

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091319\
 Data File : VY000034.D
 Acq On : 13 Sep 2019 10:09
 Operator : SY/MD
 Sample : VY0913SBL01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 13 12:40:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 16:17:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	125458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	241147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	205494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	86635	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	68010	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
35) Dibromofluoromethane	7.72	113	66713	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	10.18	98	275129	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.48	95	95777	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	

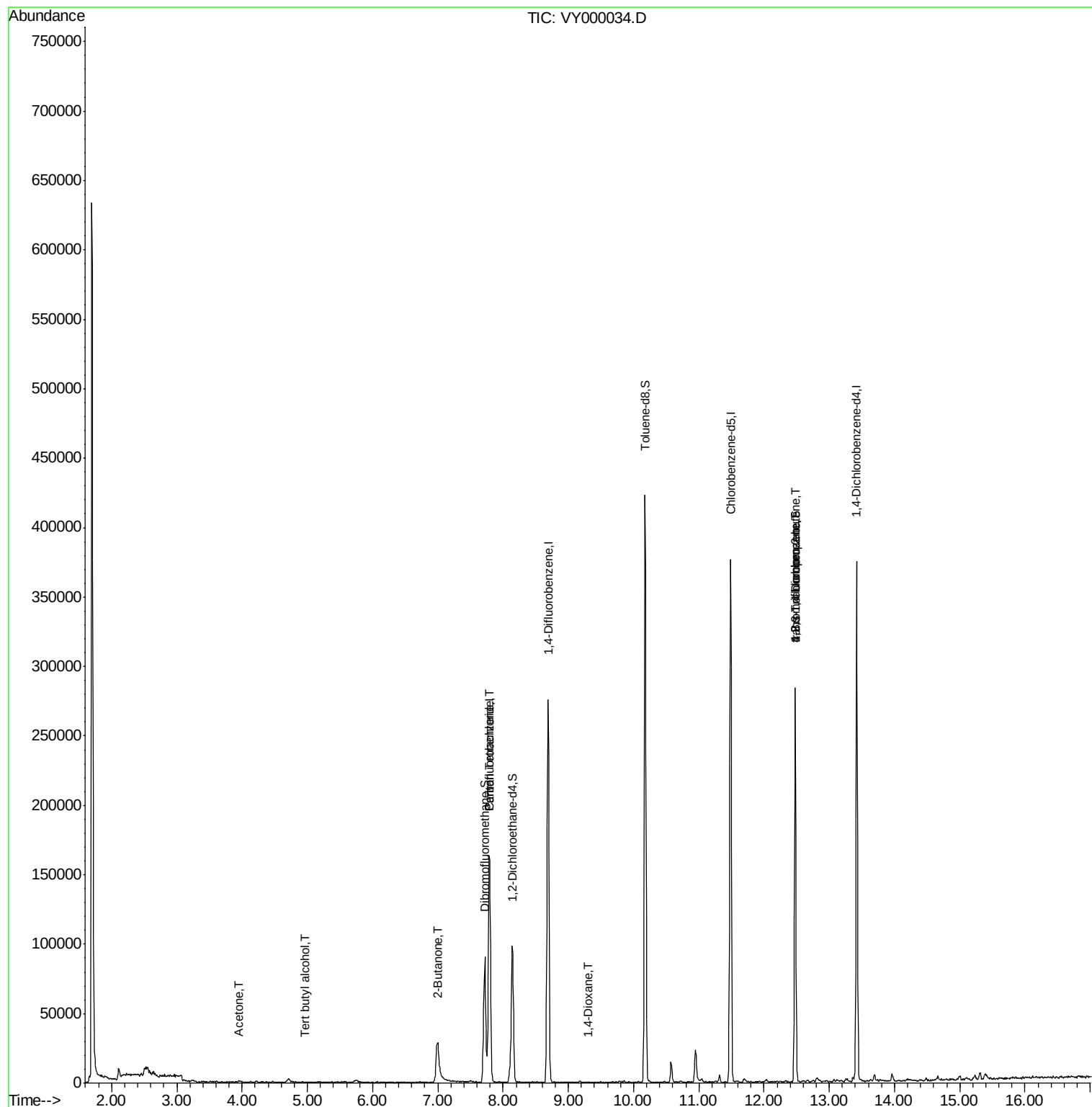
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	5088	Below Cal	#	77
5) Bromomethane	2.65	94	219	Below Cal	#	67
11) Tert butyl alcohol	4.96	59	235	1.368	ug/l #	46
13) Acrolein	3.71	56	19	Below Cal	#	1
16) Acetone	3.96	43	1092	2.914	ug/l #	81
17) Carbon Disulfide	4.20	76	240	Below Cal	#	74
20) Methylene Chloride	4.72	84	2183	Below Cal	#	76
25) 2-Butanone	6.99	43	1676	2.752	ug/l #	45
31) Cyclohexane	7.79	56	3252	Below Cal	#	1
38) Carbon Tetrachloride	7.79	117	12117	7.250	ug/l #	18
49) 1,4-Dioxane	9.31	88	25	1.447	ug/l #	26
76) 1,2,3-Trichloropropane	12.48	75	47142	39.176	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	47142	77.709	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.35	75	41	Below Cal	#	3

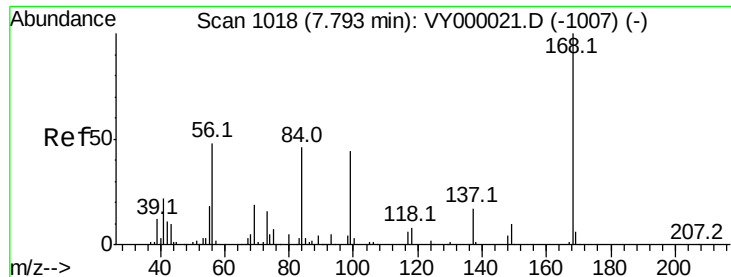
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY091319\
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Quant Title : SW846 8260
QLast Update : Thu Sep 12 16:17:30 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000034.D

Acq: 13 Sep 2019 10:09

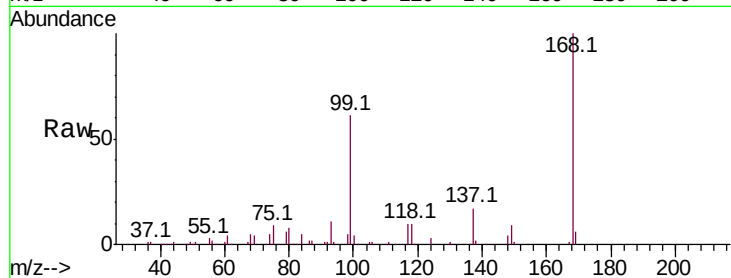
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 125458

Ion Ratio Lower Upper

168 100

99 60.7 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VY000021.D (-1007) (-)

Ion 98.90 (98.60 to 99.60): VY000021.D (-1007) (-)

