

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
 Data File : VY001802.D
 Acq On : 28 Feb 2020 16:48
 Operator : SY/MD
 Sample : L1736-02
 Misc : 4.27G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-01-010-A

Quant Time: Feb 28 22:32:55 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	145447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	278000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	241495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	92456	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	92578	59.17	ug/l	0.00
Spiked Amount			Recovery	=	118.34%	
35) Dibromofluoromethane	7.75	113	65568	41.18	ug/l	0.00
Spiked Amount			Recovery	=	82.36%	
50) Toluene-d8	10.20	98	331639	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.49	95	103924	42.88	ug/l	0.00
Spiked Amount			Recovery	=	85.76%	

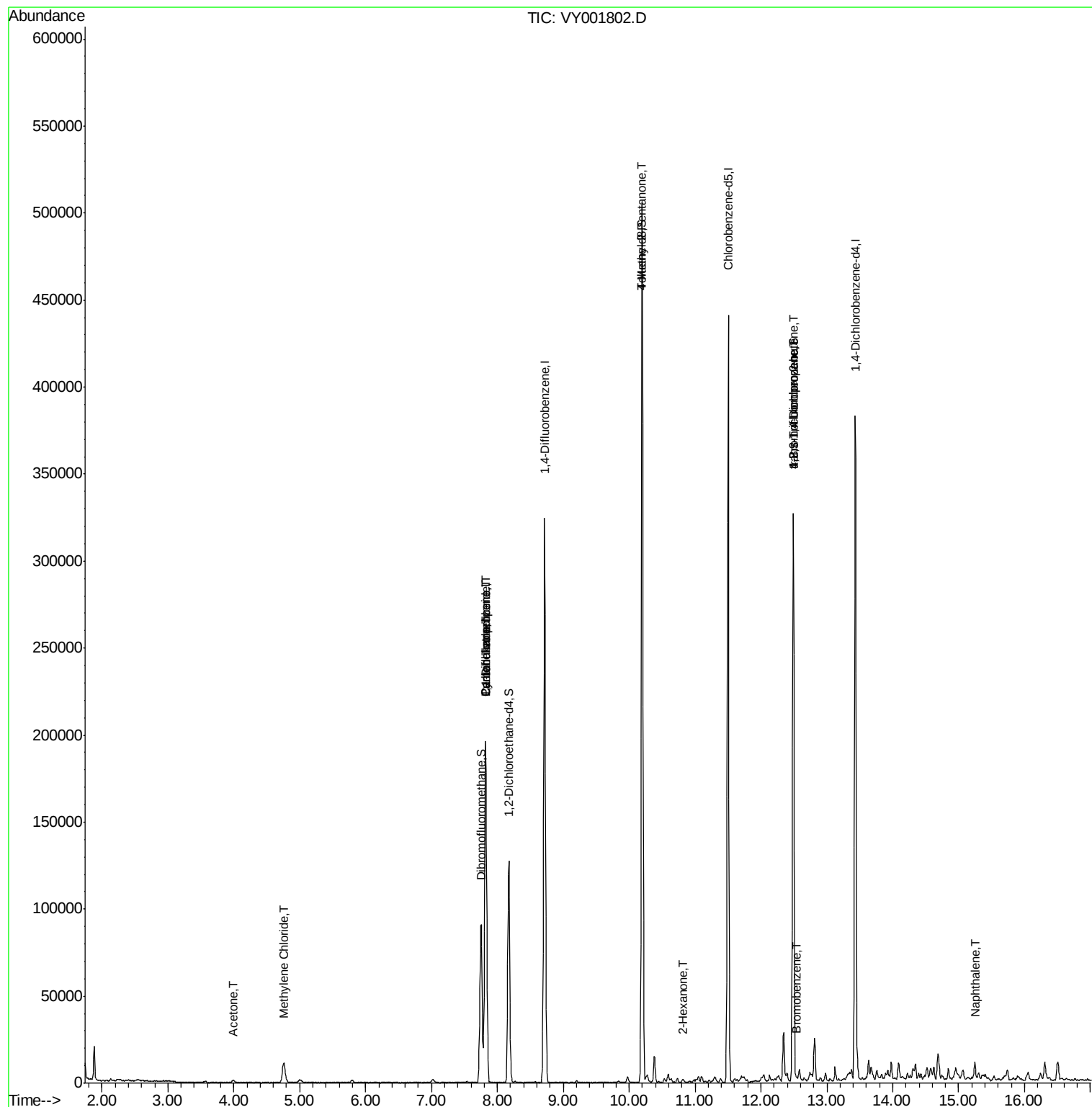
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	3519	Below Cal	#	88
16) Acetone	3.99	43	2349	4.339	ug/l	95
20) Methylene Chloride	4.76	84	8587	4.466	ug/l	98
31) Cyclohexane	7.82	56	3375	1.027	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12721	4.791	ug/l #	50
38) Carbon Tetrachloride	7.83	117	14764	6.330	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1693	1.096	ug/l #	1
59) 2-Hexanone	10.82	43	1400	1.208	ug/l #	23
76) 1,2,3-Trichloropropane	12.49	75	53894	50.815	ug/l #	100
77) Bromobenzene	12.55	156	2009	1.316	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	53894	96.405	ug/l #	17
95) Naphthalene	15.25	128	7024	1.682	ug/l	97

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

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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# 998

Delta R.T. 0.01 min

Lab File: VY001802.D

Acq: 28 Feb 2020 16:48

Instrument :

MSVOA_Y

ClientSampleId :

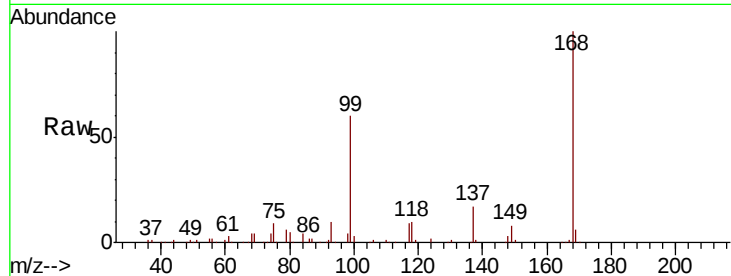
FK-SF-01-010-A

Tot Ion:168 Resp: 145447

Ion Ratio Lower Upper

168 100

99 59.9 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001802.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001802.D (-948) (-)

7.82

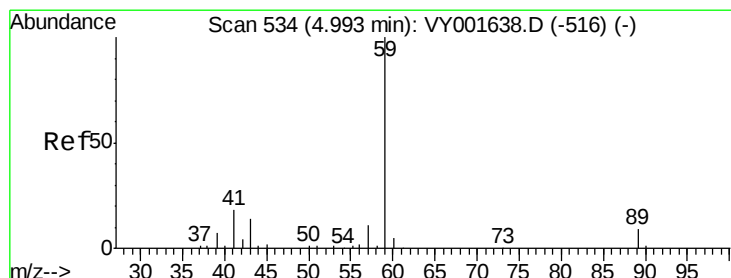
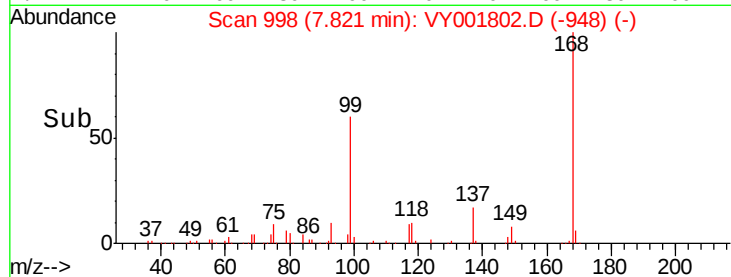
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY001802.D

