

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002572.D
 Acq On : 05 May 2020 04:12
 Operator : SY/MD
 Sample : L2476-04
 Misc : 5.54G/5ML/MSVOA Y/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 05 07:20:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	342252	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	549098	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	487768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	225379	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	162140	56.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.68%	
35) Dibromofluoromethane	7.75	113	166034	52.87	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.74%	
50) Toluene-d8	10.20	98	642135	52.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.50	95	203132	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.64%	

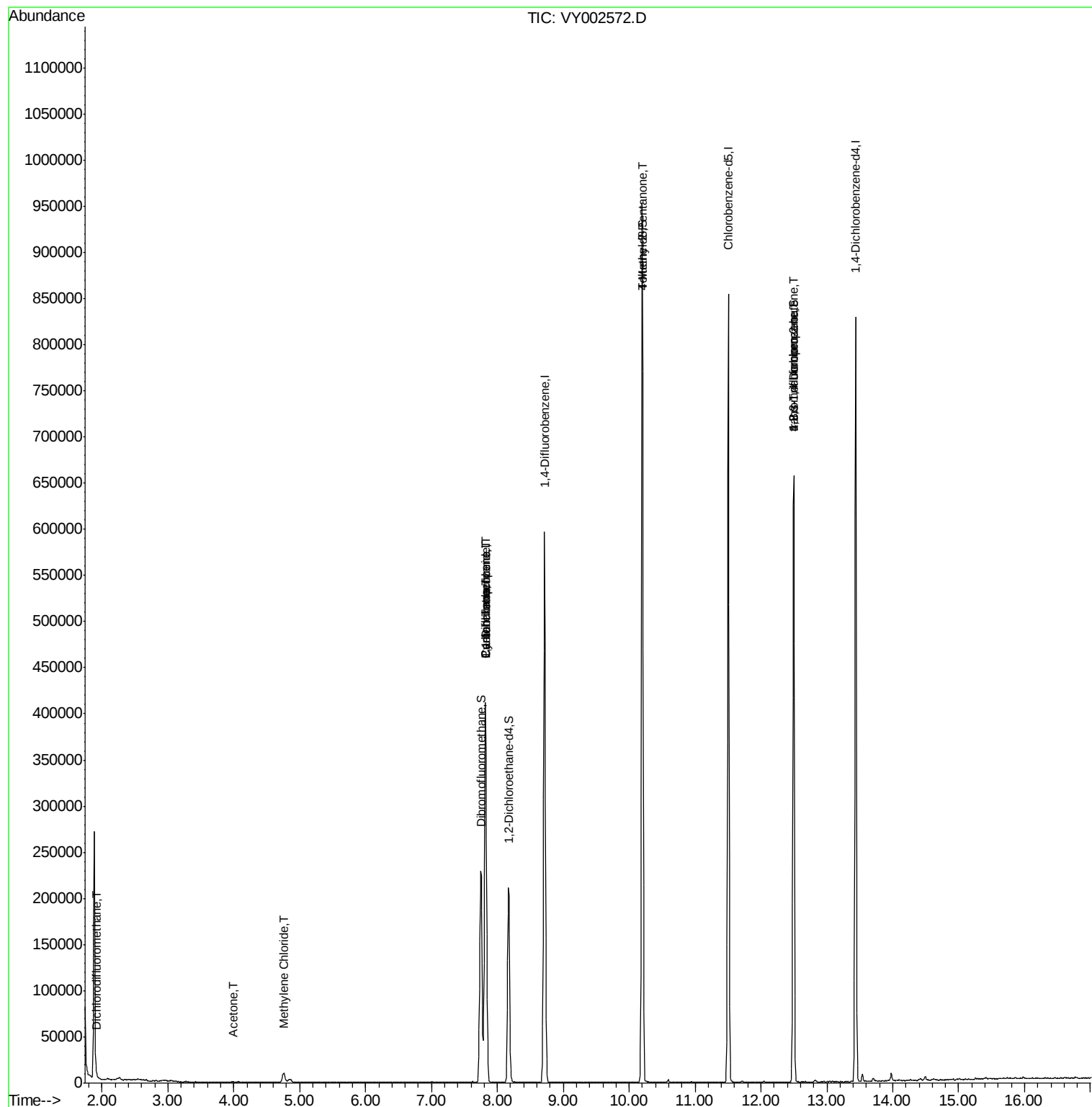
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.93	85	117	1.824	ug/l #	43
16) Acetone	3.99	43	900	1.515	ug/l #	80
20) Methylene Chloride	4.76	84	8140	2.451	ug/l	94
31) Cyclohexane	7.82	56	5390	1.042	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	22148	4.811	ug/l #	49
38) Carbon Tetrachloride	7.82	117	30658	6.100	ug/l #	15
51) 4-Methyl-2-Pentanone	10.19	43	2366	1.035	ug/l #	1
76) 1,2,3-Trichloropropane	12.50	75	97816	48.838	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	97816	97.930	ug/l #	15

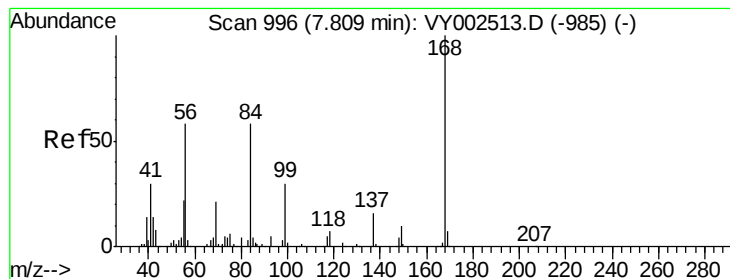
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 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: VY002572.D

Acq: 05 May 2020 04:12

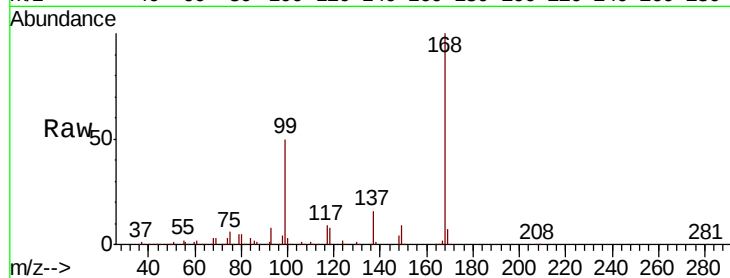
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 342252

