

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062826.D
 Acq On : 21 Jun 2019 19:42
 Operator : VA/AP
 Sample : K3490-02
 Misc : 6.74g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-049

Quant Time: Jun 22 04:15:12 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	7.06	168	226600	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	297365	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	239505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	89946	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	189067	76.76	ug/l	0.00
Spiked Amount			Recovery	=	153.52%	
35) Dibromofluoromethane	6.94	113	140881	56.19	ug/l	0.01
Spiked Amount			Recovery	=	112.38%	
50) Toluene-d8	10.42	98	227176	41.63	ug/l	0.00
Spiked Amount			Recovery	=	83.26%	
62) 4-Bromofluorobenzene	13.56	95	88541	35.68	ug/l	0.00
Spiked Amount			Recovery	=	71.36%	

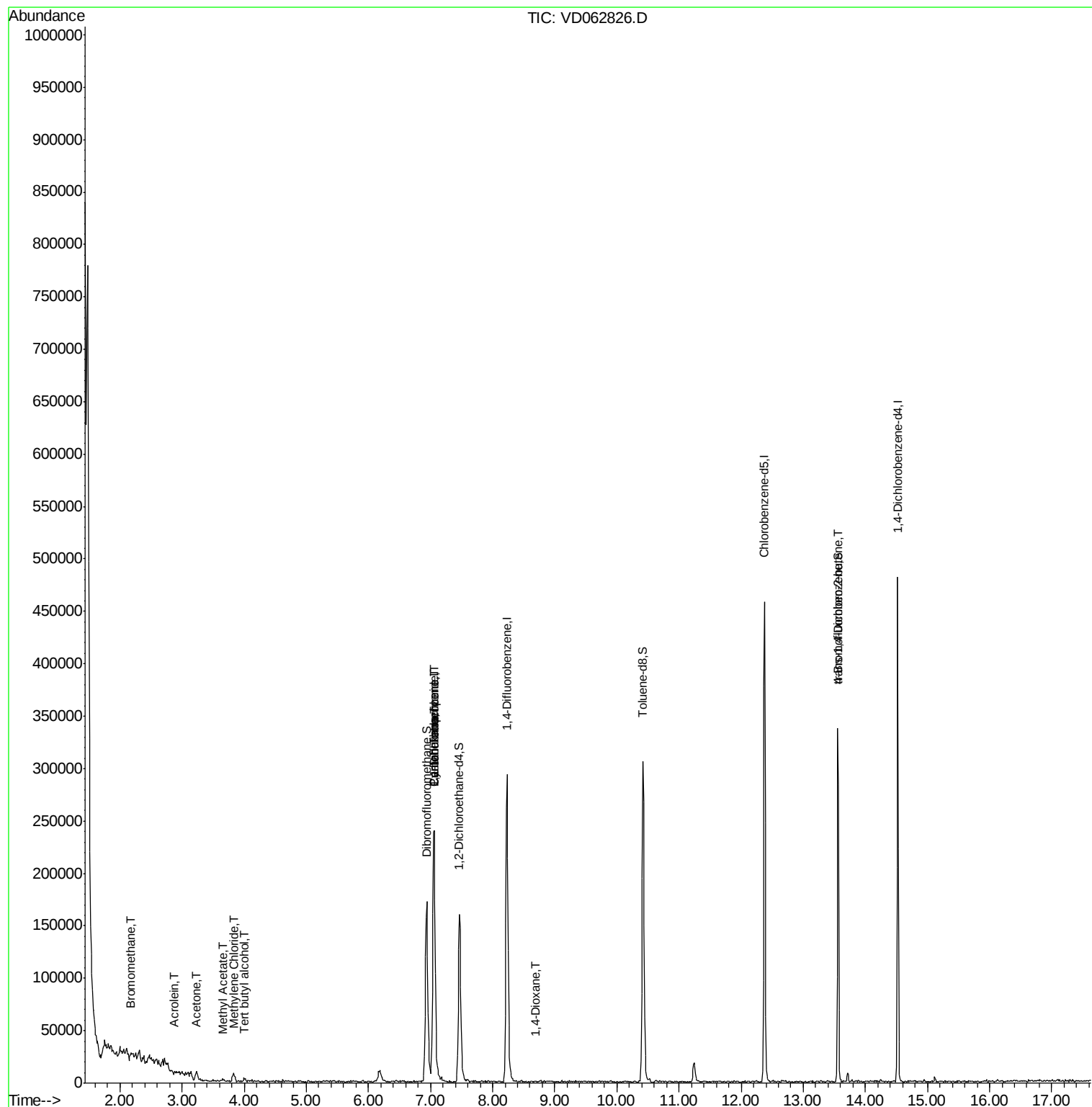
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	1608	1.570	ug/l #	13
11) Tert butyl alcohol	4.01	59	1267	11.294	ug/l #	77
13) Acrolein	2.89	56	222	1.938	ug/l #	50
16) Acetone	3.23	43	18252	30.396	ug/l #	83
18) Methyl Acetate	3.66	43	4847	6.519	ug/l #	58
20) Methylene Chloride	3.82	84	4858	2.586	ug/l	89
31) Cyclohexane	7.05	56	4196	1.814	ug/l #	38
36) 1,1-Dichloropropene	7.05	75	18242	6.480	ug/l #	56
37) Ethyl Acetate	6.25	43	242	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	22336	5.276	ug/l #	13
49) 1,4-Dioxane	8.68	88	201	23.037	ug/l #	29
81) trans-1,4-Dichloro-2-buten	13.56	75	43893	161.289	ug/l #	2

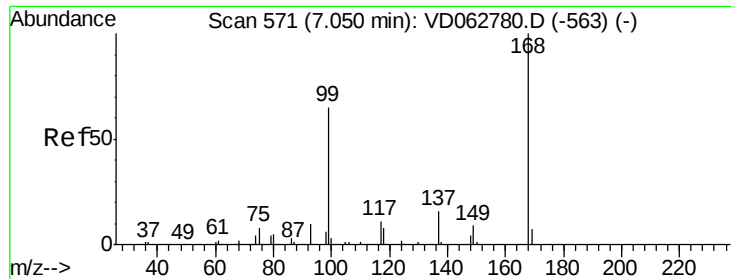
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062826.D

