

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
 Data File : VY001631.D
 Acq On : 13 Feb 2020 17:14
 Operator : SY/MD
 Sample : L1528-04RE
 Misc : 5.30G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 14 06:25:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	161545	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	293467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	259103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	113476	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	98555	60.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.18%	
35) Dibromofluoromethane	7.75	113	85596	50.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.16%	
50) Toluene-d8	10.20	98	350911	54.81	ug/l	0.01
Spiked Amount 50.000			Recovery	=	109.62%	
62) 4-Bromofluorobenzene	12.49	95	119525	47.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.78%	

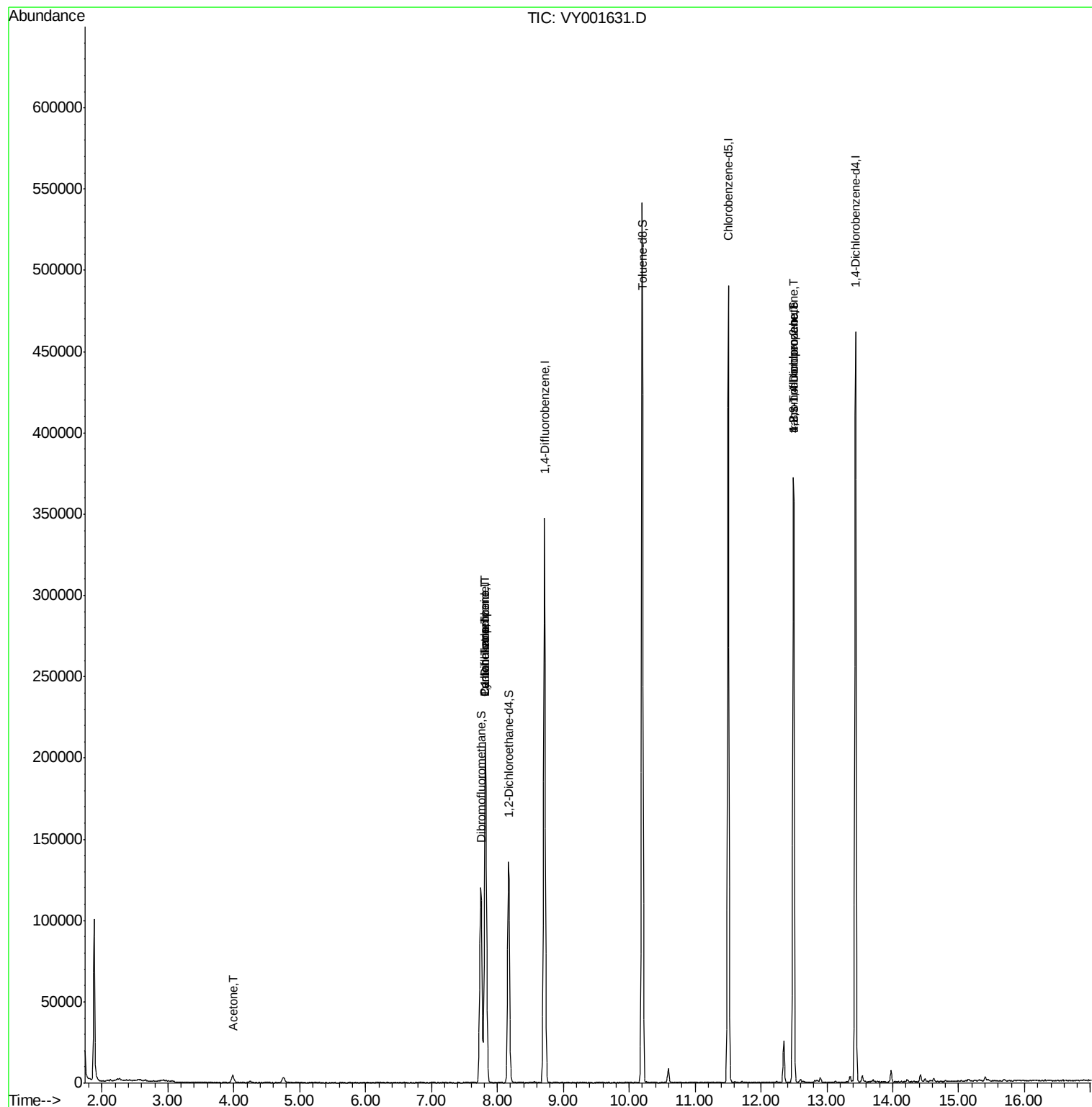
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.02	59	71	Below Cal	#	76
16) Acetone	3.99	43	7796	16.570	ug/l	95
20) Methylene Chloride	4.75	84	2225	Below Cal	#	95
31) Cyclohexane	7.82	56	3697	1.167	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13422	4.999	ug/l #	48
38) Carbon Tetrachloride	7.82	117	16293	6.273	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	61693	50.555	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	61693	97.821	ug/l #	16

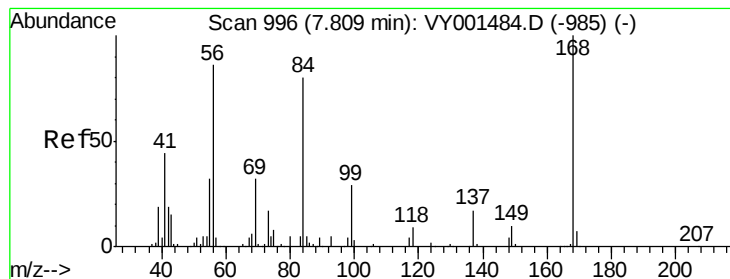
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 14 06:25:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 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: VY001631.D

Acq: 13 Feb 2020 17:14

Instrument :

