

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062291.D
 Acq On : 13 May 2019 7:27
 Operator : FY/SY
 Sample : K2760-02
 Misc : 4.56g/5mL/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-0D015-03-005

Quant Time: May 13 08:37:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	415978	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	629630	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.37	117	538224	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	245866	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	262330	67.86	ug/l	0.05
Spiked Amount			Recovery	=	135.72%	
35) Dibromofluoromethane	7.05	113	180	0.03	ug/l	0.16
Spiked Amount			Recovery	=	0.06%	
50) Toluene-d8	10.43	98	560859	44.53	ug/l	0.03
Spiked Amount			Recovery	=	89.06%	
62) 4-Bromofluorobenzene	13.57	95	226995	44.88	ug/l	0.02
Spiked Amount			Recovery	=	89.76%	

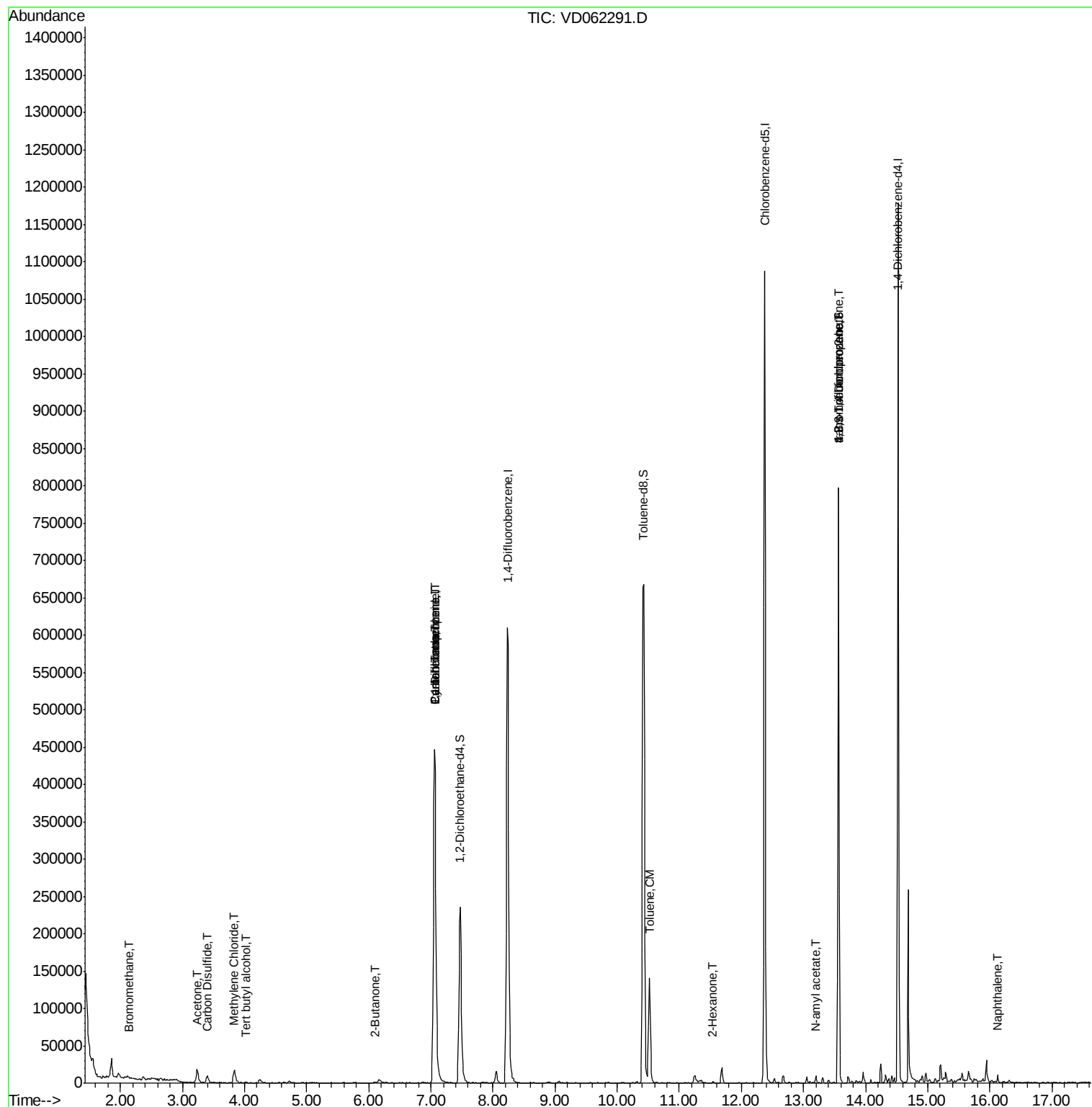
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	1442	2.178	ug/l #	12
11) Tert butyl alcohol	4.03	59	603	3.056	ug/l #	76
16) Acetone	3.23	43	33630	41.483	ug/l #	74
17) Carbon Disulfide	3.40	76	16533	1.812	ug/l #	94
20) Methylene Chloride	3.83	84	11572	3.419	ug/l	90
25) 2-Butanone	6.10	43	3926	4.440	ug/l #	56
31) Cyclohexane	7.06	56	10076	2.484	ug/l #	7
36) 1,1-Dichloropropene	7.06	75	35574	6.891	ug/l #	47
38) Carbon Tetrachloride	7.06	117	43359	6.068	ug/l #	16
52) Toluene	10.51	92	71944	9.485	ug/l	99
59) 2-Hexanone	11.54	43	2317	1.575	ug/l	81
74) N-amyl acetate	13.20	43	6081	1.574	ug/l #	49
76) 1,2,3-Trichloropropane	13.57	75	90787	31.071	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.57	75	100685	122.061	ug/l #	16
95) Naphthalene	16.12	128	7334	1.163	ug/l #	95

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

Instrument :

MSVOA_D

ClientSampleId :

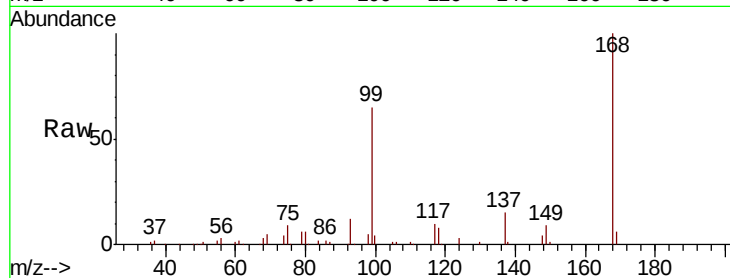
FK-0D015-03-005

Tot Ion:168 Resp: 415978

Ion Ratio Lower Upper

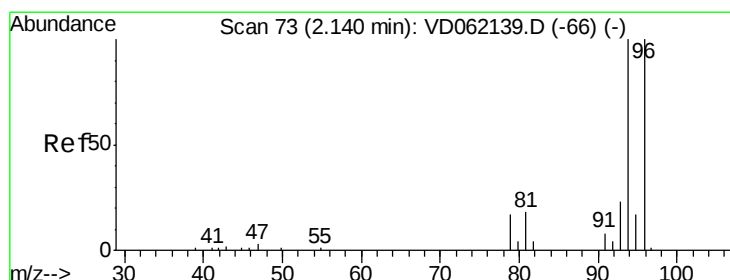
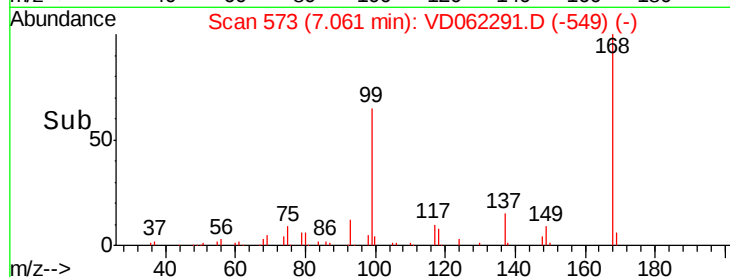
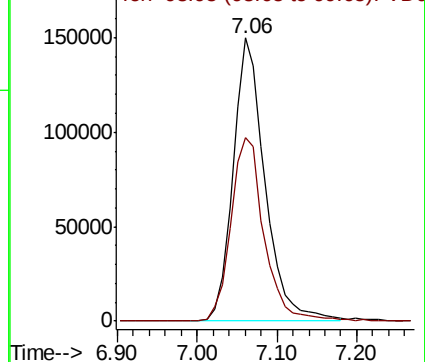
168 100

