

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY030220\
 Data File : VY001820.D
 Acq On : 02 Mar 2020 15:05
 Operator : SY/MD
 Sample : L1743-15
 Misc : 8.17G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G-1

Quant Time: Mar 02 15:31:40 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	147459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	285625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	258861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	116702	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	92393	58.25	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	116.50%	
35) Dibromofluoromethane	7.74	113	83371	50.96	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.92%	
50) Toluene-d8	10.19	98	347374	54.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.40%	
62) 4-Bromofluorobenzene	12.49	95	117950	47.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.74%	

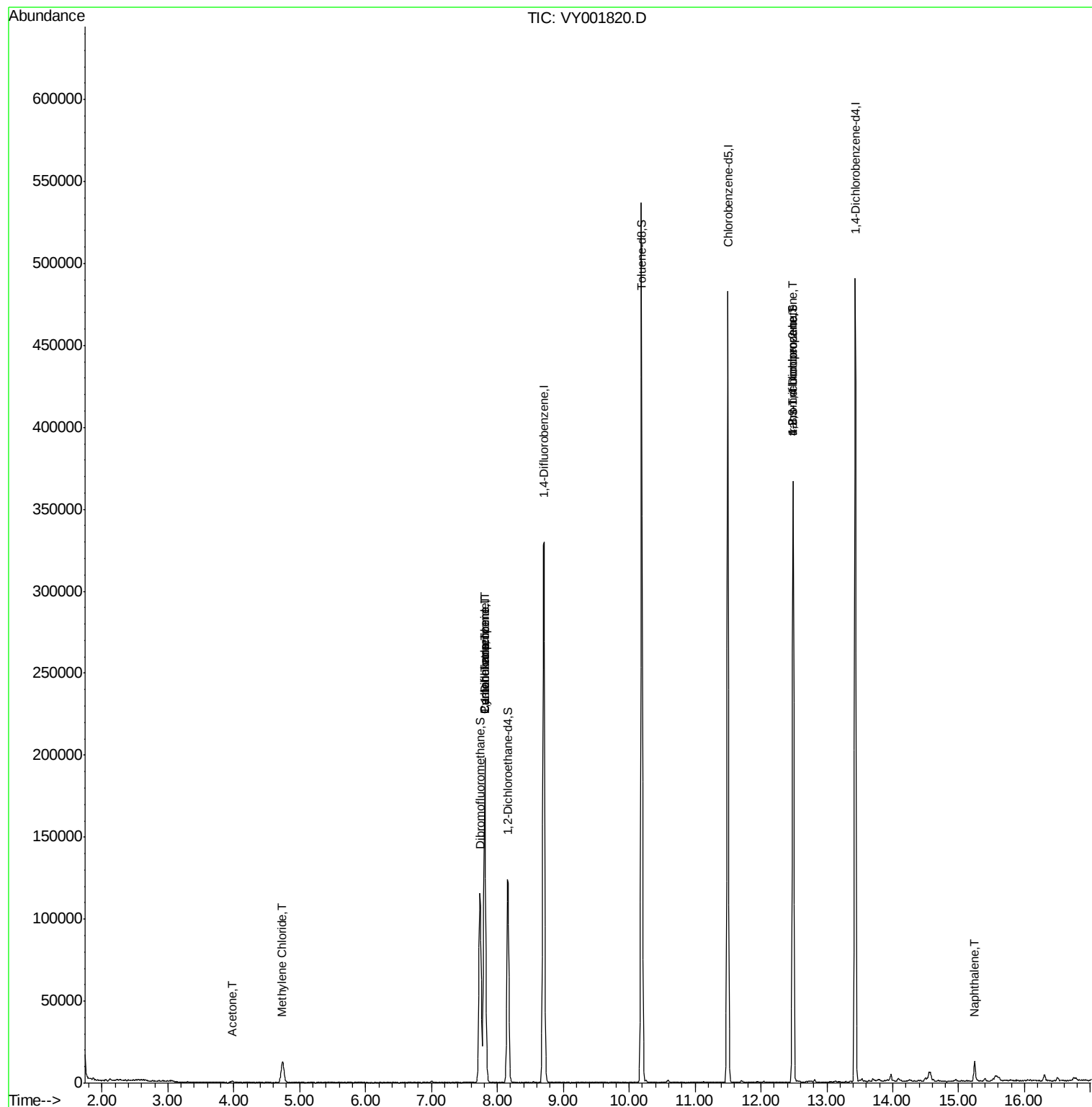
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	55	Below Cal	#	74
16) Acetone	3.97	43	1748	3.19	ug/l	93
20) Methylene Chloride	4.74	84	9728	4.99	ug/l	100
31) Cyclohexane	7.80	56	3377	1.01	ug/l	# 1
36) 1,1-Dichloropropene	7.80	75	12327	4.52	ug/l	# 50
38) Carbon Tetrachloride	7.81	117	15002	6.26	ug/l	# 17
76) 1,2,3-Trichloropropane	12.49	75	60062	44.87	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	60062	85.12	ug/l	# 17
95) Naphthalene	15.25	128	7983	1.51	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: 50.00 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001820.D

Acq: 02 Mar 2020 15:05

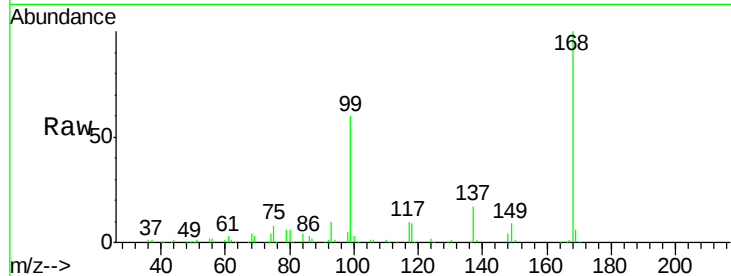
Instrument :
MSVOA_Y
ClientSampled :
G-1

