

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000397.D
 Acq On : 23 Oct 2019 21:23
 Operator : SY/MD
 Sample : K5498-12
 Misc : 4.92G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 24 04:49:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	210094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	359545	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	301058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	112444	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	118311	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
35) Dibromofluoromethane	7.73	113	100942	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
50) Toluene-d8	10.19	98	415424	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.48	95	118870	37.50	ug/l	0.00
Spiked Amount			Recovery	=	75.00%	

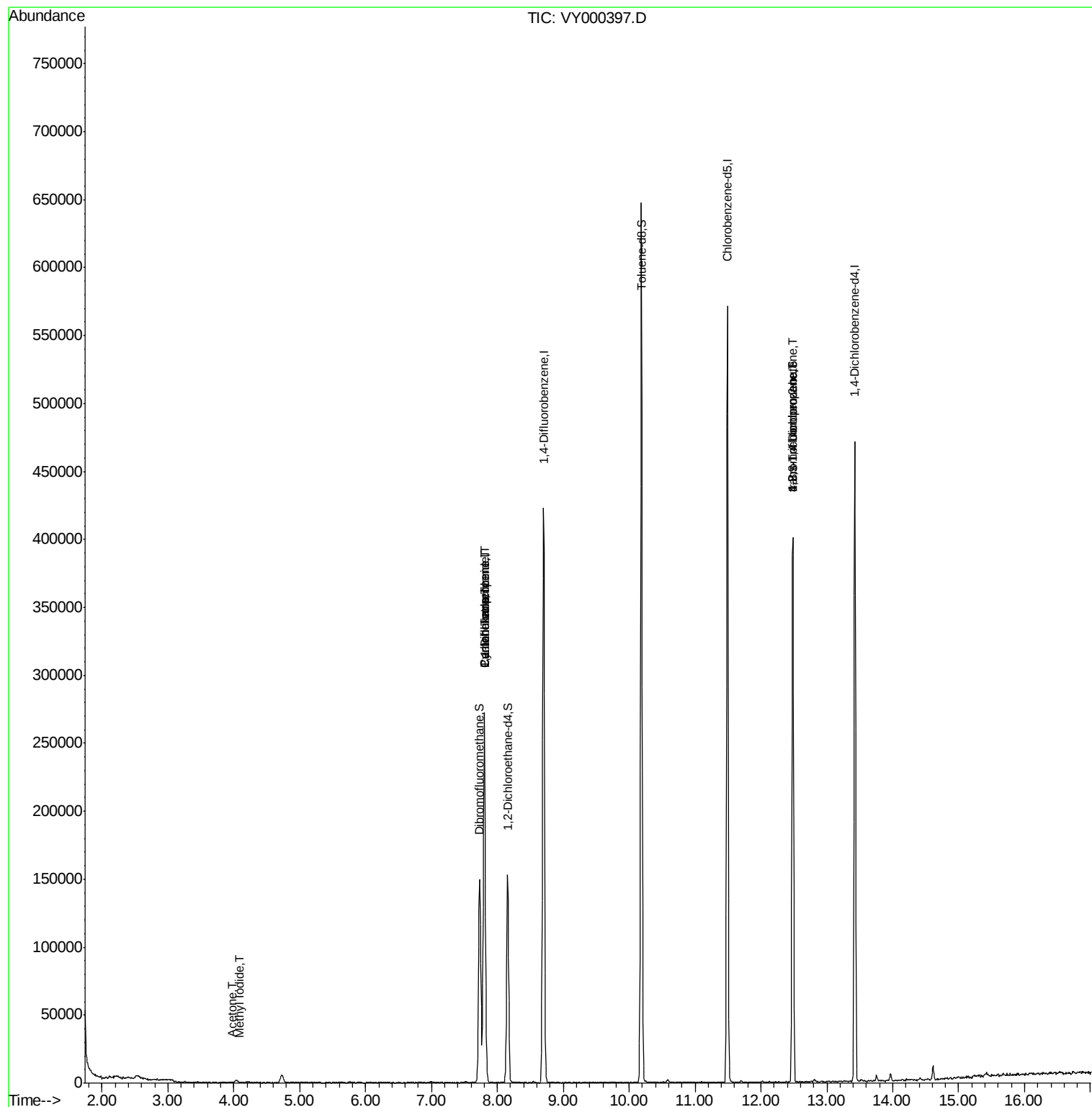
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	58	Below Cal	#	41
10) Methyl Iodide	4.08	142	39	1.198	ug/l #	41
16) Acetone	3.97	43	956	1.332	ug/l #	42
20) Methylene Chloride	4.72	84	4182	Below Cal	#	91
31) Cyclohexane	7.80	56	4434	1.046	ug/l #	31
36) 1,1-Dichloropropene	7.80	75	16038	4.556	ug/l #	49
38) Carbon Tetrachloride	7.80	117	20149	5.912	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	65192	47.149	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	65192	103.160	ug/l #	14

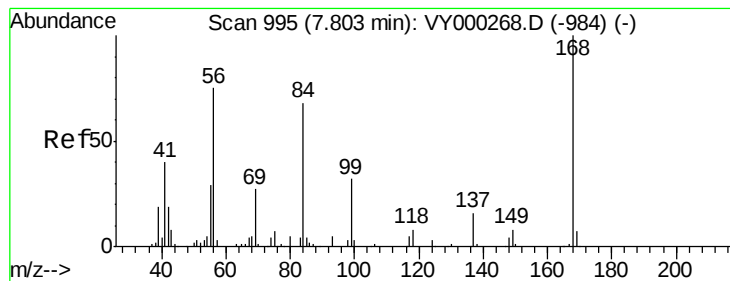
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
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QLast Update : Thu Oct 17 02:03:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000397.D

Acq: 23 Oct 2019 21:23

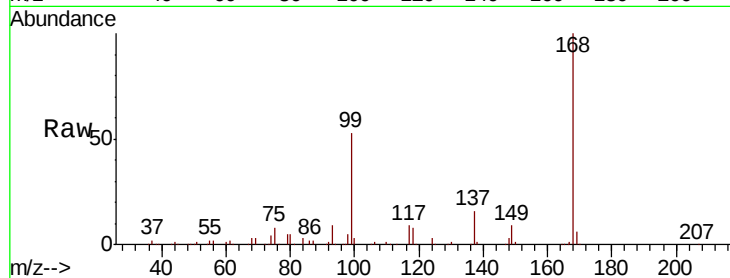
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 210094

