

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001879.D
 Acq On : 05 Mar 2020 14:13
 Operator : SY/MD
 Sample : L1778-20
 Misc : 7.52G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 06 04:38:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

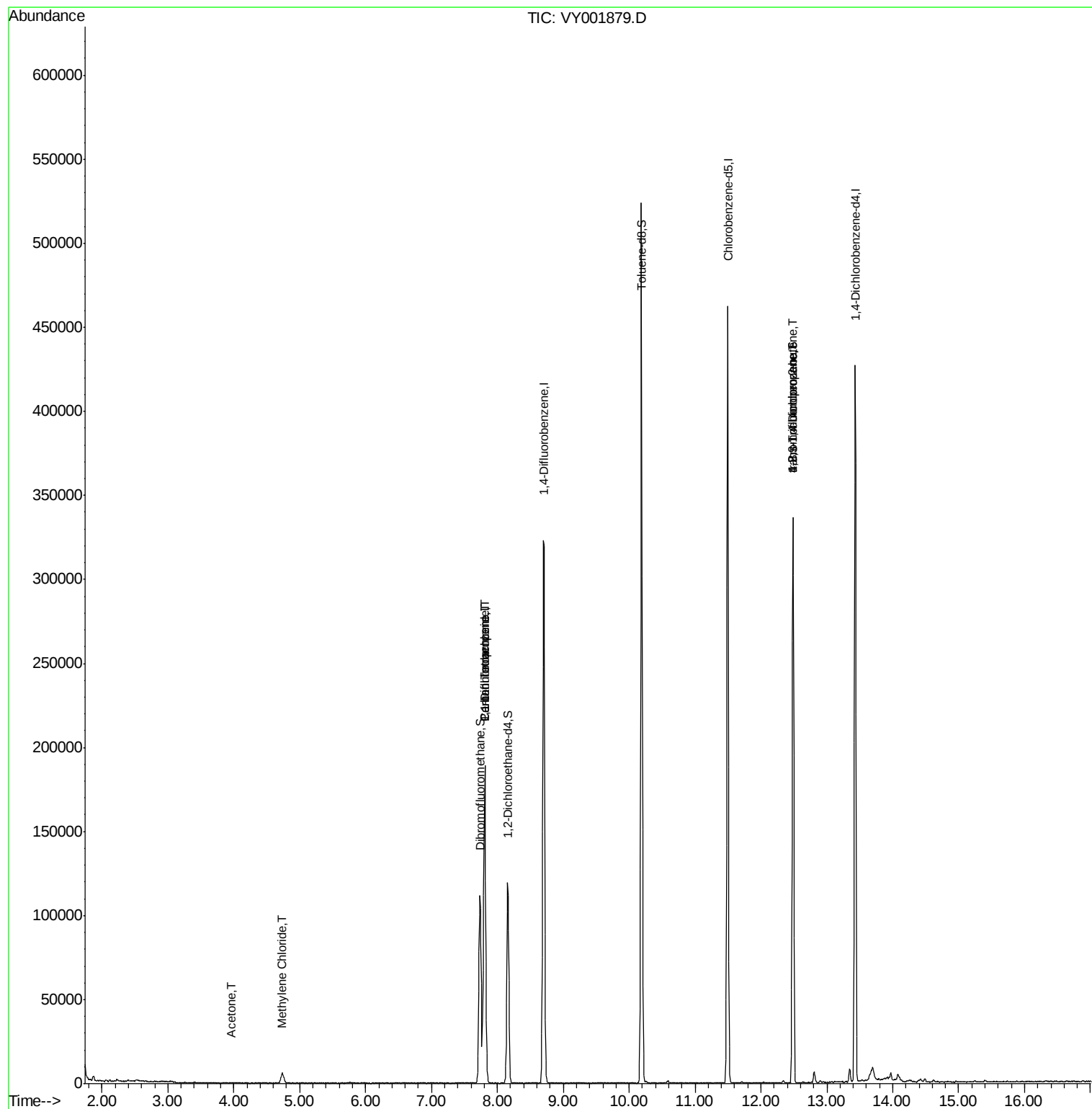
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	143671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	272241	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	245736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	103595	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	87535	57.07	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	114.14%	
35) Dibromofluoromethane	7.74	113	80228	53.97	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	107.94%	
50) Toluene-d8	10.19	98	331943	52.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.90%	
62) 4-Bromofluorobenzene	12.49	95	110330	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.24%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.66	94	78	Below Cal	#	4
11) Tert butyl alcohol	4.83	59	22	Below Cal	#	74
16) Acetone	3.96	43	691	1.547	ug/l	91
20) Methylene Chloride	4.74	84	4329	2.261	ug/l #	86
36) 1,1-Dichloropropene	7.81	75	12641	4.825	ug/l #	50
38) Carbon Tetrachloride	7.80	117	14898	6.657	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	56634	46.073	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56634	93.065	ug/l #	17

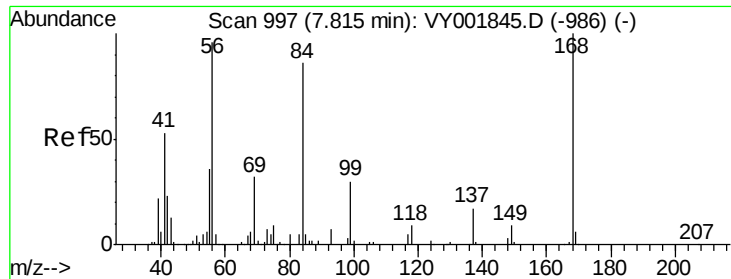
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 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: VY001879.D

