

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
 Data File : VY001545.D
 Acq On : 06 Feb 2020 20:38
 Operator : SY/MD
 Sample : L1403-03
 Misc : 9.65G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 04:10:28 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	162305	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	299040	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	275705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	132222	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	100111	61.26	ug/l	0.01
Spiked Amount			Recovery	=	122.52%	
35) Dibromofluoromethane	7.75	113	88834	51.52	ug/l	0.01
Spiked Amount			Recovery	=	103.04%	
50) Toluene-d8	10.20	98	352601	54.05	ug/l	0.01
Spiked Amount			Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.49	95	133407	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	

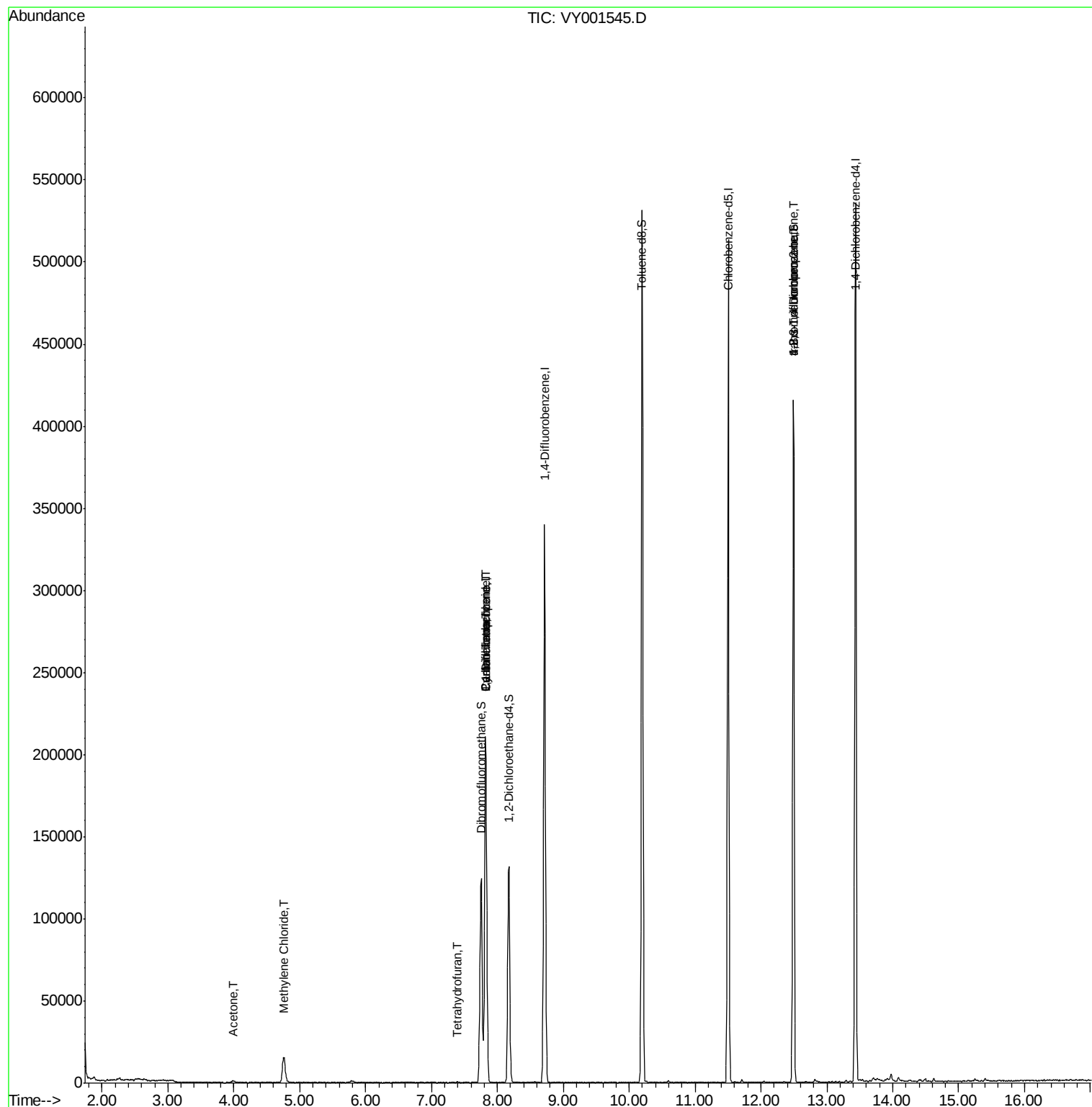
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	92	Below Cal	#	76
16) Acetone	3.99	43	1648	3.486	ug/l	90
20) Methylene Chloride	4.76	84	12120	2.012	ug/l	95
29) Tetrahydrofuran	7.39	42	403	1.096	ug/l #	39
31) Cyclohexane	7.82	56	3718	1.168	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12797	4.678	ug/l #	50
38) Carbon Tetrachloride	7.82	117	16022	6.053	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	68145	47.925	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	68145	92.732	ug/l #	16

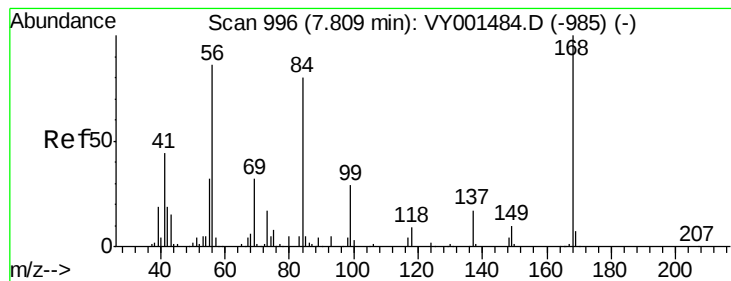
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001545.D

Acq: 06 Feb 2020 20:38

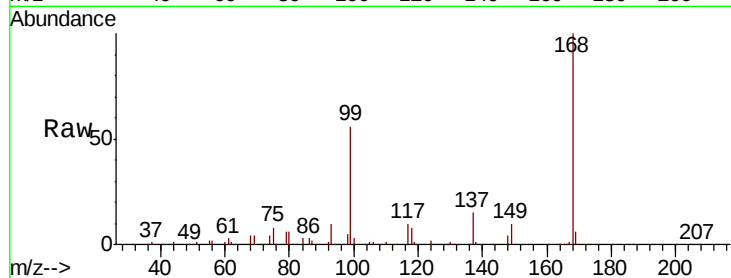
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 162305