7.79

60000

50000

40000

30000

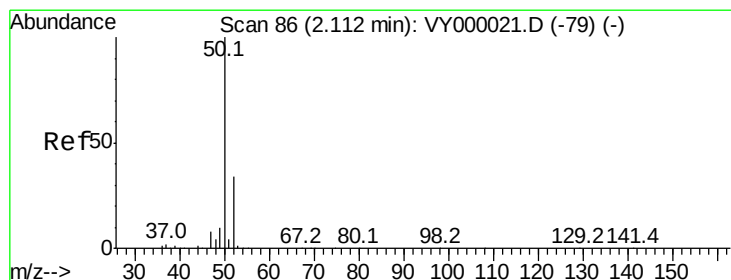
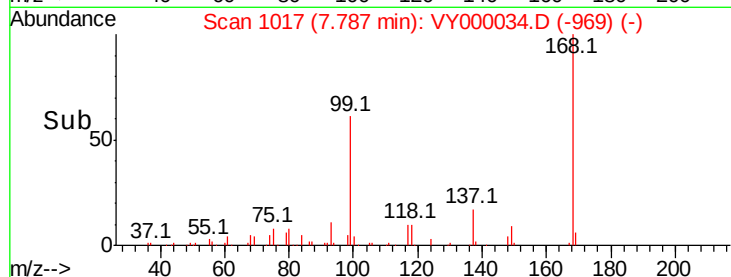
20000

10000

0

7.70 7.80 7.90

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000034.D

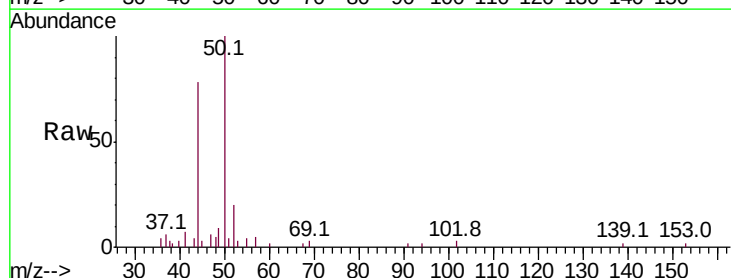
Acq: 13 Sep 2019 10:09

Tgt Ion: 50 Resp: 5088

Ion Ratio Lower Upper

50 100

52 20.4 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VY000021.D (-79) (-)

Ion 51.90 (51.60 to 52.60): VY000021.D (-79) (-)

2.11

4000

3000

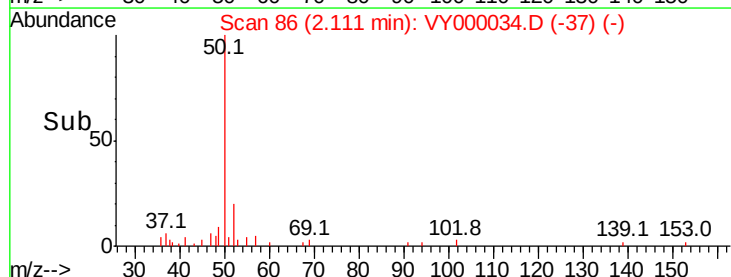
2000

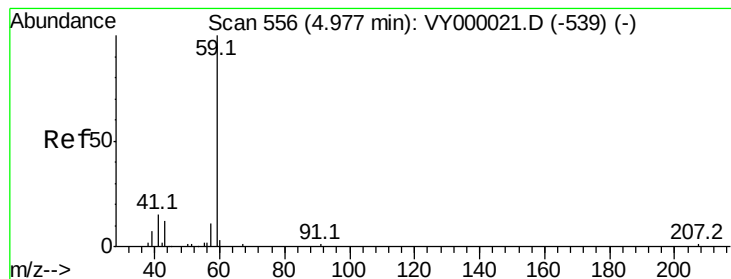
1000

0

2.05 2.10 2.15

Time-->



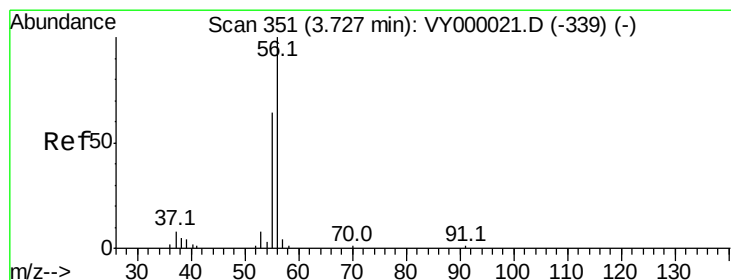
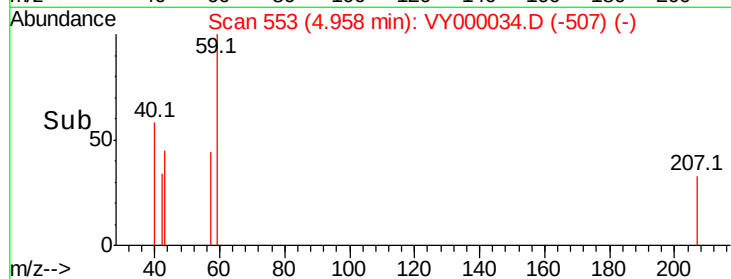
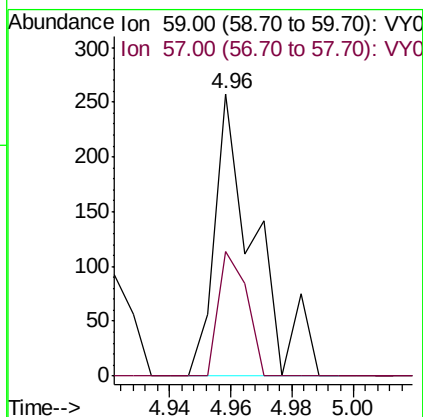
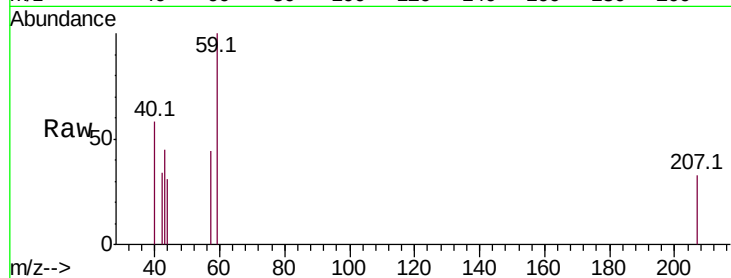


#11

Tert butyl alcohol
 Concen: 1.368 ug/l
 RT: 4.96 min Scan# 553
 Delta R.T. -0.02 min
 Lab File: VY000034.D
 Acq: 13 Sep 2019 10:09

Instrument :
 MSVOA_Y
 ClientSampled :

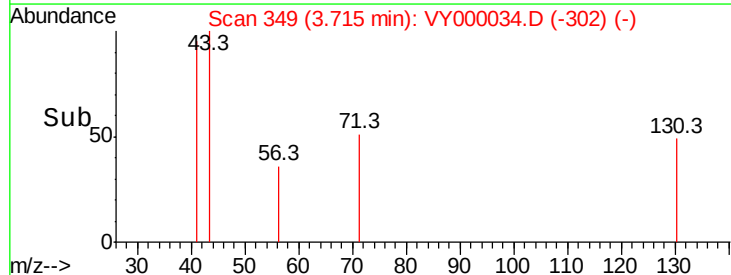
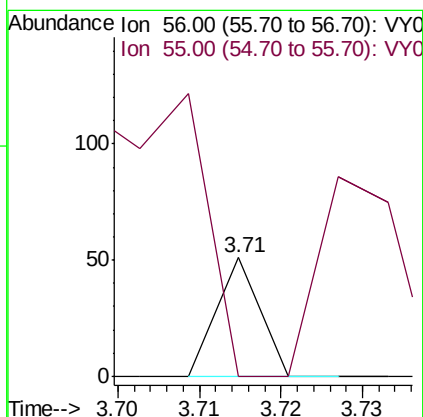
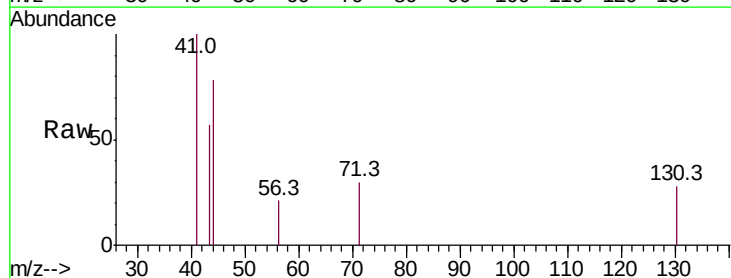
Tot Ion: 59 Resp: 235
 Ion Ratio Lower Upper
 59 100
 57 30.6 8.3 12.5#