Acq: 21 Jun 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

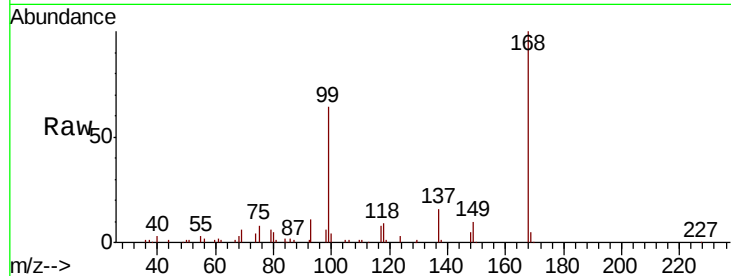
FK-PS-01-049

Tot Ion:168 Resp: 226600

Ion Ratio Lower Upper

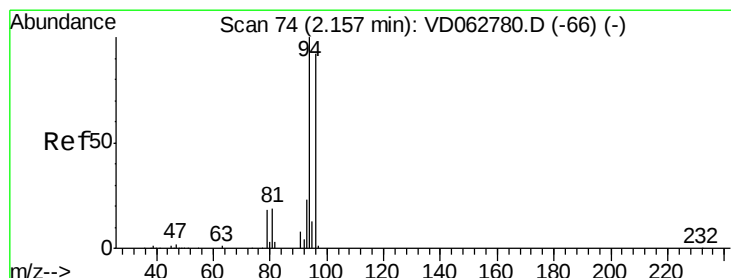
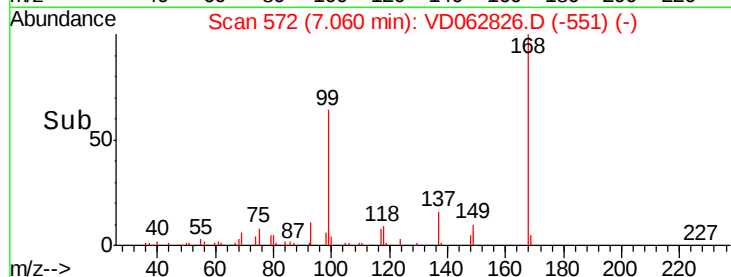
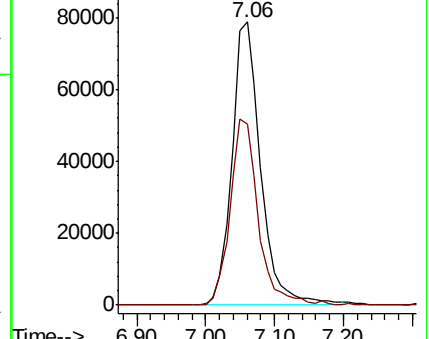
168 100

99 63.9 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: 1.570 ug/l

RT: 2.18 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD062826.D

Acq: 21 Jun 2019 19:42

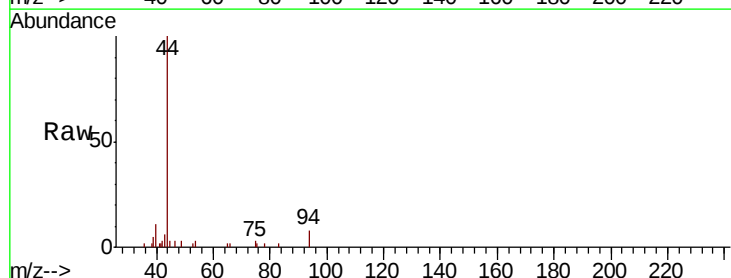
Tgt Ion: 94 Resp: 1608

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

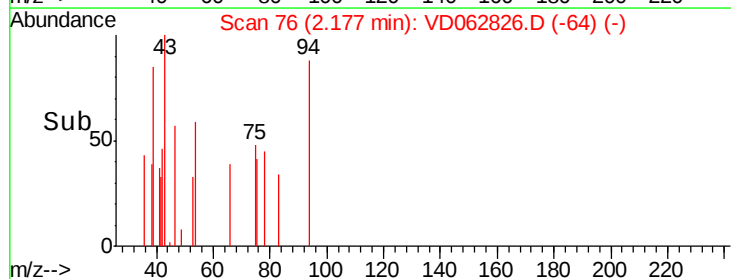
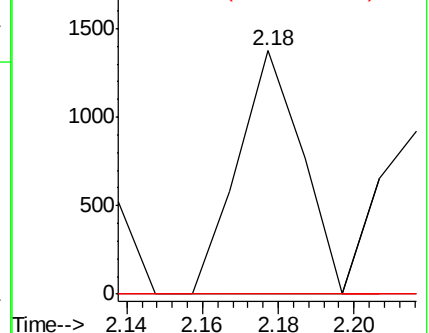
93 0.0 18.2 27.4#

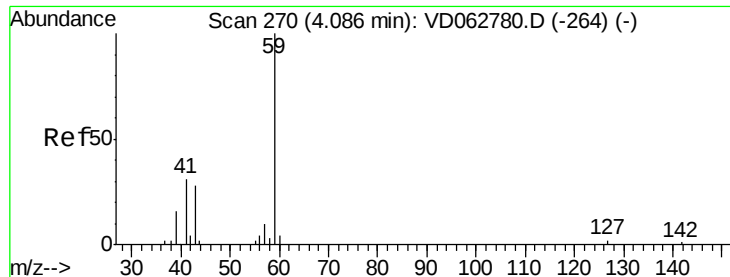


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

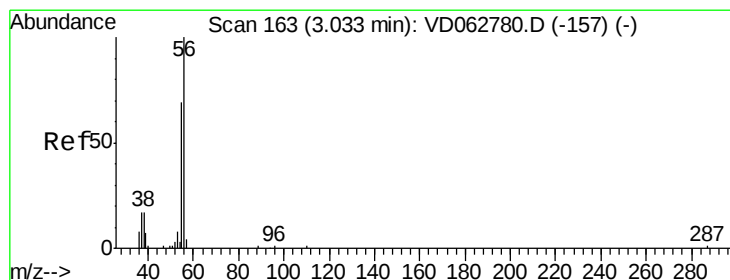
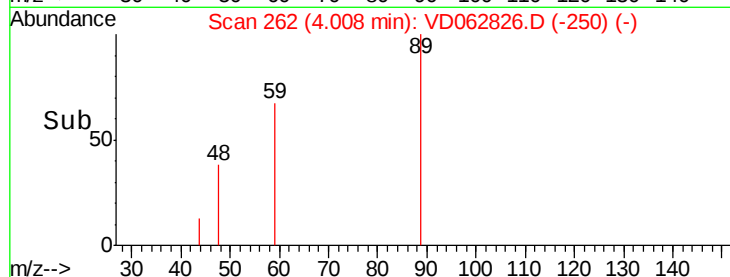
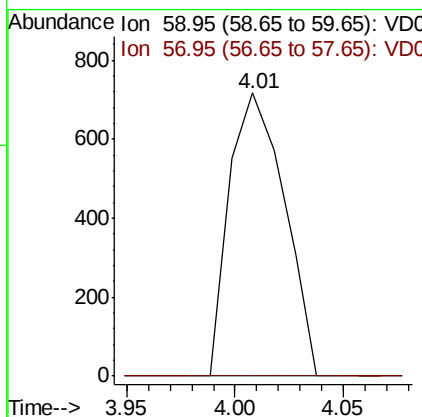
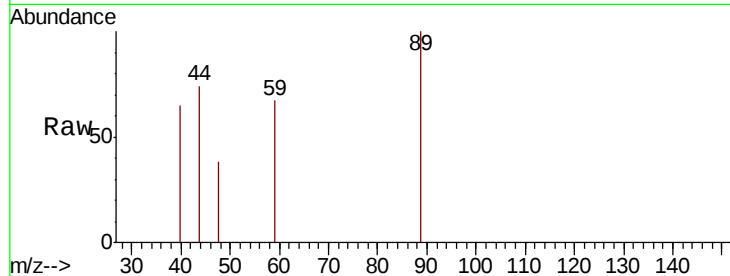




