

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062852.D
 Acq On : 24 Jun 2019 20:37
 Operator : VA/AP
 Sample : K3482-05
 Misc : 6.23g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Quant Time: Jun 25 05:05:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	48913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	83737	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	64902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	45449	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	56386	106.05	ug/l	0.00
Spiked Amount			Recovery	=	212.10%	
35) Dibromofluoromethane	6.92	113	41344	58.56	ug/l	-0.01
Spiked Amount			Recovery	=	117.12%	
50) Toluene-d8	10.40	98	95645	62.24	ug/l	-0.01
Spiked Amount			Recovery	=	124.48%	
62) 4-Bromofluorobenzene	13.54	95	127030	181.79	ug/l	-0.01
Spiked Amount			Recovery	=	363.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	793	3.588	ug/l #	13
6) Chloroethane	2.16	64	342	1.601	ug/l #	46
8) Diethyl Ether	2.73	74	378	3.115	ug/l	93
11) Tert butyl alcohol	4.06	59	226	9.333	ug/l #	77
13) Acrolein	3.05	56	194	7.848	ug/l #	15
16) Acetone	3.22	43	52058	489.528	ug/l	94
18) Methyl Acetate	3.64	43	553	3.445	ug/l #	58
20) Methylene Chloride	3.82	84	2432	5.998	ug/l #	77
25) 2-Butanone	6.08	43	226	2.273	ug/l #	64
29) Tetrahydrofuran	6.67	42	195	4.145	ug/l #	33
36) 1,1-Dichloropropene	7.05	75	3406	4.297	ug/l #	68
39) Methylcyclohexane	8.85	83	17139	24.563	ug/l #	59
43) Isopropyl Acetate	9.29	43	21794	52.442	ug/l #	48
47) Bromodichloromethane	9.32	83	3668	4.156	ug/l #	88
48) Methyl methacrylate	9.09	41	2252	7.626	ug/l #	45
51) 4-Methyl-2-Pentanone	10.39	43	34190	116.038	ug/l #	46
55) 1,1,2-Trichloroethane	11.25	97	10517	28.620	ug/l #	25
56) Ethyl methacrylate	11.10	69	33995	86.565	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.79	63	419	2.078	ug/l #	47
59) 2-Hexanone	11.50	43	688709	3282.033	ug/l #	35
61) 1,2-Dibromoethane	11.85	107	905	2.085	ug/l #	1
65) Chlorobenzene	12.45	112	1586	1.317	ug/l #	42
67) Ethyl Benzene	12.55	91	7587	3.508	ug/l #	46
73) Isopropylbenzene	13.41	105	44610	15.308	ug/l	95
74) N-amyl acetate	13.23	43	1674694	2366.445	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	13.72	83	500666	1054.466	ug/l #	46
76) 1,2,3-Trichloropropane	13.72	75	2415	4.603	ug/l #	1
77) Bromobenzene	13.73	156	2404	3.067	ug/l #	1
78) n-propylbenzene	13.78	91	72513	21.379	ug/l	90
79) 2-Chlorotoluene	13.90	91	29281	15.106	ug/l	89
80) 1,3,5-Trimethylbenzene	13.97	105	5164	2.110	ug/l #	30
81) trans-1,4-Dichloro-2-buten	13.47	75	2441	17.751	ug/l #	1
82) 4-Chlorotoluene	13.97	91	18874	8.088	ug/l	89
83) tert-Butylbenzene	14.19	119	44024	16.136	ug/l #	64

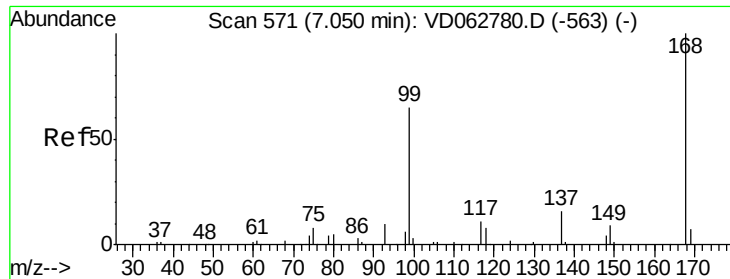
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
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 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	14.37	105	695394	277.179	ug/l #	33
85) sec-Butylbenzene	14.37	105	699149	235.771	ug/l	97
86) p-Isopropyltoluene	14.37	119	13406	4.942	ug/l #	1
89) n-Butylbenzene	14.78	91	199357	78.514	ug/l #	18
90) Hexachloroethane	15.06	117	279070	382.600	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	15.34	75	14811	159.821	ug/l #	43
93) 1,2,4-Trichlorobenzene	15.81	180	2486	2.647	ug/l	77
95) Naphthalene	16.11	128	30428	23.119	ug/l #	1
96) 1,2,3-Trichlorobenzene	16.25	180	7855	10.887	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampled :

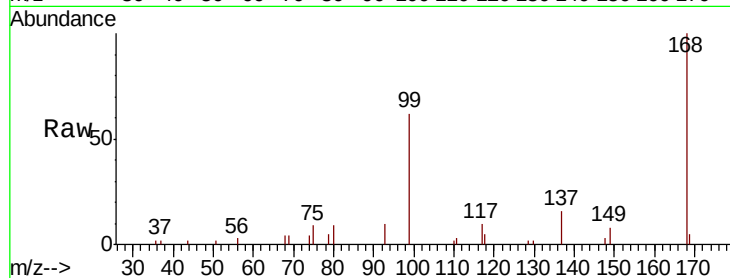
TP-3

Tot Ion:168 Resp: 48913

Ion Ratio Lower Upper

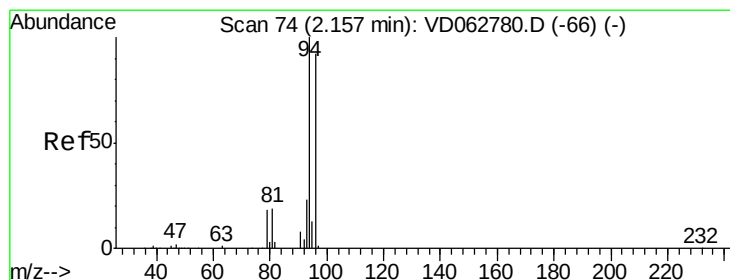
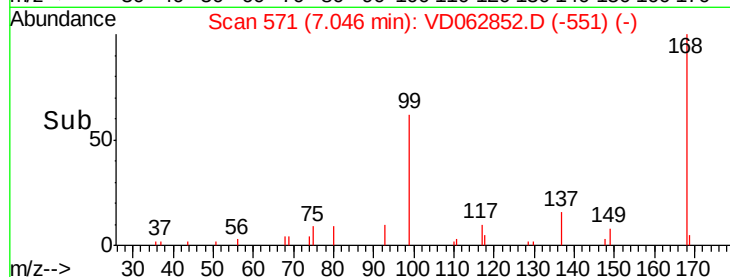
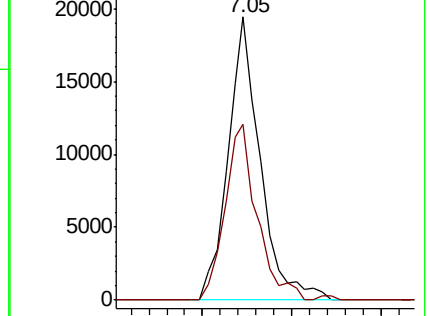
168 100

99 62.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 3.588 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

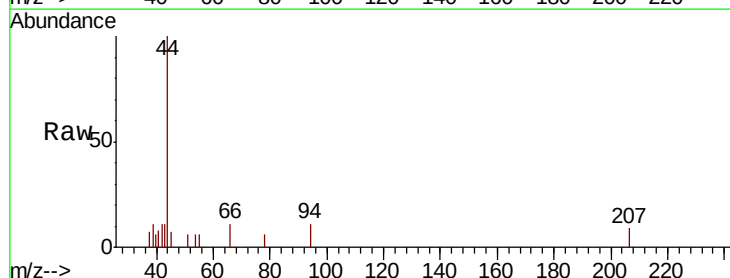
Tgt Ion: 94 Resp: 793

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

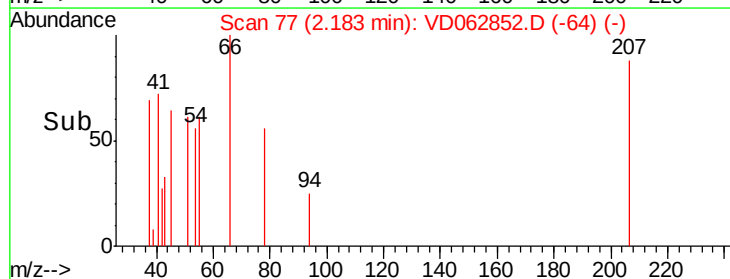
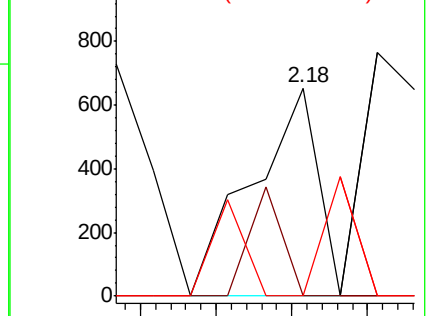
93 0.0 18.2 27.4#

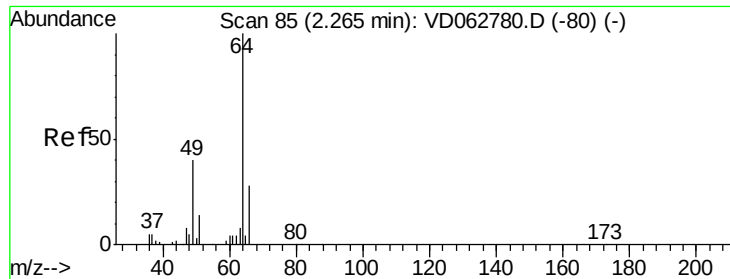


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#6

Chloroethane

Concen: 1.601 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.10 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

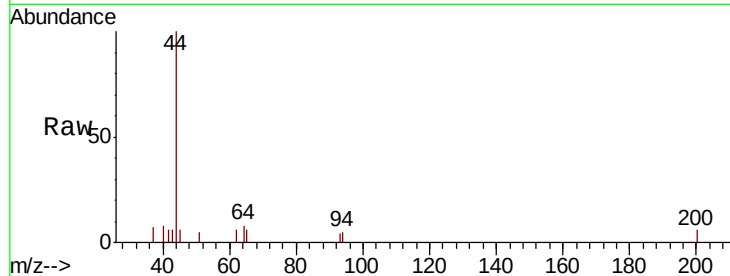
TP-3

Tot Ion: 64 Resp: 342

Ion Ratio Lower Upper

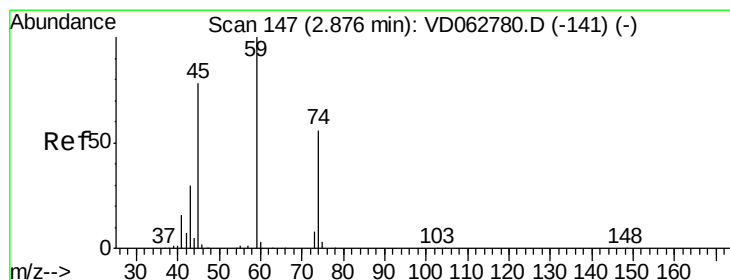
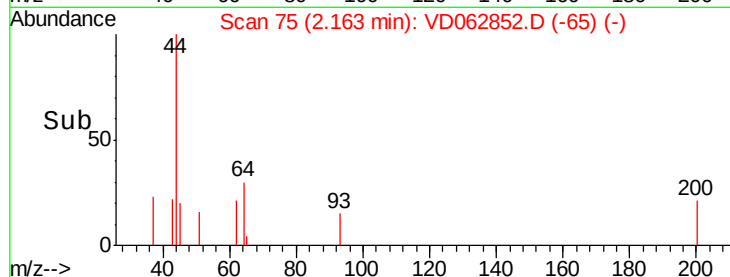
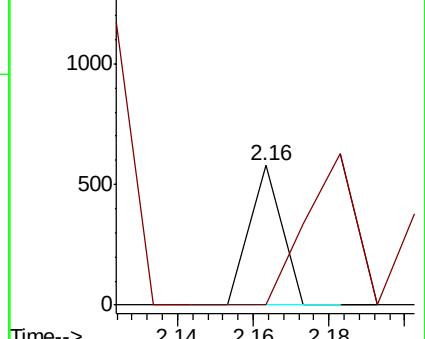
64 100

66 0.0 23.0 34.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#8

Diethyl Ether

Concen: 3.115 ug/l

RT: 2.73 min Scan# 133

Delta R.T. -0.14 min

Lab File: VD062852.D

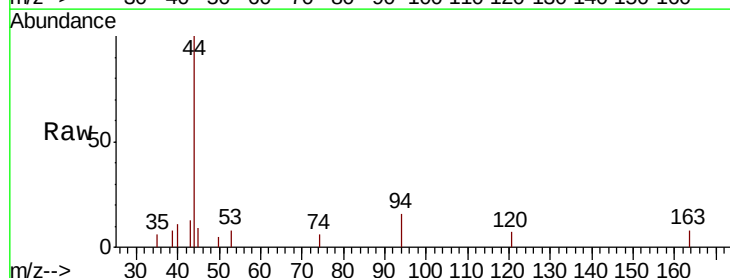
Acq: 24 Jun 2019 20:37

Tgt Ion: 74 Resp: 378

Ion Ratio Lower Upper

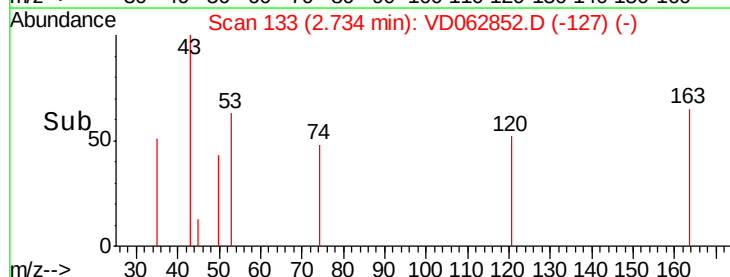
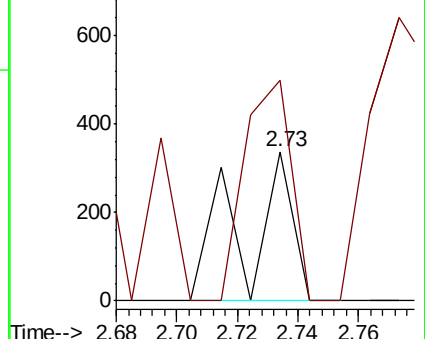
74 100

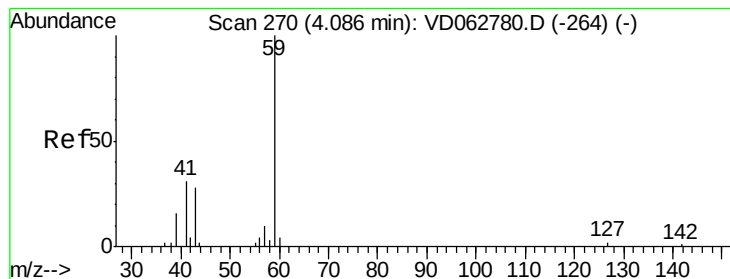
45 148.4 70.2 210.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



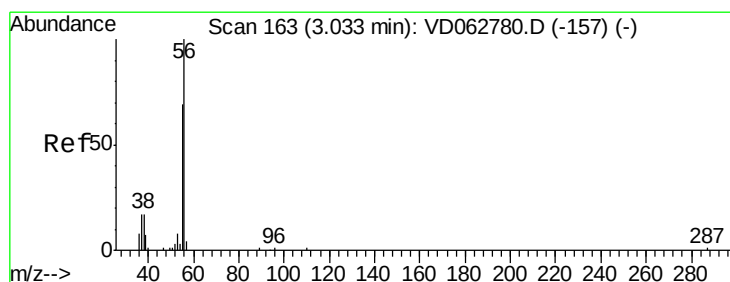
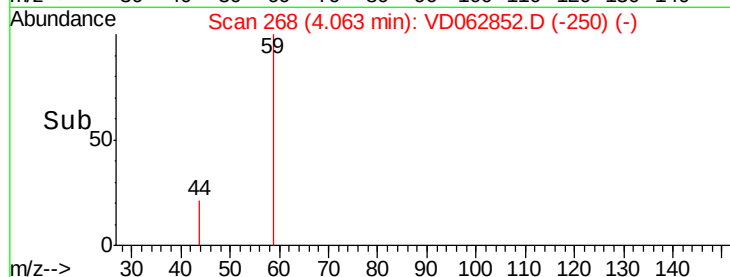
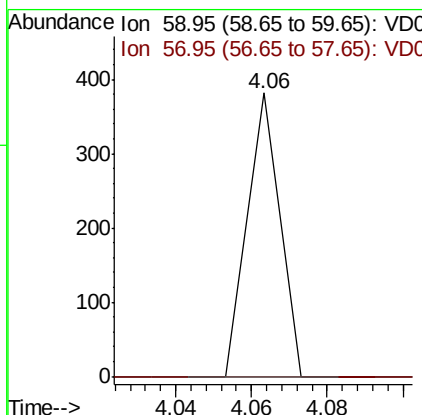
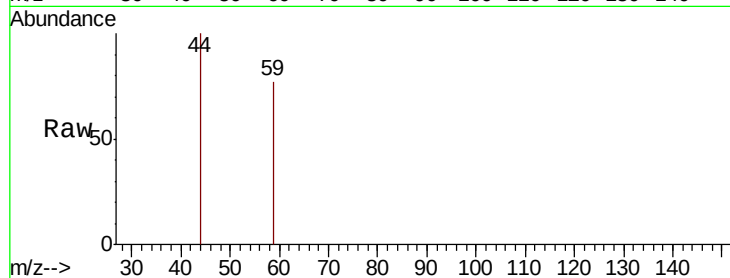


