

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
 Data File : VD062421.D
 Acq On : 16 May 2019 16:56
 Operator : FY/SY
 Sample : K2854-01
 Misc : 5.73g/5mL/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03(25.5)

Quant Time: May 17 02:29:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	7028	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.21	114	11074	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	7259	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	4419	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	3781	57.89	ug/l	0.02
Spiked Amount			Recovery	=	115.78%	
35) Dibromofluoromethane	6.91	113	3160	34.39	ug/l	0.02
Spiked Amount			Recovery	=	68.78%	
50) Toluene-d8	10.41	98	14026	63.31	ug/l	0.01
Spiked Amount			Recovery	=	126.62%	
62) 4-Bromofluorobenzene	13.62	95	5156	57.96	ug/l	0.07
Spiked Amount			Recovery	=	115.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.77	50	370	7.618	ug/l #	43
6) Chloroethane	2.29	64	401	20.021	ug/l #	43
13) Acrolein	3.17	56	548	158.924	ug/l #	18
15) Acrylonitrile	4.20	53	177	20.199	ug/l #	64
16) Acetone	3.18	43	7454	544.221	ug/l #	50
25) 2-Butanone	6.04	43	180	12.048	ug/l #	56
31) Cyclohexane	6.96	56	27540	401.891	ug/l #	61
37) Ethyl Acetate	6.14	43	186	4.830	ug/l #	64
39) Methylcyclohexane	8.87	83	67786	779.204	ug/l #	98
40) Benzene	7.45	78	598	2.917	ug/l #	49
43) Isopropyl Acetate	9.29	43	4857	88.941	ug/l #	43
45) 1,2-Dichloropropane	8.86	63	265	5.225	ug/l #	16
47) Bromodichloromethane	9.39	83	934	9.259	ug/l #	26
48) Methyl methacrylate	9.11	41	2555	75.958	ug/l #	28
51) 4-Methyl-2-Pentanone	10.39	43	11933	339.939	ug/l #	37
55) 1,1,2-Trichloroethane	11.24	97	1685	35.699	ug/l #	16
56) Ethyl methacrylate	11.11	69	6981	142.331	ug/l #	1
59) 2-Hexanone	11.49	43	46774	1807.864	ug/l #	34
65) Chlorobenzene	12.32	112	187	1.383	ug/l #	42
67) Ethyl Benzene	12.52	91	1057	4.670	ug/l #	44
73) Isopropylbenzene	13.41	105	57496	217.057	ug/l #	98
74) N-amyl acetate	13.22	43	65772	947.064	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	13.71	83	20328	405.370	ug/l #	57
76) 1,2,3-Trichloropropane	13.77	75	560	10.663	ug/l #	1
78) n-propylbenzene	13.77	91	113852	360.311	ug/l #	96
79) 2-Chlorotoluene	13.77	91	113852	629.126	ug/l #	38
80) 1,3,5-Trimethylbenzene	13.88	105	804	3.604	ug/l #	29
81) trans-1,4-Dichloro-2-buten	13.41	75	463	31.230	ug/l #	1
82) 4-Chlorotoluene	13.77	91	91366	429.038	ug/l #	37
83) tert-Butylbenzene	14.19	119	6003	23.944	ug/l #	75
84) 1,2,4-Trimethylbenzene	14.09	105	19101	85.334	ug/l #	68
85) sec-Butylbenzene	14.36	105	81039	294.809	ug/l #	98
86) p-Isopropyltoluene	14.50	119	726	2.956	ug/l #	1
87) 1,3-Dichlorobenzene	14.46	146	461	3.403	ug/l #	1

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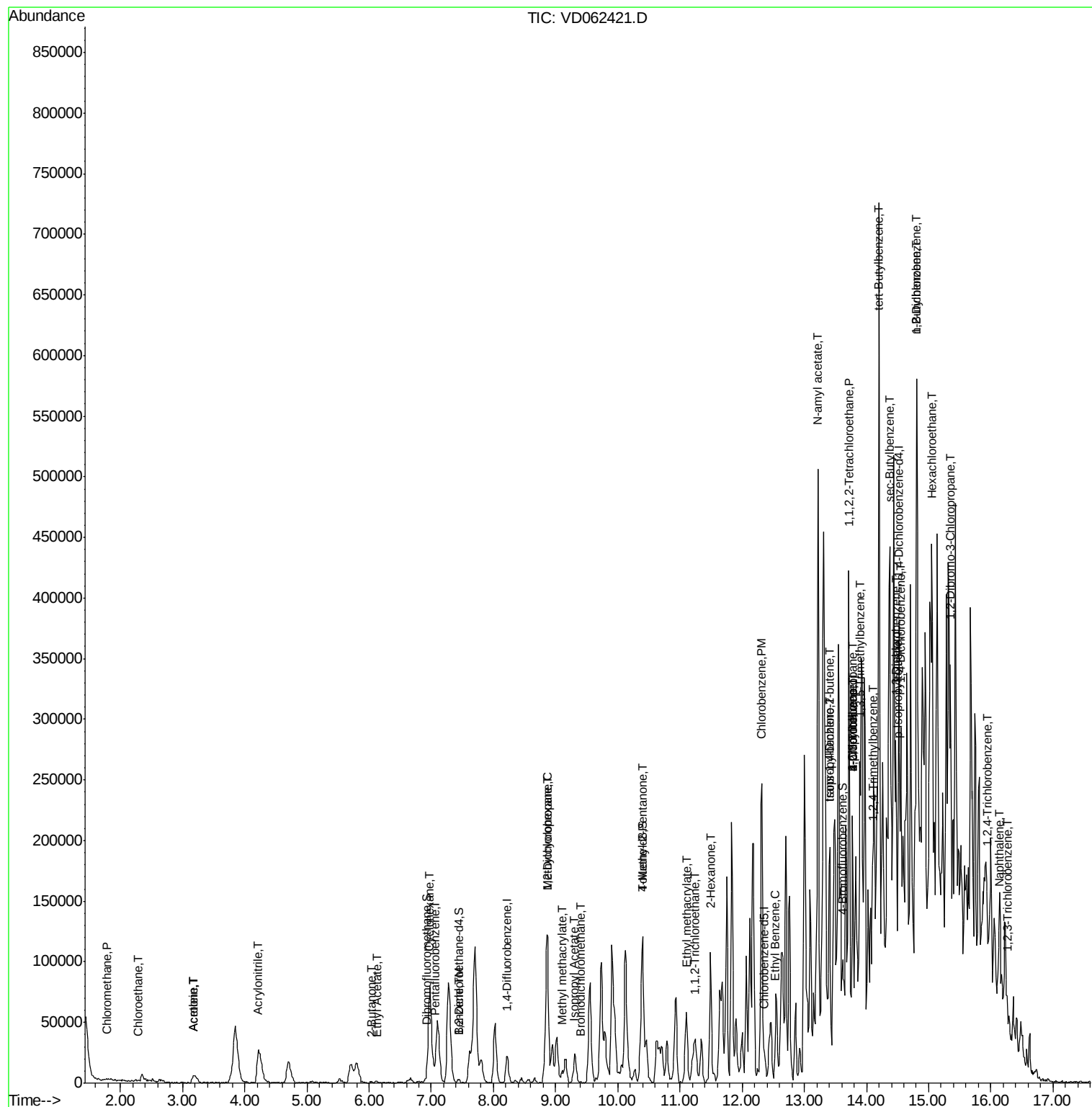
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	14.54	146	572	4.298	uq/l #	1
89) n-Butylbenzene	14.80	91	64344	291.890	uq/l	95
90) Hexachloroethane	15.05	117	9613	143.932	uq/l #	20
91) 1,2-Dichlorobenzene	14.82	146	1657	14.853	uq/l #	1
92) 1,2-Dibromo-3-Chloropropan	15.35	75	214	25.997	uq/l #	1
93) 1,2,4-Trichlorobenzene	15.95	180	831	10.234	uq/l #	1
95) Naphthalene	16.12	128	17404	153.525	uq/l #	90
96) 1,2,3-Trichlorobenzene	16.27	180	1087	21.292	uq/l #	1

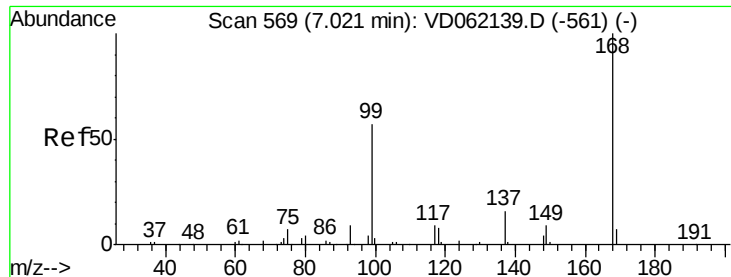
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

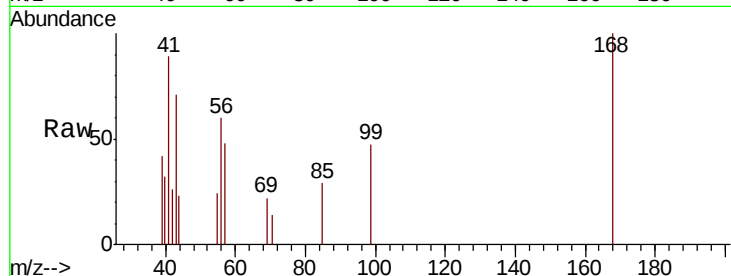
SB-03(25.5)

Tot Ion:168 Resp: 7028

Ion Ratio Lower Upper

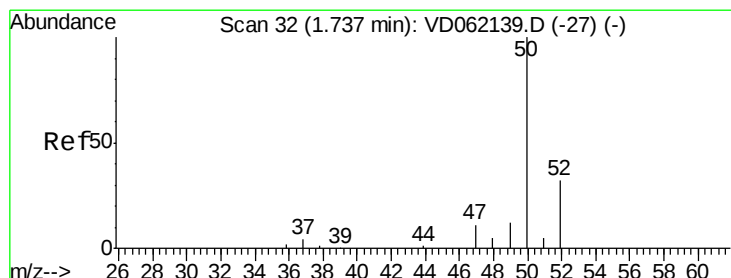
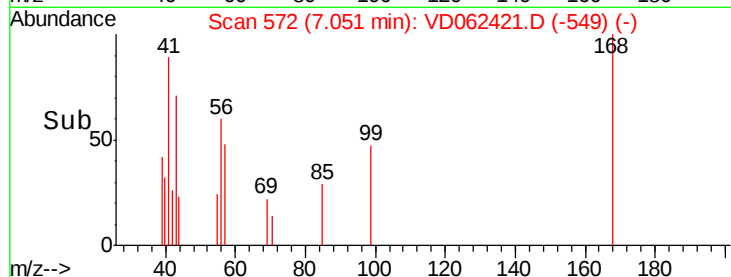
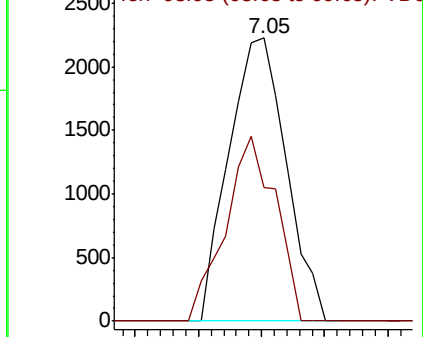
168 100

99 47.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 7.618 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.03 min

Lab File: VD062421.D

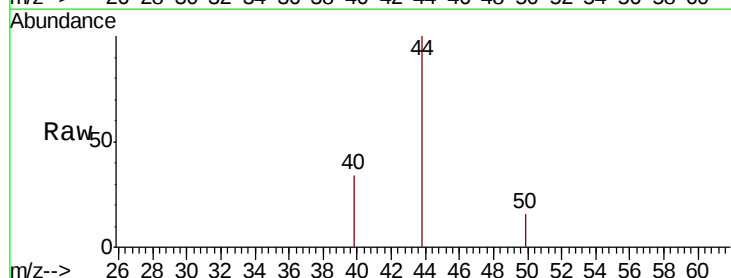
Acq: 16 May 2019 16:56

Tgt Ion: 50 Resp: 370

Ion Ratio Lower Upper

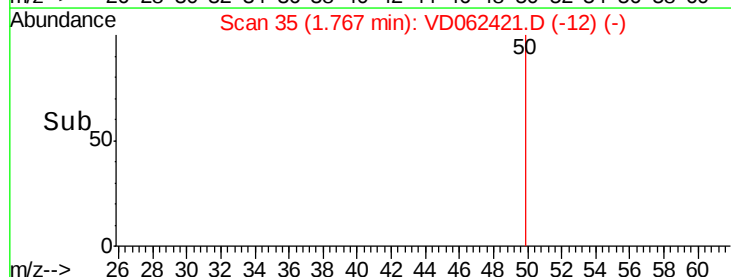
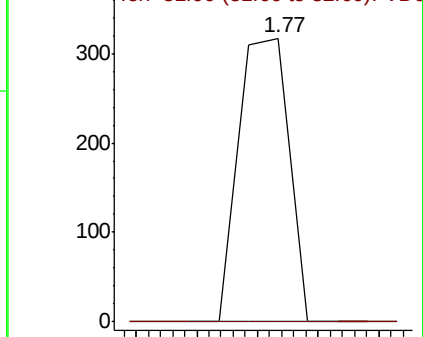
50 100

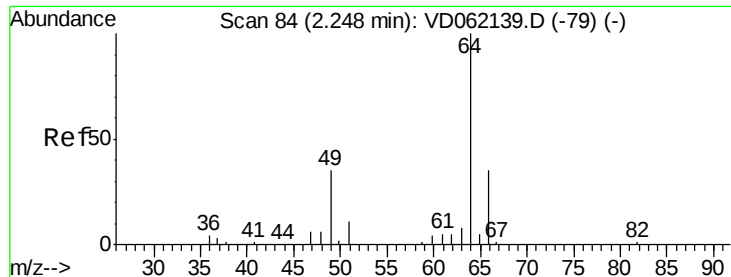
52 0.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#6

Chloroethane

Concen: 20.021 ug/l

RT: 2.29 min Scan# 88

Delta R.T. 0.04 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

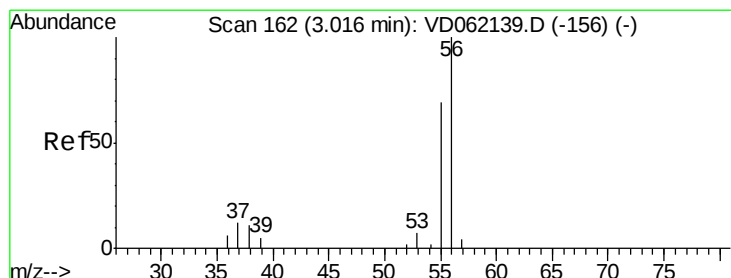
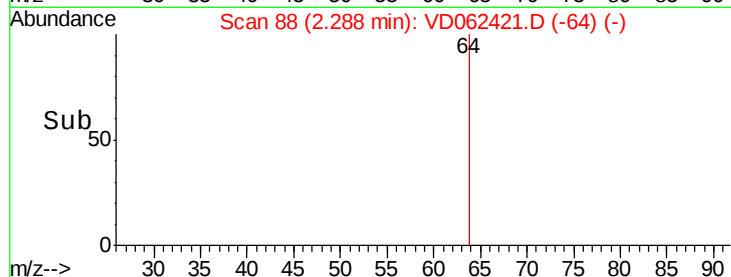
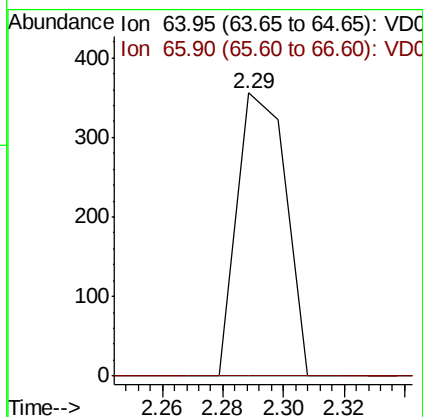
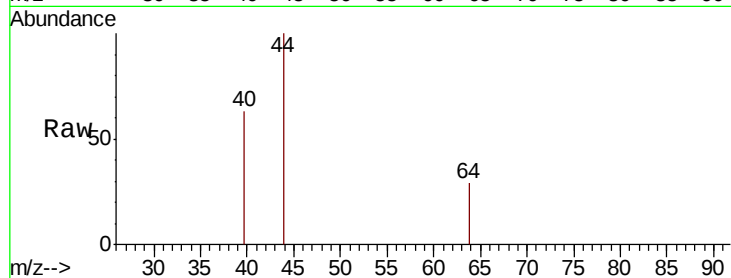
SB-03(25.5)

Tot Ion: 64 Resp: 401

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#13

Acrolein

Concen: 158.924 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.16 min

Lab File: VD062421.D

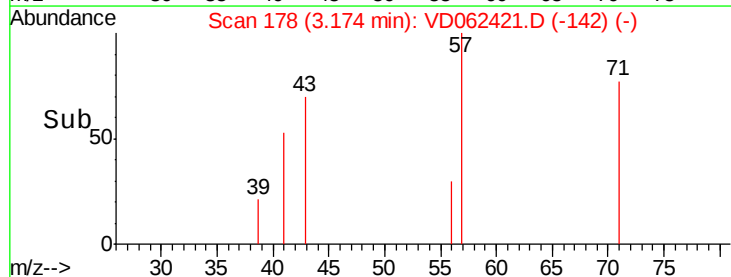
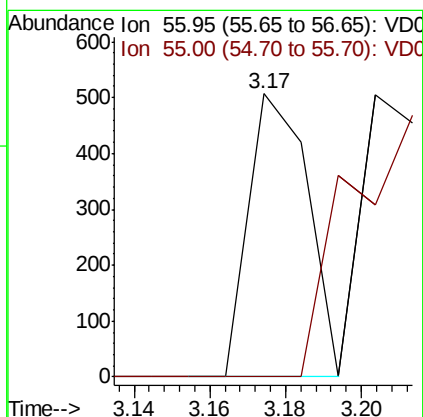
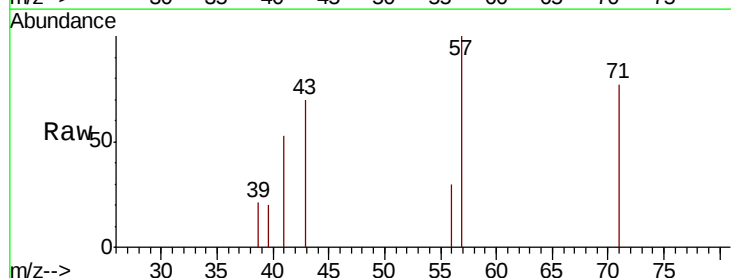
Acq: 16 May 2019 16:56

