

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001495.D
 Acq On : 04 Feb 2020 18:28
 Operator : SY/MD
 Sample : L1390-04
 Misc : 8.21G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4

Quant Time: Feb 05 05:50:11 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	124879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	226281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	201249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	92620	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	72931	58.00	ug/l	0.00
Spiked Amount			Recovery	=	116.00%	
35) Dibromofluoromethane	7.74	113	66798	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
50) Toluene-d8	10.19	98	265532	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
62) 4-Bromofluorobenzene	12.49	95	101548	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	

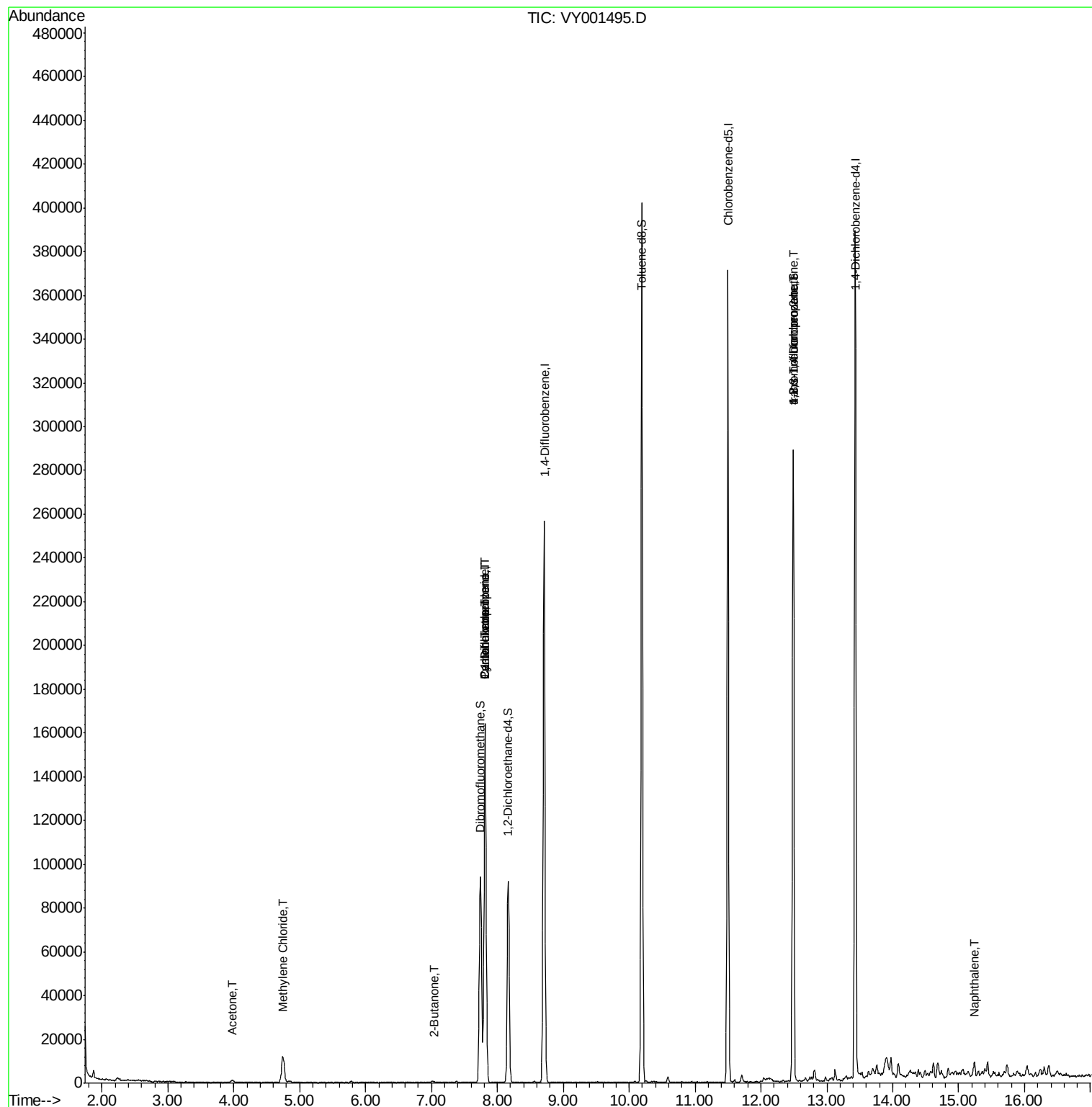
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	22	Below Cal	#	1
16) Acetone	3.98	43	2403	6.607	ug/l #	84
20) Methylene Chloride	4.74	84	9542	2.180	ug/l	96
25) 2-Butanone	7.04	43	670	1.420	ug/l #	45
31) Cyclohexane	7.81	56	2628	1.073	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	9428	4.554	ug/l #	49
38) Carbon Tetrachloride	7.82	117	12488	6.235	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	49681	49.879	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	49681	96.513	ug/l #	16
95) Naphthalene	15.25	128	4368	1.039	ug/l #	95

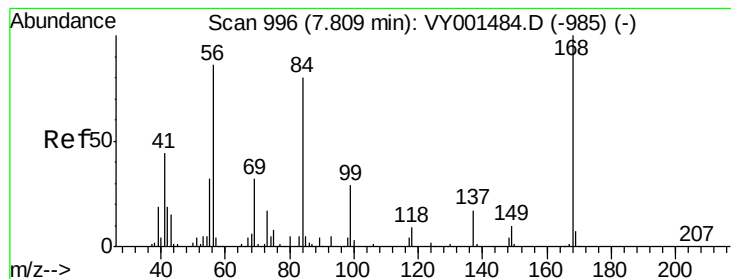
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 997

Delta R.T. 0.01 min

Lab File: VY001495.D

Acq: 04 Feb 2020 18:28

Instrument :

MSVOA_Y

ClientSampled :

