

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
 Data File : VD062500.D
 Acq On : 22 May 2019 13:40
 Operator : VA/AP
 Sample : VD0522SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

Quant Time: May 23 03:12:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	690374	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	945422	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	783753	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	418846	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	410526	55.55	ug/l	-0.03
Spiked Amount 50.000			Recovery =	111.10%		
35) Dibromofluoromethane	6.90	113	451877	52.98	ug/l	-0.04
Spiked Amount 50.000			Recovery =	105.96%		
50) Toluene-d8	10.40	98	978390	52.42	ug/l	-0.03
Spiked Amount 50.000			Recovery =	104.84%		
62) 4-Bromofluorobenzene	13.55	95	431881	52.90	ug/l	-0.02
Spiked Amount 50.000			Recovery =	105.80%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	172358	24.019	ug/l	99
3) Chloromethane	1.75	50	97365	20.358	ug/l	94
4) Vinyl Chloride	1.85	62	86018	17.092	ug/l	94
5) Bromomethane	2.14	94	36261	16.697	ug/l	98
6) Chloroethane	2.24	64	30265	12.431	ug/l	98
7) Trichlorofluoromethane	2.51	101	127714	10.983	ug/l	95
8) Diethyl Ether	2.86	74	20071	12.795	ug/l	59
9) 1,1,2-Trichlorotrifluoroet	3.13	101	93090	13.456	ug/l	87
10) Methyl Iodide	3.29	142	148221	15.366	ug/l	89
11) Tert butyl alcohol	4.08	59	25460	74.639	ug/l	97
12) 1,1-Dichloroethene	3.12	96	72929	14.264	ug/l	96
13) Acrolein	3.02	56	19251	67.959	ug/l	91
14) Allyl chloride	3.60	41	112720	14.952	ug/l #	79
15) Acrylonitrile	4.19	53	60966	77.998	ug/l	94
16) Acetone	3.21	43	81623	61.636	ug/l	99
17) Carbon Disulfide	3.35	76	242191	15.641	ug/l	100
18) Methyl Acetate	3.64	43	34326	15.021	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	182229	15.432	ug/l #	90
20) Methylene Chloride	3.79	84	99311	12.941	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	92520	15.458	ug/l	98
22) Diisopropyl ether	5.10	45	257568	16.052	ug/l #	88
23) Vinyl Acetate	5.03	43	754485	77.815	ug/l	97
24) 1,1-Dichloroethane	4.96	63	160985	15.578	ug/l	97
25) 2-Butanone	6.06	43	146545	105.804	ug/l	95
26) 2,2-Dichloropropane	6.01	77	232094	20.834	ug/l	89
27) cis-1,2-Dichloroethene	6.02	96	132099	20.468	ug/l	90
28) Bromochloromethane	6.42	49	78043	21.041	ug/l	88
29) Tetrahydrofuran	6.44	42	64743	97.874	ug/l	98
30) Chloroform	6.65	83	276511	20.988	ug/l	94
31) Cyclohexane	6.93	56	145172	20.805	ug/l	89
32) 1,1,1-Trichloroethane	6.85	97	281925	21.195	ug/l	98
36) 1,1-Dichloropropene	7.13	75	198629	21.975	ug/l	99
37) Ethyl Acetate	6.18	43	74532	21.226	ug/l #	93
38) Carbon Tetrachloride	7.09	117	277811	20.680	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	164232	22.029	ug/l	98
40) Benzene	7.44	78	389870	21.989	ug/l	98
41) Methacrylonitrile	6.42	41	85638	19.419	ug/l #	88
42) 1,2-Dichloroethane	7.56	62	185801	19.790	ug/l	88
43) Isopropyl Acetate	9.23	43	102845	22.078	ug/l	91
44) Trichloroethene	8.53	130	154199	21.722	ug/l	92
45) 1,2-Dichloropropane	8.92	63	86538	20.029	ug/l	98
46) Dibromomethane	9.05	93	76544	19.544	ug/l #	87
47) Bromodichloromethane	9.36	83	204717	20.547	ug/l	98
48) Methyl methacrylate	9.11	41	61668	19.672	ug/l	84
49) 1,4-Dioxane	9.07	88	9999	355.606	ug/l	93
51) 4-Methyl-2-Pentanone	10.29	43	316438	102.827	ug/l	91
52) Toluene	10.50	92	256615	21.142	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	176165	21.237	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	172139	19.888	ug/l #	86
55) 1,1,2-Trichloroethane	11.17	97	89161	21.674	ug/l	99
56) Ethyl methacrylate	11.03	69	91331	20.768	ug/l #	79
57) 1,3-Dichloropropane	11.39	76	134583	21.333	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	246985	109.375	ug/l	99
59) 2-Hexanone	11.52	43	245520	109.775	ug/l	92
60) Dibromochloromethane	11.68	129	164786	20.856	ug/l	97
61) 1,2-Dibromoethane	11.79	107	103457	20.407	ug/l	99
64) Tetrachloroethene	11.24	164	141049	21.494	ug/l	93
65) Chlorobenzene	12.39	112	318799	21.152	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	146236	21.019	ug/l	93
67) Ethyl Benzene	12.51	91	573894	22.107	ug/l	95
68) m/p-Xylenes	12.66	106	407741	43.755	ug/l	93
69) o-Xylene	13.03	106	189379	21.539	ug/l	83
70) Styrene	13.06	104	324556	21.698	ug/l	97
71) Bromoform	13.22	173	94832	20.525	ug/l	99
73) Isopropylbenzene	13.39	105	505961	19.164	ug/l	94
74) N-amyl acetate	13.25	43	127404	19.538	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	101957	21.406	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	106893	21.667	ug/l	99
77) Bromobenzene	13.66	156	156302	20.870	ug/l	95
78) n-propylbenzene	13.76	91	682137	22.305	ug/l	96
79) 2-Chlorotoluene	13.83	91	399803	21.542	ug/l	93
80) 1,3,5-Trimethylbenzene	13.92	105	458503	20.057	ug/l	88
81) trans-1,4-Dichloro-2-buten	13.47	75	27923	20.068	ug/l #	63
82) 4-Chlorotoluene	13.94	91	461842	21.608	ug/l	90
83) tert-Butylbenzene	14.18	119	530874	20.936	ug/l	87
84) 1,2,4-Trimethylbenzene	14.23	105	473538	20.216	ug/l	89
85) sec-Butylbenzene	14.35	105	552541	20.898	ug/l	93
86) p-Isopropyltoluene	14.48	119	505474	21.096	ug/l	92
87) 1,3-Dichlorobenzene	14.44	146	262065	19.814	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	264201	20.701	ug/l	96
89) n-Butylbenzene	14.79	91	455107	19.681	ug/l	90
90) Hexachloroethane	15.00	117	138214	20.872	ug/l	64
91) 1,2-Dichlorobenzene	14.80	146	235718	20.959	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	17768	19.653	ug/l	58

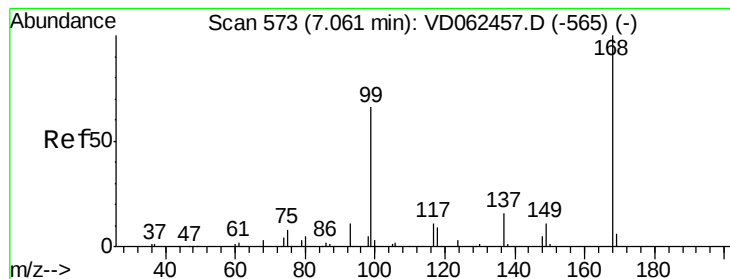
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	185203	20.914	ug/l	94
94) Hexachlorobutadiene	16.03	225	140399	21.472	ug/l	93
95) Naphthalene	16.11	128	253638	20.962	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	139578	19.227	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

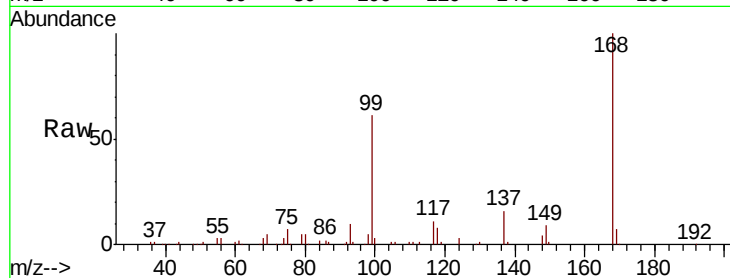
VD0522SBS01

Tot Ion:168 Resp: 690374

Ion Ratio Lower Upper

168 100

99 61.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

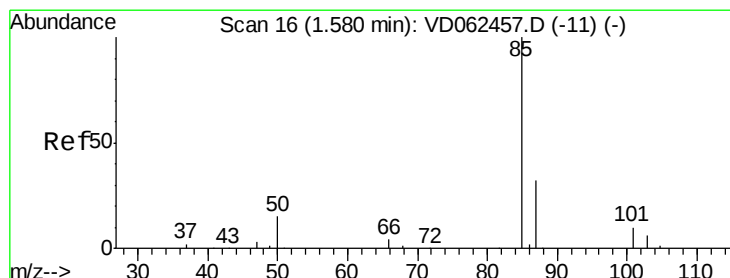
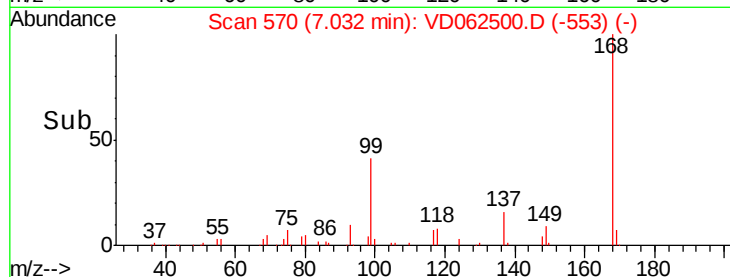
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 24.019 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD062500.D

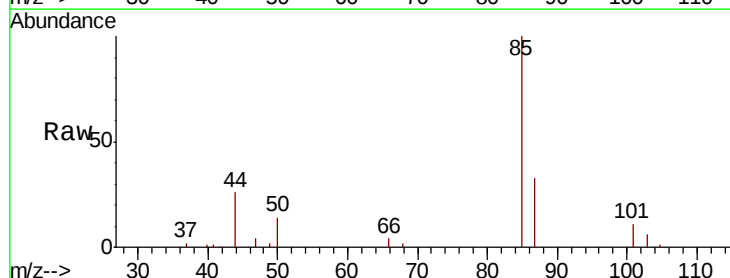
Acq: 22 May 2019 13:40

Tgt Ion: 85 Resp: 172358

Ion Ratio Lower Upper

85 100

87 32.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

100000

80000

60000

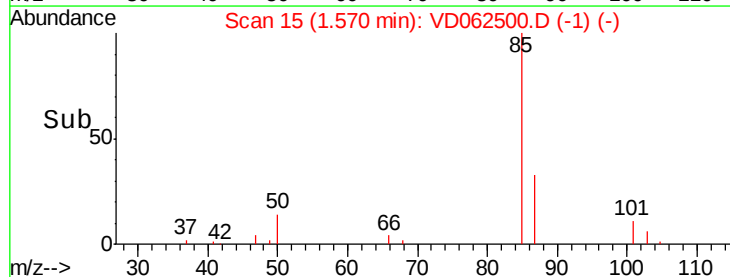
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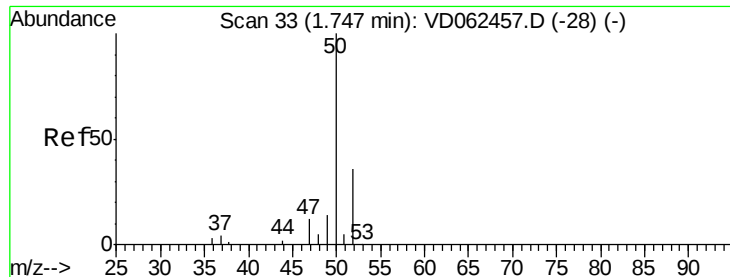
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 20.358 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

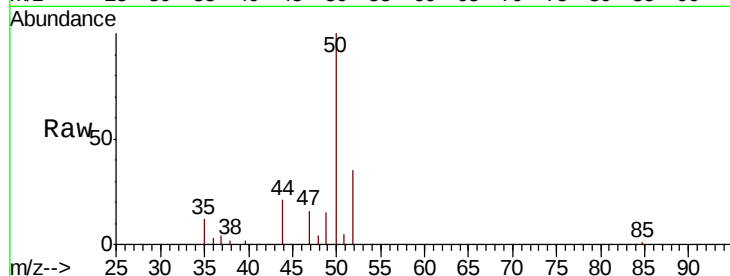
VD0522SBS01

Tot Ion: 50 Resp: 97365

Ion Ratio Lower Upper

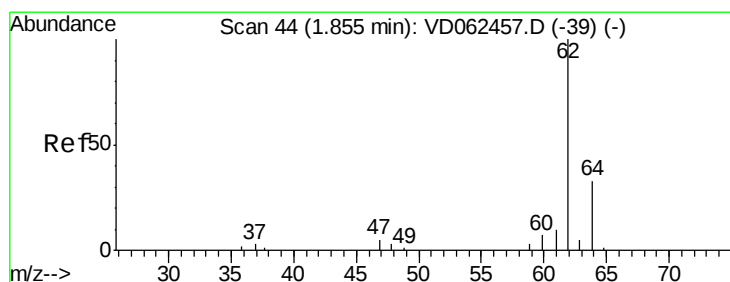
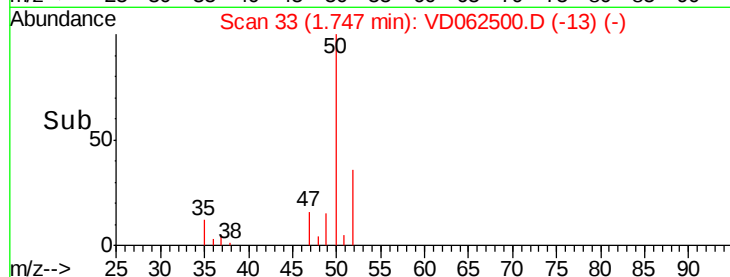
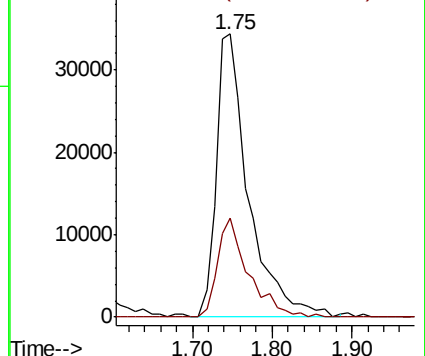
50 100

52 35.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.092 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD062500.D

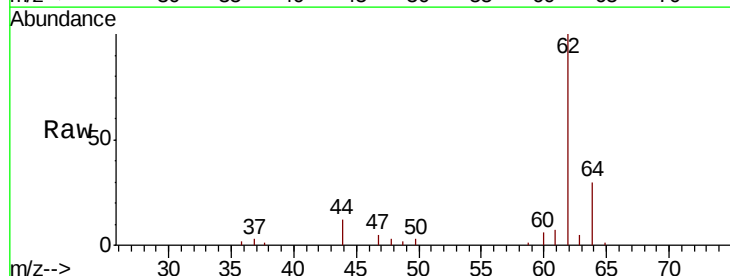
Acq: 22 May 2019 13:40

Tgt Ion: 62 Resp: 86018

Ion Ratio Lower Upper

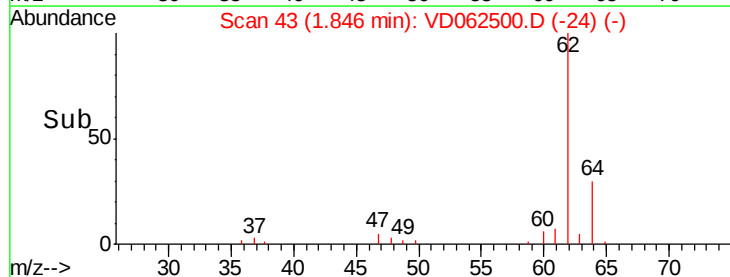
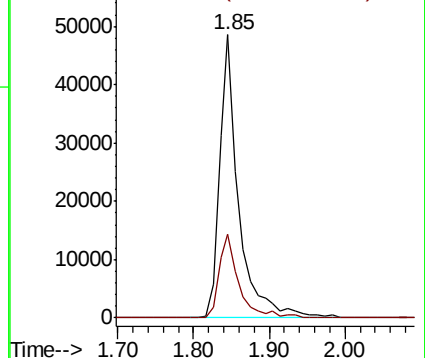
62 100

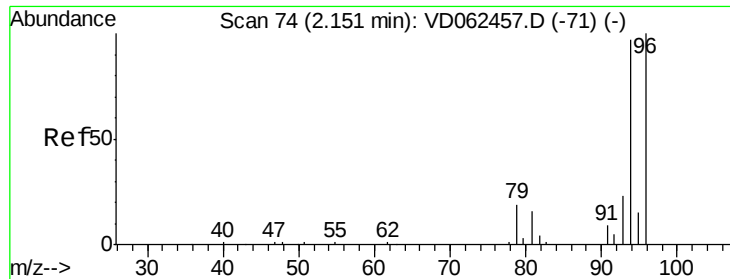
64 29.7 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.697 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

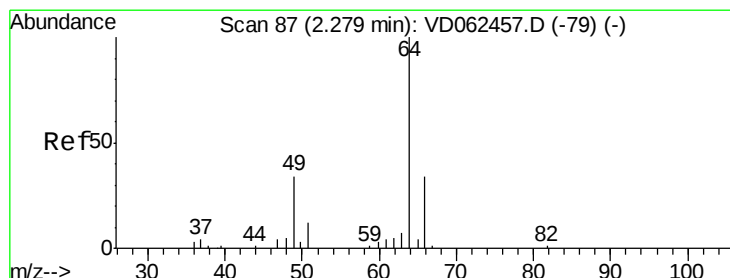
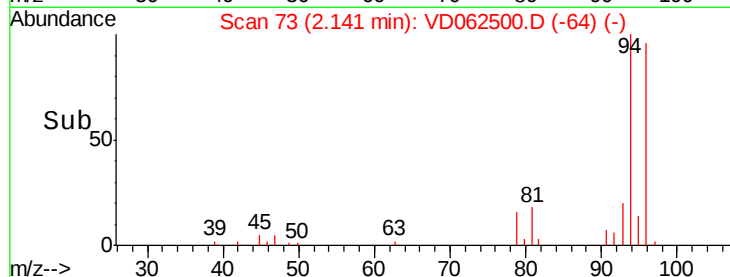
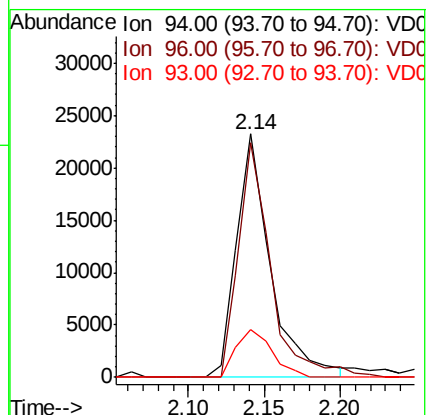
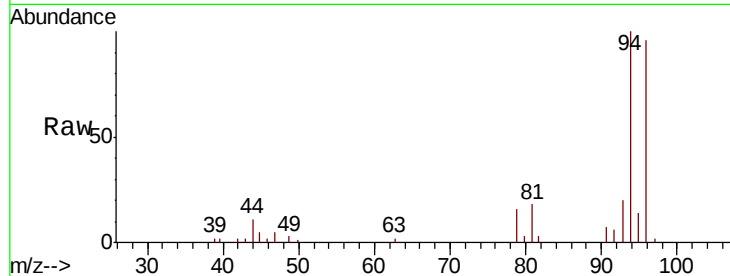
Tot Ion: 94 Resp: 36261

Ion Ratio Lower Upper

94 100

96 96.5 76.6 115.0

93 19.7 18.5 27.7



#6

Chloroethane

Concen: 12.431 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.04 min

Lab File: VD062500.D

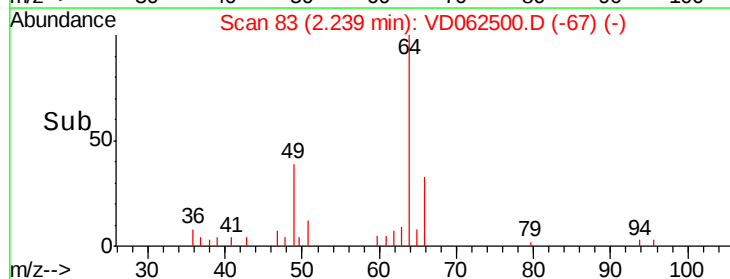
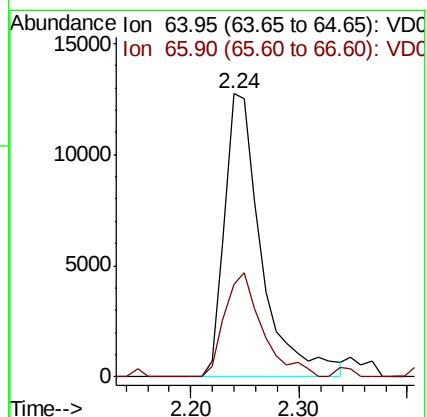
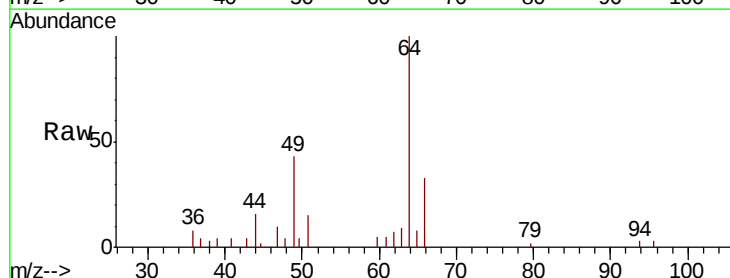
Acq: 22 May 2019 13:40

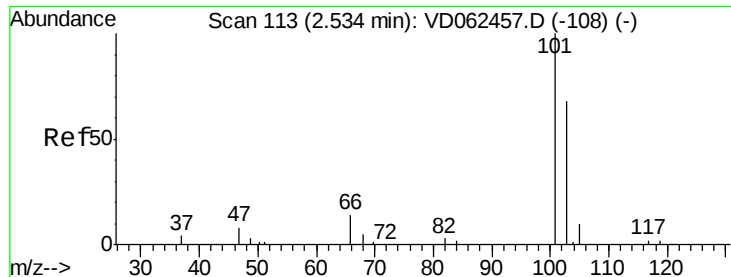
Tgt Ion: 64 Resp: 30265

Ion Ratio Lower Upper

64 100

66 32.9 25.6 38.4



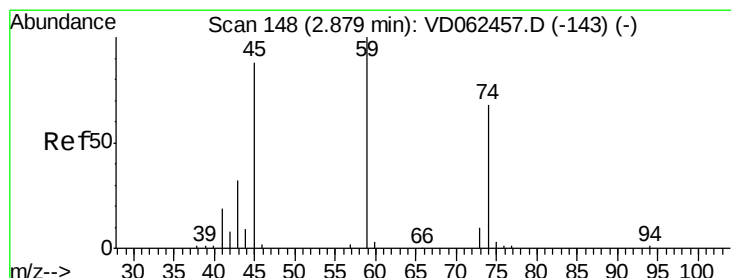
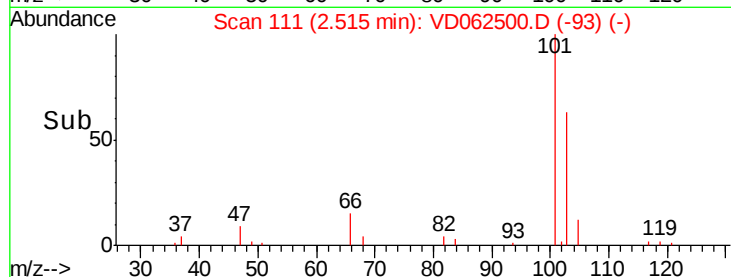
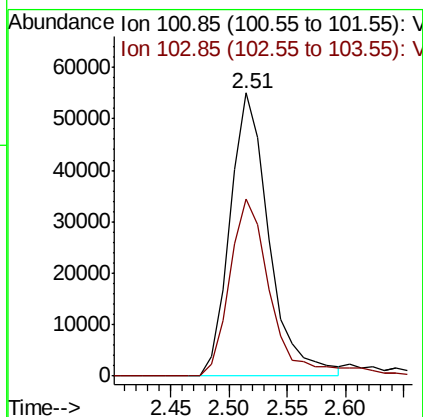
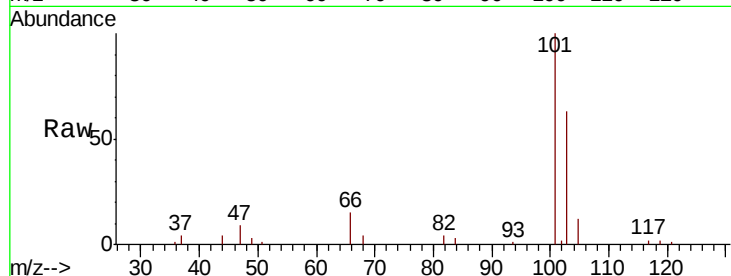


#7

Trichlorofluoromethane
Concen: 10.983 ug/l
RT: 2.51 min Scan# 111
Delta R.T. -0.02 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

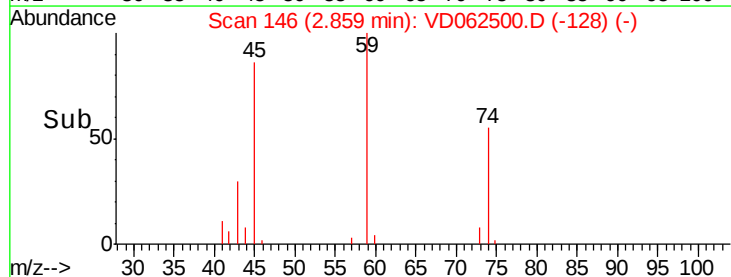
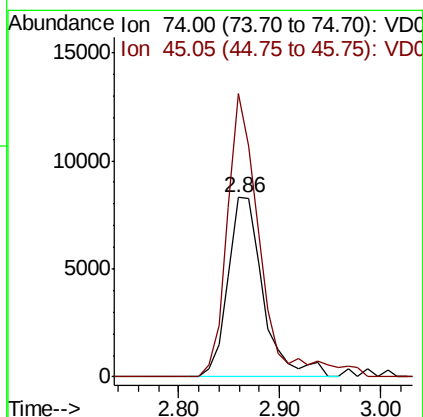
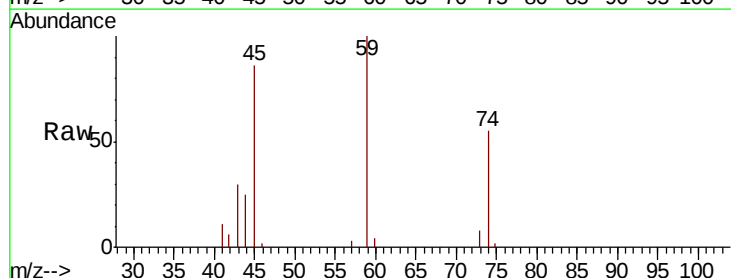
Tot Ion:101 Resp: 127714
Ion Ratio Lower Upper
101 100
103 62.7 53.6 80.4

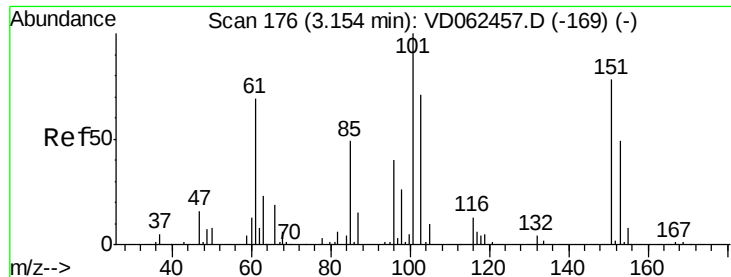


#8

Diethyl Ether
Concen: 12.795 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.02 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

Tgt Ion: 74 Resp: 20071
Ion Ratio Lower Upper
74 100
45 158.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.456 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

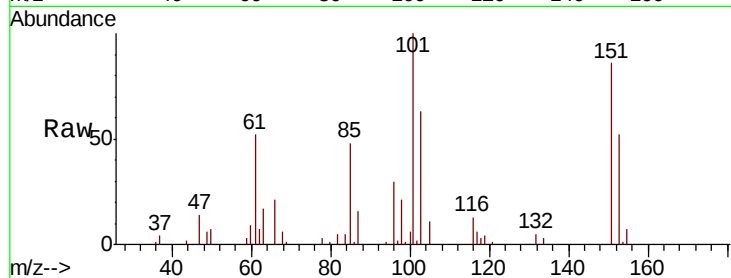
Tot Ion:101 Resp: 93090

Ion Ratio Lower Upper

101 100

85 47.6 32.4 48.6

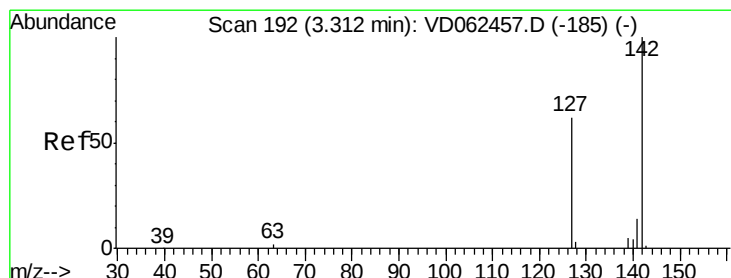
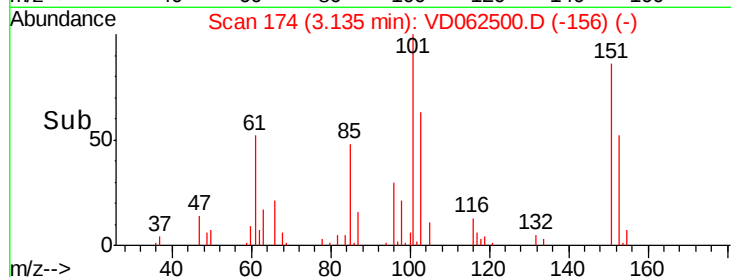
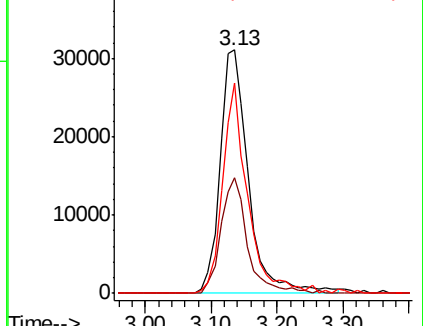
151 86.5 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 15.366 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

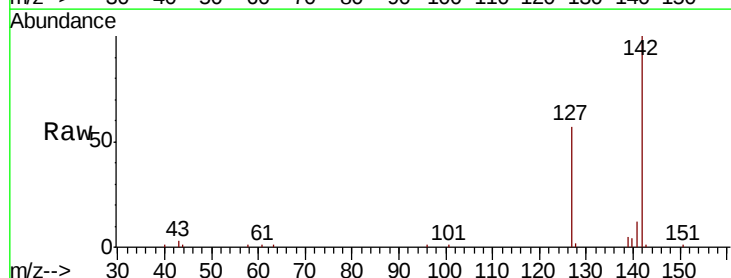
Tgt Ion:142 Resp: 148221

Ion Ratio Lower Upper

142 100

127 57.3 38.8 58.2

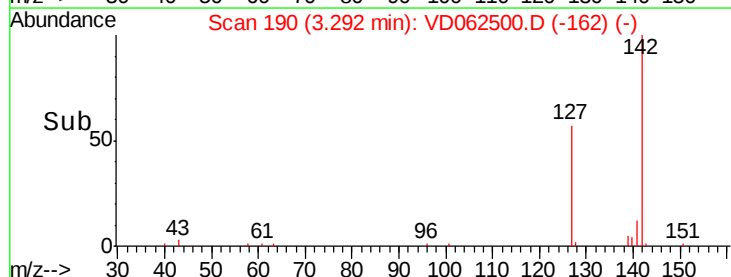
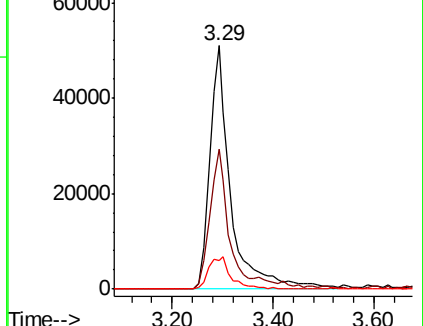
141 11.8 11.4 17.0