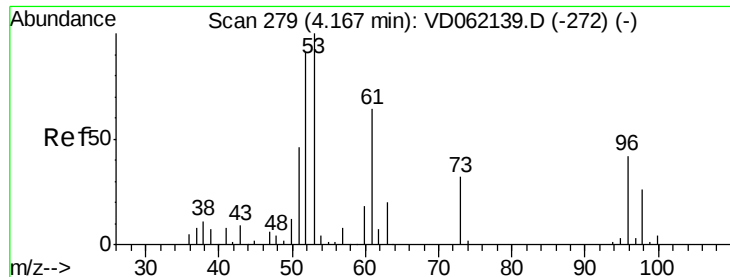
Tgt Ion: 56 Resp: 548

Ion Ratio Lower Upper

56 100

55 0.0 51.4 77.2#





#15

Acrylonitrile

Concen: 20.199 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

SB-03(25.5)

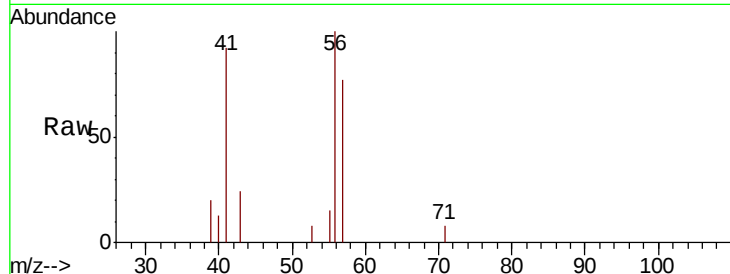
Tot Ion: 53 Resp: 177

Ion Ratio Lower Upper

53 100

52 100.0 65.0 97.4#

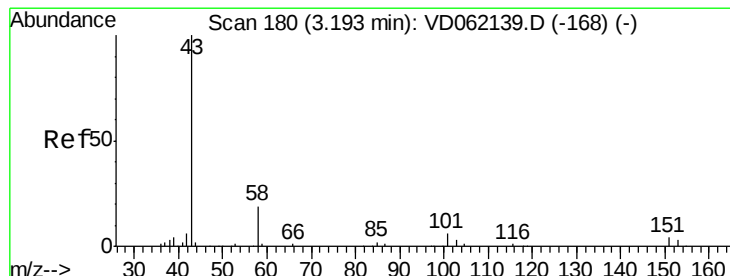
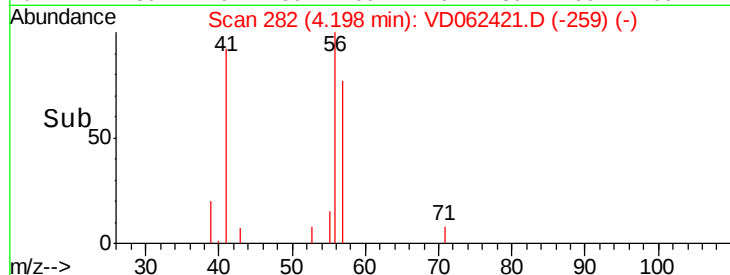
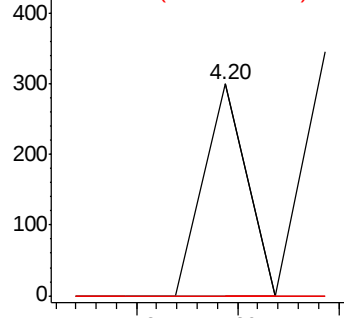
51 0.0 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 544.221 ug/l

RT: 3.18 min Scan# 179

Delta R.T. -0.01 min

Lab File: VD062421.D

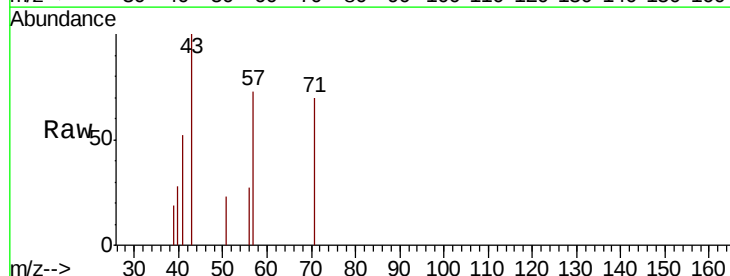
Acq: 16 May 2019 16:56

Tgt Ion: 43 Resp: 7454

Ion Ratio Lower Upper

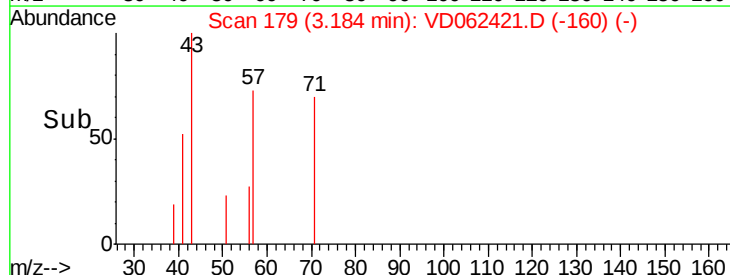
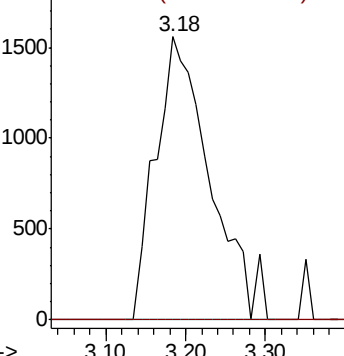
43 100

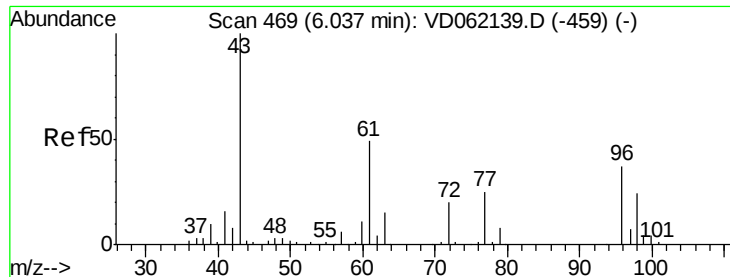
58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 12.048 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

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ClientSampleId :

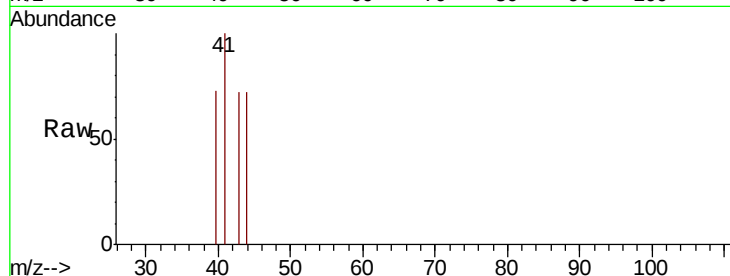
SB-03(25.5)

Tot Ion: 43 Resp: 180

Ion Ratio Lower Upper

43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.04

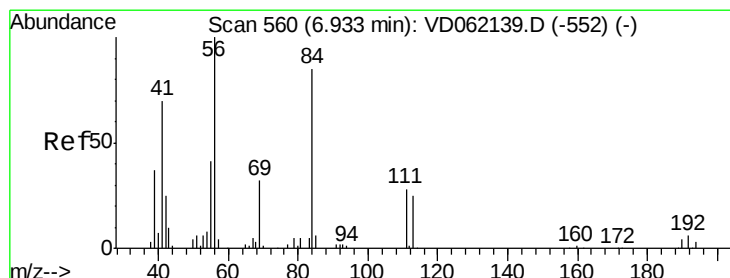
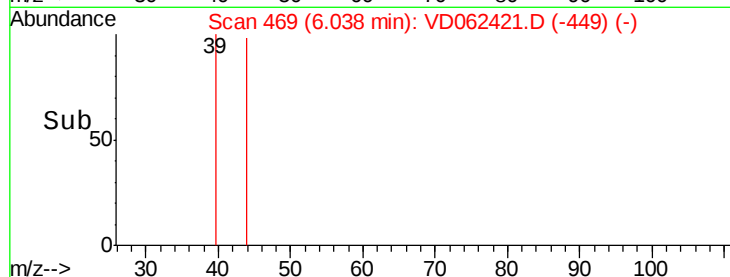
300

200

100

0

Time--> 6.00 6.02 6.04 6.06



#31

Cyclohexane

Concen: 401.891 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.03 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

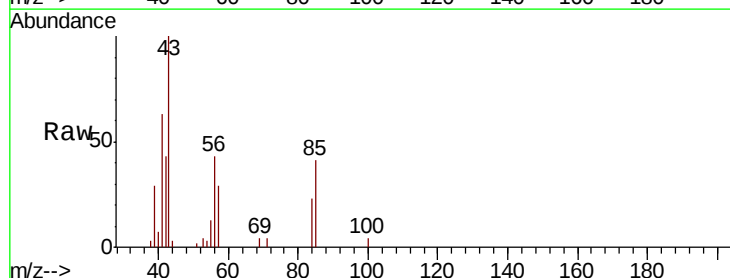
Tgt Ion: 56 Resp: 27540

Ion Ratio Lower Upper

56 100

69 10.3 25.8 38.6#

84 53.1 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

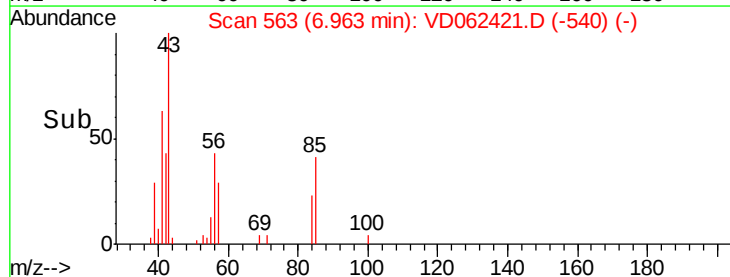
15000

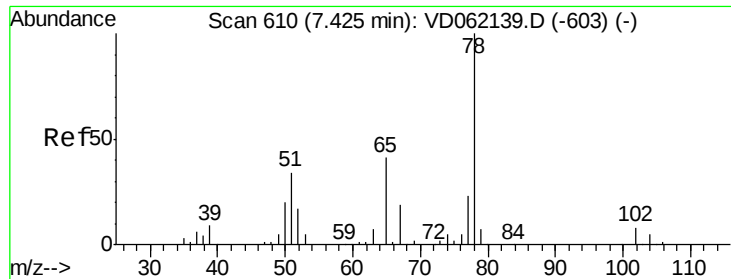
10000

5000

0

Time--> 6.90 7.00





#33

1,2-Dichloroethane-d4

Concen: 57.891 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

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ClientSampleId :

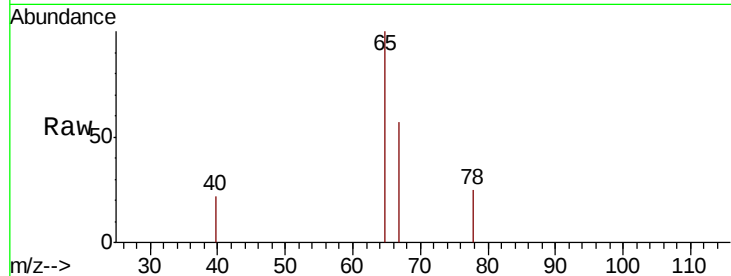
SB-03(25.5)

Tot Ion: 65 Resp: 3781

Ion Ratio Lower Upper

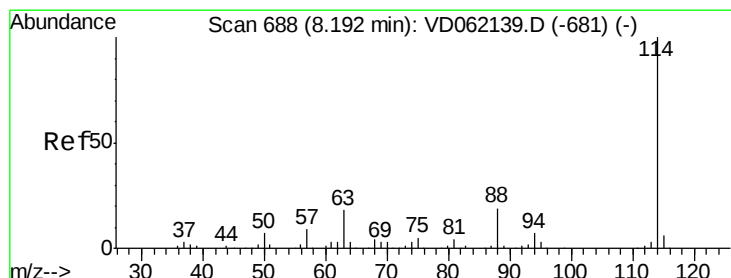
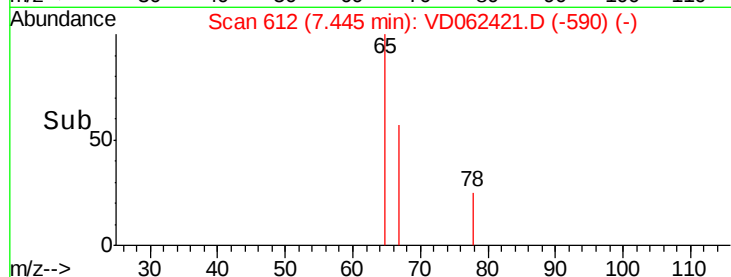
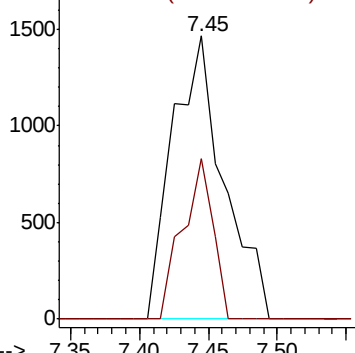
65 100

67 56.6 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

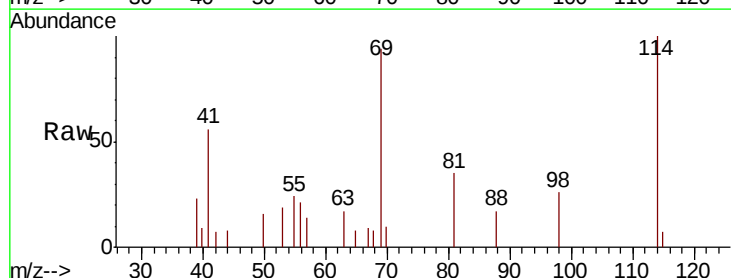
Tgt Ion: 114 Resp: 11074

Ion Ratio Lower Upper

114 100

63 16.5 0.0 32.4

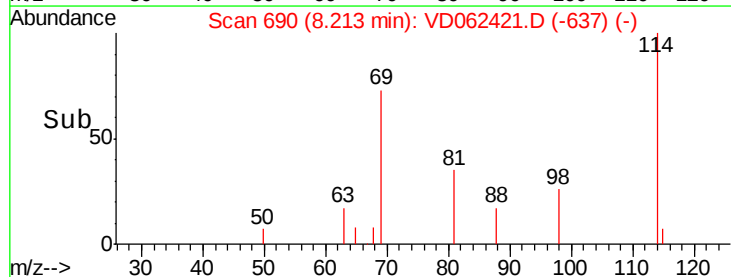
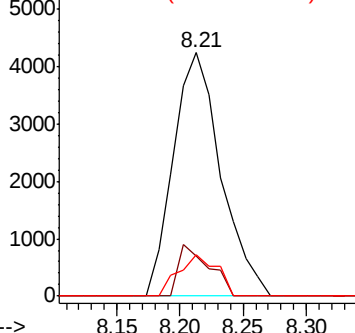
88 16.8 0.0 33.6

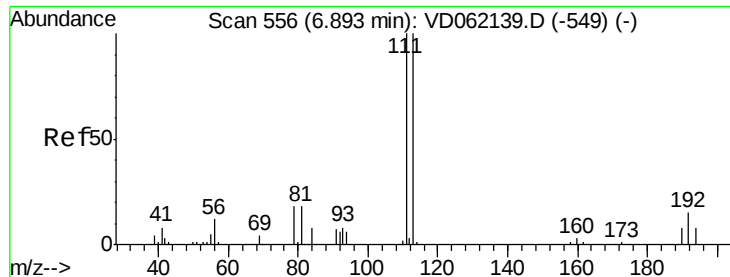


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 34.392 ug/l

RT: 6.91 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD062421.D

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SB-03(25.5)