MSVOA_Y

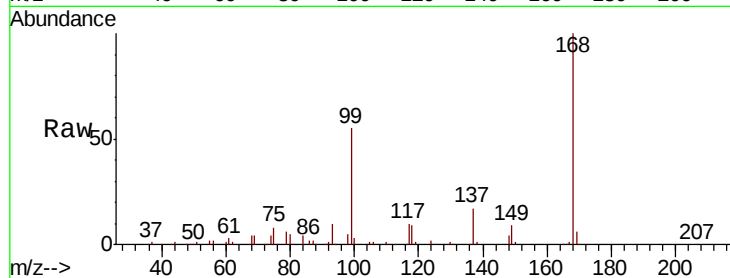
ClientSampleId :

Tot Ion:168 Resp: 161545

Ion Ratio Lower Upper

168 100

99 54.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001631.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001631.D (-947) (-)

7.82

80000

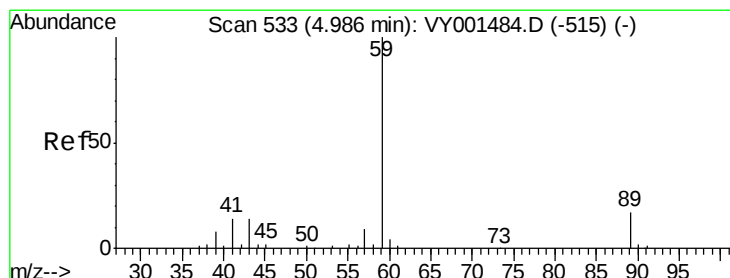
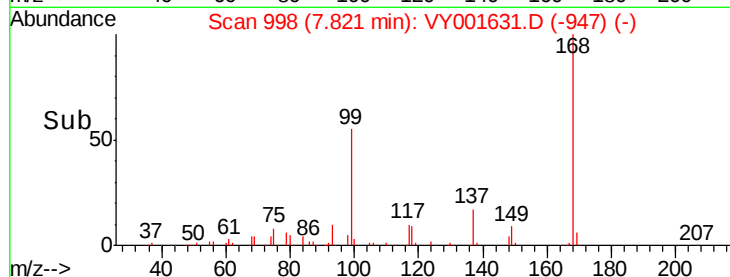
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.02 min Scan# 538

Delta R.T. 0.03 min

Lab File: VY001631.D

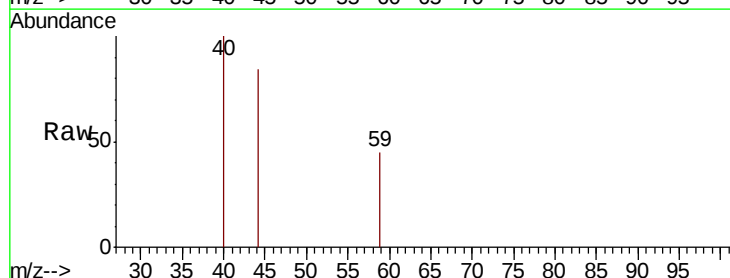
Acq: 13 Feb 2020 17:14

Tgt Ion: 59 Resp: 71

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001631.D (-484) (-)

Ion 57.00 (56.70 to 57.70): VY001631.D (-484) (-)

80

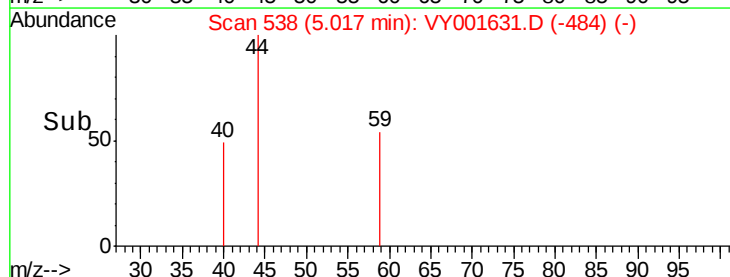
60

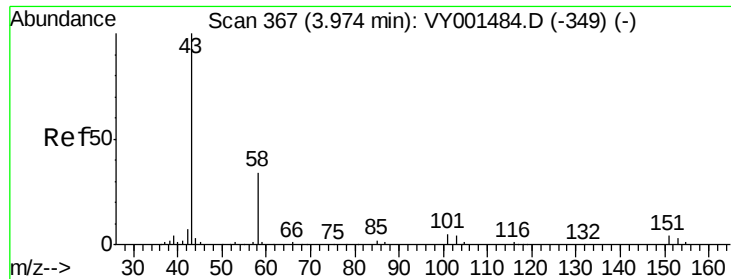
40

20

0

Time-->

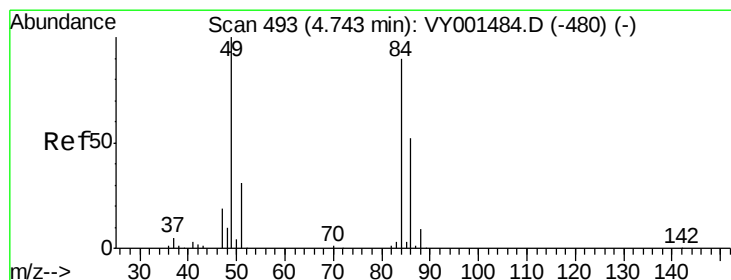
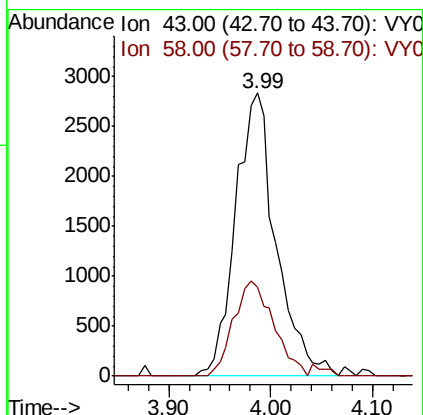
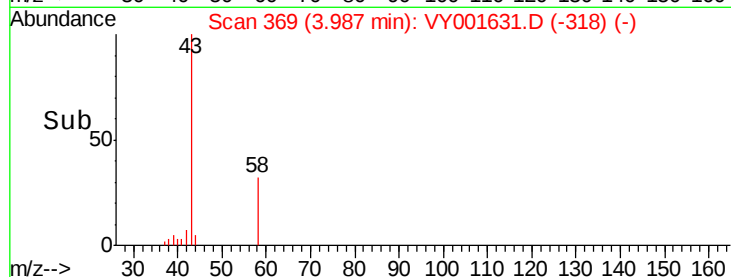
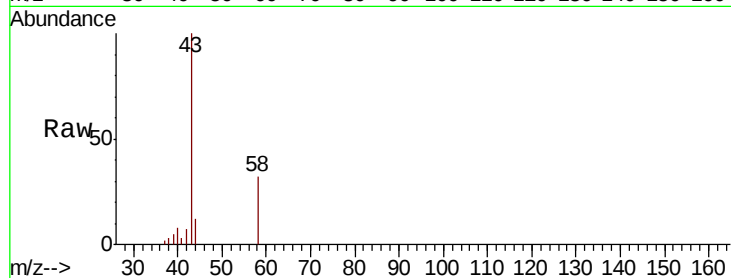