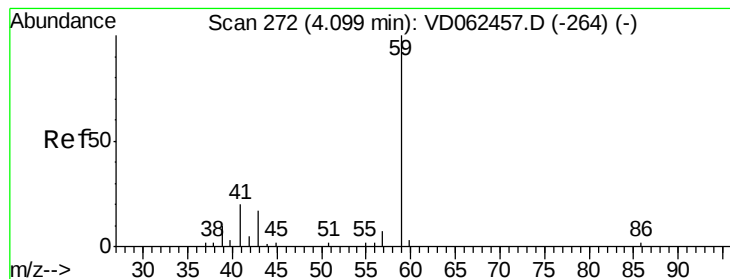


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 74.639 ug/l

RT: 4.08 min Scan# 270

Delta R.T. -0.02 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

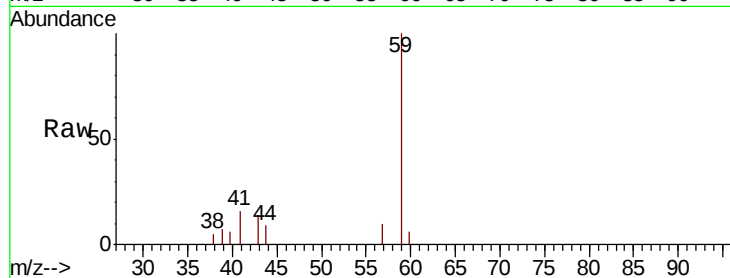
VD0522SBSD01

Tot Ion: 59 Resp: 25460

Ion Ratio Lower Upper

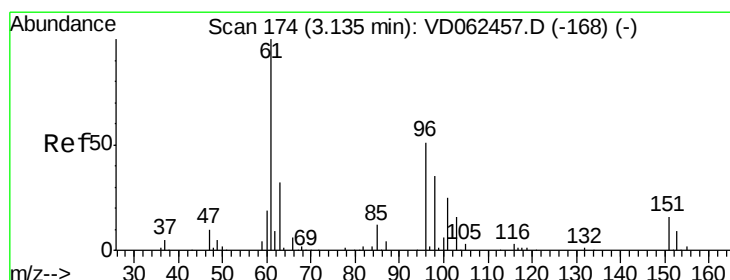
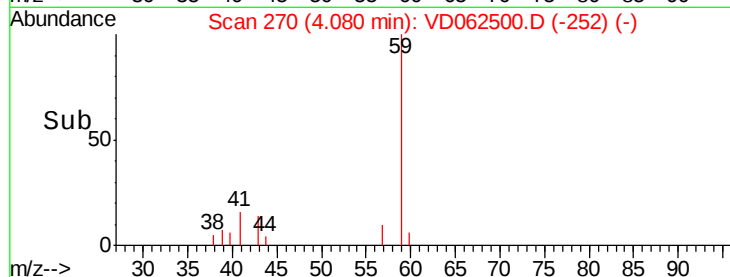
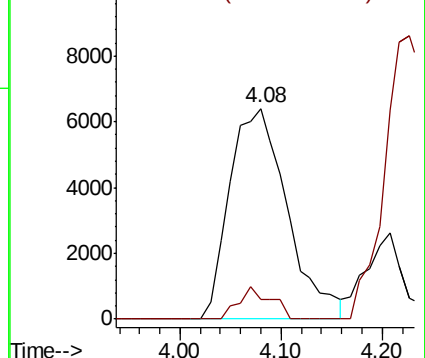
59 100

57 9.5 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: 14.264 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.02 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

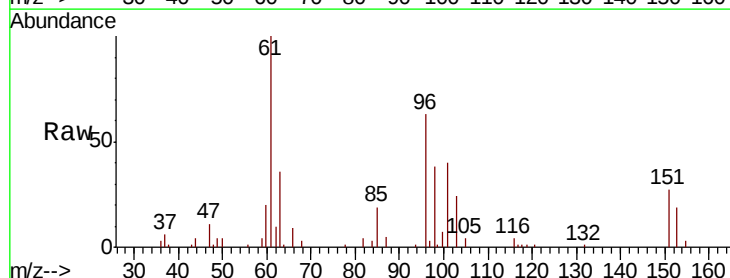
Tgt Ion: 96 Resp: 72929

Ion Ratio Lower Upper

96 100

61 158.5 129.8 194.8

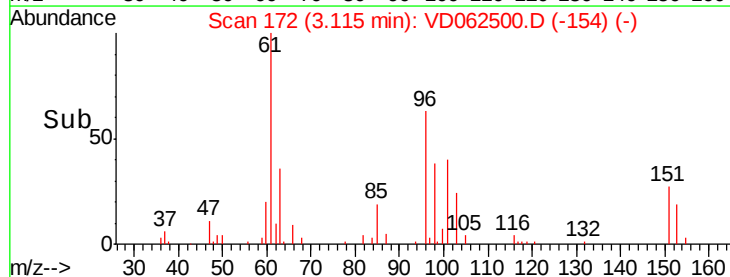
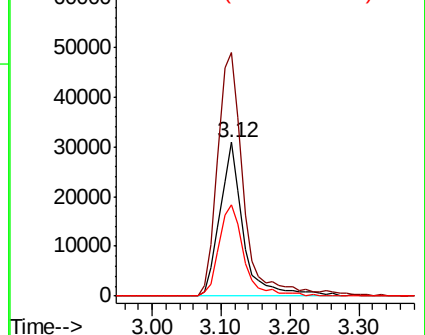
98 59.8 51.2 76.8

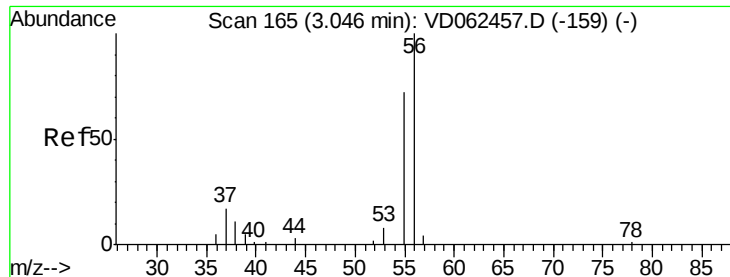


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 67.959 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

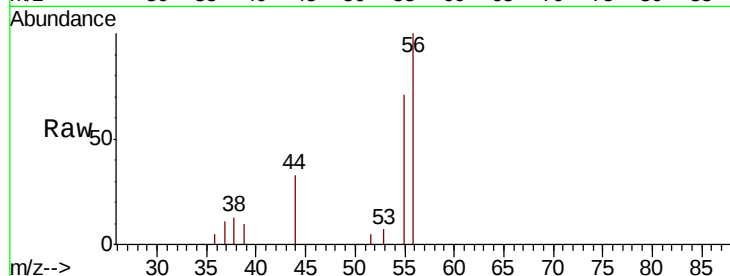
VD0522SBS01

Tot Ion: 56 Resp: 19251

Ion Ratio Lower Upper

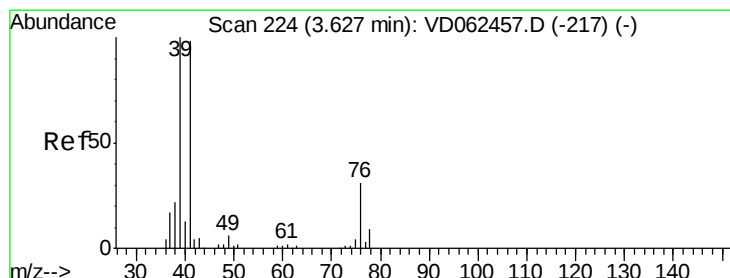
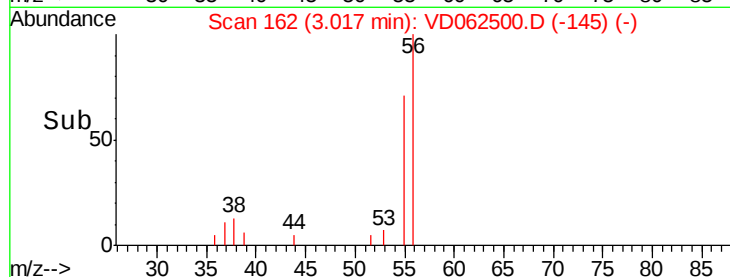
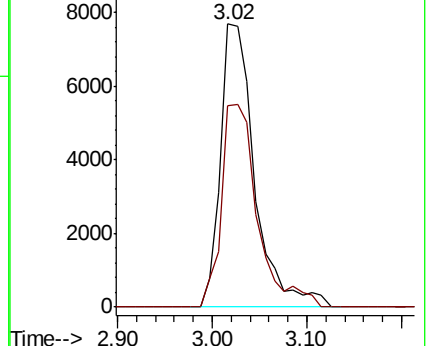
56 100

55 71.0 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 14.952 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

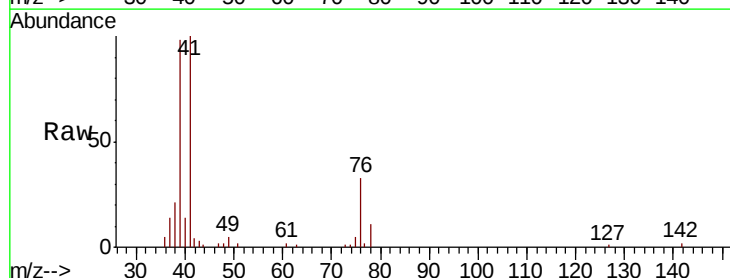
Tgt Ion: 41 Resp: 112720

Ion Ratio Lower Upper

41 100

39 98.4 60.5 90.7#

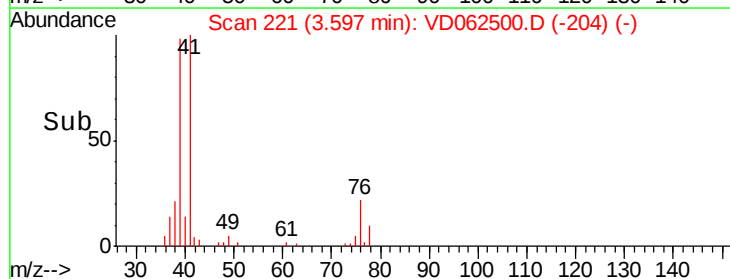
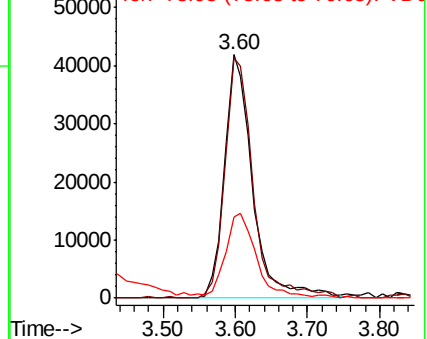
76 33.2 31.8 47.8

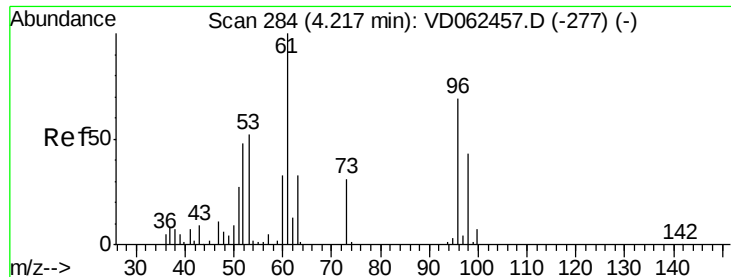


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

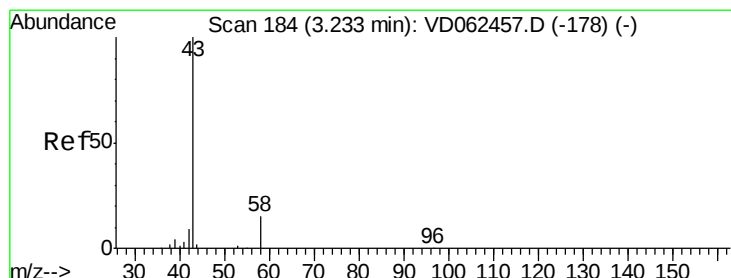
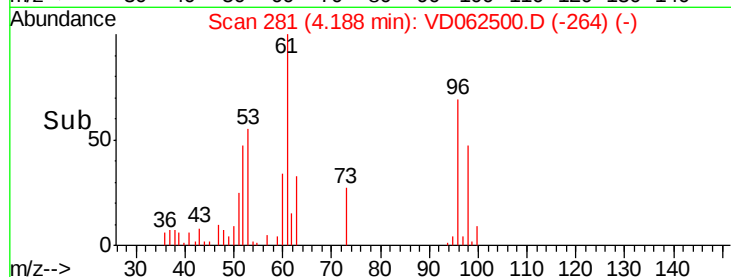
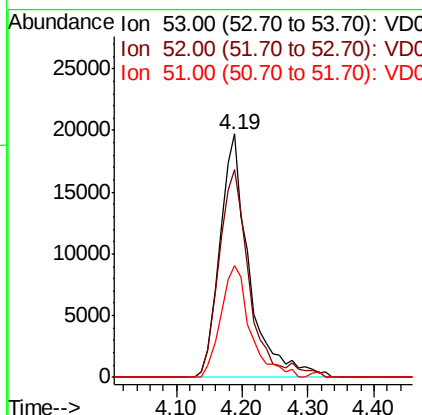
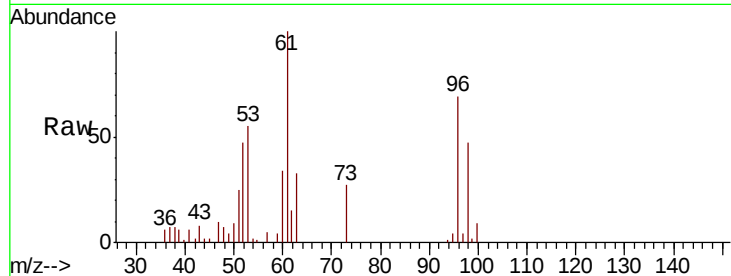




#15
 Acrylonitrile
 Concen: 77.998 ug/l
 RT: 4.19 min Scan# 281
 Delta R.T. -0.03 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

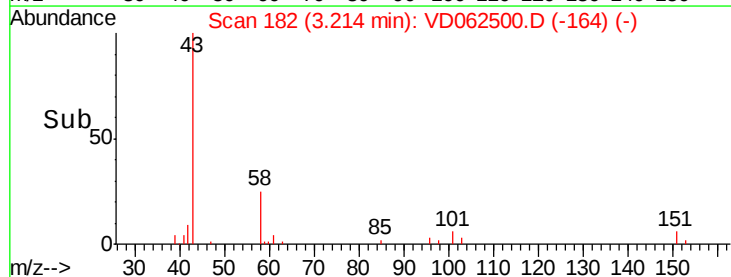
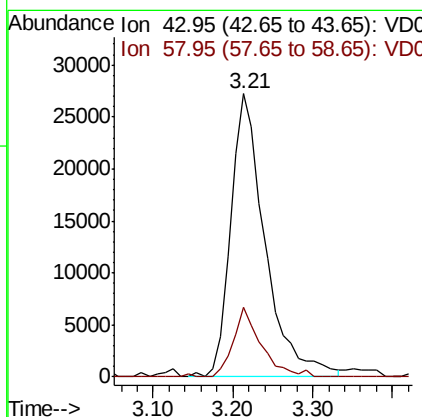
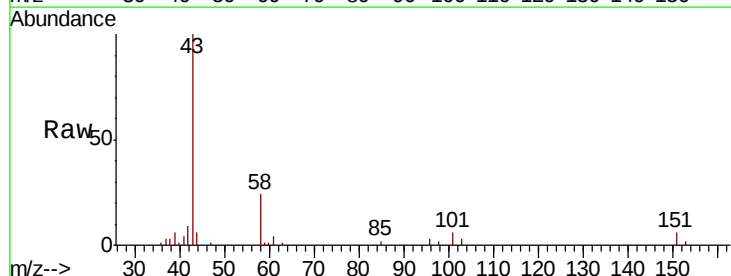
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

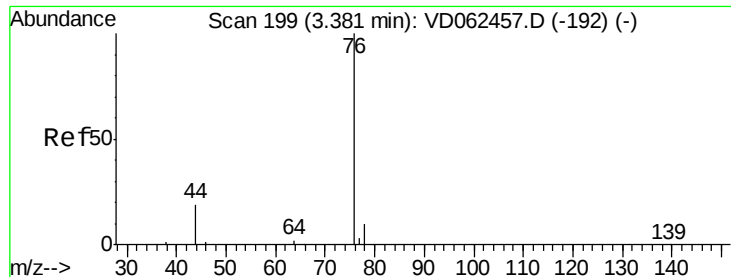
Tot Ion	53	Resp	60966
Ion	Ratio	Lower	Upper
53	100		
52	85.4	65.0	97.4
51	45.8	32.6	48.8



#16
 Acetone
 Concen: 61.636 ug/l
 RT: 3.21 min Scan# 182
 Delta R.T. -0.02 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

Tgt Ion	43	Resp	81623
Ion	Ratio	Lower	Upper
43	100		
58	24.4	19.9	29.9

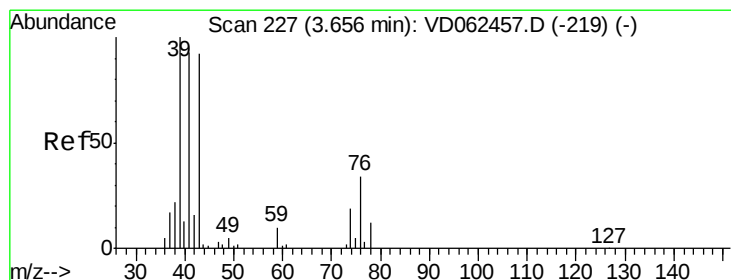
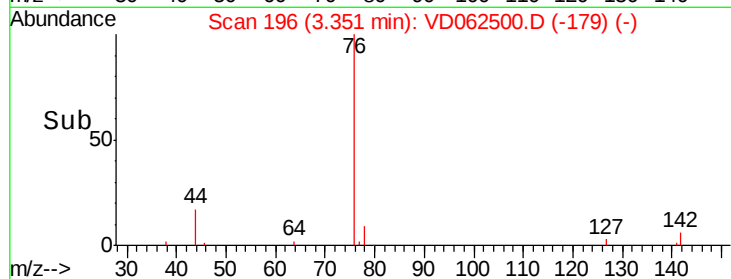
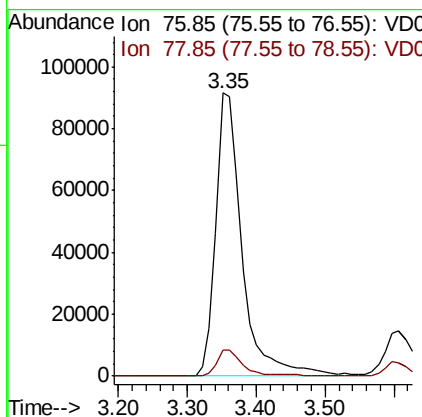
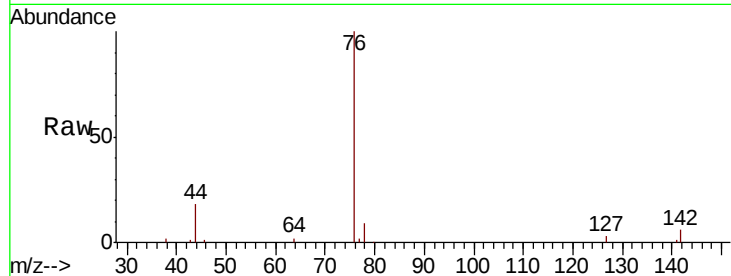




#17
Carbon Disulfide
Concen: 15.641 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.03 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

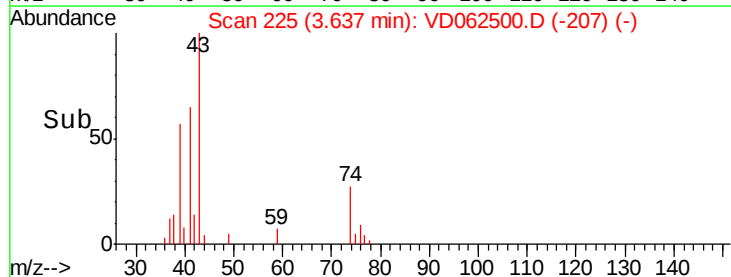
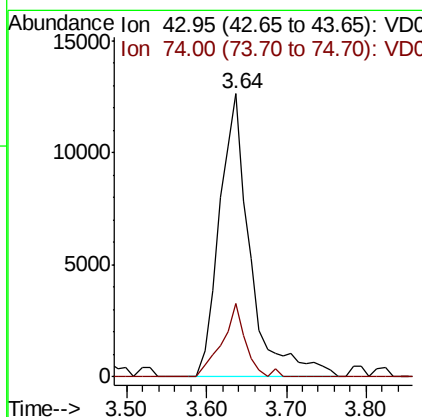
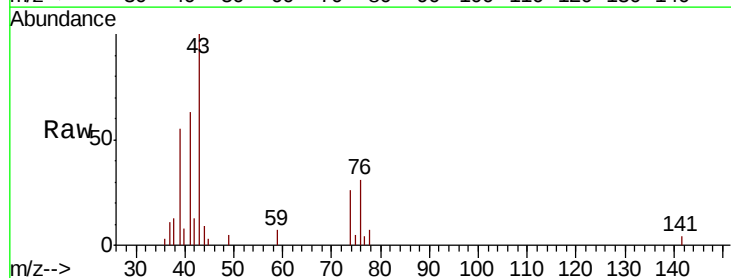
Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

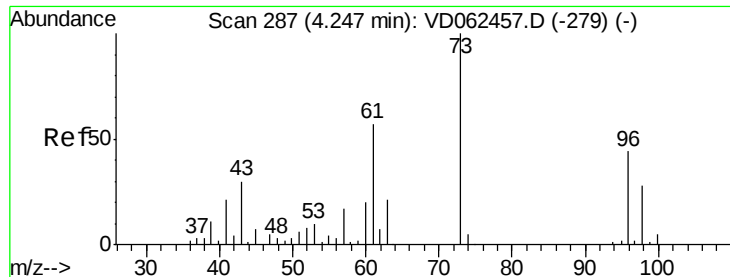
Tot Ion: 76 Resp: 242191
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 15.021 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.02 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

Tgt Ion: 43 Resp: 34326
Ion Ratio Lower Upper
43 100
74 25.8 18.0 27.0

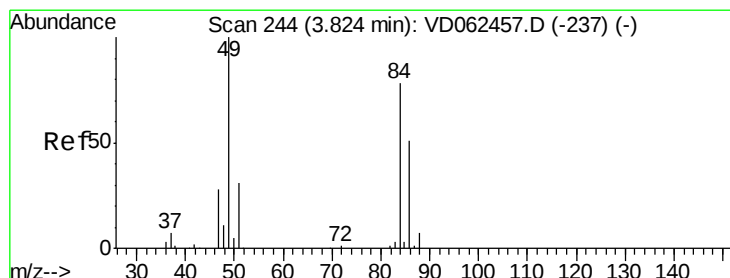
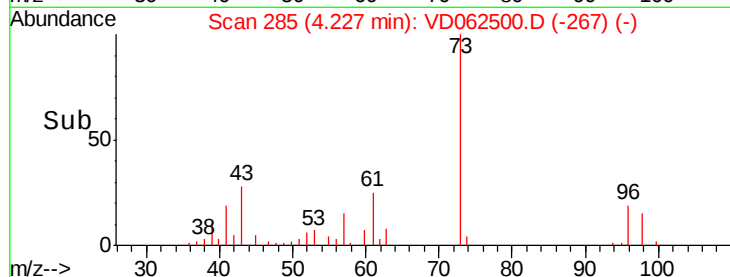
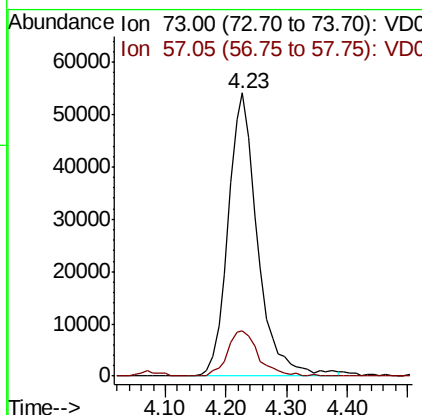
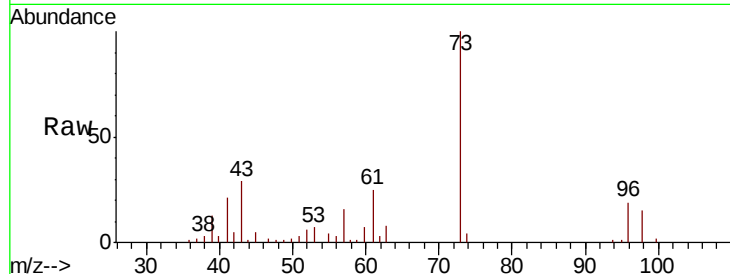




#19
Methyl tert-butyl Ether
Concen: 15.432 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

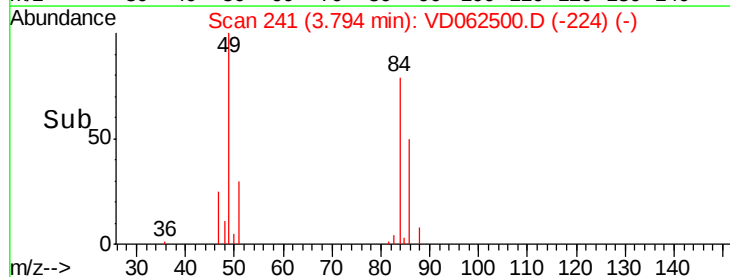
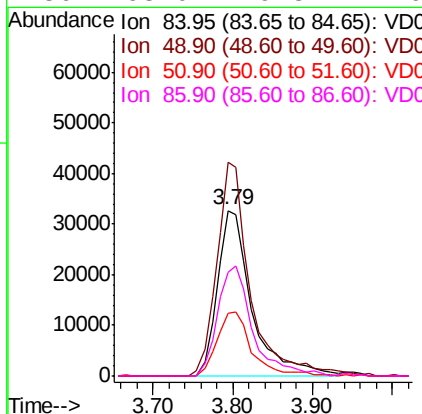
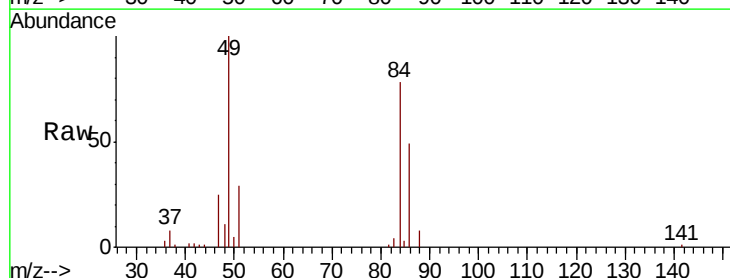
Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

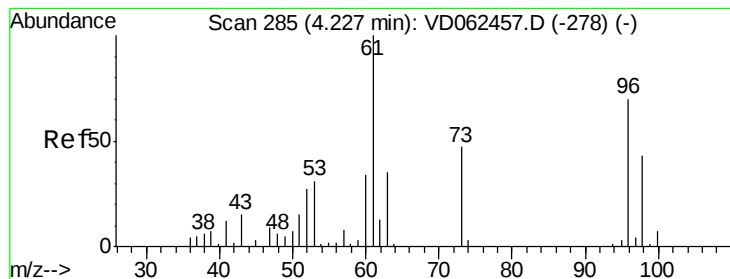
Tot Ion: 73 Resp: 182229
Ion Ratio Lower Upper
73 100
57 15.9 16.3 24.5#



#20
Methylene Chloride
Concen: 12.941 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

Tgt Ion: 84 Resp: 99311
Ion Ratio Lower Upper
84 100
49 129.0 94.0 141.0
51 37.7 29.0 43.4
86 63.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 15.458 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

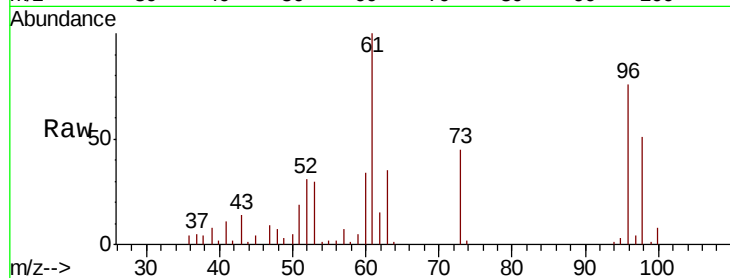
Tot Ion: 96 Resp: 92520

Ion Ratio Lower Upper

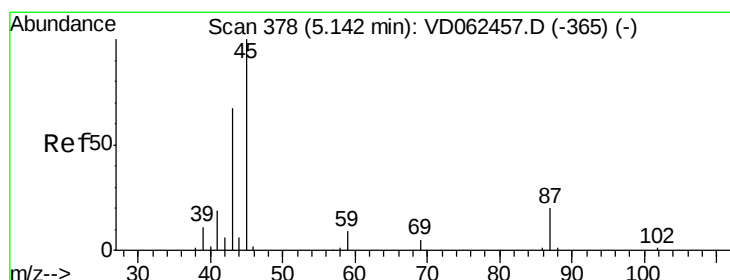
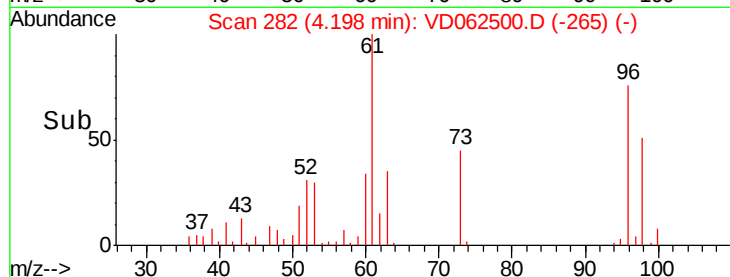
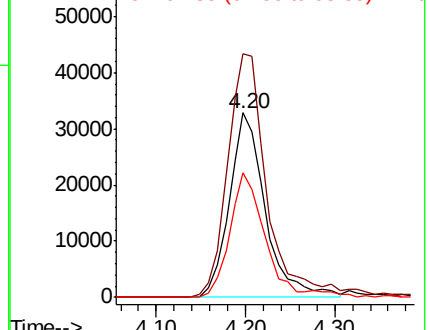
96 100

61 132.0 104.4 156.6

98 67.8 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: 16.052 ug/l

RT: 5.10 min Scan# 374

Delta R.T. -0.04 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Tgt Ion: 45 Resp: 257568

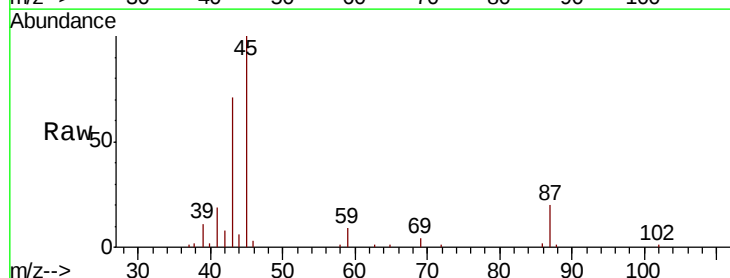
Ion Ratio Lower Upper

45 100

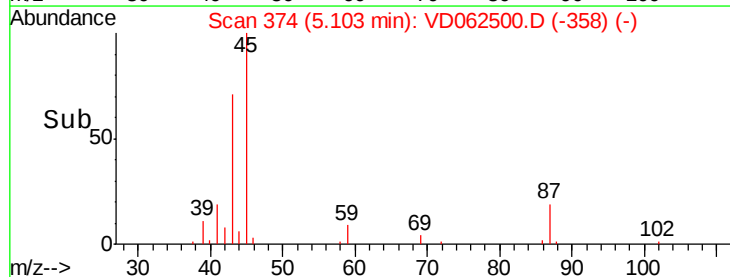
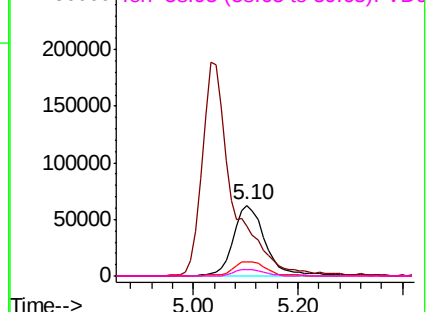
43 70.8 46.2 69.2#