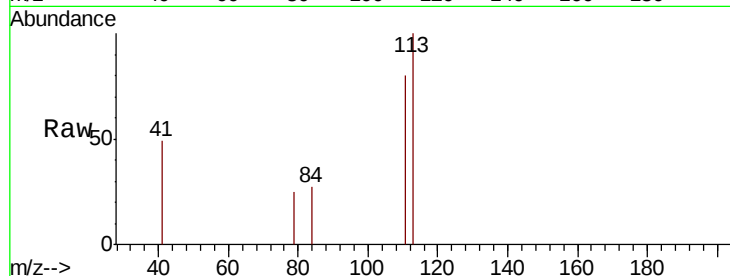
Tot Ion:113 Resp: 3160

Ion Ratio Lower Upper

113 100

111 79.9 78.5 117.7

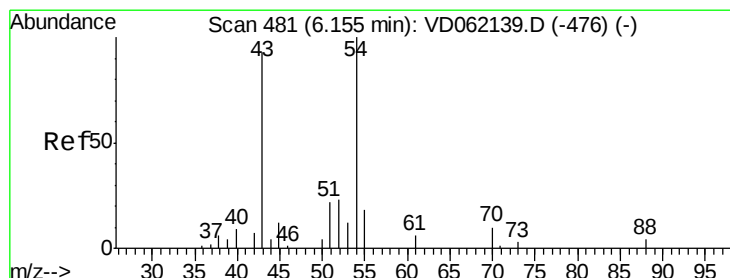
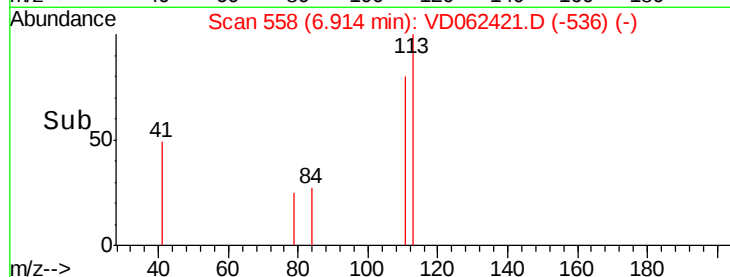
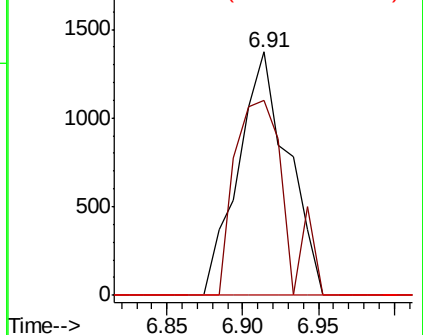
192 0.0 13.0 19.4#



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



#37

Ethyl Acetate

Concen: 4.830 ug/l

RT: 6.14 min Scan# 479

Delta R.T. -0.02 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

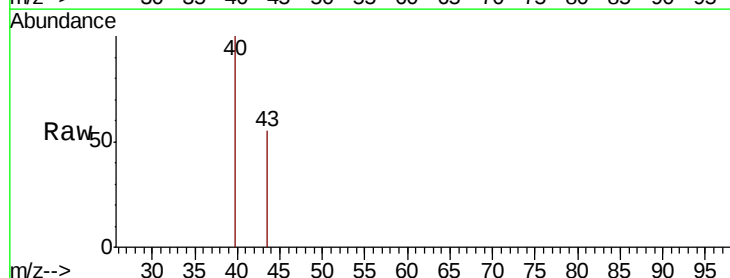
Tgt Ion: 43 Resp: 186

Ion Ratio Lower Upper

43 100

61 0.0 14.7 22.1#

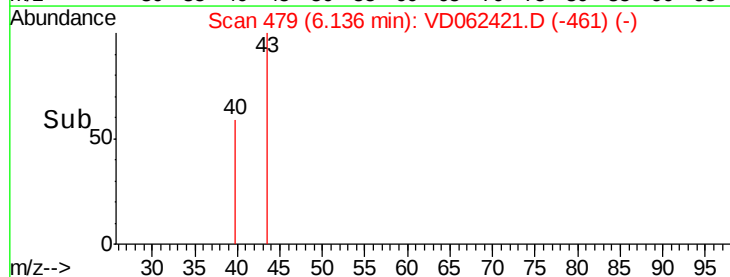
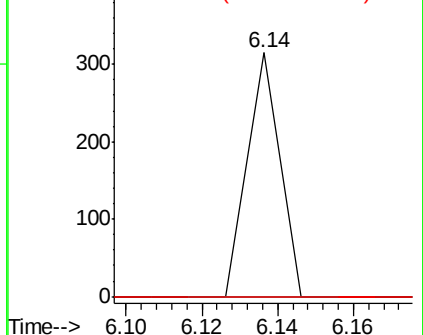
70 0.0 7.8 11.6#

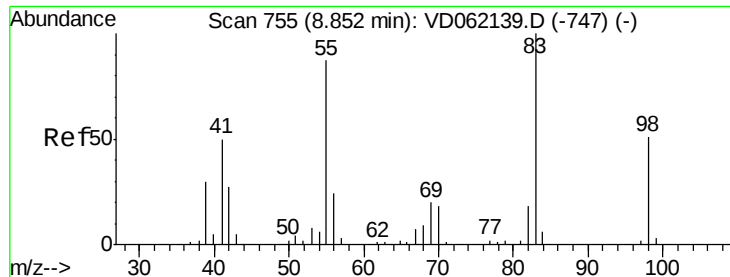


Abundance Ion 42.95 (42.65 to 43.65): V

Ion 60.95 (60.65 to 61.65): V

Ion 70.00 (69.70 to 70.70): V





#39

Methvlcvclohexane

Concen: 779.204 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

SB-03(25.5)

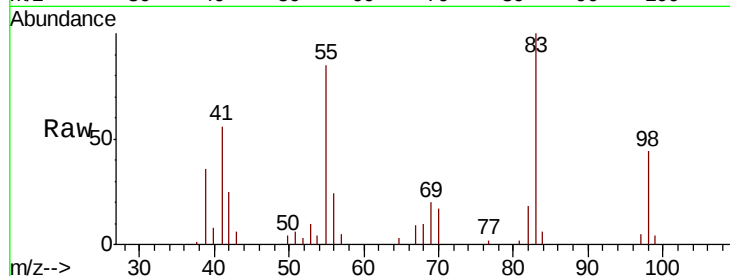
Tot Ion: 83 Resp: 67786

Ion Ratio Lower Upper

83 100

55 85.2 68.2 102.4

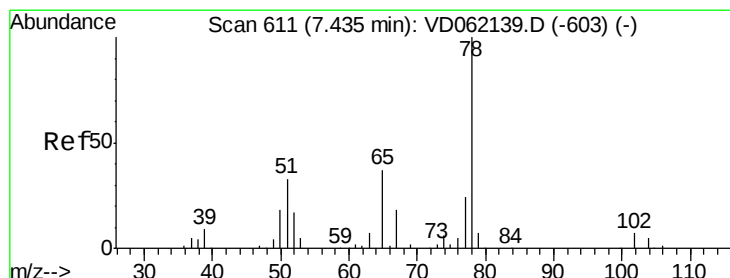
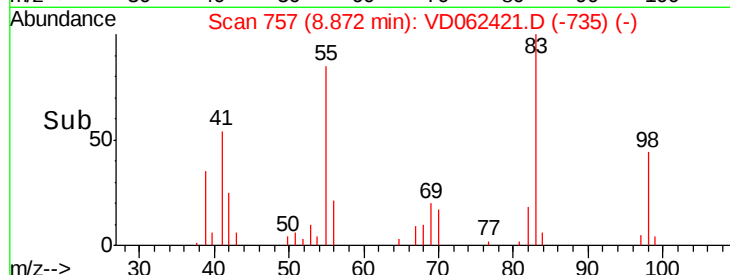
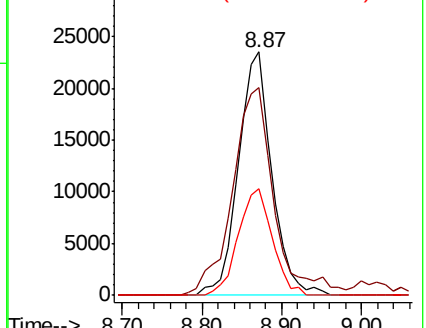
98 43.9 38.2 57.4



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: 2.917 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD062421.D

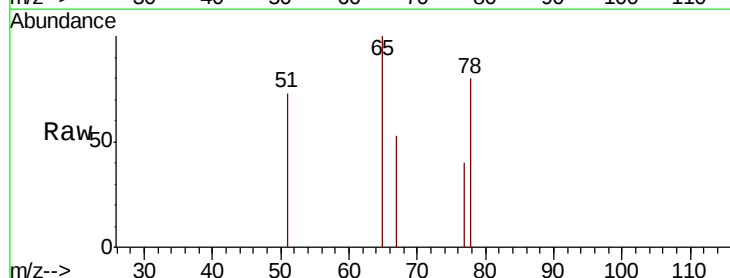
Acq: 16 May 2019 16:56

Tgt Ion: 78 Resp: 598

Ion Ratio Lower Upper

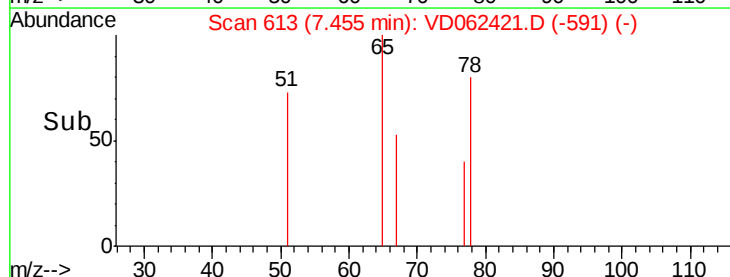
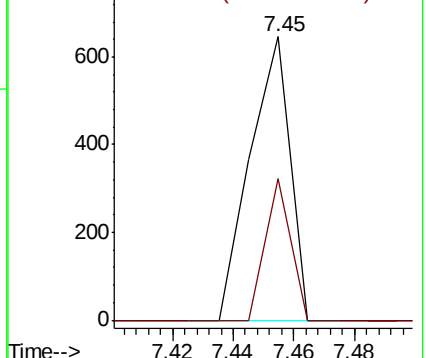
78 100

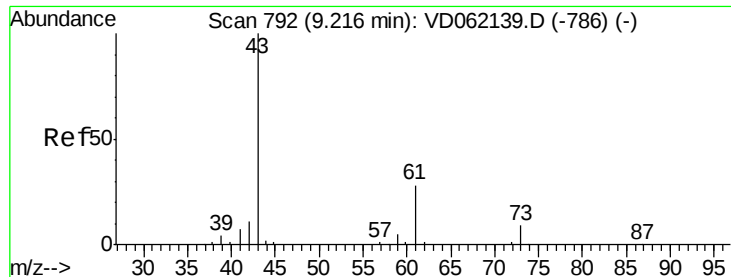
77 49.8 19.7 29.5#



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#43

Isopropyl Acetate

Concen: 88.941 ug/l

RT: 9.29 min Scan# 799

Delta R.T. 0.07 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

SB-03(25.5)

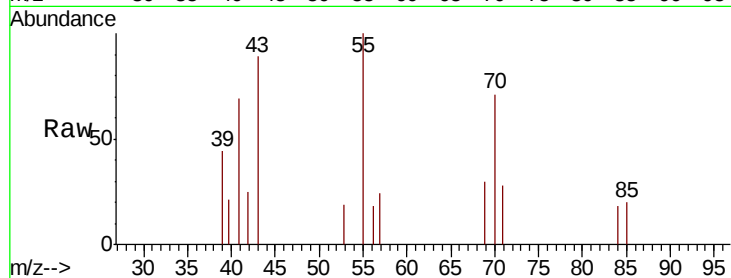
Tot Ion: 43 Resp: 4857

Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

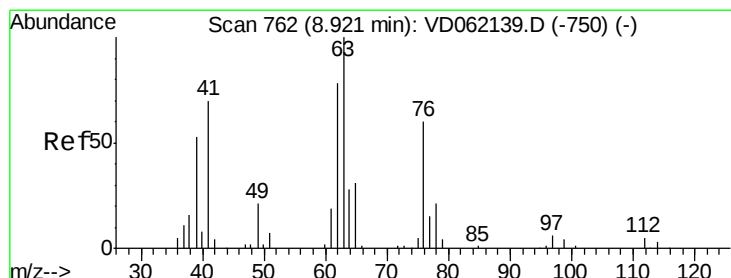
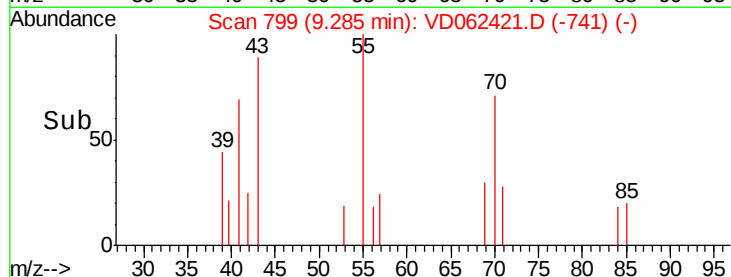
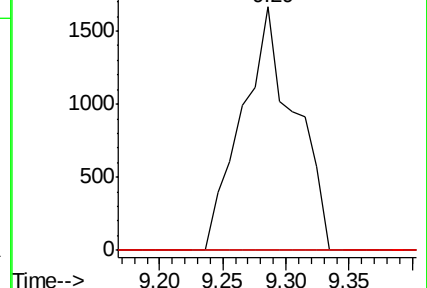
87 0.0 0.0 0.0



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



#45

1,2-Dichloropropane

Concen: 5.225 ug/l

RT: 8.86 min Scan# 756

Delta R.T. -0.06 min

Lab File: VD062421.D

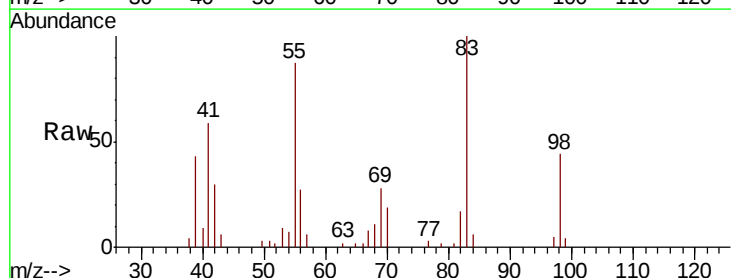
Acq: 16 May 2019 16:56

Tgt Ion: 63 Resp: 265

Ion Ratio Lower Upper

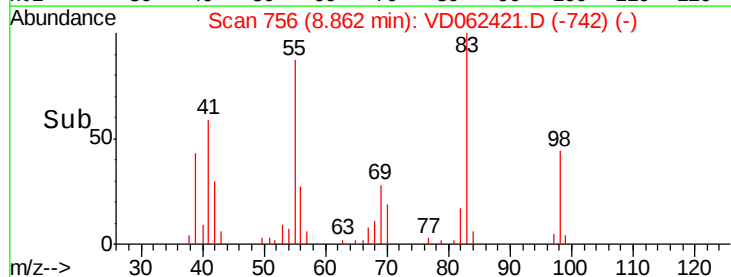
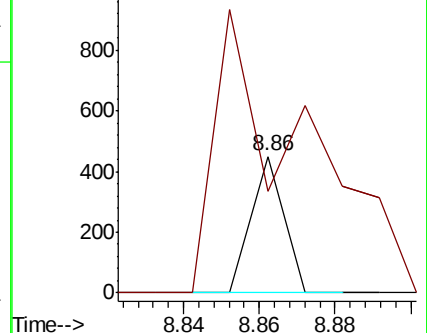
63 100

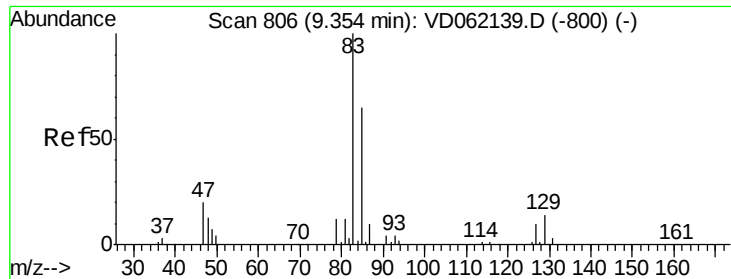
65 74.8 23.8 35.6#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC





#47

Bromodichloromethane

Concen: 9.259 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.04 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

SB-03(25.5)

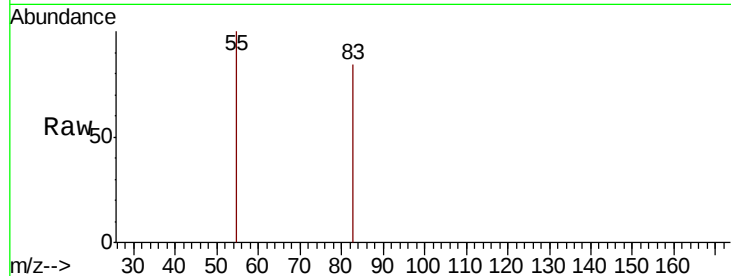
Tot Ion: 83 Resp: 934

Ion Ratio Lower Upper

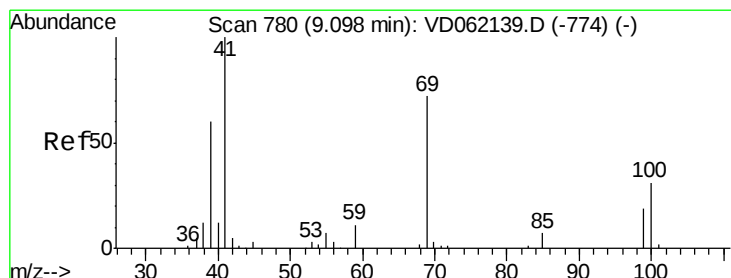
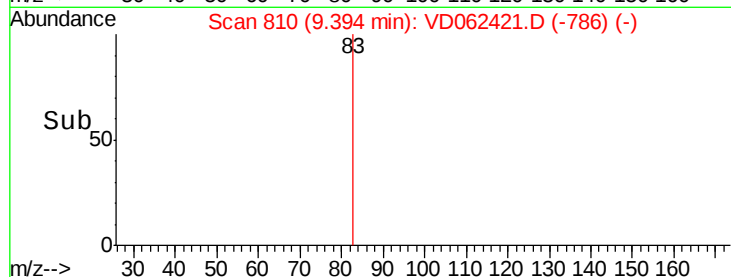
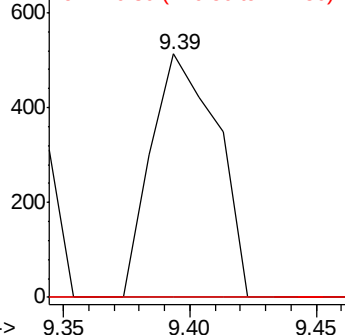
83 100

85 0.0 50.9 76.3#

127 0.0 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: 75.958 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

