

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001670.D
 Acq On : 18 Feb 2020 14:59
 Operator : SY/MD
 Sample : L1551-02RE
 Misc : 6.96G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-01-007-A

Quant Time: Feb 19 06:46:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	162120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	296412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	254383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	100597	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	91814	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
35) Dibromofluoromethane	7.74	113	65984	38.87	ug/l	0.00
Spiked Amount			Recovery	=	77.74%	
50) Toluene-d8	10.19	98	349359	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.49	95	110674	42.83	ug/l	0.00
Spiked Amount			Recovery	=	85.66%	

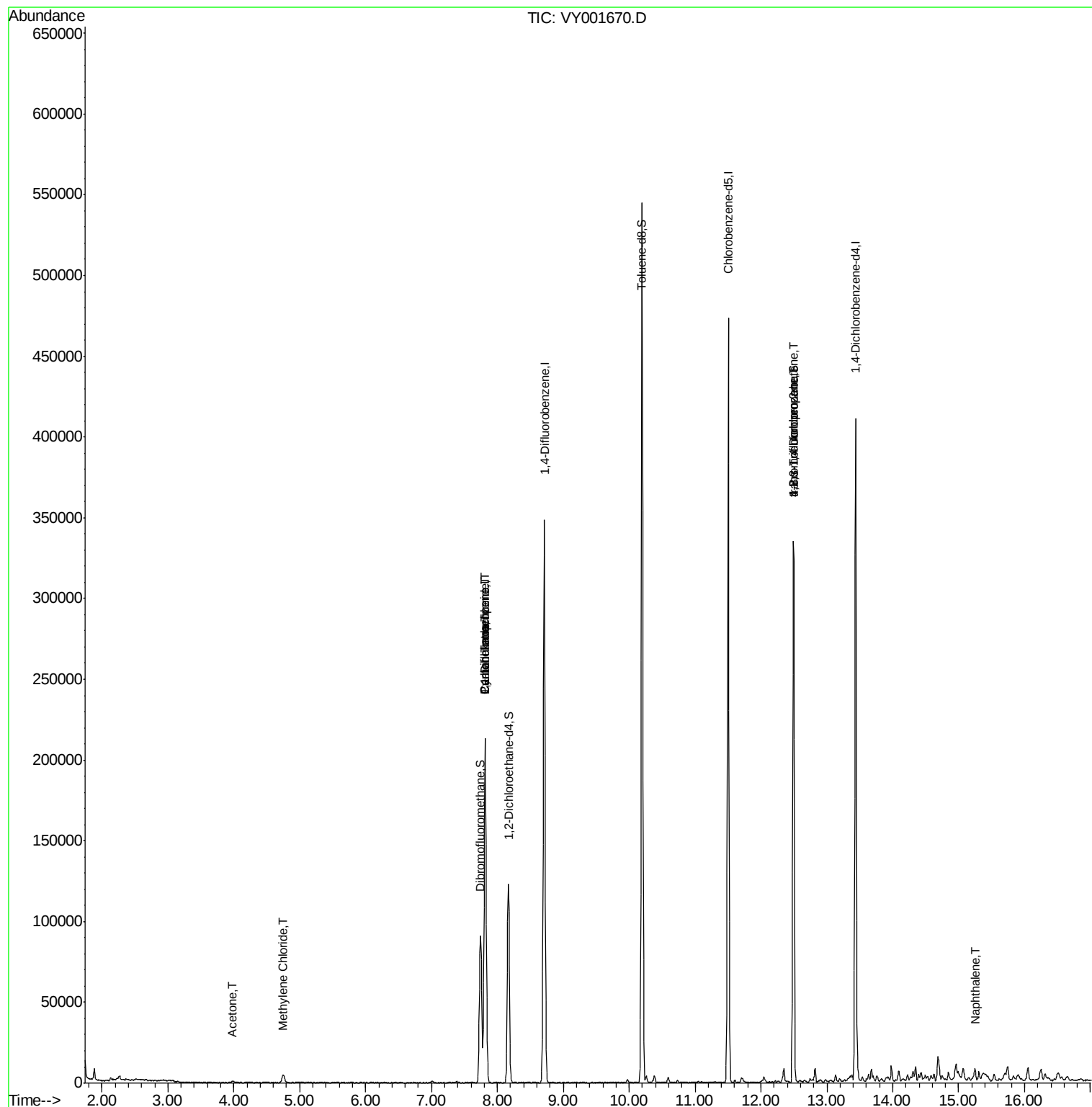
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	635	Below Cal	#	74
16) Acetone	3.98	43	1758	2.914	ug/l	93
20) Methylene Chloride	4.74	84	3561	1.662	ug/l	85
31) Cyclohexane	7.82	56	4351	1.188	ug/l #	14
36) 1,1-Dichloropropene	7.82	75	12877	4.548	ug/l #	50
38) Carbon Tetrachloride	7.82	117	16045	6.452	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	56266	48.758	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56266	92.503	ug/l #	17
95) Naphthalene	15.25	128	5450	1.200	ug/l #	96

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

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Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001670.D

Acq: 18 Feb 2020 14:59

Instrument :

MSVOA_Y

ClientSampleId :