Ion Ratio Lower Upper

168 100

99 53.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

7.80

100000

80000

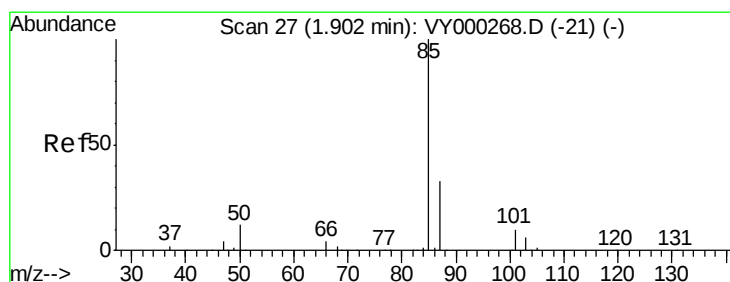
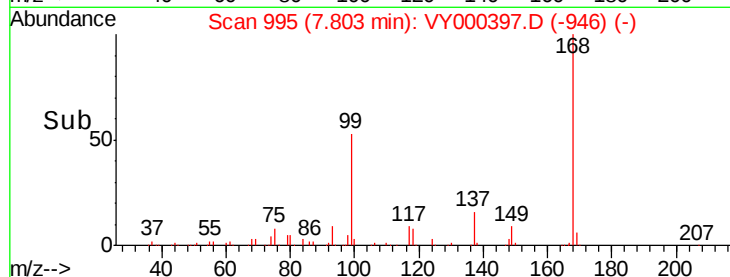
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000397.D

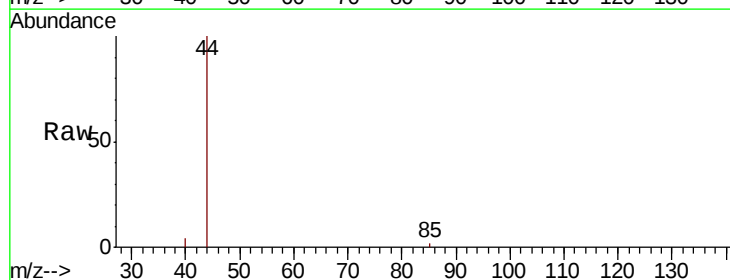
Acq: 23 Oct 2019 21:23

Tgt Ion: 85 Resp: 58

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

1.91

100

80

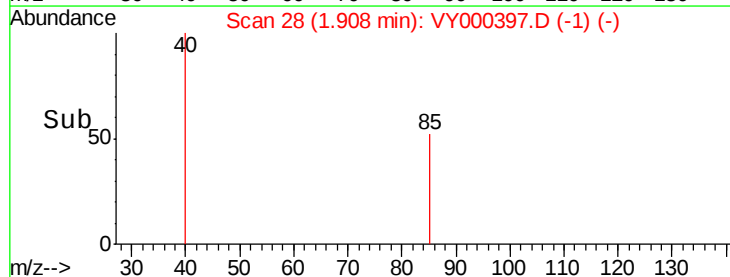
60

40

20

0

Time-->

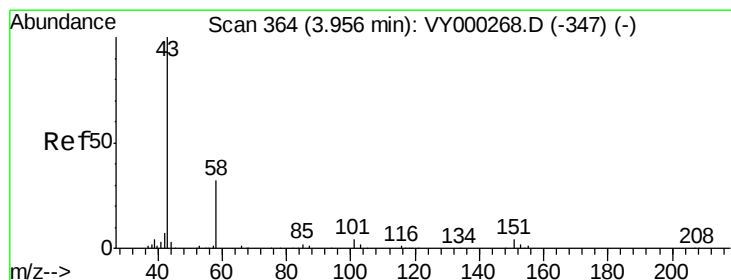
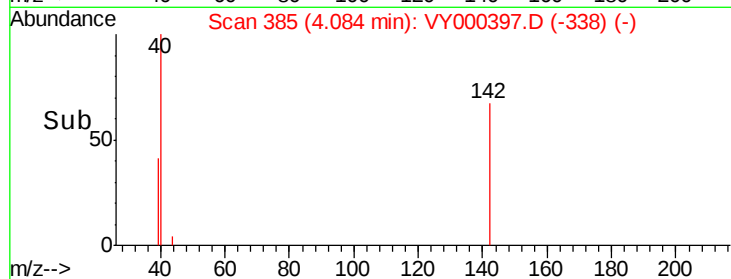
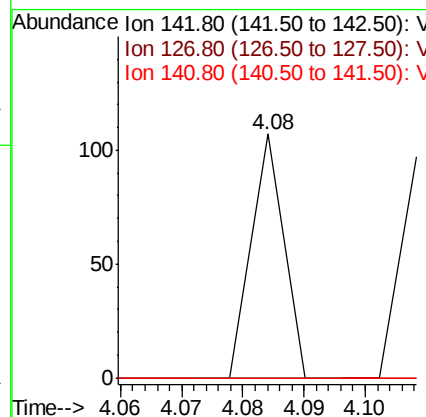
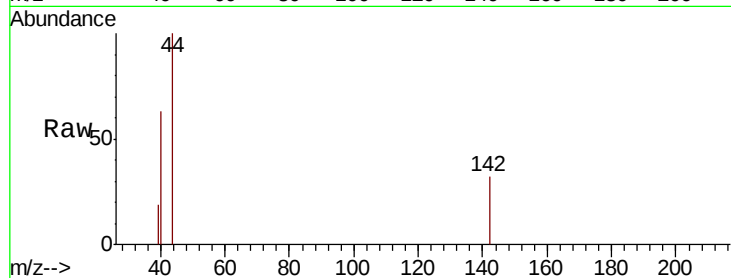




#10
Methvl Iodide
Concen: 1.198 ug/l
RT: 4.08 min Scan# 385
Delta R.T. -0.01 min
Lab File: VY000397.D
Acq: 23 Oct 2019 21:23