Ion Ratio Lower Upper

168 100

99 49.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.82

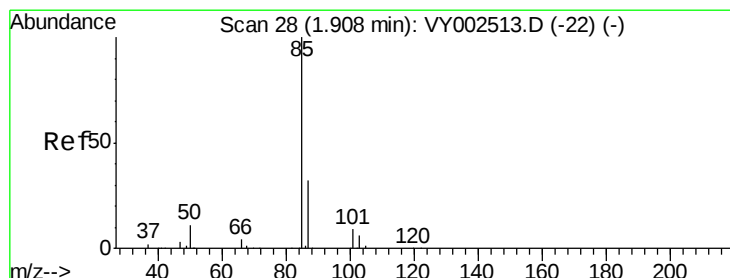
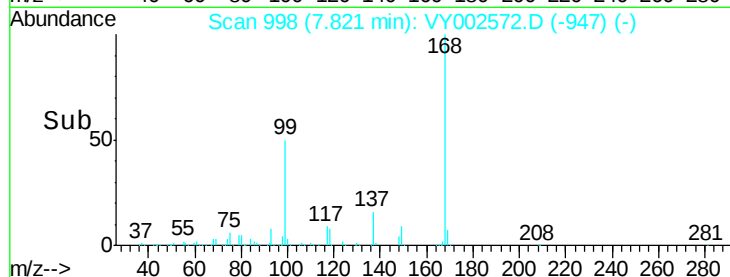
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.824 ug/l

RT: 1.93 min Scan# 31

Delta R.T. 0.02 min

Lab File: VY002572.D

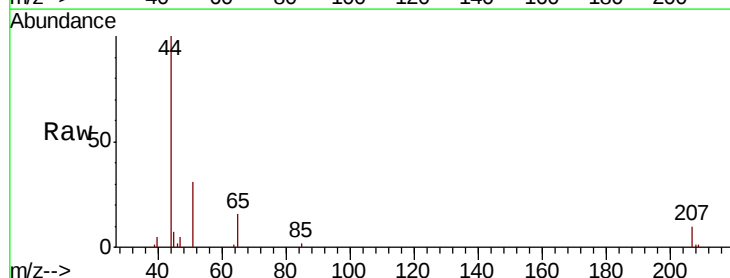
Acq: 05 May 2020 04:12

Tgt Ion: 85 Resp: 117

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.93

120

100

80

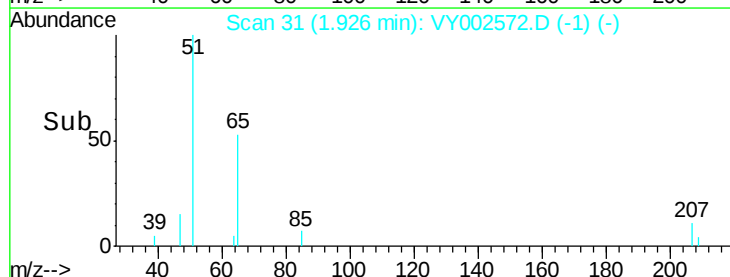
60

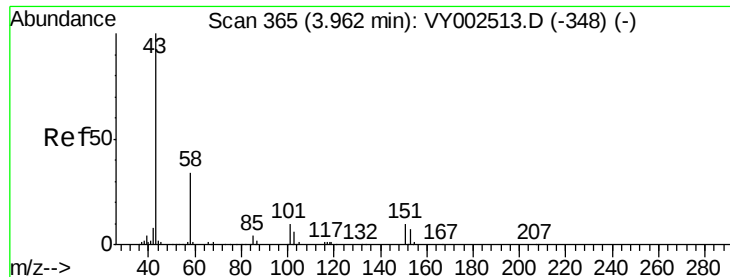
40

20

0

Time-->





#16

Acetone

Concen: 1.515 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.03 min

Lab File: VY002572.D

Acq: 05 May 2020 04:12

Instrument :

MSVOA_Y

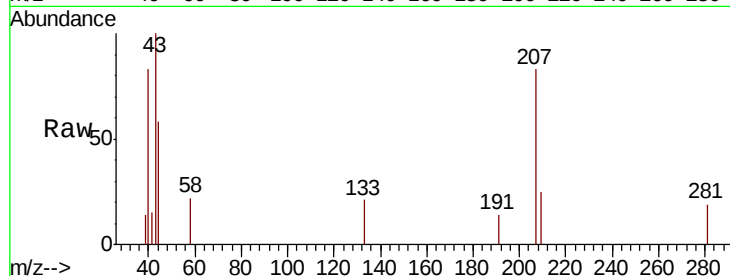
ClientSampleId :

Tot Ion: 43 Resp: 900

Ion Ratio Lower Upper

43 100

58 22.1 26.9 40.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.99

400

300

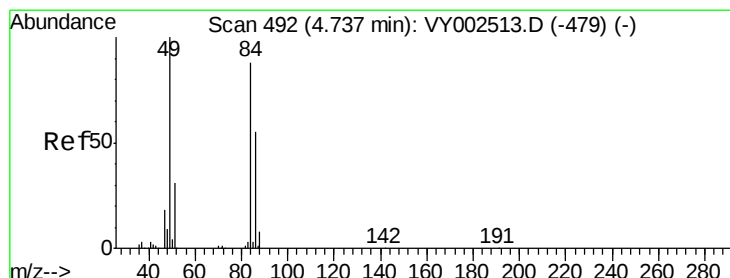
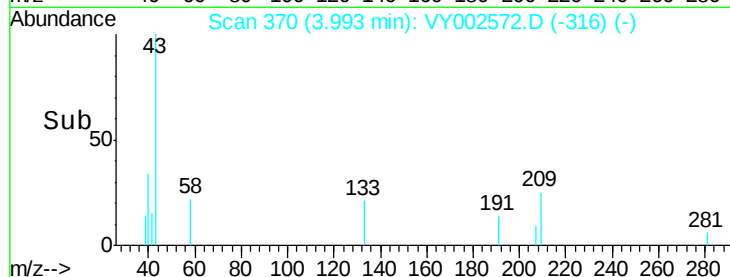
200