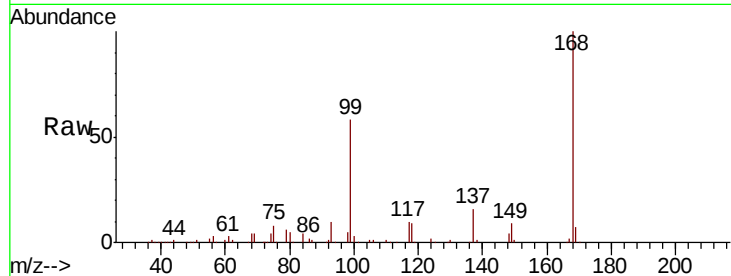
FK-SF-01-007-A

Tot Ion:168 Resp: 162120

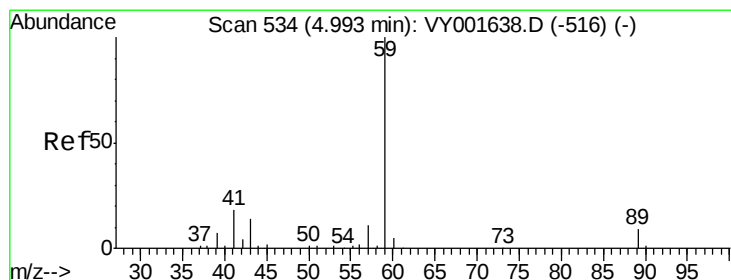
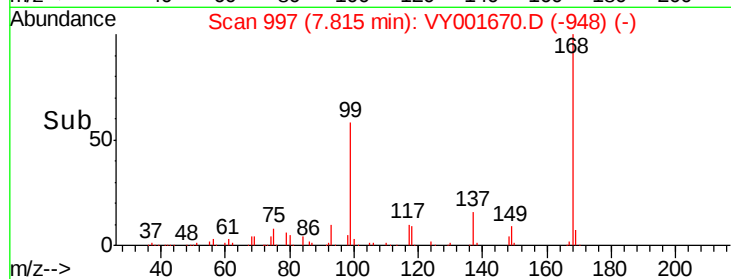
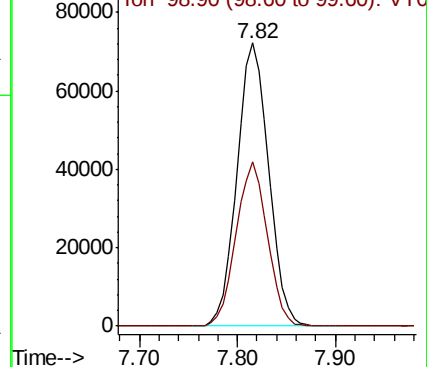
Ion Ratio Lower Upper

168 100

99 58.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001670.D (-987) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001670.D

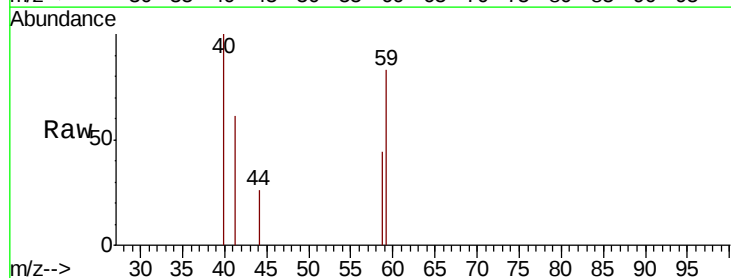
Acq: 18 Feb 2020 14:59

Tgt Ion: 59 Resp: 635

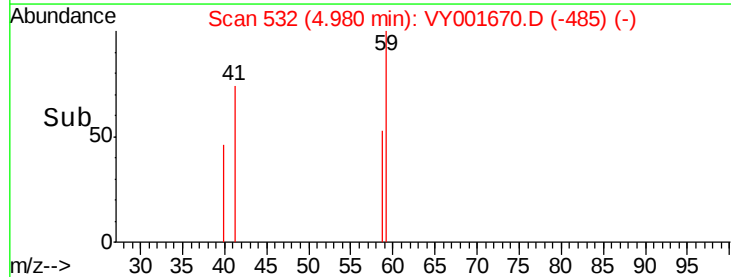
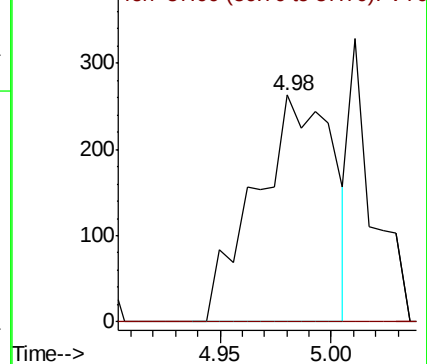
Ion Ratio Lower Upper

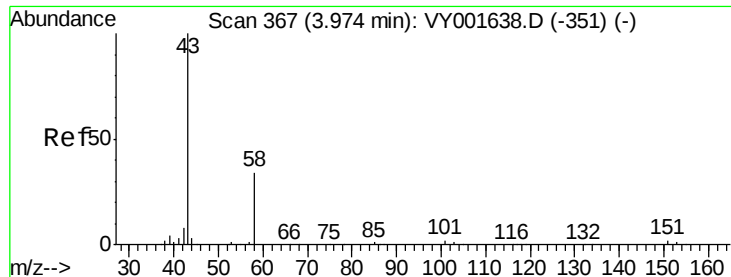
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001670.D (-485) (-)





#16

Acetone

Concen: 2.914 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001670.D

Acq: 18 Feb 2020 14:59

Instrument :

MSVOA_Y

ClientSampleId :

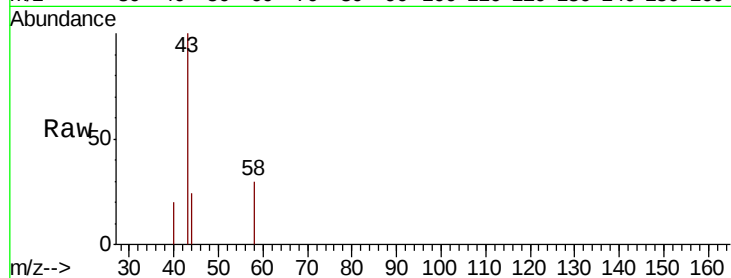
FK-SF-01-007-A

Tot Ion: 43 Resp: 1758

Ion Ratio Lower Upper

43 100

58 30.2 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001670.D (-367) (-)

Ion 58.00 (57.70 to 58.70): VY001670.D (-367) (-)

3.98

600

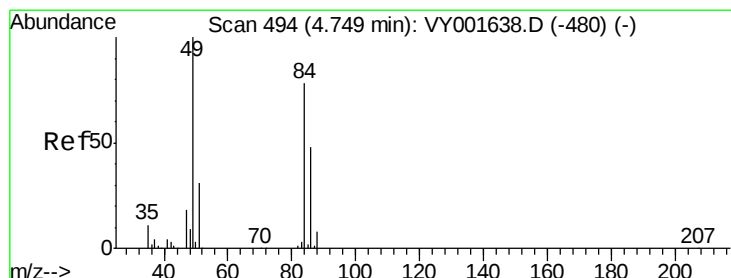
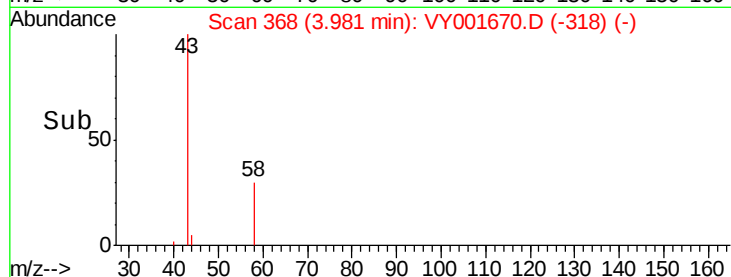
400