Acq: 05 Mar 2020 14:13

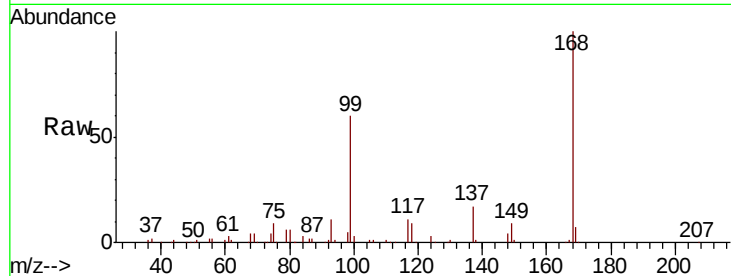
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 143671

Ion Ratio Lower Upper

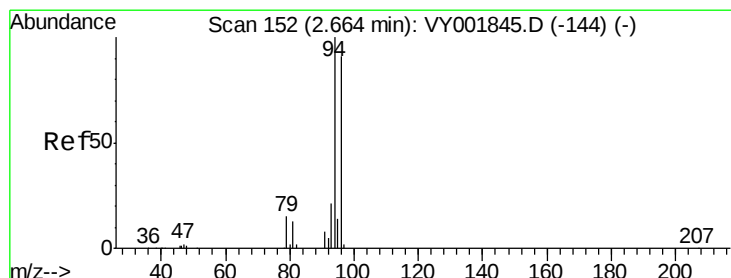
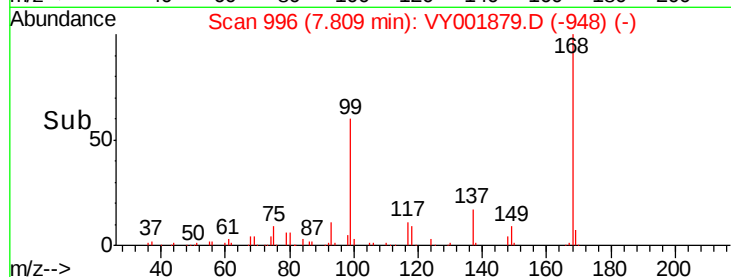
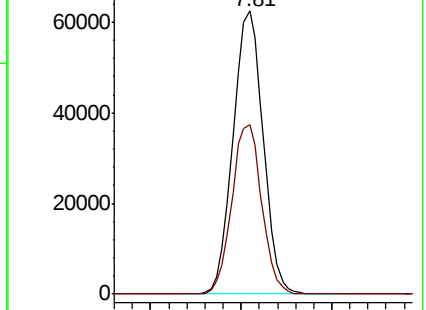
168 100

99 59.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001879.D

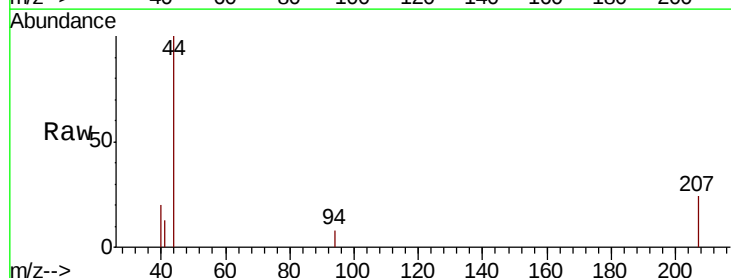
Acq: 05 Mar 2020 14:13

Tgt Ion: 94 Resp: 78

Ion Ratio Lower Upper

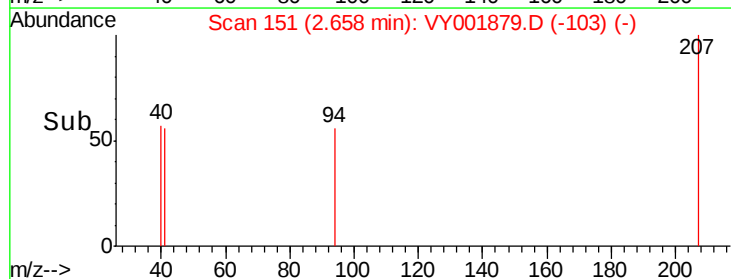
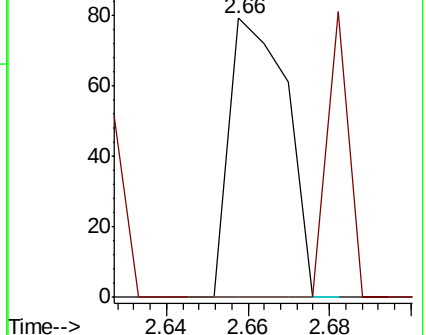
94 100

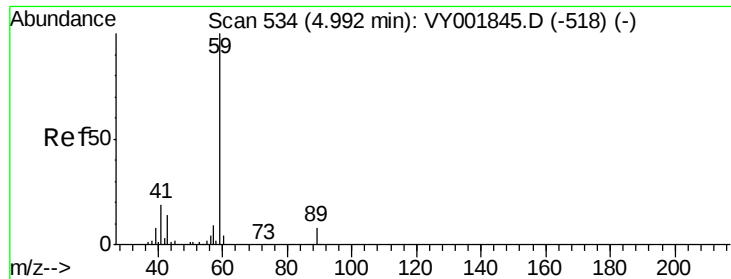
96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)



