

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102419\
 Data File : VY000403.D
 Acq On : 24 Oct 2019 12:35
 Operator : SY/MD
 Sample : VY1024SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 25 06:37:00 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	240170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	401225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	350041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	151892	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	135673	53.55	ug/l	0.00
Spiked Amount			Recovery	=	107.10%	
35) Dibromofluoromethane	7.73	113	118473	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	10.18	98	466621	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.48	95	150519	42.56	ug/l	0.00
Spiked Amount			Recovery	=	85.12%	

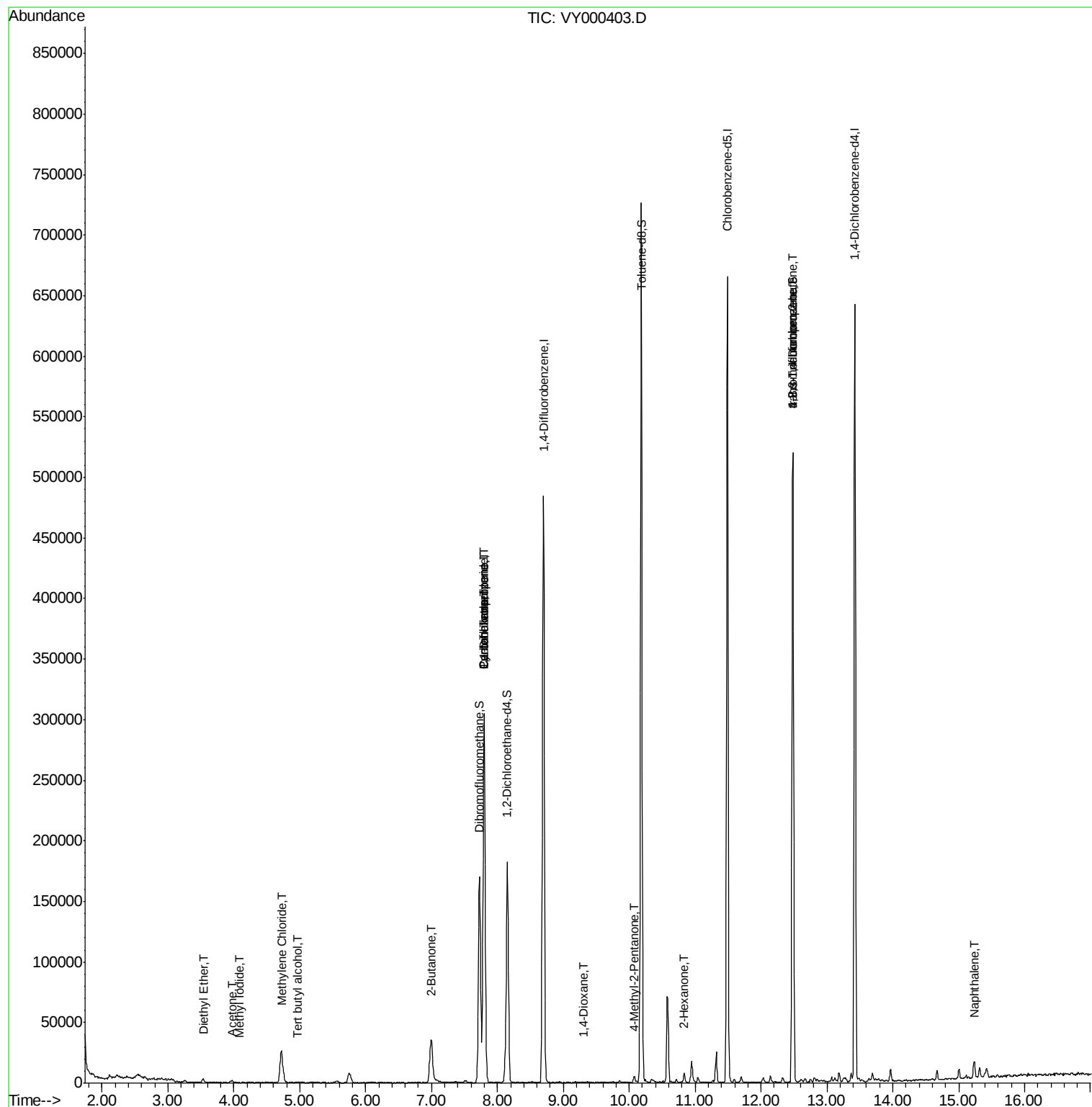
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.89	85	38	Below Cal	#	41
8) Diethyl Ether	3.54	74	1595	1.114	ug/l	86
10) Methyl Iodide	4.08	142	31	1.195	ug/l #	1
11) Tert butyl alcohol	4.97	59	554	2.090	ug/l #	82
16) Acetone	3.97	43	3162	3.854	ug/l	98
20) Methylene Chloride	4.72	84	19914	1.983	ug/l #	88
25) 2-Butanone	7.00	43	3149	2.725	ug/l #	76
31) Cyclohexane	7.80	56	5710	1.178	ug/l #	10
36) 1,1-Dichloropropene	7.80	75	19150	4.875	ug/l #	48
38) Carbon Tetrachloride	7.80	117	23205	6.101	ug/l #	20
49) 1,4-Dioxane	9.30	88	78	3.340	ug/l #	19
51) 4-Methyl-2-Pentanone	10.08	43	3343	1.466	ug/l	100
59) 2-Hexanone	10.84	43	4976	3.108	ug/l	98
76) 1,2,3-Trichloropropane	12.48	75	80600	43.153	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	80600	94.418	ug/l #	14
95) Naphthalene	15.23	128	10170	1.393	ug/l #	89

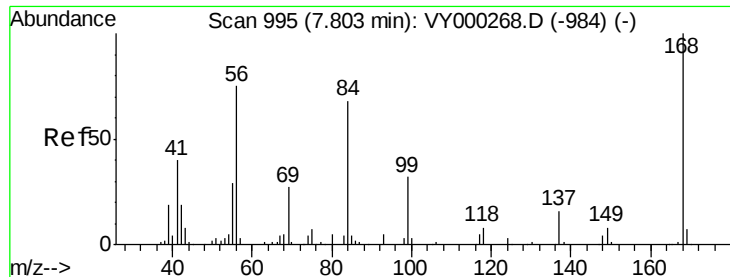
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000403.D

Acq: 24 Oct 2019 12:35

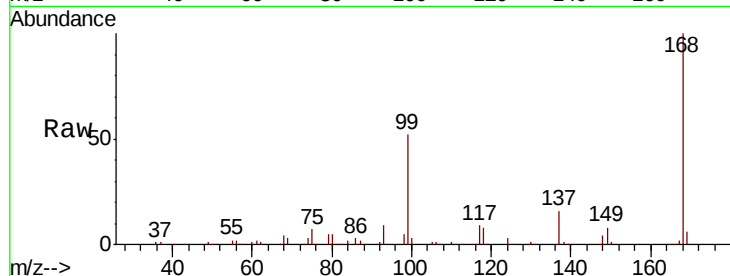
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 240170

Ion Ratio Lower Upper

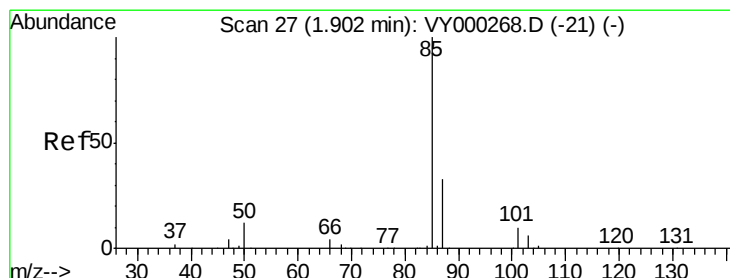
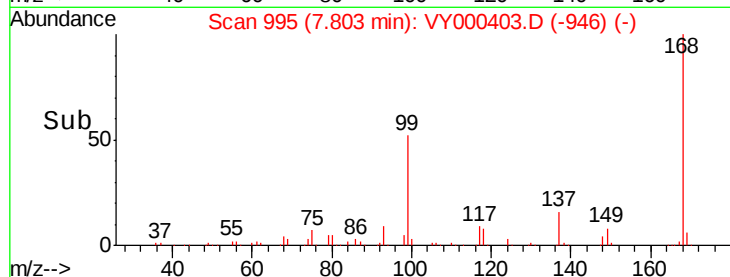
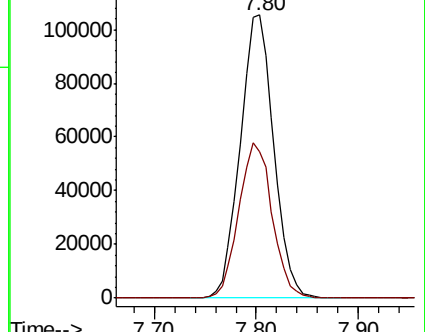
168 100

99 51.6 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) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.89 min Scan# 25