200

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 1.662 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY001670.D

Acq: 18 Feb 2020 14:59

Tgt Ion: 84 Resp: 3561

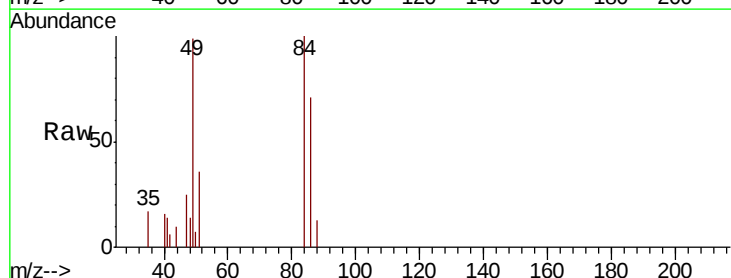
Ion Ratio Lower Upper

84 100

49 99.4 99.2 148.8

51 36.0 31.5 47.3

86 71.2 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY001670.D (-494) (-)

Ion 48.90 (48.60 to 49.60): VY001670.D (-494) (-)

Ion 50.90 (50.60 to 51.60): VY001670.D (-494) (-)

Ion 85.90 (85.60 to 86.60): VY001670.D (-494) (-)

2000

1500

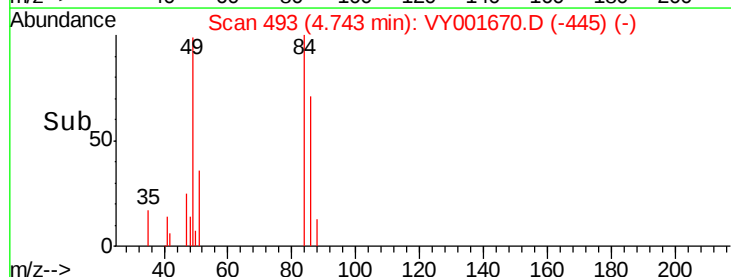
1000

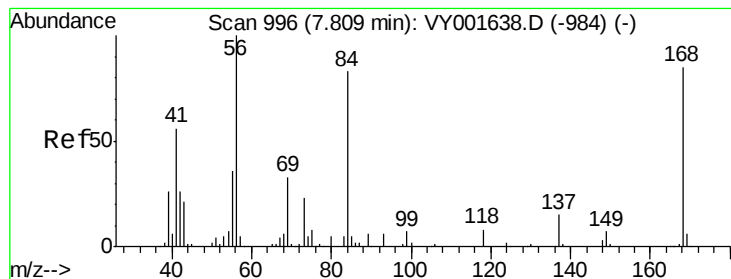
500

0

4.65 4.70 4.75 4.80 4.85

Time-->





#31

Cyclohexane

Concen: 1.188 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001670.D

Acq: 18 Feb 2020 14:59

Instrument :

MSVOA_Y

ClientSampleId :

FK-SF-01-007-A

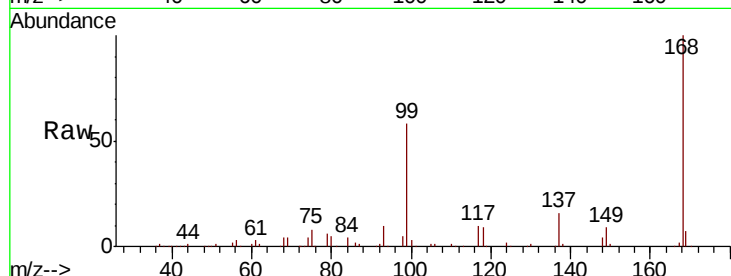
Tot Ion: 56 Resp: 4351

Ion Ratio Lower Upper

56 100

69 132.0 25.1 37.7#

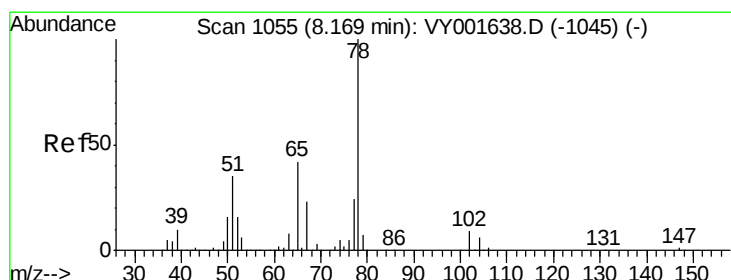
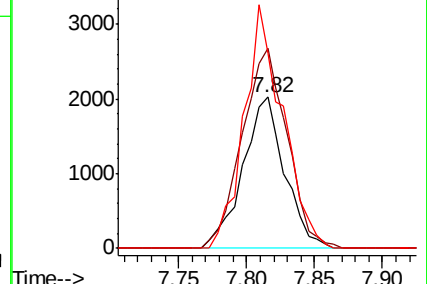
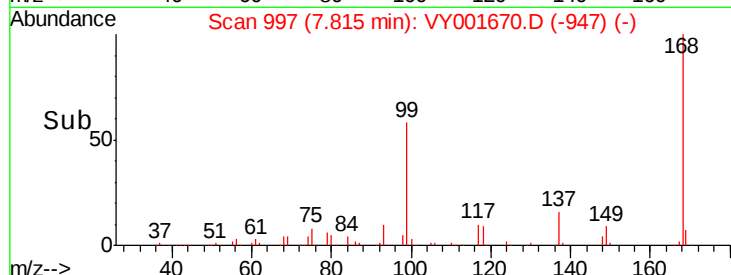
84 129.3 66.9 100.3#