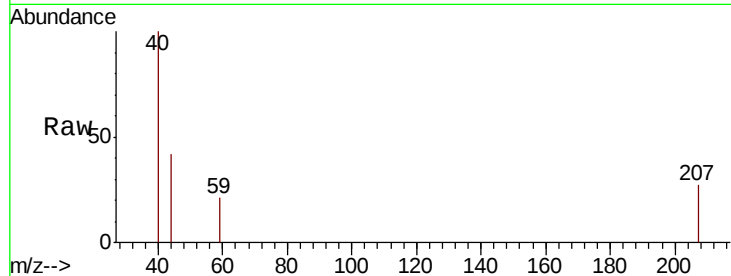


#11

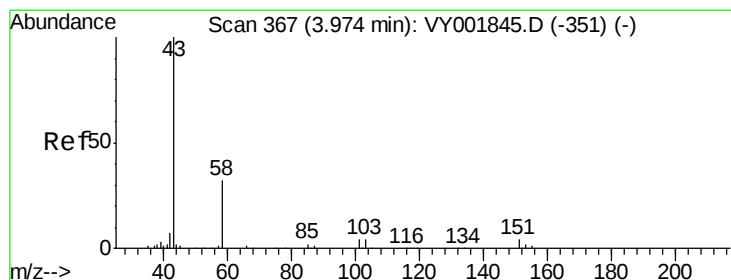
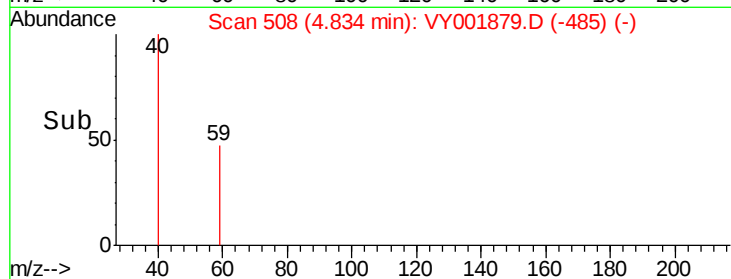
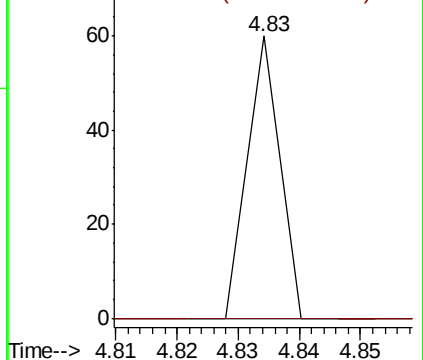
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.83 min Scan# 508
 Delta R.T. -0.16 min
 Lab File: VY001879.D
 Acq: 05 Mar 2020 14:13

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 59 Resp: 22
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



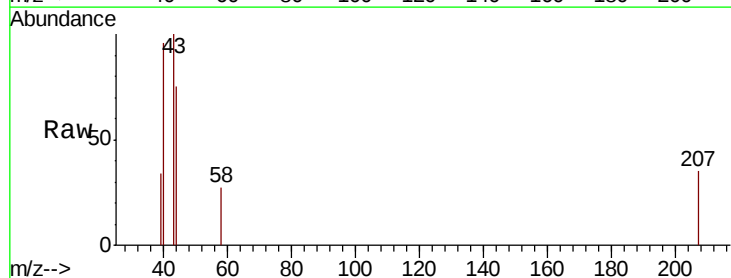
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



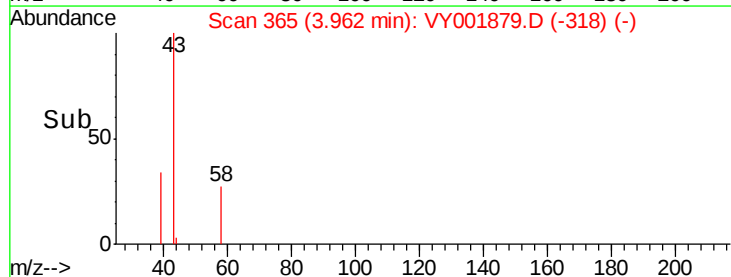
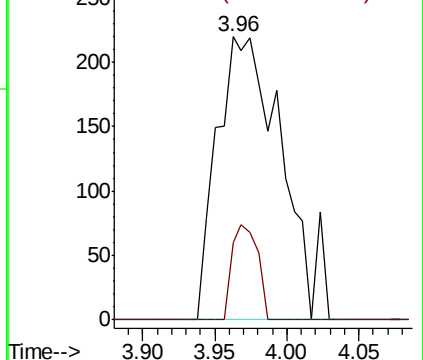
#16

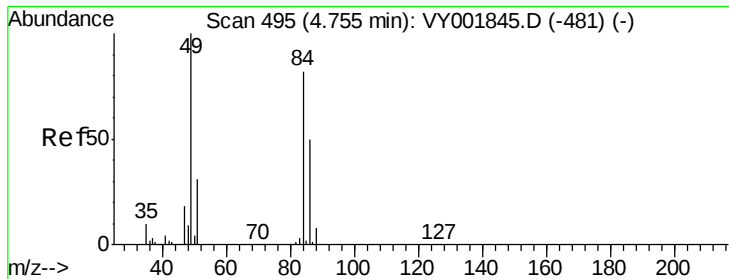
Acetone
 Concen: 1.547 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VY001879.D
 Acq: 05 Mar 2020 14:13

Tgt Ion: 43 Resp: 691
 Ion Ratio Lower Upper
 43 100
 58 27.3 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

