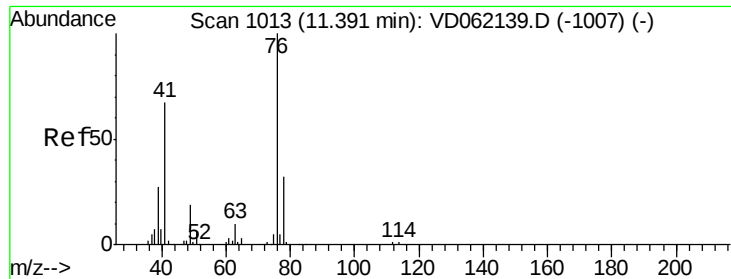
Tot Ion:	97	Resp:	92115
Ion	Ratio	Lower	Upper
97	100		
83	81.6	65.7	98.5
85	50.2	45.6	68.4
99	64.6	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 17.182 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Tgt Ion:	69	Resp:	85903
Ion	Ratio	Lower	Upper
69	100		
41	76.2	56.3	84.5
39	44.3	29.4	44.2#





#57

1,3-Dichloropropane

Concen: 16.825 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

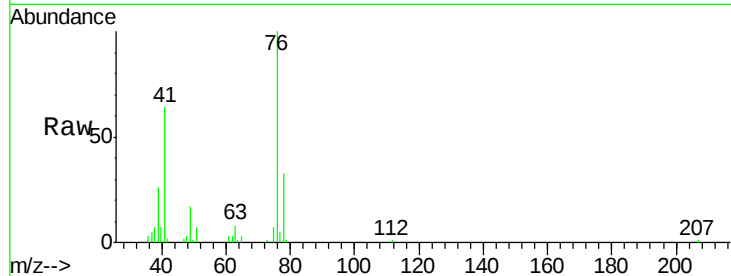
VD0510SBS01

Tot Ion: 76 Resp: 122294

Ion Ratio Lower Upper

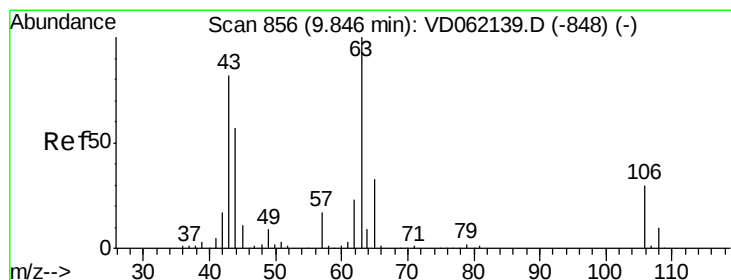
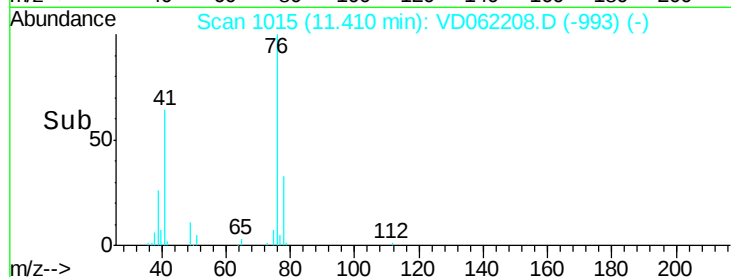
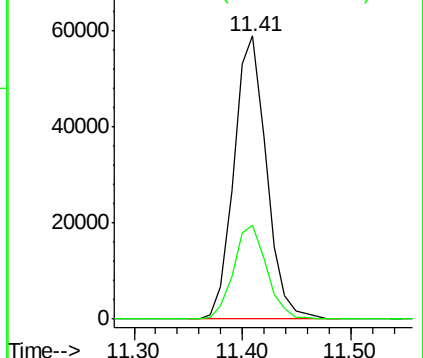
76 100

78 33.4 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 93.507 ug/l

RT: 9.85 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD062208.D

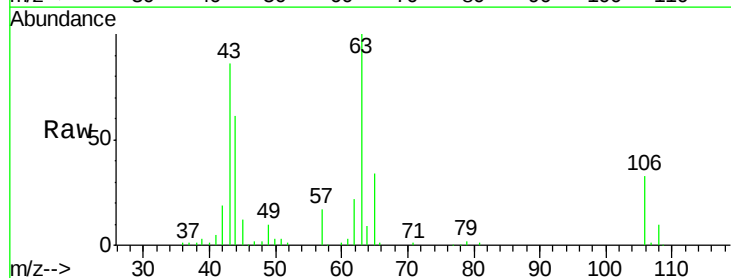
Acq: 10 May 2019 11:49

Tgt Ion: 63 Resp: 255363

Ion Ratio Lower Upper

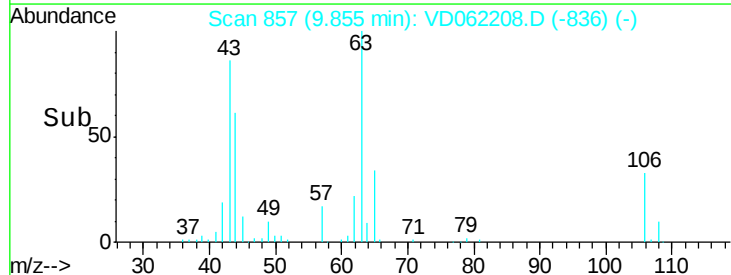
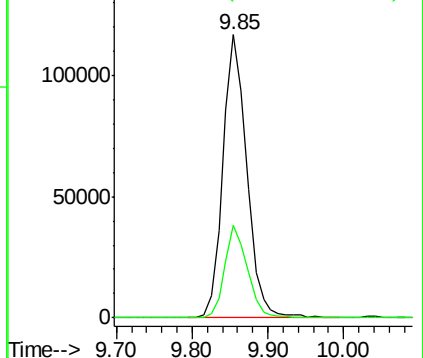
63 100

106 32.8 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

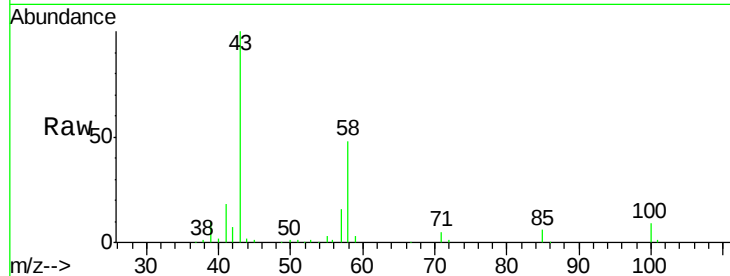




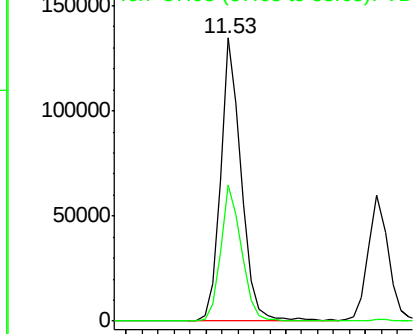
#59
2-Hexanone
Concen: 93.429 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

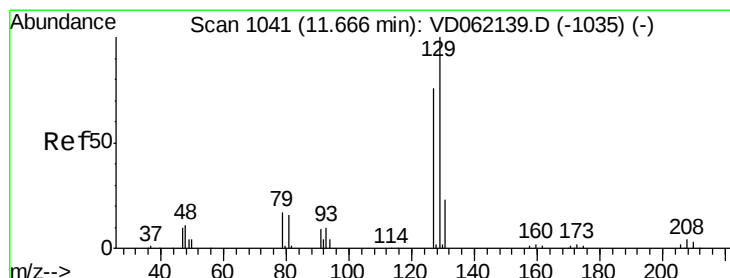
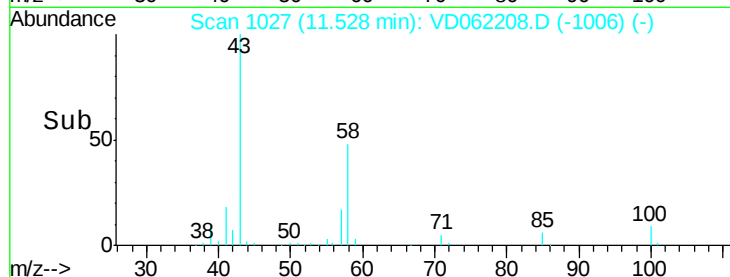
Tot Ion: 43 Resp: 246396
Ion Ratio Lower Upper
43 100
58 48.3 25.4 76.4



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

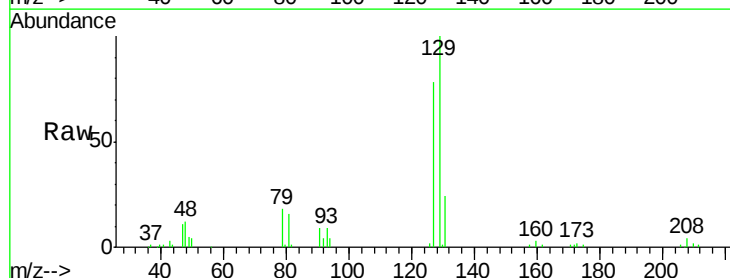


Time-->

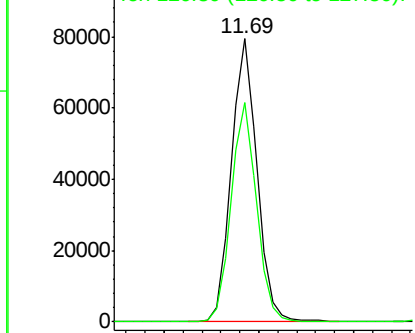


#60
Dibromochloromethane
Concen: 17.890 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

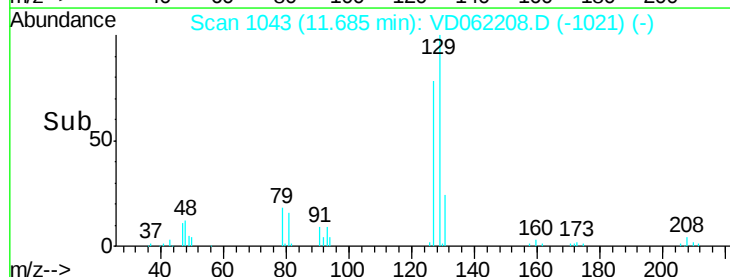
Tgt Ion: 129 Resp: 148750
Ion Ratio Lower Upper
129 100
127 77.7 38.0 113.9

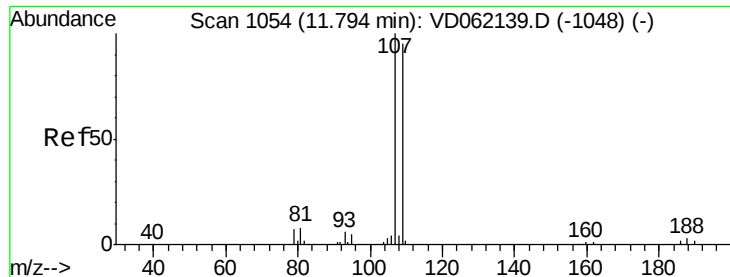


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



Time-->

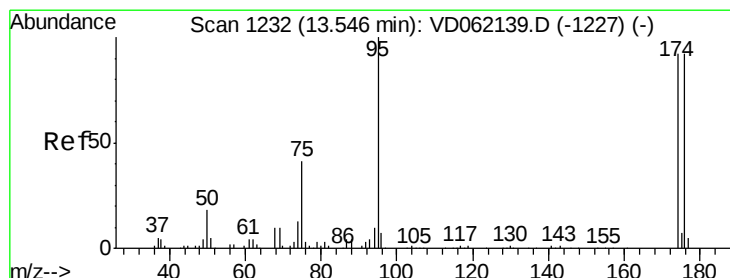
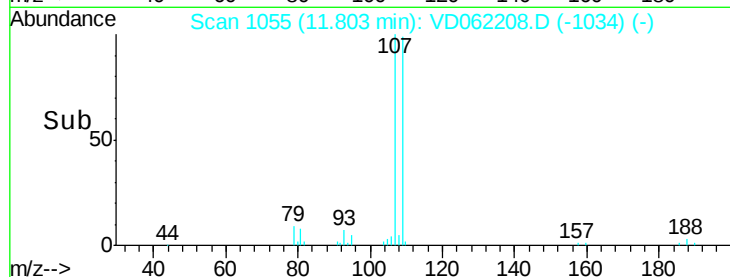
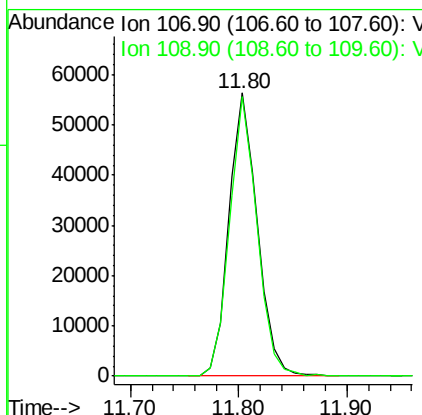
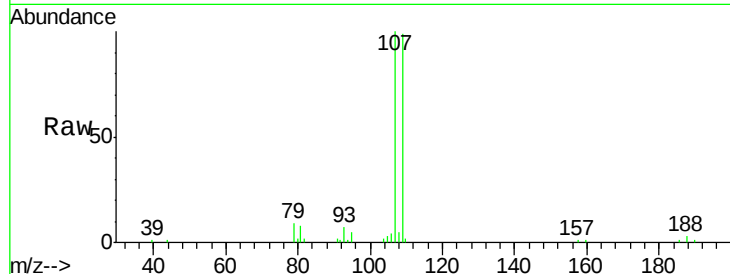