Abundance Ion 56.00 (55.70 to 56.70): VY001670.D (-947) (-)

Ion 69.00 (68.70 to 69.70): VY001670.D (-947) (-)

Ion 84.00 (83.70 to 84.70): VY001670.D (-947) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.651 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY001670.D

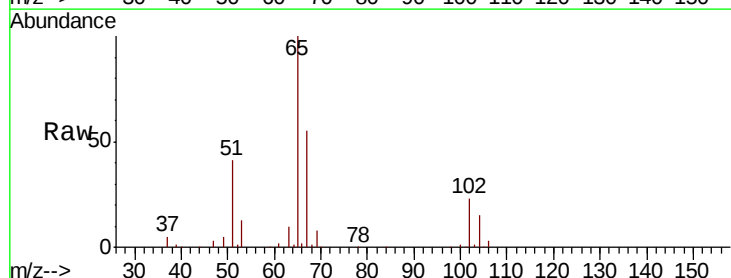
Acq: 18 Feb 2020 14:59

Tgt Ion: 65 Resp: 91814

Ion Ratio Lower Upper

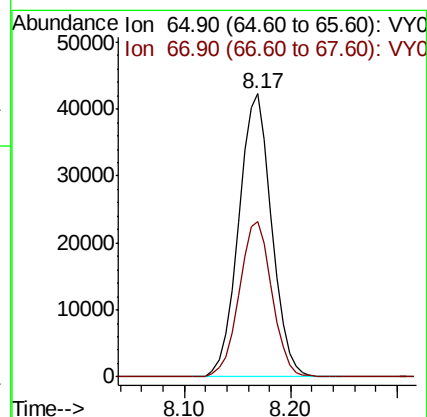
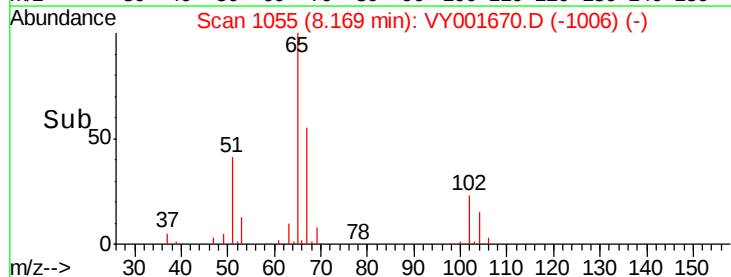
65 100

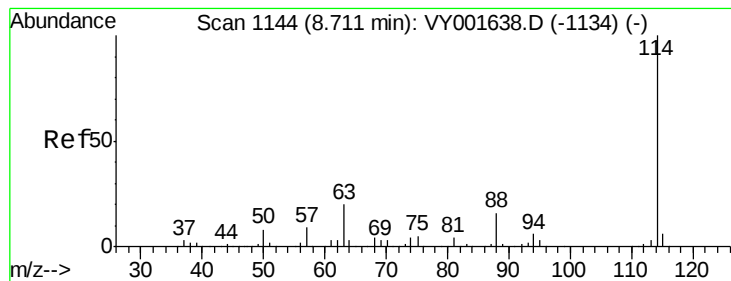
67 54.5 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY001670.D (-1006) (-)

Ion 66.90 (66.60 to 67.60): VY001670.D (-1006) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001670.D

Acq: 18 Feb 2020 14:59

Instrument :

MSVOA_Y

ClientSampleId :

FK-SF-01-007-A

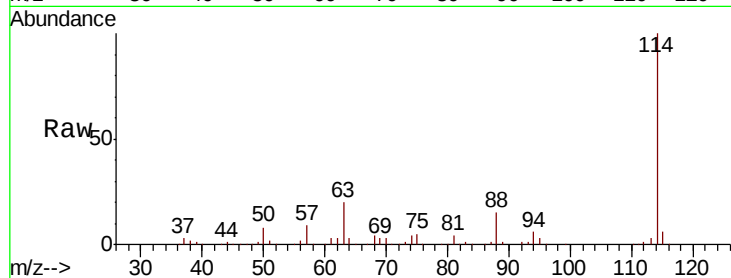
Tot Ion:114 Resp: 296412

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.4

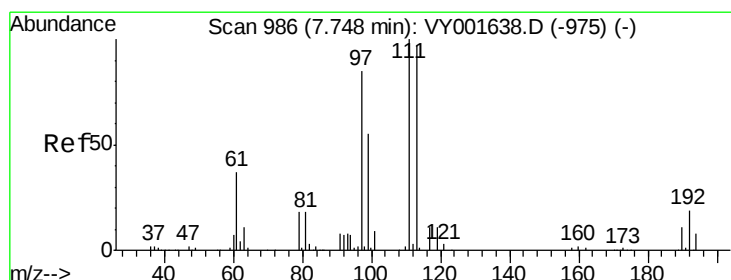
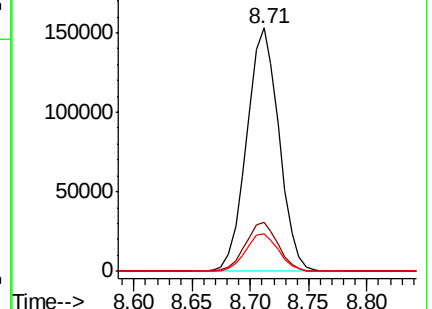
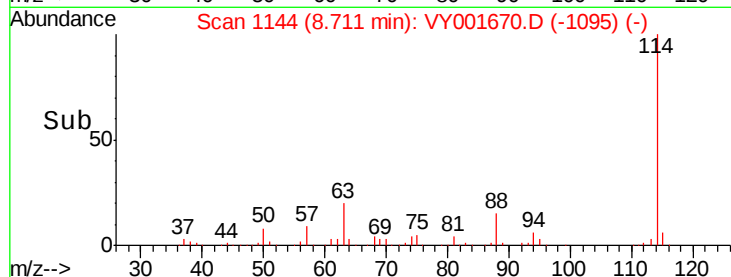
88 15.4 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 38.866 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001670.D