#11

Tert butyl alcohol
 Concen: 9.333 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.02 min
 Lab File: VD062852.D
 Acq: 24 Jun 2019 20:37

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

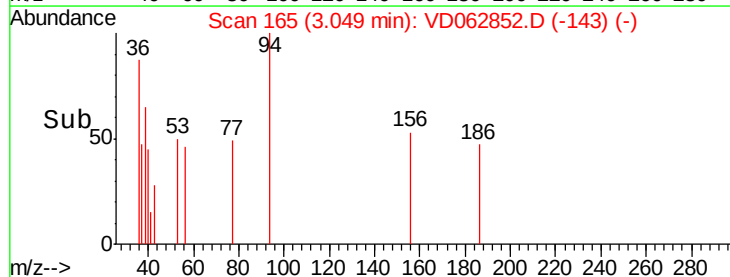
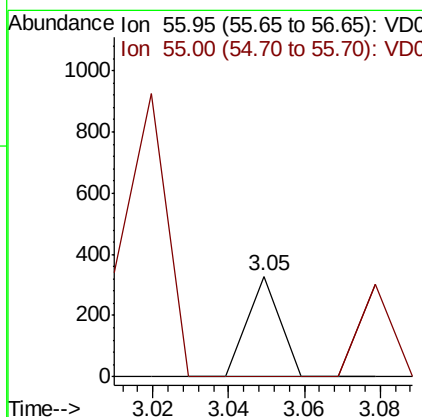
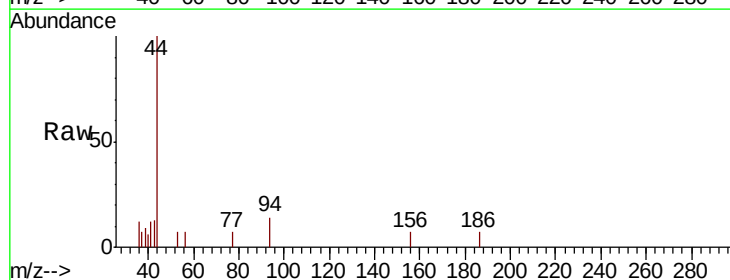
Tot Ion: 59 Resp: 226
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.6 10.0#

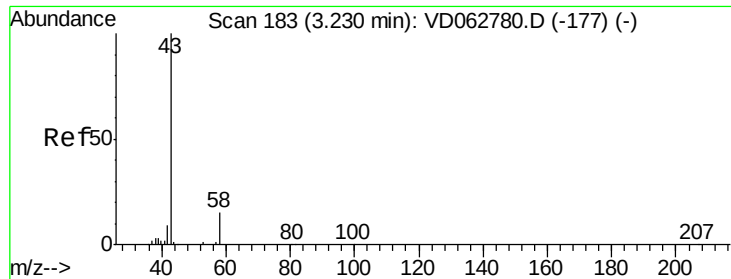


#13

Acrolein
 Concen: 7.848 ug/l
 RT: 3.05 min Scan# 165
 Delta R.T. 0.02 min
 Lab File: VD062852.D
 Acq: 24 Jun 2019 20:37

Tgt Ion: 56 Resp: 194
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.4 83.0#





#16

Acetone

Concen: 489.528 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

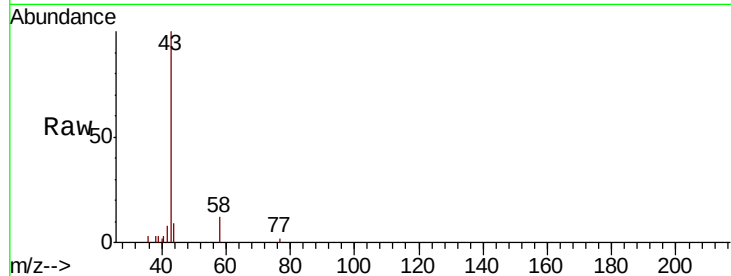
TP-3

Tot Ion: 43 Resp: 52058

Ion Ratio Lower Upper

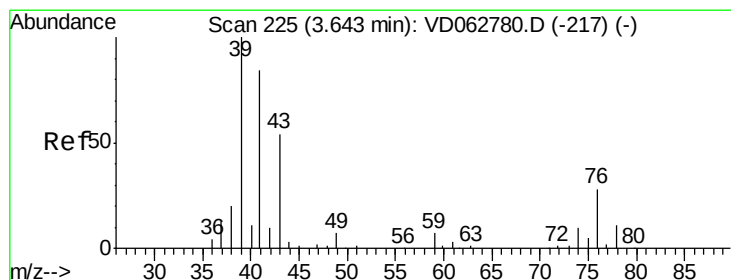
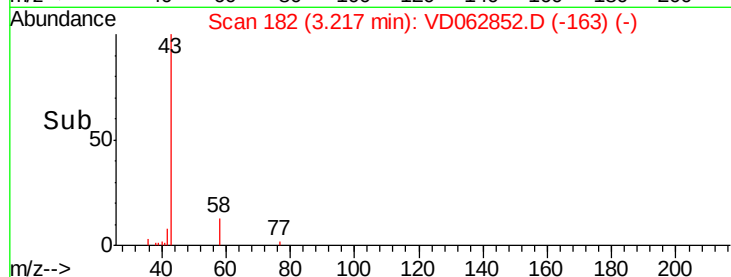
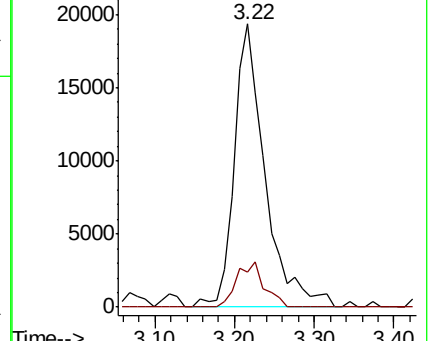
43 100

58 12.2 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 3.445 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD062852.D

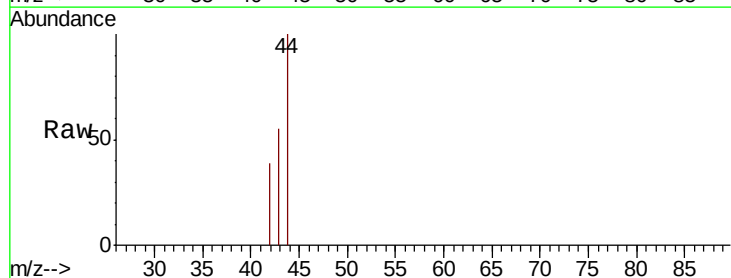
Acq: 24 Jun 2019 20:37

Tgt Ion: 43 Resp: 553

Ion Ratio Lower Upper

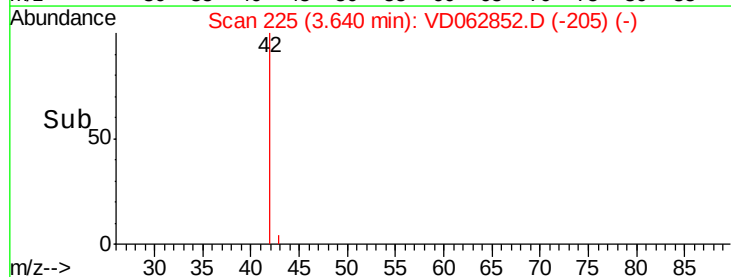
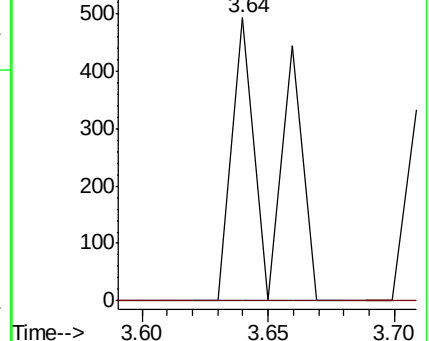
43 100

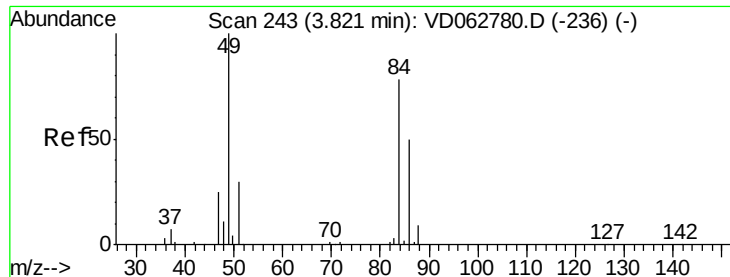
74 0.0 15.2 22.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

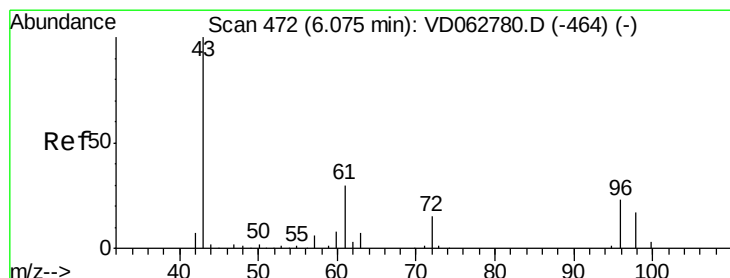
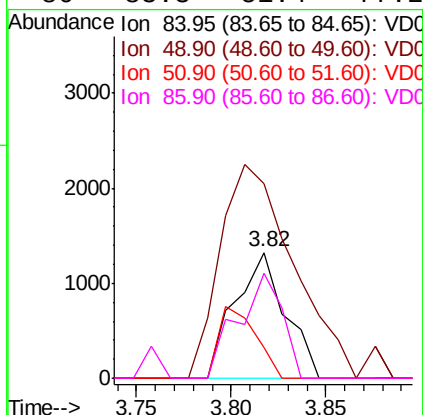
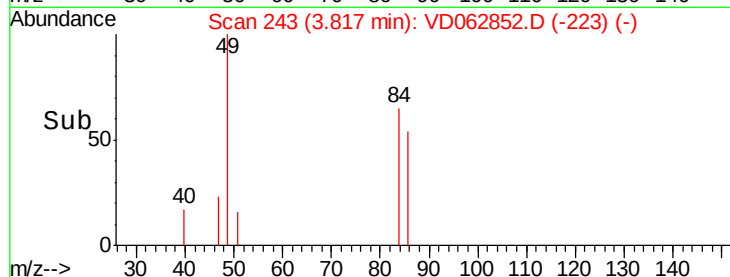
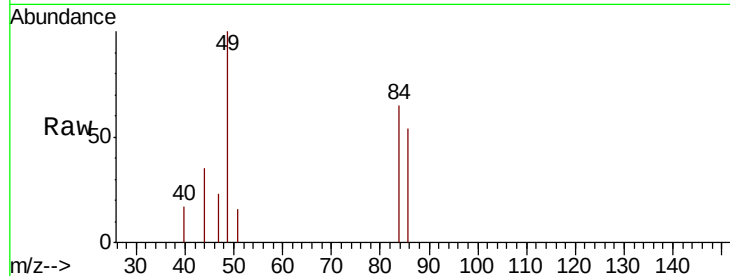




#20
Methylene Chloride
Concen: 5.998 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062852.D
Acq: 24 Jun 2019 20:37

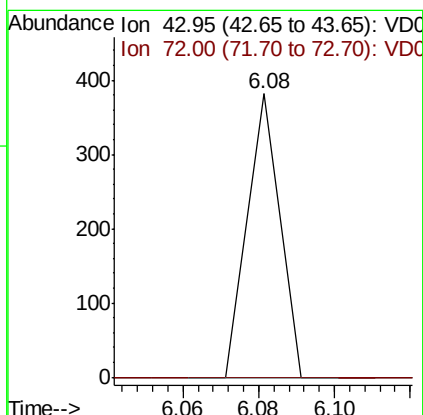
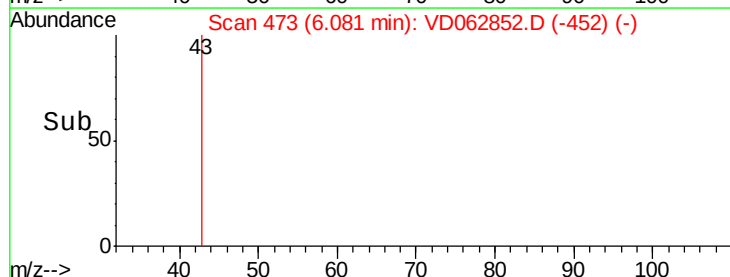
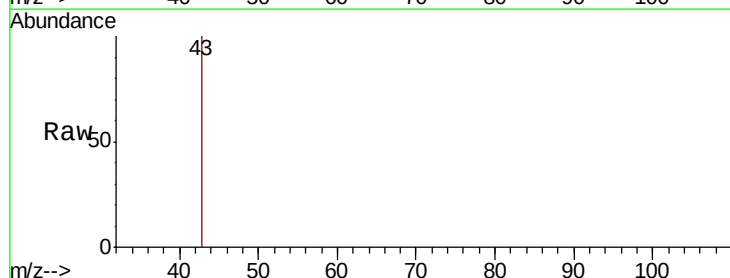
Instrument :
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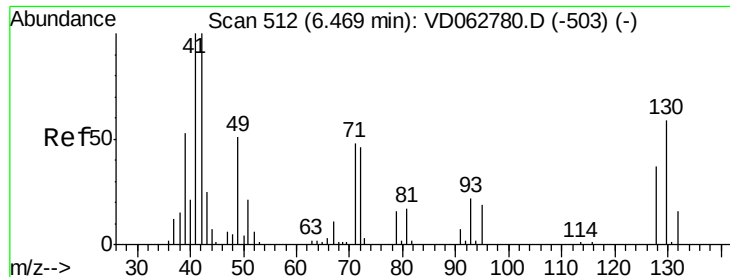
Tot Ion: 84 Resp: 2432
Ion Ratio Lower Upper
84 100
49 154.5 102.9 154.3#
51 25.0 31.2 46.8#
86 83.3 51.4 77.2#



#25
2-Butanone
Concen: 2.273 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD062852.D
Acq: 24 Jun 2019 20:37

Tgt Ion: 43 Resp: 226
Ion Ratio Lower Upper
43 100
72 0.0 11.9 17.9#





#29

Tetrahydrofuran

Concen: 4.145 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.20 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

TP-3

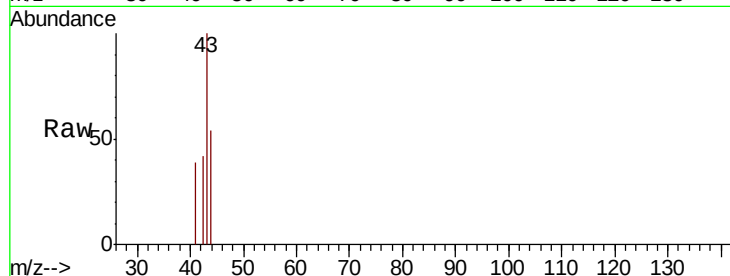
Tot Ion: 42 Resp: 195

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.6#

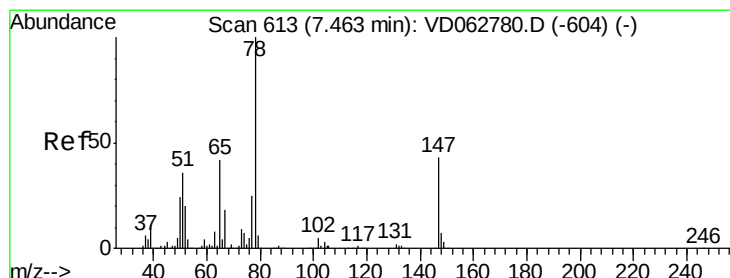
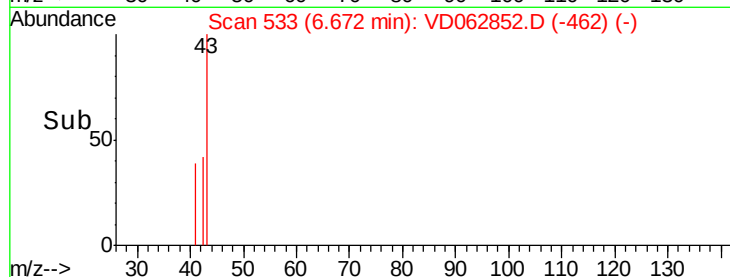
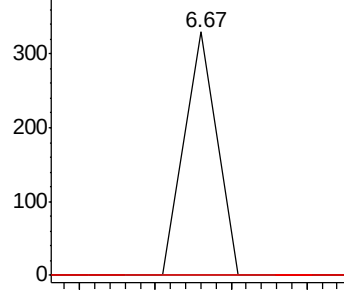
71 0.0 33.3 49.9#