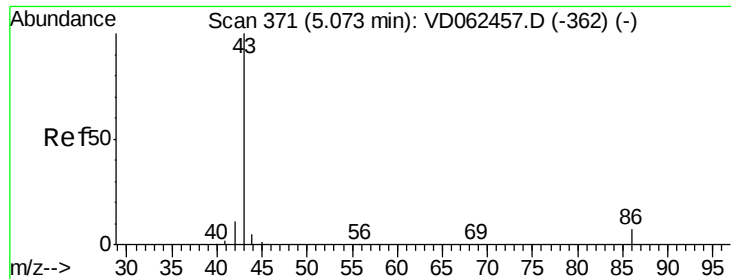
87 19.6 15.9 23.9

59 8.9 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: 77.815 ug/l

RT: 5.03 min Scan# 367

Delta R.T. -0.04 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

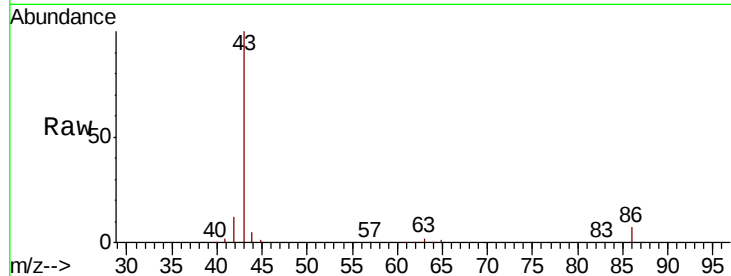
VD0522SBS01

Tot Ion: 43 Resp: 754485

Ion Ratio Lower Upper

43 100

86 7.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD062500.D (-367) (-)

Ion 86.00 (85.70 to 86.70): VD062500.D (-367) (-)

5.03

200000

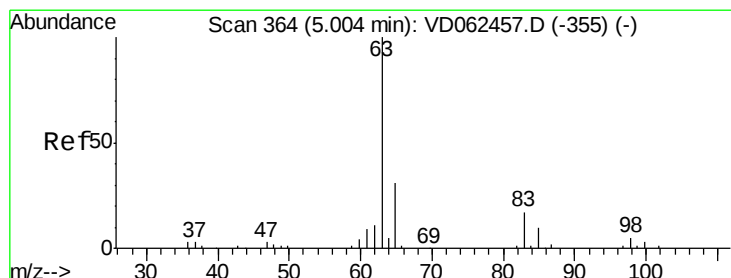
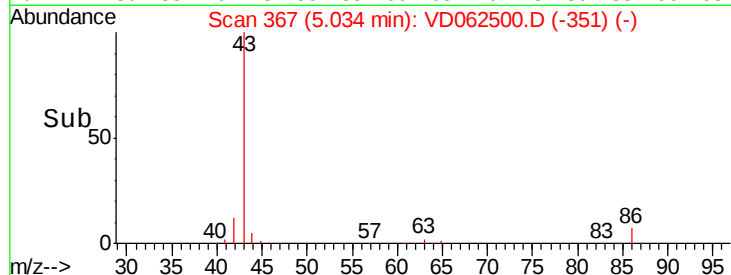
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 15.578 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.05 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

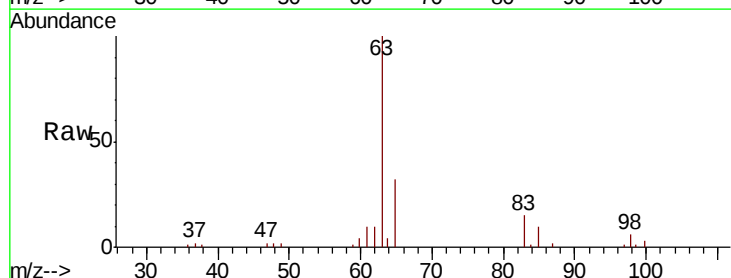
Tgt Ion: 63 Resp: 160985

Ion Ratio Lower Upper

63 100

98 6.9 2.8 8.4

100 3.4 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD062500.D (-359) (-)

Ion 97.95 (97.65 to 98.65): VD062500.D (-359) (-)

Ion 99.95 (99.65 to 100.65): VD062500.D (-359) (-)

4.96

60000

50000

40000

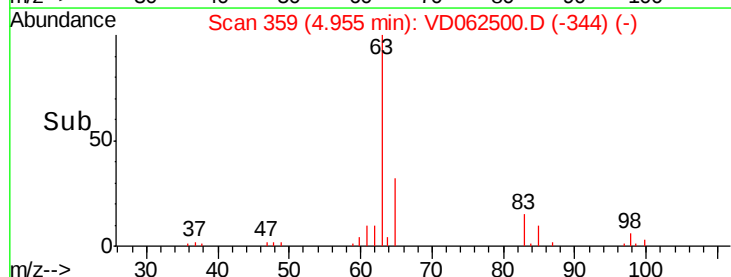
30000

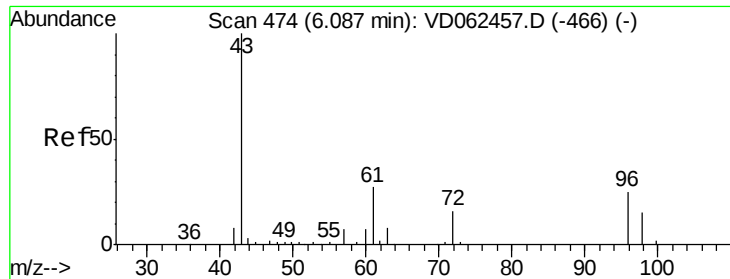
20000

10000

0

Time-->





#25

2-Butanone

Concen: 105.804 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

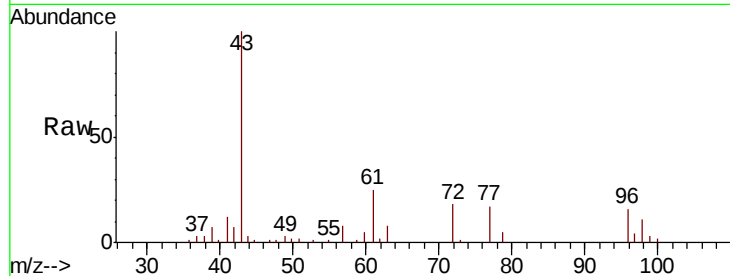
VD0522SBS01

Tot Ion: 43 Resp: 146545

Ion Ratio Lower Upper

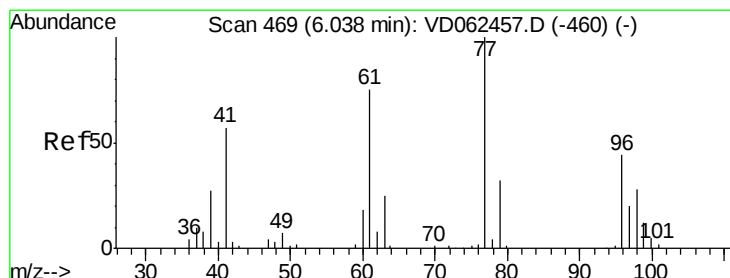
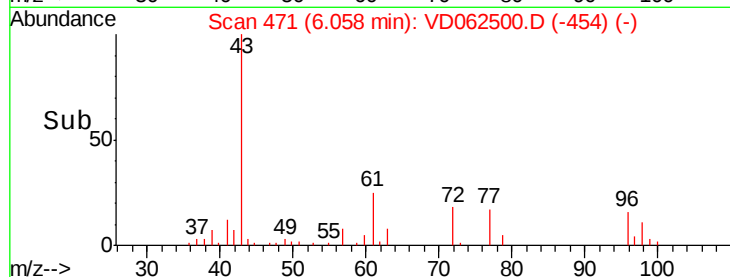
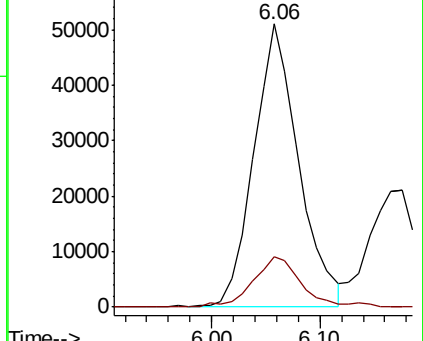
43 100

72 18.0 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.834 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD062500.D

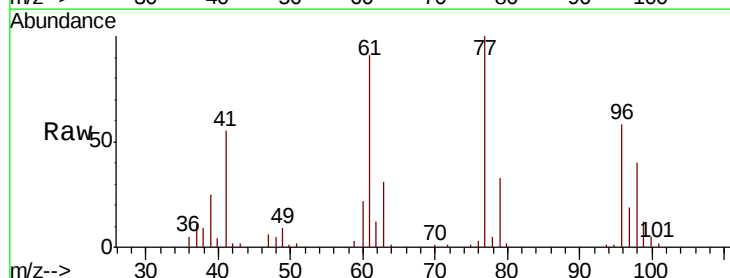
Acq: 22 May 2019 13:40

Tgt Ion: 77 Resp: 232094

Ion Ratio Lower Upper

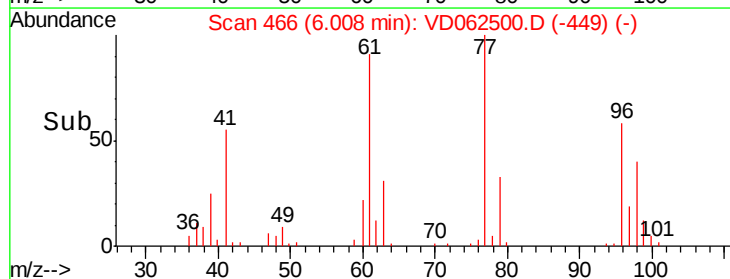
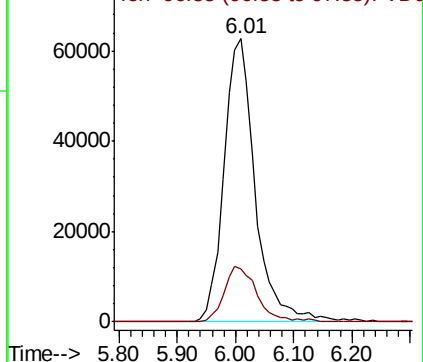
77 100

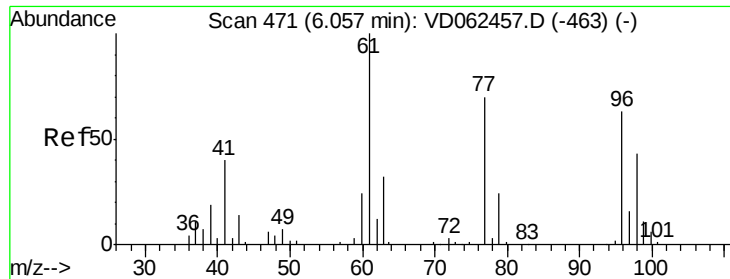
97 18.7 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



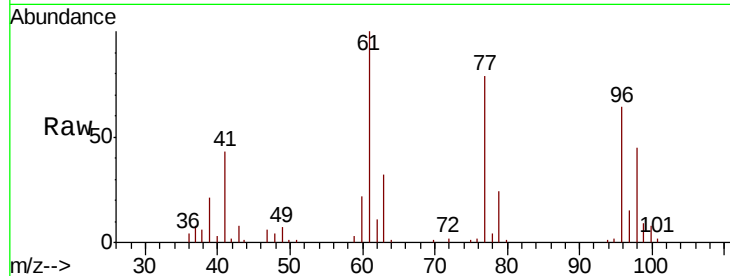


#27

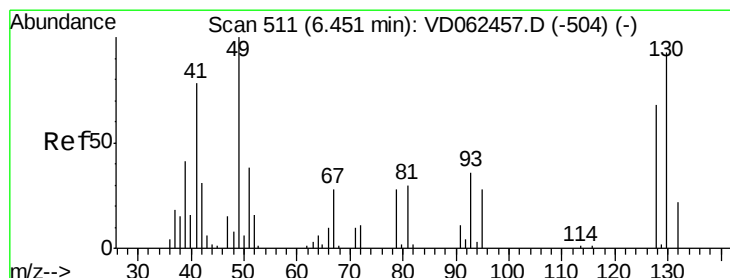
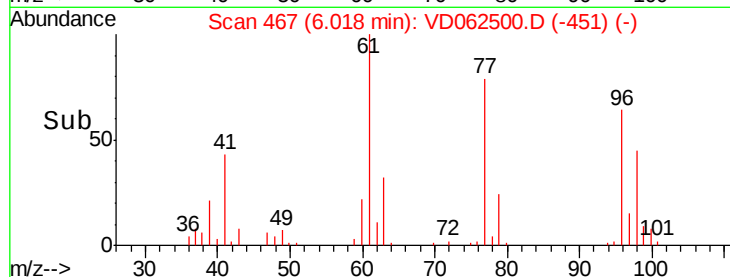
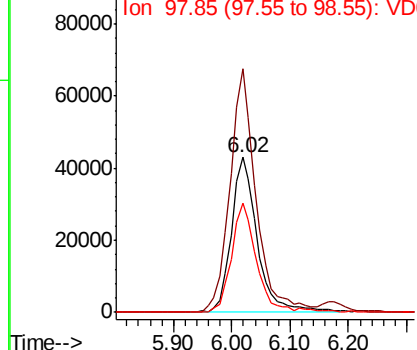
cis-1,2-Dichloroethene
Concen: 20.468 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.04 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.0	0.0	279.8
98	70.6	0.0	136.0



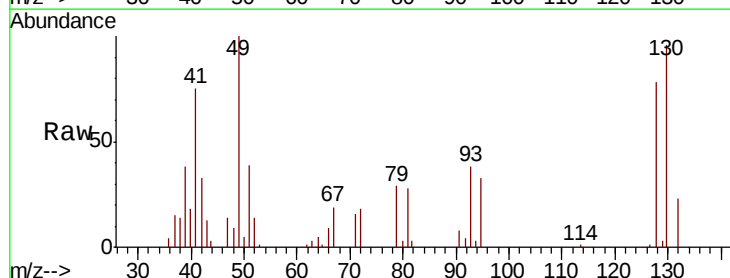
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



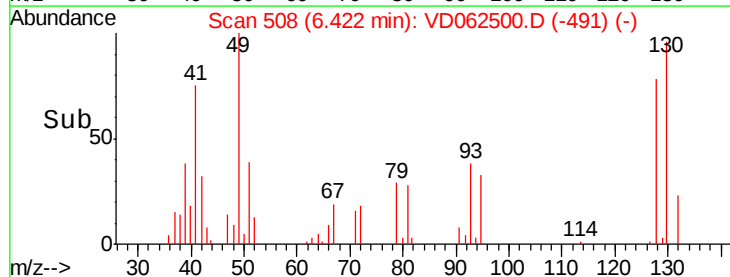
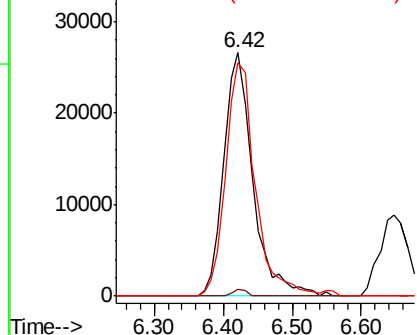
#28

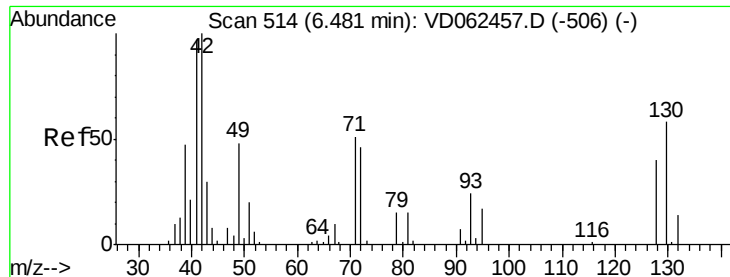
Bromochloromethane
Concen: 21.041 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	6.6
130	95.9	86.7	130.1



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





#29

Tetrahydrofuran

Concen: 97.874 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.04 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

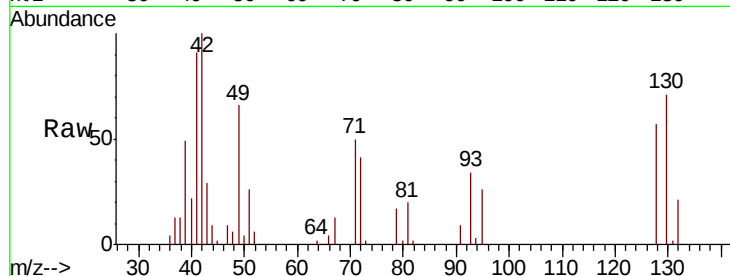
Tot Ion: 42 Resp: 64743

Ion Ratio Lower Upper

42 100

72 44.2 37.8 56.6

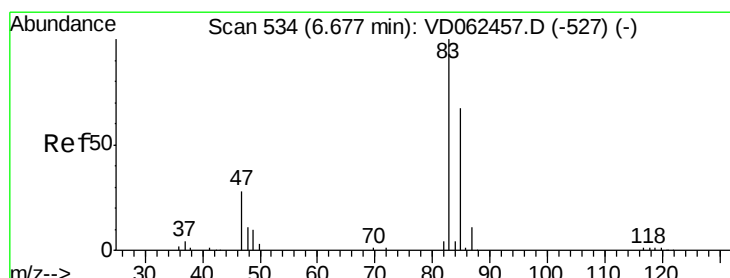
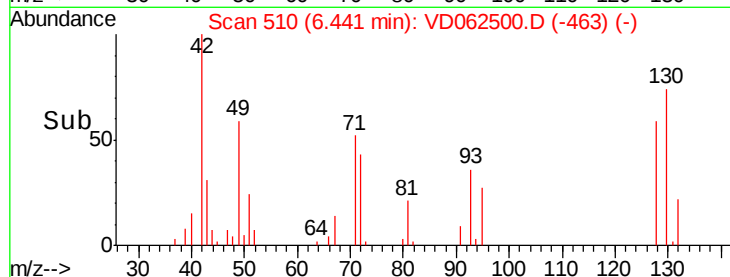
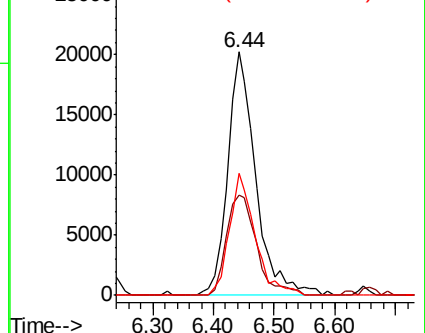
71 46.2 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.988 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.03 min

Lab File: VD062500.D

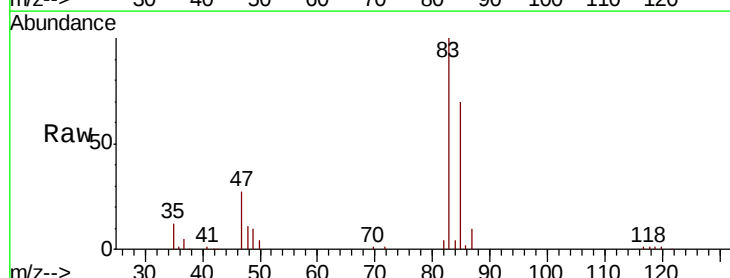
Acq: 22 May 2019 13:40

Tgt Ion: 83 Resp: 276511

Ion Ratio Lower Upper

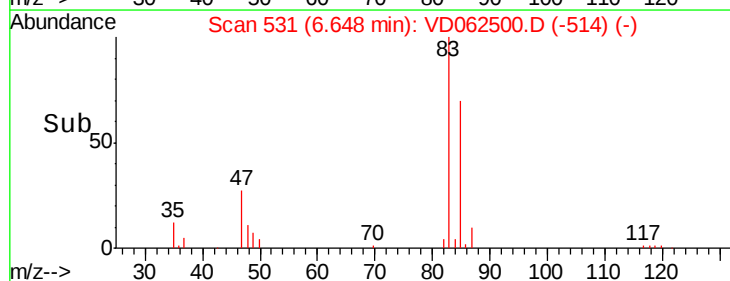
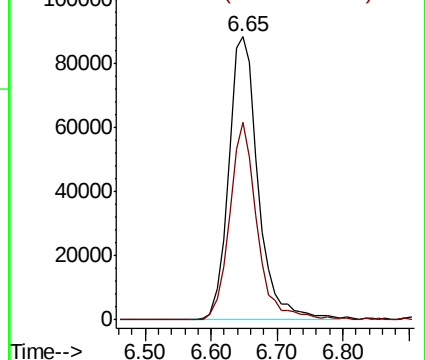
83 100

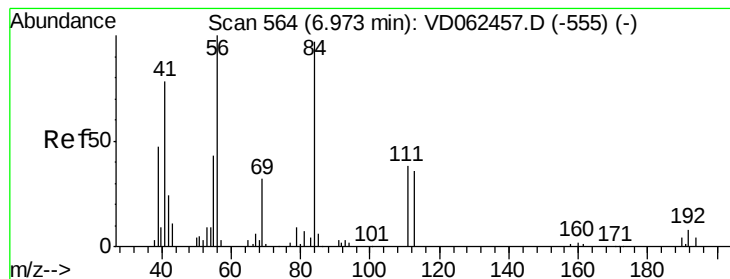
85 69.7 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 20.805 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.04 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

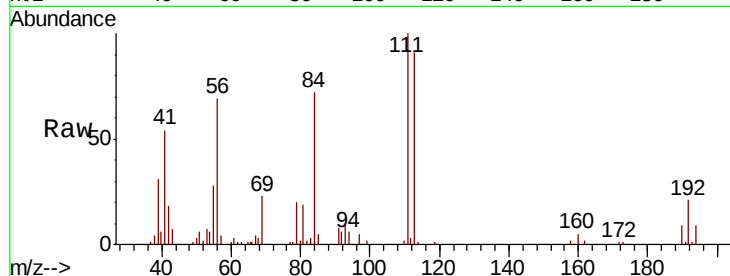
Tot Ion: 56 Resp: 145172

Ion Ratio Lower Upper

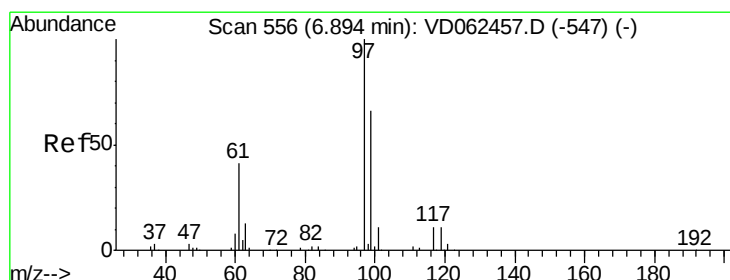
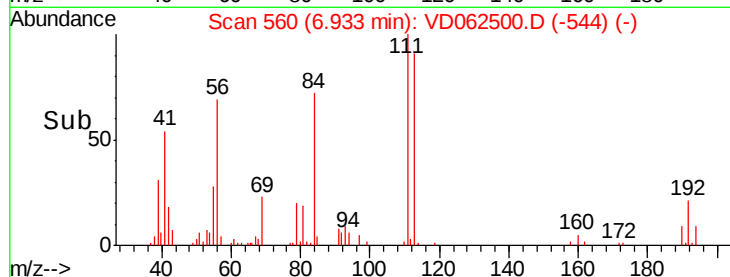
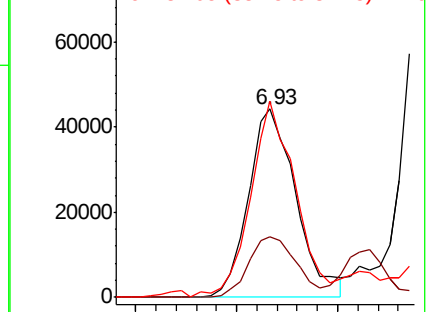
56 100

69 32.4 25.8 38.6

84 104.1 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 21.195 ug/l

RT: 6.85 min Scan# 552

Delta R.T. -0.04 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

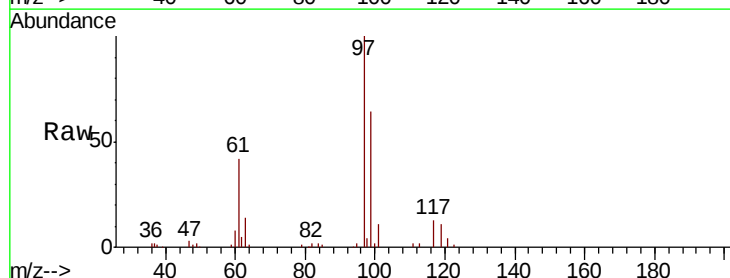
Tgt Ion: 97 Resp: 281925

Ion Ratio Lower Upper

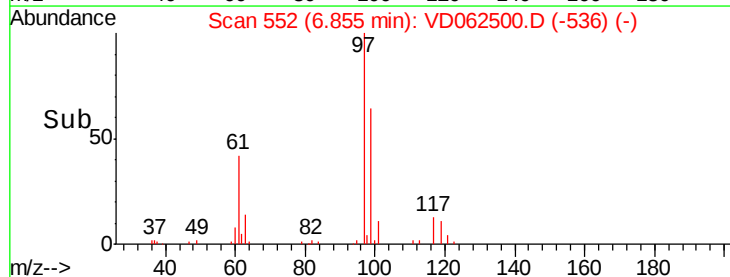
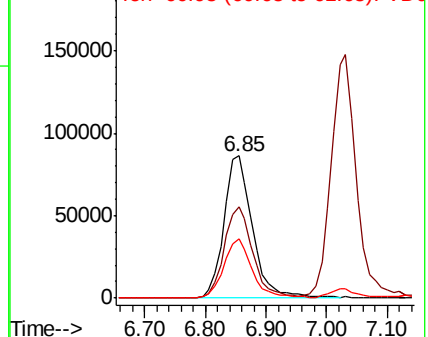
97 100

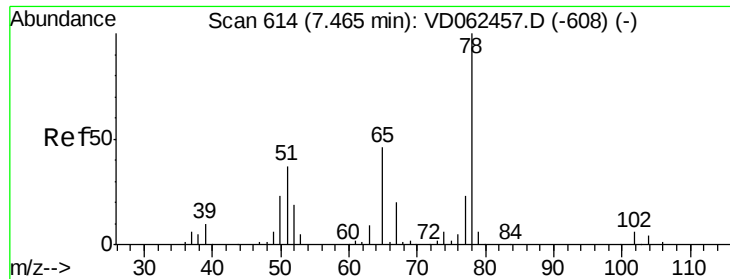
99 64.1 52.2 78.2

61 42.1 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 55.552 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

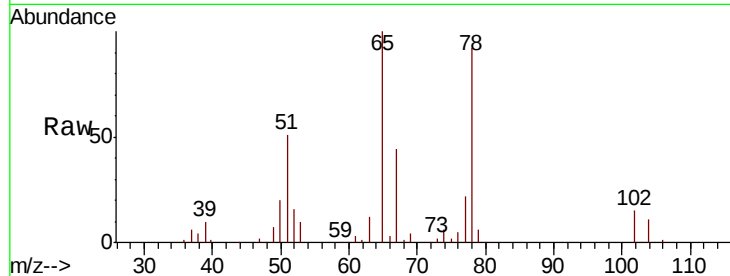
VD0522SBSD01

Tot Ion: 65 Resp: 410526

Ion Ratio Lower Upper

65 100

67 43.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

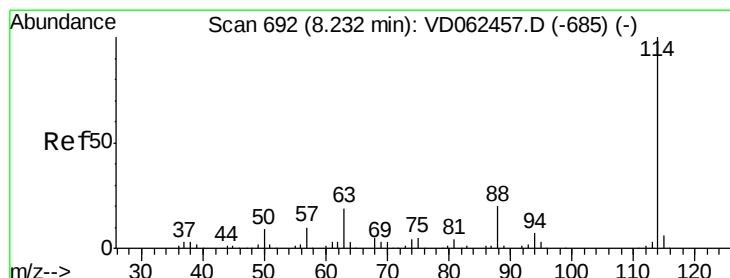
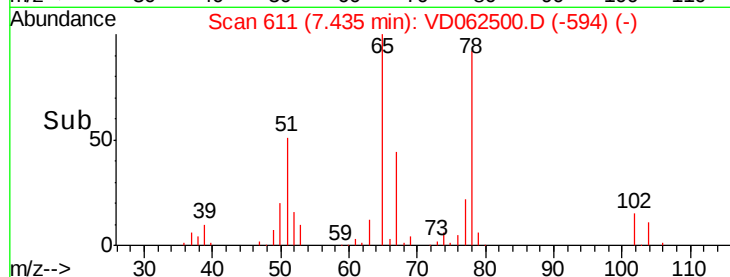
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

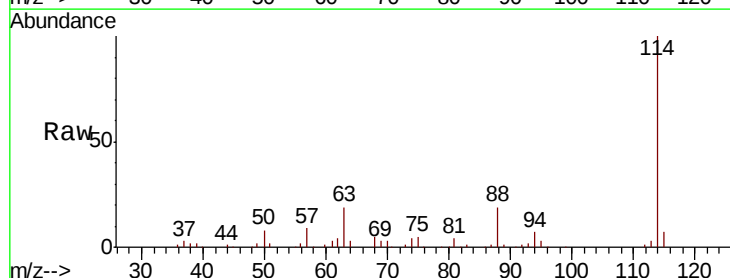
Tgt Ion: 114 Resp: 945422

Ion Ratio Lower Upper

114 100

63 19.1 0.0 32.4

88 18.6 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

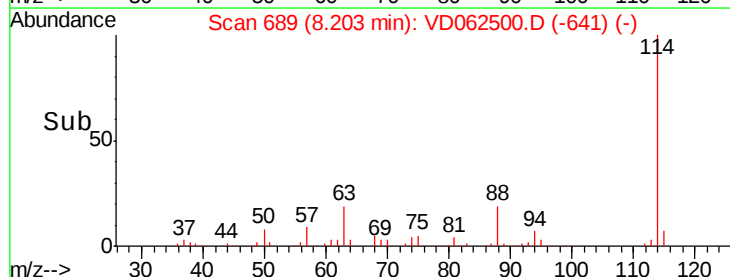
300000

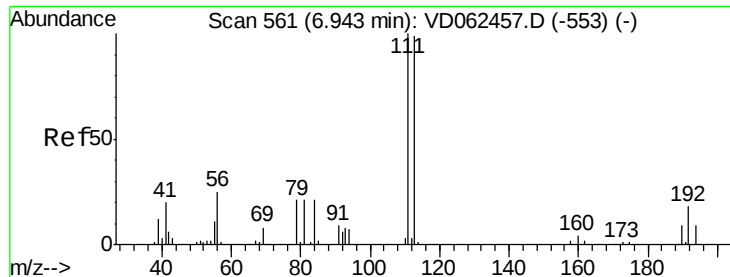
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 52.982 ug/l

RT: 6.90 min Scan# 557

Delta R.T. -0.04 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

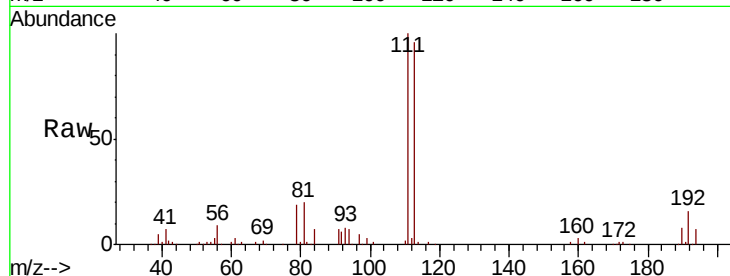
Tot Ion:113 Resp: 451877

Ion Ratio Lower Upper

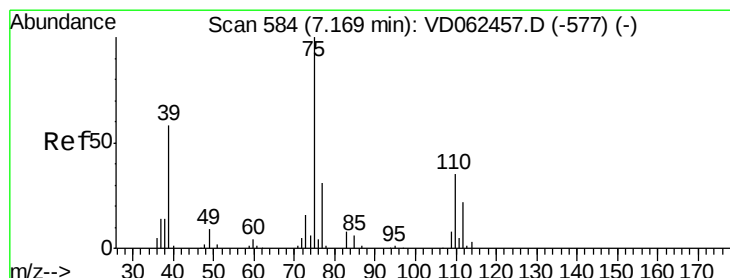
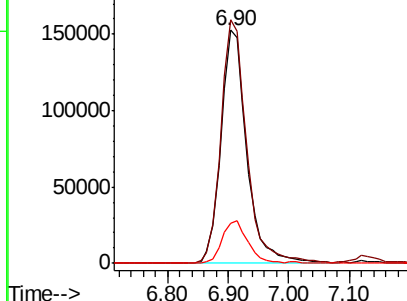
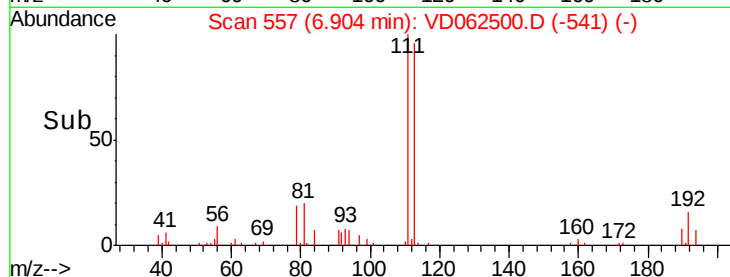
113 100