100

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 2.451 ug/l

RT: 4.76 min Scan# 496

Delta R.T. 0.02 min

Lab File: VY002572.D

Acq: 05 May 2020 04:12

Tgt Ion: 84 Resp: 8140

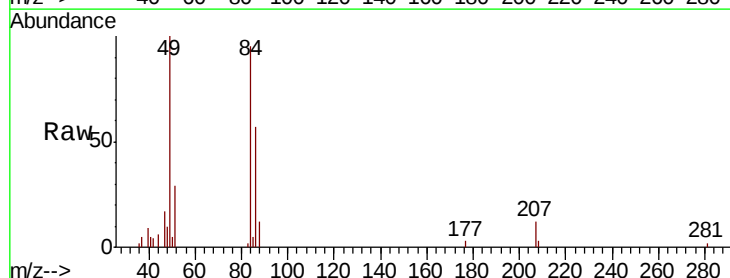
Ion Ratio Lower Upper

84 100

49 105.7 90.5 135.7

51 30.4 28.3 42.5

86 60.4 49.9 74.9



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

4000

3000

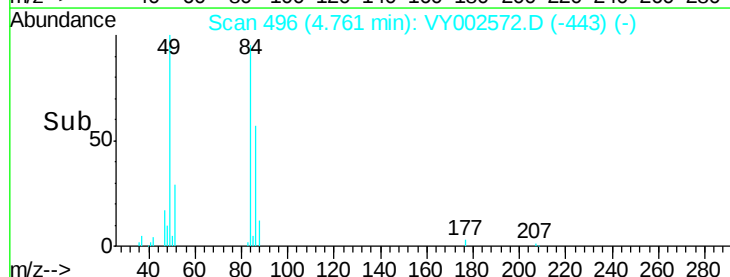
2000

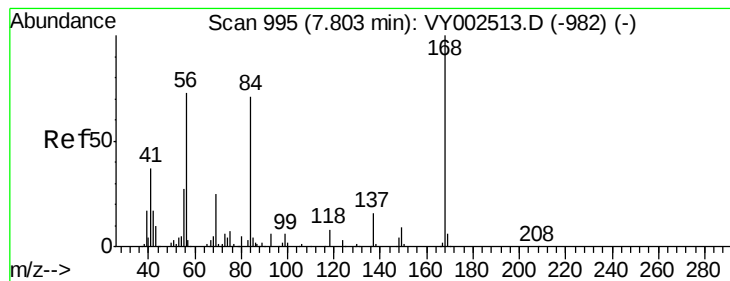
1000

0

4.70 4.76 4.80

Time-->





#31

Cyclohexane

Concen: 1.042 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002572.D

Acq: 05 May 2020 04:12

Instrument :
MSVOA_Y
ClientSampled :

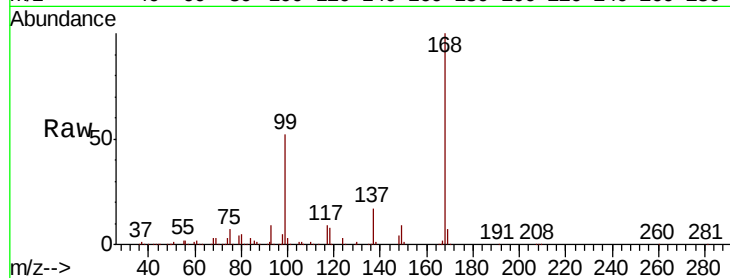
Tot Ion: 56 Resp: 5390

Ion Ratio Lower Upper

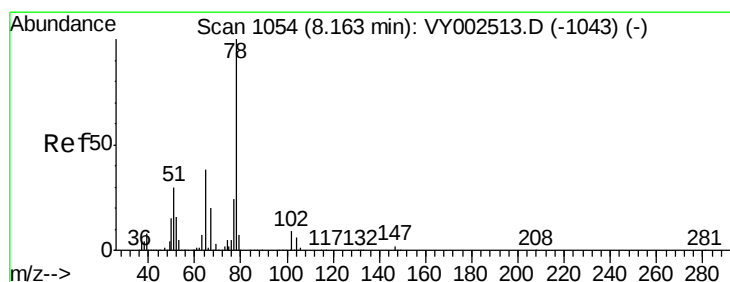
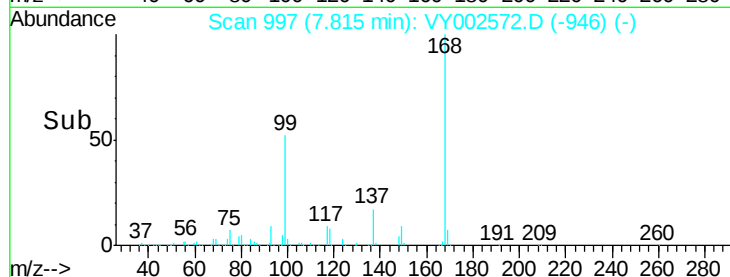
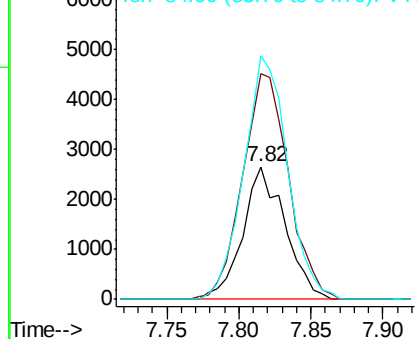
56 100

69 170.6 27.6 41.4#

84 184.0 77.7 116.5#



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: 56.343 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY002572.D

