

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062322.D
 Acq On : 14 May 2019 00:39
 Operator : FY/SY
 Sample : VD0513SBS02
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Quant Time: May 14 05:14:10 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	7.06	168	584384	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	806979	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	694493	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	364649	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	308885	56.88	ug/l	0.04
Spiked Amount	50.000		Recovery	=	113.76%	
35) Dibromofluoromethane	6.94	113	344337	51.43	ug/l	0.05
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	10.43	98	747223	46.29	ug/l	0.03
Spiked Amount	50.000		Recovery	=	92.58%	
62) 4-Bromofluorobenzene	13.57	95	334622	51.62	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	117159	20.962	ug/l	99
3) Chloromethane	1.76	50	77445	19.176	ug/l	97
4) Vinyl Chloride	1.86	62	74005	18.646	ug/l	99
5) Bromomethane	2.15	94	27414	29.477	ug/l #	94
6) Chloroethane	2.26	64	39674	23.822	ug/l	98
7) Trichlorofluoromethane	2.53	101	197779	25.631	ug/l	100
8) Diethyl Ether	2.89	74	26908	18.081	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.15	101	126187	21.618	ug/l	95
10) Methyl Iodide	3.31	142	141553	16.045	ug/l #	74
11) Tert butyl alcohol	4.09	59	31013	111.875	ug/l #	86
12) 1,1-Dichloroethene	3.13	96	86396	19.389	ug/l	90
13) Acrolein	3.05	56	24014	83.754	ug/l	90
14) Allyl chloride	3.63	41	137736	21.260	ug/l #	79
15) Acrylonitrile	4.22	53	73838	101.337	ug/l	95
16) Acetone	3.23	43	124254	109.101	ug/l #	82
17) Carbon Disulfide	3.38	76	208392	16.258	ug/l	98
18) Methyl Acetate	3.66	43	61678	30.160	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	212307	22.229	ug/l	94
20) Methylene Chloride	3.82	84	100316	21.096	ug/l	94
21) trans-1,2-Dichloroethene	4.23	96	96889	19.541	ug/l	99
22) Diisopropyl ether	5.13	45	308612	22.385	ug/l	94
23) Vinyl Acetate	5.07	43	852412	117.186	ug/l	96
24) 1,1-Dichloroethane	4.99	63	188204	22.629	ug/l	96
25) 2-Butanone	6.09	43	135933	109.425	ug/l	94
26) 2,2-Dichloropropane	6.04	77	198855	24.003	ug/l	95
27) cis-1,2-Dichloroethene	6.06	96	124867	22.499	ug/l	92
28) Bromochloromethane	6.44	49	80844	24.706	ug/l #	61
29) Tetrahydrofuran	6.47	42	60675	106.005	ug/l	94
30) Chloroform	6.68	83	243955	24.338	ug/l	100
31) Cyclohexane	6.97	56	106516	18.694	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	241549	25.496	ug/l	95
36) 1,1-Dichloropropene	7.16	75	142757	21.576	ug/l	98
37) Ethyl Acetate	6.21	43	60675	21.624	ug/l #	87
38) Carbon Tetrachloride	7.12	117	214935	23.470	ug/l	92

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 Data File : VD062322.D
 Acq On : 14 May 2019 00:39
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 Sample : VD0513SBS02
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Quant Time: May 14 05:14:10 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)
39) Methylcyclohexane	8.88	83	124977	19.714	ug/l	91
40) Benzene	7.46	78	303336	20.303	ug/l	96
41) Methacrylonitrile	6.47	41	79192	23.095	ug/l #	75
42) 1,2-Dichloroethane	7.59	62	160453	25.347	ug/l	90
43) Isopropyl Acetate	9.26	43	80622	20.259	ug/l	99
44) Trichloroethene	8.56	130	115555	20.297	ug/l	80
45) 1,2-Dichloropropane	8.95	63	73806	19.971	ug/l	98
46) Dibromomethane	9.08	93	66648	22.177	ug/l	96
47) Bromodichloromethane	9.38	83	182092	24.771	ug/l	99
48) Methyl methacrylate	9.14	41	59877	24.428	ug/l	87
49) 1,4-Dioxane	9.10	88	11106	419.932	ug/l	90
51) 4-Methyl-2-Pentanone	10.32	43	315457	123.320	ug/l	95
52) Toluene	10.53	92	208411	21.439	ug/l	94
53) t-1,3-Dichloropropene	10.93	75	138401	21.784	ug/l	95
54) cis-1,3-Dichloropropene	10.05	75	156341	22.557	ug/l #	85
55) 1,1,2-Trichloroethane	11.20	97	77336	22.484	ug/l	97
56) Ethyl methacrylate	11.06	69	77882	21.790	ug/l #	85
57) 1,3-Dichloropropane	11.42	76	121059	23.297	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	214969	110.108	ug/l	93
59) 2-Hexanone	11.55	43	218141	115.702	ug/l	90
60) Dibromochloromethane	11.70	129	134779	22.674	ug/l	94
61) 1,2-Dibromoethane	11.81	107	91867	21.969	ug/l	99
64) Tetrachloroethene	11.27	164	113094	20.825	ug/l	87
65) Chlorobenzene	12.40	112	284650	22.006	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	128065	22.749	ug/l	92
67) Ethyl Benzene	12.53	91	499979	23.088	ug/l	93
68) m/p-Xylenes	12.68	106	322291	40.906	ug/l	82
69) o-Xylene	13.05	106	149677	20.434	ug/l	76
70) Styrene	13.08	104	262839	21.183	ug/l	94
71) Bromoform	13.24	173	88142	22.504	ug/l	96
73) Isopropylbenzene	13.41	105	478536	21.893	ug/l	95
74) N-amyl acetate	13.27	43	116462	20.322	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	87174	21.067	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	94843	21.886	ug/l	97
77) Bromobenzene	13.67	156	137853	22.529	ug/l	84
78) n-propylbenzene	13.78	91	582399	22.336	ug/l	96
79) 2-Chlorotoluene	13.85	91	335415	22.461	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	398371	21.643	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.48	75	21265	17.382	ug/l #	68
82) 4-Chlorotoluene	13.95	91	387332	22.042	ug/l	83
83) tert-Butylbenzene	14.20	119	447967	21.653	ug/l	92
84) 1,2,4-Trimethylbenzene	14.25	105	390569	21.145	ug/l	90
85) sec-Butylbenzene	14.37	105	492691	21.721	ug/l	98
86) p-Isopropyltoluene	14.50	119	433844	21.407	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	229564	20.538	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	227421	20.707	ug/l	99
89) n-Butylbenzene	14.81	91	400745	22.031	ug/l	92
90) Hexachloroethane	15.01	117	120203	21.810	ug/l	90
91) 1,2-Dichlorobenzene	14.82	146	198341	21.546	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	16126	23.740	ug/l	81

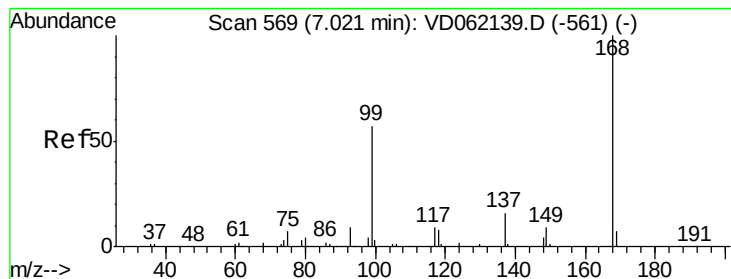
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051319\
Data File : VD062322.D
Acq On : 14 May 2019 00:39
Operator : FY/SY
Sample : VD0513SBS02
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

Quant Time: May 14 05:14:10 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.95	180	145141	21.661	ug/l	100
94) Hexachlorobutadiene	16.05	225	114725	23.021	ug/l	98
95) Naphthalene	16.12	128	226645	24.228	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	113530	26.949	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

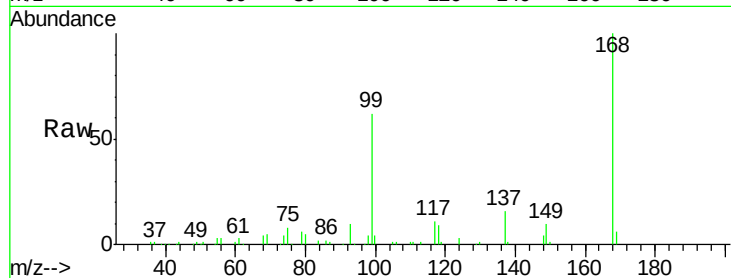
VD0513SBS02

Tot Ion:168 Resp: 584384

Ion Ratio Lower Upper

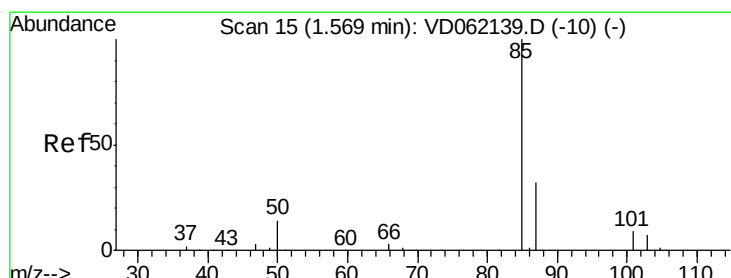
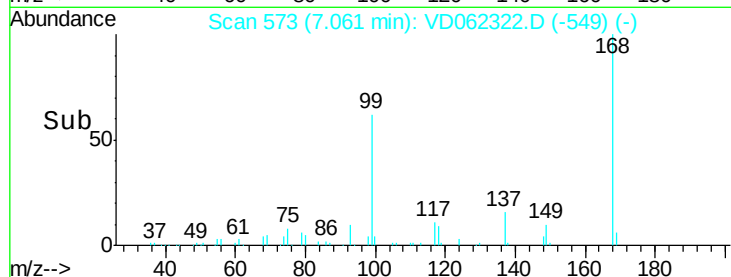
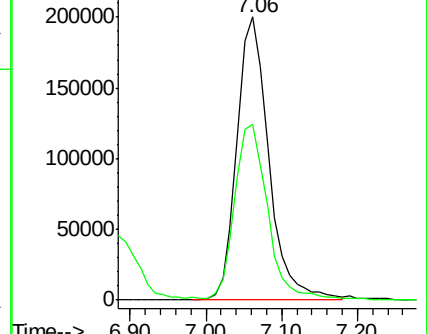
168 100

99 62.1 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: 20.962 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062322.D

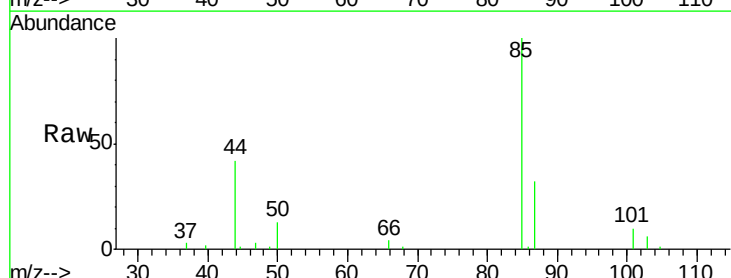
Acq: 14 May 2019 00:39

Tgt Ion: 85 Resp: 117159

Ion Ratio Lower Upper

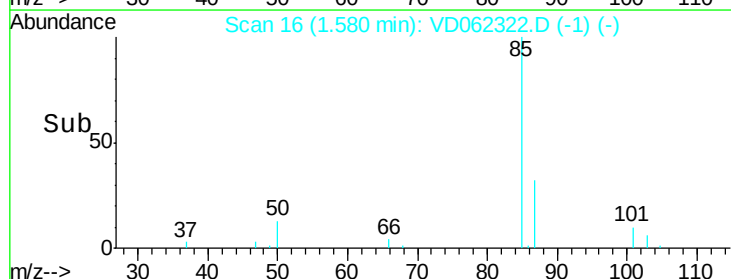
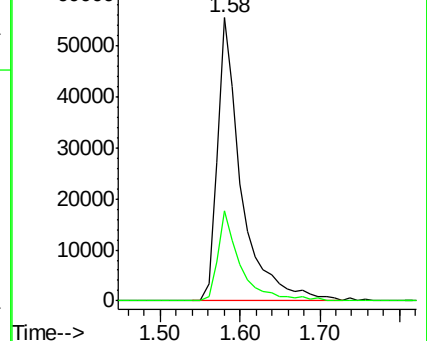
85 100

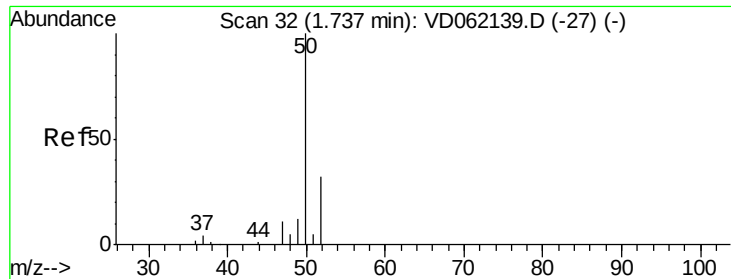
87 32.1 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.176 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

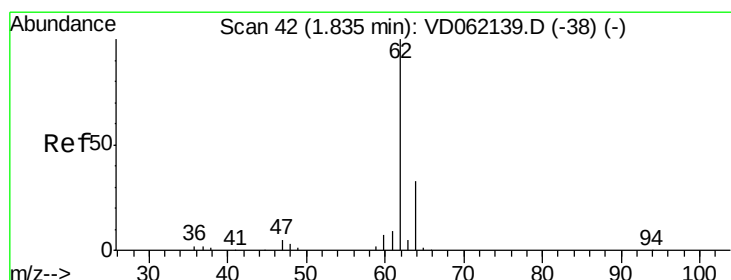
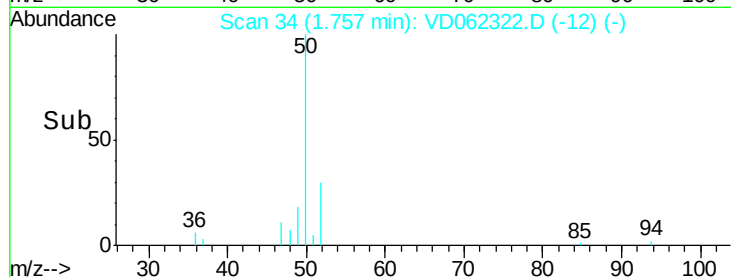
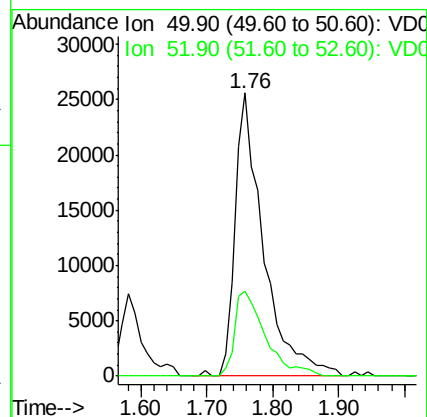
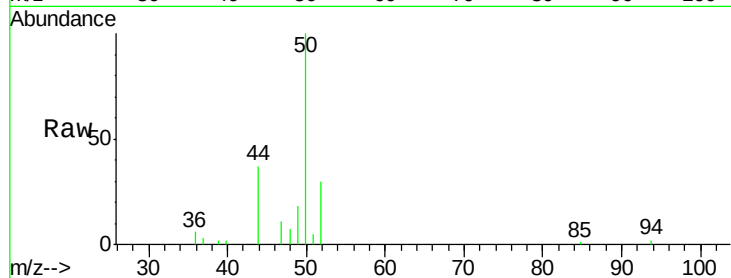
VD0513SBS02

Tot Ion: 50 Resp: 77445

Ion Ratio Lower Upper

50 100

52 29.9 25.2 37.8



#4

Vinyl Chloride

Concen: 18.646 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062322.D

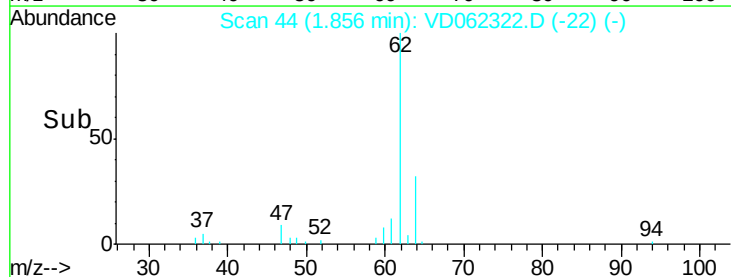
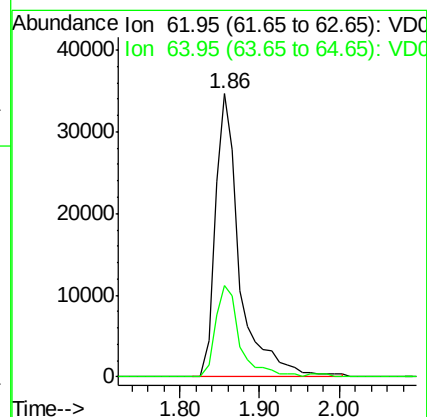
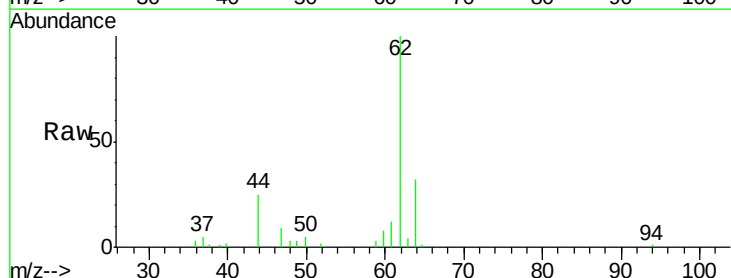
Acq: 14 May 2019 00:39

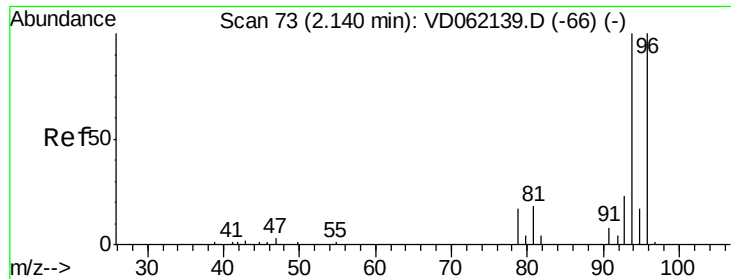
Tgt Ion: 62 Resp: 74005

Ion Ratio Lower Upper

62 100

64 32.5 26.5 39.7





#5

Bromomethane

Concen: 29.477 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

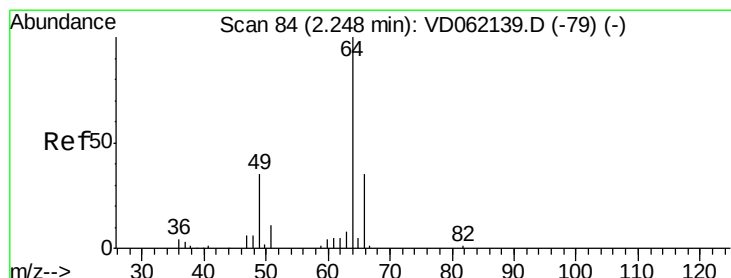
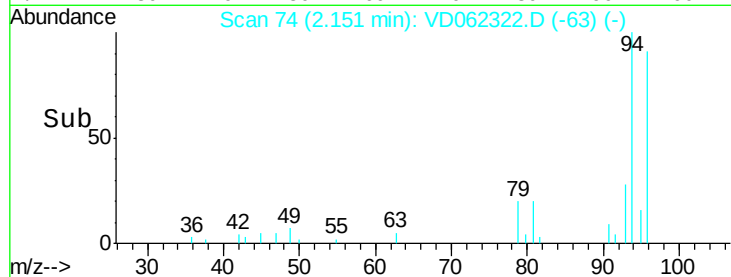
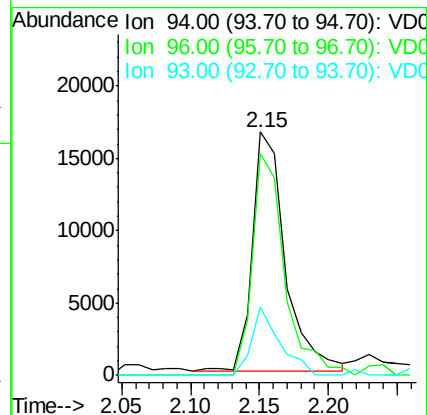
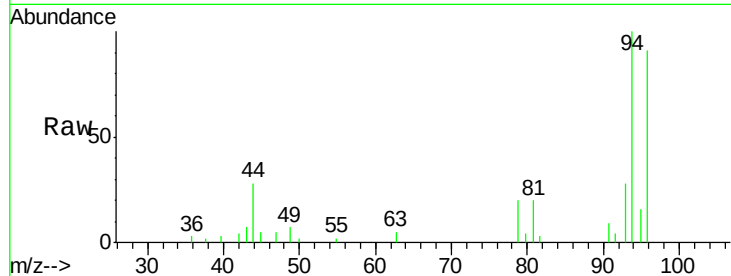
Tot Ion: 94 Resp: 27414

Ion Ratio Lower Upper

94 100

96 91.0 76.6 115.0

93 28.0 18.5 27.7#



#6

Chloroethane

Concen: 23.822 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062322.D

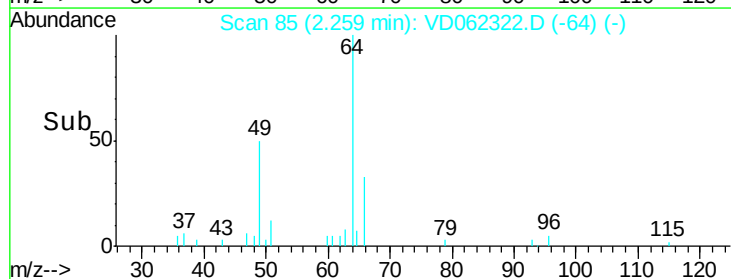
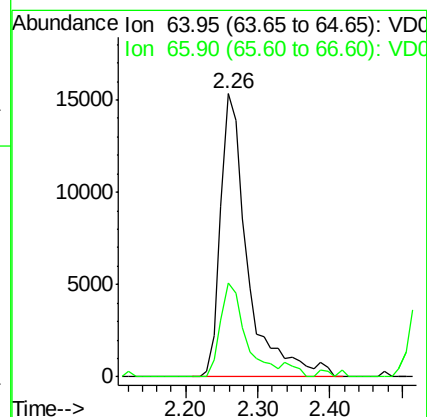
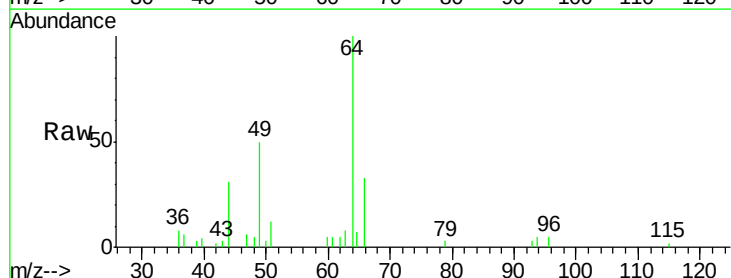
Acq: 14 May 2019 00:39

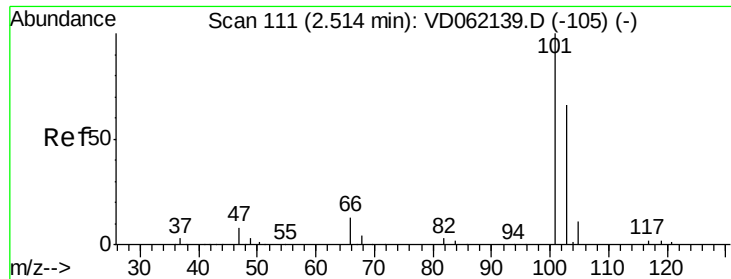
Tgt Ion: 64 Resp: 39674

Ion Ratio Lower Upper

64 100

66 33.2 25.6 38.4



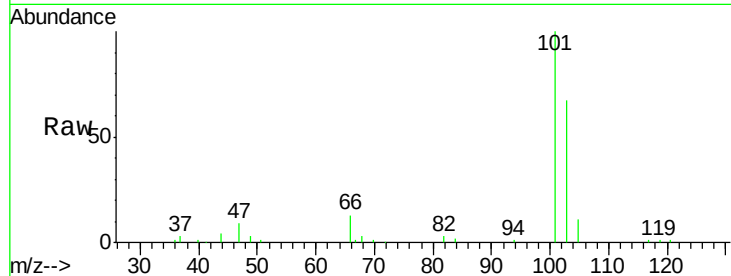


#7

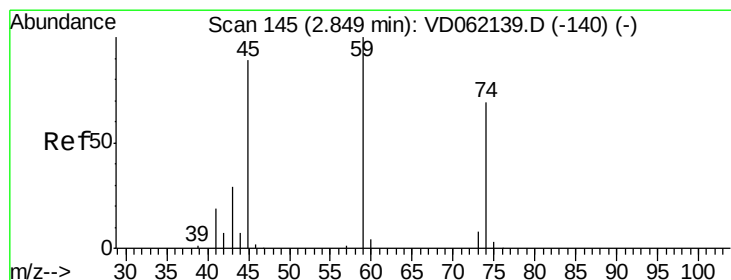
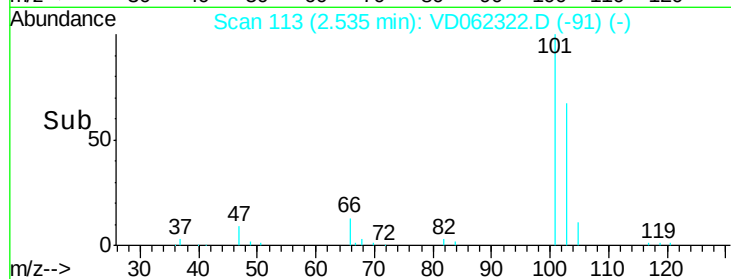
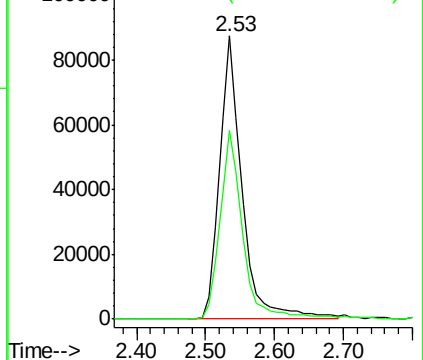
Trichlorofluoromethane
 Concen: 25.631 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Tot Ion:101 Resp: 197779
 Ion Ratio Lower Upper
 101 100
 103 66.8 53.6 80.4



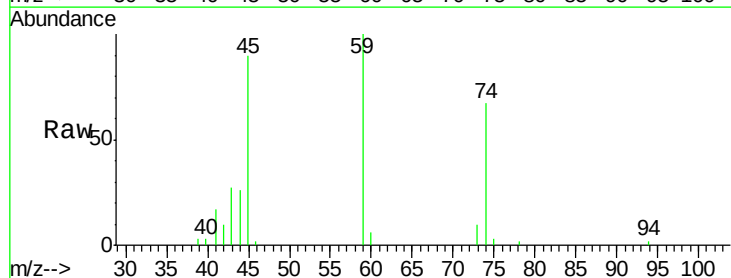
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



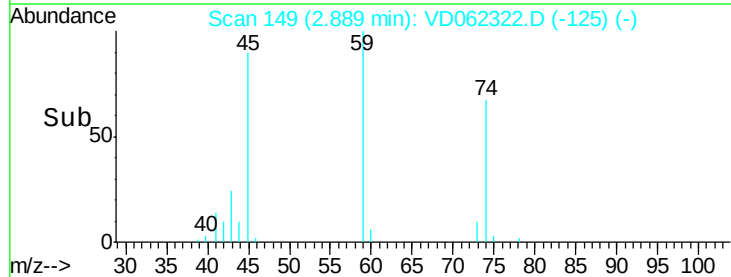
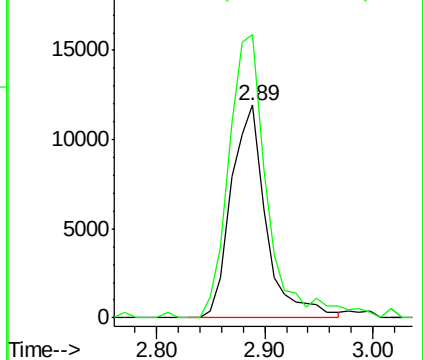
#8

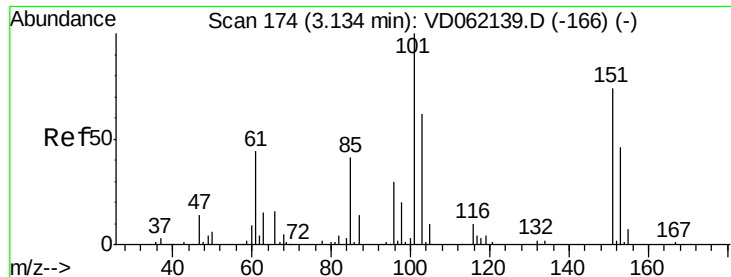
Diethyl Ether
 Concen: 18.081 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.04 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

Tgt Ion: 74 Resp: 26908
 Ion Ratio Lower Upper
 74 100
 45 133.2 56.9 170.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.618 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

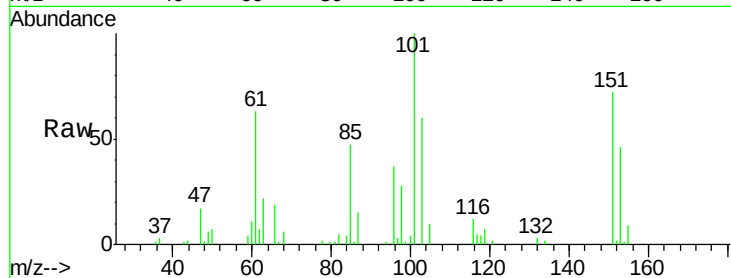
Tot Ion:101 Resp: 126187

Ion Ratio Lower Upper

101 100

85 47.1 32.4 48.6

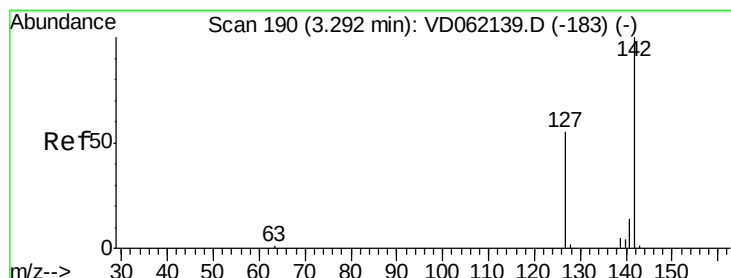
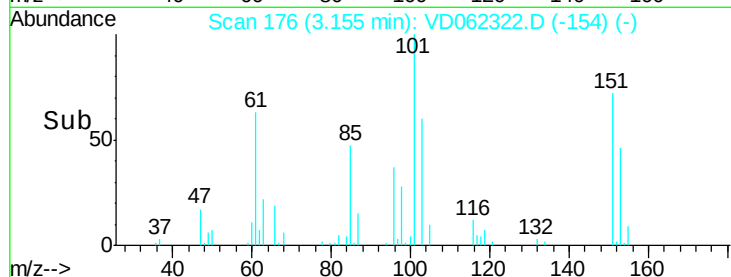
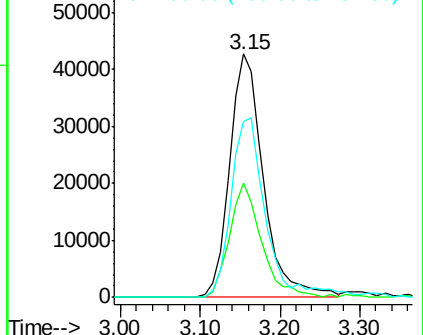
151 72.0 59.4 89.0



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: 16.045 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