#11
Tert butyl alcohol
Concen: 11.294 ug/l
RT: 4.01 min Scan# 262
Delta R.T. -0.08 min
Lab File: VD062826.D
Acq: 21 Jun 2019 19:42

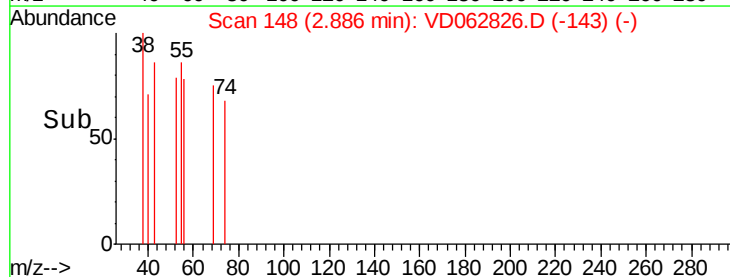
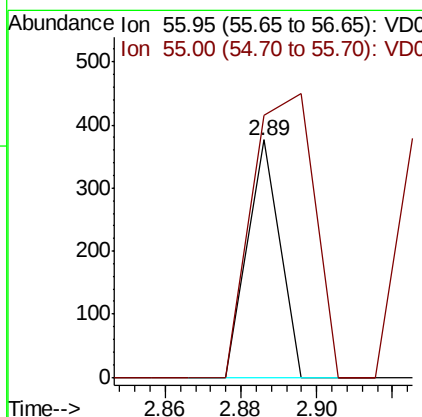
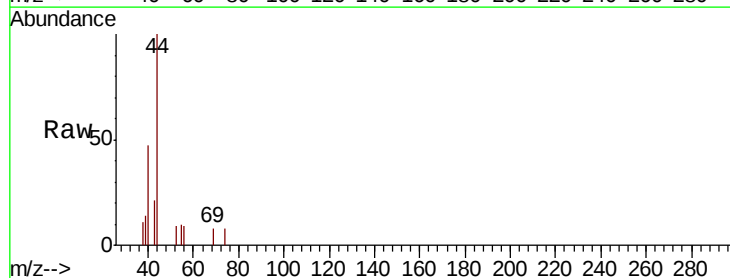
Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-049

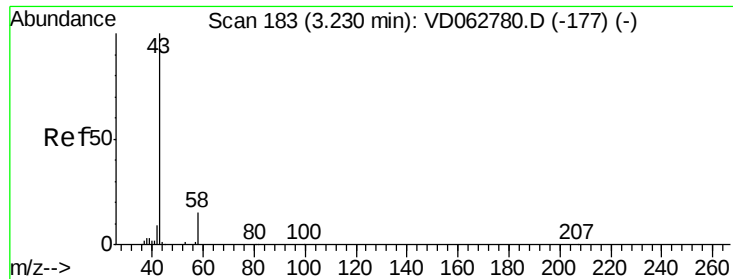
Tot Ion: 59 Resp: 1267
Ion Ratio Lower Upper
59 100
57 0.0 6.6 10.0#



#13
Acrolein
Concen: 1.938 ug/l
RT: 2.89 min Scan# 148
Delta R.T. -0.15 min
Lab File: VD062826.D
Acq: 21 Jun 2019 19:42

Tgt Ion: 56 Resp: 222
Ion Ratio Lower Upper
56 100
55 110.4 55.4 83.0#





#16

Acetone

Concen: 30.396 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062826.D

Acq: 21 Jun 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

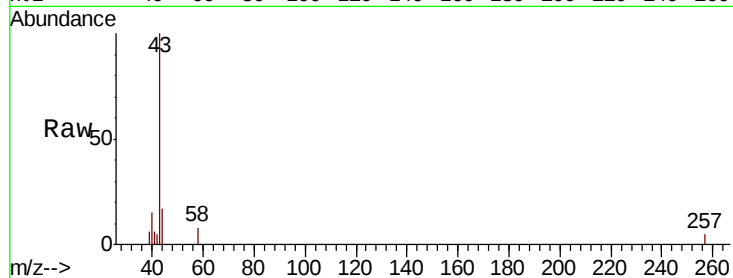
FK-PS-01-049

Tot Ion: 43 Resp: 18252

Ion Ratio Lower Upper

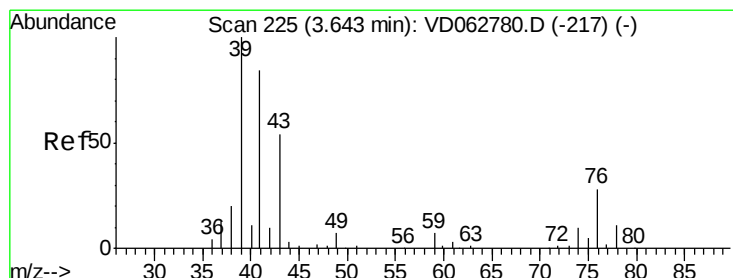
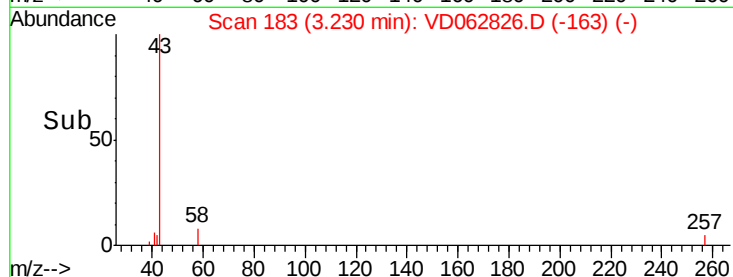
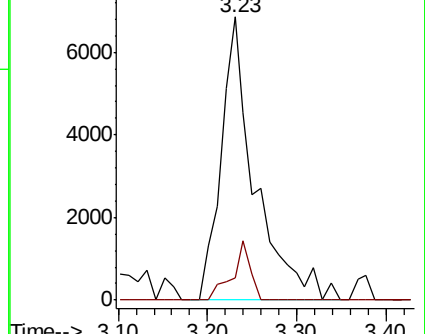
43 100

58 8.0 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: 6.519 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.02 min