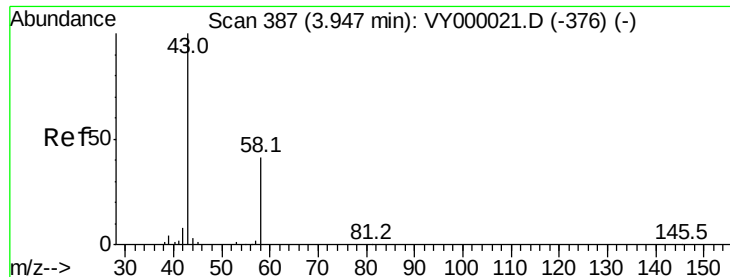


#13

Acrolein
 Concen: Below Cal
 RT: 3.71 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VY000034.D
 Acq: 13 Sep 2019 10:09

Tgt Ion: 56 Resp: 19
 Ion Ratio Lower Upper
 56 100
 55 836.8 56.7 85.1#





#16

Acetone

Concen: 2.914 ug/l

RT: 3.96 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000034.D

Acq: 13 Sep 2019 10:09

Instrument :

MSVOA_Y

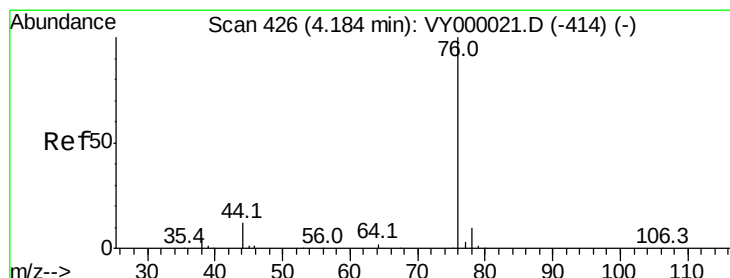
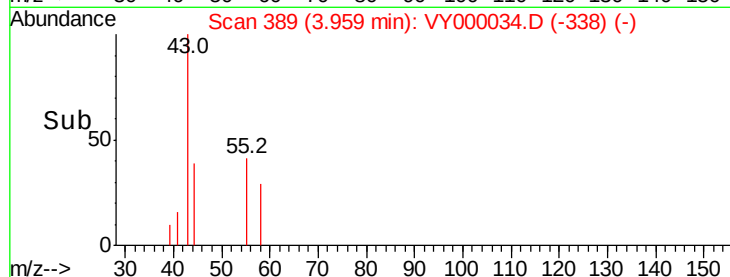
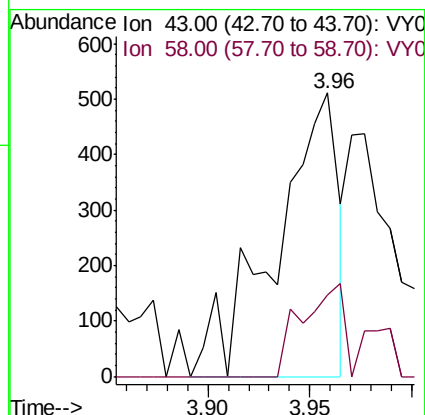
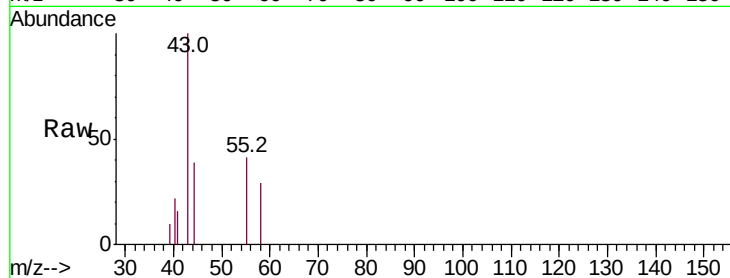
ClientSampled :

Tot Ion: 43 Resp: 1092

Ion Ratio Lower Upper

43 100

58 28.8 32.5 48.7#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.20 min Scan# 429

Delta R.T. 0.02 min

Lab File: VY000034.D

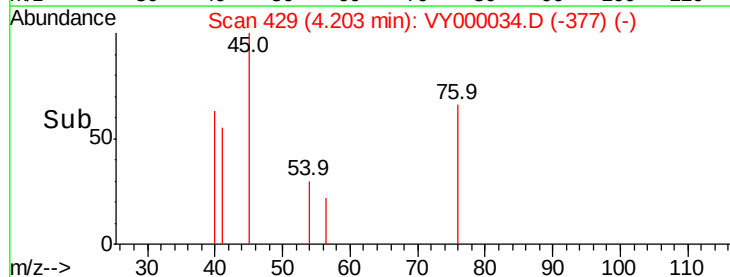
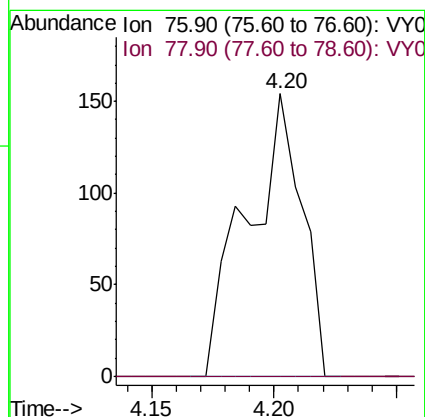
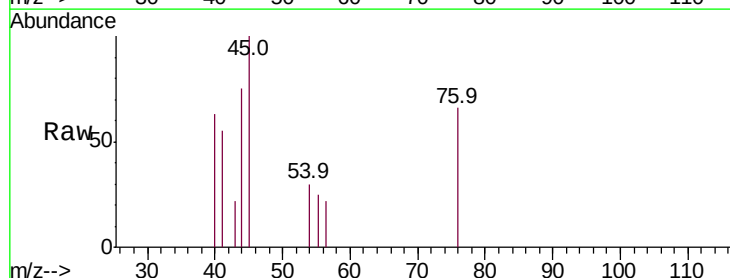
Acq: 13 Sep 2019 10:09