99 64.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.178 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

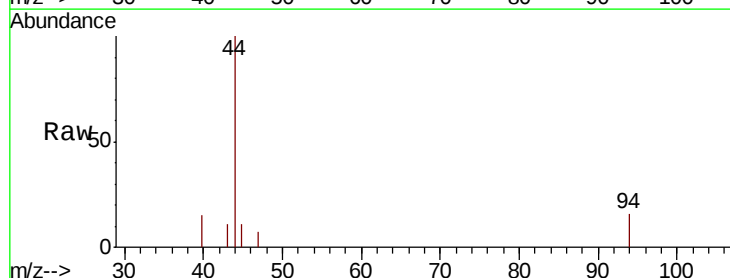
Tgt Ion: 94 Resp: 1442

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

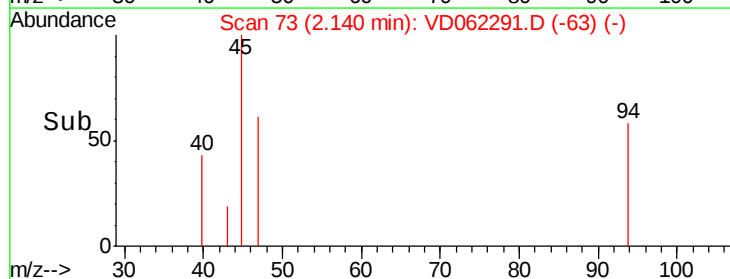
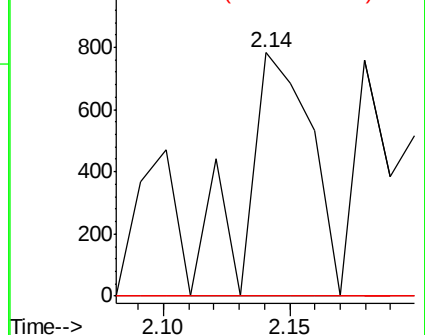
93 0.0 18.5 27.7#

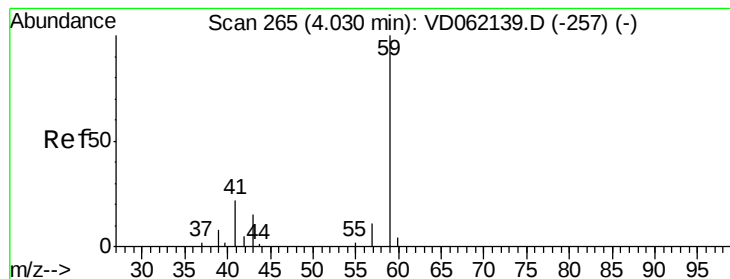


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



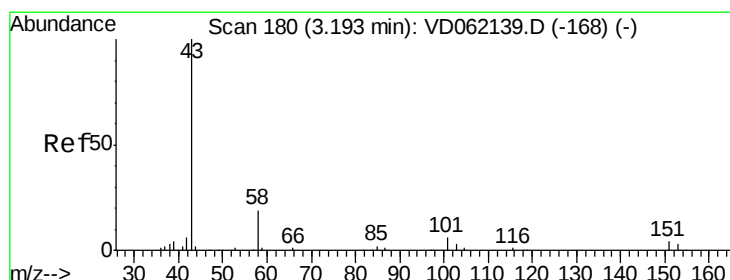
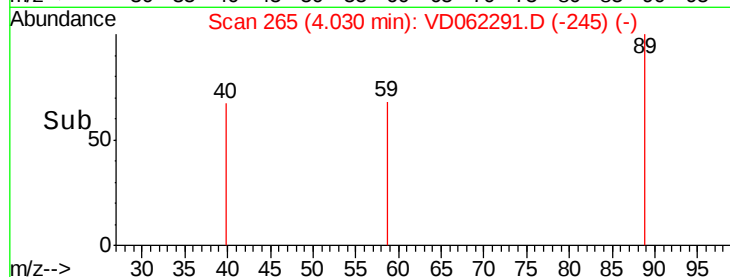
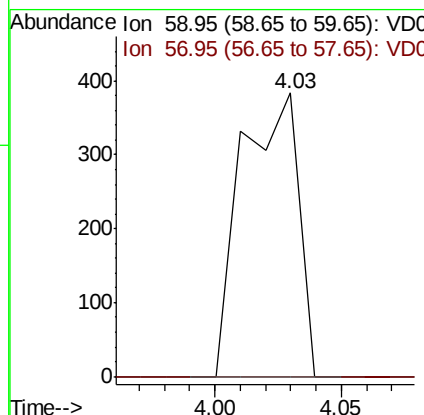
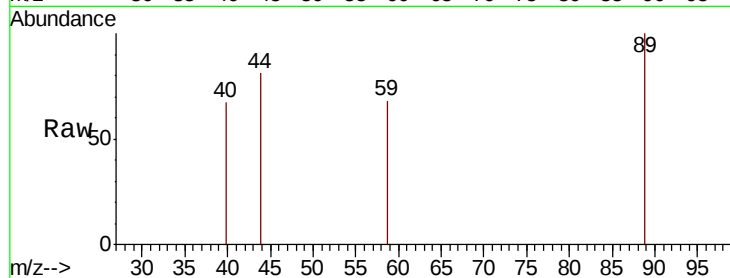


#11

Tert butyl alcohol
 Concen: 3.056 ug/l
 RT: 4.03 min Scan# 265
 Delta R.T. 0.00 min
 Lab File: VD062291.D
 Acq: 13 May 2019 7:27

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-0D015-03-005

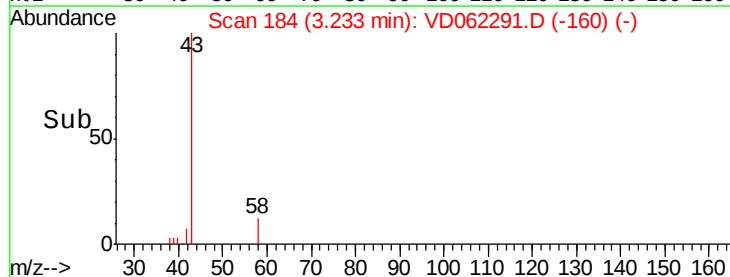
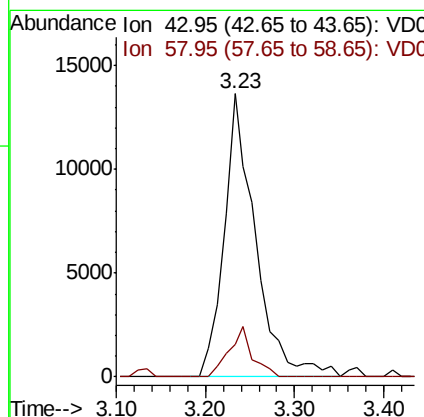
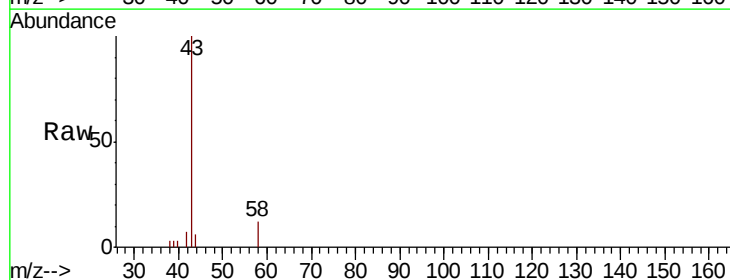
Tot Ion: 59 Resp: 603
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#

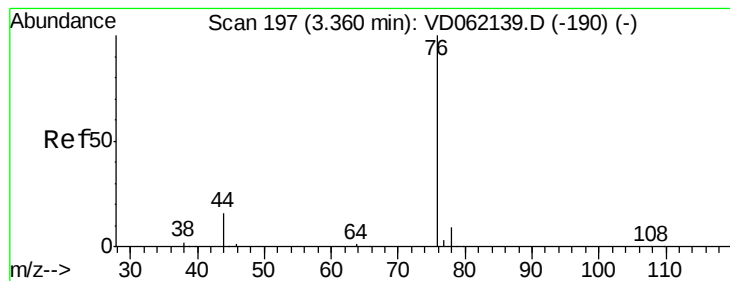


#16

Acetone
 Concen: 41.483 ug/l
 RT: 3.23 min Scan# 184
 Delta R.T. 0.04 min
 Lab File: VD062291.D
 Acq: 13 May 2019 7:27