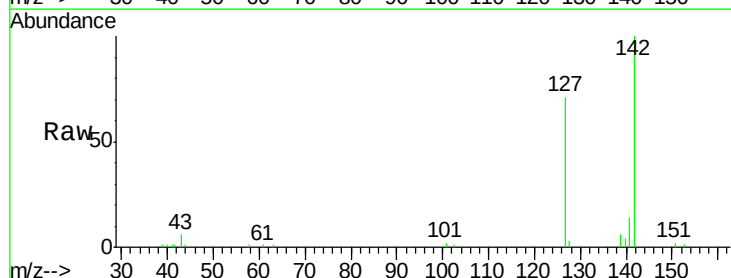
Tgt Ion:142 Resp: 141553

Ion Ratio Lower Upper

142 100

127 70.9 38.8 58.2#

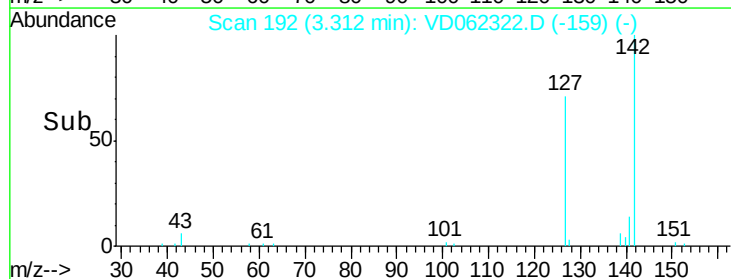
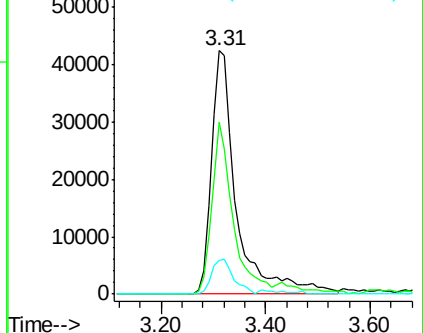
141 13.9 11.4 17.0

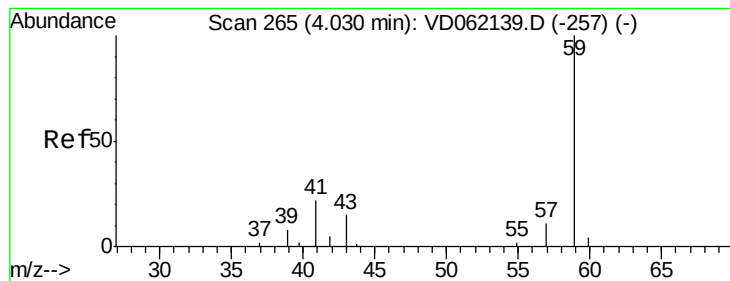


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 111.875 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.06 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

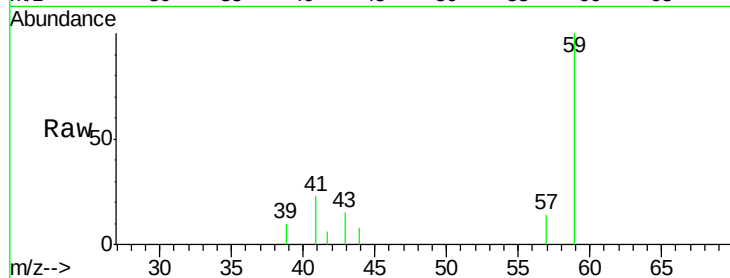
VD0513SBS02

Tot Ion: 59 Resp: 31013

Ion Ratio Lower Upper

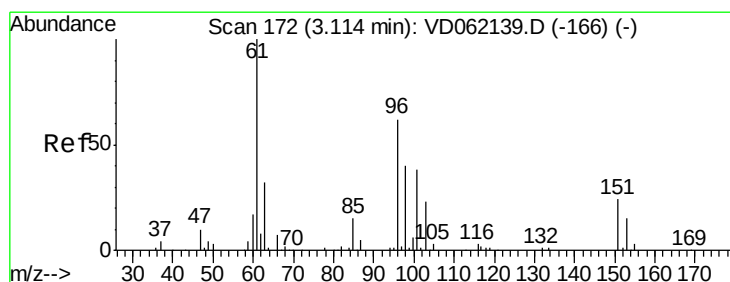
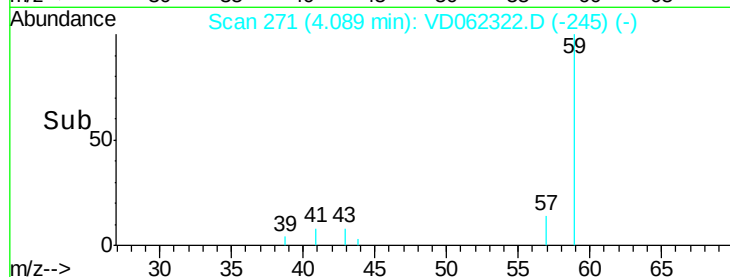
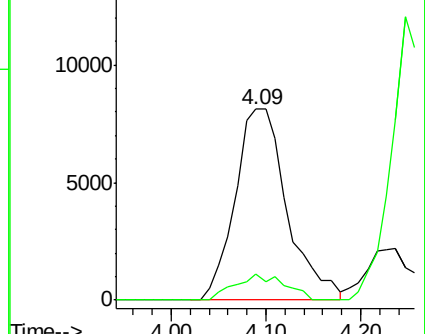
59 100

57 13.6 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 19.389 ug/l

RT: 3.13 min Scan# 174

Delta R.T. 0.02 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

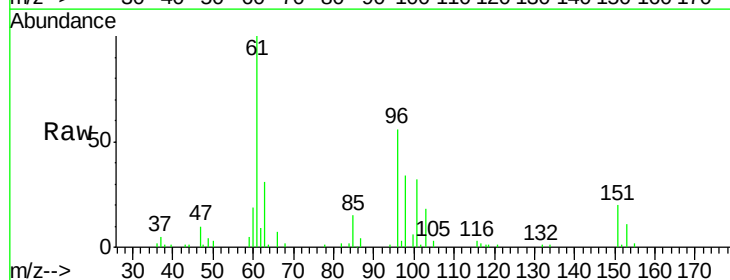
Tgt Ion: 96 Resp: 86396

Ion Ratio Lower Upper

96 100

61 177.5 129.8 194.8

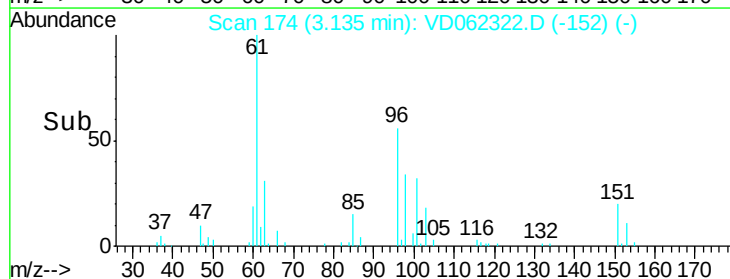
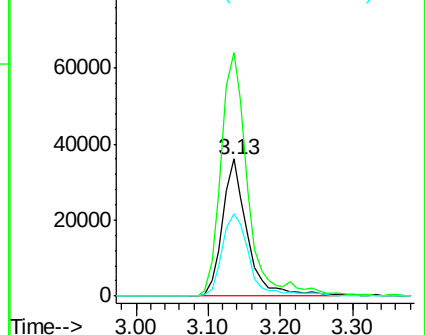
98 60.0 51.2 76.8

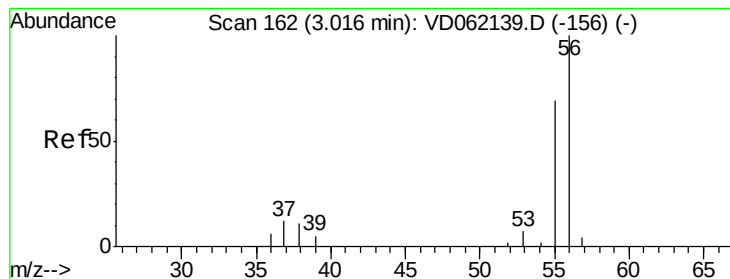


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 83.754 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

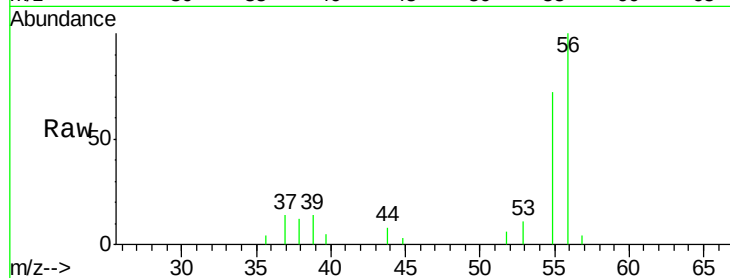
VD0513SBS02

Tot Ion: 56 Resp: 24014

Ion Ratio Lower Upper

56 100

55 71.8 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.05

12000

10000

8000

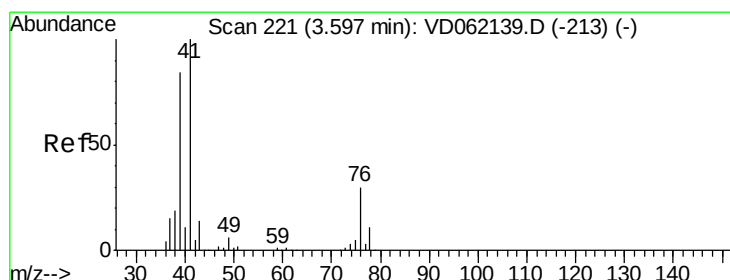
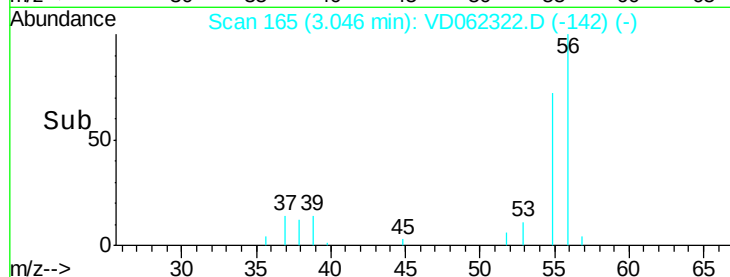
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 21.260 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

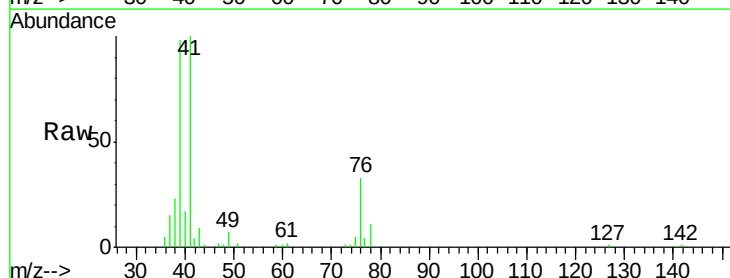
Tgt Ion: 41 Resp: 137736

Ion Ratio Lower Upper

41 100

39 97.8 60.5 90.7#

76 33.2 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.63

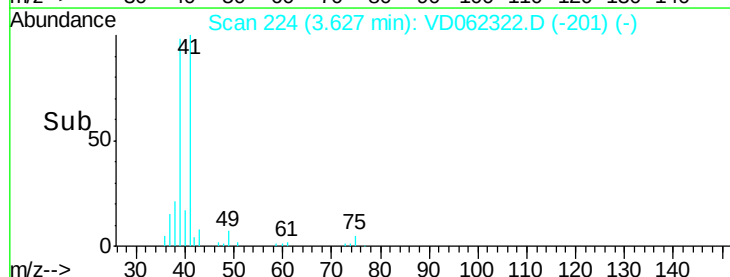
60000

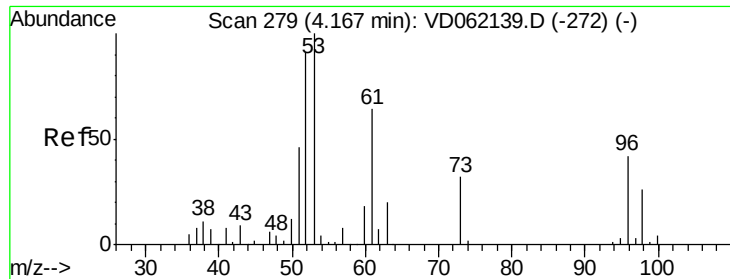
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 101.337 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.05 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

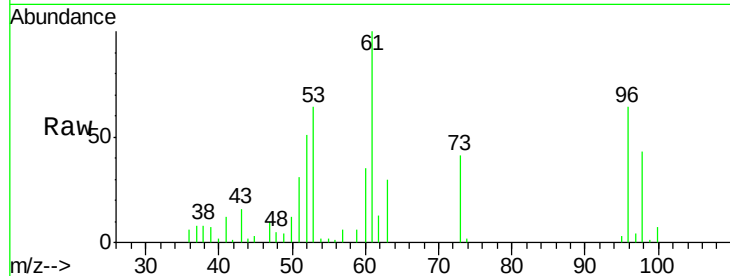
Tot Ion: 53 Resp: 73838

Ion Ratio Lower Upper

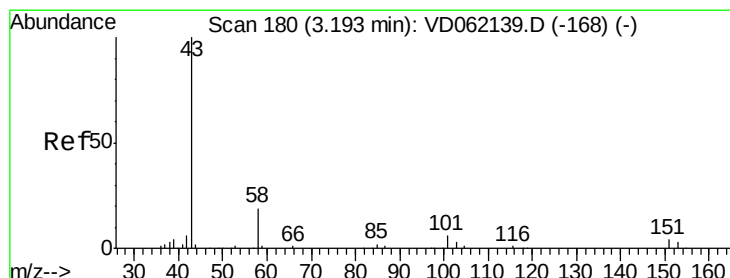
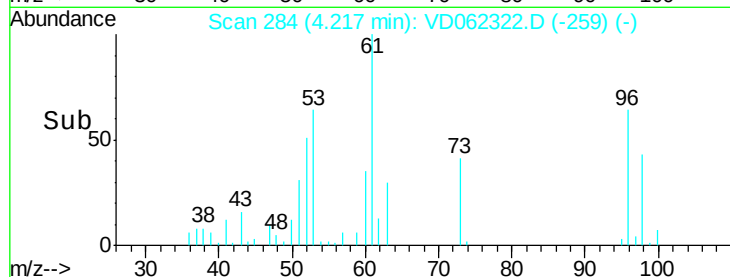
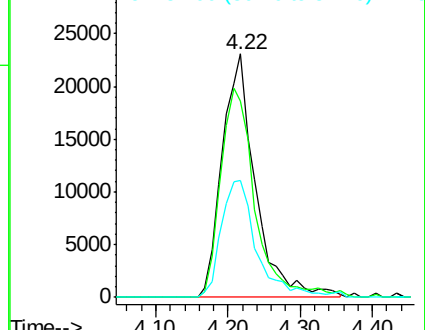
53 100

52 80.5 65.0 97.4

51 48.2 32.6 48.8



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



#16

Acetone

Concen: 109.101 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062322.D

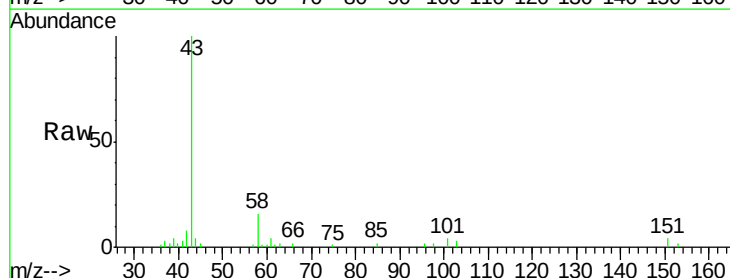
Acq: 14 May 2019 00:39

Tgt Ion: 43 Resp: 124254

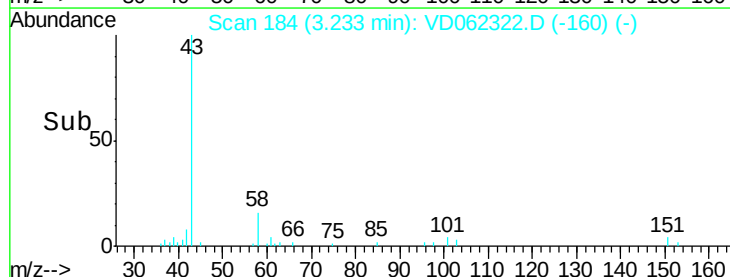
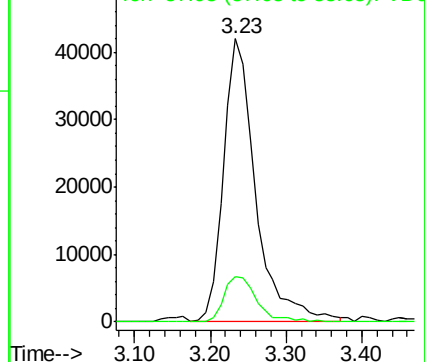
Ion Ratio Lower Upper

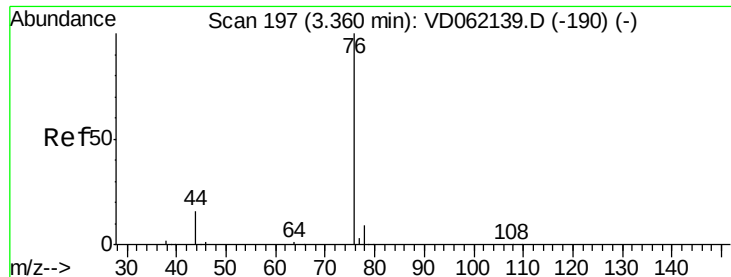
43 100

58 15.8 19.9 29.9#



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





#17

Carbon Disulfide

Concen: 16.258 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

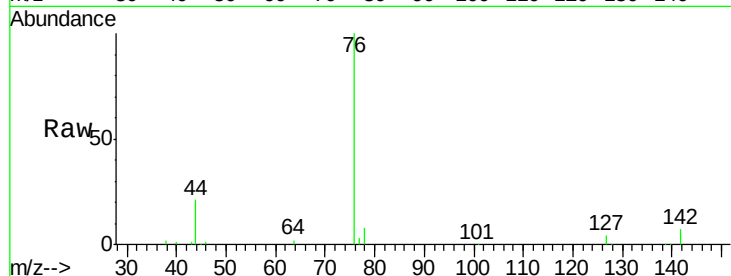
VD0513SBS02

Tot Ion: 76 Resp: 208392

Ion Ratio Lower Upper

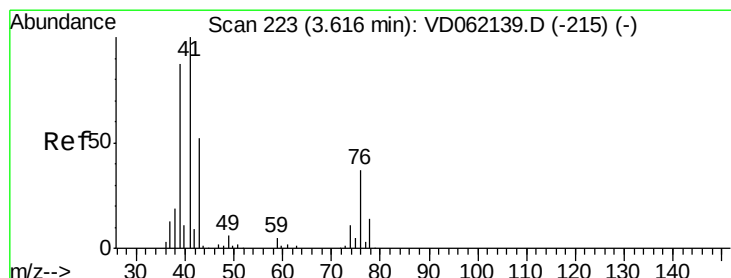
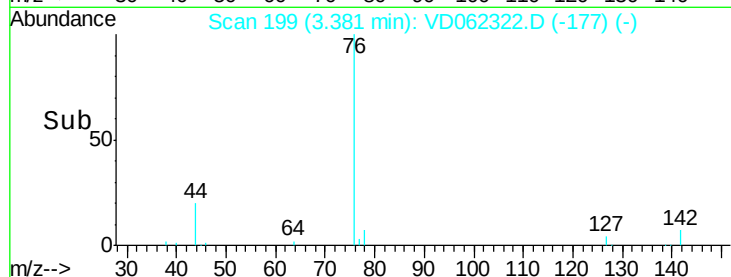
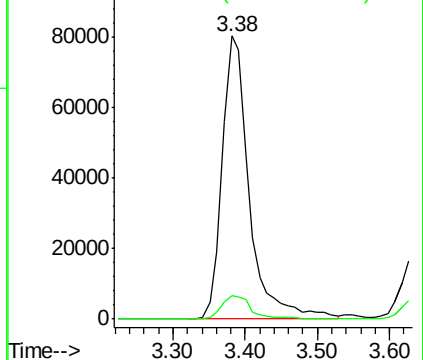
76 100

78 8.4 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 30.160 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.04 min

Lab File: VD062322.D

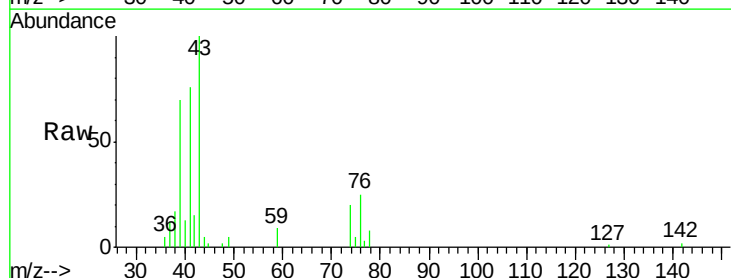
Acq: 14 May 2019 00:39

Tgt Ion: 43 Resp: 61678

Ion Ratio Lower Upper

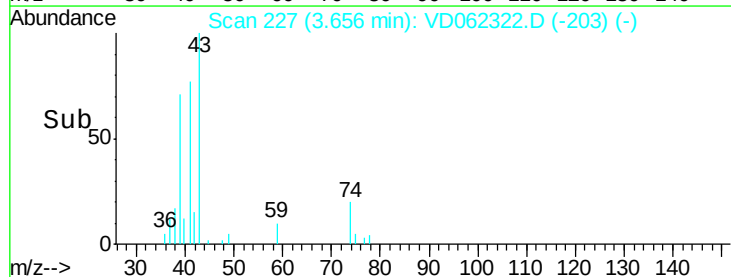
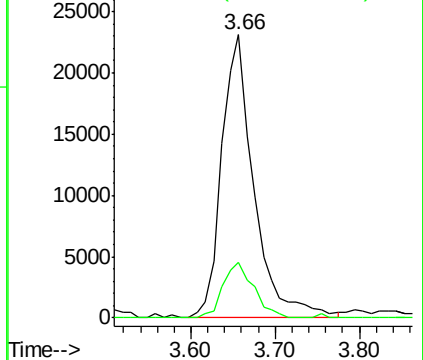
43 100

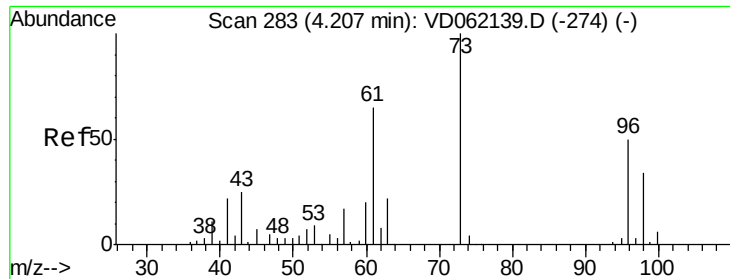
74 19.8 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

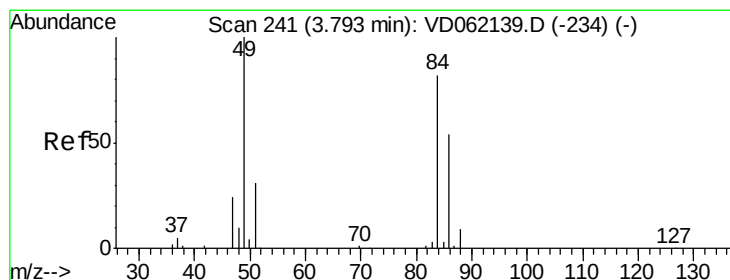
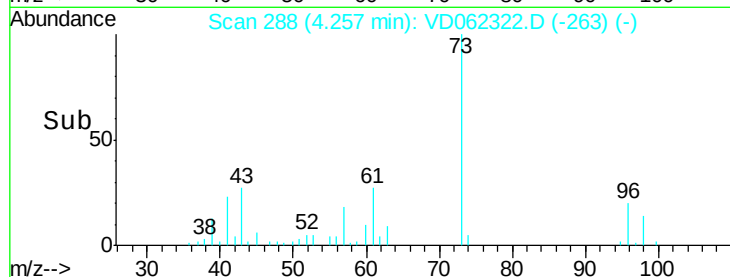
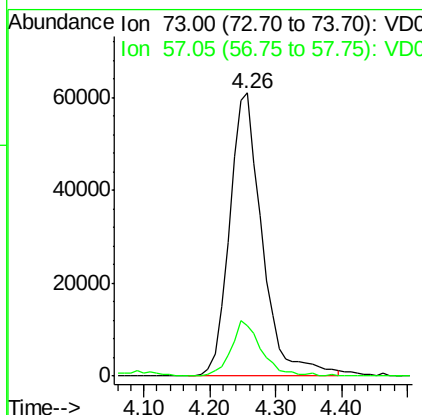
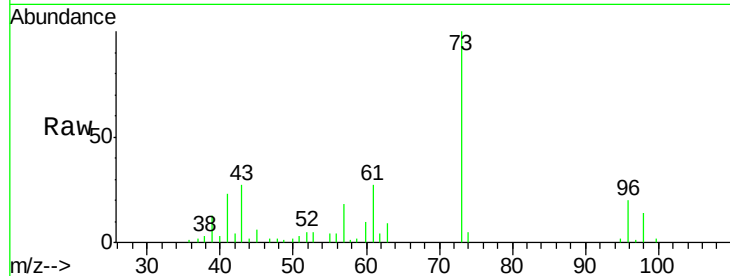




#19
Methyl tert-butyl Ether
Concen: 22.229 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.05 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

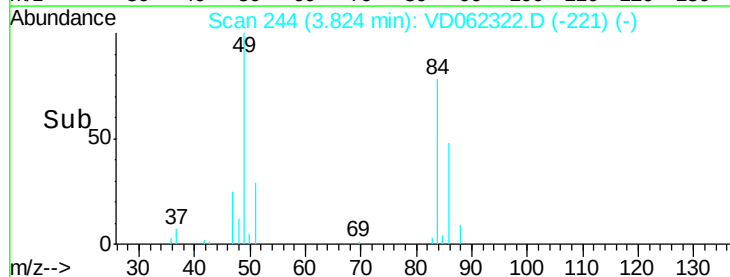
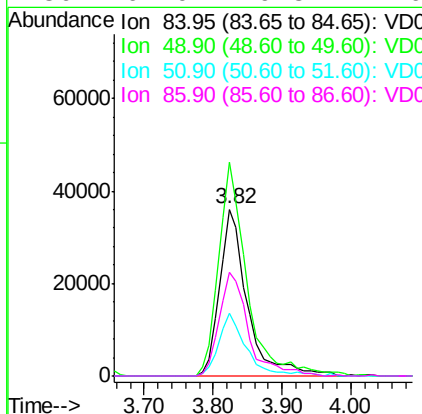
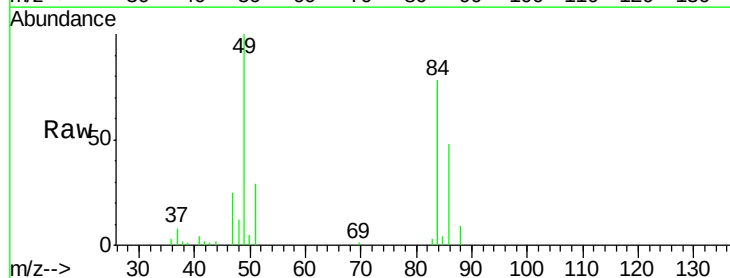
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

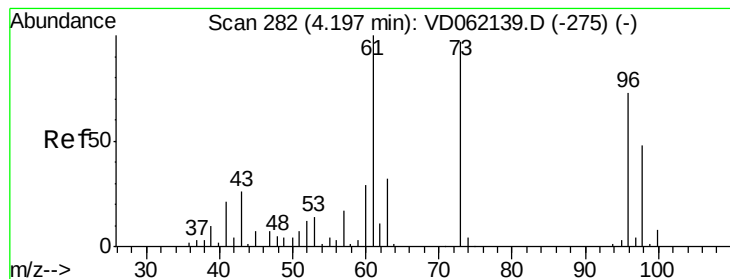
Tot Ion: 73 Resp: 212307
Ion Ratio Lower Upper
73 100
57 17.6 16.3 24.5



#20
Methylene Chloride
Concen: 21.096 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Tgt Ion: 84 Resp: 100316
Ion Ratio Lower Upper
84 100
49 127.9 94.0 141.0
51 37.4 29.0 43.4
86 62.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.541 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

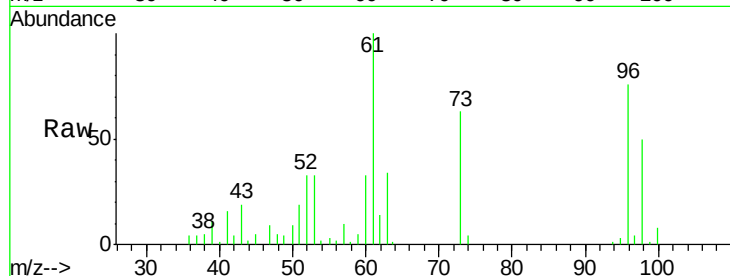
Tot Ion: 96 Resp: 96889

Ion Ratio Lower Upper

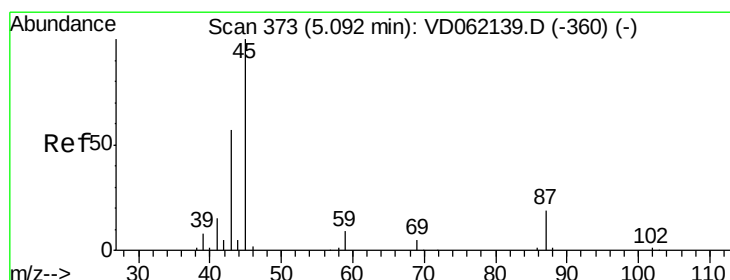
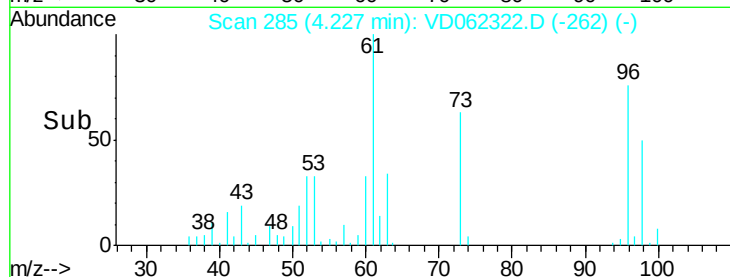
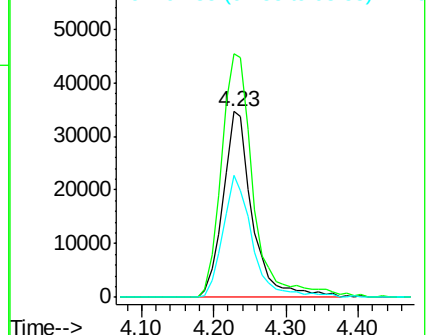
96 100

61 131.3 104.4 156.6

98 65.4 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: 22.385 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.04 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Tgt Ion: 45 Resp: 308612

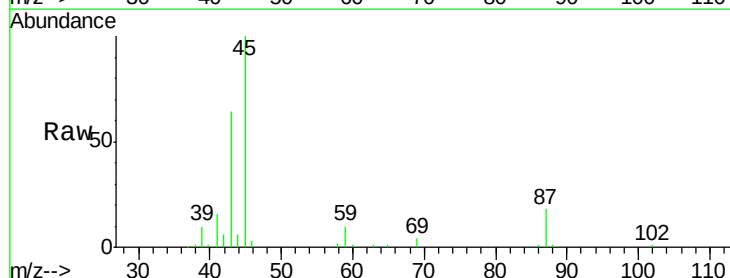
Ion Ratio Lower Upper

45 100

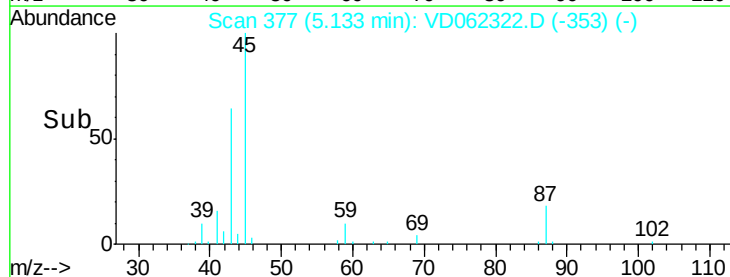
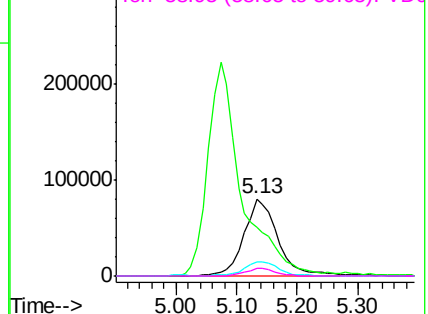
43 63.7 46.2 69.2