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



#33

1,2-Dichloroethane-d4

Concen: 106.053 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062852.D

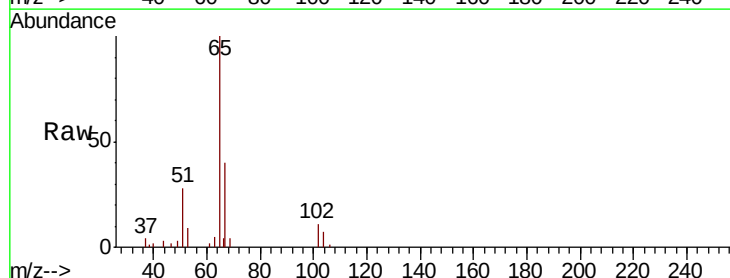
Acq: 24 Jun 2019 20:37

Tgt Ion: 65 Resp: 56386

Ion Ratio Lower Upper

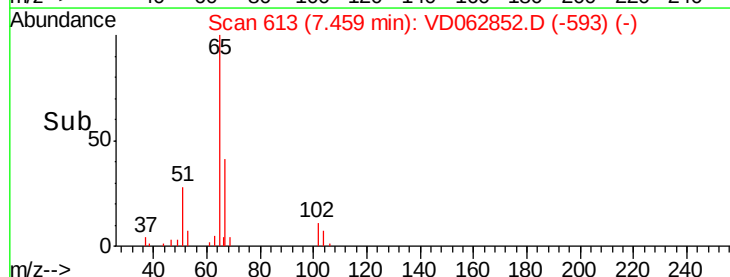
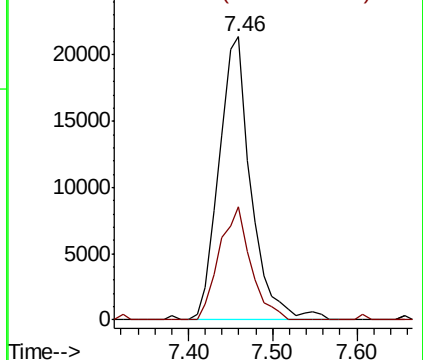
65 100

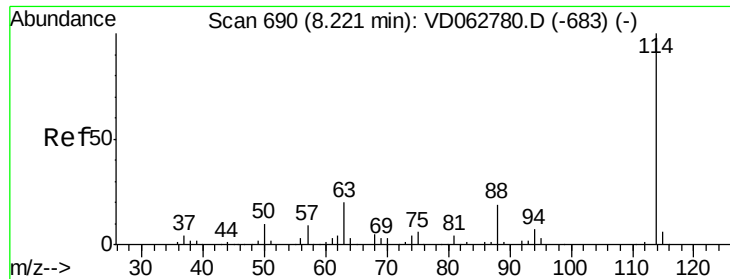
67 39.9 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

TP-3

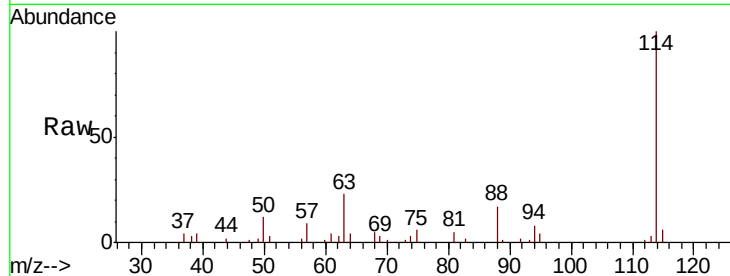
Tot Ion:114 Resp: 83737

Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.0

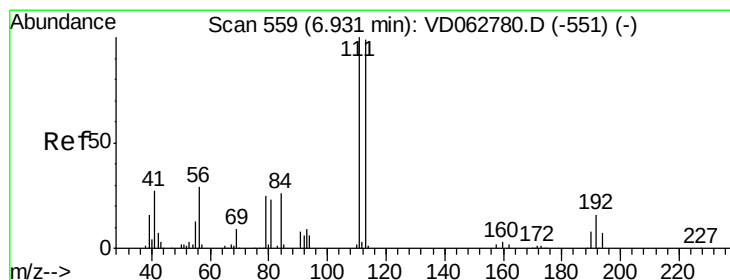
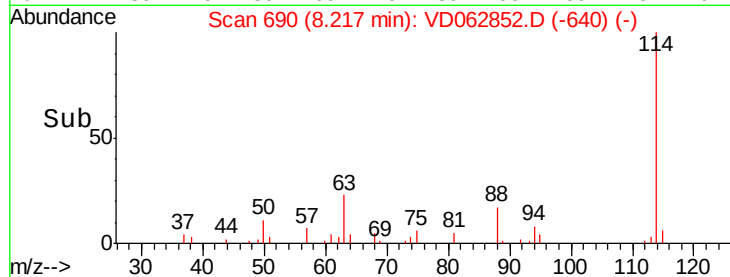
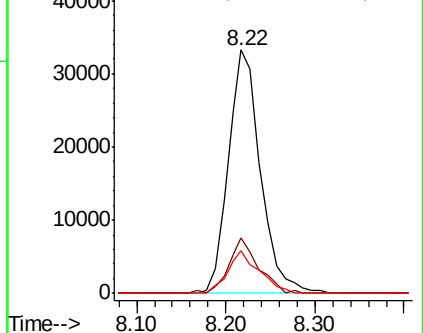
88 17.3 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 58.555 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

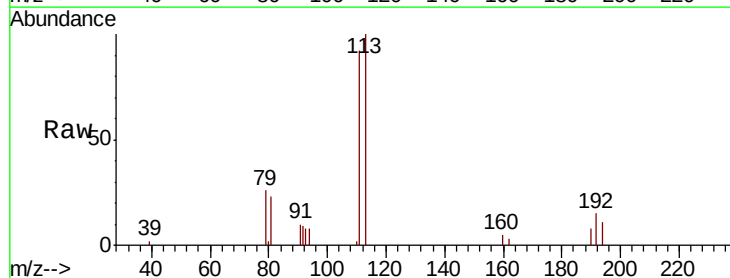
Tgt Ion:113 Resp: 41344

Ion Ratio Lower Upper

113 100

111 91.7 81.2 121.8

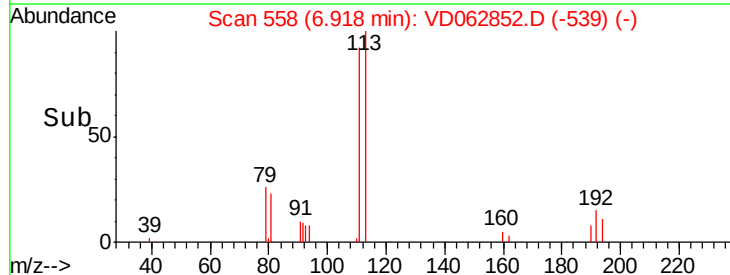
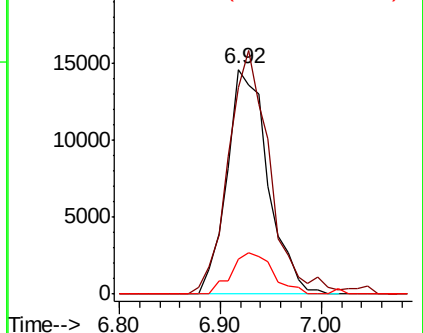
192 15.3 12.9 19.3

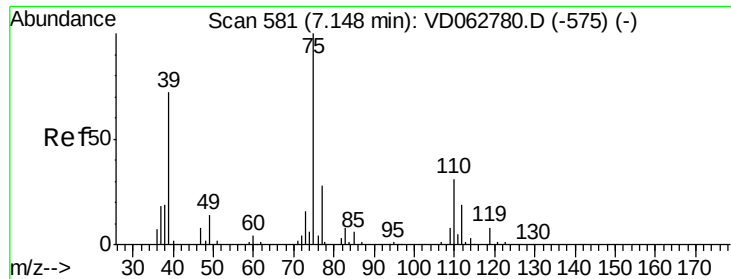


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

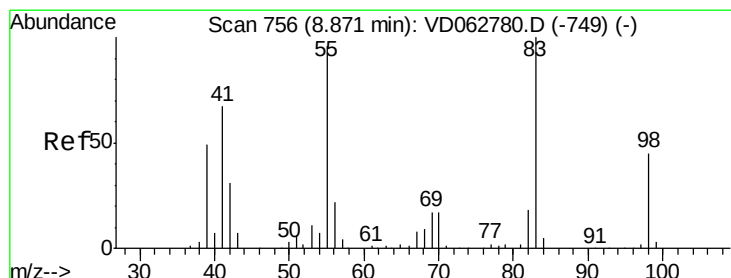
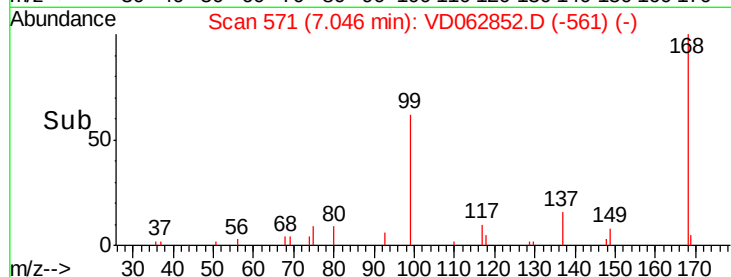
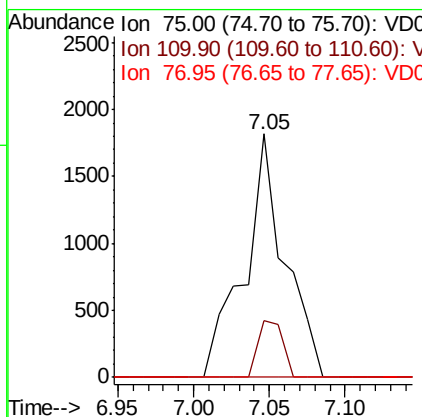
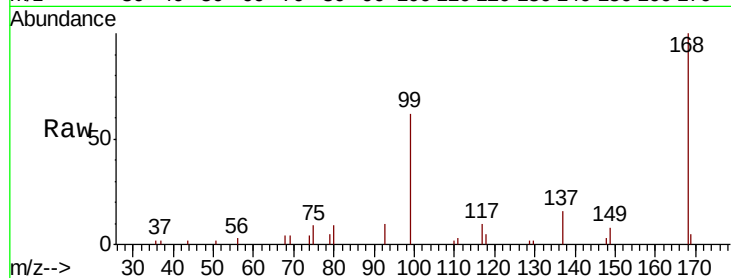




#36
 1,1-Dichloropropene
 Concen: 4.297 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD062852.D
 Acq: 24 Jun 2019 20:37

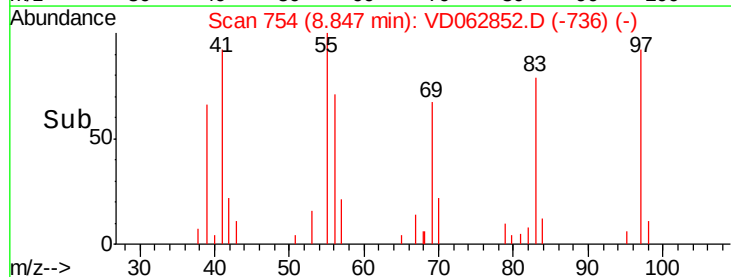
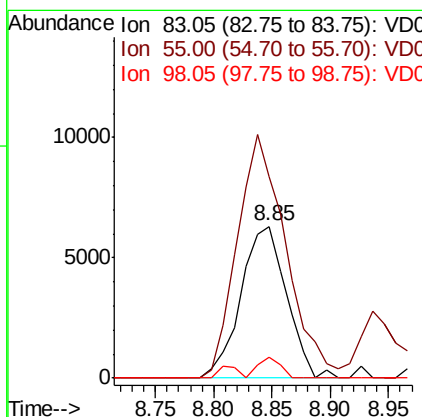
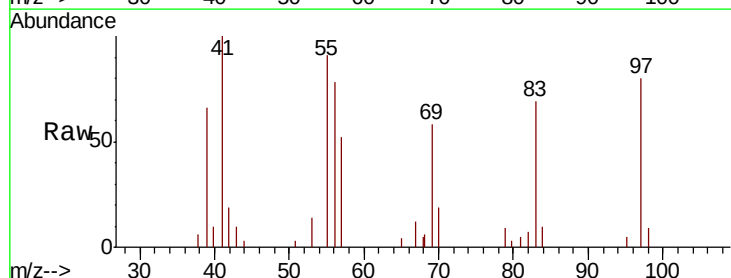
Instrument :
 MSVOA_D
 ClientSampled :
 TP-3

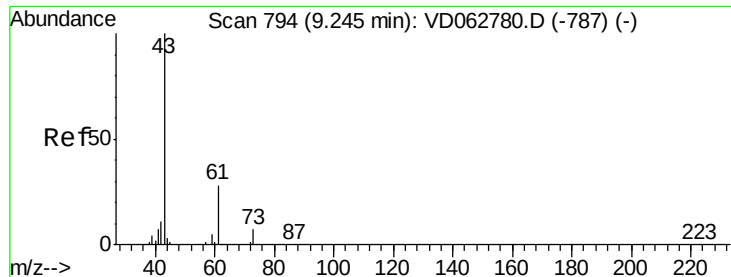
Tot Ion: 75 Resp: 3406
 Ion Ratio Lower Upper
 75 100
 110 23.5 15.0 45.1
 77 0.0 22.2 33.2#



#39
 Methylcyclohexane
 Concen: 24.563 ug/l
 RT: 8.85 min Scan# 754
 Delta R.T. -0.02 min
 Lab File: VD062852.D
 Acq: 24 Jun 2019 20:37

Tgt Ion: 83 Resp: 17139
 Ion Ratio Lower Upper
 83 100
 55 132.6 76.6 115.0#
 98 13.6 35.7 53.5#





#43

Isopropyl Acetate

Concen: 52.442 ug/l

RT: 9.29 min Scan# 799

Delta R.T. 0.05 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

TP-3

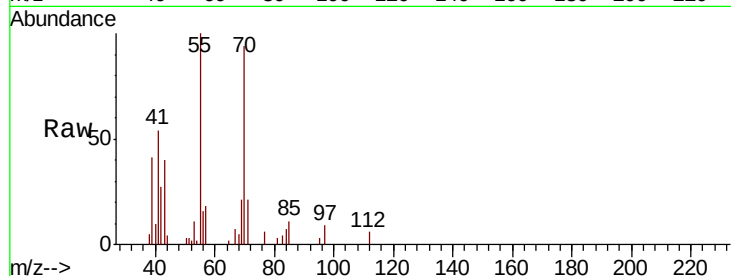
Tot Ion: 43 Resp: 21794

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

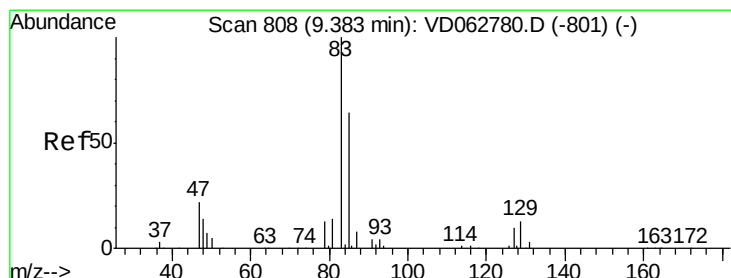
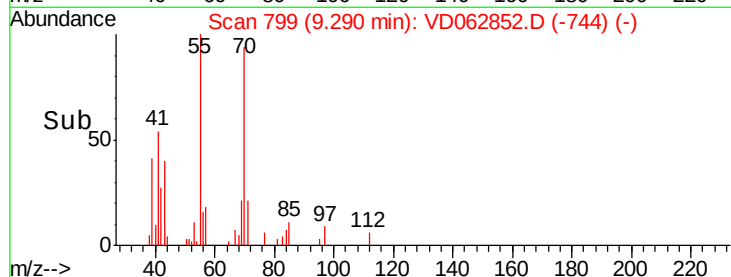
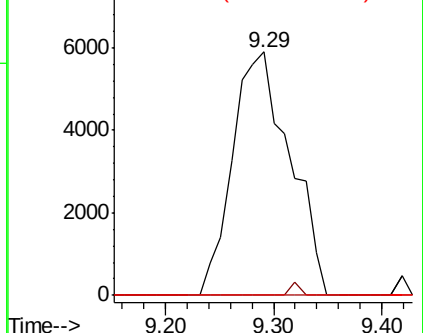
87 0.0 0.3 0.5#



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



#47

Bromodichloromethane

Concen: 4.156 ug/l

RT: 9.32 min Scan# 802

Delta R.T. -0.06 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

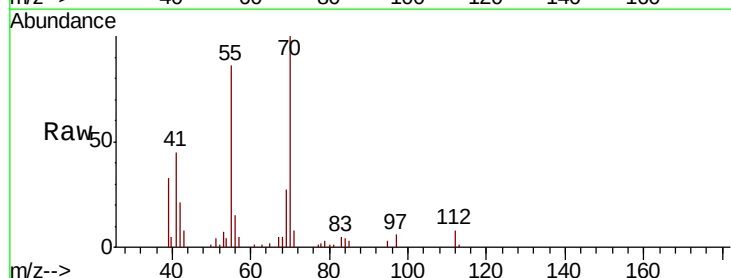
Tgt Ion: 83 Resp: 3668

Ion Ratio Lower Upper

83 100

85 56.8 51.6 77.4

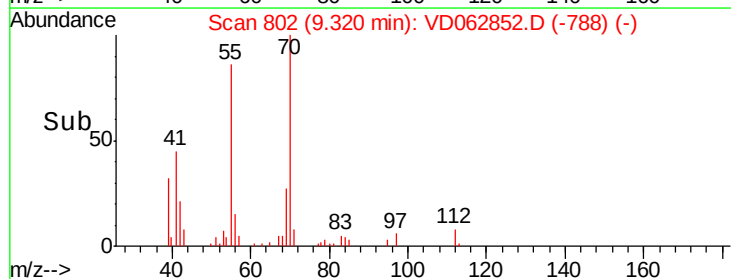
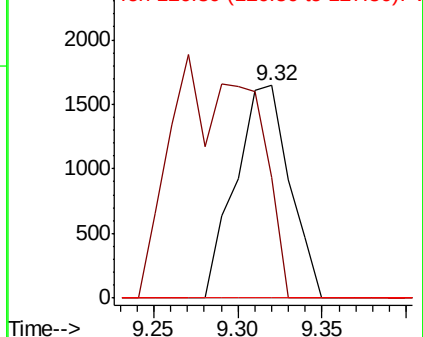
127 0.0 7.8 11.6#