Tgt Ion: 43 Resp: 33630
 Ion Ratio Lower Upper
 43 100
 58 11.7 19.9 29.9#





#17

Carbon Disulfide

Concen: 1.812 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.04 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

Instrument :

MSVOA_D

ClientSampleId :

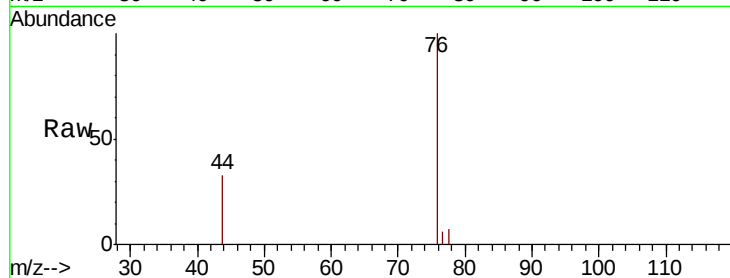
FK-0D015-03-005

Tot Ion: 76 Resp: 16533

Ion Ratio Lower Upper

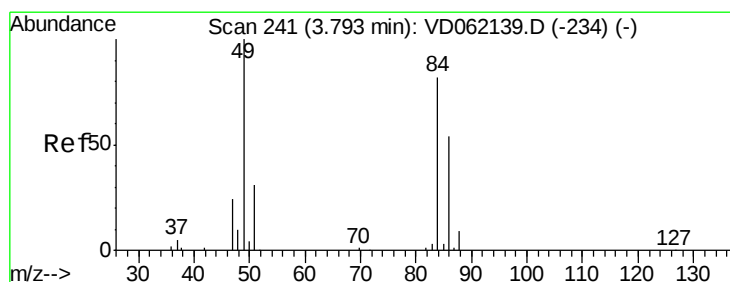
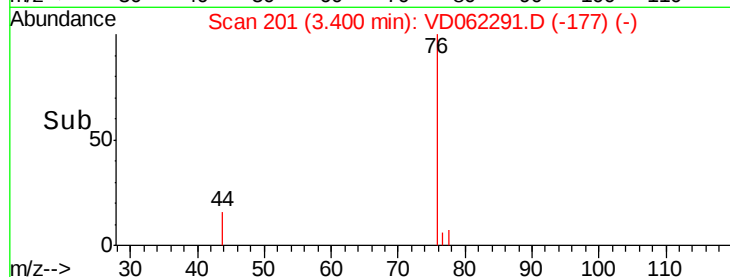
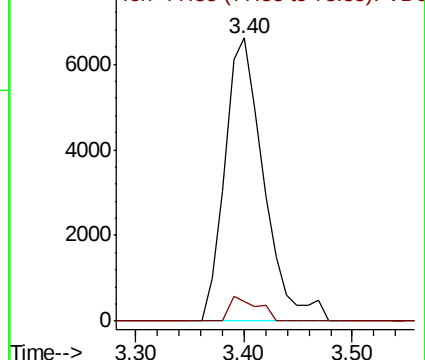
76 100

78 6.8 7.2 10.8#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 3.419 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

Tgt Ion: 84 Resp: 11572

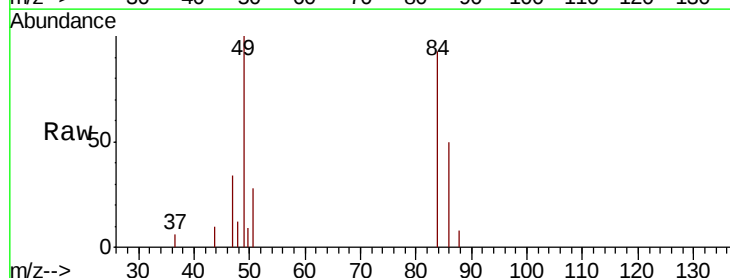
Ion Ratio Lower Upper

84 100

49 107.4 94.0 141.0

51 29.6 29.0 43.4

86 53.3 49.8 74.6

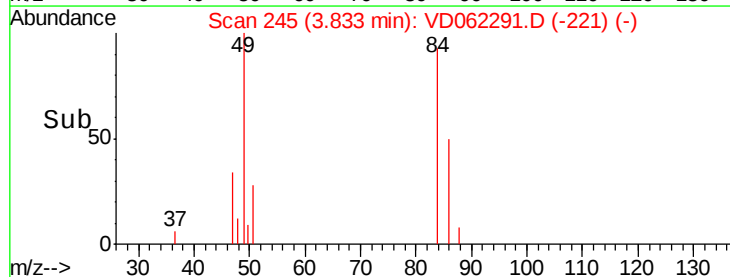
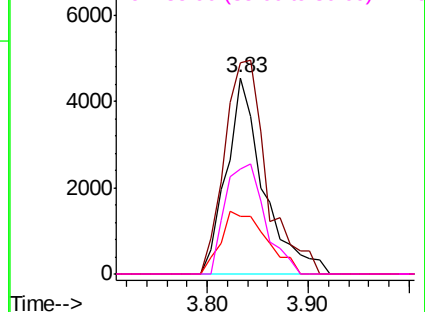


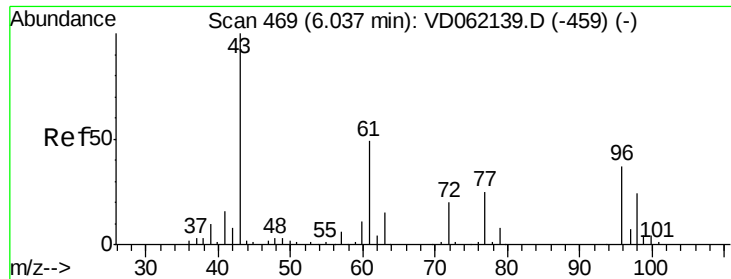
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 4.440 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.06 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

Instrument :

MSVOA_D

ClientSampleId :

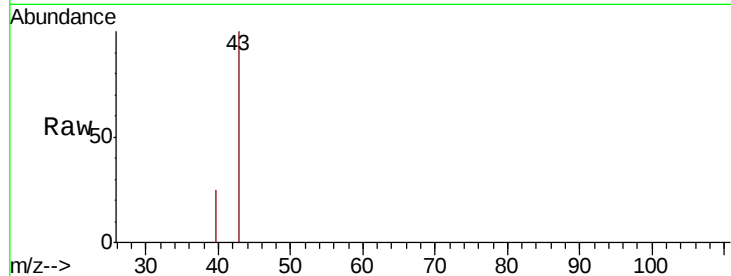
FK-0D015-03-005

Tot Ion: 43 Resp: 3926

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

6.10

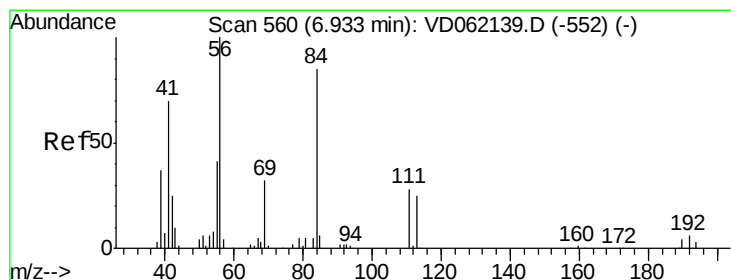
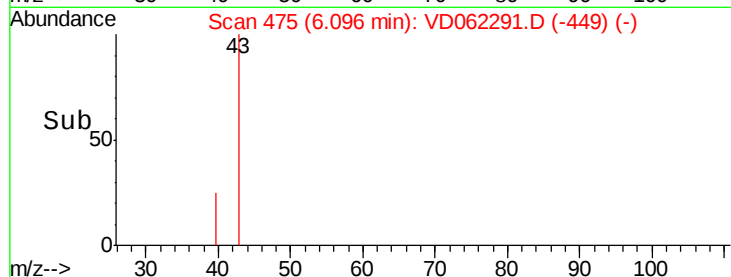
1500