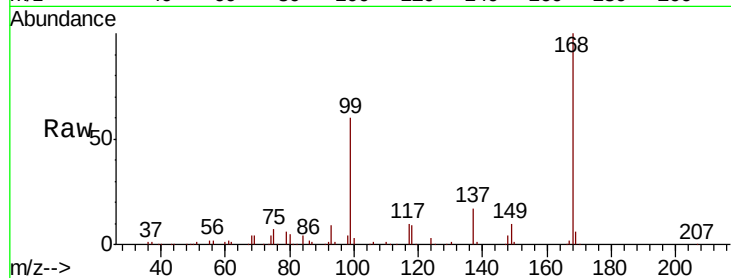
SB-4

Tot Ion:168 Resp: 124879

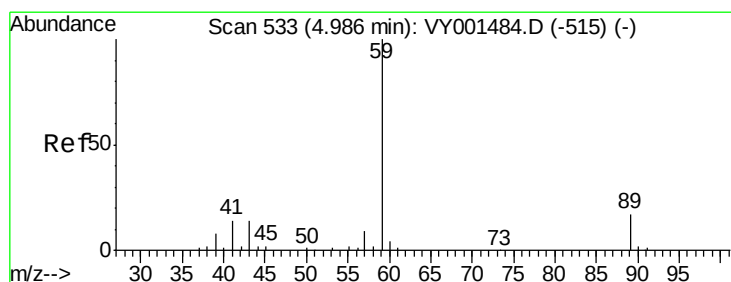
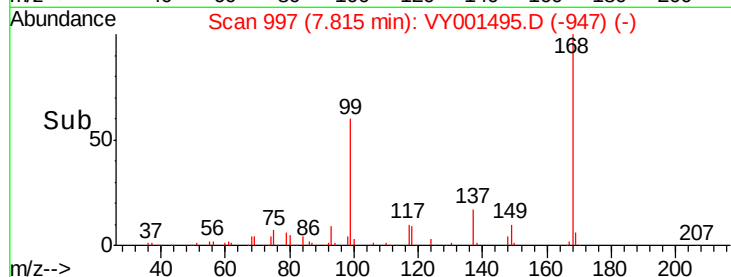
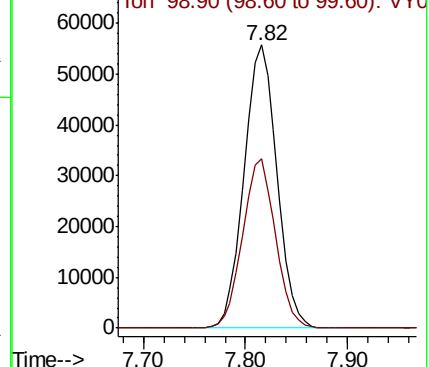
Ion Ratio Lower Upper

168 100

99 60.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. 0.00 min

Lab File: VY001495.D

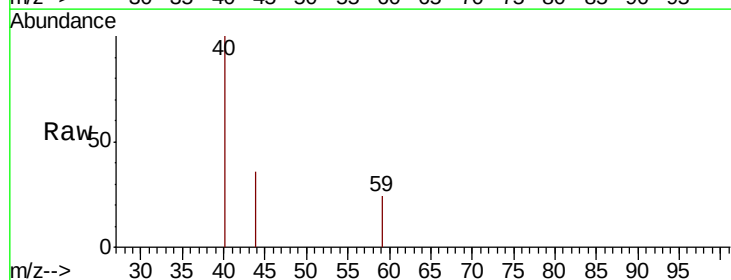
Acq: 04 Feb 2020 18:28

Tgt Ion: 59 Resp: 22

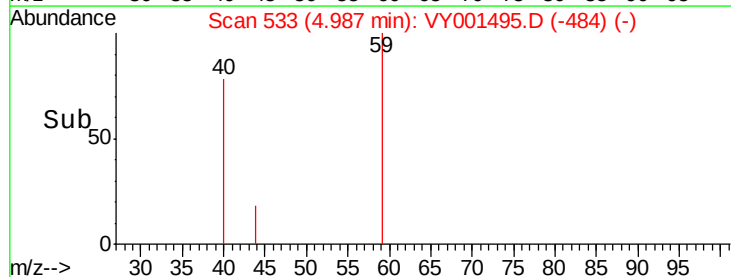
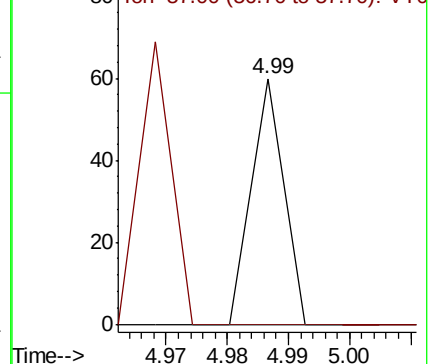
Ion Ratio Lower Upper

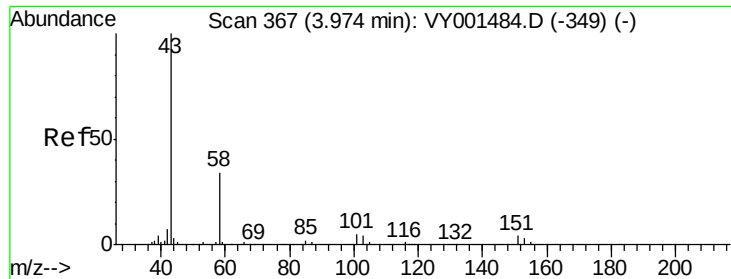
59 100

57 113.6 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001484.D (-515) (-)





#16

Acetone

Concen: 6.607 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001495.D

Acq: 04 Feb 2020 18:28

Instrument :

MSVOA_Y

ClientSampleId :

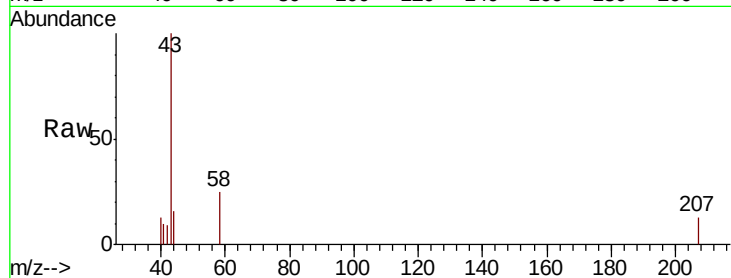
SB-4

Tot Ion: 43 Resp: 2403

Ion Ratio Lower Upper

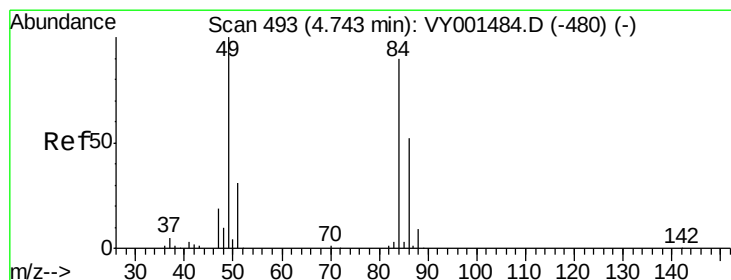
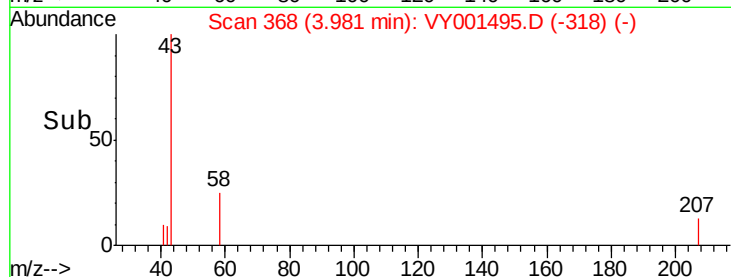
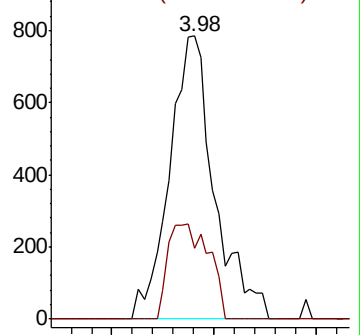
43 100