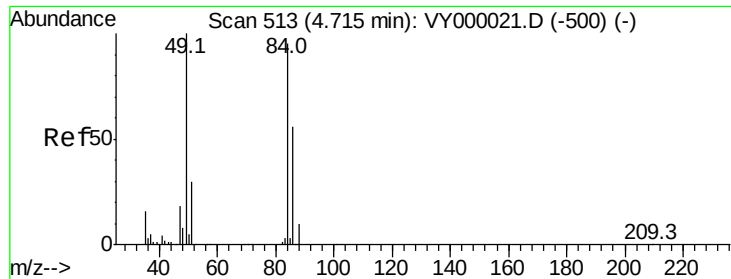
Tgt Ion: 76 Resp: 240

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#

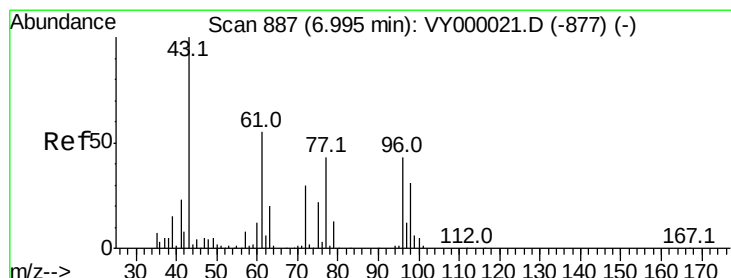
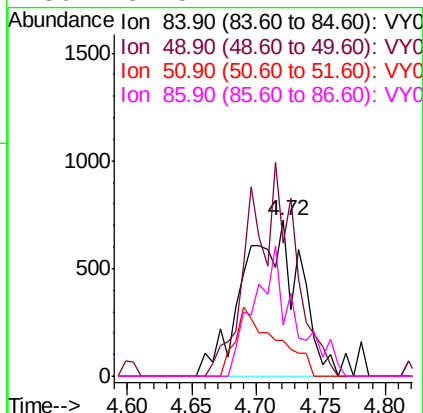
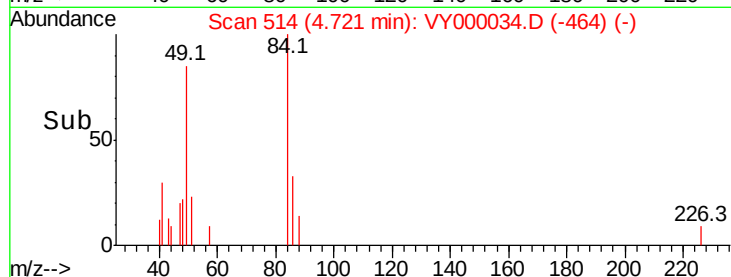
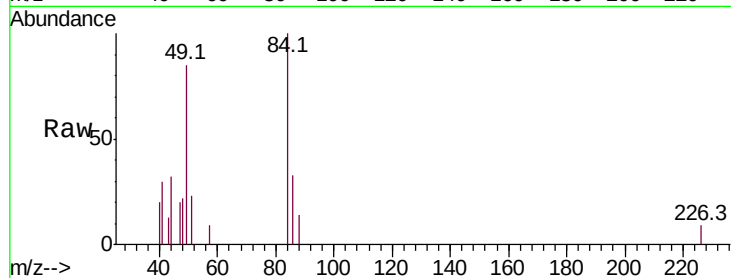




#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 514
Delta R.T. 0.01 min
Lab File: VY000034.D
Acq: 13 Sep 2019 10:09

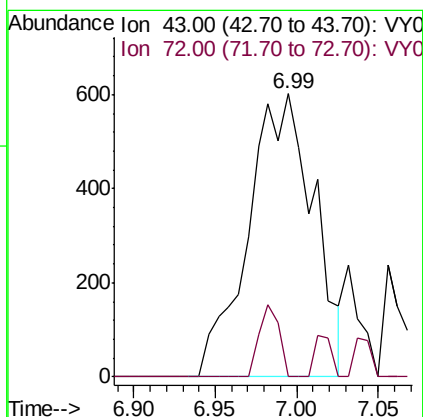
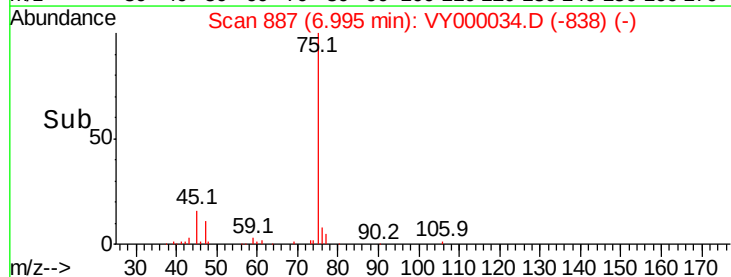
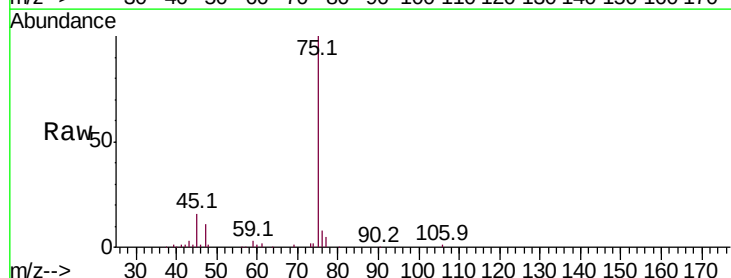
Instrument :
MSVOA_Y
ClientSampled :

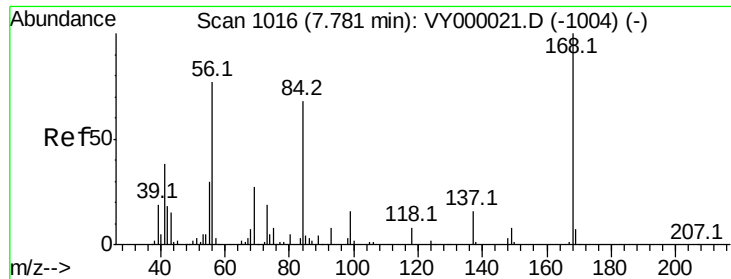
Tot Ion: 84 Resp: 2183
Ion Ratio Lower Upper
84 100
49 85.2 84.4 126.6
51 23.4 25.4 38.0#
86 32.5 47.4 71.2#



#25
2-Butanone
Concen: 2.752 ug/l
RT: 6.99 min Scan# 887
Delta R.T. -0.00 min
Lab File: VY000034.D
Acq: 13 Sep 2019 10:09

Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
72 0.0 24.1 36.1#

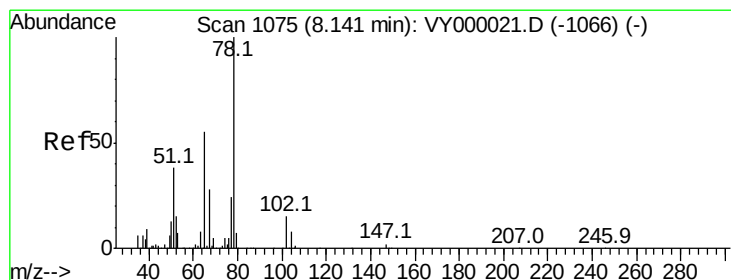
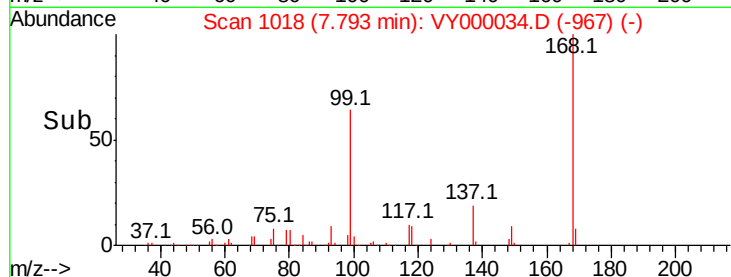
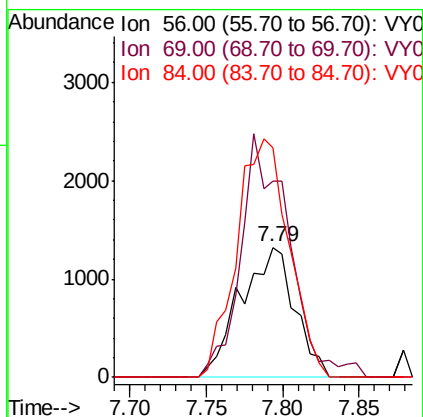
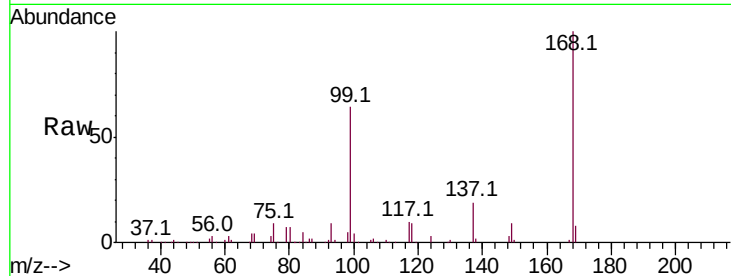




