

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001674.D
 Acq On : 18 Feb 2020 16:27
 Operator : SY/MD
 Sample : L1552-04
 Misc : 6.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-01-008-B

Quant Time: Feb 19 06:47:16 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	7.81	168	157092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	287261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	253725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	100780	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	93945	55.60	ug/l	0.00
Spiked Amount			Recovery	=	111.20%	
35) Dibromofluoromethane	7.74	113	63052	38.32	ug/l	0.00
Spiked Amount			Recovery	=	76.64%	
50) Toluene-d8	10.19	98	343053	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	
62) 4-Bromofluorobenzene	12.49	95	111353	44.47	ug/l	0.00
Spiked Amount			Recovery	=	88.94%	

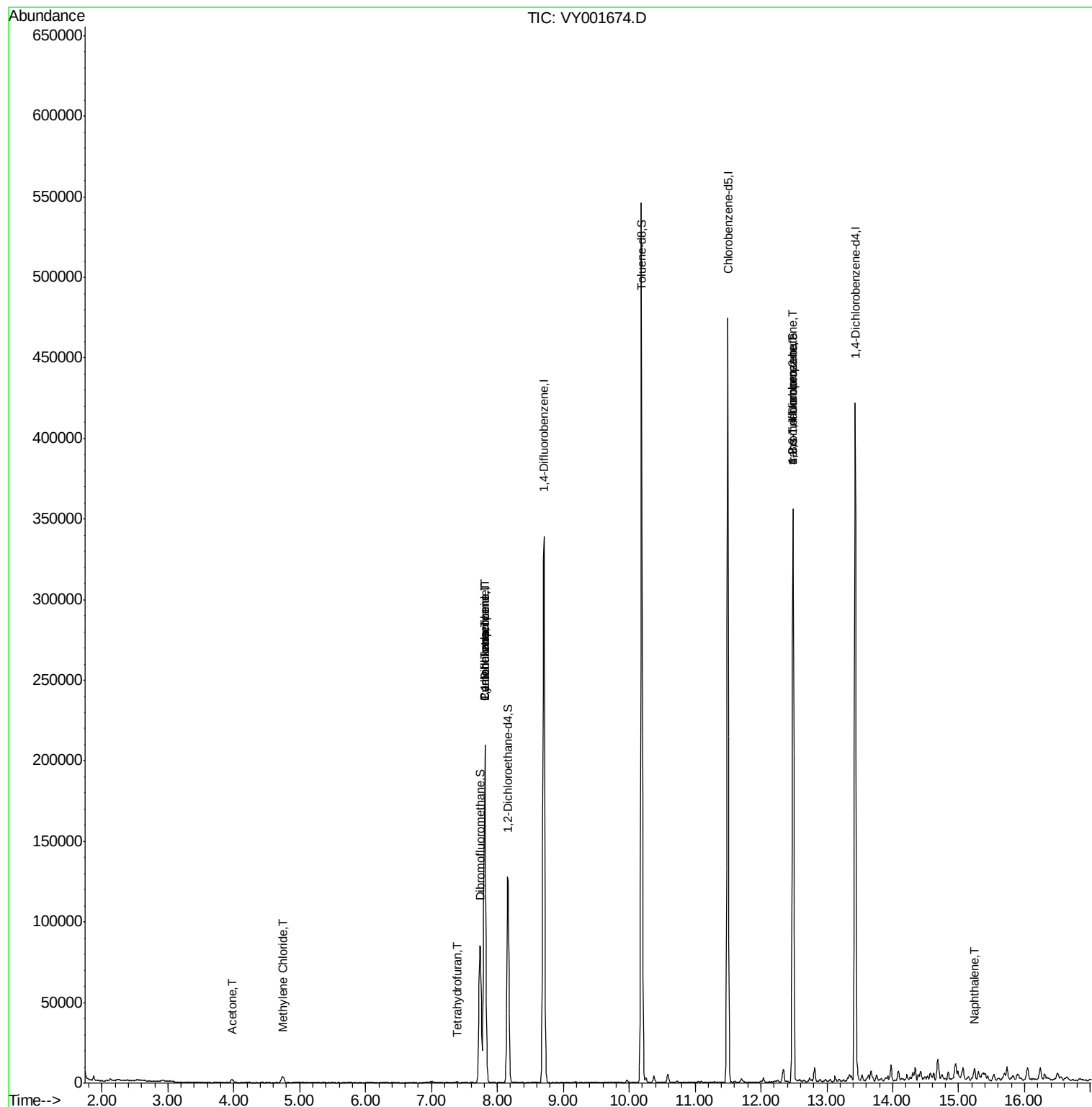
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	249	Below Cal	#	74
16) Acetone	3.97	43	3746	6.407	ug/l	97
20) Methylene Chloride	4.74	84	3008	1.448	ug/l #	83
29) Tetrahydrofuran	7.38	42	535	1.114	ug/l #	66
31) Cyclohexane	7.80	56	4113	1.159	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	12461	4.541	ug/l #	51
38) Carbon Tetrachloride	7.81	117	15903	6.598	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	55802	48.268	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	55802	91.573	ug/l #	17
95) Naphthalene	15.24	128	5117	1.124	ug/l #	96

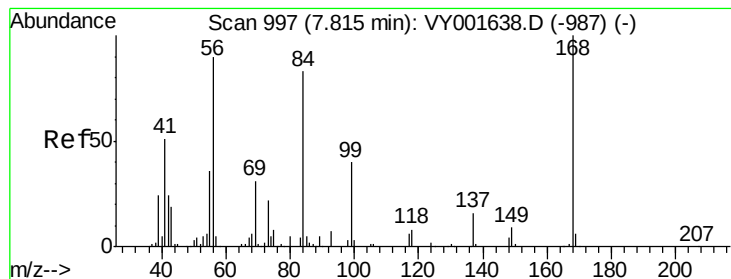
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
Data File : VY001674.D
Acq On : 18 Feb 2020 16:27
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
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: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001674.D