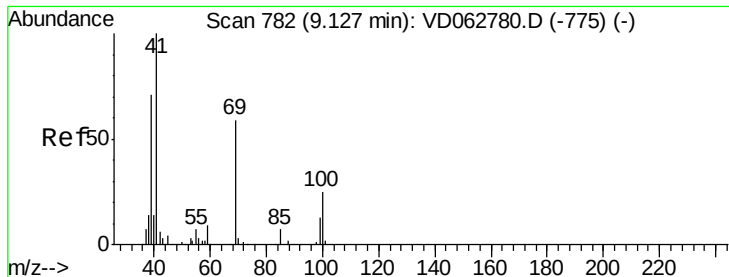


Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 7.626 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.03 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampled :

TP-3

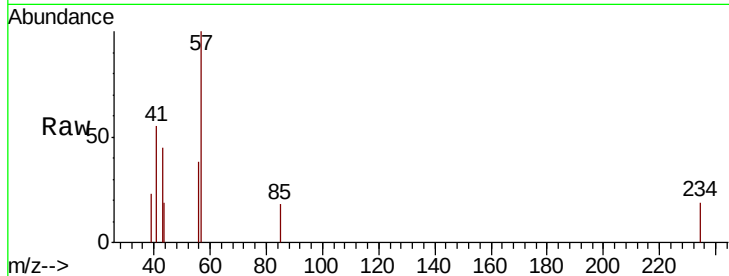
Tot Ion: 41 Resp: 2252

Ion Ratio Lower Upper

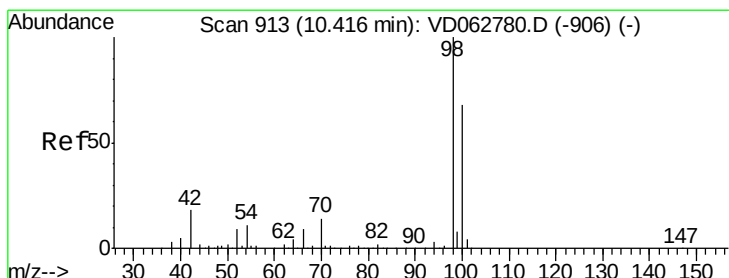
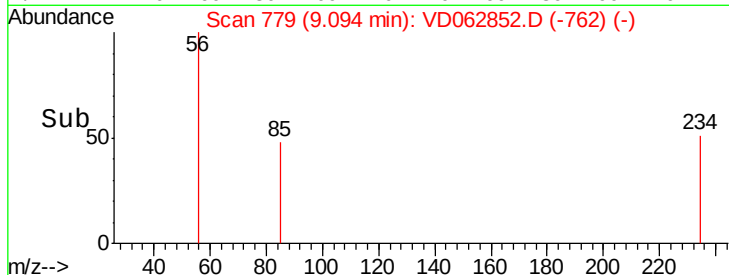
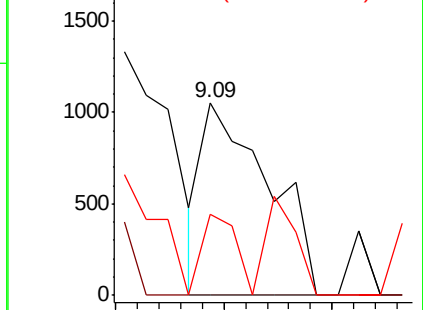
41 100

69 0.0 47.2 70.8#

39 41.8 57.4 86.2#



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



#50

Toluene-d8

Concen: 62.239 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD062852.D

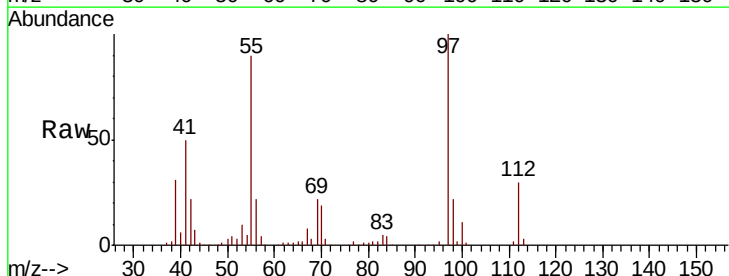
Acq: 24 Jun 2019 20:37

Tgt Ion: 98 Resp: 95645

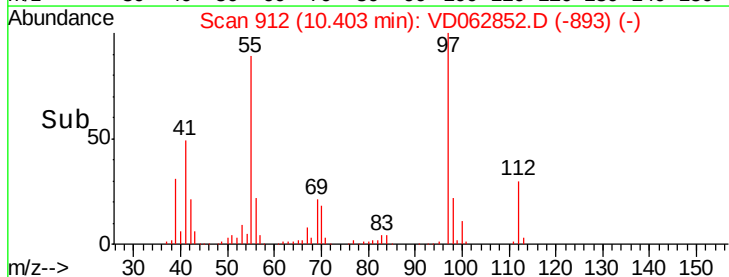
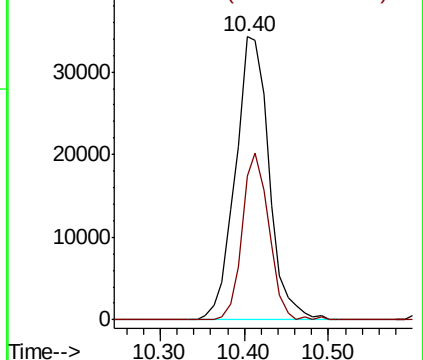
Ion Ratio Lower Upper

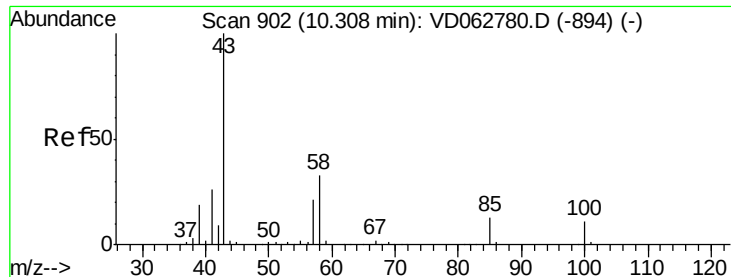
98 100

100 50.7 54.7 82.1#



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: 116.038 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.08 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleID :

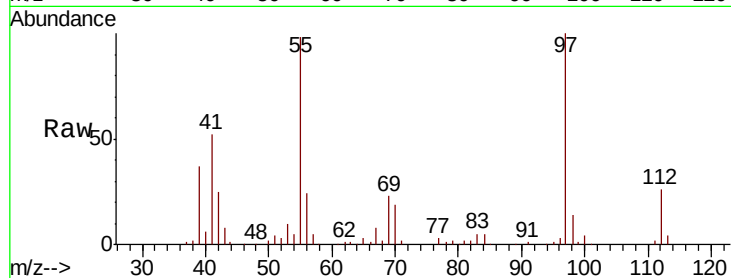
TP-3

Tot Ion: 43 Resp: 34190

Ion Ratio Lower Upper

43 100

58 2.5 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.39

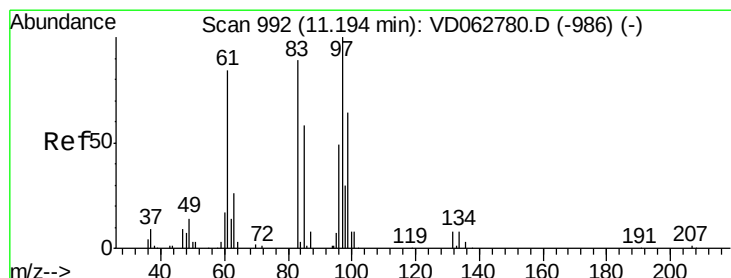
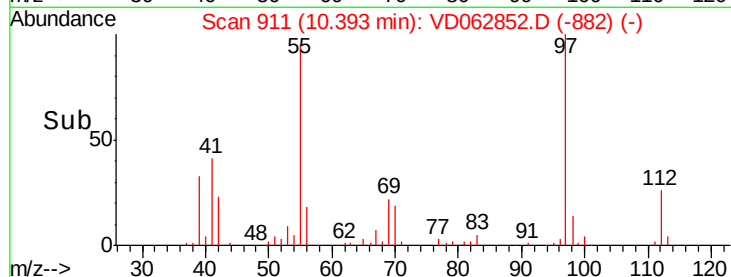
15000

10000

5000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 28.620 ug/l

RT: 11.25 min Scan# 998

Delta R.T. 0.06 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Tgt Ion: 97 Resp: 10517

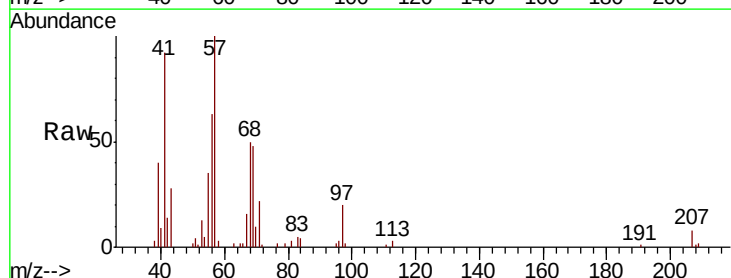
Ion Ratio Lower Upper

97 100

83 25.2 71.0 106.4#

85 0.0 46.6 69.8#

99 0.0 51.4 77.0#



Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

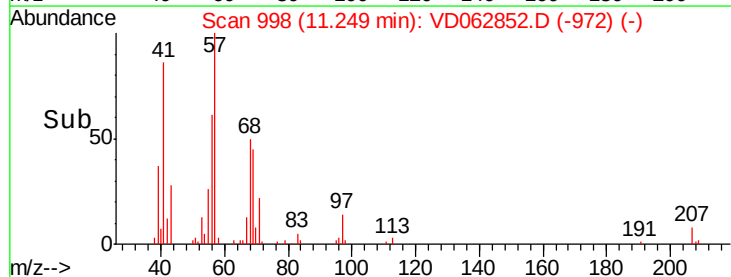
60000

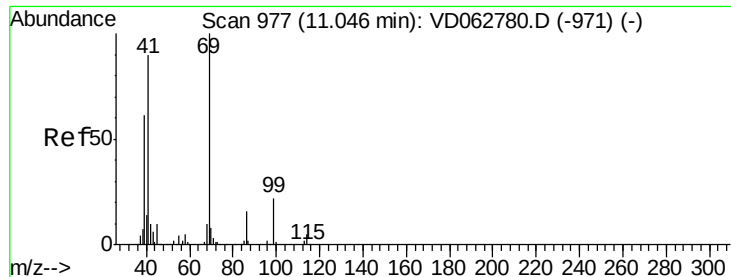
40000

20000

0

Time-->





#56

Ethyl methacrylate

Concen: 86.565 ug/l

RT: 11.10 min Scan# 983

Delta R.T. 0.06 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

TP-3

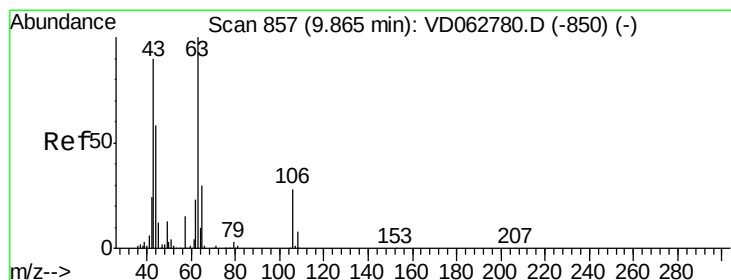
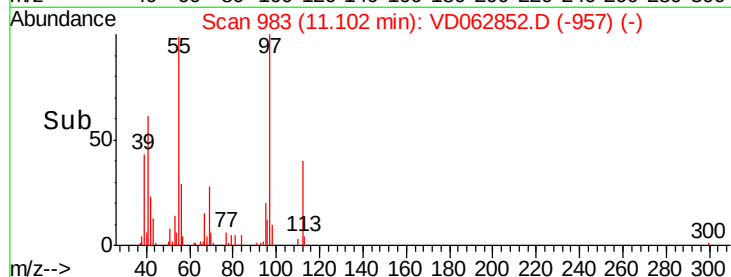
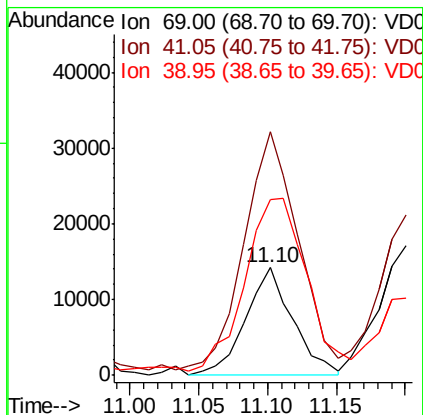
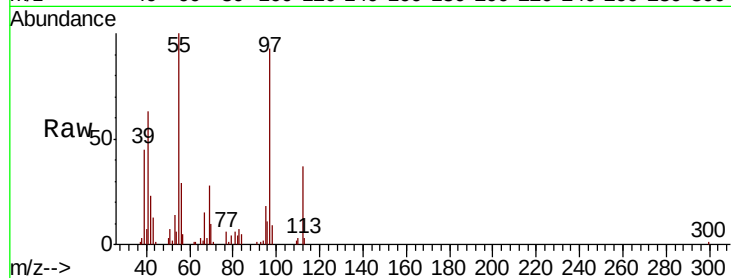
Tot Ion: 69 Resp: 33995

Ion Ratio Lower Upper

69 100

41 226.7 72.0 108.0#

39 163.3 49.5 74.3#



#58

2-Chloroethyl Vinyl ether

Concen: 2.078 ug/l

RT: 9.79 min Scan# 850

Delta R.T. -0.07 min

Lab File: VD062852.D

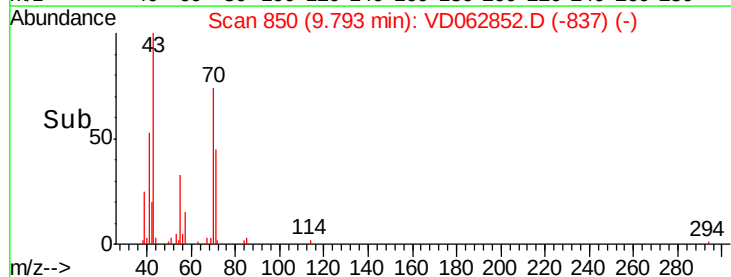
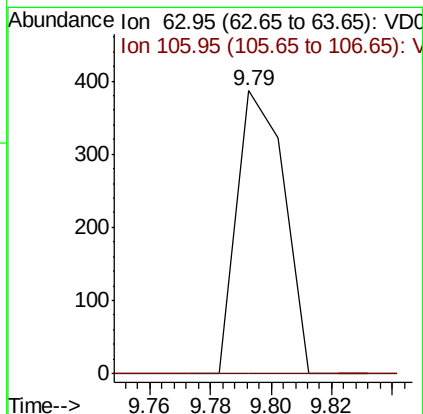
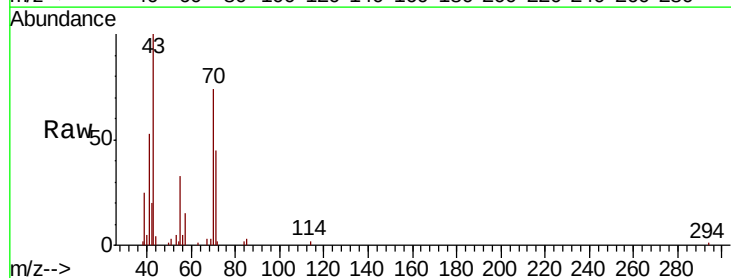
Acq: 24 Jun 2019 20:37

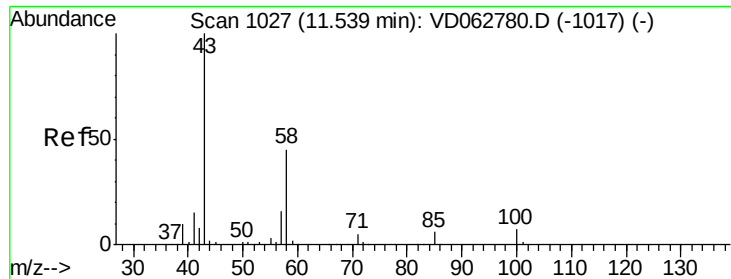
Tgt Ion: 63 Resp: 419

Ion Ratio Lower Upper

63 100

106 0.0 22.1 33.1#





#59

2-Hexanone

Concen: 3282.033 ug/l

RT: 11.50 min Scan# 1023

Delta R.T. -0.04 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampled :

