

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002571.D
 Acq On : 05 May 2020 03:50
 Operator : SY/MD
 Sample : L2476-02
 Misc : 4.33G/5ML/MSVOA Y/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 05 07:20:16 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

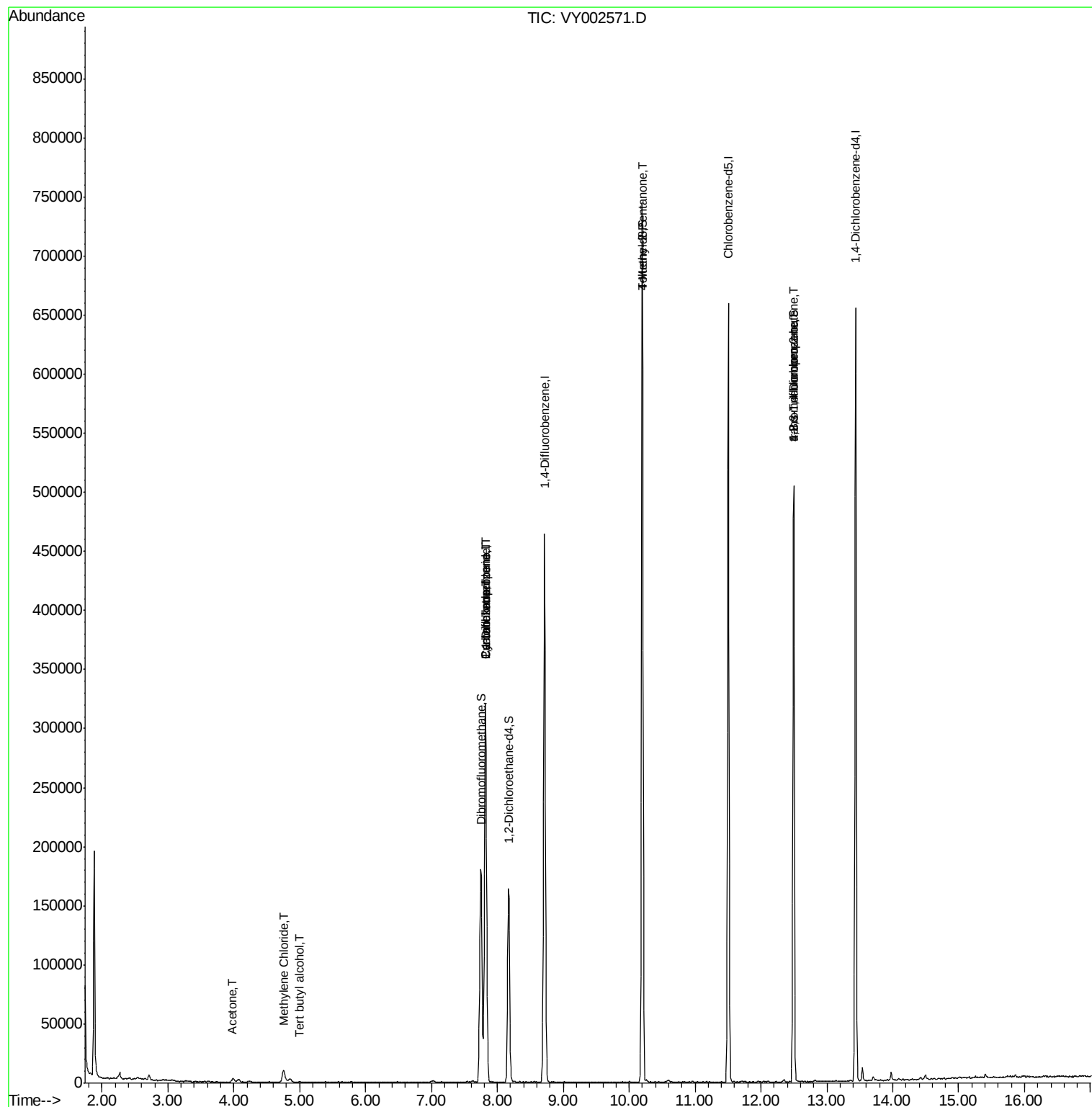
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	270102	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	428952	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	376138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	177141	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	125650	55.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.66%	
35) Dibromofluoromethane	7.75	113	128762	52.49	ug/l	0.01
Spiked Amount 50.000			Recovery	=	104.98%	
50) Toluene-d8	10.20	98	500867	52.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.50	95	157248	48.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.74%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.99	59	283	1.211	ug/l #	74
16) Acetone	3.98	43	5119	10.922	ug/l	89
20) Methylene Chloride	4.76	84	7858	2.998	ug/l	97
31) Cyclohexane	7.82	56	4148	1.016	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	17004	4.729	ug/l #	49
38) Carbon Tetrachloride	7.82	117	24462	6.231	ug/l #	17
51) 4-Methyl-2-Pentanone	10.20	43	1806	1.011	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	75889	48.208	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	75889	96.667	ug/l #	15

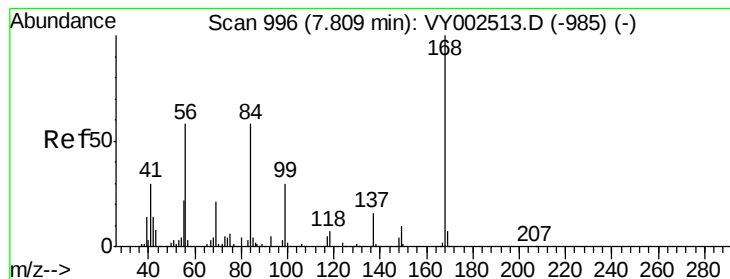
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002571.D

Acq: 05 May 2020 03:50

Instrument :

MSVOA_Y

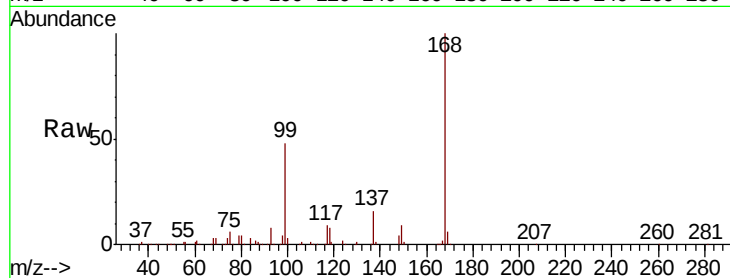
ClientSampleId :