#16
Acetone
Concen: 16.570 ug/l
RT: 3.99 min Scan# 369
Delta R.T. 0.01 min
Lab File: VY001631.D
Acq: 13 Feb 2020 17:14

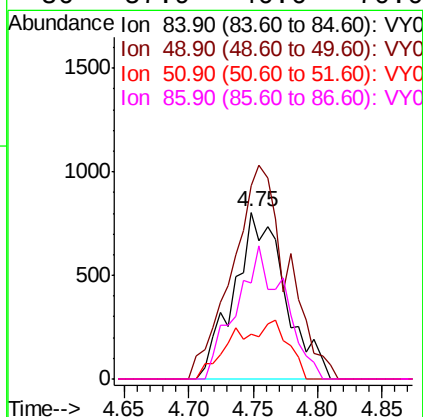
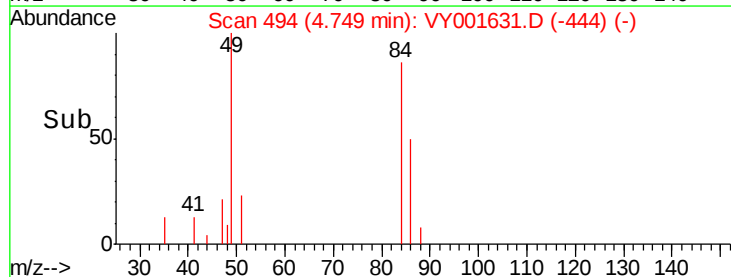
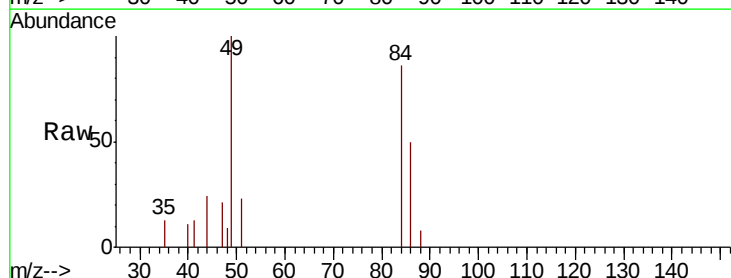
Instrument :
MSVOA_Y
ClientSampleId :

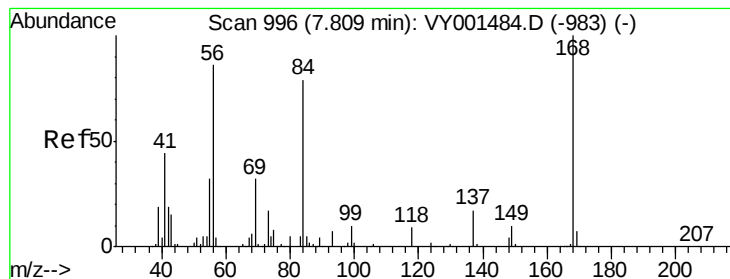
Tot Ion: 43 Resp: 7796
Ion Ratio Lower Upper
43 100
58 31.6 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY001631.D
Acq: 13 Feb 2020 17:14

Tgt Ion: 84 Resp: 2225
Ion Ratio Lower Upper
84 100
49 116.0 89.0 133.6
51 27.2 27.4 41.2#
86 57.9 46.6 70.0





#31

Cyclohexane

Concen: 1.167 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001631.D

Acq: 13 Feb 2020 17:14

Instrument :

MSVOA_Y

ClientSampleId :