Tgt Ion:168 Resp: 147459

Ion Ratio Lower Upper

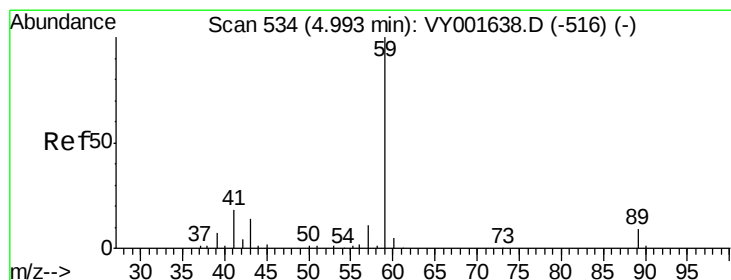
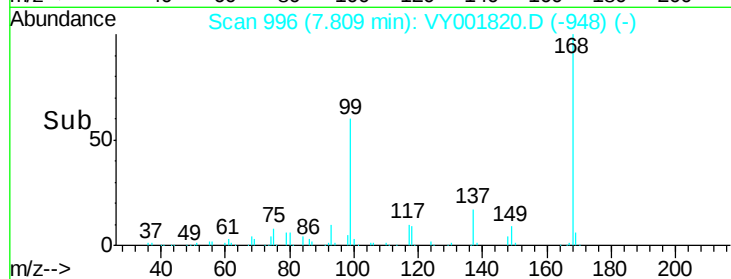
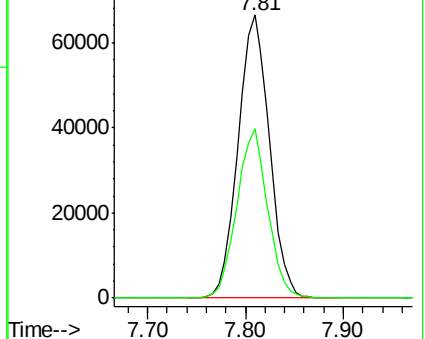
168 100

99 59.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001820.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001820.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.04 min

Lab File: VY001820.D

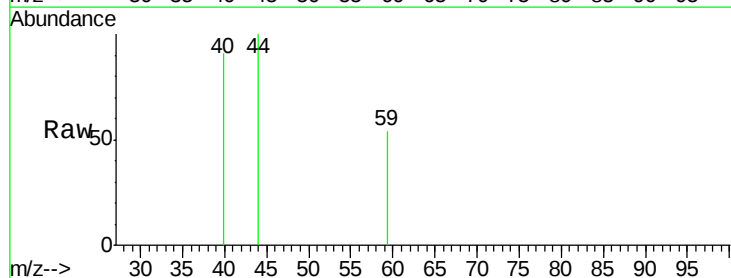
Acq: 02 Mar 2020 15:05

Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

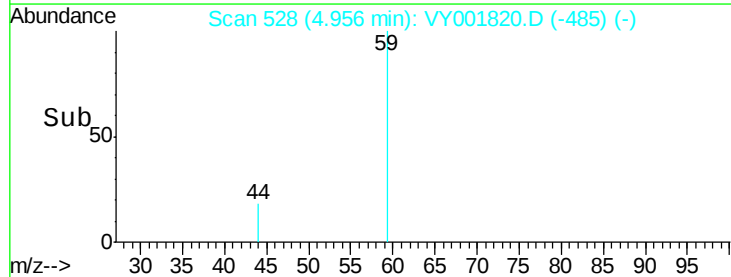
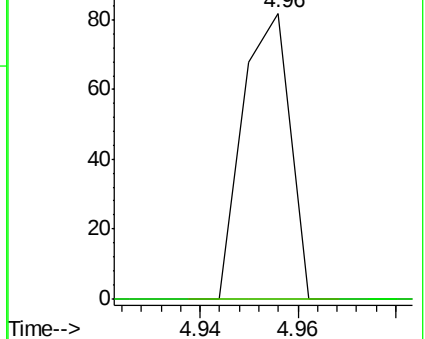
59 100

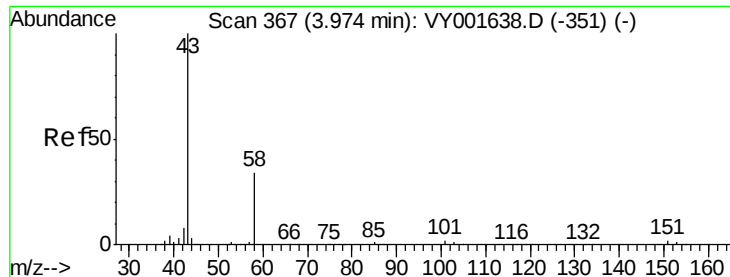
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001820.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001820.D (-485) (-)





#16

Acetone

Concen: 3.19 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001820.D

Acq: 02 Mar 2020 15:05

Instrument :

MSVOA_Y

ClientSampleId :

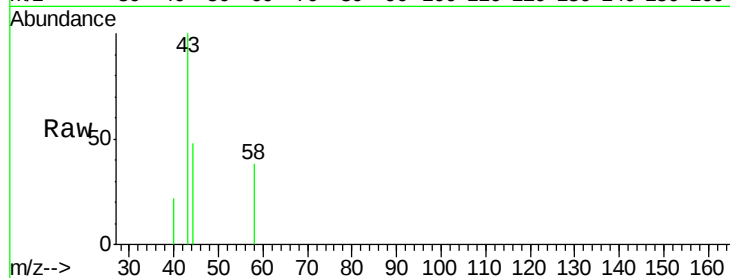
G-1

Tgt Ion: 43 Resp: 1748

Ion Ratio Lower Upper

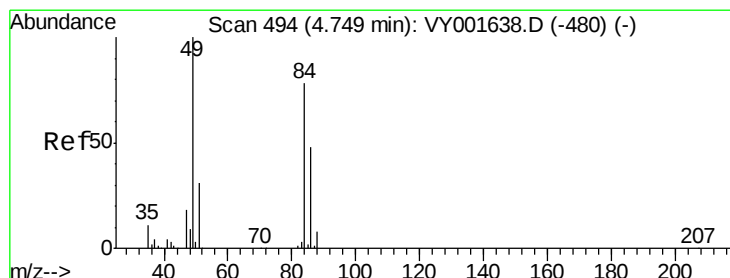
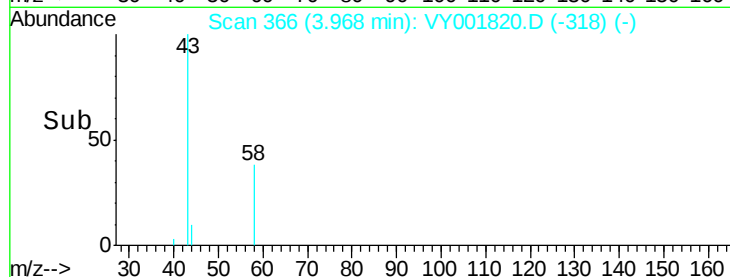
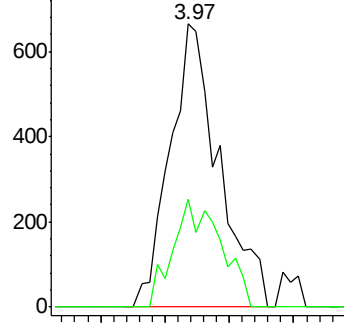
43 100