Tot Ion:168 Resp: 270102

Ion Ratio Lower Upper

168 100

99 47.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002571.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002571.D (-947) (-)

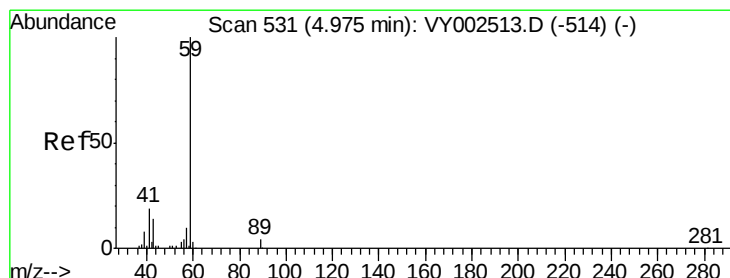
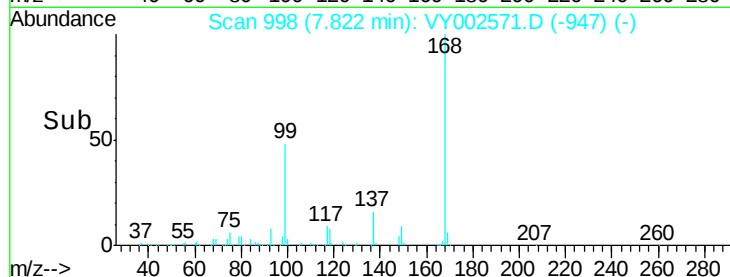
7.82

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.211 ug/l

RT: 4.99 min Scan# 534

Delta R.T. 0.02 min

Lab File: VY002571.D

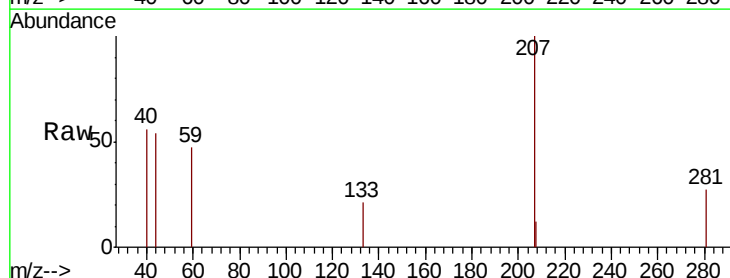
Acq: 05 May 2020 03:50

Tgt Ion: 59 Resp: 283

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY002571.D (-482) (-)

Ion 57.00 (56.70 to 57.70): VY002571.D (-482) (-)

4.99

200

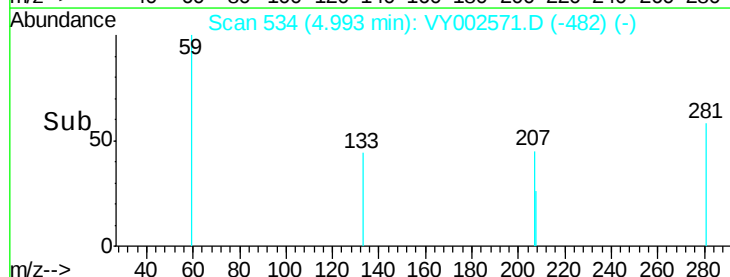
150

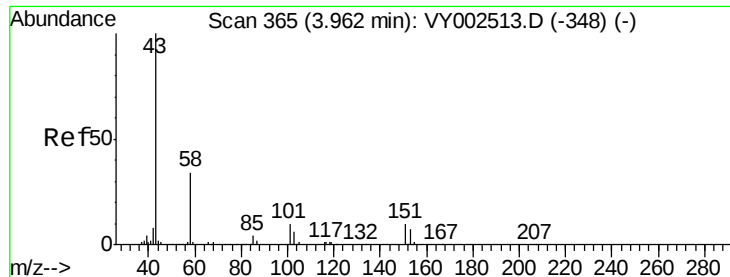
100

50

0

Time-->





#16

Acetone

Concen: 10.922 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.02 min

Lab File: VY002571.D

Acq: 05 May 2020 03:50

Instrument :

MSVOA_Y

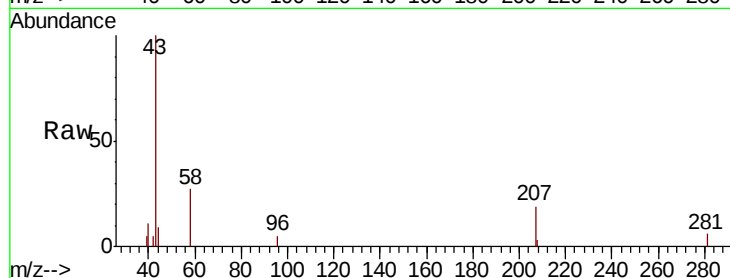
ClientSampleId :

Tot Ion: 43 Resp: 5119

Ion Ratio Lower Upper

43 100

58 27.3 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002571.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002571.D (-316) (-)

3.98

2000

1500

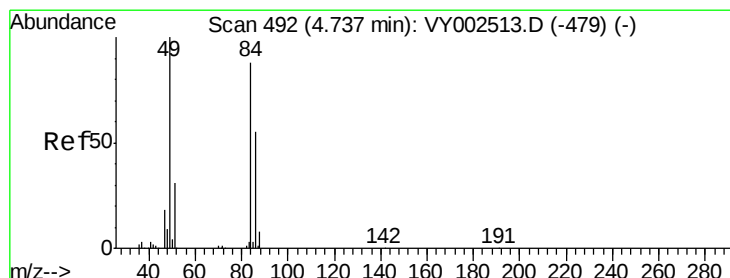
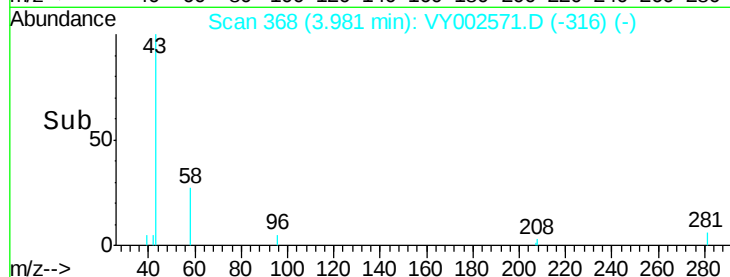
1000