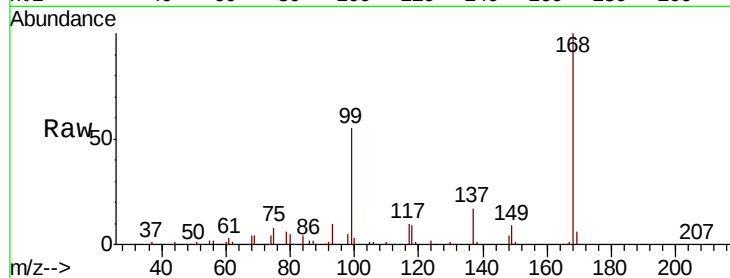
Tot Ion: 56 Resp: 3697

Ion Ratio Lower Upper

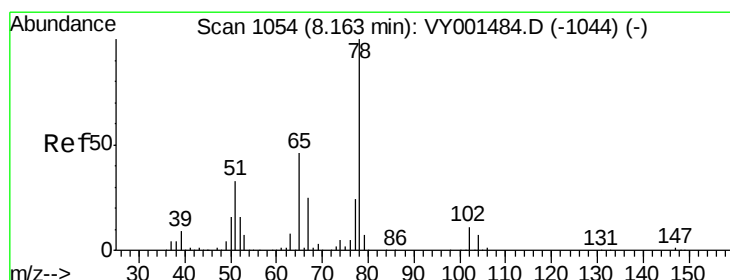
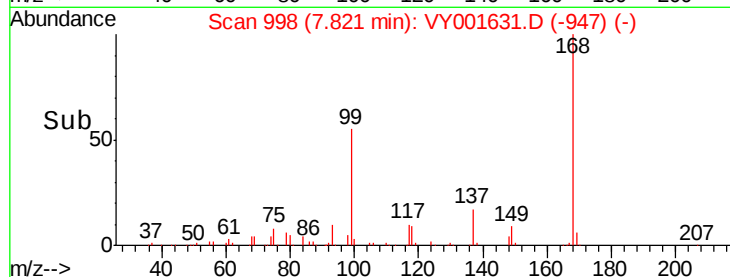
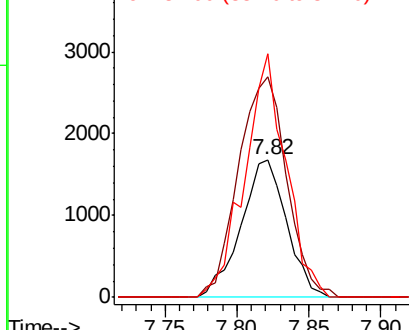
56 100

69 160.1 29.6 44.4#

84 176.8 73.6 110.4#



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: 60.592 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001631.D

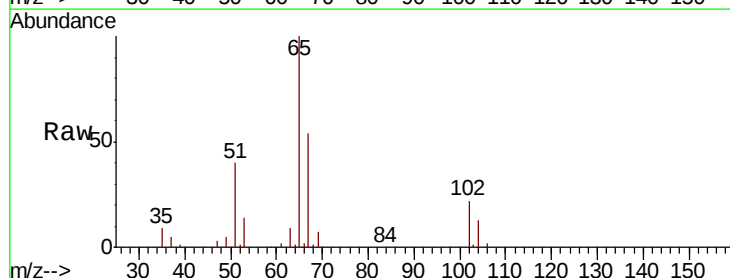
Acq: 13 Feb 2020 17:14

Tgt Ion: 65 Resp: 98555

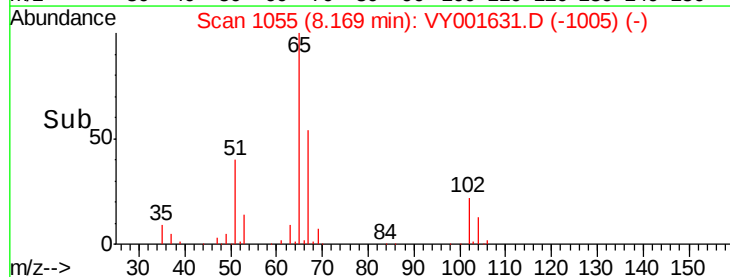
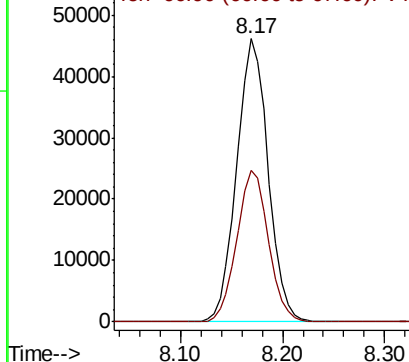
Ion Ratio Lower Upper

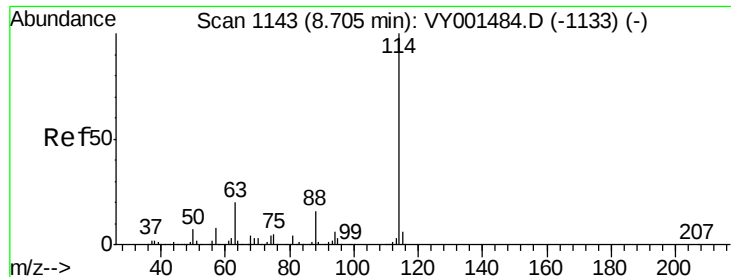
65 100

67 53.7 0.0 108.6



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

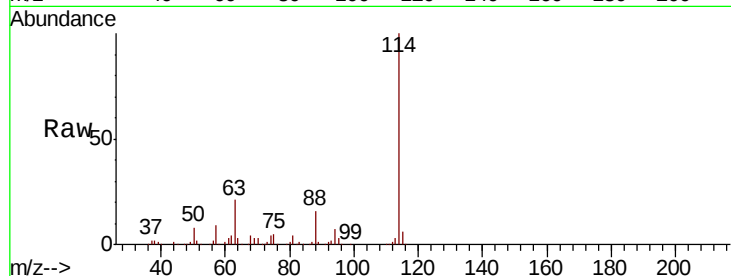




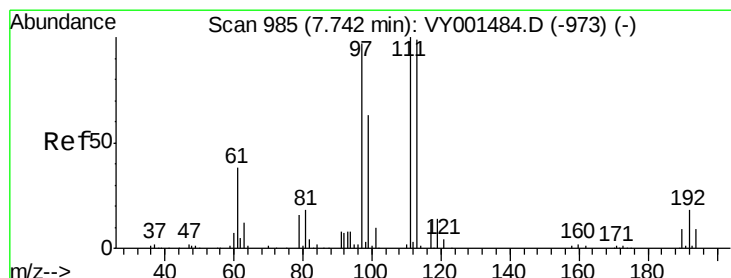
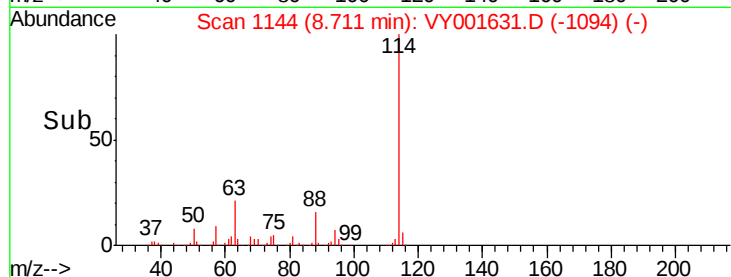
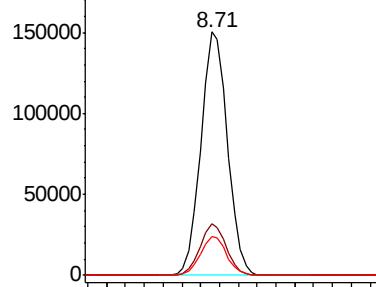
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001631.D
 Acq: 13 Feb 2020 17:14

