

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102919\
 Data File : VY000473.D
 Acq On : 29 Oct 2019 14:42
 Operator : SY/MD
 Sample : K5587-10
 Misc : 4.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

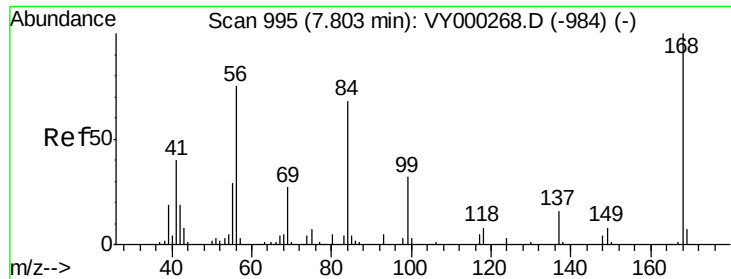
Quant Time: Oct 30 07:18:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	181011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	307451	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	246247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	80129	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	108686	56.92	ug/l	0.00
Spiked Amount			Recovery	=	113.84%	
35) Dibromofluoromethane	7.73	113	93840	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
50) Toluene-d8	10.18	98	345346	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	12.48	95	87687	32.35	ug/l	0.00
Spiked Amount			Recovery	=	64.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	217	1.266	ug/l #	78
11) Tert butyl alcohol	4.97	59	1386	6.936	ug/l #	89
16) Acetone	3.96	43	678	1.096	ug/l #	42
20) Methylene Chloride	4.73	84	1896	Below Cal	#	83
31) Cyclohexane	7.80	56	4599	1.259	ug/l #	10
36) 1,1-Dichloropropene	7.80	75	13885	4.613	ug/l #	45
38) Carbon Tetrachloride	7.80	117	17421	5.977	ug/l #	18
51) 4-Methyl-2-Pentanone	10.19	43	1900	1.087	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	48058	48.774	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	48058	106.716	ug/l #	14

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000473.D

Acq: 29 Oct 2019 14:42

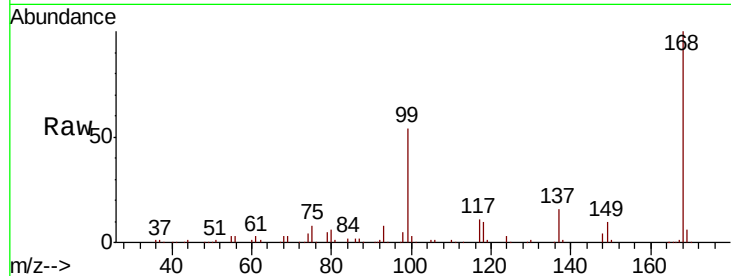
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 181011

Ion Ratio Lower Upper

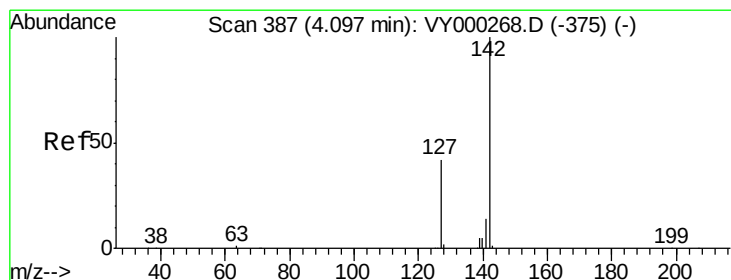
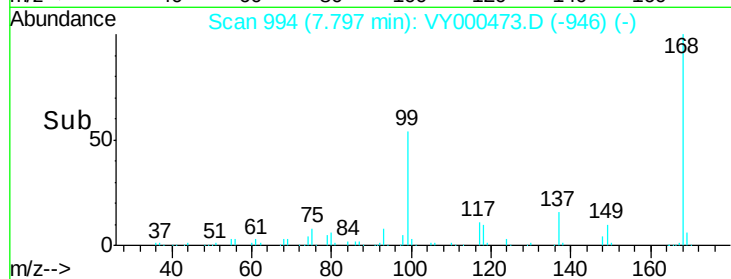
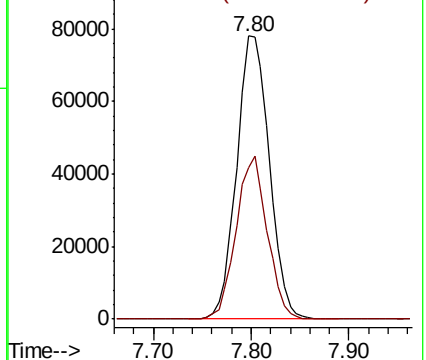
168 100

99 53.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 1.266 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000473.D

Acq: 29 Oct 2019 14:42

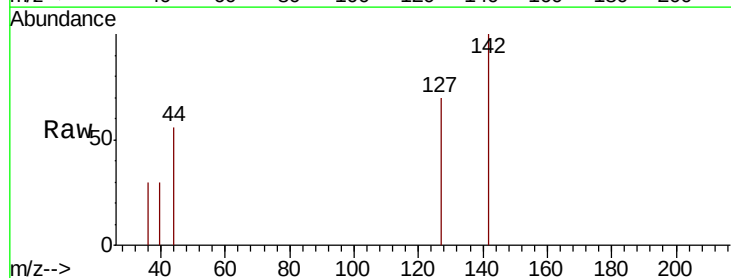
Tgt Ion:142 Resp: 217

Ion Ratio Lower Upper

142 100

127 53.9 33.9 50.9#

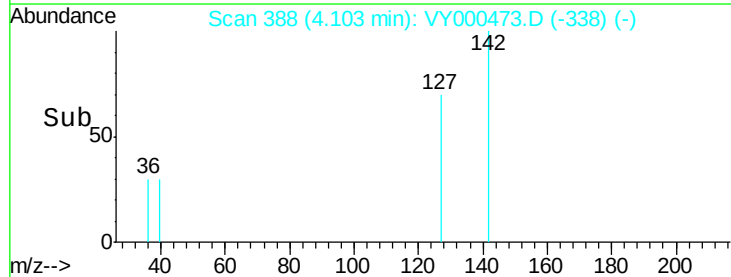
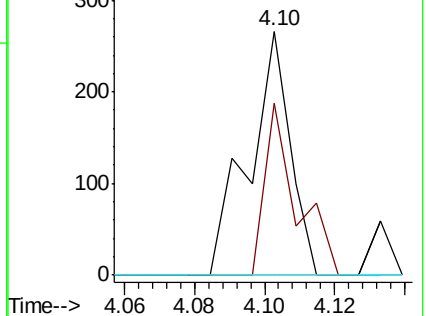
141 0.0 11.2 16.8#