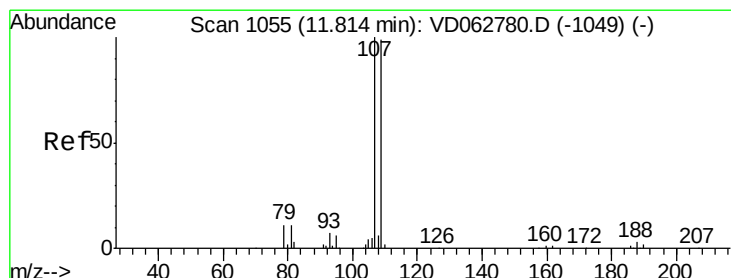
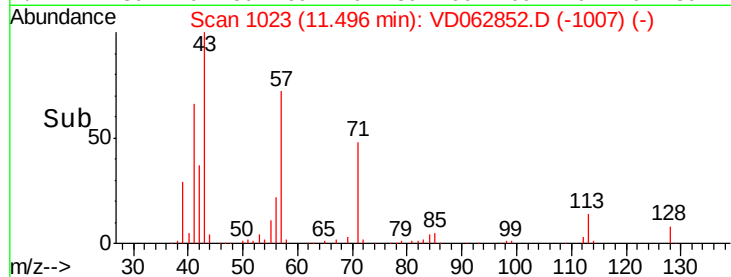
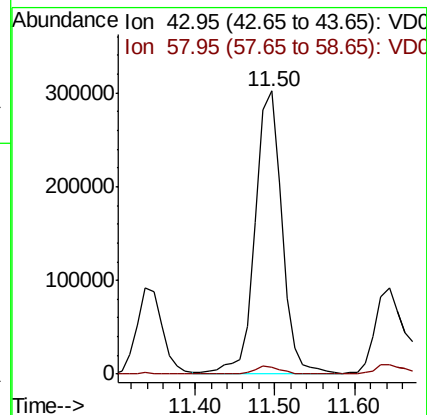
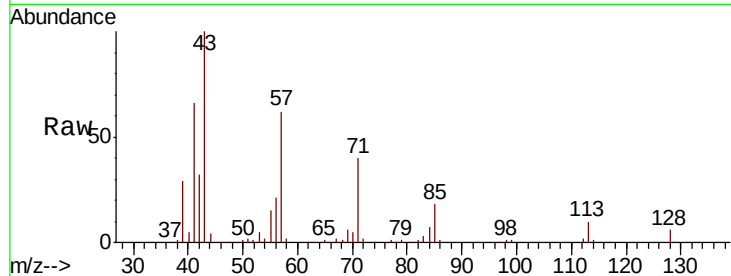
TP-3

Tot Ion: 43 Resp: 688709

Ion Ratio Lower Upper

43 100

58 2.2 22.4 67.2#



#61

1,2-Dibromoethane

Concen: 2.085 ug/l

RT: 11.85 min Scan# 1059

Delta R.T. 0.04 min

Lab File: VD062852.D

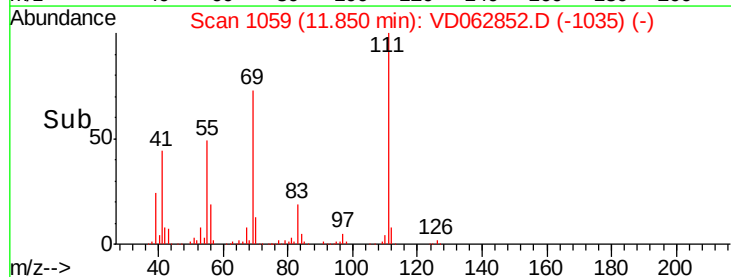
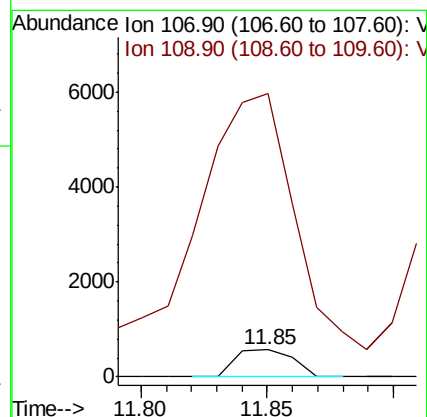
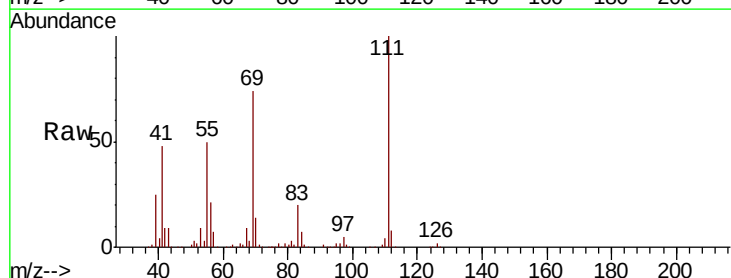
Acq: 24 Jun 2019 20:37

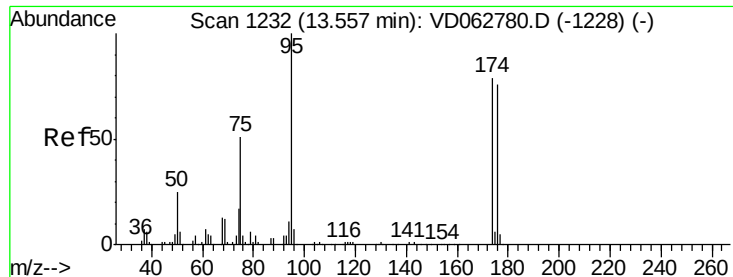
Tgt Ion:107 Resp: 905

Ion Ratio Lower Upper

107 100

109 1055.8 79.3 118.9#





#62

4-Bromofluorobenzene

Concen: 181.793 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampled :

TP-3

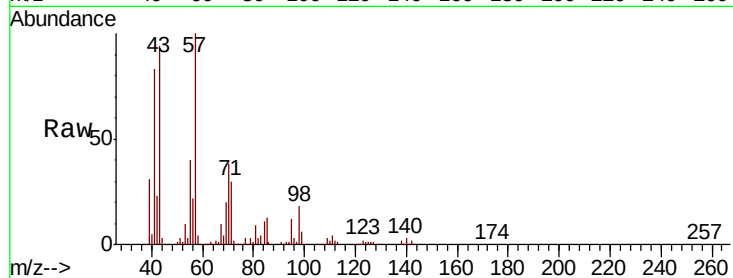
Tot Ion: 95 Resp: 127030

Ion Ratio Lower Upper

95 100

174 2.8 0.0 158.0

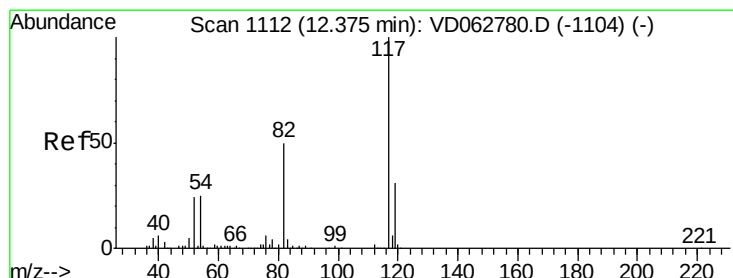
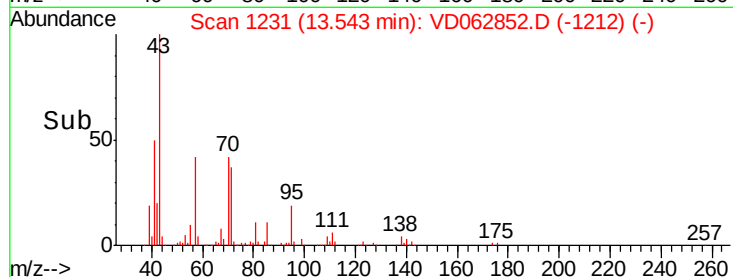
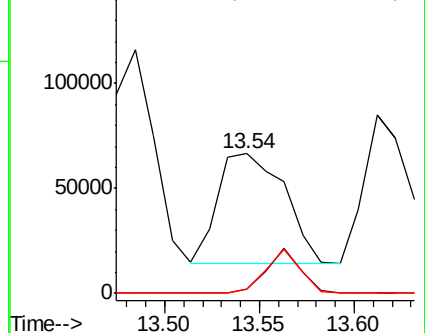
176 2.6 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

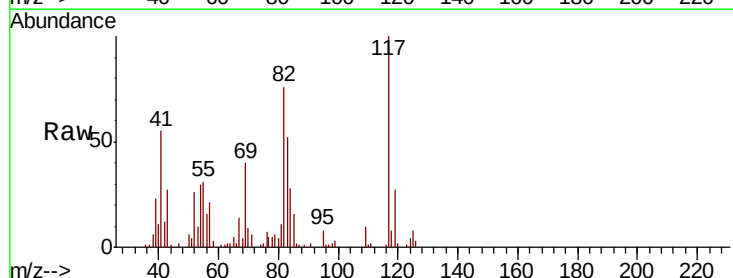
Tgt Ion: 117 Resp: 64902

Ion Ratio Lower Upper

117 100

82 75.8 40.4 60.6#

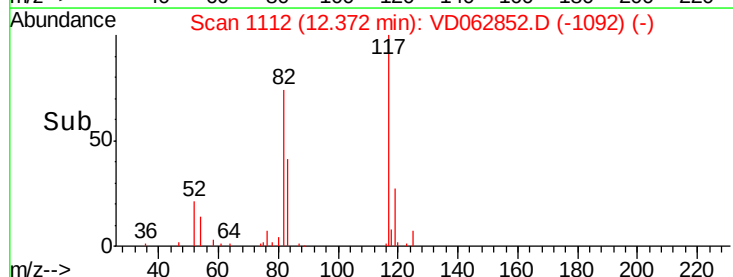
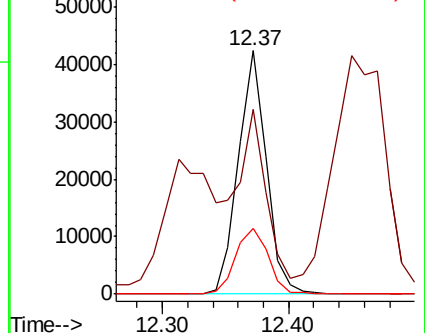
119 26.7 25.2 37.8

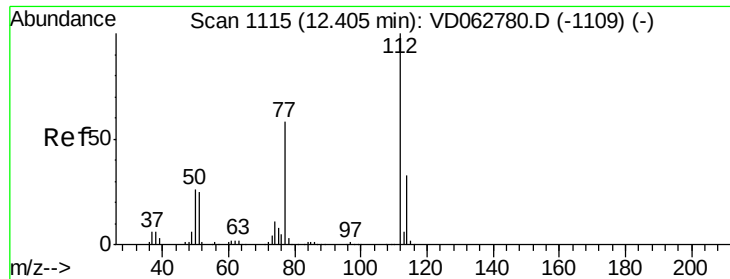


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#65

Chlorobenzene

Concen: 1.317 ug/l

RT: 12.45 min Scan# 1120

Delta R.T. 0.05 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampled :

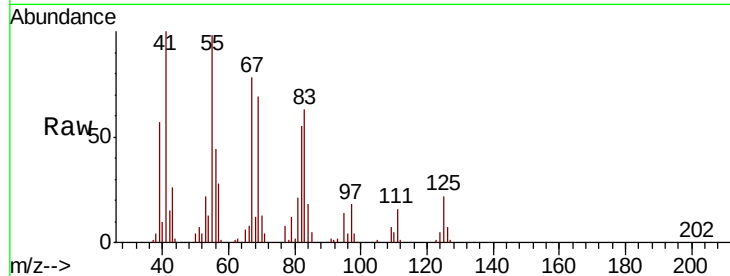
TP-3

Tot Ion:112 Resp: 1586

Ion Ratio Lower Upper

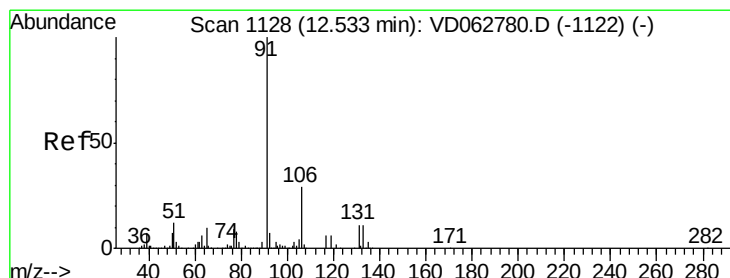
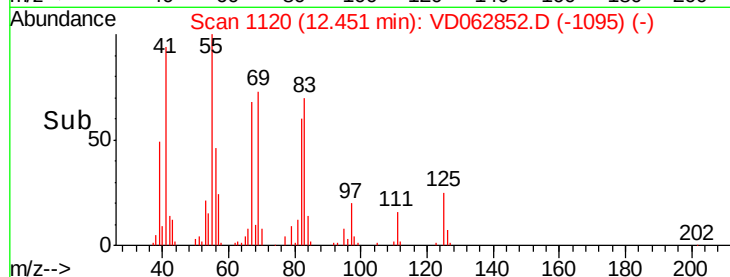
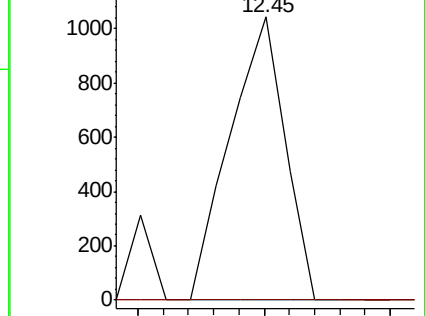
112 100

114 0.0 26.3 39.5#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#67

Ethyl Benzene

Concen: 3.508 ug/l

RT: 12.55 min Scan# 1130

Delta R.T. 0.02 min

Lab File: VD062852.D

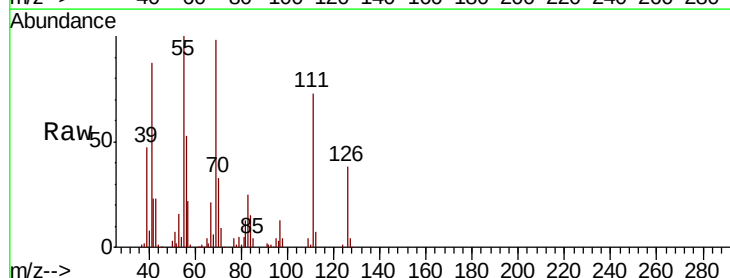
Acq: 24 Jun 2019 20:37

Tgt Ion: 91 Resp: 7587

Ion Ratio Lower Upper

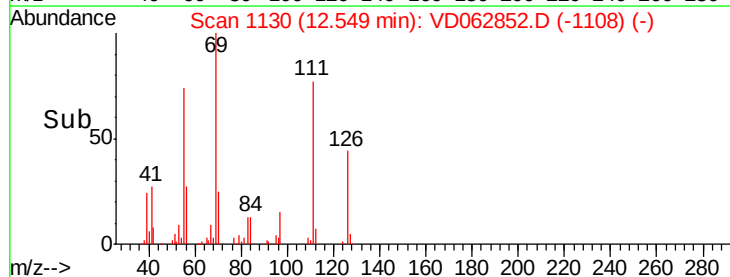
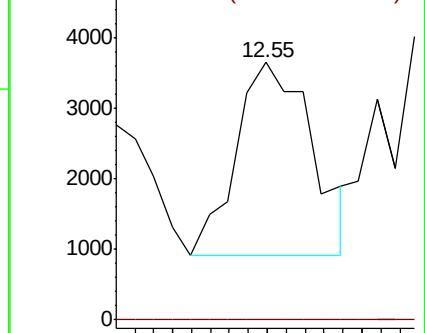
91 100

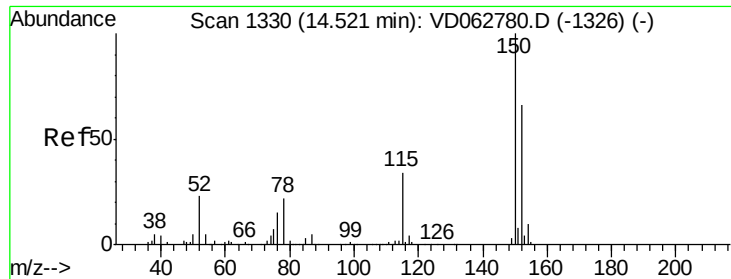
106 0.0 23.1 34.7#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

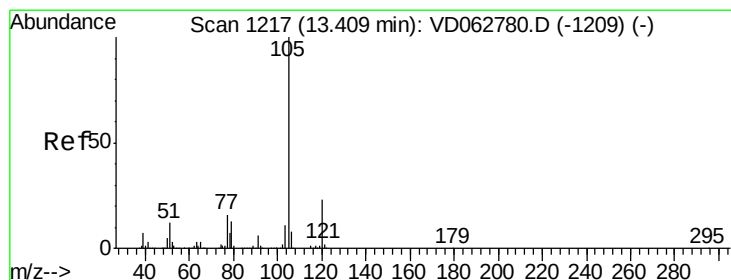
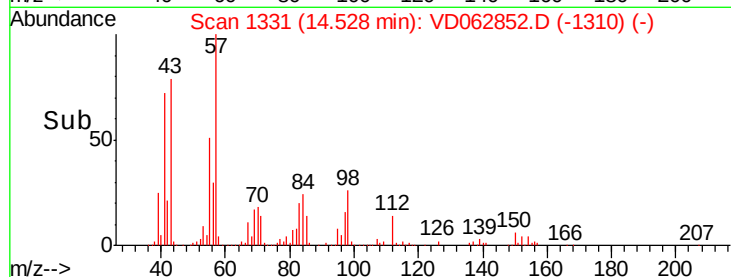
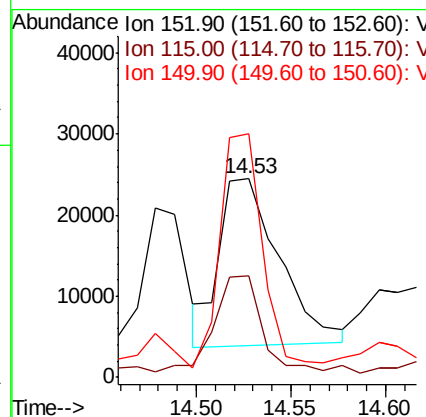
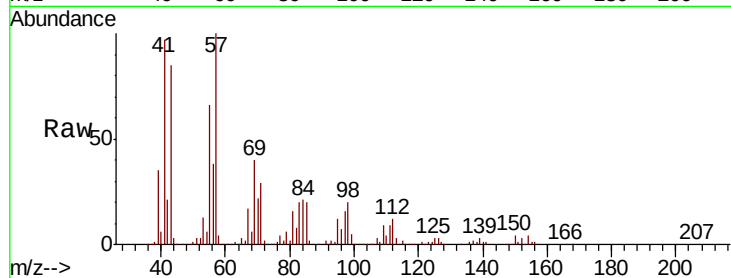