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	39.8
88	15.7	0.0	32.6

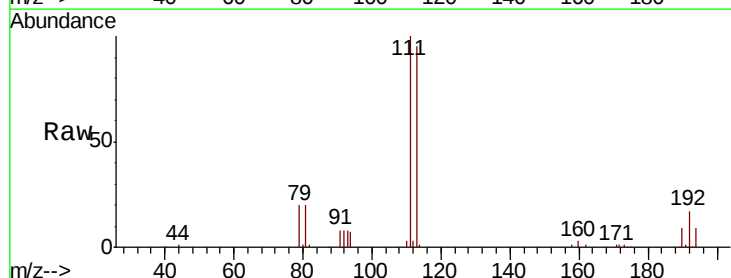


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

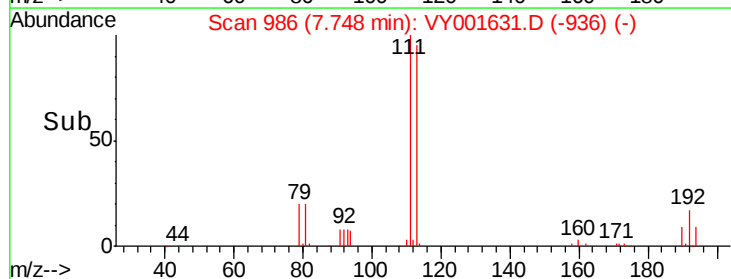
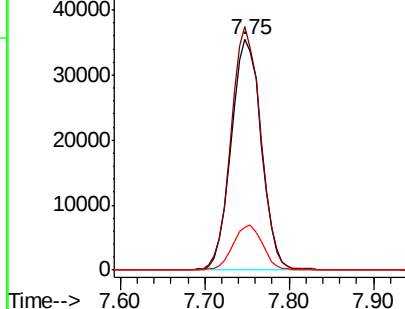


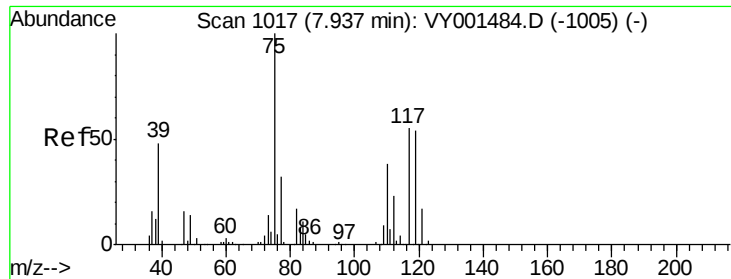
#35
 Dibromofluoromethane
 Concen: 50.581 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY001631.D
 Acq: 13 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.9	124.3
192	19.1	14.6	22.0



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

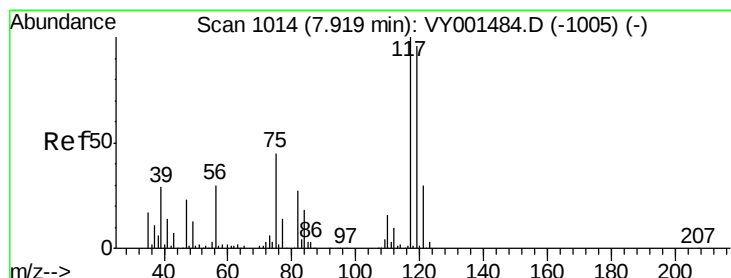
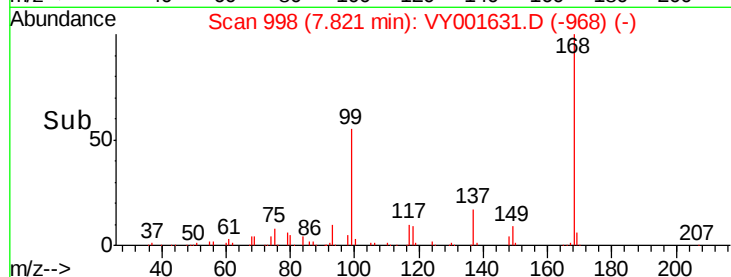
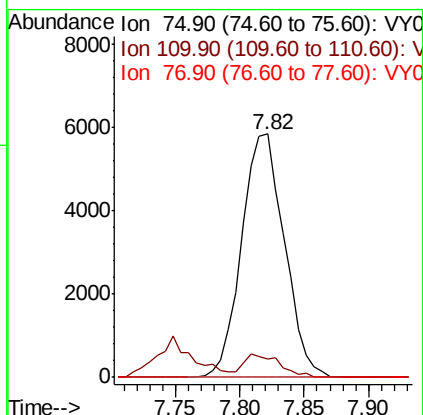
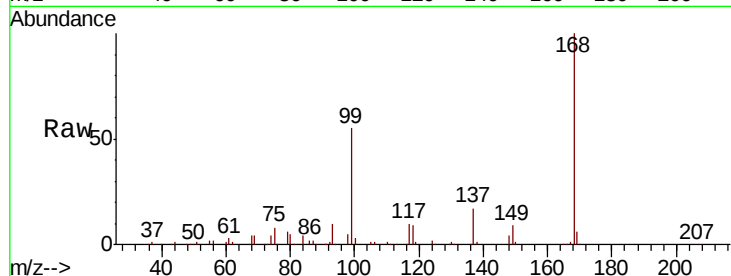