#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY000034.D
Acq: 13 Sep 2019 10:09

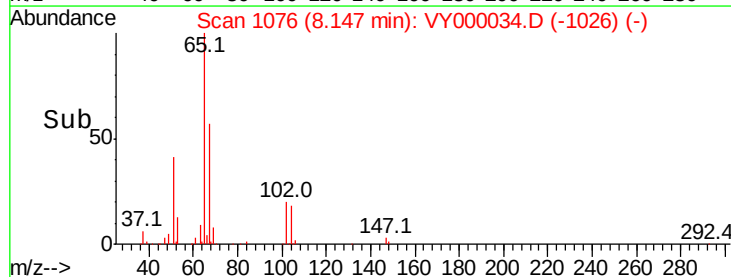
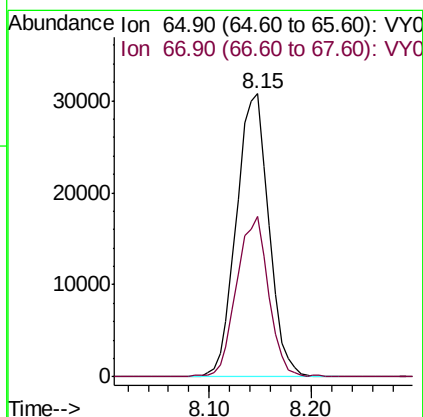
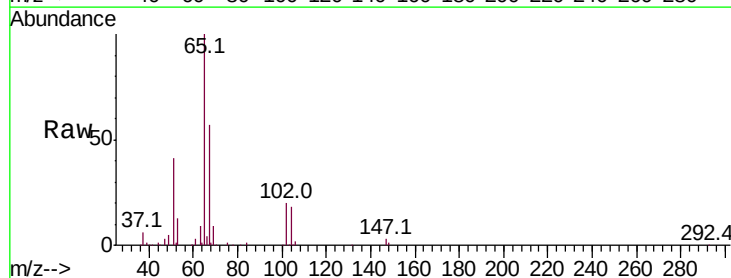
Instrument :
MSVOA_Y
ClientSampleId :

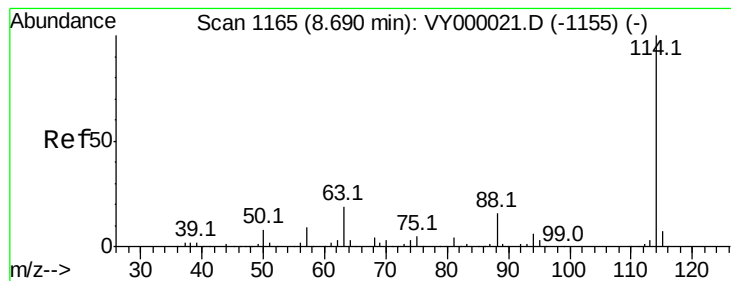
Tot Ion: 56 Resp: 3252
Ion Ratio Lower Upper
56 100
69 151.4 28.0 42.0#
84 177.4 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 50.324 ug/l
RT: 8.15 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VY000034.D
Acq: 13 Sep 2019 10:09

Tgt Ion: 65 Resp: 68010
Ion Ratio Lower Upper
65 100
67 55.6 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000034.D

Acq: 13 Sep 2019 10:09

Instrument :

MSVOA_Y

ClientSampleId :

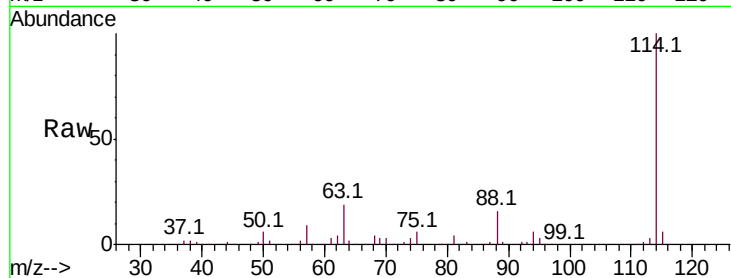
Tot Ion:114 Resp: 241147

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

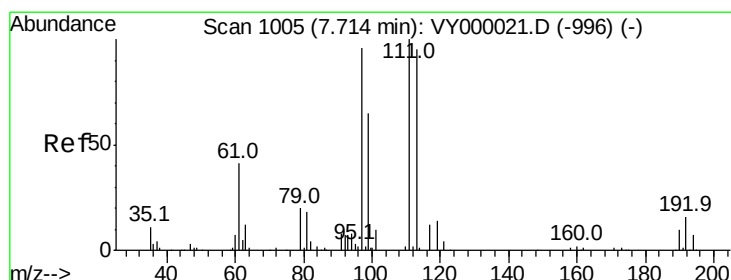
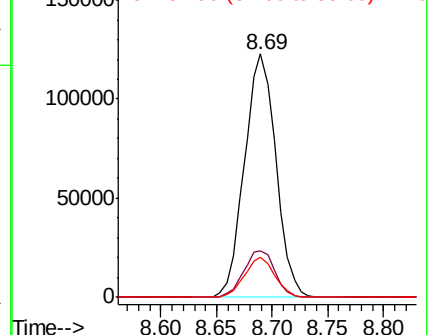
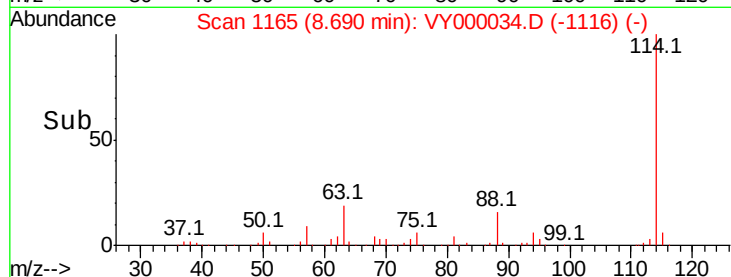
88 16.4 0.0 31.8



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: 48.222 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000034.D