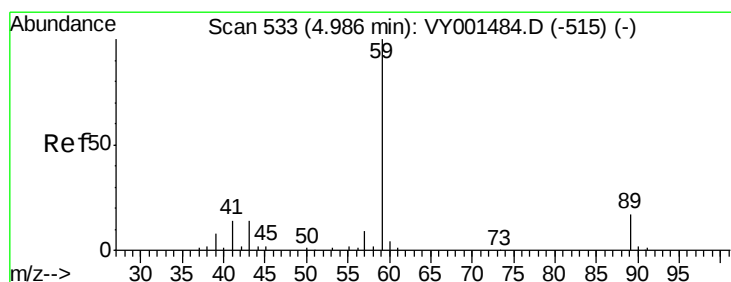
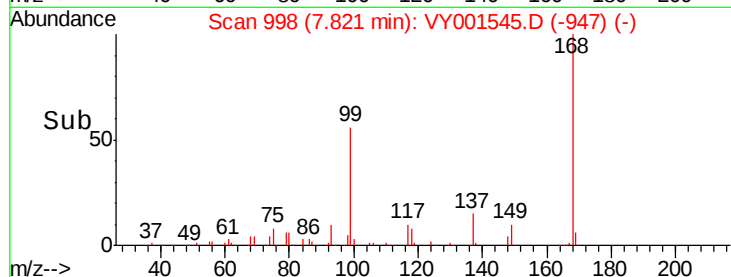
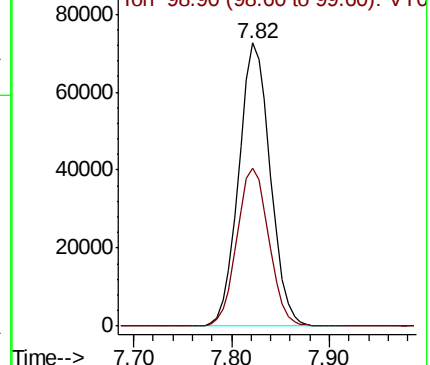
Ion Ratio Lower Upper

168 100

99 56.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001545.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001545.D

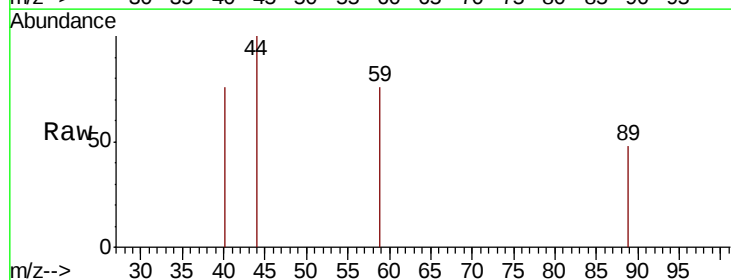
Acq: 06 Feb 2020 20:38

Tgt Ion: 59 Resp: 92

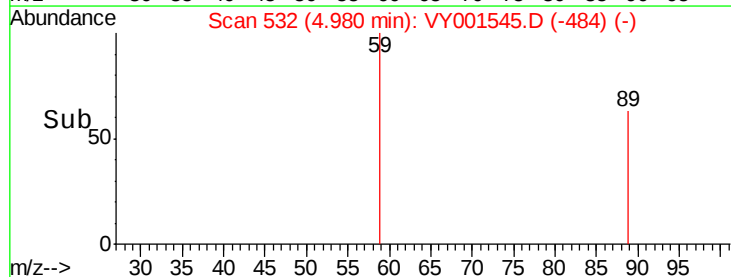
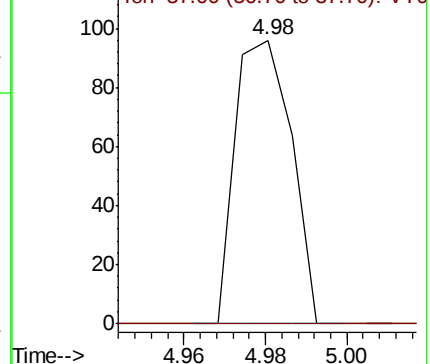
Ion Ratio Lower Upper

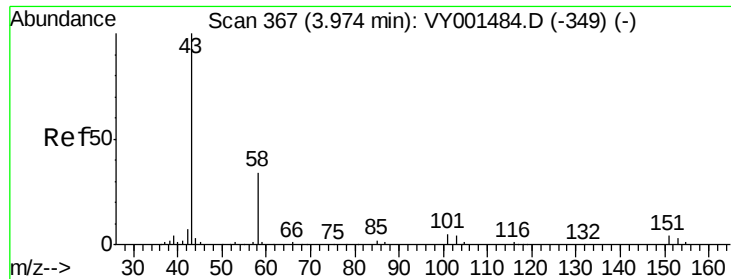
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001545.D (-484) (-)





#16

Acetone

Concen: 3.486 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001545.D

Acq: 06 Feb 2020 20:38

Instrument :

MSVOA_Y

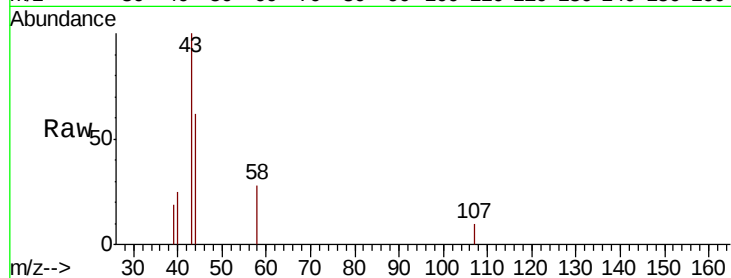
ClientSampleId :

Tot Ion: 43 Resp: 1648

Ion Ratio Lower Upper

43 100

58 28.4 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY001484.D (-349) (-)

Ion 58.00 (57.70 to 58.70): VY001484.D (-349) (-)