Lab File: VD062826.D

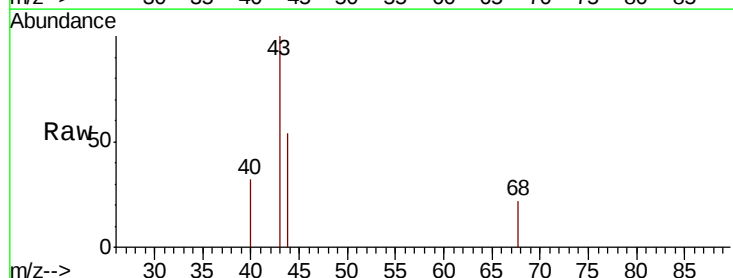
Acq: 21 Jun 2019 19:42

Tgt Ion: 43 Resp: 4847

Ion Ratio Lower Upper

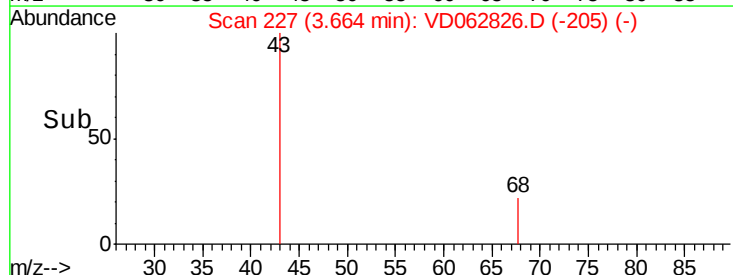
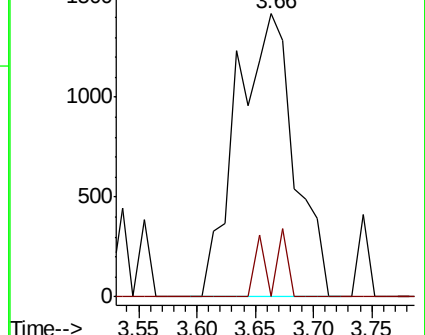
43 100

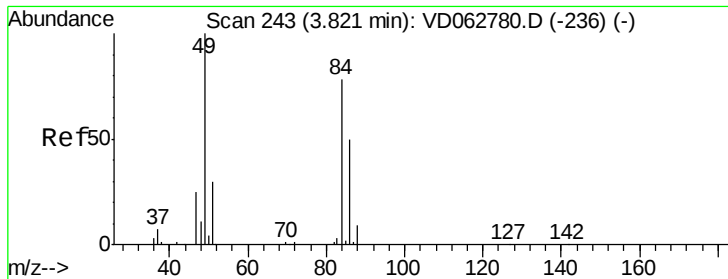
74 0.0 15.2 22.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

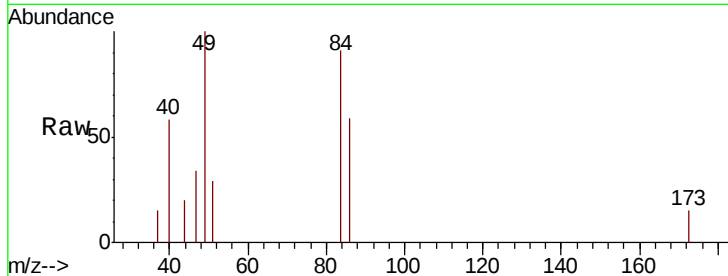




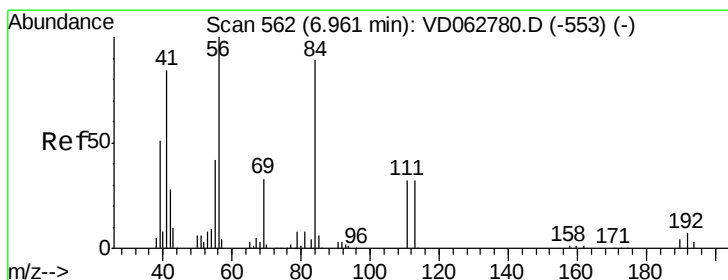
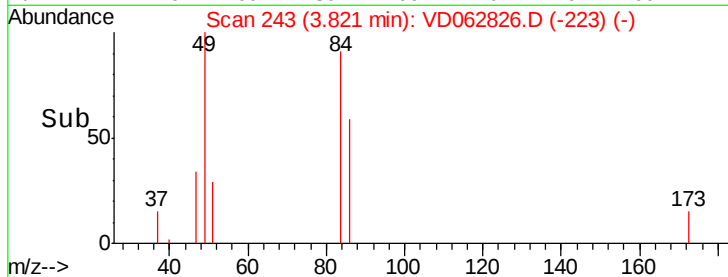
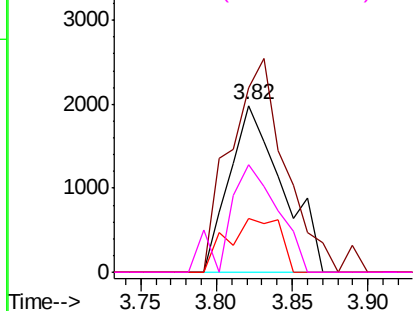
#20
Methvlene Chloride
Concen: 2.586 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD062826.D
Acq: 21 Jun 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-049

Tot Ion:	84	Resp:	4858
Ion	Ratio	Lower	Upper
84	100		
49	110.3	102.9	154.3
51	32.4	31.2	46.8
86	64.8	51.4	77.2

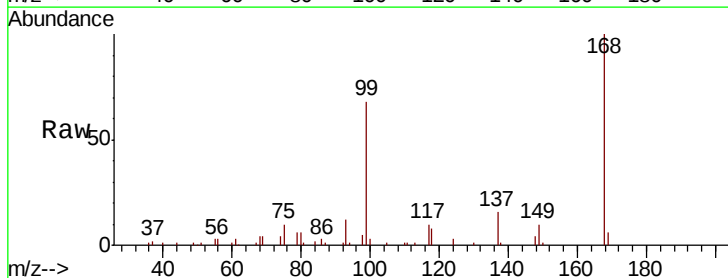


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

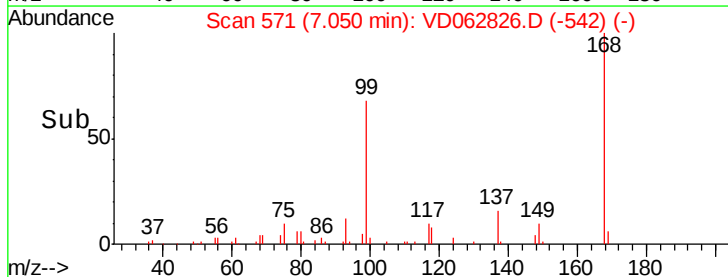
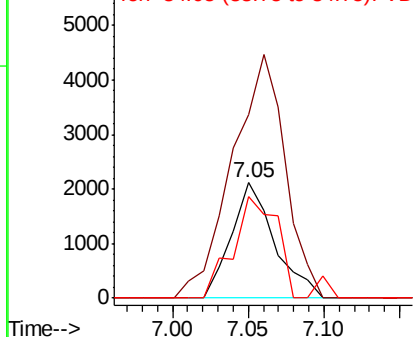