Acq: 18 Feb 2020 14:59

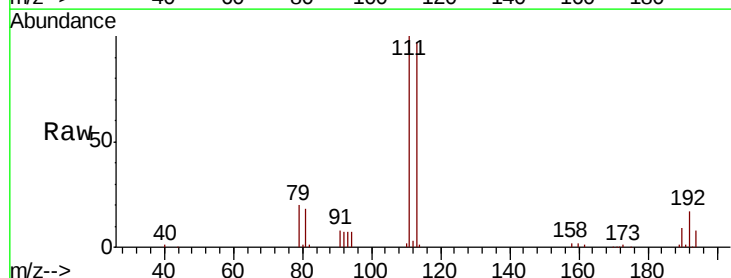
Tgt Ion:113 Resp: 65984

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

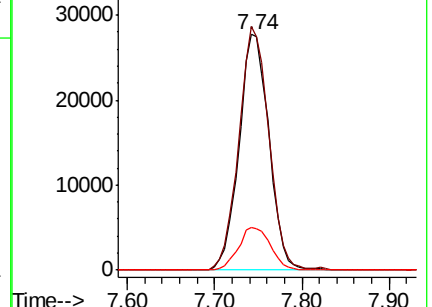
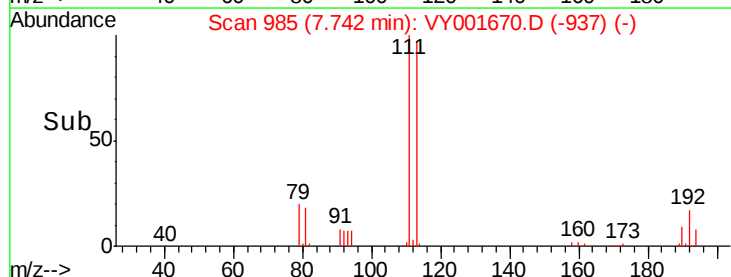
192 19.2 14.3 21.5

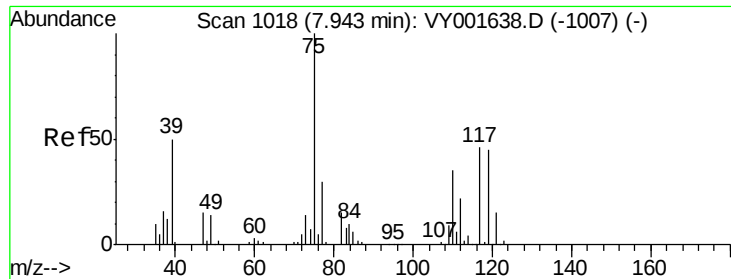


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

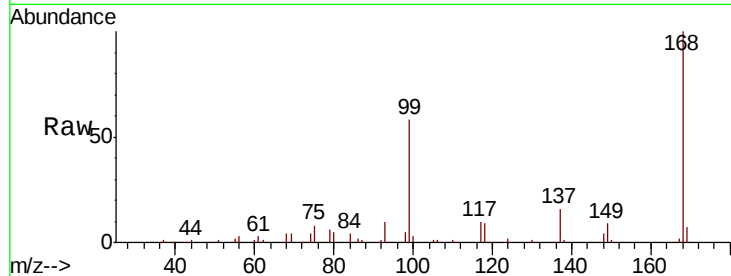




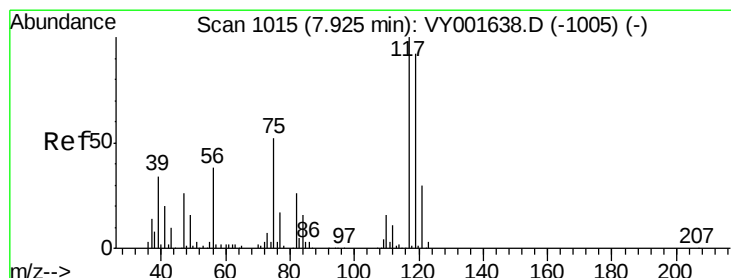
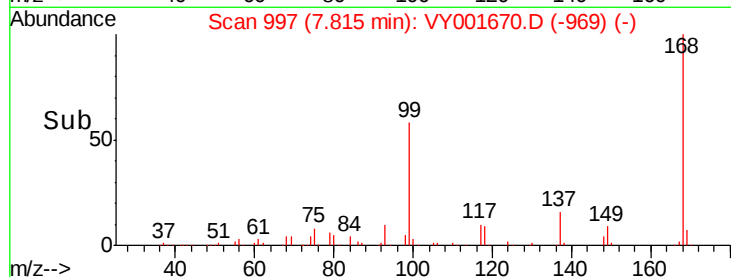
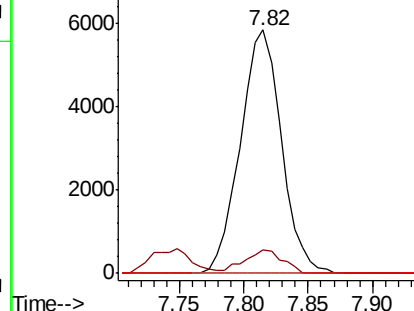
#36
 1,1-Dichloropropene
 Concen: 4.548 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001670.D
 Acq: 18 Feb 2020 14:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-01-007-A

Tot Ion	75	Resp	12877
Ion Ratio	100	Lower	Upper
75	100		
110	8.9	17.2	51.6#
77	0.0	24.8	37.2#

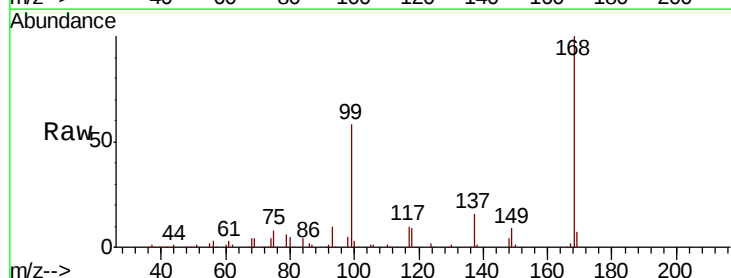


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

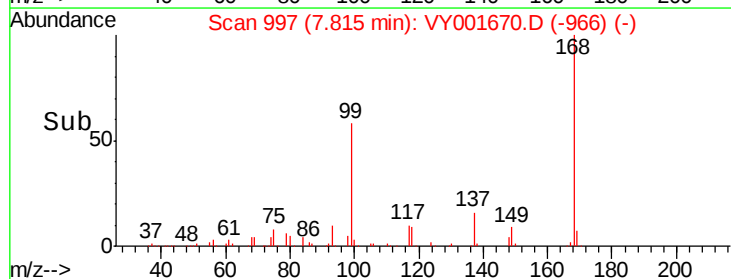
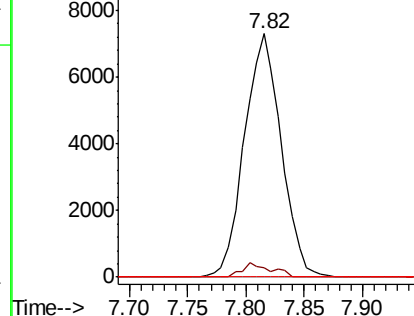