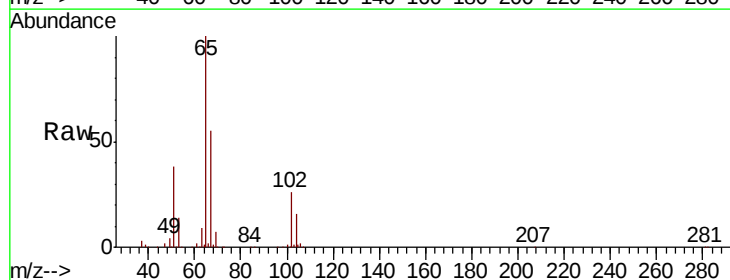
Acq: 05 May 2020 04:12

Tgt Ion: 65 Resp: 162140

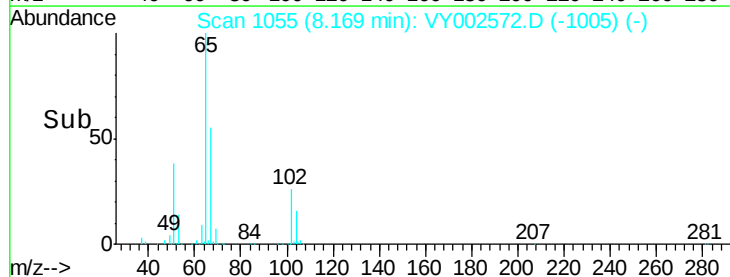
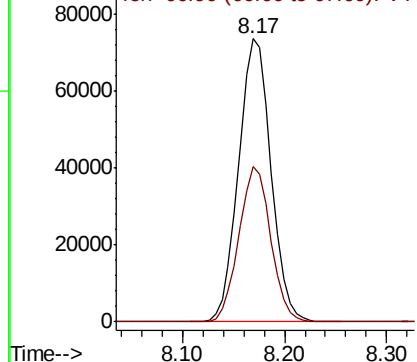
Ion Ratio Lower Upper

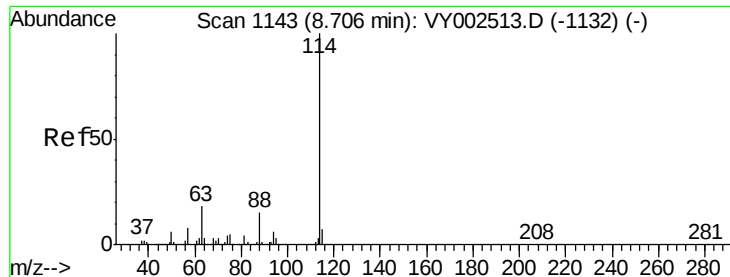
65 100

67 54.0 0.0 107.2



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

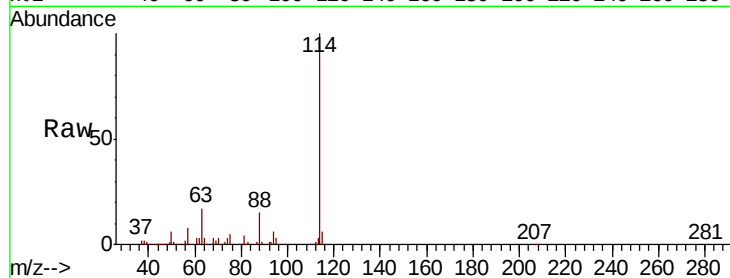




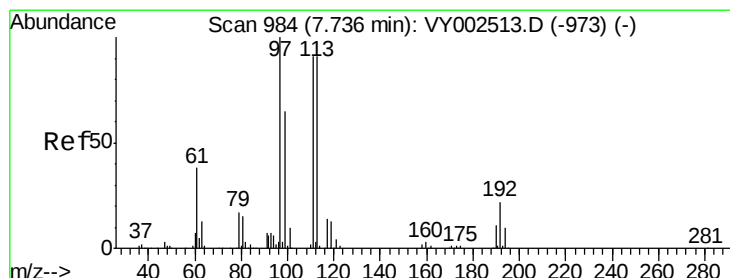
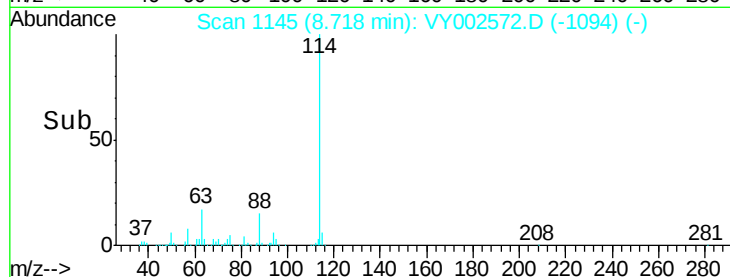
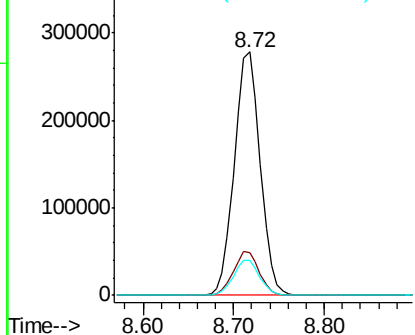
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY002572.D
 Acq: 05 May 2020 04:12

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	36.4
88	14.6	0.0	29.6

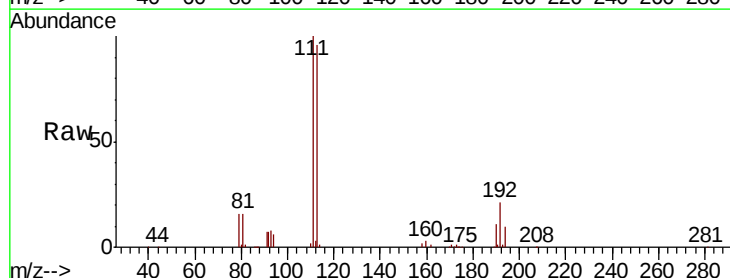


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

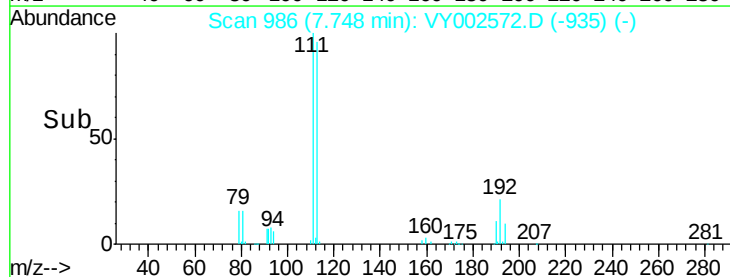
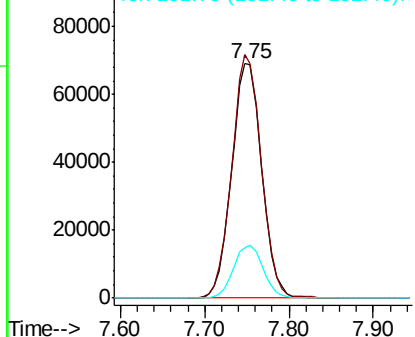