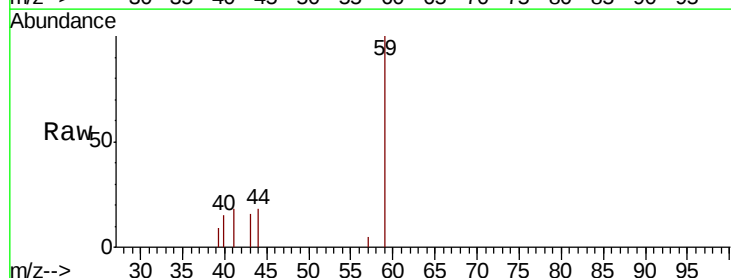
Acq: 28 Feb 2020 16:48

Tgt Ion: 59 Resp: 3519

Ion Ratio Lower Upper

59 100

57 4.8 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001802.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001802.D (-485) (-)

4.99

1200

1000

800

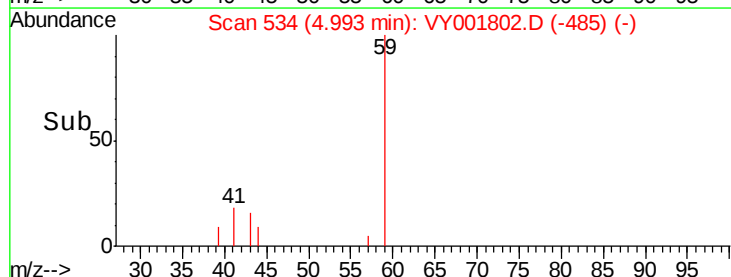
600

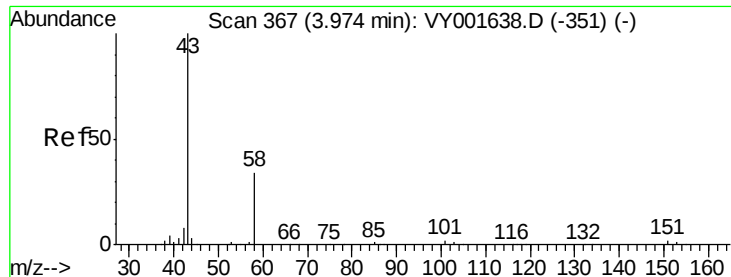
400

200

0

Time--> 4.90 5.00 5.10





#16

Acetone

Concen: 4.339 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY001802.D

Acq: 28 Feb 2020 16:48

Instrument :

MSVOA_Y

ClientSampleId :

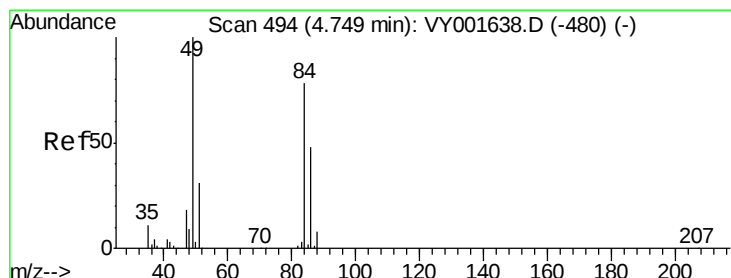
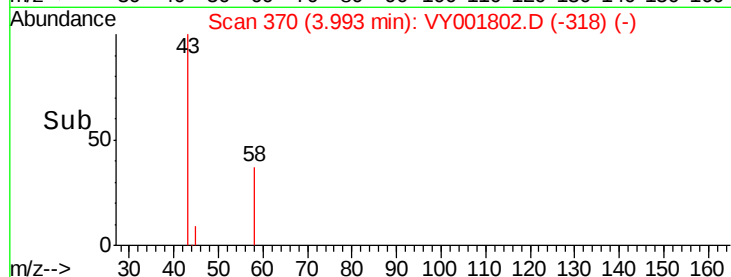
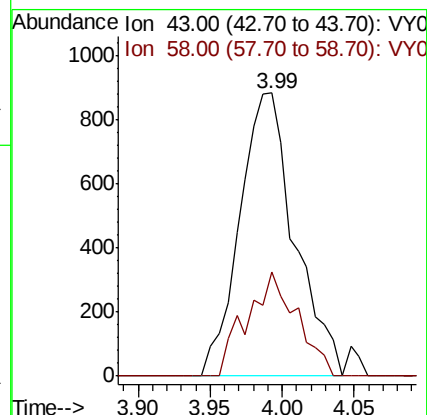
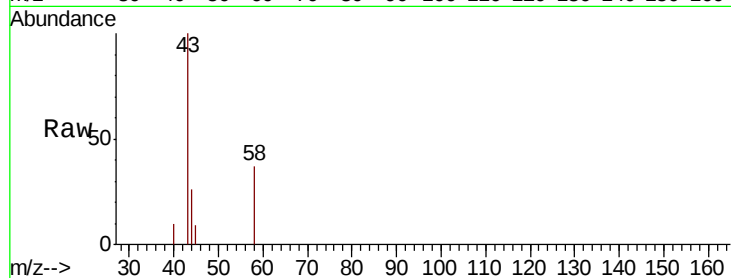
FK-SF-01-010-A

Tot Ion: 43 Resp: 2349

Ion Ratio Lower Upper

43 100

58 37.0 27.3 40.9



#20

Methylene Chloride

Concen: 4.466 ug/l

RT: 4.76 min Scan# 496

Delta R.T. 0.01 min

Lab File: VY001802.D

Acq: 28 Feb 2020 16:48

Tgt Ion: 84 Resp: 8587

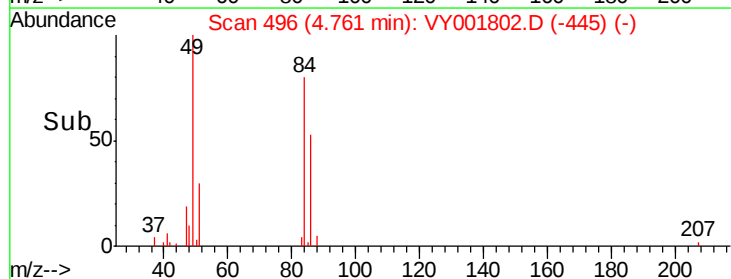
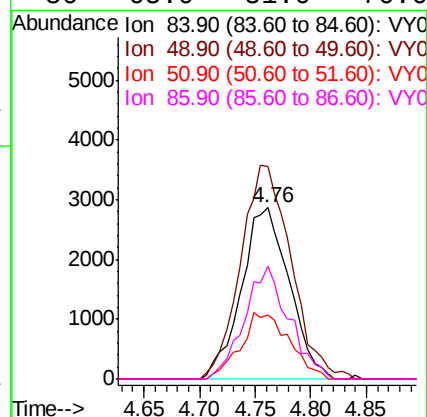
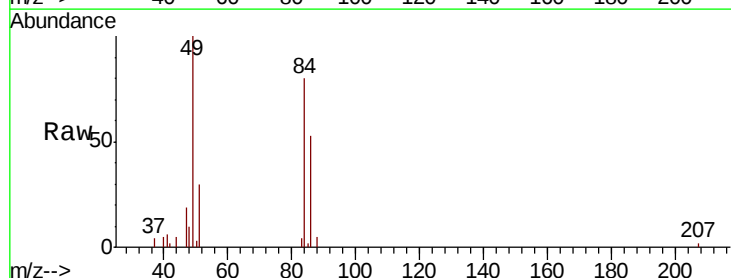
Ion Ratio Lower Upper