58 38.0 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001820.D (-366) (-)

Ion 58.00 (57.70 to 58.70): VY001820.D (-366) (-)



#20

Methylene Chloride

Concen: 4.99 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.01 min

Lab File: VY001820.D

Acq: 02 Mar 2020 15:05

Tgt Ion: 84 Resp: 9728

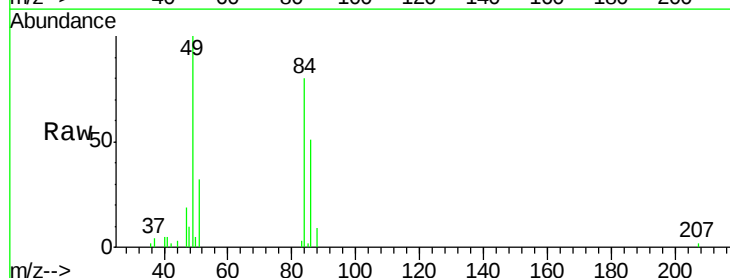
Ion Ratio Lower Upper

84 100

49 124.8 99.2 148.8

51 39.4 31.5 47.3

86 63.5 51.0 76.6

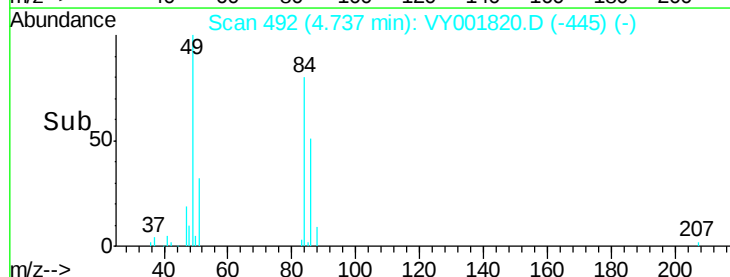
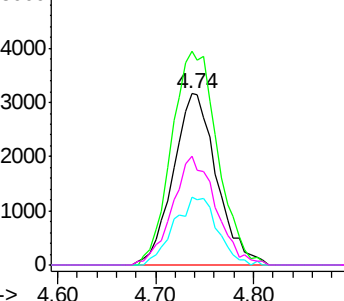


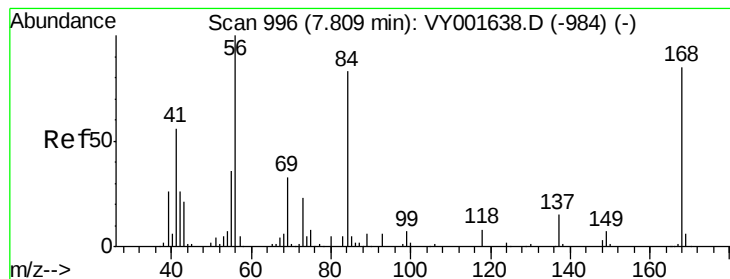
Abundance Ion 83.90 (83.60 to 84.60): VY001820.D (-492) (-)

Ion 48.90 (48.60 to 49.60): VY001820.D (-492) (-)

Ion 50.90 (50.60 to 51.60): VY001820.D (-492) (-)

Ion 85.90 (85.60 to 86.60): VY001820.D (-492) (-)





#31

Cyclohexane

Concen: 1.01 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001820.D

Acq: 02 Mar 2020 15:05

Instrument :

MSVOA_Y

ClientSampled :

G-1

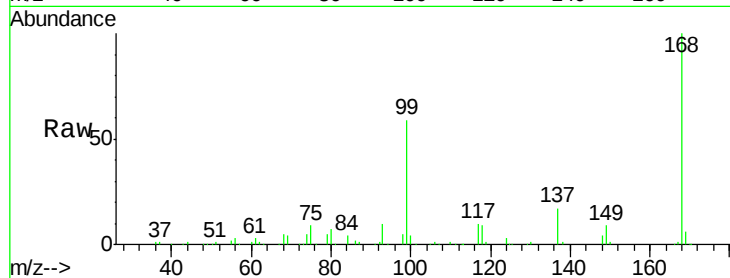
Tgt Ion: 56 Resp: 3377

Ion Ratio Lower Upper

56 100

69 148.3 25.1 37.7#

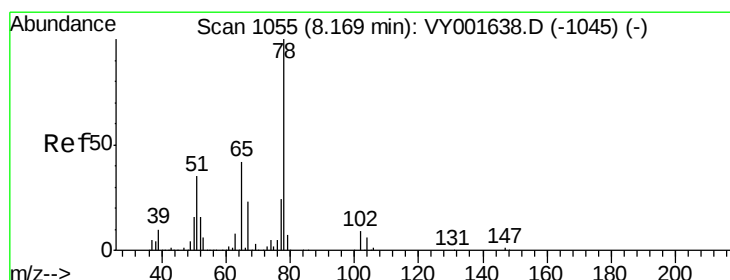
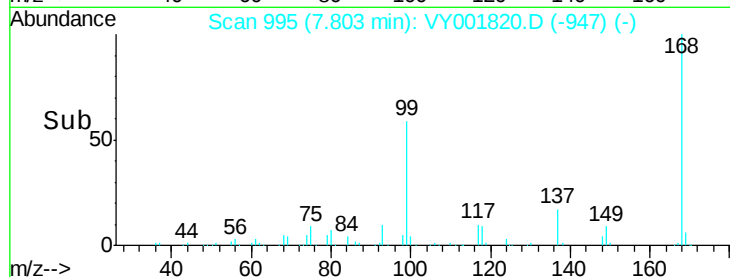
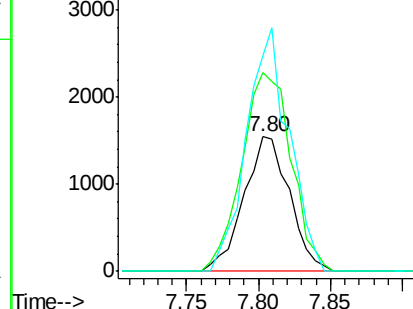
84 160.9 66.9 100.3#