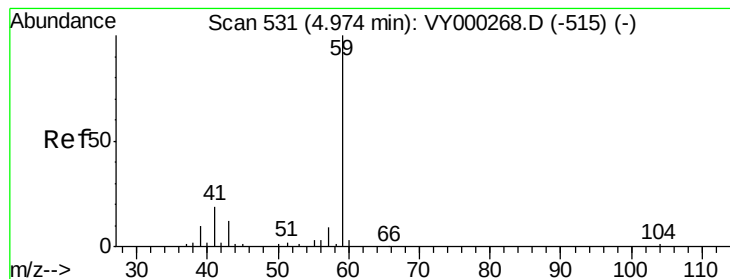


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



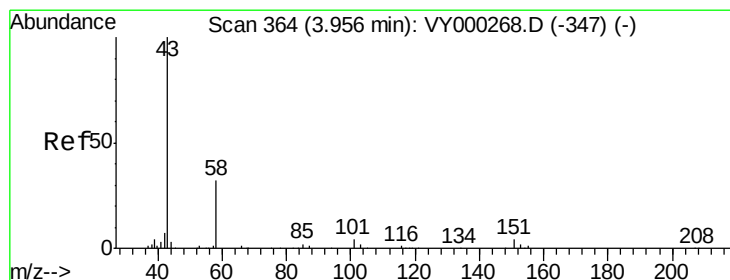
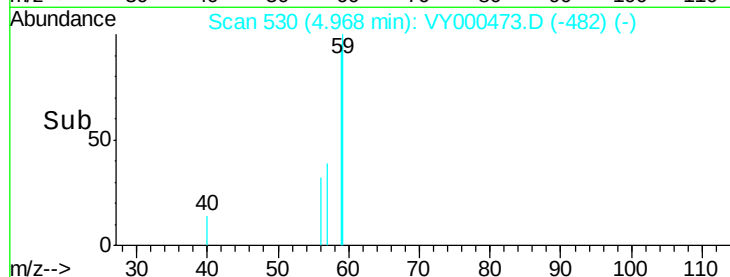
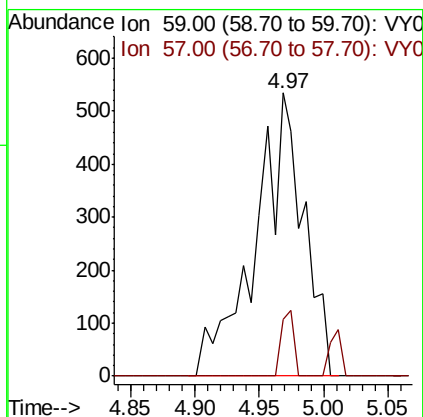
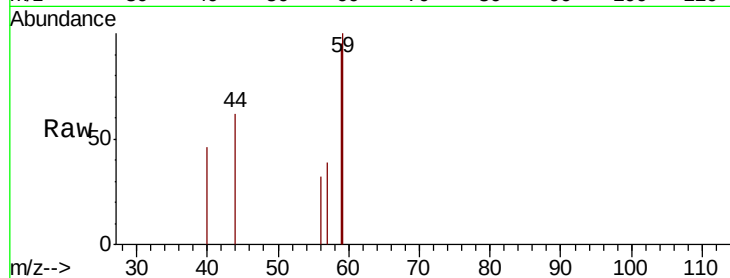


#11

Tert butyl alcohol
 Concen: 6.936 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY000473.D
 Acq: 29 Oct 2019 14:42

Instrument :
 MSVOA_Y
 ClientSampled :

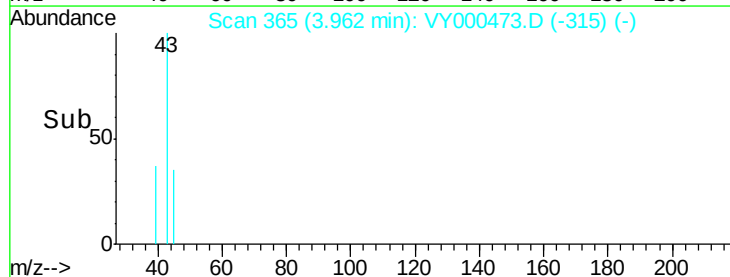
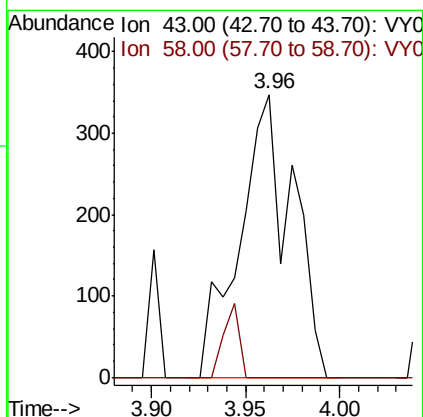
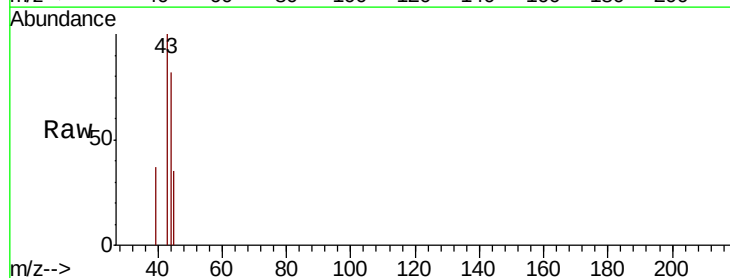
Tot Ion: 59 Resp: 1386
 Ion Ratio Lower Upper
 59 100
 57 6.1 8.2 12.2#