#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001631.D
 Acq: 13 Feb 2020 17:14

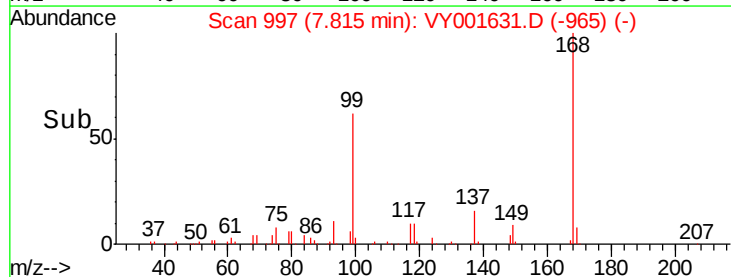
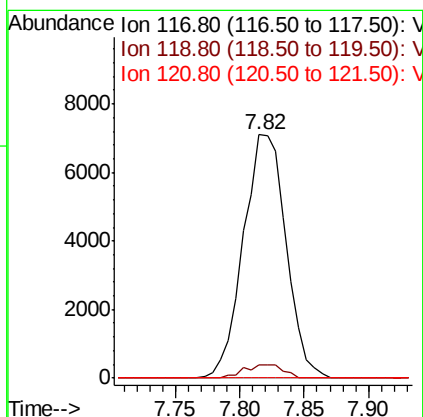
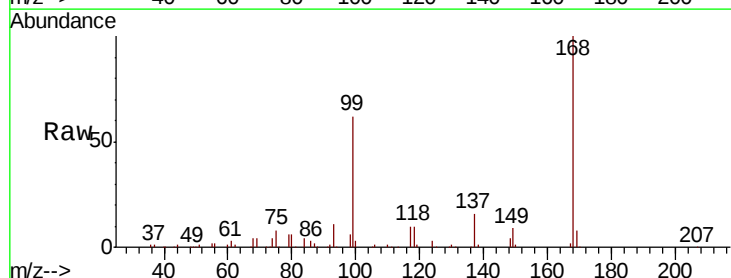
Instrument :
 MSVOA_Y
 ClientSampleId :

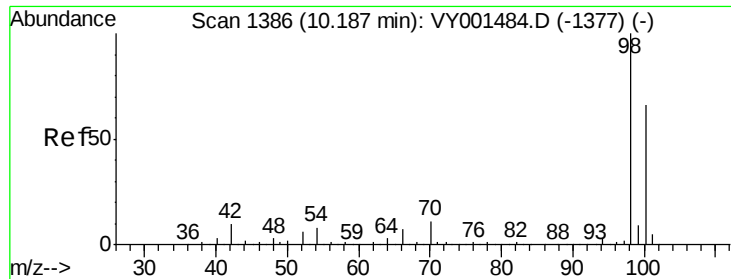
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.2	54.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.273 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.10 min
 Lab File: VY001631.D
 Acq: 13 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.4	114.6#
121	0.0	24.2	36.4#





#50

Toluene-d8

Concen: 54.808 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001631.D

Acq: 13 Feb 2020 17:14

Instrument :

MSVOA_Y

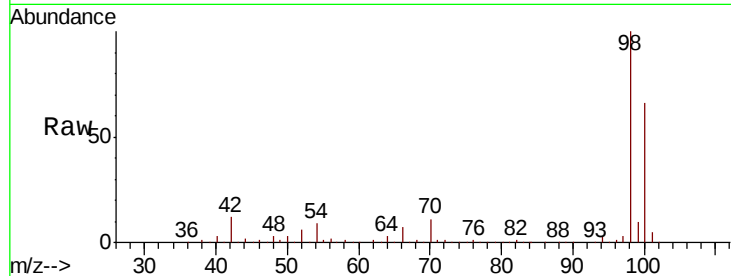
ClientSampleId :

Tot Ion: 98 Resp: 350911

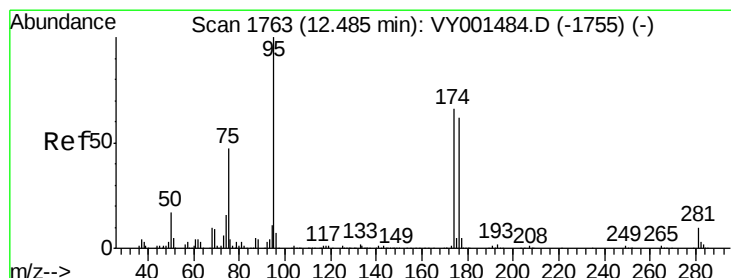
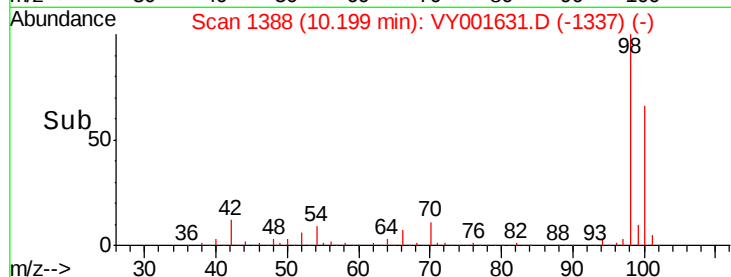
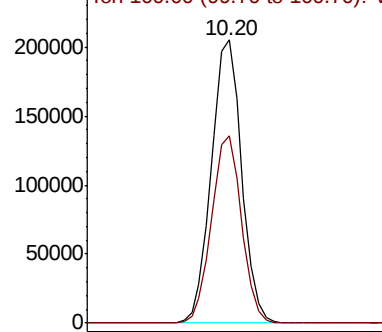
Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY001484.D (-1377) (-)