#61
 1,2-Dibromoethane
 Concen: 17.598 ug/l
 RT: 11.80 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

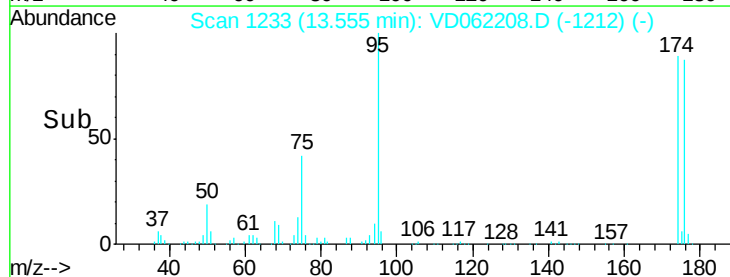
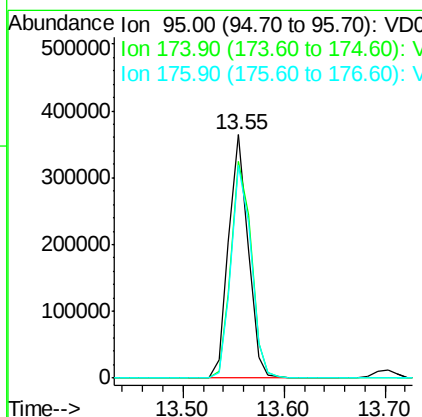
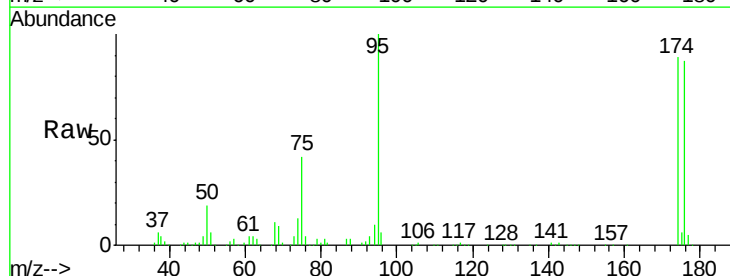
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS01

Tot Ion:107 Resp: 102935
 Ion Ratio Lower Upper
 107 100
 109 98.7 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 53.838 ug/l
 RT: 13.55 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Tgt Ion: 95 Resp: 488202
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 181.8
 176 87.5 0.0 174.4

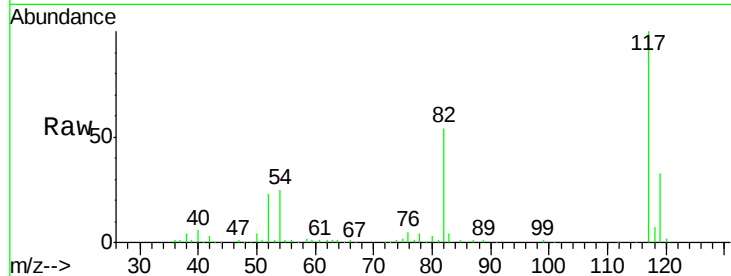




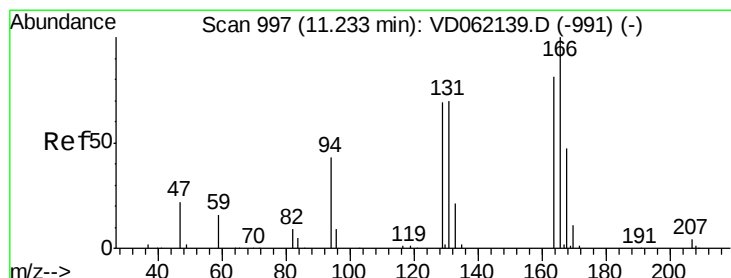
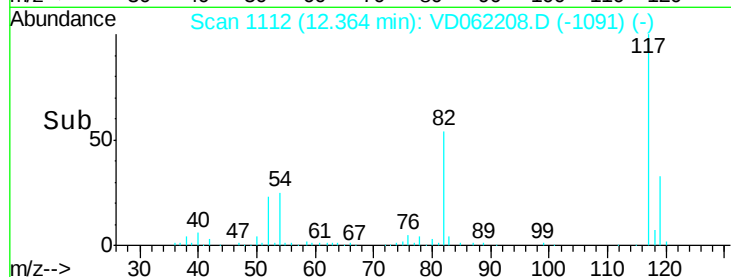
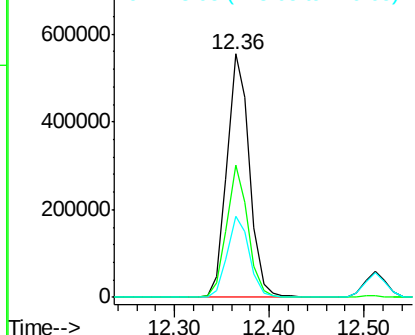
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

Tot Ion:117 Resp: 910308
Ion Ratio Lower Upper
117 100
82 54.2 36.2 54.2
119 33.4 26.2 39.4

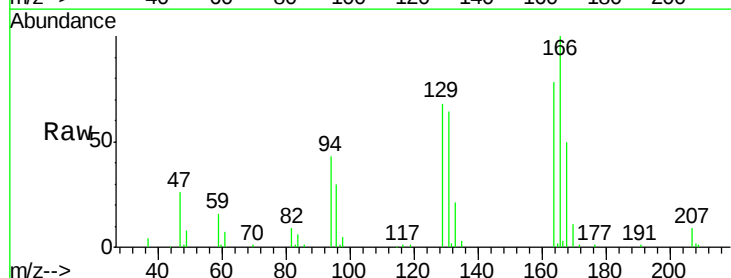


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

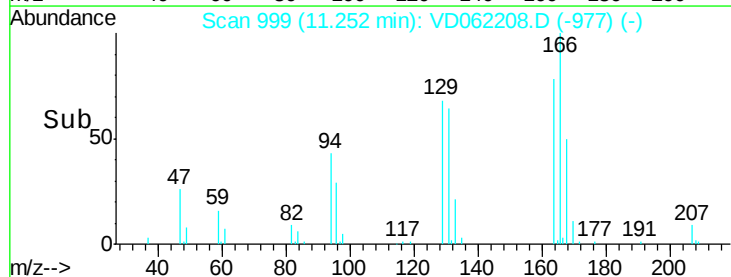
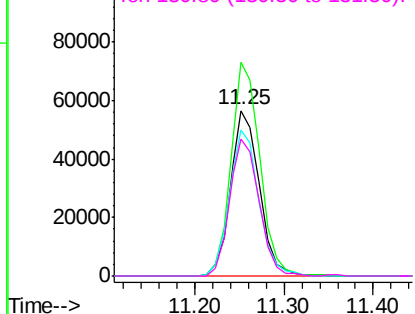


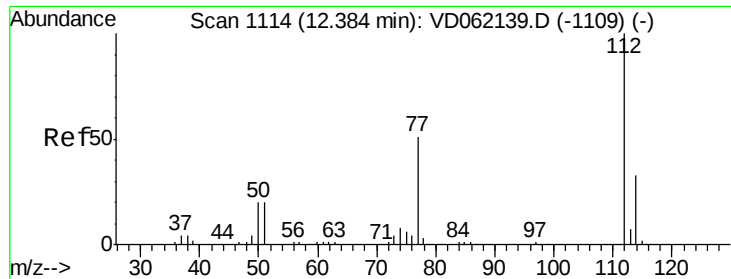
#64
Tetrachloroethene
Concen: 17.969 ug/l
RT: 11.25 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Tgt Ion:164 Resp: 127907
Ion Ratio Lower Upper
164 100
166 128.9 101.5 152.3
129 87.9 74.6 112.0
131 82.9 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: 19.058 ug/l

RT: 12.39 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

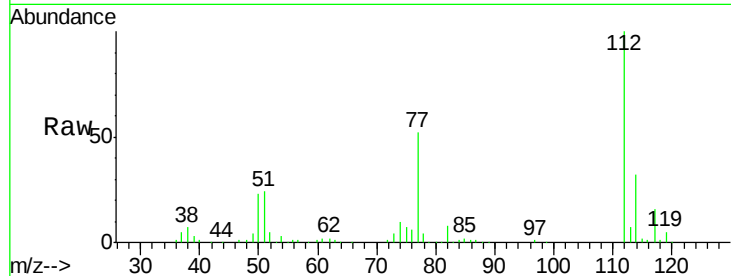
VD0510SBS01

Tot Ion:112 Resp: 323132

Ion Ratio Lower Upper

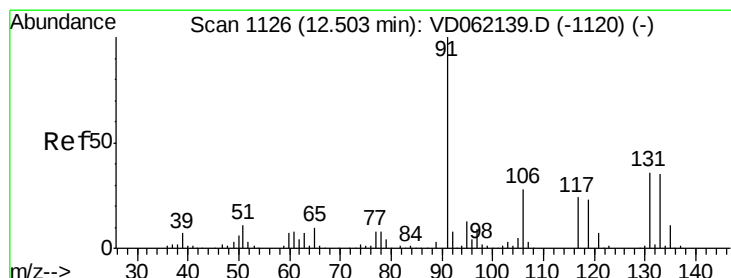
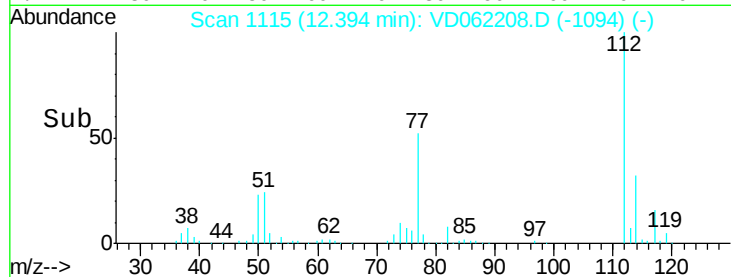
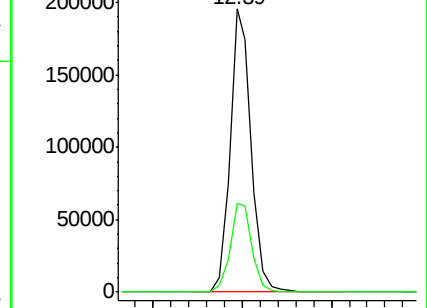
112 100

114 31.6 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.781 ug/l

RT: 12.51 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

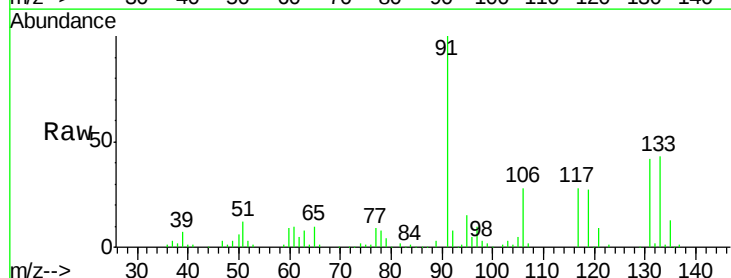
Tgt Ion:131 Resp: 145960

Ion Ratio Lower Upper

131 100

133 100.2 48.6 145.8

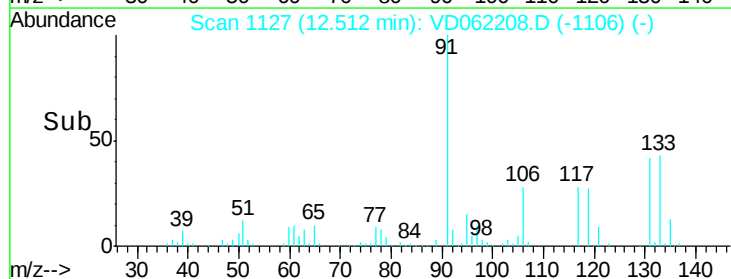
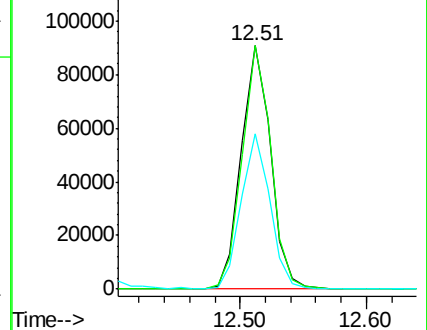
119 63.7 34.7 104.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