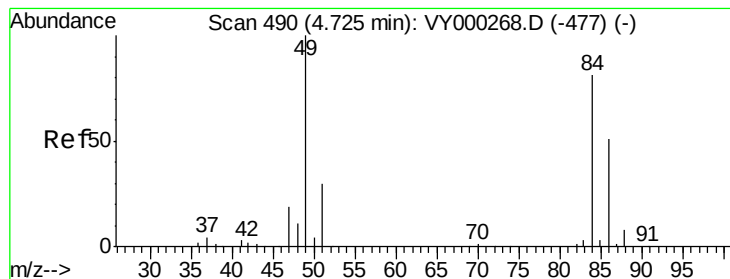


#16

Acetone
 Concen: 1.096 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY000473.D
 Acq: 29 Oct 2019 14:42

Tgt Ion: 43 Resp: 678
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.8 38.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.73 min Scan# 491

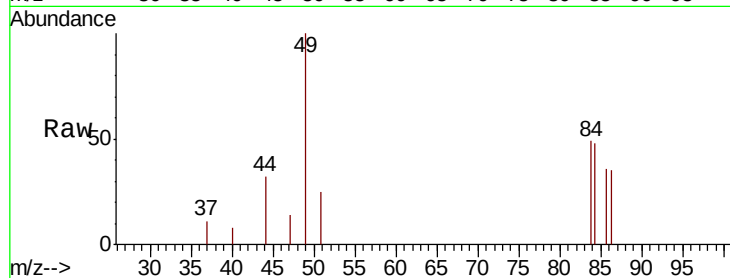
Delta R.T. 0.01 min

Lab File: VY000473.D

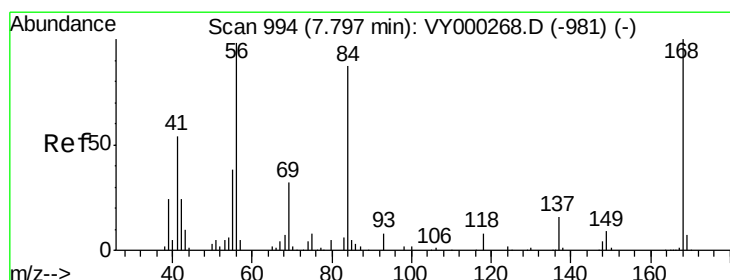
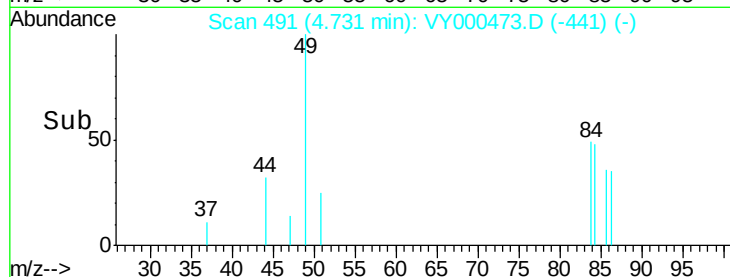
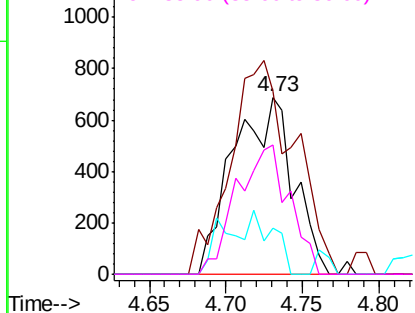
Acq: 29 Oct 2019 14:42

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	84	Resp:	1896
Ion	Ratio	Lower	Upper
84	100		
49	103.2	99.0	148.4
51	25.7	29.3	43.9#
86	73.2	50.2	75.4



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



#31

Cyclohexane

Concen: 1.259 ug/l

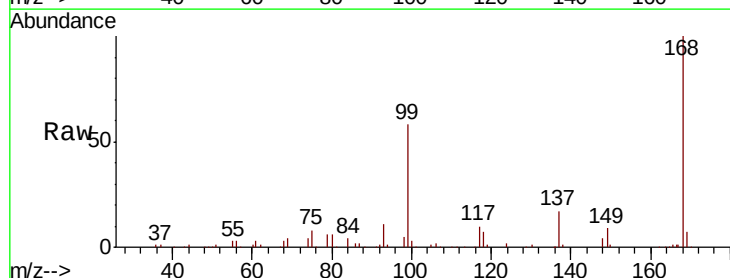
RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

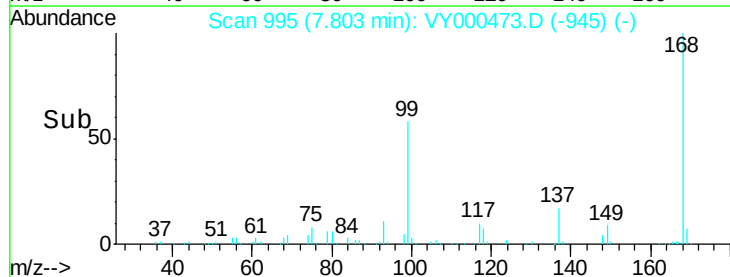
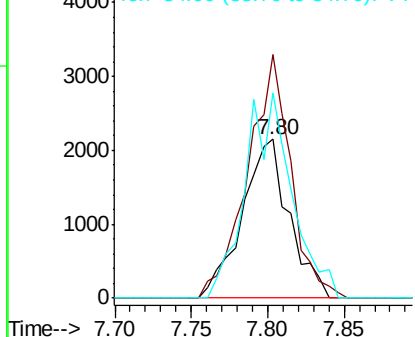
Lab File: VY000473.D