111 104.5 78.5 117.7

192 17.0 13.0 19.4



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



#36

1,1-Dichloropropene

Concen: 21.975 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.04 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

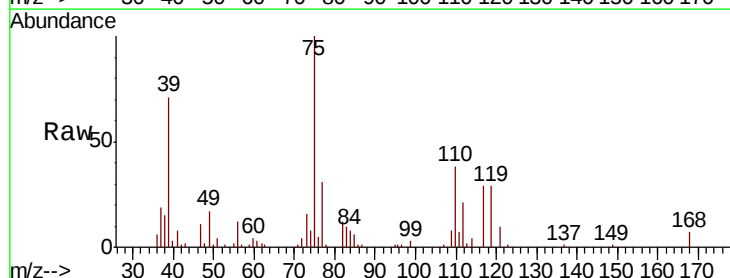
Tgt Ion: 75 Resp: 198629

Ion Ratio Lower Upper

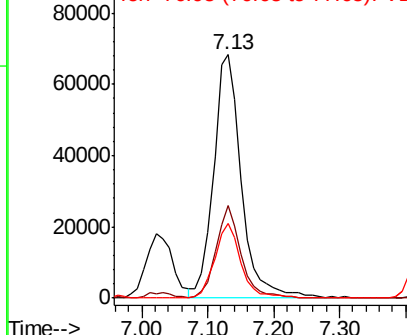
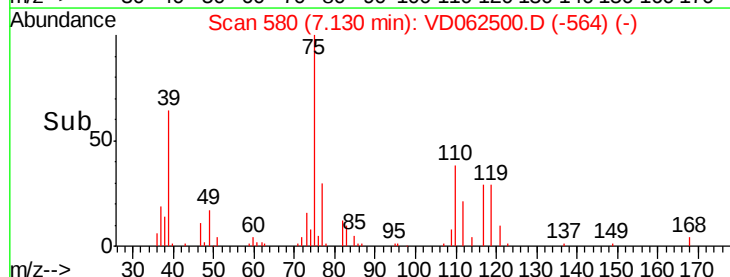
75 100

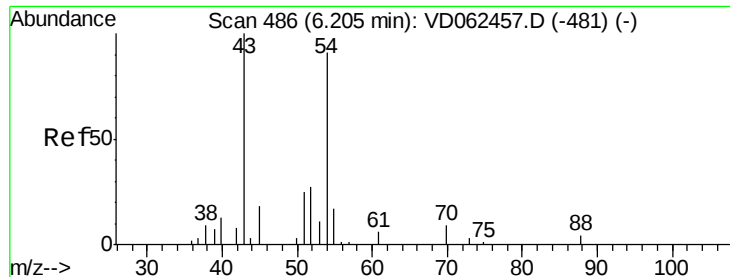
110 38.3 19.1 57.1

77 30.8 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 21.226 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

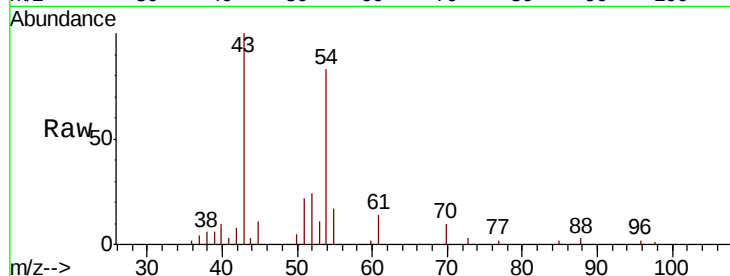
Tot Ion: 43 Resp: 74532

Ion Ratio Lower Upper

43 100

61 13.7 14.7 22.1#

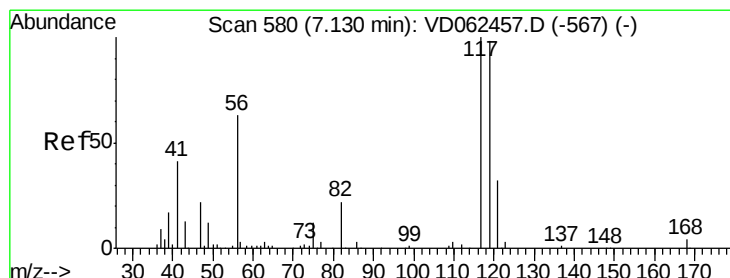
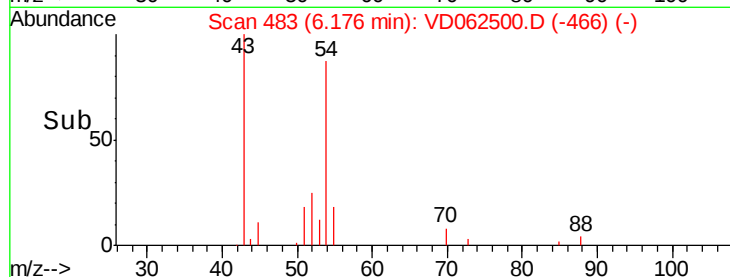
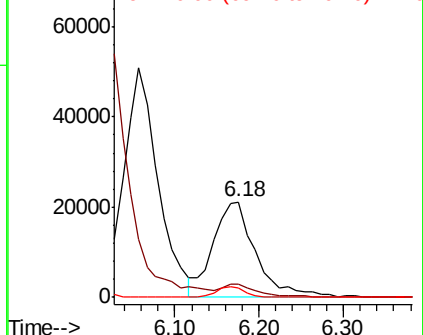
70 9.8 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VD062457.D (-481) (-)

Ion 60.95 (60.65 to 61.65): VD062457.D (-481) (-)

Ion 70.00 (69.70 to 70.70): VD062457.D (-481) (-)



#38

Carbon Tetrachloride

Concen: 20.680 ug/l

RT: 7.09 min Scan# 576

Delta R.T. -0.04 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

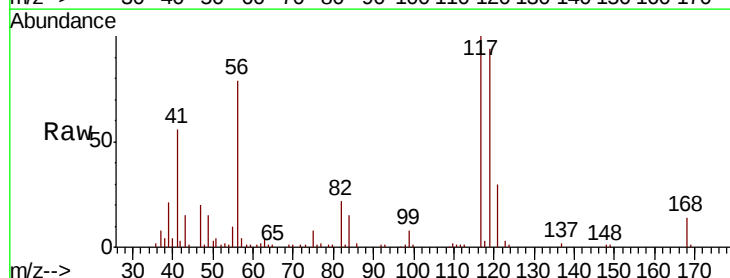
Tgt Ion: 117 Resp: 277811

Ion Ratio Lower Upper

117 100

119 93.7 75.8 113.8

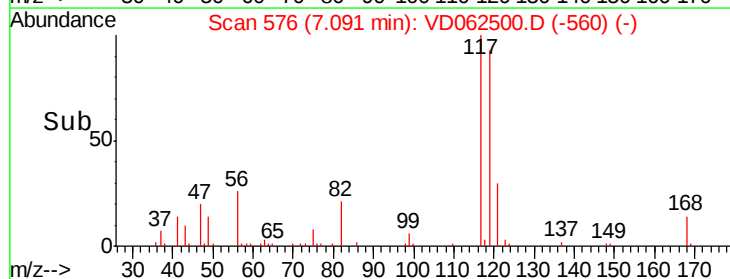
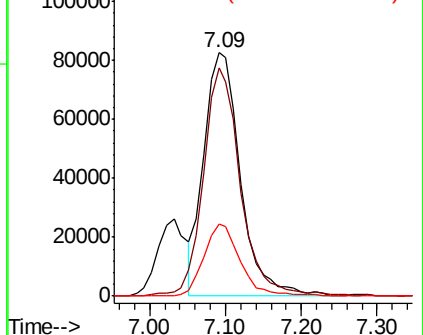
121 29.5 25.9 38.9

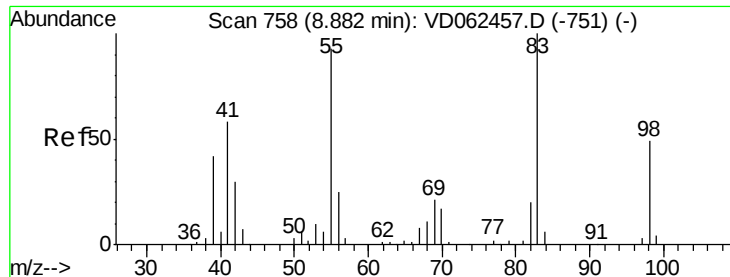


Abundance Ion 116.85 (116.55 to 117.55): VD062457.D (-567) (-)

Ion 118.85 (118.55 to 119.55): VD062457.D (-567) (-)

Ion 120.85 (120.55 to 121.55): VD062457.D (-567) (-)





#39

Methvlcvclohexane

Concen: 22.029 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

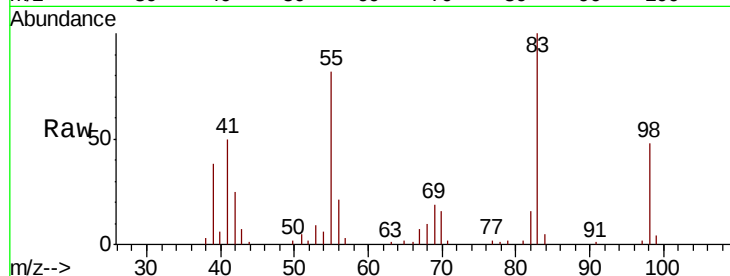
Tot Ion: 83 Resp: 164232

Ion Ratio Lower Upper

83 100

55 82.2 68.2 102.4

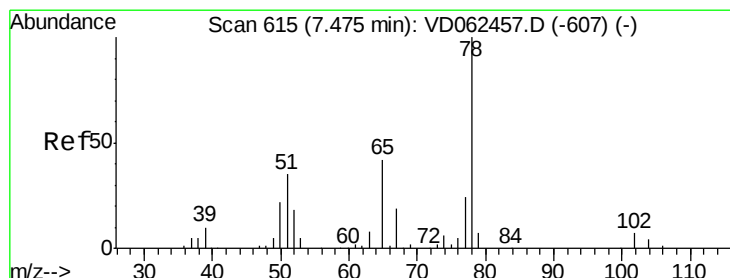
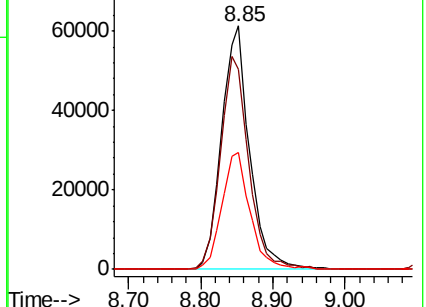
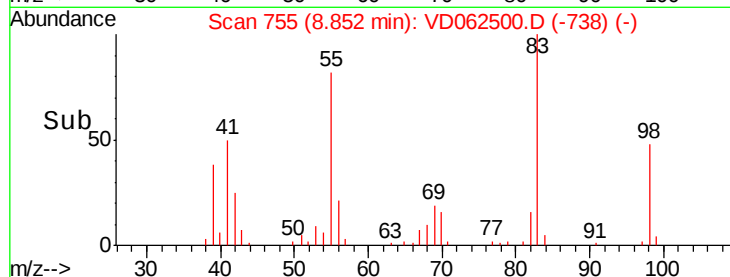
98 48.0 38.2 57.4



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: 21.989 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.04 min

Lab File: VD062500.D

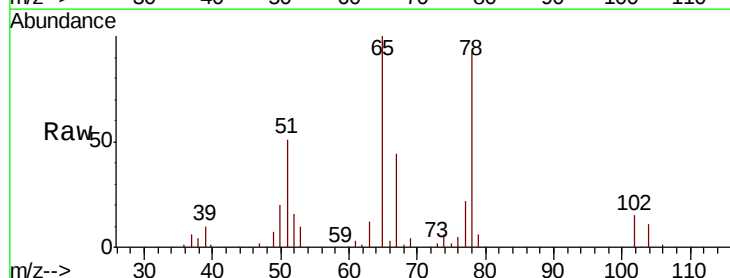
Acq: 22 May 2019 13:40

Tgt Ion: 78 Resp: 389870

Ion Ratio Lower Upper

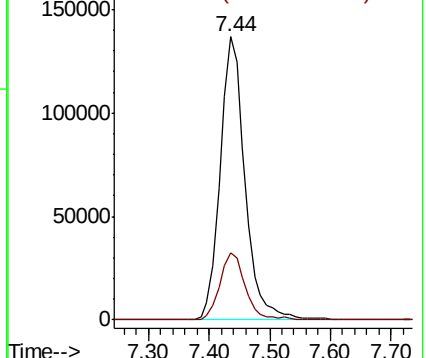
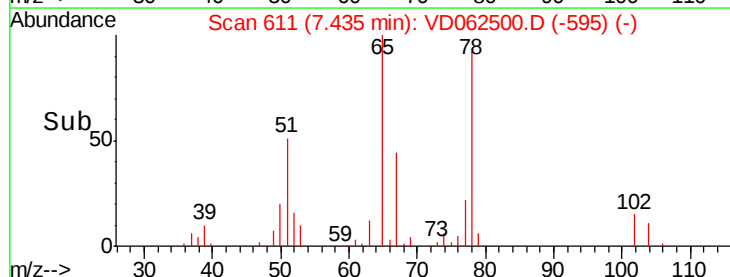
78 100

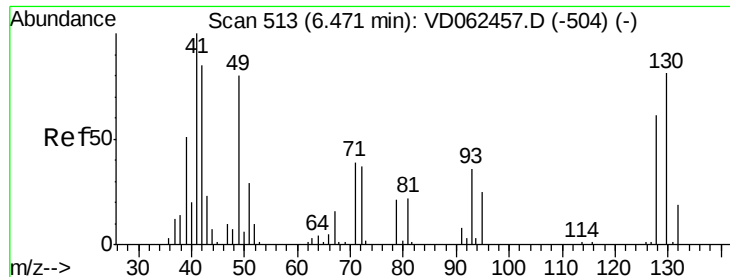
77 23.7 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

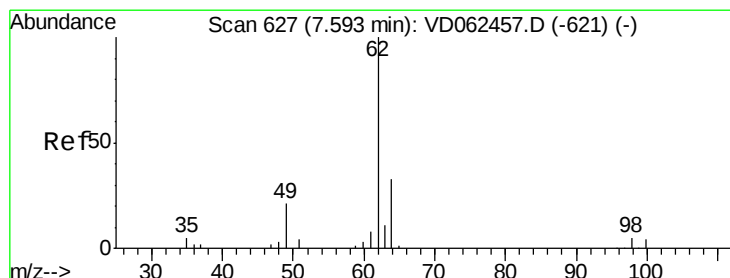
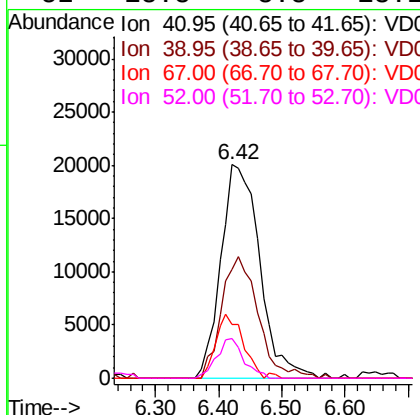
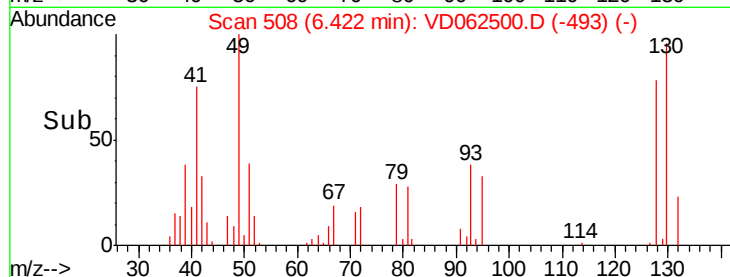
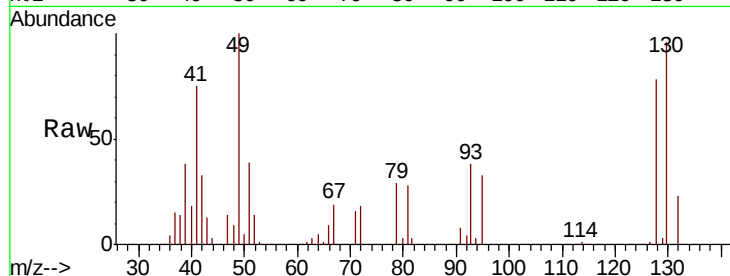




#41
Methacrylonitrile
Concen: 19.419 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.05 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

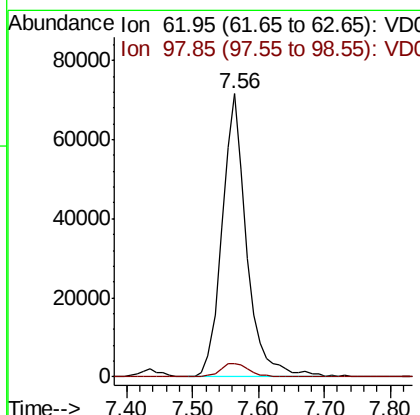
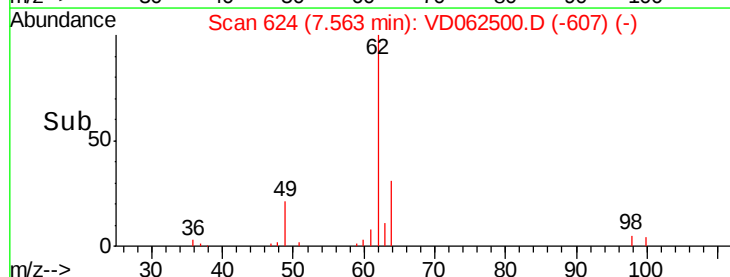
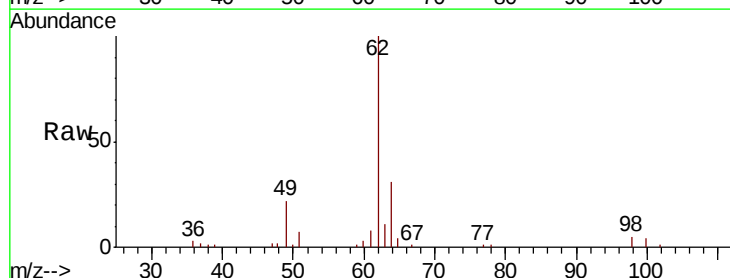
Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

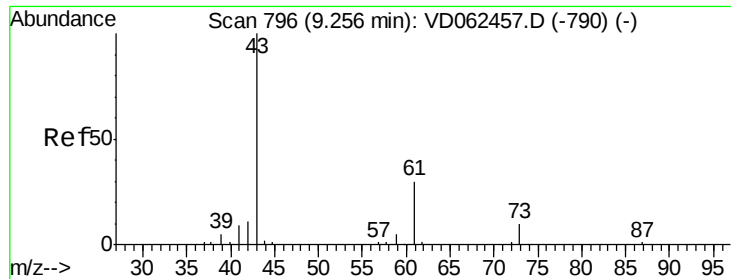
Tot Ion: 41 Resp: 85638
Ion Ratio Lower Upper
41 100
39 50.7 34.1 51.1
67 25.0 23.8 35.6
52 18.8 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 19.790 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.03 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

Tgt Ion: 62 Resp: 185801
Ion Ratio Lower Upper
62 100
98 4.6 0.0 17.8





#43

Isopropyl Acetate

Concen: 22.078 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

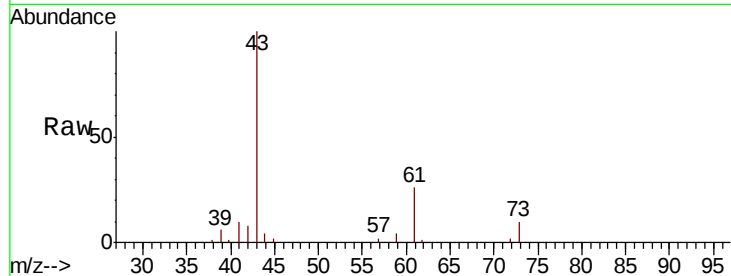
Tot Ion: 43 Resp: 102845

Ion Ratio Lower Upper

43 100

61 26.3 25.1 37.7

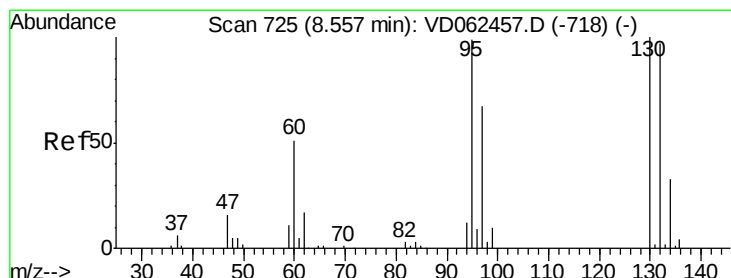
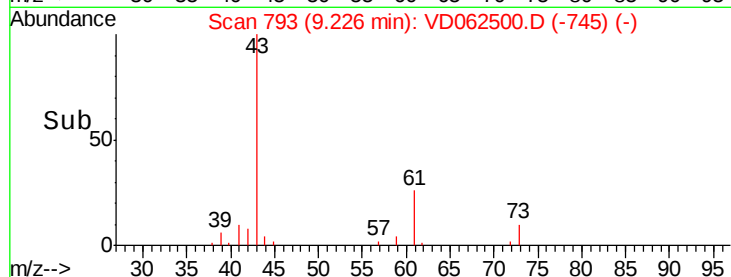
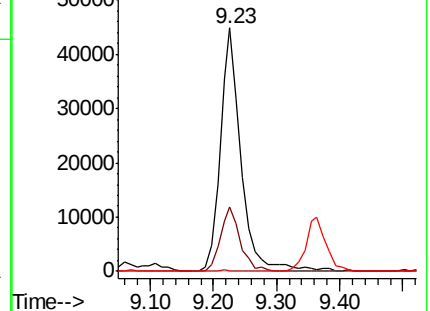
87 0.0 0.0 0.0



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: 21.722 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.03 min

Lab File: VD062500.D

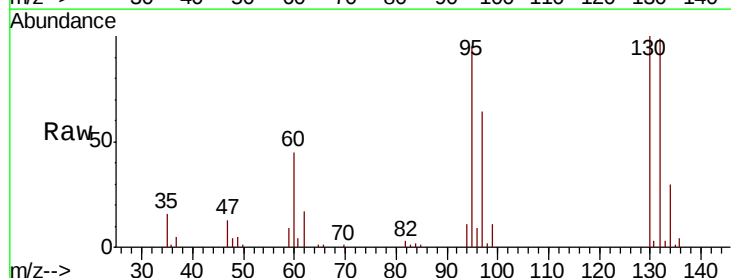
Acq: 22 May 2019 13:40

Tgt Ion:130 Resp: 154199

Ion Ratio Lower Upper

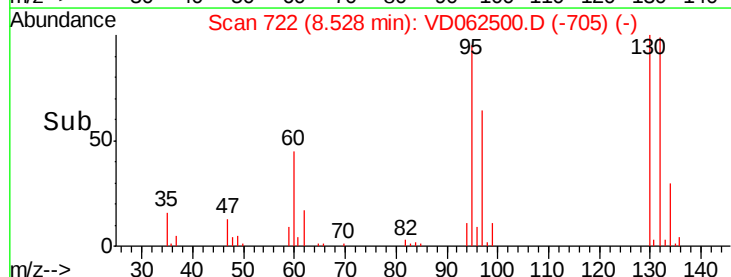
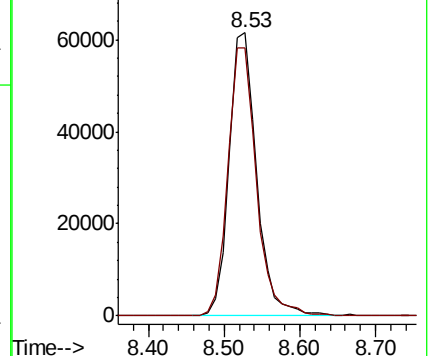
130 100

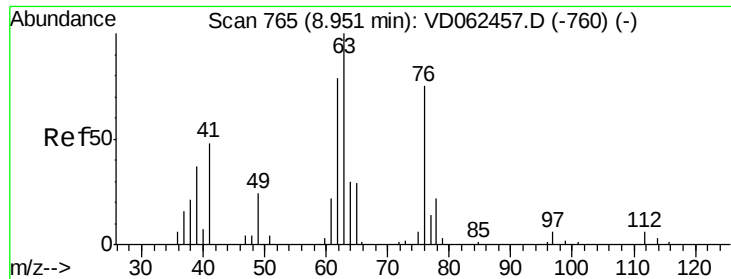
95 94.6 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.029 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

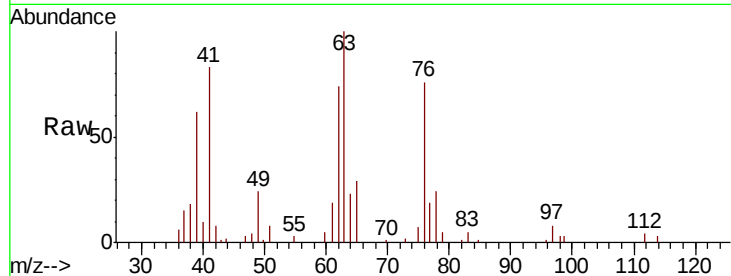
VD0522SBS01

Tot Ion: 63 Resp: 86538

Ion Ratio Lower Upper

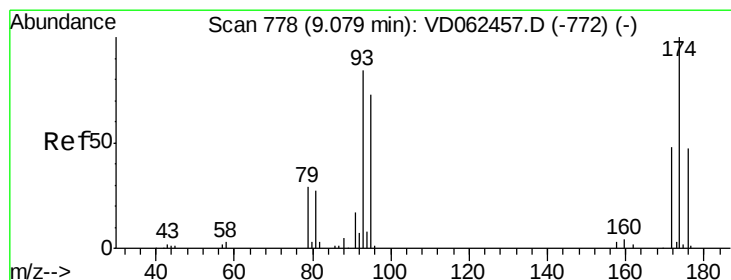
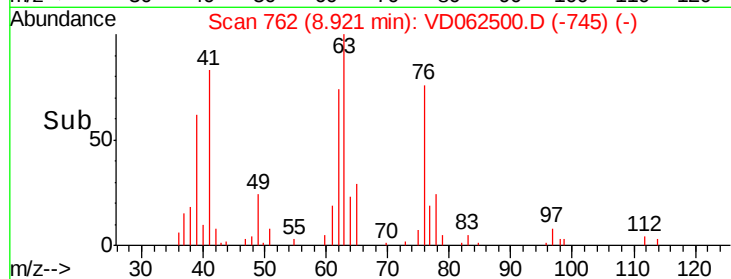
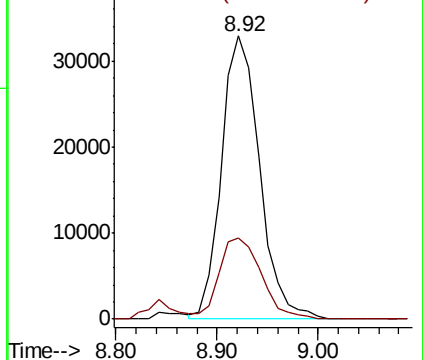
63 100

65 28.8 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.544 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

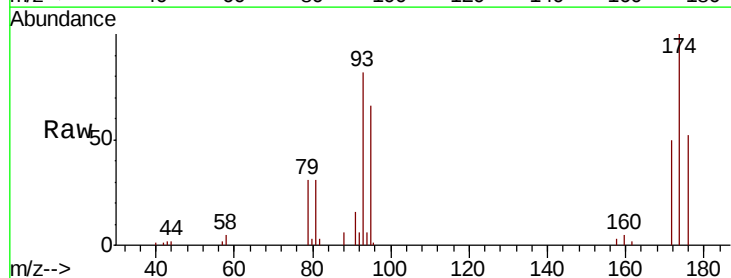
Tgt Ion: 93 Resp: 76544

Ion Ratio Lower Upper

93 100

95 81.3 64.8 97.2

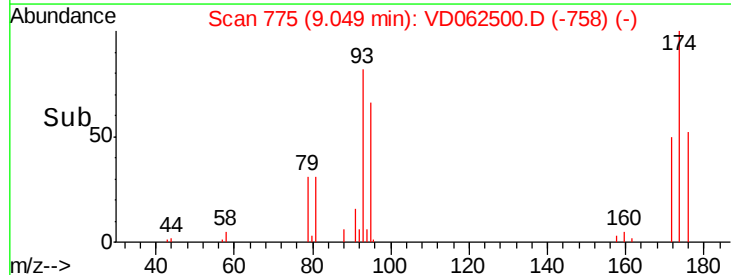
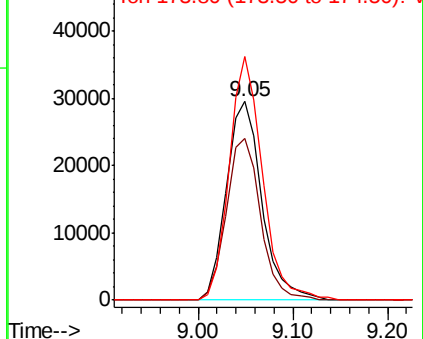
174 122.7 79.3 118.9#

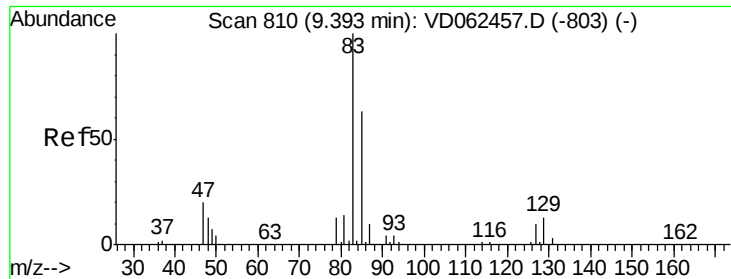


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.547 ug/l

RT: 9.36 min Scan# 807

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

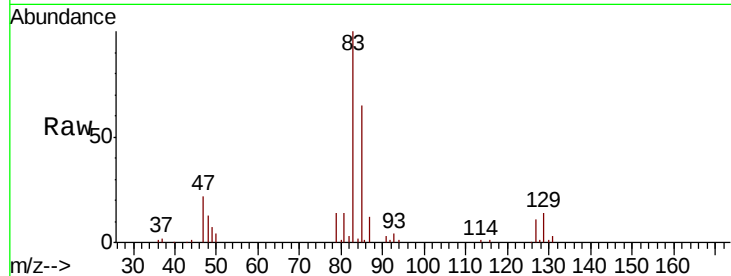
Tot Ion: 83 Resp: 204717

Ion Ratio Lower Upper

83 100

85 65.6 50.9 76.3

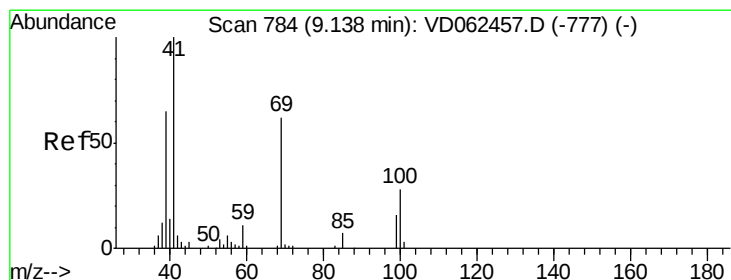
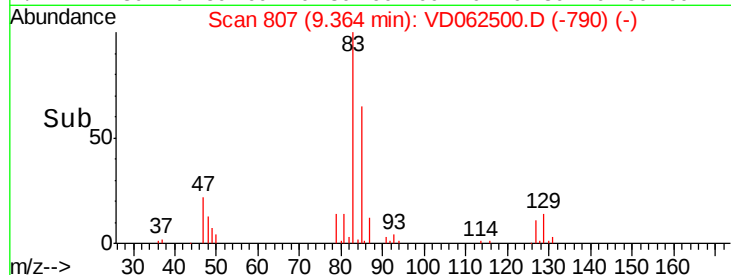
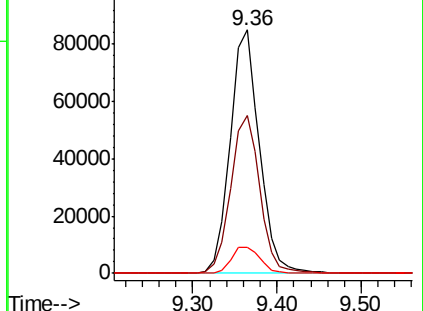
127 10.5 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.672 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