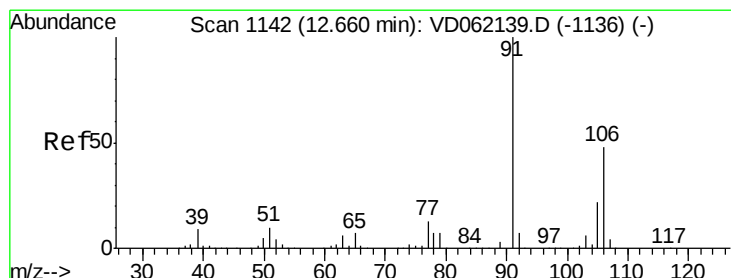
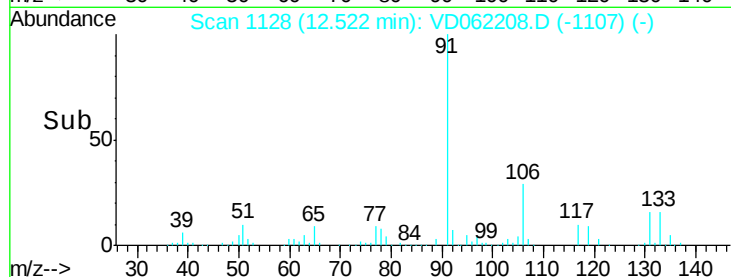
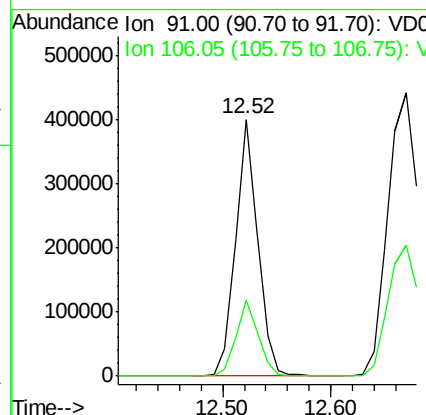
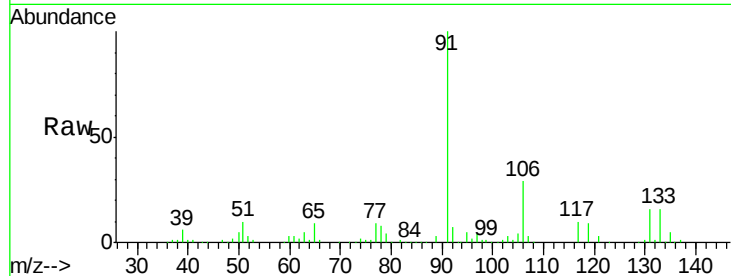




#67
Ethyl Benzene
Concen: 20.212 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

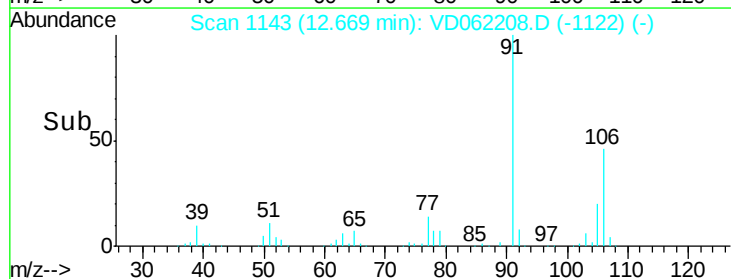
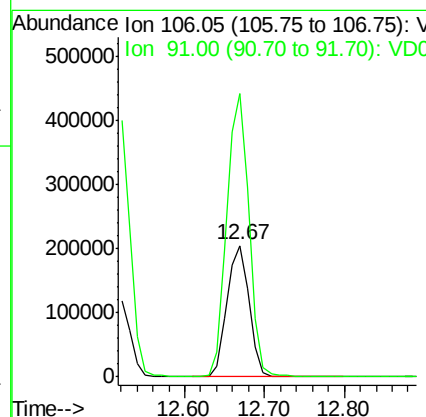
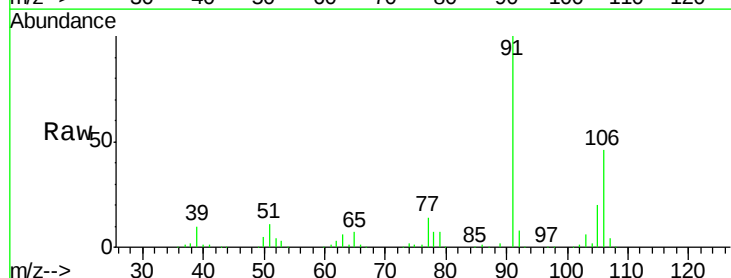
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

Tot Ion: 91 Resp: 573722
Ion Ratio Lower Upper
91 100
106 29.5 24.7 37.1



#68
m/p-Xylenes
Concen: 39.159 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Tgt Ion: 106 Resp: 404397
Ion Ratio Lower Upper
106 100
91 215.8 164.0 246.0

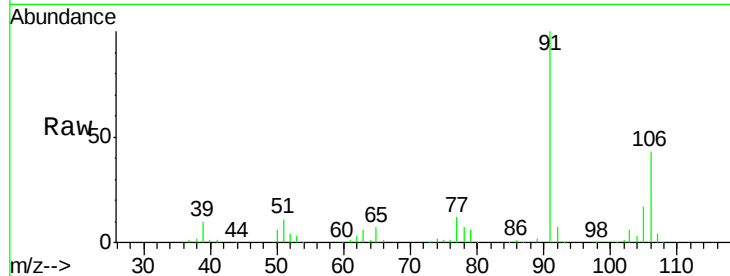




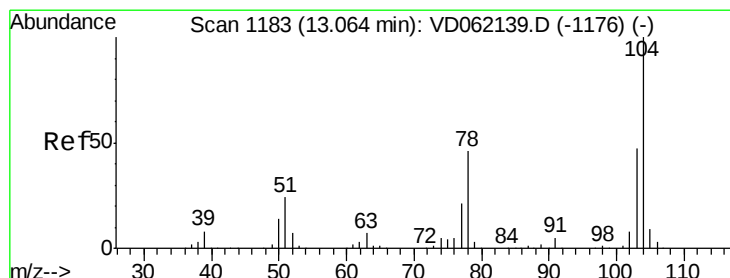
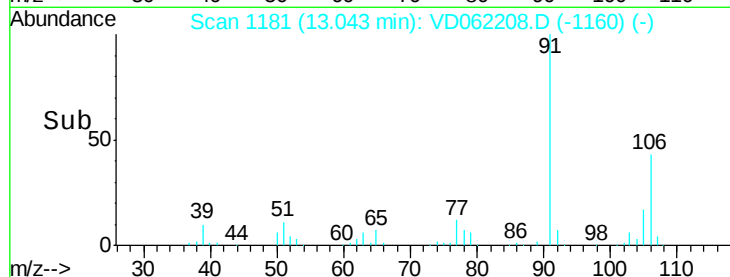
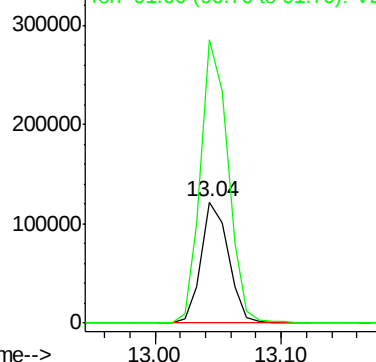
#69
o-Xylene
Concen: 19.025 ug/l
RT: 13.04 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

Tot Ion:106 Resp: 182662
Ion Ratio Lower Upper
106 100
91 234.0 106.7 319.9

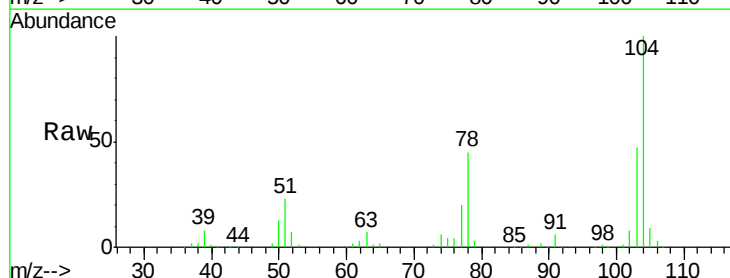


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

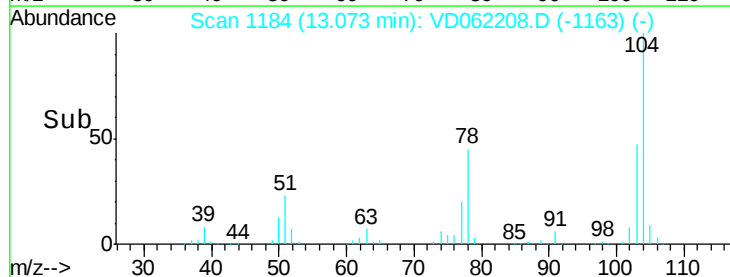
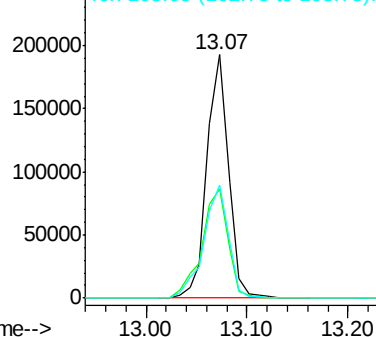


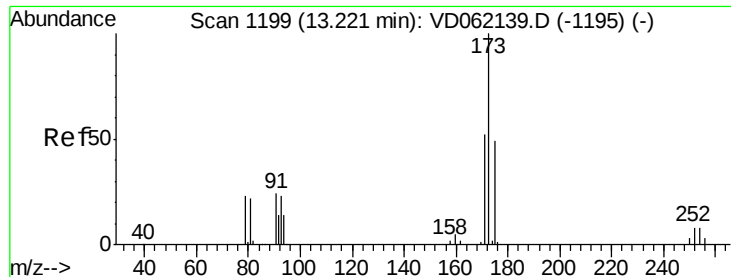
#70
Styrene
Concen: 17.498 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Tgt Ion:104 Resp: 284595
Ion Ratio Lower Upper
104 100
78 44.7 35.4 53.2
103 46.6 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

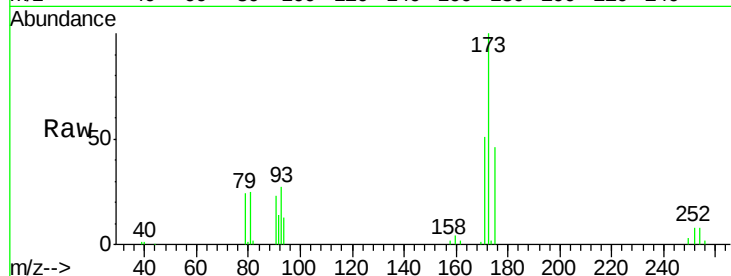




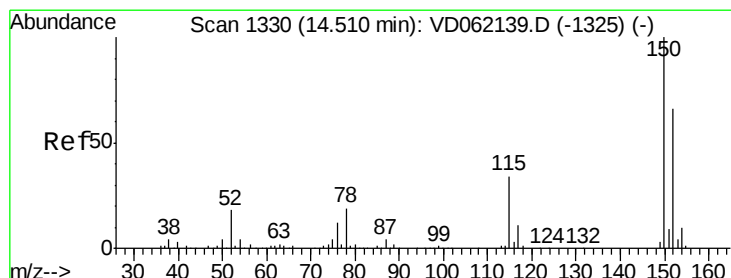
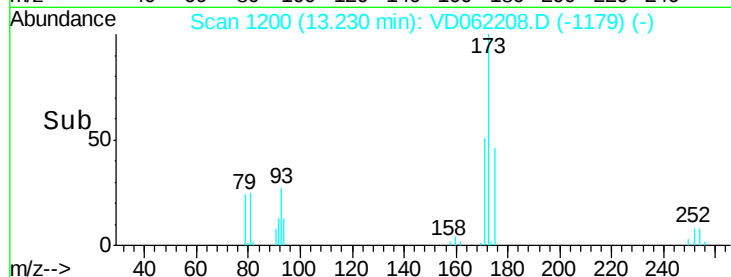
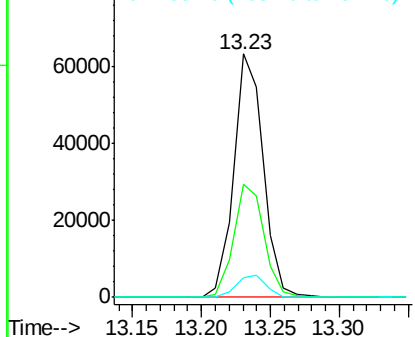
#71
Bromoform
Concen: 18.332 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