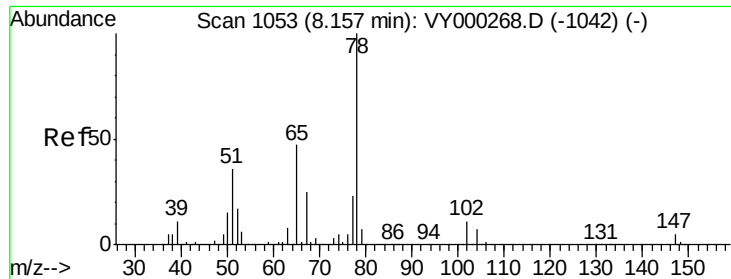
Acq: 29 Oct 2019 14:42

Tgt Ion:	56	Resp:	4599
Ion	Ratio	Lower	Upper
56	100		
69	153.5	26.3	39.5#
84	129.5	70.8	106.2#



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

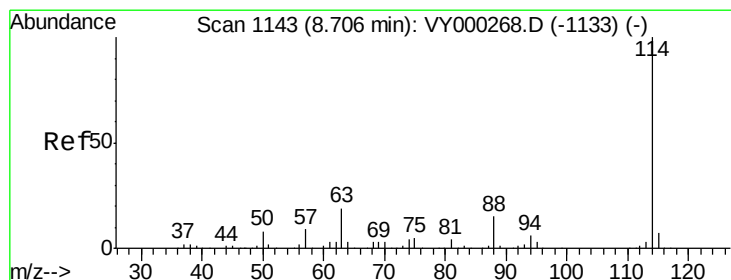
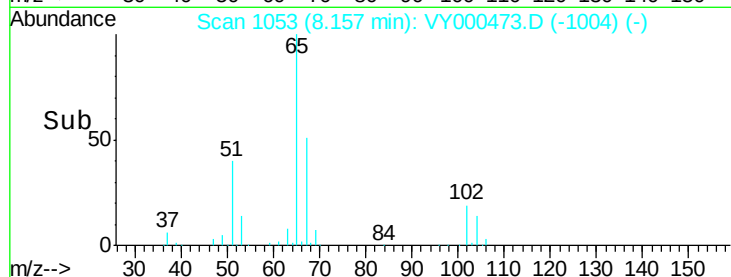
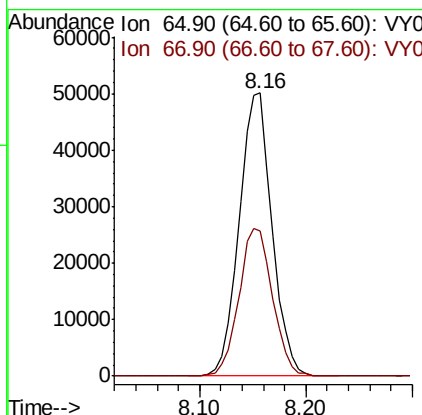
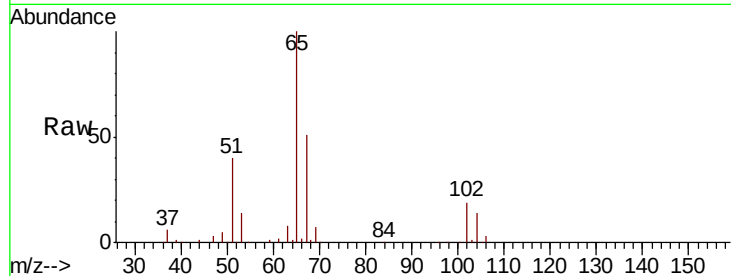




#33
 1,2-Dichloroethane-d4
 Concen: 56.922 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VY000473.D
 Acq: 29 Oct 2019 14:42

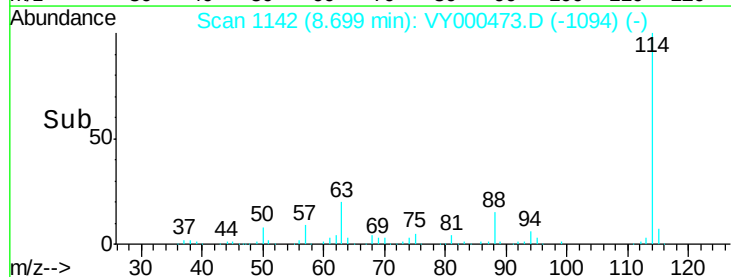
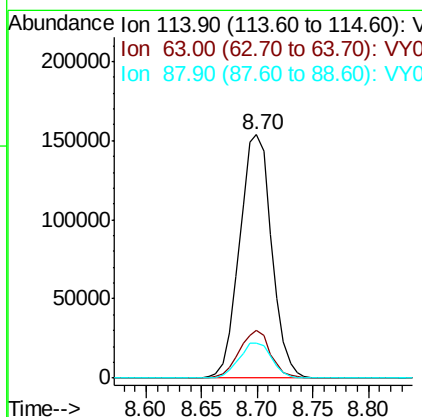
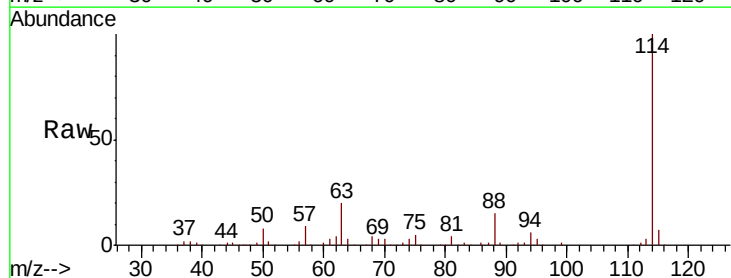
Instrument :
 MSVOA_Y
 ClientSampleId :

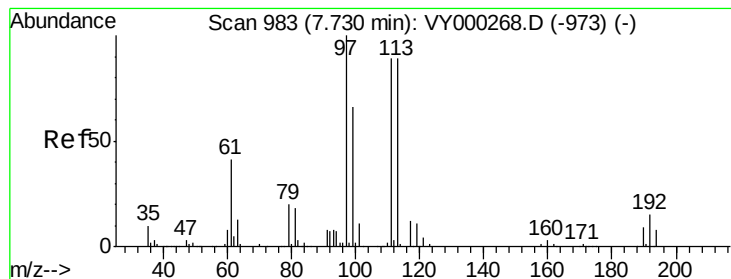
Tot Ion: 65 Resp: 108686
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000473.D
 Acq: 29 Oct 2019 14:42