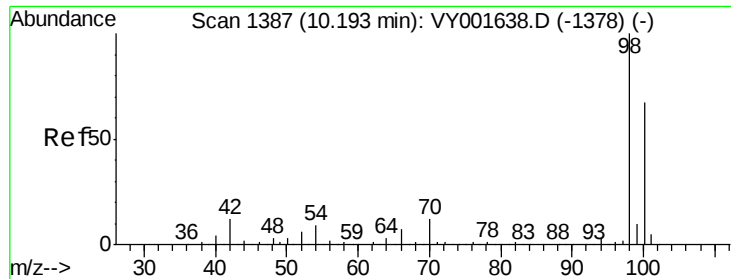
#38
 Carbon Tetrachloride
 Concen: 6.452 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001670.D
 Acq: 18 Feb 2020 14:59

Tgt Ion	117	Resp	16045
Ion Ratio	100	Lower	Upper
117	100		
119	4.0	74.8	112.2#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.526 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001670.D

Acq: 18 Feb 2020 14:59

Instrument :

MSVOA_Y

ClientSampleId :

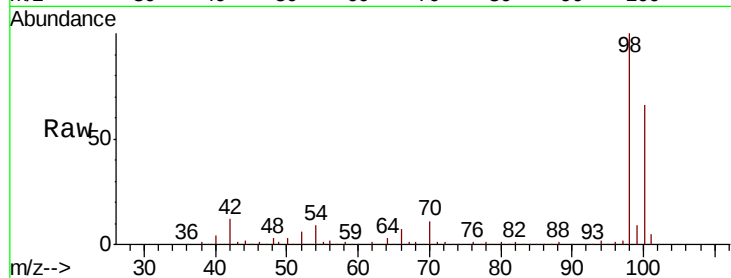
FK-SF-01-007-A

Tot Ion: 98 Resp: 349359

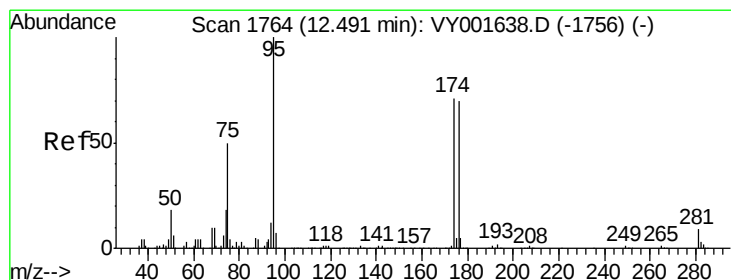
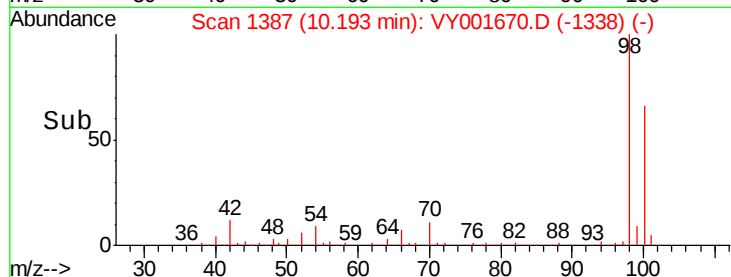
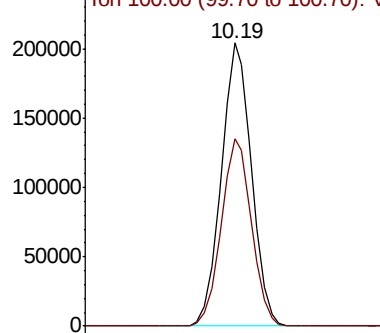
Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001670.D (-1338) (-)



#62

4-Bromofluorobenzene

Concen: 42.832 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001670.D

Acq: 18 Feb 2020 14:59

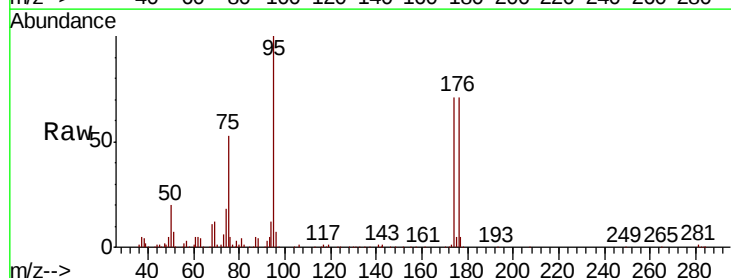
Tgt Ion: 95 Resp: 110674

Ion Ratio Lower Upper

95 100

174 73.7 0.0 138.4

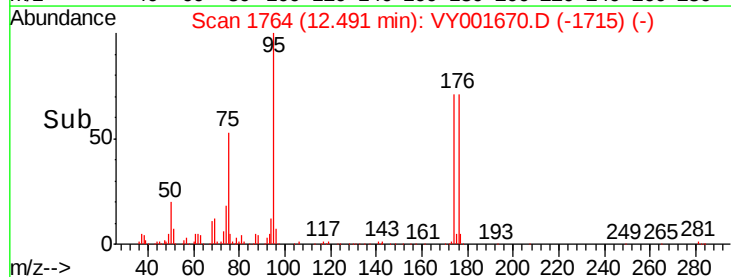
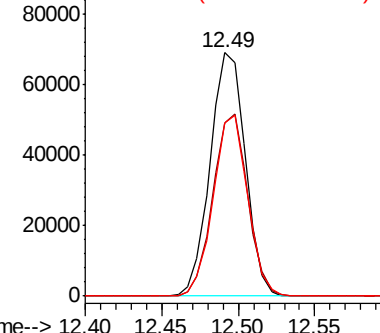
176 72.8 0.0 131.8