Acq: 18 Feb 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

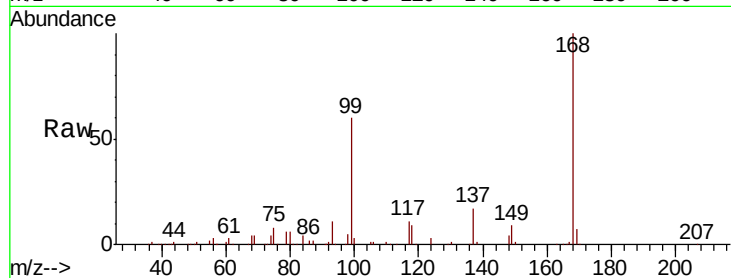
FK-SF-01-008-B

Tot Ion:168 Resp: 157092

Ion Ratio Lower Upper

168 100

99 60.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.81

60000

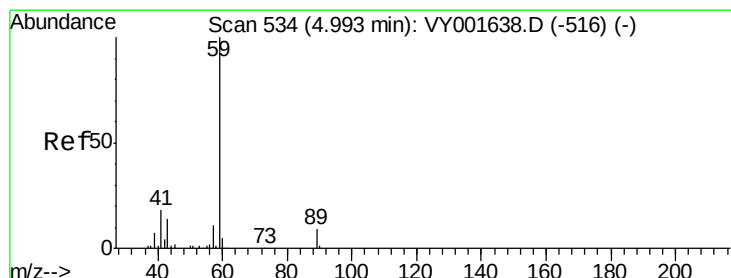
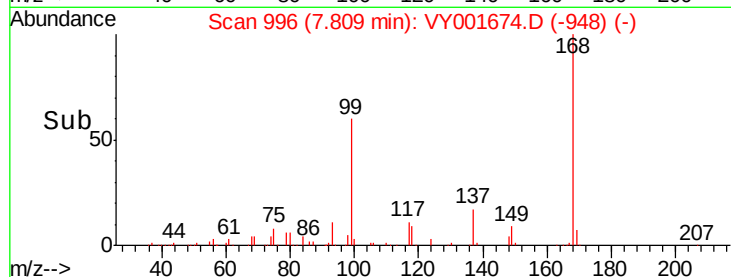
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001674.D

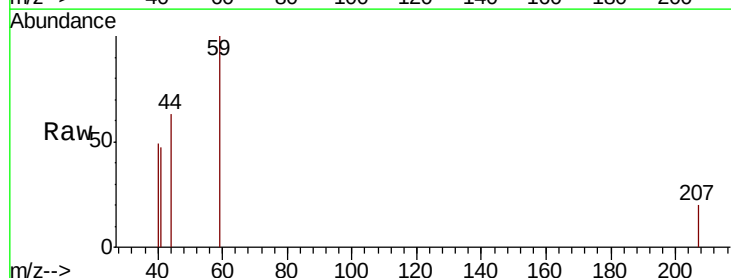
Acq: 18 Feb 2020 16:27

Tgt Ion: 59 Resp: 249

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY001638.D (-516) (-)

4.97

300

250

200

150

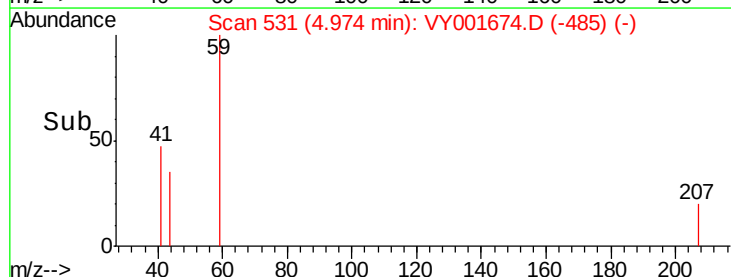
100

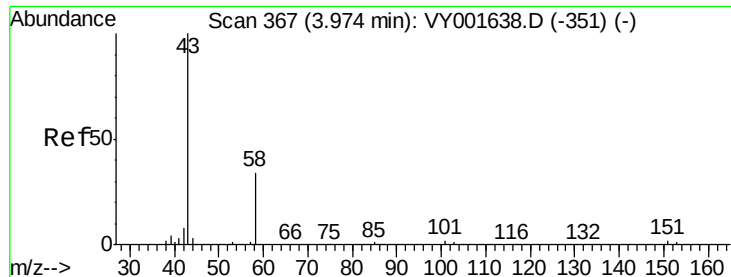
50

0

4.94 4.96 4.98

Time-->





#16

Acetone

Concen: 6.407 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001674.D

Acq: 18 Feb 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

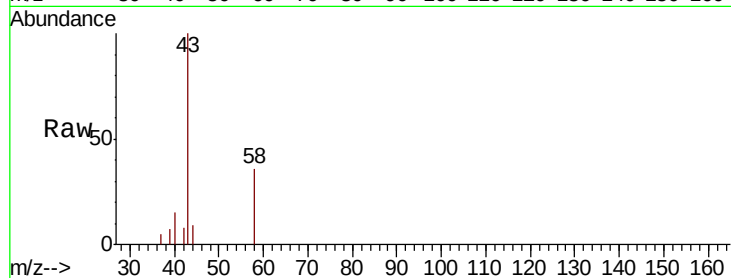
FK-SF-01-008-B

Tot Ion: 43 Resp: 3746

Ion Ratio Lower Upper

43 100

58 36.0 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

1500

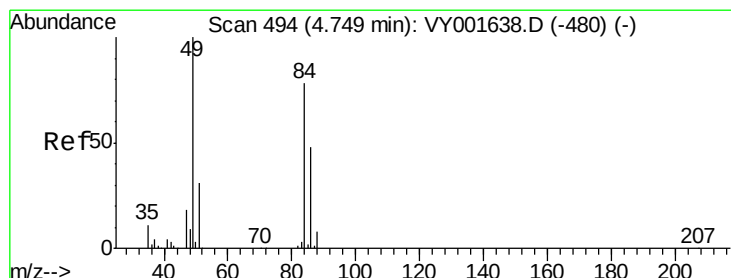
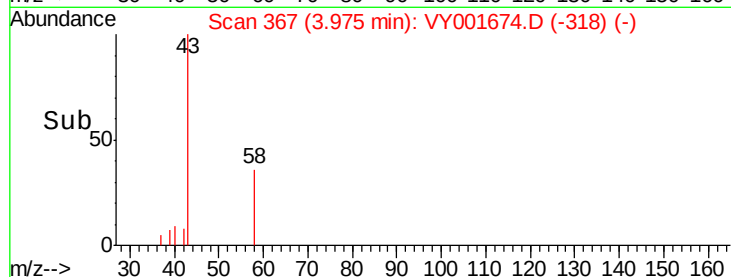
1000