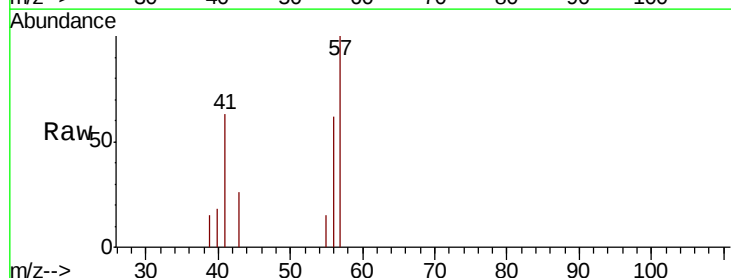
Tgt Ion: 41 Resp: 2555

Ion Ratio Lower Upper

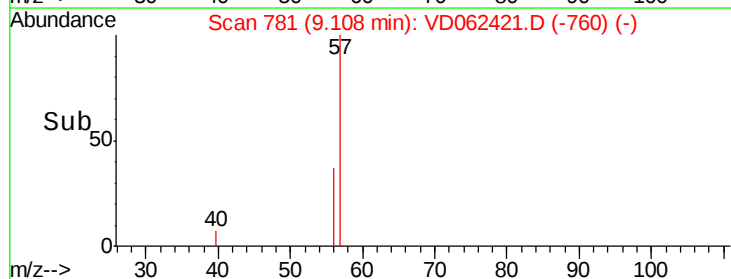
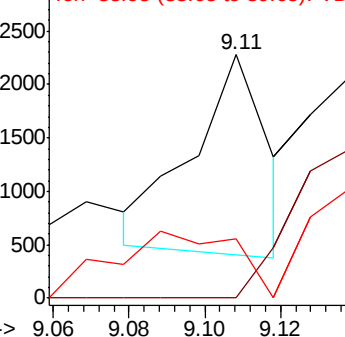
41 100

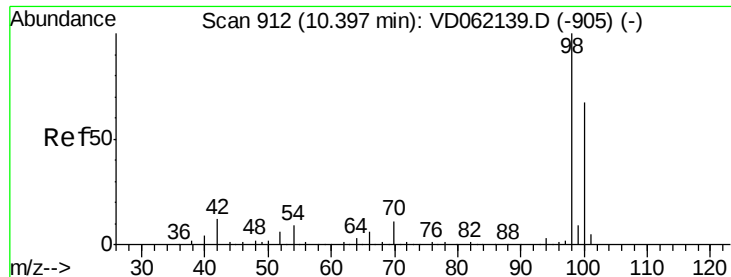
69 0.0 64.2 96.2#

39 24.2 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





#50

Toluene-d8

Concen: 63.313 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

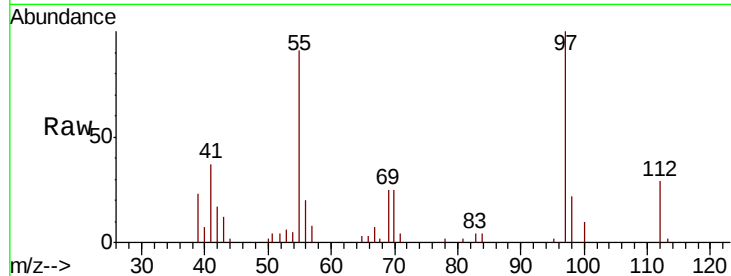
SB-03(25.5)

Tot Ion: 98 Resp: 14026

Ion Ratio Lower Upper

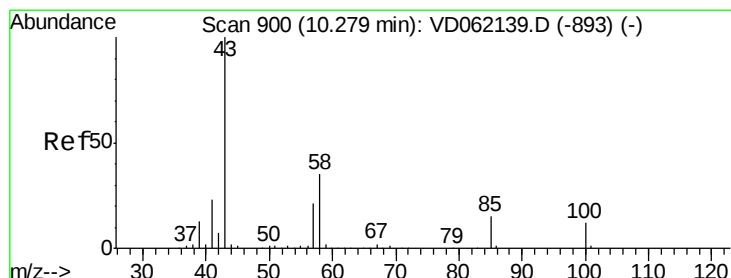
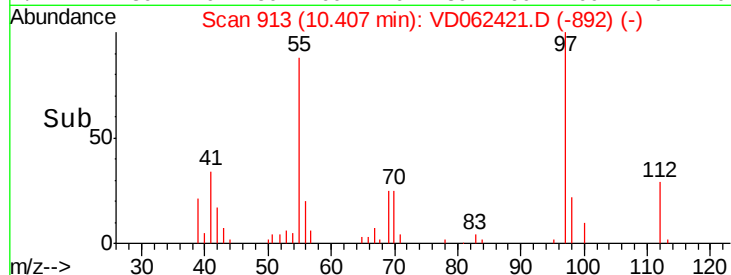
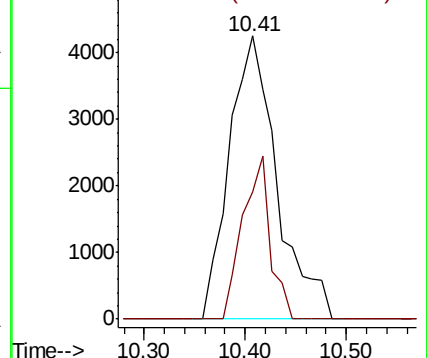
98 100

100 45.0 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: 339.939 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.11 min

Lab File: VD062421.D

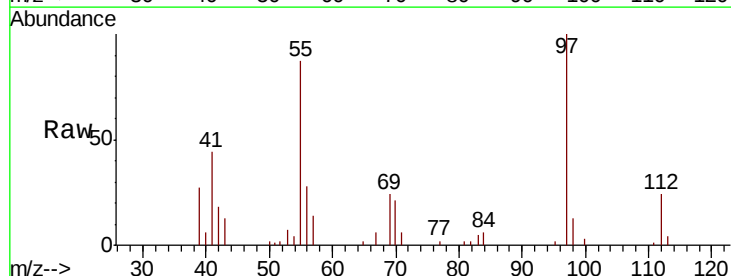
Acq: 16 May 2019 16:56

Tgt Ion: 43 Resp: 11933

Ion Ratio Lower Upper

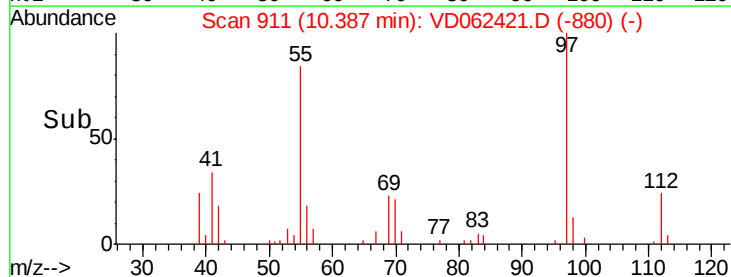
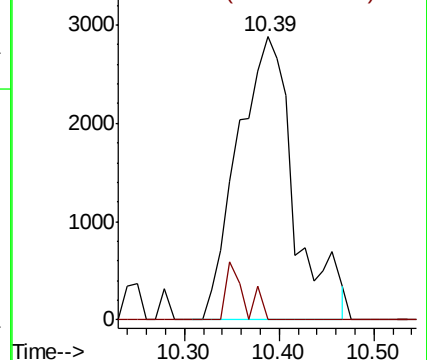
43 100

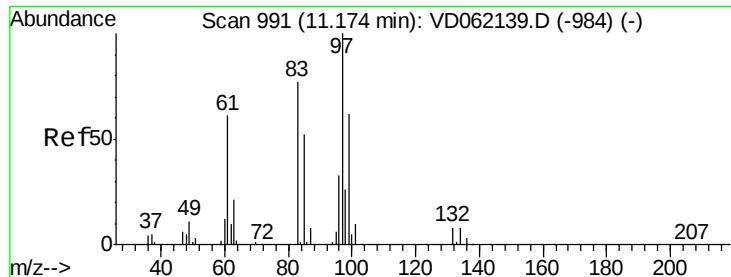
58 0.0 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

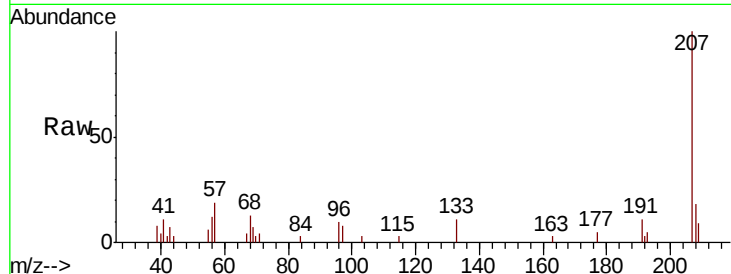




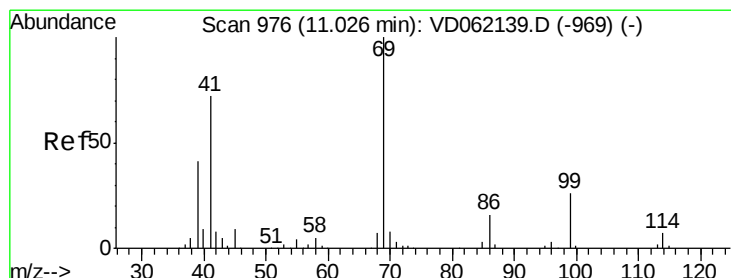
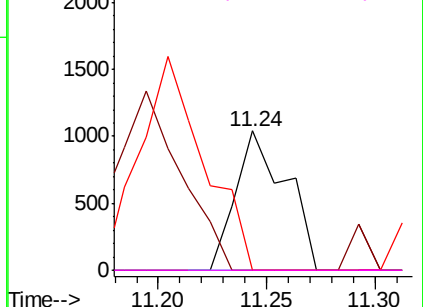
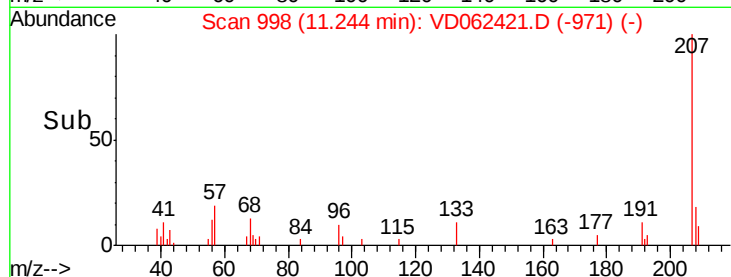
#55
 1,1,2-Trichloroethane
 Concen: 35.699 ug/l
 RT: 11.24 min Scan# 998
 Delta R.T. 0.07 min
 Lab File: VD062421.D
 Acq: 16 May 2019 16:56

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03(25.5)

Tot Ion: 97 Resp: 1685
 Ion Ratio Lower Upper
 97 100
 83 0.0 65.7 98.5#
 85 0.0 45.6 68.4#
 99 0.0 48.4 72.6#

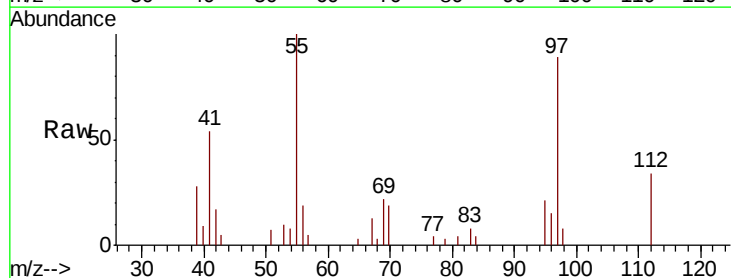


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

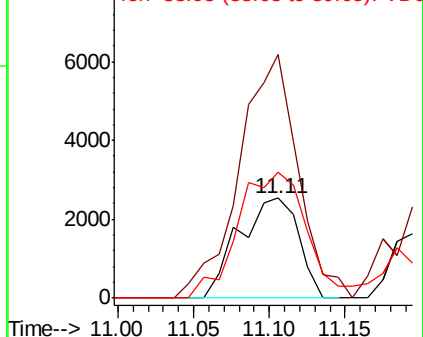
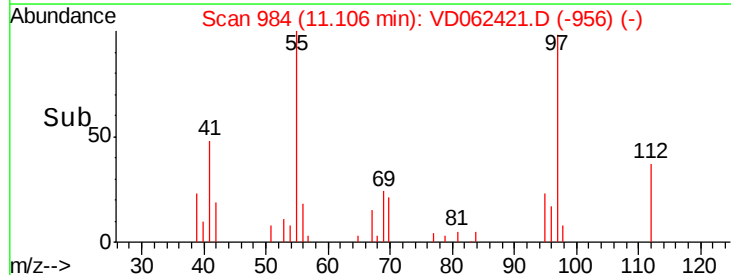


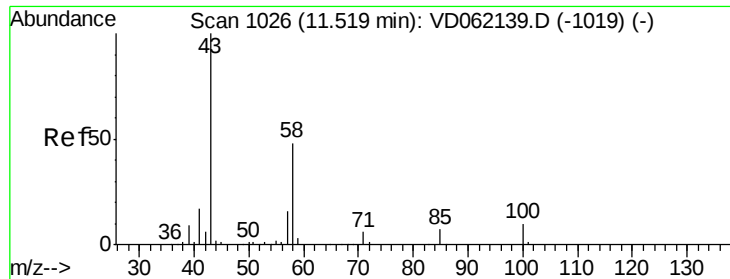
#56
 Ethyl methacrylate
 Concen: 142.331 ug/l
 RT: 11.11 min Scan# 984
 Delta R.T. 0.08 min
 Lab File: VD062421.D
 Acq: 16 May 2019 16:56

Tgt Ion: 69 Resp: 6981
 Ion Ratio Lower Upper
 69 100
 41 243.4 56.3 84.5#
 39 126.0 29.4 44.2#



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

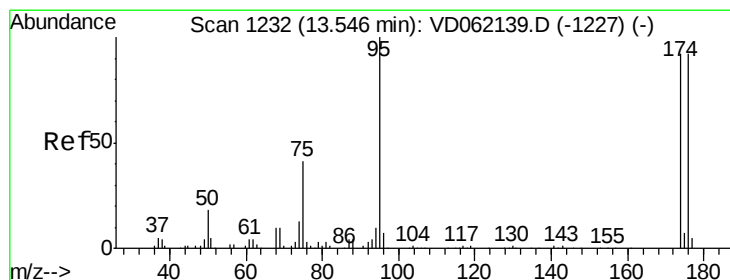
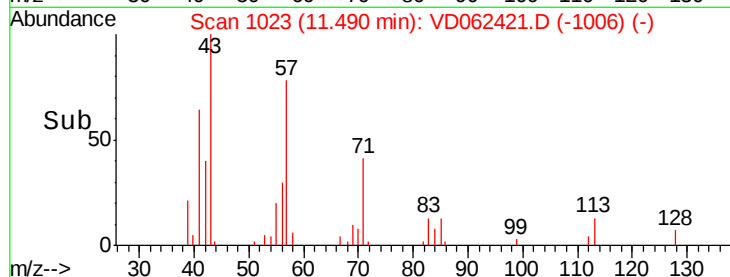
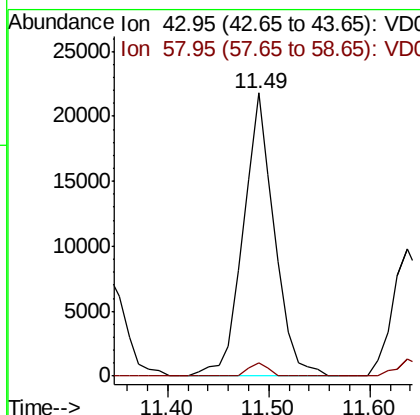
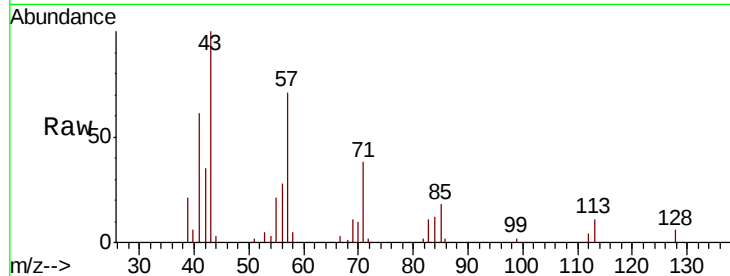




#59
2-Hexanone
Concen: 1807.864 ug/l
RT: 11.49 min Scan# 1023
Delta R.T. -0.03 min
Lab File: VD062421.D
Acq: 16 May 2019 16:56

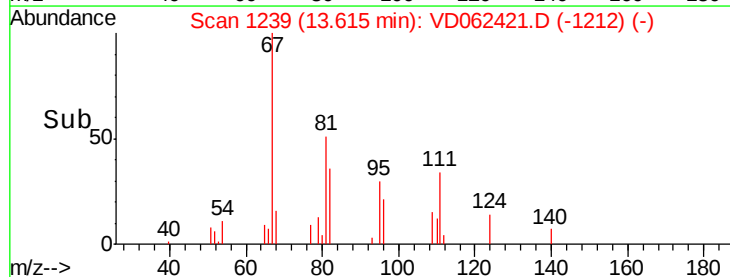
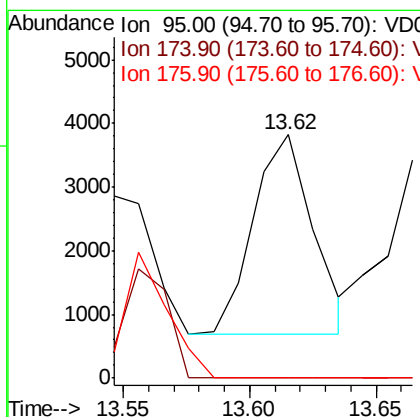
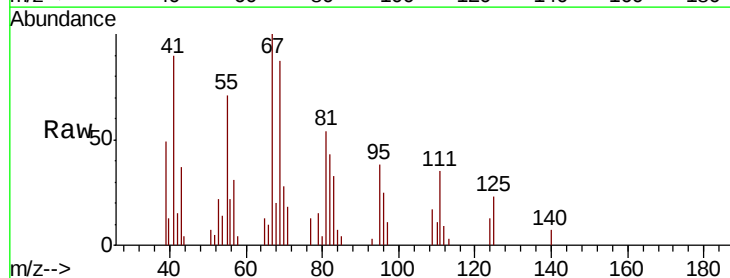
Instrument :
MSVOA_D
ClientSampleId :
SB-03(25.5)