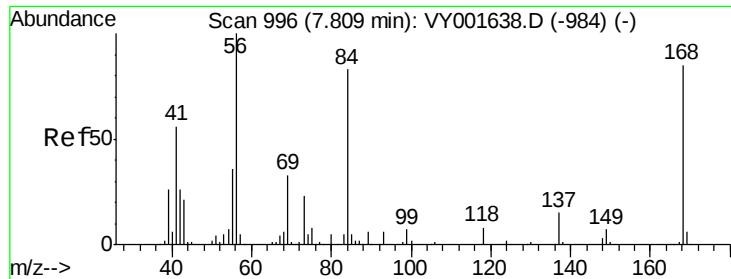
84 100

49 124.5 99.2 148.8

51 37.2 31.5 47.3

86 65.9 51.0 76.6

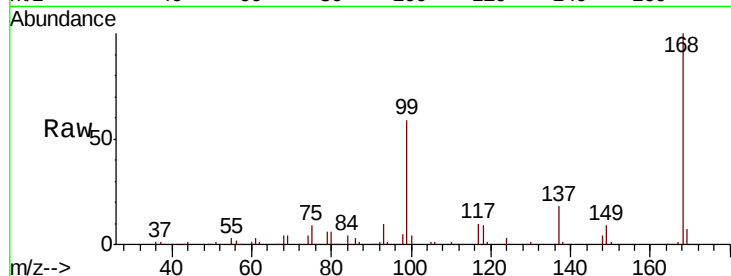




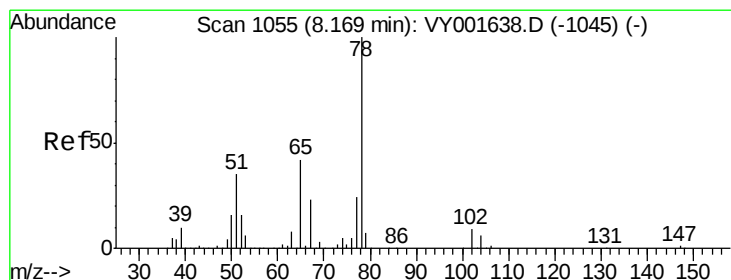
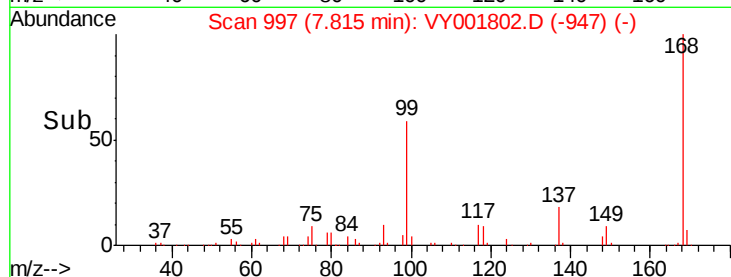
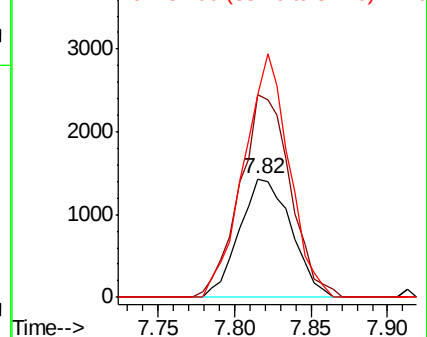
#31
Cyclohexane
Concen: 1.027 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY001802.D
Acq: 28 Feb 2020 16:48

Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-01-010-A

Tot Ion: 56 Resp: 3375
Ion Ratio Lower Upper
56 100
69 170.9 25.1 37.7#
84 170.1 66.9 100.3#

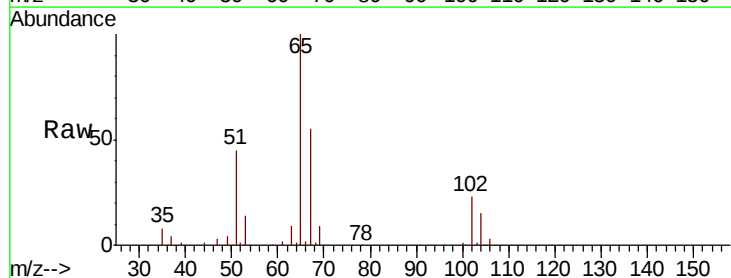


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

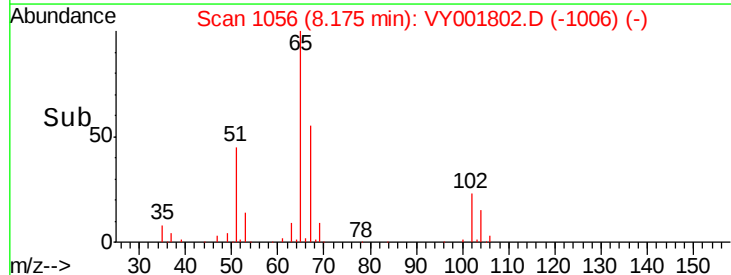
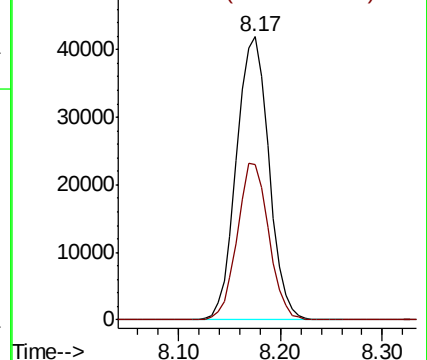


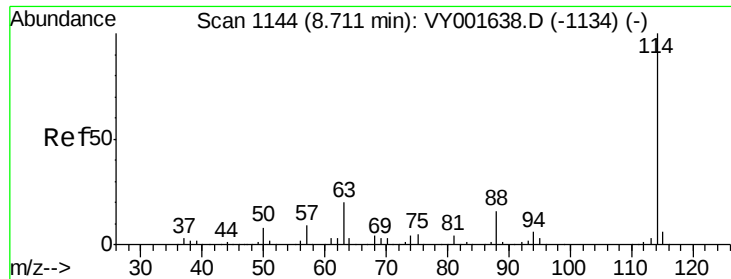
#33
1,2-Dichloroethane-d4
Concen: 59.174 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VY001802.D
Acq: 28 Feb 2020 16:48

Tgt Ion: 65 Resp: 92578
Ion Ratio Lower Upper
65 100
67 53.7 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