1000

500

0

Time--> 6.00 6.05 6.10 6.15



#31

Cyclohexane

Concen: 2.484 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

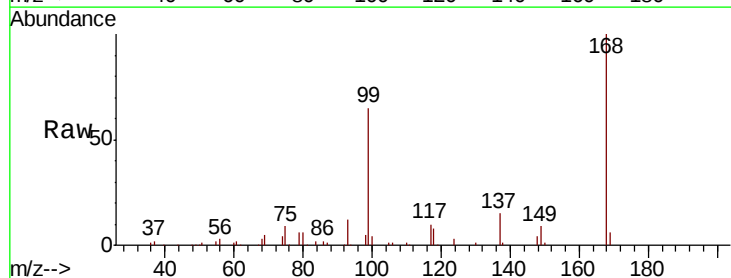
Tgt Ion: 56 Resp: 10076

Ion Ratio Lower Upper

56 100

69 179.4 25.8 38.6#

84 60.4 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

8000

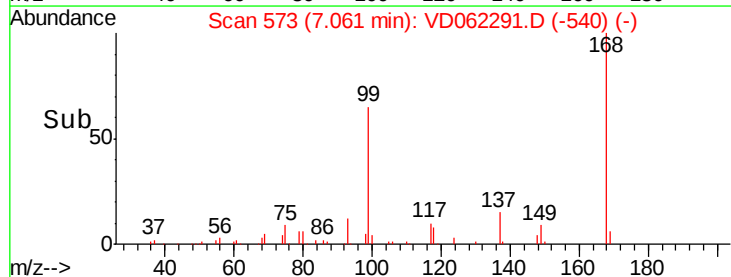
6000

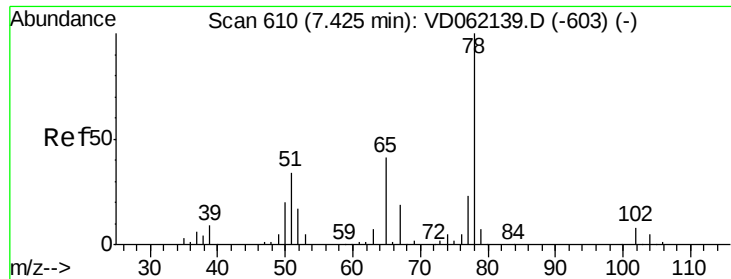
4000

2000

0

Time--> 6.95 7.00 7.05 7.10 7.15





#33

1,2-Dichloroethane-d4

Concen: 67.860 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

Instrument :

MSVOA_D

ClientSampleId :

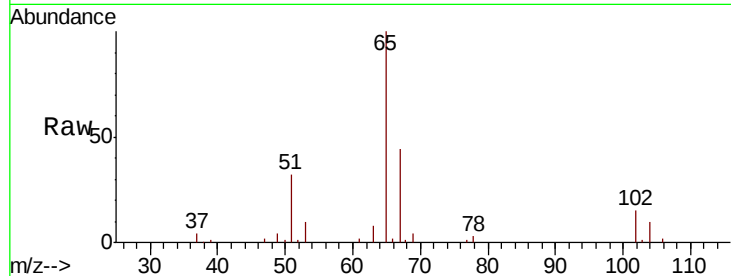
FK-0D015-03-005

Tot Ion: 65 Resp: 262330

Ion Ratio Lower Upper

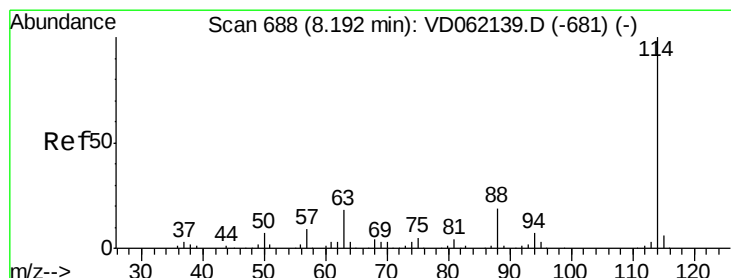
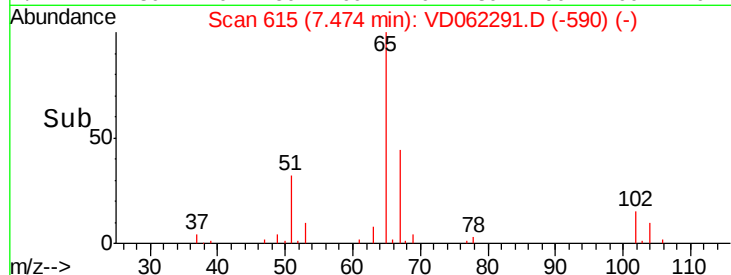
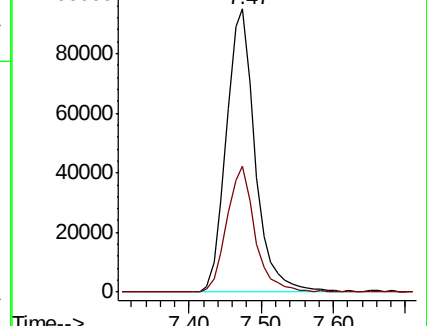
65 100

67 44.4 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: 8.24 min Scan# 693

Delta R.T. 0.05 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

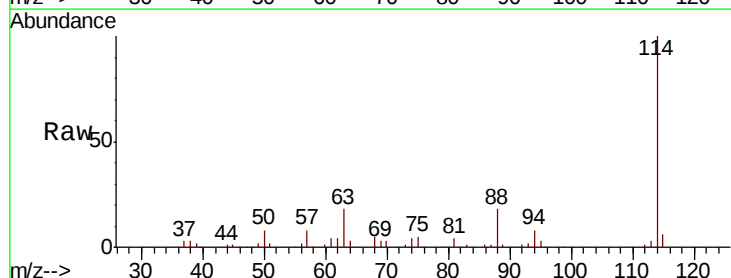
Tgt Ion: 114 Resp: 629630

Ion Ratio Lower Upper

114 100

63 18.1 0.0 32.4

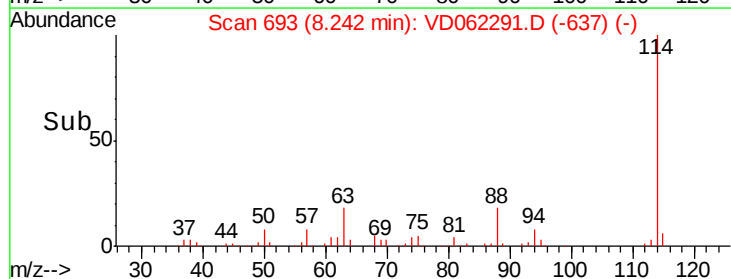
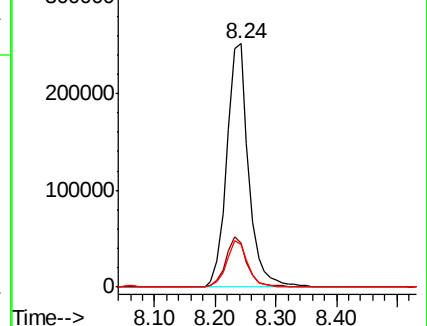
88 17.7 0.0 33.6

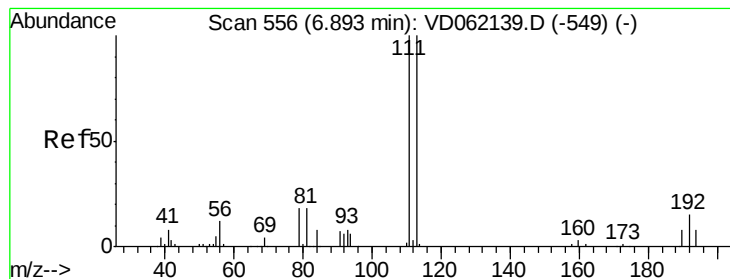


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 0.034 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.16 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-005