500

0

3.90 4.00 4.10

Time-->



#20

Methylene Chloride

Concen: 1.448 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.01 min

Lab File: VY001674.D

Acq: 18 Feb 2020 16:27

Tgt Ion: 84 Resp: 3008

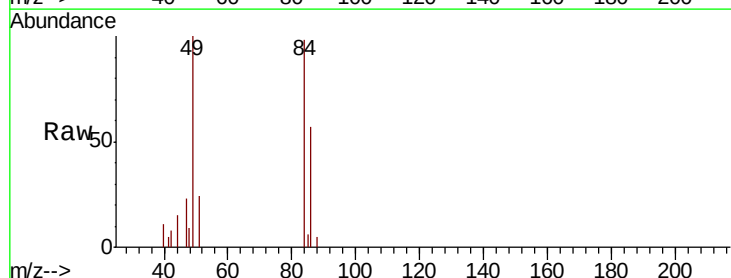
Ion Ratio Lower Upper

84 100

49 101.9 99.2 148.8

51 24.7 31.5 47.3#

86 57.7 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

1500

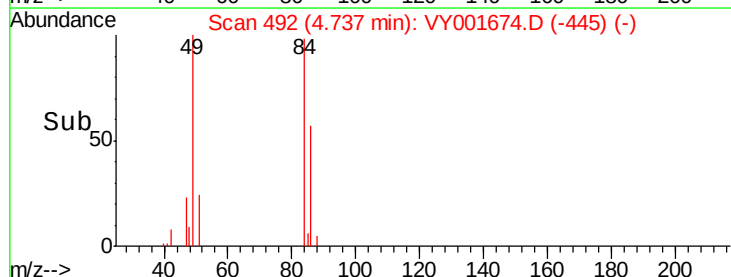
1000

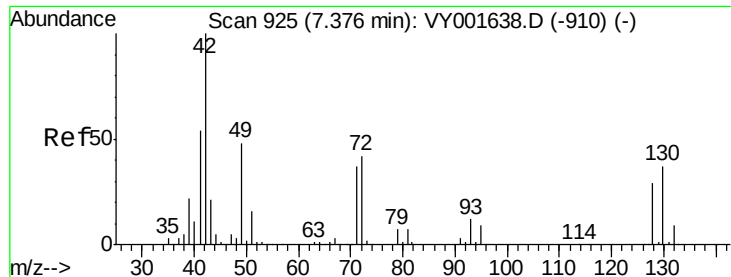
500

0

4.65 4.70 4.75 4.80

Time-->





#29

Tetrahydrofuran

Concen: 1.114 ug/l

RT: 7.38 min Scan# 926

Delta R.T. 0.01 min

Lab File: VY001674.D

Acq: 18 Feb 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

FK-SF-01-008-B

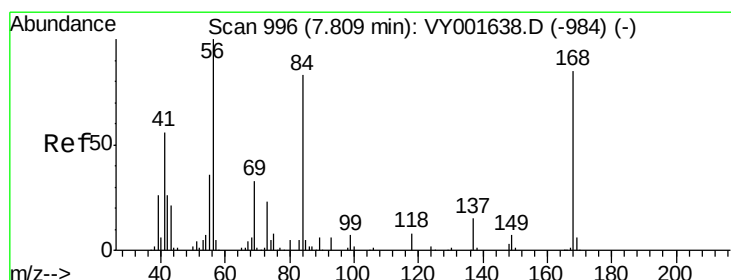
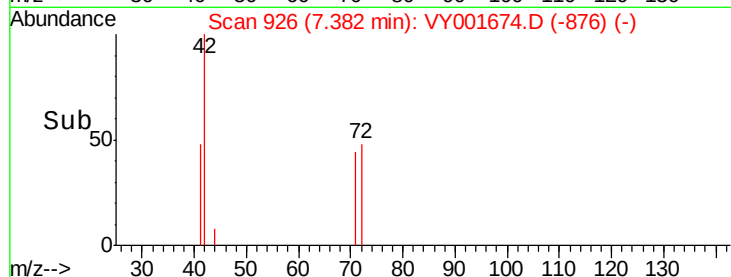
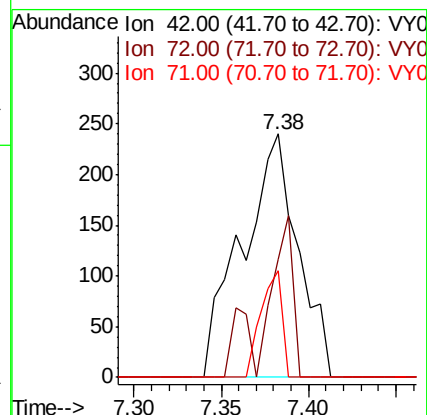
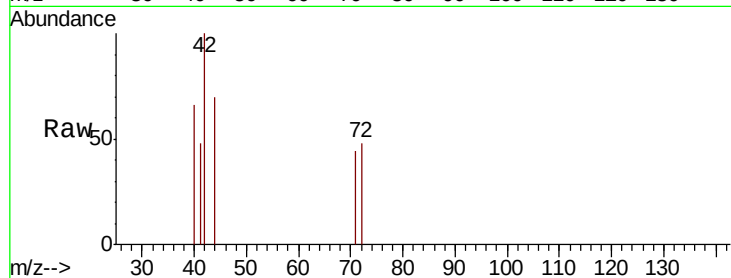
Tot Ion: 42 Resp: 535

Ion Ratio Lower Upper

42 100

72 23.7 34.4 51.6#

71 16.6 31.8 47.8#



#31

Cyclohexane

Concen: 1.159 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001674.D

Acq: 18 Feb 2020 16:27

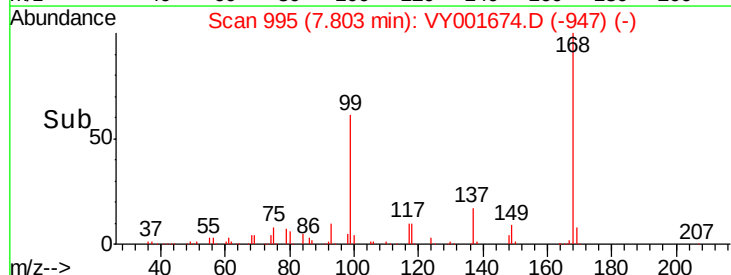
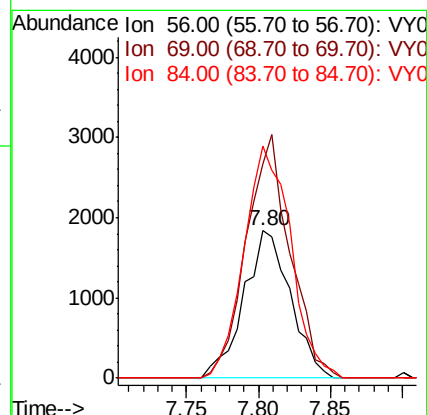
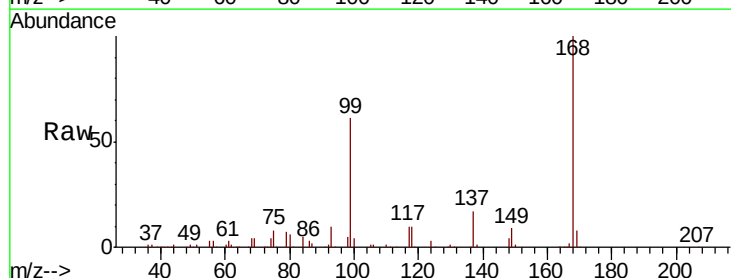
Tgt Ion: 56 Resp: 4113