Delta R.T. -0.01 min

Lab File: VY000403.D

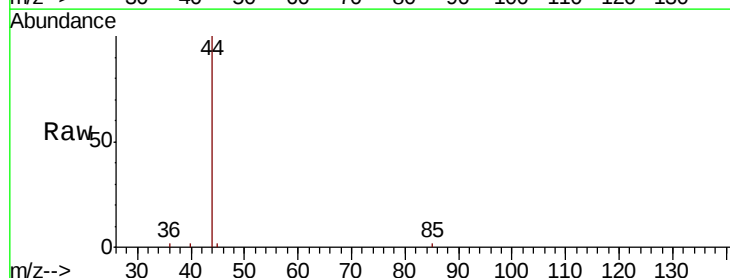
Acq: 24 Oct 2019 12:35

Tgt Ion: 85 Resp: 38

Ion Ratio Lower Upper

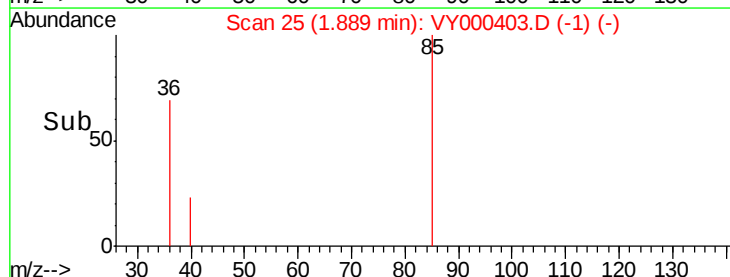
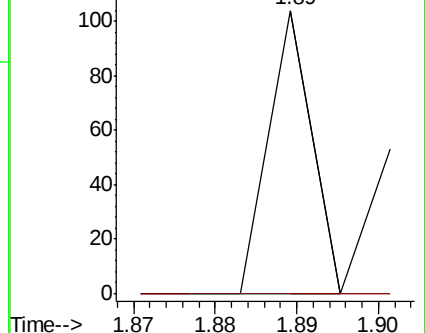
85 100

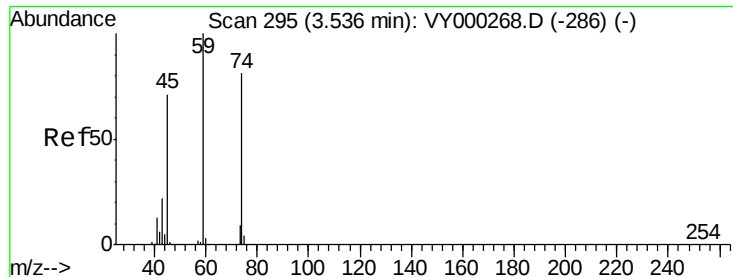
87 0.0 16.6 49.8#



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

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

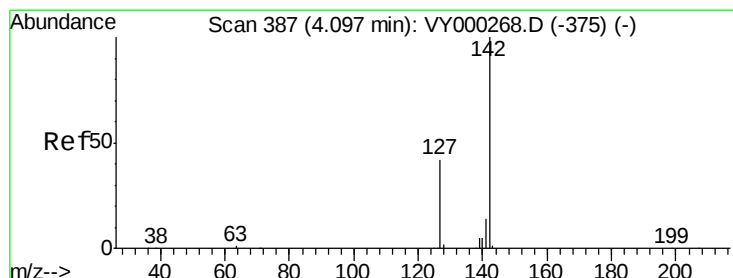
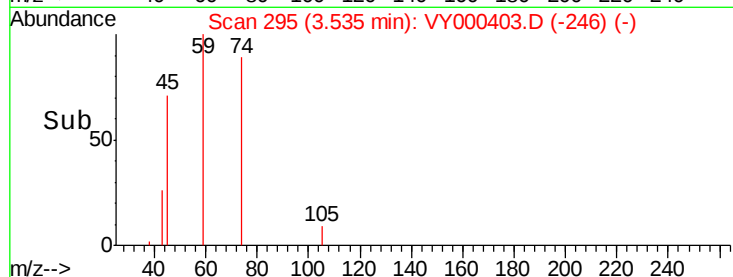
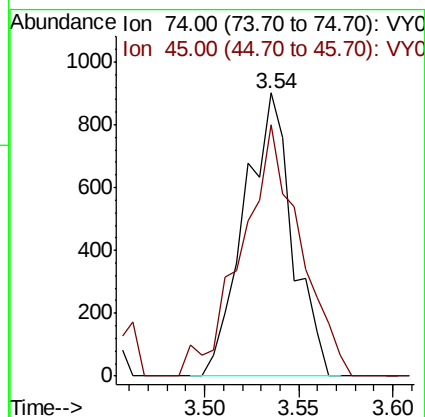
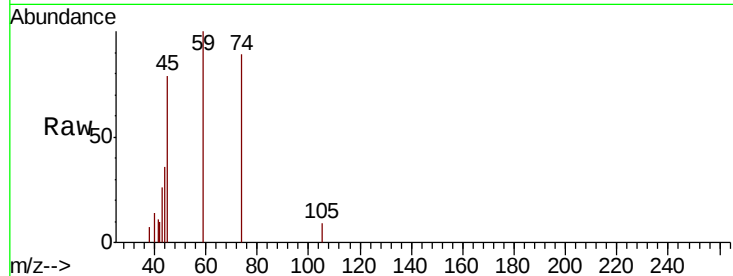




#8
Diethyl Ether
Concen: 1.114 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

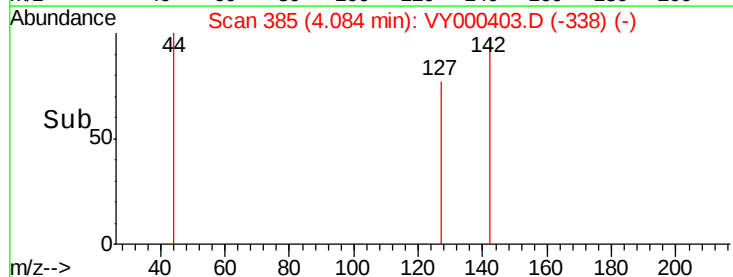
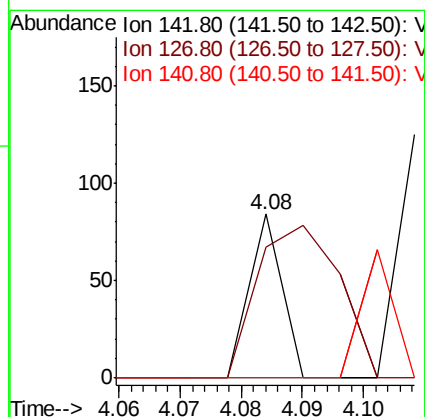
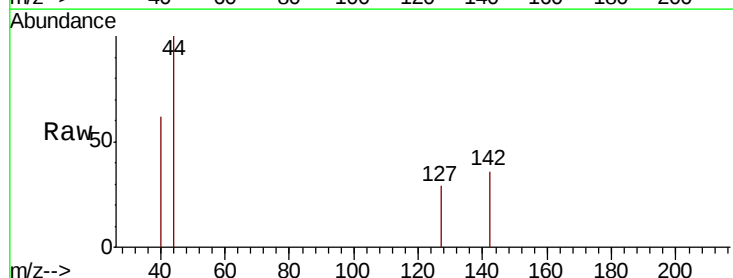
Instrument :
MSVOA_Y
ClientSampled :

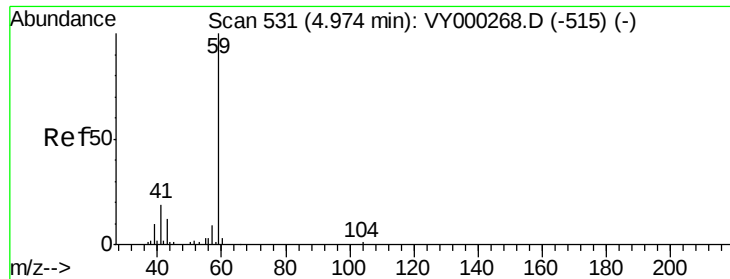
Tot Ion: 74 Resp: 1595
Ion Ratio Lower Upper
74 100
45 107.8 47.1 141.4



#10
Methyl Iodide
Concen: 1.195 ug/l
RT: 4.08 min Scan# 385
Delta R.T. -0.01 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

Tgt Ion: 142 Resp: 31
Ion Ratio Lower Upper
142 100
127 232.3 33.9 50.9#
141 0.0 11.2 16.8#