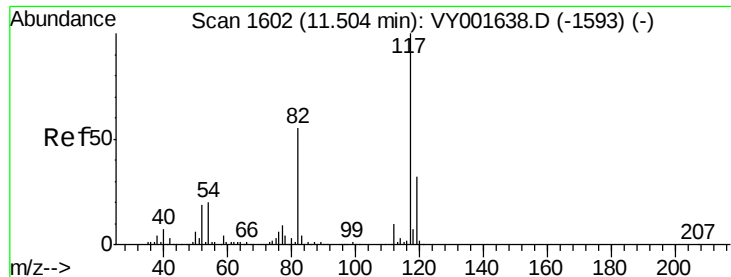


Abundance Ion 94.90 (94.60 to 95.60): VY001670.D (-1715) (-)

Ion 173.80 (173.50 to 174.50): VY001670.D (-1715) (-)

Ion 175.80 (175.50 to 176.50): VY001670.D (-1715) (-)

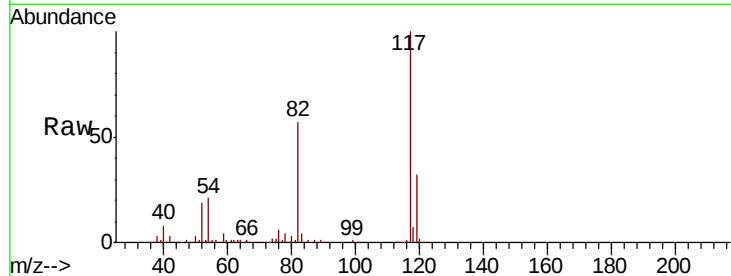




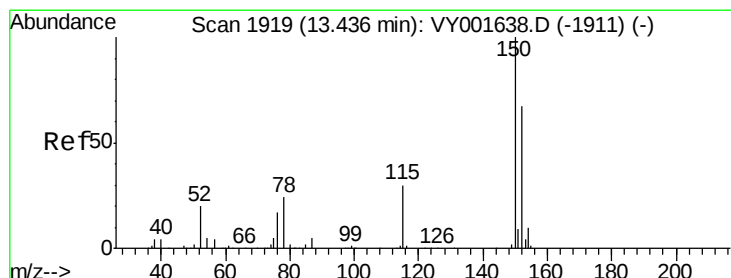
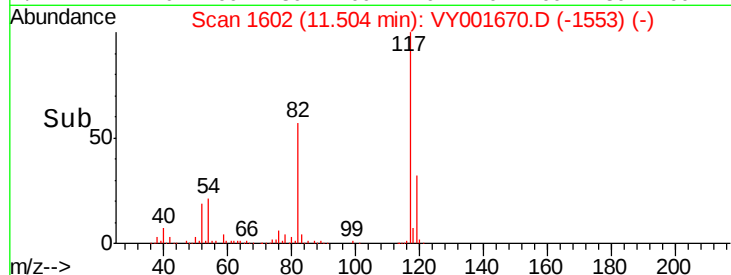
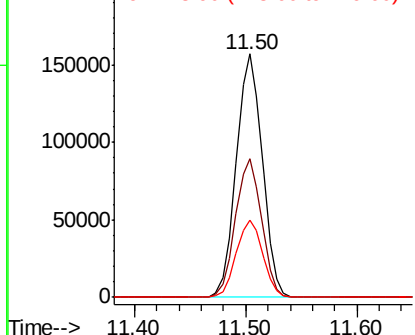
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001670.D
Acq: 18 Feb 2020 14:59

Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-01-007-A

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.5	68.3
119	31.5	25.8	38.6

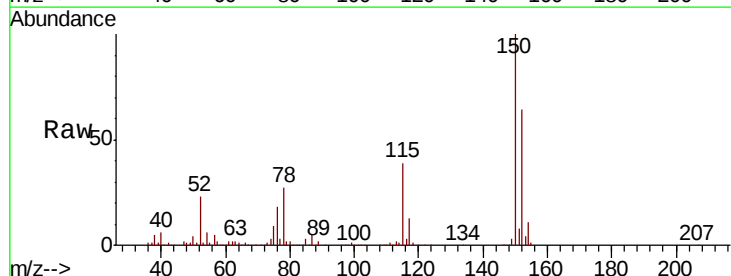


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

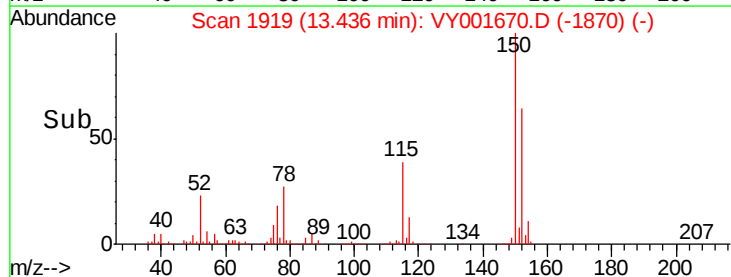
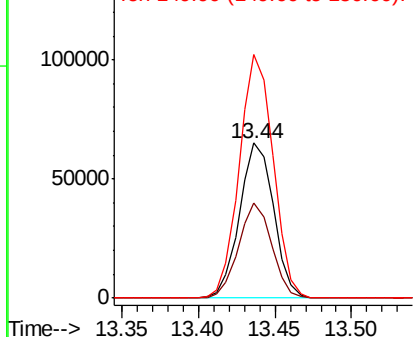


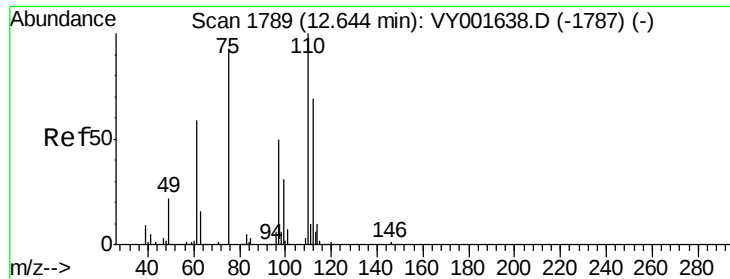
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001670.D
Acq: 18 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	31.4	94.2
150	156.3	0.0	407.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