Tot Ion:173 Resp: 94113
Ion Ratio Lower Upper
173 100
175 46.4 24.4 73.4
254 8.2 5.4 8.2#

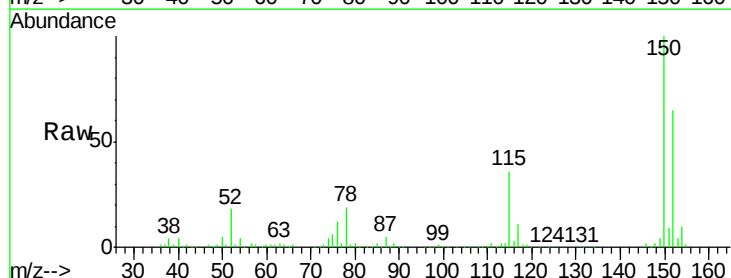


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

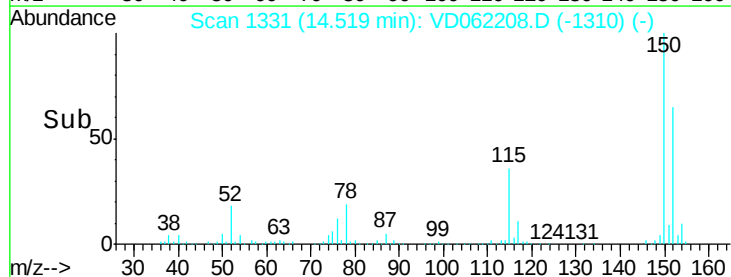
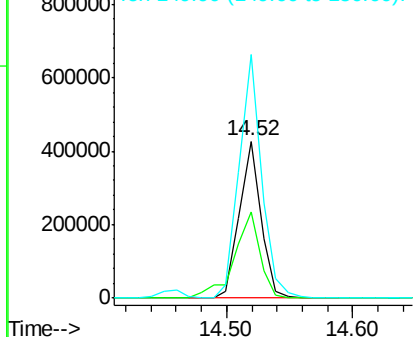


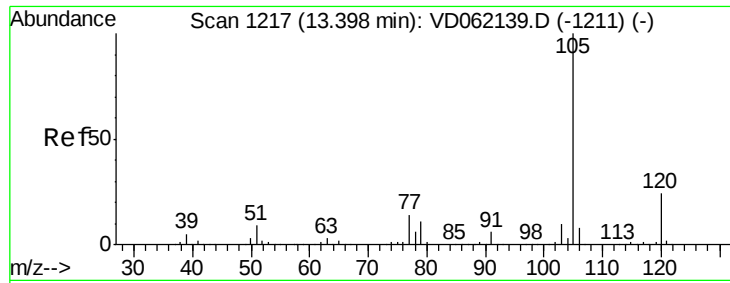
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Tgt Ion:152 Resp: 503926
Ion Ratio Lower Upper
152 100
115 55.2 30.9 92.7
150 155.0 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: 18.183 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

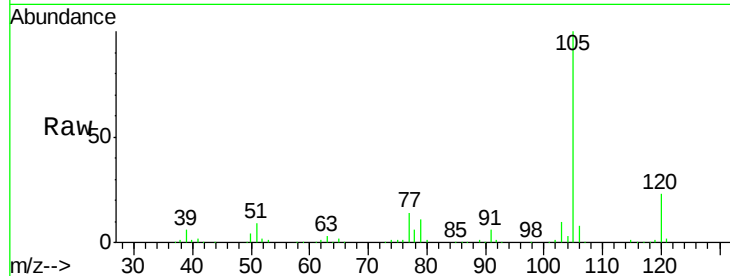
VD0510SBS01

Tot Ion:105 Resp: 549246

Ion Ratio Lower Upper

105 100

120 23.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

400000

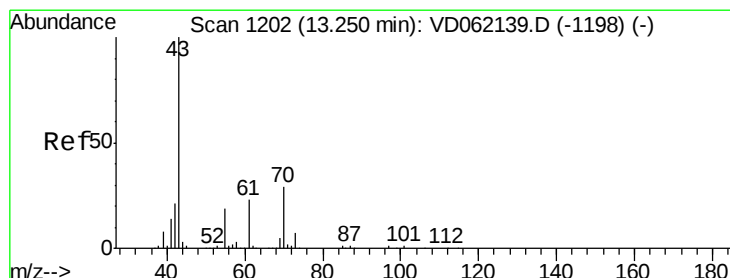
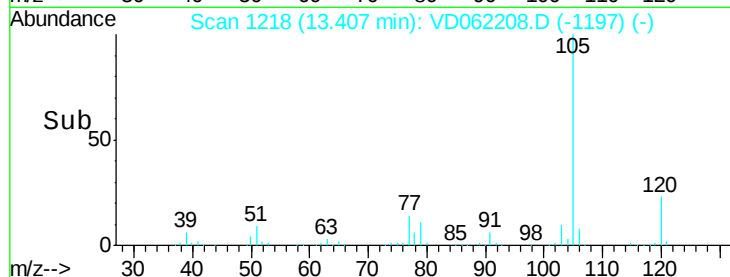
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 16.662 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Tgt Ion: 43 Resp: 131957

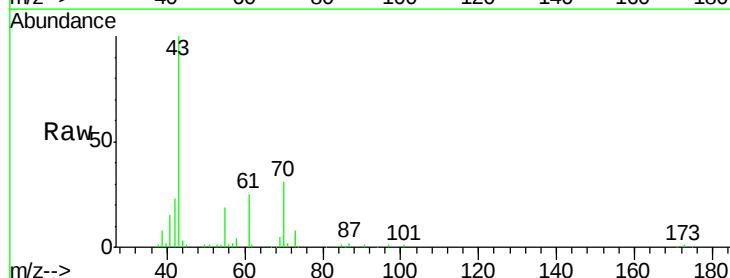
Ion Ratio Lower Upper

43 100

70 31.4 24.2 36.4

55 18.6 16.0 24.0

61 24.7 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

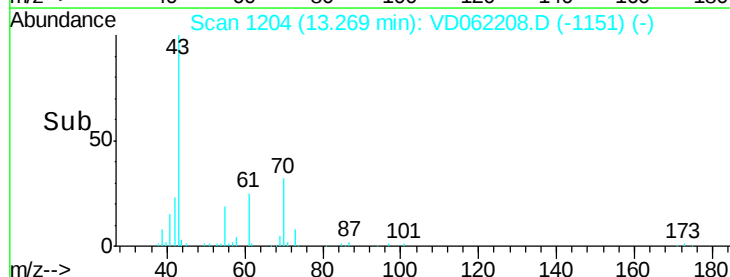
Ion 60.95 (60.65 to 61.65): V

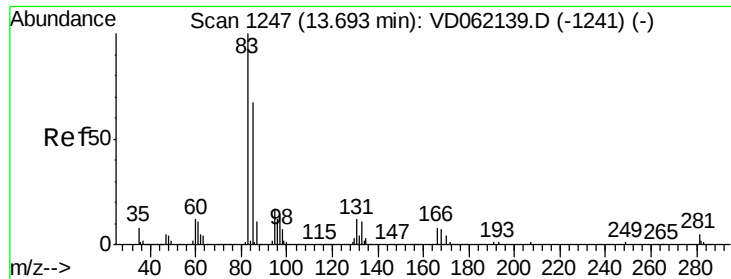
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 16.102 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS01

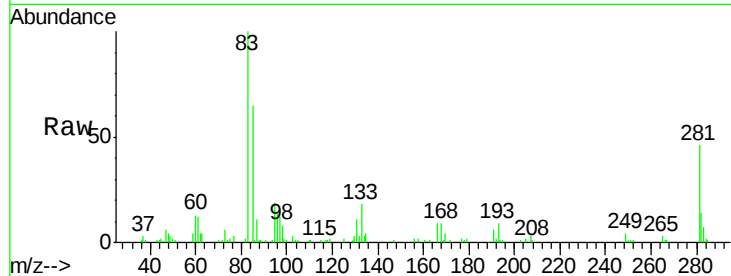
Tot Ion: 83 Resp: 92080

Ion Ratio Lower Upper

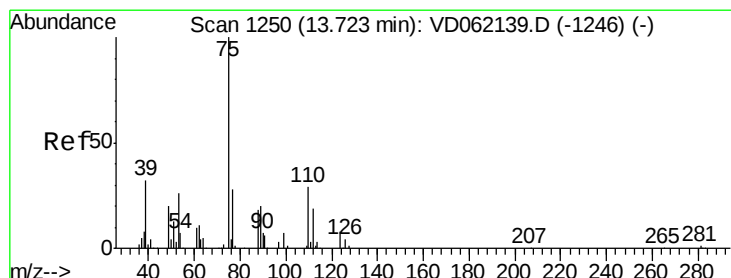
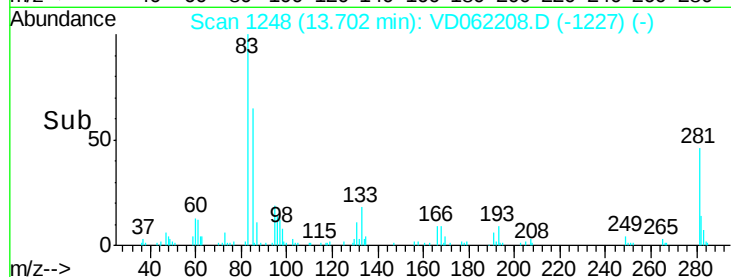
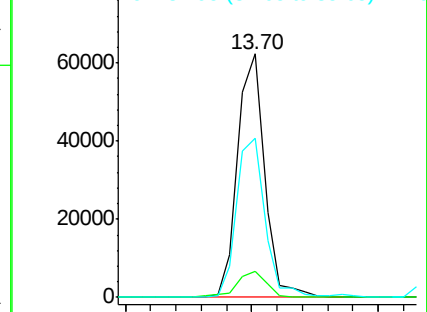
83 100

131 10.8 5.0 14.9

85 65.2 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: 17.469 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062208.D

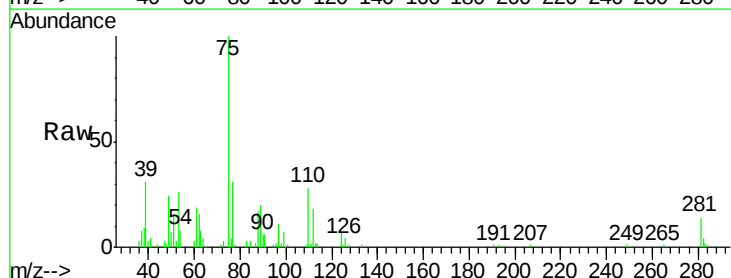
Acq: 10 May 2019 11:49

Tgt Ion: 75 Resp: 104619

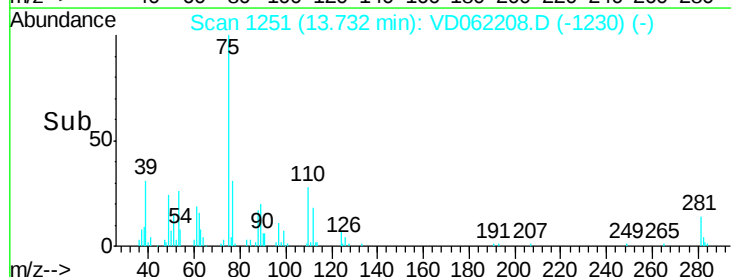
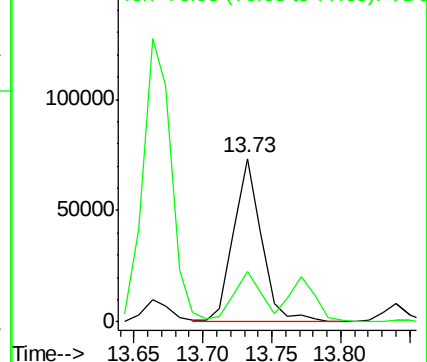
Ion Ratio Lower Upper