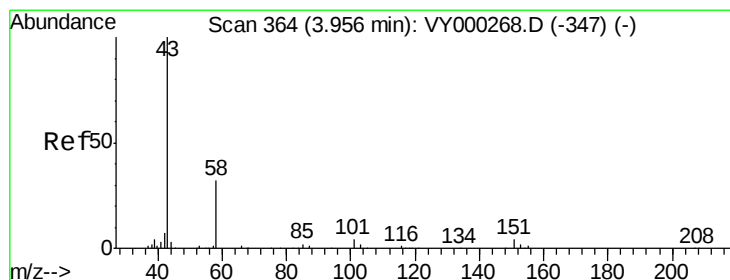
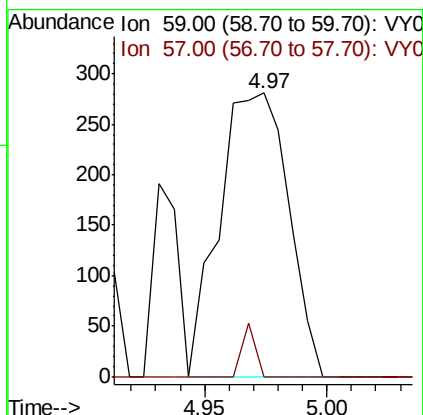
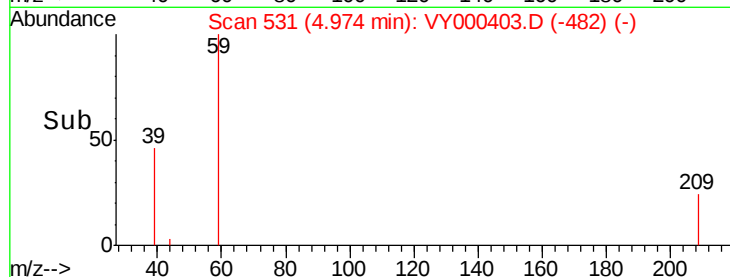
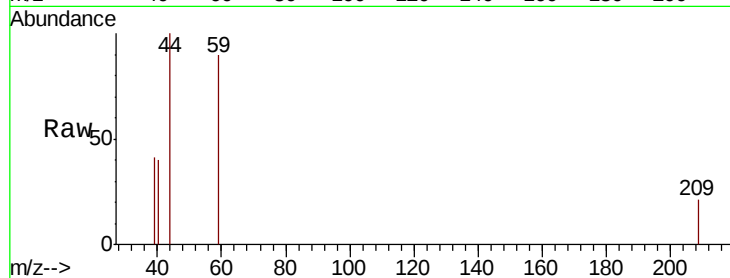




#11
Tert butyl alcohol
Concen: 2.090 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

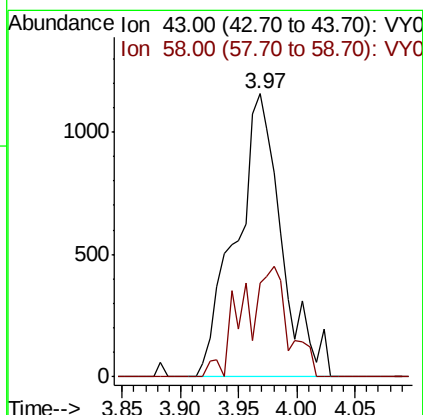
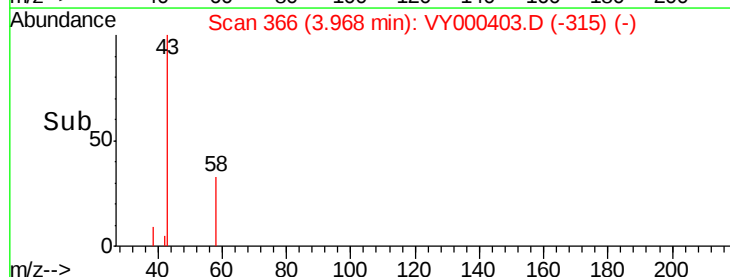
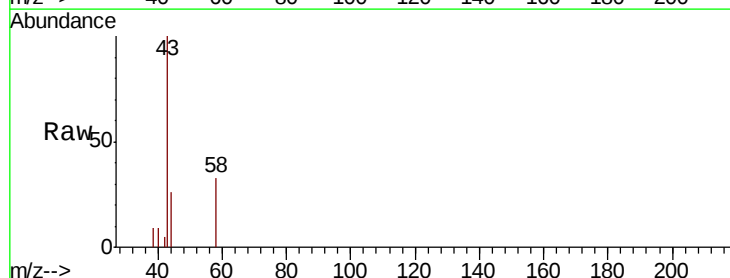
Instrument :
MSVOA_Y
ClientSampleId :

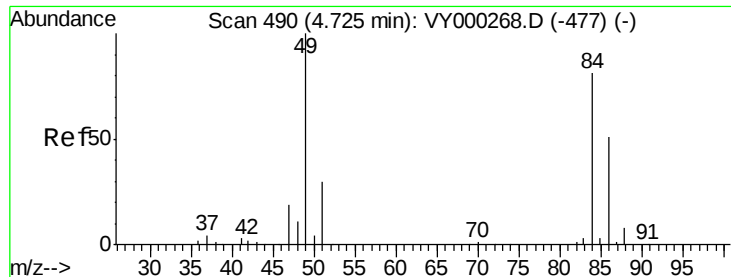
Tot Ion: 59 Resp: 554
Ion Ratio Lower Upper
59 100
57 3.4 8.2 12.2#



#16
Acetone
Concen: 3.854 ug/l
RT: 3.97 min Scan# 366
Delta R.T. 0.01 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

Tgt Ion: 43 Resp: 3162
Ion Ratio Lower Upper
43 100
58 33.1 25.8 38.6

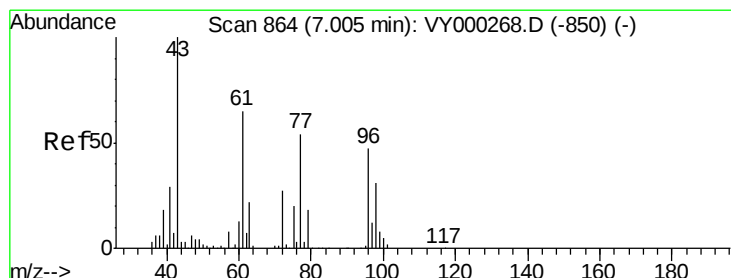
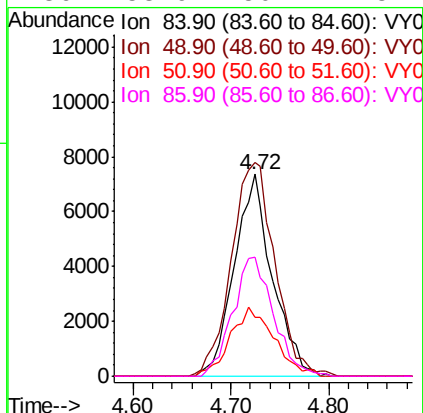
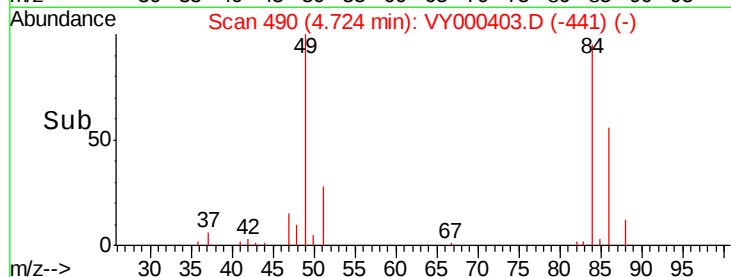
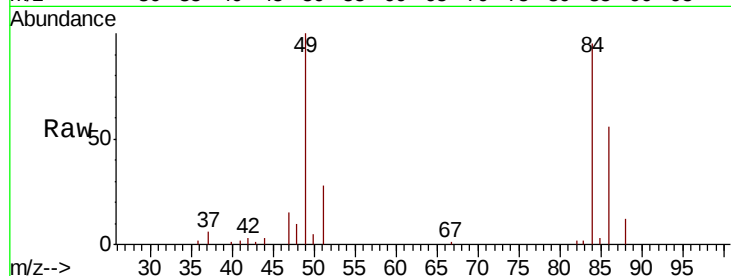




#20
Methvlene Chloride
Concen: 1.983 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