500

0

3.90 3.95 4.00 4.05 4.10

Time-->



#20

Methylene Chloride

Concen: 2.998 ug/l

RT: 4.76 min Scan# 495

Delta R.T. 0.02 min

Lab File: VY002571.D

Acq: 05 May 2020 03:50

Tgt Ion: 84 Resp: 7858

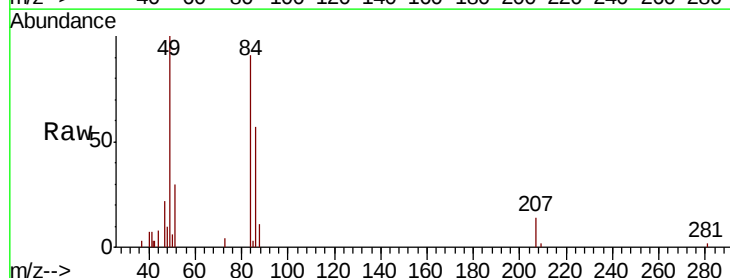
Ion Ratio Lower Upper

84 100

49 109.6 90.5 135.7

51 32.5 28.3 42.5

86 62.3 49.9 74.9



Abundance Ion 83.90 (83.60 to 84.60): VY002571.D (-443) (-)

Ion 48.90 (48.60 to 49.60): VY002571.D (-443) (-)

Ion 50.90 (50.60 to 51.60): VY002571.D (-443) (-)

Ion 85.90 (85.60 to 86.60): VY002571.D (-443) (-)

4.76

4000

3000

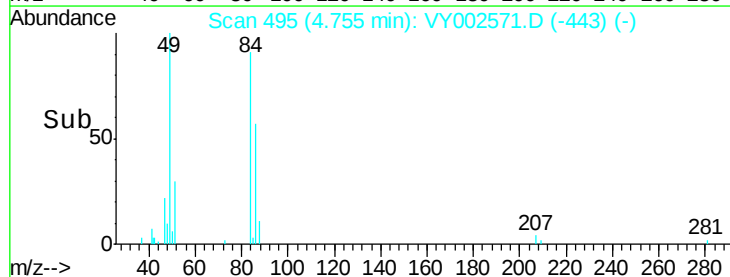
2000

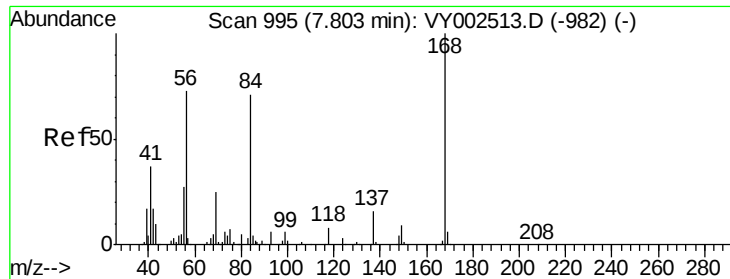
1000

0

4.70 4.75 4.80

Time-->

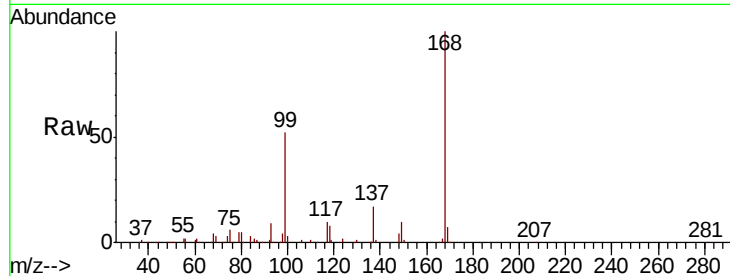




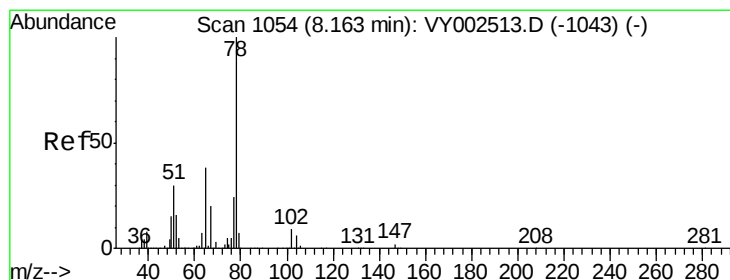
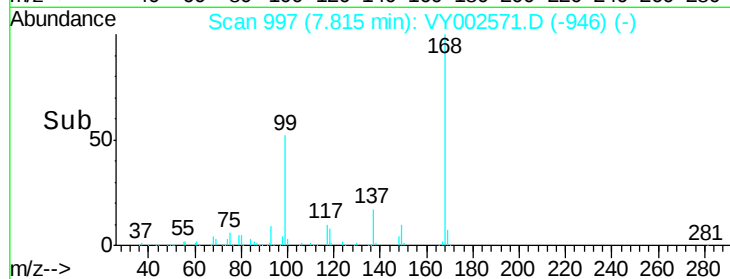
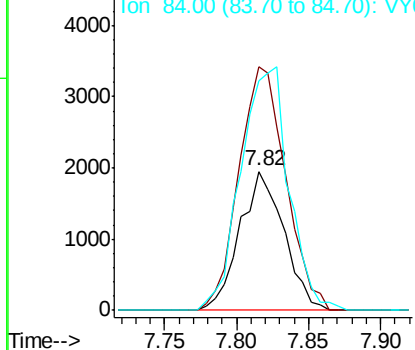
#31
Cyclohexane
Concen: 1.016 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY002571.D
Acq: 05 May 2020 03:50

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 4148
Ion Ratio Lower Upper
56 100
69 174.6 27.6 41.4#
84 164.5 77.7 116.5#