58 25.2 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 2.180 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.00 min

Lab File: VY001495.D

Acq: 04 Feb 2020 18:28

Tgt Ion: 84 Resp: 9542

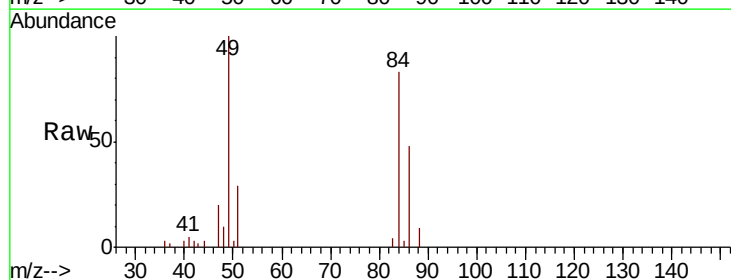
Ion Ratio Lower Upper

84 100

49 118.0 89.0 133.6

51 35.1 27.4 41.2

86 57.6 46.6 70.0

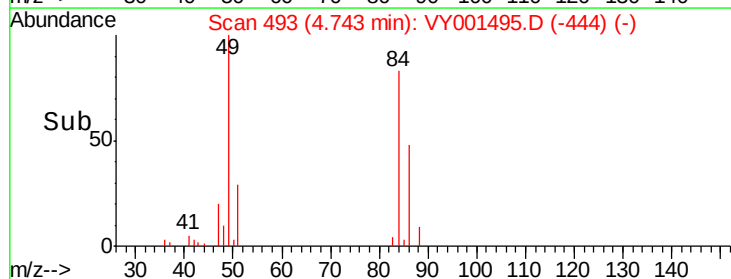
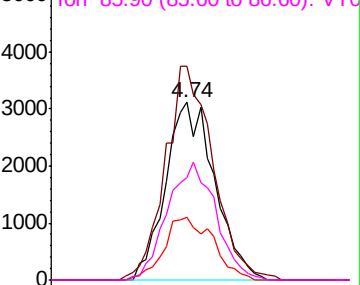


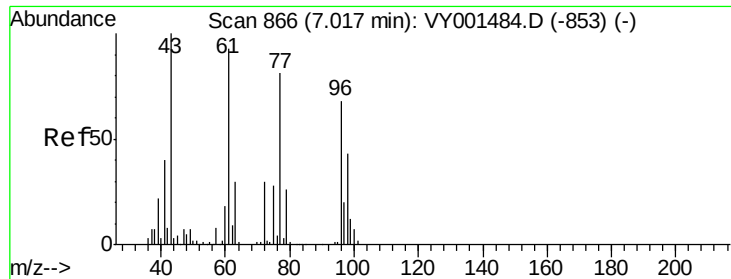
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#25

2-Butanone

Concen: 1.420 ug/l

RT: 7.04 min Scan# 870

Delta R.T. 0.02 min

Lab File: VY001495.D

Acq: 04 Feb 2020 18:28

Instrument :

MSVOA_Y

ClientSampled :

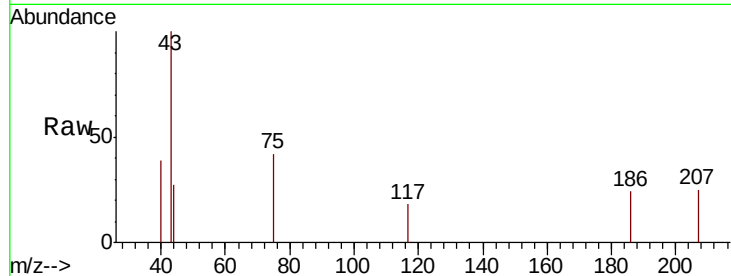
SB-4

Tot Ion: 43 Resp: 670

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.8#

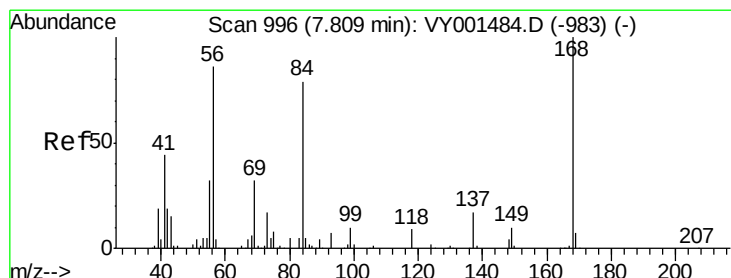
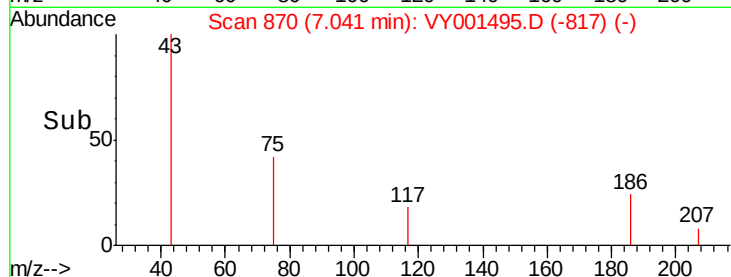


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.04

Time--> 6.95 7.00 7.05 7.10



#31

Cyclohexane

Concen: 1.073 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001495.D

Acq: 04 Feb 2020 18:28

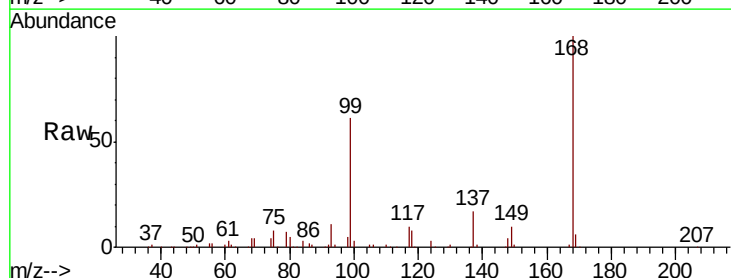
Tgt Ion: 56 Resp: 2628

Ion Ratio Lower Upper

56 100

69 166.0 29.6 44.4#

84 147.7 73.6 110.4#



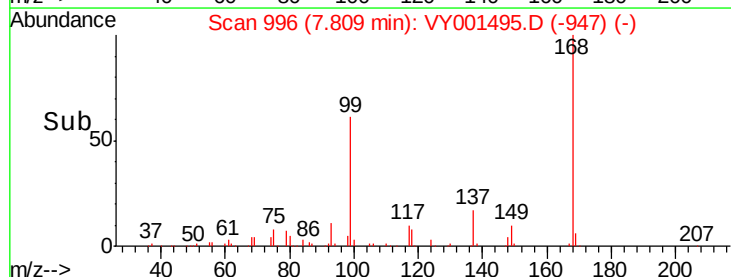
Abundance Ion 56.00 (55.70 to 56.70): VY0