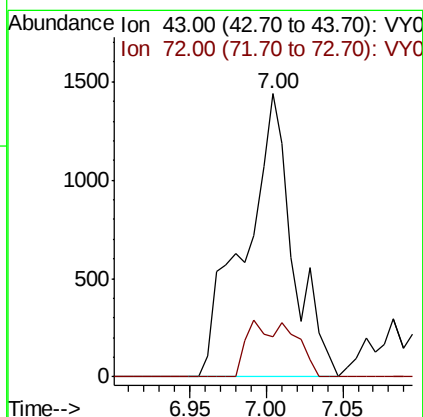
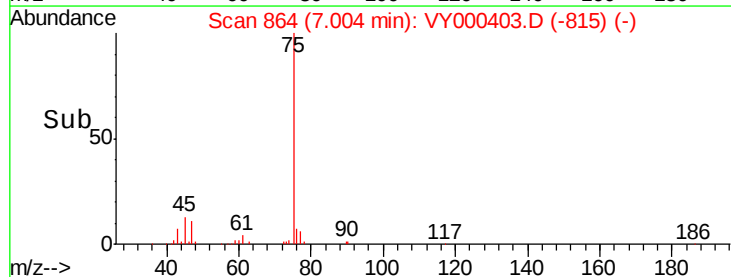
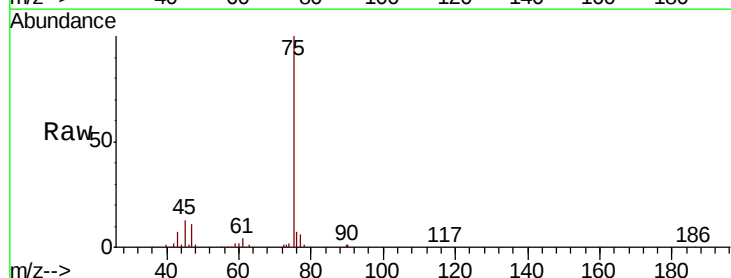
Instrument :
MSVOA_Y
ClientSampleId :

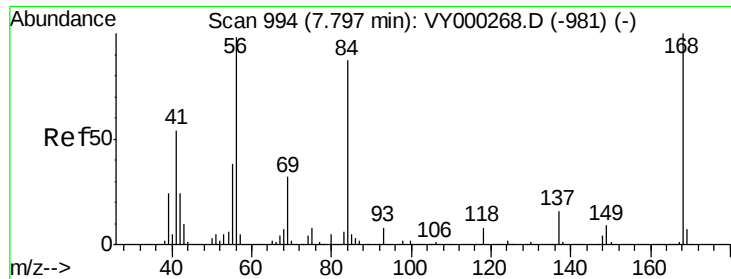
Tot Ion: 84 Resp: 19914
Ion Ratio Lower Upper
84 100
49 105.7 99.0 148.4
51 29.1 29.3 43.9#
86 58.9 50.2 75.4



#25
2-Butanone
Concen: 2.725 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

Tgt Ion: 43 Resp: 3149
Ion Ratio Lower Upper
43 100
72 14.2 21.4 32.2#

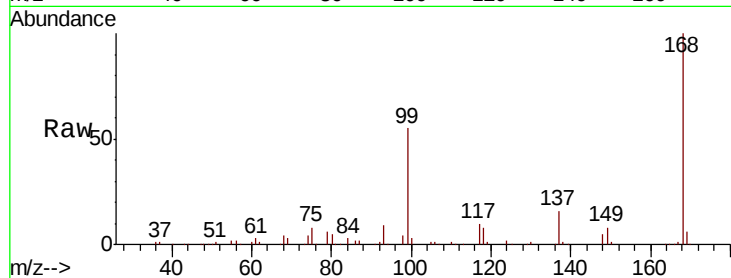




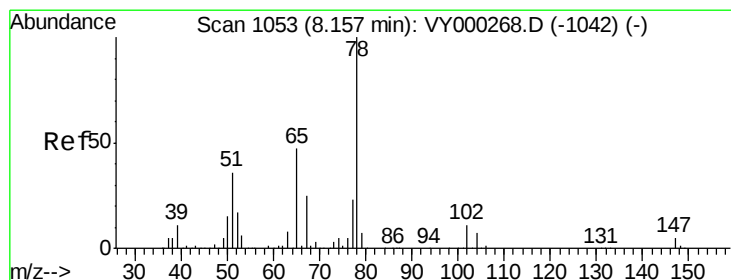
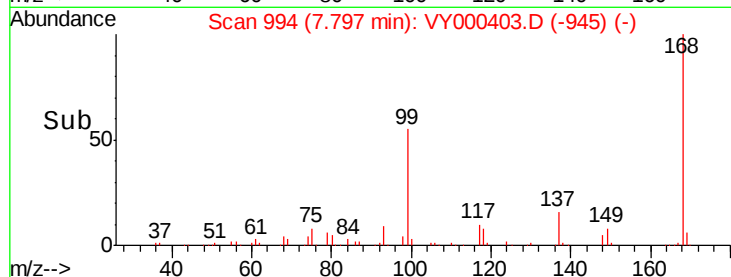
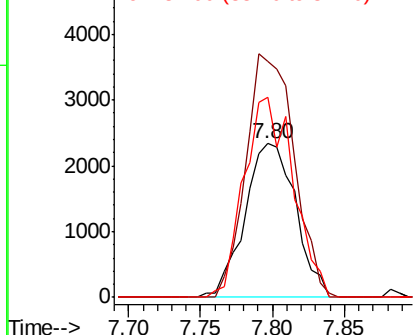
#31
Cyclohexane
Concen: 1.178 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 5710
Ion Ratio Lower Upper
56 100
69 153.5 26.3 39.5#
84 130.2 70.8 106.2#

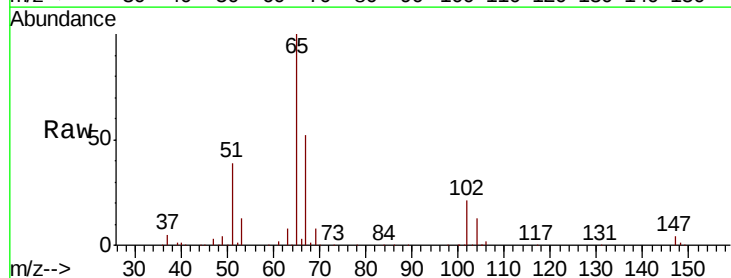


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

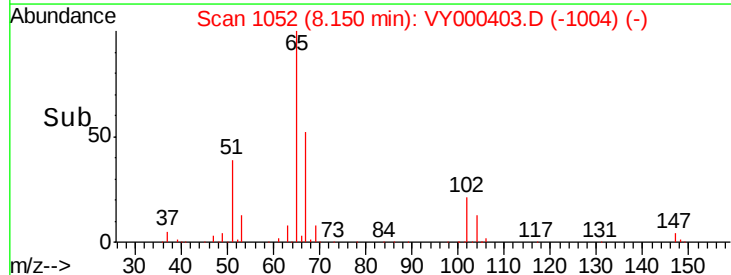
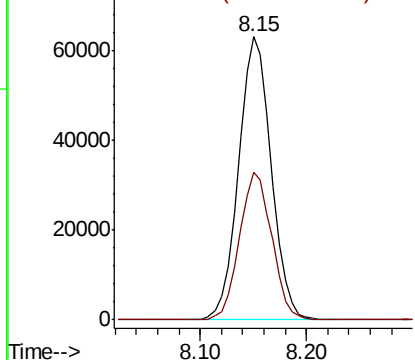


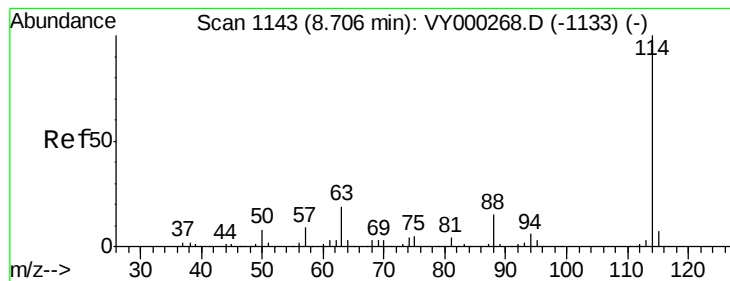
#33
1,2-Dichloroethane-d4
Concen: 53.553 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

Tgt Ion: 65 Resp: 135673
Ion Ratio Lower Upper
65 100
67 51.7 0.0 109.4



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: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000403.D

Acq: 24 Oct 2019 12:35

Instrument :
MSVOA_Y
ClientSampleId :