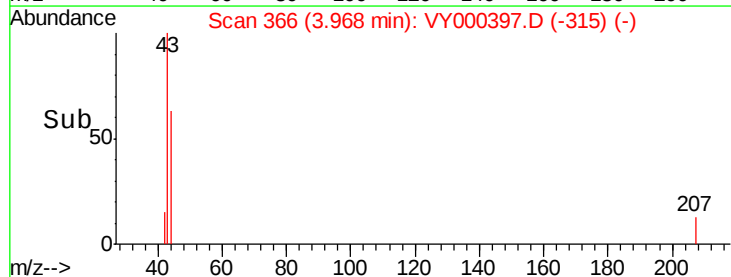
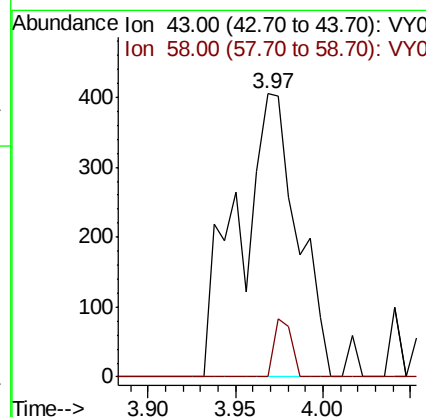
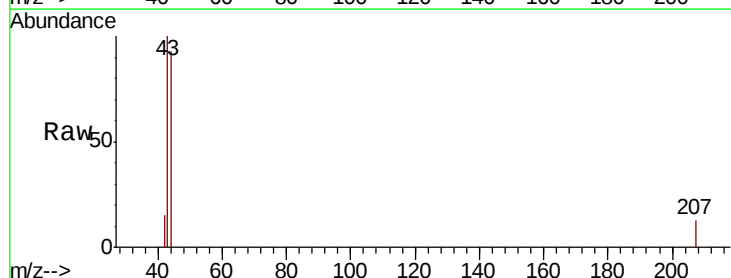
Instrument :
MSVOA_Y
ClientSampleId :

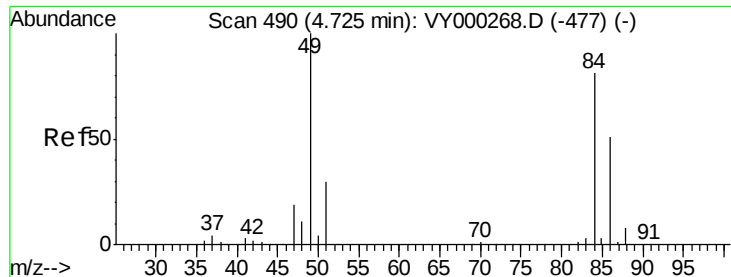
Tot Ion:142 Resp: 39
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.2 16.8#



#16
Acetone
Concen: 1.332 ug/l
RT: 3.97 min Scan# 366
Delta R.T. 0.01 min
Lab File: VY000397.D
Acq: 23 Oct 2019 21:23

Tgt Ion: 43 Resp: 956
Ion Ratio Lower Upper
43 100
58 0.0 25.8 38.6#

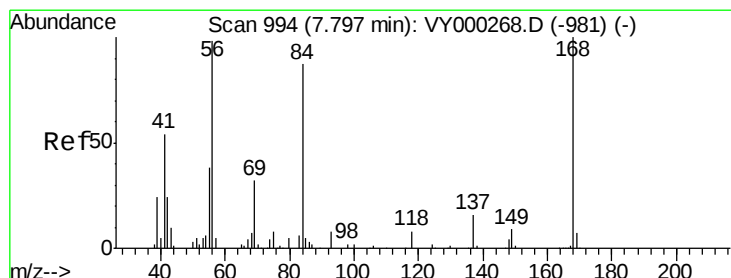
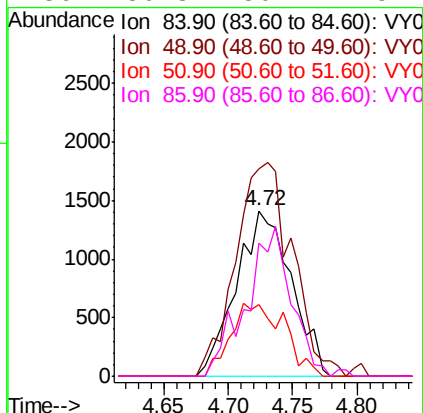
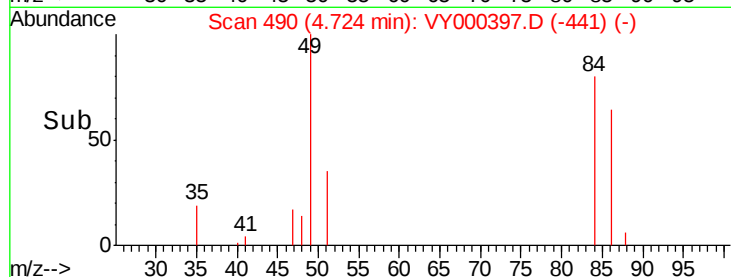
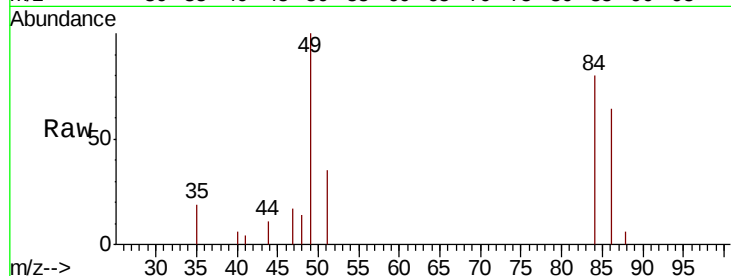




#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000397.D
Acq: 23 Oct 2019 21:23