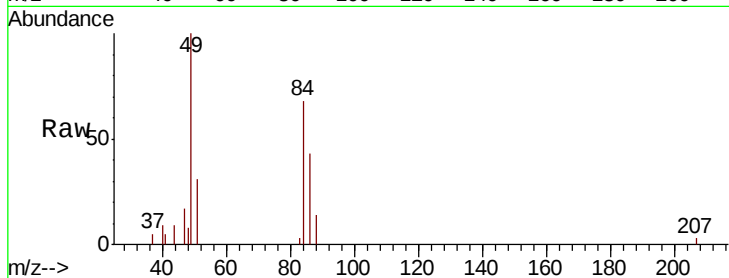




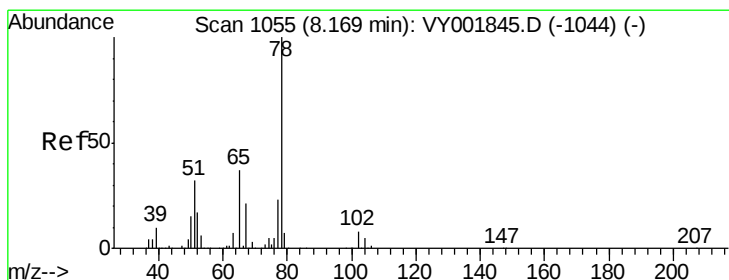
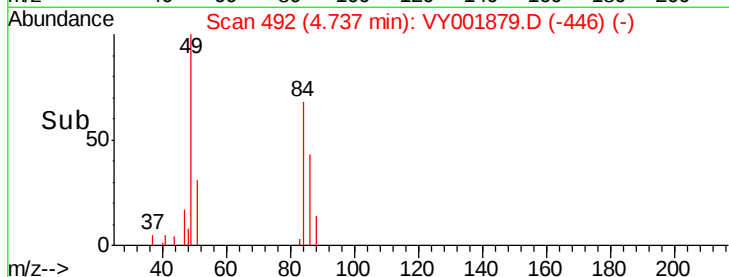
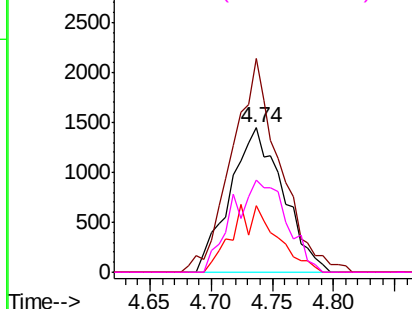
#20
Methvlene Chloride
Concen: 2.261 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.02 min
Lab File: VY001879.D
Acq: 05 Mar 2020 14:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 4329
Ion Ratio Lower Upper
84 100
49 143.7 98.2 147.2
51 46.5 30.2 45.2#
86 64.0 48.9 73.3

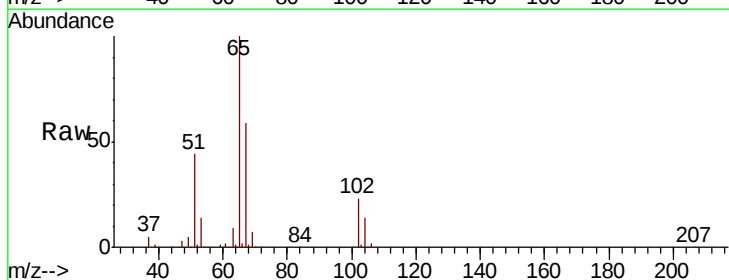


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

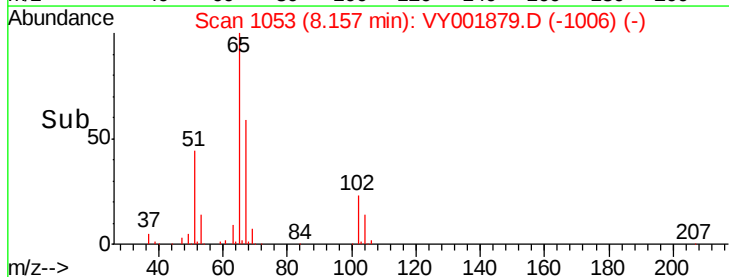
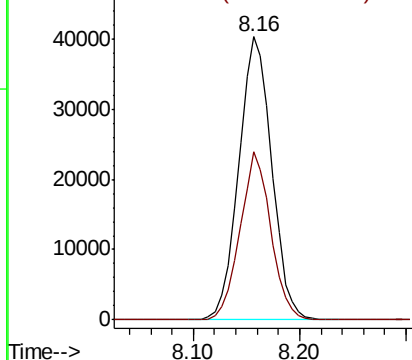


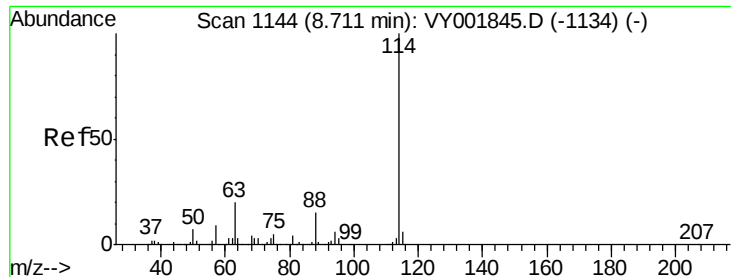
#33
1,2-Dichloroethane-d4
Concen: 57.071 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VY001879.D
Acq: 05 Mar 2020 14:13