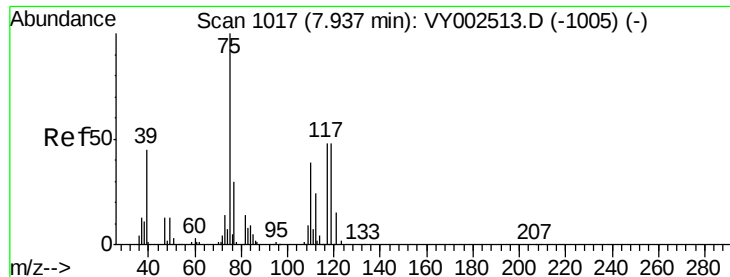
#35
 Dibromofluoromethane
 Concen: 52.872 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY002572.D
 Acq: 05 May 2020 04:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.6
192	22.2	18.2	27.4



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: 4.811 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.12 min

Lab File: VY002572.D

Acq: 05 May 2020 04:12

Instrument :

MSVOA_Y

ClientSampleId :

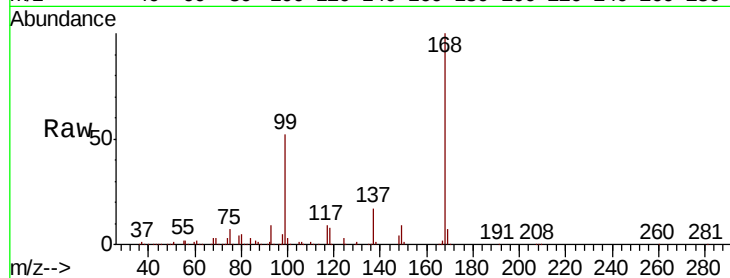
Tot Ion: 75 Resp: 22148

Ion Ratio Lower Upper

75 100

110 9.9 19.1 57.3#

77 0.0 24.6 37.0#

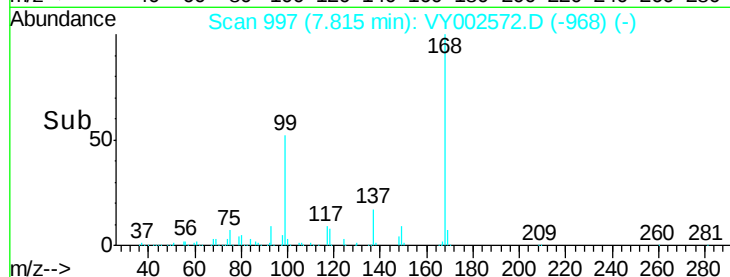


Abundance Ion 74.90 (74.60 to 75.60): VY002513.D (-1005) (-)

Ion 109.90 (109.60 to 110.60): VY002513.D (-1005) (-)

Ion 76.90 (76.60 to 77.60): VY002513.D (-1005) (-)

Time--> 7.70 7.75 7.80 7.85 7.90

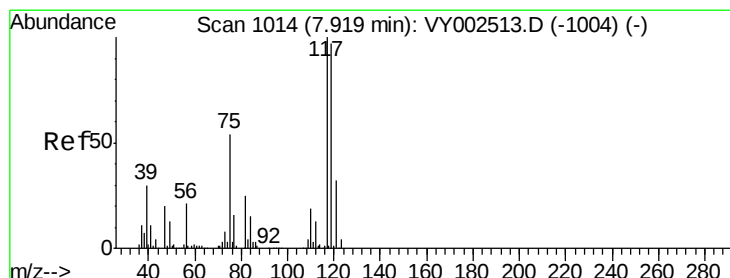


Abundance Ion 74.90 (74.60 to 75.60): VY002513.D (-1005) (-)

Ion 109.90 (109.60 to 110.60): VY002513.D (-1005) (-)

Ion 76.90 (76.60 to 77.60): VY002513.D (-1005) (-)

Time--> 7.70 7.75 7.80 7.85 7.90



#38

Carbon Tetrachloride

Concen: 6.100 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY002572.D

Acq: 05 May 2020 04:12

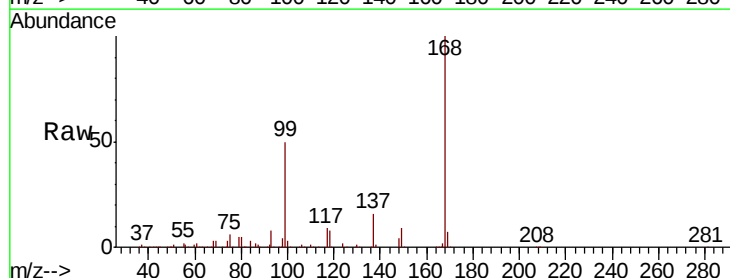
Tgt Ion: 117 Resp: 30658

Ion Ratio Lower Upper

117 100

119 4.3 77.1 115.7#

121 0.0 25.2 37.8#

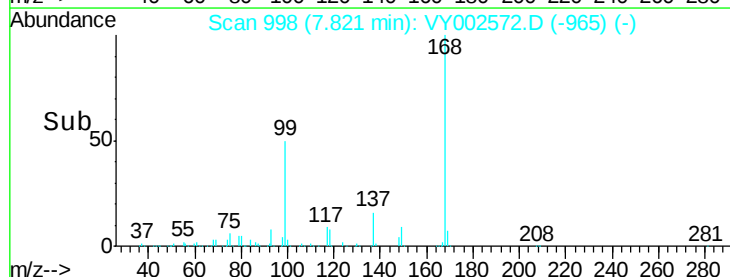


Abundance Ion 116.80 (116.50 to 117.50): VY002513.D (-1004) (-)