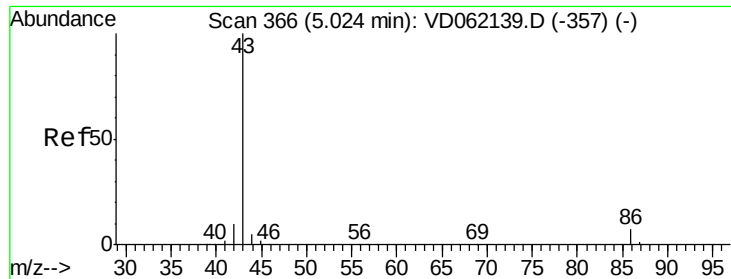
87 18.3 15.9 23.9

59 9.5 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: 117.186 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.05 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

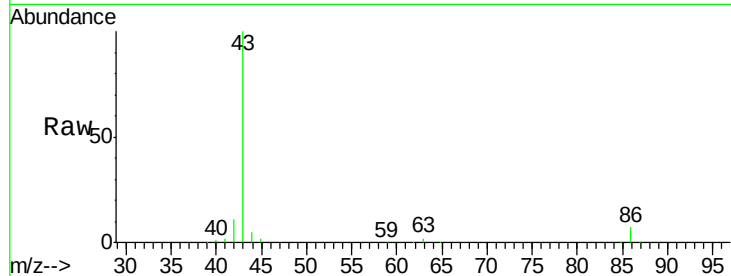
VD0513SBS02

Tot Ion: 43 Resp: 852412

Ion Ratio Lower Upper

43 100

86 6.7 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

250000

200000

150000

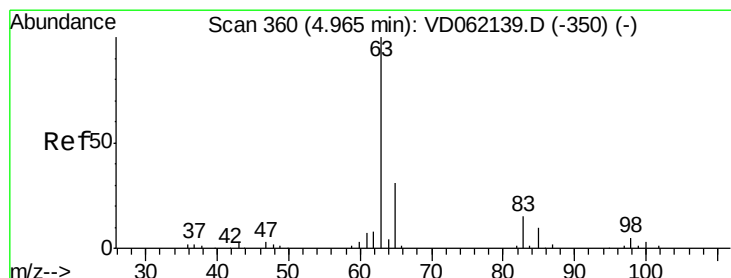
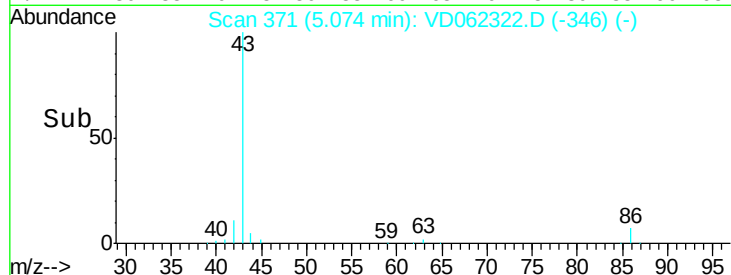
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 22.629 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

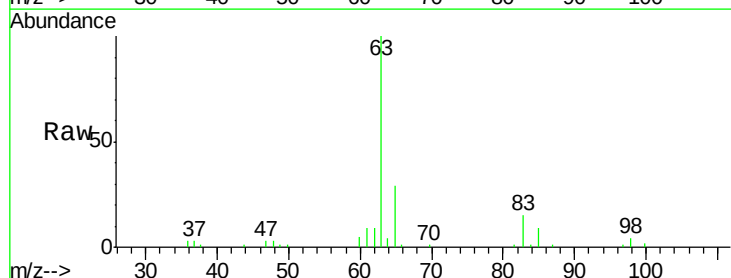
Tgt Ion: 63 Resp: 188204

Ion Ratio Lower Upper

63 100

98 4.4 2.8 8.4

100 2.0 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

4.99

60000

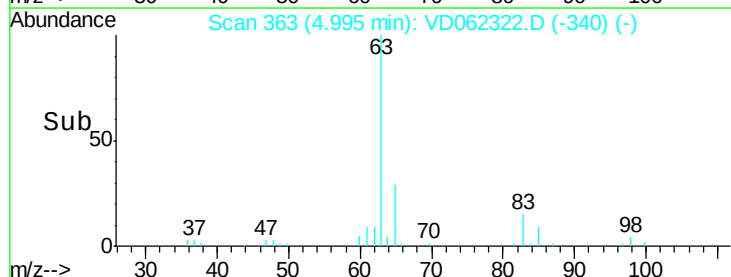
40000

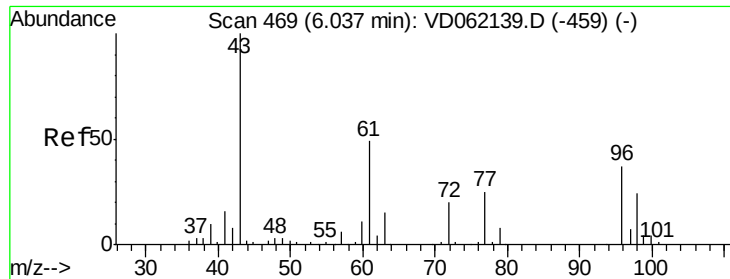
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 109.425 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

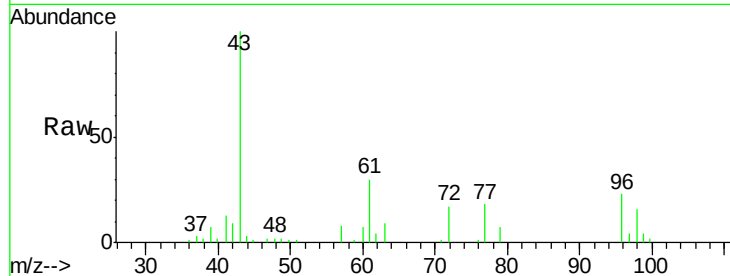
VD0513SBS02

Tot Ion: 43 Resp: 135933

Ion Ratio Lower Upper

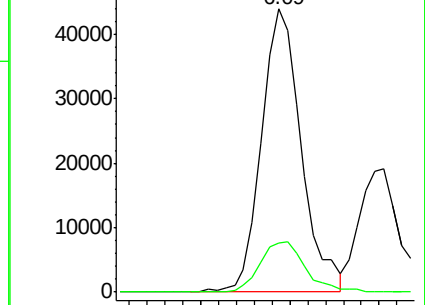
43 100

72 17.3 16.2 24.4

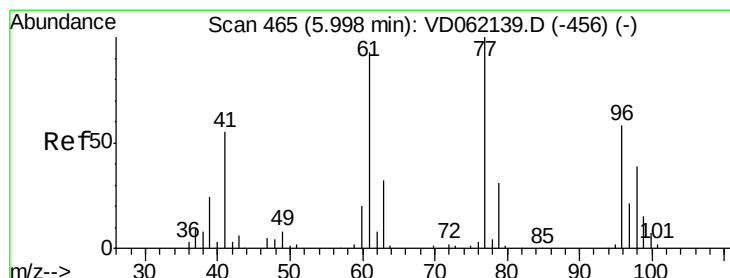
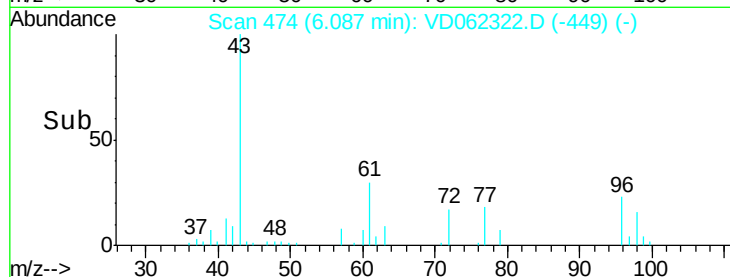


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 24.003 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062322.D

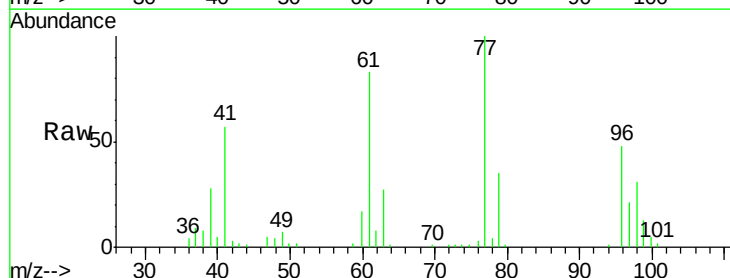
Acq: 14 May 2019 00:39

Tgt Ion: 77 Resp: 198855

Ion Ratio Lower Upper

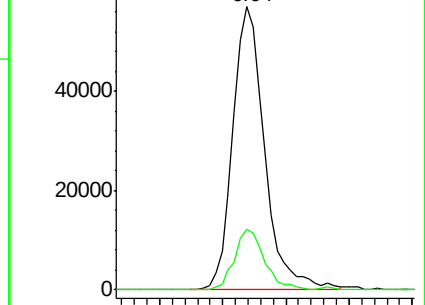
77 100

97 21.3 11.9 35.9

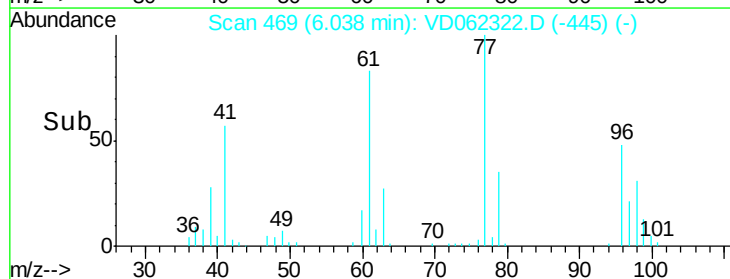


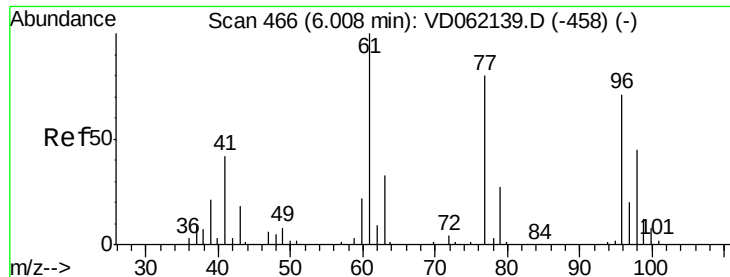
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



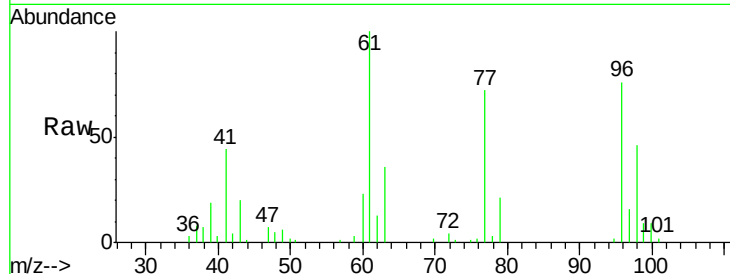


#27

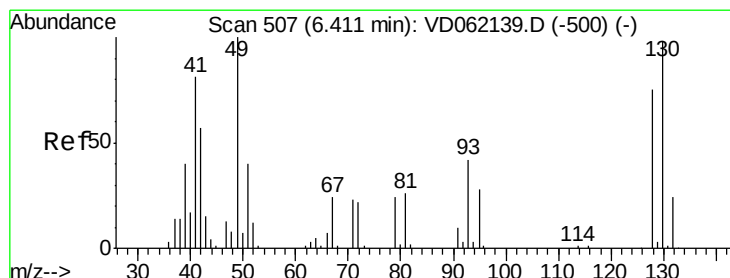
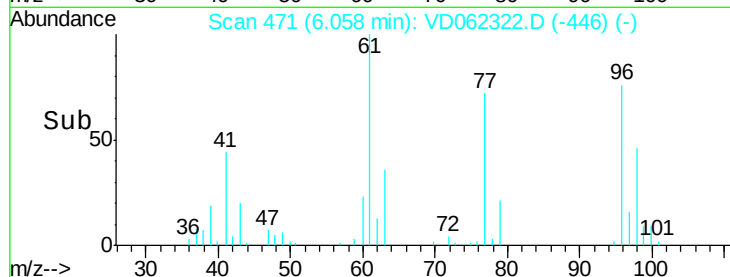
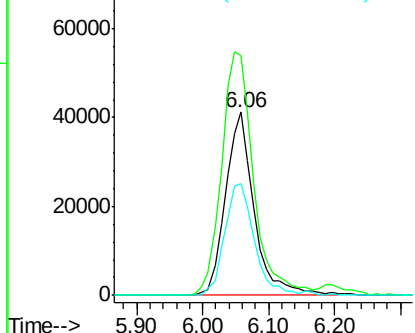
cis-1,2-Dichloroethene
 Concen: 22.499 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.05 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.9	0.0	279.8
98	60.8	0.0	136.0



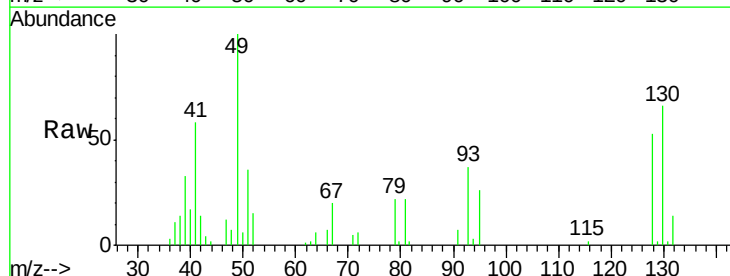
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



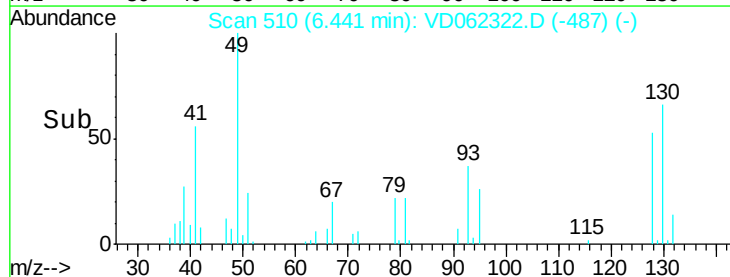
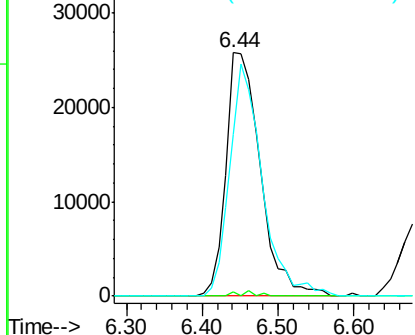
#28

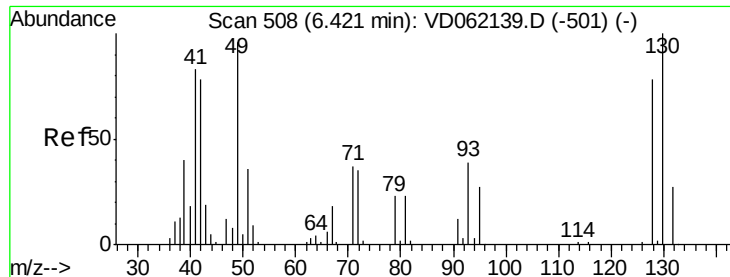
Bromochloromethane
 Concen: 24.706 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. 0.03 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	6.6
130	66.5	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: 106.005 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.05 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

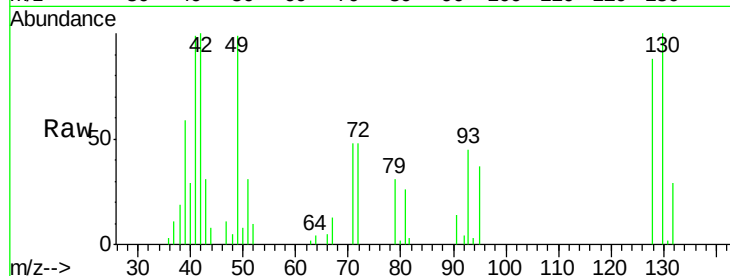
Tot Ion: 42 Resp: 60675

Ion Ratio Lower Upper

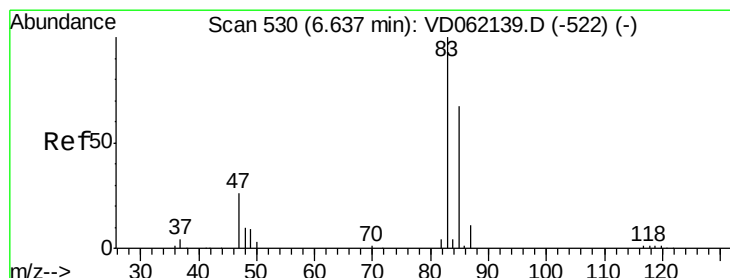
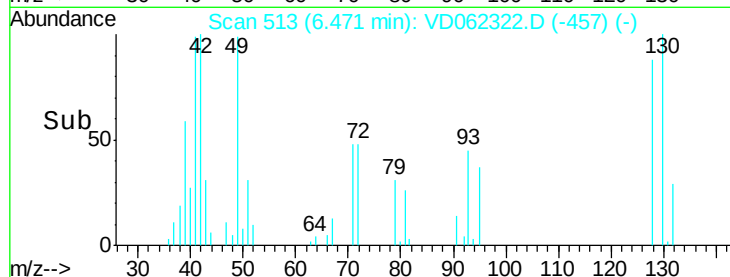
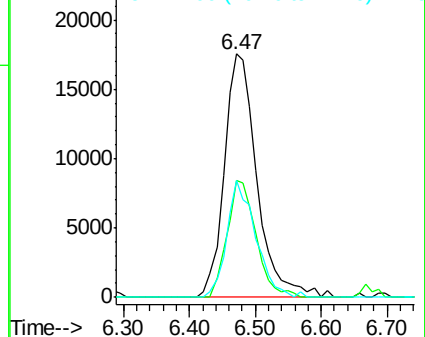
42 100

72 42.8 37.8 56.6

71 42.6 36.7 55.1



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



#30

Chloroform

Concen: 24.338 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.04 min

Lab File: VD062322.D

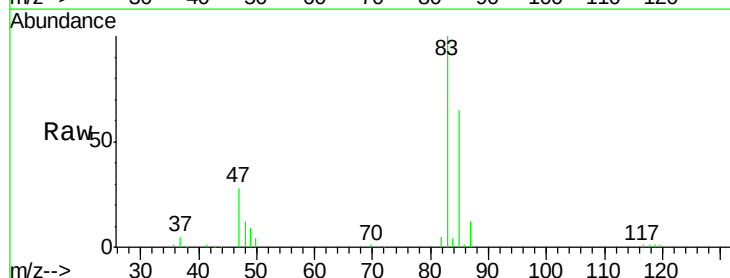
Acq: 14 May 2019 00:39

Tgt Ion: 83 Resp: 243955

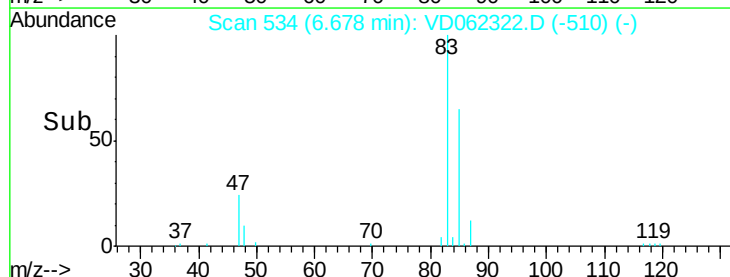
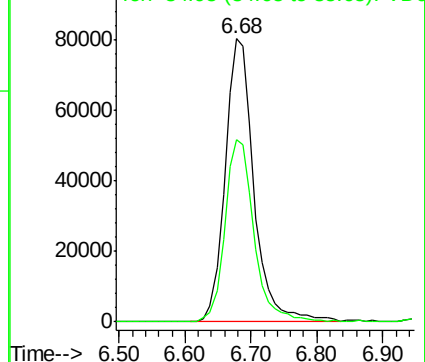
Ion Ratio Lower Upper

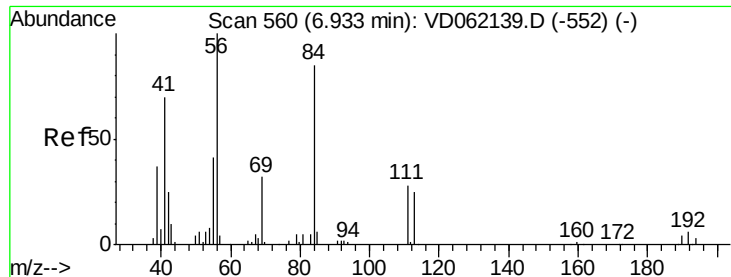
83 100

85 64.6 51.7 77.5



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

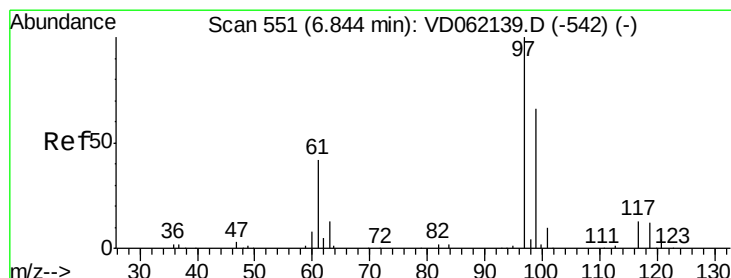
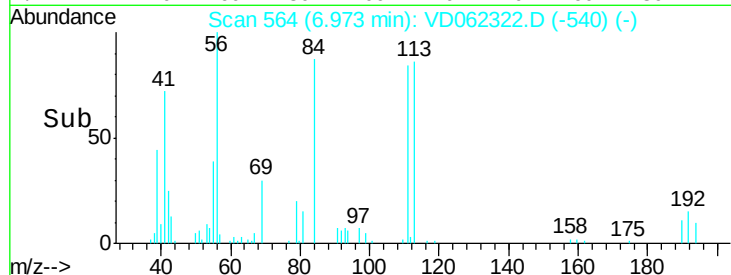
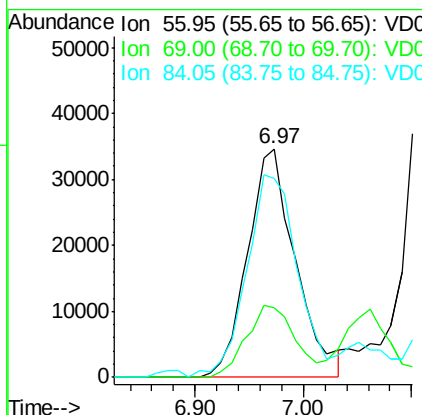
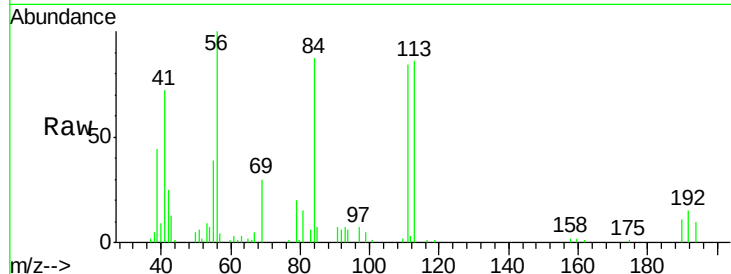




#31
Cyclohexane
Concen: 18.694 ug/l
RT: 6.97 min Scan# 564
Delta R.T. 0.04 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

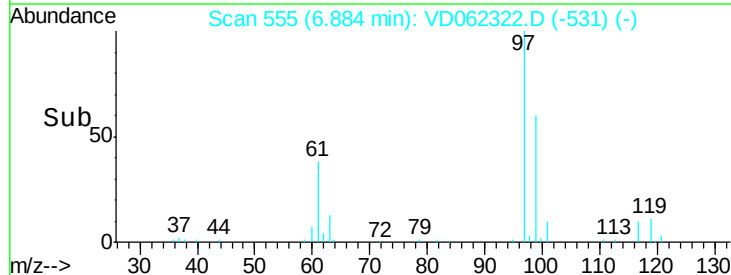
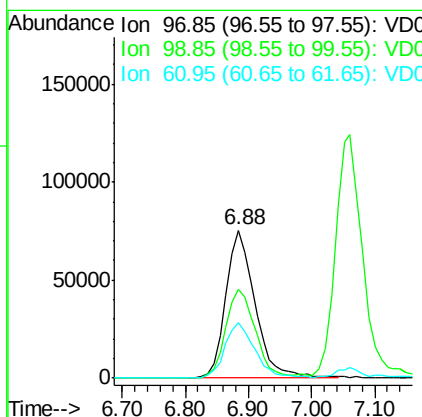
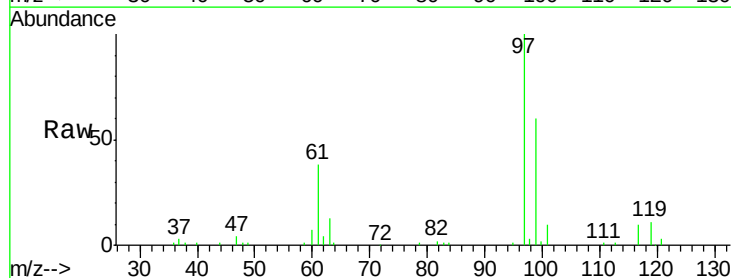
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

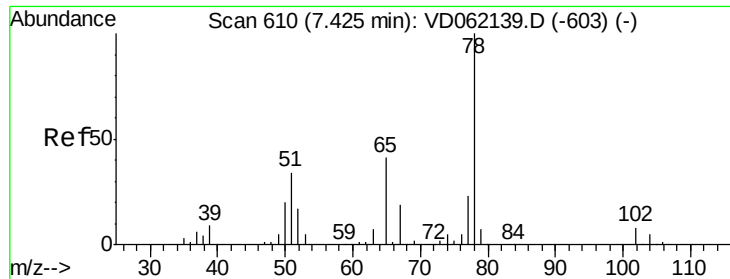
Tot Ion: 56 Resp: 106516
Ion Ratio Lower Upper
56 100
69 30.2 25.8 38.6
84 87.0 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 25.496 ug/l
RT: 6.88 min Scan# 555
Delta R.T. 0.04 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Tgt Ion: 97 Resp: 241549
Ion Ratio Lower Upper
97 100
99 60.4 52.2 78.2
61 37.7 32.4 48.6

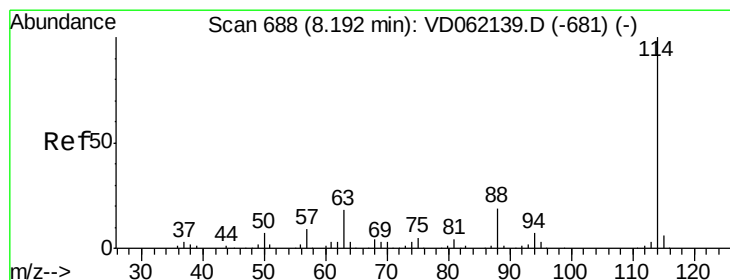
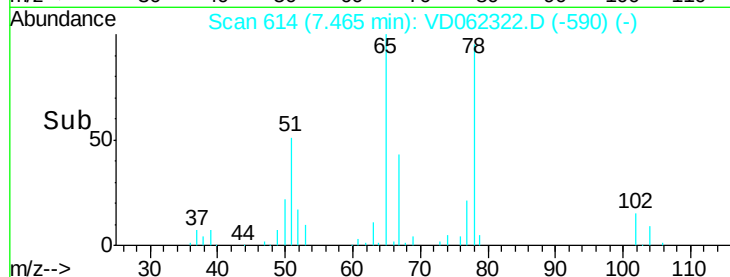
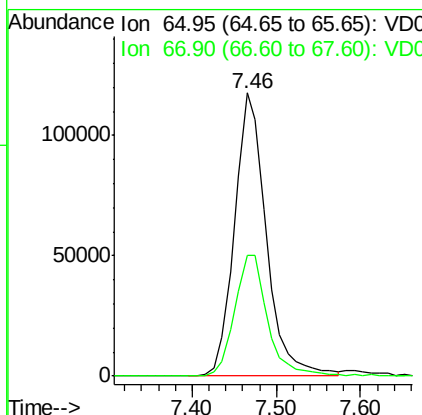
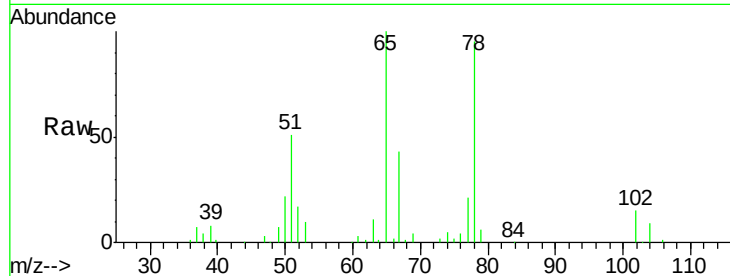




#33
 1,2-Dichloroethane-d4
 Concen: 56.877 ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

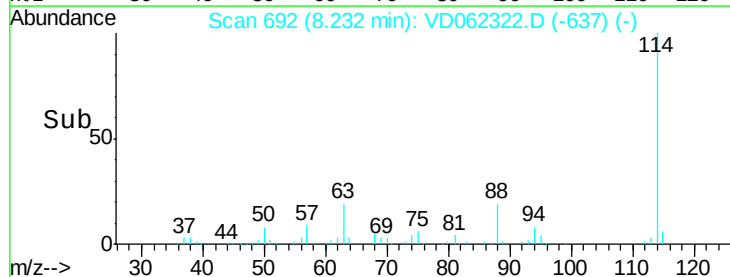
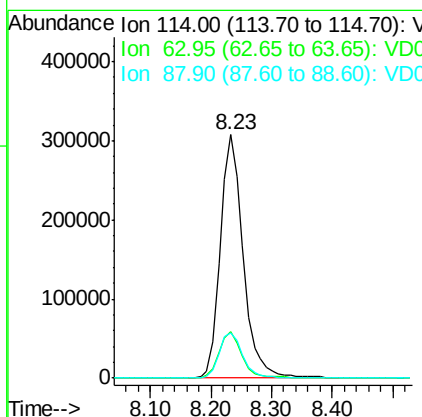
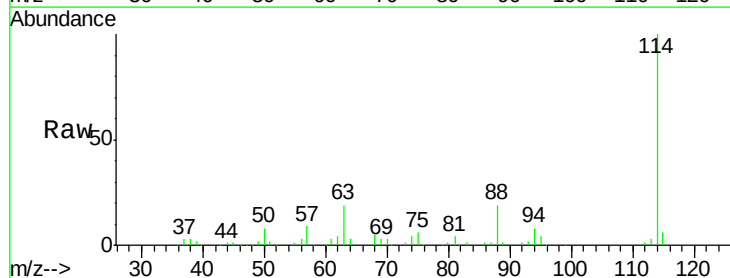
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

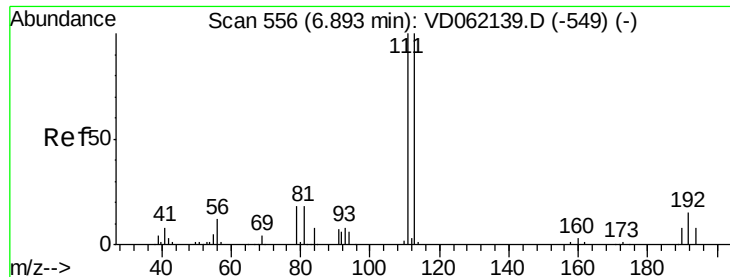
Tot Ion: 65 Resp: 308885
 Ion Ratio Lower Upper
 65 100
 67 42.5 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

Tgt Ion: 114 Resp: 806979
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 32.4
 88 18.7 0.0 33.6