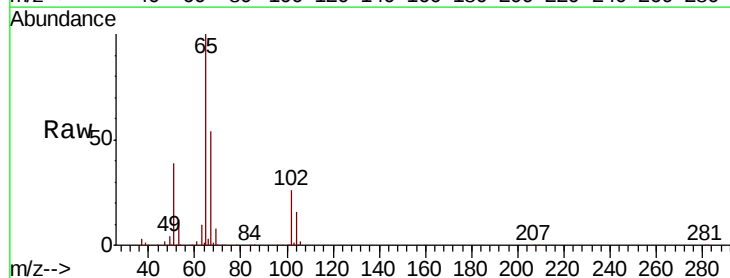


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

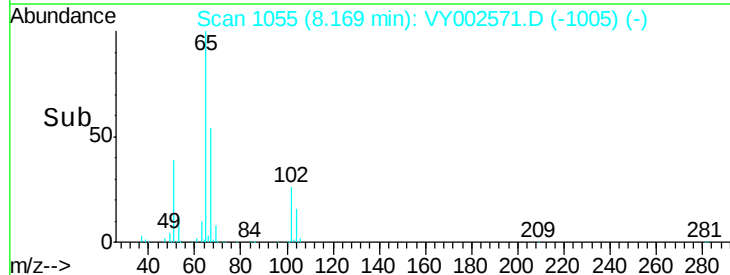
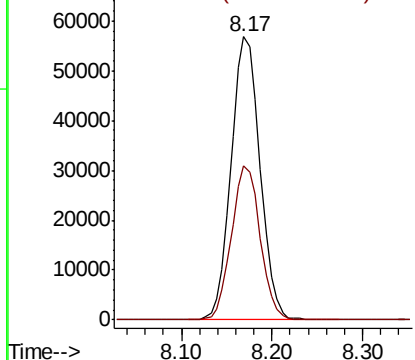


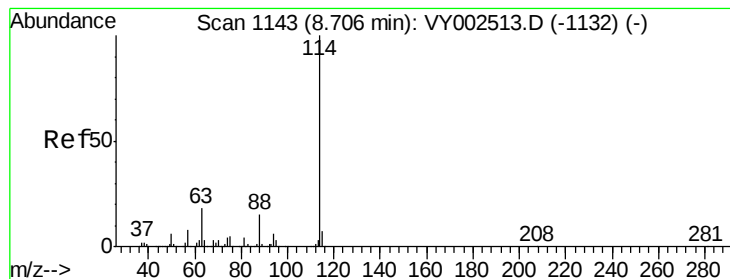
#33
1,2-Dichloroethane-d4
Concen: 55.326 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY002571.D
Acq: 05 May 2020 03:50

Tgt Ion: 65 Resp: 125650
Ion Ratio Lower Upper
65 100
67 54.4 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: VY002571.D

Acq: 05 May 2020 03:50

Instrument :

MSVOA_Y

ClientSampleId :

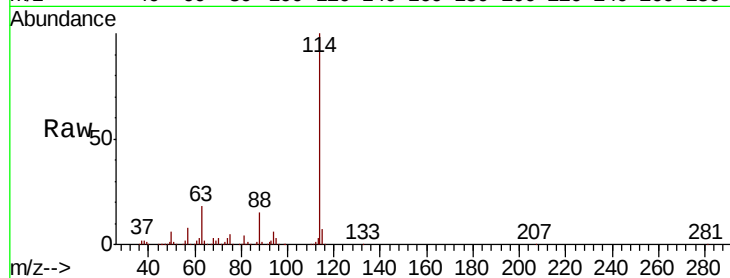
Tot Ion:114 Resp: 428952

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.4

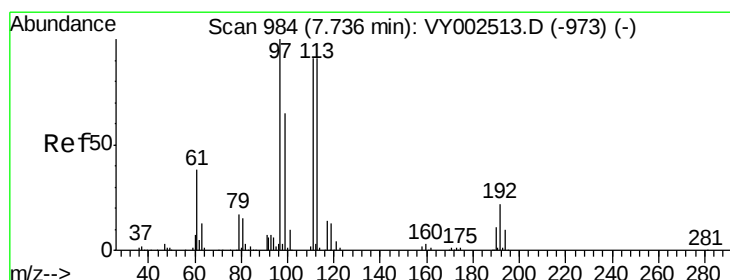
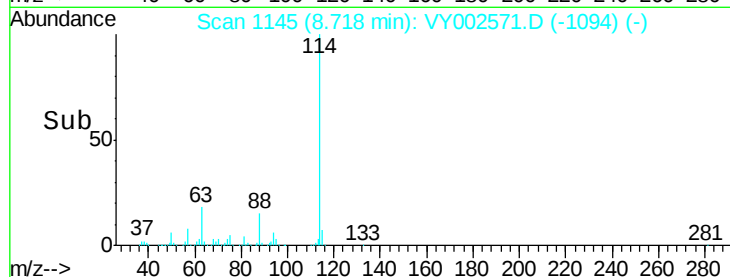
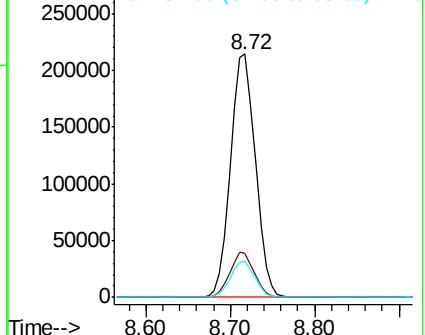
88 15.2 0.0 29.6



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: 52.488 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY002571.D

Acq: 05 May 2020 03:50

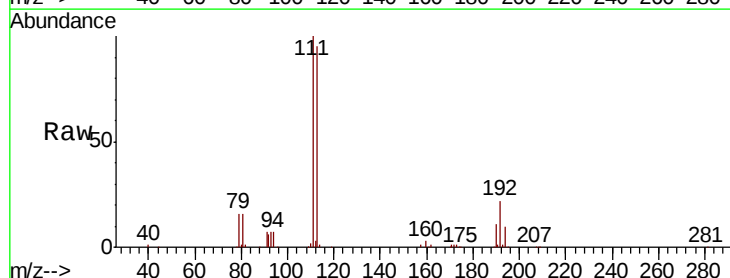
Tgt Ion:113 Resp: 128762

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.6

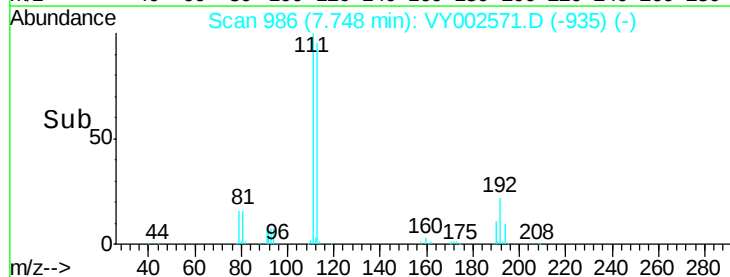
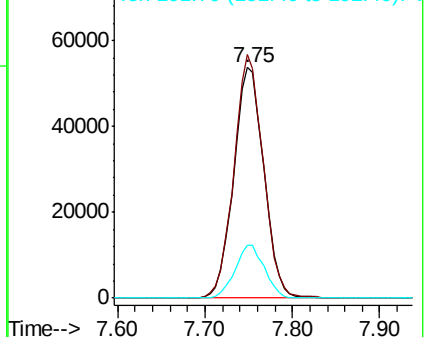
192 22.5 18.2 27.4