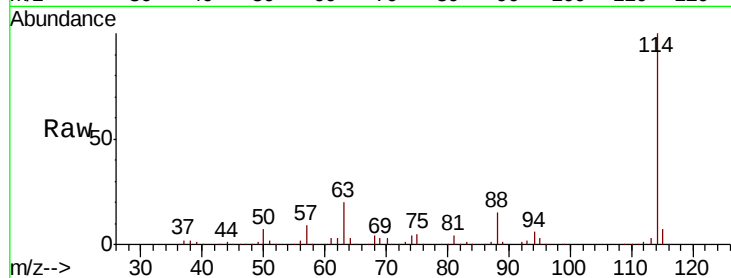




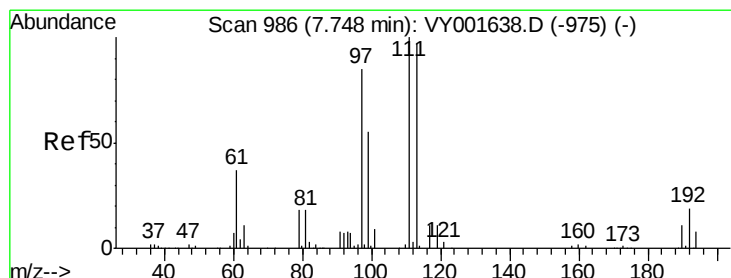
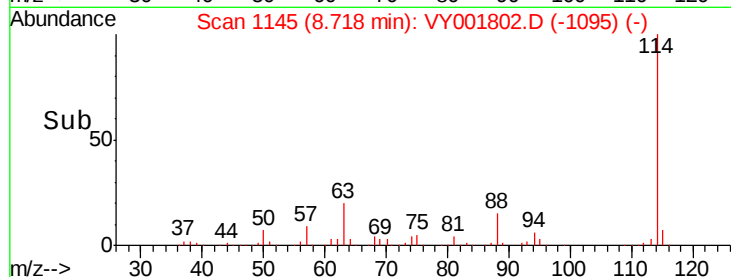
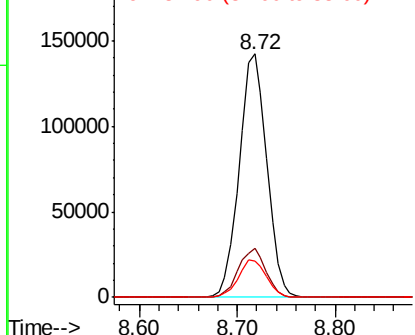
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.72 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VY001802.D
Acq: 28 Feb 2020 16:48

Instrument :
MSVOA_Y
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FK-SF-01-010-A

Tot Ion:114 Resp: 278000
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.4
88 15.1 0.0 32.8

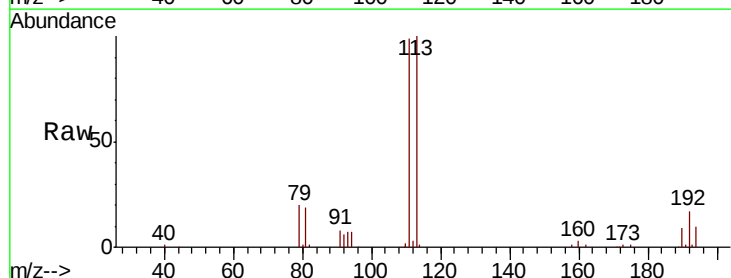


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

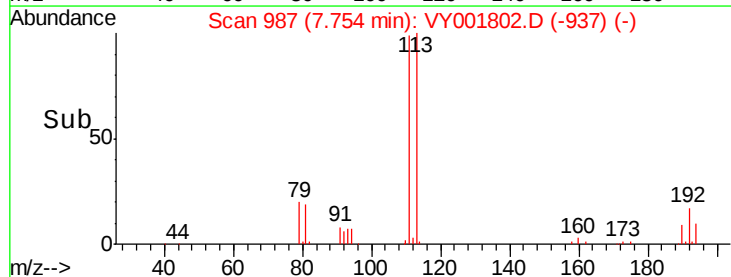
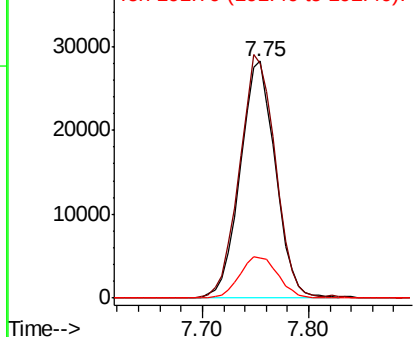


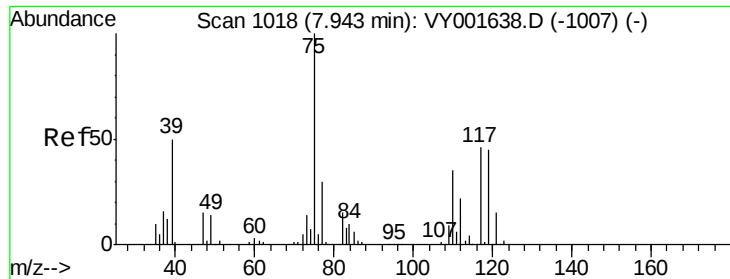
#35
Dibromofluoromethane
Concen: 41.179 ug/l
RT: 7.75 min Scan# 987
Delta R.T. 0.01 min
Lab File: VY001802.D
Acq: 28 Feb 2020 16:48

Tgt Ion:113 Resp: 65568
Ion Ratio Lower Upper
113 100
111 104.6 81.9 122.9
192 19.0 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

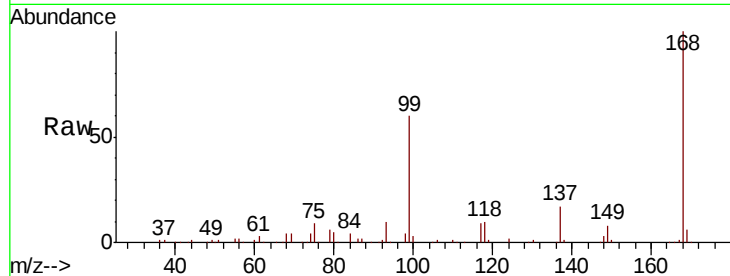




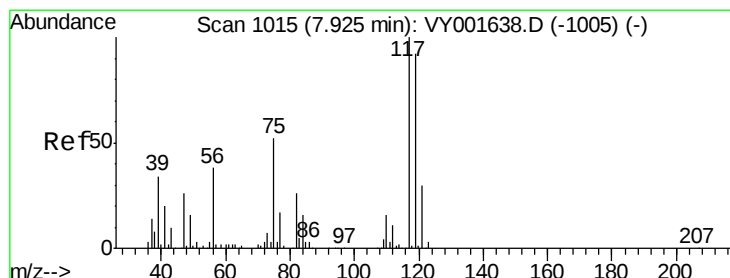
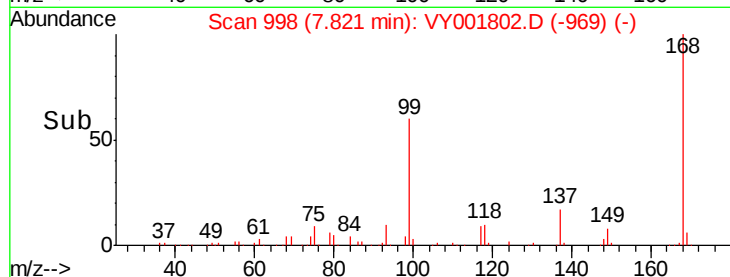
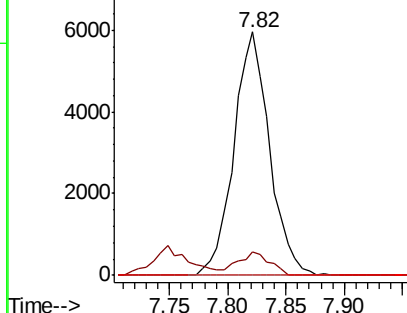
#36
 1,1-Dichloropropene
 Concen: 4.791 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001802.D
 Acq: 28 Feb 2020 16:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-01-010-A