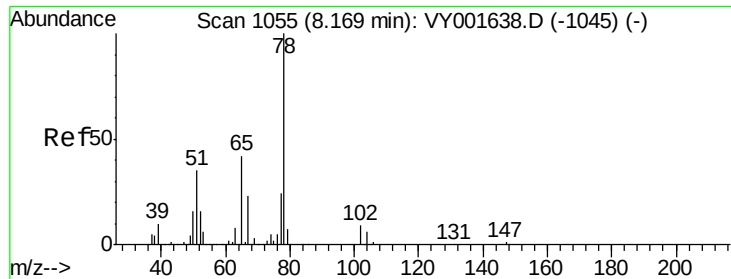
Ion Ratio Lower Upper

56 100

69 145.7 25.1 37.7#

84 157.3 66.9 100.3#

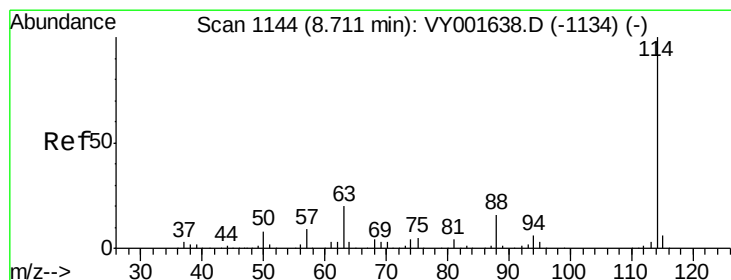
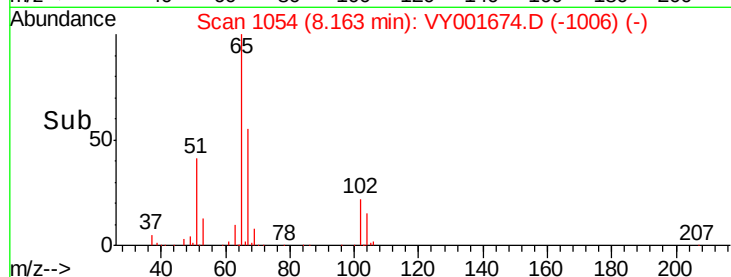
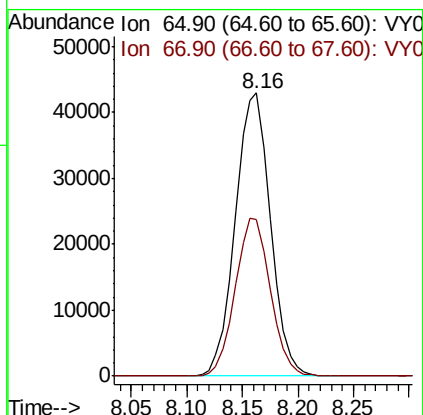
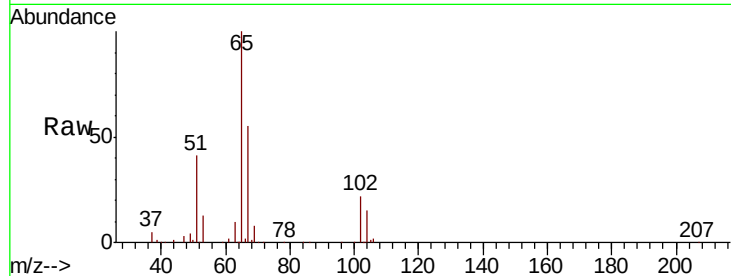




#33
 1,2-Dichloroethane-d4
 Concen: 55.597 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001674.D
 Acq: 18 Feb 2020 16:27

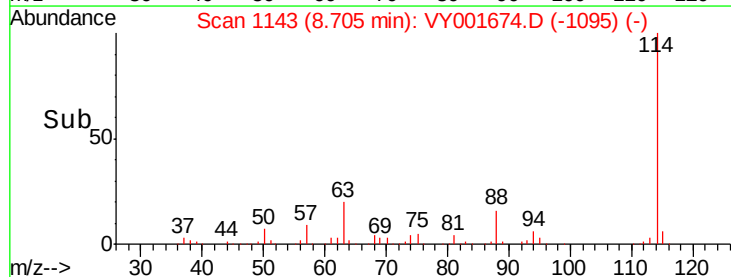
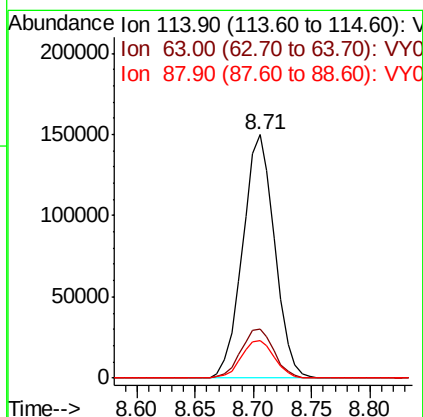
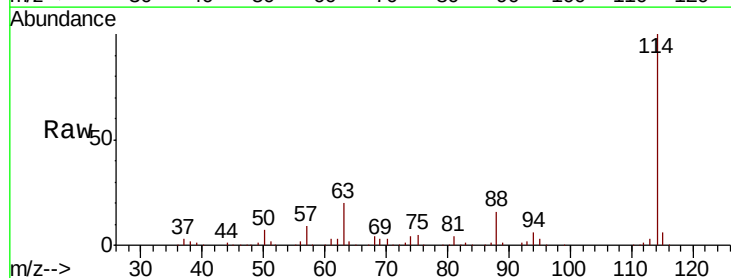
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-01-008-B

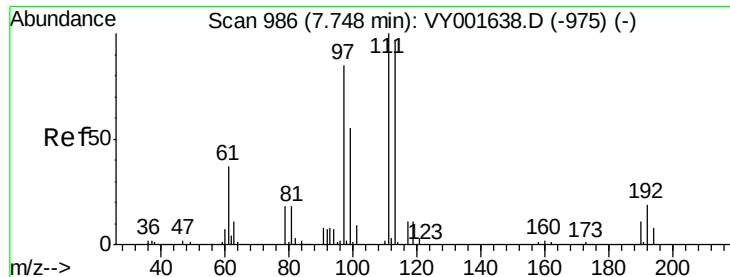
Tot Ion: 65 Resp: 93945
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001674.D
 Acq: 18 Feb 2020 16:27