75 100

77 30.6 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: 18.742 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS01

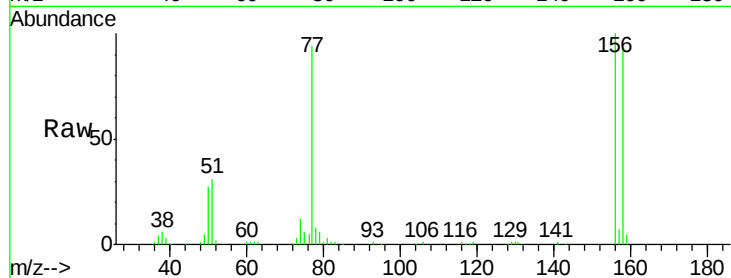
Tot Ion:156 Resp: 158482

Ion Ratio Lower Upper

156 100

77 93.7 53.1 159.4

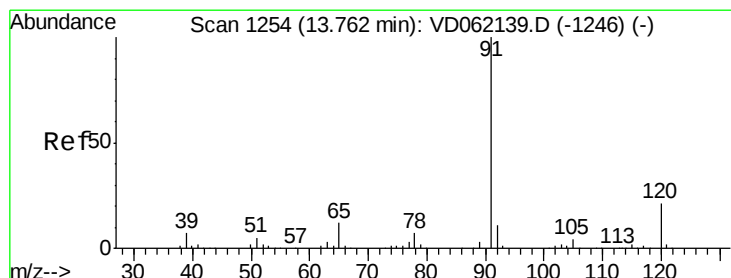
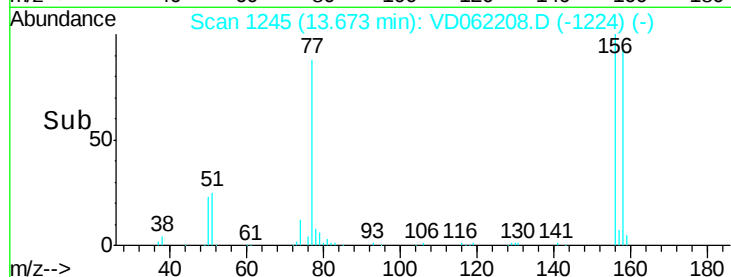
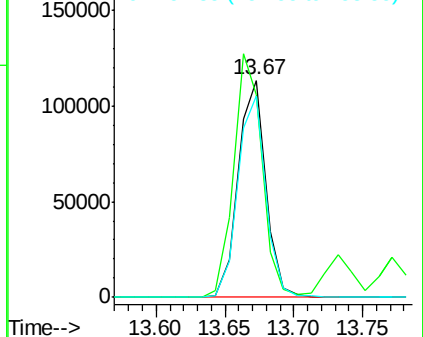
158 92.5 49.4 148.0



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: 18.931 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062208.D

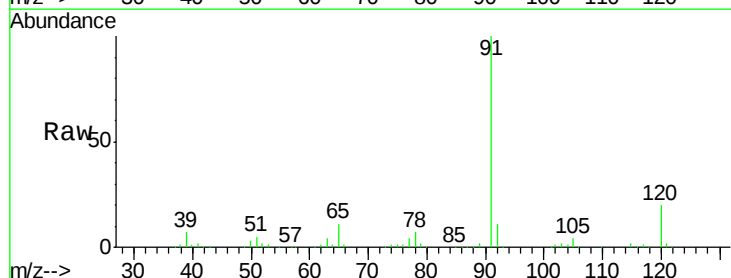
Acq: 10 May 2019 11:49

Tgt Ion: 91 Resp: 682138

Ion Ratio Lower Upper

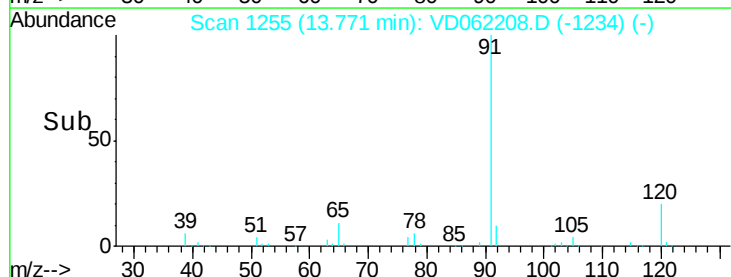
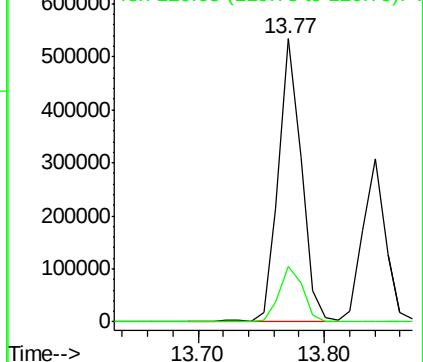
91 100

120 19.6 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: 18.490 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

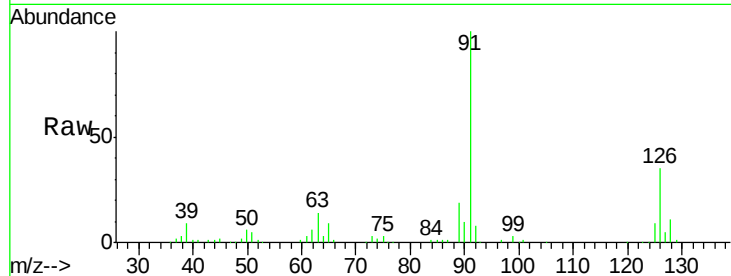
VD0510SBS01

Tot Ion: 91 Resp: 381575

Ion Ratio Lower Upper

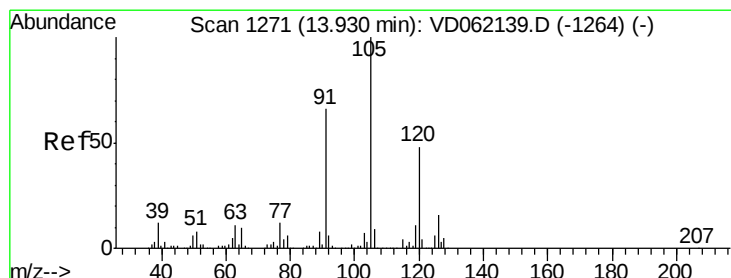
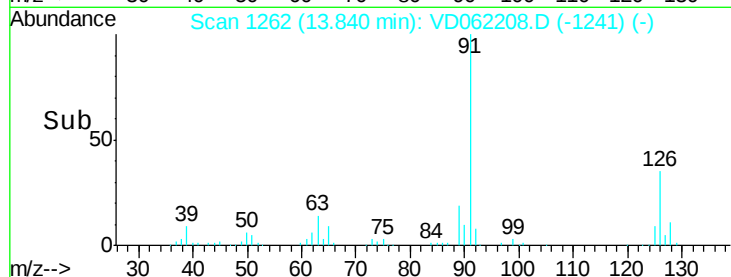
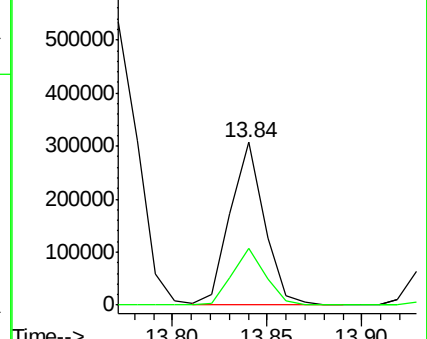
91 100

126 34.6 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 18.613 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062208.D

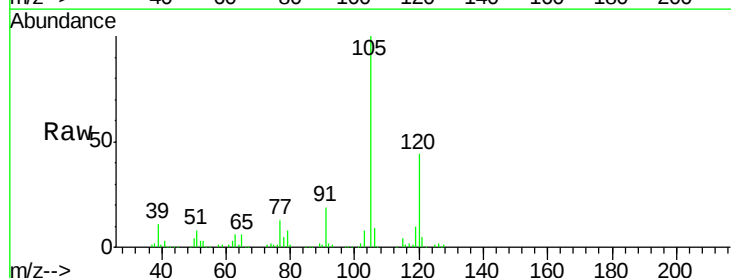
Acq: 10 May 2019 11:49

Tgt Ion:105 Resp: 473452

Ion Ratio Lower Upper

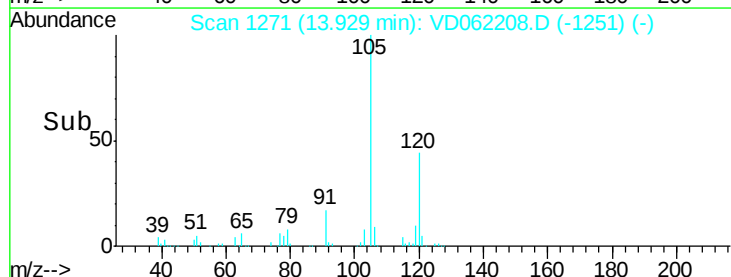
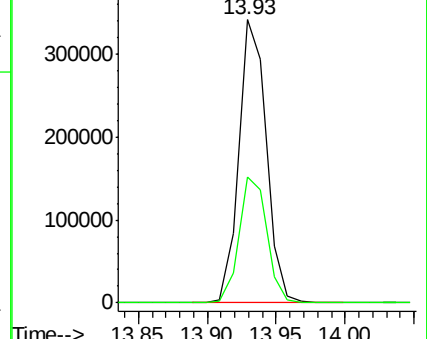
105 100

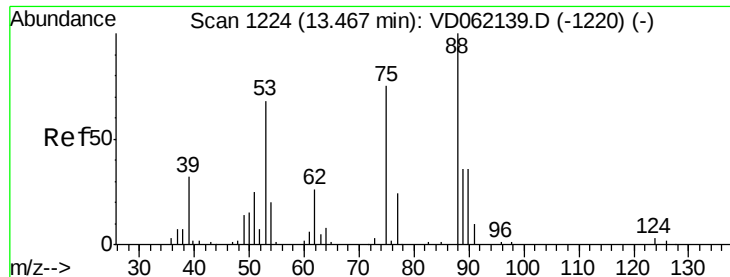
120 44.4 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.685 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062208.D

Acq: 10 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS01

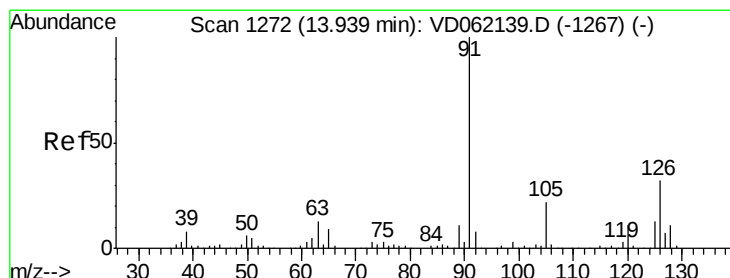
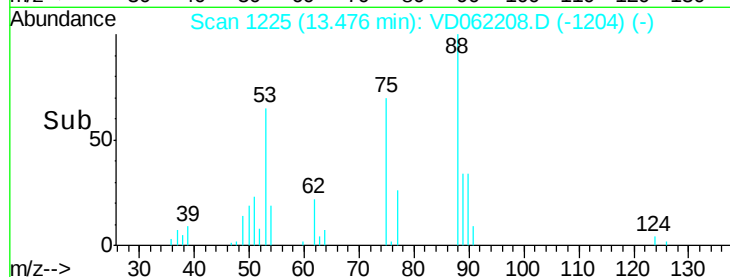
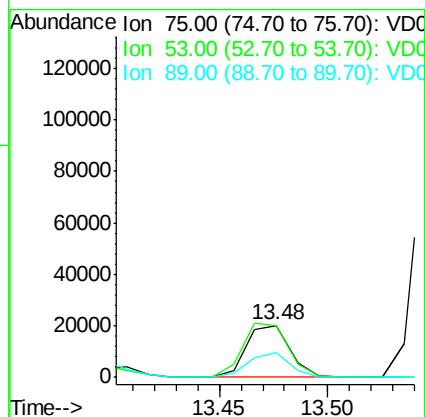
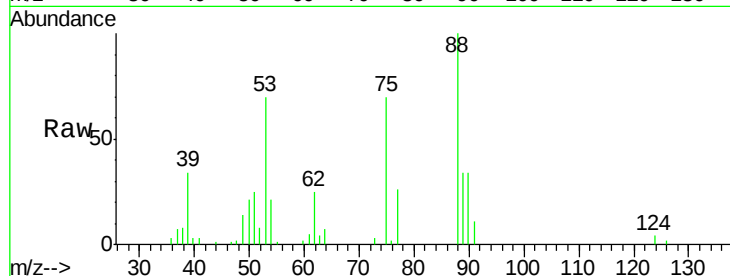
Tot Ion: 75 Resp: 28209