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

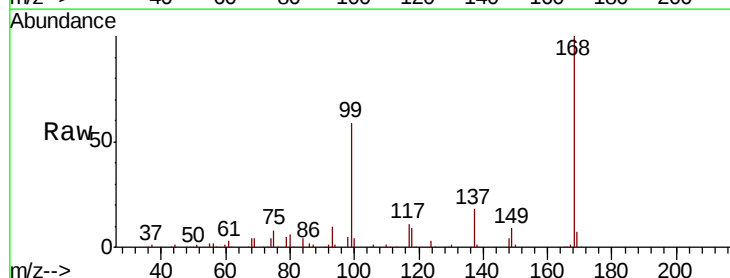


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

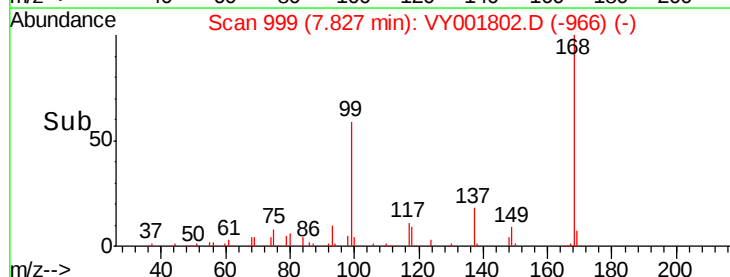
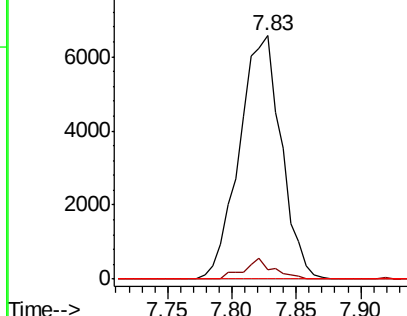


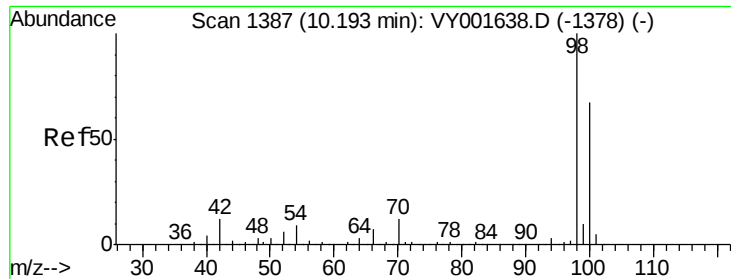
#38
 Carbon Tetrachloride
 Concen: 6.330 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.10 min
 Lab File: VY001802.D
 Acq: 28 Feb 2020 16:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	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: 53.164 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001802.D

Acq: 28 Feb 2020 16:48

Instrument :

MSVOA_Y

ClientSampleId :

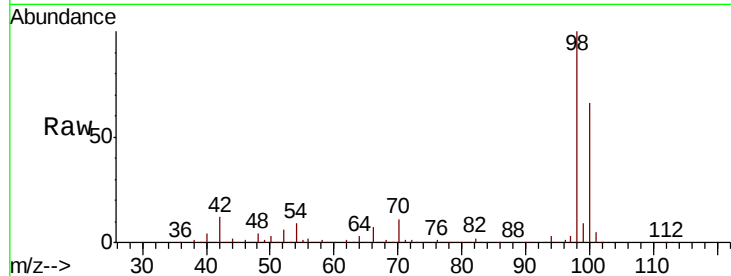
FK-SF-01-010-A

Tot Ion: 98 Resp: 331639

Ion Ratio Lower Upper

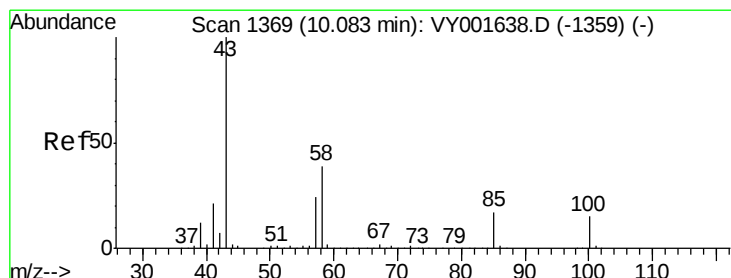
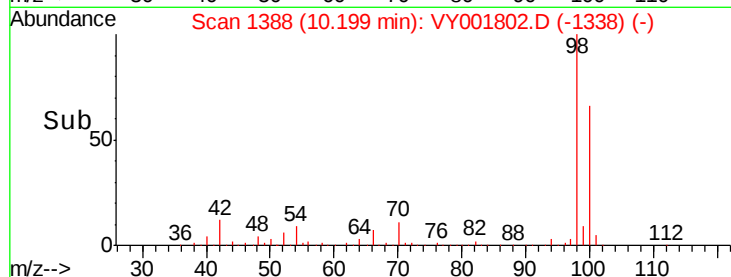
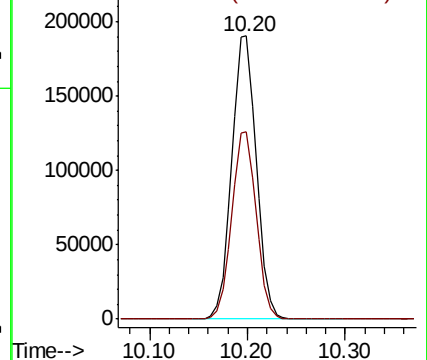
98 100

100 65.8 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#51

4-Methyl-2-Pentanone

Concen: 1.096 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001802.D

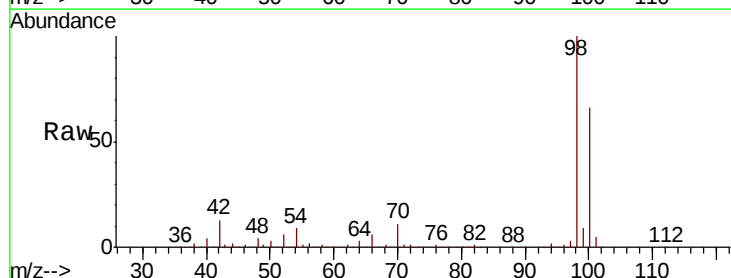
Acq: 28 Feb 2020 16:48

Tgt Ion: 43 Resp: 1693

Ion Ratio Lower Upper

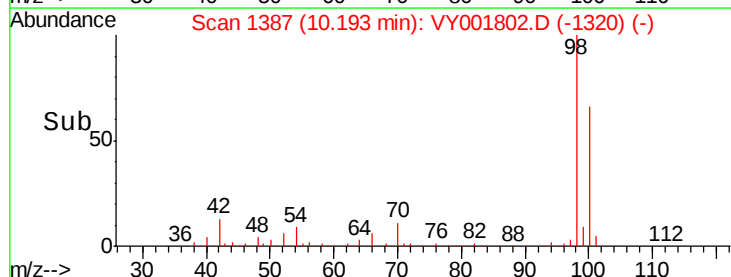
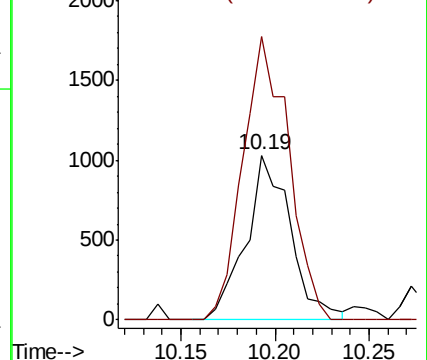
43 100