3.99

600

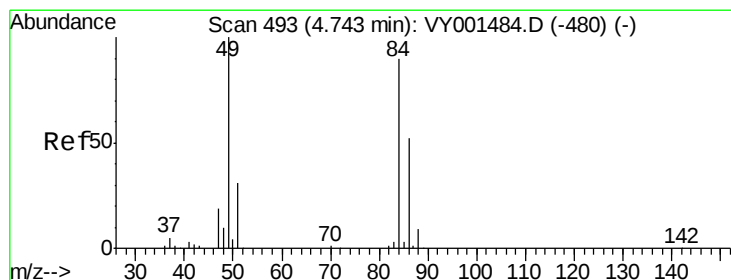
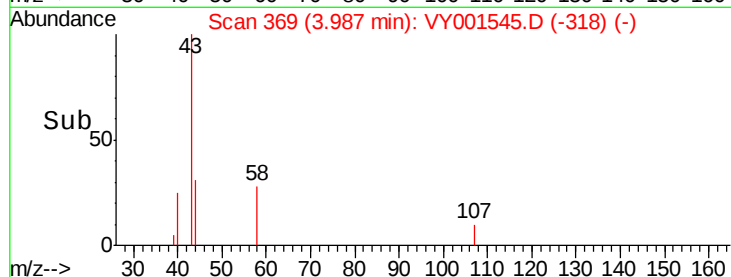
400

200

0

3.90 3.95 4.00 4.05 4.10

Time-->



#20

Methylene Chloride

Concen: 2.012 ug/l

RT: 4.76 min Scan# 496

Delta R.T. 0.02 min

Lab File: VY001545.D

Acq: 06 Feb 2020 20:38

Tgt Ion: 84 Resp: 12120

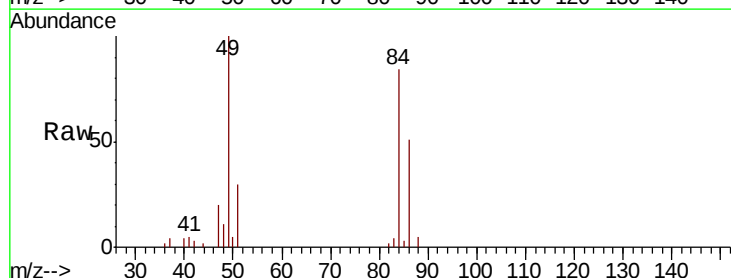
Ion Ratio Lower Upper

84 100

49 118.8 89.0 133.6

51 35.4 27.4 41.2

86 61.2 46.6 70.0



Abundance Ion 83.90 (83.60 to 84.60): VY001484.D (-480) (-)

Ion 48.90 (48.60 to 49.60): VY001484.D (-480) (-)

Ion 50.90 (50.60 to 51.60): VY001484.D (-480) (-)

Ion 85.90 (85.60 to 86.60): VY001484.D (-480) (-)

4.76

6000

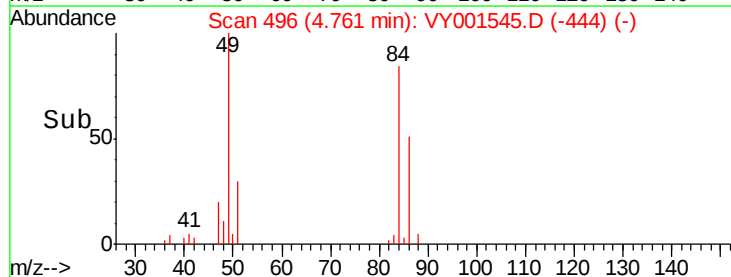
4000

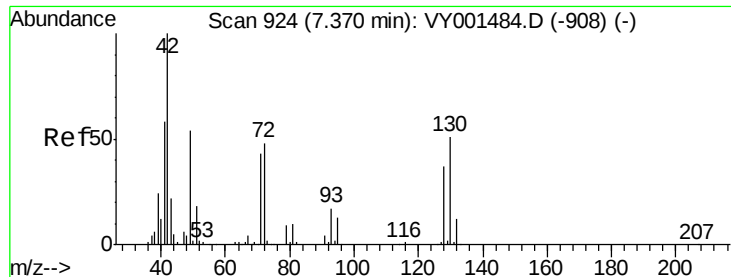
2000

0

4.70 4.75 4.80

Time-->





#29

Tetrahydrofuran

Concen: 1.096 ug/l

RT: 7.39 min Scan# 927

Delta R.T. 0.02 min

Lab File: VY001545.D

Acq: 06 Feb 2020 20:38

Instrument :

MSVOA_Y

ClientSampleId :

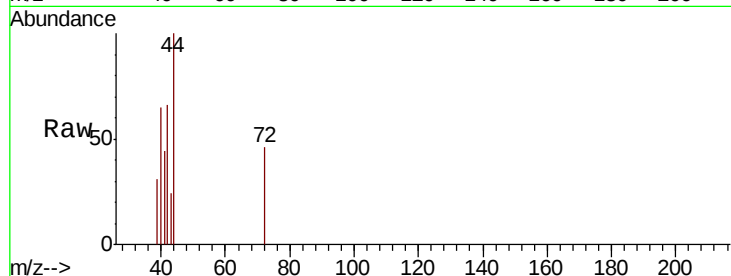
Tot Ion: 42 Resp: 403

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

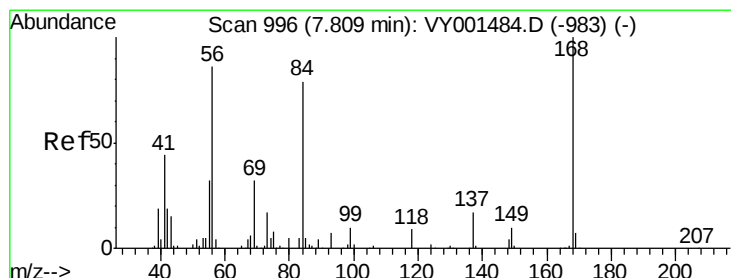
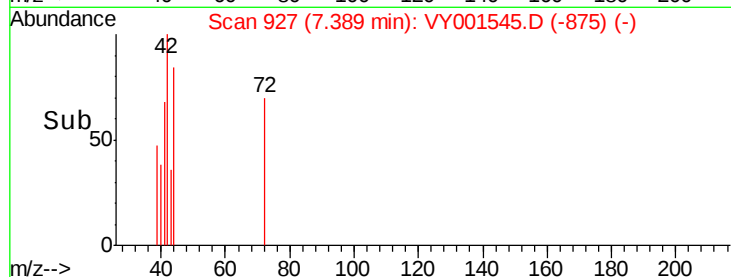
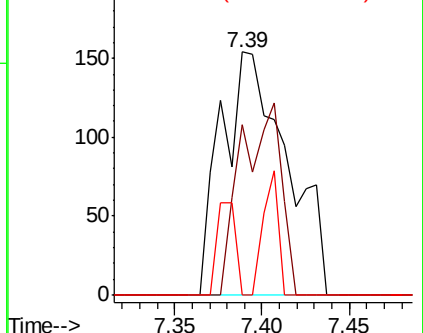
71 10.4 34.8 52.2#