Tgt Ion: 65 Resp: 87535
Ion Ratio Lower Upper
65 100
67 55.5 0.0 110.8



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

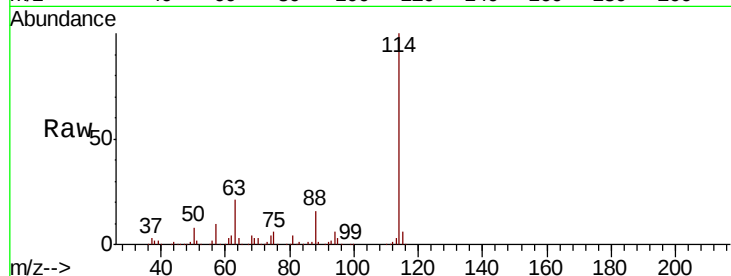




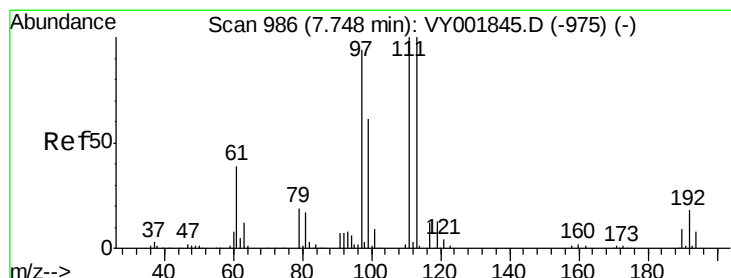
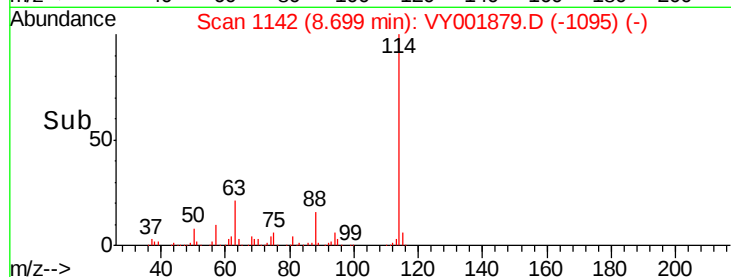
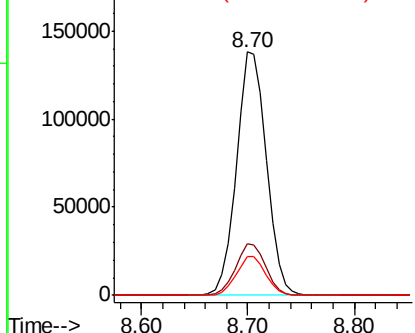
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001879.D
 Acq: 05 Mar 2020 14:13

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	39.4
88	16.0	0.0	30.4

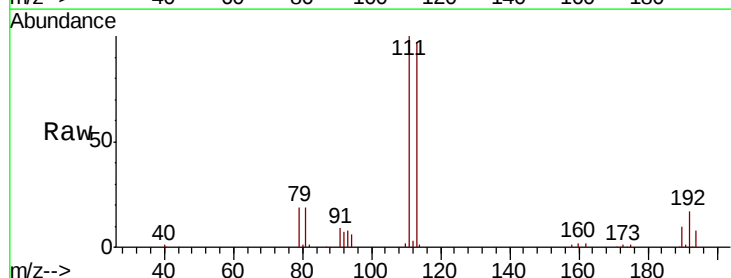


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

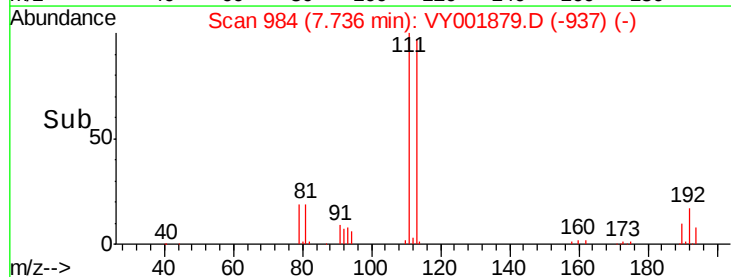
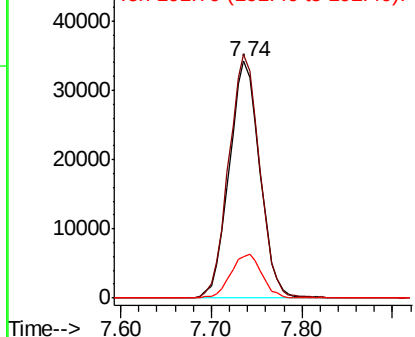


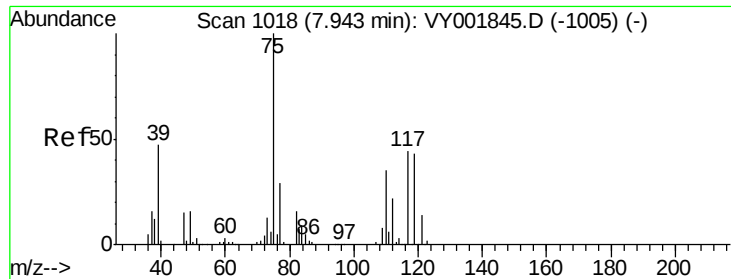
#35
 Dibromofluoromethane
 Concen: 53.969 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001879.D
 Acq: 05 Mar 2020 14:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	18.5	14.2	21.2



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

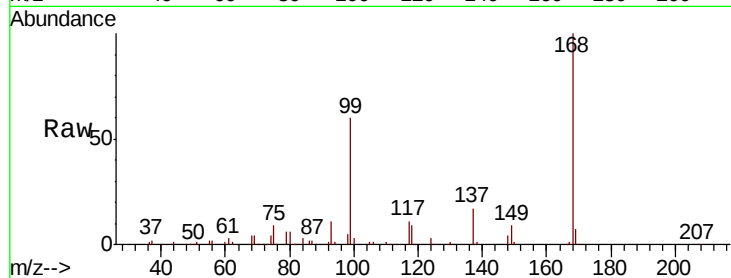




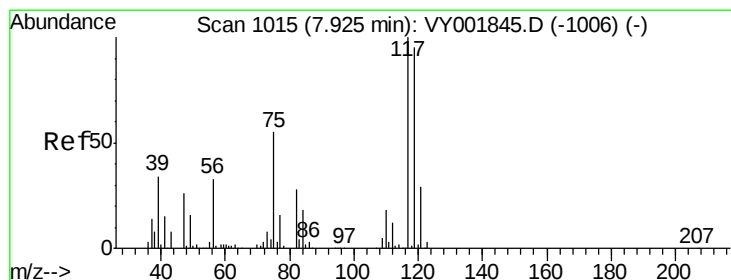
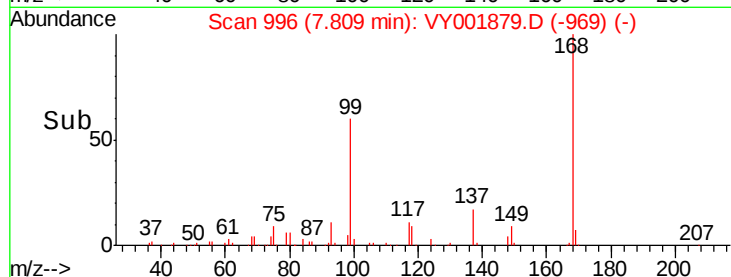
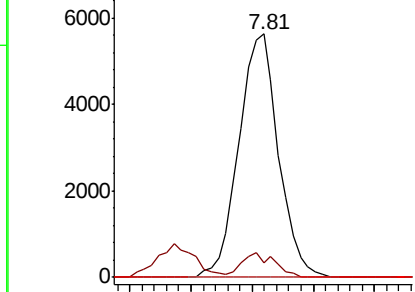
#36
 1,1-Dichloropropene
 Concen: 4.825 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001879.D
 Acq: 05 Mar 2020 14:13