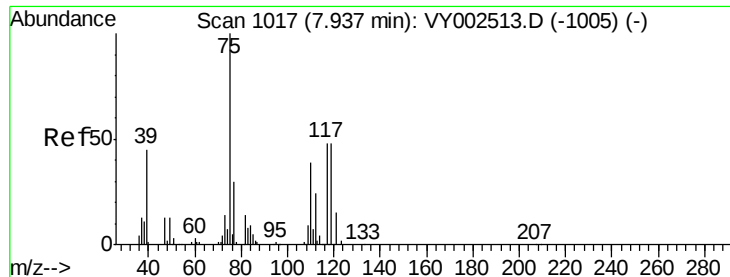


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.729 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY002571.D

Acq: 05 May 2020 03:50

Instrument :

MSVOA_Y

ClientSampled :

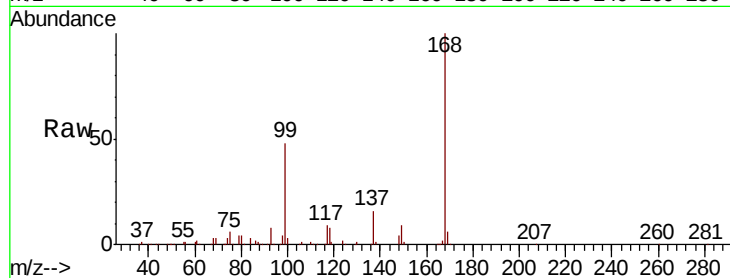
Tot Ion: 75 Resp: 17004

Ion Ratio Lower Upper

75 100

110 9.7 19.1 57.3#

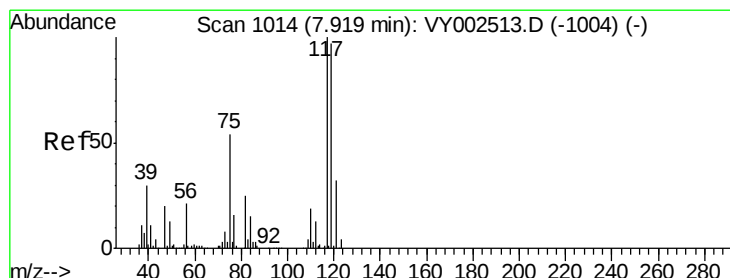
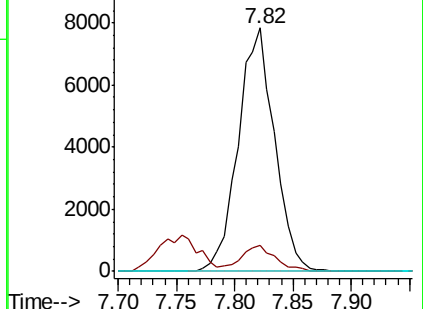
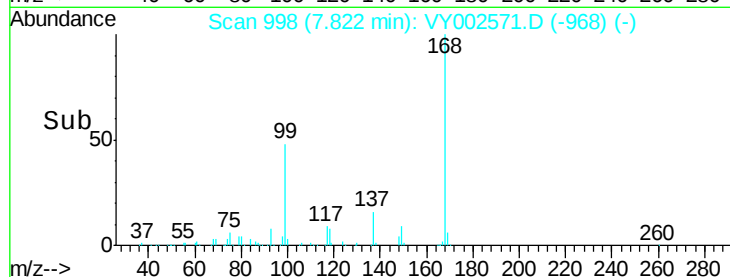
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VY002571.D (-968) (-)

Ion 109.90 (109.60 to 110.60): VY002571.D (-968) (-)

Ion 76.90 (76.60 to 77.60): VY002571.D (-968) (-)



#38

Carbon Tetrachloride

Concen: 6.231 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY002571.D

Acq: 05 May 2020 03:50

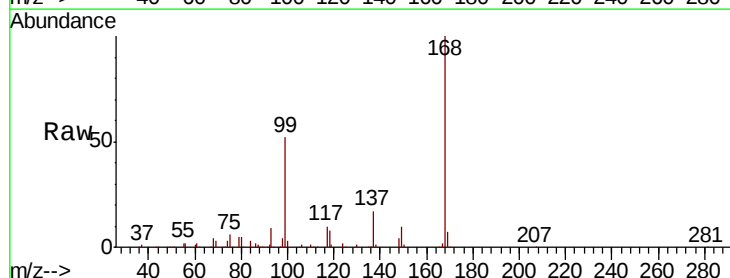
Tgt Ion: 117 Resp: 24462

Ion Ratio Lower Upper

117 100

119 6.3 77.1 115.7#

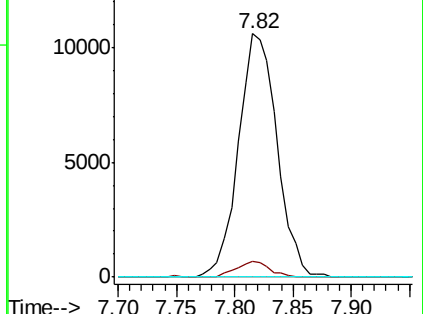
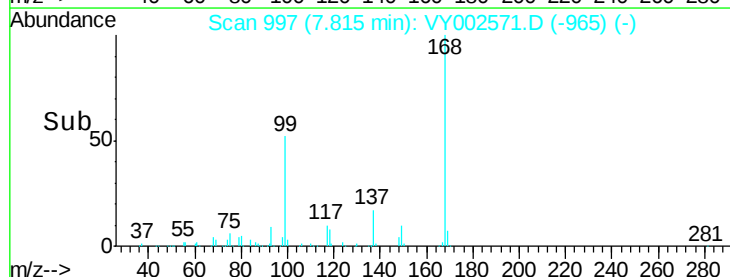
121 0.0 25.2 37.8#