Acq: 13 Sep 2019 10:09

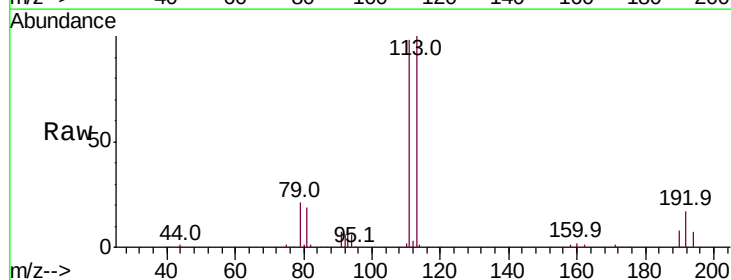
Tgt Ion:113 Resp: 66713

Ion Ratio Lower Upper

113 100

111 103.5 83.9 125.9

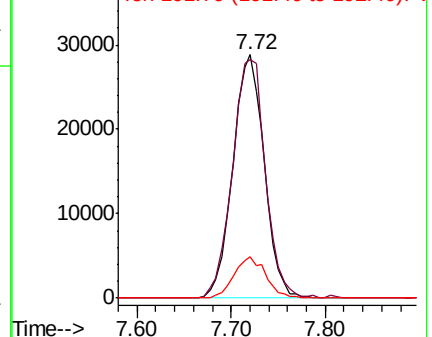
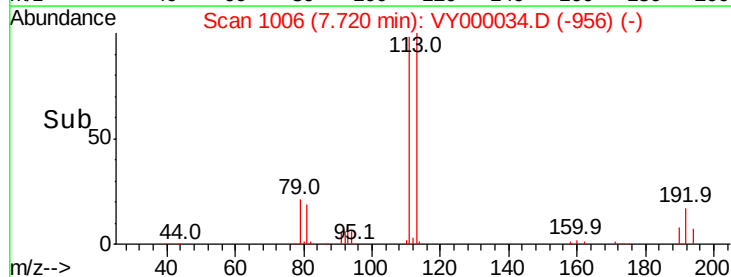
192 17.0 14.5 21.7

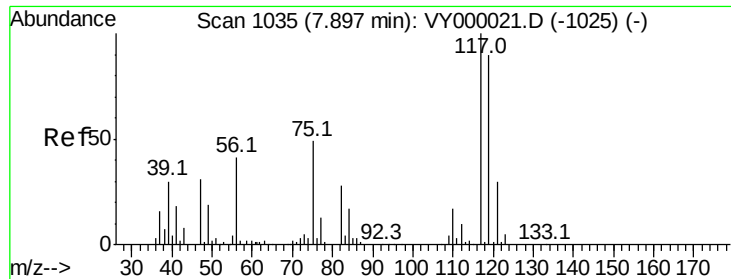


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 7.250 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.11 min

Lab File: VY000034.D

Acq: 13 Sep 2019 10:09

Instrument :

MSVOA_Y

ClientSampleId :

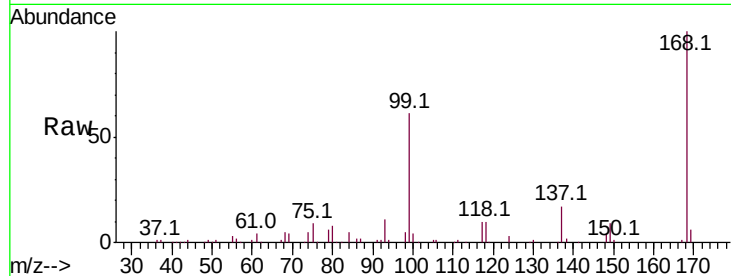
Tot Ion:117 Resp: 12117

Ion Ratio Lower Upper

117 100

119 5.0 72.1 108.1#

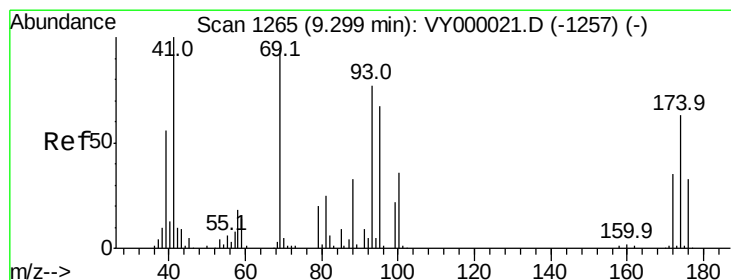
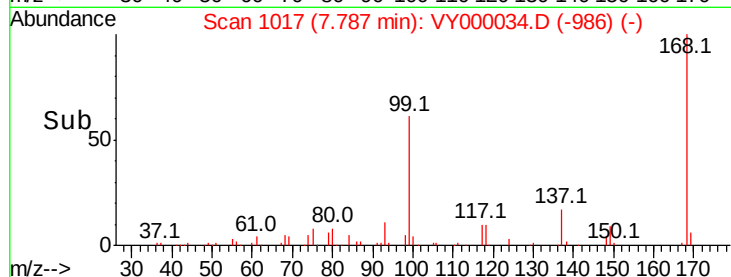
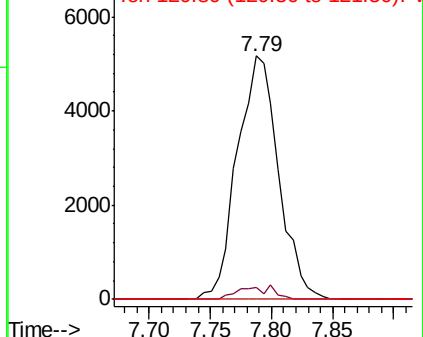
121 0.0 23.9 35.9#



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



#49

1,4-Dioxane

Concen: 1.447 ug/l

RT: 9.31 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VY000034.D

Acq: 13 Sep 2019 10:09

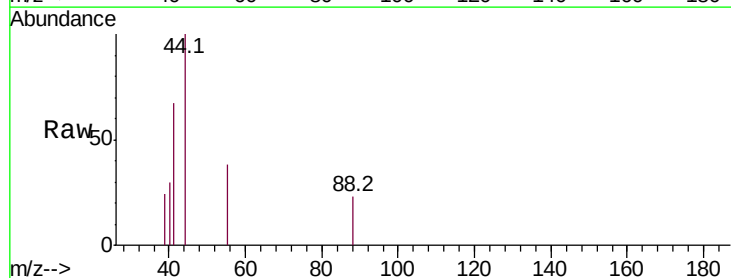
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 24.6 37.0#

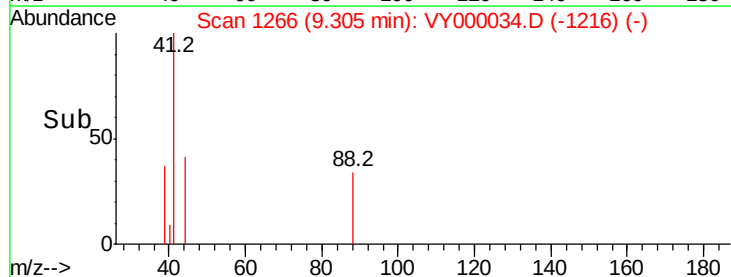
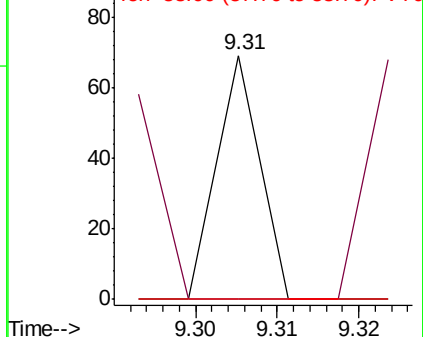
58 0.0 52.7 79.1#