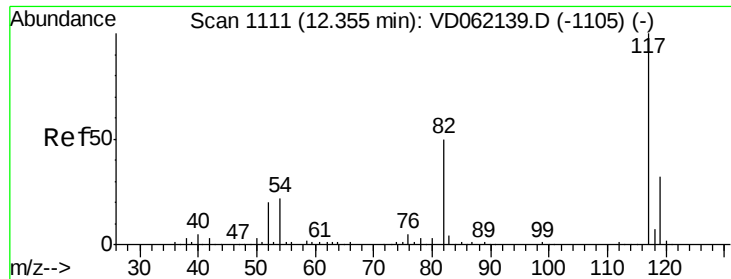
Tot Ion: 43 Resp: 46774
Ion Ratio Lower Upper
43 100
58 4.7 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 57.958 ug/l
RT: 13.62 min Scan# 1239
Delta R.T. 0.07 min
Lab File: VD062421.D
Acq: 16 May 2019 16:56

Tgt Ion: 95 Resp: 5156
Ion Ratio Lower Upper
95 100
174 0.0 0.0 181.8
176 0.0 0.0 174.4

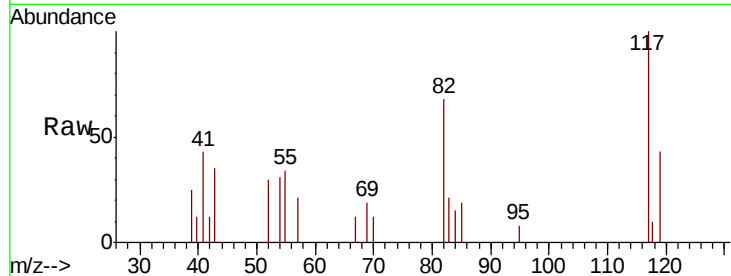




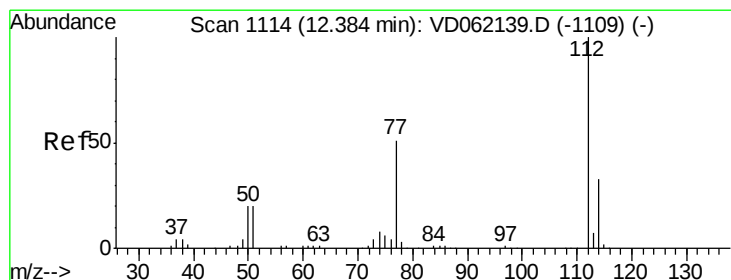
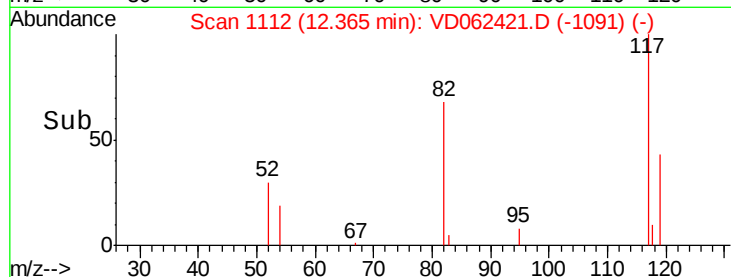
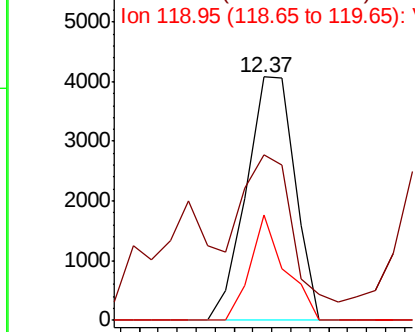
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062421.D
Acq: 16 May 2019 16:56

Instrument :
MSVOA_D
ClientSampleId :
SB-03(25.5)

Tot Ion:117 Resp: 7259
Ion Ratio Lower Upper
117 100
82 68.0 36.2 54.2#
119 43.4 26.2 39.4#

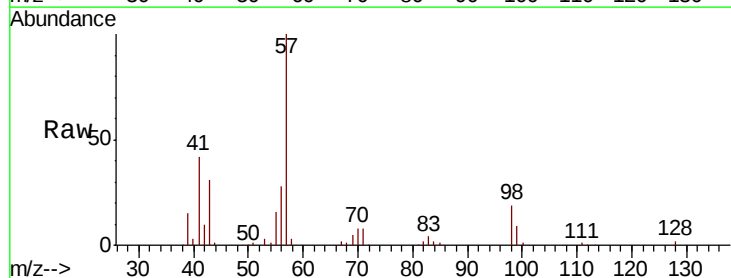


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

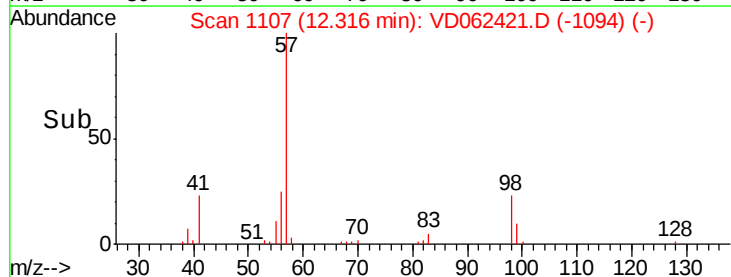
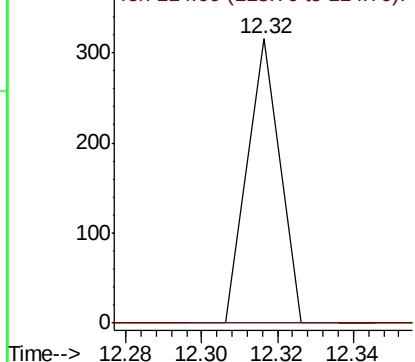


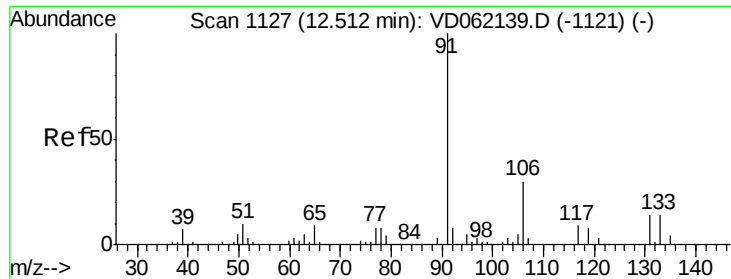
#65
Chlorobenzene
Concen: 1.383 ug/l
RT: 12.32 min Scan# 1107
Delta R.T. -0.07 min
Lab File: VD062421.D
Acq: 16 May 2019 16:56

Tgt Ion:112 Resp: 187
Ion Ratio Lower Upper
112 100
114 0.0 25.8 38.8#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

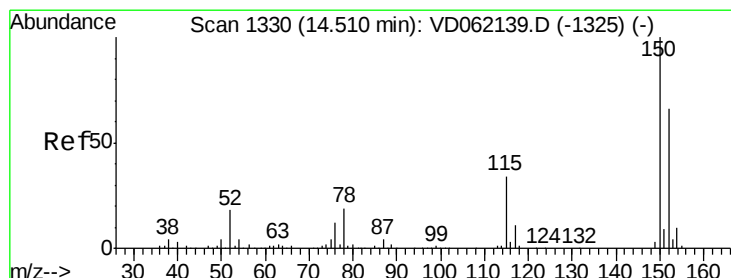
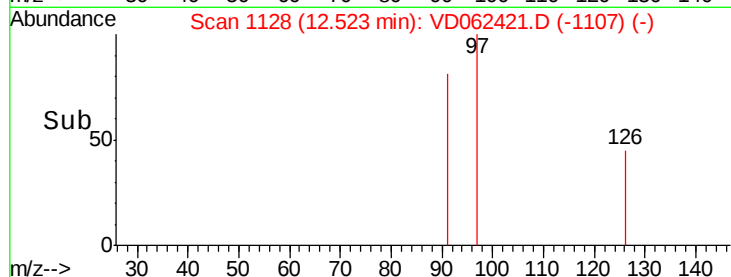
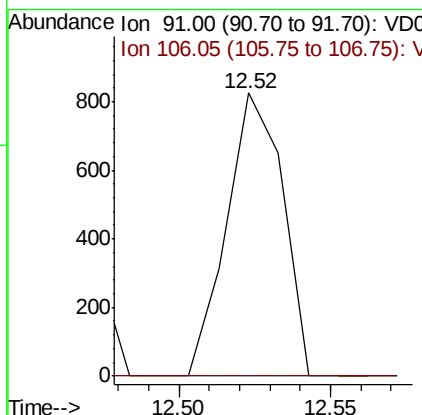
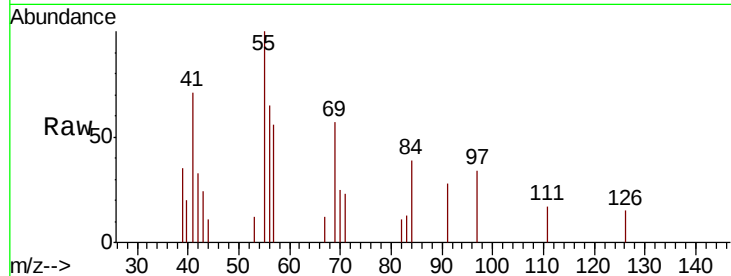




#67
Ethyl Benzene
Concen: 4.670 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062421.D
Acq: 16 May 2019 16:56

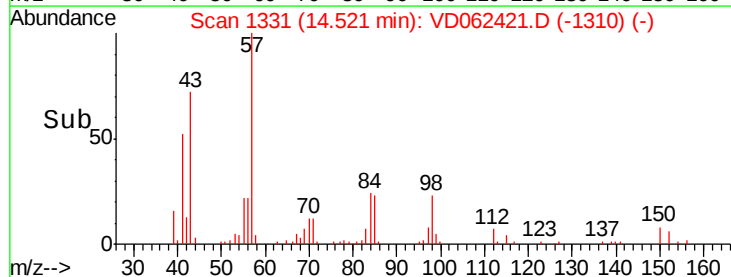
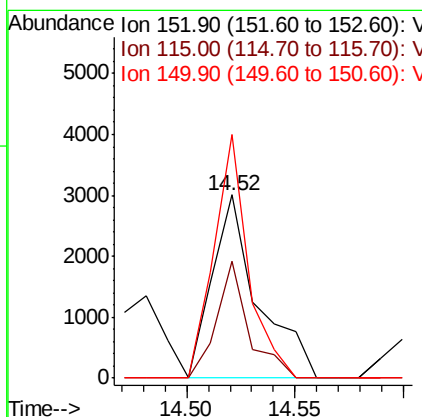
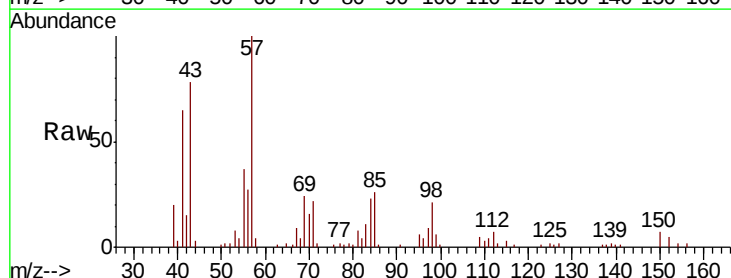
Instrument :
MSVOA_D
ClientSampleId :
SB-03(25.5)

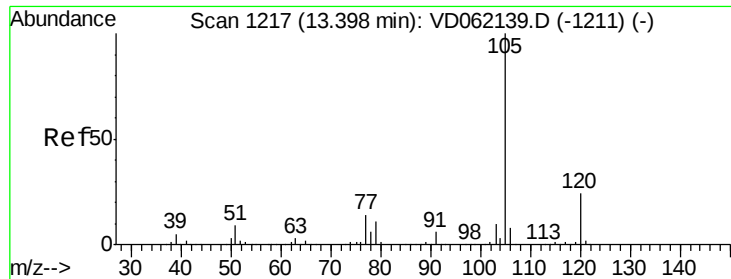
Tot Ion: 91 Resp: 1057
Ion Ratio Lower Upper
91 100
106 0.0 24.7 37.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062421.D
Acq: 16 May 2019 16:56

Tgt Ion: 152 Resp: 4419
Ion Ratio Lower Upper
152 100
115 63.7 30.9 92.7
150 133.0 0.0 314.8





#73

Isopropylbenzene

Concen: 217.057 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

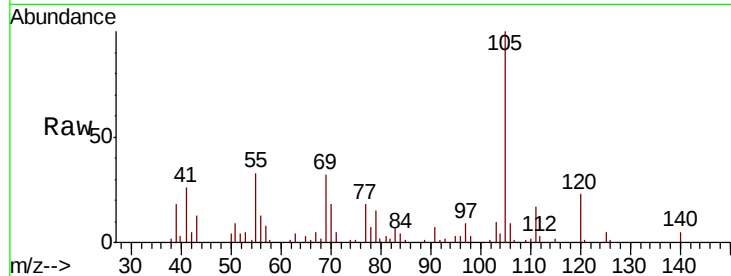
SB-03(25.5)

Tot Ion:105 Resp: 57496

Ion Ratio Lower Upper

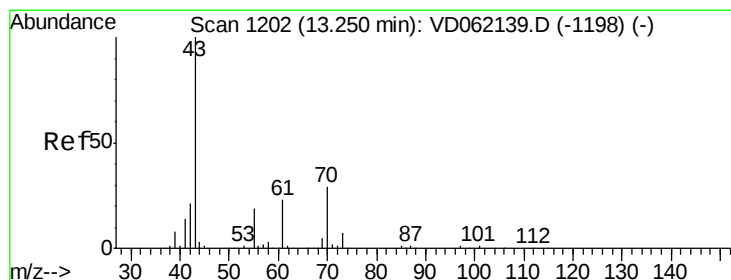
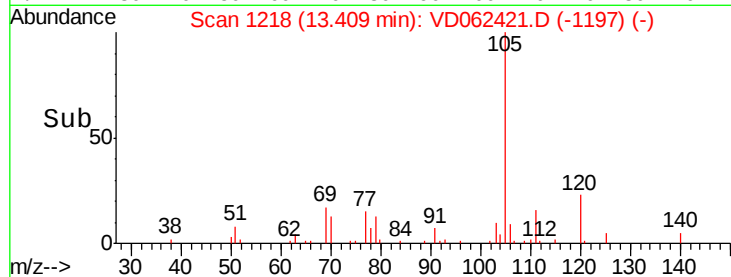
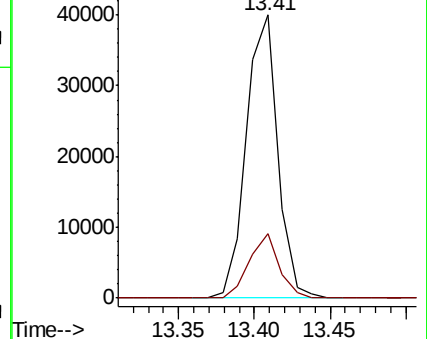
105 100

120 23.0 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: 947.064 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.03 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Tgt Ion: 43 Resp: 65772

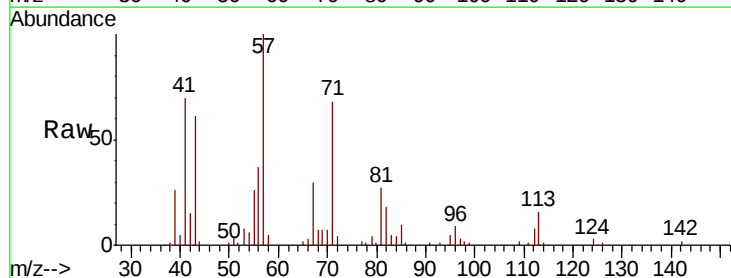
Ion Ratio Lower Upper

43 100

70 11.2 24.2 36.4#

55 42.3 16.0 24.0#

61 0.0 21.6 32.4#

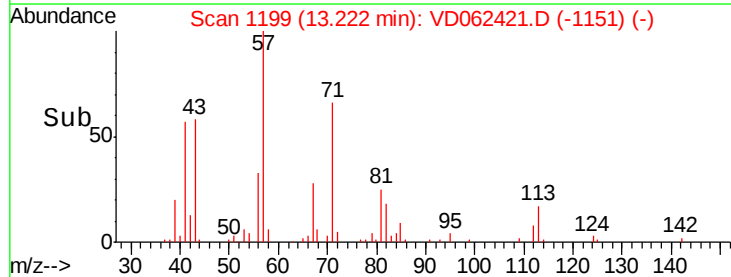
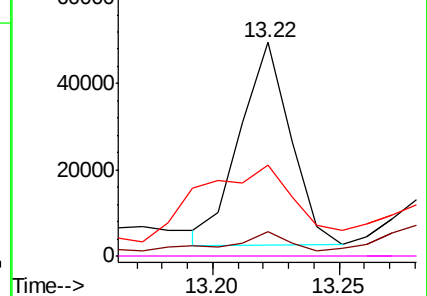


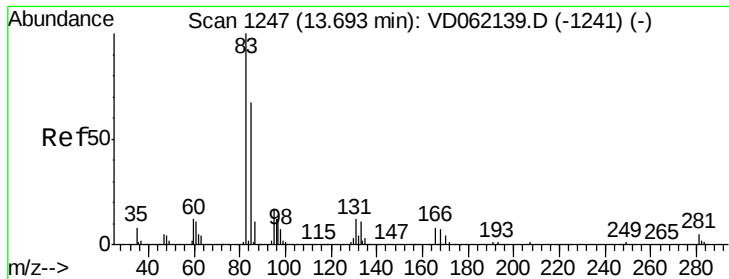
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 405.370 ug/l