Tgt Ion: 114 Resp: 307451
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 37.2
 88 14.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.599 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000473.D

Acq: 29 Oct 2019 14:42

Instrument :

MSVOA_Y

ClientSampled :

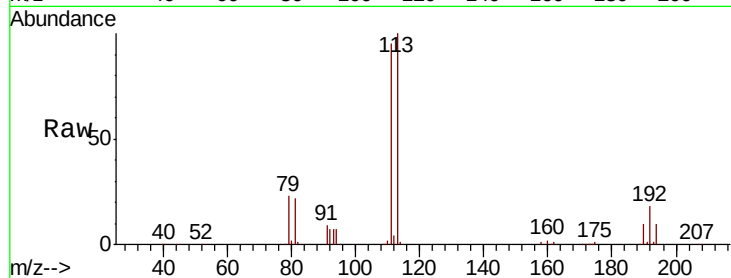
Tot Ion:113 Resp: 93840

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

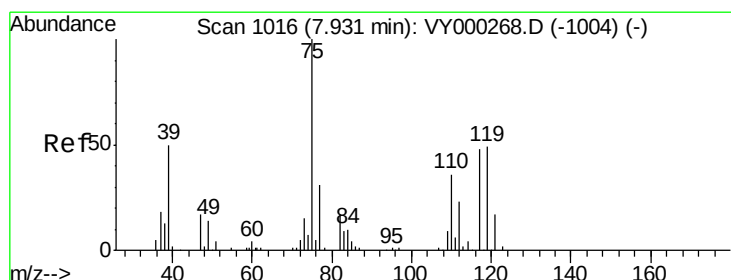
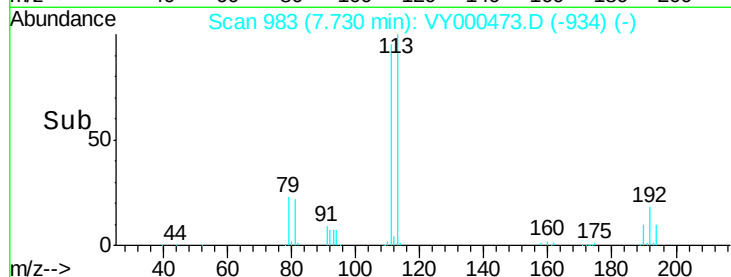
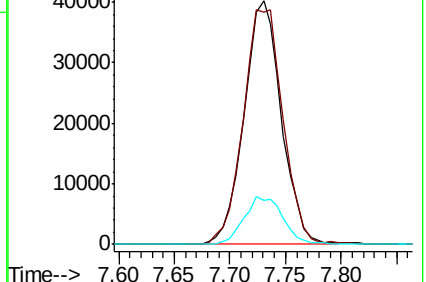
192 20.2 15.3 22.9



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: 4.613 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY000473.D

Acq: 29 Oct 2019 14:42

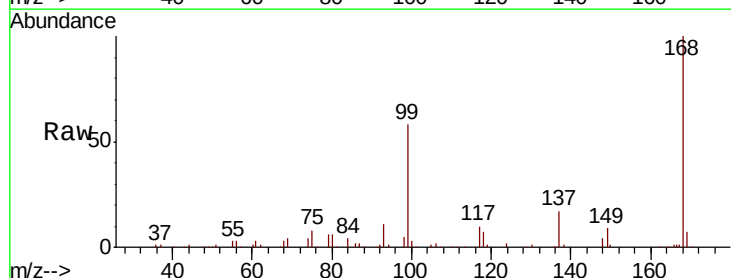
Tgt Ion: 75 Resp: 13885

Ion Ratio Lower Upper

75 100

110 5.2 18.4 55.4#

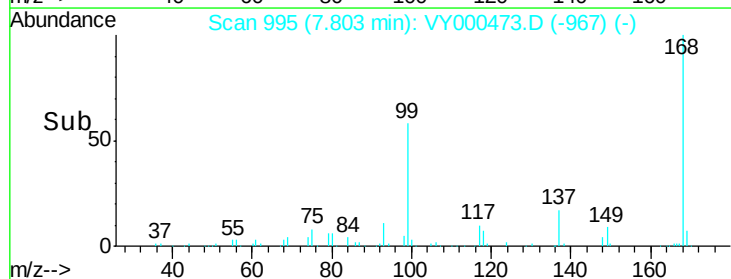
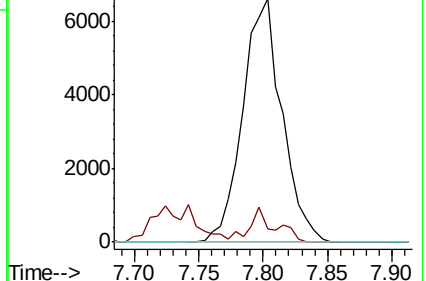
77 0.0 25.0 37.6#

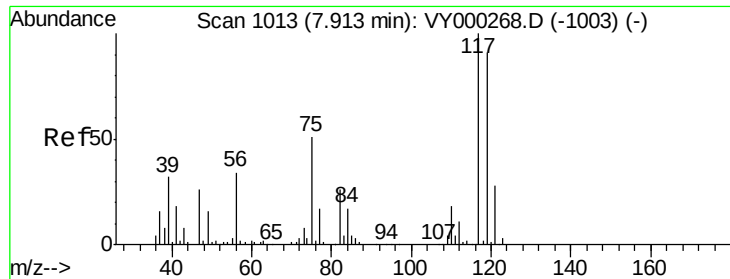


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.977 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000473.D

Acq: 29 Oct 2019 14:42

Instrument :

MSVOA_Y

ClientSampled :