Ion 118.80 (118.50 to 119.50): VY002513.D (-1004) (-)

Ion 120.80 (120.50 to 121.50): VY002513.D (-1004) (-)

Time--> 7.70 7.75 7.80 7.85 7.90

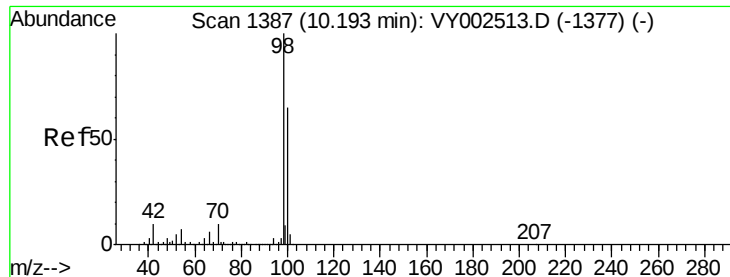


Abundance Ion 116.80 (116.50 to 117.50): VY002513.D (-1004) (-)

Ion 118.80 (118.50 to 119.50): VY002513.D (-1004) (-)

Ion 120.80 (120.50 to 121.50): VY002513.D (-1004) (-)

Time--> 7.70 7.75 7.80 7.85 7.90



#50

Toluene-d8

Concen: 52.362 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY002572.D

Acq: 05 May 2020 04:12

Instrument :

MSVOA_Y

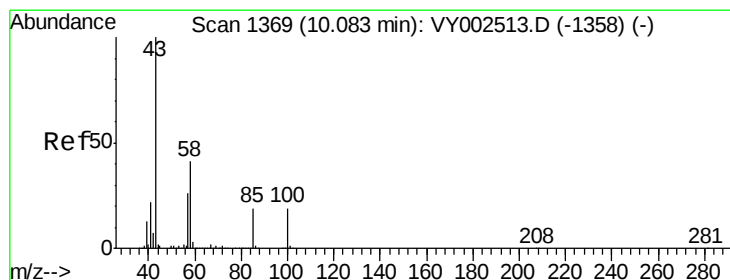
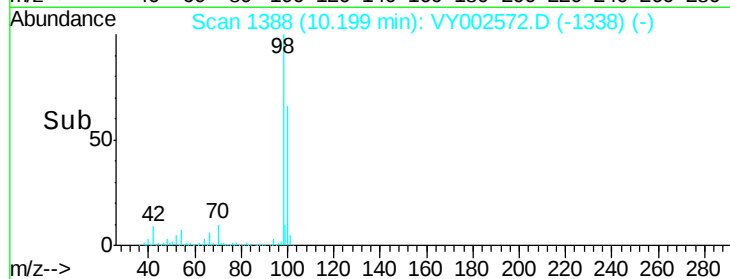
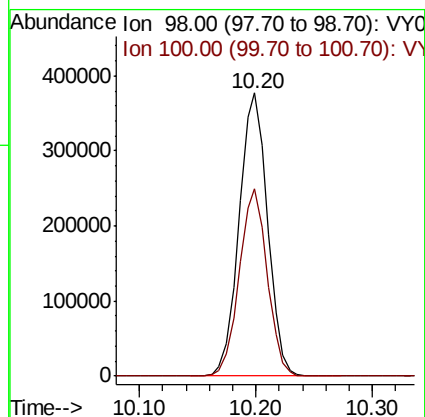
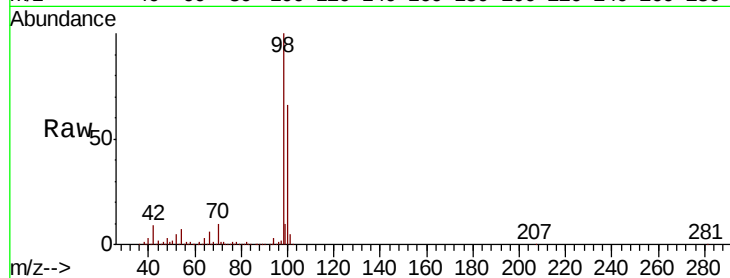
ClientSampleId :

Tot Ion: 98 Resp: 642135

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.035 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY002572.D

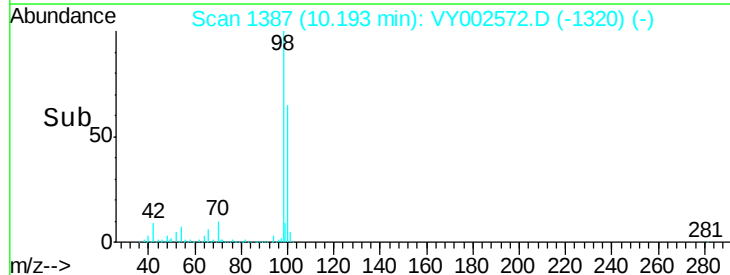
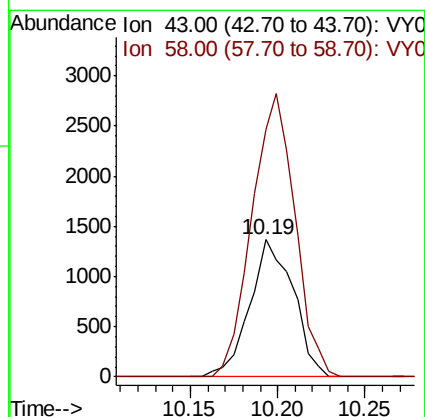
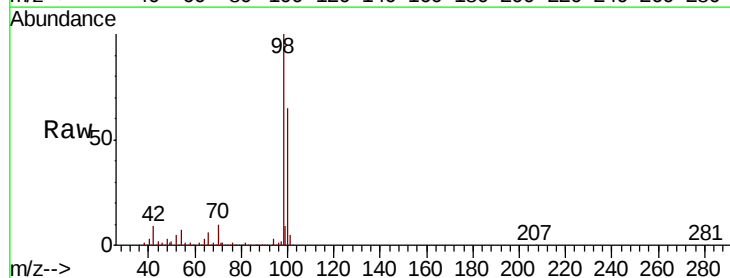
Acq: 05 May 2020 04:12