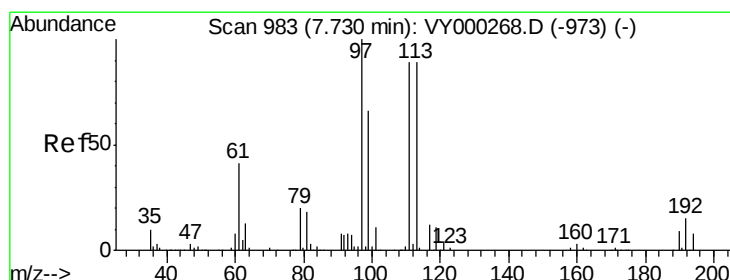
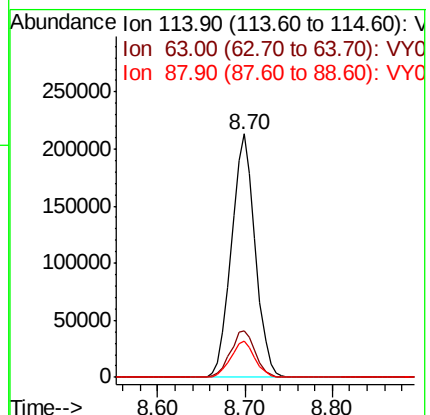
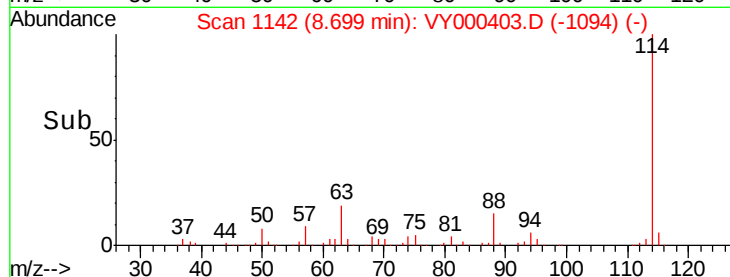
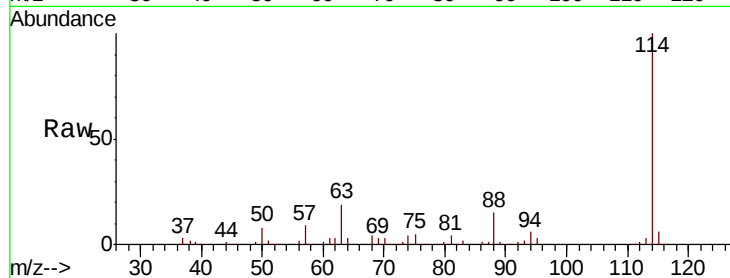
Tot Ion:114 Resp: 401225

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.2

88 15.2 0.0 30.2



#35

Dibromofluoromethane

Concen: 48.951 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000403.D

Acq: 24 Oct 2019 12:35

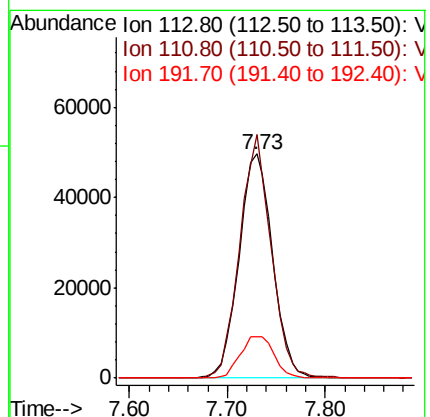
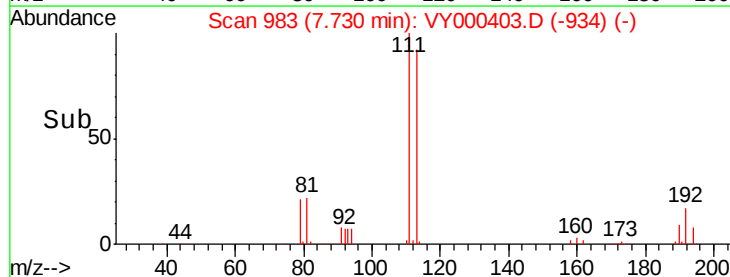
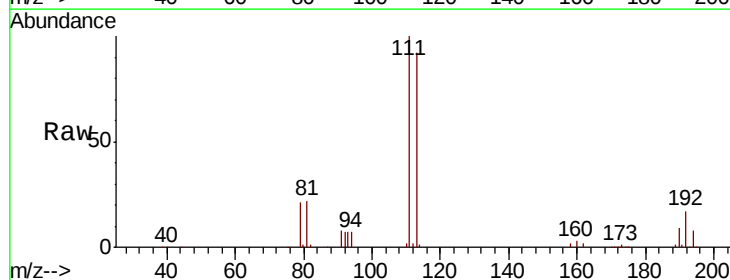
Tgt Ion:113 Resp: 118473

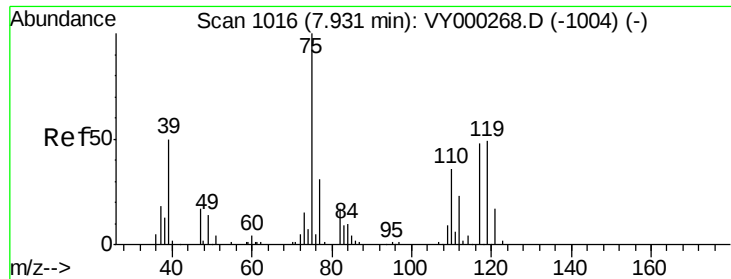
Ion Ratio Lower Upper

113 100

111 101.4 81.6 122.4

192 18.8 15.3 22.9

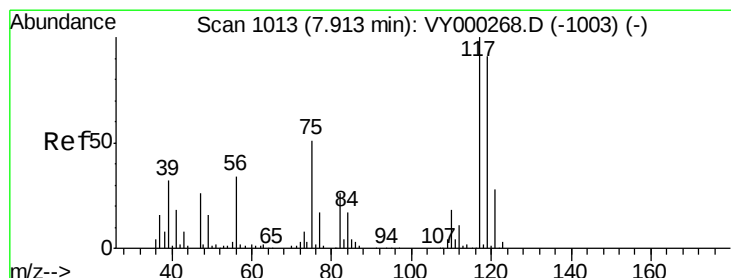
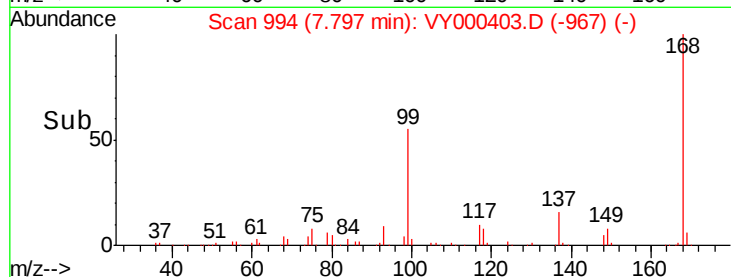
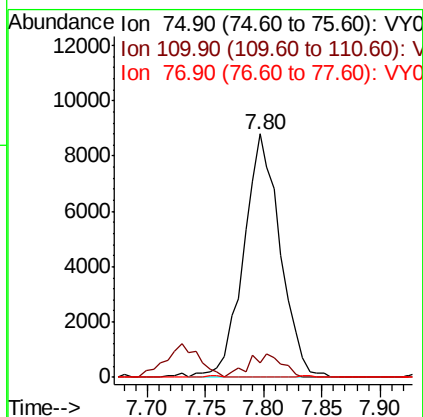
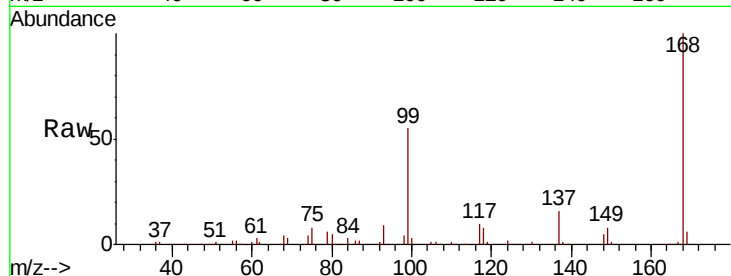




#36
 1,1-Dichloropropene
 Concen: 4.875 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000403.D
 Acq: 24 Oct 2019 12:35

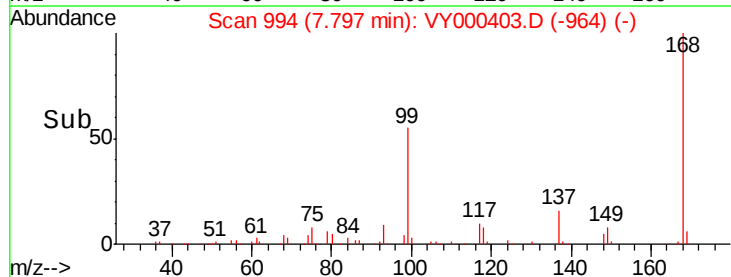
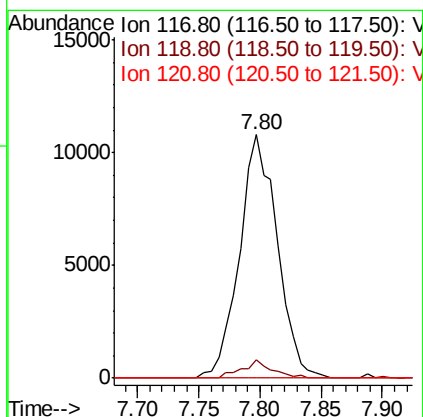
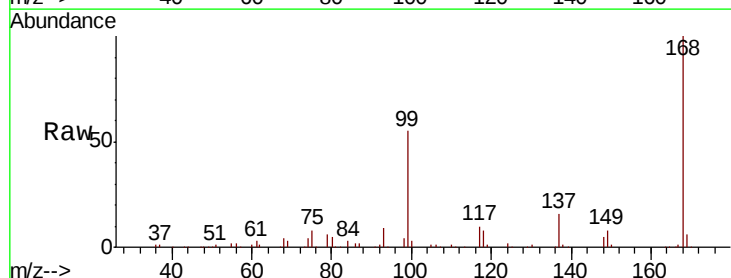
Instrument :
 MSVOA_Y
 ClientSampled :