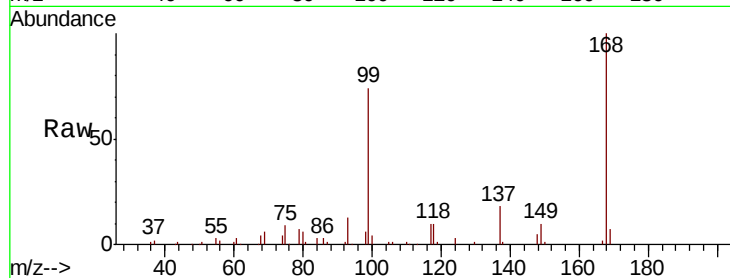
Tot Ion:113 Resp: 180

Ion Ratio Lower Upper

113 100

111 117.0 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

500

400

300

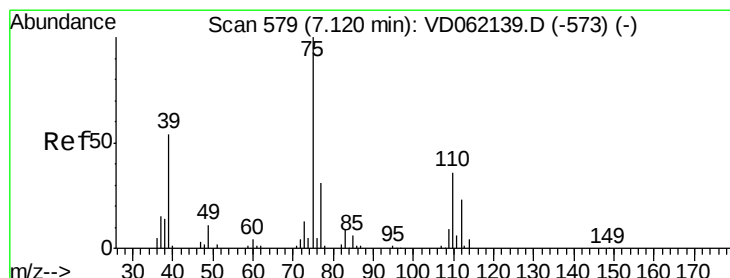
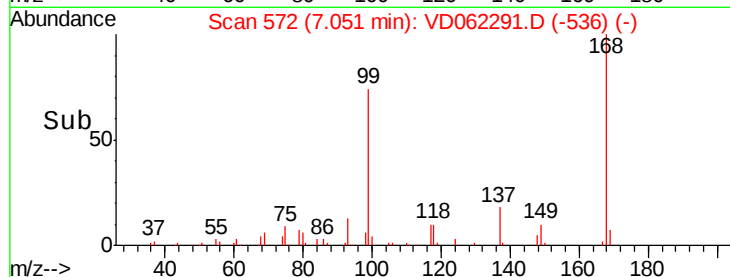
200

100

0

7.02 7.04 7.06 7.08

Time-->



#36

1,1-Dichloropropene

Concen: 6.891 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

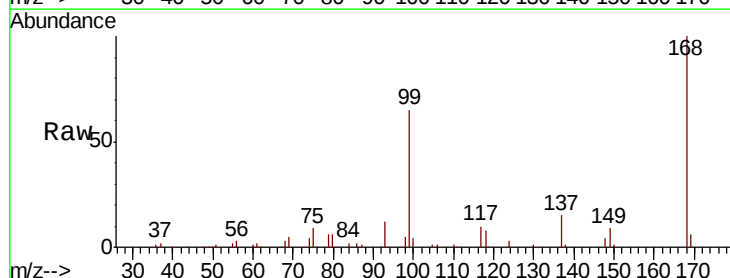
Tgt Ion: 75 Resp: 35574

Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.1#

77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

15000

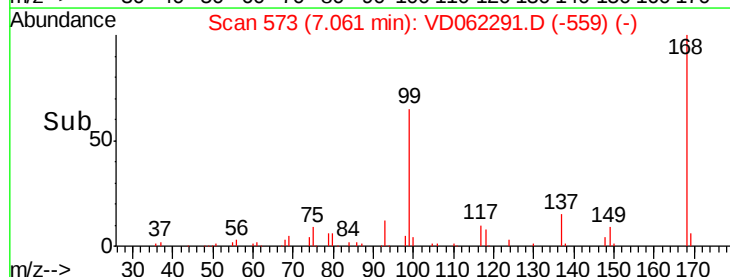
10000

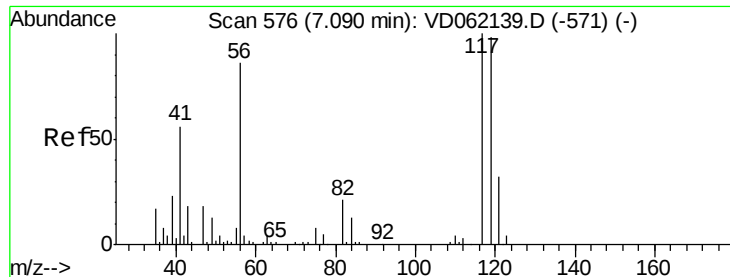
5000

0

7.00 7.10 7.20

Time-->

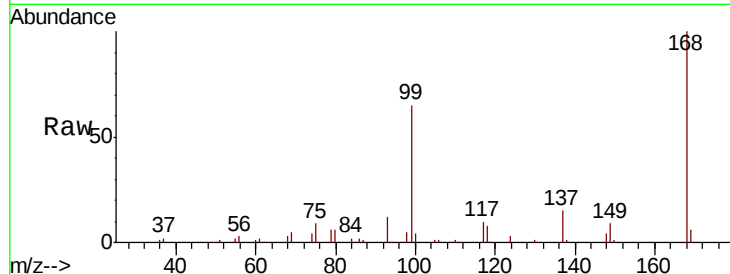




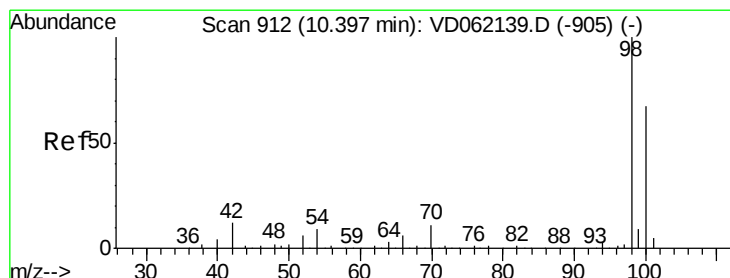
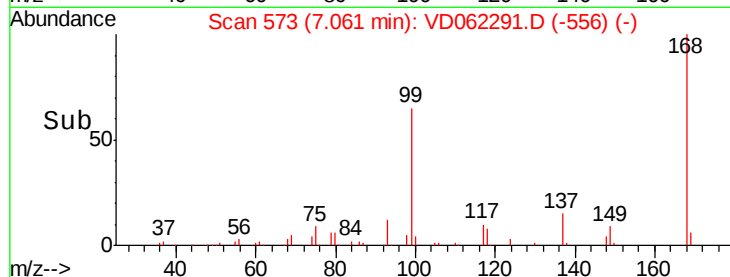
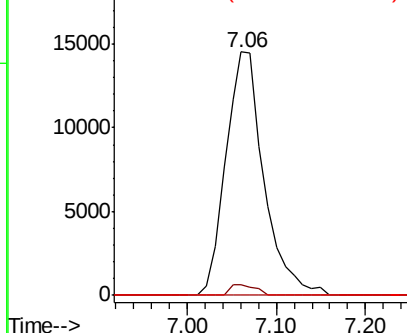
#38
Carbon Tetrachloride
Concen: 6.068 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.03 min
Lab File: VD062291.D
Acq: 13 May 2019 7:27

Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-005

Tot Ion:117 Resp: 43359
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.8#
121 0.0 25.9 38.9#

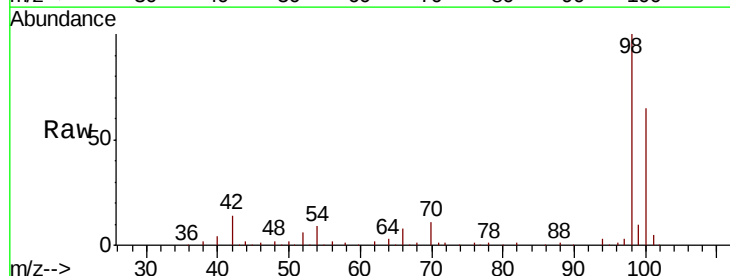


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

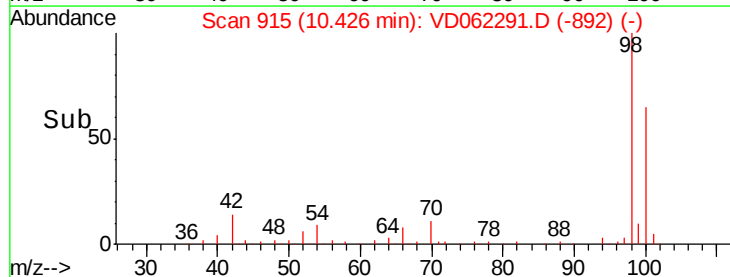
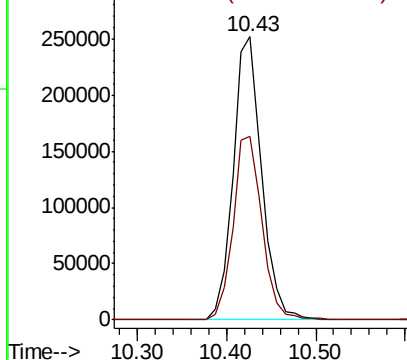