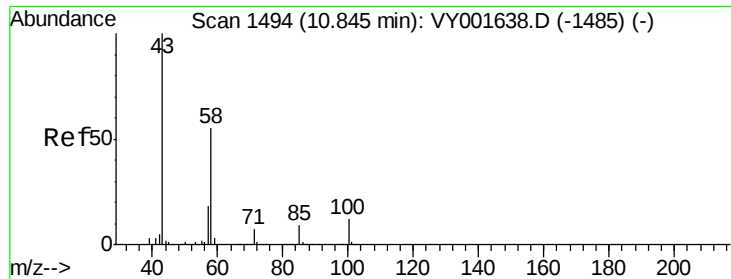
58 176.3 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

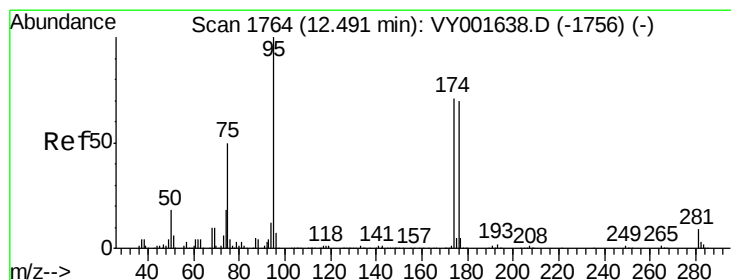
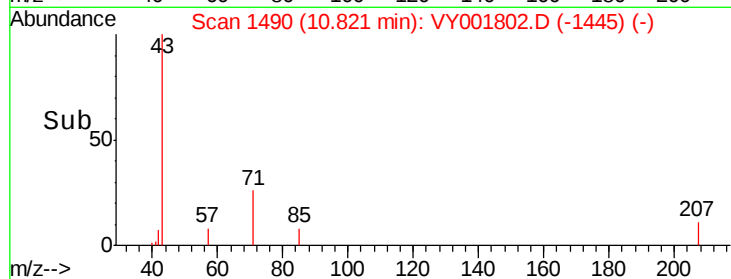
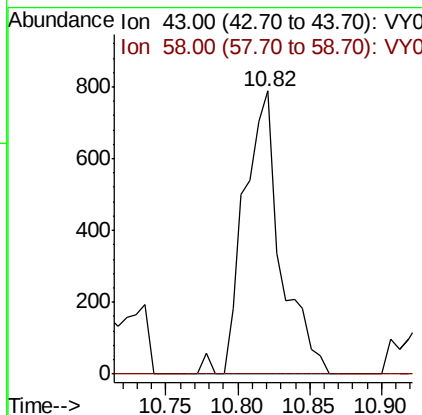
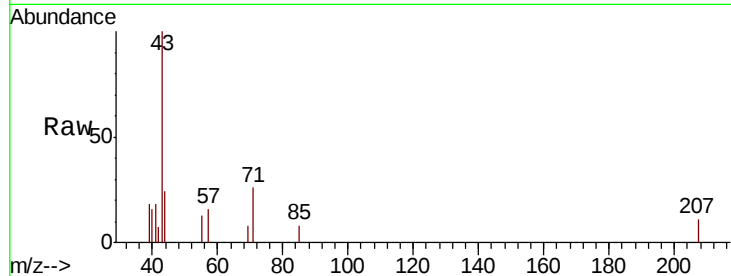




#59
2-Hexanone
Concen: 1.208 ug/l
RT: 10.82 min Scan# 1490
Delta R.T. -0.02 min
Lab File: VY001802.D
Acq: 28 Feb 2020 16:48

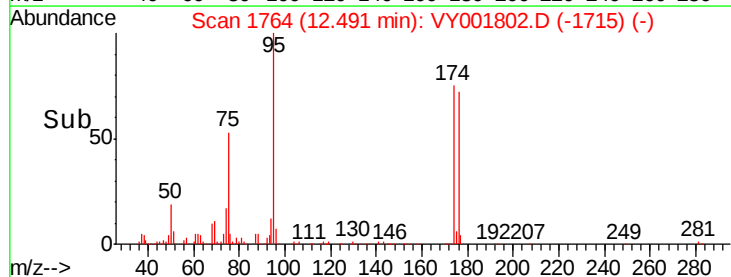
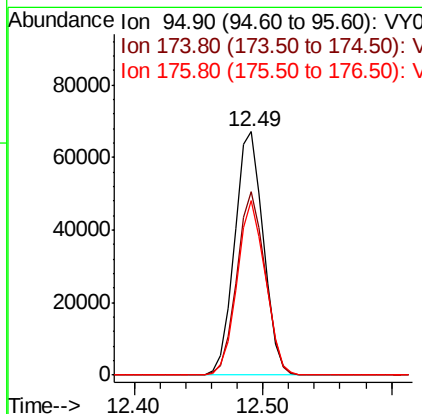
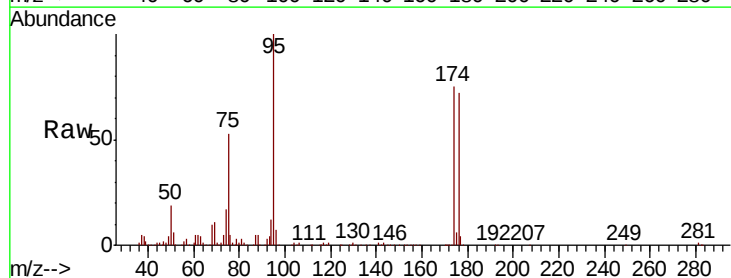
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ClientSampleId :
FK-SF-01-010-A

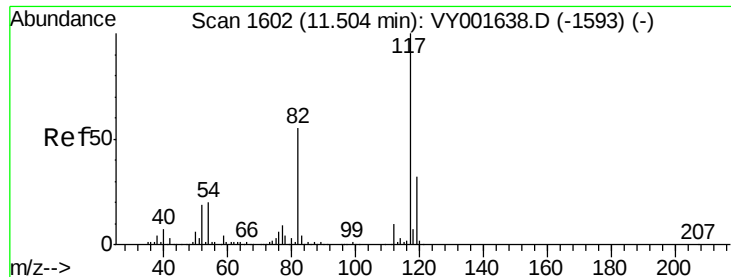
Tot Ion: 43 Resp: 1400
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 42.883 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001802.D
Acq: 28 Feb 2020 16:48

Tgt Ion: 95 Resp: 103924
Ion Ratio Lower Upper
95 100
174 73.9 0.0 138.4
176 70.6 0.0 131.8