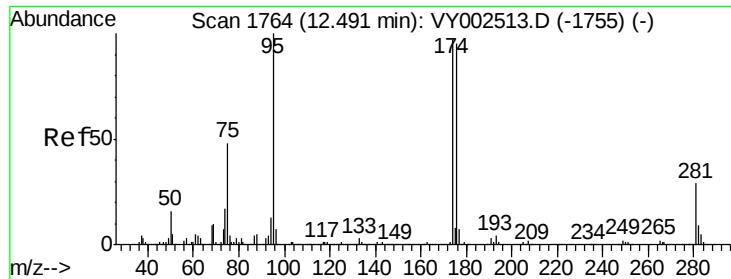
Tgt Ion: 43 Resp: 2366

Ion Ratio Lower Upper

43 100

58 204.1 33.2 49.8#

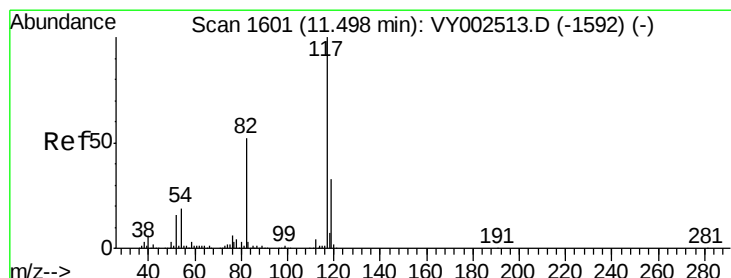
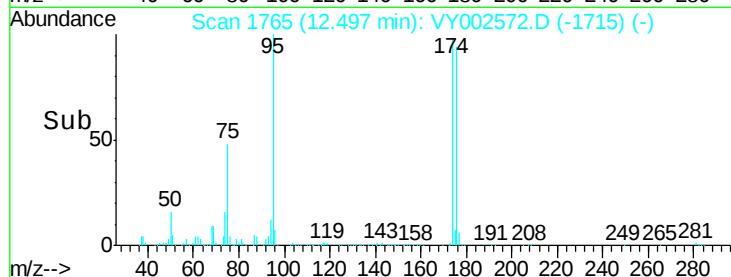
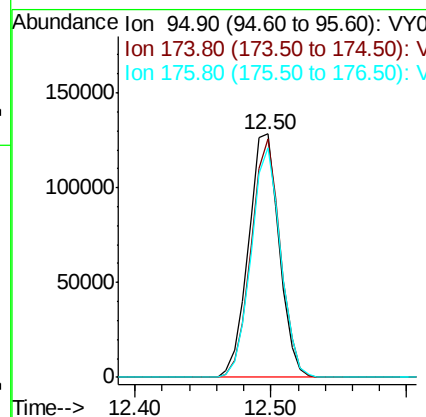
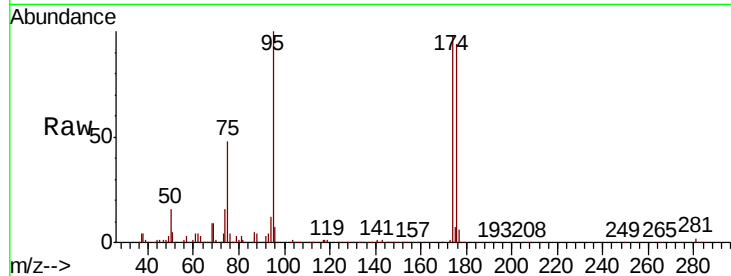




#62
4-Bromofluorobenzene
Concen: 48.815 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY002572.D
Acq: 05 May 2020 04:12

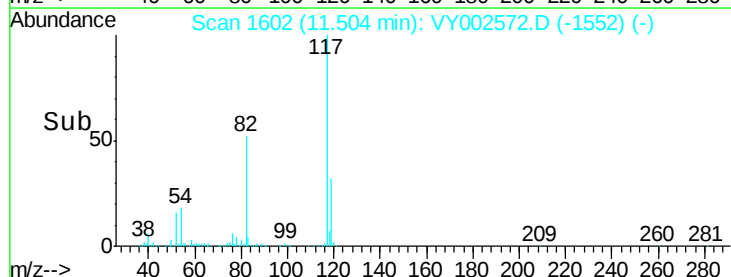
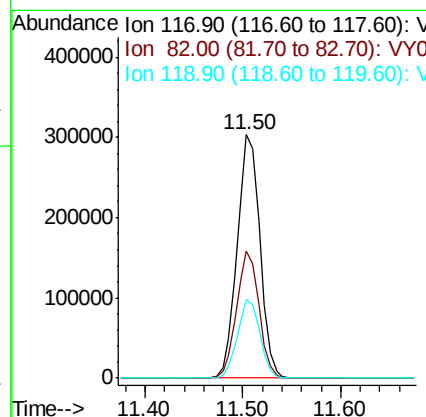
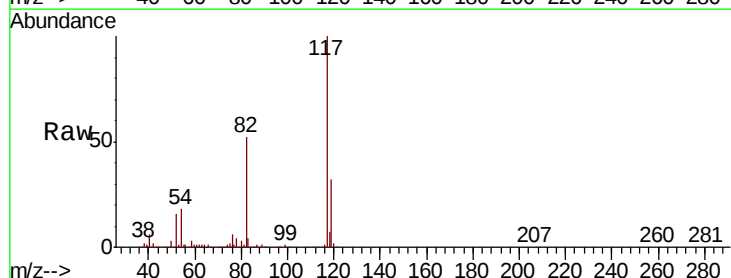
Instrument :
MSVOA_Y
ClientSampleId :