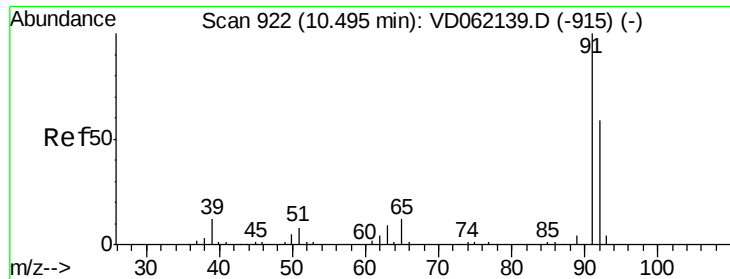
#50
Toluene-d8
Concen: 44.528 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062291.D
Acq: 13 May 2019 7:27

Tgt Ion: 98 Resp: 560859
Ion Ratio Lower Upper
98 100
100 65.0 53.8 80.8



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





#52

Toluene

Concen: 9.485 ug/l

RT: 10.51 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

Instrument :

MSVOA_D

ClientSampleId :

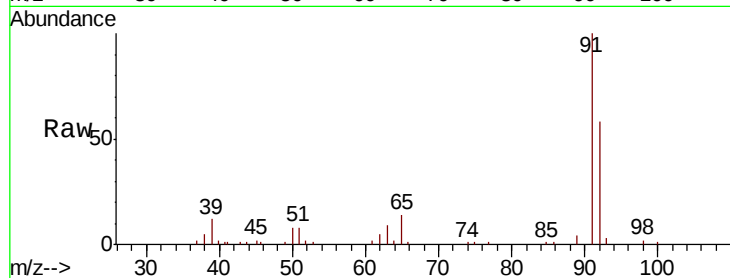
FK-0D015-03-005

Tot Ion: 92 Resp: 71944

Ion Ratio Lower Upper

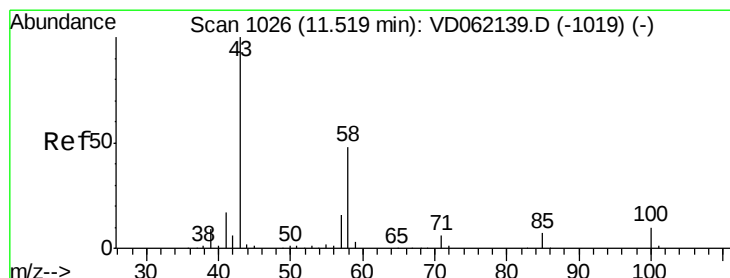
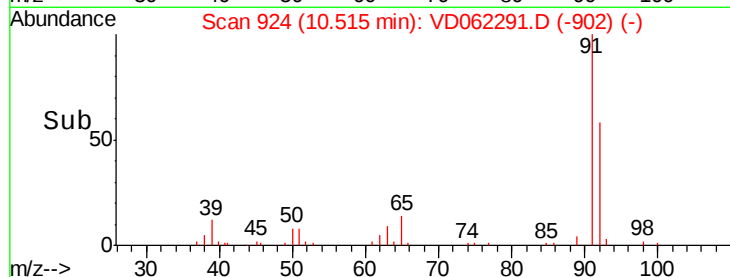
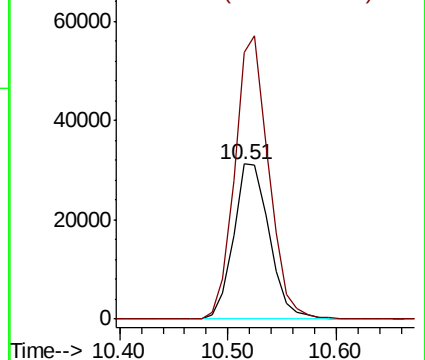
92 100

91 172.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#59

2-Hexanone

Concen: 1.575 ug/l

RT: 11.54 min Scan# 1028

Delta R.T. 0.02 min

Lab File: VD062291.D

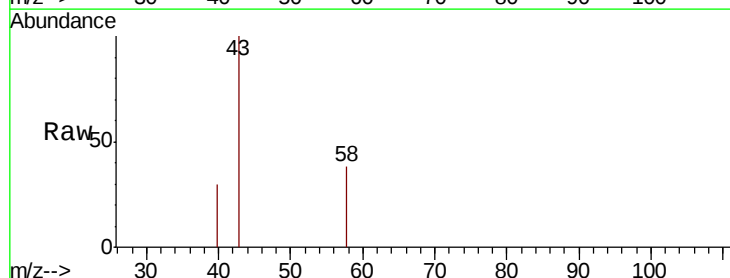
Acq: 13 May 2019 7:27

Tgt Ion: 43 Resp: 2317

Ion Ratio Lower Upper

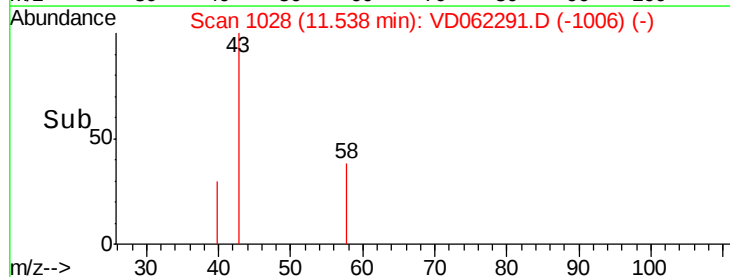
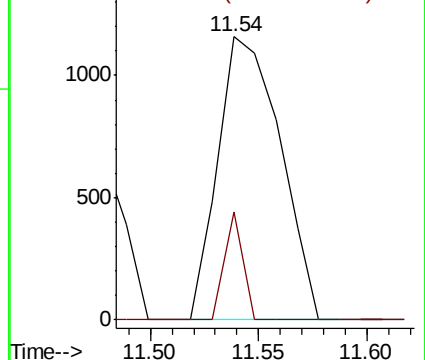
43 100

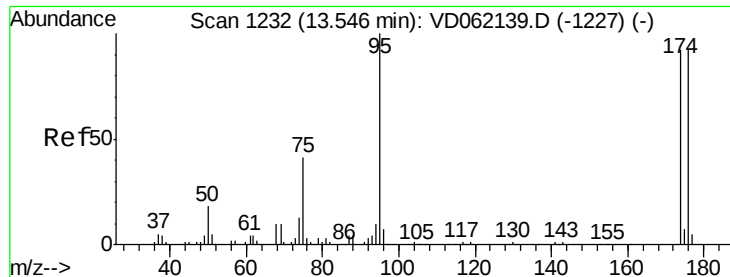
58 38.0 25.4 76.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