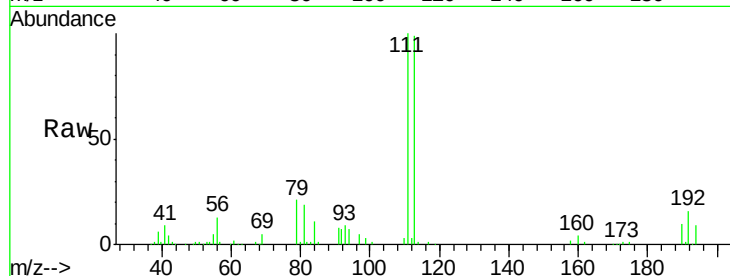




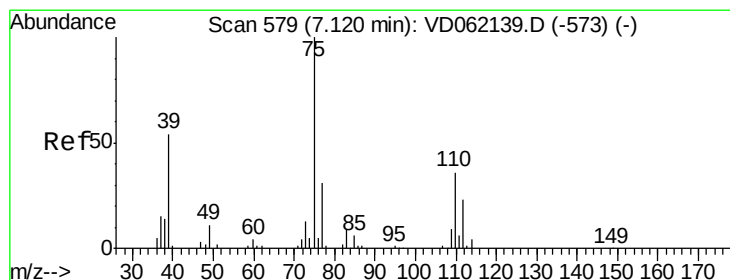
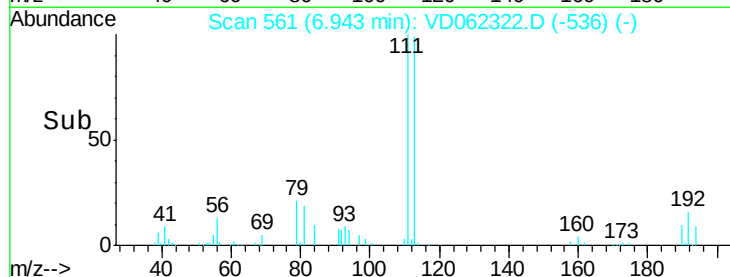
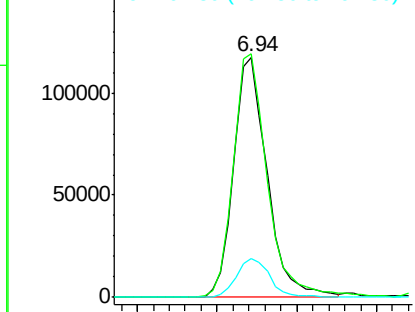
#35
Dibromofluoromethane
Concen: 51.427 ug/l
RT: 6.94 min Scan# 561
Delta R.T. 0.05 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

Tot Ion:113 Resp: 344337
Ion Ratio Lower Upper
113 100
111 101.4 78.5 117.7
192 16.4 13.0 19.4

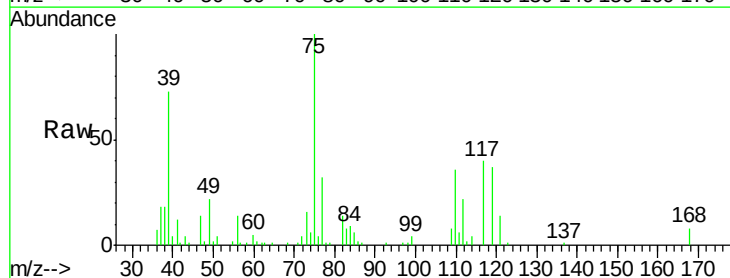


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

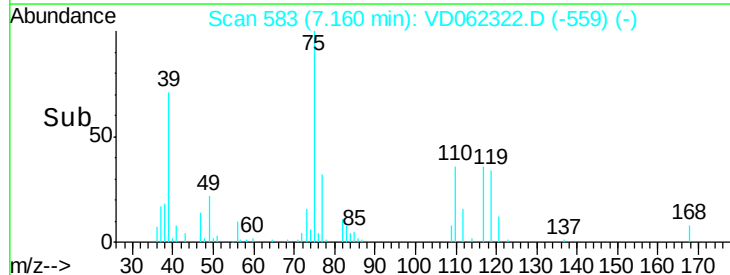
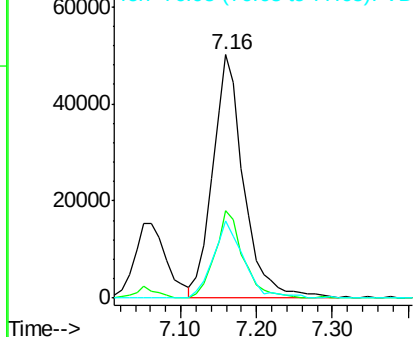


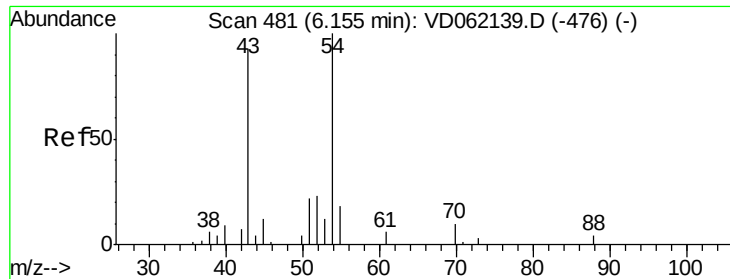
#36
1,1-Dichloropropene
Concen: 21.576 ug/l
RT: 7.16 min Scan# 583
Delta R.T. 0.04 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Tgt Ion: 75 Resp: 142757
Ion Ratio Lower Upper
75 100
110 35.9 19.1 57.1
77 31.5 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

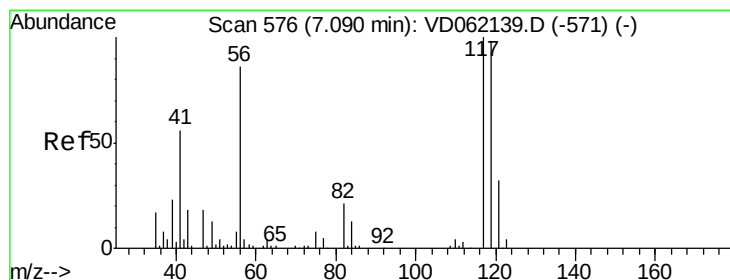
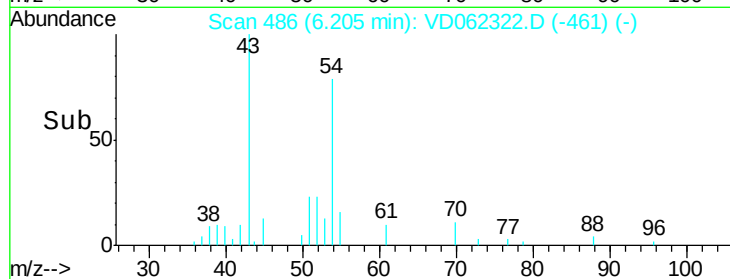
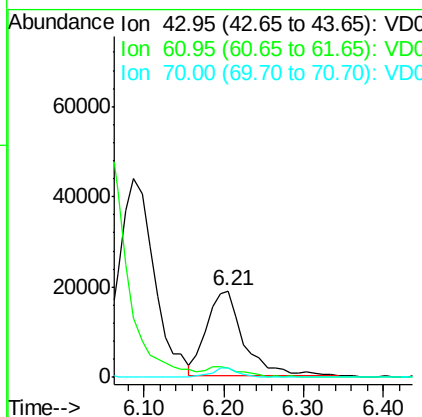
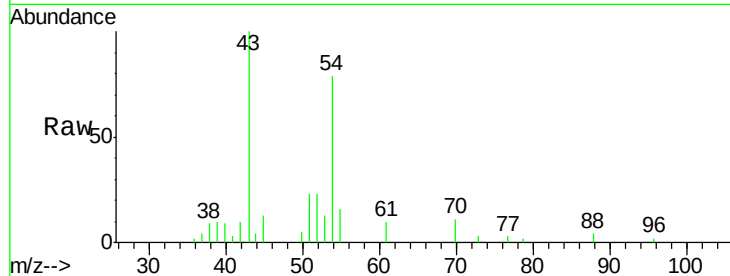




#37
Ethyl Acetate
Concen: 21.624 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.05 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

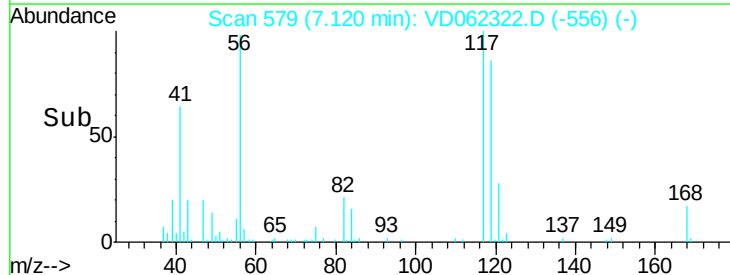
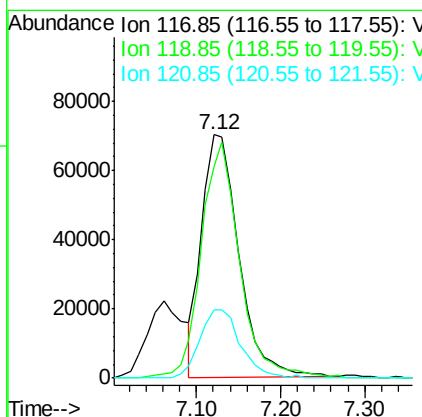
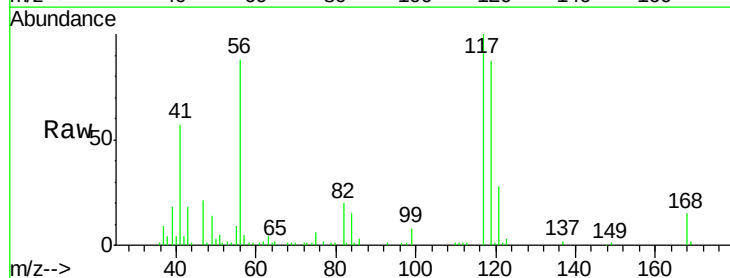
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

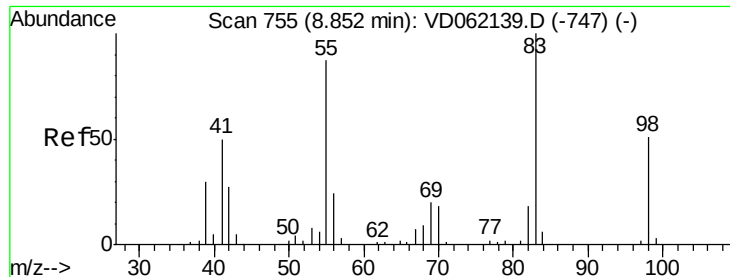
Tot Ion: 43 Resp: 60675
Ion Ratio Lower Upper
43 100
61 10.2 14.7 22.1#
70 11.0 7.8 11.6



#38
Carbon Tetrachloride
Concen: 23.470 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Tgt Ion: 117 Resp: 214935
Ion Ratio Lower Upper
117 100
119 87.2 75.8 113.8
121 28.1 25.9 38.9

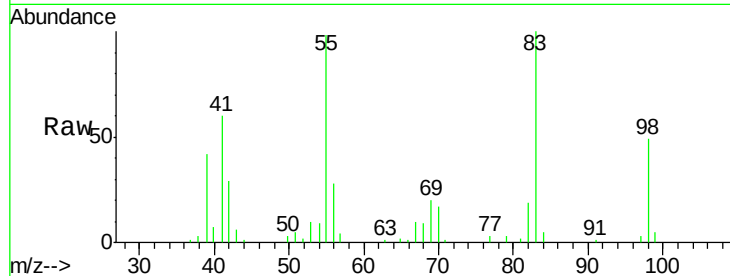




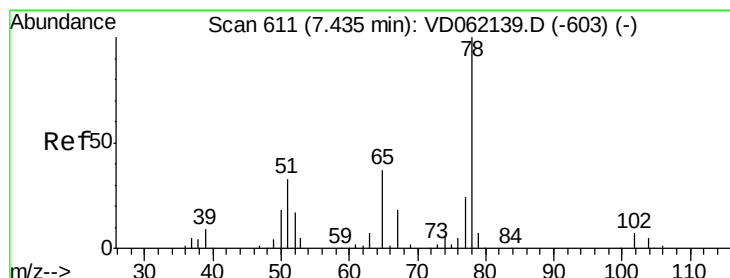
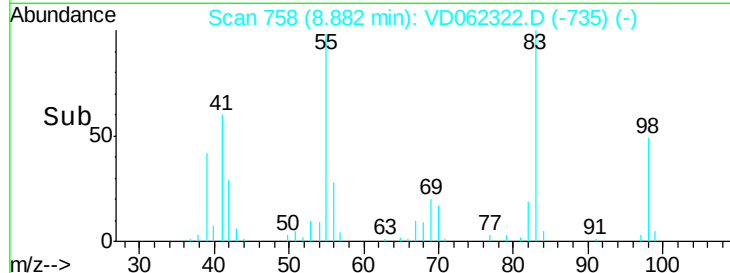
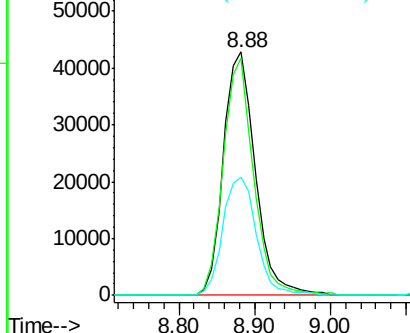
#39
Methylvlcyclohexane
Concen: 19.714 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

Tot Ion: 83 Resp: 124977
Ion Ratio Lower Upper
83 100
55 97.7 68.2 102.4
98 48.6 38.2 57.4

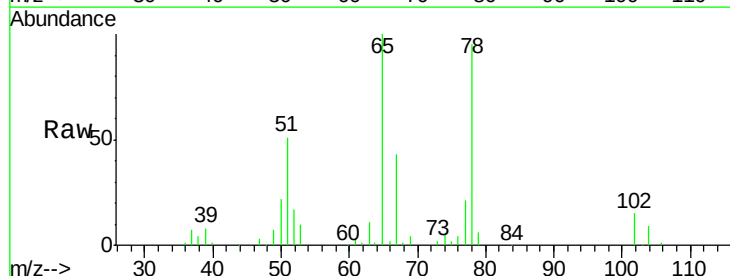


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

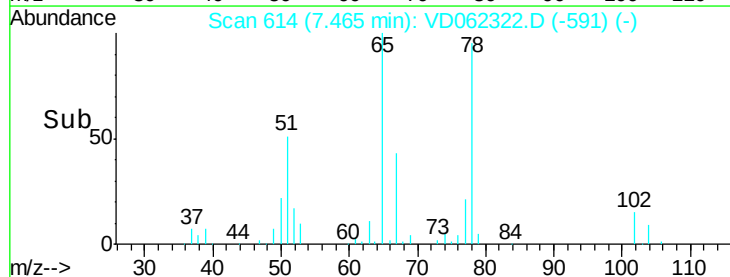
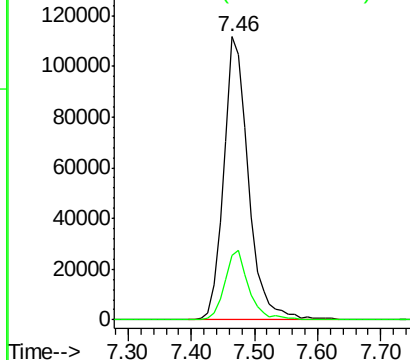


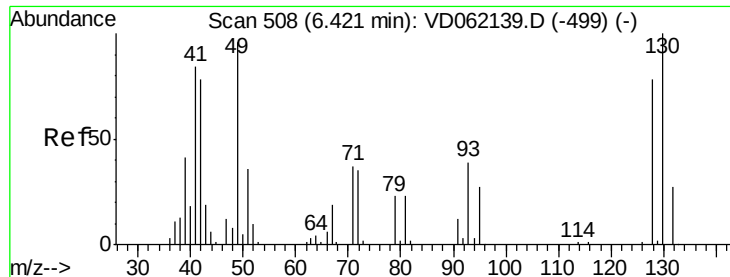
#40
Benzene
Concen: 20.303 ug/l
RT: 7.46 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Tgt Ion: 78 Resp: 303336
Ion Ratio Lower Upper
78 100
77 22.6 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

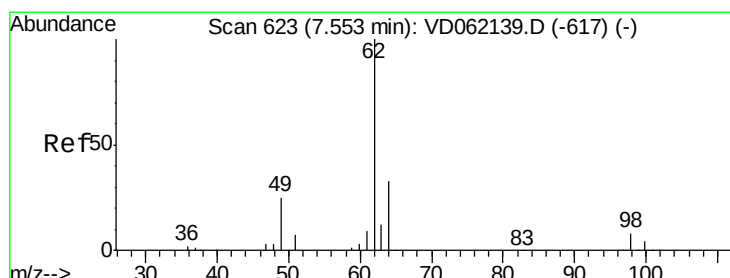
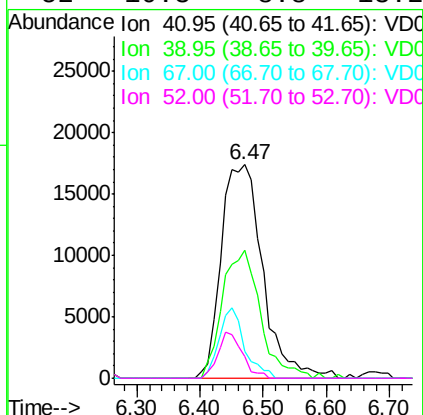
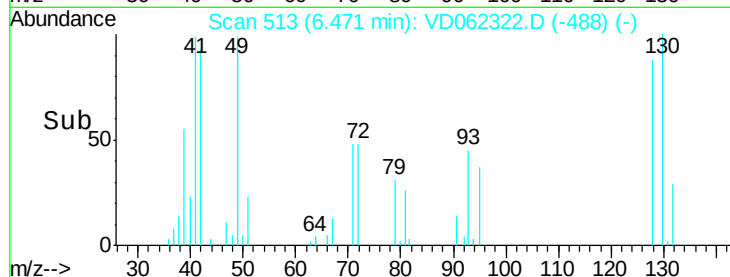
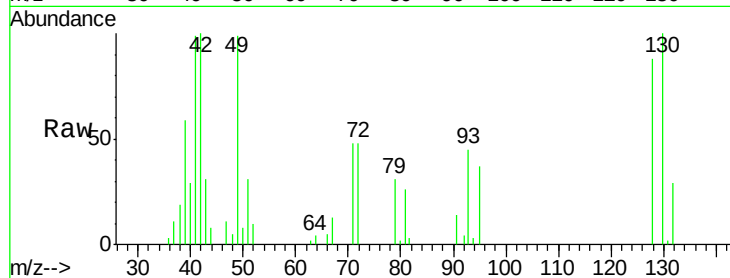




#41
Methacrylonitrile
Concen: 23.095 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

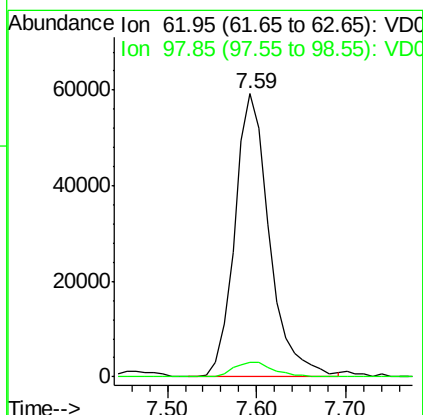
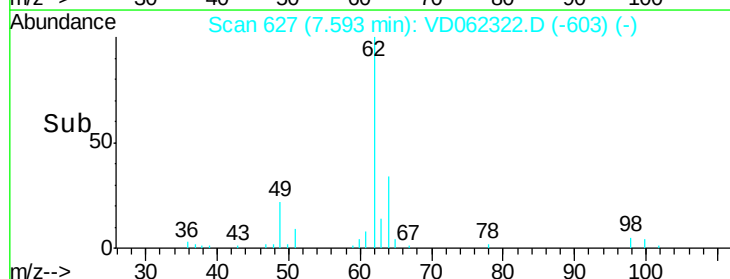
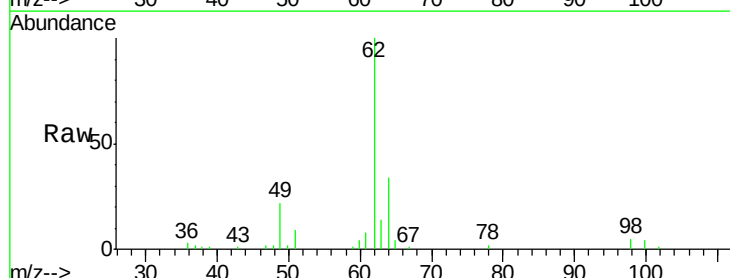
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

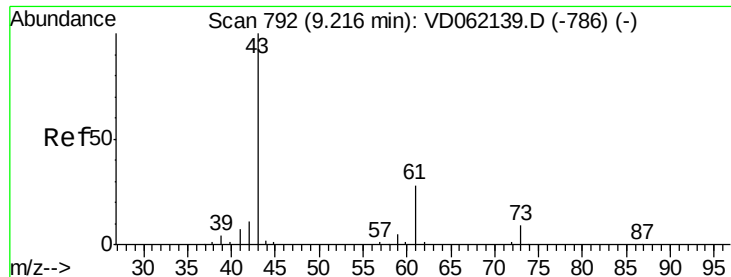
Tot Ion: 41 Resp: 79192
Ion Ratio Lower Upper
41 100
39 59.8 34.1 51.1#
67 12.6 23.8 35.6#
52 10.3 8.8 13.2



#42
1,2-Dichloroethane
Concen: 25.347 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.04 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Tgt Ion: 62 Resp: 160453
Ion Ratio Lower Upper
62 100
98 5.3 0.0 17.8





#43

Isopropyl Acetate

Concen: 20.259 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.04 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

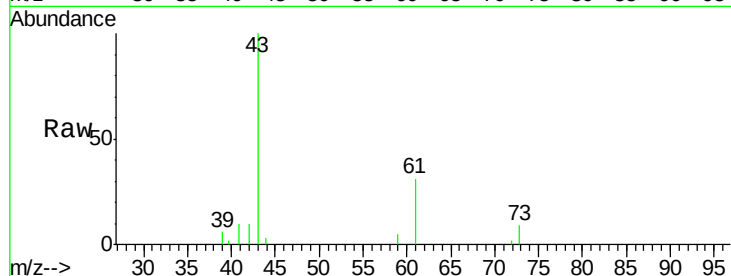
Tot Ion: 43 Resp: 80622

Ion Ratio Lower Upper

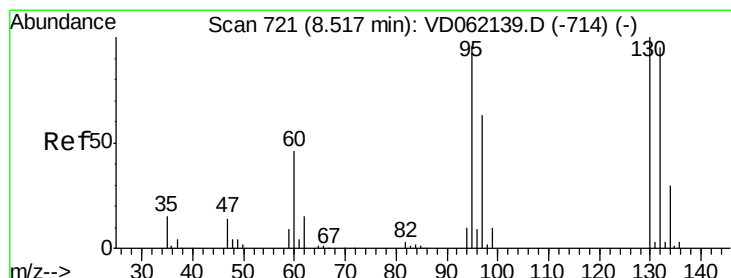
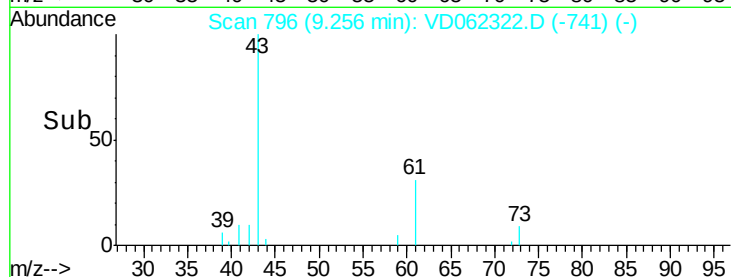
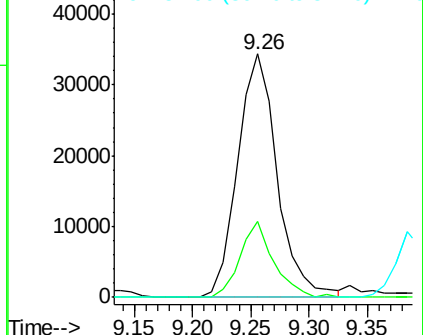
43 100

61 31.1 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: 20.297 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.04 min

Lab File: VD062322.D

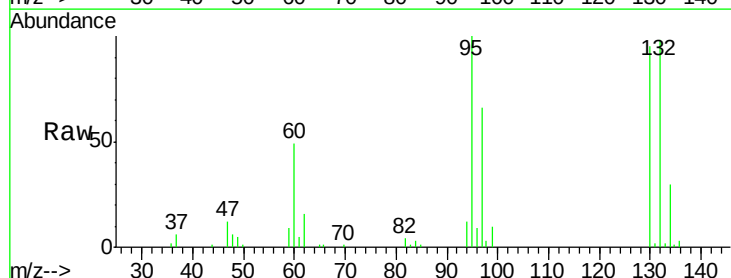
Acq: 14 May 2019 00:39

Tgt Ion:130 Resp: 115555

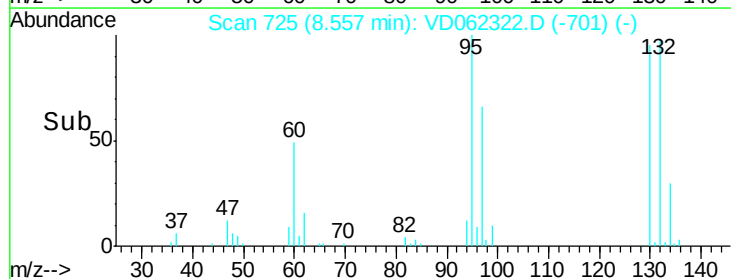
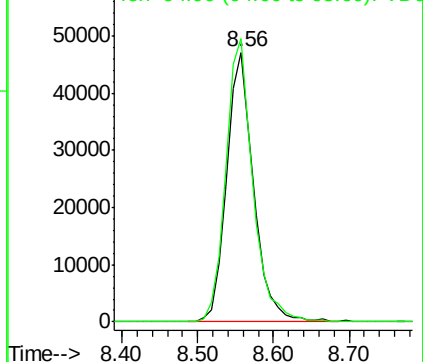
Ion Ratio Lower Upper

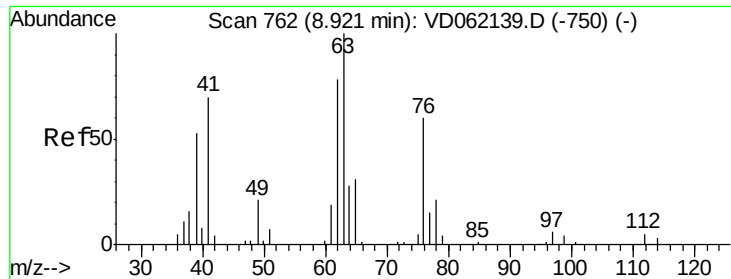
130 100

95 105.1 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: 19.971 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

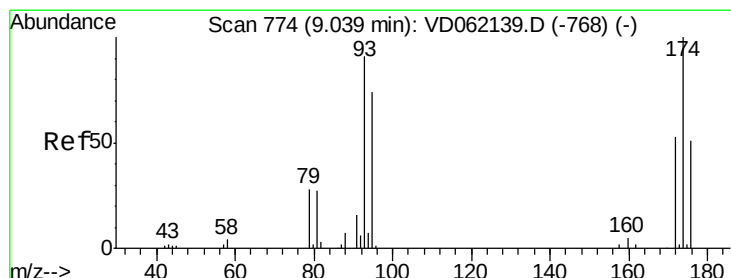
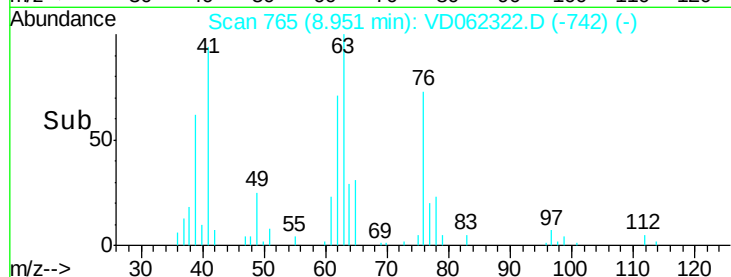
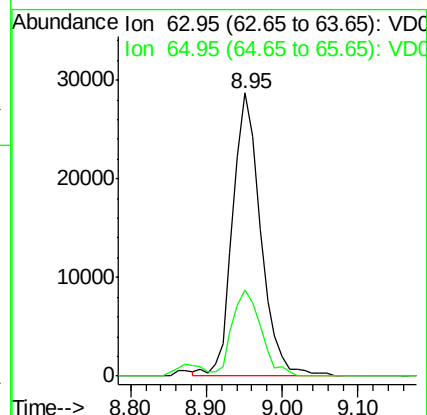
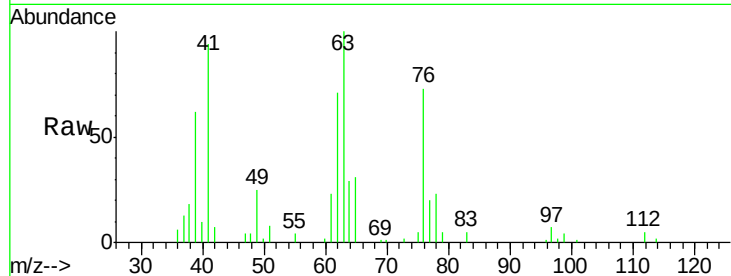
VD0513SBS02

Tot Ion: 63 Resp: 73806

Ion Ratio Lower Upper

63 100

65 30.6 23.8 35.6



#46

Dibromomethane

Concen: 22.177 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.04 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

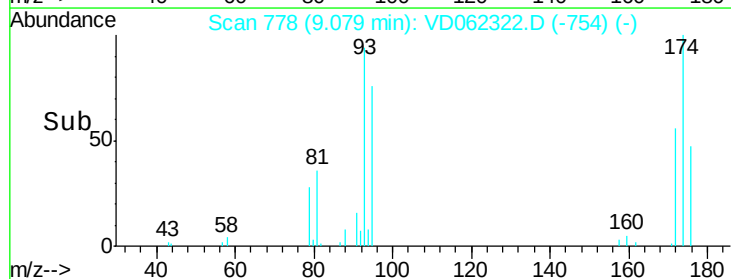
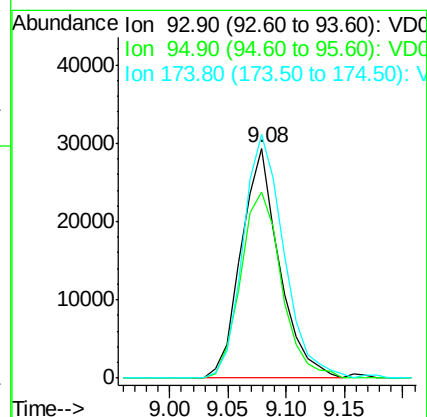
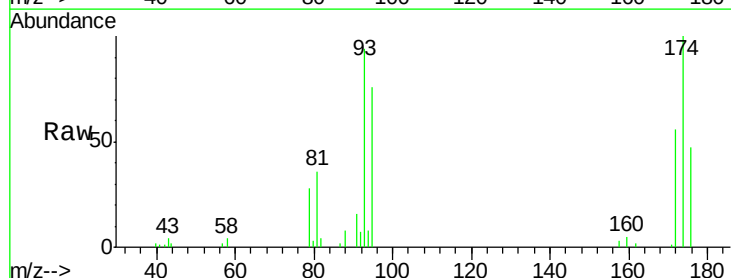
Tgt Ion: 93 Resp: 66648