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: 58.25 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001820.D

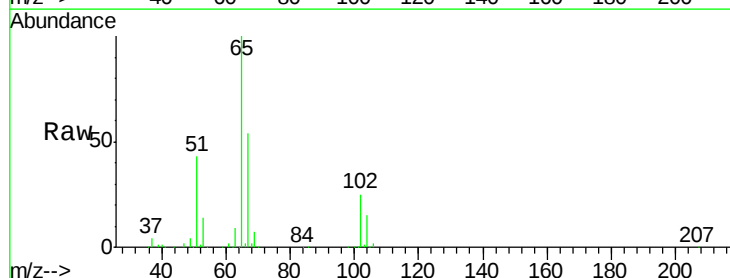
Acq: 02 Mar 2020 15:05

Tgt Ion: 65 Resp: 92393

Ion Ratio Lower Upper

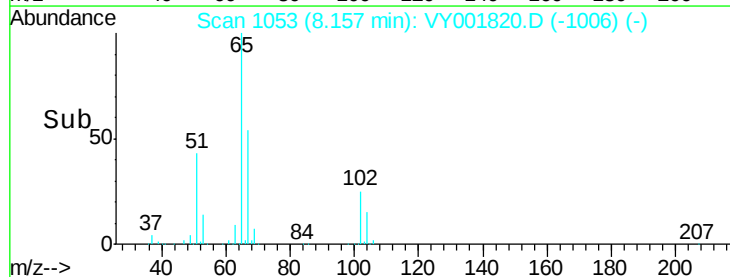
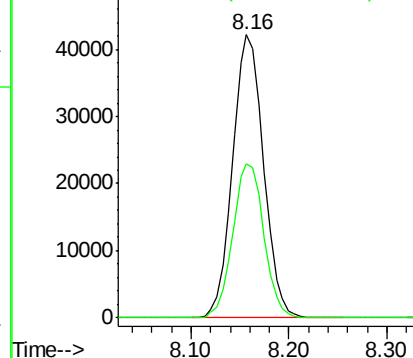
65 100

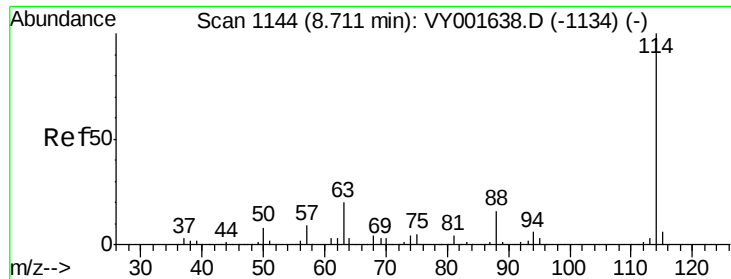
67 54.7 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

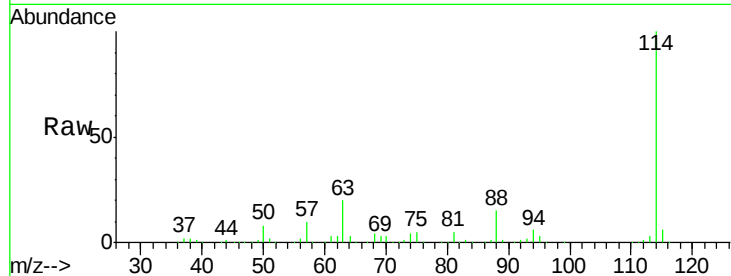




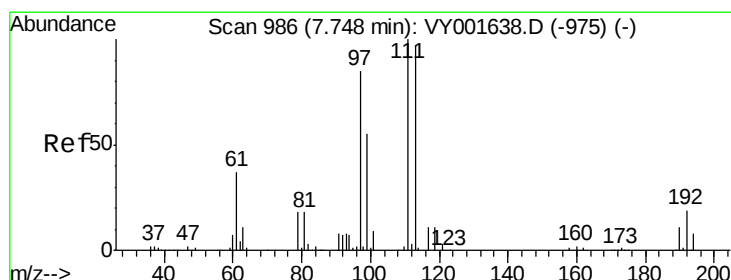
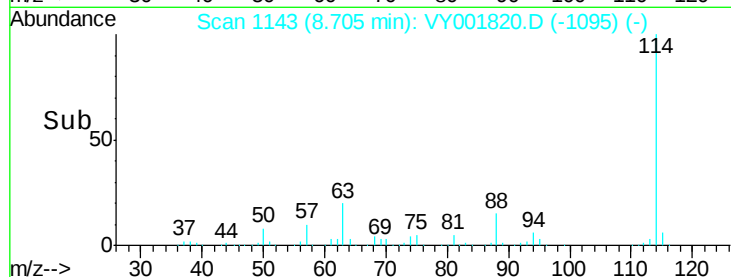
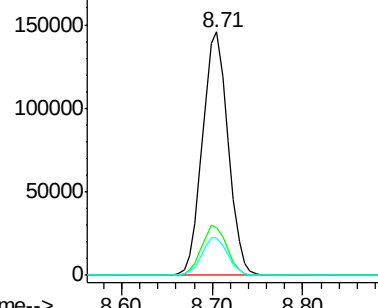
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.71 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VY001820.D
Acq: 02 Mar 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
G-1