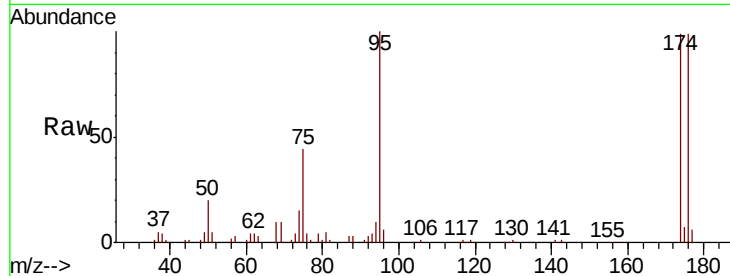




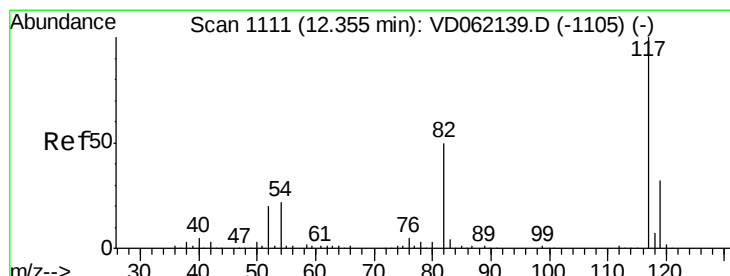
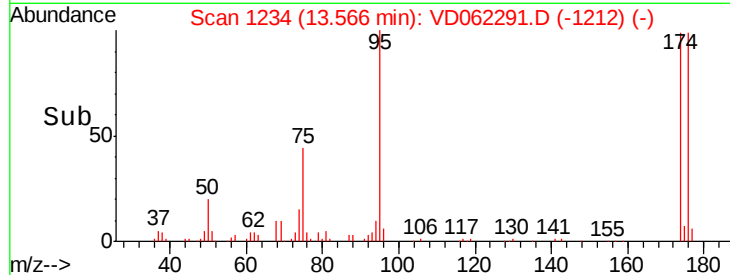
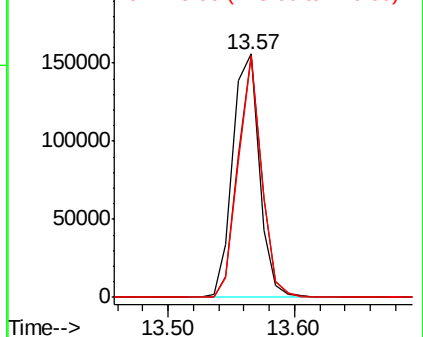
#62
4-Bromofluorobenzene
Concen: 44.879 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD062291.D
Acq: 13 May 2019 7:27

Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-005

Tot Ion:	95	Resp:	226995
Ion	Ratio	Lower	Upper
95	100		
174	99.3	0.0	181.8
176	99.2	0.0	174.4

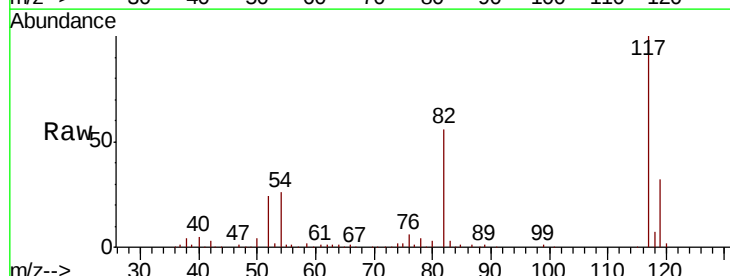


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

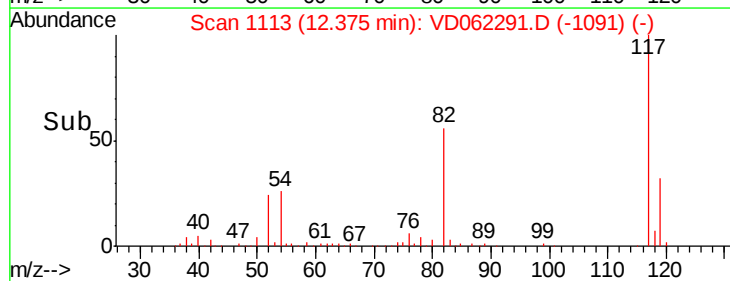
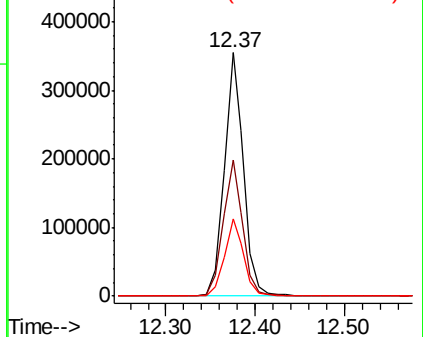


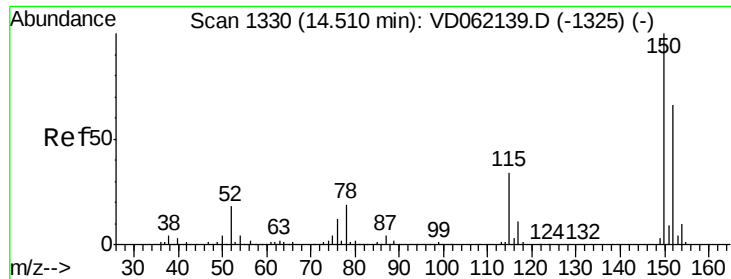
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062291.D
Acq: 13 May 2019 7:27

Tgt Ion:	117	Resp:	538224
Ion	Ratio	Lower	Upper
117	100		
82	55.6	36.2	54.2#
119	31.6	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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-005

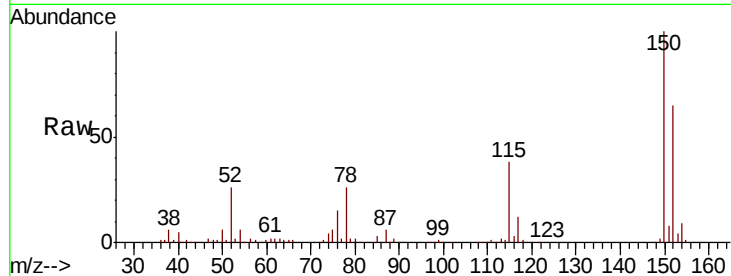
Tot Ion:152 Resp: 245866

Ion Ratio Lower Upper

152 100

115 59.4 30.9 92.7

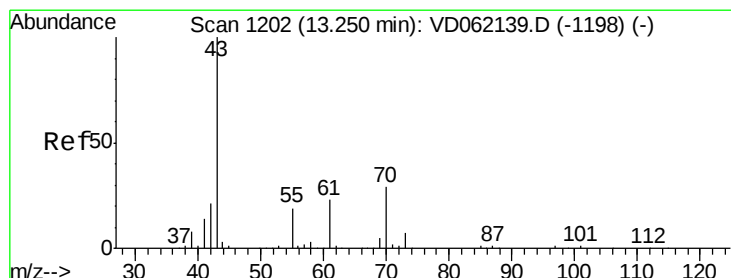
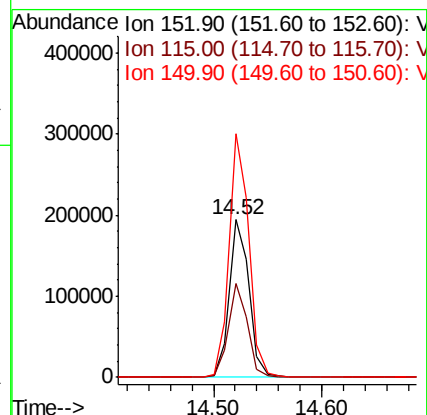
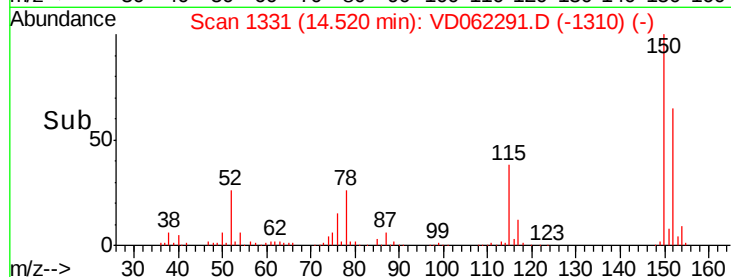
150 154.7 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.574 ug/l

RT: 13.20 min Scan# 1197

Delta R.T. -0.05 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

Tgt Ion: 43 Resp: 6081

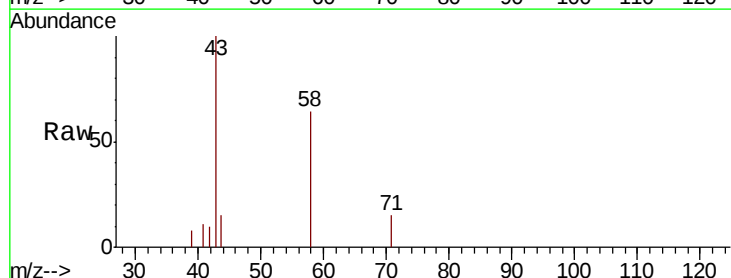
Ion Ratio Lower Upper

43 100

70 0.0 24.2 36.4#

55 0.0 16.0 24.0#

61 0.0 21.6 32.4#

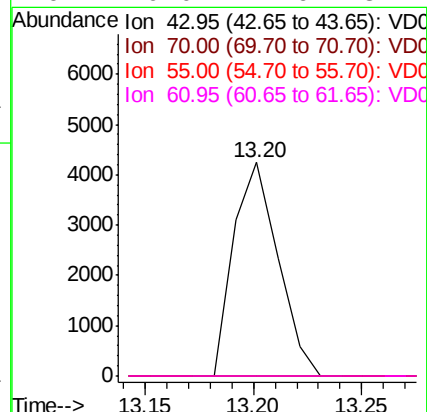
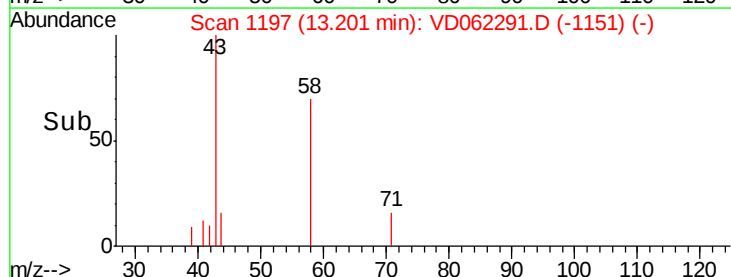