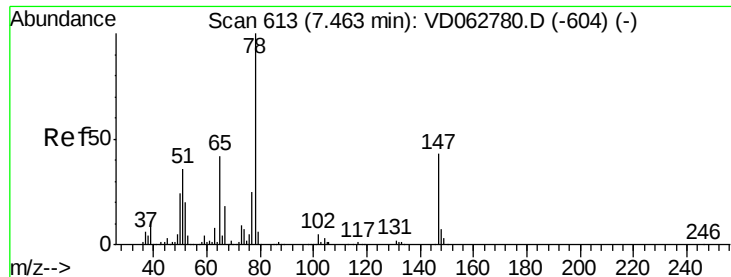
#31
Cyclohexane
Concen: 1.814 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD062826.D
Acq: 21 Jun 2019 19:42

Tgt Ion:	56	Resp:	4196
Ion	Ratio	Lower	Upper
56	100		
69	158.3	26.6	39.8#
84	88.3	75.5	113.3



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





#33

1,2-Dichloroethane-d4

Concen: 76.760 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD062826.D

Acq: 21 Jun 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

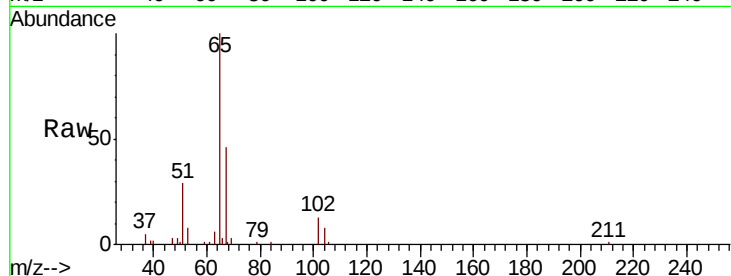
FK-PS-01-049

Tot Ion: 65 Resp: 189067

Ion Ratio Lower Upper

65 100

67 46.0 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

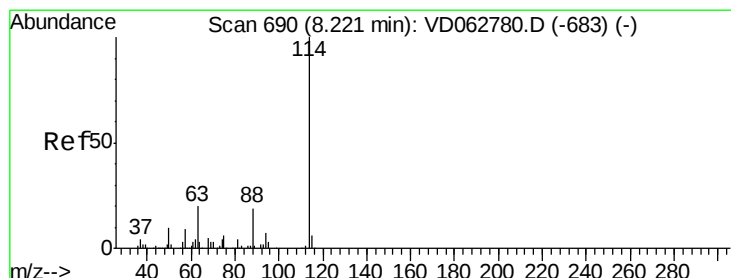
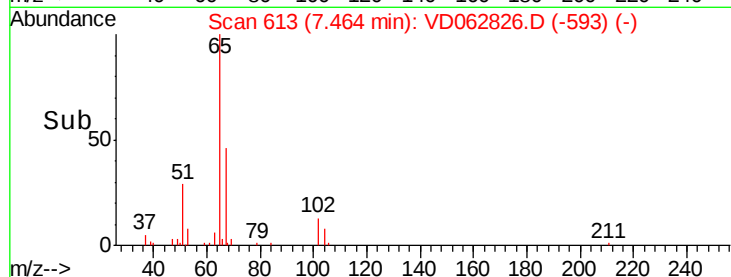
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062826.D

Acq: 21 Jun 2019 19:42

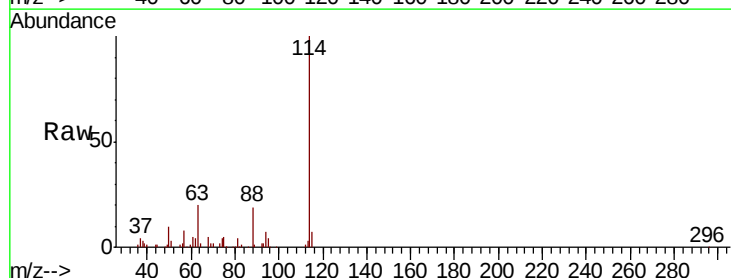
Tgt Ion: 114 Resp: 297365

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 19.0 0.0 38.8



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

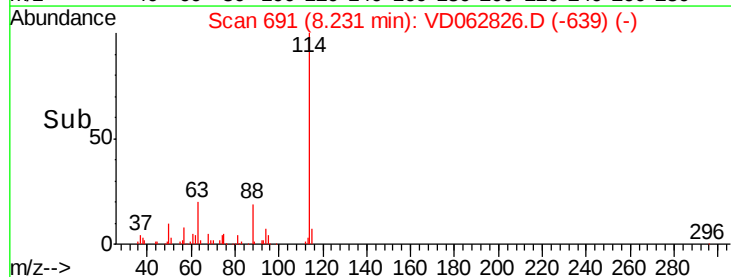
150000

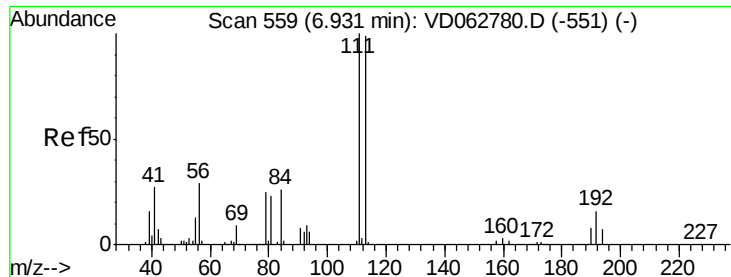
100000

50000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 56.187 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062826.D

Acq: 21 Jun 2019 19:42

Instrument :

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ClientSampleId :