#62

4-Bromofluorobenzene

Concen: 47.388 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001631.D

Acq: 13 Feb 2020 17:14

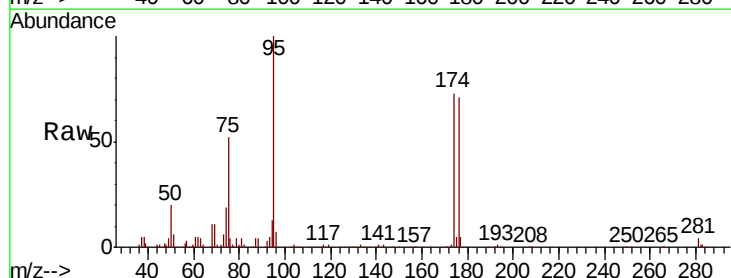
Tgt Ion: 95 Resp: 119525

Ion Ratio Lower Upper

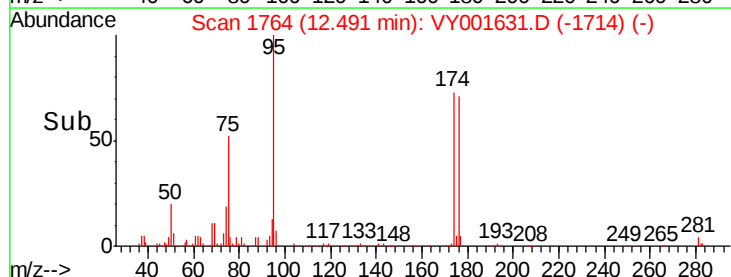
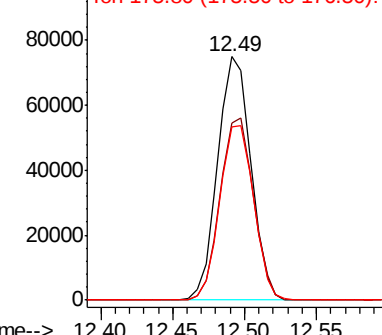
95 100

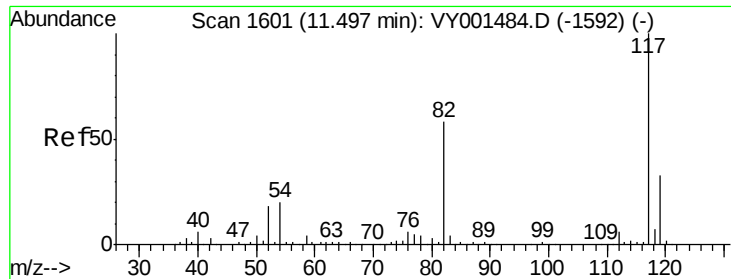
174 75.0 0.0 141.4

176 73.1 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VY001484.D (-1755) (-)

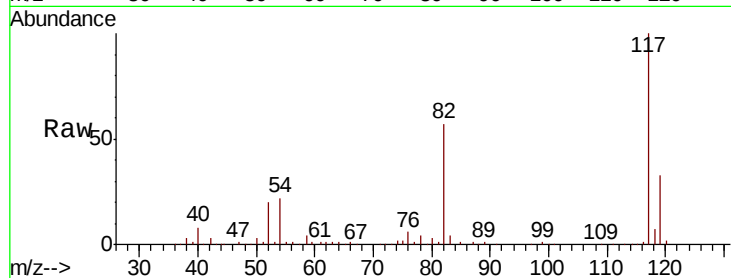




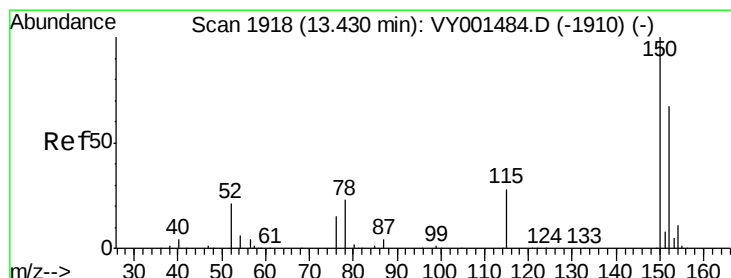
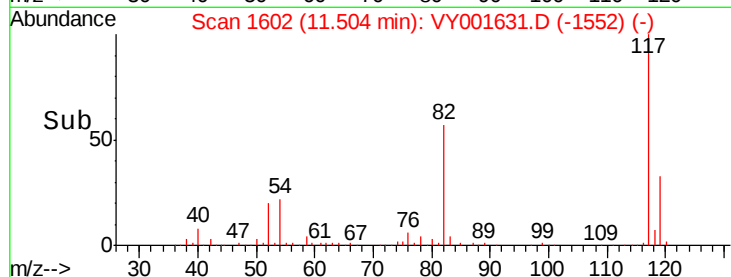
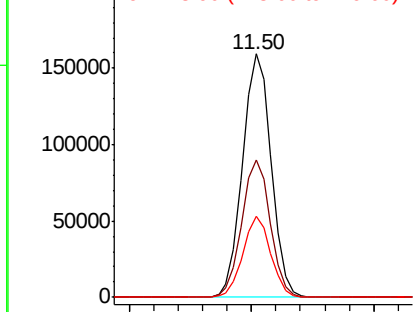
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001631.D
Acq: 13 Feb 2020 17:14

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 259103
Ion Ratio Lower Upper
117 100
82 56.7 46.1 69.1
119 33.4 26.1 39.1