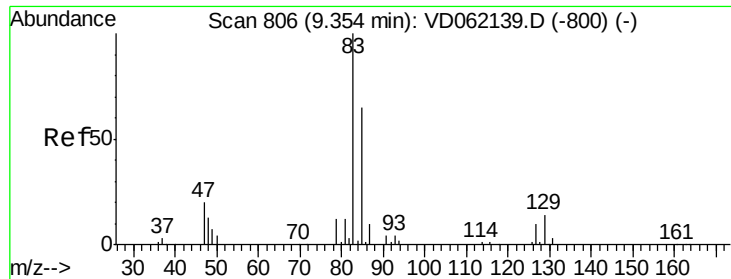
Ion Ratio Lower Upper

93 100

95 80.8 64.8 97.2

174 105.9 79.3 118.9





#47

Bromodichloromethane

Concen: 24.771 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

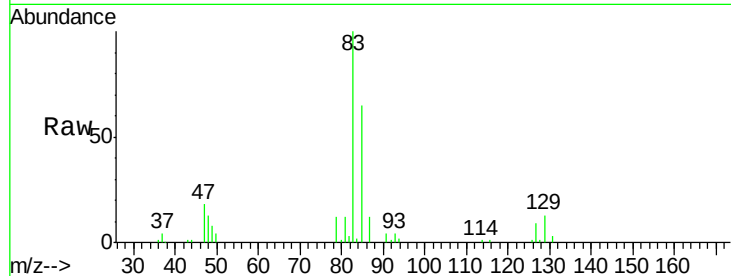
Tot Ion: 83 Resp: 182092

Ion Ratio Lower Upper

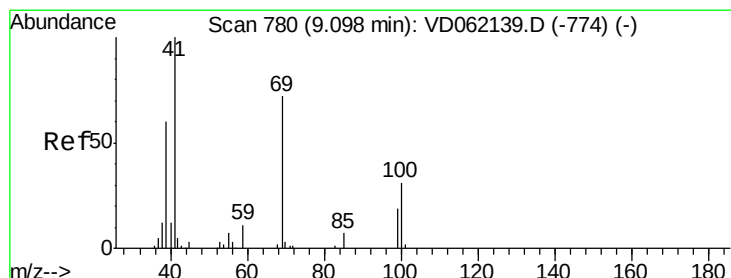
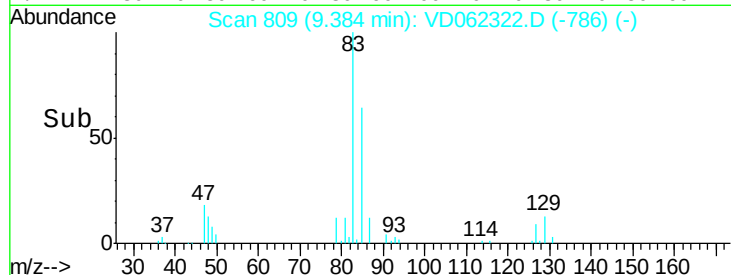
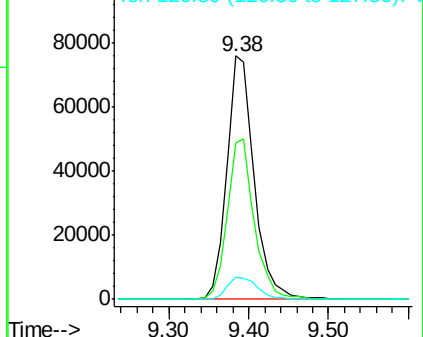
83 100

85 64.5 50.9 76.3

127 9.2 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: 24.428 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.04 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

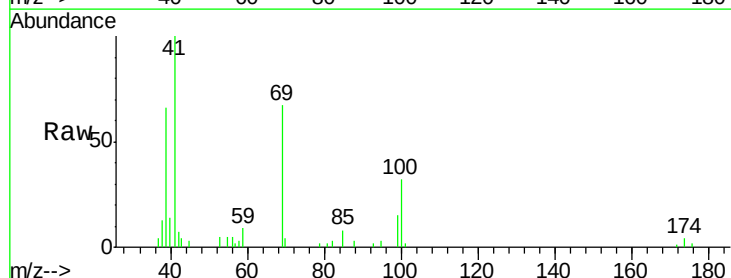
Tgt Ion: 41 Resp: 59877

Ion Ratio Lower Upper

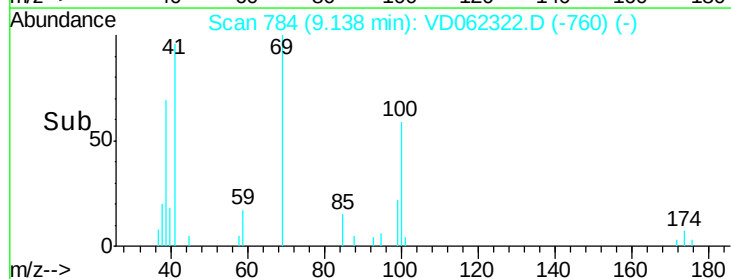
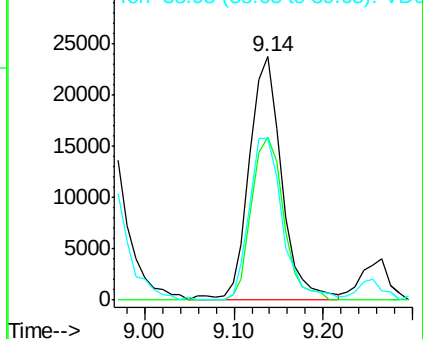
41 100

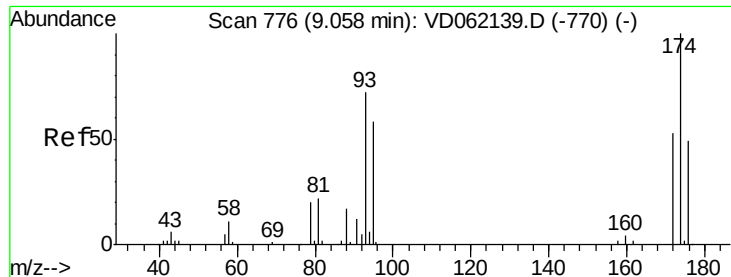
69 66.9 64.2 96.2

39 66.4 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

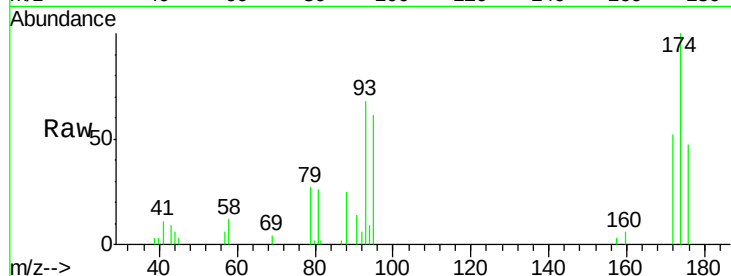




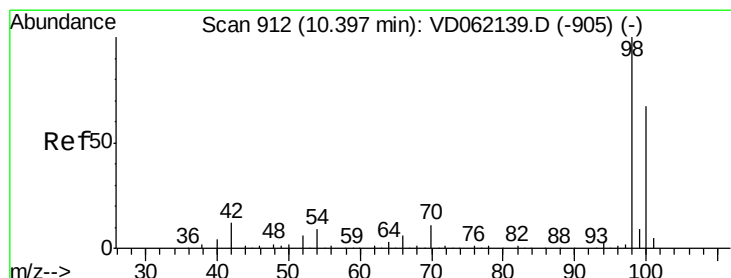
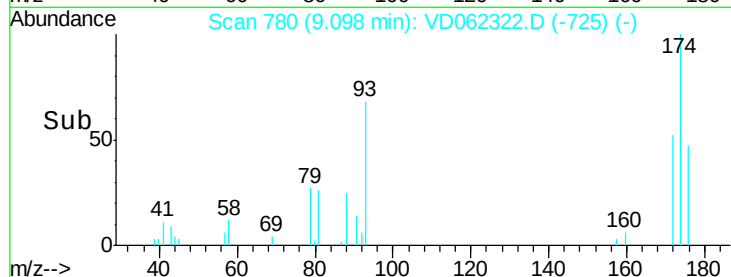
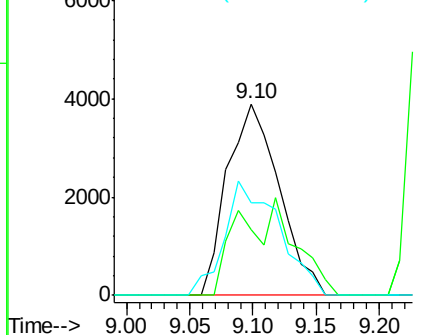
#49
1,4-Dioxane
Concen: 419.932 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.04 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

Tot Ion: 88 Resp: 11106
Ion Ratio Lower Upper
88 100
43 34.5 23.4 35.0
58 48.1 44.0 66.0

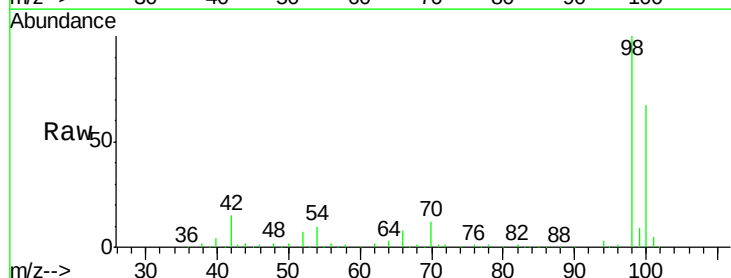


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

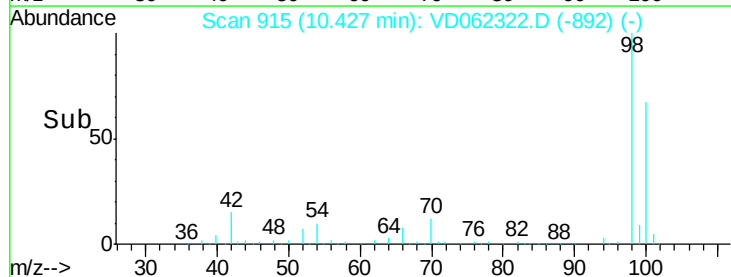
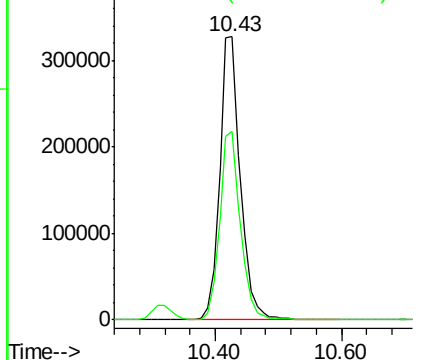


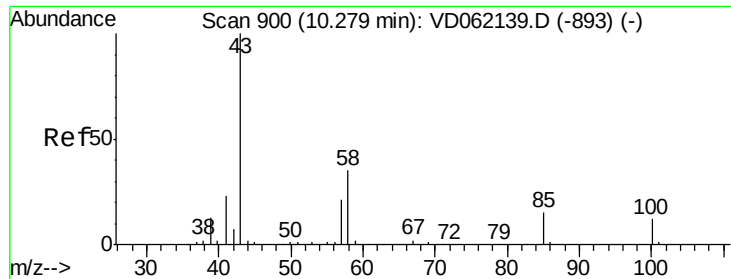
#50
Toluene-d8
Concen: 46.286 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Tgt Ion: 98 Resp: 747223
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 123.320 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.04 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

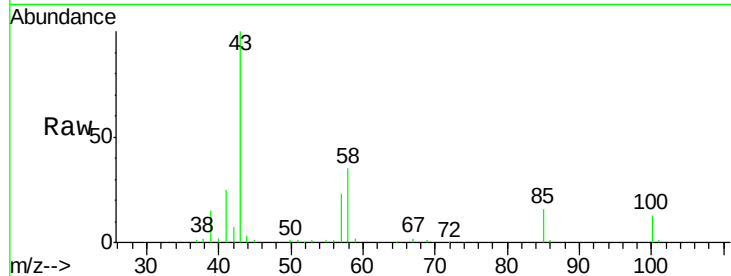
VD0513SBS02

Tot Ion: 43 Resp: 315457

Ion Ratio Lower Upper

43 100

58 34.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

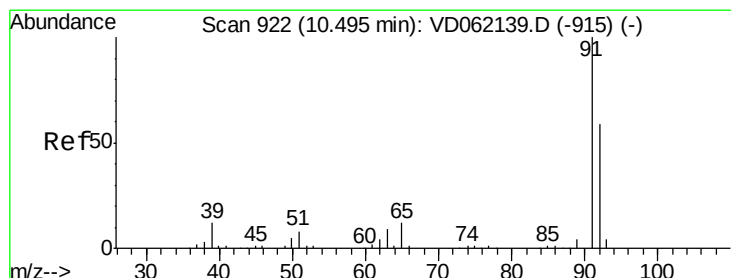
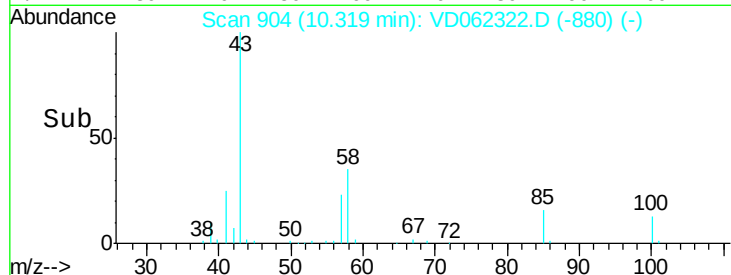
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.439 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD062322.D

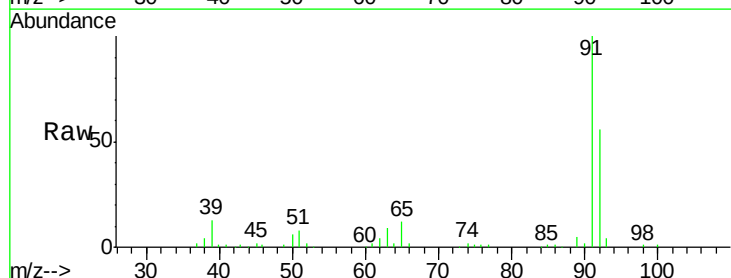
Acq: 14 May 2019 00:39

Tgt Ion: 92 Resp: 208411

Ion Ratio Lower Upper

92 100

91 179.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.53

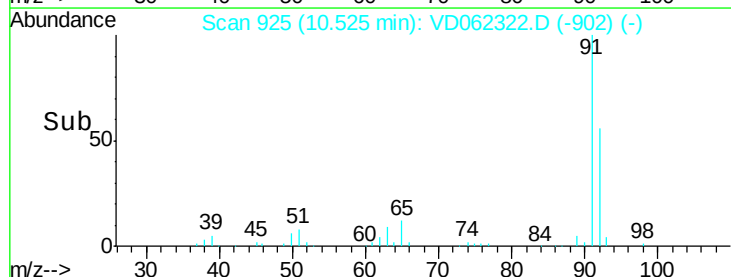
150000

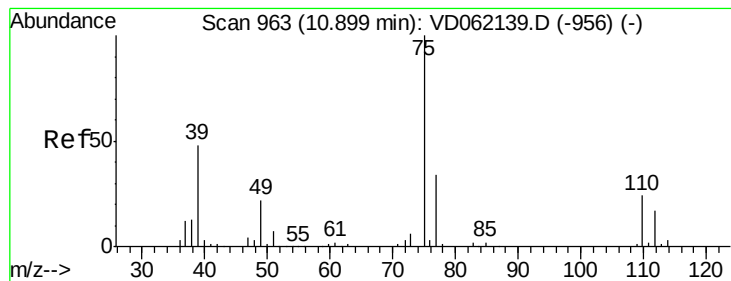
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.784 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.03 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

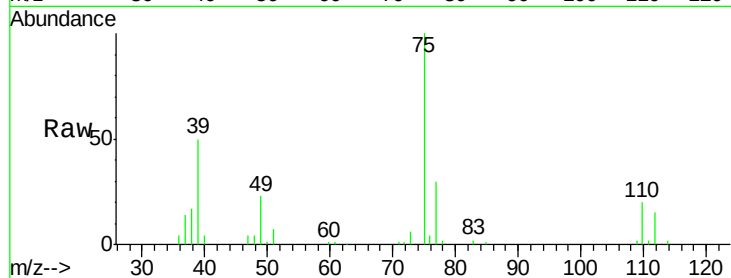
VD0513SBS02

Tot Ion: 75 Resp: 138401

Ion Ratio Lower Upper

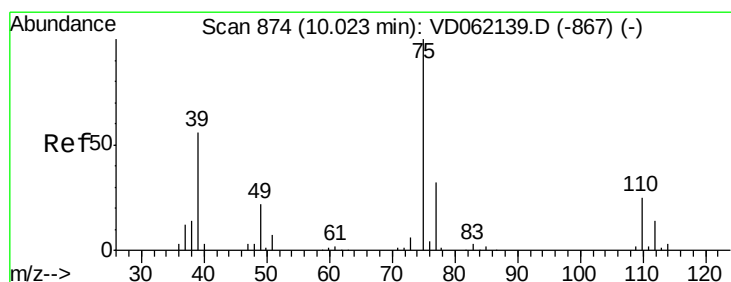
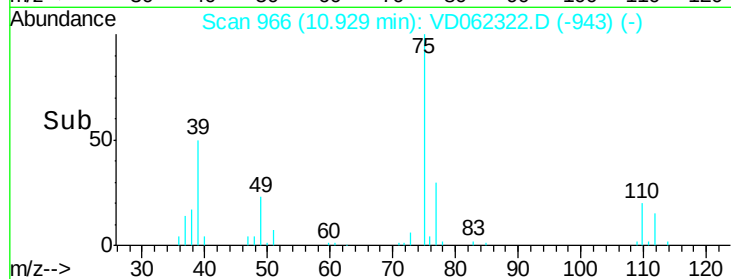
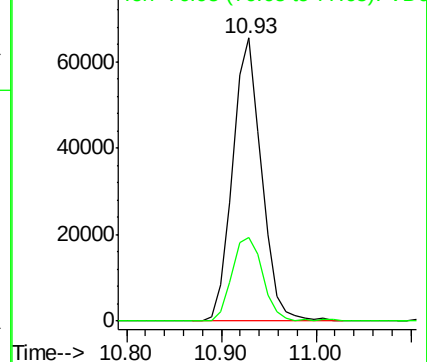
75 100

77 29.5 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.557 ug/l

RT: 10.05 min Scan# 877

Delta R.T. 0.03 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

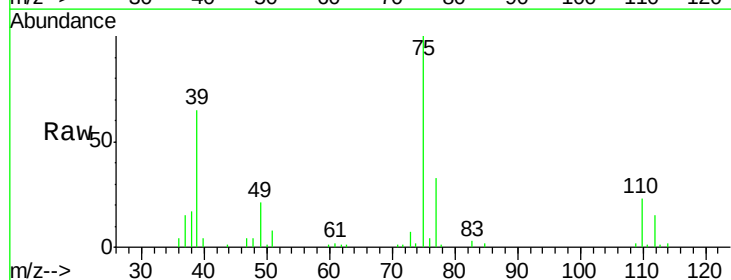
Tgt Ion: 75 Resp: 156341

Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3

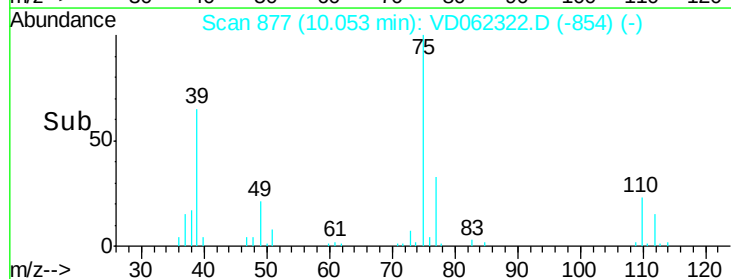
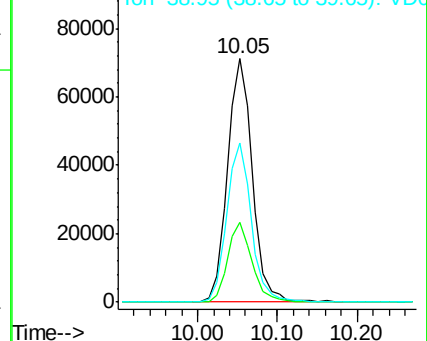
39 65.4 39.4 59.2#

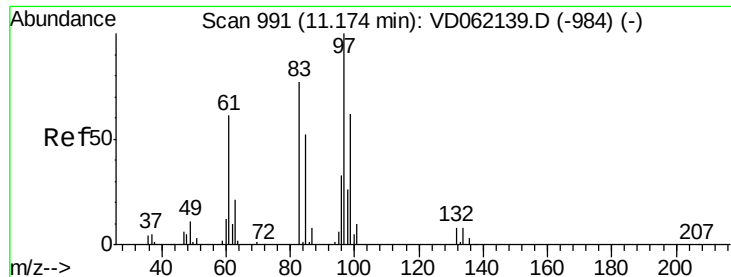


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

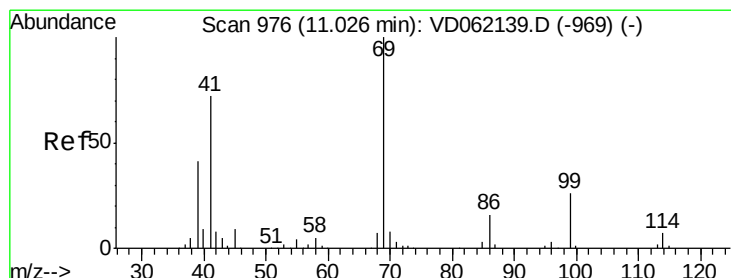
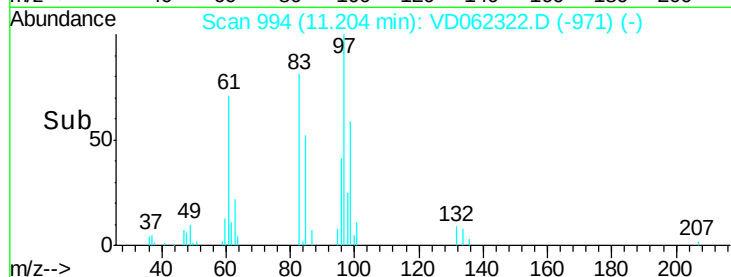
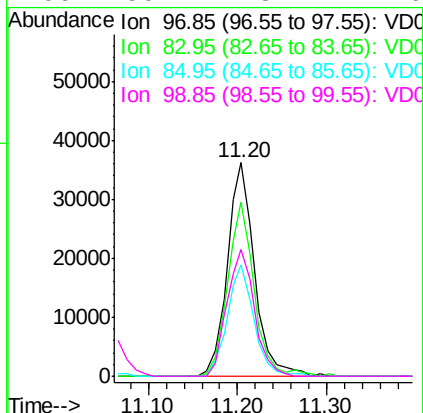
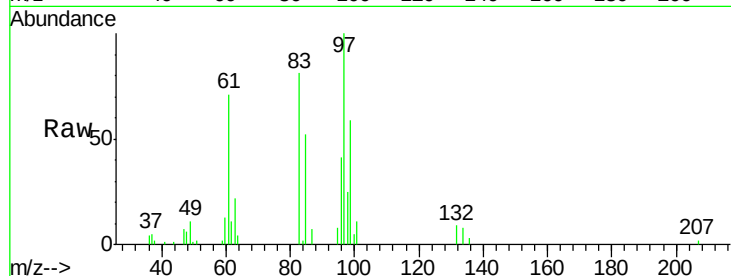




#55
 1,1,2-Trichloroethane
 Concen: 22.484 ug/l
 RT: 11.20 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

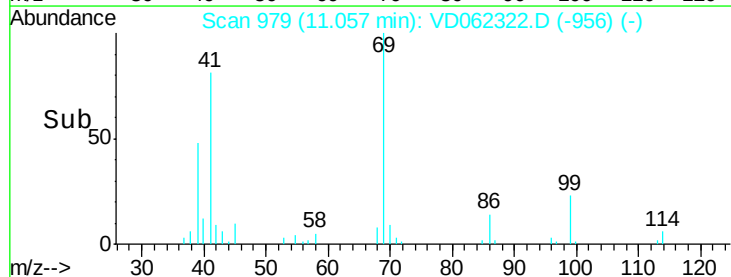
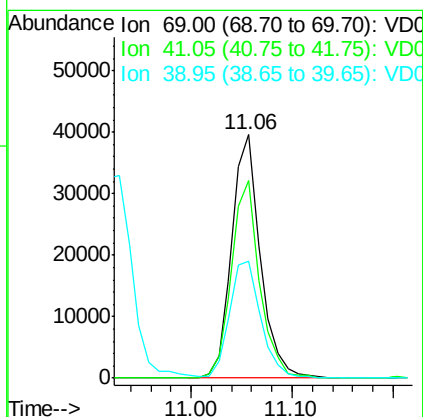
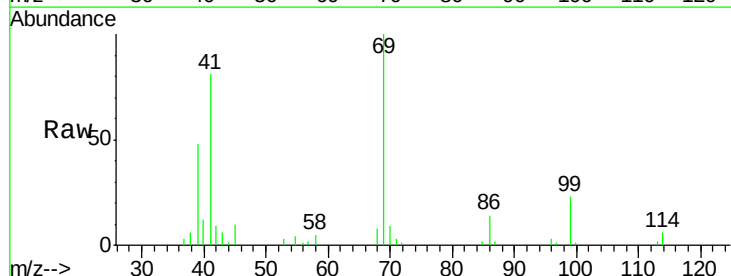
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

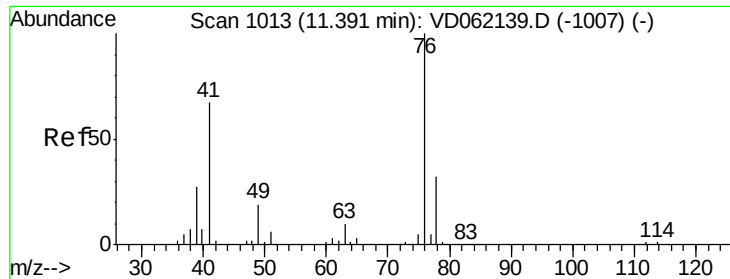
Tot Ion:	97	Resp:	77336
Ion	Ratio	Lower	Upper
97	100		
83	81.4	65.7	98.5
85	51.9	45.6	68.4
99	59.4	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 21.790 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.03 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

Tgt Ion:	69	Resp:	77882
Ion	Ratio	Lower	Upper
69	100		
41	81.1	56.3	84.5
39	48.1	29.4	44.2#

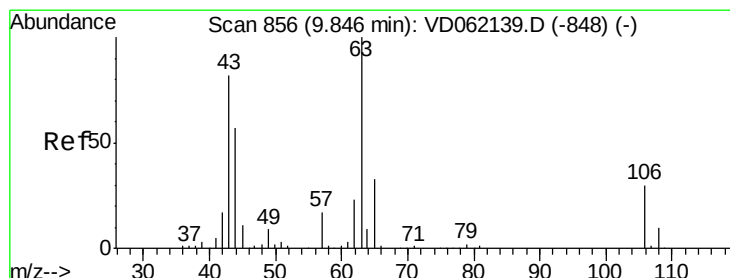
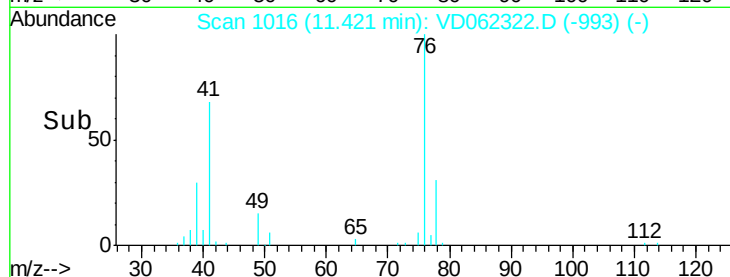
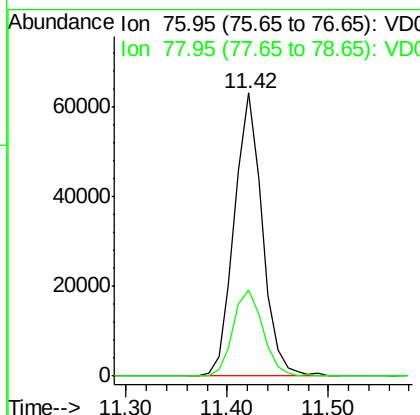
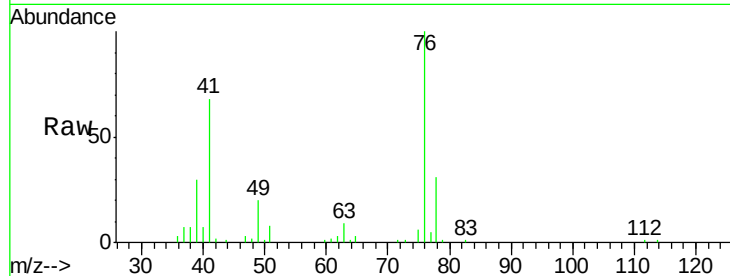




#57
 1,3-Dichloropropane
 Concen: 23.297 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

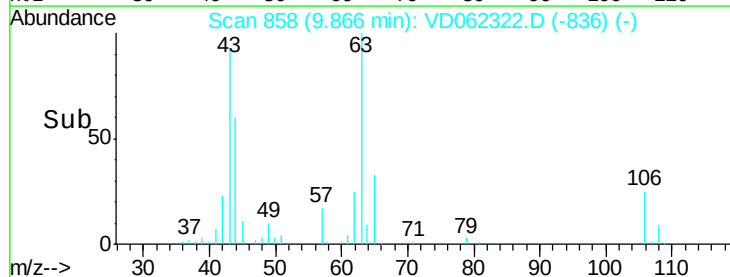
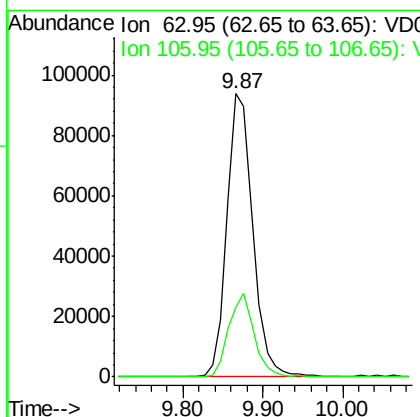
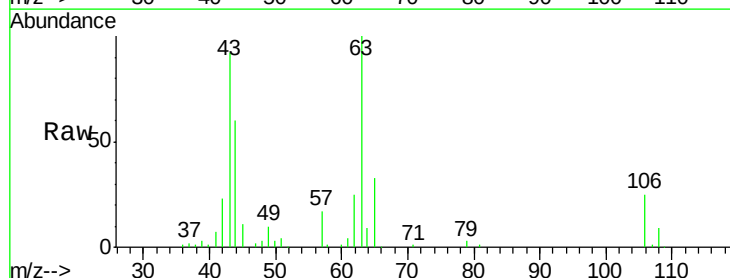
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

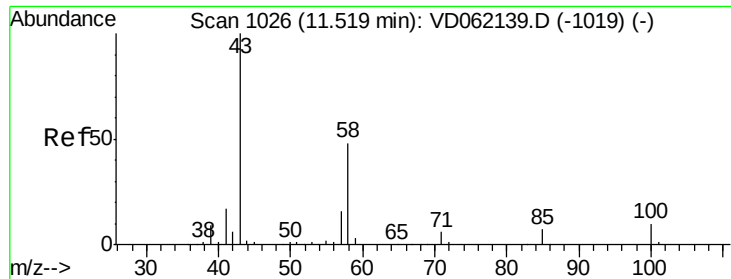
Tot Ion: 76 Resp: 121059
 Ion Ratio Lower Upper
 76 100
 78 30.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.108 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

Tgt Ion: 63 Resp: 214969
 Ion Ratio Lower Upper
 63 100
 106 24.6 22.6 34.0

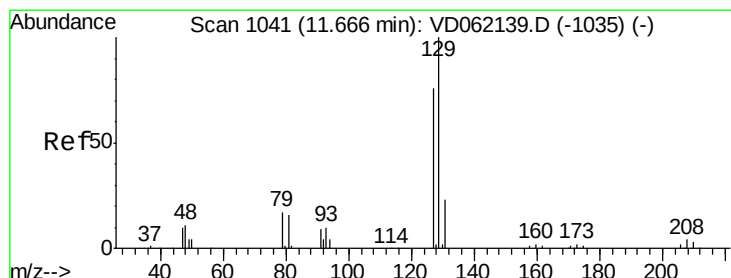
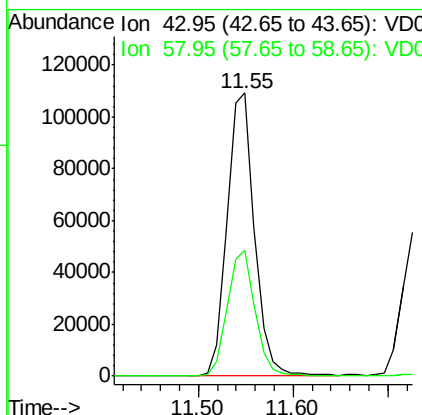
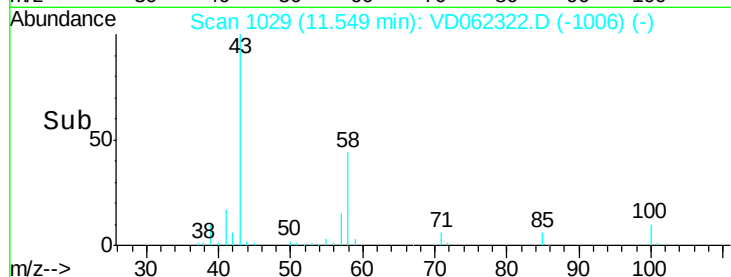
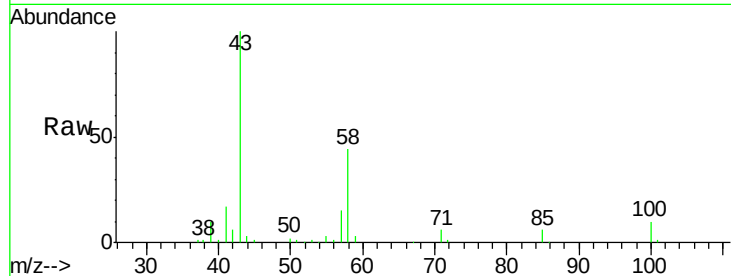