Tgt Ion: 114 Resp: 287261
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 38.322 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001674.D

Acq: 18 Feb 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

FK-SF-01-008-B

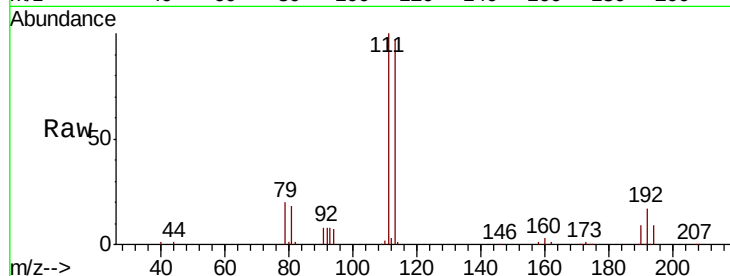
Tot Ion:113 Resp: 63052

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

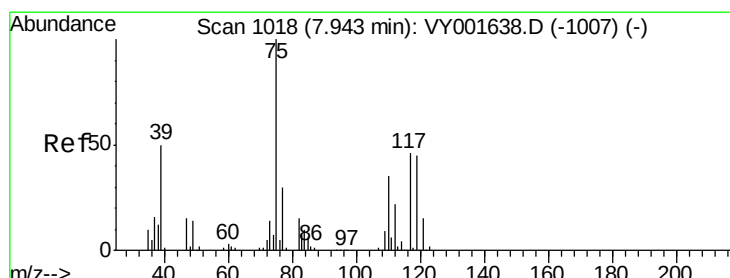
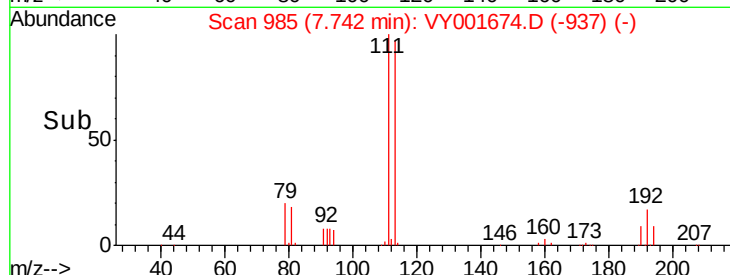
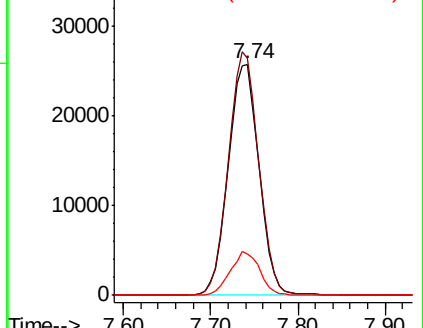
192 18.1 14.3 21.5



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: 4.541 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY001674.D

Acq: 18 Feb 2020 16:27

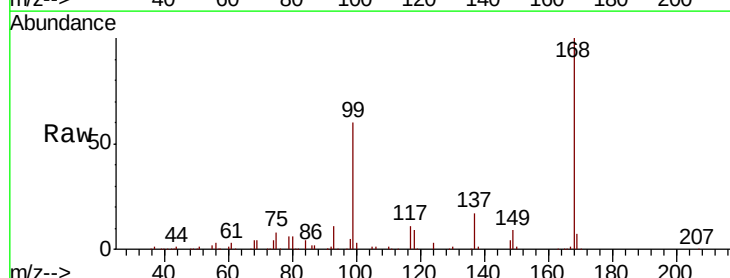
Tgt Ion: 75 Resp: 12461

Ion Ratio Lower Upper

75 100

110 9.6 17.2 51.6#

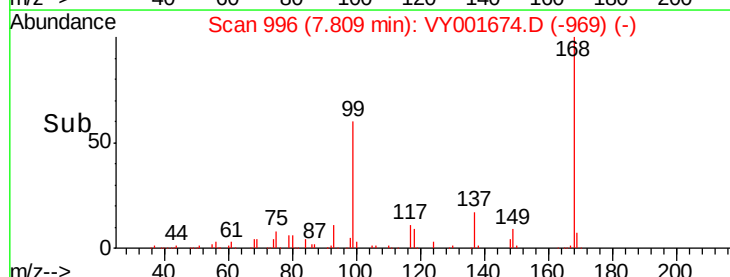
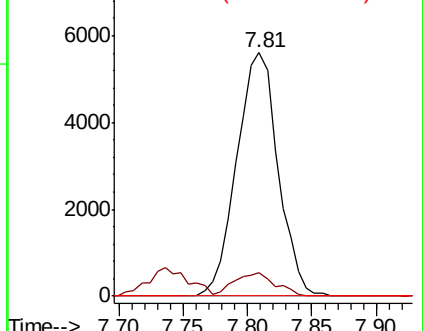
77 0.0 24.8 37.2#