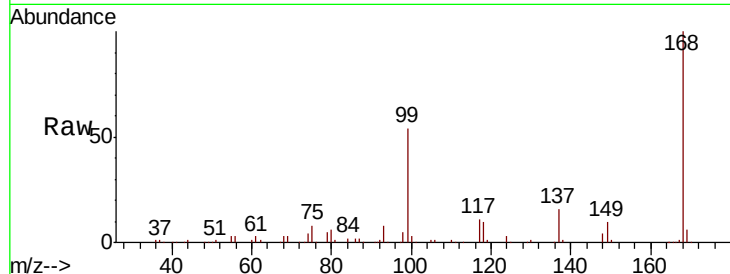
Tot Ion:117 Resp: 17421

Ion Ratio Lower Upper

117 100

119 4.8 72.8 109.2#

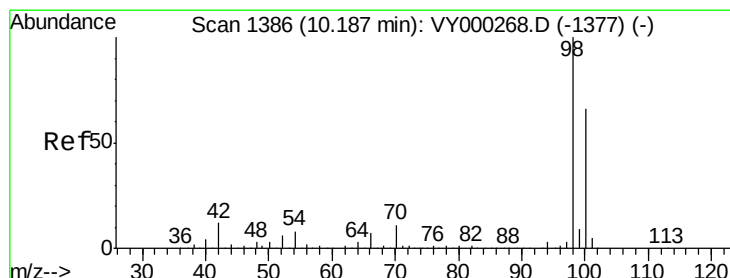
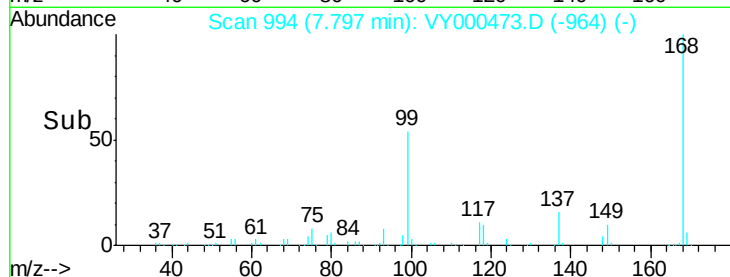
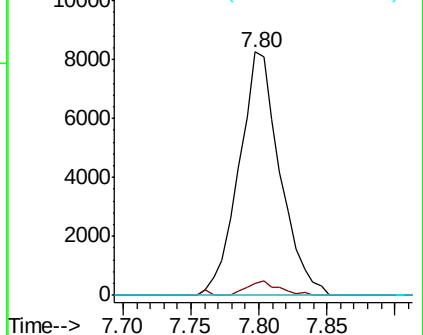
121 0.0 22.2 33.2#



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: 48.408 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000473.D

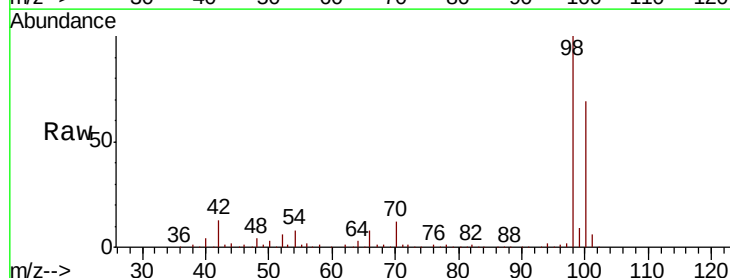
Acq: 29 Oct 2019 14:42

Tgt Ion: 98 Resp: 345346

Ion Ratio Lower Upper

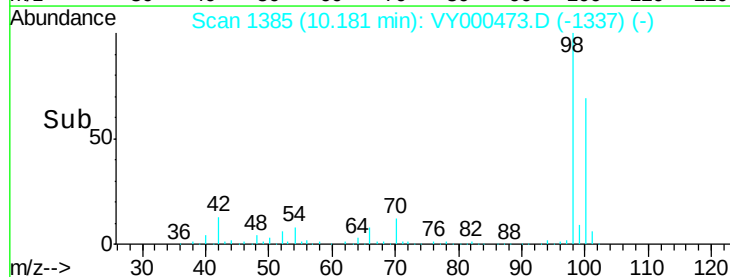
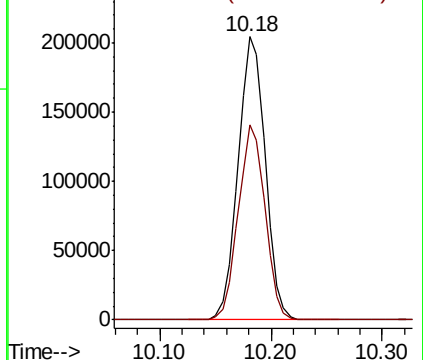
98 100

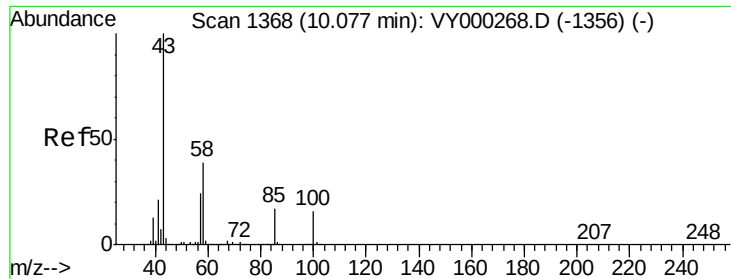
100 68.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.087 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.11 min

Lab File: VY000473.D

Acq: 29 Oct 2019 14:42

Instrument :

MSVOA_Y

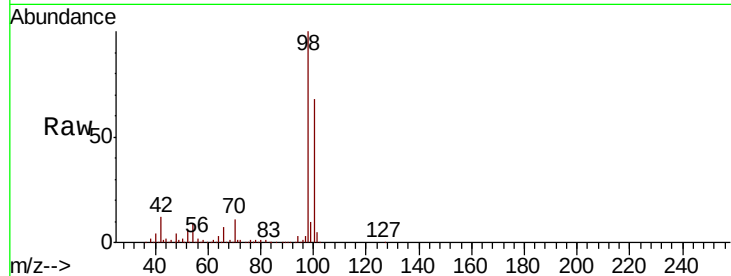
ClientSampleId :