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.168 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001545.D

Acq: 06 Feb 2020 20:38

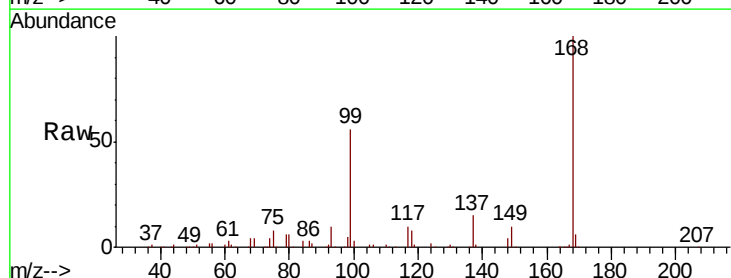
Tgt Ion: 56 Resp: 3718

Ion Ratio Lower Upper

56 100

69 166.5 29.6 44.4#

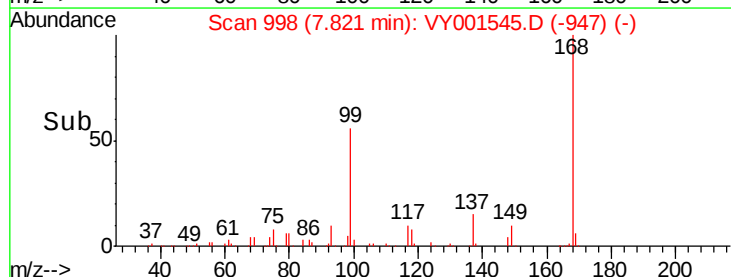
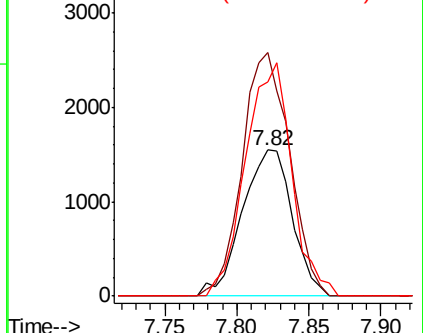
84 146.5 73.6 110.4#

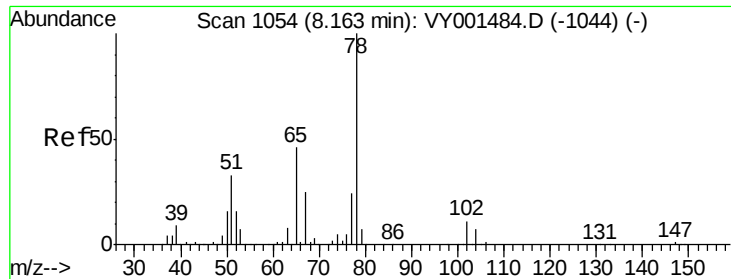


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 61.261 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001545.D

Acq: 06 Feb 2020 20:38

Instrument :

MSVOA_Y

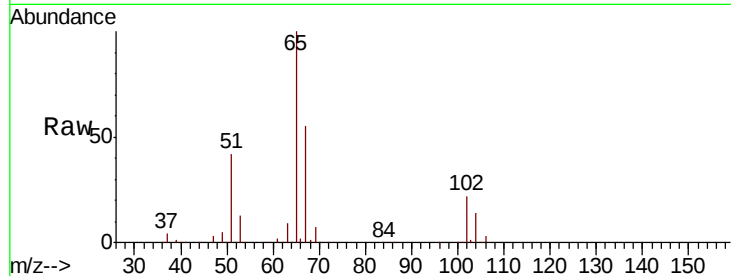
ClientSampled :

Tot Ion: 65 Resp: 100111

Ion Ratio Lower Upper

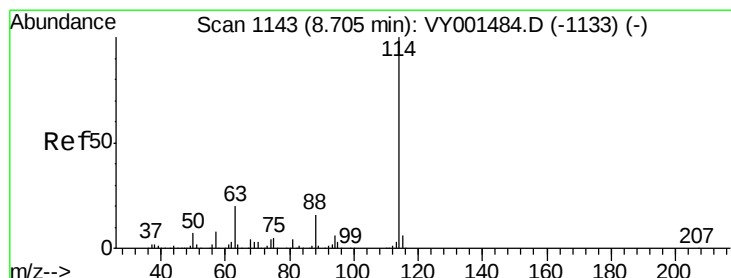
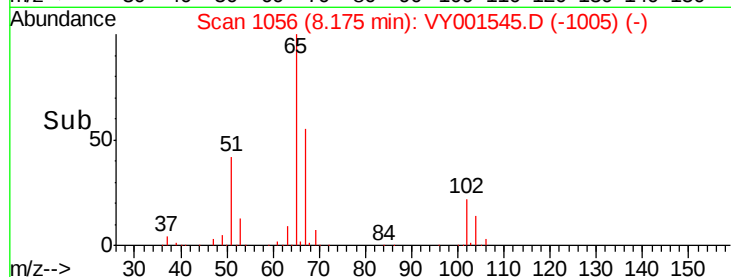
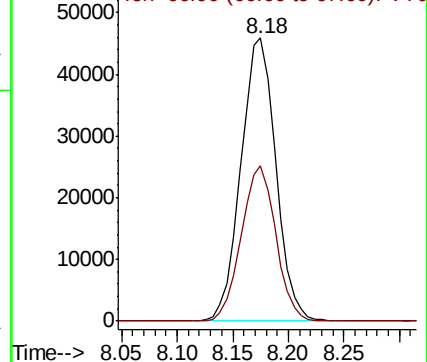
65 100

67 54.2 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: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001545.D