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VD062852.D
 Acq: 24 Jun 2019 20:37

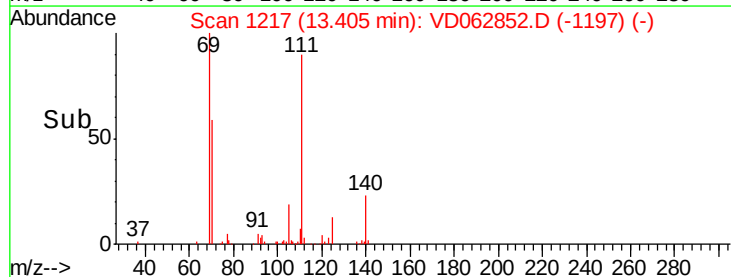
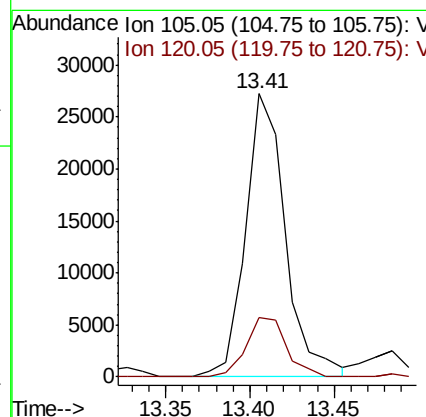
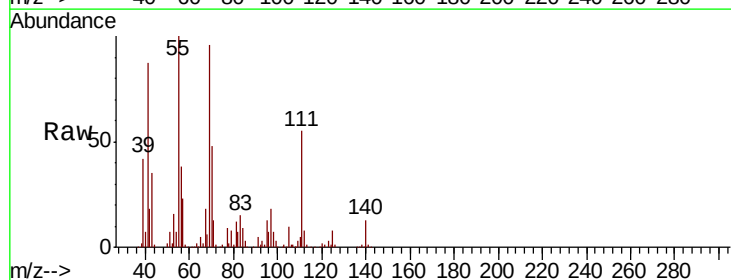
Instrument :
 MSVOA_D
 ClientSampled :
 TP-3

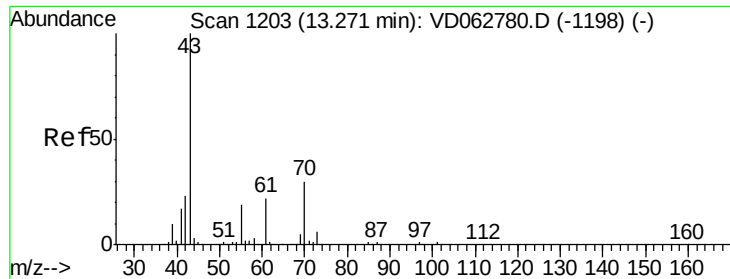
Tot Ion:152 Resp: 45449
 Ion Ratio Lower Upper
 152 100
 115 51.1 29.2 87.6
 150 122.7 0.0 305.8



#73
 Isopropylbenzene
 Concen: 15.308 ug/l
 RT: 13.41 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD062852.D
 Acq: 24 Jun 2019 20:37

Tgt Ion:105 Resp: 44610
 Ion Ratio Lower Upper
 105 100
 120 20.9 11.6 34.7





#74

N-amvl acetate

Concen: 2366.445 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.04 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

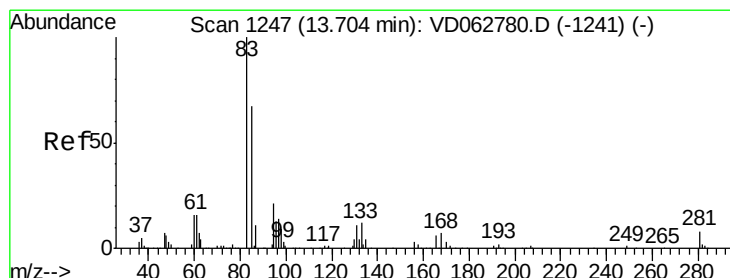
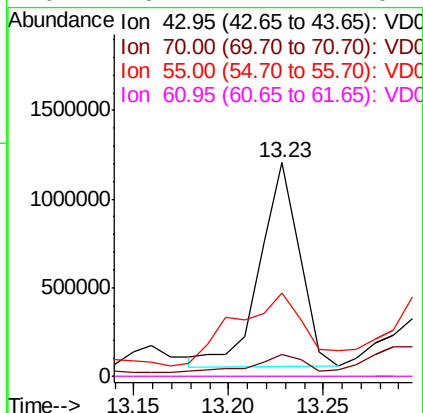
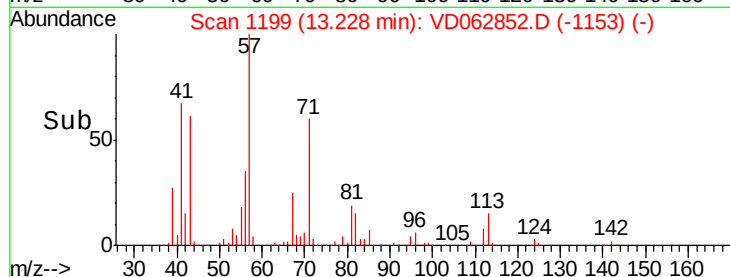
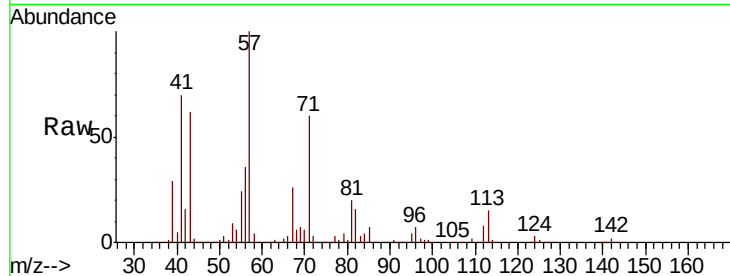
MSVOA_D

ClientSampleId :

TP-3

Tot Ion: 43 Resp: 1674694

Ion	Ratio	Lower	Upper
43	100		
70	10.3	24.4	36.6#
55	39.2	15.2	22.8#
61	0.1	17.4	26.2#



#75

1,1,2,2-Tetrachloroethane

Concen: 1054.466 ug/l

RT: 13.72 min Scan# 1249

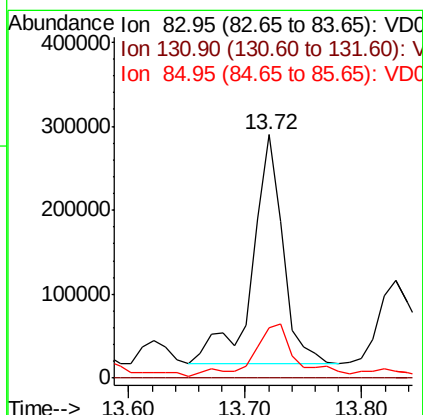
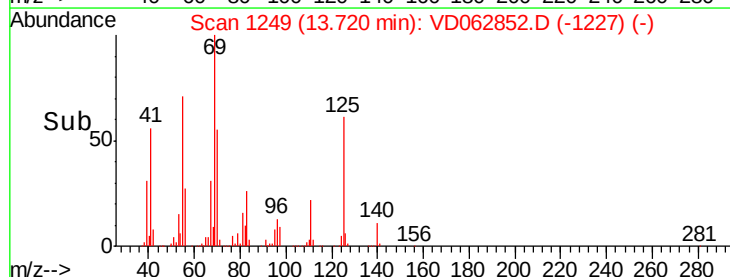
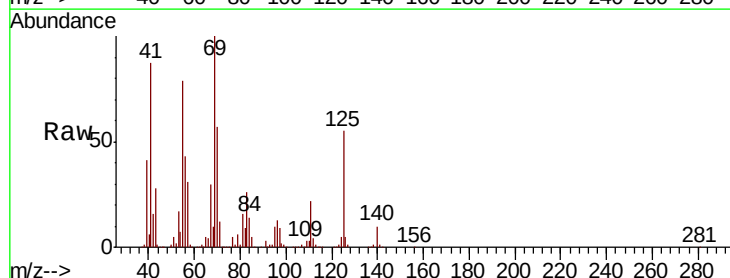
Delta R.T. 0.02 min

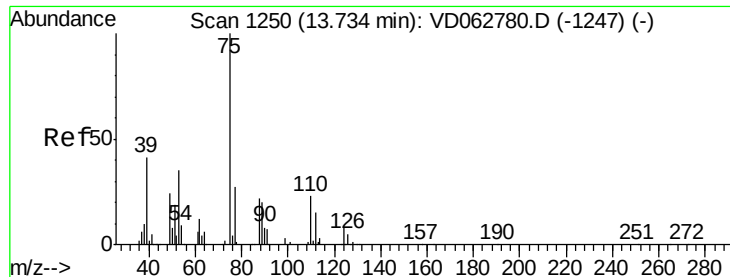
Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Tgt Ion: 83 Resp: 500666

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	16.1#
85	20.7	33.7	101.1#





#76

1,2,3-Trichloropropane

Concen: 4.603 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampled :

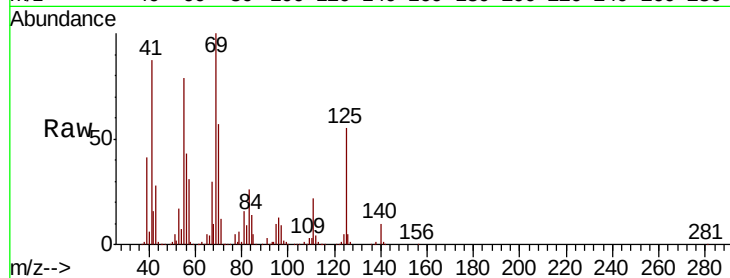
TP-3

Tot Ion: 75 Resp: 2415

Ion Ratio Lower Upper

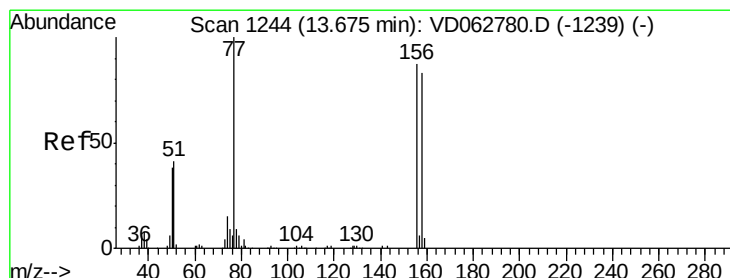
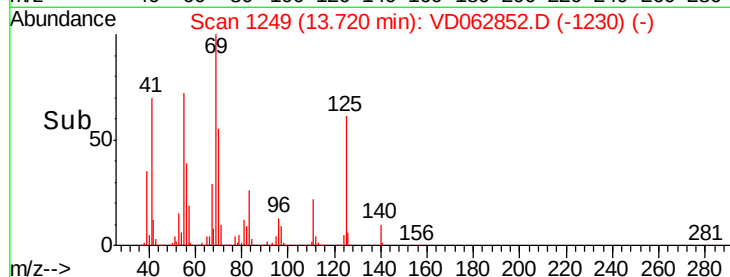
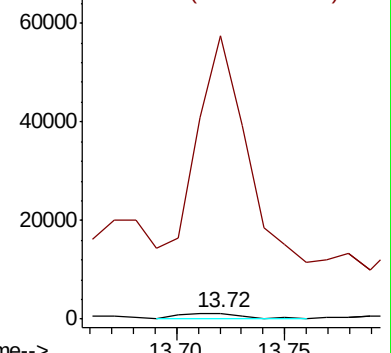
75 100

77 4704.3 15.0 45.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#77

Bromobenzene

Concen: 3.067 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.06 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

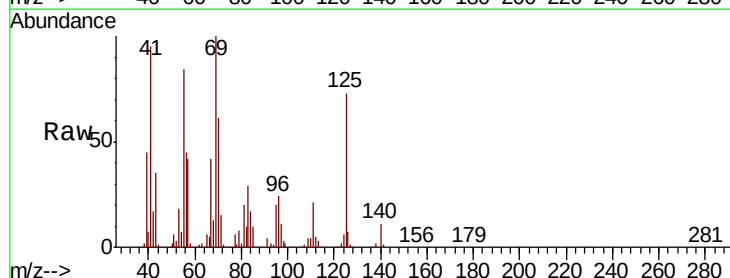
Tgt Ion: 156 Resp: 2404

Ion Ratio Lower Upper

156 100

77 1997.6 57.7 173.1#

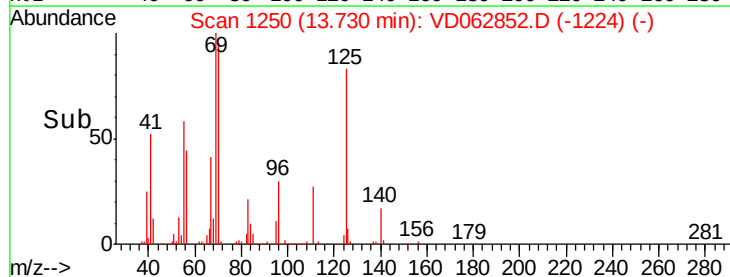
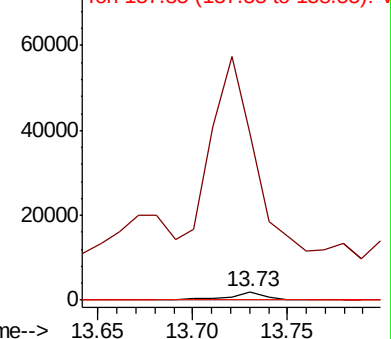
158 0.0 47.7 143.1#

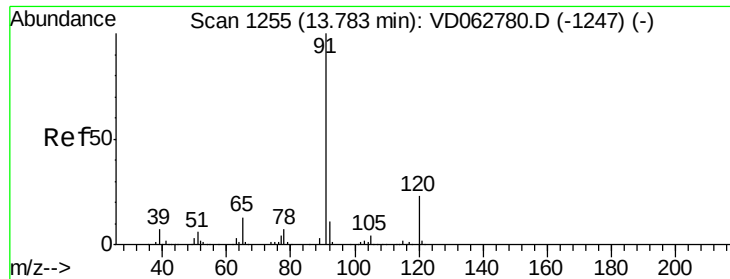


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#78

n-propylbenzene

Concen: 21.379 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampled :

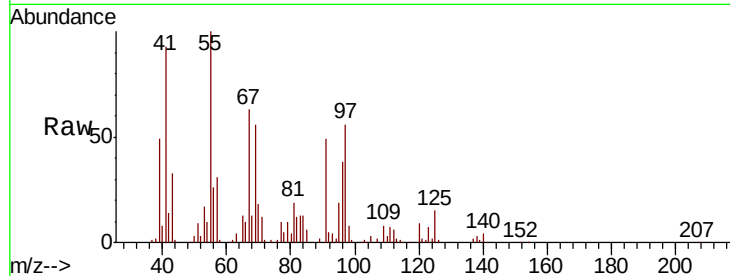
TP-3

Tot Ion: 91 Resp: 72513

Ion Ratio Lower Upper

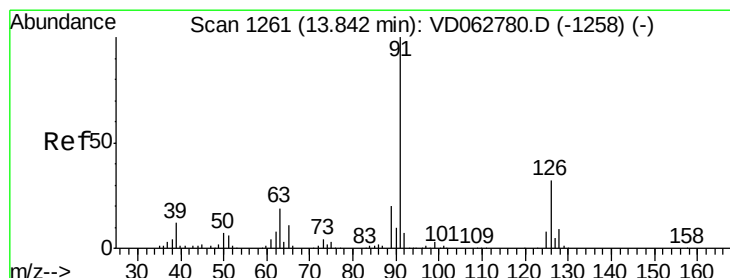
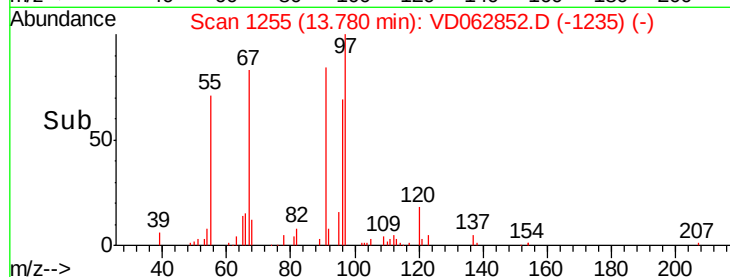
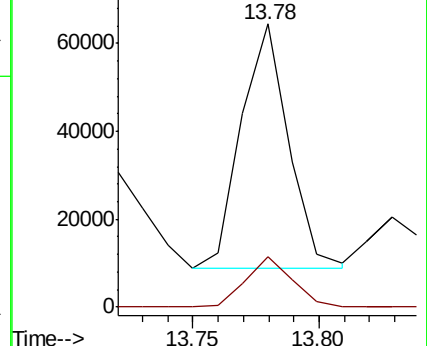
91 100