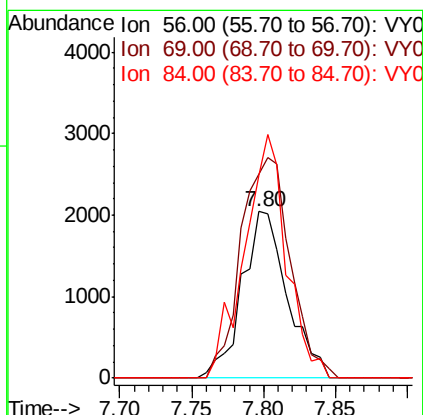
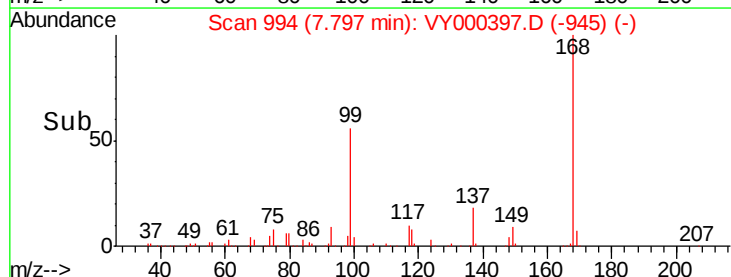
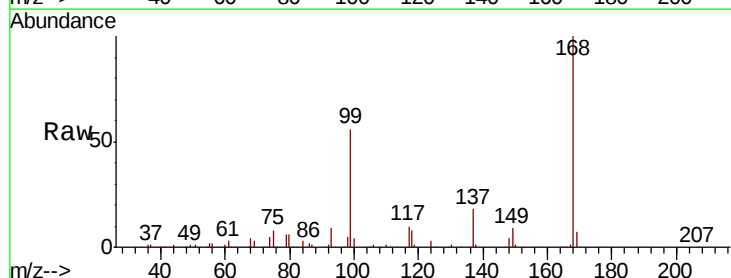
Instrument :
MSVOA_Y
ClientSampled :

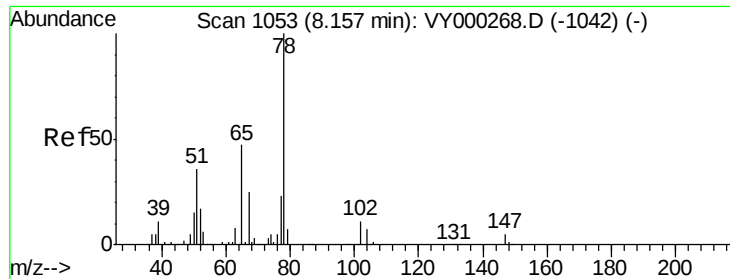
Tot Ion: 84 Resp: 4182
Ion Ratio Lower Upper
84 100
49 125.5 99.0 148.4
51 43.4 29.3 43.9
86 80.3 50.2 75.4#



#31
Cyclohexane
Concen: 1.046 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000397.D
Acq: 23 Oct 2019 21:23

Tgt Ion: 56 Resp: 4434
Ion Ratio Lower Upper
56 100
69 122.7 26.3 39.5#
84 121.8 70.8 106.2#

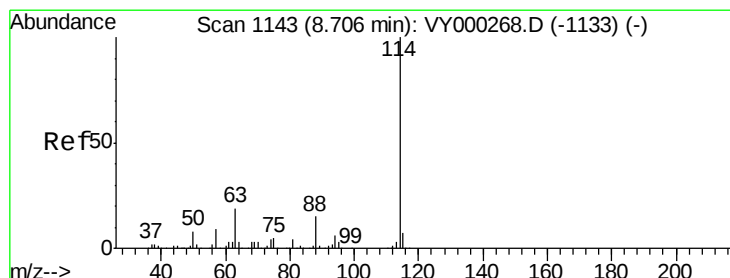
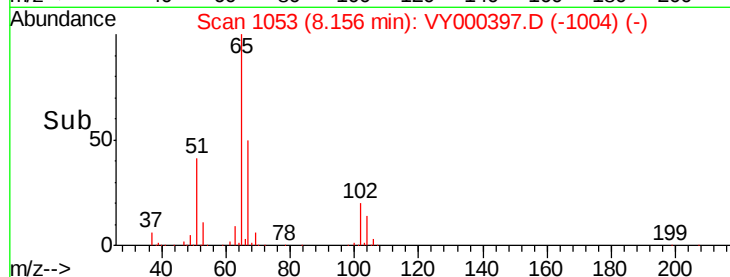
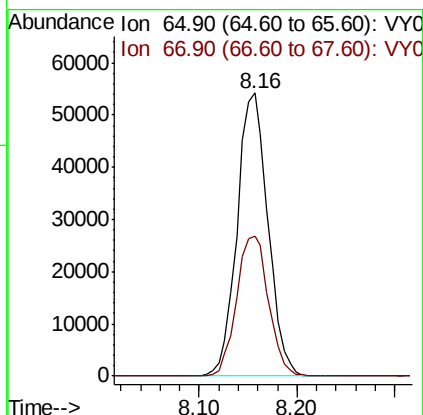
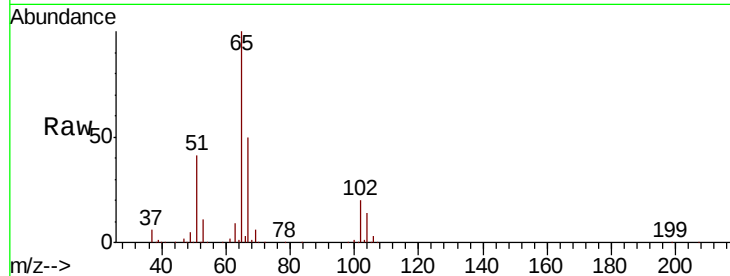




#33
 1,2-Dichloroethane-d4
 Concen: 53.386 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000397.D
 Acq: 23 Oct 2019 21:23