RT: 13.71 min Scan# 1249

Delta R.T. 0.02 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

SB-03(25.5)

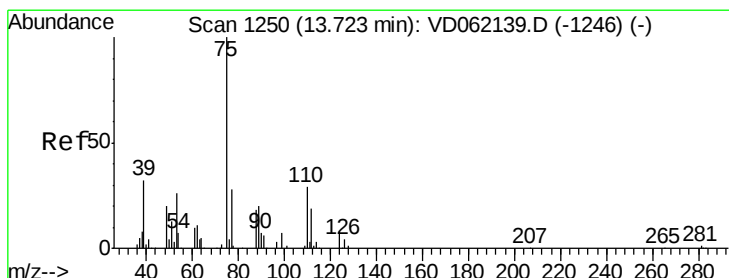
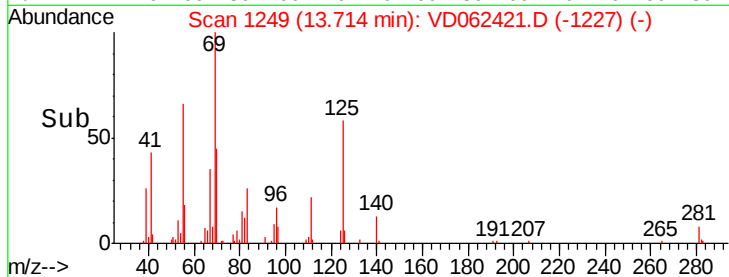
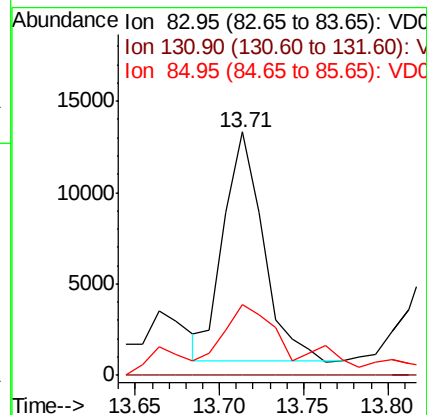
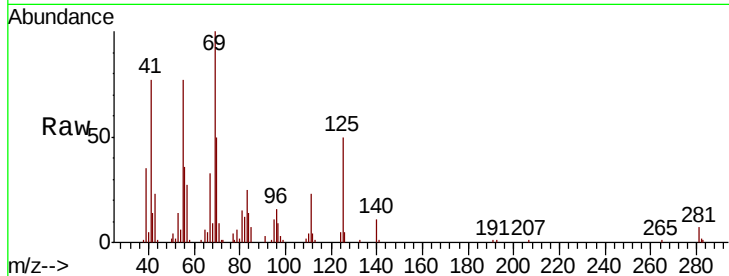
Tot Ion: 83 Resp: 20328

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 28.8 32.6 97.7#



#76

1,2,3-Trichloropropane

Concen: 10.663 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.05 min

Lab File: VD062421.D

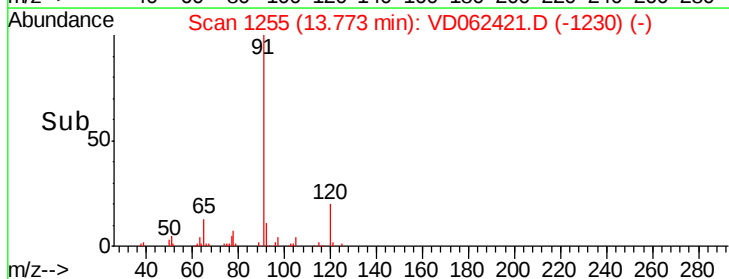
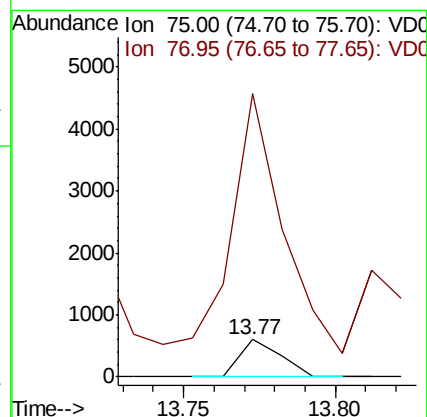
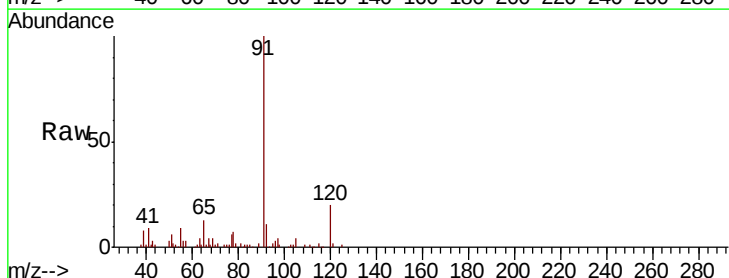
Acq: 16 May 2019 16:56

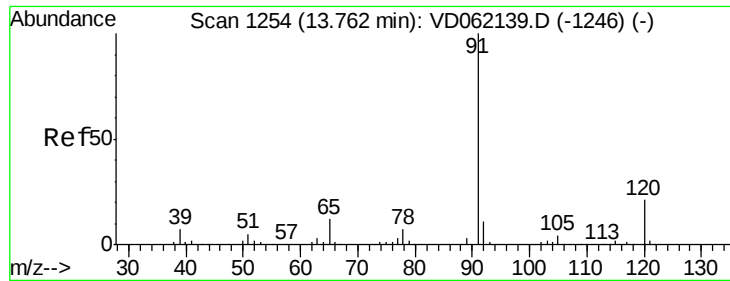
Tgt Ion: 75 Resp: 560

Ion Ratio Lower Upper

75 100

77 760.1 16.4 49.4#





#78

n-propylbenzene

Concen: 360.311 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

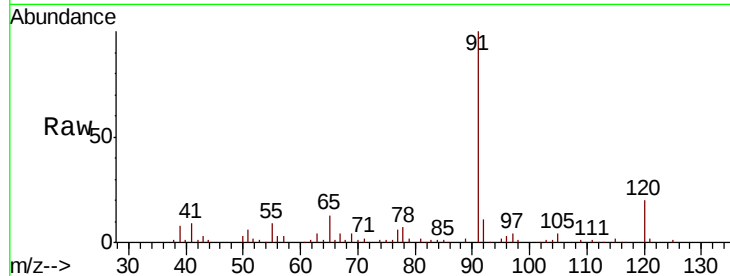
SB-03(25.5)

Tot Ion: 91 Resp: 113852

Ion Ratio Lower Upper

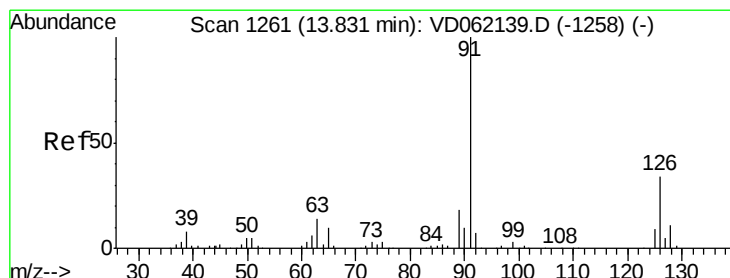
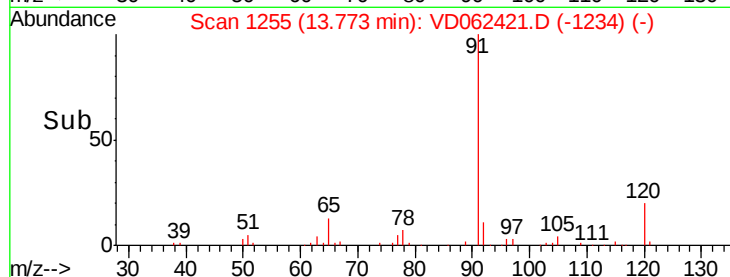
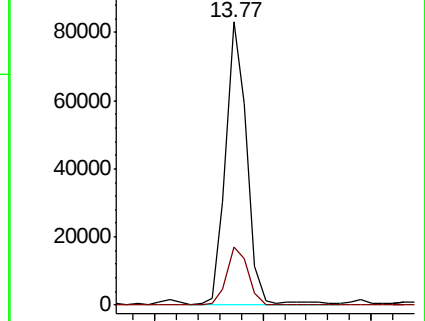
91 100

120 20.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 629.126 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. -0.06 min

Lab File: VD062421.D

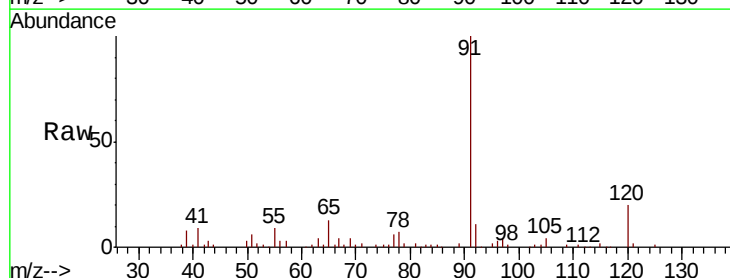
Acq: 16 May 2019 16:56

Tgt Ion: 91 Resp: 113852

Ion Ratio Lower Upper

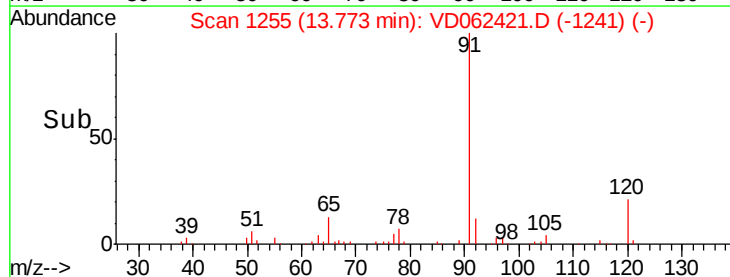
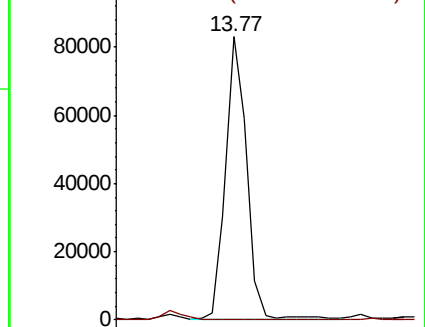
91 100

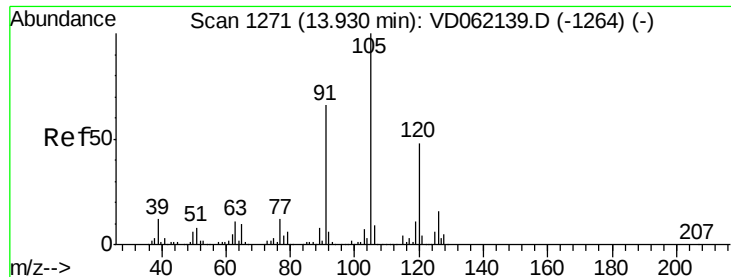
126 0.0 18.6 55.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

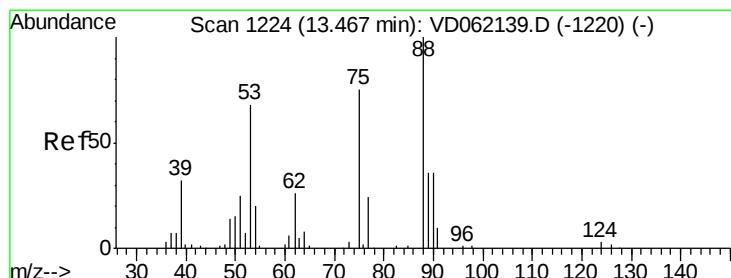
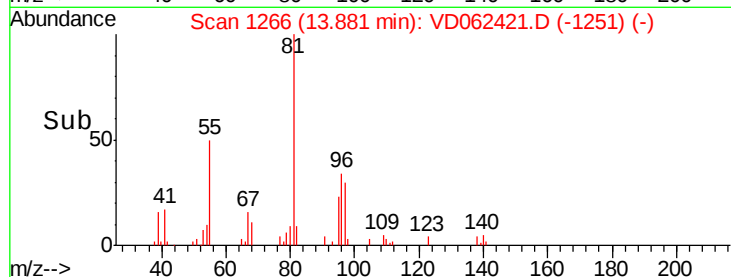
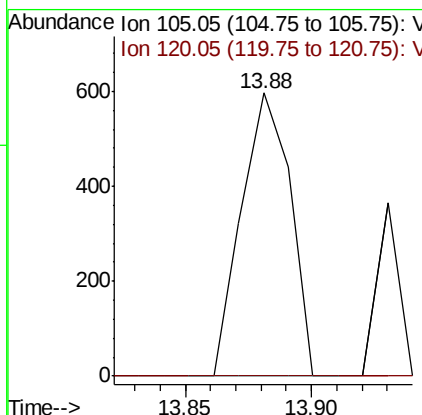
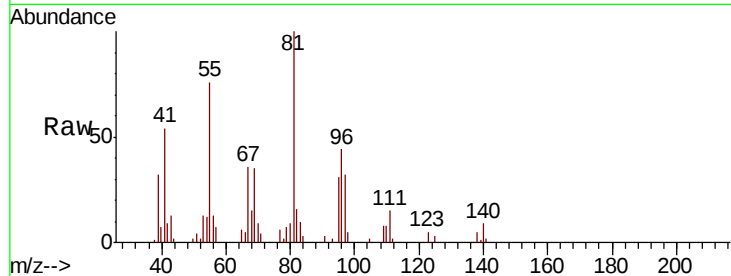




#80
 1,3,5-Trimethylbenzene
 Concen: 3.604 ug/l
 RT: 13.88 min Scan# 1266
 Delta R.T. -0.05 min
 Lab File: VD062421.D
 Acq: 16 May 2019 16:56

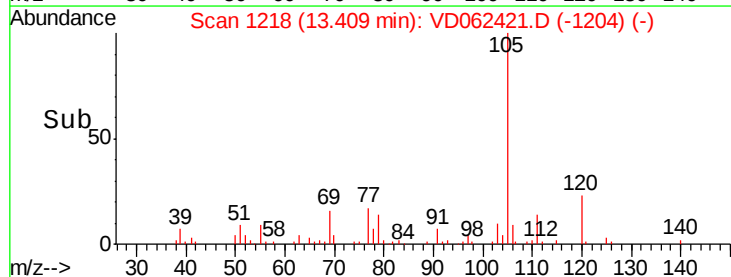
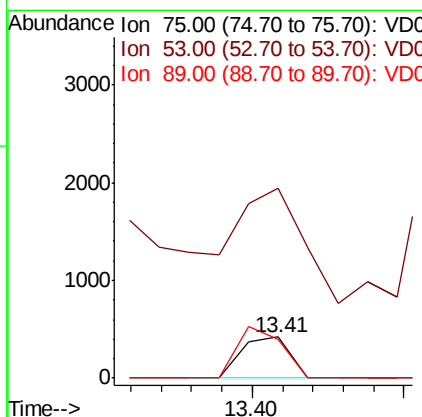
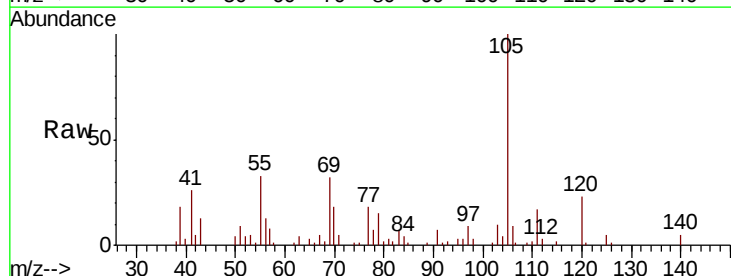
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03(25.5)

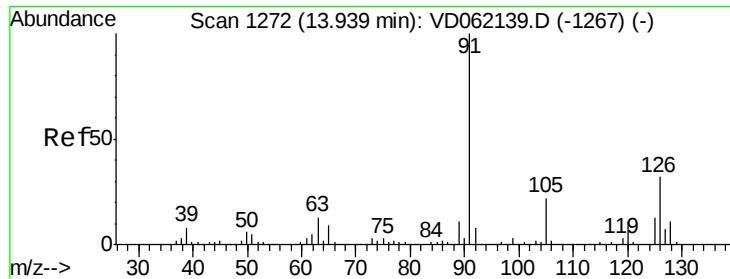
Tot Ion:105 Resp: 804
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.0 72.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 31.230 ug/l
 RT: 13.41 min Scan# 1218
 Delta R.T. -0.06 min
 Lab File: VD062421.D
 Acq: 16 May 2019 16:56

Tgt Ion: 75 Resp: 463
 Ion Ratio Lower Upper
 75 100
 53 465.4 65.8 98.8#
 89 95.5 35.0 52.6#