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.4
88	15.2	0.0	32.8

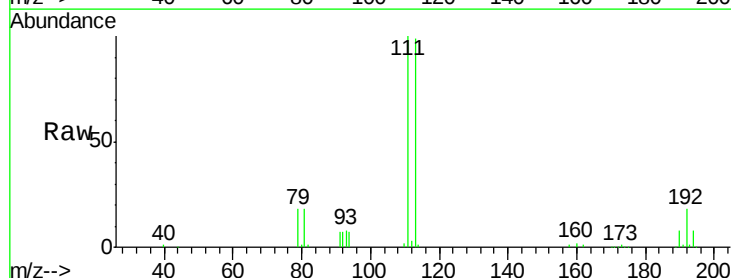


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

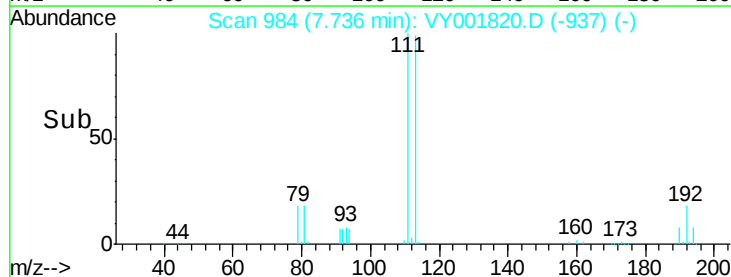
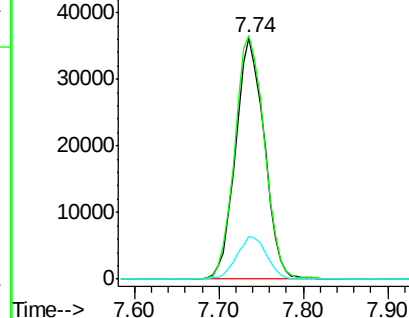


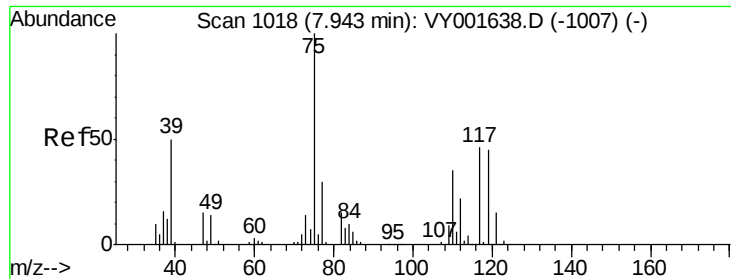
#35
Dibromofluoromethane
Concen: 50.96 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.01 min
Lab File: VY001820.D
Acq: 02 Mar 2020 15:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	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

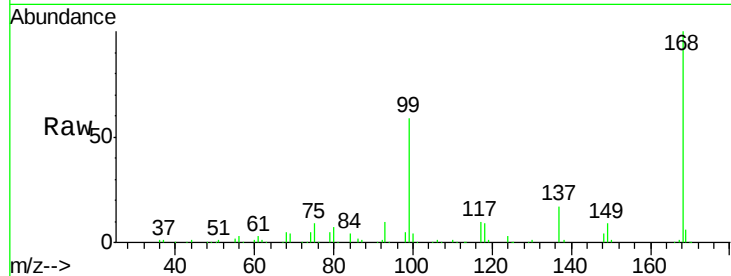




#36
 1,1-Dichloropropene
 Concen: 4.52 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001820.D
 Acq: 02 Mar 2020 15:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 G-1

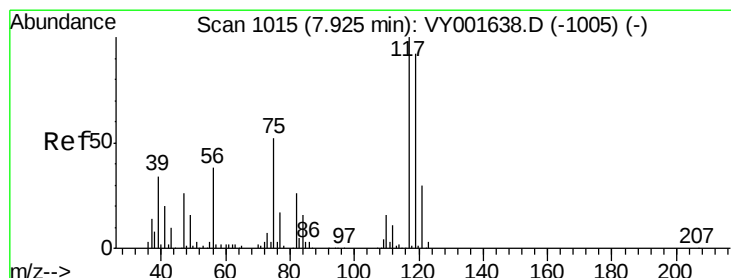
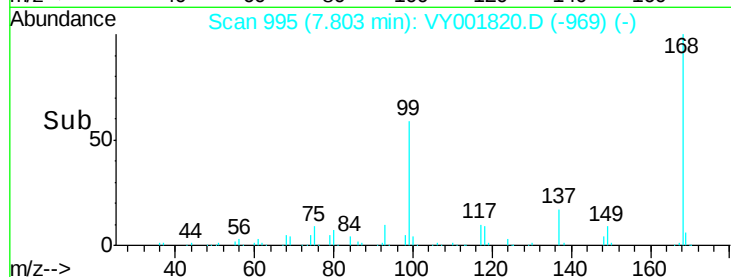
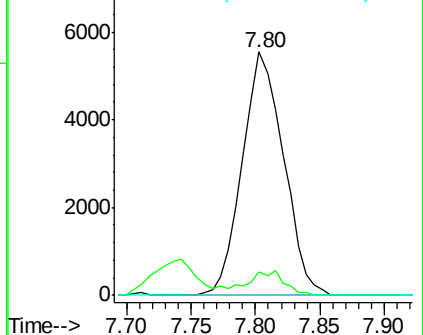
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.2	51.6#
77	0.0	24.8	37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY001820.D (-969) (-)

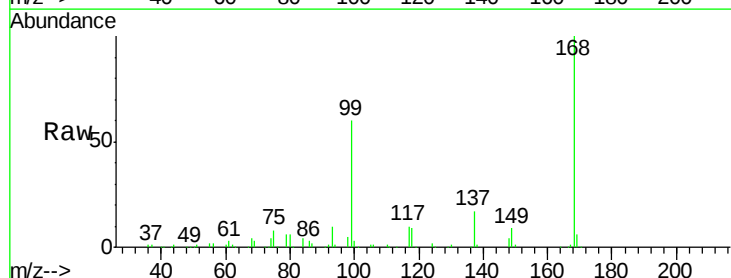
Ion 109.90 (109.60 to 110.60): VY001820.D (-969) (-)

Ion 76.90 (76.60 to 77.60): VY001820.D (-969) (-)



#38
 Carbon Tetrachloride
 Concen: 6.26 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY001820.D
 Acq: 02 Mar 2020 15:05

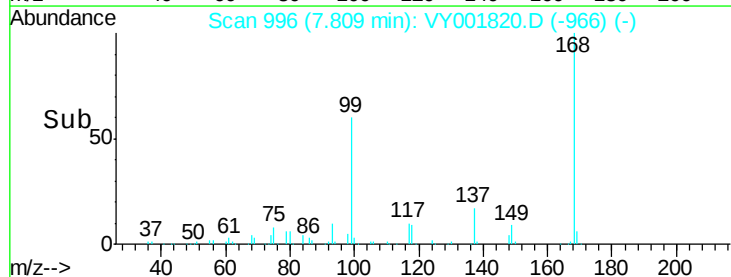
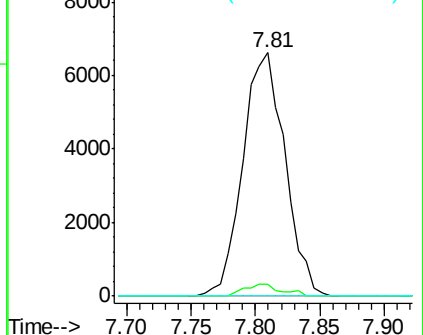
Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	74.8	112.2#
121	0.0	23.8	35.6#