Acq: 06 Feb 2020 20:38

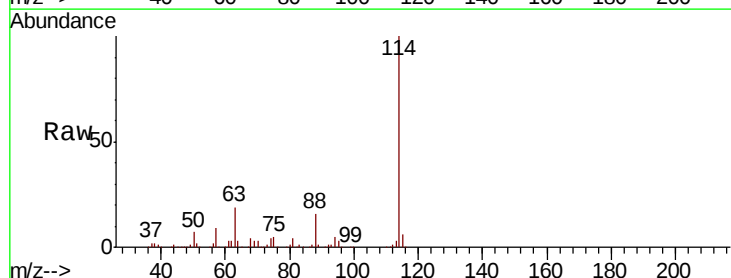
Tgt Ion: 114 Resp: 299040

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.8

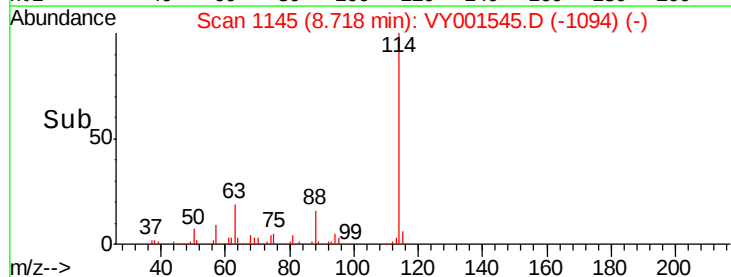
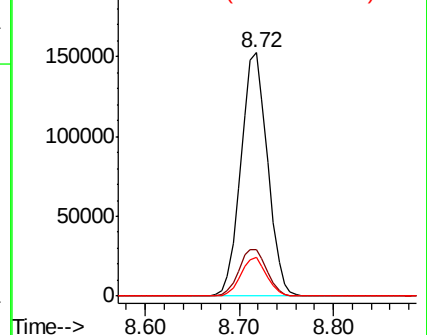
88 15.9 0.0 32.6

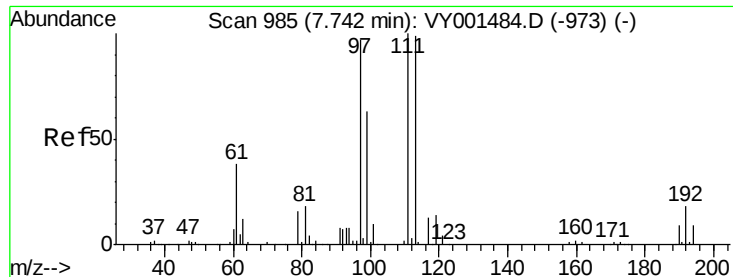


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

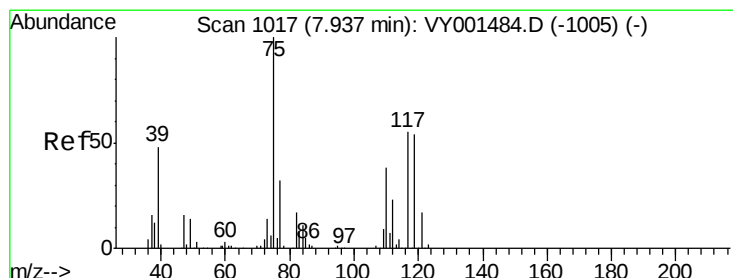
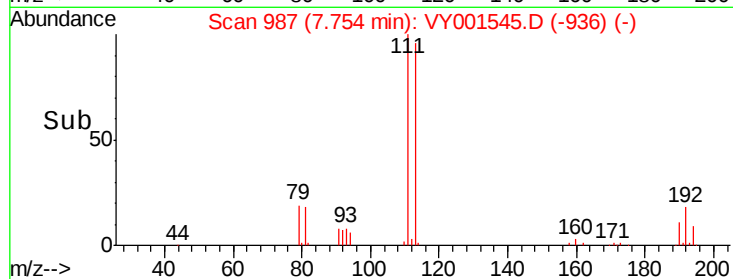
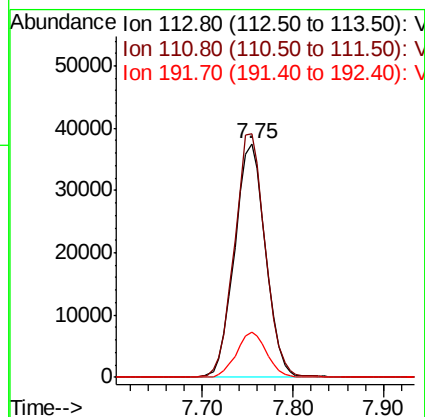
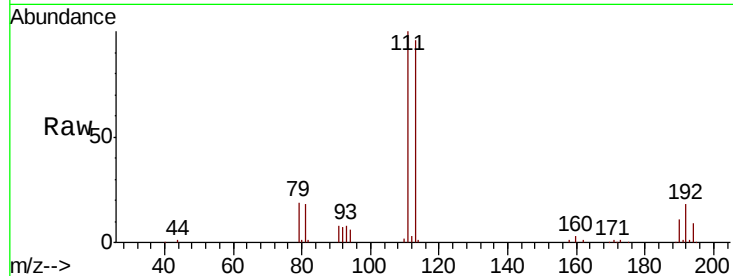




#35
 Dibromofluoromethane
 Concen: 51.516 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001545.D
 Acq: 06 Feb 2020 20:38