120 17.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC



#79

2-Chlorotoluene

Concen: 15.106 ug/l

RT: 13.90 min Scan# 1267

Delta R.T. 0.06 min

Lab File: VD062852.D

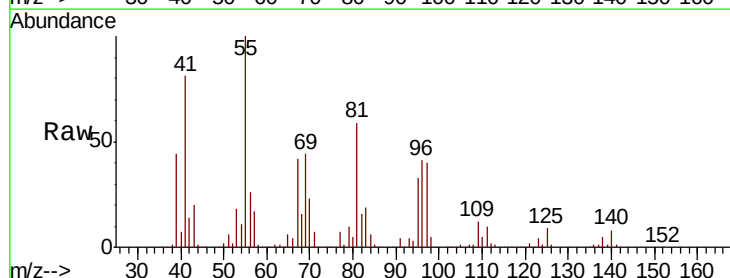
Acq: 24 Jun 2019 20:37

Tgt Ion: 91 Resp: 29281

Ion Ratio Lower Upper

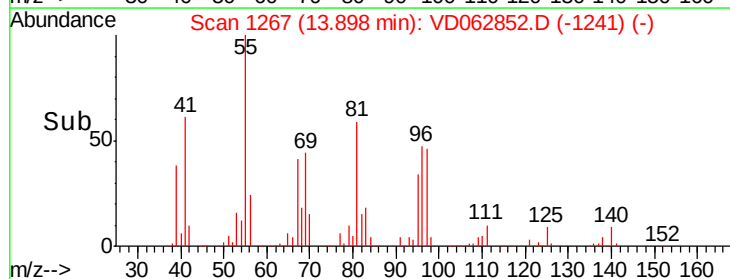
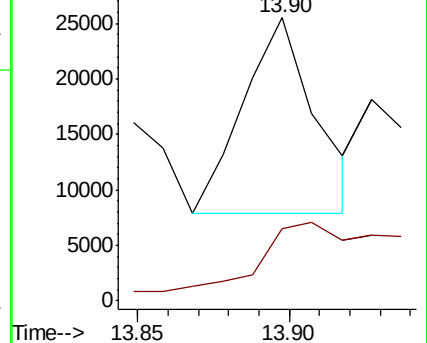
91 100

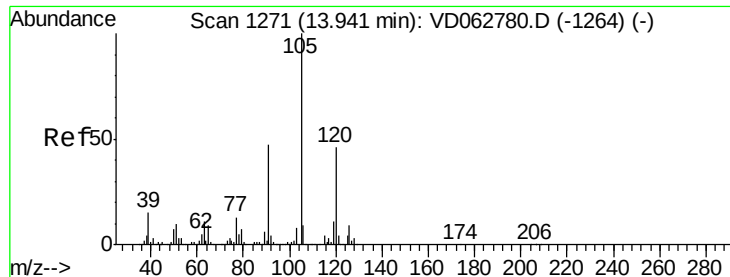
126 25.5 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): VDC





#80

1,3,5-Trimethylbenzene

Concen: 2.110 ug/l

RT: 13.97 min Scan# 1274

Delta R.T. 0.03 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

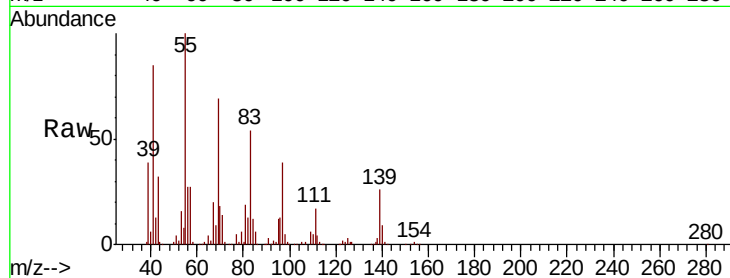
TP-3

Tot Ion:105 Resp: 5164

Ion Ratio Lower Upper

105 100

120 0.0 23.1 69.2#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

5000

4000

3000

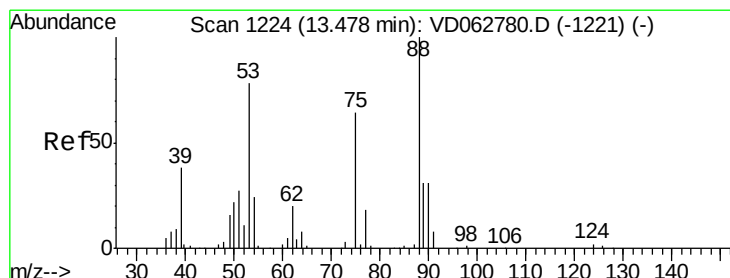
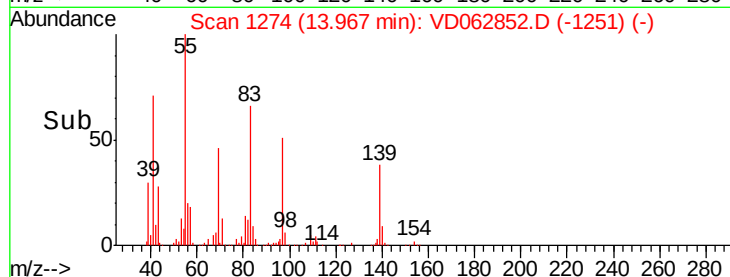
2000

1000

0

13.90 13.95 14.00

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 17.751 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

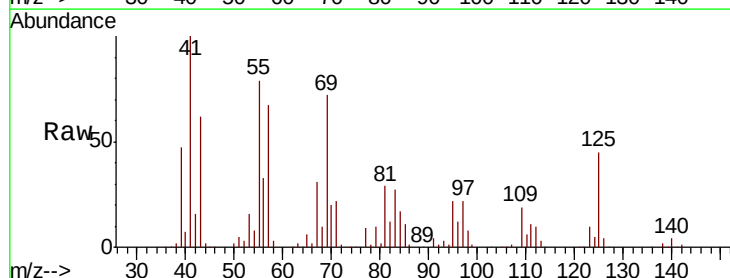
Tgt Ion: 75 Resp: 2441

Ion Ratio Lower Upper

75 100

53 7274.0 97.8 146.8#

89 77.4 39.4 59.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

100000

80000

60000

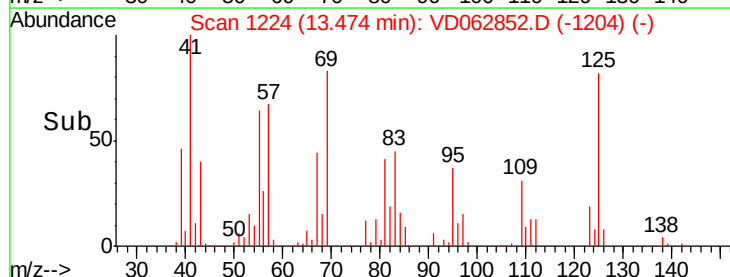
40000

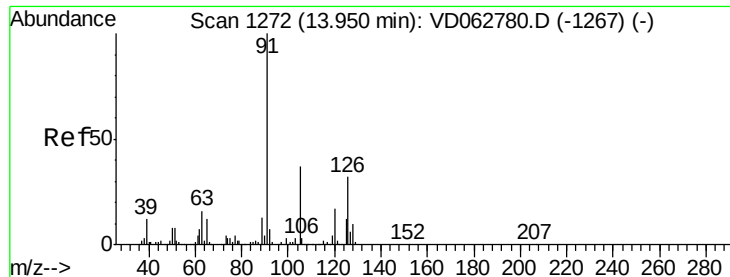
20000

0

13.40 13.45 13.50

Time-->





#82

4-Chlorotoluene

Concen: 8.088 ug/l

RT: 13.97 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampled :

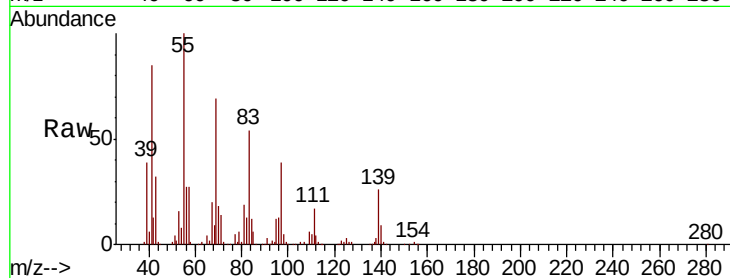
TP-3

Tot Ion: 91 Resp: 18874

Ion Ratio Lower Upper

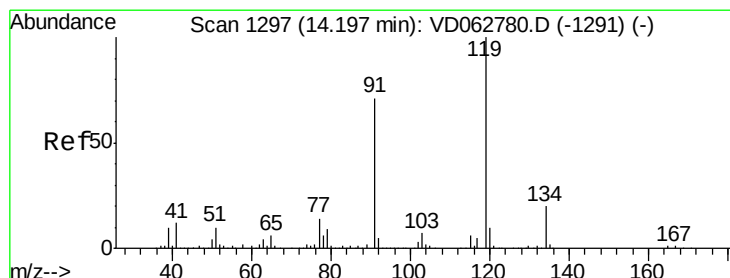
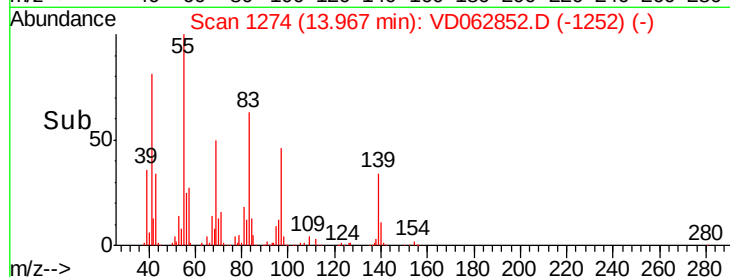
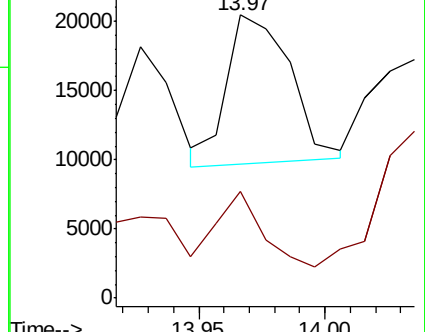
91 100

126 37.8 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#83

tert-Butylbenzene

Concen: 16.136 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

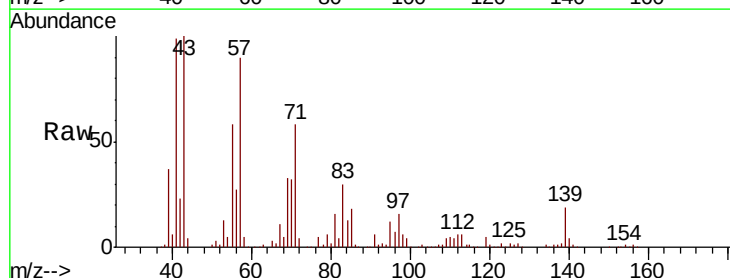
Tgt Ion: 119 Resp: 44024

Ion Ratio Lower Upper

119 100

91 108.4 35.5 106.5#

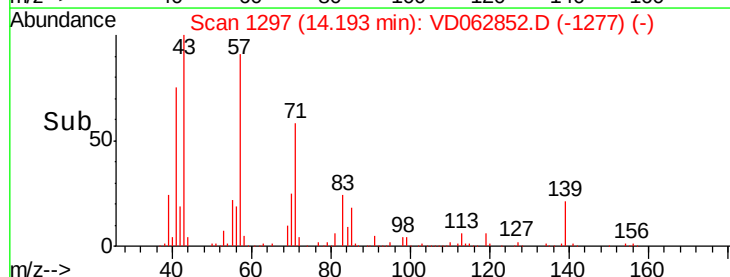
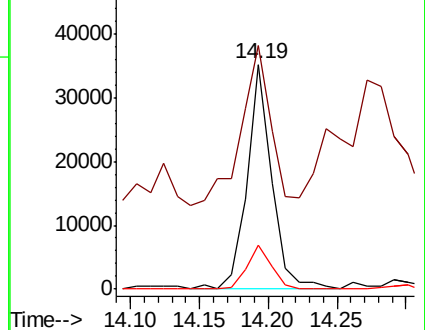
134 19.6 10.2 30.6

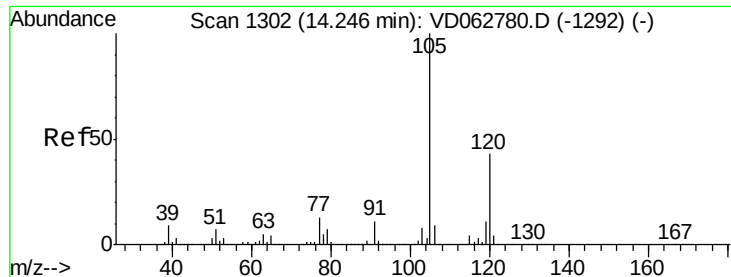


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

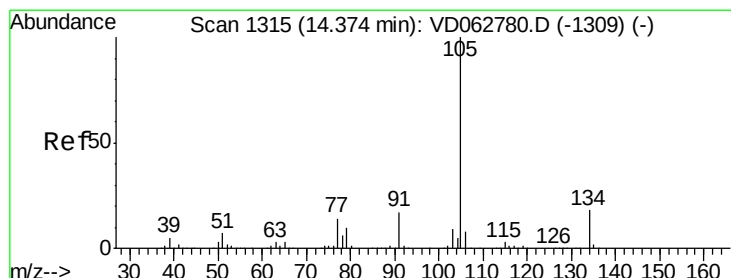
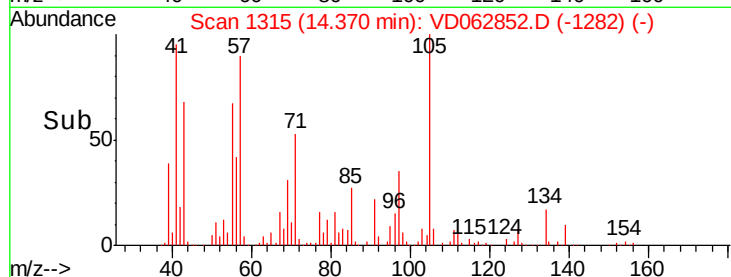
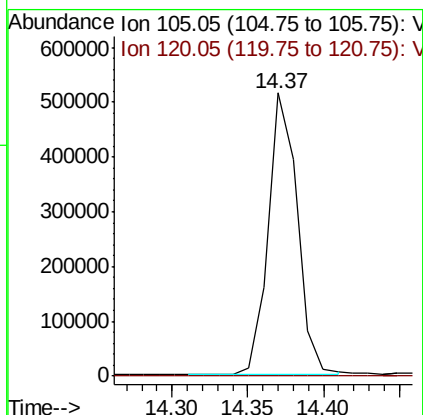
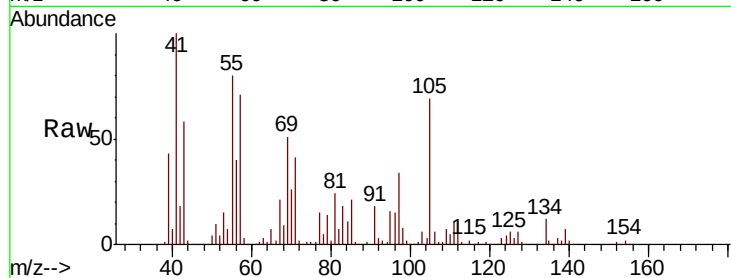




#84
 1,2,4-Trimethylbenzene
 Concen: 277.179 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.12 min
 Lab File: VD062852.D
 Acq: 24 Jun 2019 20:37

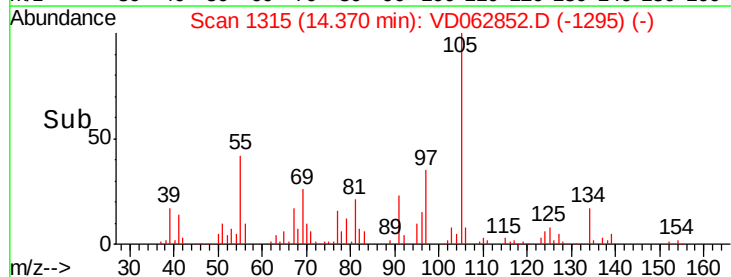
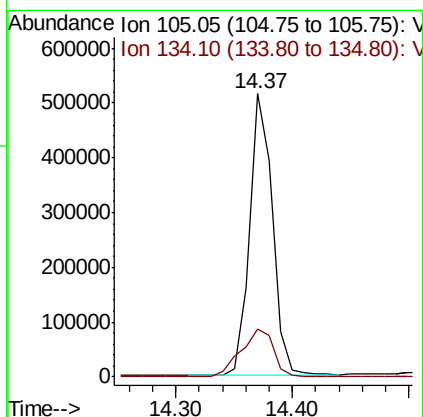
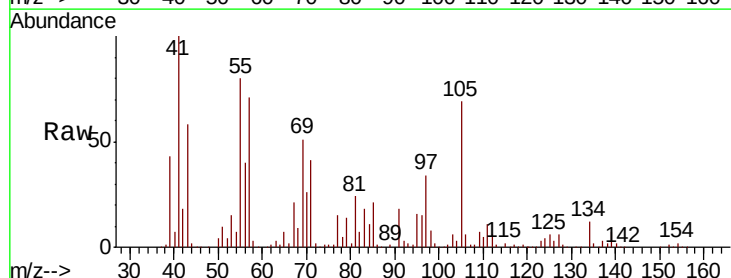
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

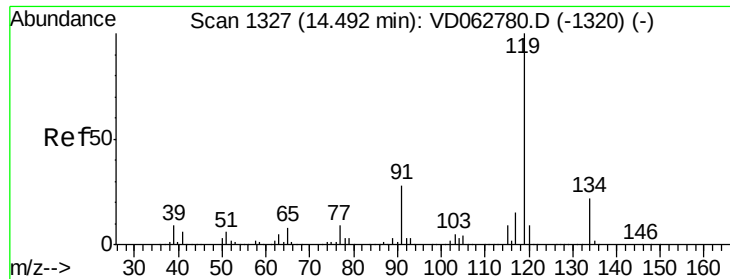
Tot Ion:105 Resp: 695394
 Ion Ratio Lower Upper
 105 100
 120 0.2 21.3 63.9#