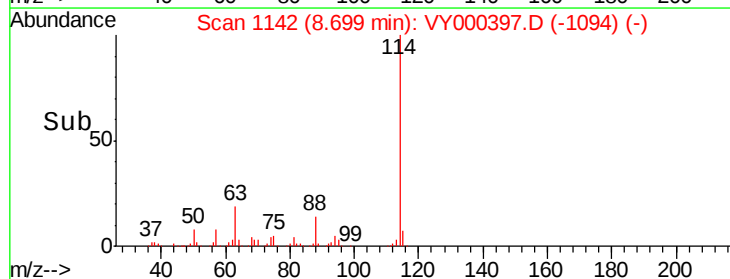
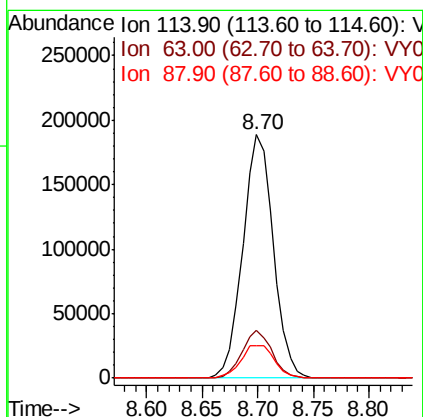
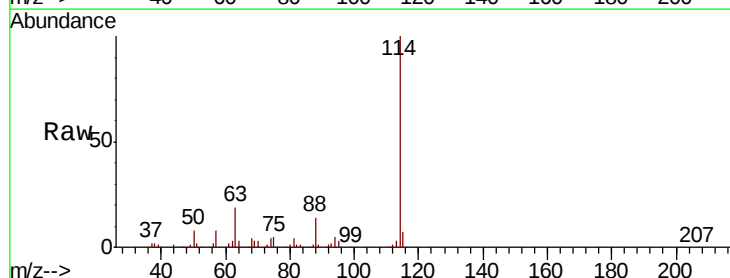
Instrument :
 MSVOA_Y
 ClientSampleId :

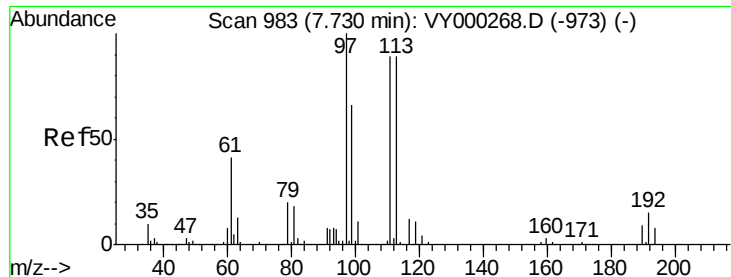
Tot Ion: 65 Resp: 118311
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000397.D
 Acq: 23 Oct 2019 21:23

Tgt Ion: 114 Resp: 359545
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.2
 88 13.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.543 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

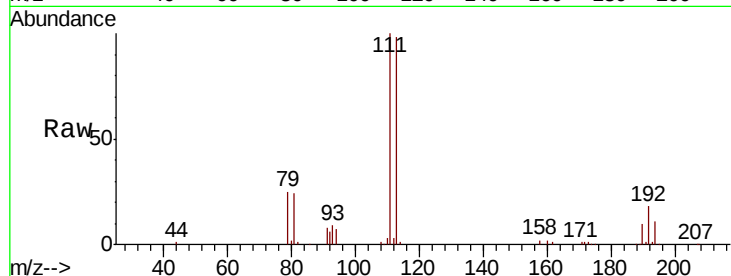
Lab File: VY000397.D

Acq: 23 Oct 2019 21:23

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:113 Resp: 100942

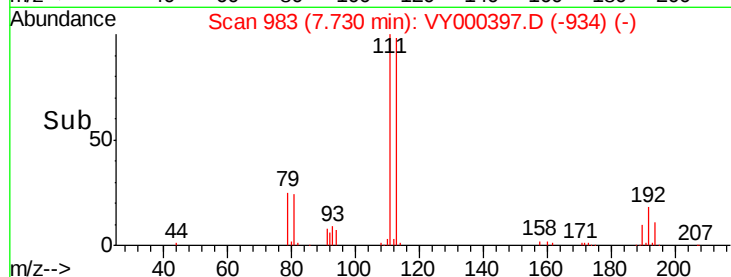
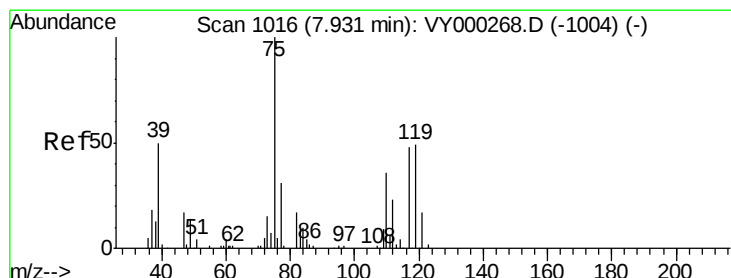
Ion	Ratio	Lower	Upper
113	100		
111	106.1	81.6	122.4
192	20.0	15.3	22.9



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: 4.556 ug/l

RT: 7.80 min Scan# 995

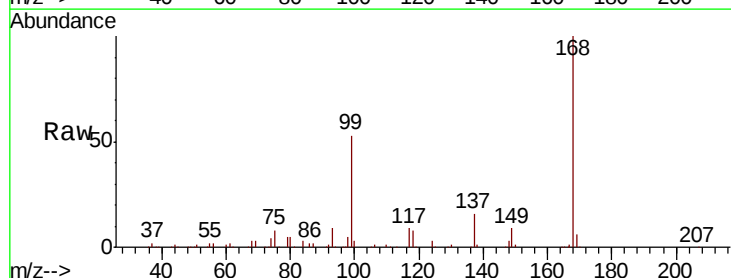
Delta R.T. -0.13 min

Lab File: VY000397.D

Acq: 23 Oct 2019 21:23

Tgt Ion: 75 Resp: 16038

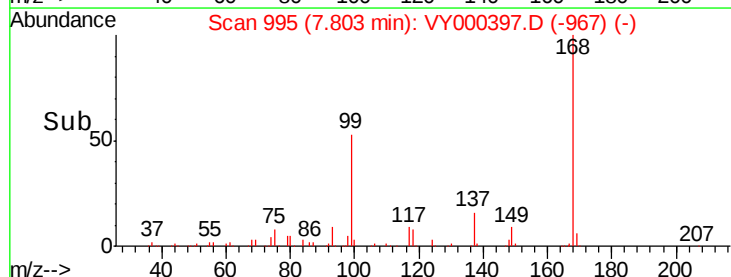
Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.4	55.4#
77	0.0	25.0	37.6#