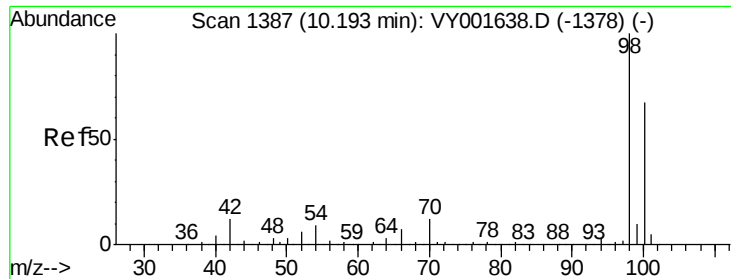


Abundance Ion 116.80 (116.50 to 117.50): VY001820.D (-966) (-)

Ion 118.80 (118.50 to 119.50): VY001820.D (-966) (-)

Ion 120.80 (120.50 to 121.50): VY001820.D (-966) (-)





#50

Toluene-d8

Concen: 54.20 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001820.D

Acq: 02 Mar 2020 15:05

Instrument :

MSVOA_Y

ClientSampleId :

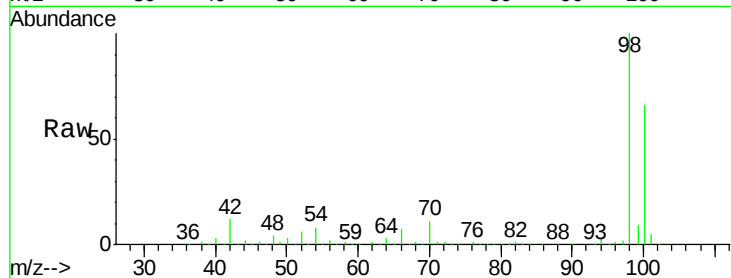
G-1

Tgt Ion: 98 Resp: 347374

Ion Ratio Lower Upper

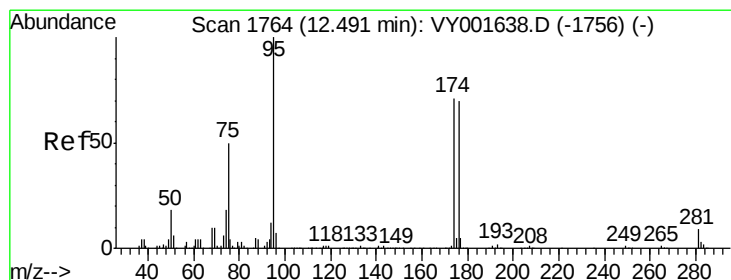
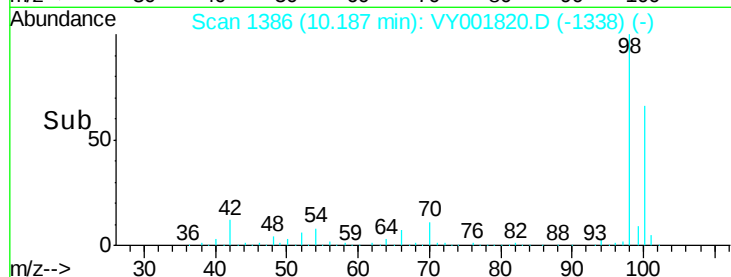
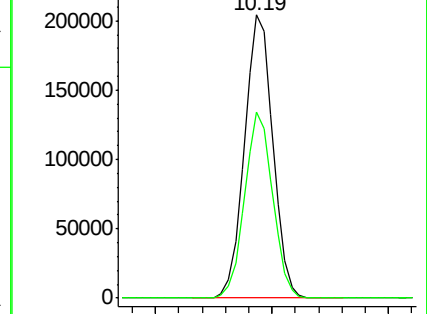
98 100

100 65.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001638.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001638.D (-1378) (-)



#62

4-Bromofluorobenzene

Concen: 47.37 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001820.D

Acq: 02 Mar 2020 15:05

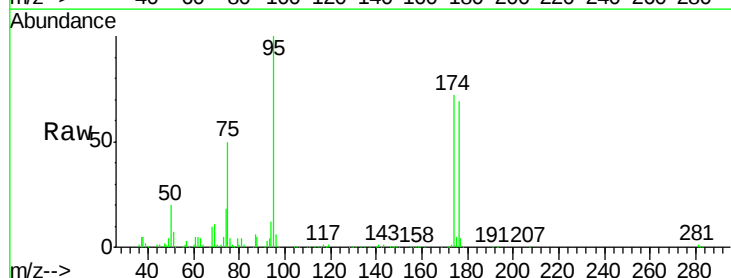
Tgt Ion: 95 Resp: 117950

Ion Ratio Lower Upper

95 100

174 74.6 0.0 138.4

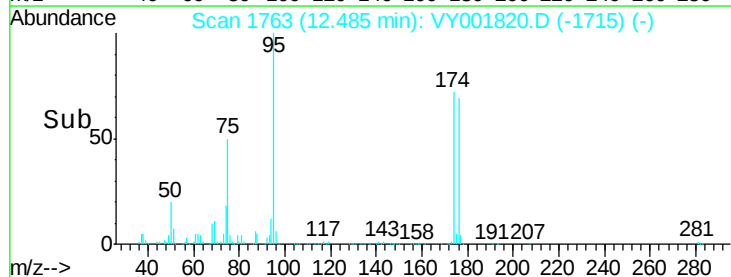
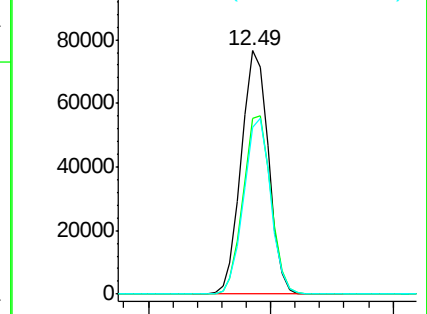
176 71.6 0.0 131.8