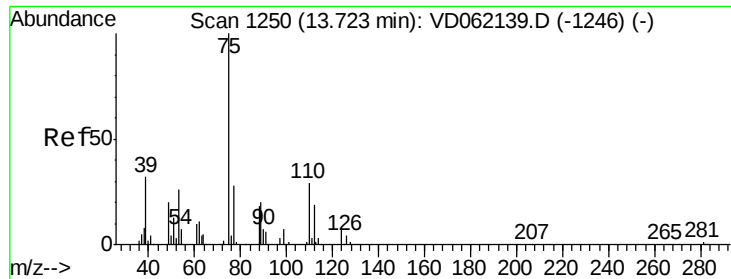
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#76

1,2,3-Trichloropropane

Concen: 31.071 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

Instrument :

MSVOA_D

ClientSampleId :

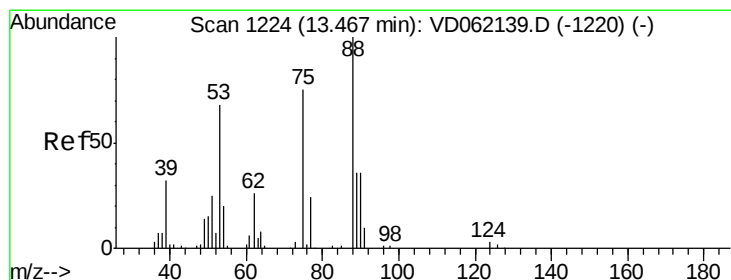
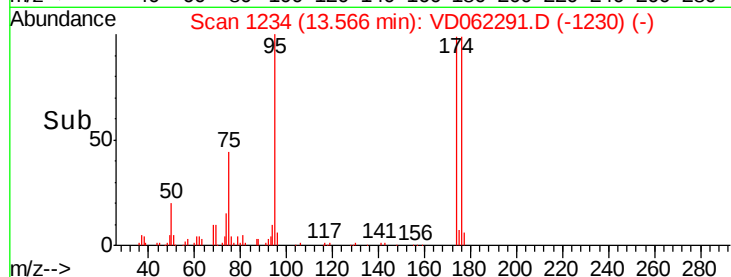
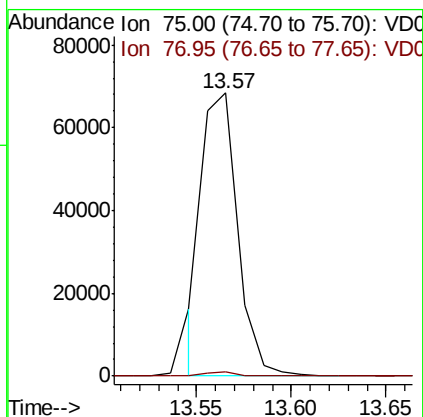
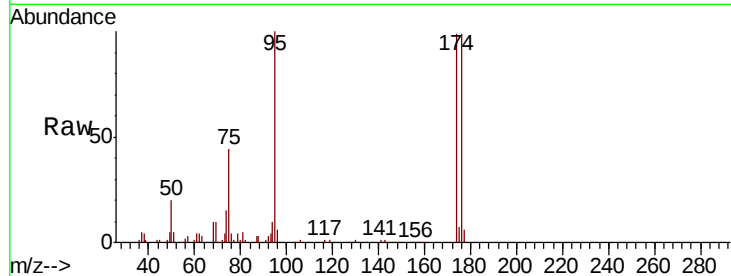
FK-0D015-03-005

Tot Ion: 75 Resp: 90787

Ion Ratio Lower Upper

75 100

77 1.4 16.4 49.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.061 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

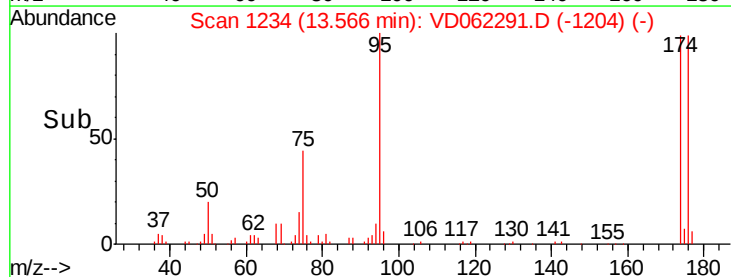
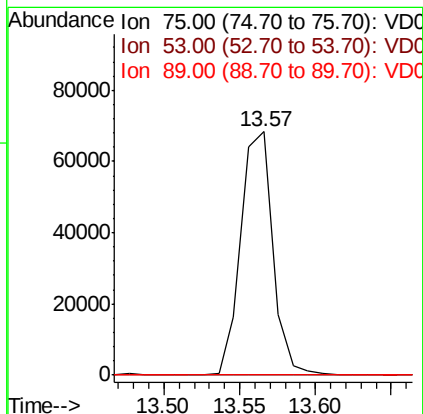
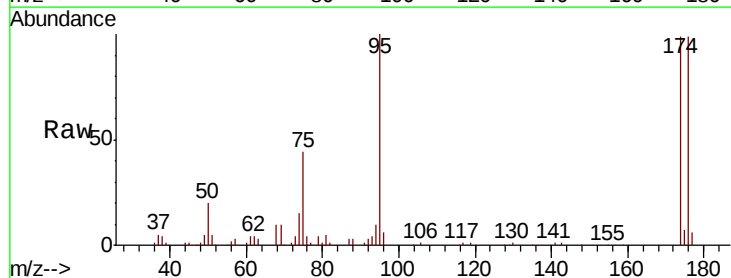
Tgt Ion: 75 Resp: 100685

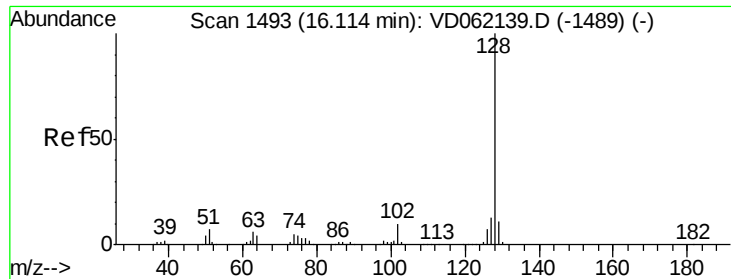
Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#





#95

Napthalene

Concen: 1.163 ug/l

RT: 16.12 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062291.D

Acq: 13 May 2019 7:27

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-005

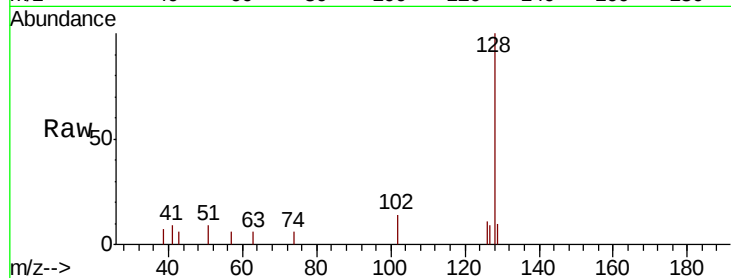
Tot Ion:128 Resp: 7334

Ion Ratio Lower Upper

128 100

127 8.9 9.8 14.8#

129 10.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