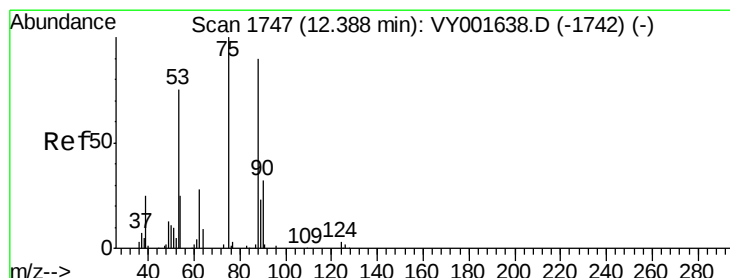
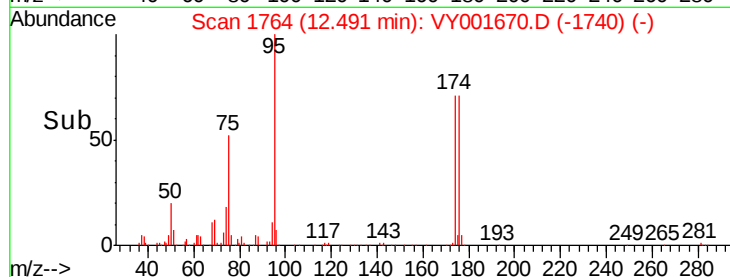
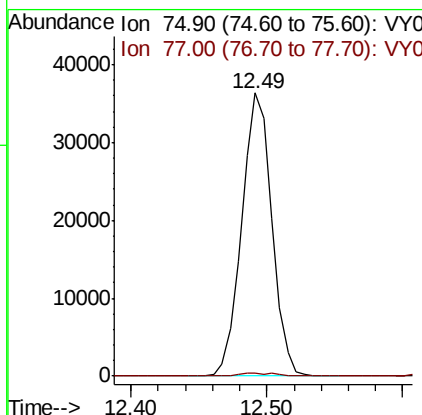
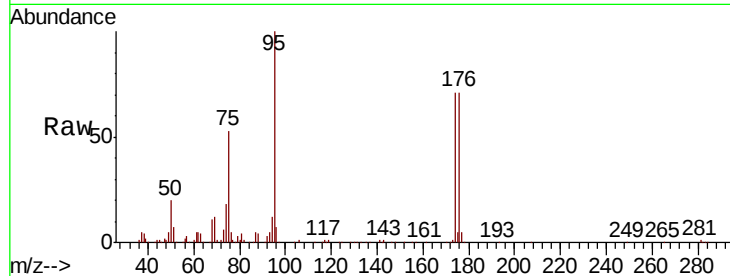




#76
 1,2,3-Trichloropropane
 Concen: 48.758 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY001670.D
 Acq: 18 Feb 2020 14:59

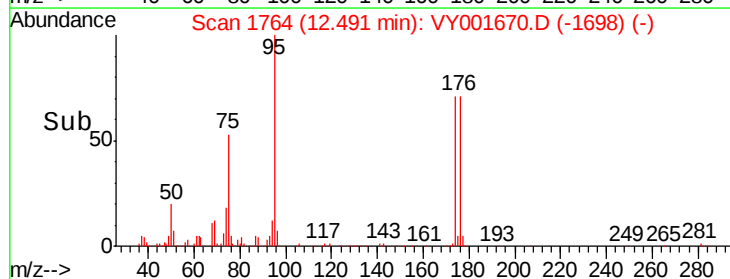
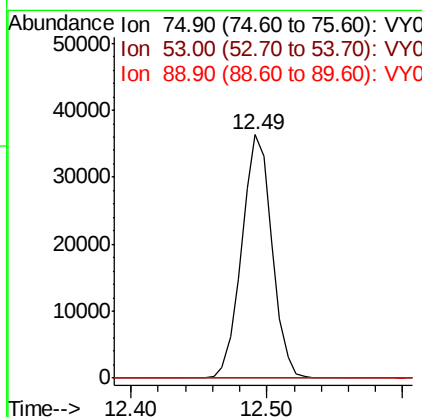
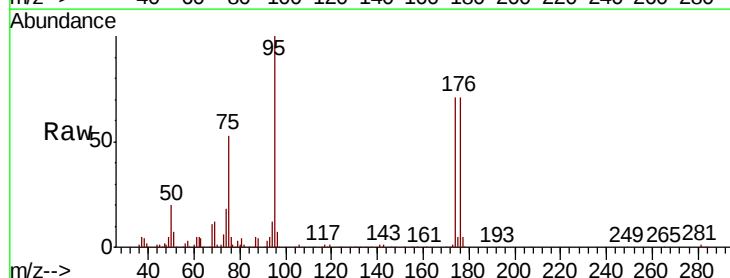
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-01-007-A

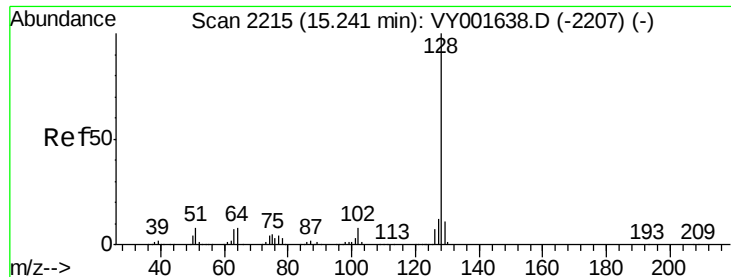
Tot Ion: 75 Resp: 56266
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.503 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001670.D
 Acq: 18 Feb 2020 14:59

Tgt Ion: 75 Resp: 56266
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.5 96.7#
 89 0.0 36.3 54.5#





#95
 Naphthalene
 Concen: 1.200 ug/l
 RT: 15.25 min Scan# 2217
 Delta R.T. 0.01 min
 Lab File: VY001670.D
 Acq: 18 Feb 2020 14:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-01-007-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.9	14.9
129	13.9	8.6	13.0#