#59
2-Hexanone
Concen: 115.702 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

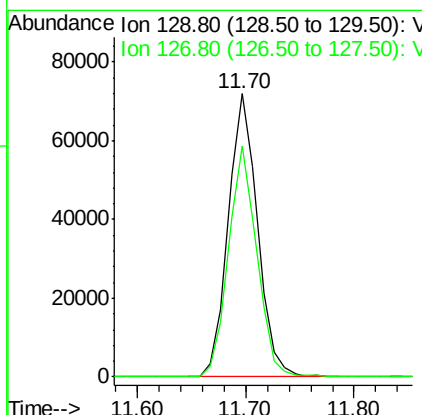
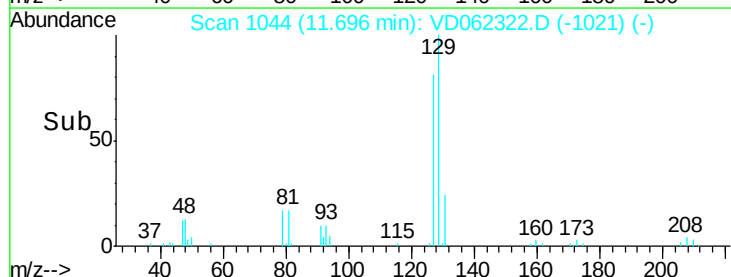
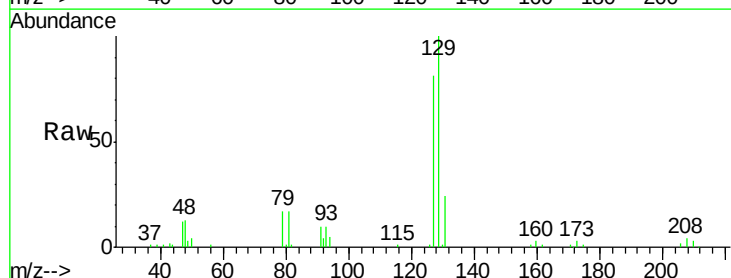
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

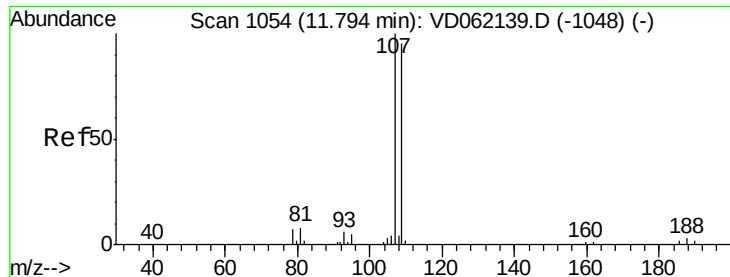
Tot Ion: 43 Resp: 218141
Ion Ratio Lower Upper
43 100
58 44.3 25.4 76.4



#60
Dibromochloromethane
Concen: 22.674 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Tgt Ion: 129 Resp: 134779
Ion Ratio Lower Upper
129 100
127 81.5 38.0 113.9





#61

1,2-Dibromoethane

Concen: 21.969 ug/l

RT: 11.81 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

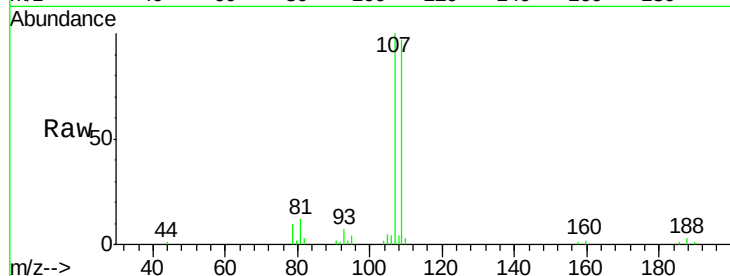
VD0513SBS02

Tot Ion:107 Resp: 91867

Ion Ratio Lower Upper

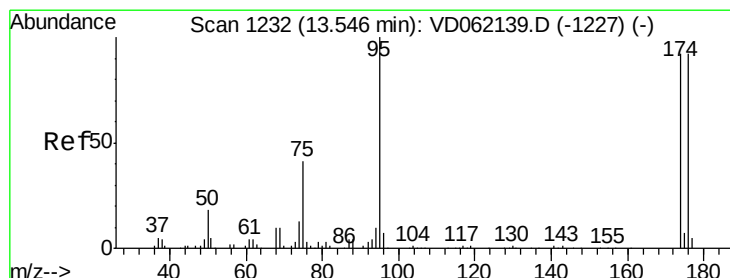
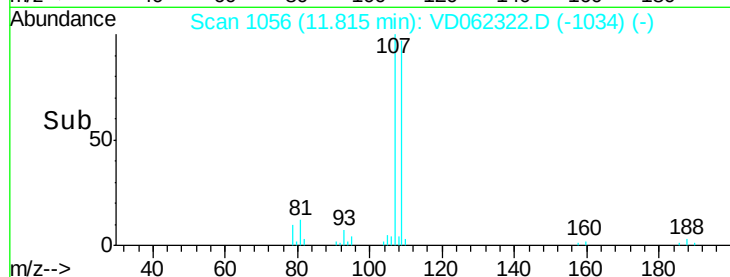
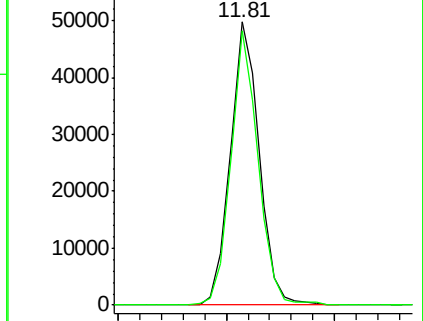
107 100

109 97.0 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 51.618 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

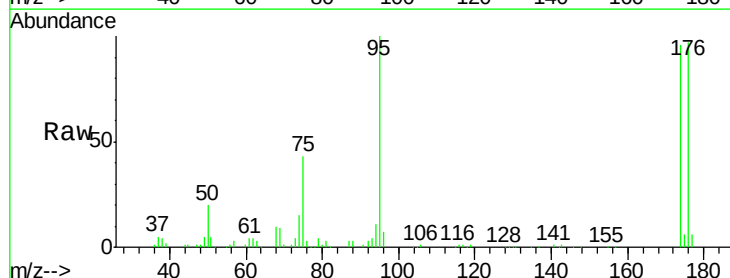
Tgt Ion: 95 Resp: 334622

Ion Ratio Lower Upper

95 100

174 95.9 0.0 181.8

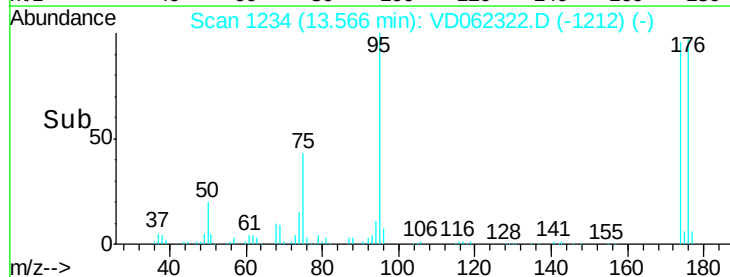
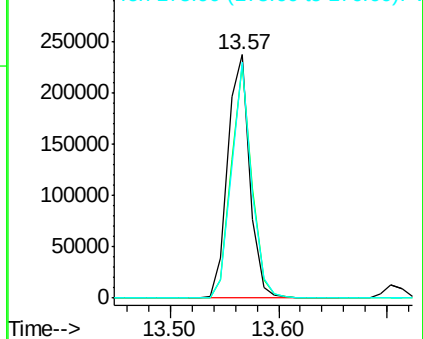
176 96.7 0.0 174.4

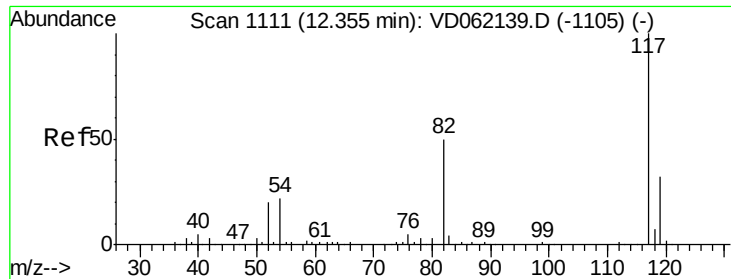


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

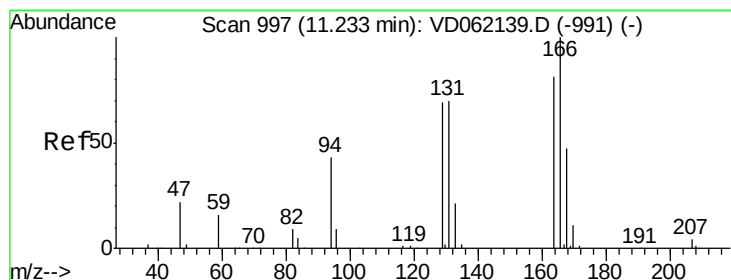
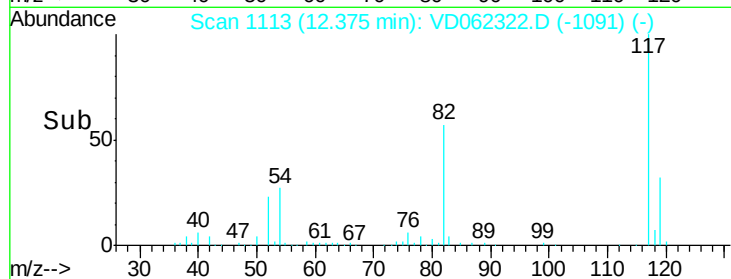
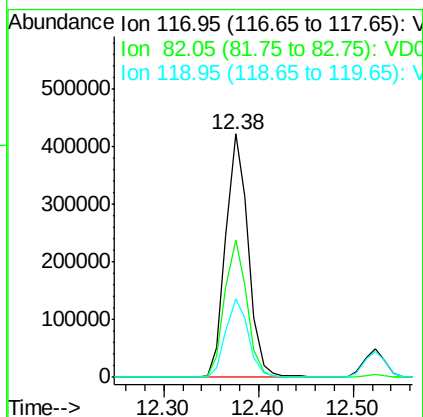
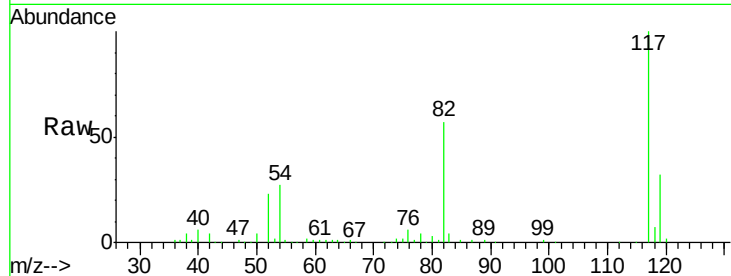




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

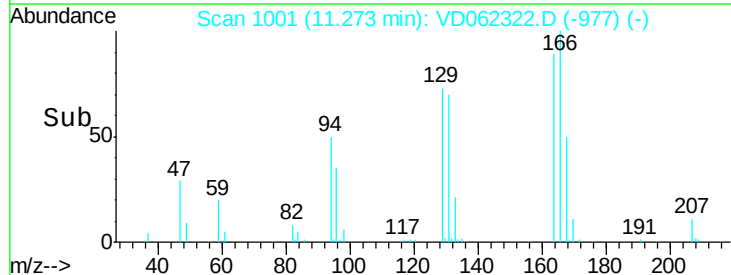
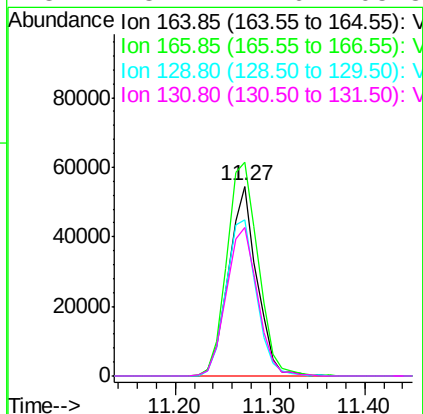
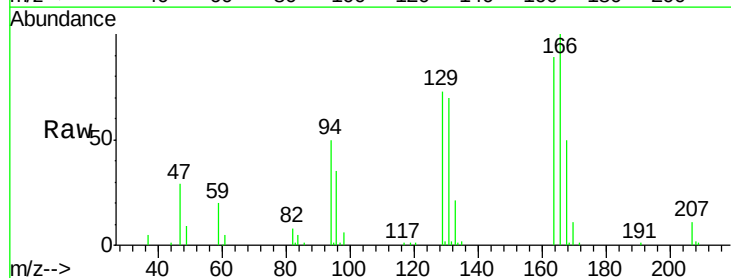
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

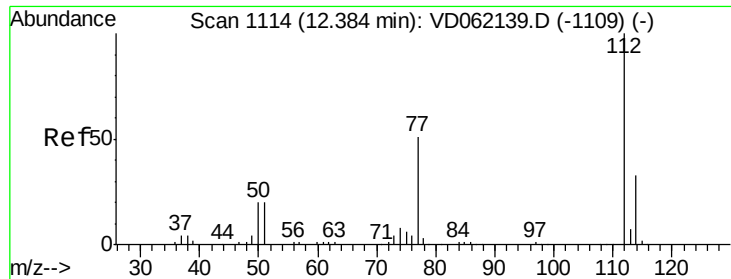
Tot Ion:117 Resp: 694493
Ion Ratio Lower Upper
117 100
82 56.5 36.2 54.2#
119 32.0 26.2 39.4



#64
Tetrachloroethene
Concen: 20.825 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Tgt Ion:164 Resp: 113094
Ion Ratio Lower Upper
164 100
166 112.4 101.5 152.3
129 82.0 74.6 112.0
131 78.1 72.6 108.8

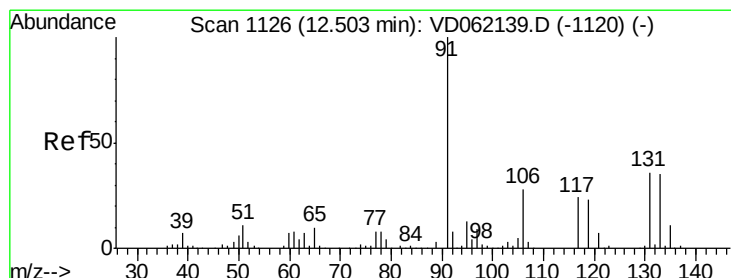
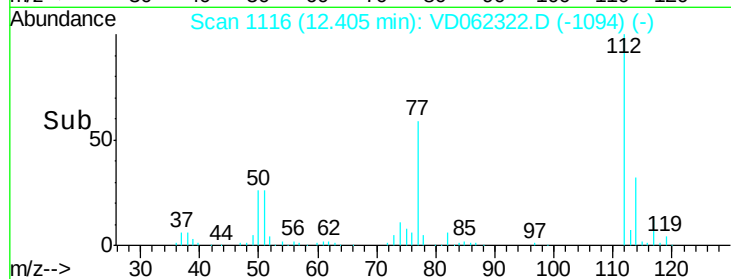
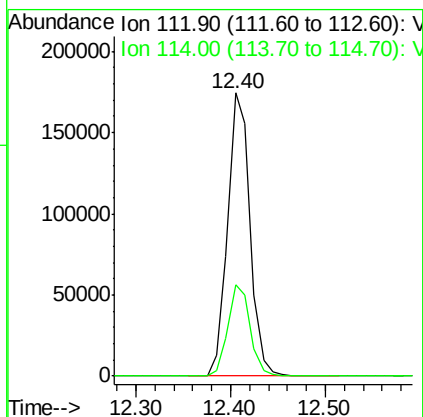
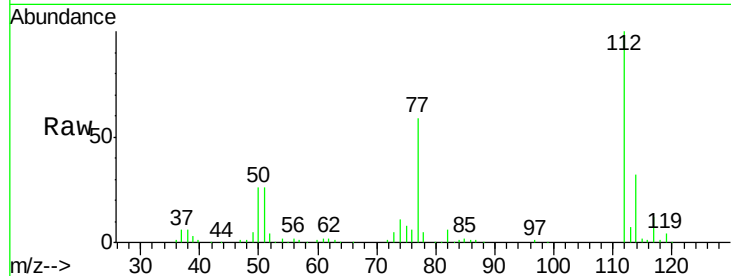




#65
Chlorobenzene
Concen: 22.006 ug/l
RT: 12.40 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

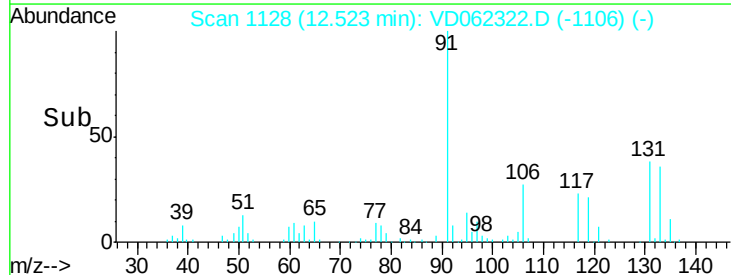
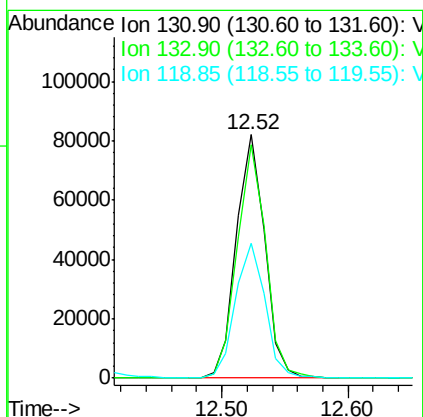
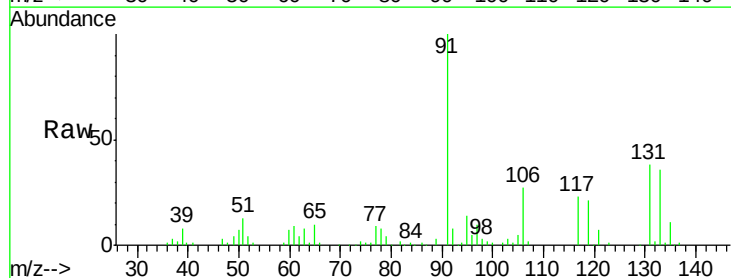
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

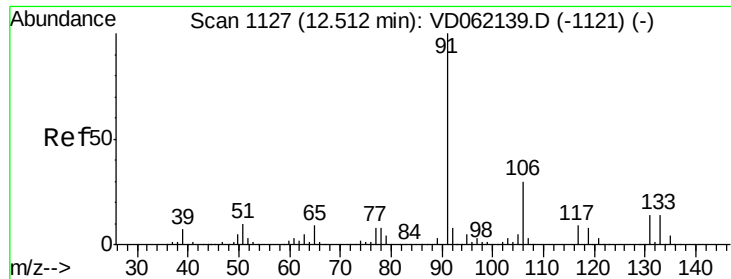
Tot Ion:112 Resp: 284650
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.749 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Tgt Ion:131 Resp: 128065
Ion Ratio Lower Upper
131 100
133 96.0 48.6 145.8
119 55.5 34.7 104.1

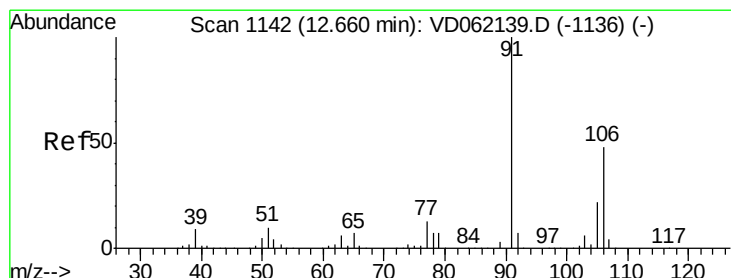
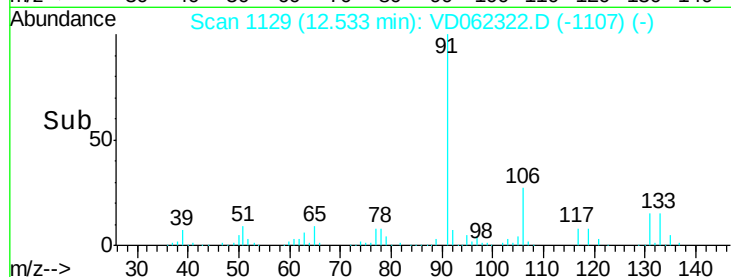
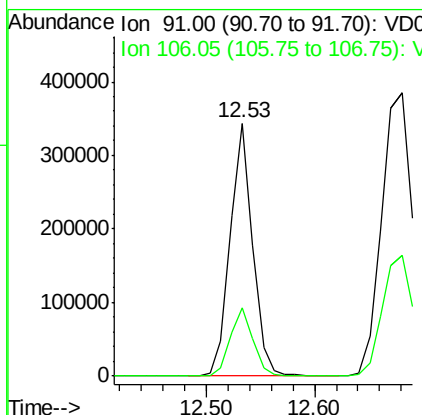
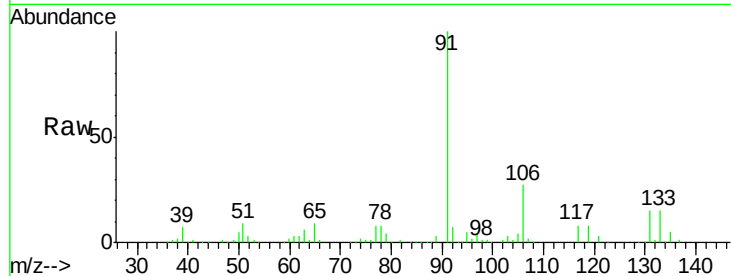




#67
Ethyl Benzene
Concen: 23.088 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

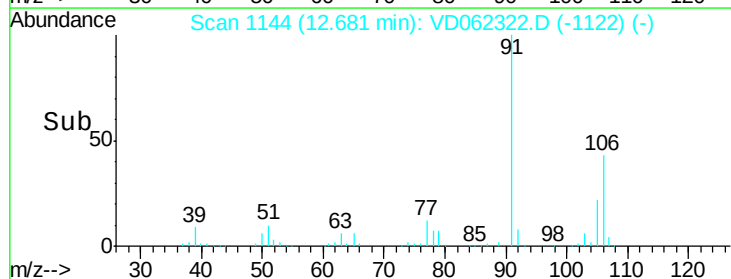
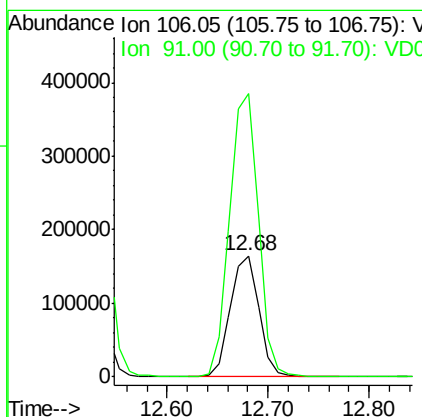
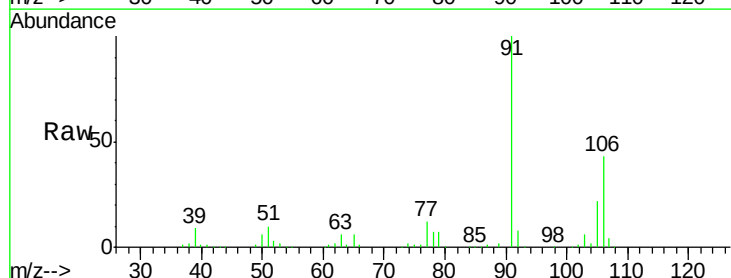
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

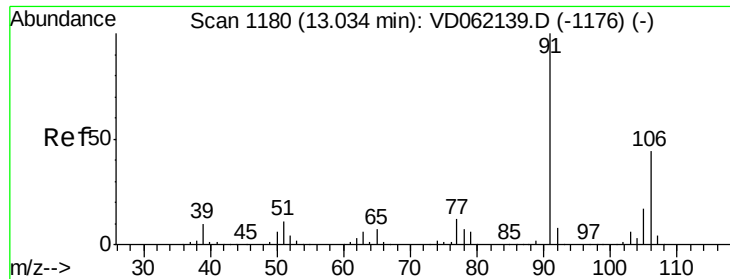
Tot Ion: 91 Resp: 499979
Ion Ratio Lower Upper
91 100
106 27.0 24.7 37.1



#68
m/p-Xylenes
Concen: 40.906 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Tgt Ion: 106 Resp: 322291
Ion Ratio Lower Upper
106 100
91 233.3 164.0 246.0

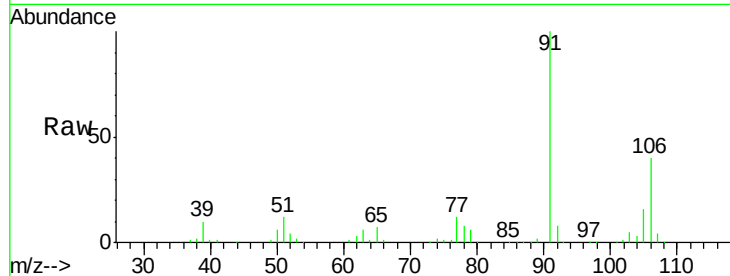




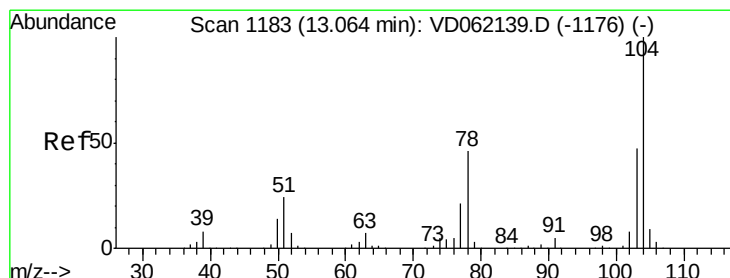
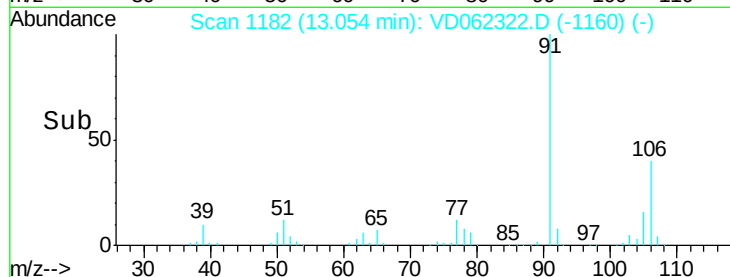
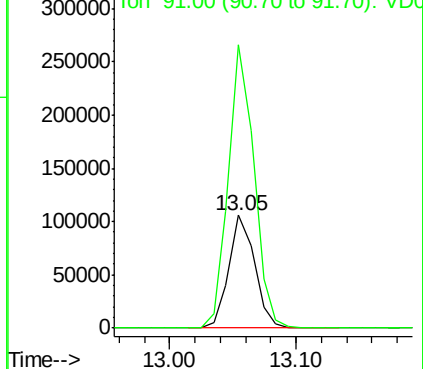
#69
o-Xylene
Concen: 20.434 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Instrument :
MSVOA_D
ClientSampleID :
VD0513SBS02

Tot Ion:106 Resp: 149677
Ion Ratio Lower Upper
106 100
91 251.2 106.7 319.9

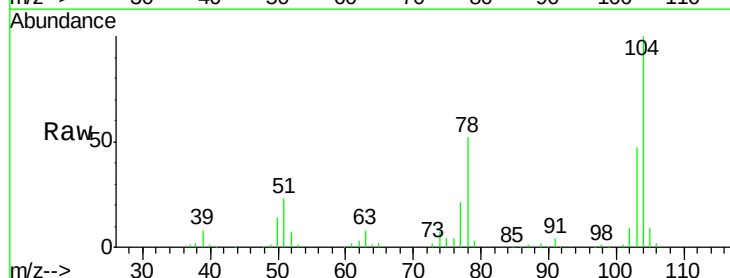


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

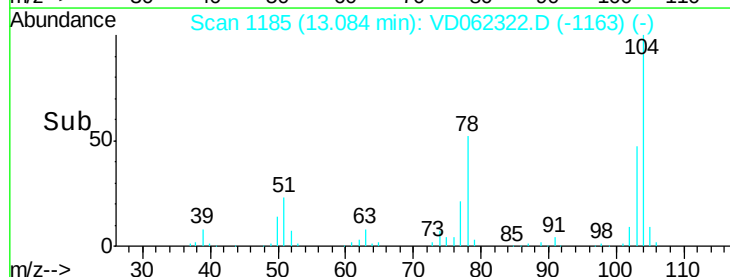
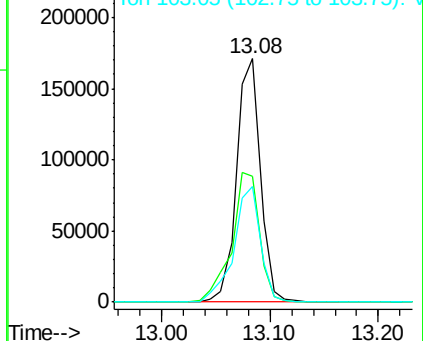


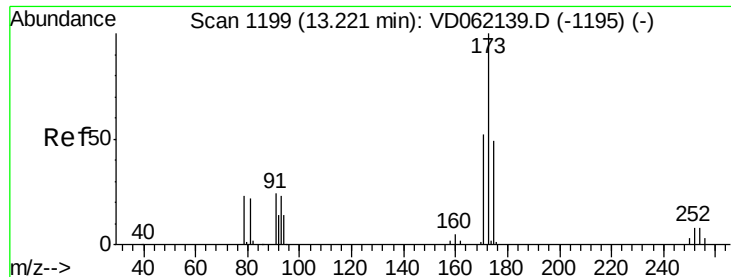
#70
Styrene
Concen: 21.183 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Tgt Ion:104 Resp: 262839
Ion Ratio Lower Upper
104 100
78 51.8 35.4 53.2
103 47.3 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: 22.504 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

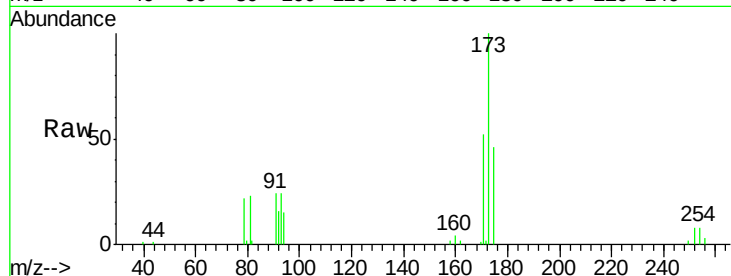
Tot Ion:173 Resp: 88142

Ion Ratio Lower Upper

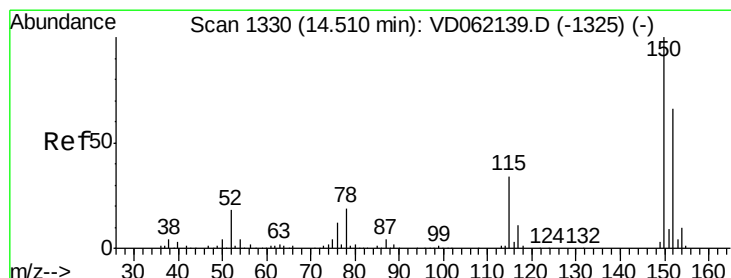
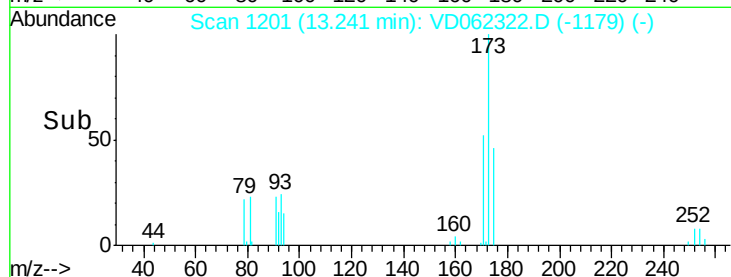
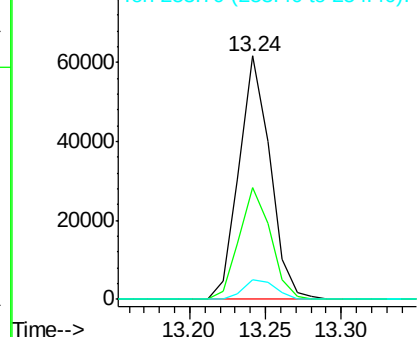
173 100