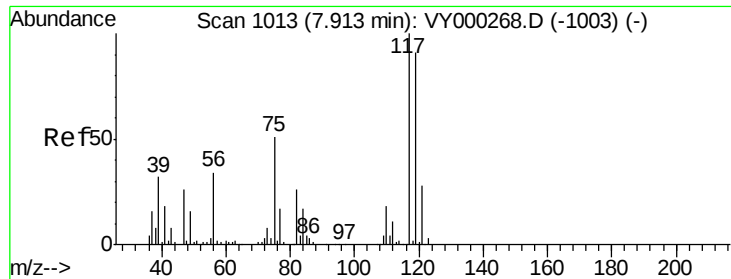


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

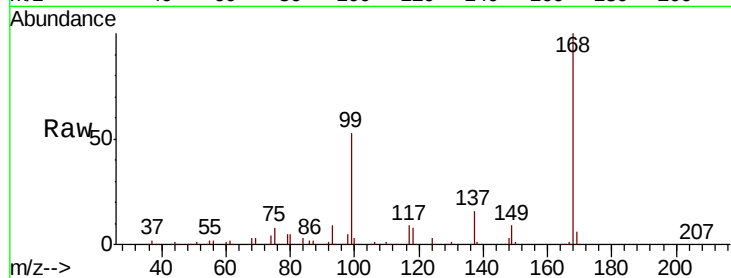




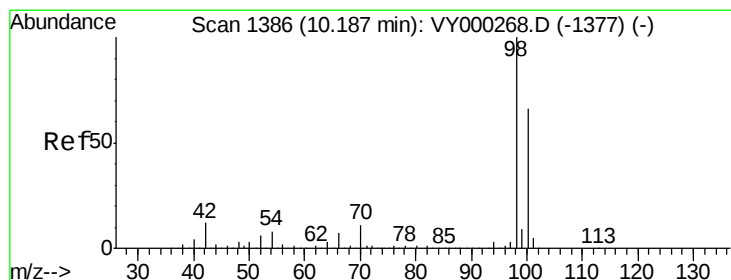
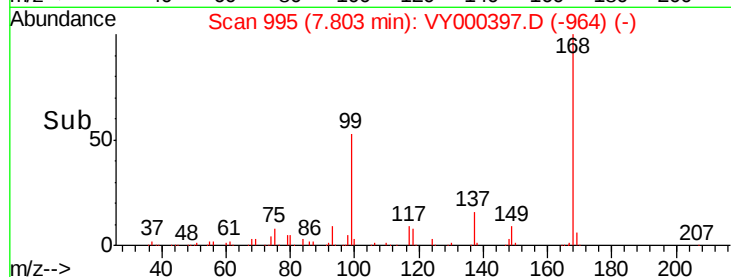
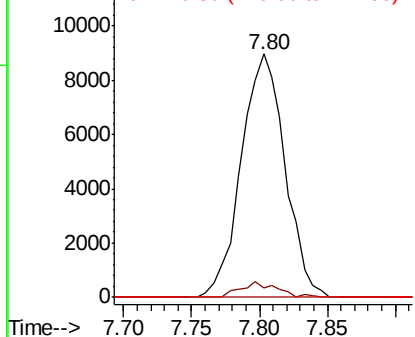
#38
Carbon Tetrachloride
Concen: 5.912 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000397.D
Acq: 23 Oct 2019 21:23

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 20149
Ion Ratio Lower Upper
117 100
119 3.7 72.8 109.2#
121 0.0 22.2 33.2#

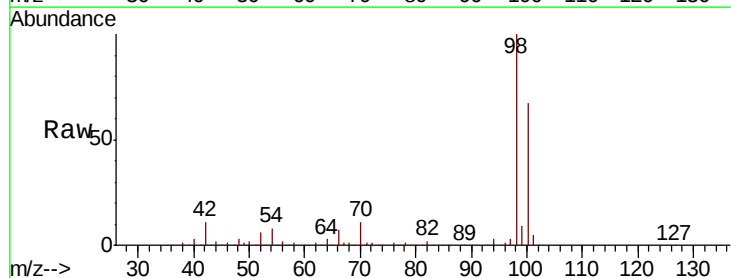


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

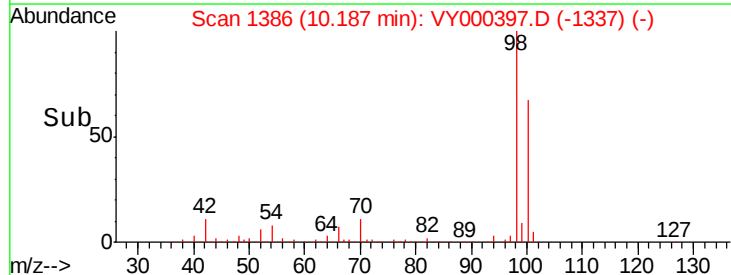
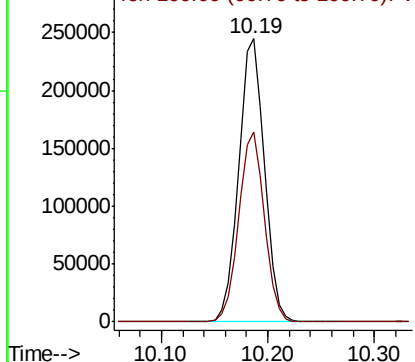


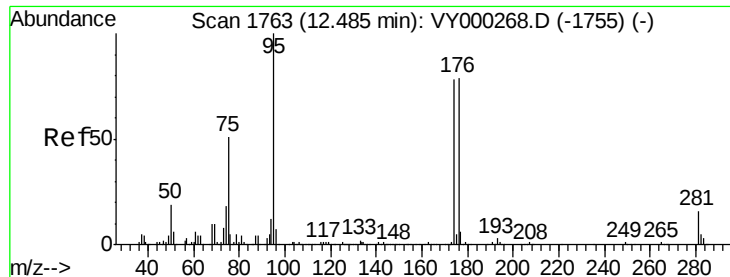
#50
Toluene-d8
Concen: 49.794 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000397.D
Acq: 23 Oct 2019 21:23