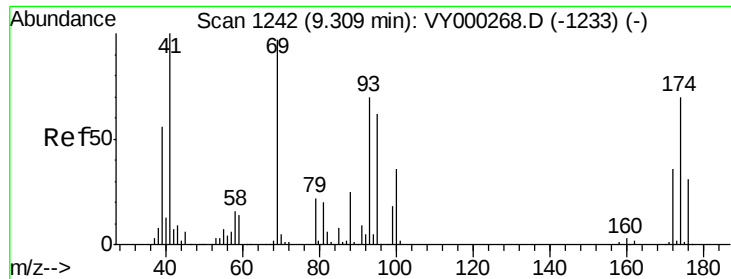
Tot Ion	75	Resp	19150
Ion Ratio	Lower	Upper	
75	100		
110	8.9	18.4	55.4#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.101 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000403.D
 Acq: 24 Oct 2019 12:35

Tgt Ion	117	Resp	23205
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	7.5	72.8	109.2#
121	0.0	22.2	33.2#

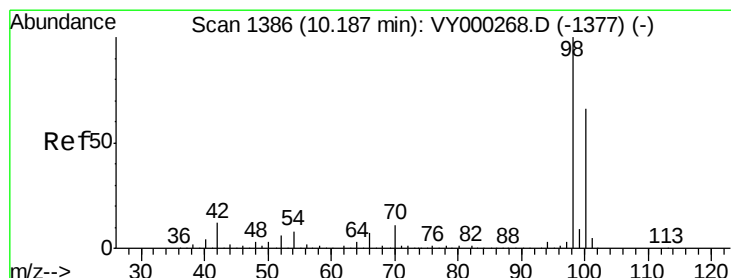
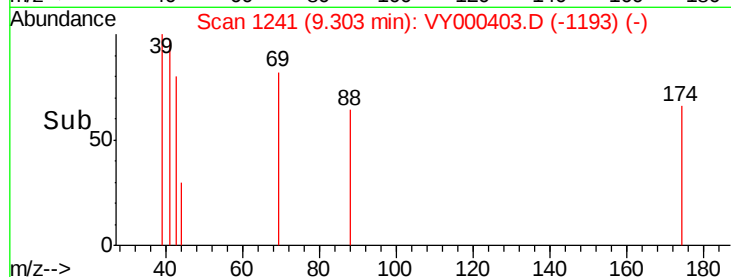
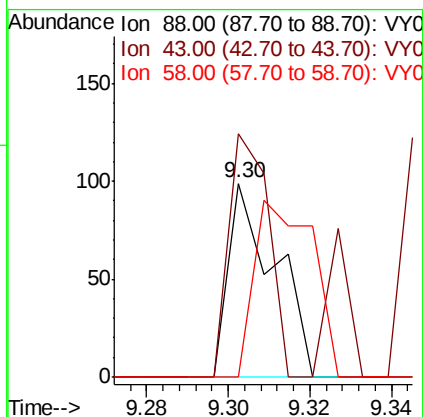
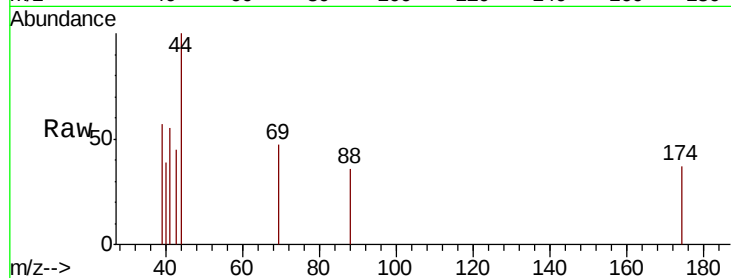




#49
1,4-Dioxane
Concen: 3.340 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

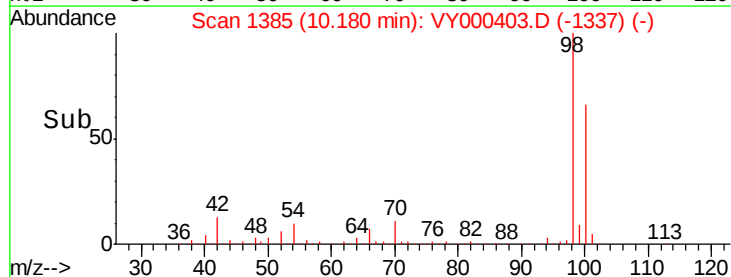
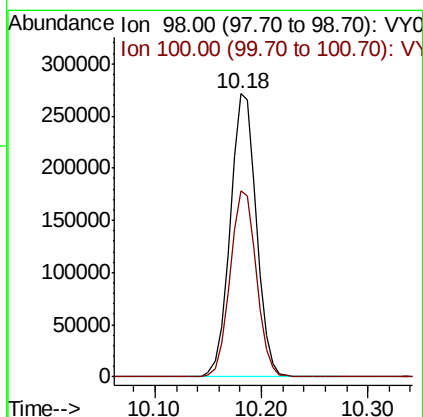
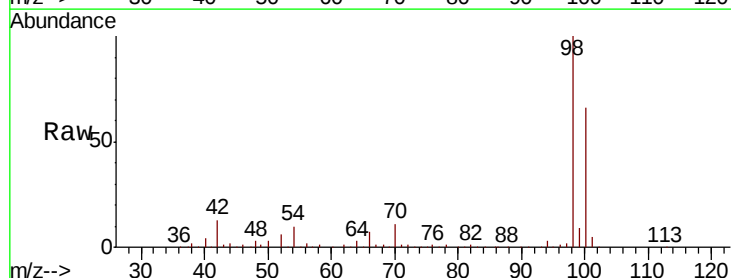
Instrument :
MSVOA_Y
ClientSampleId :

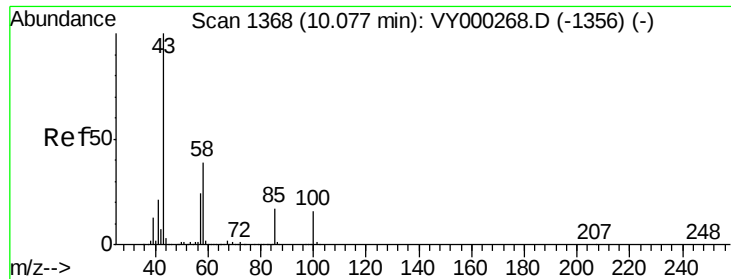
Tot Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 106.4 25.6 38.4#
58 114.1 54.6 81.8#



#50
Toluene-d8
Concen: 50.121 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

Tgt Ion: 98 Resp: 466621
Ion Ratio Lower Upper
98 100
100 66.1 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 1.466 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000403.D

Acq: 24 Oct 2019 12:35

Instrument :

MSVOA_Y

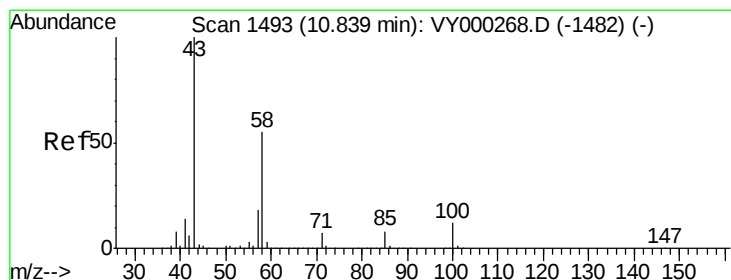
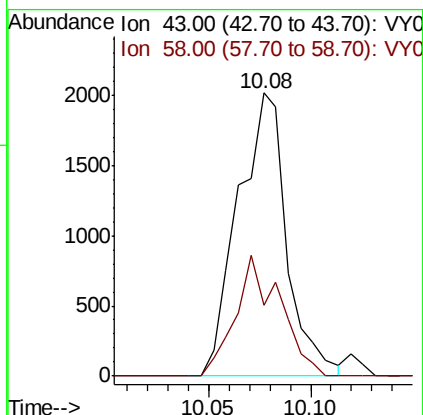
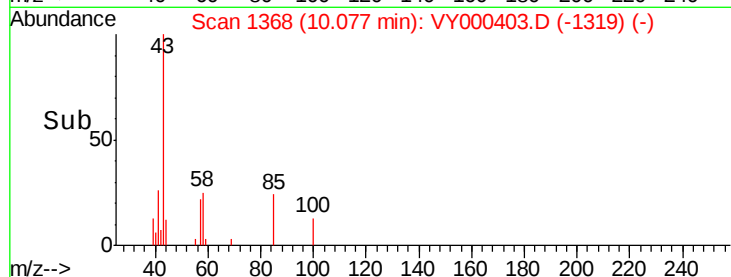
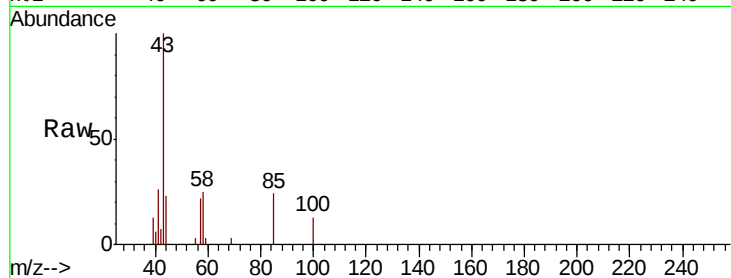
ClientSampleId :