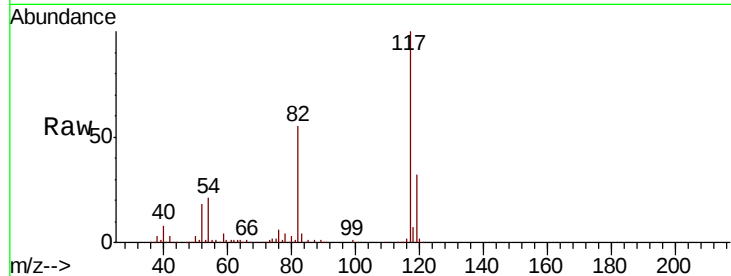




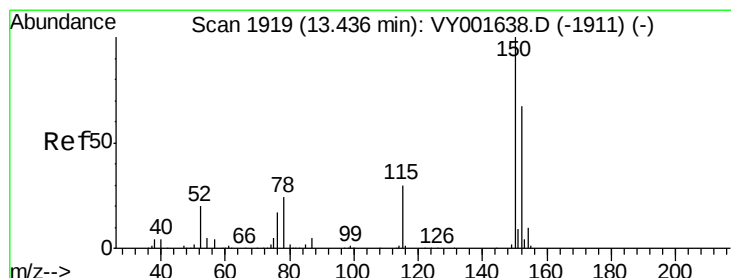
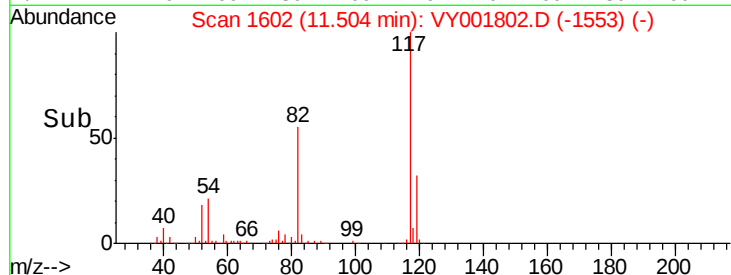
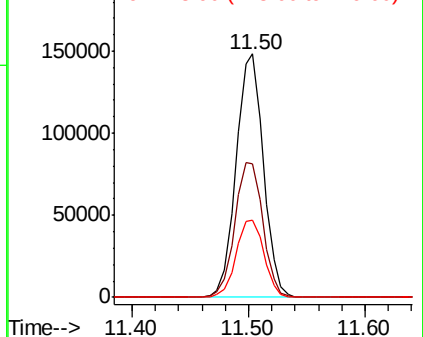
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001802.D
Acq: 28 Feb 2020 16:48

Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-01-010-A

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.5	68.3
119	31.6	25.8	38.6

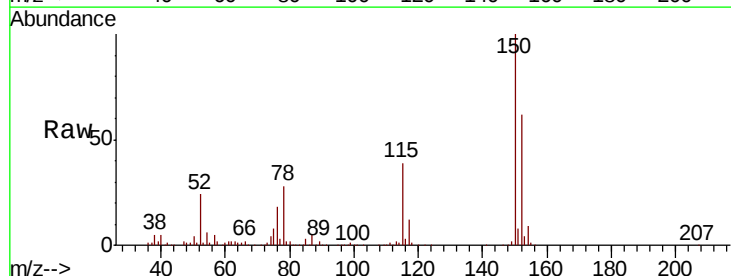


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

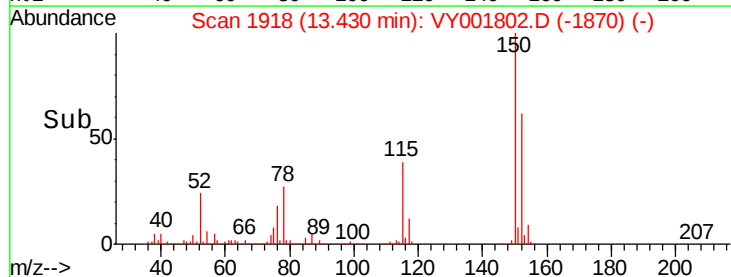
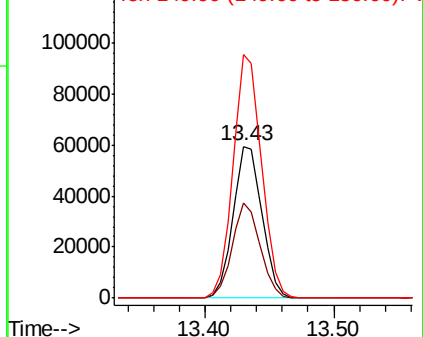


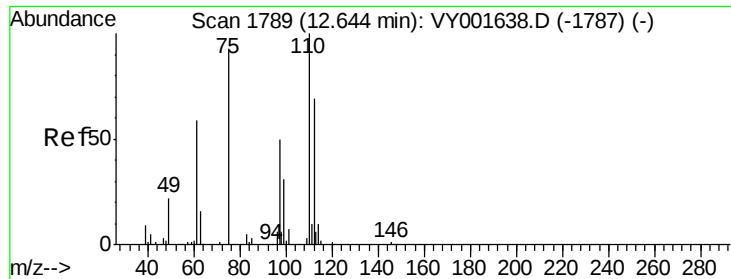
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001802.D
Acq: 28 Feb 2020 16:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	31.4	94.2
150	158.4	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

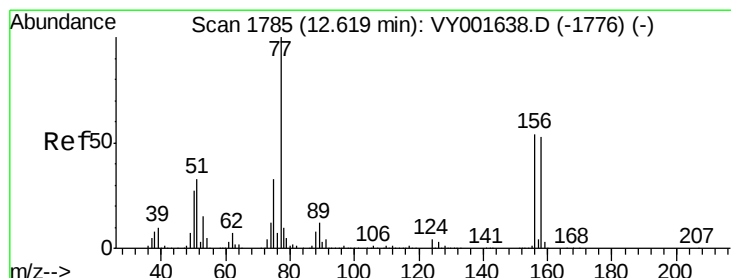
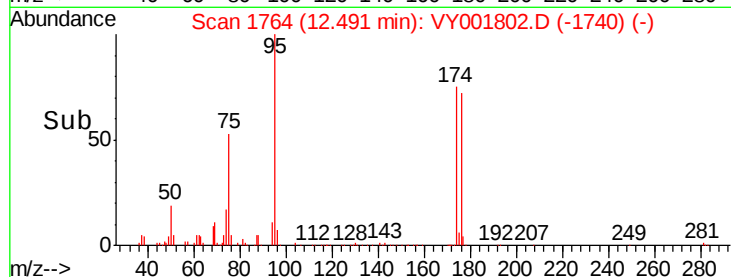
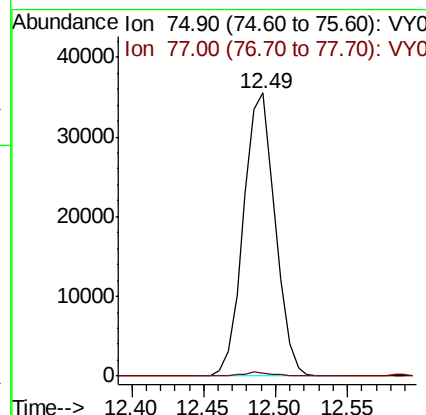
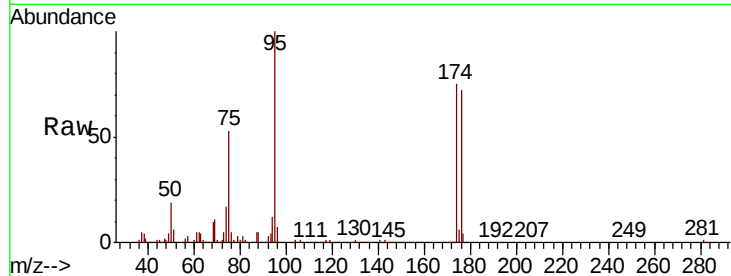