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.4	52.2#
77	0.0	24.2	36.2#

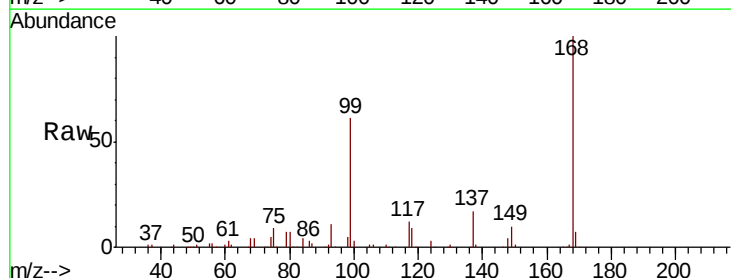


Abundance Ion 74.90 (74.60 to 75.60): VY001845.D (-1005) (-)
 Ion 109.90 (109.60 to 110.60): VY001845.D (-1005) (-)
 Ion 76.90 (76.60 to 77.60): VY001845.D (-1005) (-)

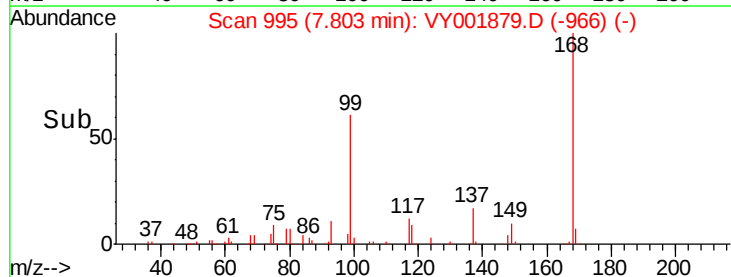
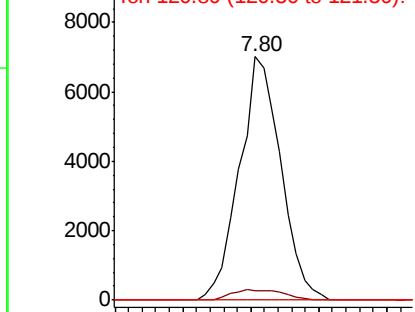


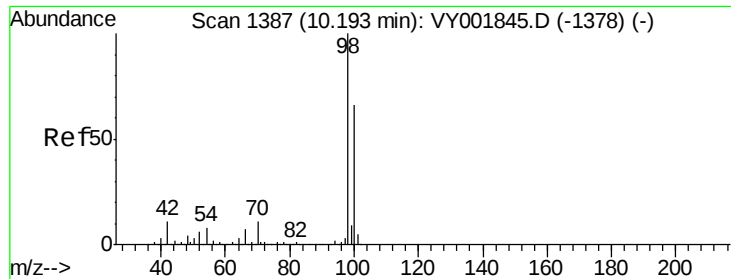
#38
 Carbon Tetrachloride
 Concen: 6.657 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001879.D
 Acq: 05 Mar 2020 14:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.3	114.5#
121	0.0	23.5	35.3#



Abundance Ion 116.80 (116.50 to 117.50): VY001845.D (-1006) (-)
 Ion 118.80 (118.50 to 119.50): VY001845.D (-1006) (-)
 Ion 120.80 (120.50 to 121.50): VY001845.D (-1006) (-)





#50

Toluene-d8

Concen: 52.954 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001879.D

Acq: 05 Mar 2020 14:13

Instrument :

MSVOA_Y

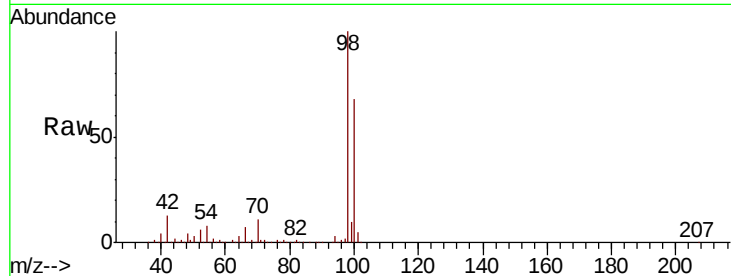
ClientSampleId :

Tot Ion: 98 Resp: 331943

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)

10.19

200000

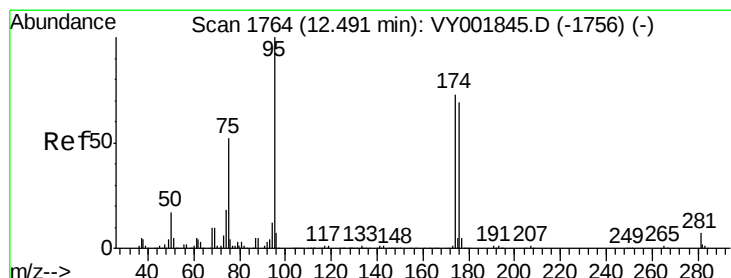
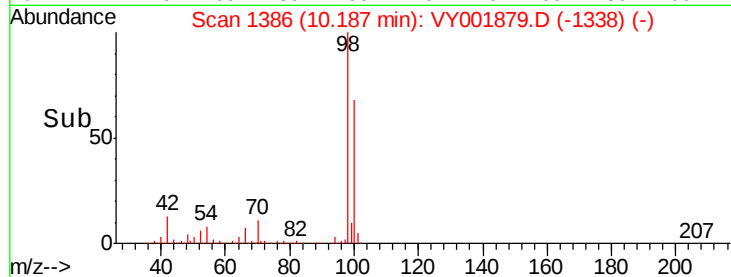
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.618 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001879.D