Tot Ion: 43 Resp: 1900

Ion Ratio Lower Upper

43 100

58 176.9 31.0 46.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

2000

1500

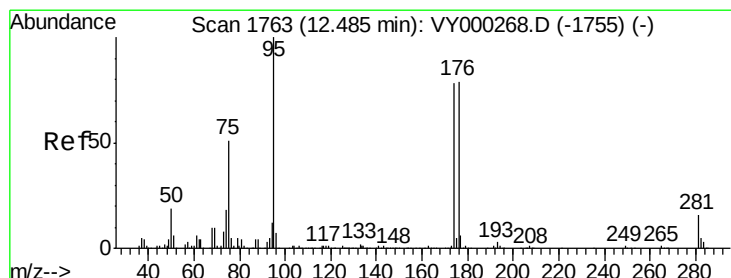
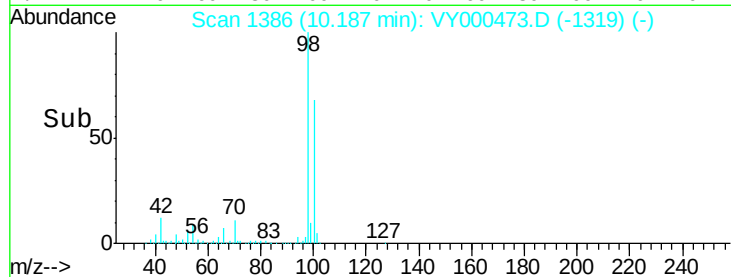
1000

500

0

10.10 10.15 10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 32.353 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000473.D

Acq: 29 Oct 2019 14:42

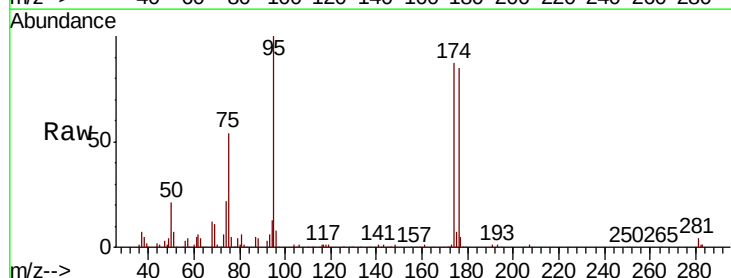
Tgt Ion: 95 Resp: 87687

Ion Ratio Lower Upper

95 100

174 85.9 0.0 159.6

176 83.1 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

60000

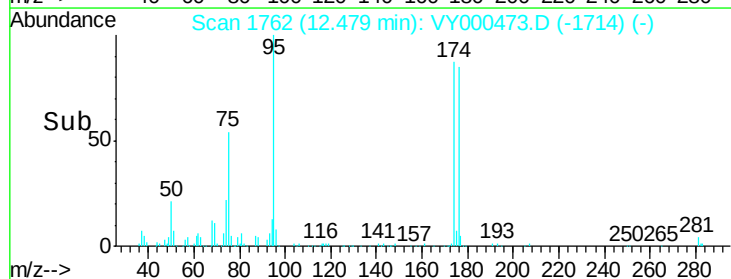
40000

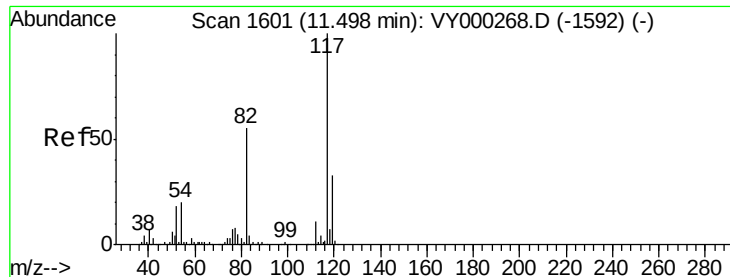
20000

0

12.40 12.45 12.50 12.55

Time-->

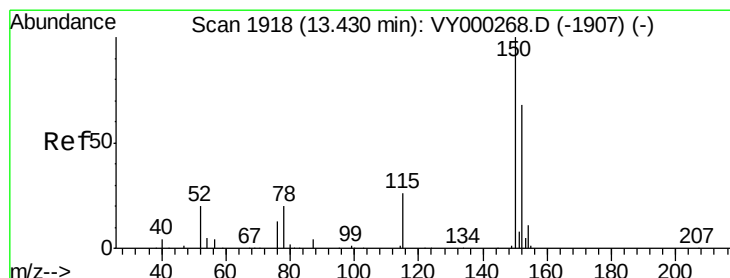
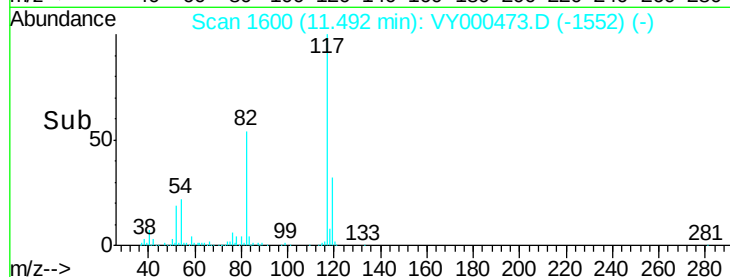
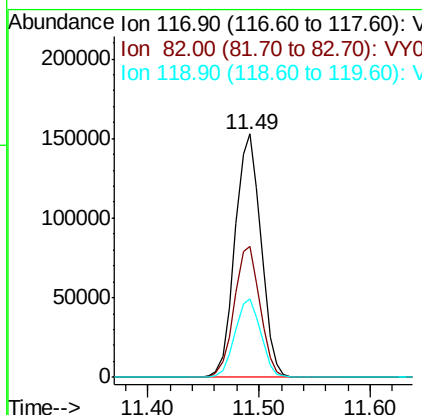
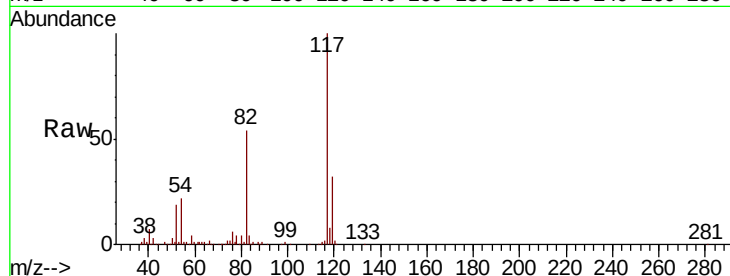