Tgt Ion: 98 Resp: 415424
Ion Ratio Lower Upper
98 100
100 66.8 52.8 79.2



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

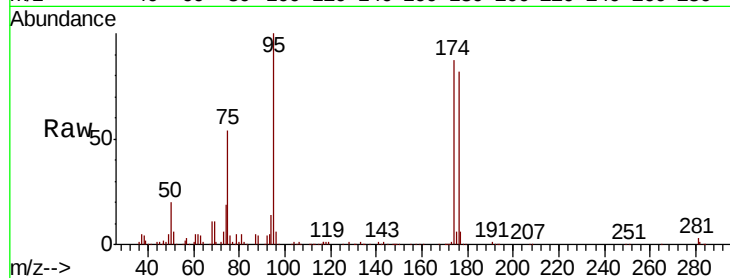




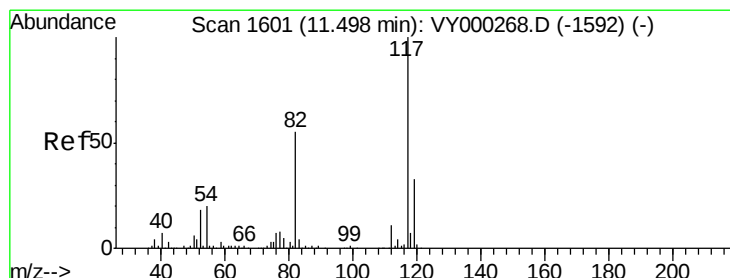
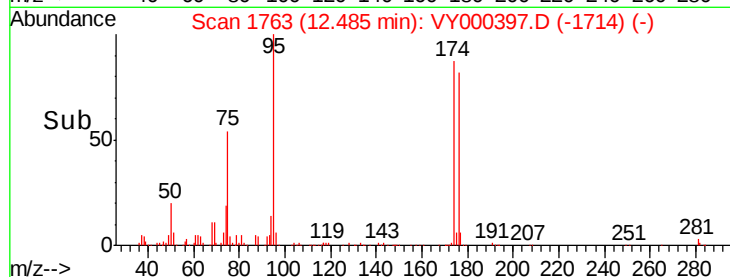
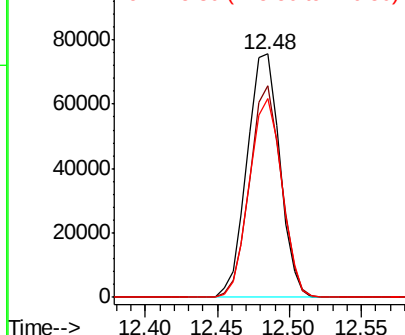
#62
4-Bromofluorobenzene
Concen: 37.504 ug/l
RT: 12.48 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY000397.D
Acq: 23 Oct 2019 21:23

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 95 Resp: 118870
Ion Ratio Lower Upper
95 100
174 84.1 0.0 159.6
176 81.5 0.0 153.8

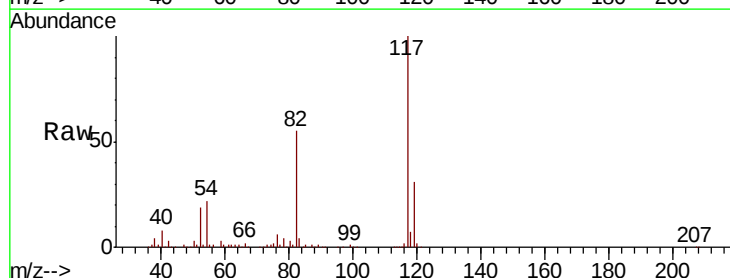


Abundance Ion 94.90 (94.60 to 95.60): VY0
Ion 173.80 (173.50 to 174.50): VY0
Ion 175.80 (175.50 to 176.50): VY0

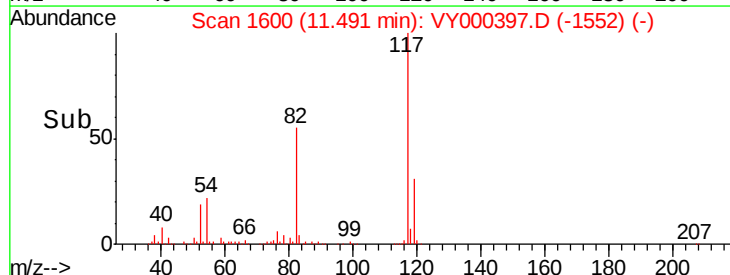
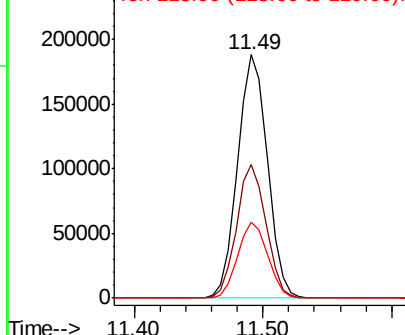


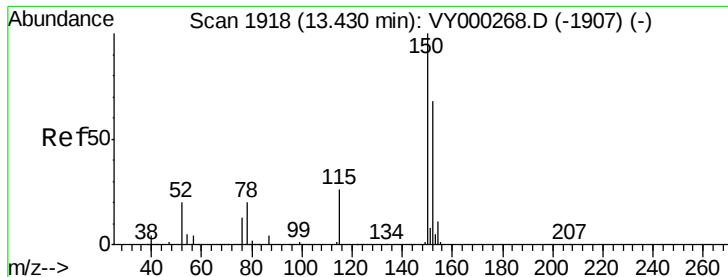
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000397.D
Acq: 23 Oct 2019 21:23

Tgt Ion: 117 Resp: 301058
Ion Ratio Lower Upper
117 100
82 54.7 43.7 65.5
119 31.4 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): VY0
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): VY0