Tot Ion: 43 Resp: 3343

Ion Ratio Lower Upper

43 100

58 38.8 31.0 46.6



#59

2-Hexanone

Concen: 3.108 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VY000403.D

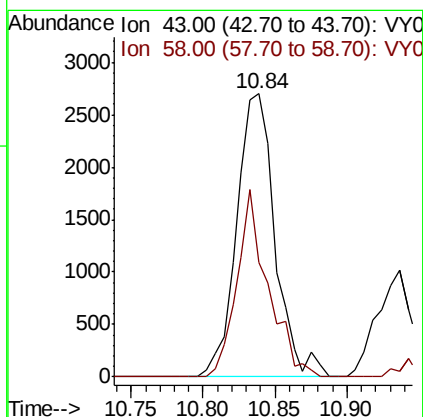
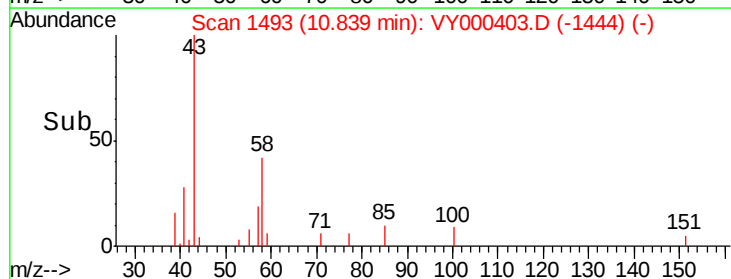
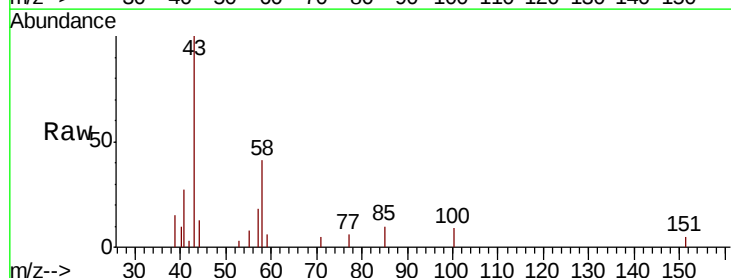
Acq: 24 Oct 2019 12:35

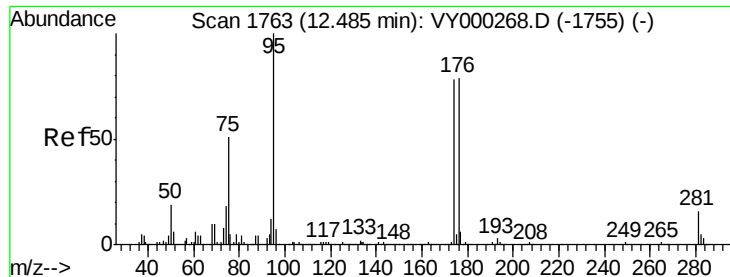
Tgt Ion: 43 Resp: 4976

Ion Ratio Lower Upper

43 100

58 53.9 27.7 83.1

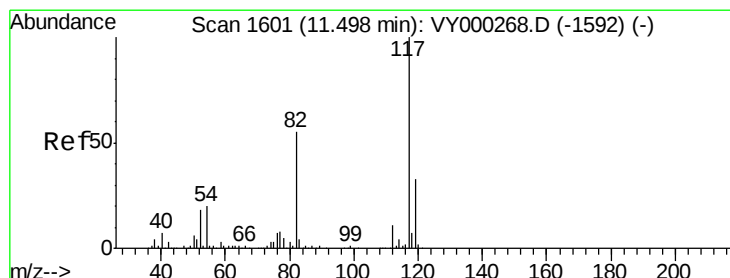
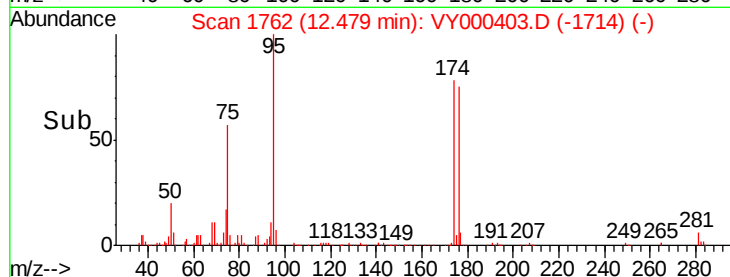
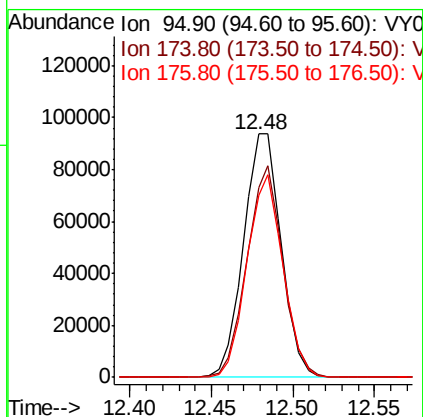
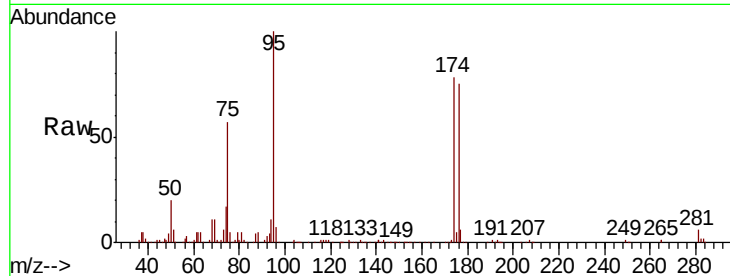




#62
4-Bromofluorobenzene
Concen: 42.556 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

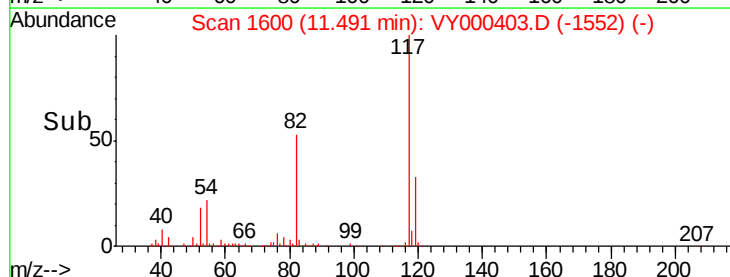
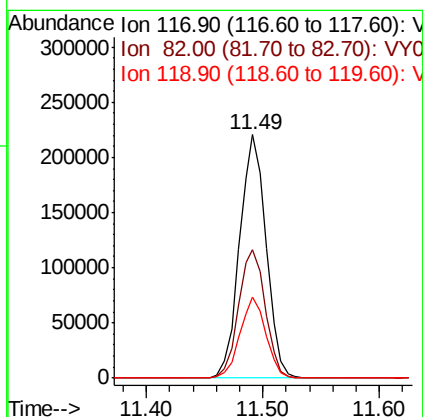
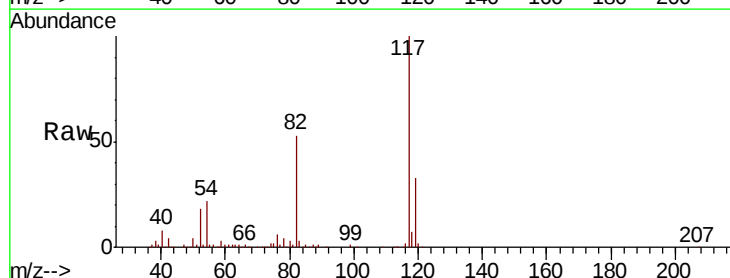
Instrument :
MSVOA_Y
ClientSampleId :

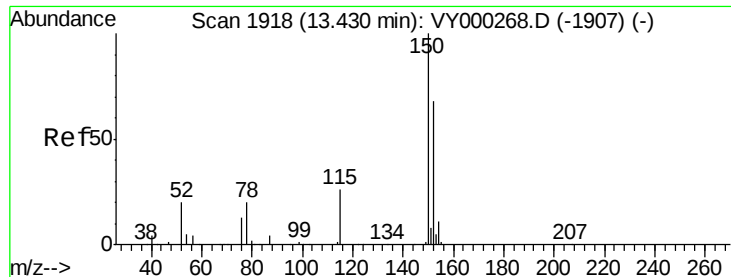
Tot Ion	Ratio	Lower	Upper
95	100		
174	82.4	0.0	159.6
176	79.7	0.0	153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.7	65.5
119	33.4	26.6	39.8