Ion Ratio Lower Upper

75 100

53 99.6 65.8 98.8#

89 48.8 35.0 52.6



#82

4-Chlorotoluene

Concen: 19.118 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062208.D

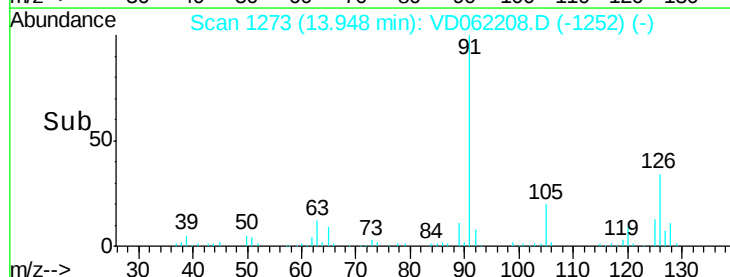
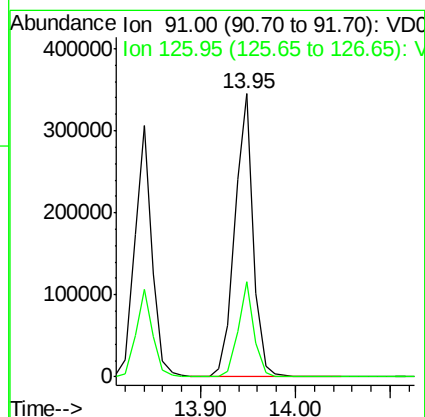
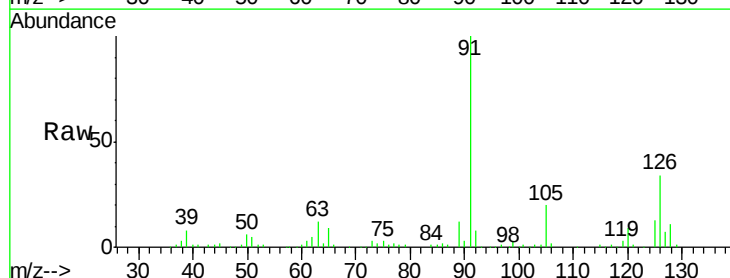
Acq: 10 May 2019 11:49

Tgt Ion: 91 Resp: 464270

Ion Ratio Lower Upper

91 100

126 33.7 19.1 57.5

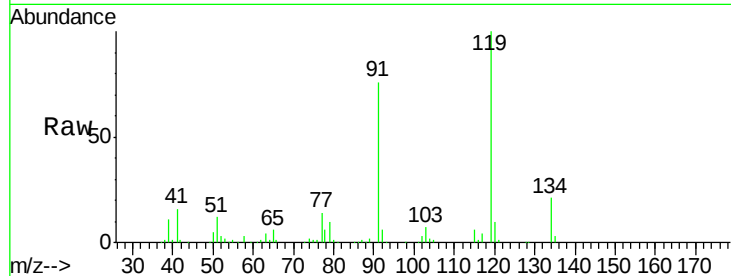




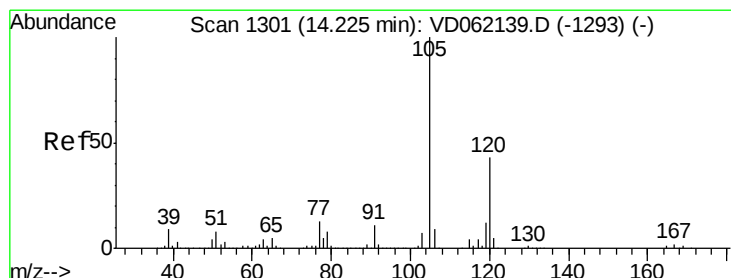
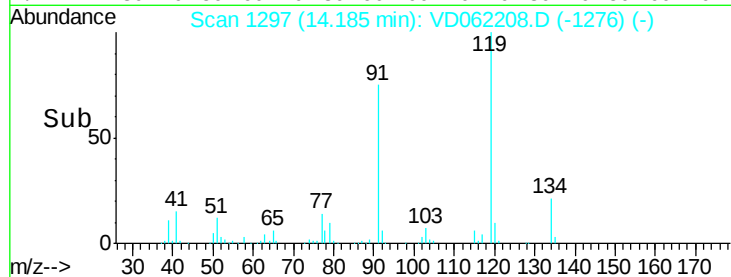
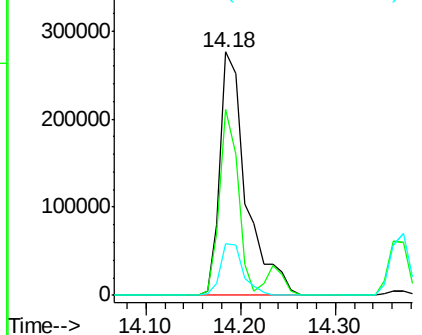
#83
 tert-Butylbenzene
 Concen: 18.661 ug/l
 RT: 14.18 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS01

Tot Ion:119 Resp: 533536
 Ion Ratio Lower Upper
 119 100
 91 76.4 34.2 102.6
 134 21.2 12.0 36.0

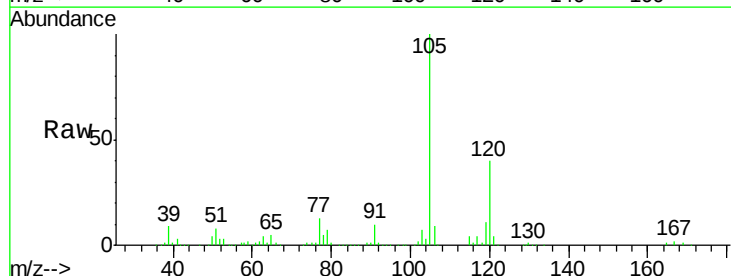


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

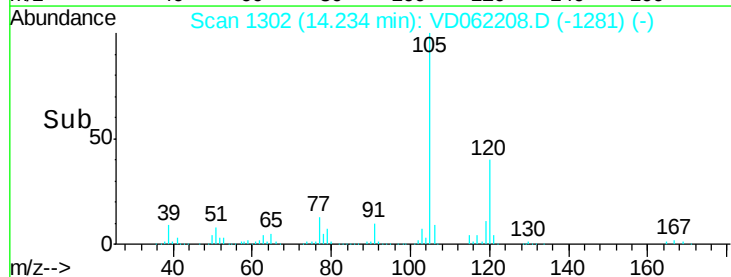
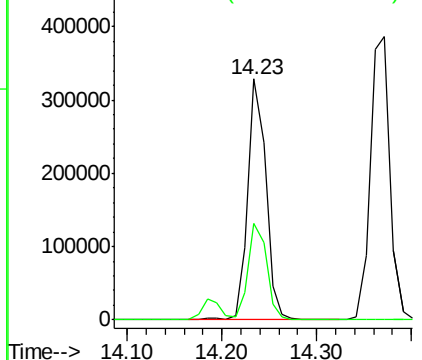


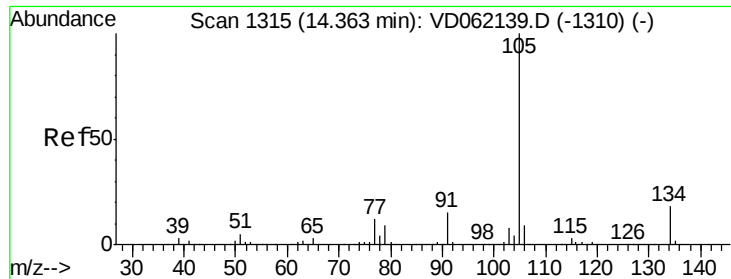
#84
 1,2,4-Trimethylbenzene
 Concen: 17.090 ug/l
 RT: 14.23 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Tgt Ion:105 Resp: 436244
 Ion Ratio Lower Upper
 105 100
 120 40.3 23.1 69.2



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

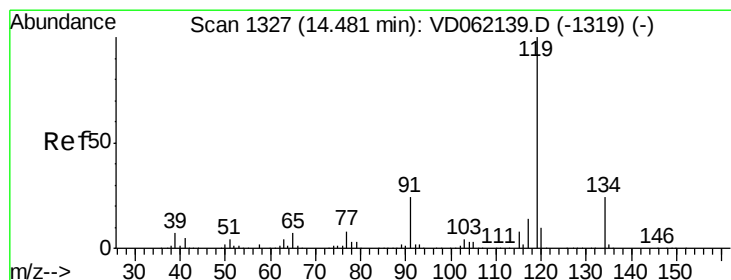
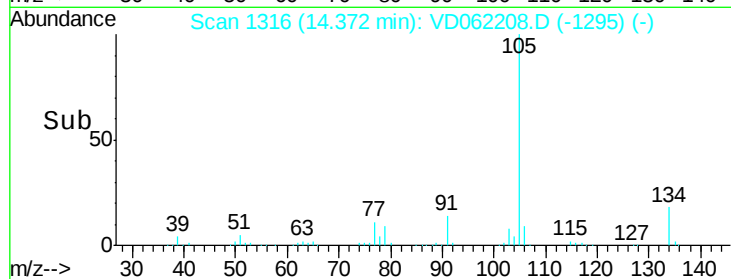
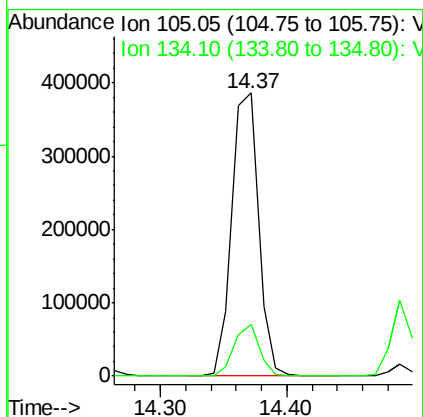
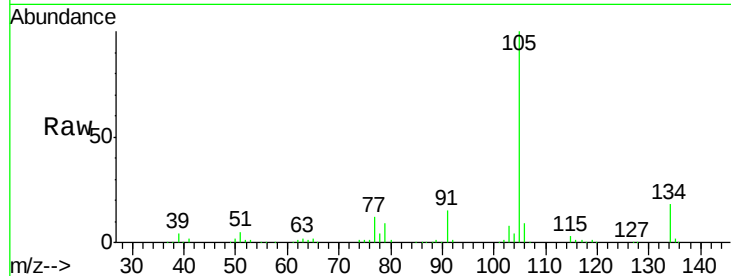




#85
 sec-Butylbenzene
 Concen: 18.054 ug/l
 RT: 14.37 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

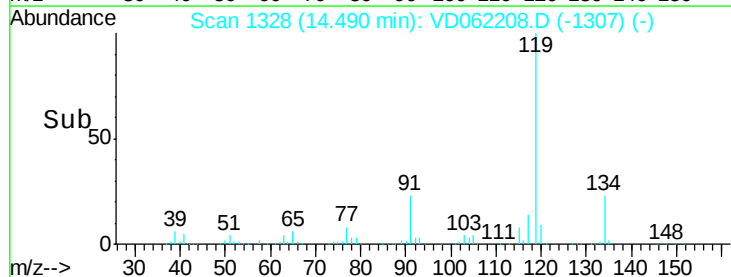
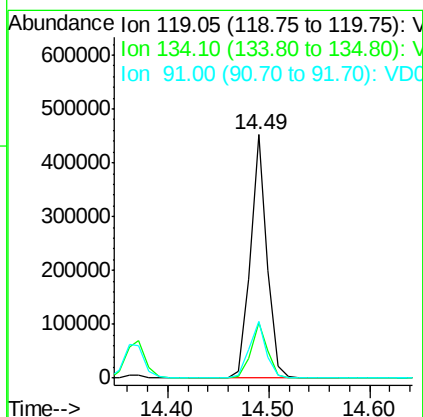
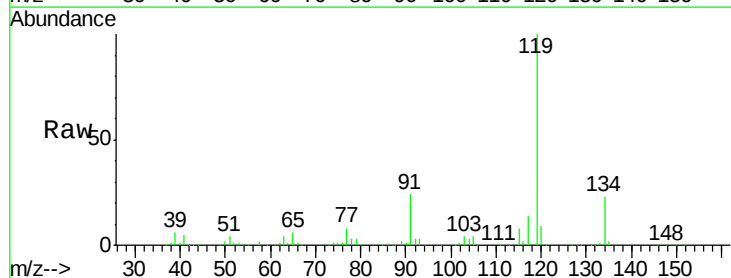
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0510SBS01