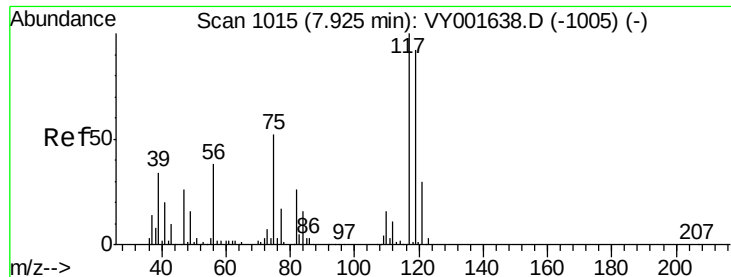


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

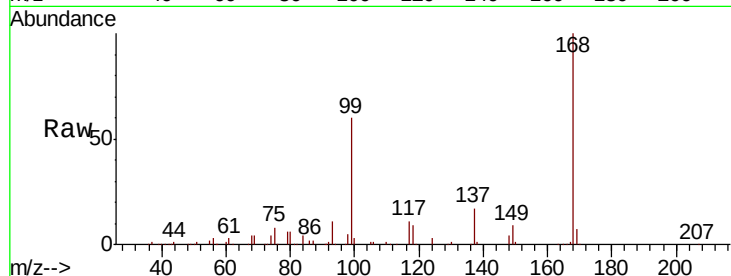




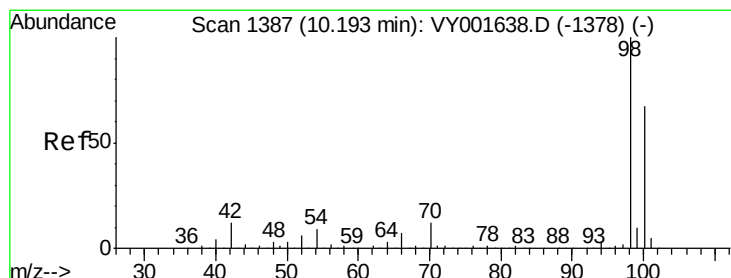
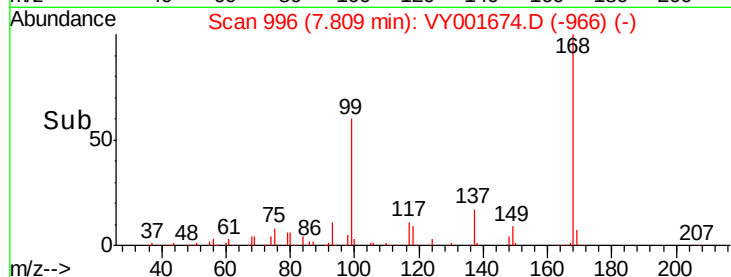
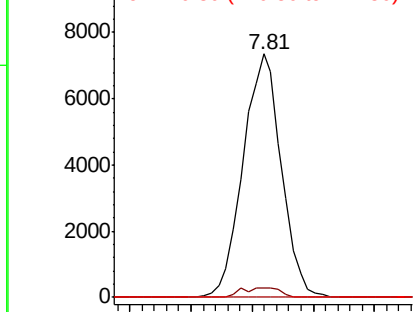
#38
Carbon Tetrachloride
Concen: 6.598 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.12 min
Lab File: VY001674.D
Acq: 18 Feb 2020 16:27

Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-01-008-B

Tot Ion:117 Resp: 15903
Ion Ratio Lower Upper
117 100
119 3.8 74.8 112.2#
121 0.0 23.8 35.6#

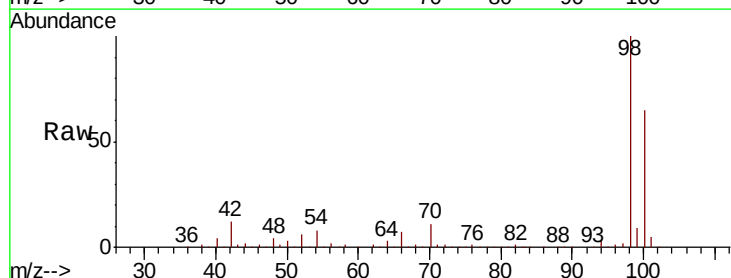


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

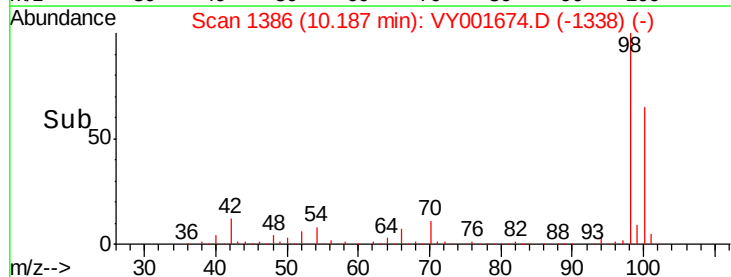
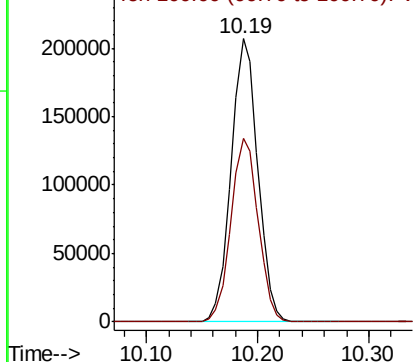


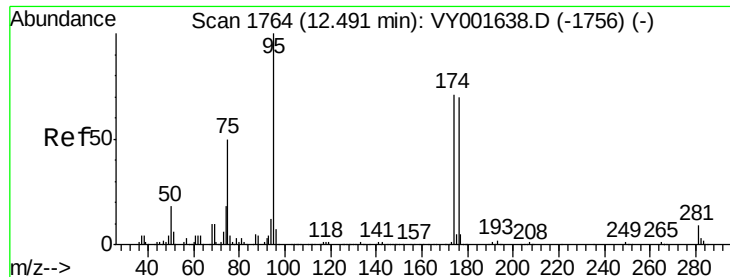
#50
Toluene-d8
Concen: 53.221 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001674.D
Acq: 18 Feb 2020 16:27

Tgt Ion: 98 Resp: 343053
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

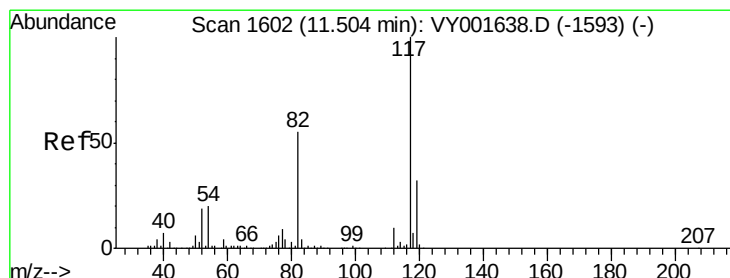
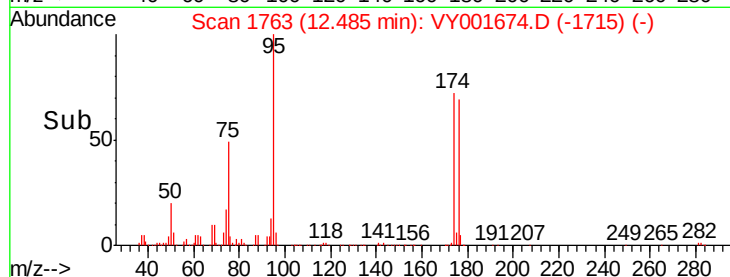
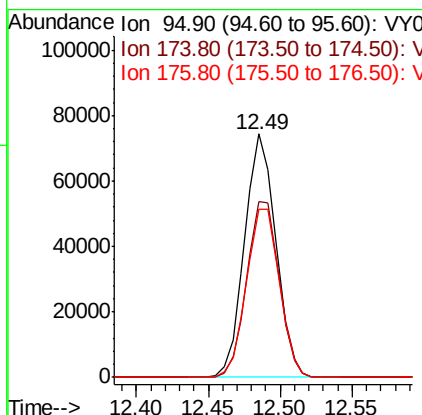
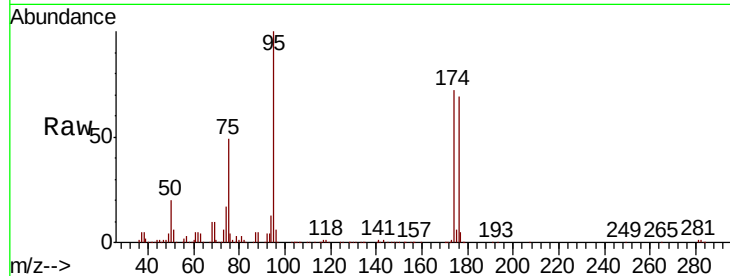