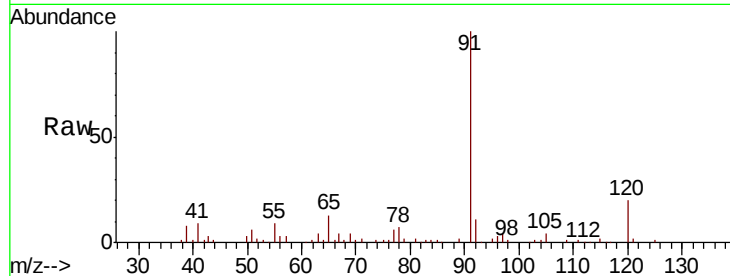




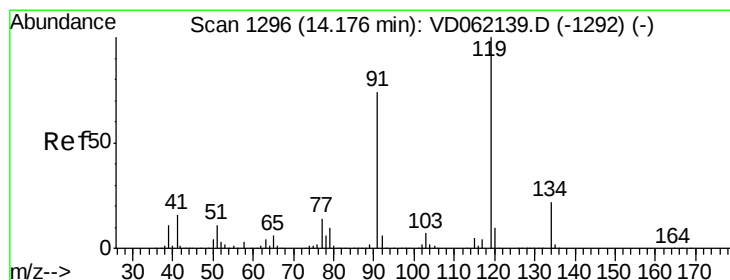
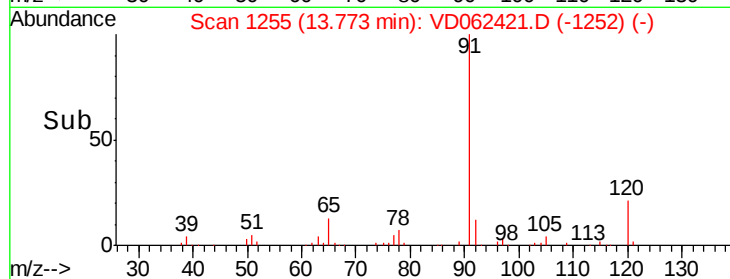
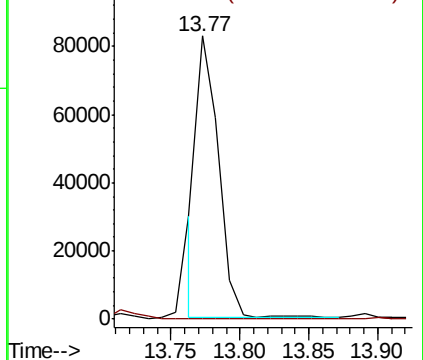
#82
4-Chlorotoluene
Concen: 429.038 ug/l
RT: 13.77 min Scan# 1255
Delta R.T. -0.17 min
Lab File: VD062421.D
Acq: 16 May 2019 16:56

Instrument :
MSVOA_D
ClientSampleId :
SB-03(25.5)

Tot Ion: 91 Resp: 91366
Ion Ratio Lower Upper
91 100
126 0.0 19.1 57.5#

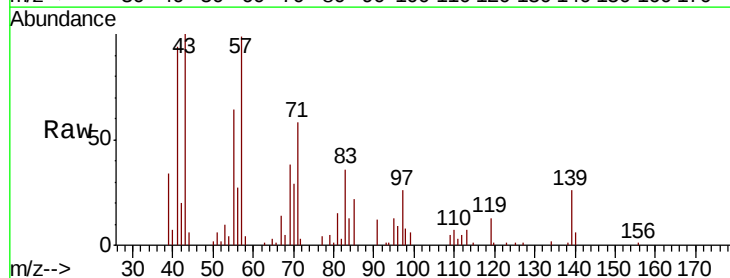


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

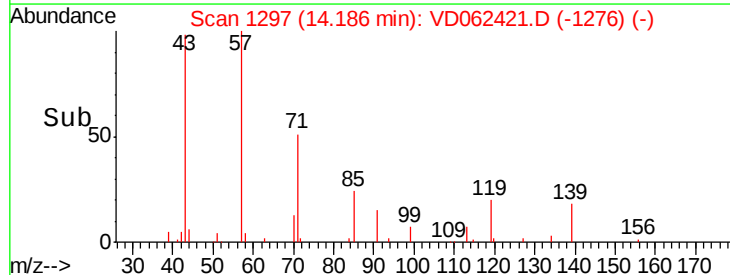
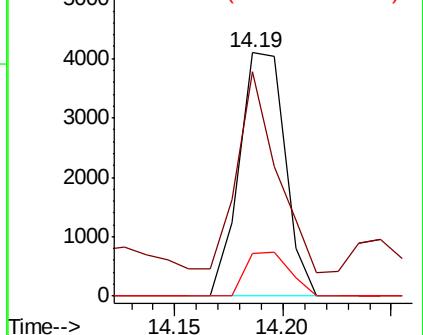


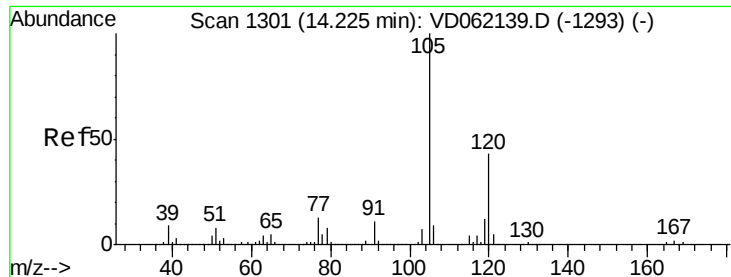
#83
tert-Butylbenzene
Concen: 23.944 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD062421.D
Acq: 16 May 2019 16:56

Tgt Ion: 119 Resp: 6003
Ion Ratio Lower Upper
119 100
91 92.0 34.2 102.6
134 17.3 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

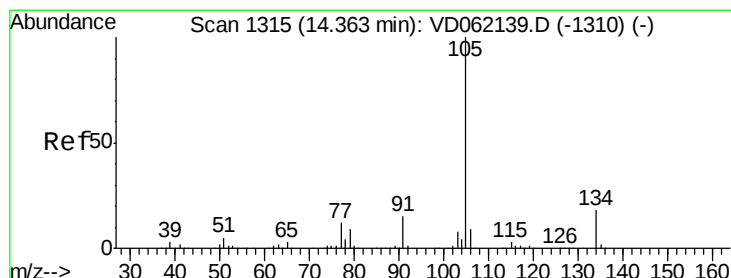
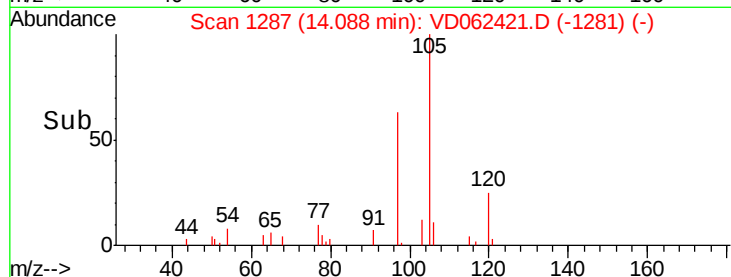
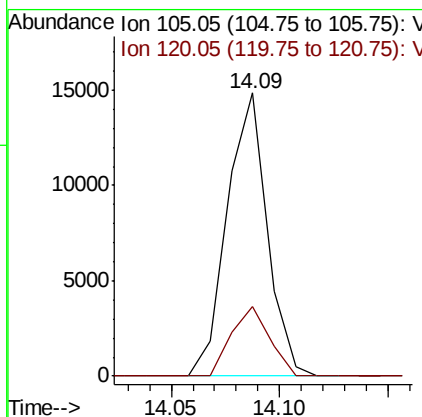
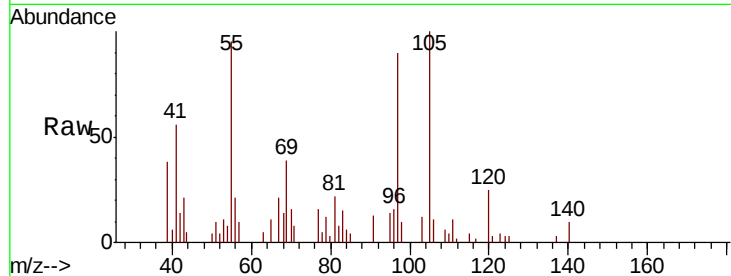




#84
 1,2,4-Trimethylbenzene
 Concen: 85.334 ug/l
 RT: 14.09 min Scan# 1287
 Delta R.T. -0.14 min
 Lab File: VD062421.D
 Acq: 16 May 2019 16:56

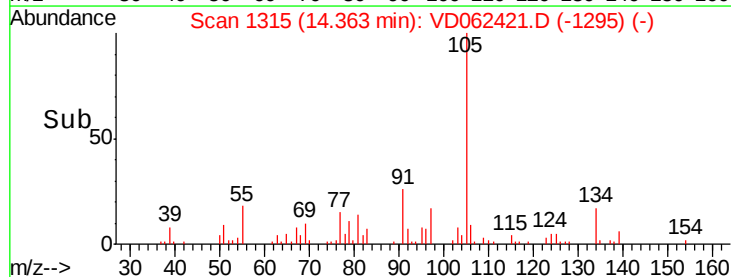
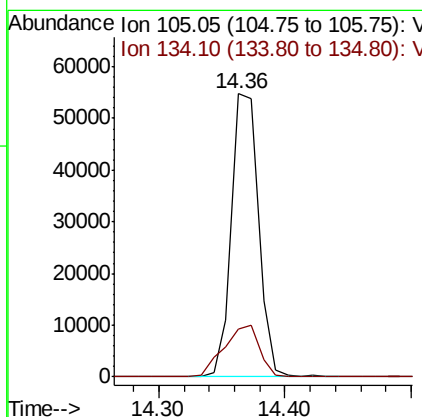
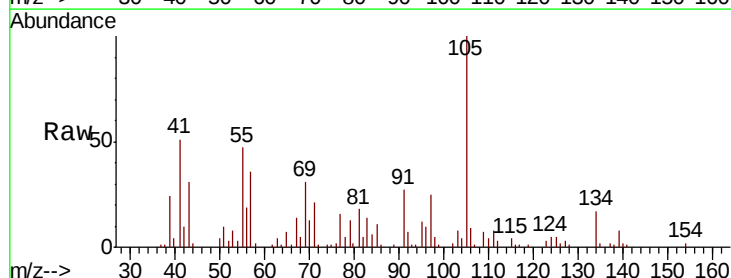
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03(25.5)

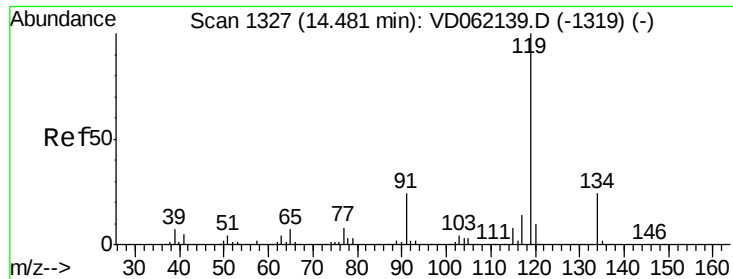
Tot Ion:105 Resp: 19101
 Ion Ratio Lower Upper
 105 100
 120 24.6 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 294.809 ug/l
 RT: 14.36 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062421.D
 Acq: 16 May 2019 16:56

Tgt Ion:105 Resp: 81039
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.9 26.7

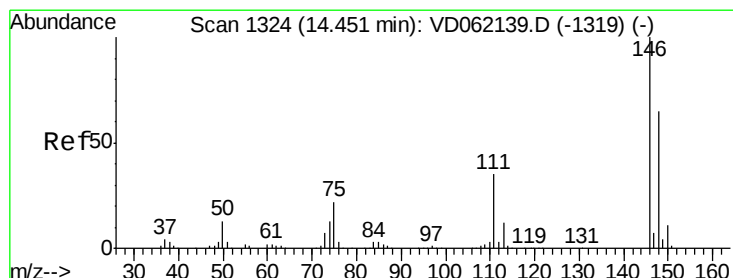
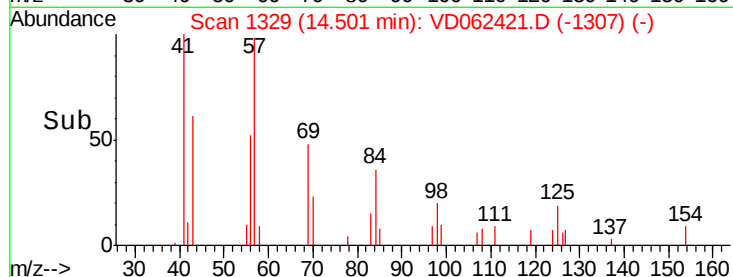
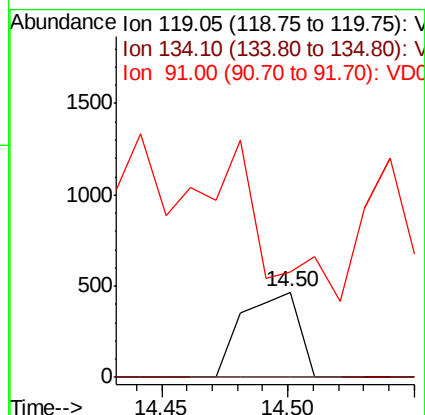
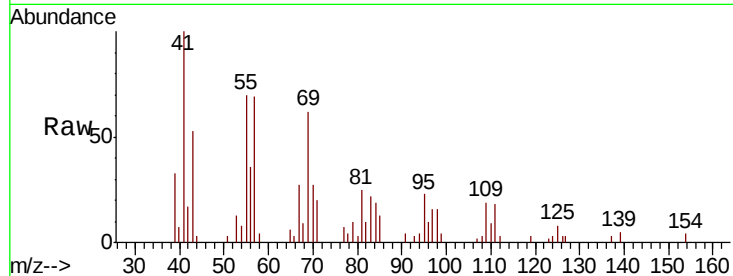




#86
 p-Isopropyltoluene
 Concen: 2.956 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD062421.D
 Acq: 16 May 2019 16:56

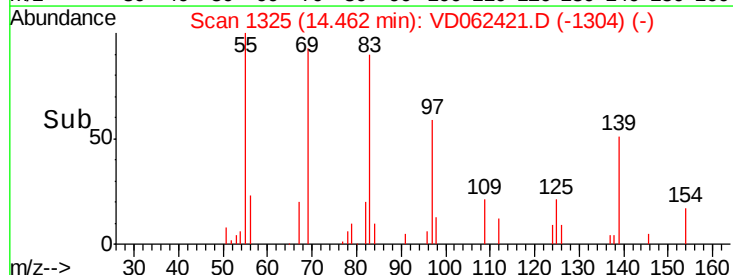
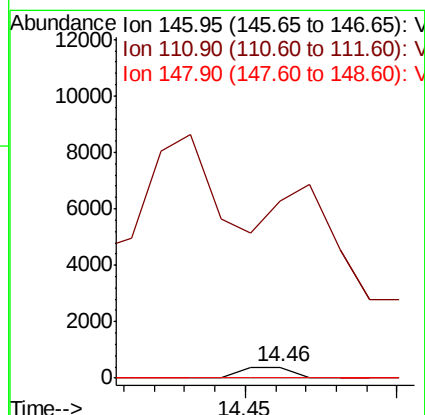
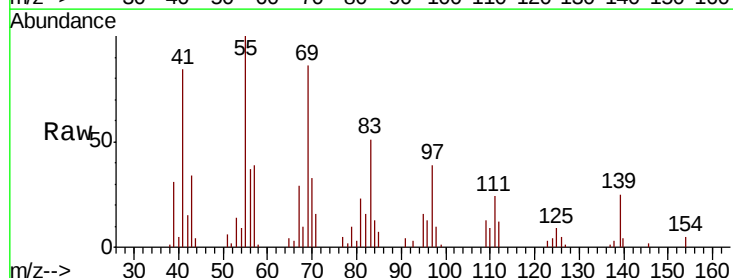
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03(25.5)

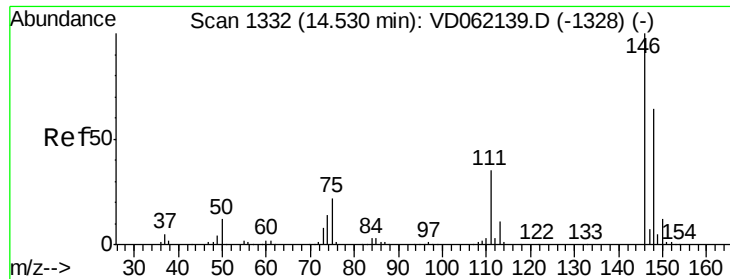
Tot Ion:119 Resp: 726
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.8 38.3#
 91 124.2 10.7 32.1#



#87
 1,3-Dichlorobenzene
 Concen: 3.403 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062421.D
 Acq: 16 May 2019 16:56

Tgt Ion:146 Resp: 461
 Ion Ratio Lower Upper
 146 100
 111 1574.9 20.0 60.0#
 148 0.0 31.8 95.4#





#88

1,4-Dichlorobenzene

Concen: 4.298 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

MSVOA_D

ClientSampleID :

SB-03(25.5)

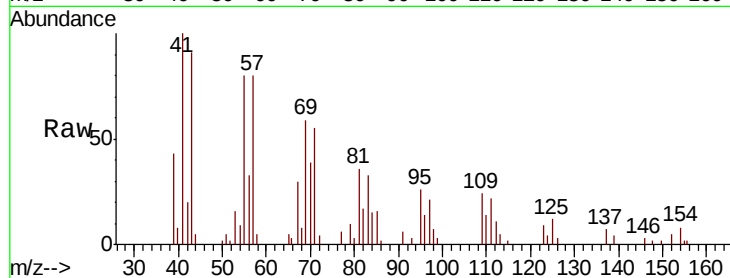
Tot Ion:146 Resp: 572

Ion Ratio Lower Upper

146 100

111 783.8 20.2 60.5#

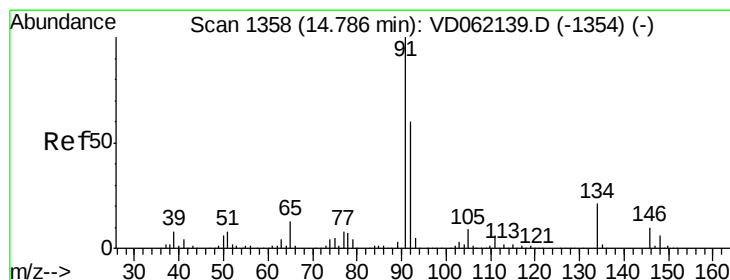
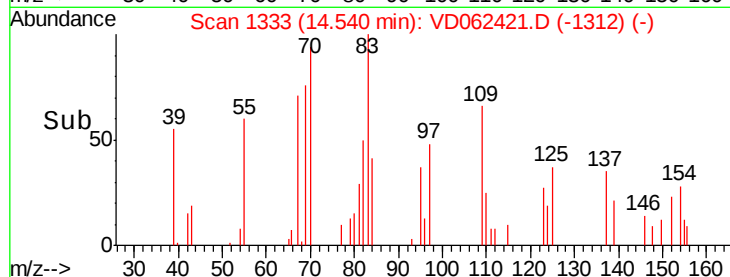
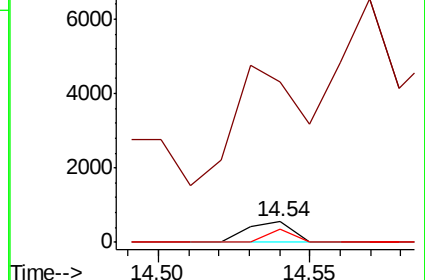
148 63.3 32.0 96.2