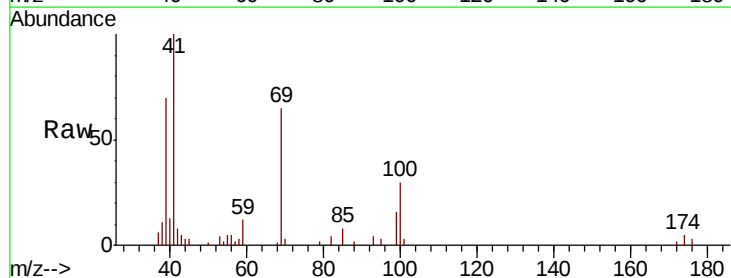
Tgt Ion: 41 Resp: 61668

Ion Ratio Lower Upper

41 100

69 65.1 64.2 96.2

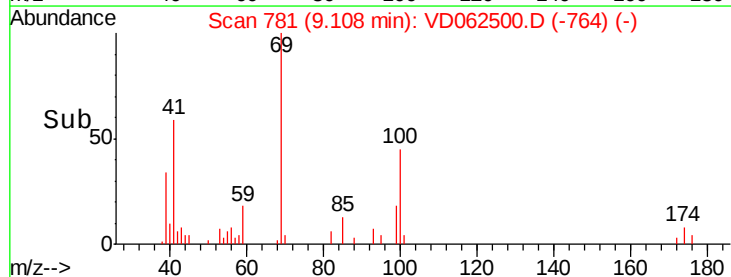
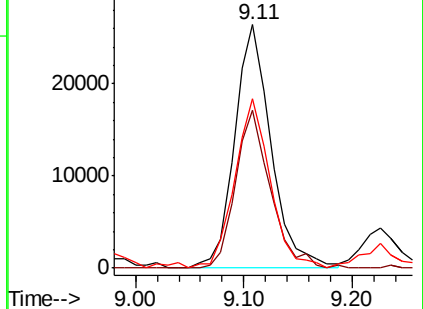
39 69.5 46.8 70.2

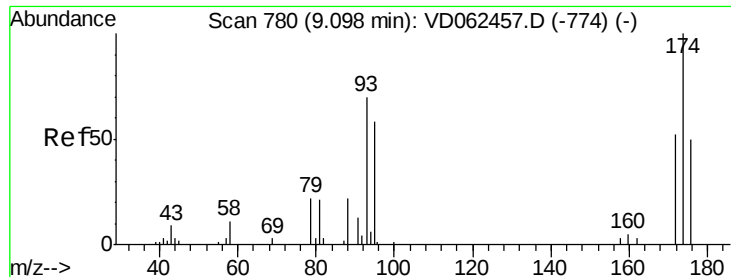


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

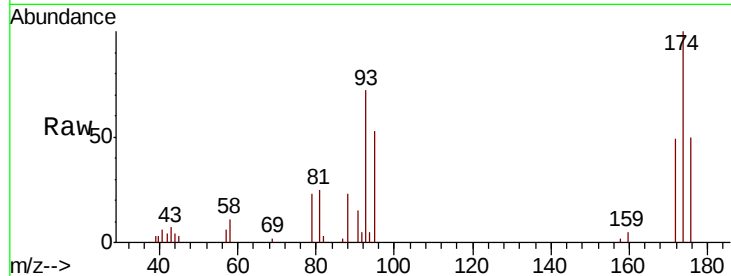




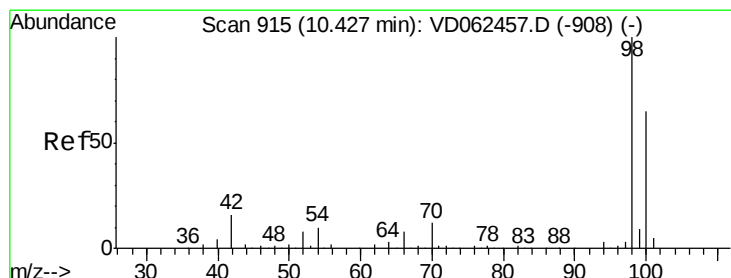
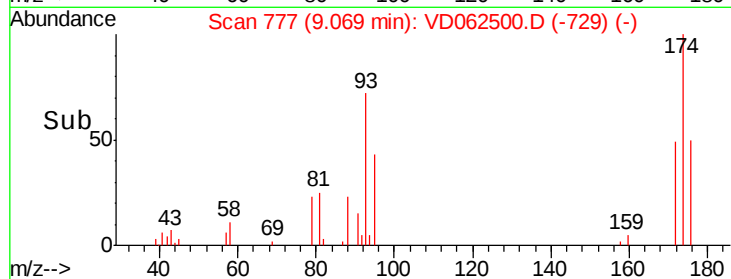
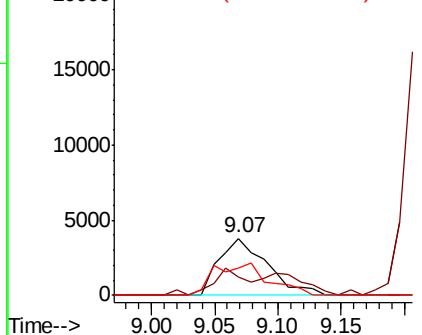
#49
 1,4-Dioxane
 Concen: 355.606 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.03 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

Tot Ion: 88 Resp: 9999
 Ion Ratio Lower Upper
 88 100
 43 31.2 23.4 35.0
 58 48.6 44.0 66.0

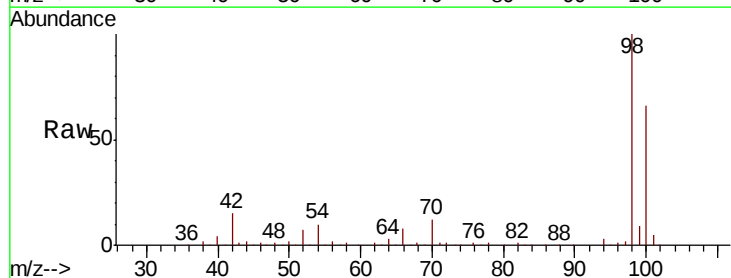


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

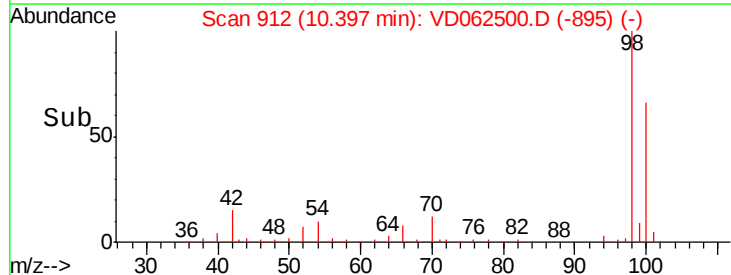
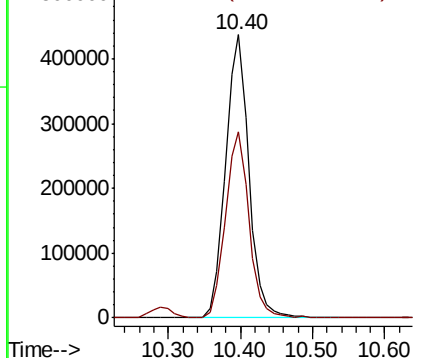


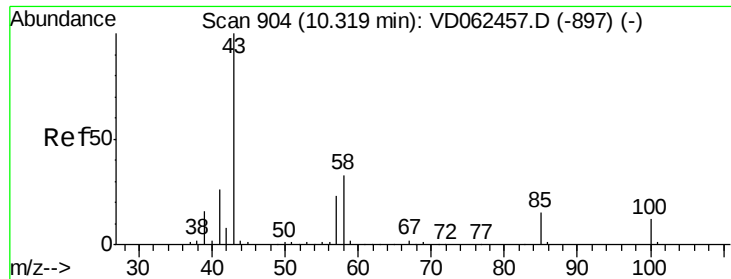
#50
 Toluene-d8
 Concen: 52.420 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.03 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

Tgt Ion: 98 Resp: 978390
 Ion Ratio Lower Upper
 98 100
 100 65.9 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: 102.827 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

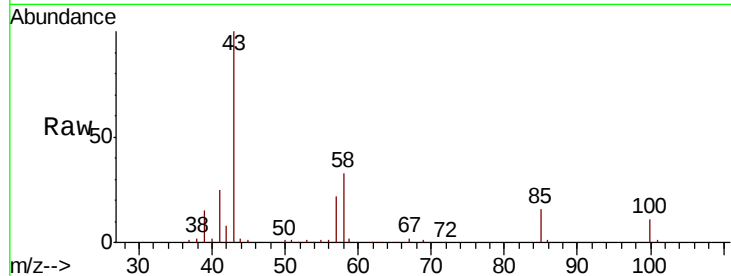
VD0522SBS01

Tot Ion: 43 Resp: 316438

Ion Ratio Lower Upper

43 100

58 32.5 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

150000

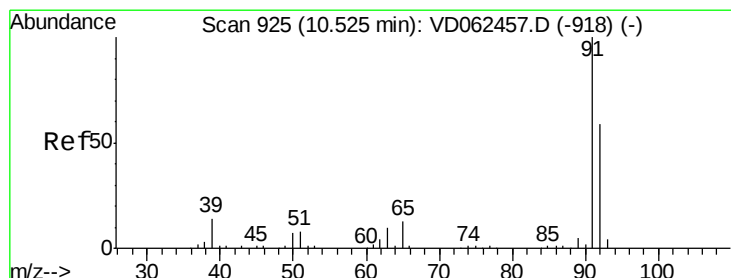
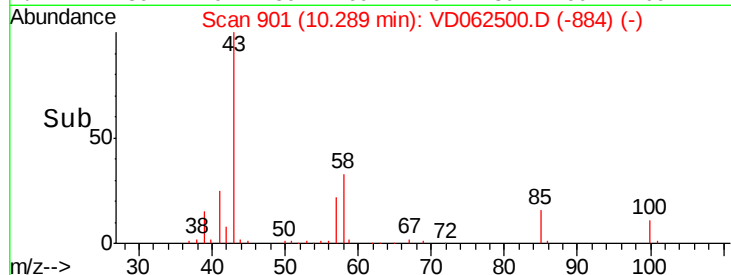
100000

50000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 21.142 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD062500.D

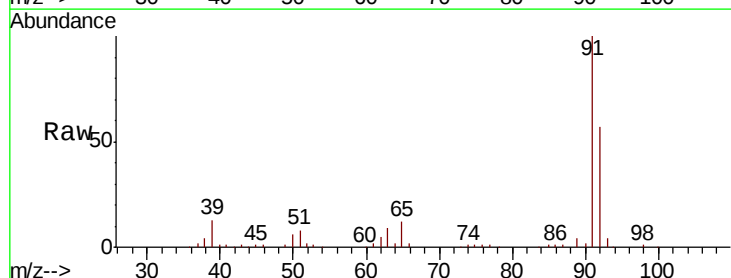
Acq: 22 May 2019 13:40

Tgt Ion: 92 Resp: 256615

Ion Ratio Lower Upper

92 100

91 174.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

200000

150000

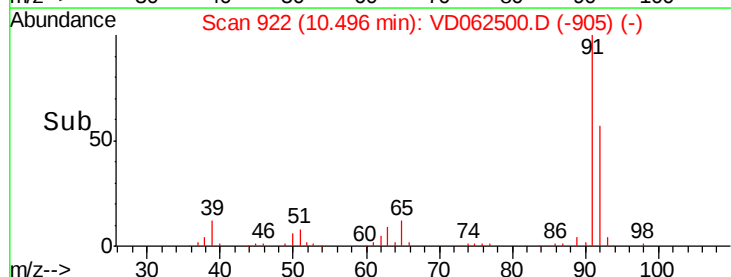
100000

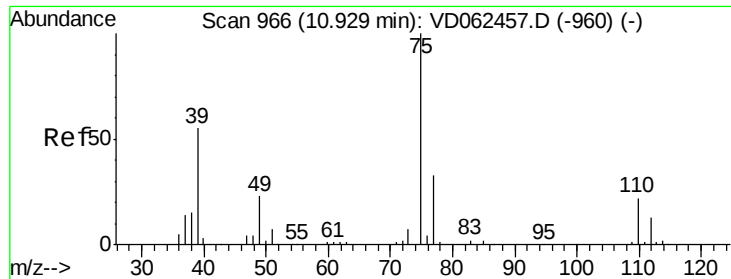
50000

0

Time-->

10.40 10.50 10.60

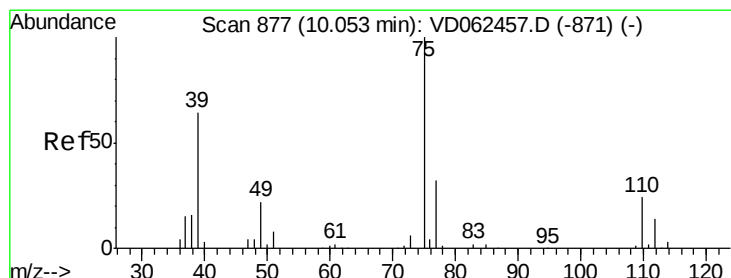
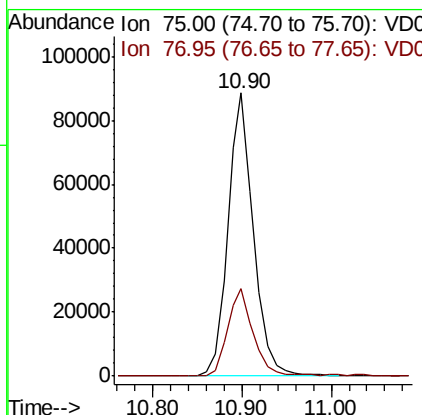
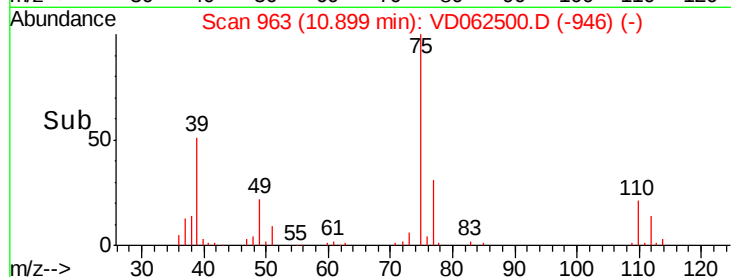
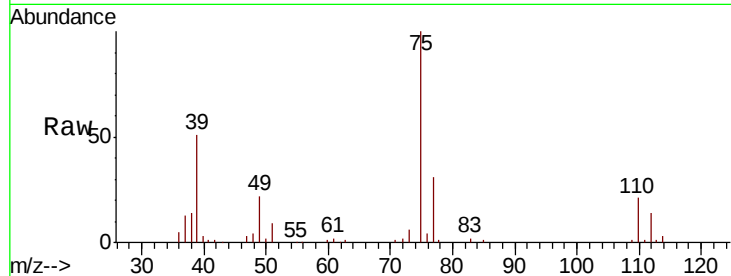




#53
 t-1,3-Dichloropropene
 Concen: 21.237 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.03 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

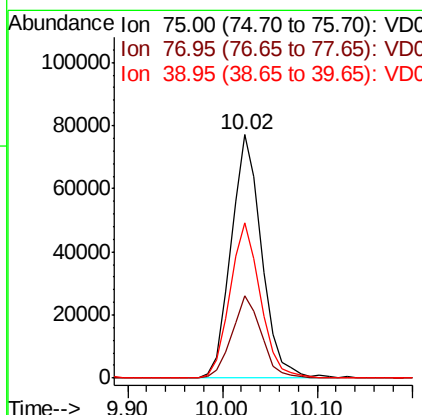
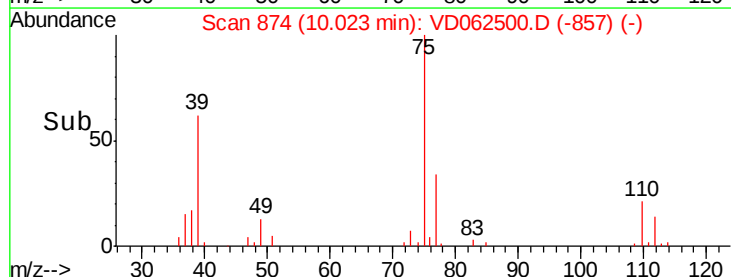
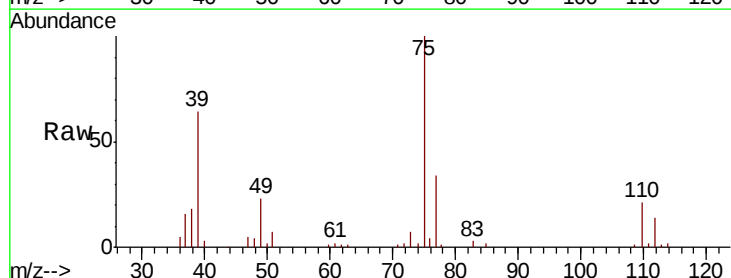
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

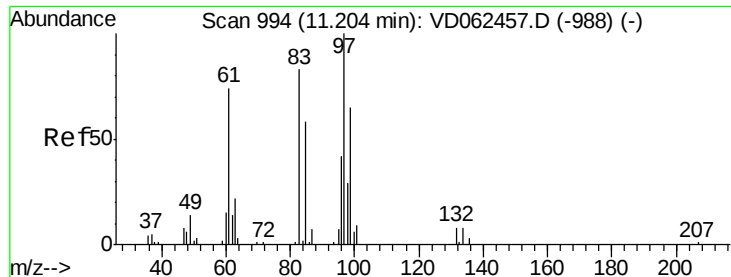
Tot Ion: 75 Resp: 176165
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.888 ug/l
 RT: 10.02 min Scan# 874
 Delta R.T. -0.03 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

Tgt Ion: 75 Resp: 172139
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.5 38.3
 39 63.7 39.4 59.2#

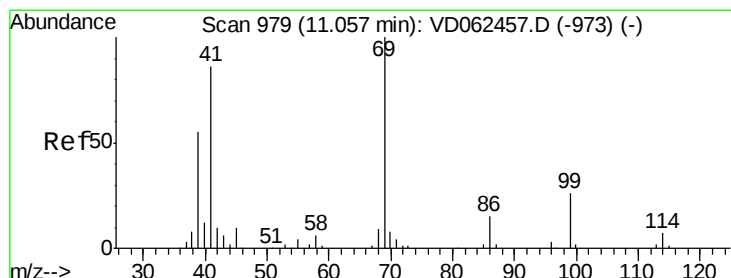
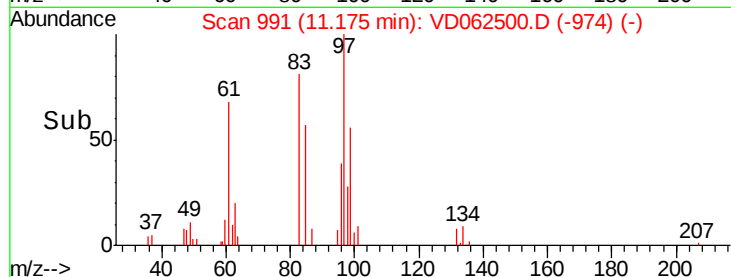
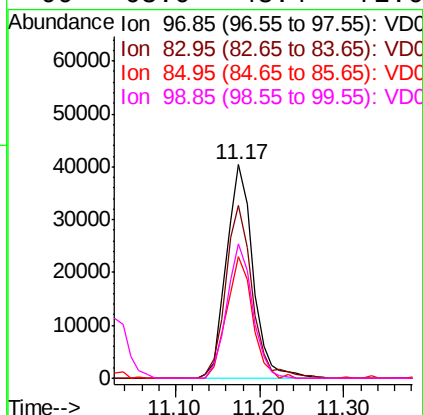
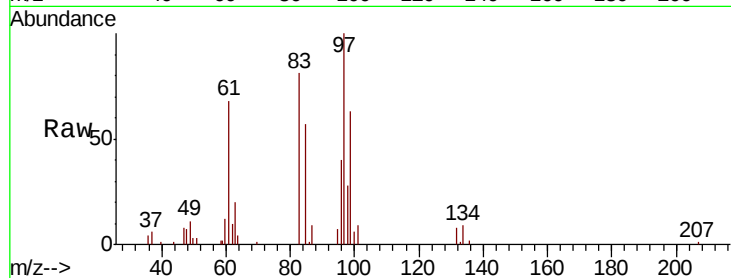




#55
 1,1,2-Trichloroethane
 Concen: 21.674 ug/l
 RT: 11.17 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

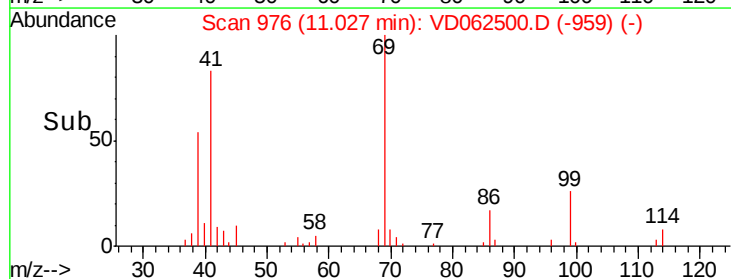
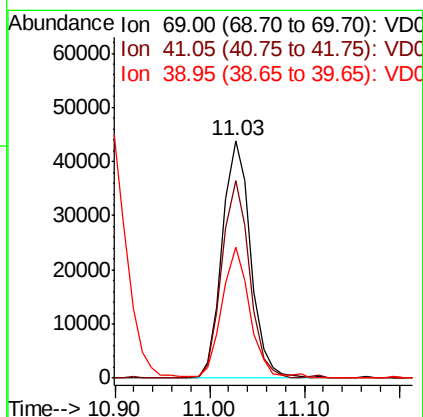
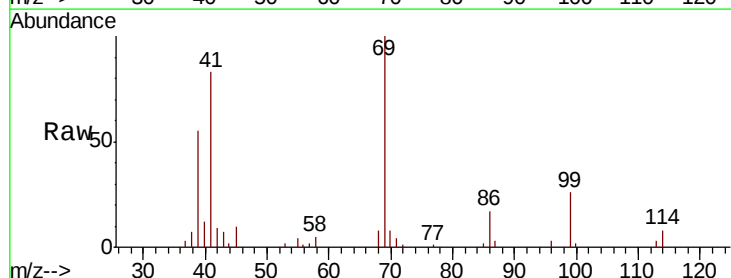
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

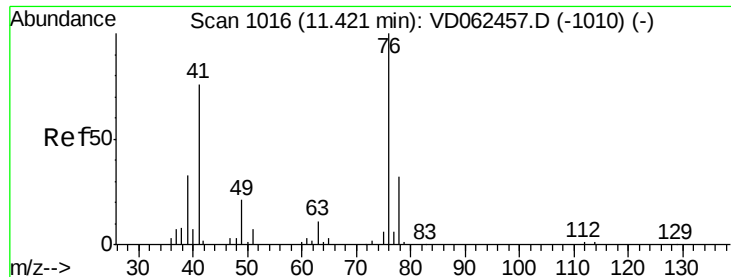
Tot Ion:	97	Resp:	89161
Ion	Ratio	Lower	Upper
97	100		
83	81.2	65.7	98.5
85	57.1	45.6	68.4
99	63.0	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 20.768 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.03 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

Tgt Ion:	69	Resp:	91331
Ion	Ratio	Lower	Upper
69	100		
41	83.2	56.3	84.5
39	55.0	29.4	44.2#





#57

1,3-Dichloropropane

Concen: 21.333 ug/l

RT: 11.39 min Scan# 1013

Delta R.T. -0.03 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

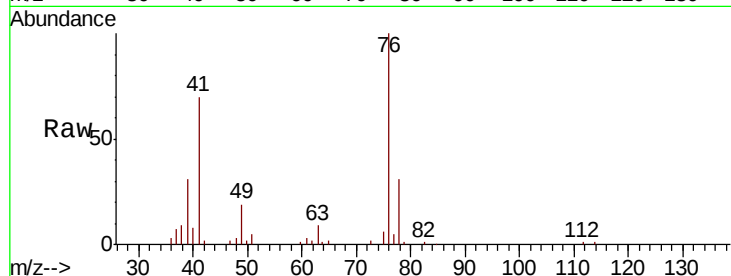
VD0522SBS01

Tot Ion: 76 Resp: 134583

Ion Ratio Lower Upper

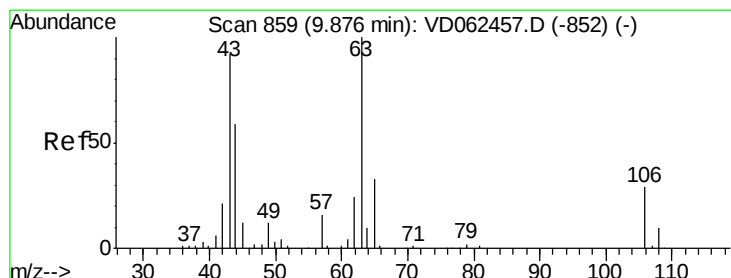
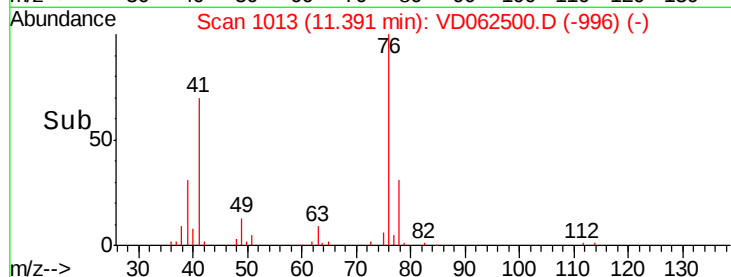
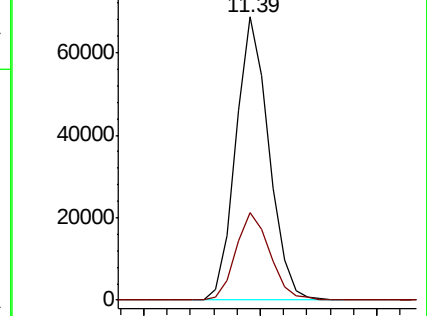
76 100

78 31.1 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 109.375 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.04 min

Lab File: VD062500.D

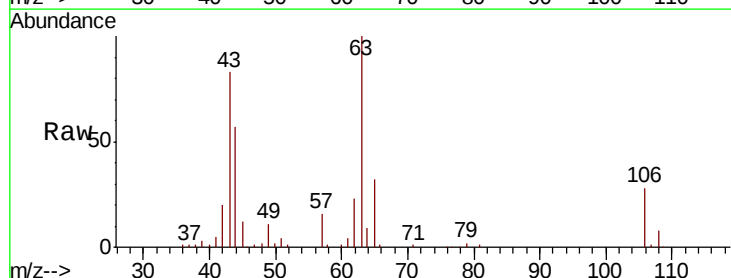
Acq: 22 May 2019 13:40

Tgt Ion: 63 Resp: 246985

Ion Ratio Lower Upper

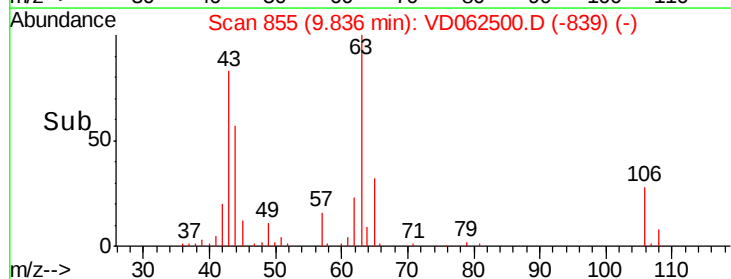
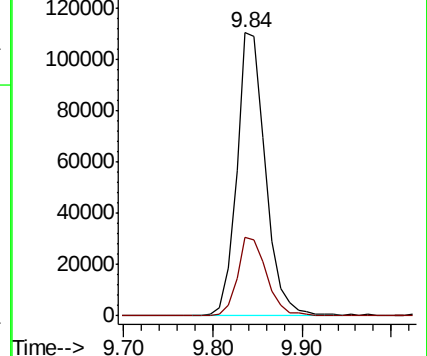
63 100

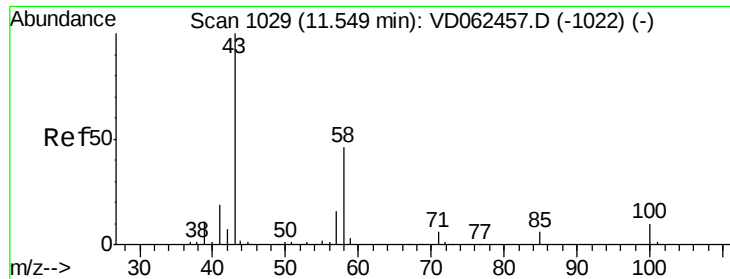
106 28.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

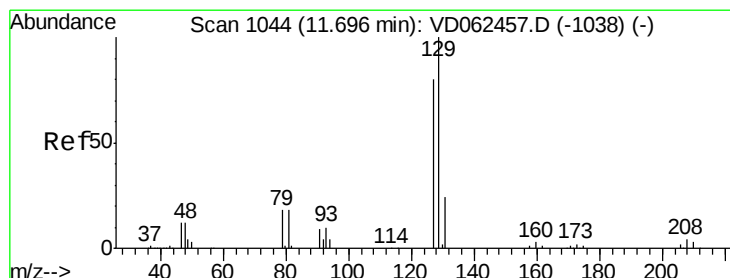
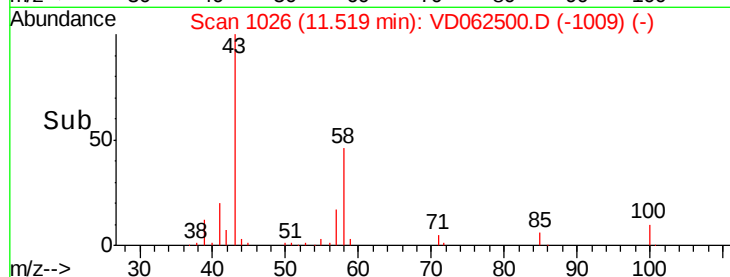
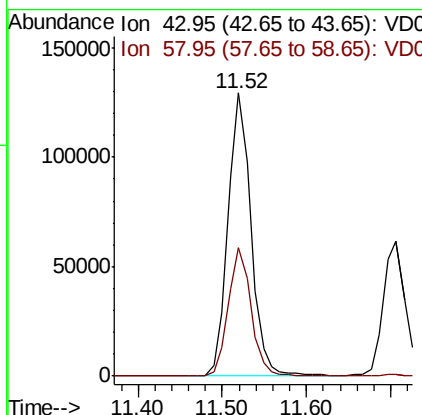
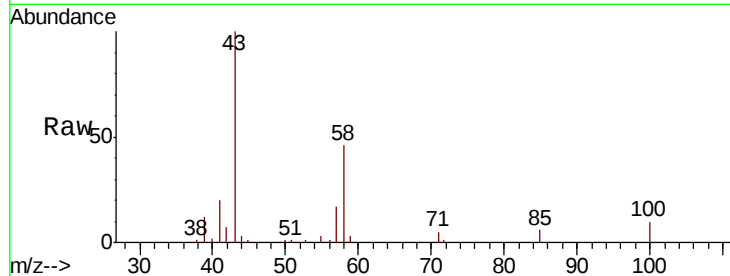