#62
4-Bromofluorobenzene
Concen: 44.468 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001674.D
Acq: 18 Feb 2020 16:27

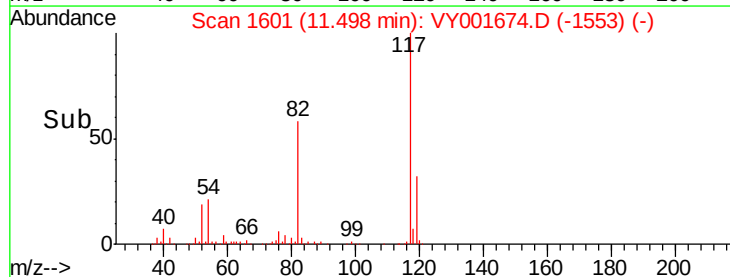
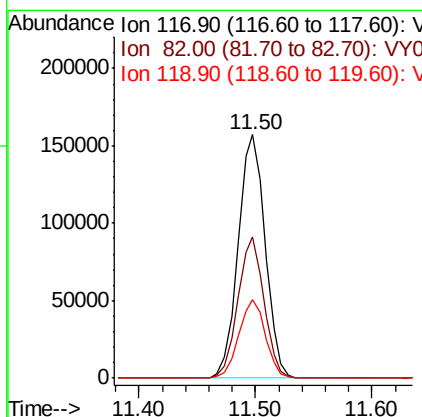
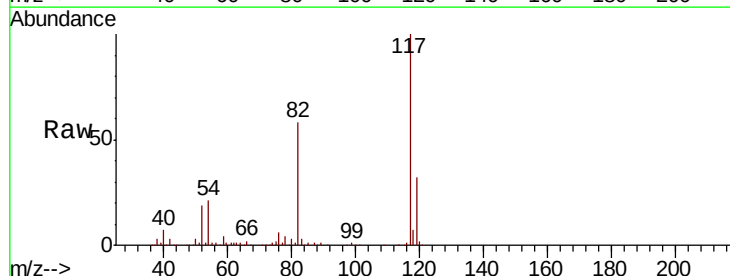
Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-01-008-B

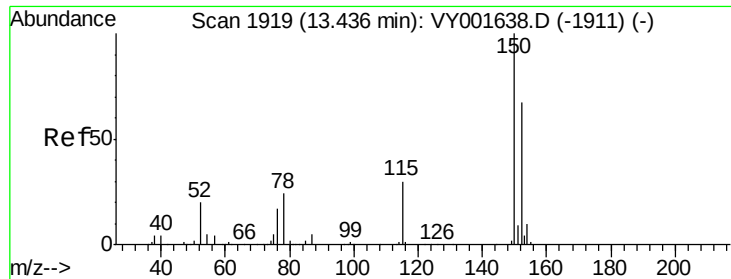
Tot Ion	95	Resp	111353
Ion Ratio	Lower	Upper	
95	100		
174	75.5	0.0	138.4
176	73.0	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001674.D
Acq: 18 Feb 2020 16:27

Tgt Ion	117	Resp	253725
Ion Ratio	Lower	Upper	
117	100		
82	58.1	45.5	68.3
119	32.0	25.8	38.6



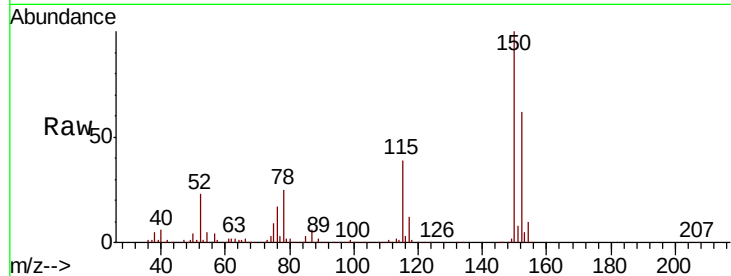


#72

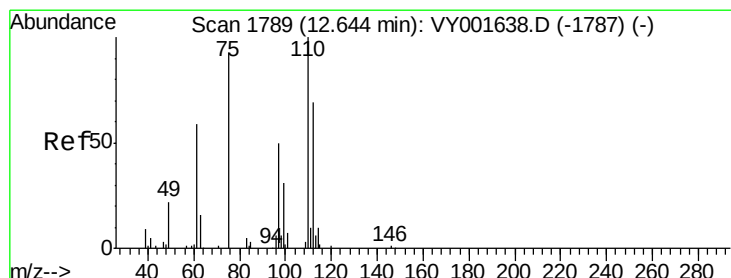
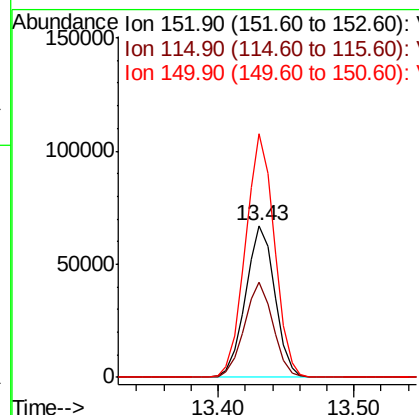
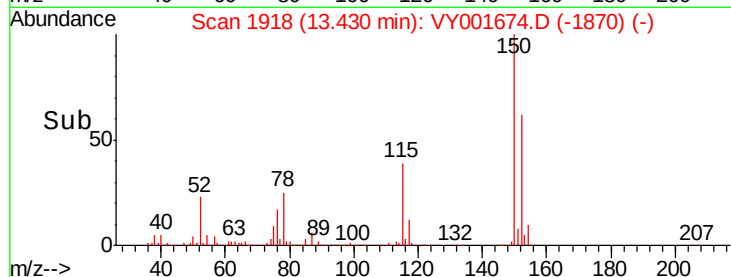
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001674.D
Acq: 18 Feb 2020 16:27

Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-01-008-B

Tot Ion:152 Resp: 100780
Ion Ratio Lower Upper
152 100
115 61.7 31.4 94.2
150 159.1 0.0 407.2



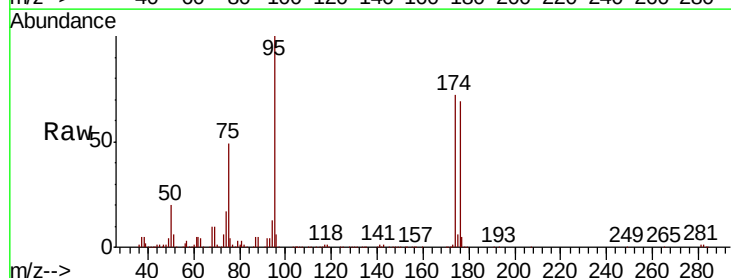
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



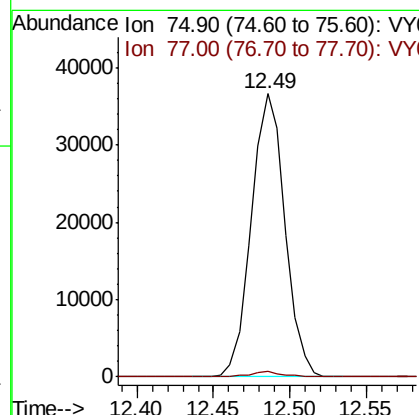
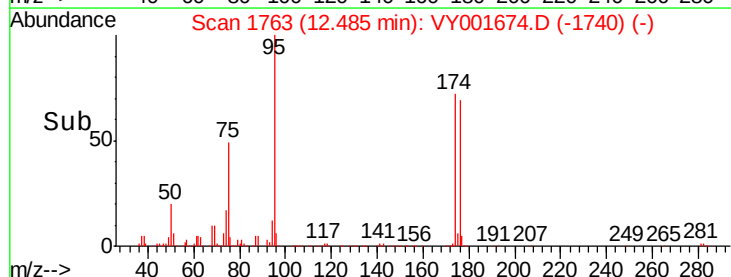
#76

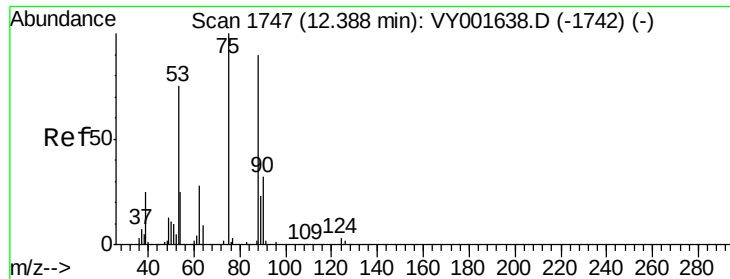
1,2,3-Trichloropropane
Concen: 48.268 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.16 min
Lab File: VY001674.D
Acq: 18 Feb 2020 16:27

Tgt Ion: 75 Resp: 55802
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0

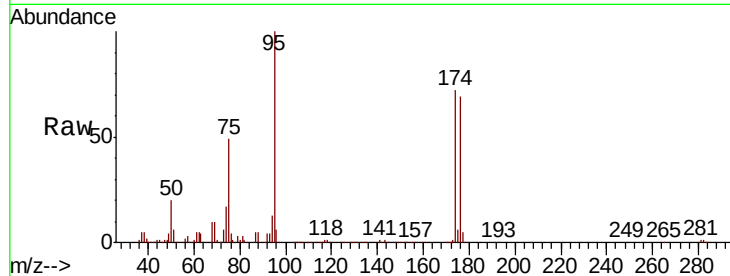




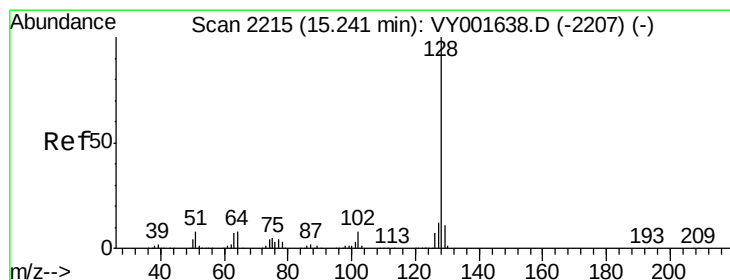
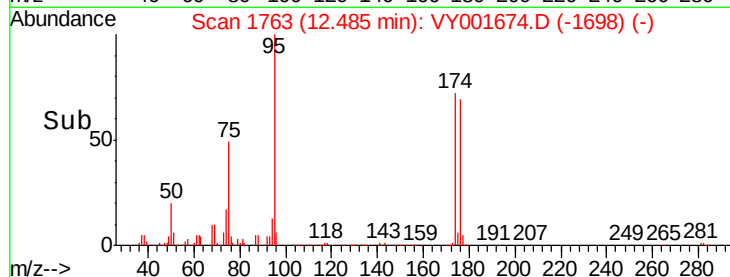
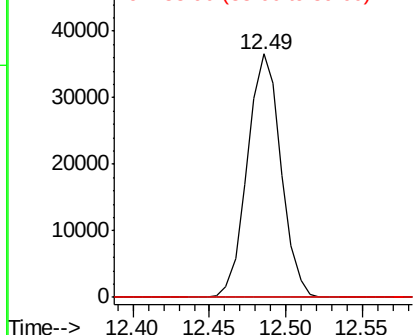
#81
trans-1,4-Dichloro-2-butene
Concen: 91.573 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.10 min
Lab File: VY001674.D
Acq: 18 Feb 2020 16:27

Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-01-008-B

Tot Ion: 75 Resp: 55802
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 36.3 54.5#

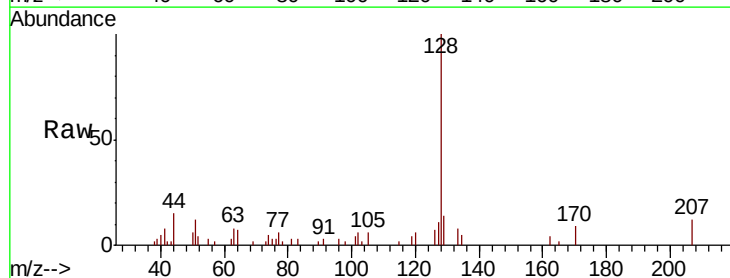


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#95
Naphthalene
Concen: 1.124 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001674.D
Acq: 18 Feb 2020 16:27

Tgt Ion: 128 Resp: 5117
Ion Ratio Lower Upper
128 100
127 13.2 9.9 14.9
129 13.5 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