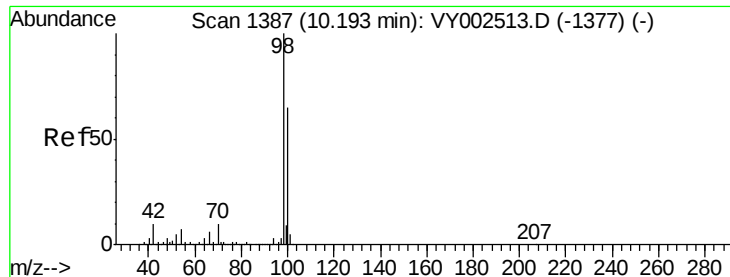


Abundance Ion 116.80 (116.50 to 117.50): VY002571.D (-965) (-)

Ion 118.80 (118.50 to 119.50): VY002571.D (-965) (-)

Ion 120.80 (120.50 to 121.50): VY002571.D (-965) (-)





#50

Toluene-d8

Concen: 52.282 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY002571.D

Acq: 05 May 2020 03:50

Instrument :

MSVOA_Y

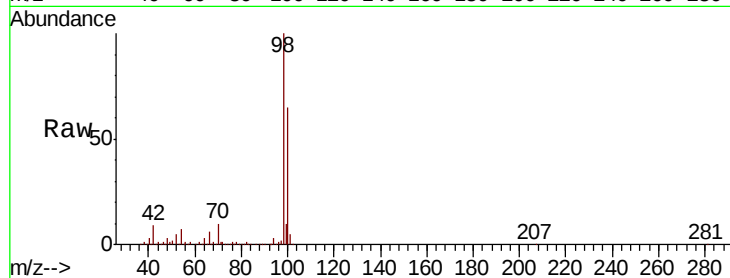
ClientSampleId :

Tot Ion: 98 Resp: 500867

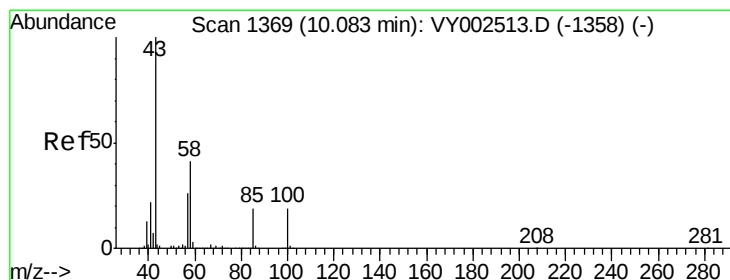
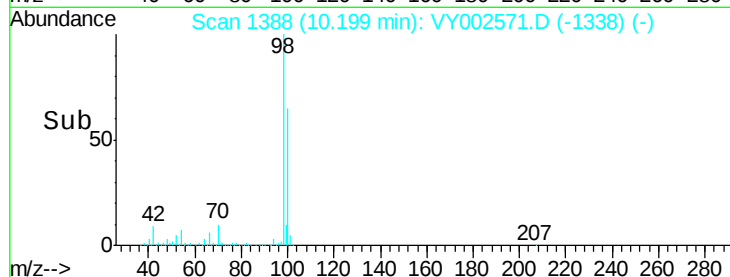
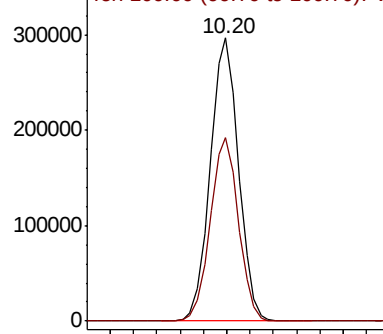
Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY002513.D (-1377) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.011 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.12 min

Lab File: VY002571.D

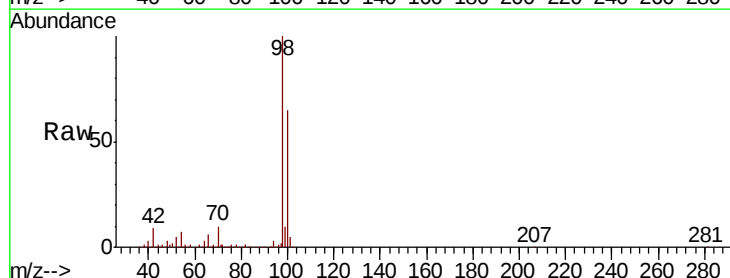
Acq: 05 May 2020 03:50

Tgt Ion: 43 Resp: 1806

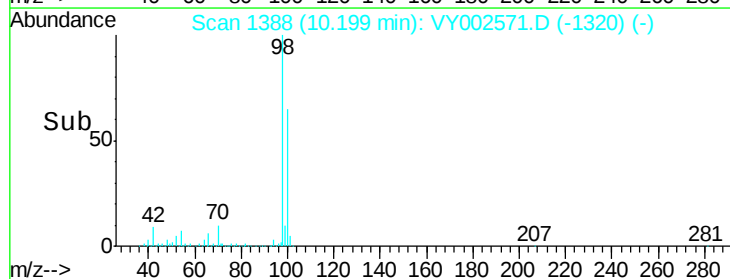
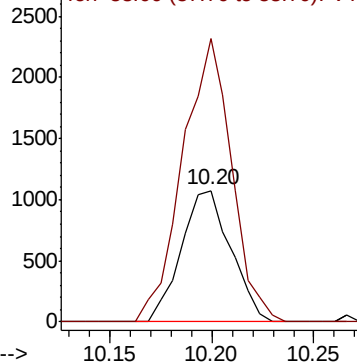
Ion Ratio Lower Upper