#59
2-Hexanone
Concen: 109.775 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.03 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

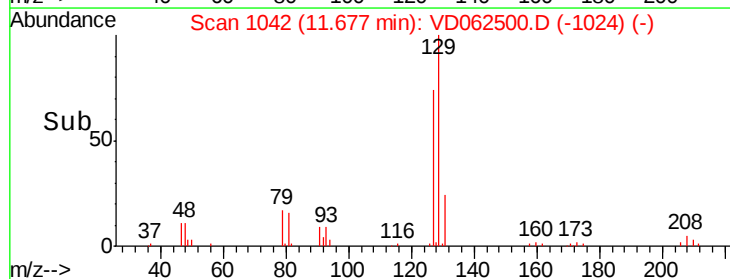
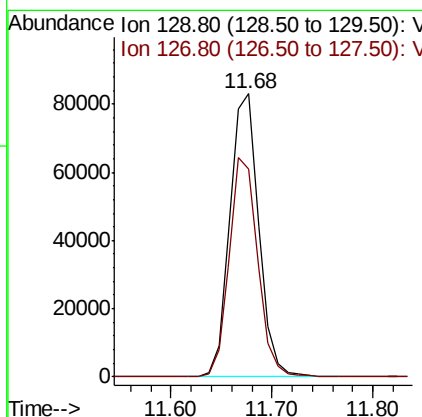
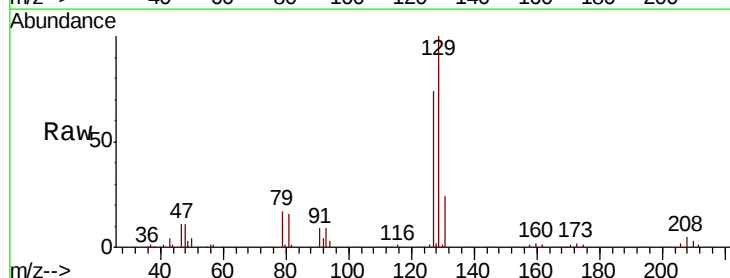
Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

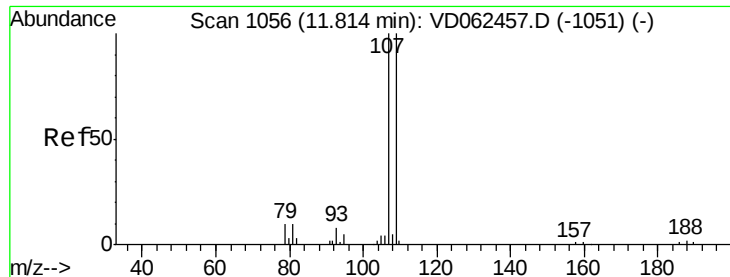
Tot Ion: 43 Resp: 245520
Ion Ratio Lower Upper
43 100
58 45.5 25.4 76.4



#60
Dibromochloromethane
Concen: 20.856 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

Tgt Ion: 129 Resp: 164786
Ion Ratio Lower Upper
129 100
127 73.6 38.0 113.9





#61

1,2-Dibromoethane

Concen: 20.407 ug/l

RT: 11.79 min Scan# 1054

Delta R.T. -0.02 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

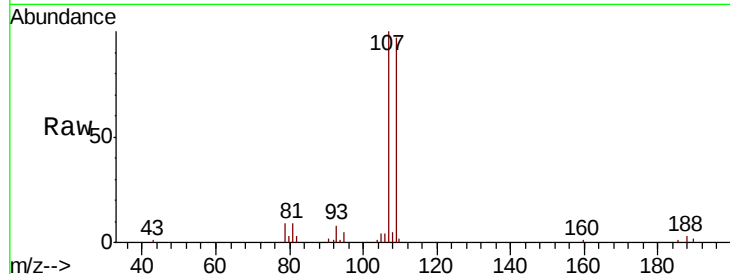
VD0522SBSD01

Tot Ion:107 Resp: 103457

Ion Ratio Lower Upper

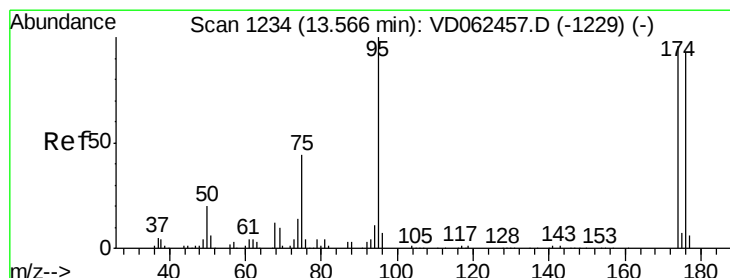
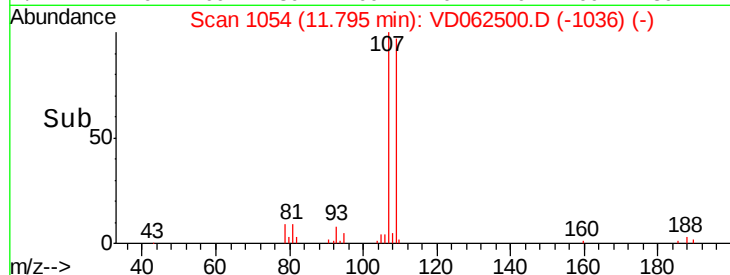
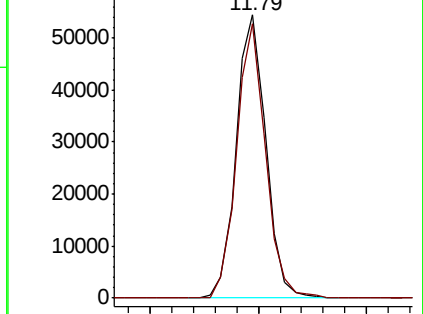
107 100

109 97.1 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: 52.897 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

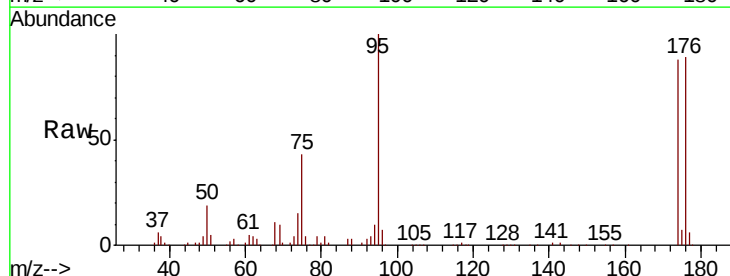
Tgt Ion: 95 Resp: 431881

Ion Ratio Lower Upper

95 100

174 88.0 0.0 181.8

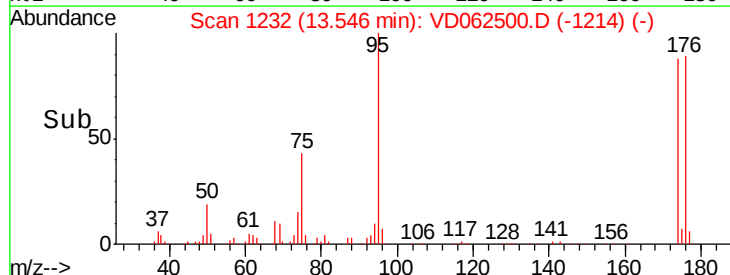
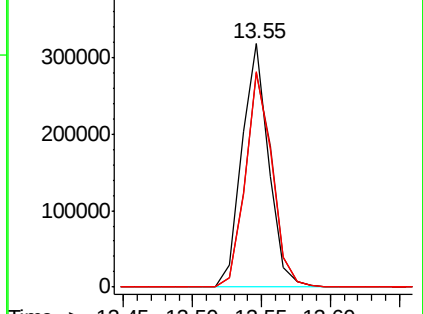
176 88.7 0.0 174.4

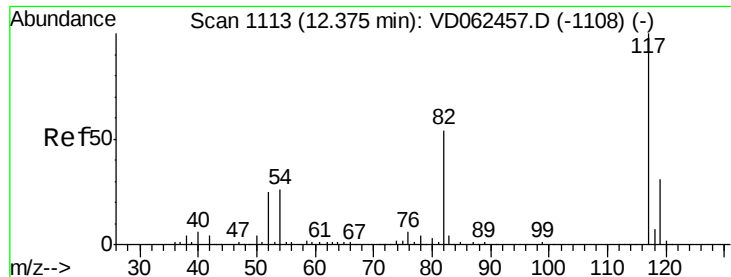


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

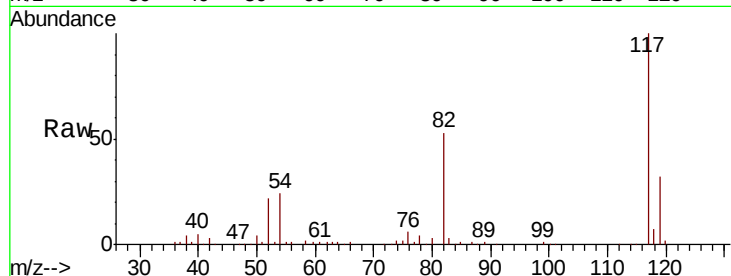




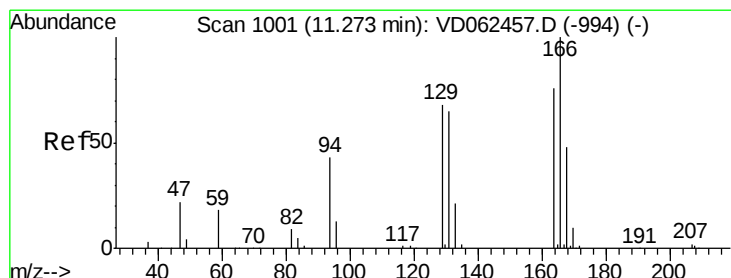
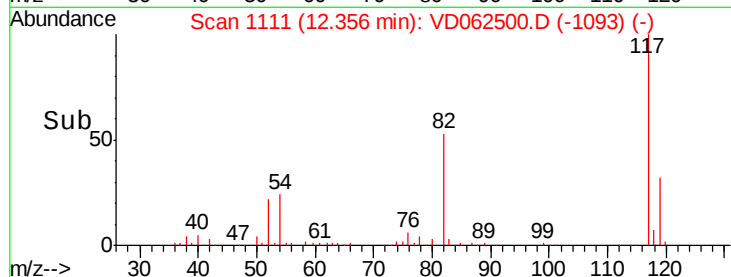
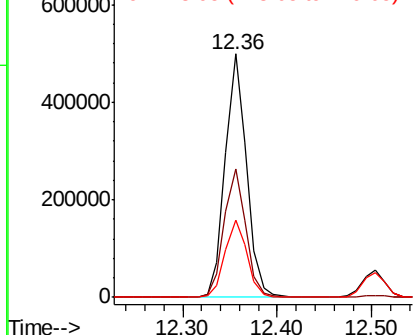
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

Tot Ion:117 Resp: 783753
Ion Ratio Lower Upper
117 100
82 52.7 36.2 54.2
119 31.8 26.2 39.4

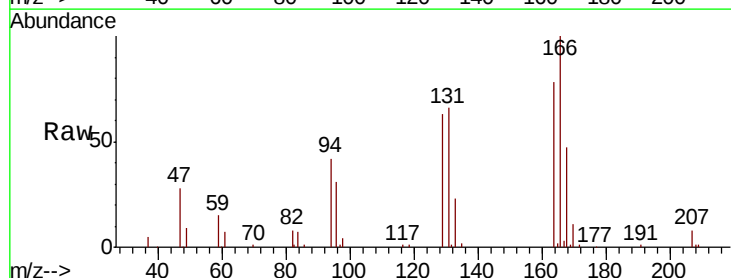


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

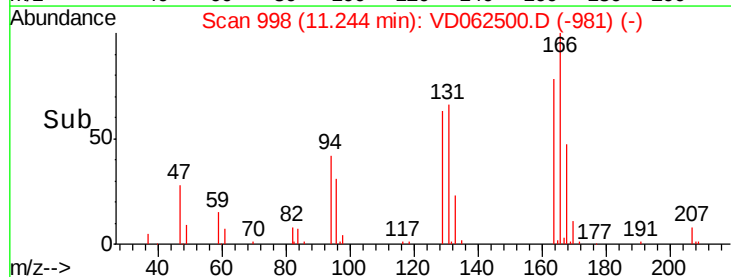
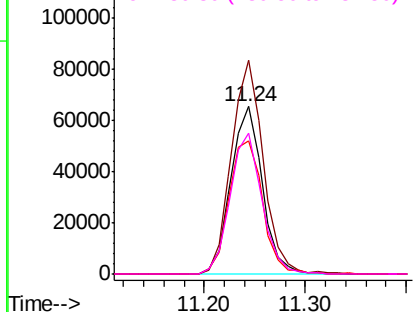


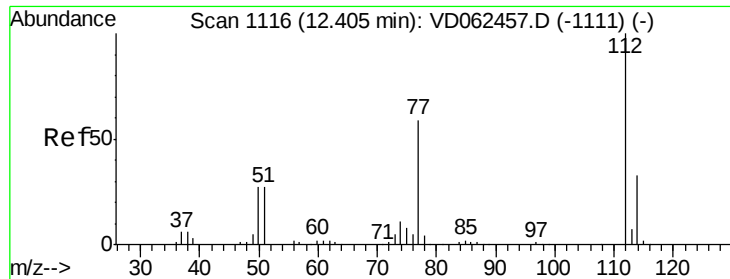
#64
Tetrachloroethene
Concen: 21.494 ug/l
RT: 11.24 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

Tgt Ion:164 Resp: 141049
Ion Ratio Lower Upper
164 100
166 127.5 101.5 152.3
129 79.9 74.6 112.0
131 83.9 72.6 108.8



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

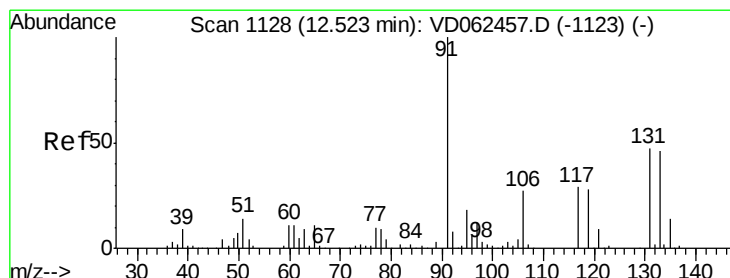
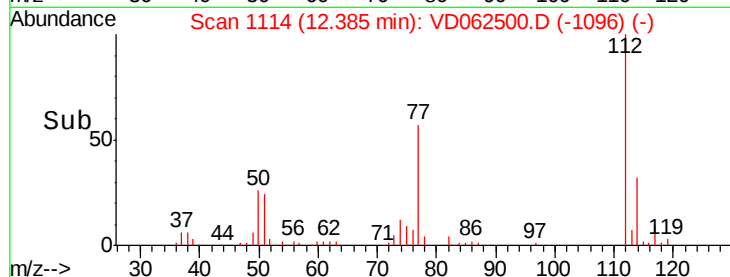
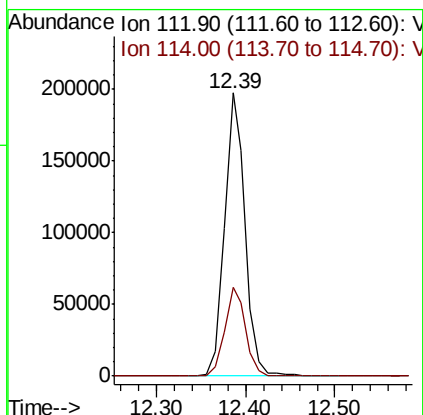
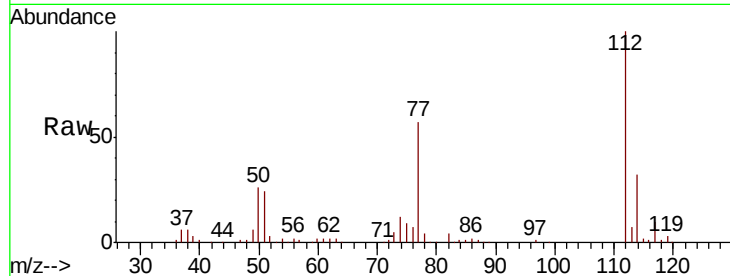




#65
Chlorobenzene
Concen: 21.152 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

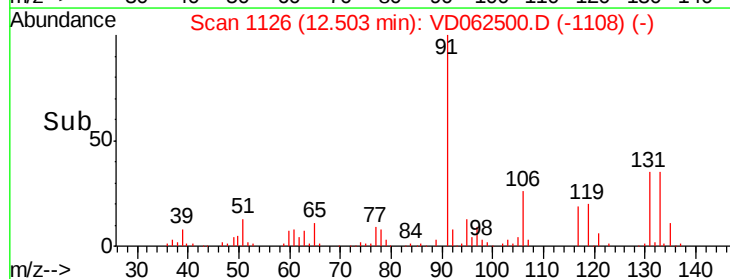
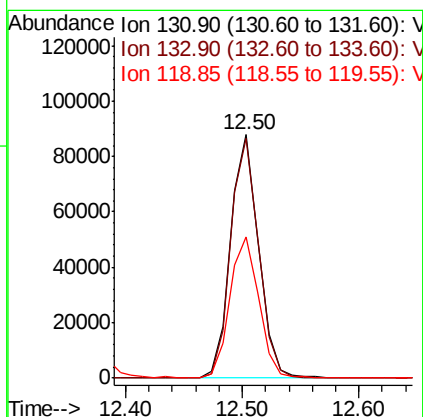
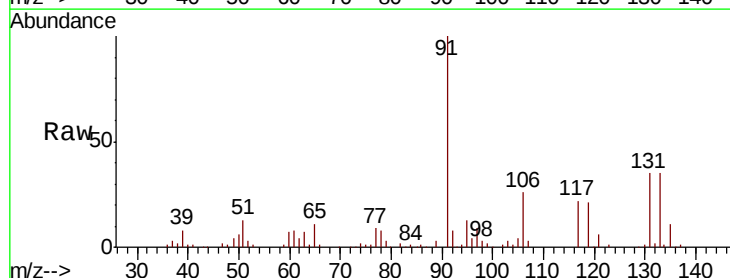
Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

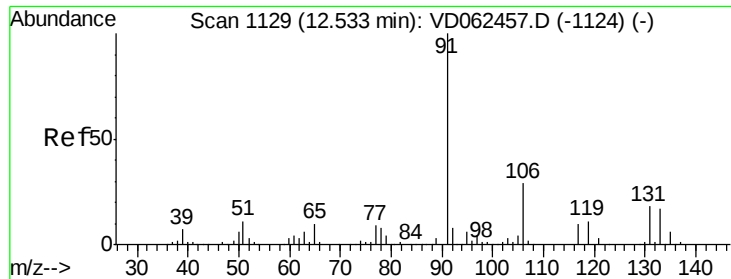
Tot Ion:112 Resp: 318799
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.019 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

Tgt Ion:131 Resp: 146236
Ion Ratio Lower Upper
131 100
133 98.7 48.6 145.8
119 58.2 34.7 104.1

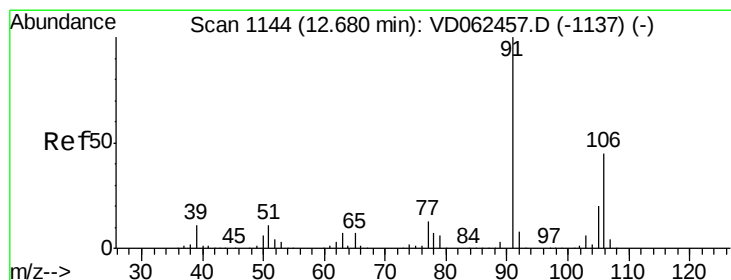
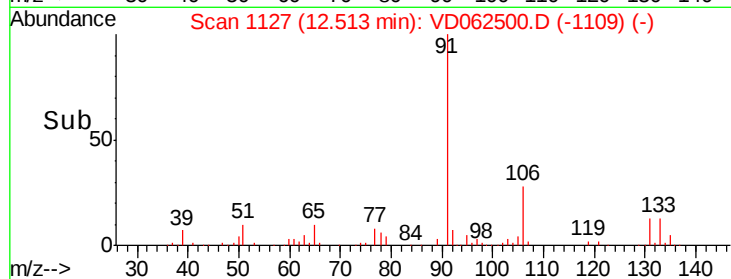
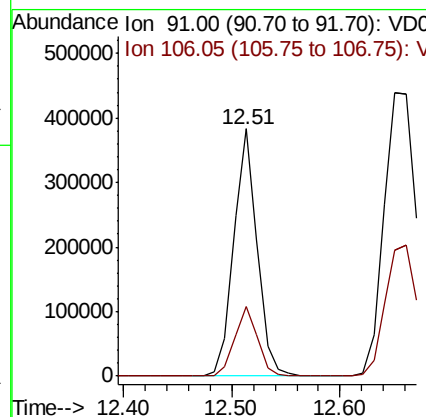
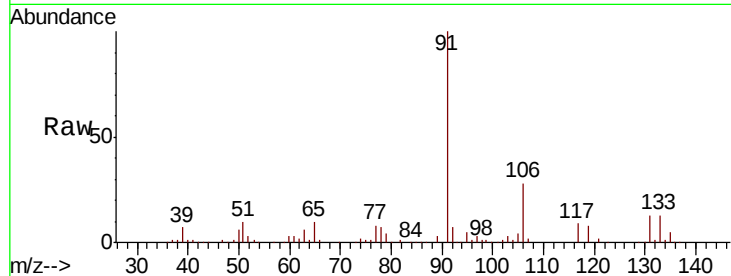




#67
Ethyl Benzene
Concen: 22.107 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

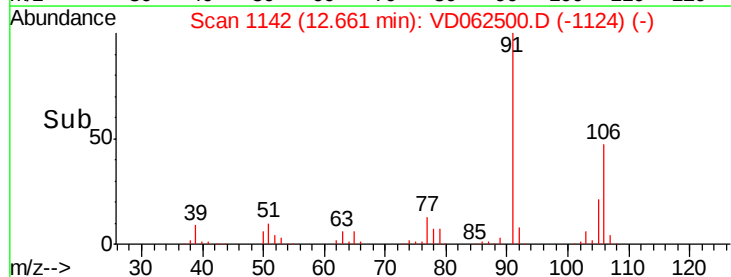
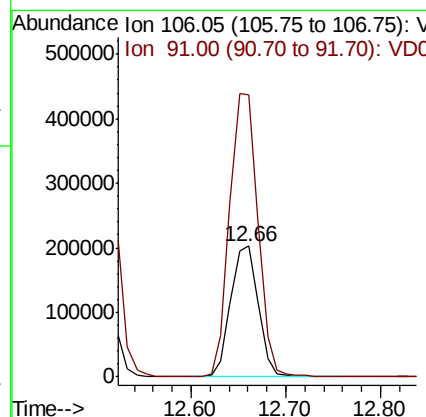
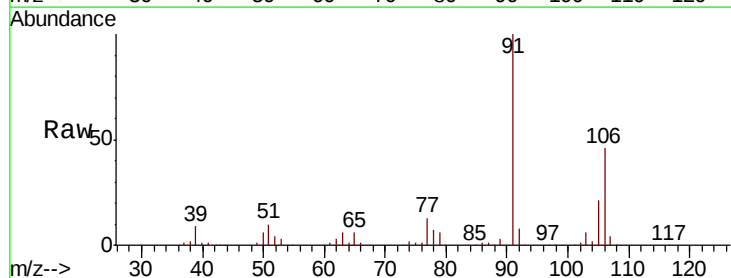
Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

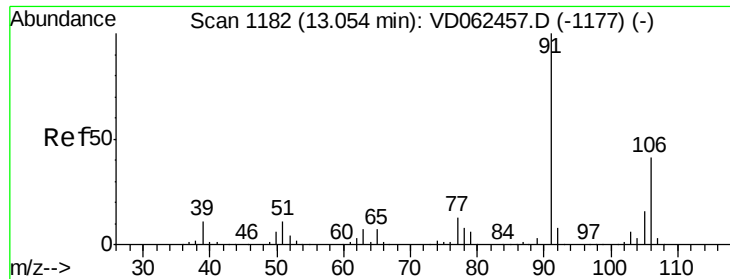
Tot Ion: 91 Resp: 573894
Ion Ratio Lower Upper
91 100
106 28.0 24.7 37.1



#68
m/p-Xylenes
Concen: 43.755 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

Tgt Ion: 106 Resp: 407741
Ion Ratio Lower Upper
106 100
91 215.8 164.0 246.0

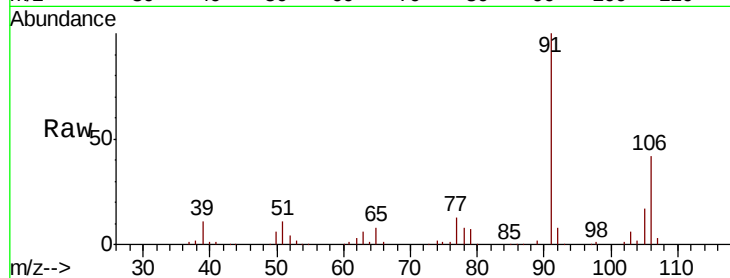




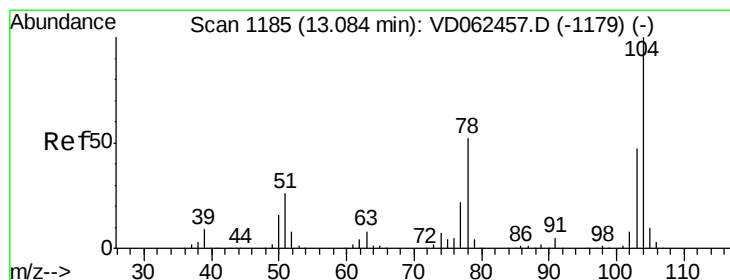
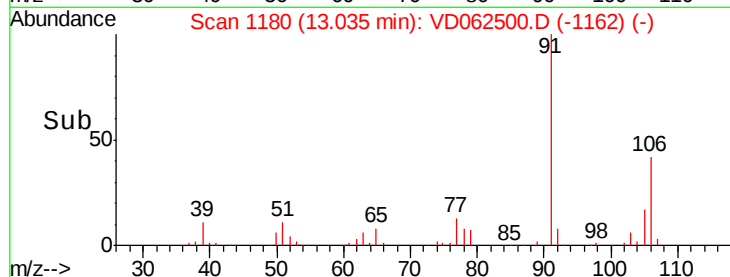
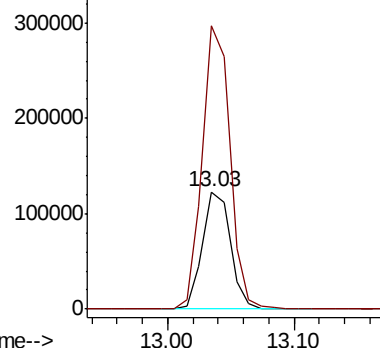
#69
o-Xylene
Concen: 21.539 ug/l
RT: 13.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

Tot Ion:106 Resp: 189379
Ion Ratio Lower Upper
106 100
91 240.8 106.7 319.9

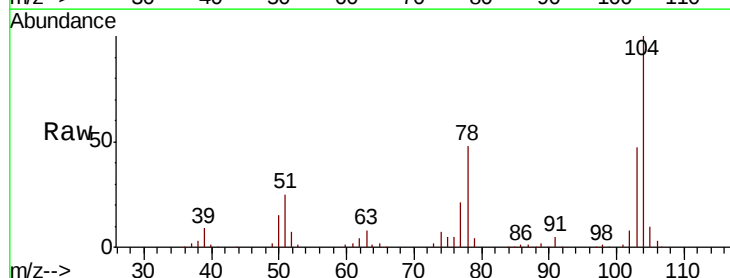


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

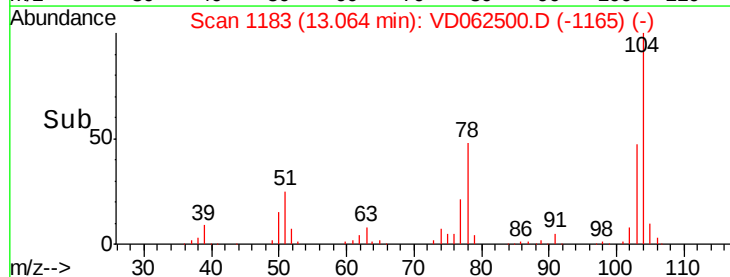
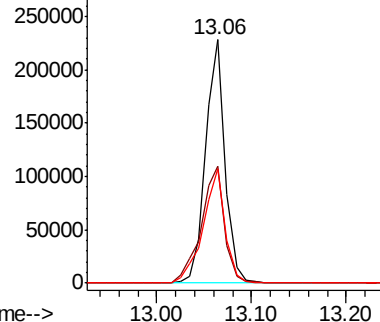


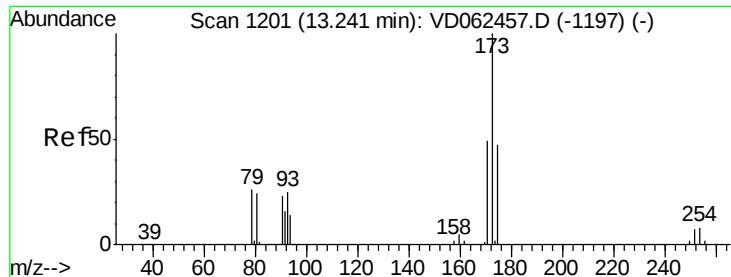
#70
Styrene
Concen: 21.698 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

Tgt Ion:104 Resp: 324556
Ion Ratio Lower Upper
104 100
78 47.9 35.4 53.2
103 46.8 37.5 56.3



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





#71

Bromoform

Concen: 20.525 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

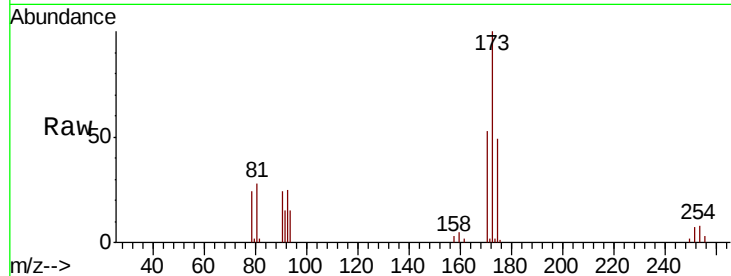
Tot Ion:173 Resp: 94832

Ion Ratio Lower Upper

173 100

175 49.1 24.4 73.4

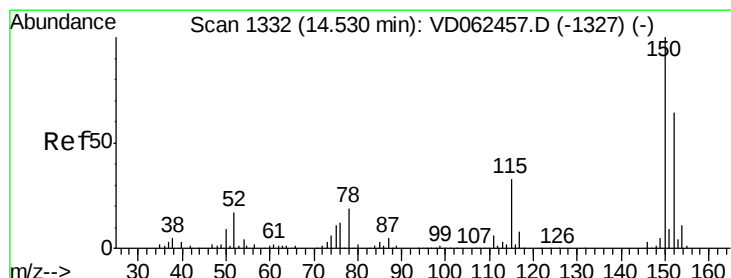
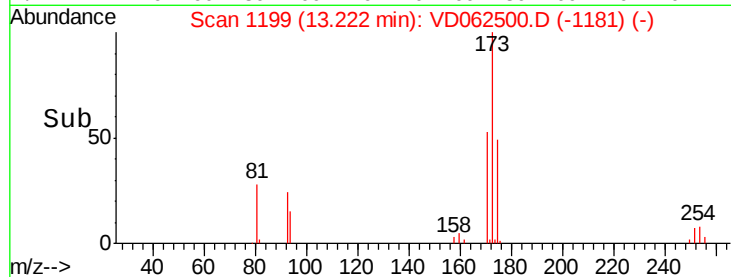
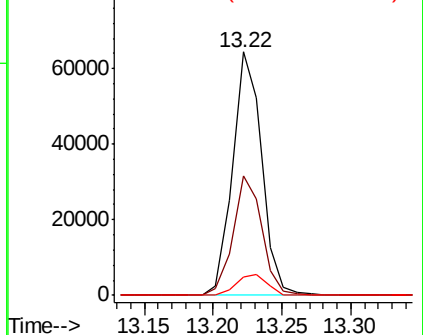
254 7.5 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.02 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