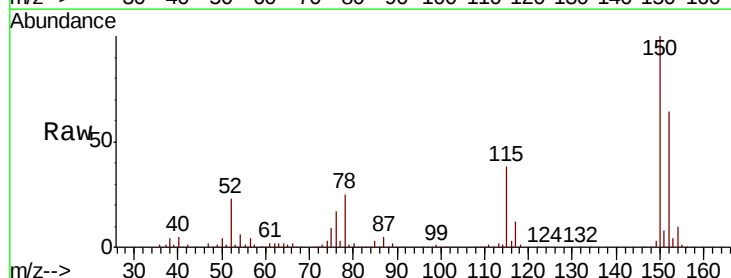


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

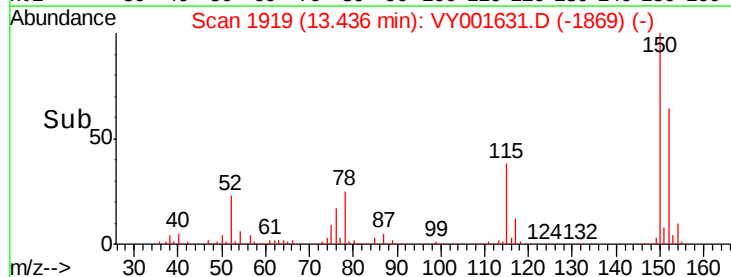
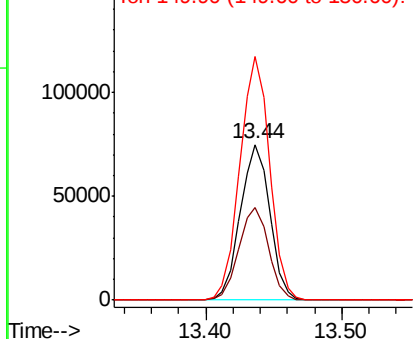


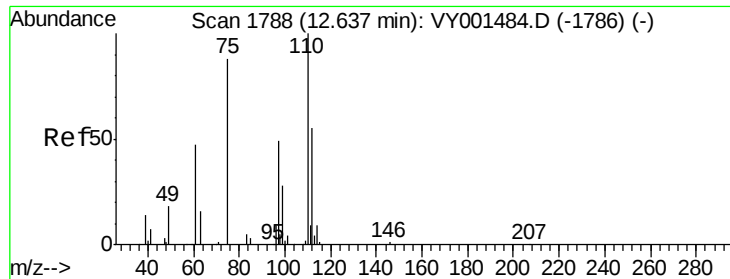
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001631.D
Acq: 13 Feb 2020 17:14

Tgt Ion:152 Resp: 113476
Ion Ratio Lower Upper
152 100
115 60.0 31.4 94.3
150 157.4 0.0 346.8



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: 50.555 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001631.D

Acq: 13 Feb 2020 17:14

Instrument :

MSVOA_Y

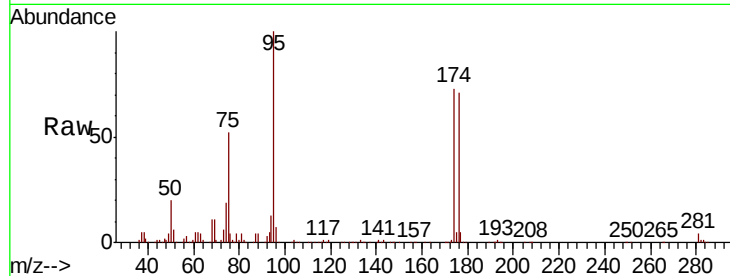
ClientSampleId :

Tot Ion: 75 Resp: 61693

Ion Ratio Lower Upper

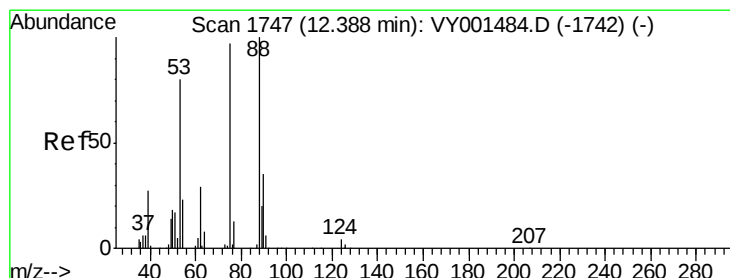
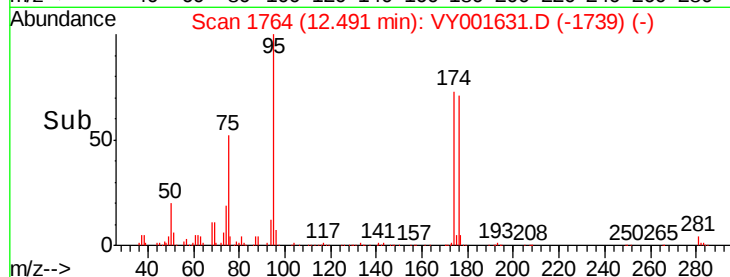
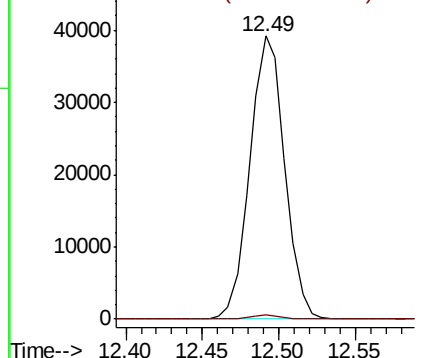
75 100

77 1.3 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: 97.821 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001631.D

Acq: 13 Feb 2020 17:14

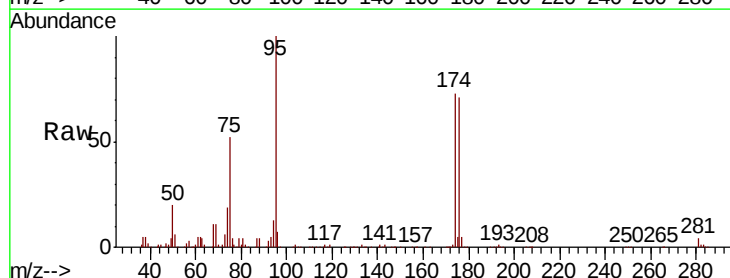
Tgt Ion: 75 Resp: 61693

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.1 34.6 52.0#



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