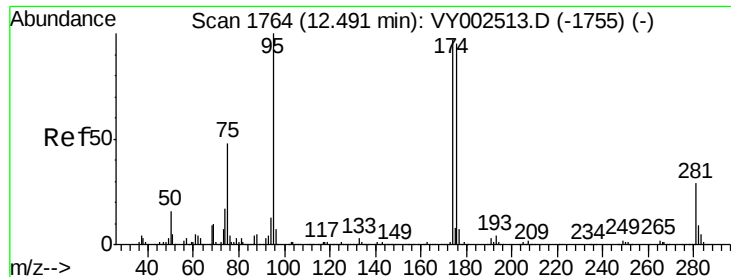
43 100

58 213.9 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-1358) (-)

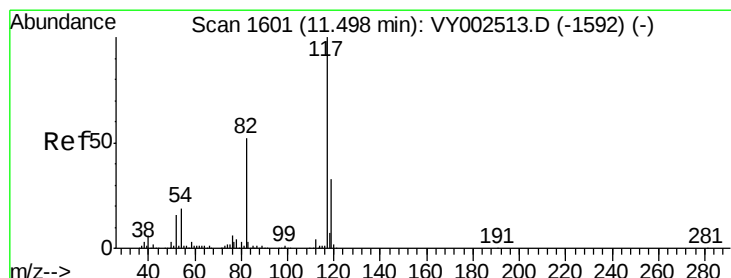
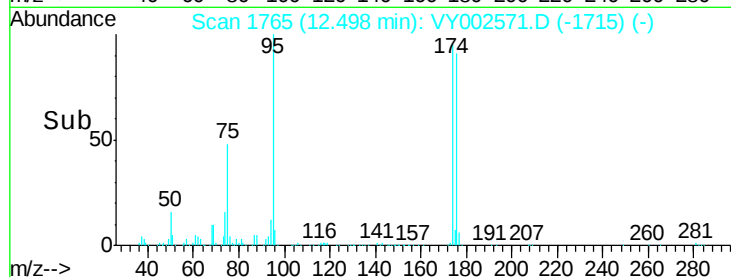
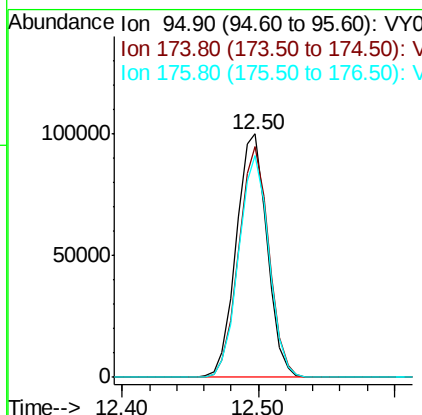
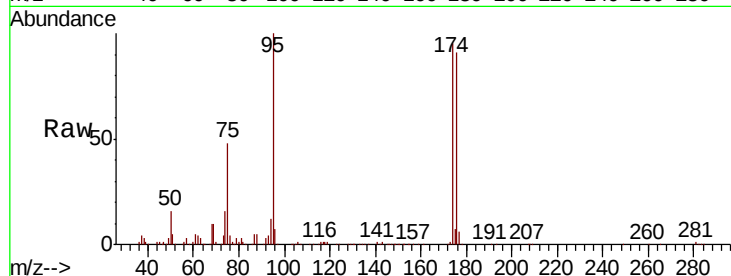




#62
4-Bromofluorobenzene
Concen: 48.373 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY002571.D
Acq: 05 May 2020 03:50

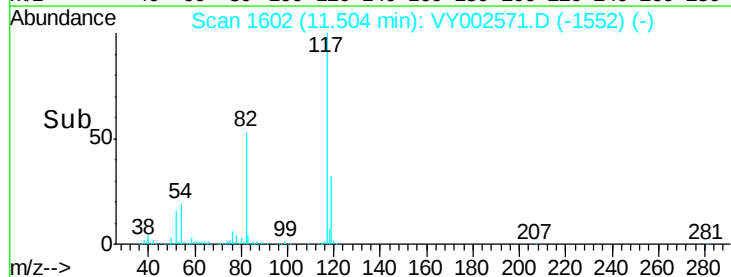
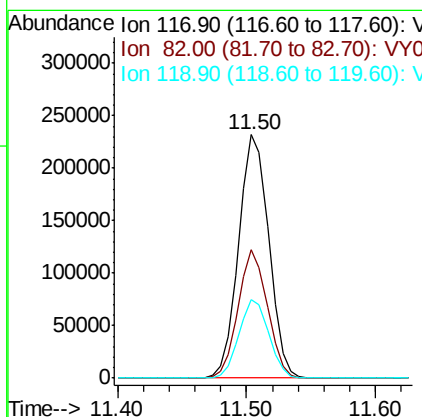
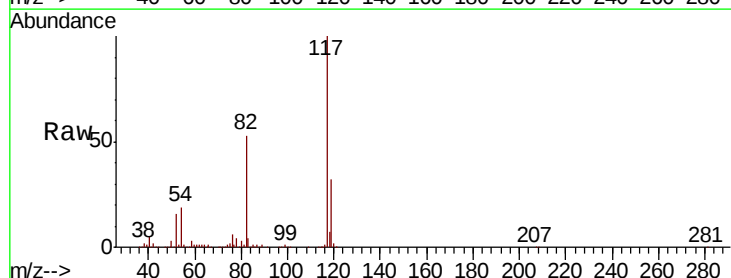
Instrument :
MSVOA_Y
ClientSampleId :

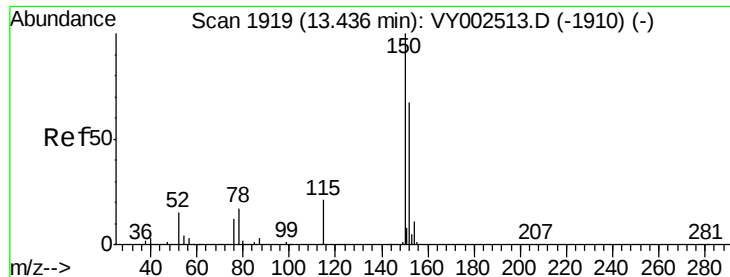
Tot Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	188.8
176	89.9	0.0	183.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002571.D
Acq: 05 May 2020 03:50

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.3	61.9
119	32.2	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: VY002571.D

Acq: 05 May 2020 03:50

Instrument :

MSVOA_Y

ClientSampleId :