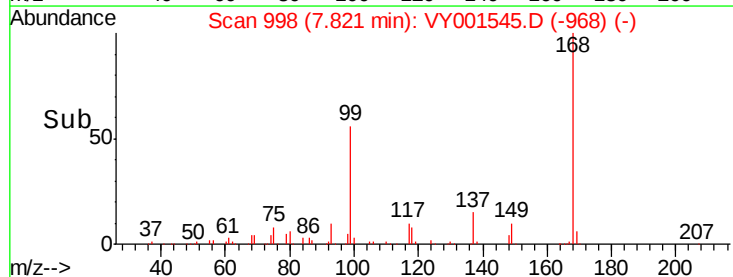
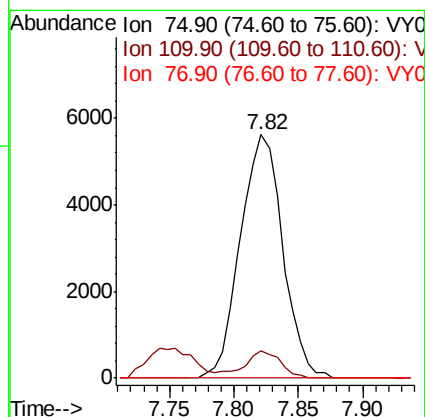
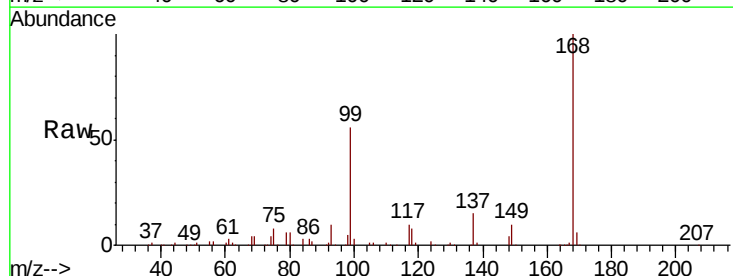
Instrument :
 MSVOA_Y
 ClientSampled :

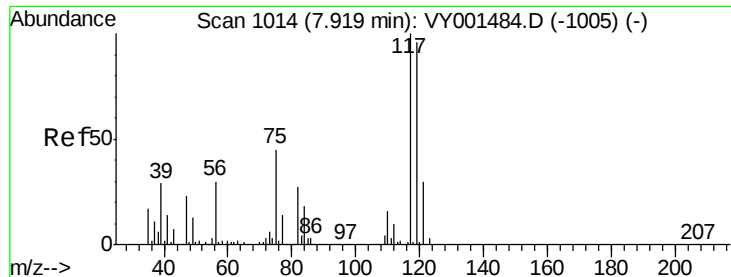
Tot Ion:113 Resp: 88834
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.9 124.3
 192 18.7 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 4.678 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001545.D
 Acq: 06 Feb 2020 20:38

Tgt Ion: 75 Resp: 12797
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.2 54.6#
 77 0.0 25.0 37.4#

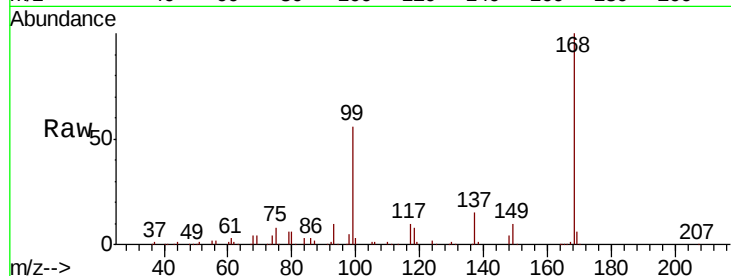




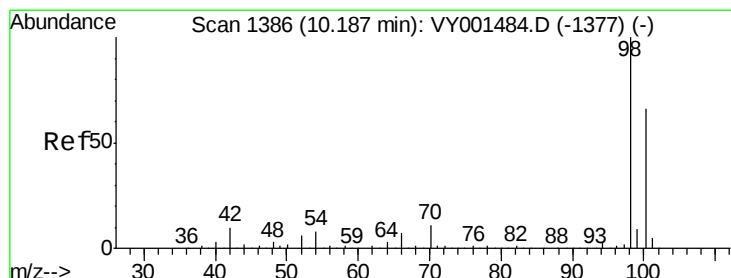
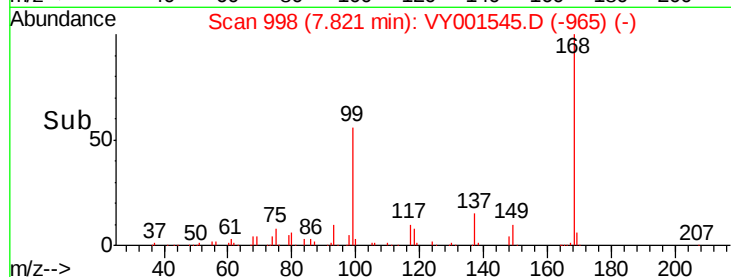
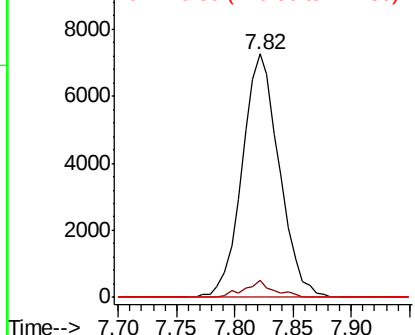
#38
Carbon Tetrachloride
Concen: 6.053 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY001545.D
Acq: 06 Feb 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 16022
Ion Ratio Lower Upper
117 100
119 6.8 76.4 114.6#
121 0.0 24.2 36.4#

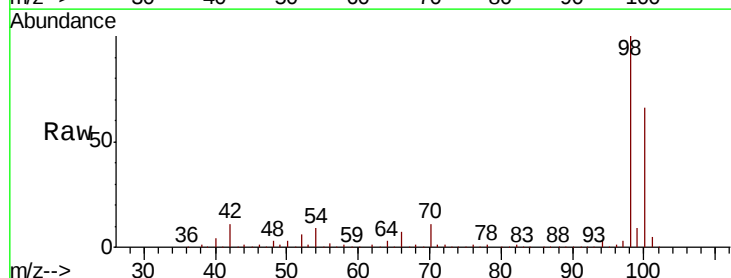


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

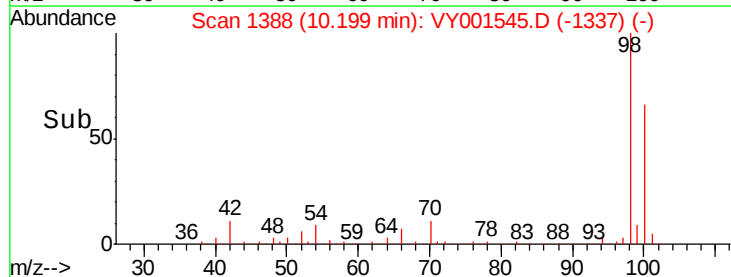
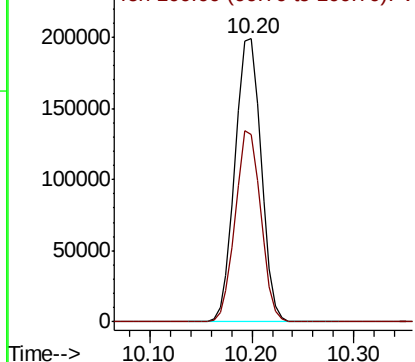