Acq: 05 Mar 2020 14:13

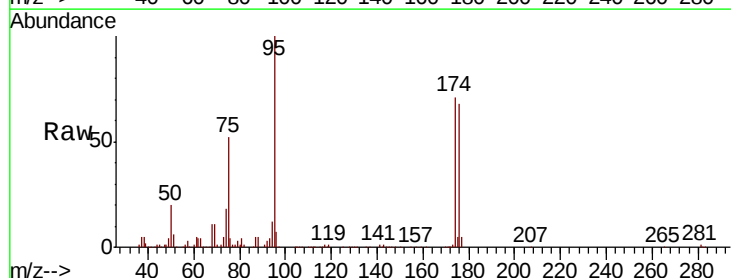
Tgt Ion: 95 Resp: 110330

Ion Ratio Lower Upper

95 100

174 71.8 0.0 145.0

176 69.4 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)

12.49

80000

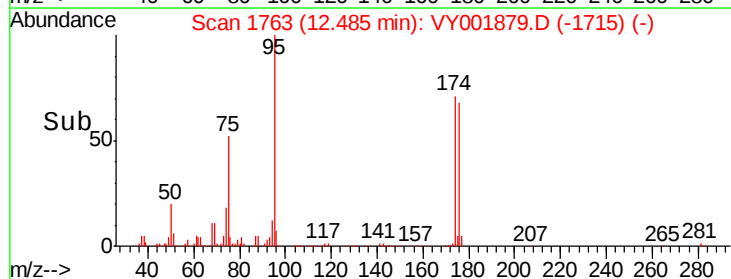
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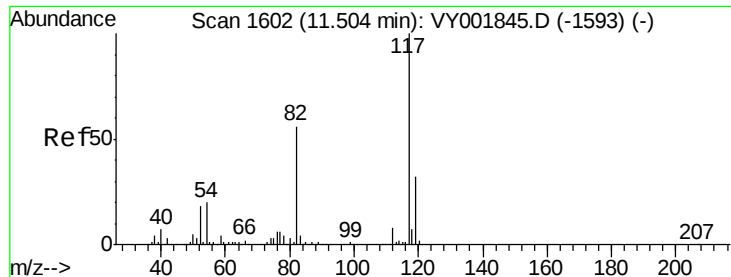
40000

20000

0

Time-->

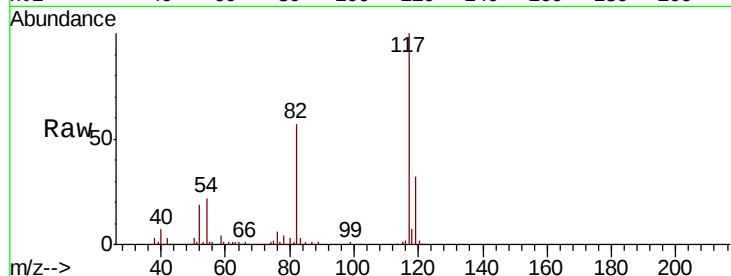




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001879.D
Acq: 05 Mar 2020 14:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.5	66.7
119	32.5	25.7	38.5

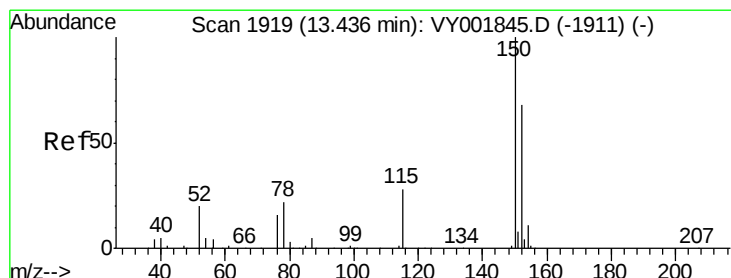
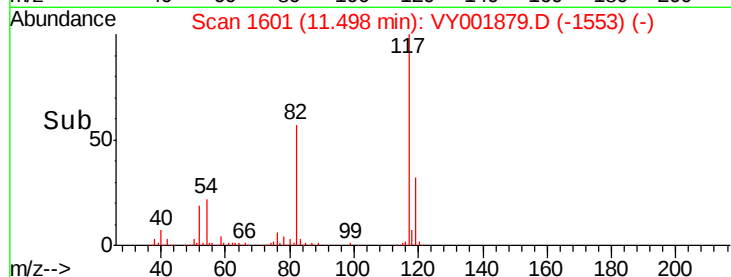
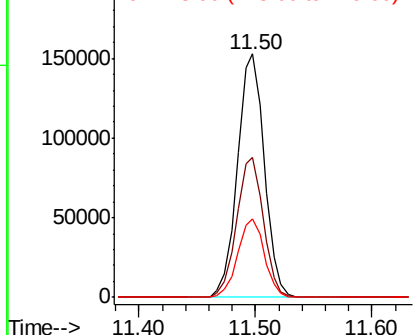


Abundance

Ion 116.90 (116.60 to 117.60): V

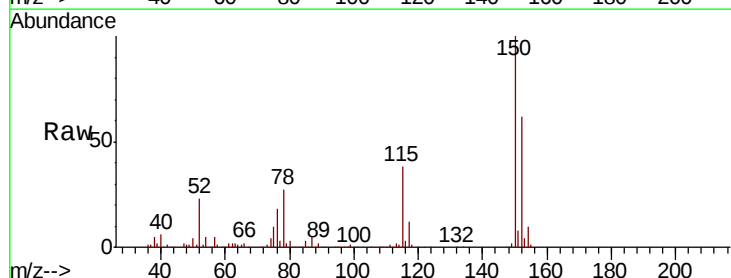
Ion 82.00 (81.70 to 82.70): VY0

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: VY001879.D
Acq: 05 Mar 2020 14:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	29.9	89.7
150	158.1	0.0	340.6