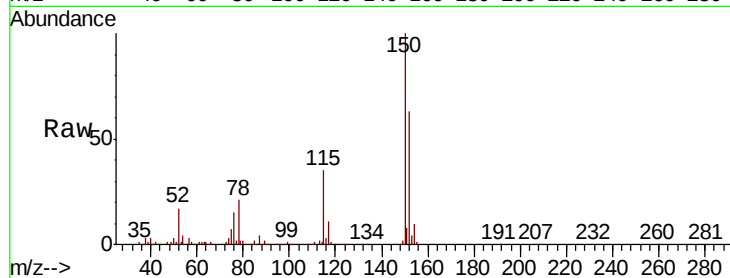
Tot Ion:152 Resp: 177141

Ion Ratio Lower Upper

152 100

115 54.5 27.5 82.4

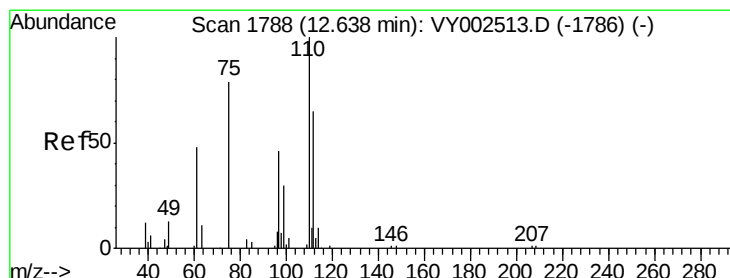
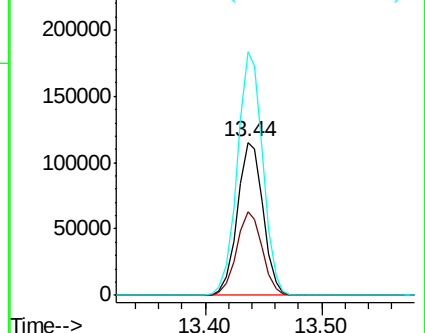
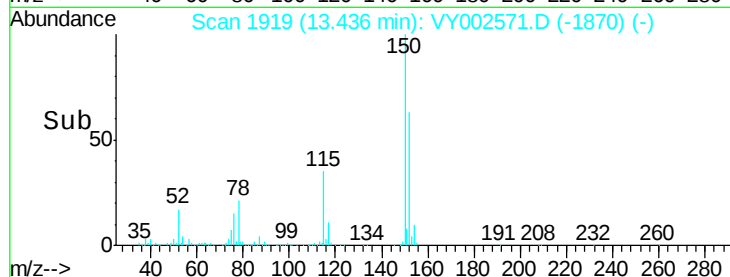
150 157.3 0.0 346.4



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: 48.208 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002571.D

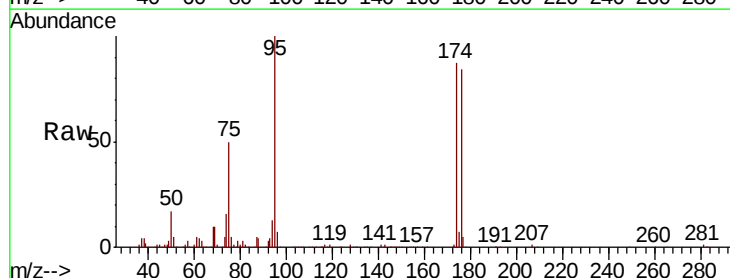
Acq: 05 May 2020 03:50

Tgt Ion: 75 Resp: 75889

Ion Ratio Lower Upper

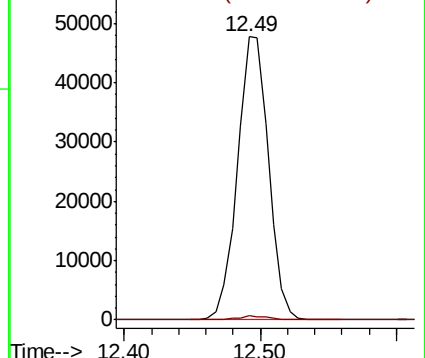
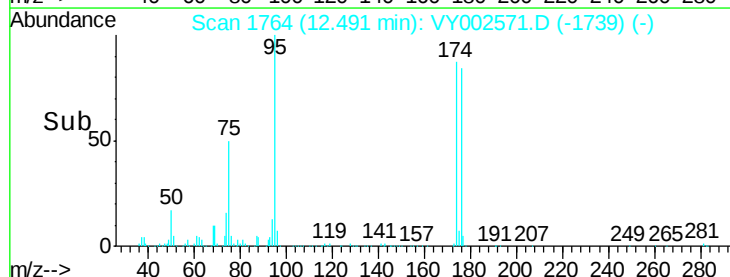
75 100

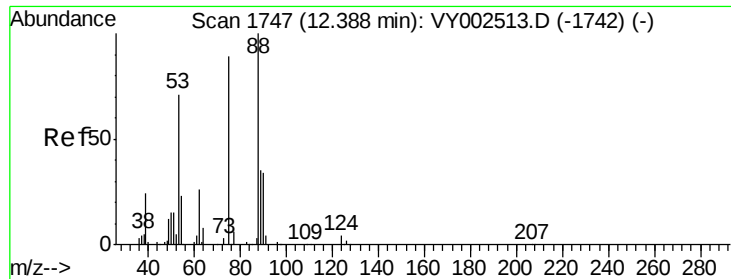
77 1.3 0.0 0.0#



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: 96.667 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002571.D

Acq: 05 May 2020 03:50

Instrument :

MSVOA_Y

ClientSampleId :

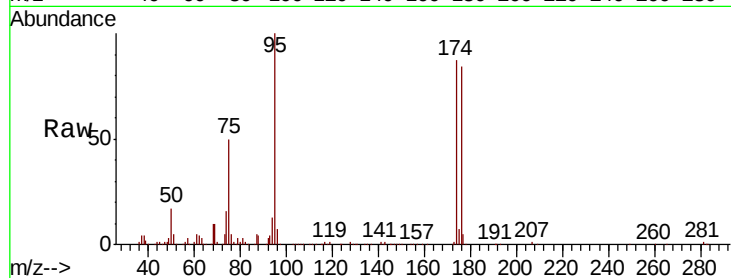
Tot Ion: 75 Resp: 75889

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.0 37.4 56.0#



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