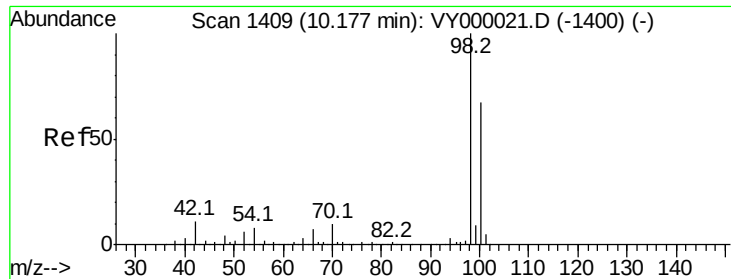


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

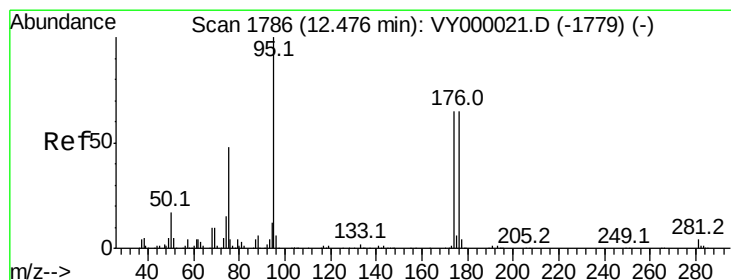
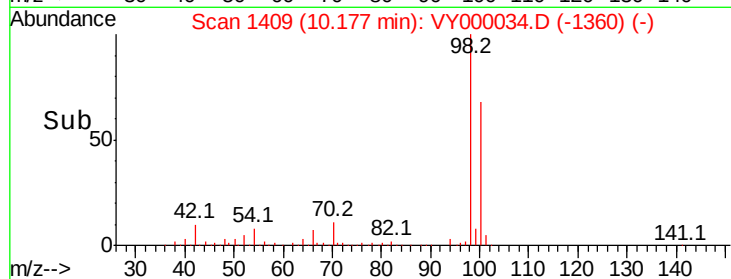
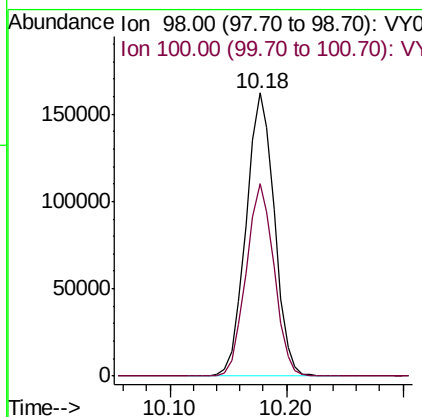
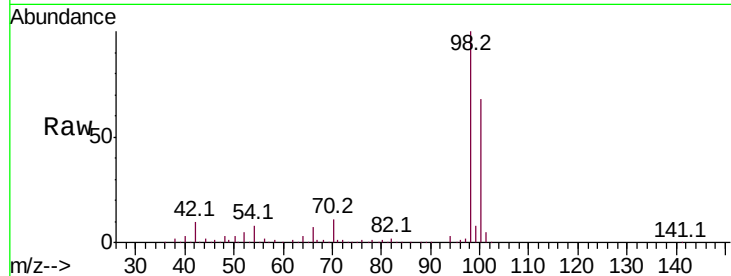




#50
Toluene-d8
Concen: 49.394 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000034.D
Acq: 13 Sep 2019 10:09

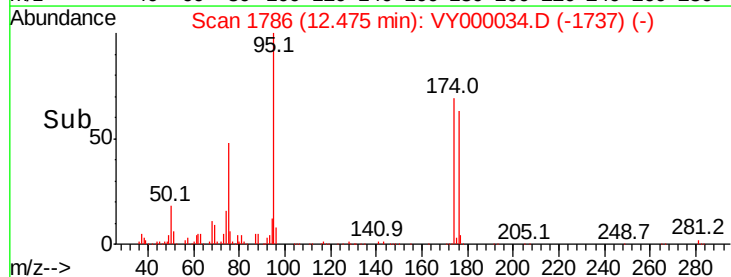
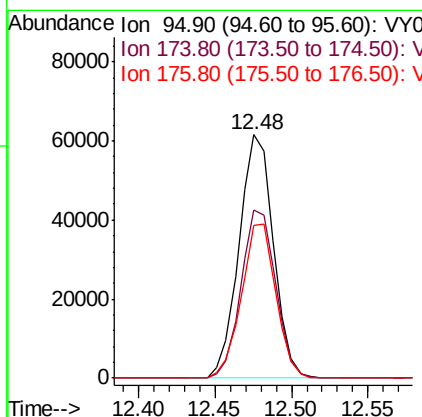
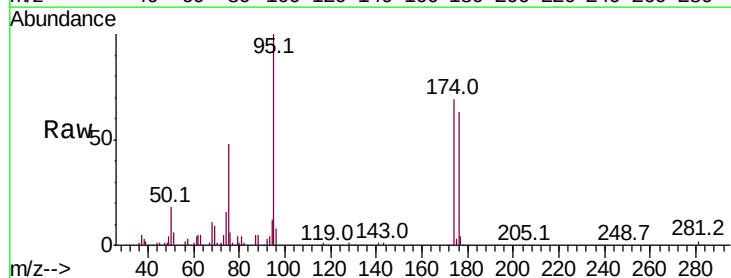
Instrument :
MSVOA_Y
ClientSampleId :

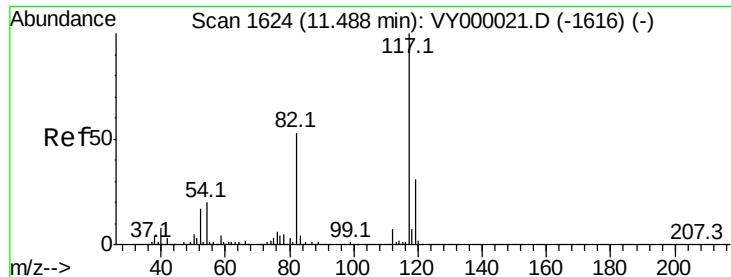
Tot Ion: 98 Resp: 275129
Ion Ratio Lower Upper
98 100
100 67.1 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 47.308 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. -0.00 min
Lab File: VY000034.D
Acq: 13 Sep 2019 10:09

Tgt Ion: 95 Resp: 95777
Ion Ratio Lower Upper
95 100
174 69.6 0.0 137.6
176 63.5 0.0 134.8

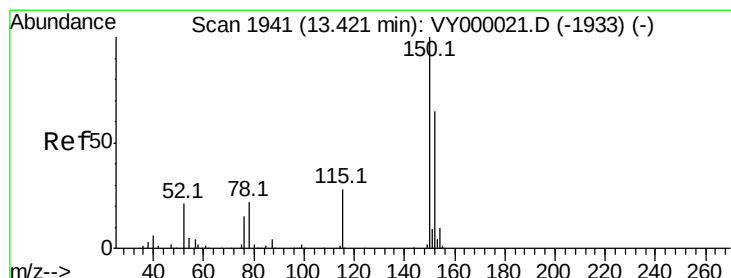
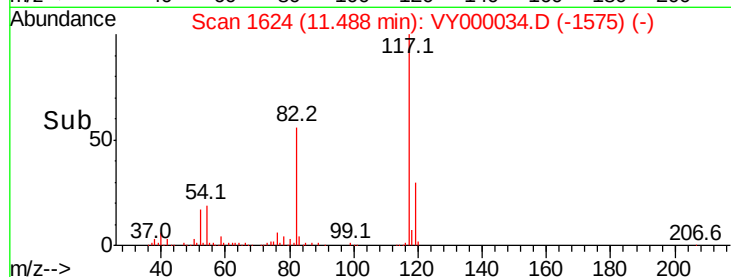
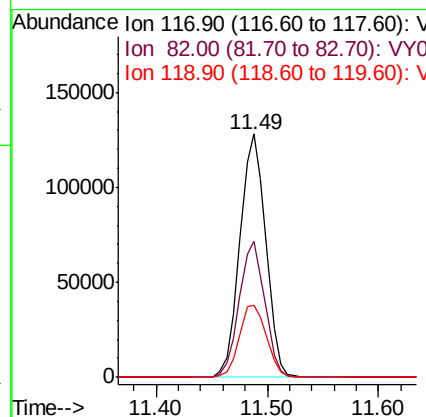
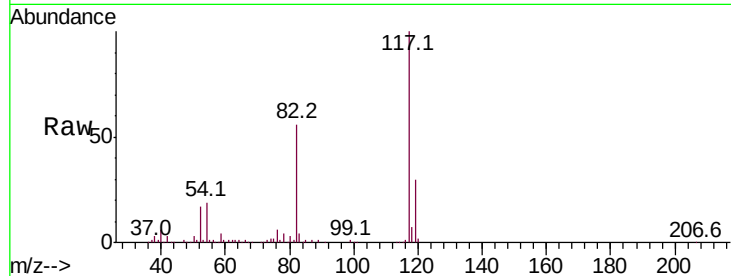