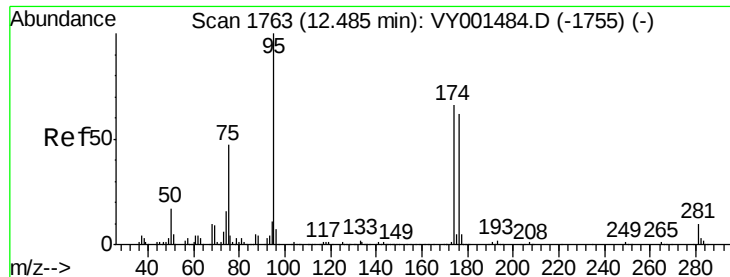
#50
Toluene-d8
Concen: 54.045 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001545.D
Acq: 06 Feb 2020 20:38

Tgt Ion: 98 Resp: 352601
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

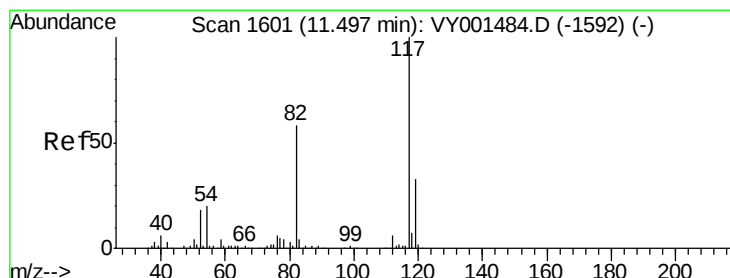
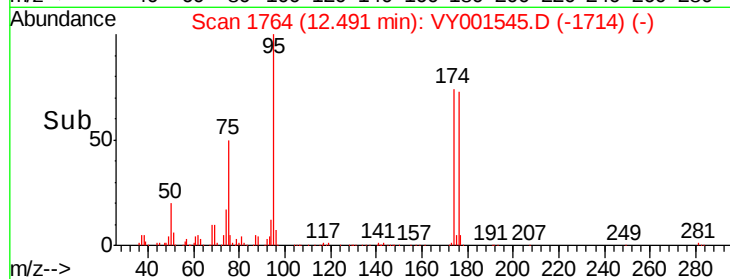
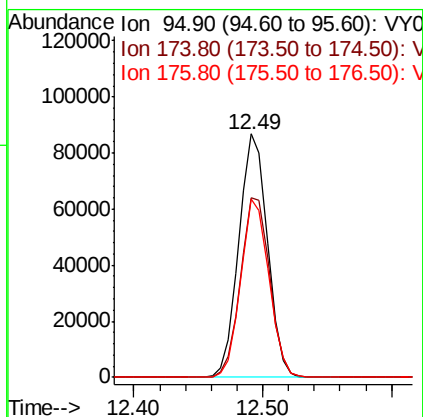
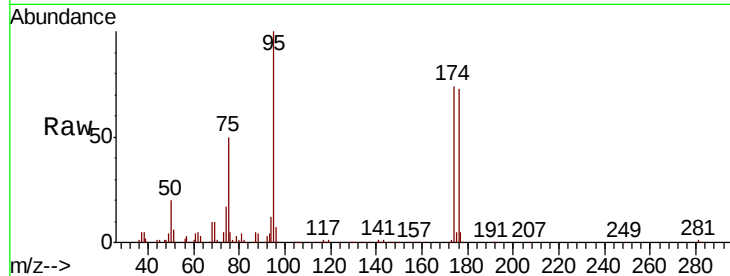




#62
4-Bromofluorobenzene
Concen: 51.906 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001545.D
Acq: 06 Feb 2020 20:38

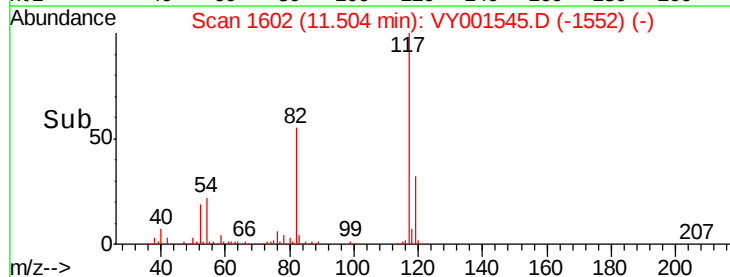
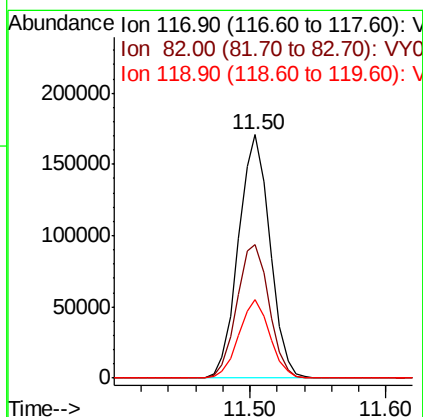
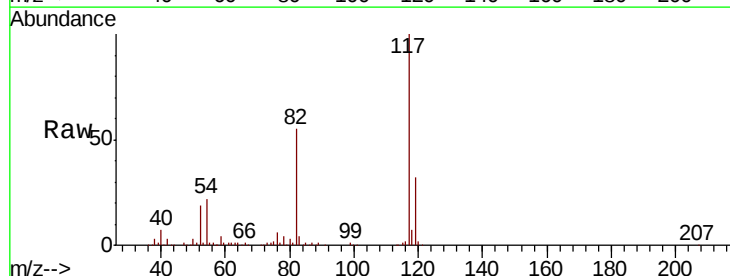
Instrument :
MSVOA_Y
ClientSampleId :