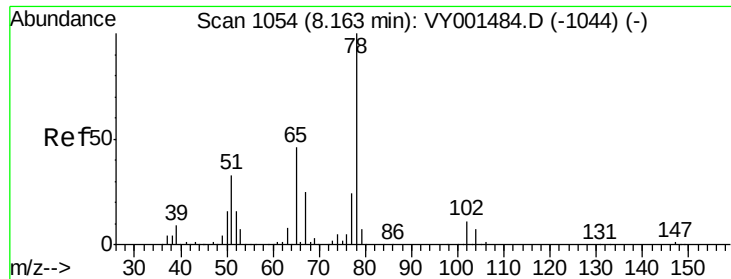
Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

7.81

Time--> 7.75 7.80 7.85

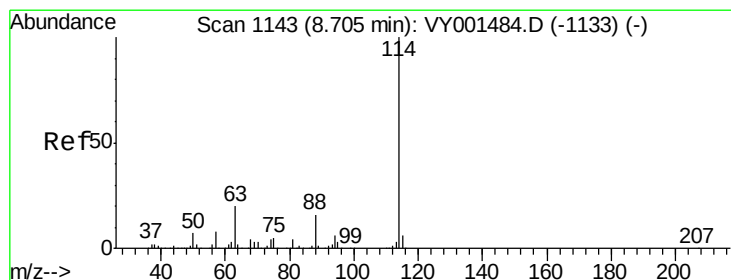
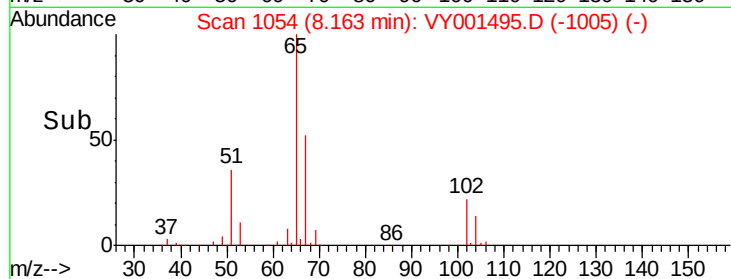
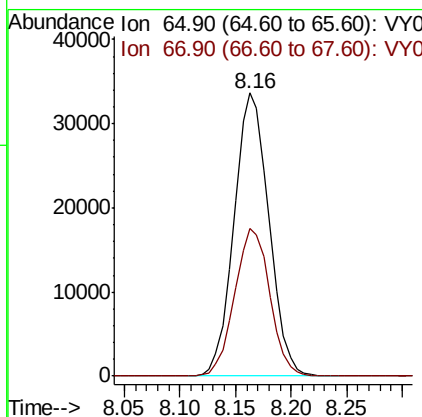
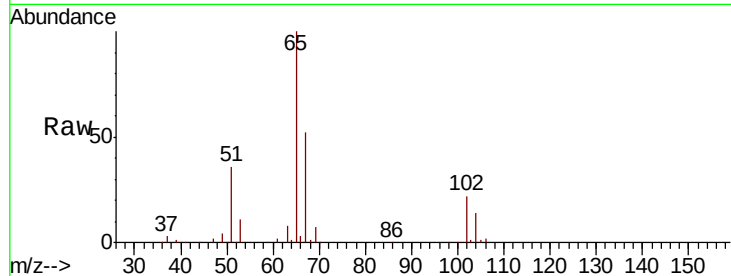




#33
 1,2-Dichloroethane-d4
 Concen: 58.004 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001495.D
 Acq: 04 Feb 2020 18:28

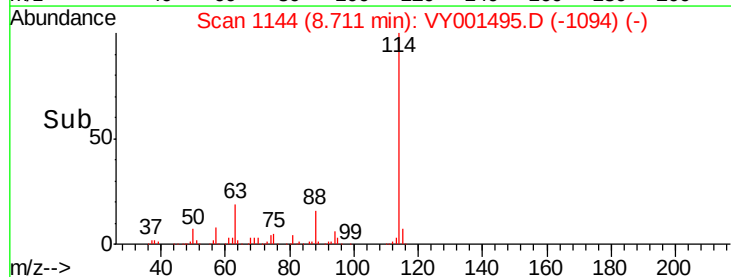
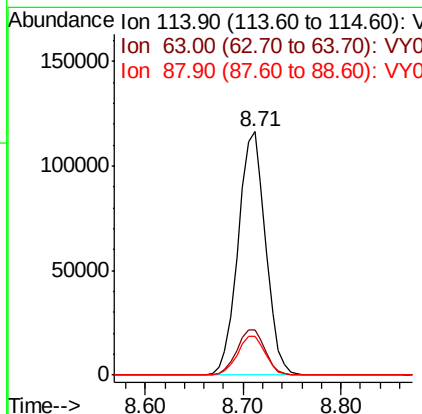
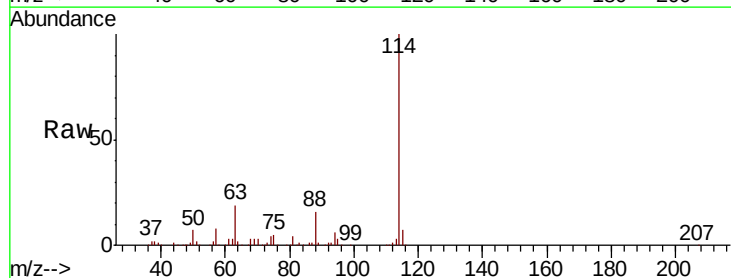
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4