Tot Ion:105 Resp: 565942
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 18.615 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Tgt Ion:119 Resp: 521343
 Ion Ratio Lower Upper
 119 100
 134 23.0 12.8 38.3
 91 23.5 10.7 32.1

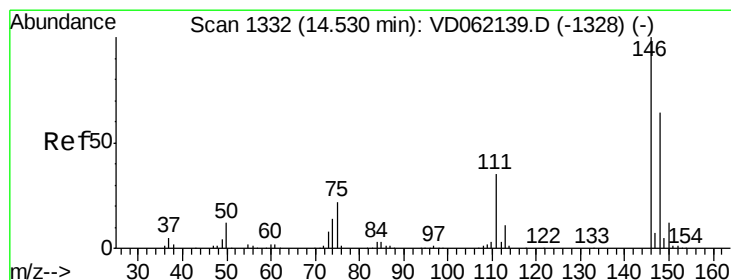
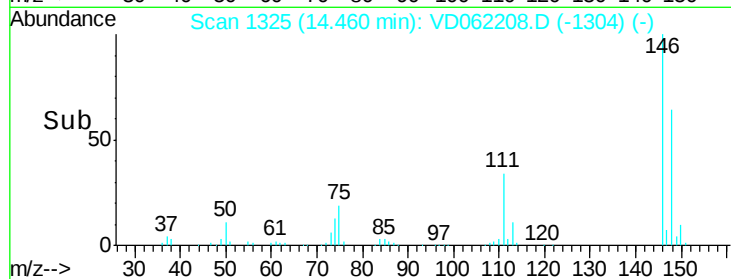
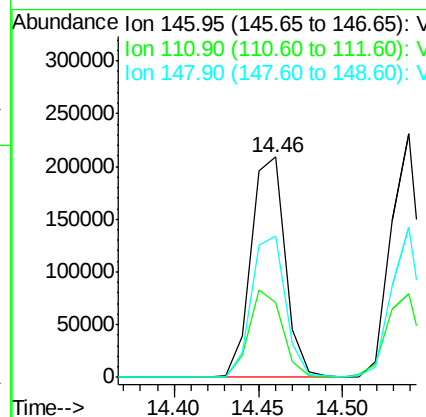
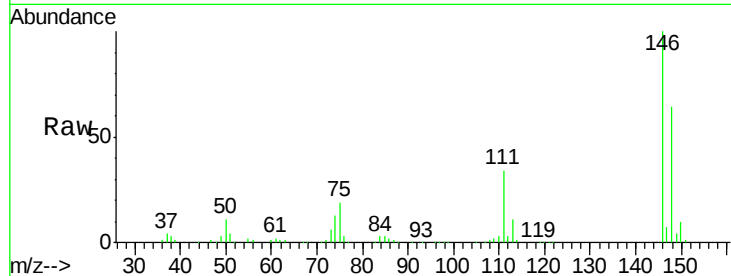




#87
 1,3-Dichlorobenzene
 Concen: 19.094 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

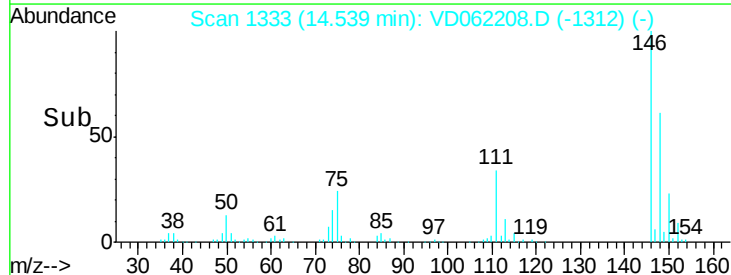
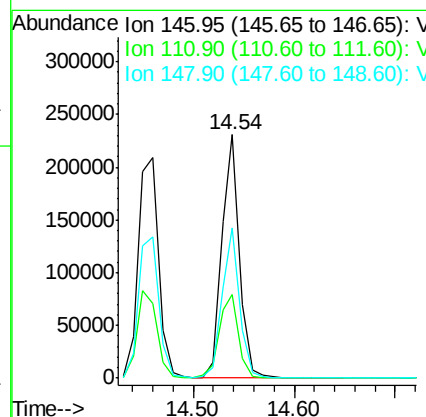
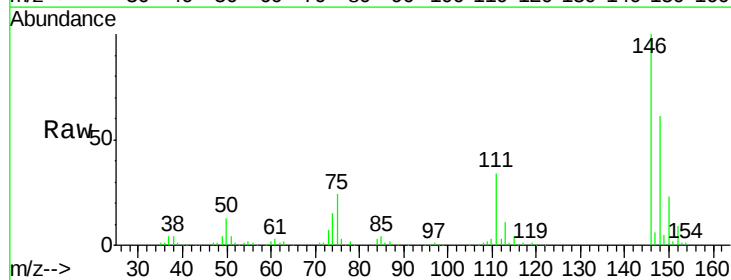
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS01

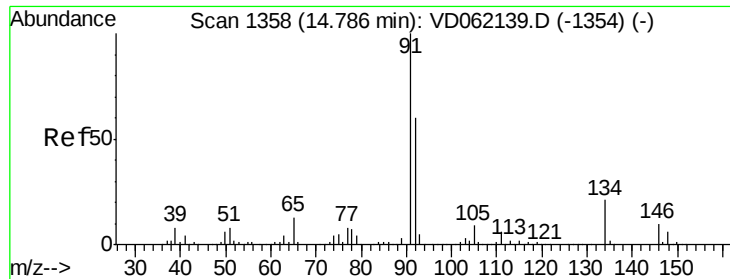
Tot Ion	Ratio	Lower	Upper
146	100		
111	33.8	20.0	60.0
148	63.9	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.655 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.2	20.2	60.5
148	61.4	32.0	96.2

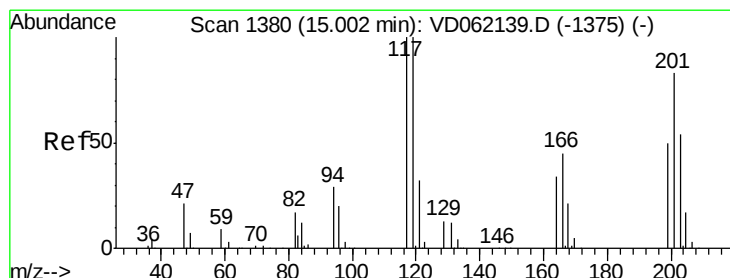
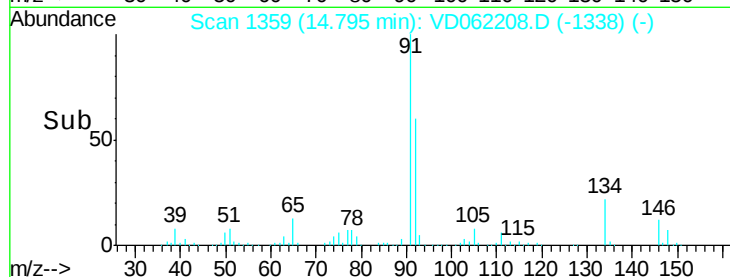
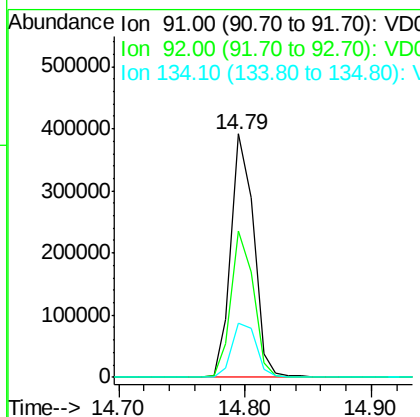
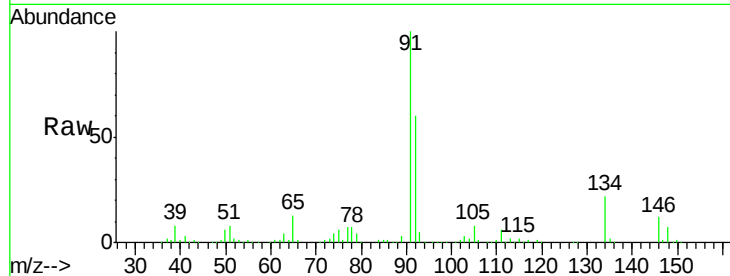




#89
n-Butylbenzene
Concen: 19.447 ug/l
RT: 14.79 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

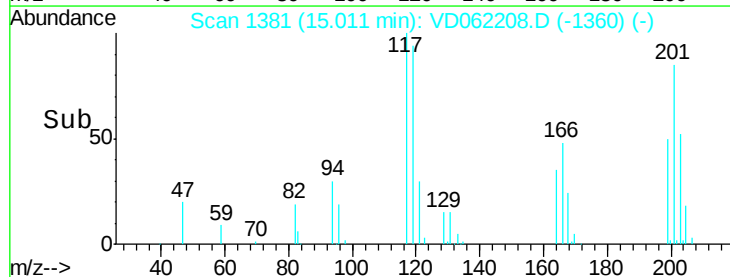
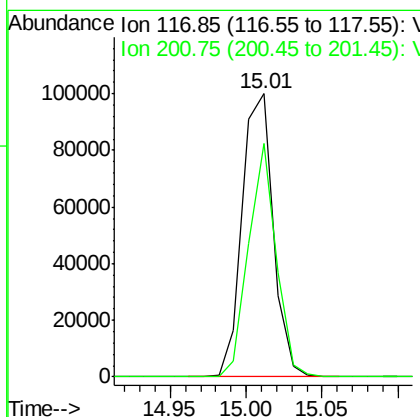
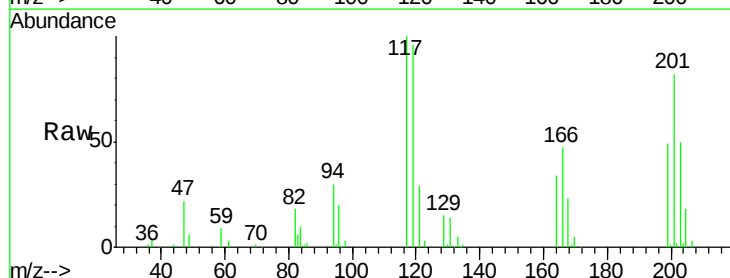
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

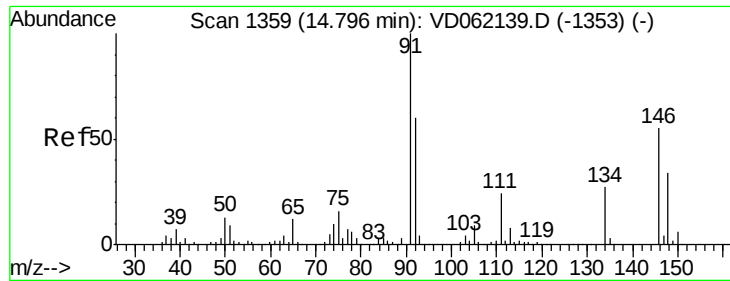
Tot Ion: 91 Resp: 488856
Ion Ratio Lower Upper
91 100
92 60.0 30.3 91.0
134 22.1 14.5 43.6



#90
Hexachloroethane
Concen: 18.674 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Tgt Ion: 117 Resp: 142231
Ion Ratio Lower Upper
117 100
201 82.4 30.2 90.6