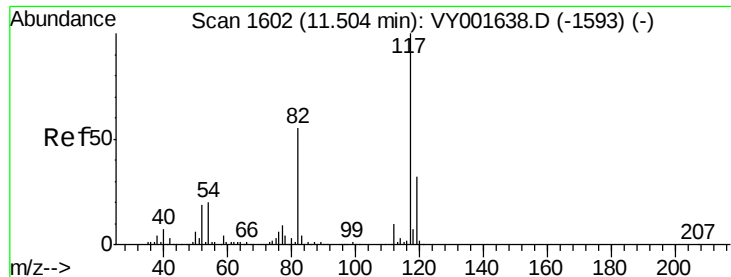


Abundance Ion 94.90 (94.60 to 95.60): VY001638.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001638.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001638.D (-1756) (-)

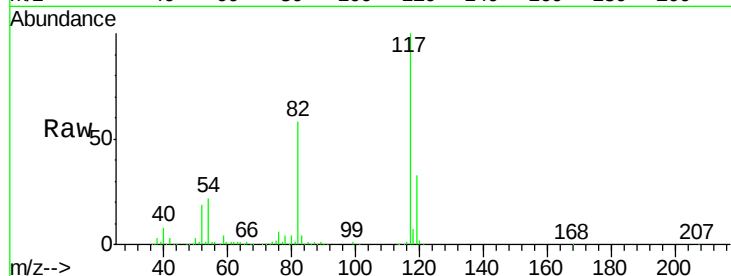




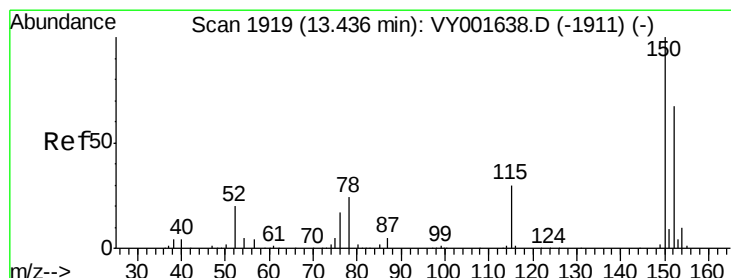
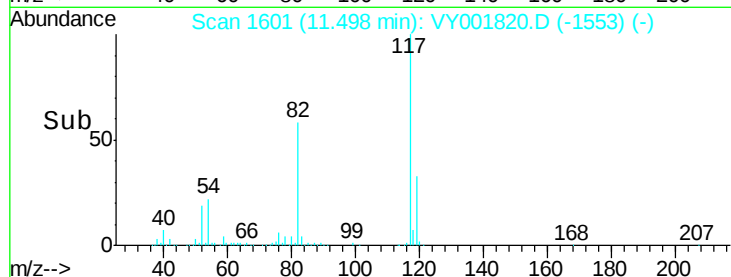
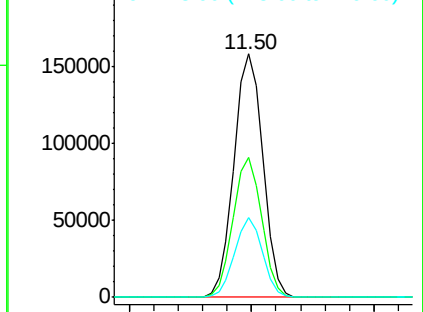
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001820.D
Acq: 02 Mar 2020 15:05

Instrument :
MSVOA_Y
ClientSampled :
G-1

Tgt Ion:117 Resp: 258861
Ion Ratio Lower Upper
117 100
82 57.5 45.5 68.3
119 33.0 25.8 38.6

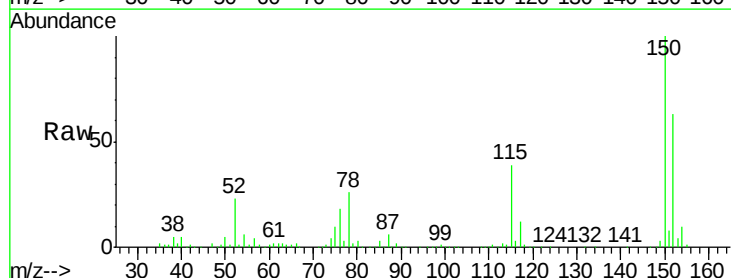


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

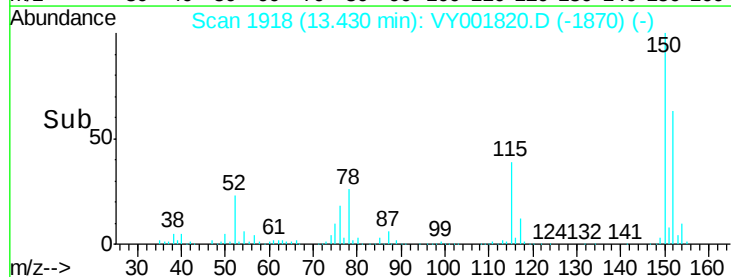
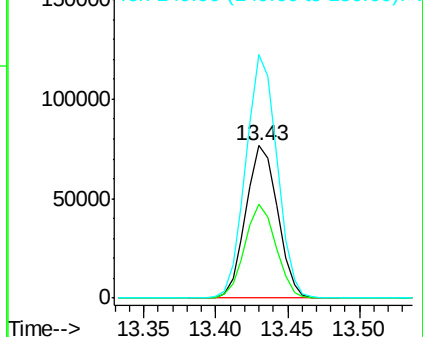


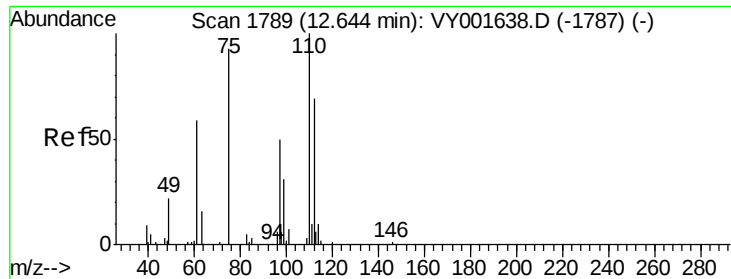
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001820.D
Acq: 02 Mar 2020 15:05

Tgt Ion:152 Resp: 116702
Ion Ratio Lower Upper
152 100
115 60.7 31.4 94.2
150 157.2 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: 44.87 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001820.D

Acq: 02 Mar 2020 15:05

Instrument :