175 45.9 24.4 73.4

254 8.0 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: VD062322.D

Acq: 14 May 2019 00:39

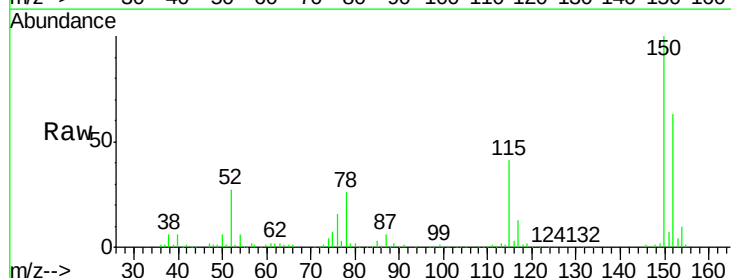
Tgt Ion:152 Resp: 364649

Ion Ratio Lower Upper

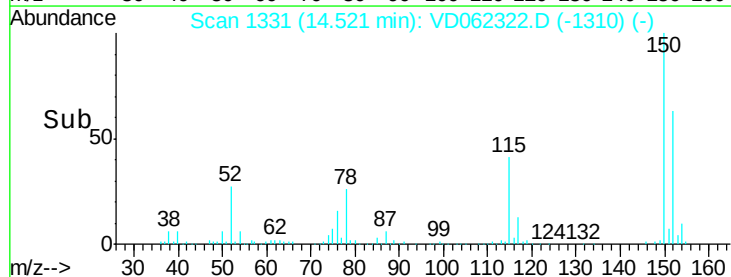
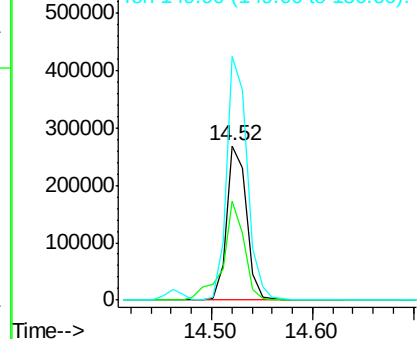
152 100

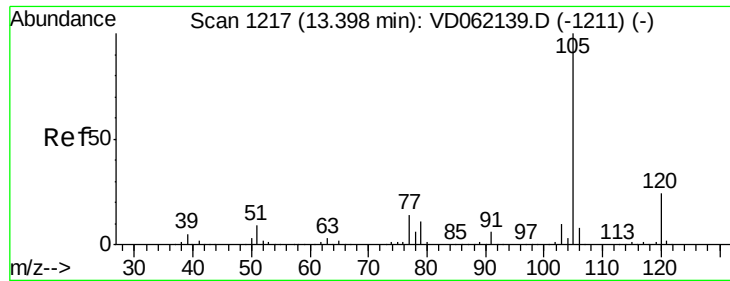
115 64.2 30.9 92.7

150 158.1 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: 21.893 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

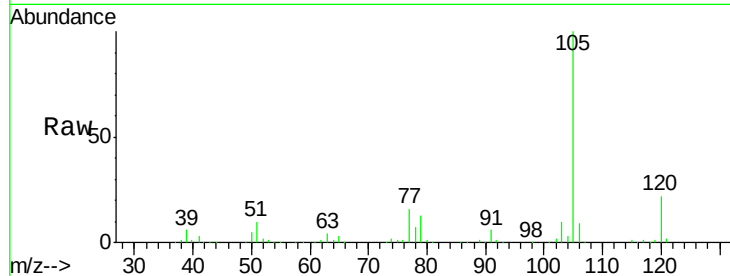
VD0513SBS02

Tot Ion:105 Resp: 478536

Ion Ratio Lower Upper

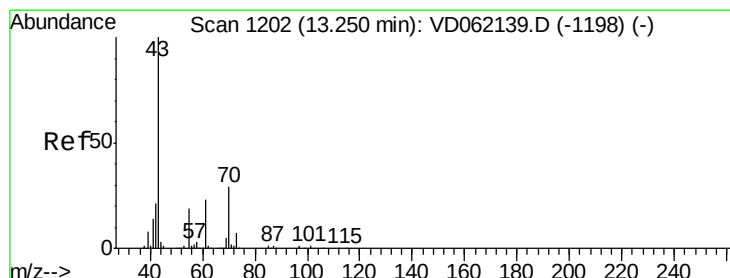
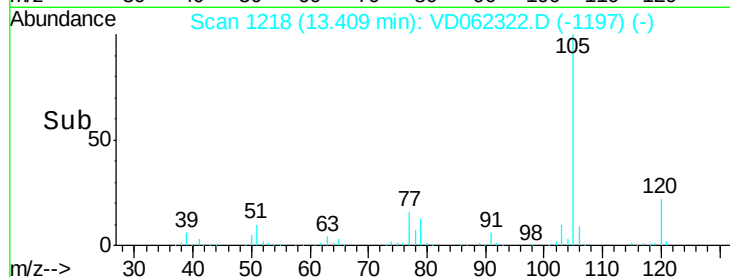
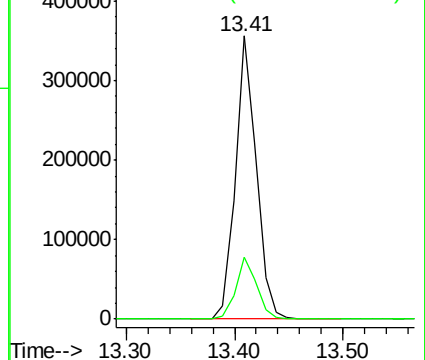
105 100

120 21.7 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.322 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Tgt Ion: 43 Resp: 116462

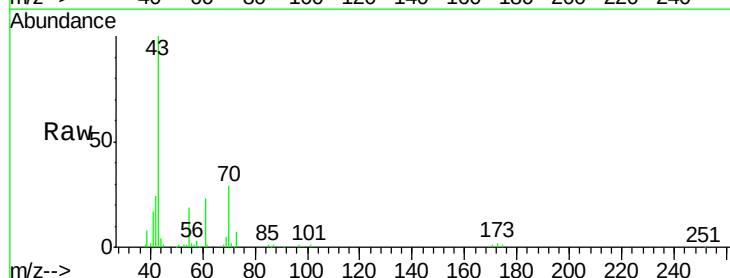
Ion Ratio Lower Upper

43 100

70 29.0 24.2 36.4

55 18.9 16.0 24.0

61 23.2 21.6 32.4

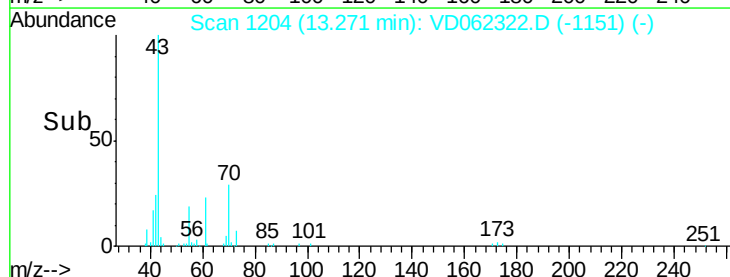
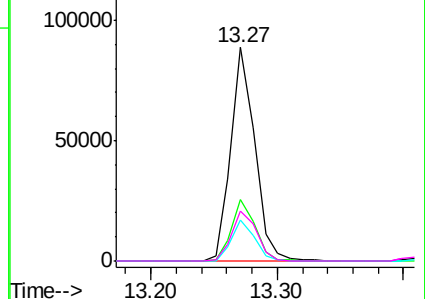


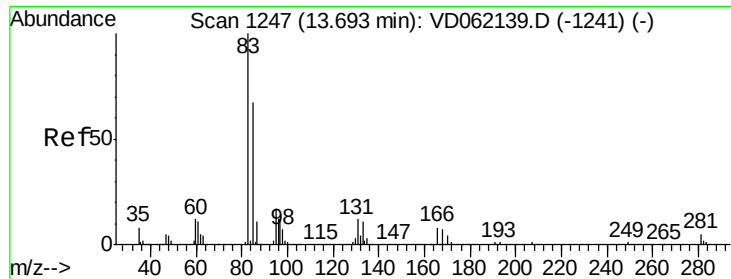
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.067 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

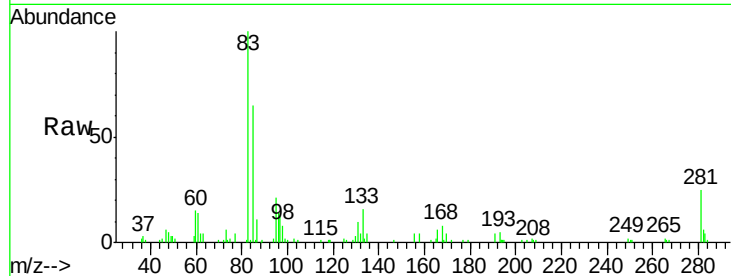
Tot Ion: 83 Resp: 87174

Ion Ratio Lower Upper

83 100

131 10.4 5.0 14.9

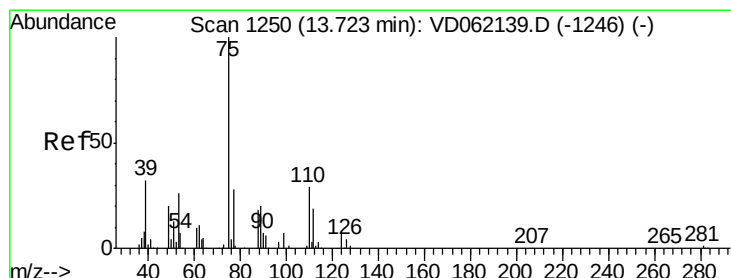
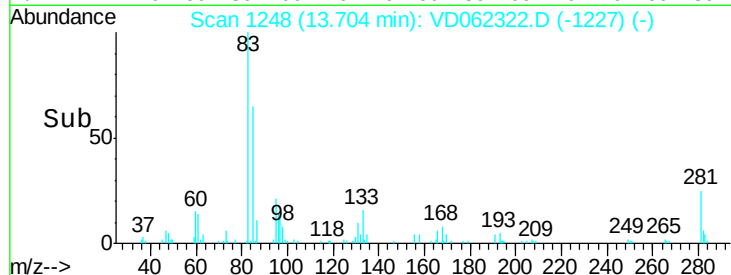
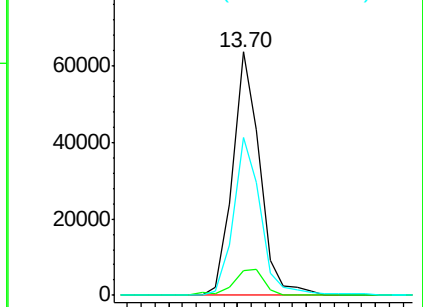
85 64.8 32.6 97.7



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: 21.886 ug/l

RT: 13.74 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD062322.D

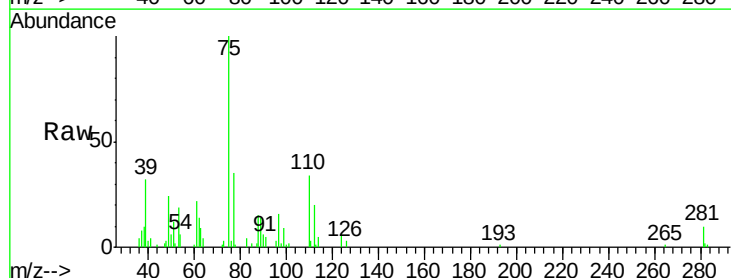
Acq: 14 May 2019 00:39

Tgt Ion: 75 Resp: 94843

Ion Ratio Lower Upper

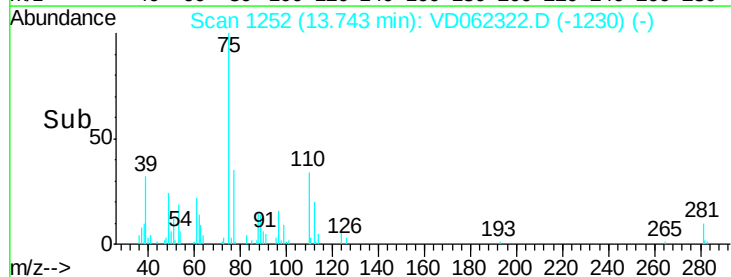
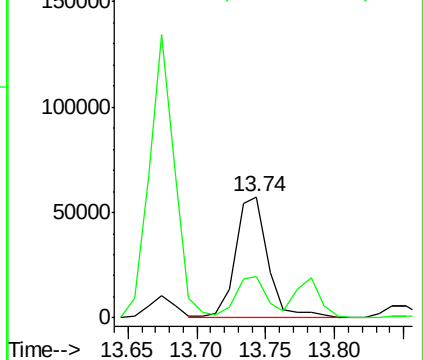
75 100

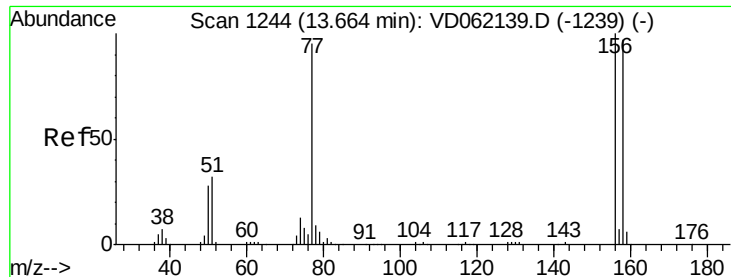
77 34.5 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.529 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

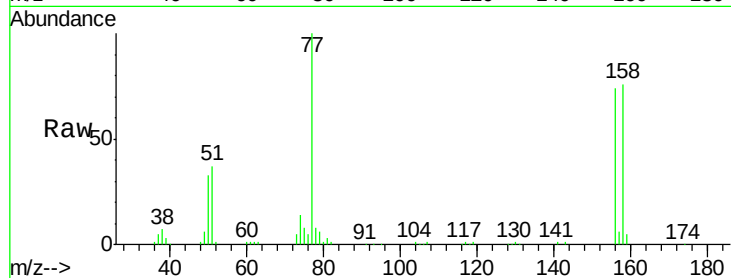
Tot Ion:156 Resp: 137853

Ion Ratio Lower Upper

156 100

77 135.5 53.1 159.4

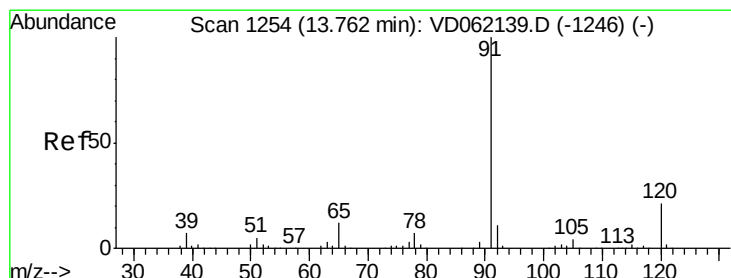
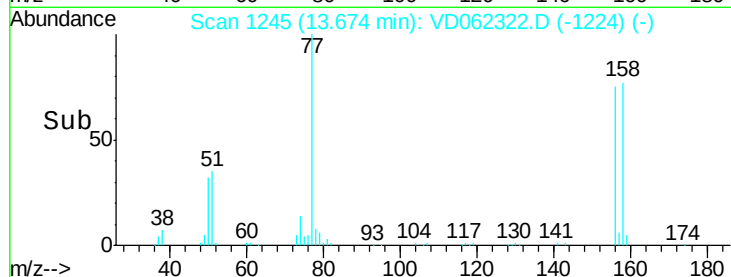
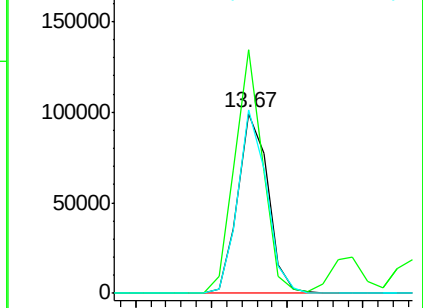
158 102.4 49.4 148.0



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: 22.336 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062322.D

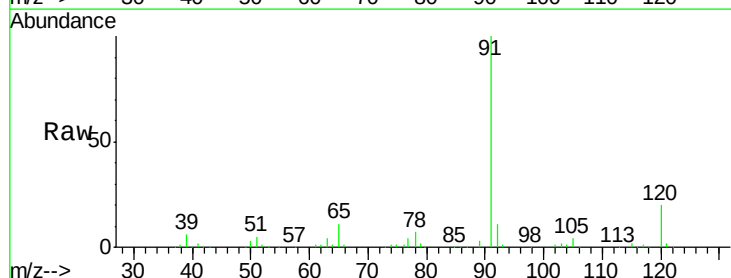
Acq: 14 May 2019 00:39

Tgt Ion: 91 Resp: 582399

Ion Ratio Lower Upper

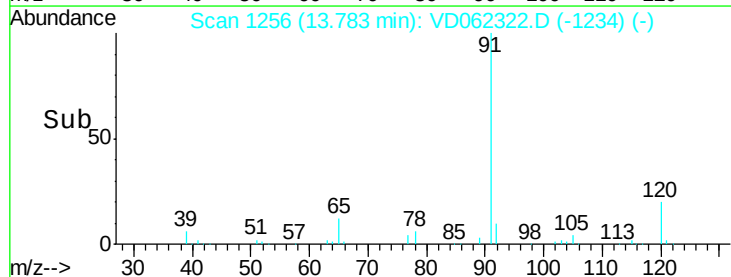
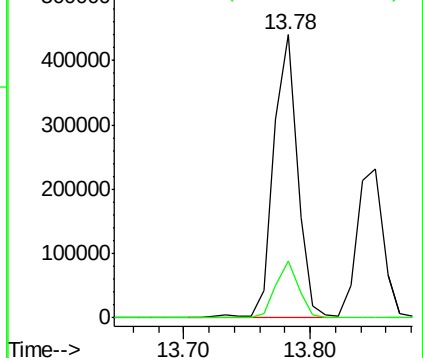
91 100

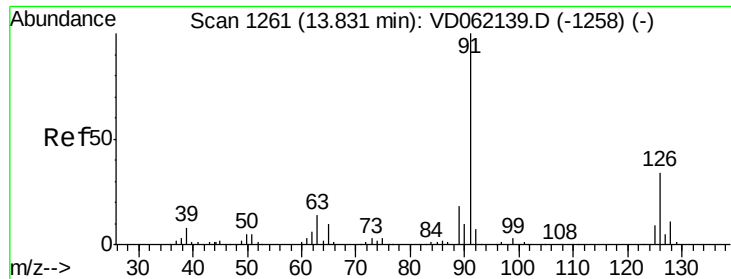
120 20.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.461 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

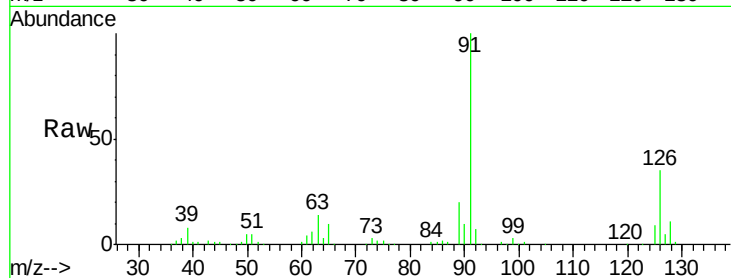
VD0513SBS02

Tot Ion: 91 Resp: 335415

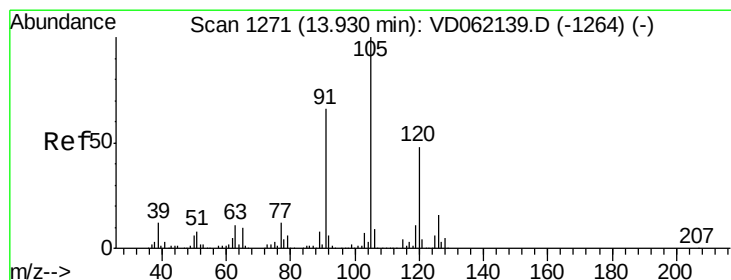
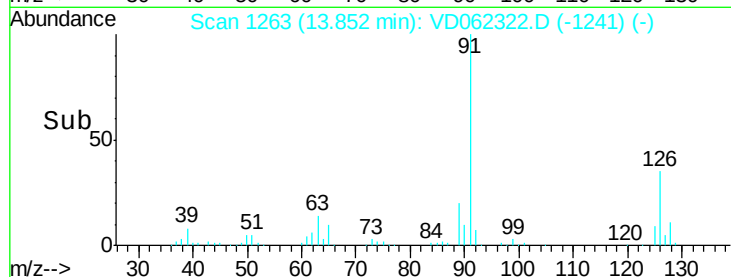
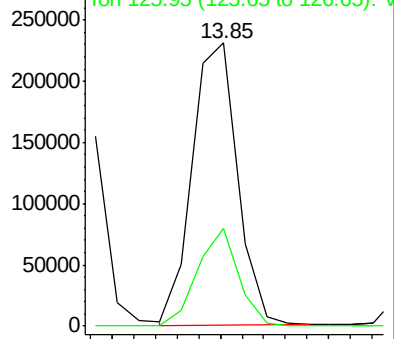
Ion Ratio Lower Upper

91 100

126 34.6 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VD062139.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.643 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062322.D

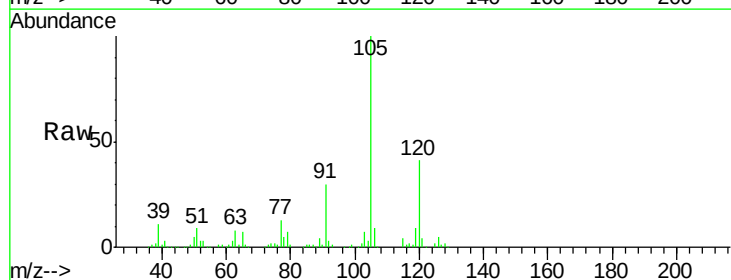
Acq: 14 May 2019 00:39

Tgt Ion: 105 Resp: 398371

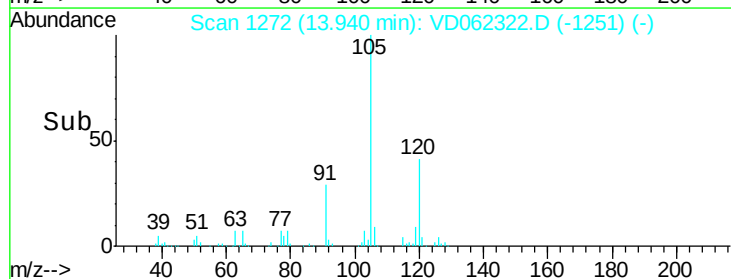
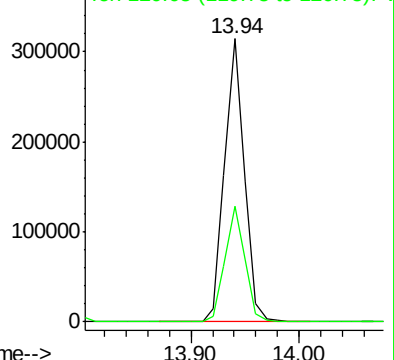
Ion Ratio Lower Upper

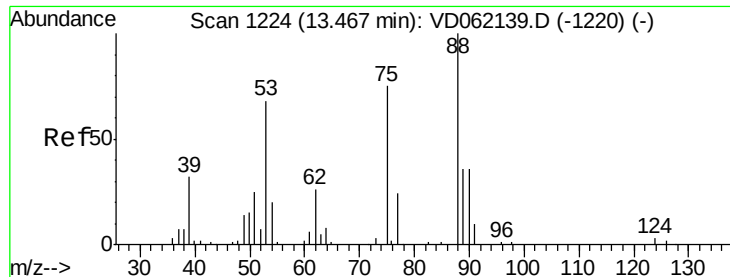
105 100

120 40.9 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD062139.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.382 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS02

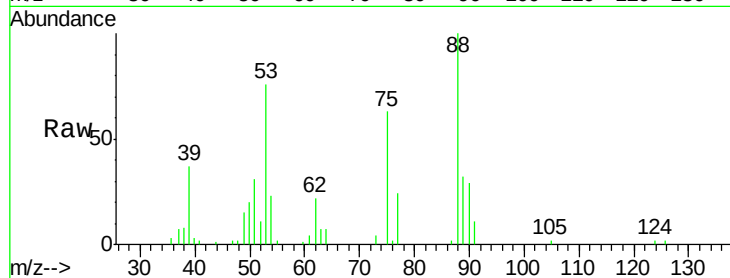
Tot Ion: 75 Resp: 21265

Ion Ratio Lower Upper

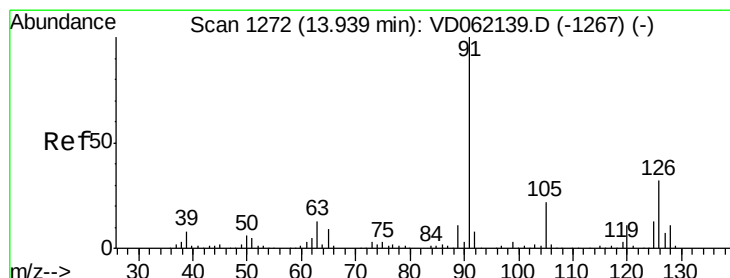
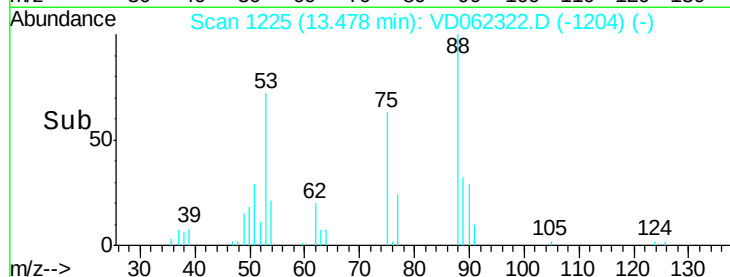
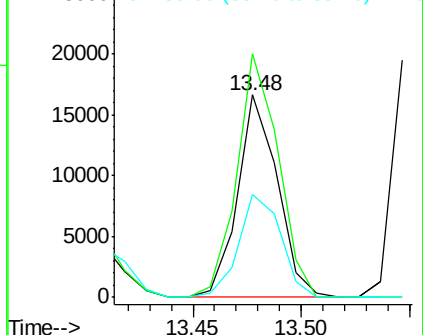
75 100

53 120.3 65.8 98.8#

89 50.9 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.042 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062322.D

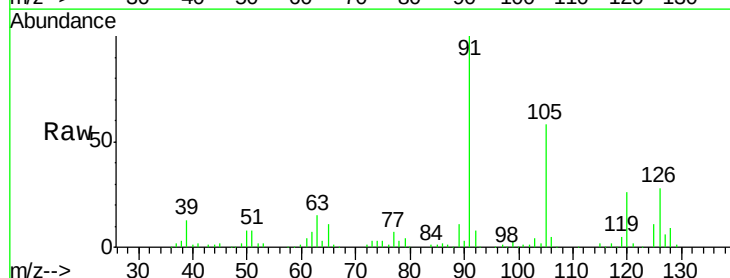
Acq: 14 May 2019 00:39

Tgt Ion: 91 Resp: 387332

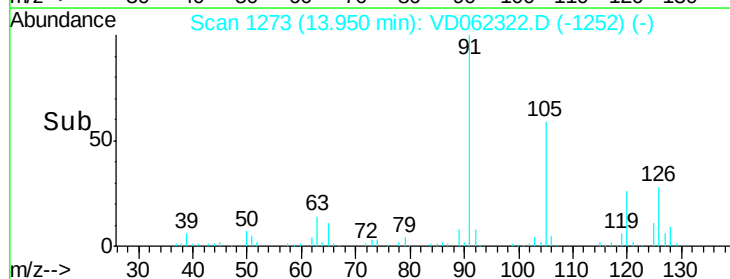
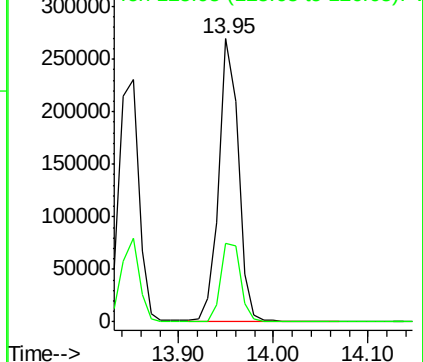
Ion Ratio Lower Upper

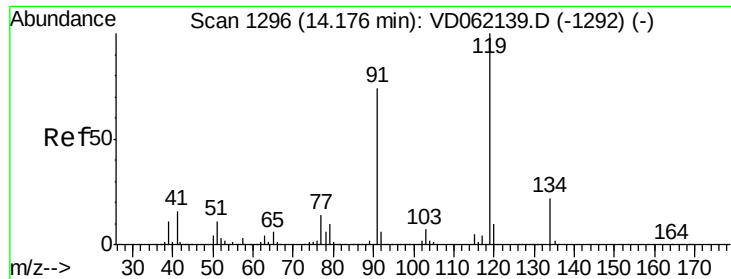
91 100

126 27.8 19.1 57.5



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

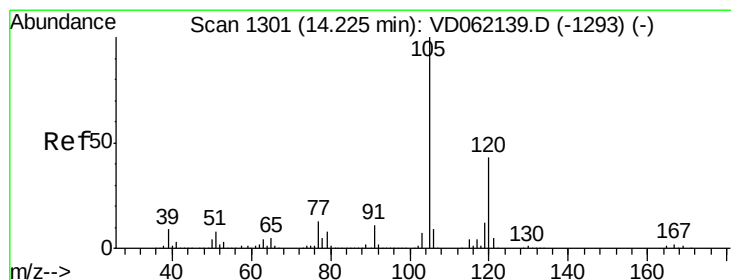
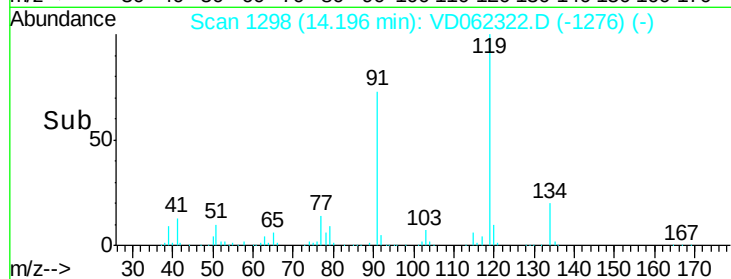
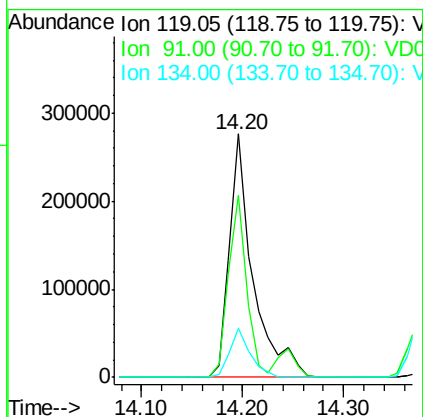
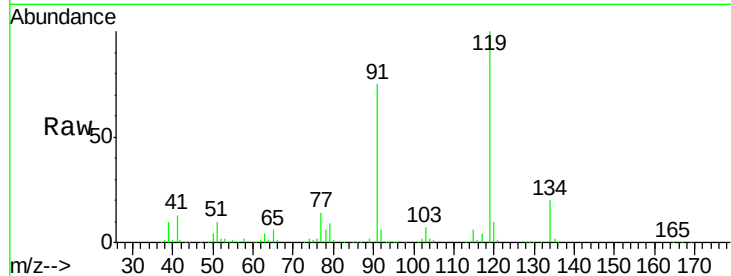




#83
 tert-Butylbenzene
 Concen: 21.653 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