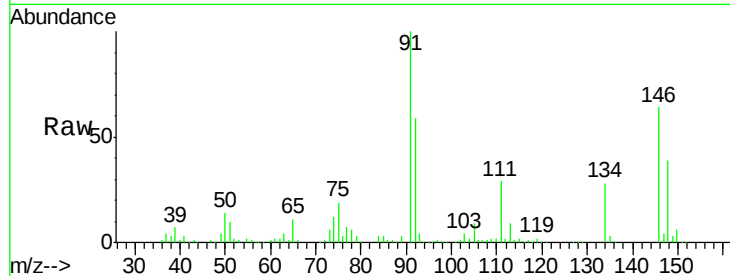




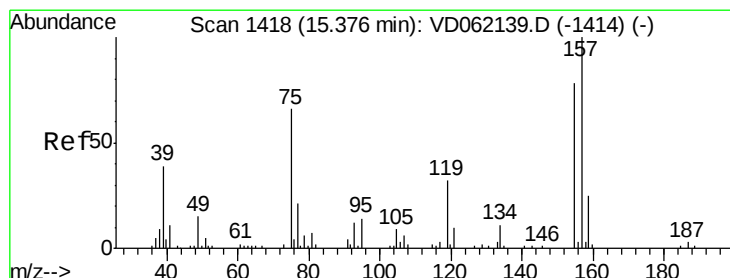
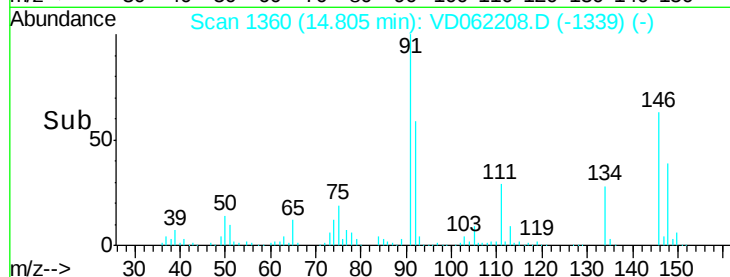
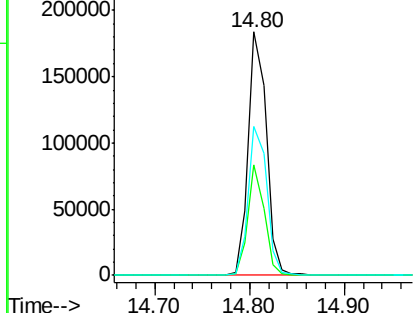
#91
 1,2-Dichlorobenzene
 Concen: 19.188 ug/l
 RT: 14.80 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS01

Tot Ion:146 Resp: 244100
 Ion Ratio Lower Upper
 146 100
 111 45.4 20.0 59.9
 148 61.4 32.3 96.8

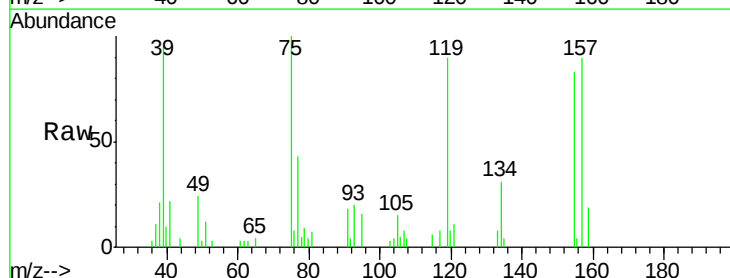


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

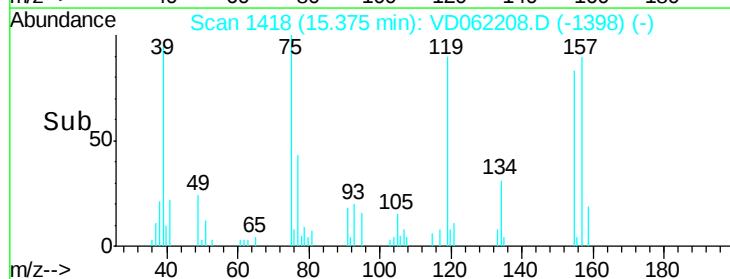
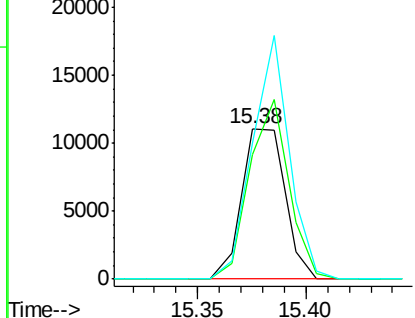


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.351 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Tgt Ion: 75 Resp: 15349
 Ion Ratio Lower Upper
 75 100
 155 86.7 55.3 165.8
 157 90.3 67.8 203.2



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

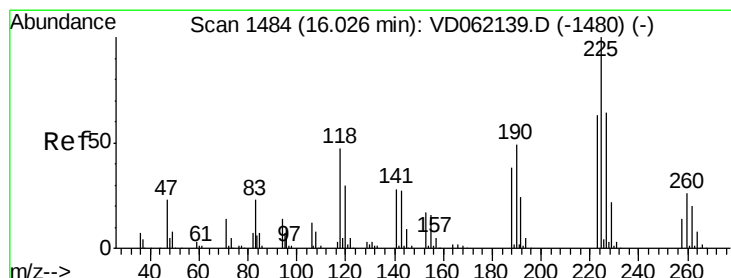
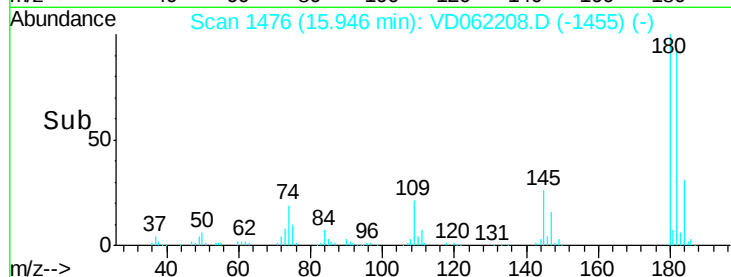
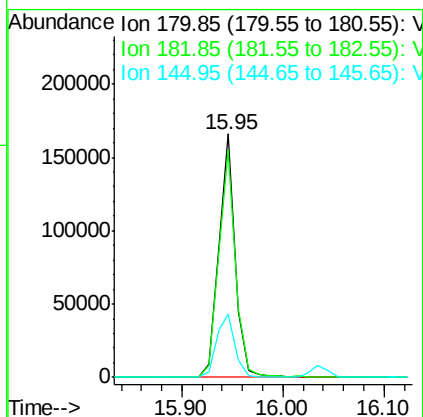
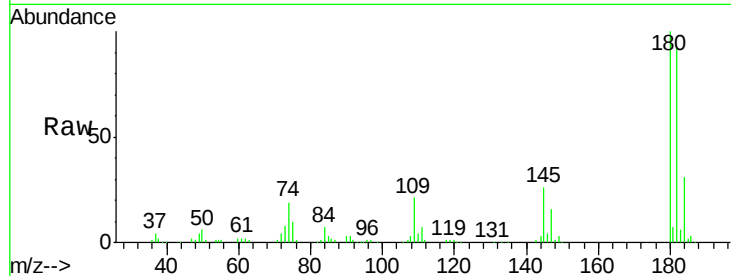




#93
 1,2,4-Trichlorobenzene
 Concen: 20.567 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

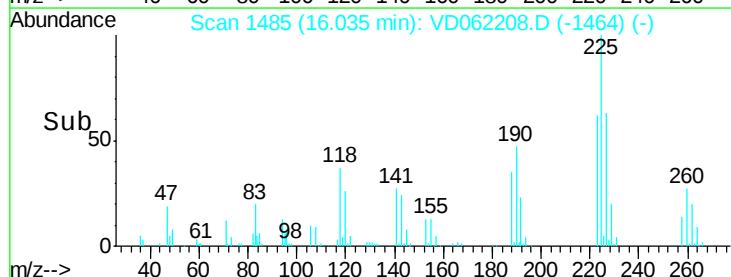
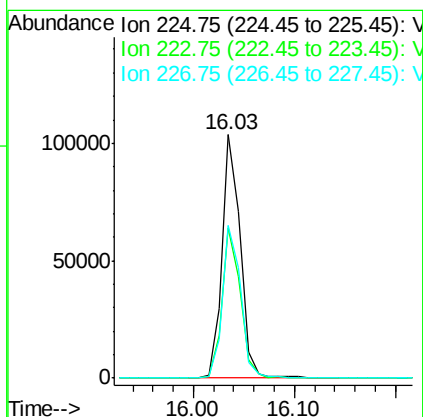
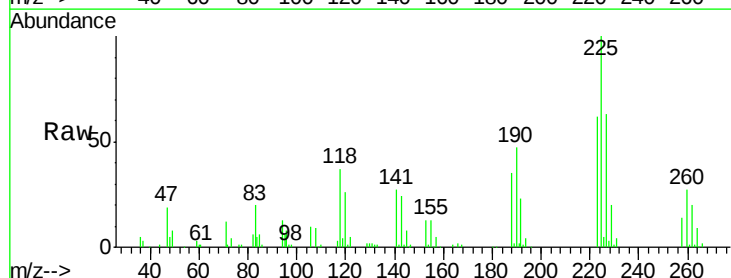
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS01

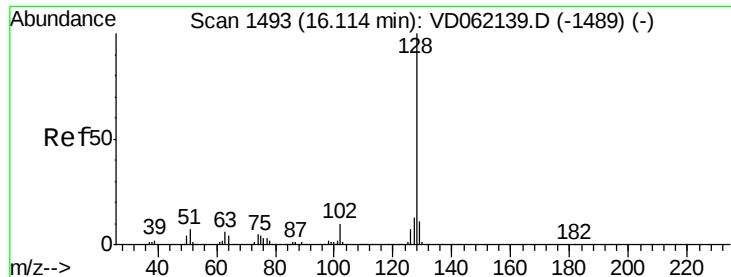
Tot Ion:180 Resp: 190445
 Ion Ratio Lower Upper
 180 100
 182 93.5 49.3 147.8
 145 25.9 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 19.016 ug/l
 RT: 16.03 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062208.D
 Acq: 10 May 2019 11:49

Tgt Ion:225 Resp: 130961
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.6 92.0
 227 62.7 32.0 96.2

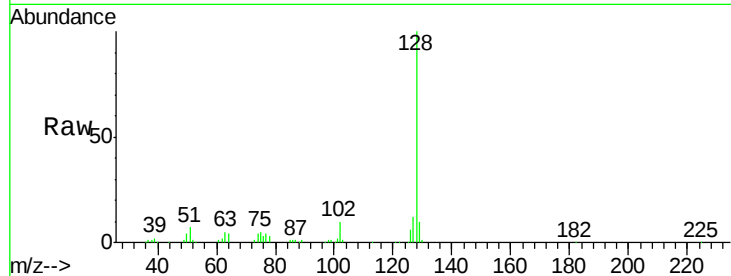




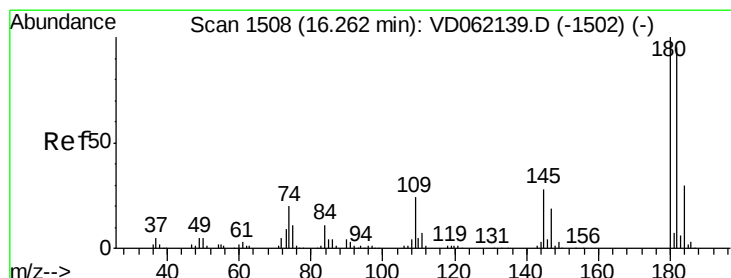
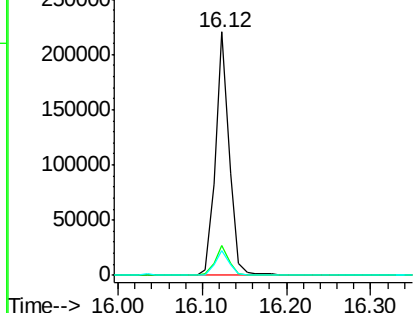
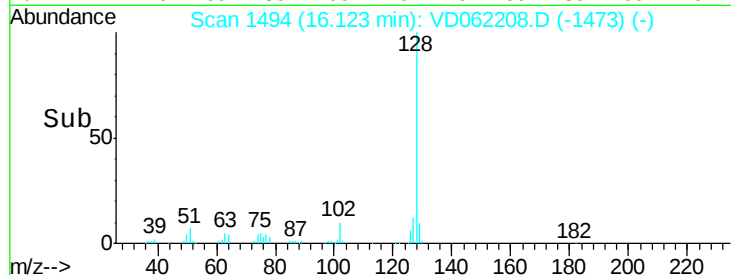
#95
Naphthalene
Concen: 19.262 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

Tot Ion:128 Resp: 249005
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.8
129 10.4 8.8 13.2

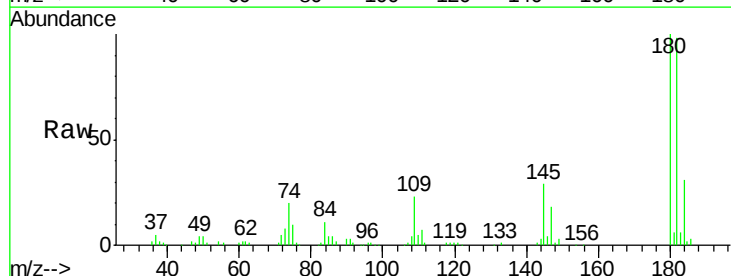


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 23.701 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062208.D
Acq: 10 May 2019 11:49

Tgt Ion:180 Resp: 137985
Ion Ratio Lower Upper
180 100
182 98.0 47.0 141.0
145 29.3 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