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000473.D
Acq: 29 Oct 2019 14:42

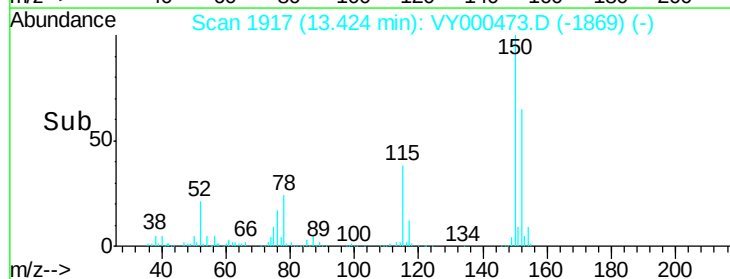
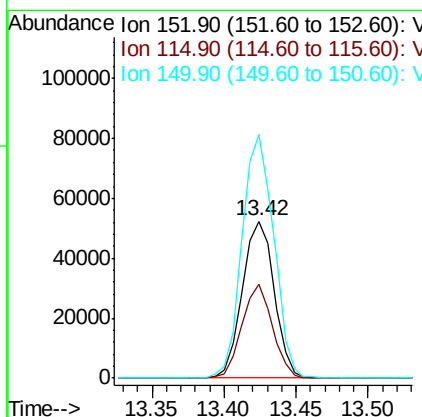
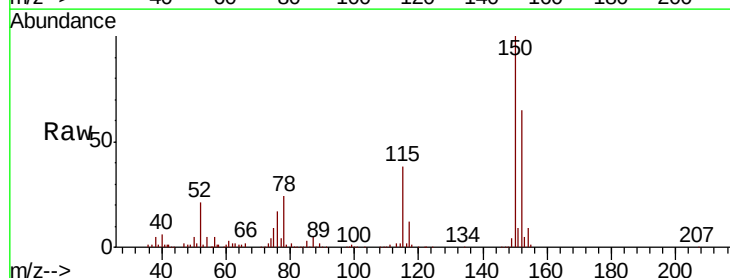
Instrument :
MSVOA_Y
ClientSampleId :

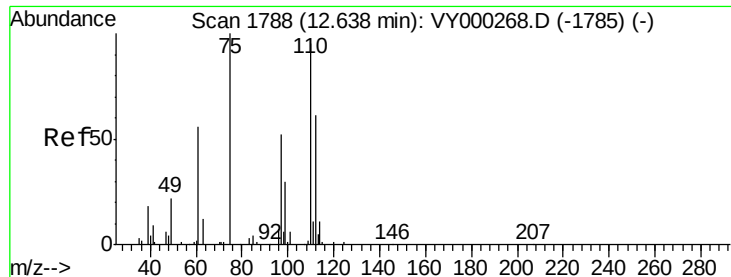
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.7	65.5
119	32.2	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000473.D
Acq: 29 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	29.3	88.0
150	154.2	0.0	348.4





#76

1,2,3-Trichloropropane

Concen: 48.774 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000473.D

Acq: 29 Oct 2019 14:42

Instrument :

MSVOA_Y

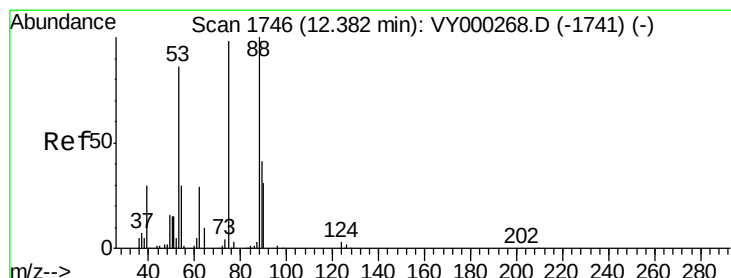
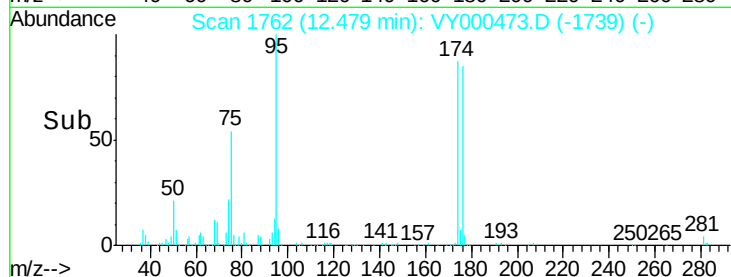
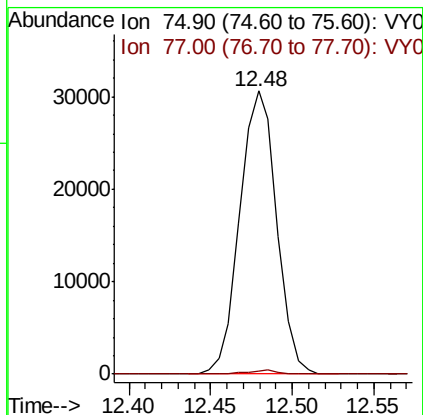
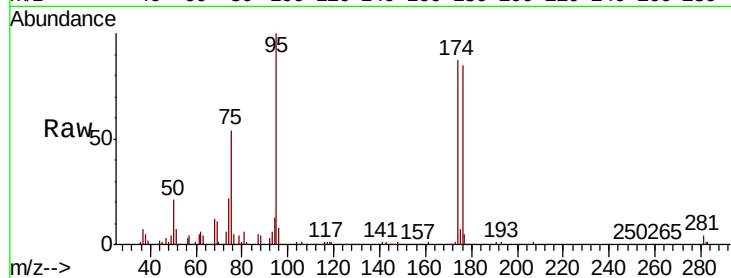
ClientSampleId :

Tot Ion: 75 Resp: 48058

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 106.716 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000473.D

Acq: 29 Oct 2019 14:42

Tgt Ion: 75 Resp: 48058

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 35.1 52.7#