MSVOA_Y

ClientSampleId :

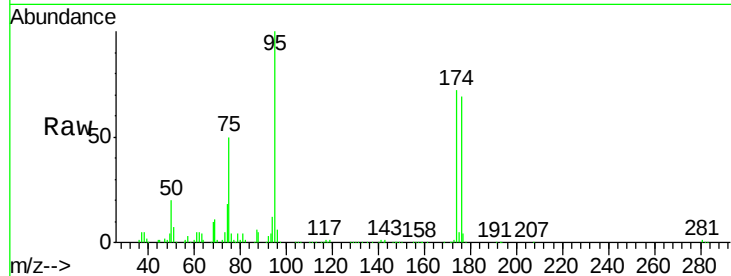
G-1

Tgt Ion: 75 Resp: 60062

Ion Ratio Lower Upper

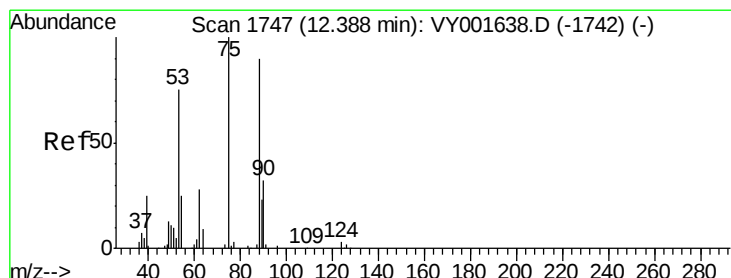
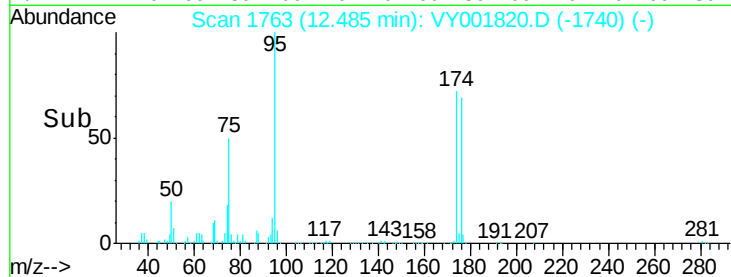
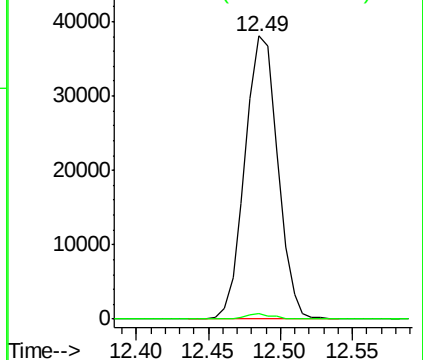
75 100

77 1.6 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: 85.12 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001820.D

Acq: 02 Mar 2020 15:05

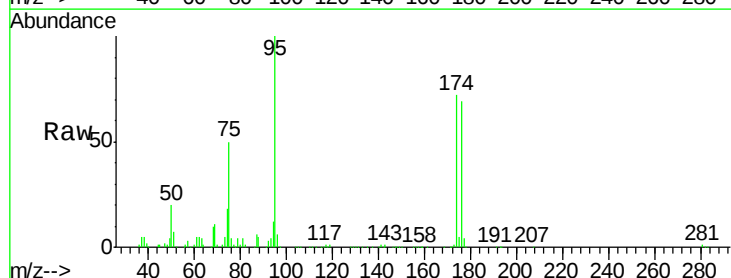
Tgt Ion: 75 Resp: 60062

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

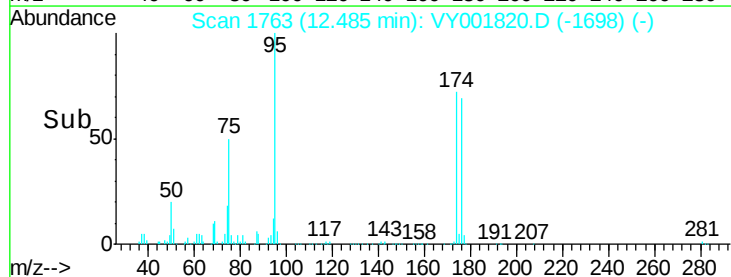
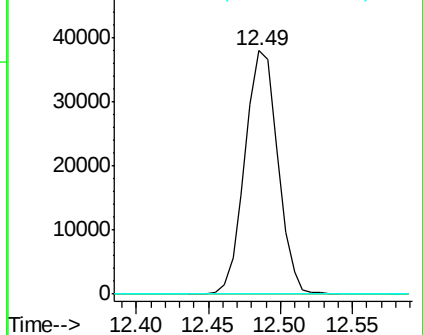
89 0.0 36.3 54.5#

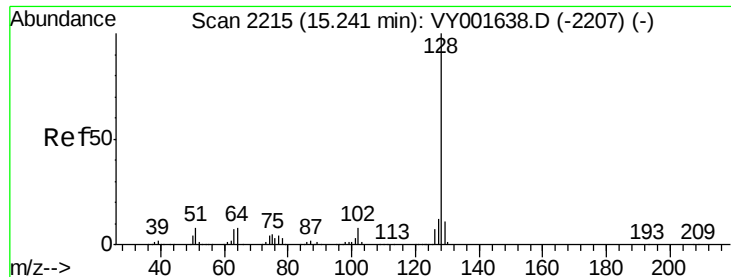


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

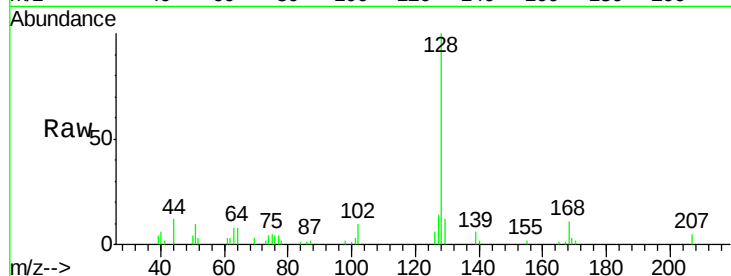




#95
Naphthalene
Concen: 1.51 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001820.D
Acq: 02 Mar 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
G-1

Tgt Ion:	128	Resp:	7983
Ion	Ratio	Lower	Upper
128	100		
127	14.3	9.9	14.9
129	11.3	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