#85
 sec-Butylbenzene
 Concen: 235.771 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062852.D
 Acq: 24 Jun 2019 20:37

Tgt Ion:105 Resp: 699149
 Ion Ratio Lower Upper
 105 100
 134 16.9 9.1 27.3

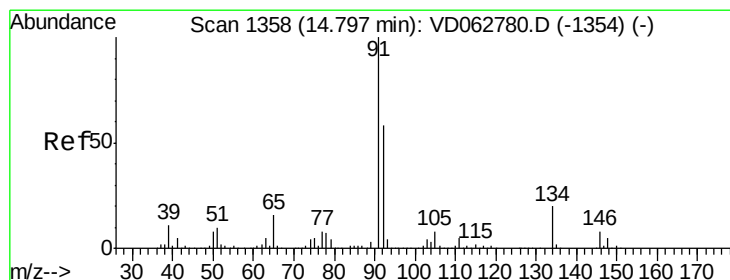
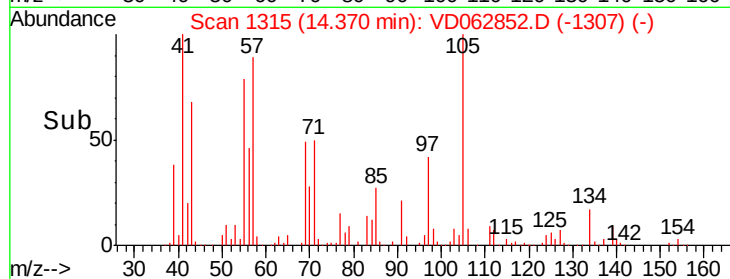
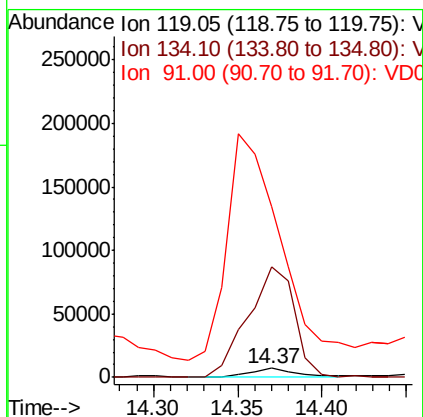
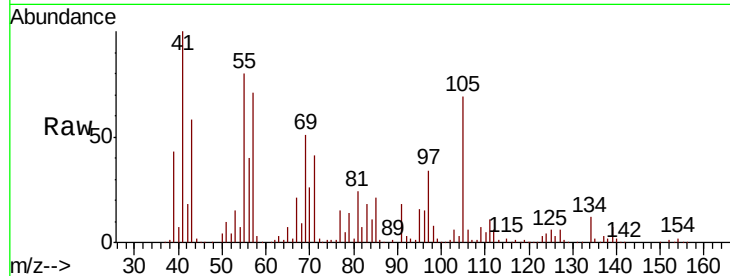




#86
p-Isopropyltoluene
Concen: 4.942 ug/l
RT: 14.37 min Scan# 1315
Delta R.T. -0.12 min
Lab File: VD062852.D
Acq: 24 Jun 2019 20:37

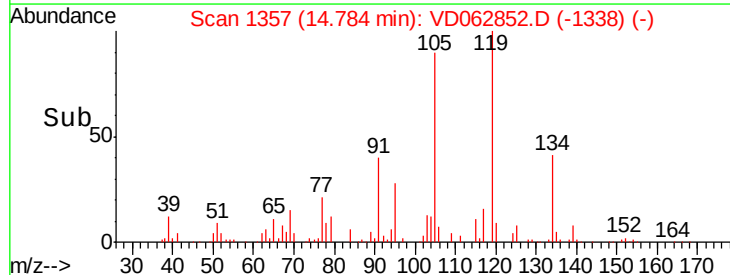
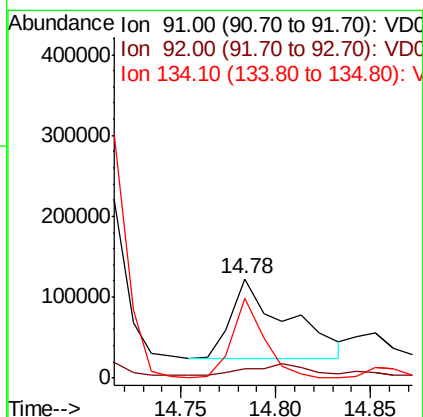
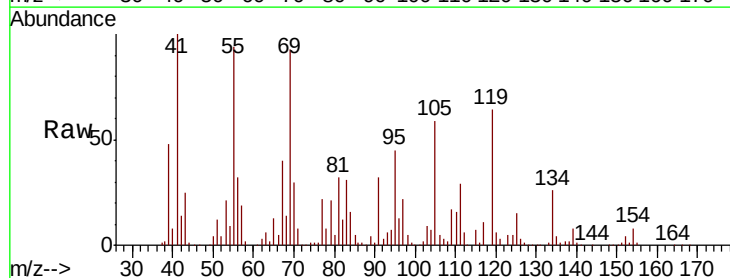
Instrument :
MSVOA_D
ClientSampled :
TP-3

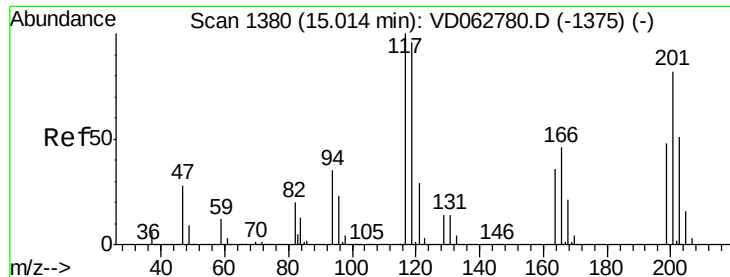
Tot Ion:119 Resp: 13406
Ion Ratio Lower Upper
119 100
134 1263.4 11.1 33.1#
91 1941.4 14.0 41.9#



#89
n-Butylbenzene
Concen: 78.514 ug/l
RT: 14.78 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD062852.D
Acq: 24 Jun 2019 20:37

Tgt Ion: 91 Resp: 199357
Ion Ratio Lower Upper
91 100
92 9.7 28.9 86.7#
134 80.0 10.1 30.3#





#90

Hexachloroethane

Concen: 382.600 ug/l

RT: 15.06 min Scan# 1385

Delta R.T. 0.05 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

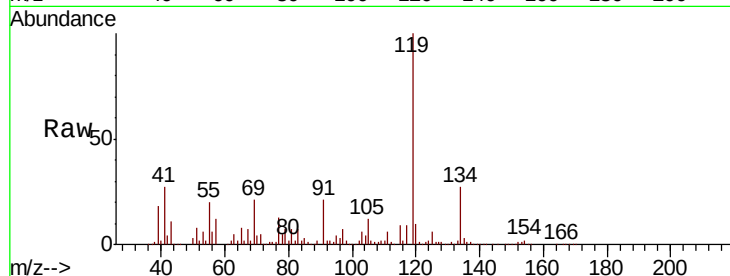
TP-3

Tot Ion:117 Resp: 279070

Ion Ratio Lower Upper

117 100

201 0.0 40.8 122.2#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

300000

250000

200000

150000

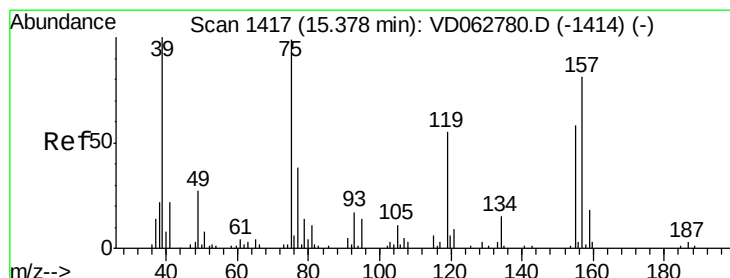
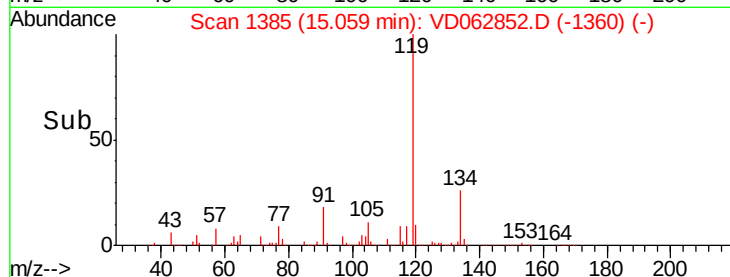
100000

50000

0

15.00 15.05 15.10

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 159.821 ug/l

RT: 15.34 min Scan# 1414

Delta R.T. -0.03 min

Lab File: VD062852.D

Acq: 24 Jun 2019 20:37

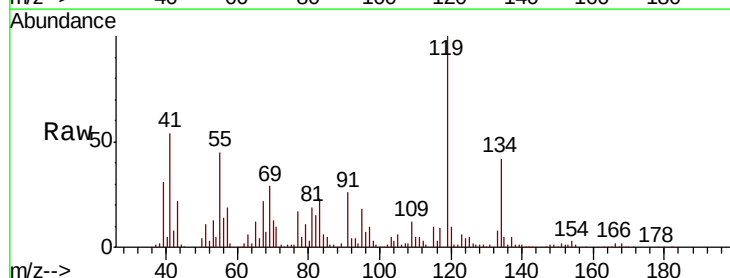
Tgt Ion: 75 Resp: 14811

Ion Ratio Lower Upper

75 100

155 52.3 29.3 87.8

157 0.0 41.3 123.7#



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

20000

15000

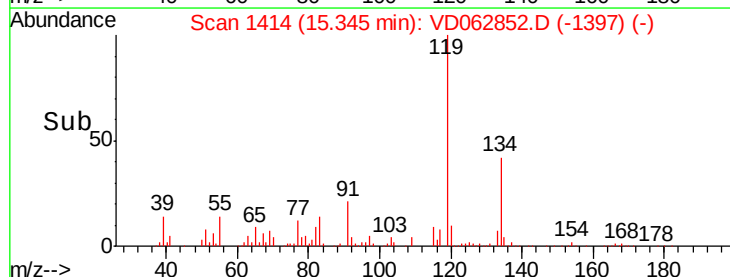
10000

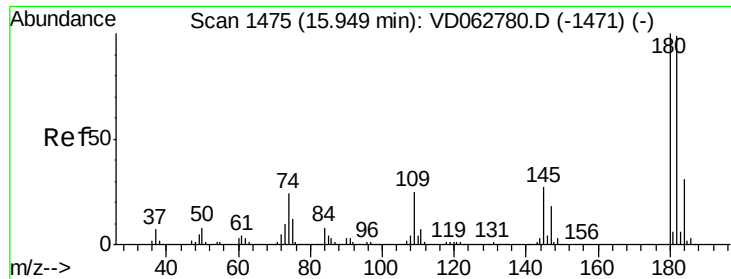
5000

0

15.25 15.30 15.35 15.40

Time-->

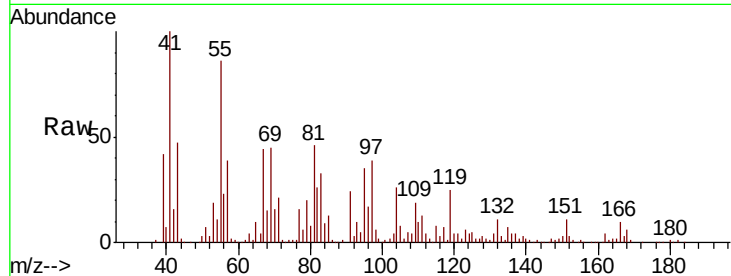




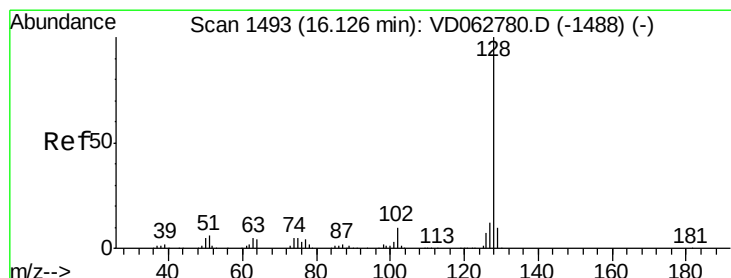
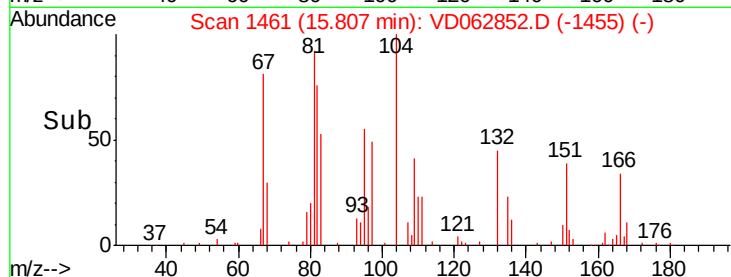
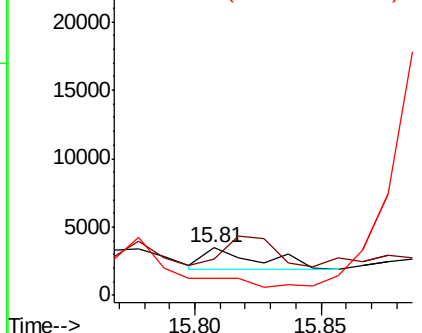
#93
 1,2,4-Trichlorobenzene
 Concen: 2.647 ug/l
 RT: 15.81 min Scan# 1461
 Delta R.T. -0.14 min
 Lab File: VD062852.D
 Acq: 24 Jun 2019 20:37

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Tot Ion:180 Resp: 2486
 Ion Ratio Lower Upper
 180 100
 182 74.8 49.5 148.5
 145 36.9 13.7 41.0

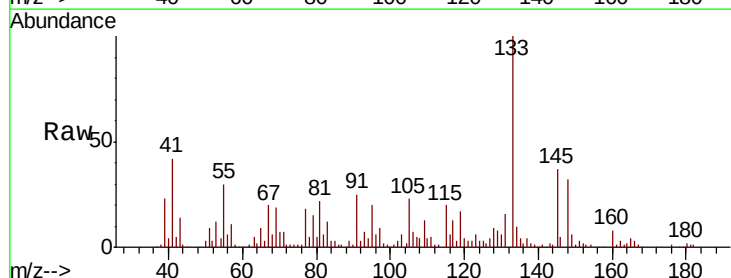


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

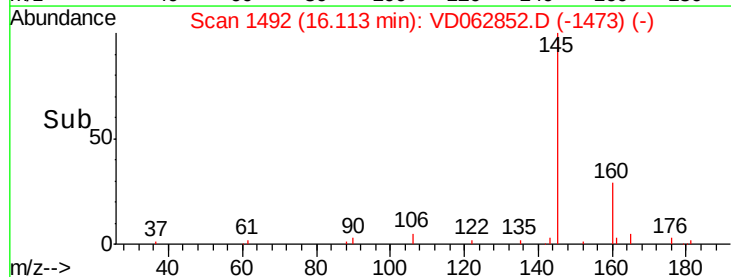
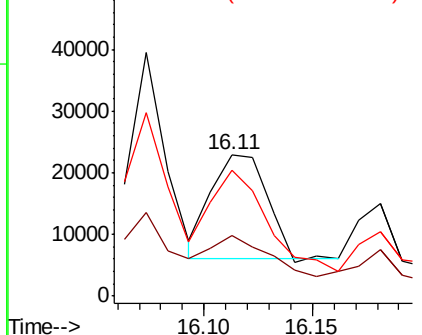


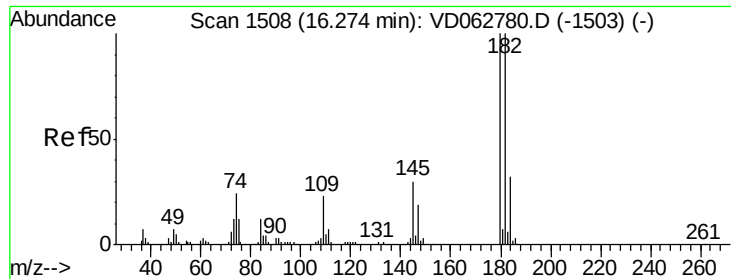
#95
 Naphthalene
 Concen: 23.119 ug/l
 RT: 16.11 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VD062852.D
 Acq: 24 Jun 2019 20:37

Tgt Ion:128 Resp: 30428
 Ion Ratio Lower Upper
 128 100
 127 43.1 9.7 14.5#
 129 88.7 8.3 12.5#



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

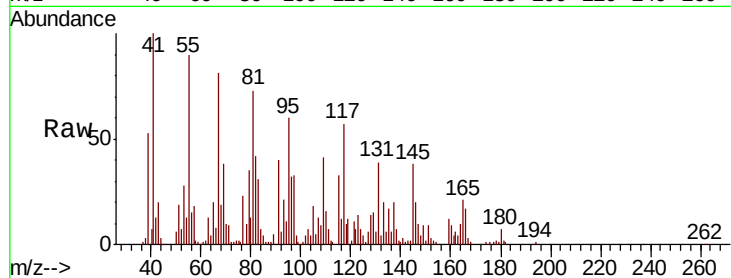




#96
 1,2,3-Trichlorobenzene
 Concen: 10.887 ug/l
 RT: 16.25 min Scan# 1506
 Delta R.T. -0.02 min
 Lab File: VD062852.D
 Acq: 24 Jun 2019 20:37

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Tot Ion	Ratio	Lower	Upper
180	100		
182	11.1	49.9	149.6#
145	525.1	15.2	45.5#



Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