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: 291.890 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

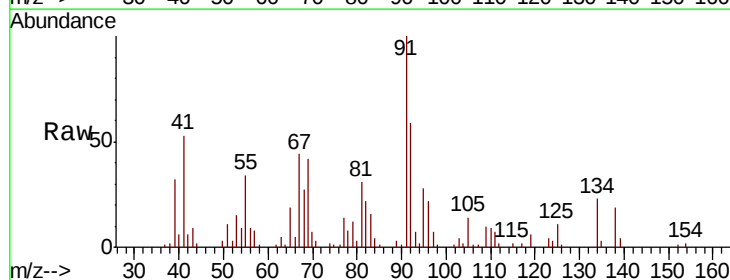
Tgt Ion: 91 Resp: 64344

Ion Ratio Lower Upper

91 100

92 58.9 30.3 91.0

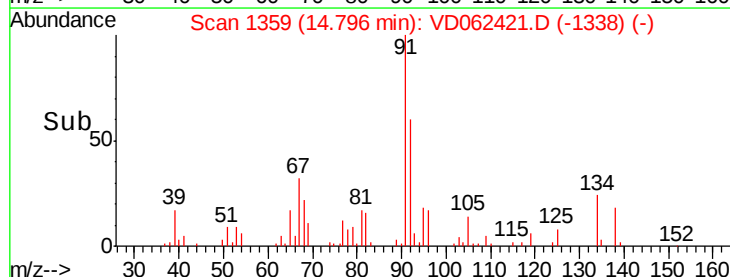
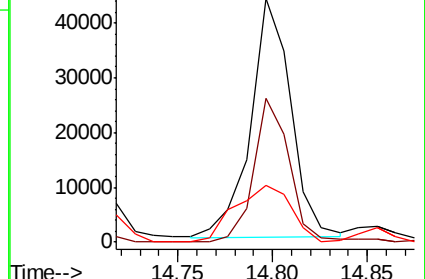
134 23.4 14.5 43.6

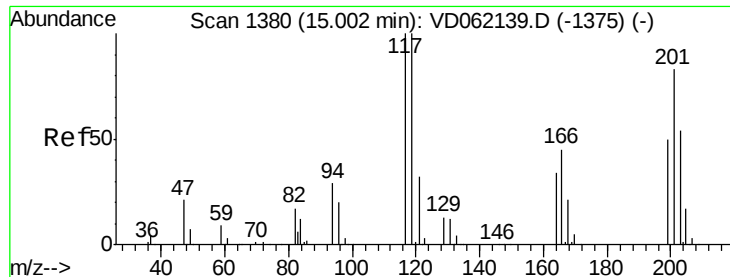


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V





#90

Hexachloroethane

Concen: 143.932 ug/l

RT: 15.05 min Scan# 1385

Delta R.T. 0.05 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

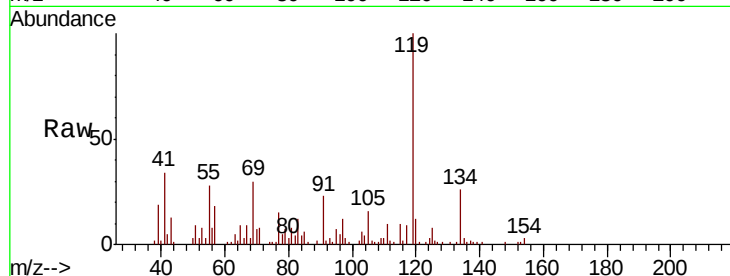
SB-03(25.5)

Tot Ion:117 Resp: 9613

Ion Ratio Lower Upper

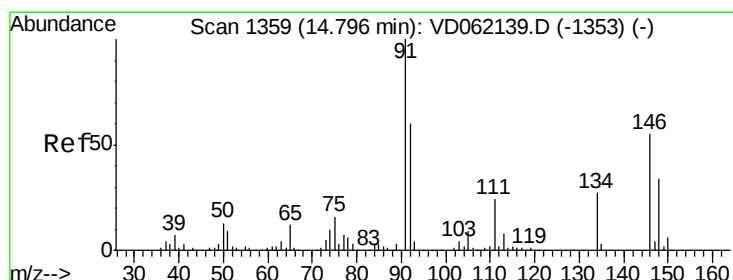
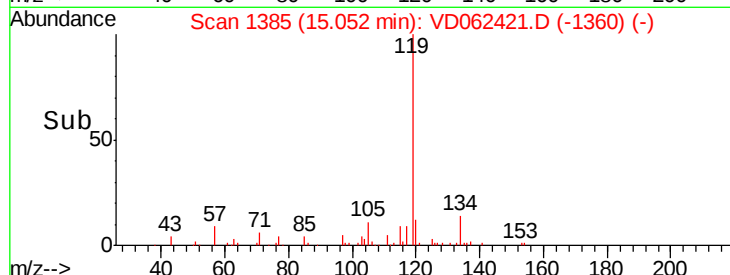
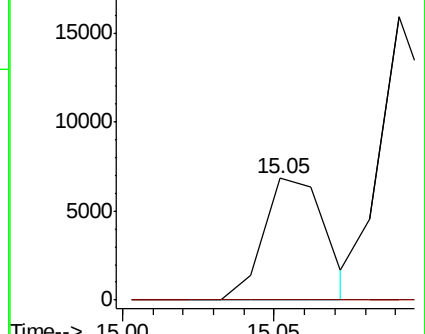
117 100

201 0.0 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: 14.853 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.02 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

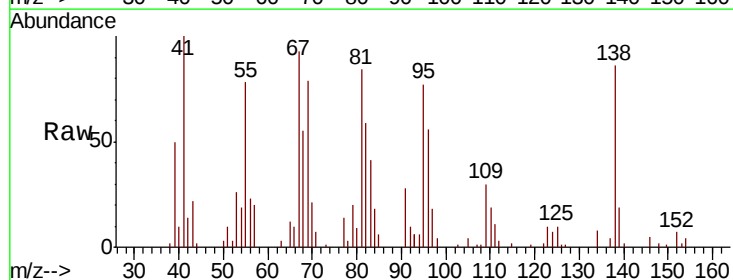
Tgt Ion:146 Resp: 1657

Ion Ratio Lower Upper

146 100

111 223.7 20.0 59.9#

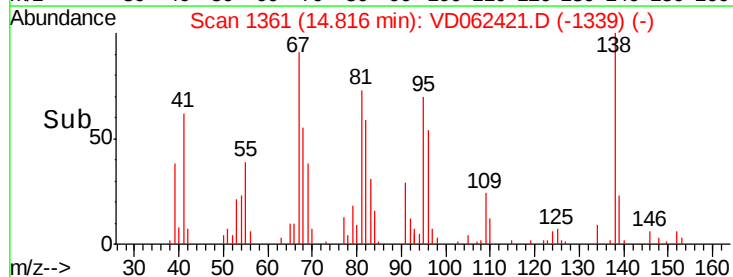
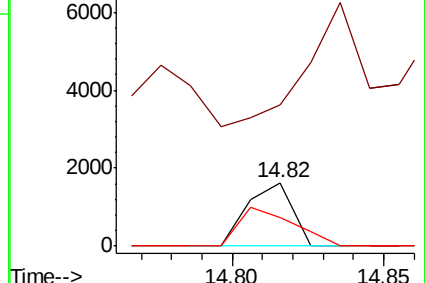
148 45.5 32.3 96.8

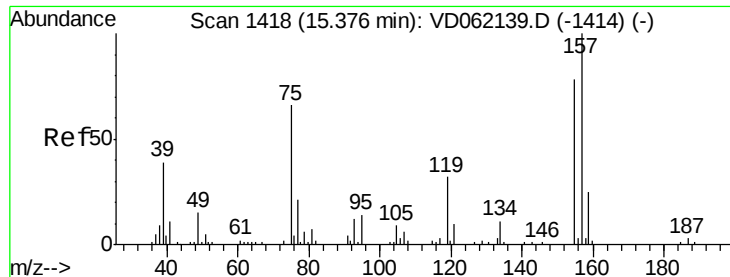


Abundance Ion 145.95 (145.65 to 146.65): V

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: 25.997 ug/l

RT: 15.35 min Scan# 1415

Delta R.T. -0.03 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

SB-03(25.5)

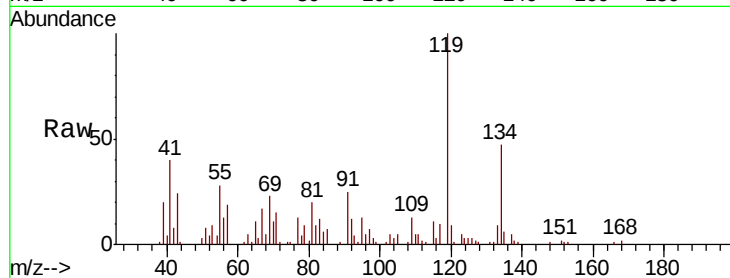
Tot Ion: 75 Resp: 214

Ion Ratio Lower Upper

75 100

155 0.0 55.3 165.8#

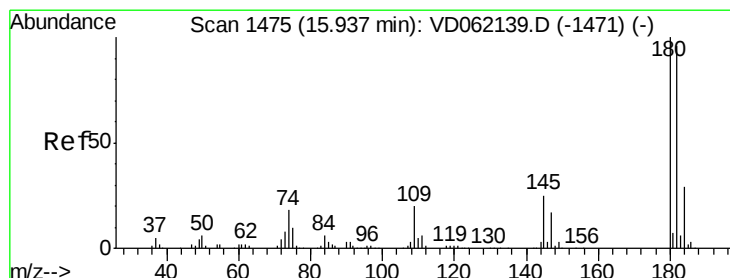
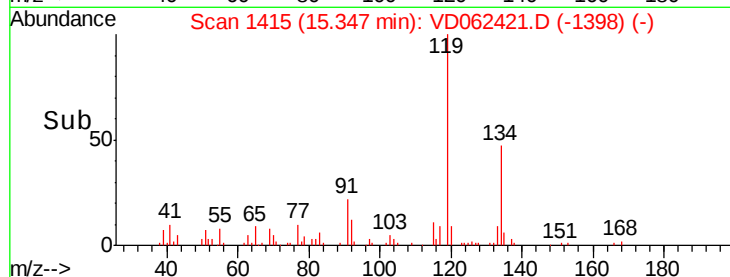
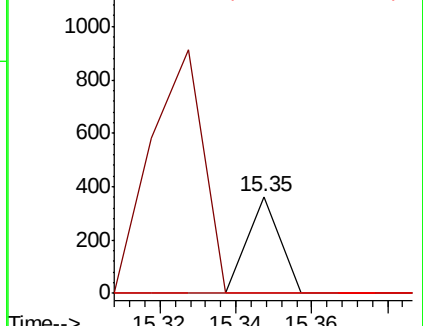
157 0.0 67.8 203.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#93

1,2,4-Trichlorobenzene

Concen: 10.234 ug/l

RT: 15.95 min Scan# 1476

Delta R.T. 0.01 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

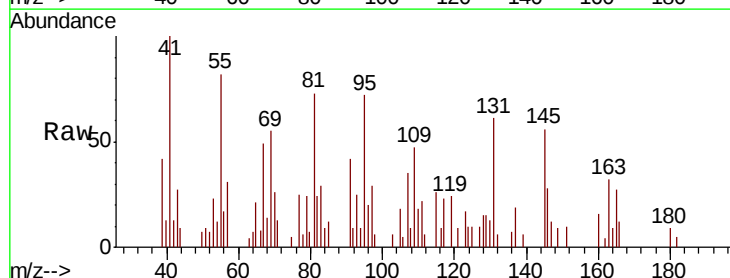
Tgt Ion: 180 Resp: 831

Ion Ratio Lower Upper

180 100

182 59.1 49.3 147.8

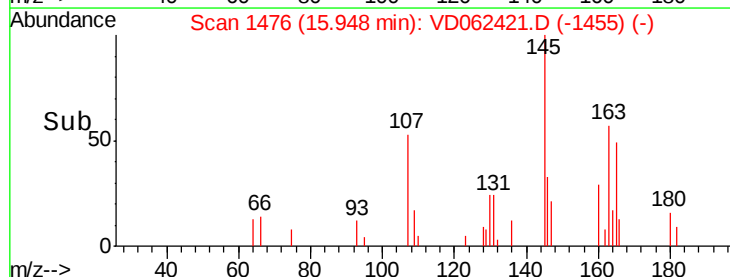
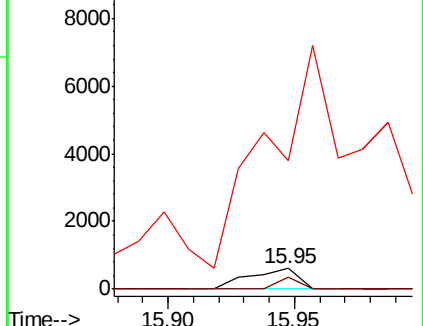
145 623.1 16.2 48.6#

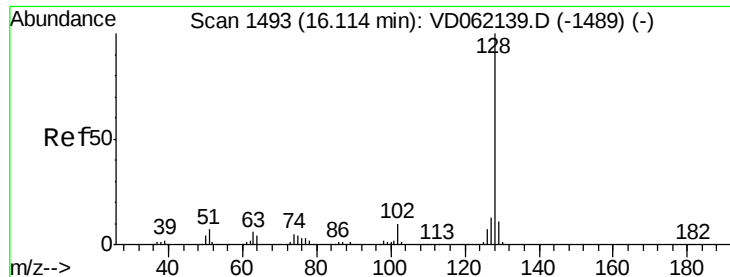


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95

Naphthalene

Concen: 153.525 ug/l

RT: 16.12 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

SB-03(25.5)

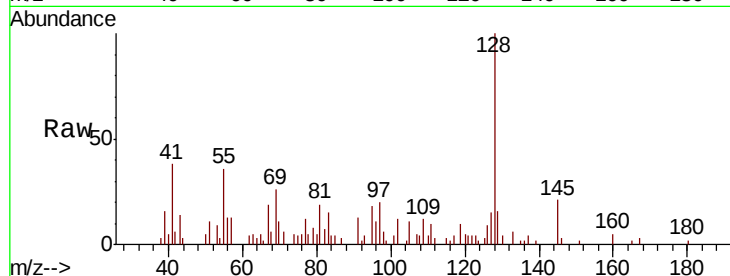
Tot Ion:128 Resp: 17404

Ion Ratio Lower Upper

128 100

127 15.4 9.8 14.8#

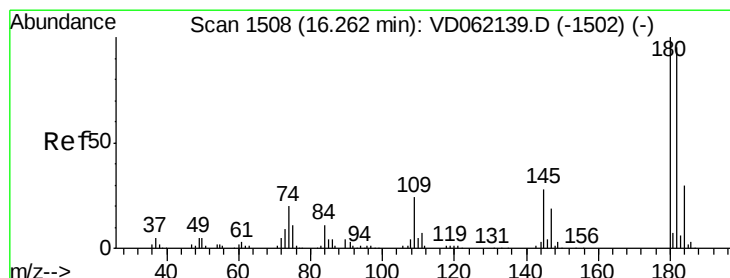
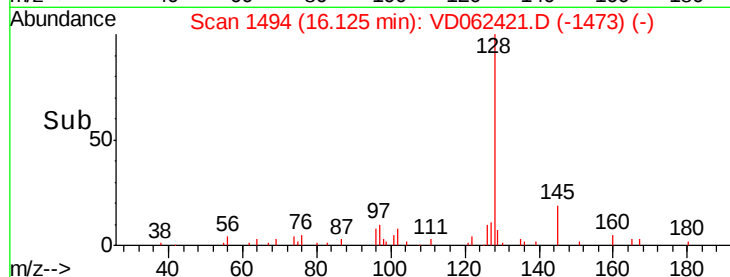
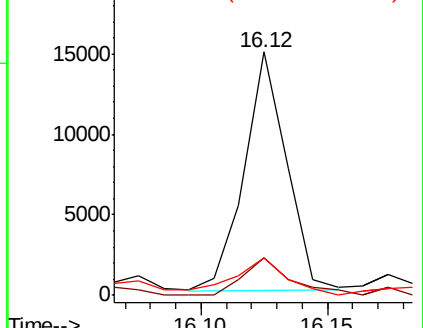
129 15.5 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.292 ug/l

RT: 16.27 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD062421.D

Acq: 16 May 2019 16:56

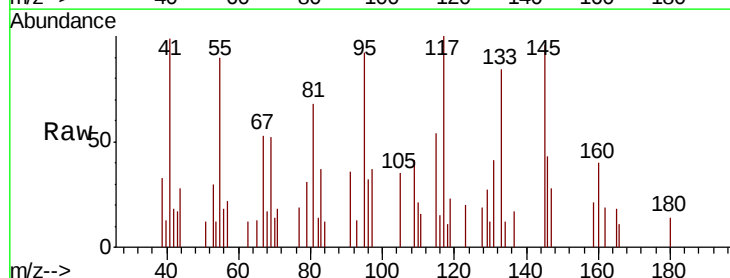
Tgt Ion:180 Resp: 1087

Ion Ratio Lower Upper

180 100

182 0.0 47.0 141.0#

145 686.9 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