#76
 1,2,3-Trichloropropane
 Concen: 50.815 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY001802.D
 Acq: 28 Feb 2020 16:48

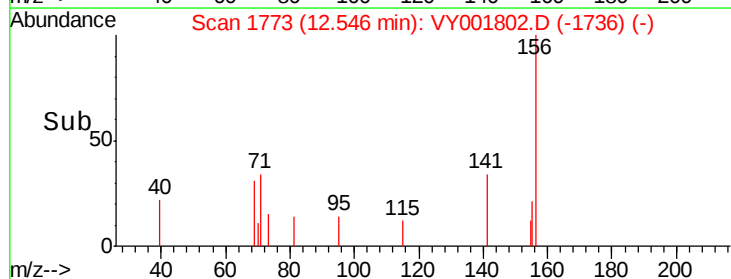
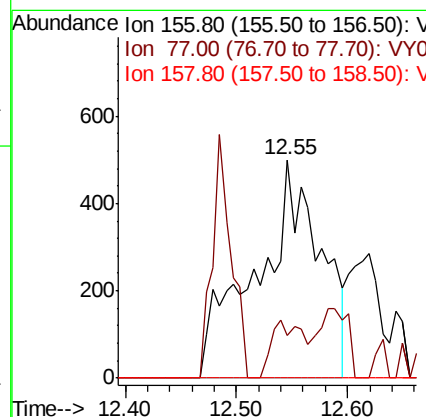
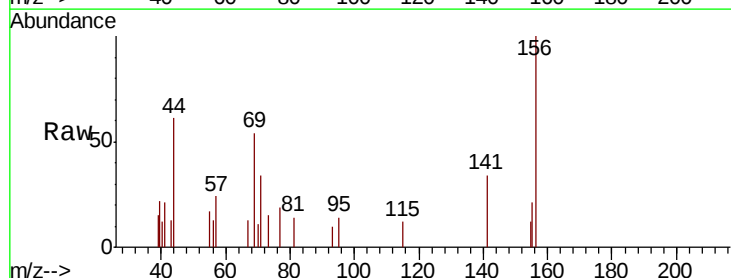
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-01-010-A

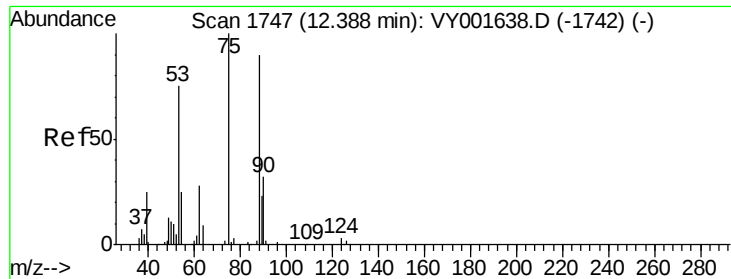
Tot Ion: 75 Resp: 53894
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#77
 Bromobenzene
 Concen: 1.316 ug/l
 RT: 12.55 min Scan# 1773
 Delta R.T. -0.07 min
 Lab File: VY001802.D
 Acq: 28 Feb 2020 16:48

Tgt Ion: 156 Resp: 2009
 Ion Ratio Lower Upper
 156 100
 77 12.8 110.1 330.1#
 158 0.0 47.9 143.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 96.405 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001802.D

Acq: 28 Feb 2020 16:48

Instrument :

MSVOA_Y

ClientSampleId :

FK-SF-01-010-A

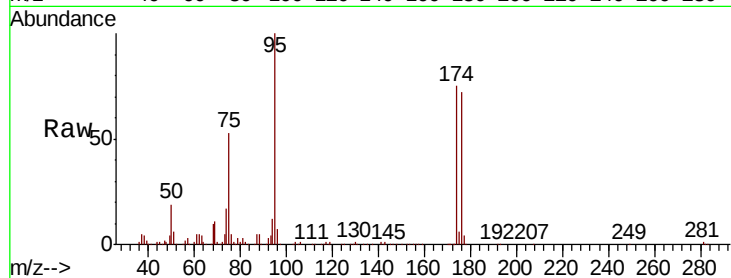
Tot Ion: 75 Resp: 53894

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

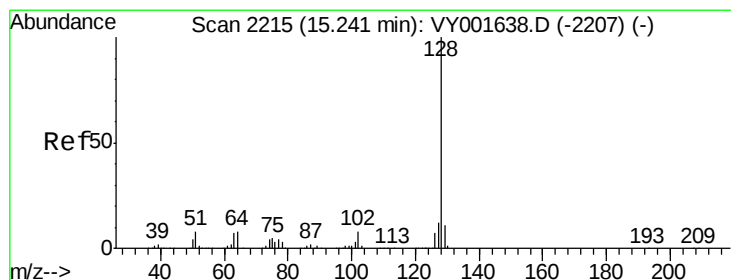
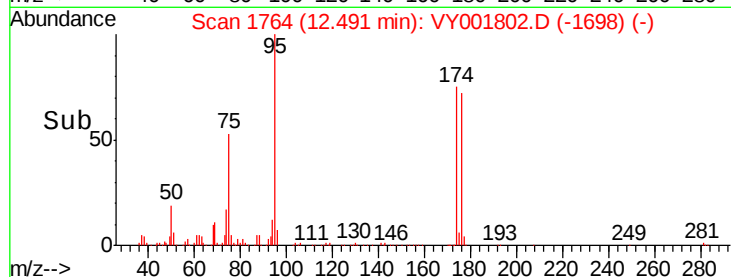
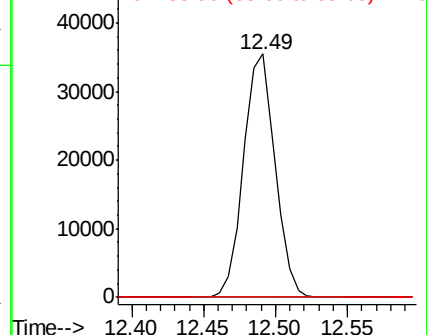
89 0.3 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#95

Naphthalene

Concen: 1.682 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001802.D

Acq: 28 Feb 2020 16:48

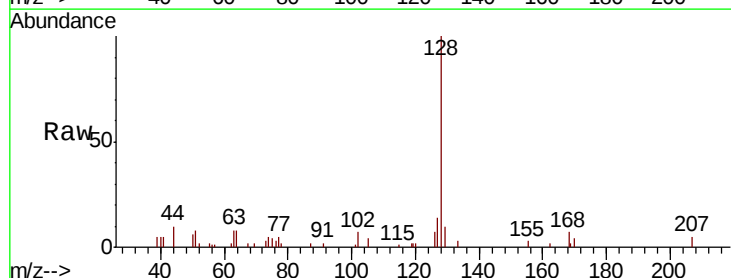
Tgt Ion:128 Resp: 7024

Ion Ratio Lower Upper

128 100

127 14.1 9.9 14.9

129 11.2 8.6 13.0



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