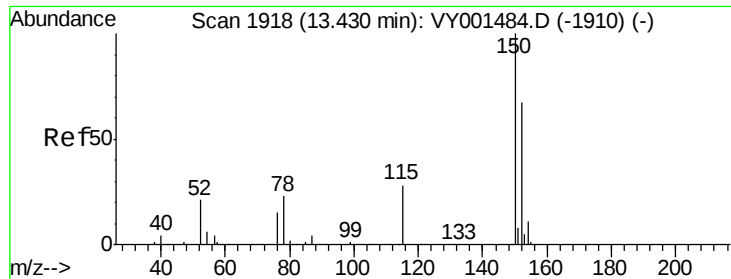
Tot Ion	95	Resp	133407
Ion Ratio	100		
Lower		0.0	
Upper		141.4	
174	75.0		
176	72.1		
		0.0	135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001545.D
Acq: 06 Feb 2020 20:38

Tgt Ion	117	Resp	275705
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower		46.1	
Upper		69.1	
82	54.6		
119	32.2		
		26.1	39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001545.D

Acq: 06 Feb 2020 20:38

Instrument :

MSVOA_Y

ClientSampleId :

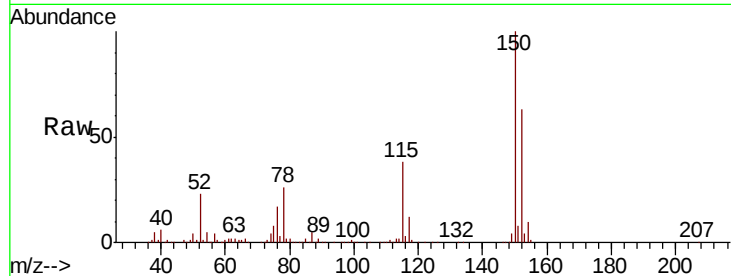
Tot Ion:152 Resp: 132222

Ion Ratio Lower Upper

152 100

115 60.5 31.4 94.3

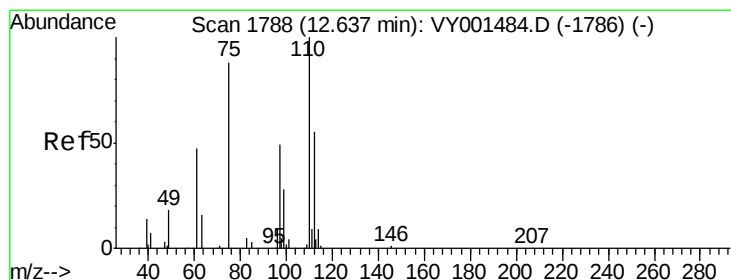
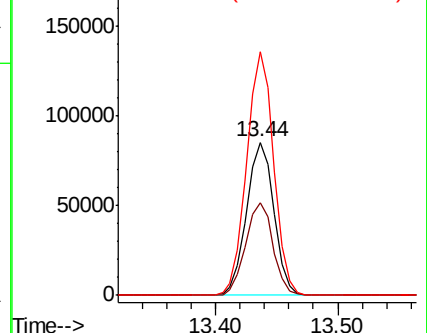
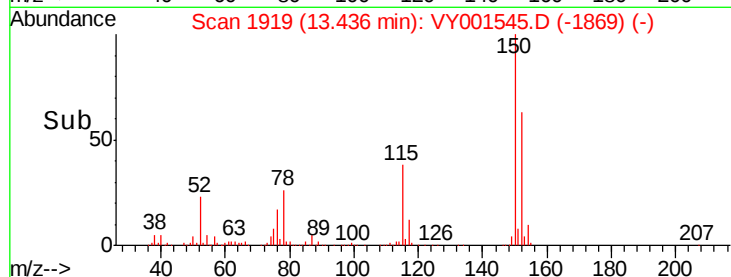
150 157.4 0.0 346.8



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: 47.925 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001545.D

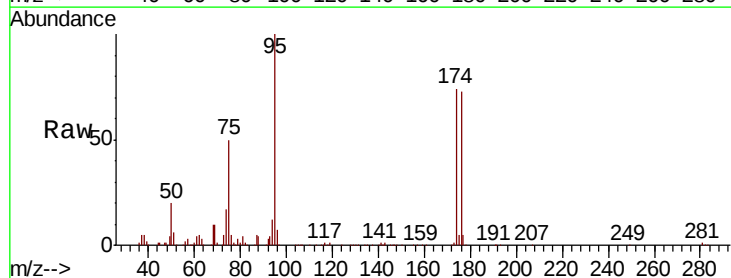
Acq: 06 Feb 2020 20:38

Tgt Ion: 75 Resp: 68145

Ion Ratio Lower Upper

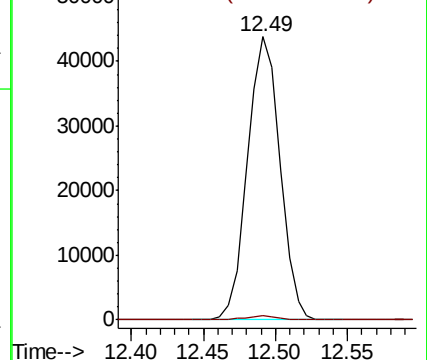
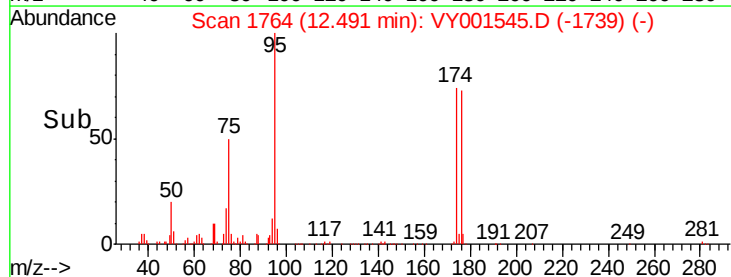
75 100

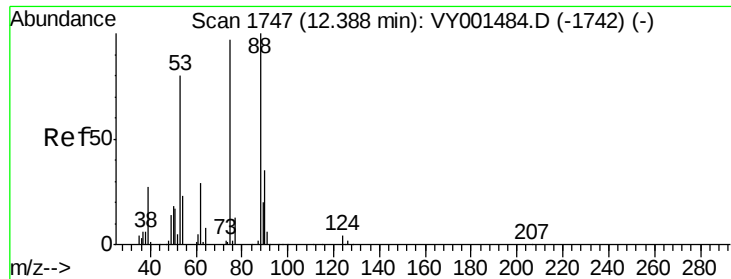
77 1.3 0.0 0.0#



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: 92.732 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001545.D
 Acq: 06 Feb 2020 20:38

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 68145
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.7 101.5#
 89 0.0 34.6 52.0#