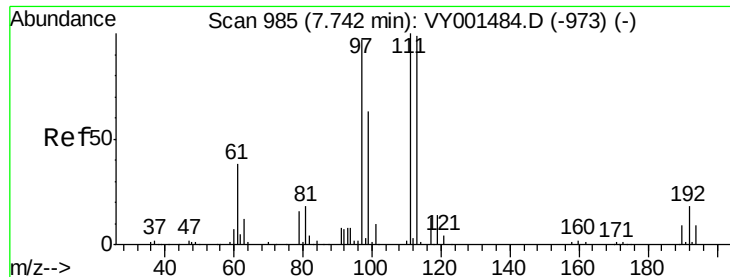
Tot Ion: 65 Resp: 72931
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001495.D
 Acq: 04 Feb 2020 18:28

Tgt Ion: 114 Resp: 226281
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.8
 88 15.7 0.0 32.6

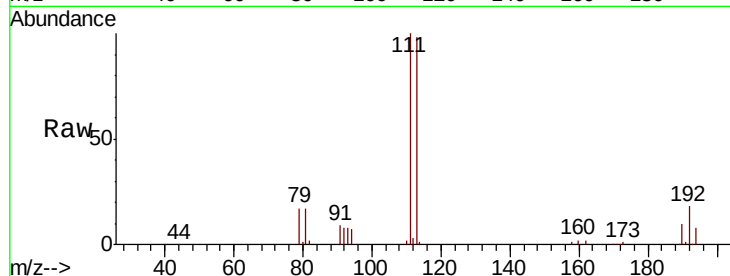




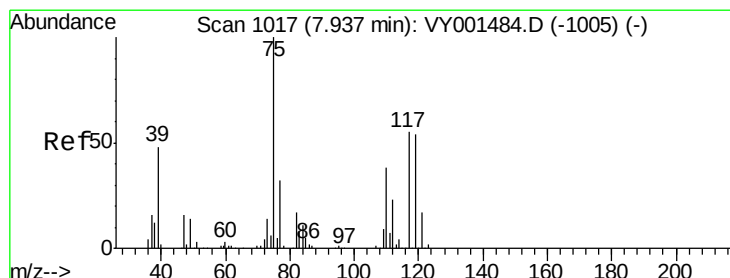
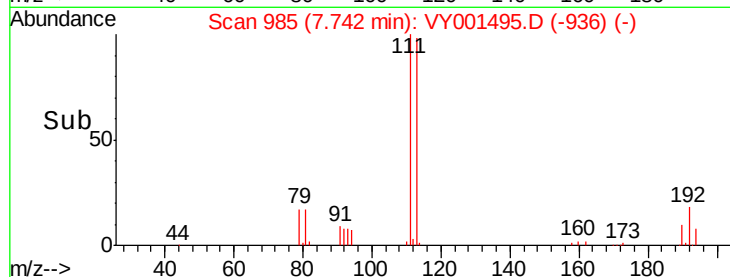
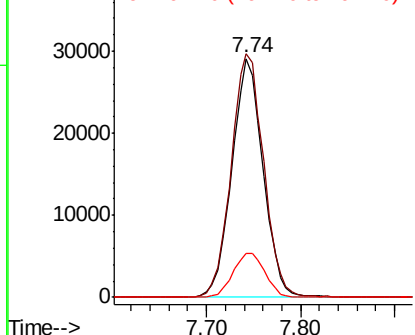
#35
Dibromofluoromethane
Concen: 51.192 ug/l
RT: 7.74 min Scan# 985
Delta R.T. 0.00 min
Lab File: VY001495.D
Acq: 04 Feb 2020 18:28

Instrument :
MSVOA_Y
ClientSampleId :
SB-4

Tot Ion:113 Resp: 66798
Ion Ratio Lower Upper
113 100
111 105.9 82.9 124.3
192 19.2 14.6 22.0

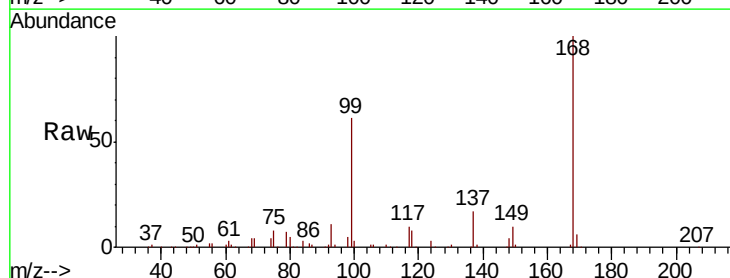


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

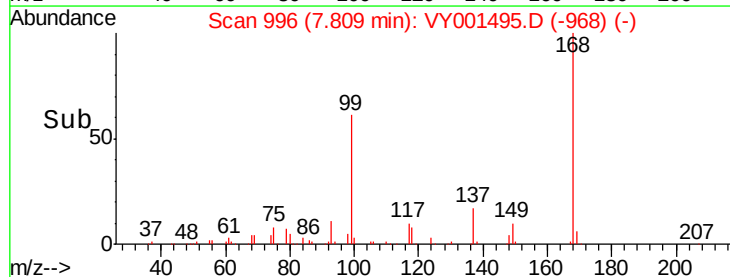
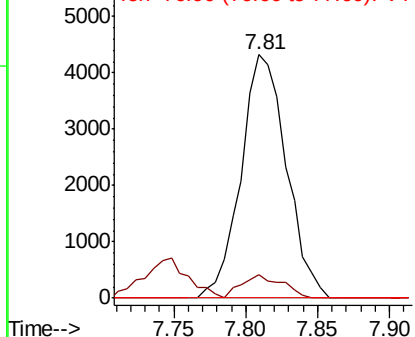


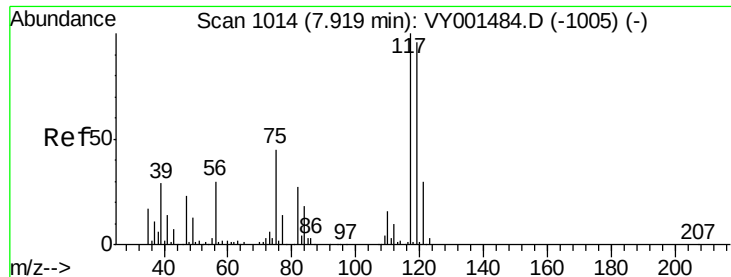
#36
1,1-Dichloropropene
Concen: 4.554 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.13 min
Lab File: VY001495.D
Acq: 04 Feb 2020 18:28

Tgt Ion: 75 Resp: 9428
Ion Ratio Lower Upper
75 100
110 8.6 18.2 54.6#
77 0.0 25.0 37.4#



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: 6.235 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY001495.D

Acq: 04 Feb 2020 18:28

Instrument :

MSVOA_Y

ClientSampleId :