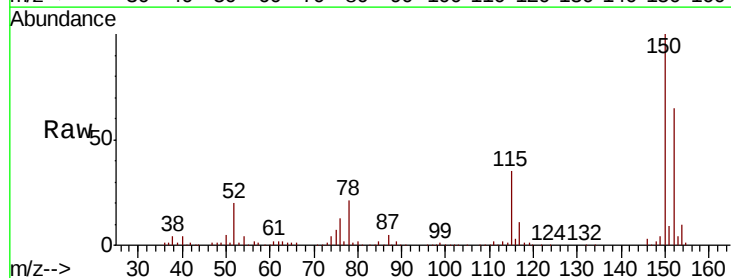
Tgt Ion:152 Resp: 418846

Ion Ratio Lower Upper

152 100

115 54.3 30.9 92.7

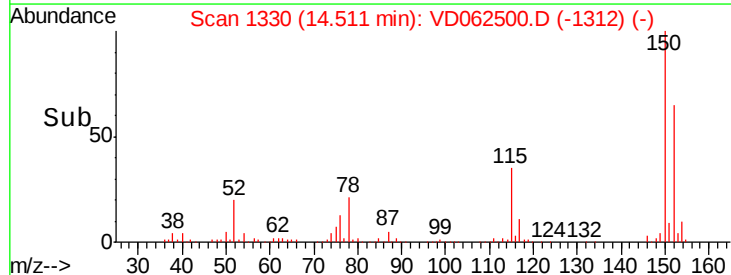
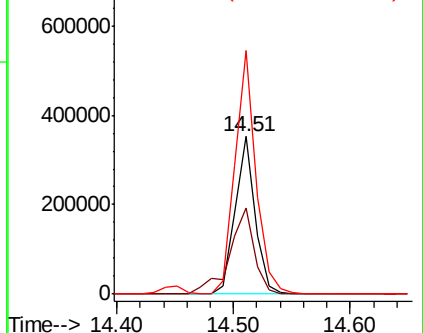
150 154.3 0.0 314.8

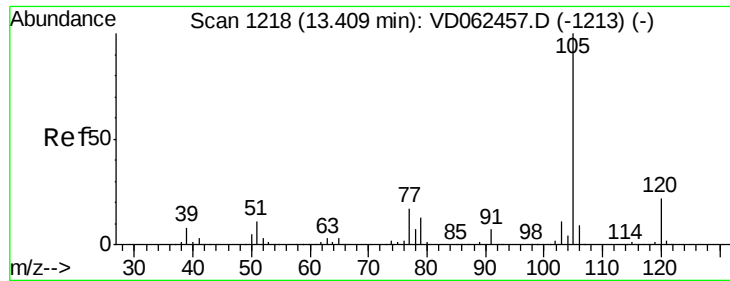


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.164 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

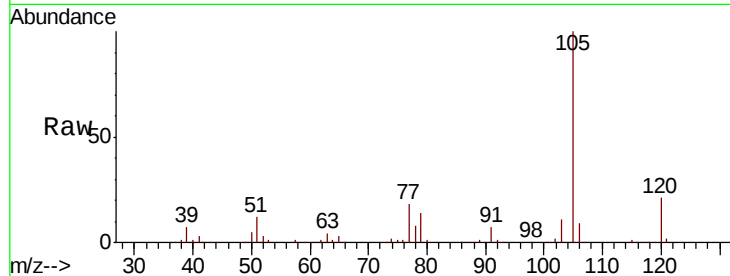
VD0522SBSD01

Tot Ion:105 Resp: 505961

Ion Ratio Lower Upper

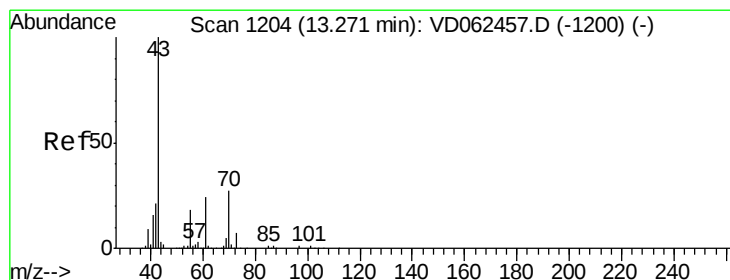
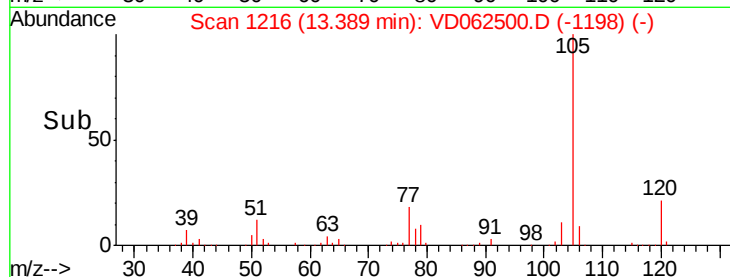
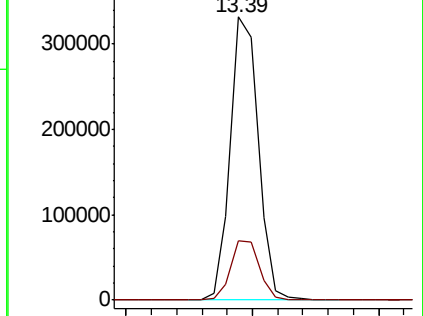
105 100

120 21.1 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: 19.538 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Tgt Ion: 43 Resp: 127404

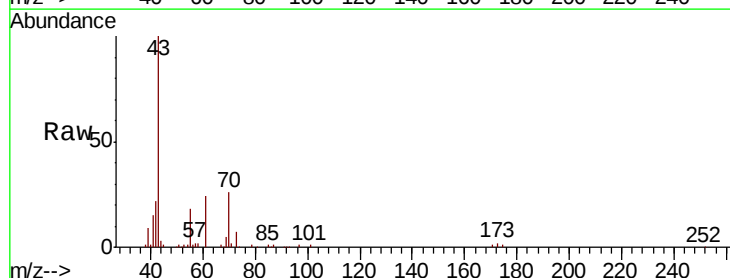
Ion Ratio Lower Upper

43 100

70 25.7 24.2 36.4

55 18.1 16.0 24.0

61 24.3 21.6 32.4

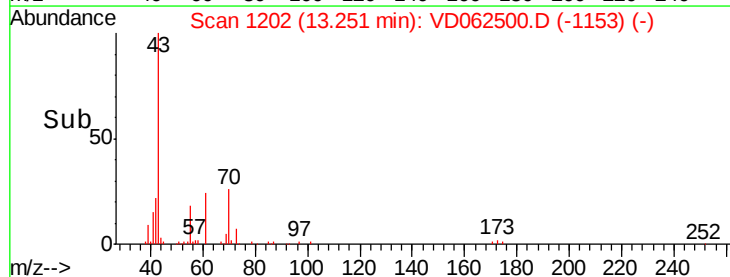
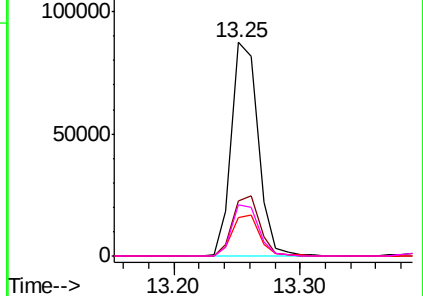


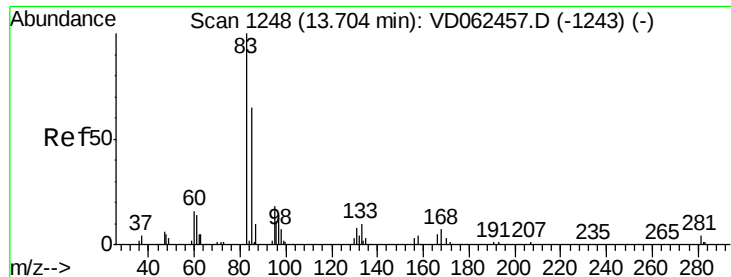
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.406 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

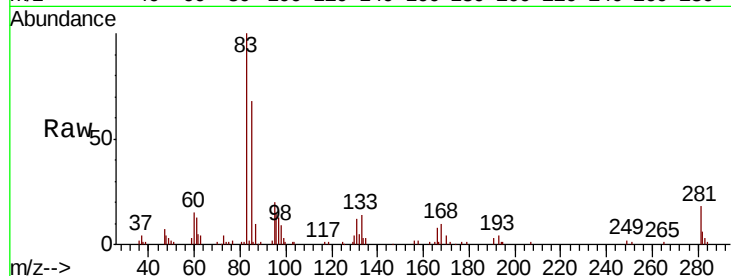
Tot Ion: 83 Resp: 101957

Ion Ratio Lower Upper

83 100

131 12.0 5.0 14.9

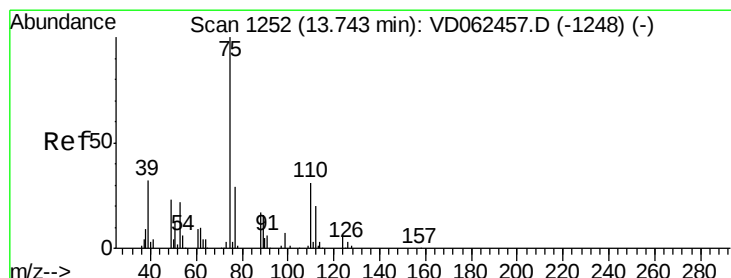
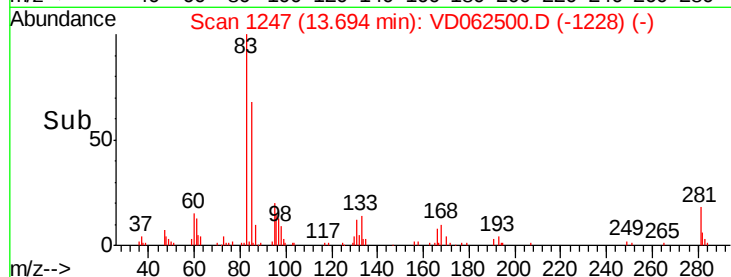
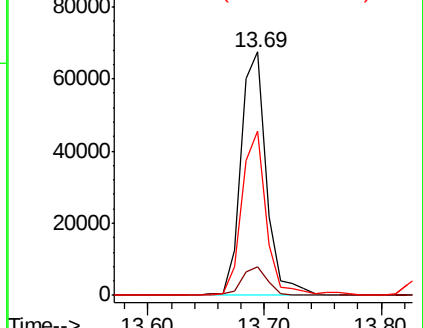
85 67.7 32.6 97.7



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: 21.667 ug/l

RT: 13.72 min Scan# 1250

Delta R.T. -0.02 min

Lab File: VD062500.D

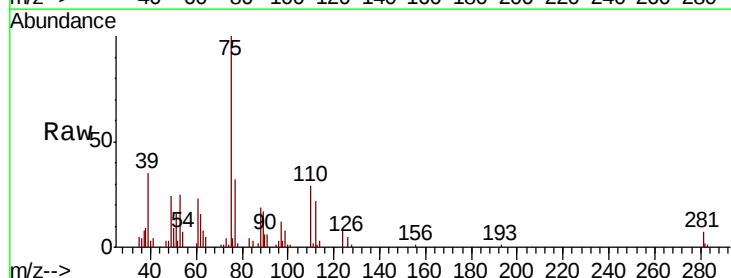
Acq: 22 May 2019 13:40

Tgt Ion: 75 Resp: 106893

Ion Ratio Lower Upper

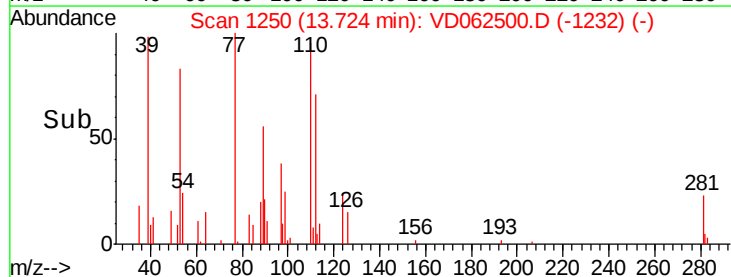
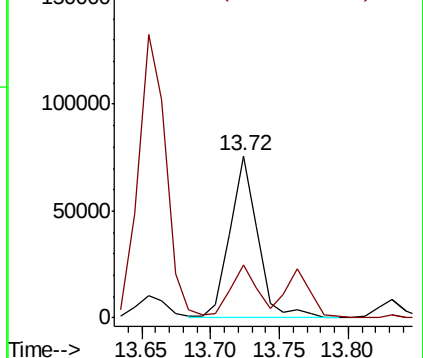
75 100

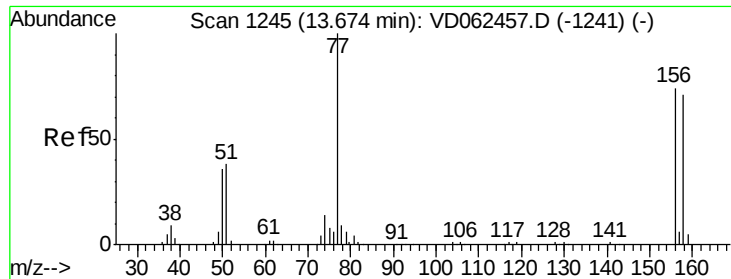
77 32.5 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.870 ug/l

RT: 13.66 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

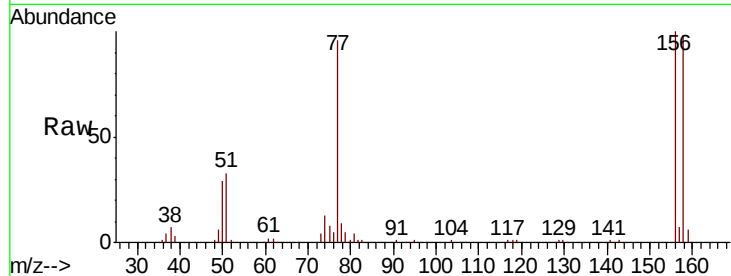
Tot Ion:156 Resp: 156302

Ion Ratio Lower Upper

156 100

77 96.1 53.1 159.4

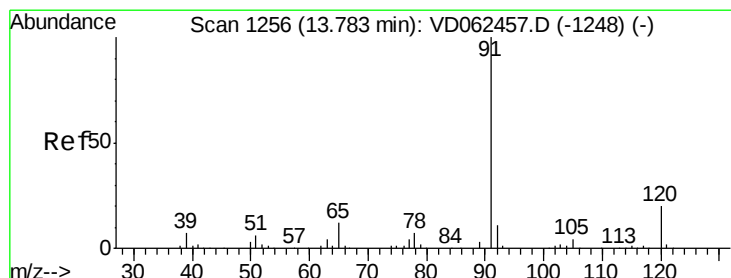
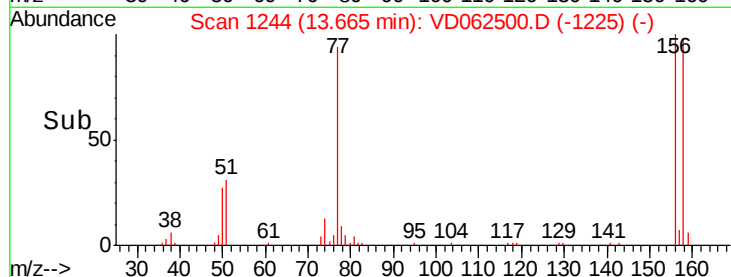
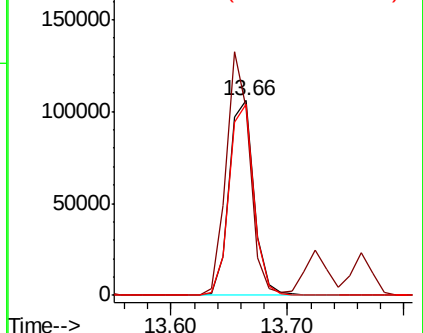
158 98.3 49.4 148.0



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: 22.305 ug/l

RT: 13.76 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD062500.D

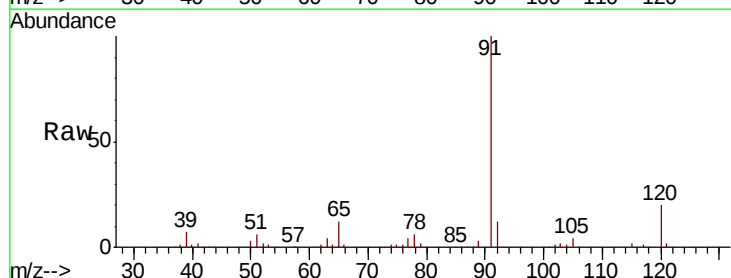
Acq: 22 May 2019 13:40

Tgt Ion: 91 Resp: 682137

Ion Ratio Lower Upper

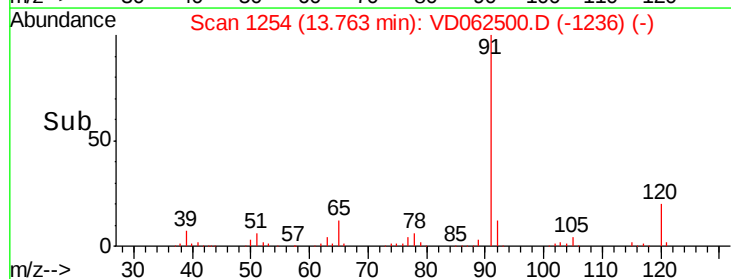
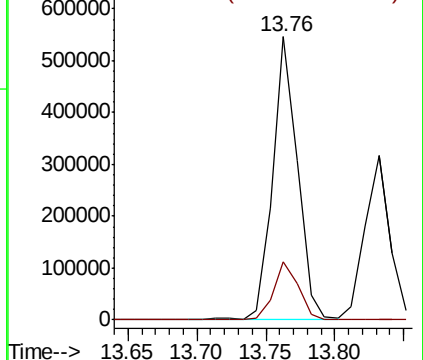
91 100

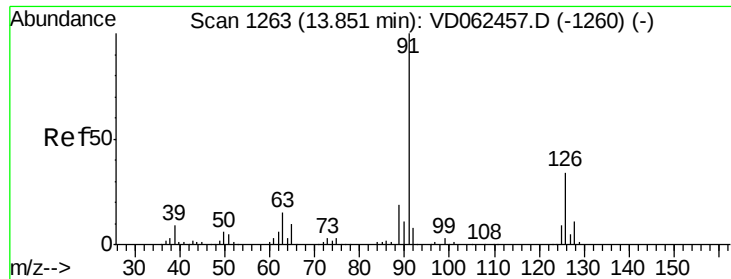
120 20.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

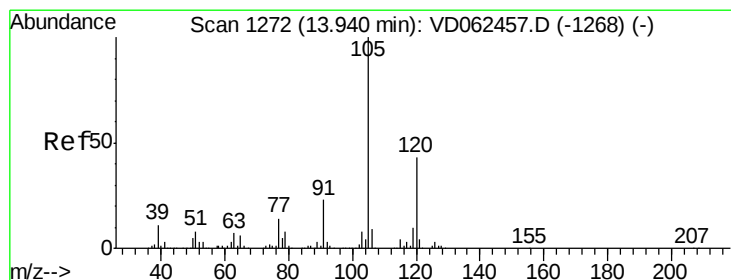
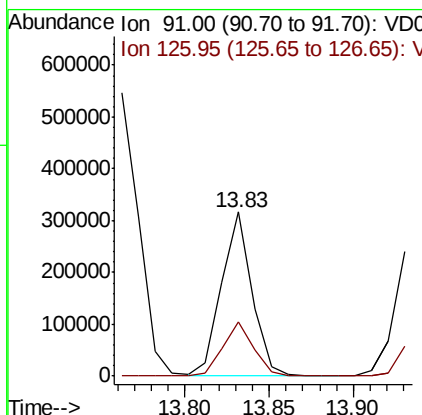
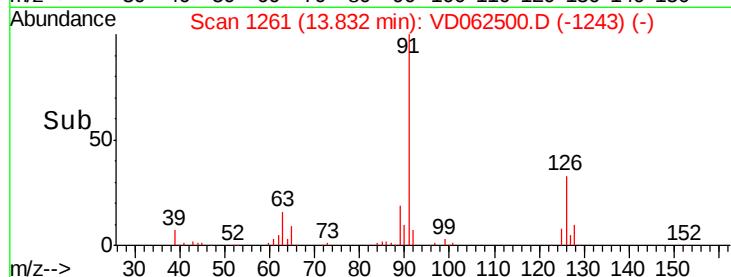
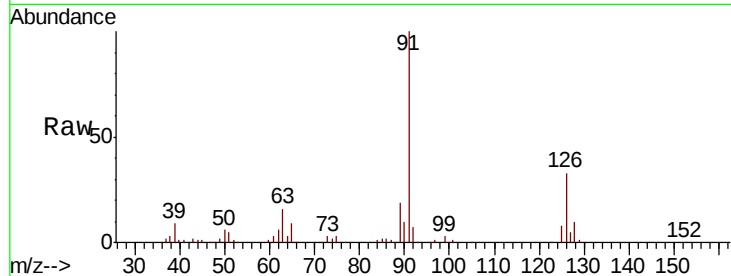




#79
 2-Chlorotoluene
 Concen: 21.542 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. -0.02 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

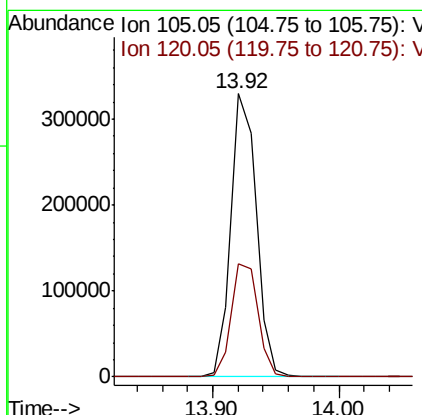
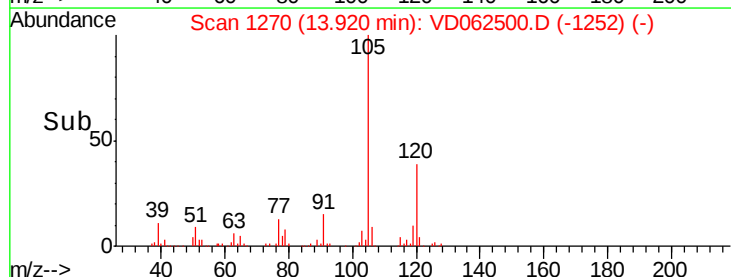
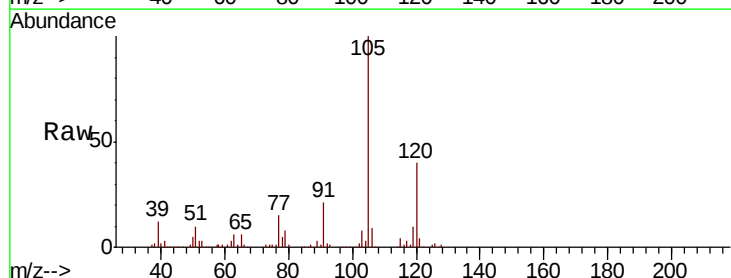
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

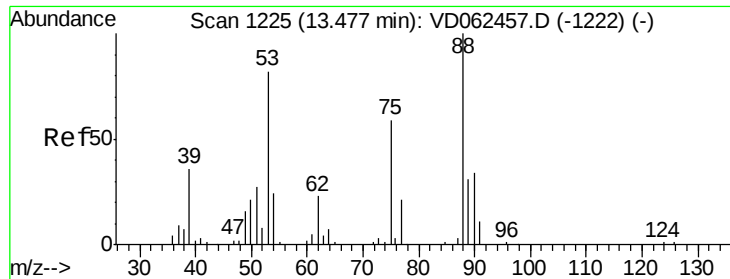
Tot Ion: 91 Resp: 399803
 Ion Ratio Lower Upper
 91 100
 126 32.9 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.057 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

Tgt Ion: 105 Resp: 458503
 Ion Ratio Lower Upper
 105 100
 120 39.9 24.0 72.0

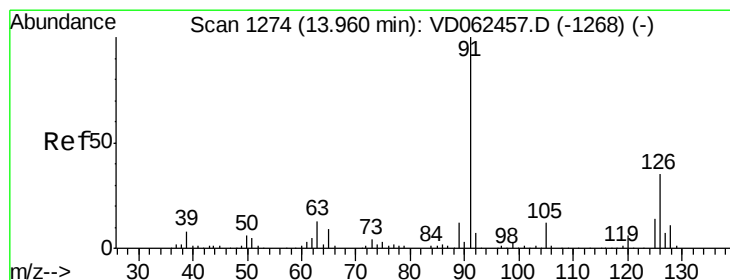
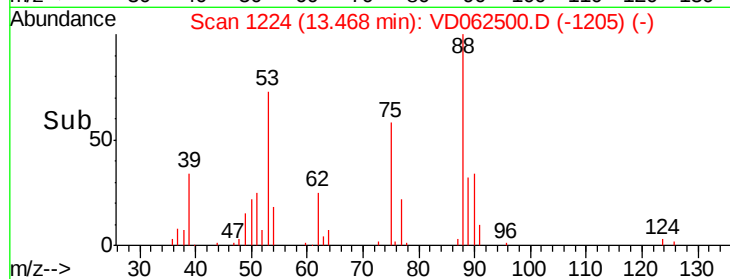
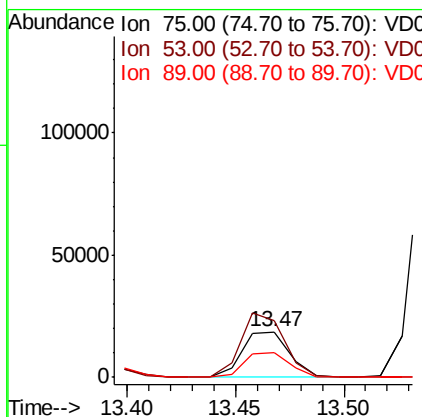
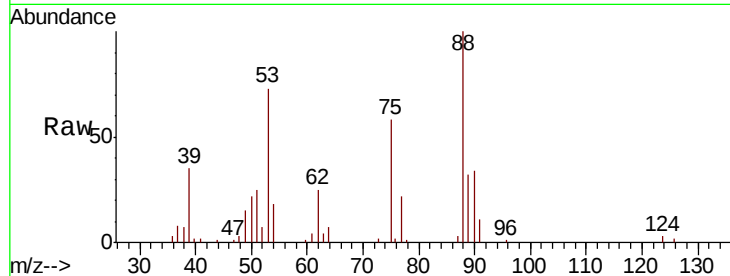




#81
trans-1,4-Dichloro-2-butene
Concen: 20.068 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

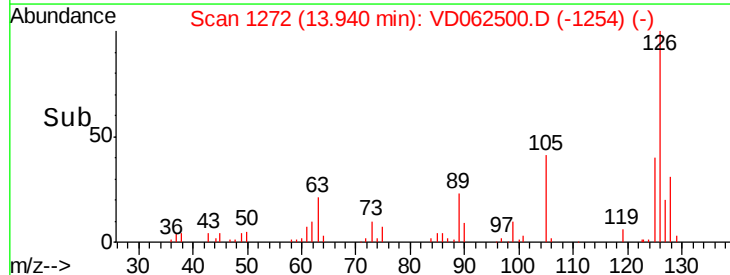
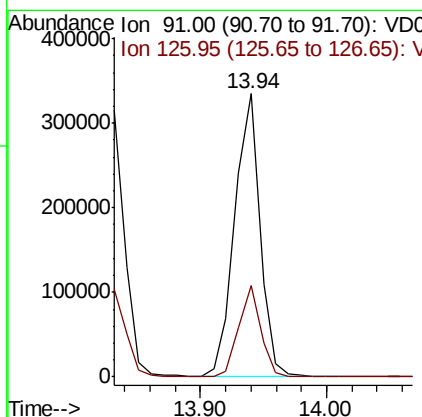
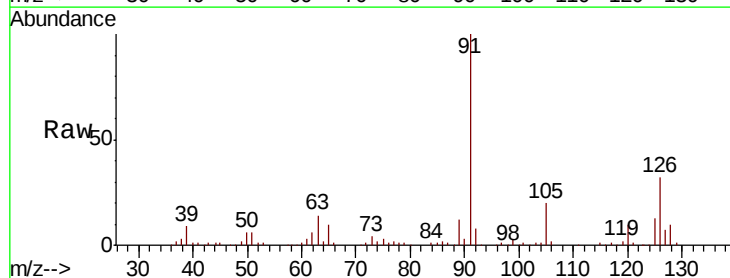
Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

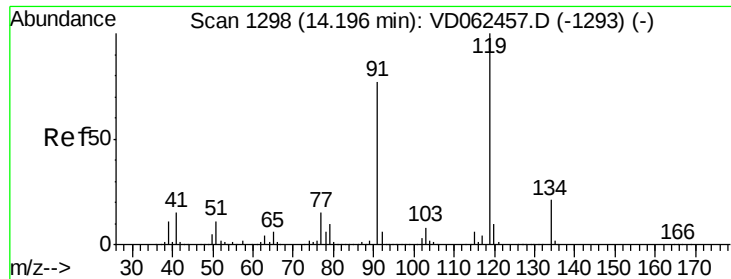
Tot Ion: 75 Resp: 27923
Ion Ratio Lower Upper
75 100
53 124.5 65.8 98.8#
89 55.1 35.0 52.6#



#82
4-Chlorotoluene
Concen: 21.608 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.02 min
Lab File: VD062500.D
Acq: 22 May 2019 13:40

Tgt Ion: 91 Resp: 461842
Ion Ratio Lower Upper
91 100
126 32.4 19.1 57.5





#83

tert-Butylbenzene

Concen: 20.936 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.02 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

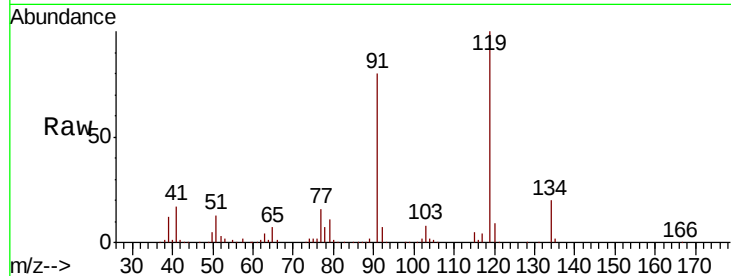
Tot Ion:119 Resp: 530874

Ion Ratio Lower Upper

119 100

91 80.4 34.2 102.6

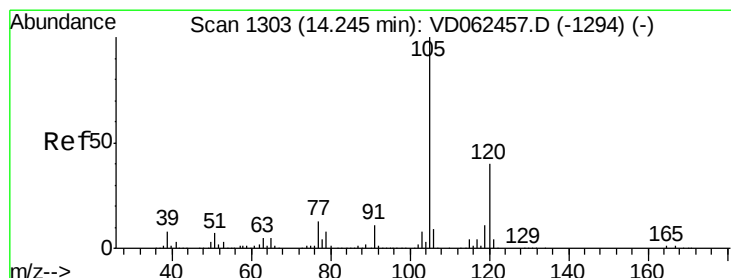
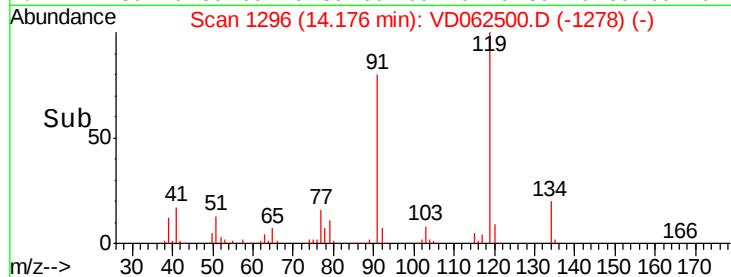
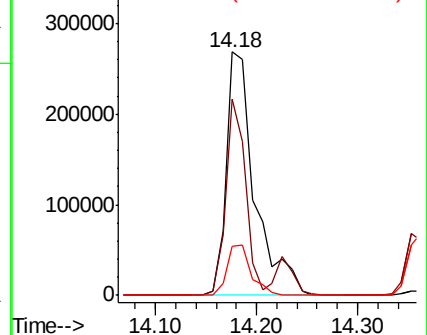
134 20.0 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.216 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.02 min