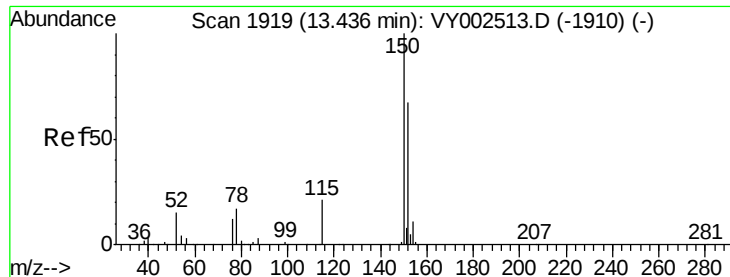
Tot Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	188.8
176	90.5	0.0	183.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002572.D
Acq: 05 May 2020 04:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.3	61.9
119	32.0	26.0	39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002572.D

Acq: 05 May 2020 04:12

Instrument :

MSVOA_Y

ClientSampleId :

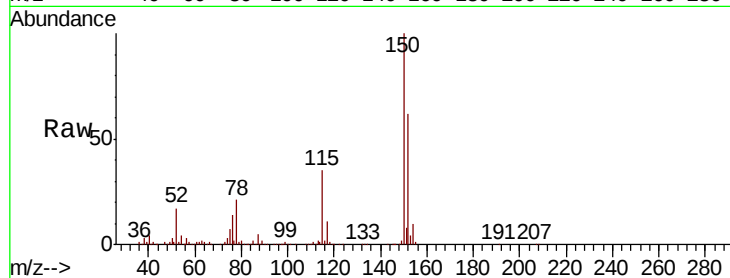
Tot Ion:152 Resp: 225379

Ion Ratio Lower Upper

152 100

115 54.5 27.5 82.4

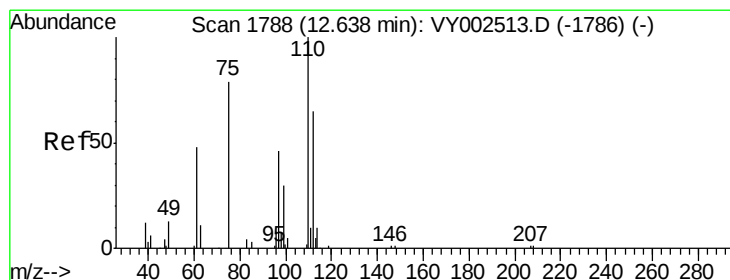
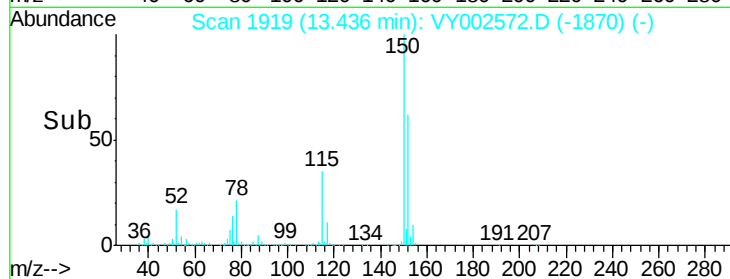
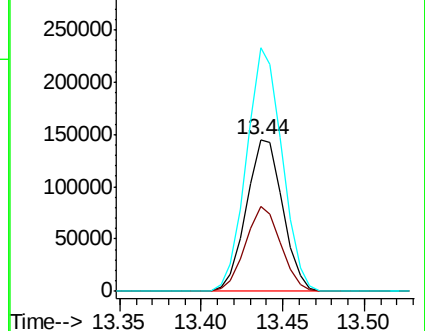
150 157.7 0.0 346.4



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: 48.838 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.14 min

Lab File: VY002572.D

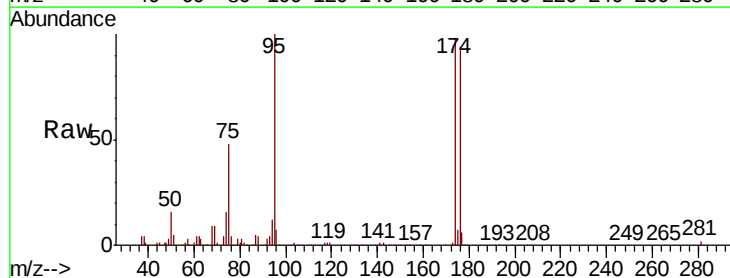
Acq: 05 May 2020 04:12

Tgt Ion: 75 Resp: 97816

Ion Ratio Lower Upper

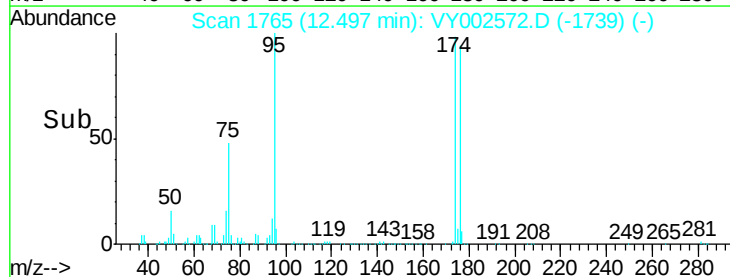
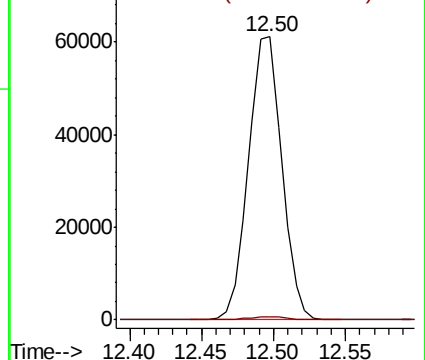
75 100

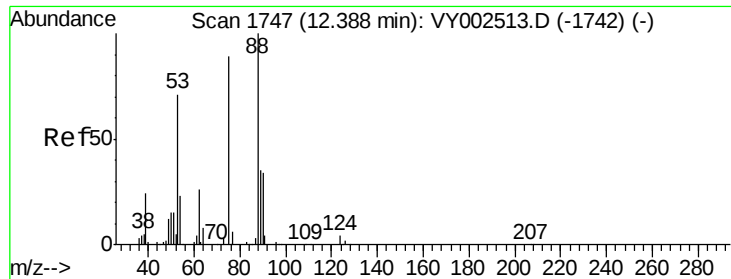
77 1.3 0.0 0.0#



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: 97.930 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY002572.D

Acq: 05 May 2020 04:12

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 97816

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.1 37.4 56.0#