FK-PS-01-049

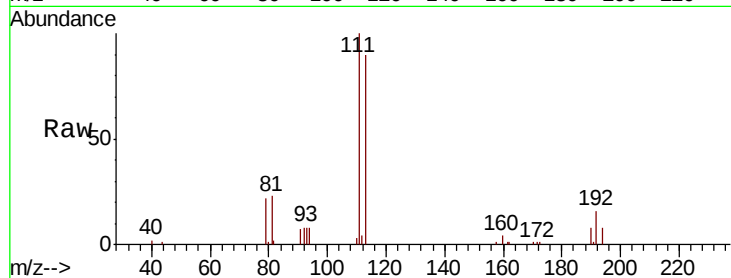
Tot Ion:113 Resp: 140881

Ion Ratio Lower Upper

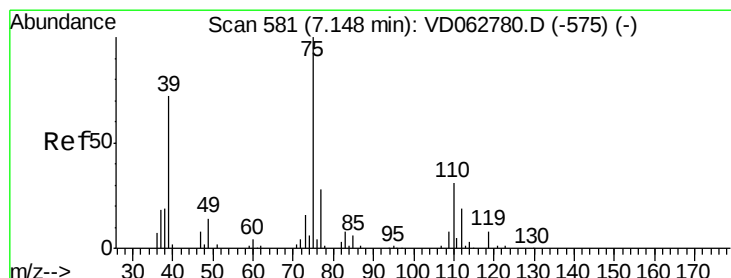
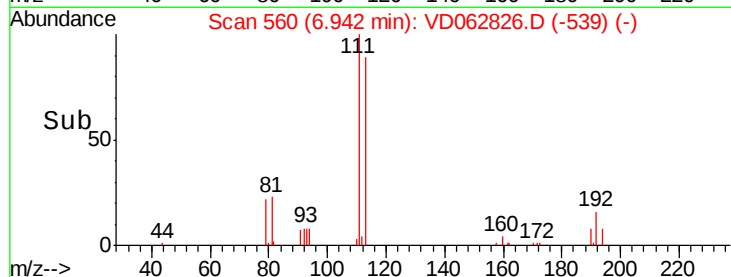
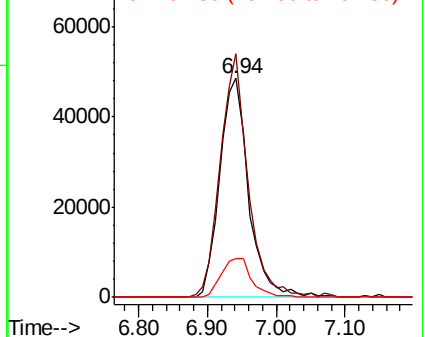
113 100

111 111.1 81.2 121.8

192 18.0 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: 6.480 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062826.D

Acq: 21 Jun 2019 19:42

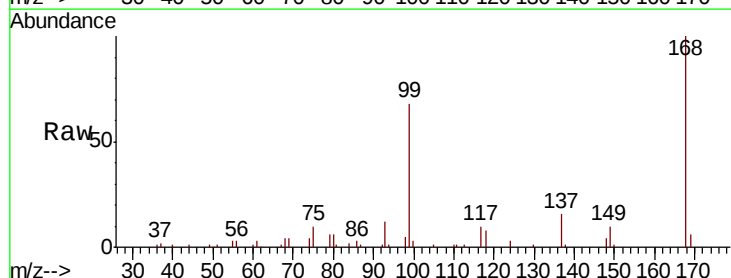
Tgt Ion: 75 Resp: 18242

Ion Ratio Lower Upper

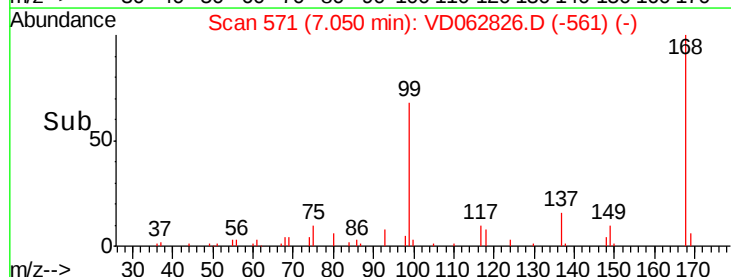
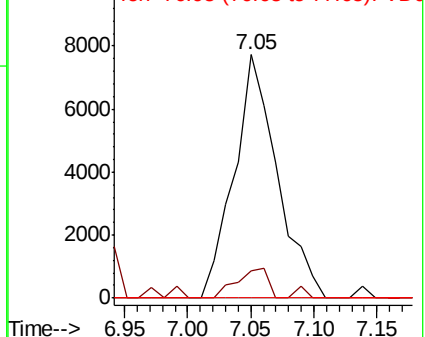
75 100

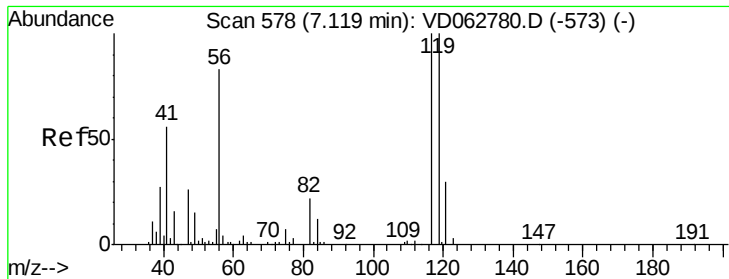
110 11.1 15.0 45.1#

77 0.0 22.2 33.2#



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





#38

Carbon Tetrachloride

Concen: 5.276 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062826.D

Acq: 21 Jun 2019 19:42

Instrument :

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ClientSampleId :

FK-PS-01-049

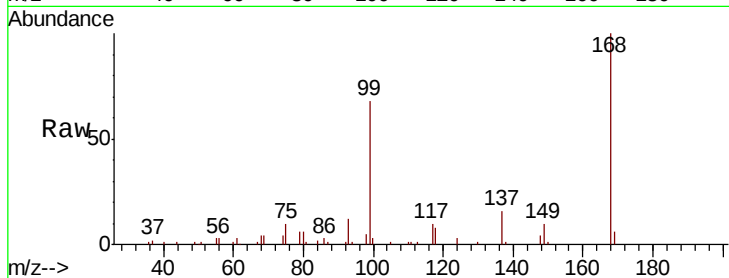
Tot Ion:117 Resp: 22336

Ion Ratio Lower Upper

117 100

119 0.0 75.4 113.2#

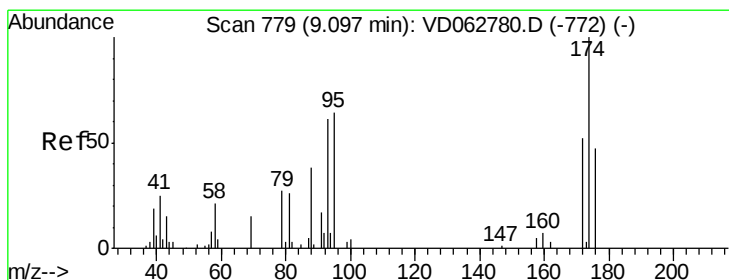
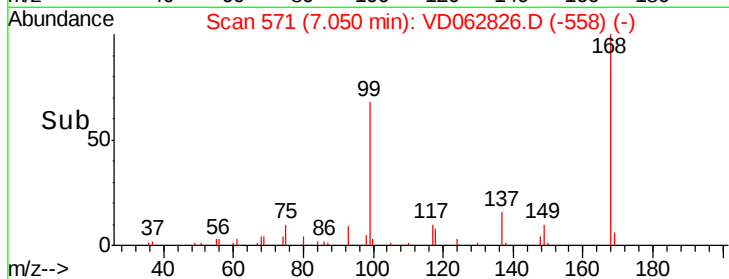
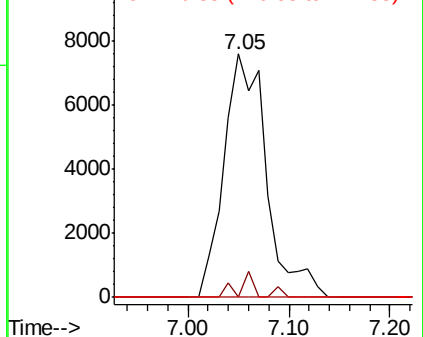
121 0.0 22.3 33.5#