SB-4

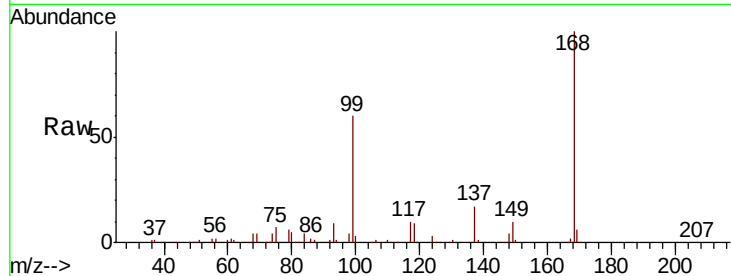
Tot Ion:117 Resp: 12488

Ion Ratio Lower Upper

117 100

119 5.0 76.4 114.6#

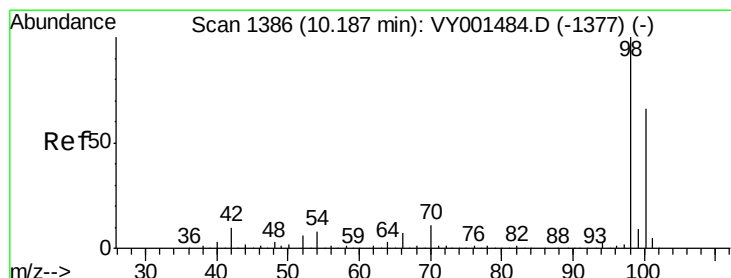
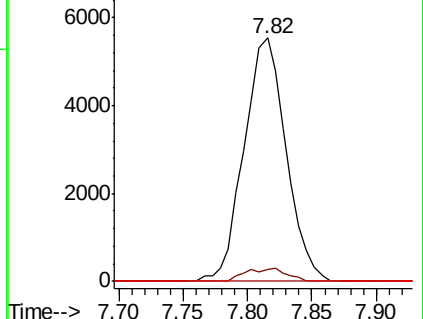
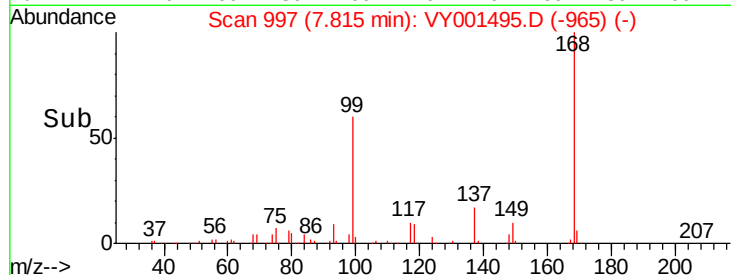
121 0.0 24.2 36.4#



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: 53.786 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001495.D

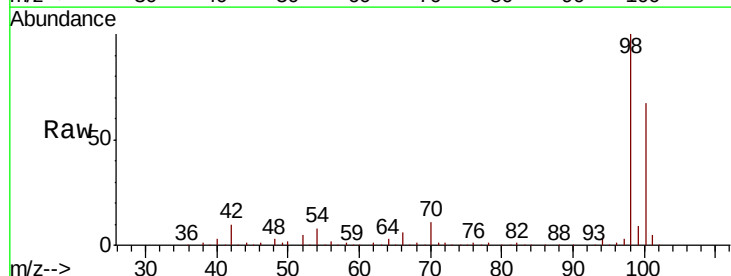
Acq: 04 Feb 2020 18:28

Tgt Ion: 98 Resp: 265532

Ion Ratio Lower Upper

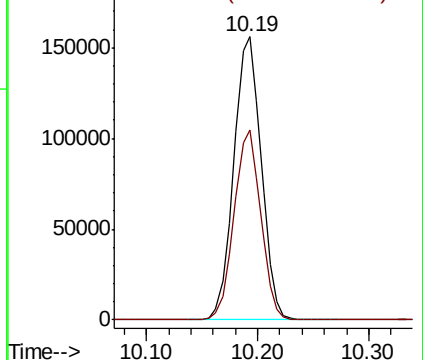
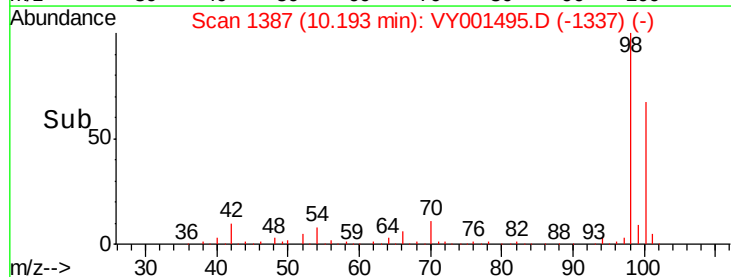
98 100

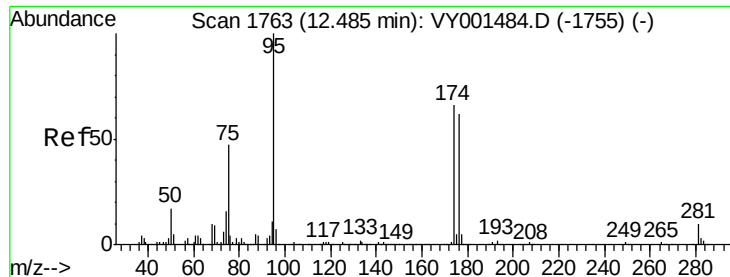
100 65.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

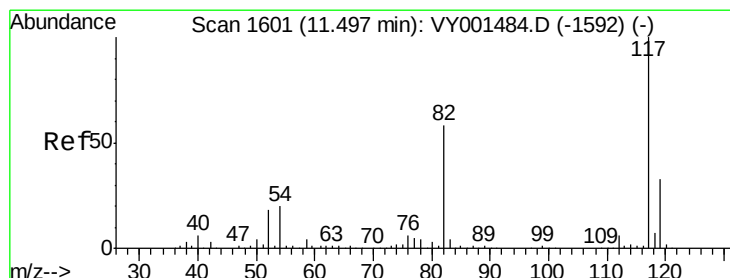
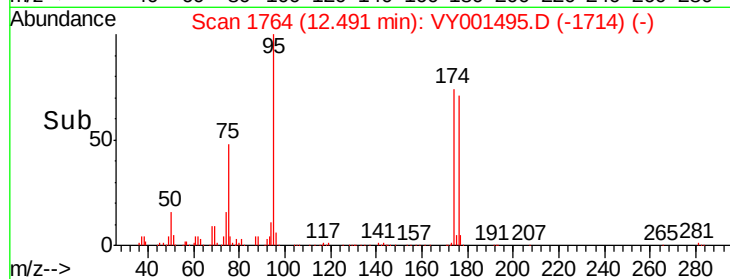
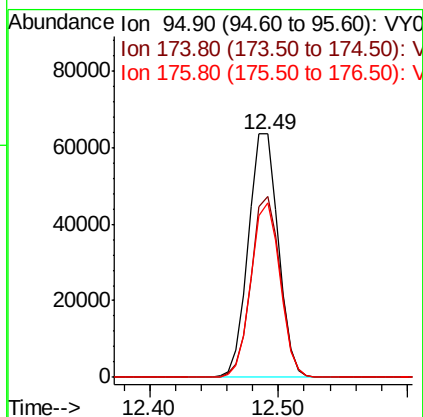
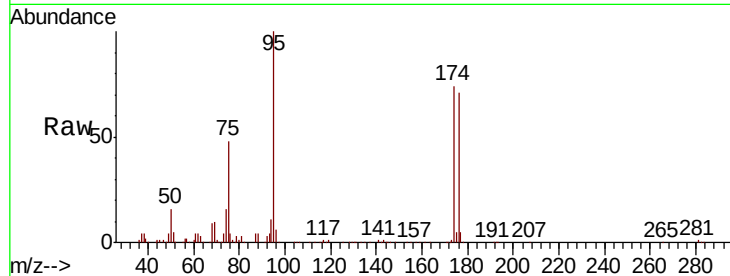