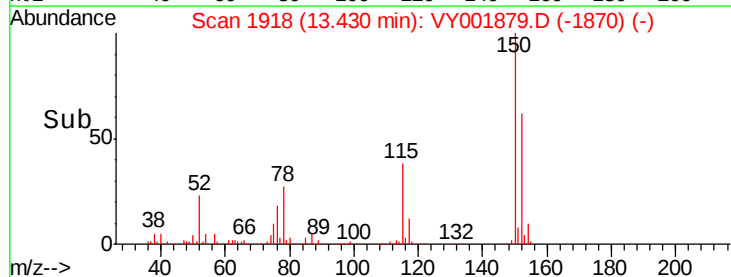
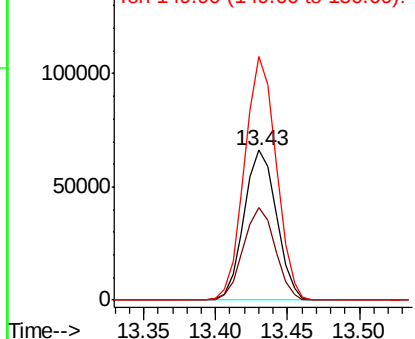


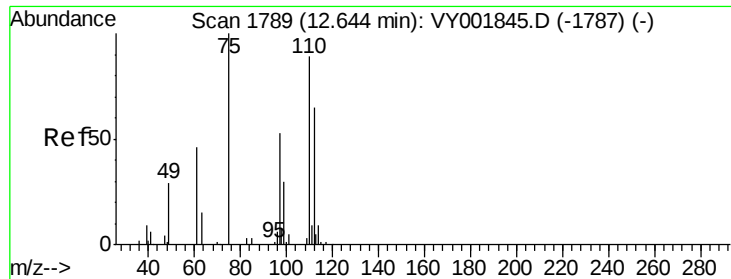
Abundance

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: 46.073 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001879.D

Acq: 05 Mar 2020 14:13

Instrument :

MSVOA_Y

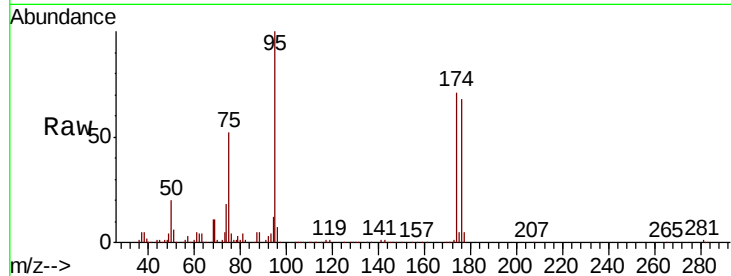
ClientSampleId :

Tot Ion: 75 Resp: 56634

Ion Ratio Lower Upper

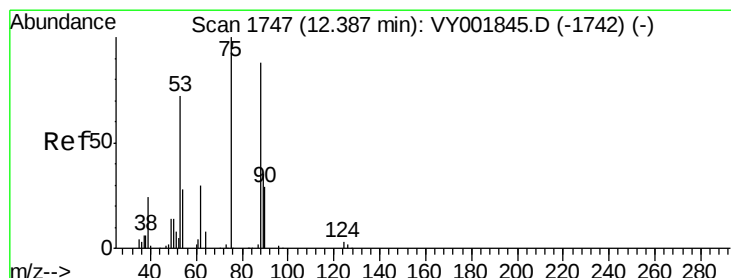
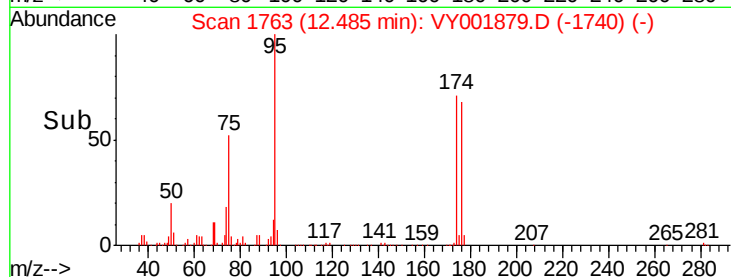
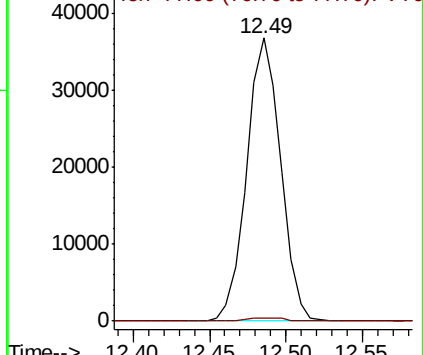
75 100

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: 93.065 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001879.D

Acq: 05 Mar 2020 14:13

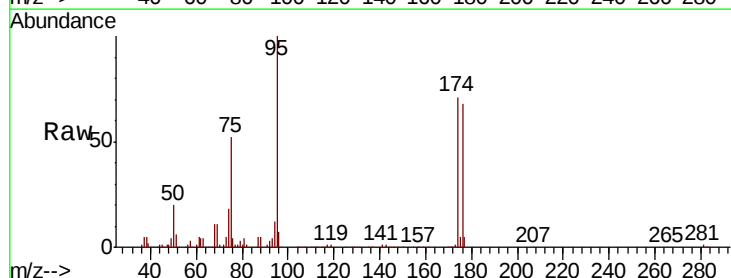
Tgt Ion: 75 Resp: 56634

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#



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