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



#49

1,4-Dioxane

Concen: 23.037 ug/l

RT: 8.68 min Scan# 737

Delta R.T. -0.41 min

Lab File: VD062826.D

Acq: 21 Jun 2019 19:42

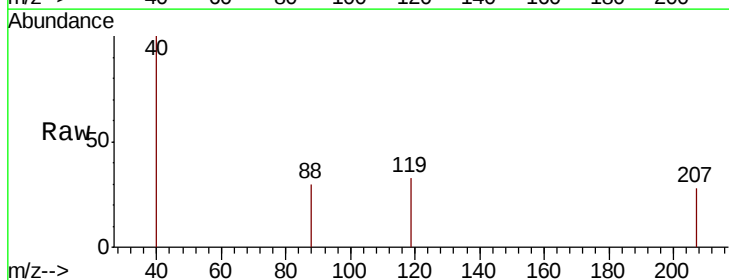
Tgt Ion: 88 Resp: 201

Ion Ratio Lower Upper

88 100

43 0.0 32.1 48.1#

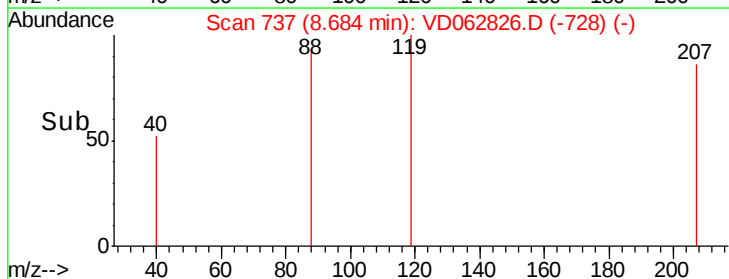
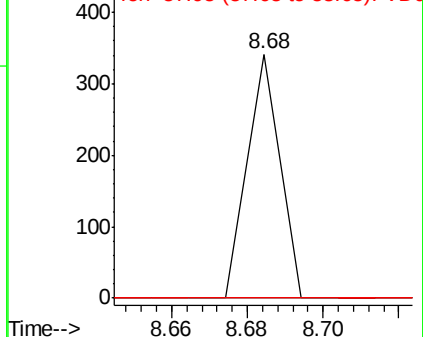
58 0.0 44.1 66.1#

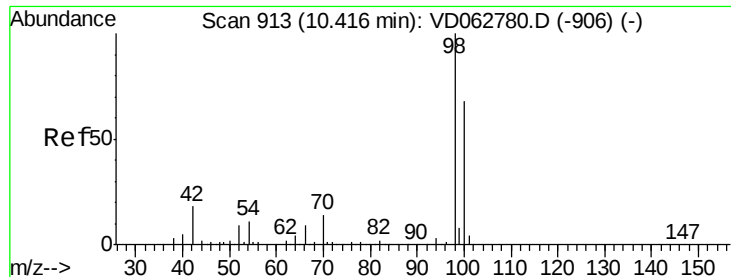


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#50

Toluene-d8

Concen: 41.629 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD062826.D

Acq: 21 Jun 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

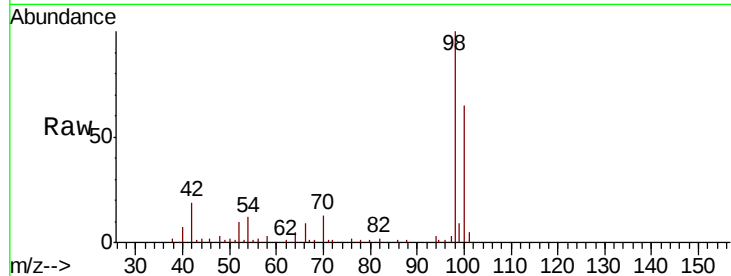
FK-PS-01-049

Tot Ion: 98 Resp: 227176

Ion Ratio Lower Upper

98 100

100 65.5 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VD062780.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD062780.D (-906) (-)

10.42

120000

100000

80000

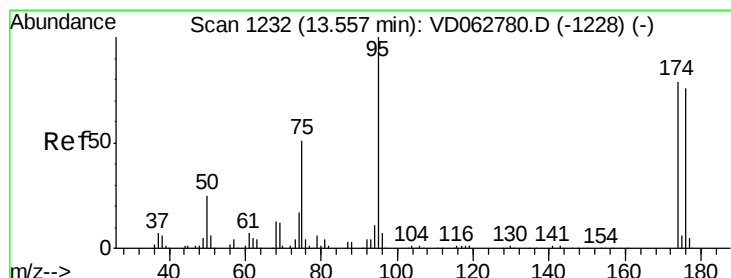
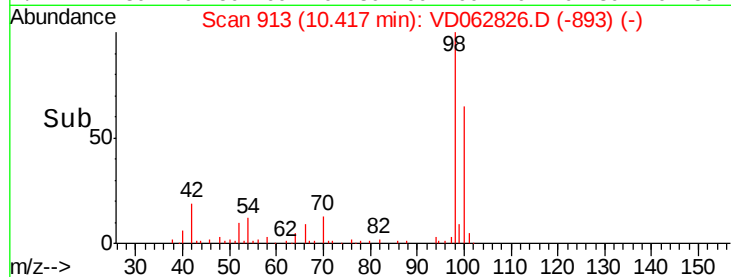
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 35.682 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062826.D

Acq: 21 Jun 2019 19:42

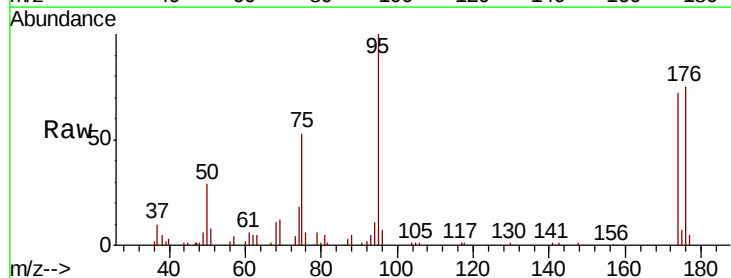
Tgt Ion: 95 Resp: 88541

Ion Ratio Lower Upper

95 100

174 71.8 0.0 158.0

176 75.5 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): VD062780.D (-1228) (-)

Ion 173.90 (173.60 to 174.60): VD062780.D (-1228) (-)

Ion 175.90 (175.60 to 176.60): VD062780.D (-1228) (-)