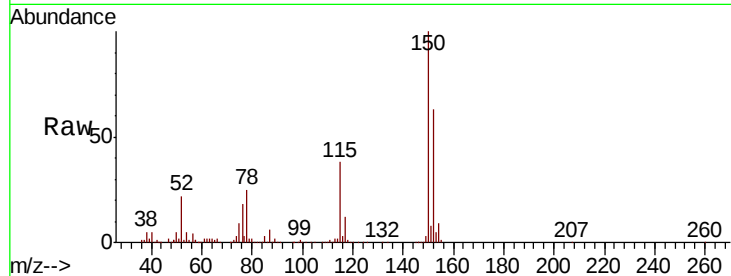


#72

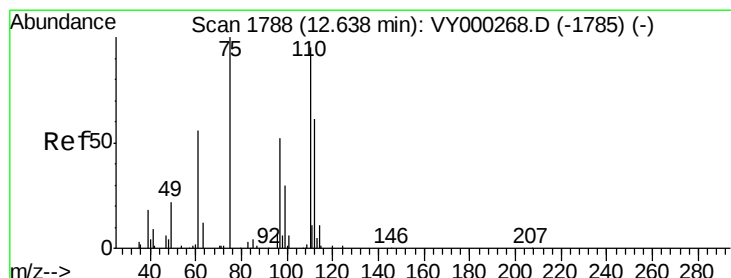
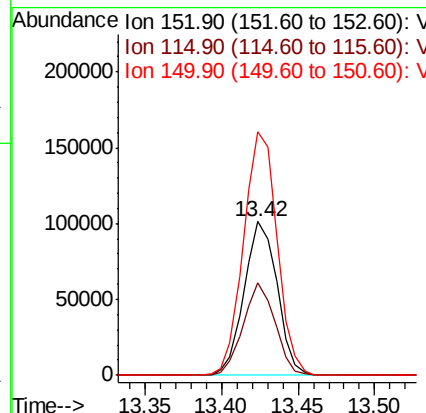
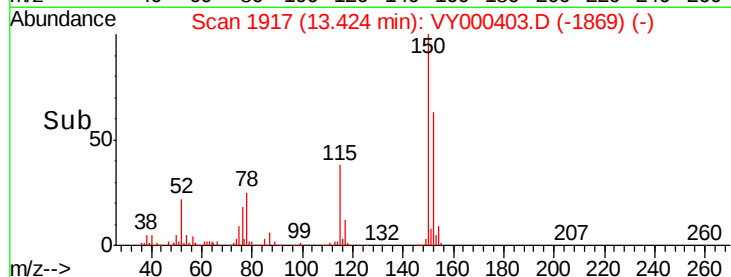
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 151892
Ion Ratio Lower Upper
152 100
115 58.4 29.3 88.0
150 161.1 0.0 348.4



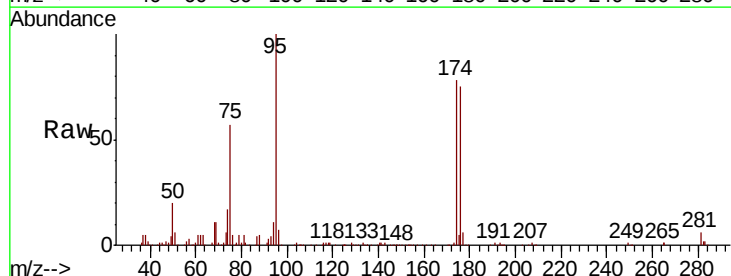
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



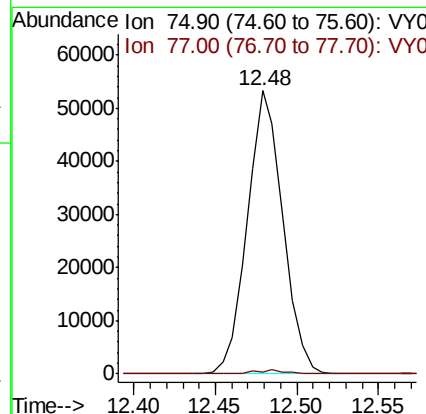
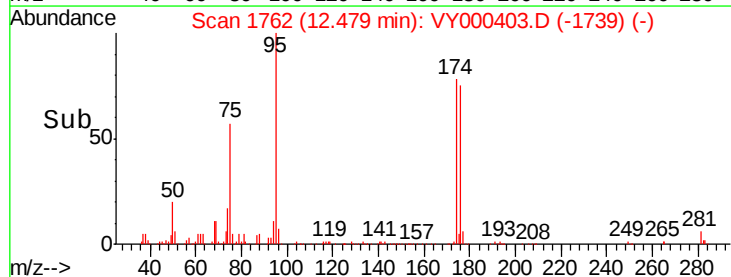
#76

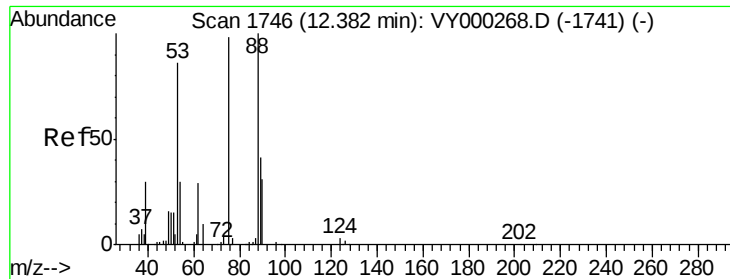
1,2,3-Trichloropropane
Concen: 43.153 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

Tgt Ion: 75 Resp: 80600
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

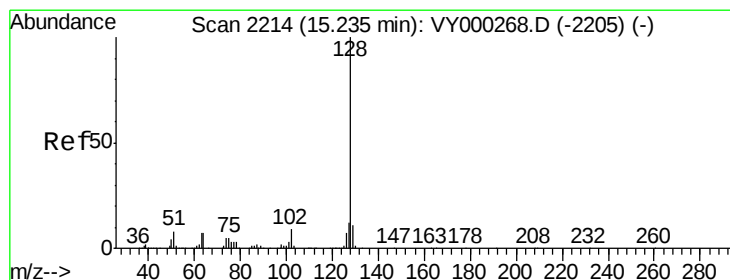
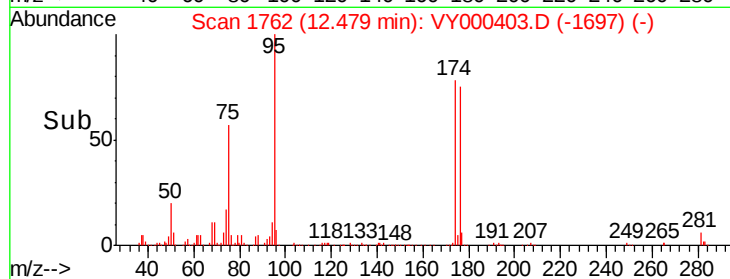
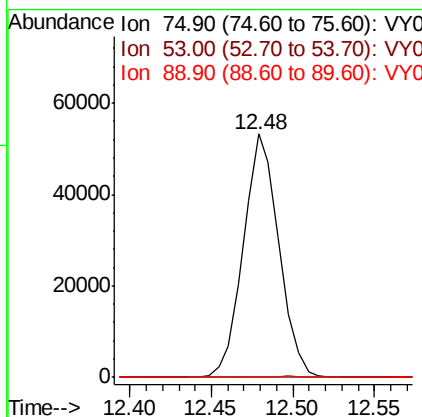
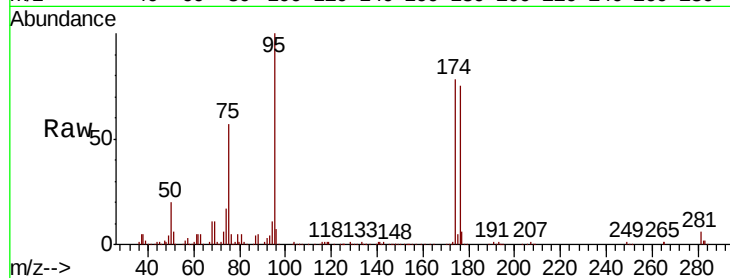




#81
trans-1,4-Dichloro-2-butene
Concen: 94.418 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 75 Resp: 80600
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.2 35.1 52.7#



#95
Naphthalene
Concen: 1.393 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000403.D
Acq: 24 Oct 2019 12:35

Tgt Ion:128 Resp: 10170
Ion Ratio Lower Upper
128 100
127 16.6 9.6 14.4#
129 14.7 8.7 13.1#