Lab File: VD062500.D

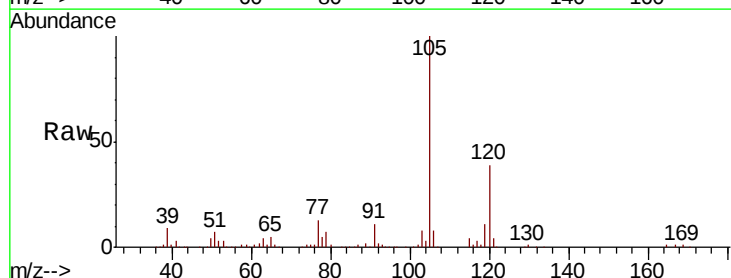
Acq: 22 May 2019 13:40

Tgt Ion:105 Resp: 473538

Ion Ratio Lower Upper

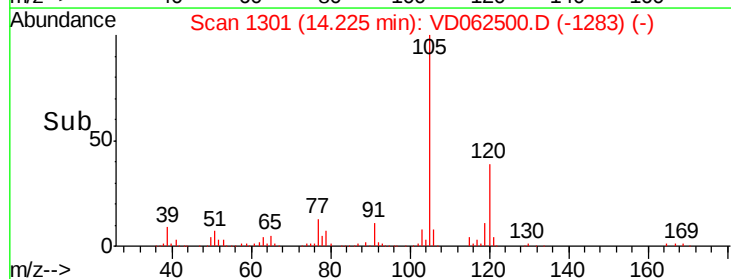
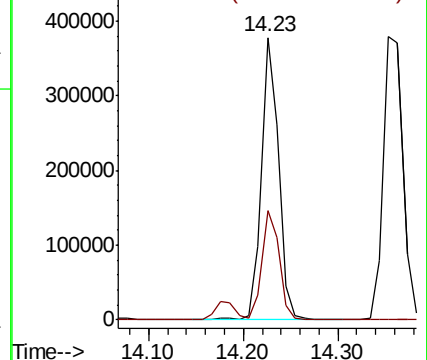
105 100

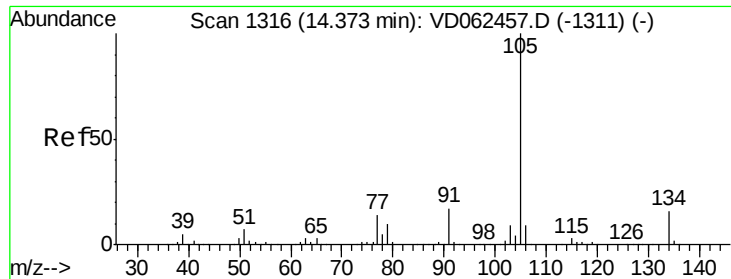
120 38.6 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

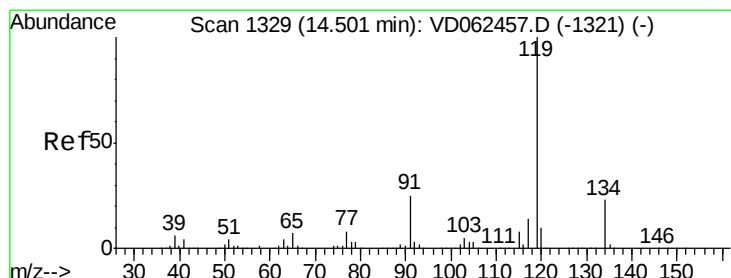
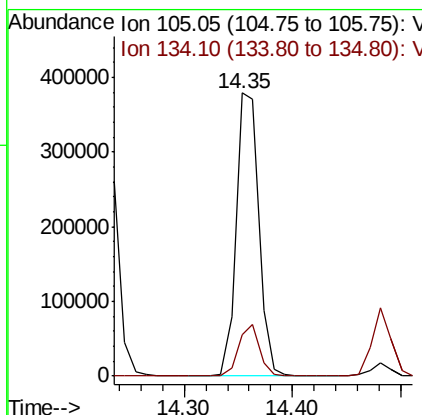
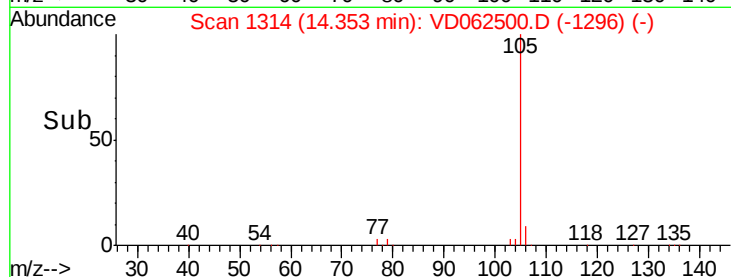
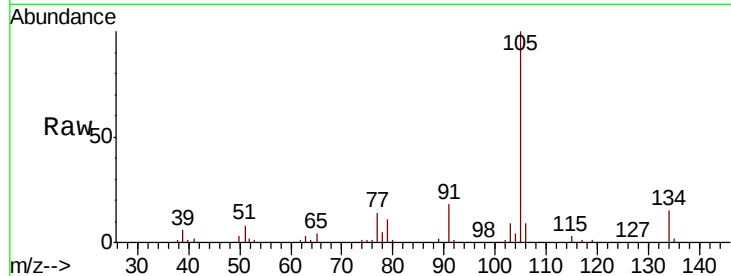




#85
 sec-Butylbenzene
 Concen: 20.898 ug/l
 RT: 14.35 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

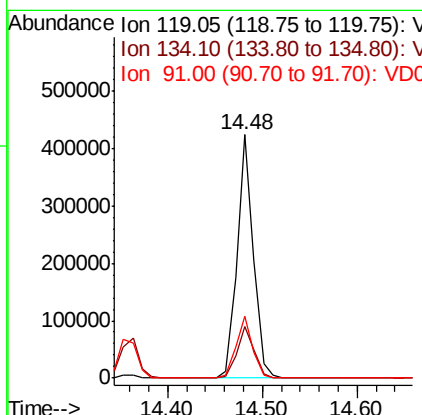
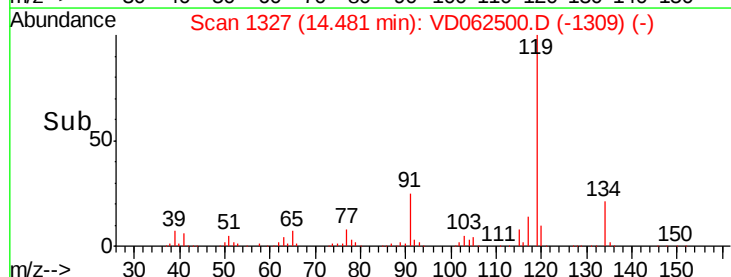
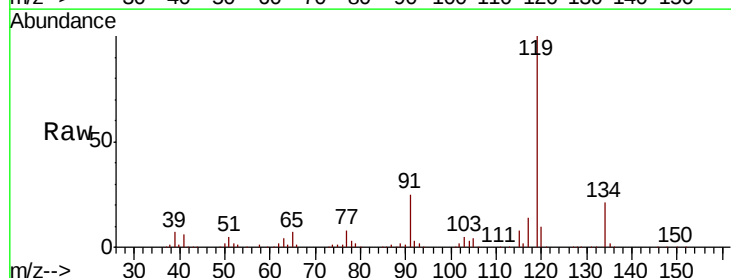
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

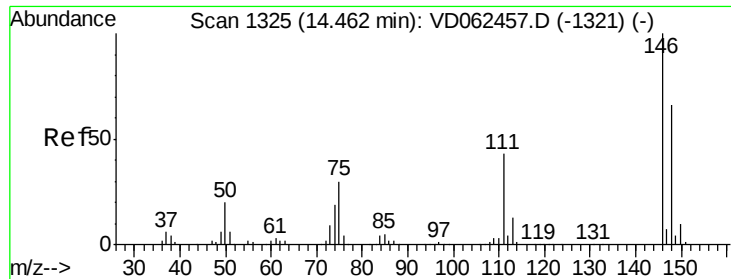
Tot Ion:105 Resp: 552541
 Ion Ratio Lower Upper
 105 100
 134 14.5 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 21.096 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.02 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

Tgt Ion:119 Resp: 505474
 Ion Ratio Lower Upper
 119 100
 134 21.4 12.8 38.3
 91 25.2 10.7 32.1

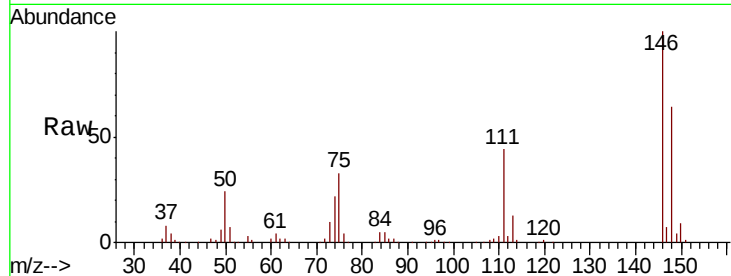




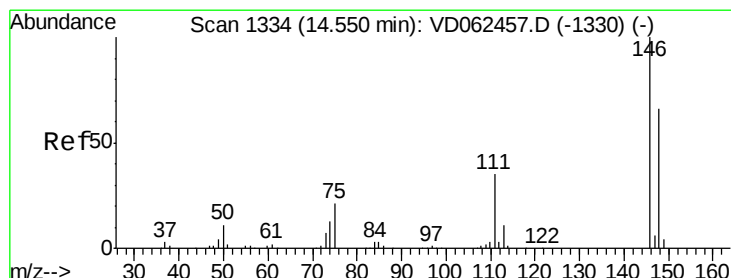
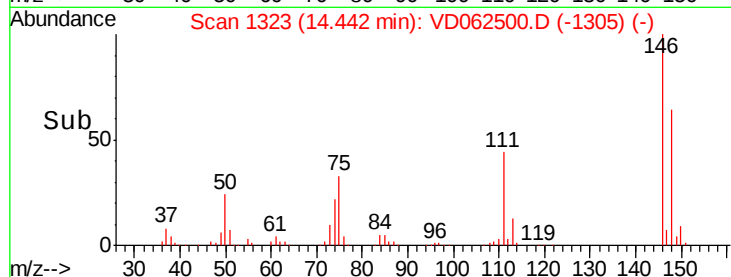
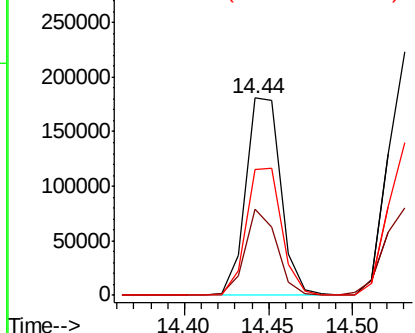
#87
 1,3-Dichlorobenzene
 Concen: 19.814 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

Tot Ion:146 Resp: 262065
 Ion Ratio Lower Upper
 146 100
 111 43.9 20.0 60.0
 148 63.8 31.8 95.4

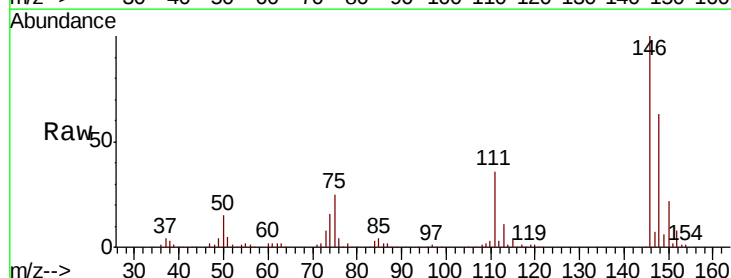


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

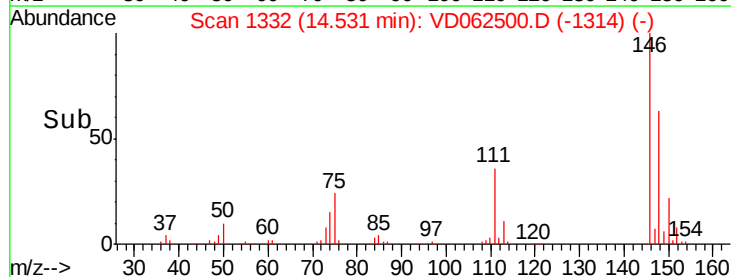
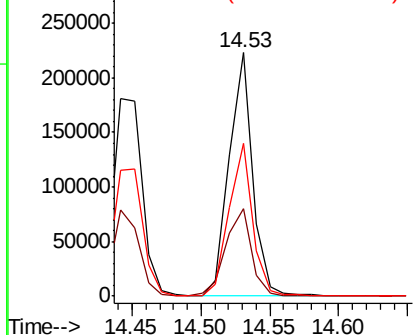


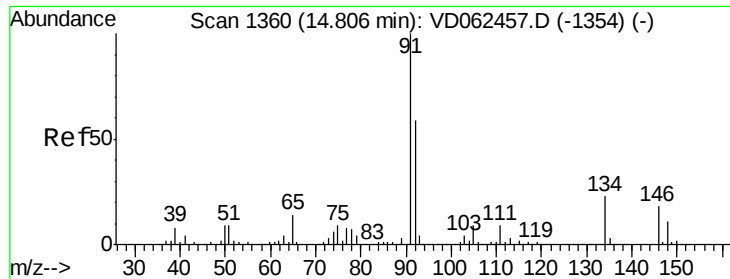
#88
 1,4-Dichlorobenzene
 Concen: 20.701 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

Tgt Ion:146 Resp: 264201
 Ion Ratio Lower Upper
 146 100
 111 36.0 20.2 60.5
 148 62.9 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: 19.681 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

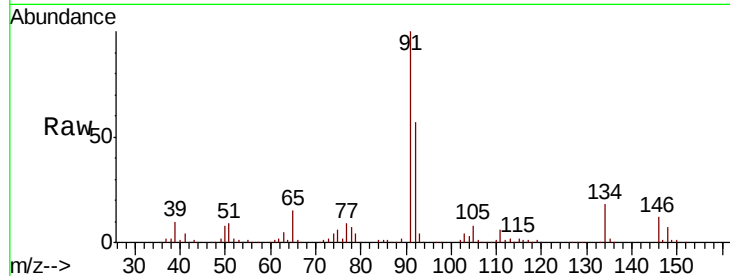
Tot Ion: 91 Resp: 455107

Ion Ratio Lower Upper

91 100

92 57.2 30.3 91.0

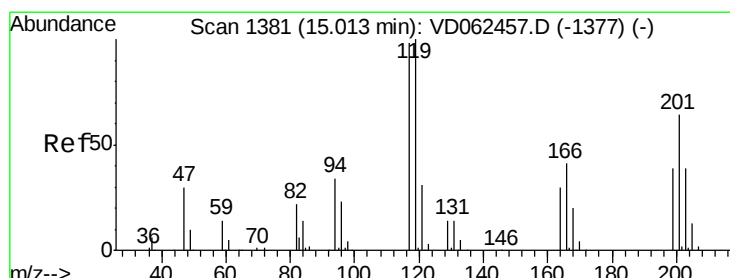
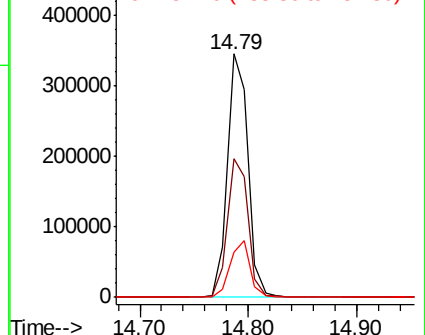
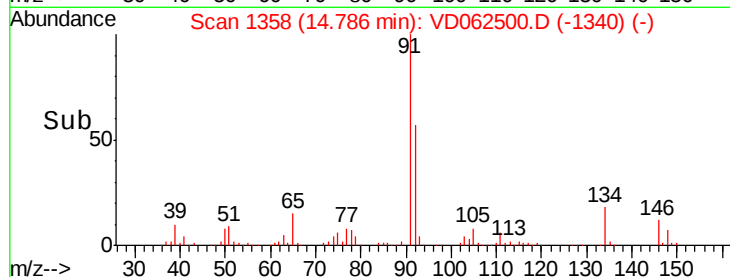
134 18.4 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.872 ug/l

RT: 15.00 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD062500.D

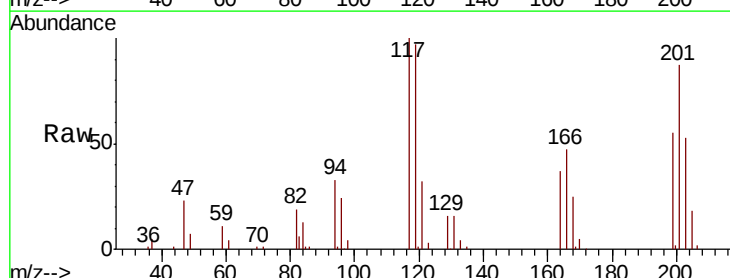
Acq: 22 May 2019 13:40

Tgt Ion: 117 Resp: 138214

Ion Ratio Lower Upper

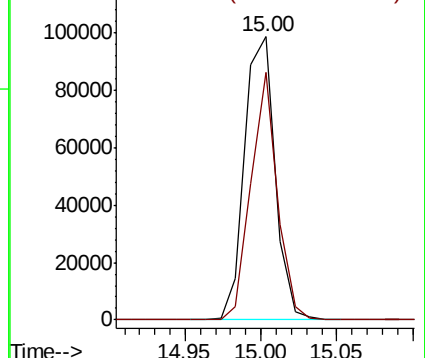
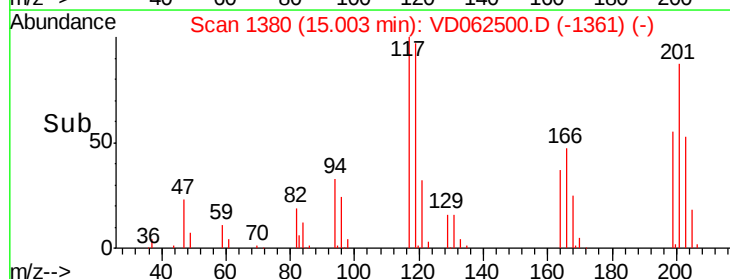
117 100

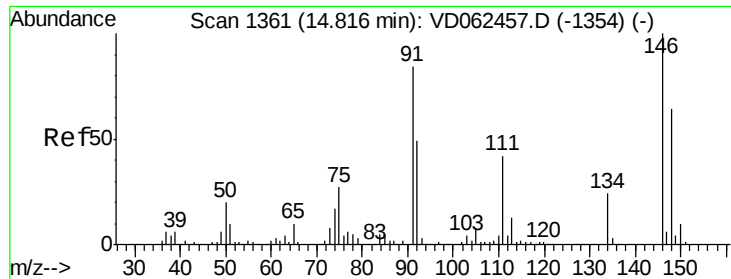
201 87.4 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

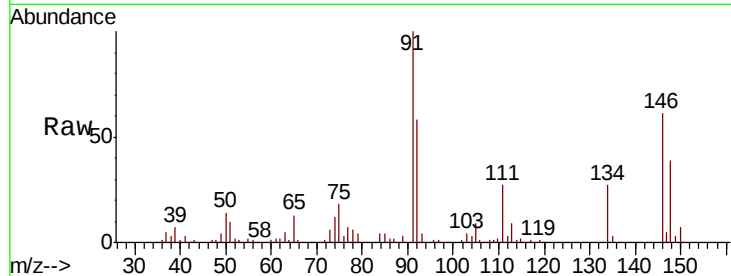




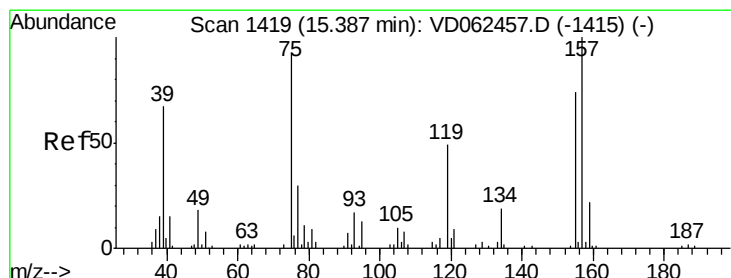
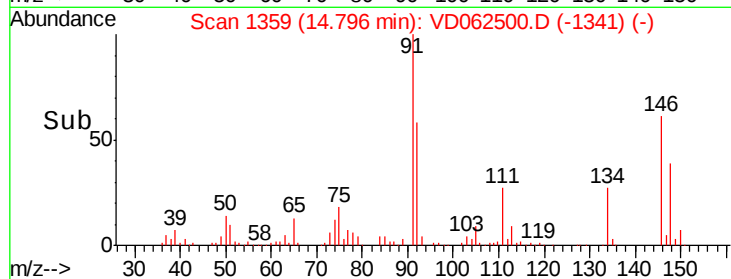
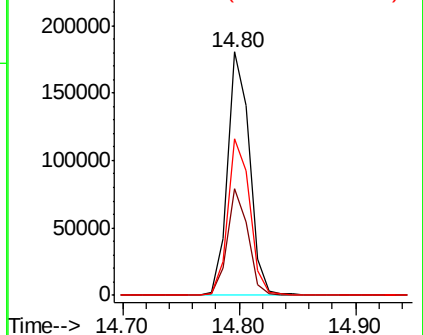
#91
 1,2-Dichlorobenzene
 Concen: 20.959 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

Tot Ion:146 Resp: 235718
 Ion Ratio Lower Upper
 146 100
 111 43.7 20.0 59.9
 148 64.3 32.3 96.8

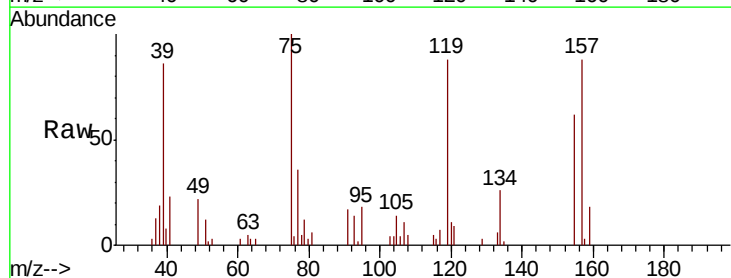


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

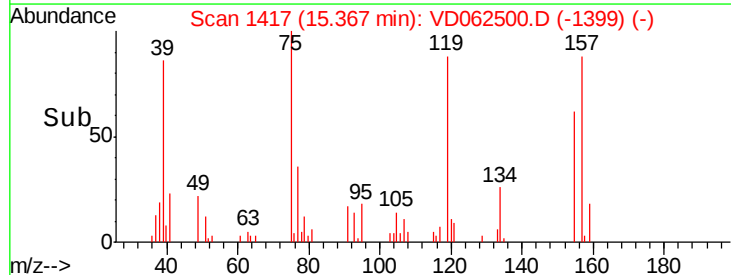
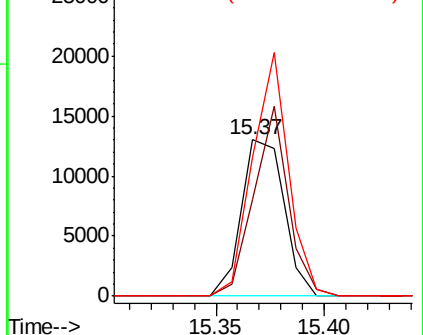


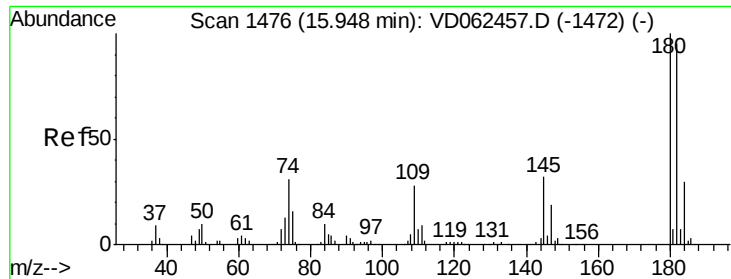
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.653 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

Tgt Ion: 75 Resp: 17768
 Ion Ratio Lower Upper
 75 100
 155 61.8 55.3 165.8
 157 88.5 67.8 203.2



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

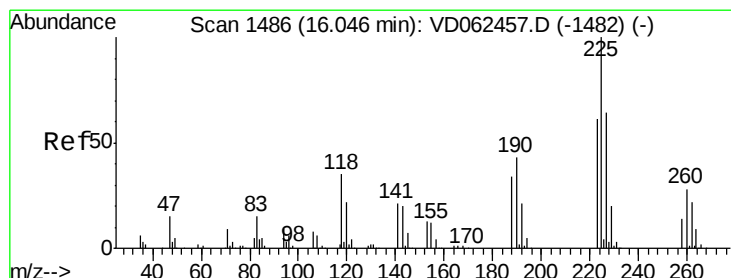
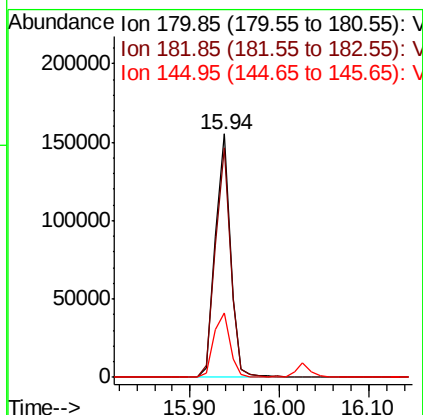
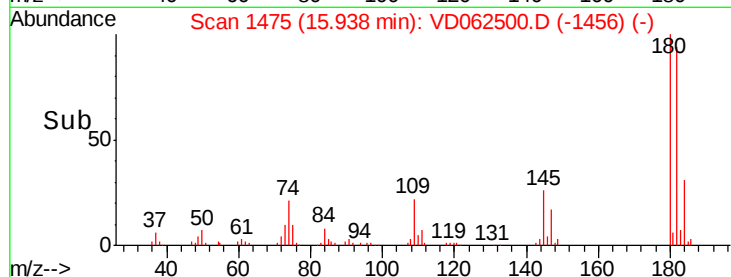
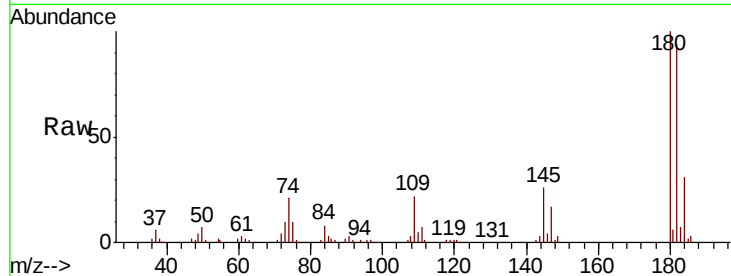




#93
 1,2,4-Trichlorobenzene
 Concen: 20.914 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

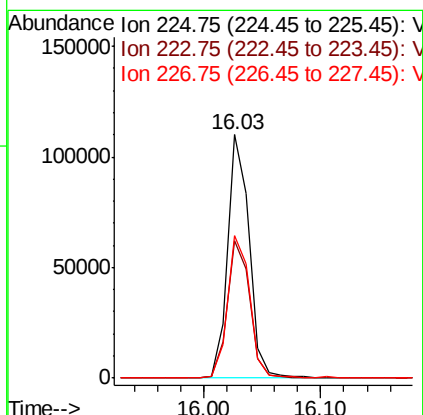
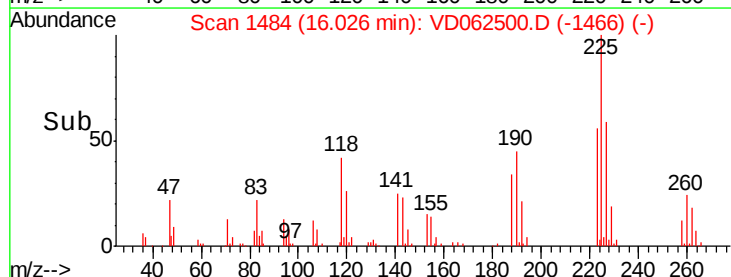
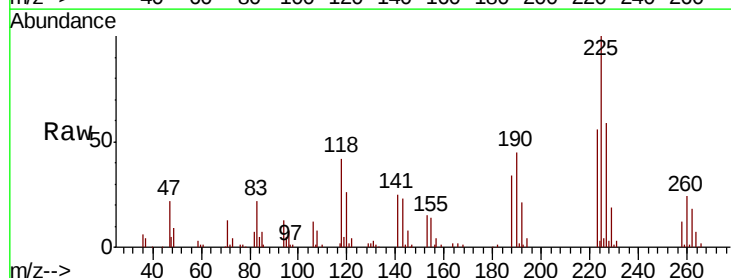
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

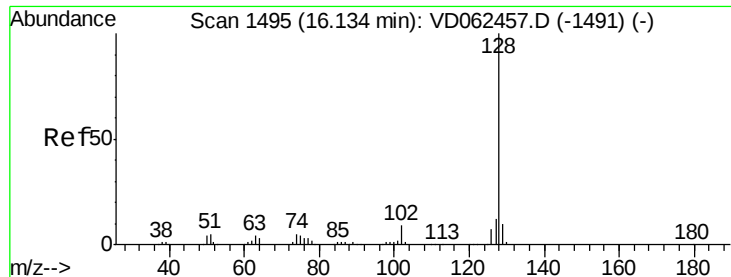
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	49.3	147.8
145	26.4	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 21.472 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.02 min
 Lab File: VD062500.D
 Acq: 22 May 2019 13:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	56.4	30.6	92.0
227	58.7	32.0	96.2





#95

Naphthalene

Concen: 20.962 ug/l

RT: 16.11 min Scan# 1493

Delta R.T. -0.02 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

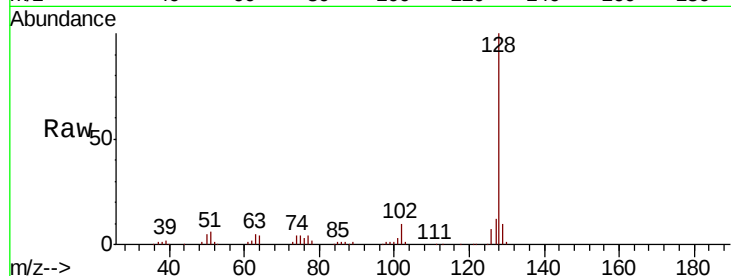
Tot Ion:128 Resp: 253638

Ion Ratio Lower Upper

128 100

127 12.3 9.8 14.8

129 10.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

300000

250000

200000

150000

100000

50000

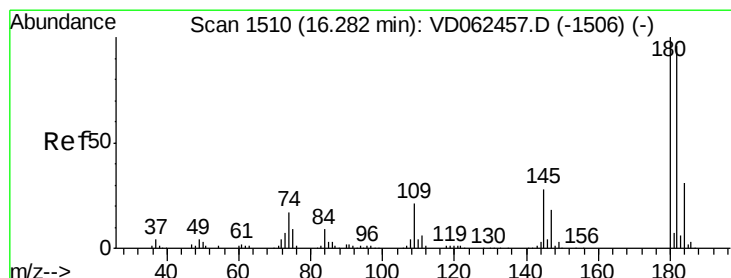
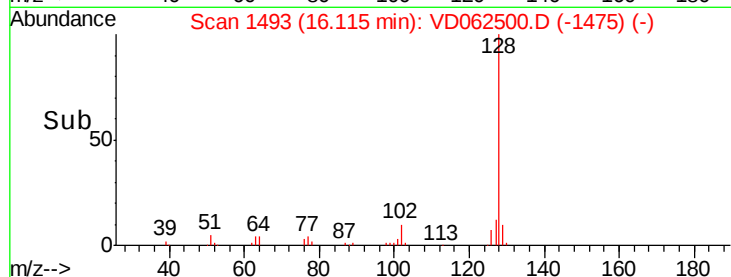
0

16.11

16.10

16.20

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 19.227 ug/l

RT: 16.26 min Scan# 1508

Delta R.T. -0.02 min

Lab File: VD062500.D

Acq: 22 May 2019 13:40

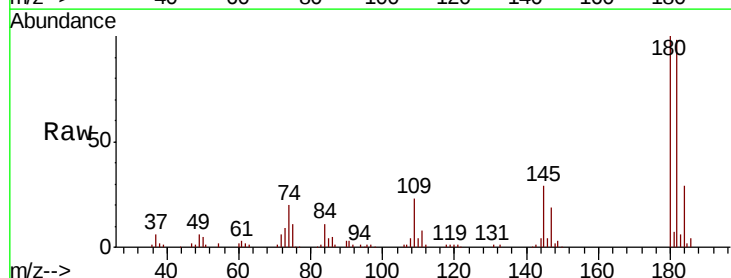
Tgt Ion:180 Resp: 139578

Ion Ratio Lower Upper

180 100

182 97.8 47.0 141.0

145 29.0 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

150000

100000

50000

0

16.26

16.20

16.30

16.35

Time-->