13.56

80000

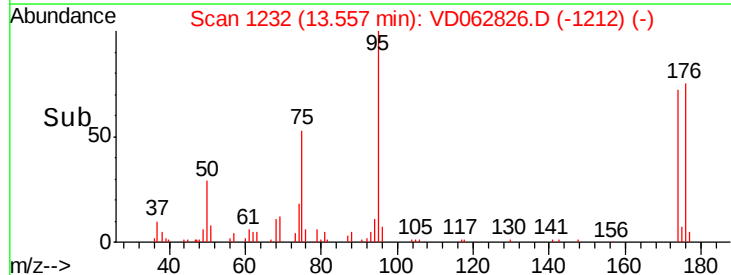
60000

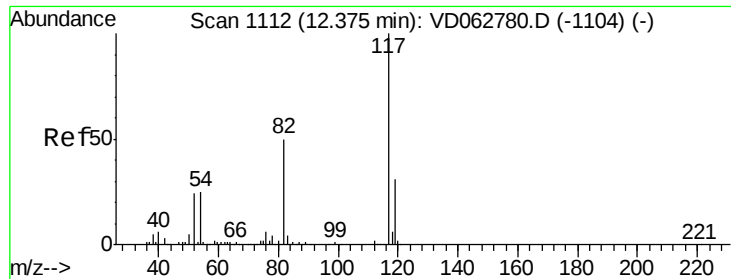
40000

20000

0

Time-->

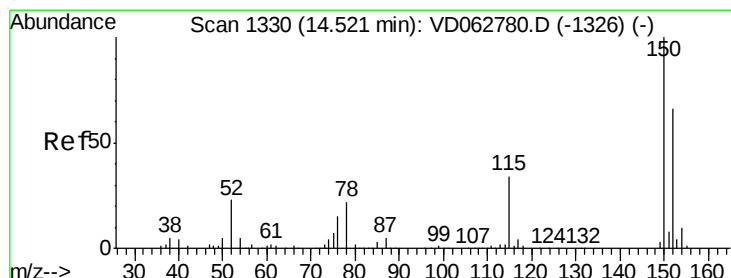
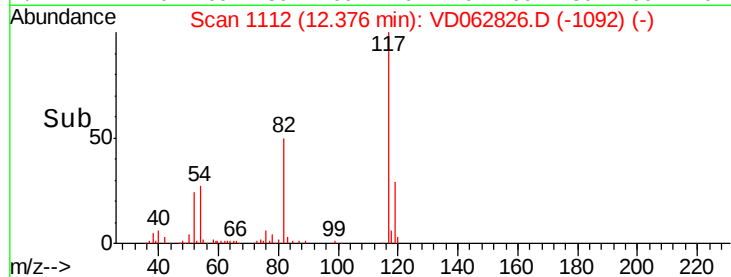
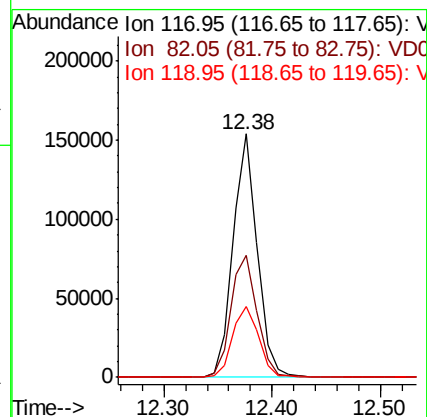
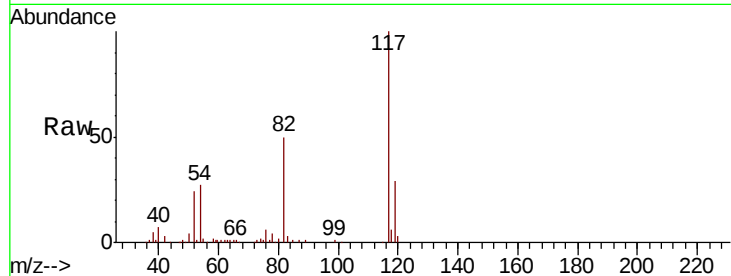




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062826.D
Acq: 21 Jun 2019 19:42

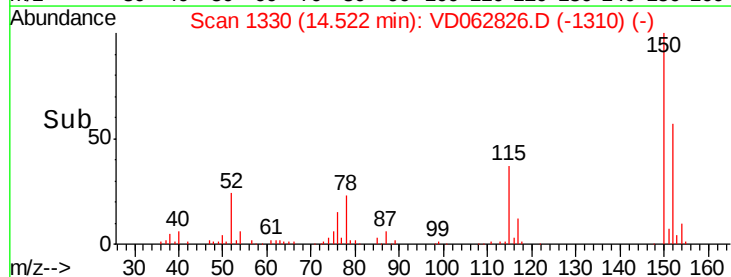
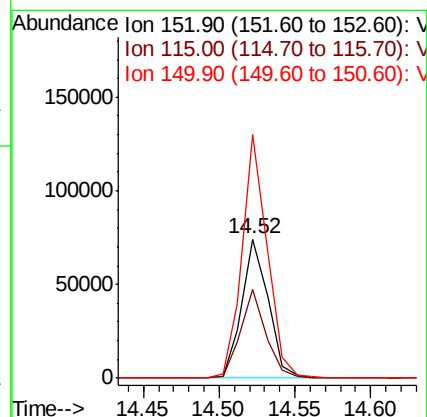
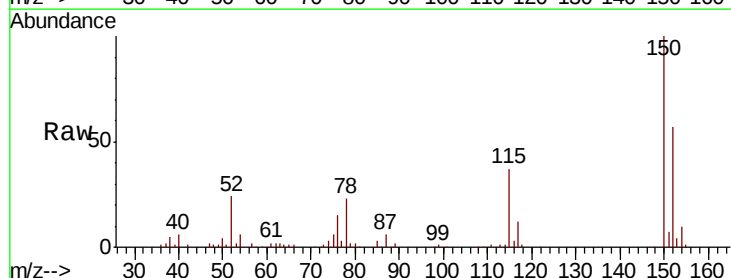
Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-049

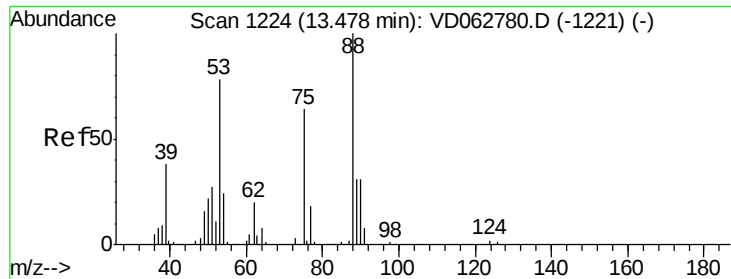
Tot Ion:117 Resp: 239505
Ion Ratio Lower Upper
117 100
82 50.0 40.4 60.6
119 29.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062826.D
Acq: 21 Jun 2019 19:42

Tgt Ion:152 Resp: 89946
Ion Ratio Lower Upper
152 100
115 64.3 29.2 87.6
150 175.6 0.0 305.8





#81

trans-1,4-Dichloro-2-butene

Concen: 161.289 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062826.D

Acq: 21 Jun 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-049

Tot Ion: 75 Resp: 43893

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