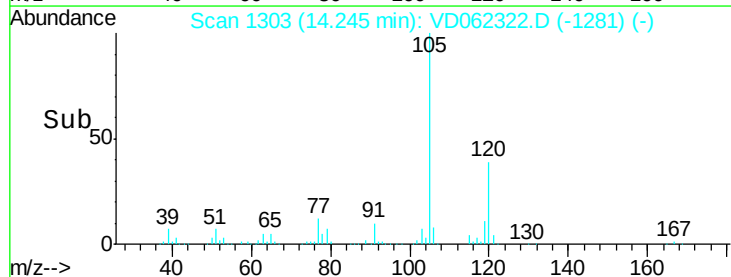
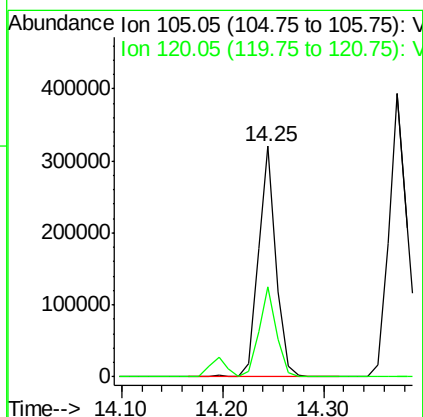
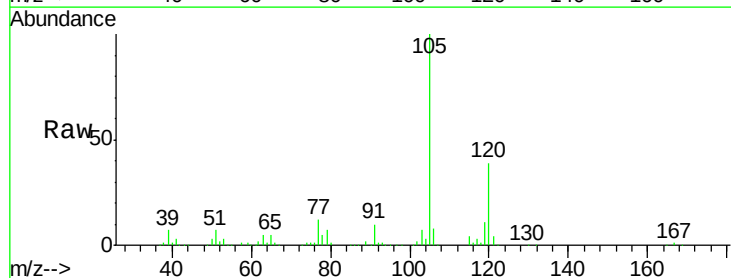
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

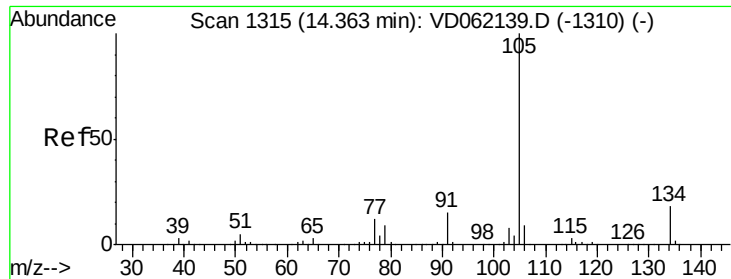
Tot Ion:119 Resp: 447967
 Ion Ratio Lower Upper
 119 100
 91 75.1 34.2 102.6
 134 20.3 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.145 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

Tgt Ion:105 Resp: 390569
 Ion Ratio Lower Upper
 105 100
 120 39.2 23.1 69.2





#85

sec-Butylbenzene

Concen: 21.721 ug/l

RT: 14.37 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

Instrument :

MSVOA_D

ClientSampleId :

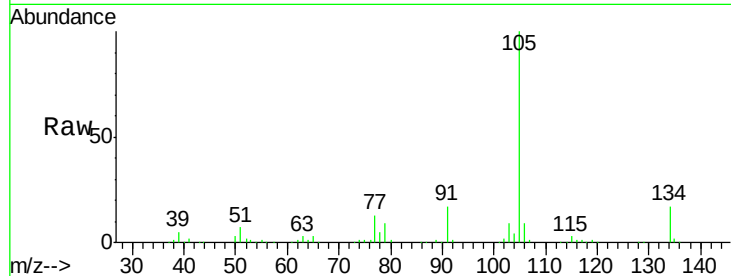
VD0513SBS02

Tot Ion:105 Resp: 492691

Ion Ratio Lower Upper

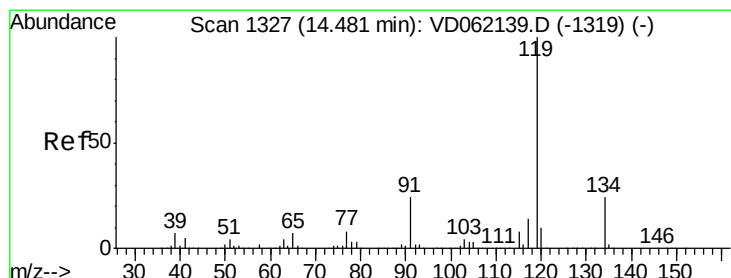
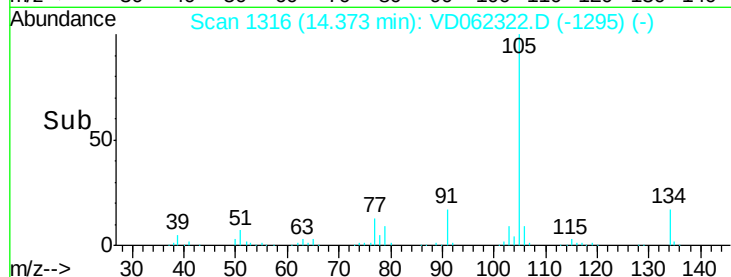
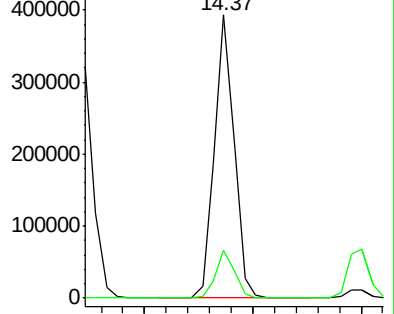
105 100

134 16.9 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.407 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VD062322.D

Acq: 14 May 2019 00:39

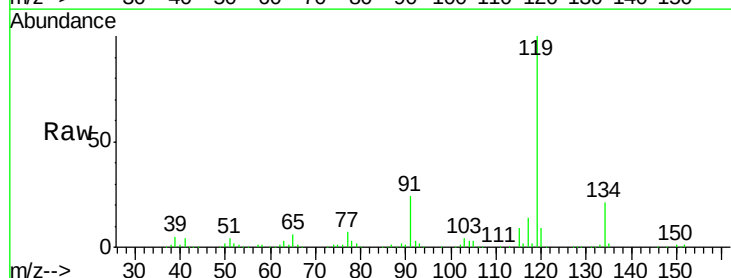
Tgt Ion:119 Resp: 433844

Ion Ratio Lower Upper

119 100

134 21.1 12.8 38.3

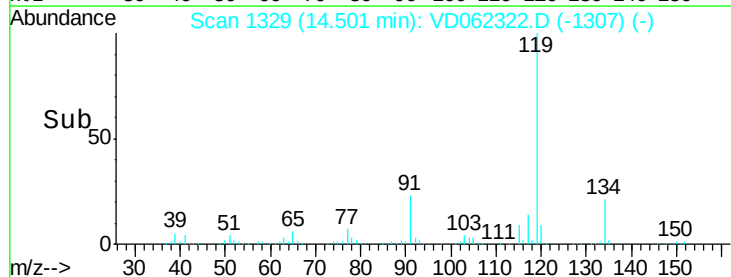
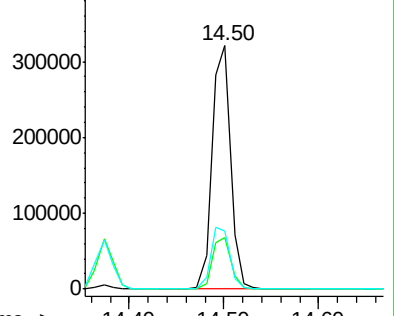
91 23.7 10.7 32.1

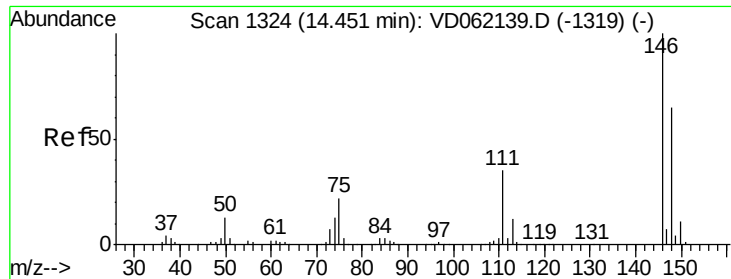


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

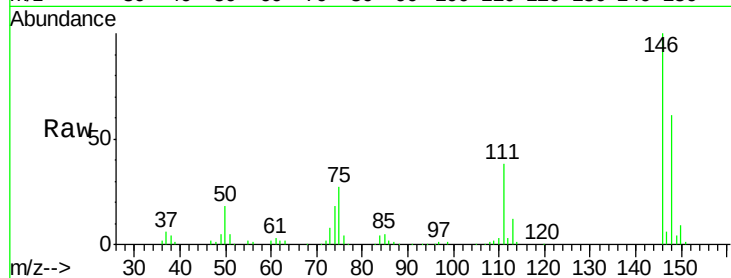




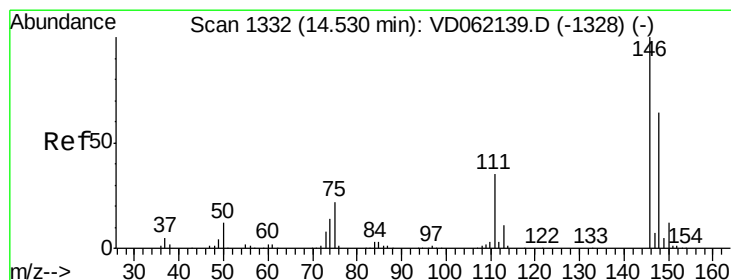
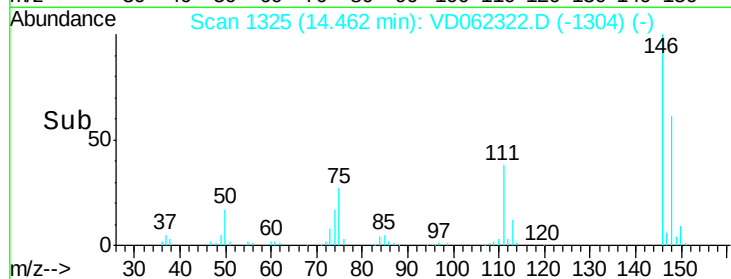
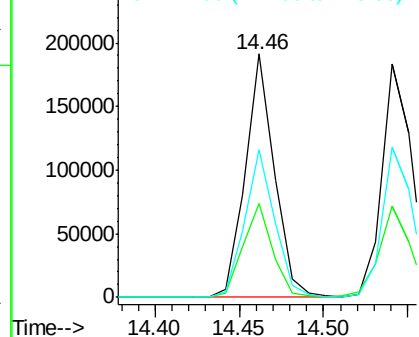
#87
 1,3-Dichlorobenzene
 Concen: 20.538 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Tot Ion:146 Resp: 229564
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.0 60.0
 148 60.6 31.8 95.4

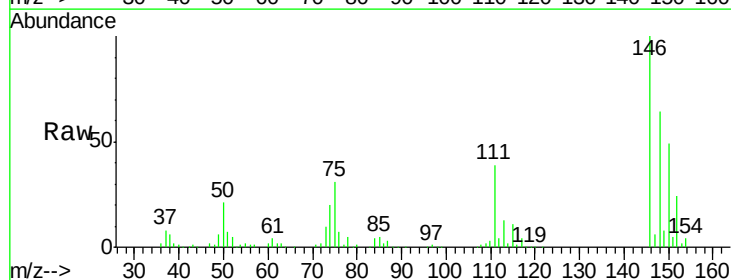


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

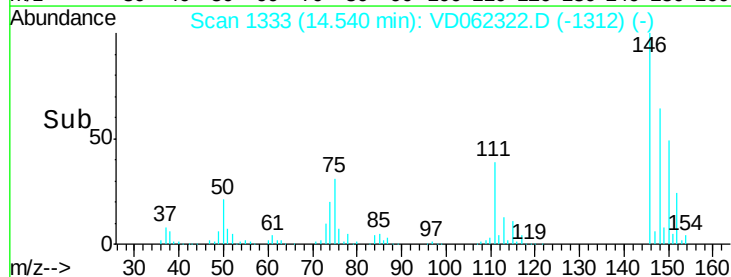
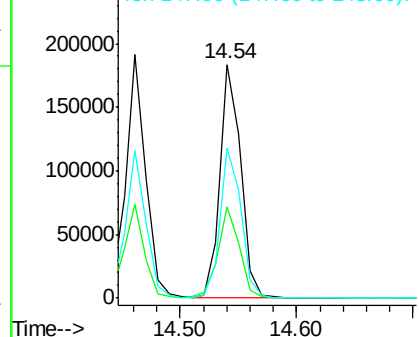


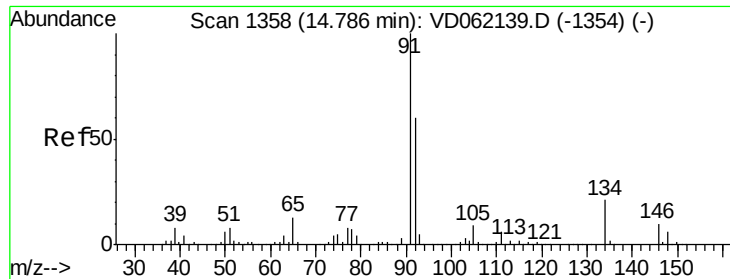
#88
 1,4-Dichlorobenzene
 Concen: 20.707 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

Tgt Ion:146 Resp: 227421
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.2 60.5
 148 64.2 32.0 96.2



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

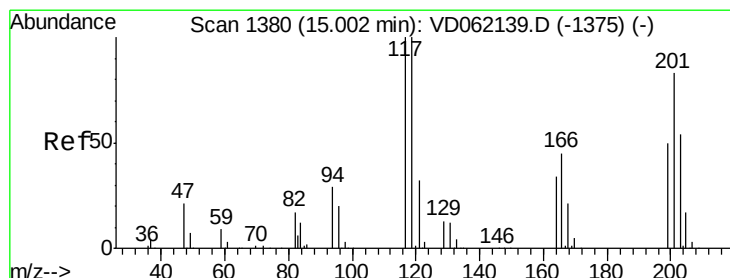
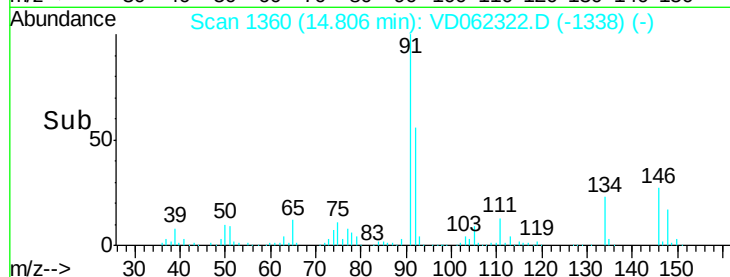
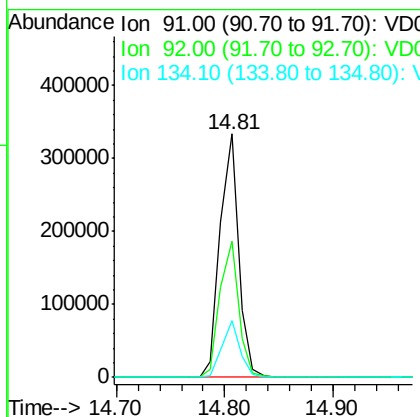
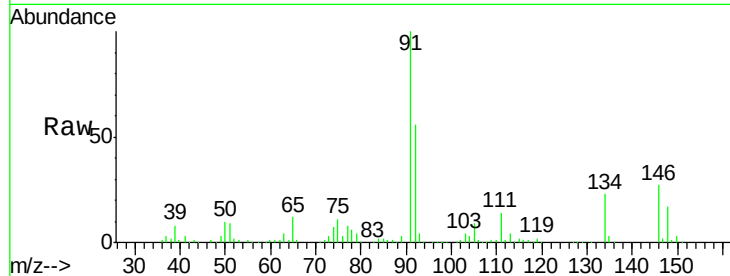




#89
n-Butylbenzene
Concen: 22.031 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

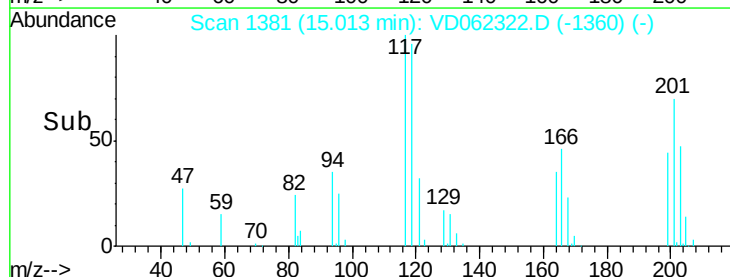
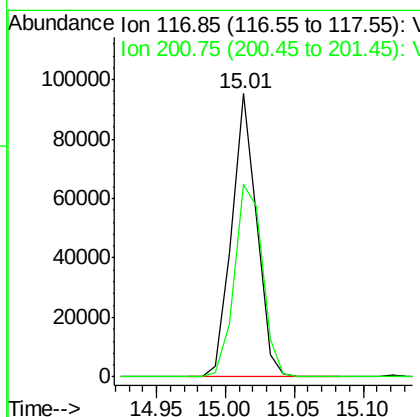
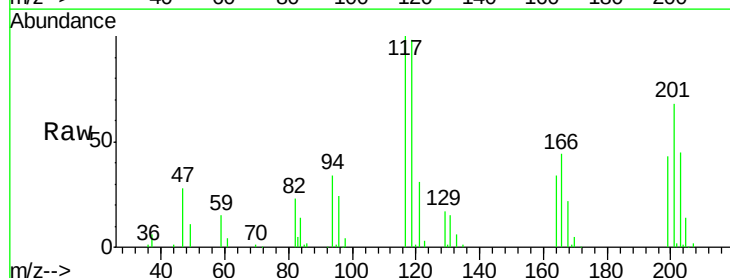
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

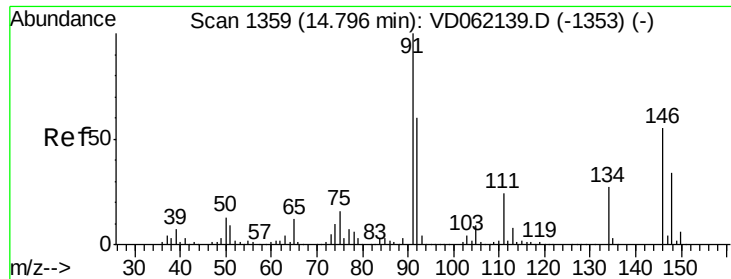
Tot Ion: 91 Resp: 400745
Ion Ratio Lower Upper
91 100
92 55.9 30.3 91.0
134 23.4 14.5 43.6



#90
Hexachloroethane
Concen: 21.810 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Tgt Ion: 117 Resp: 120203
Ion Ratio Lower Upper
117 100
201 68.0 30.2 90.6

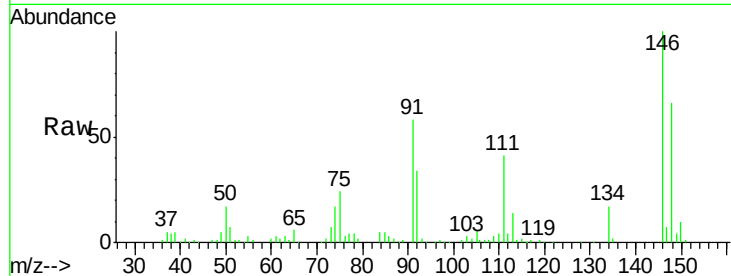




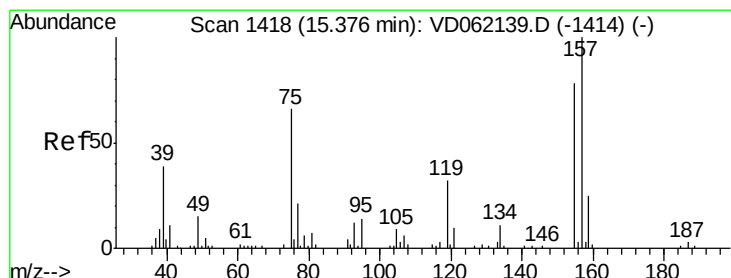
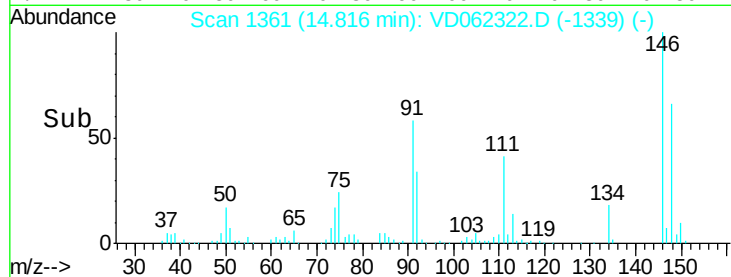
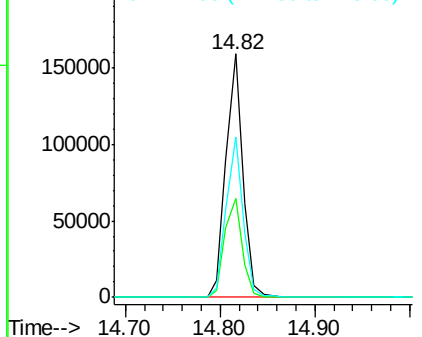
#91
 1,2-Dichlorobenzene
 Concen: 21.546 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Tot Ion:146 Resp: 198341
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.0 59.9
 148 65.6 32.3 96.8

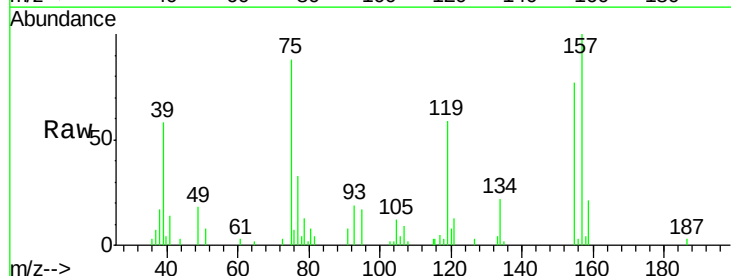


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

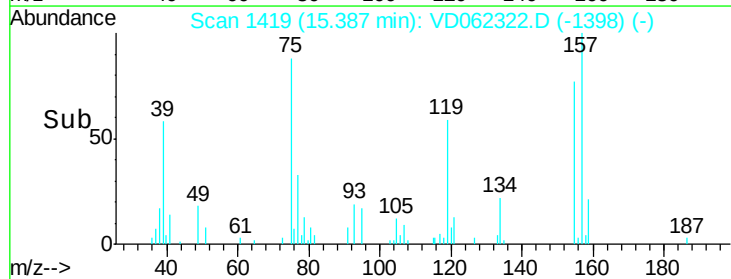
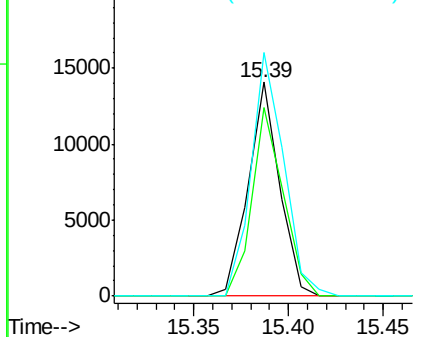


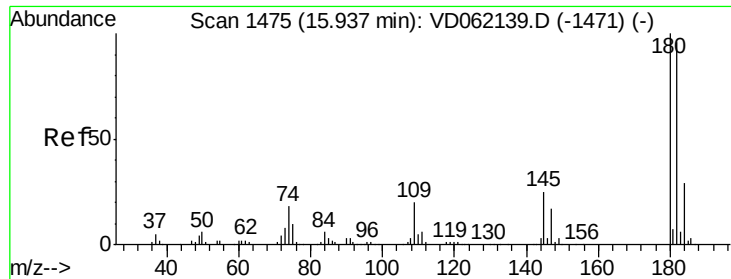
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.740 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

Tgt Ion: 75 Resp: 16126
 Ion Ratio Lower Upper
 75 100
 155 88.2 55.3 165.8
 157 114.0 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

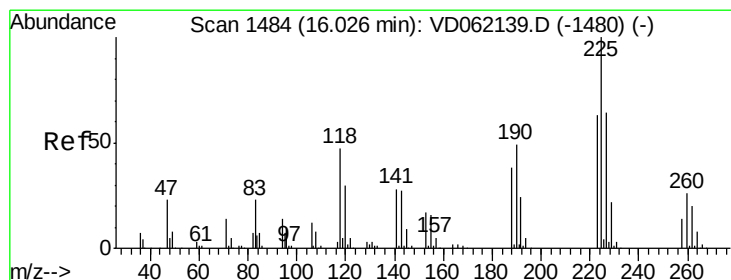
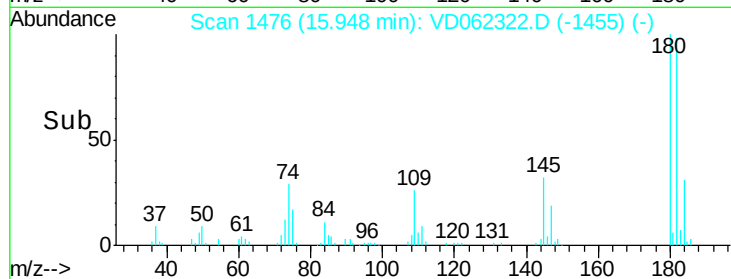
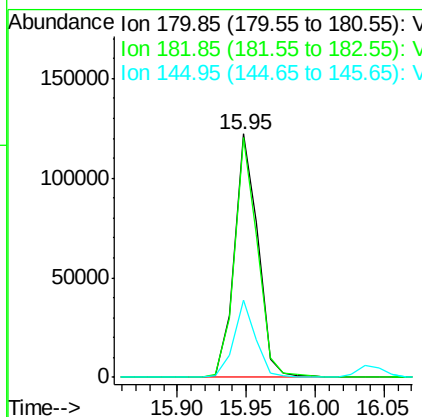
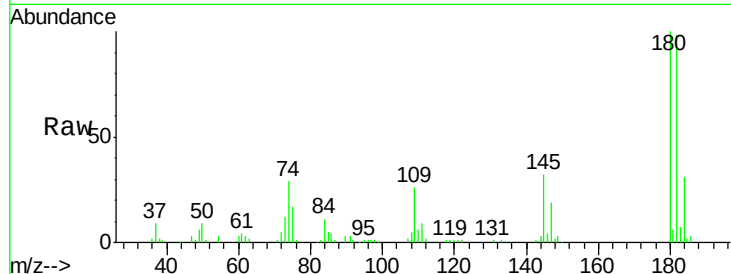




#93
 1,2,4-Trichlorobenzene
 Concen: 21.661 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

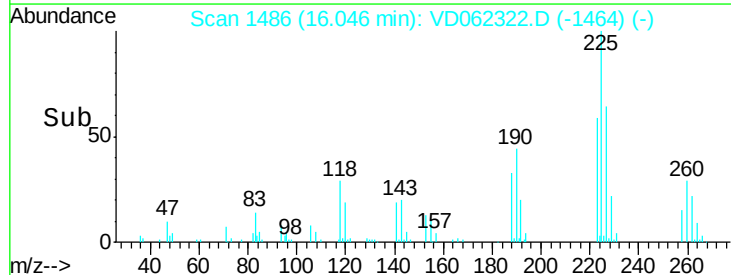
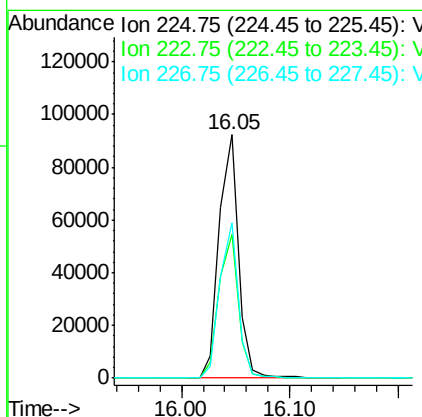
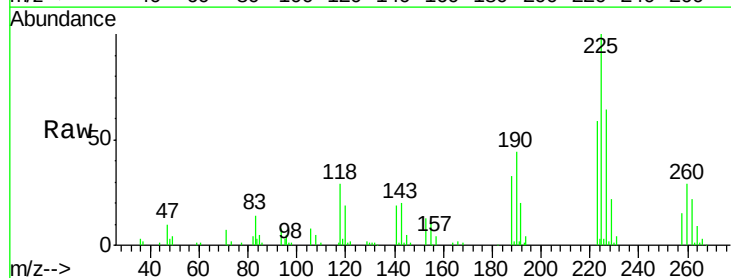
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

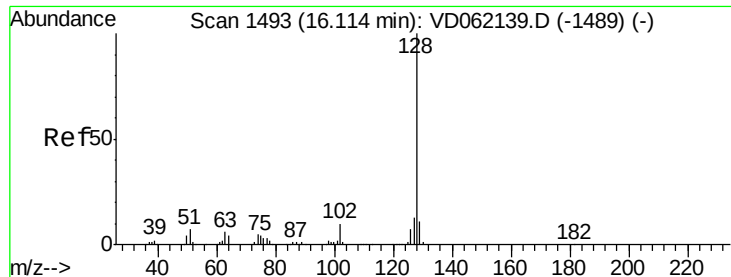
Tot Ion:180 Resp: 145141
 Ion Ratio Lower Upper
 180 100
 182 98.5 49.3 147.8
 145 31.8 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 23.021 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062322.D
 Acq: 14 May 2019 00:39

Tgt Ion:225 Resp: 114725
 Ion Ratio Lower Upper
 225 100
 223 59.0 30.6 92.0
 227 63.6 32.0 96.2

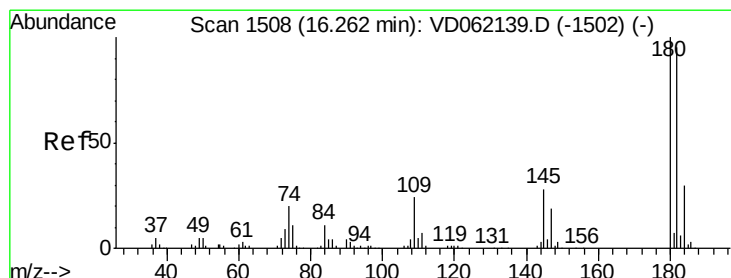
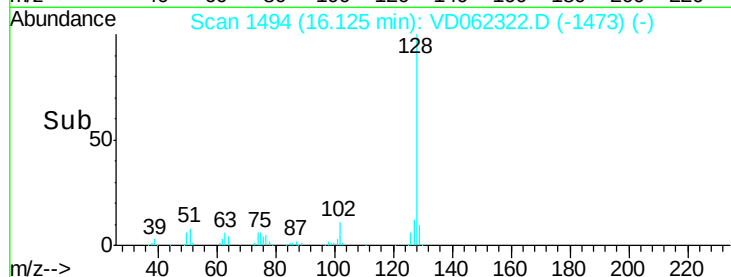
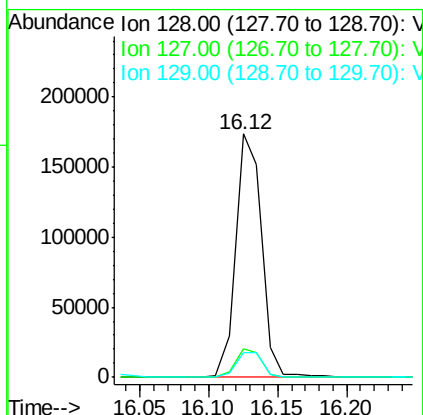
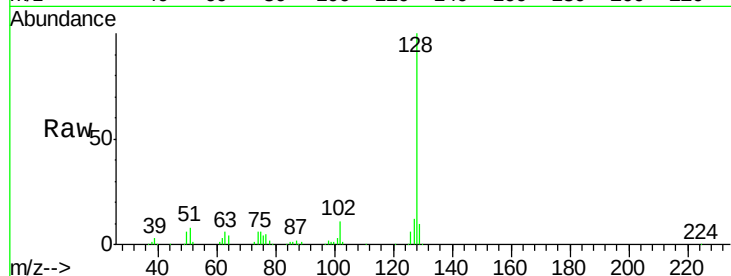




#95
Naphthalene
Concen: 24.228 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS02

Tot Ion:128 Resp: 226645
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.8
129 10.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 26.949 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062322.D
Acq: 14 May 2019 00:39

Tgt Ion:180 Resp: 113530
Ion Ratio Lower Upper
180 100
182 94.7 47.0 141.0
145 34.3 17.0 51.0