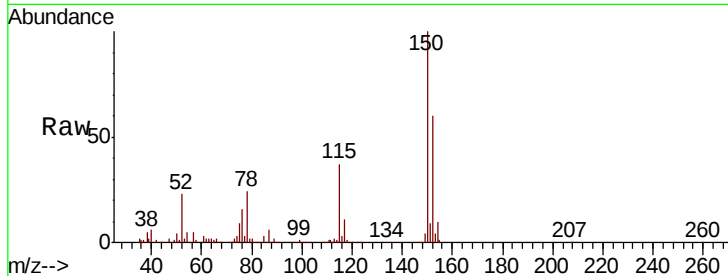


#72

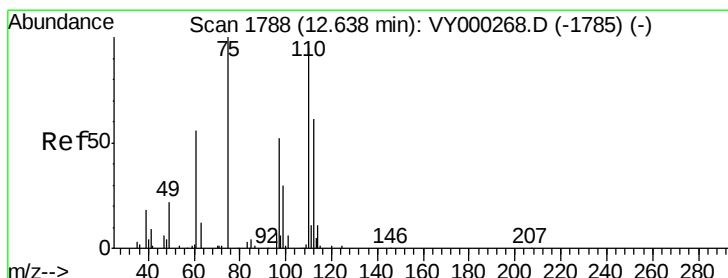
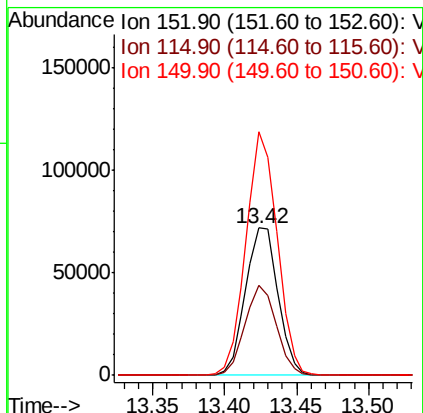
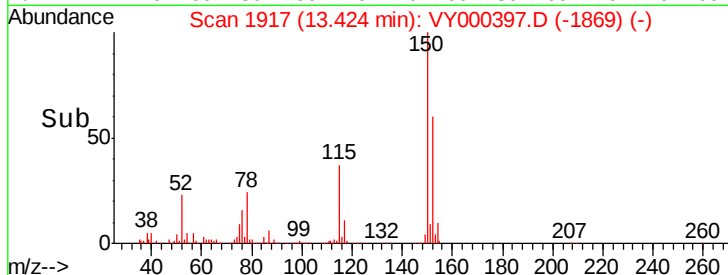
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000397.D
Acq: 23 Oct 2019 21:23

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 112444
Ion Ratio Lower Upper
152 100
115 58.6 29.3 88.0
150 158.2 0.0 348.4



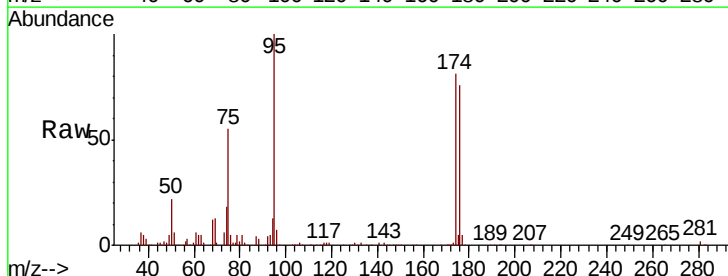
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



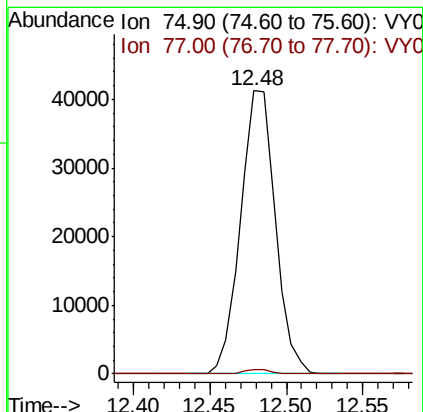
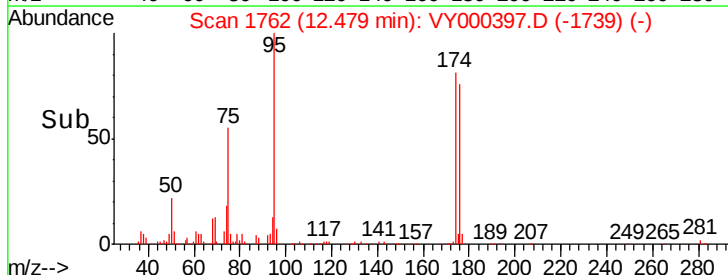
#76

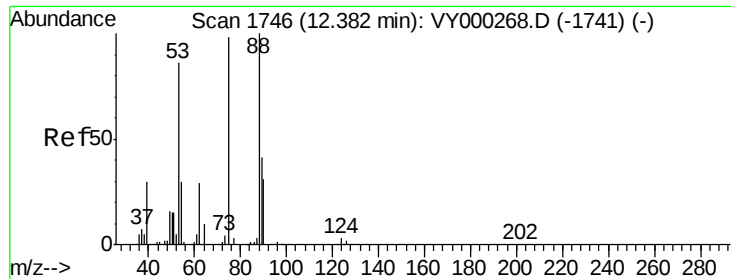
1,2,3-Trichloropropane
Concen: 47.149 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000397.D
Acq: 23 Oct 2019 21:23

Tgt Ion: 75 Resp: 65192
Ion Ratio Lower Upper
75 100
77 1.2 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: 103.160 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000397.D

Acq: 23 Oct 2019 21:23

Instrument :

MSVOA_Y

ClientSampleId :

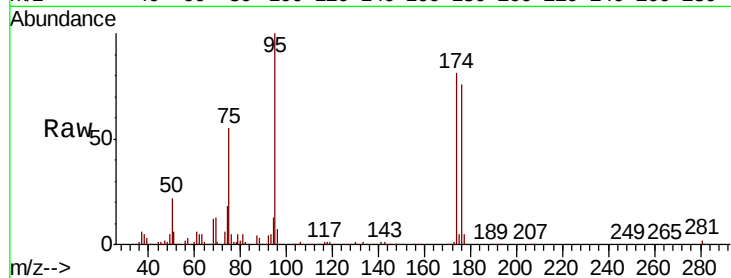
Tot Ion: 75 Resp: 65192

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.3 35.1 52.7#



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