#62
4-Bromofluorobenzene
Concen: 52.214 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001495.D
Acq: 04 Feb 2020 18:28

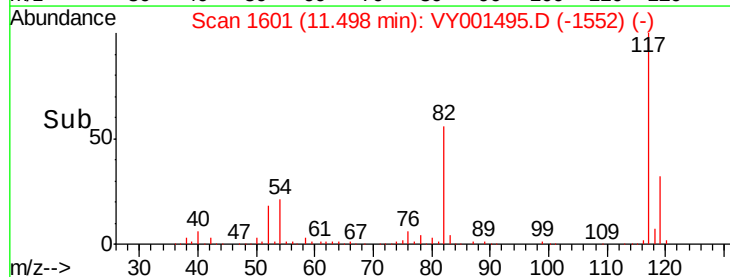
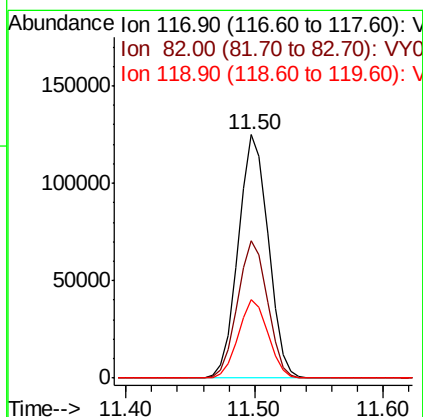
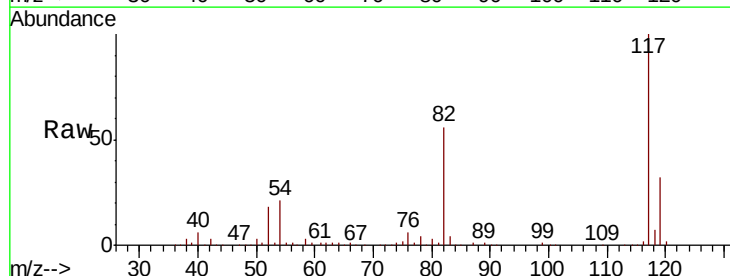
Instrument :
MSVOA_Y
ClientSampled :
SB-4

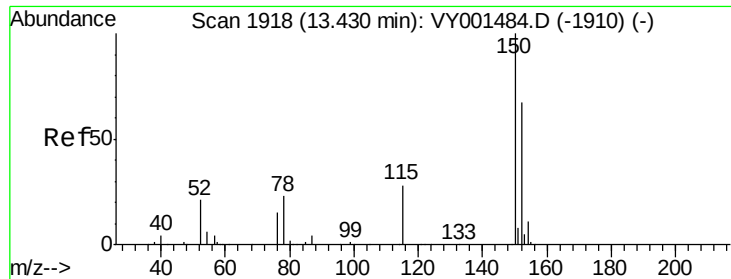
Tot Ion: 95 Resp: 101548
Ion Ratio Lower Upper
95 100
174 72.2 0.0 141.4
176 69.9 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001495.D
Acq: 04 Feb 2020 18:28

Tgt Ion: 117 Resp: 201249
Ion Ratio Lower Upper
117 100
82 56.4 46.1 69.1
119 32.1 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001495.D

Acq: 04 Feb 2020 18:28

Instrument :

MSVOA_Y

ClientSampleId :

SB-4

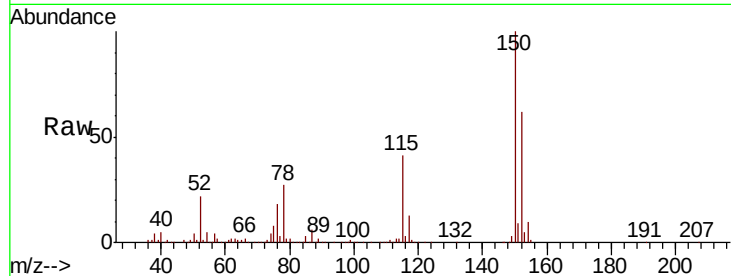
Tot Ion:152 Resp: 92620

Ion Ratio Lower Upper

152 100

115 64.4 31.4 94.3

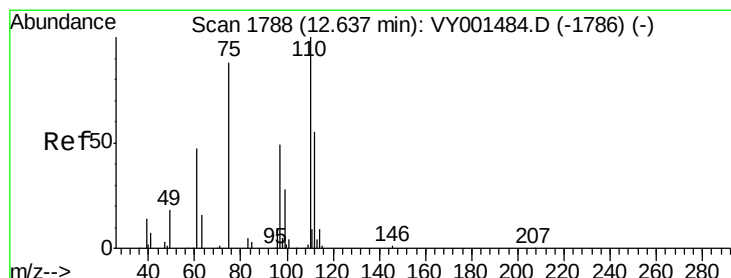
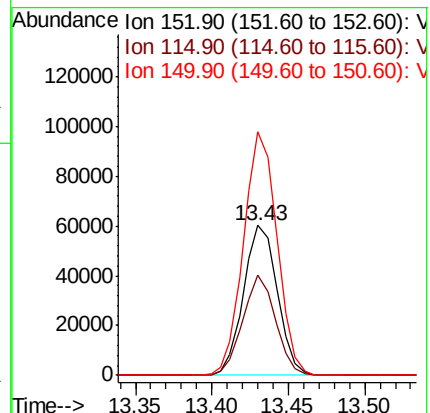
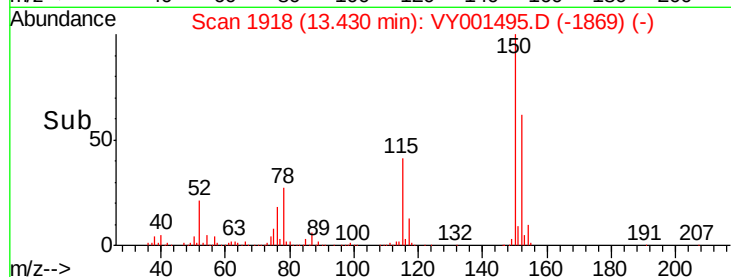
150 160.8 0.0 346.8



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: 49.879 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001495.D

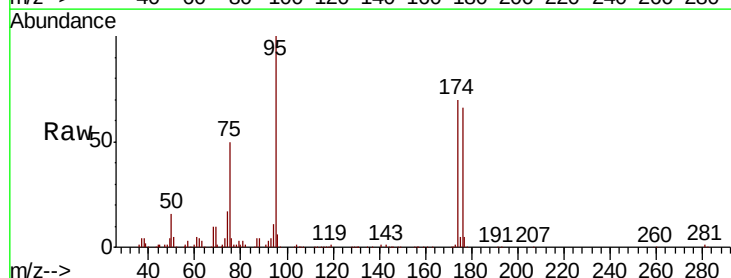
Acq: 04 Feb 2020 18:28

Tgt Ion: 75 Resp: 49681

Ion Ratio Lower Upper

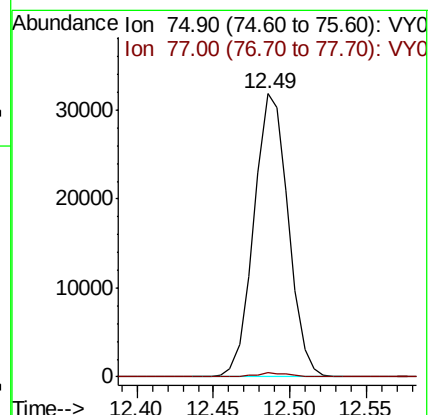
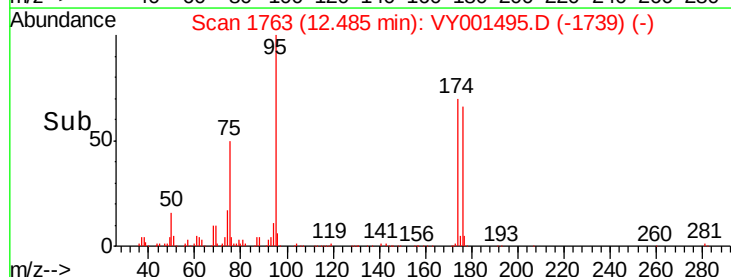
75 100

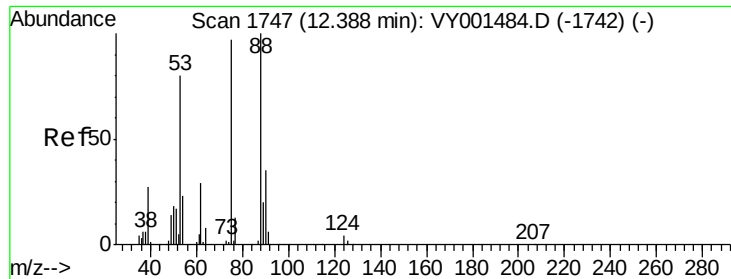
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

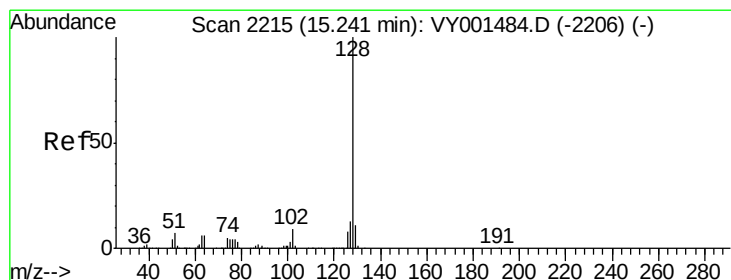
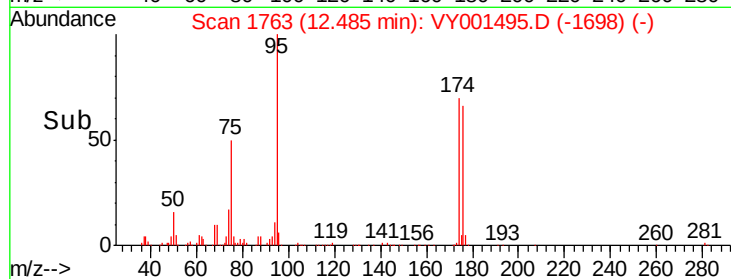
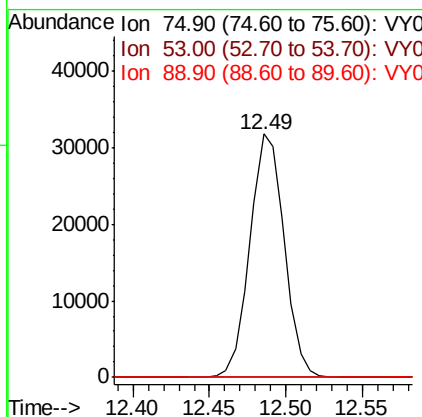
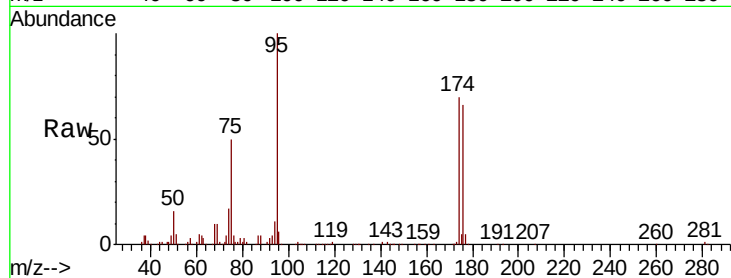




#81
trans-1,4-Dichloro-2-butene
Concen: 96.513 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.10 min
Lab File: VY001495.D
Acq: 04 Feb 2020 18:28

Instrument :
MSVOA_Y
ClientSampleId :
SB-4

Tot Ion: 75 Resp: 49681
Ion Ratio Lower Upper
75 100
53 0.0 67.7 101.5#
89 0.0 34.6 52.0#



#95
Naphthalene
Concen: 1.039 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001495.D
Acq: 04 Feb 2020 18:28

Tgt Ion: 128 Resp: 4368
Ion Ratio Lower Upper
128 100
127 14.1 10.1 15.1
129 13.8 8.9 13.3#