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000034.D
Acq: 13 Sep 2019 10:09

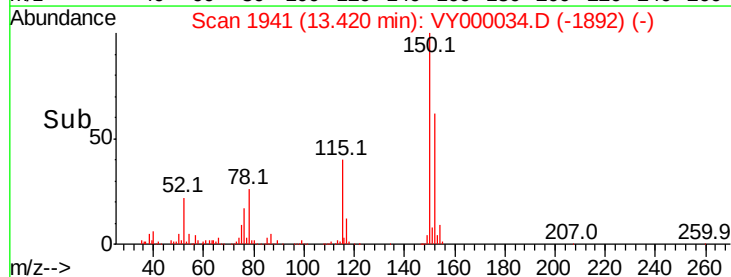
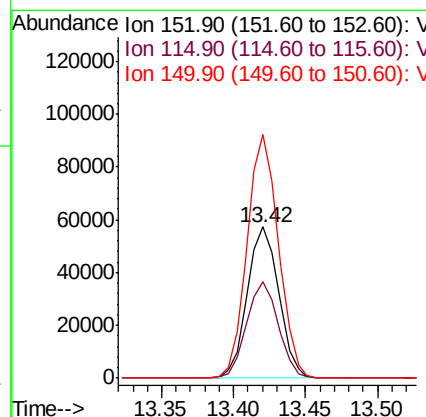
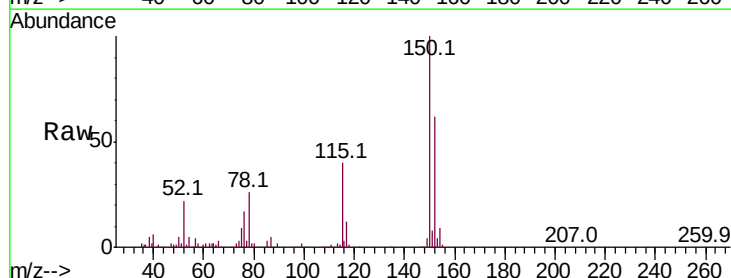
Instrument :
MSVOA_Y
ClientSampleId :

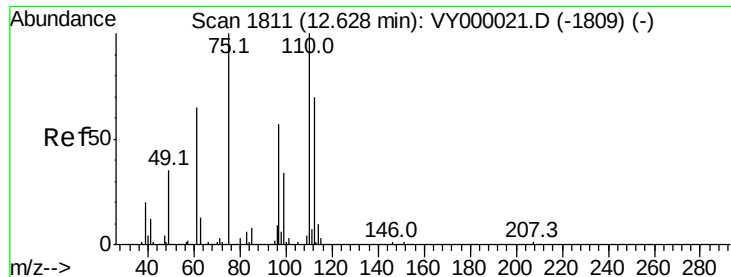
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	42.5	63.7
119	29.7	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000034.D
Acq: 13 Sep 2019 10:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	29.4	88.2
150	160.0	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 39.176 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.15 min

Lab File: VY000034.D

Acq: 13 Sep 2019 10:09

Instrument :

MSVOA_Y

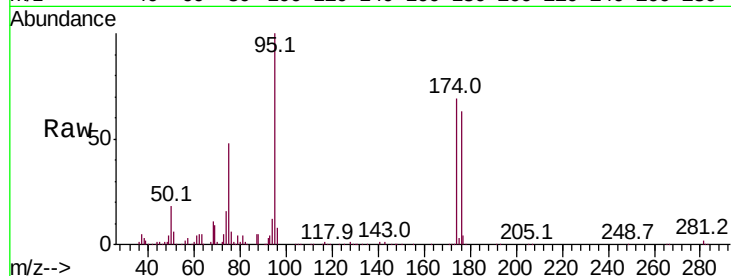
ClientSampleId :

Tot Ion: 75 Resp: 47142

Ion Ratio Lower Upper

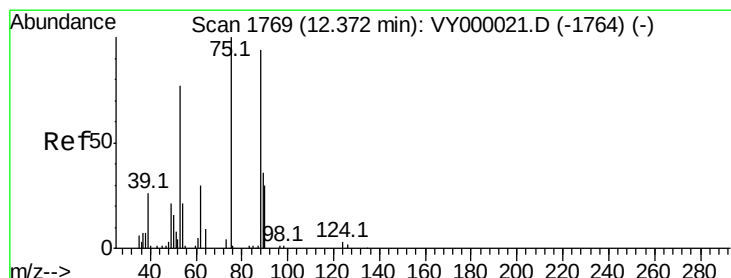
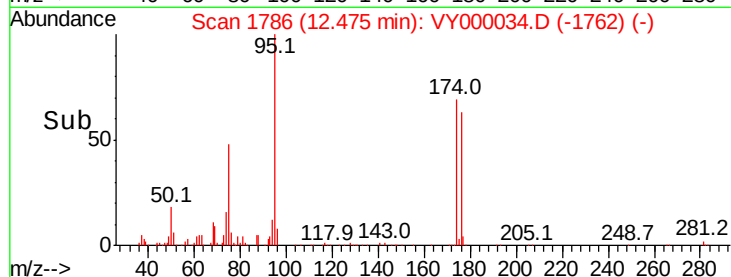
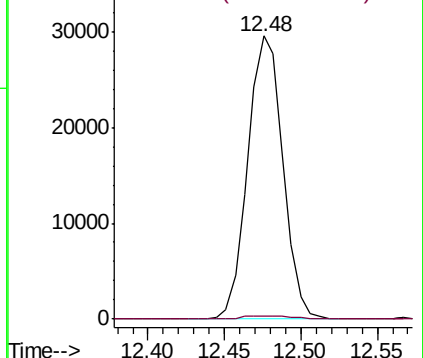
75 100

77 1.5 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: 77.709 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000034.D

Acq: 13 Sep 2019 10:09

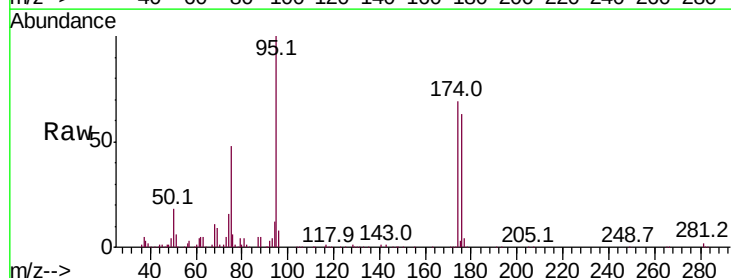
Tgt Ion: 75 Resp: 47142

Ion Ratio Lower Upper

75 100

53 0.0 64.2 96.2#

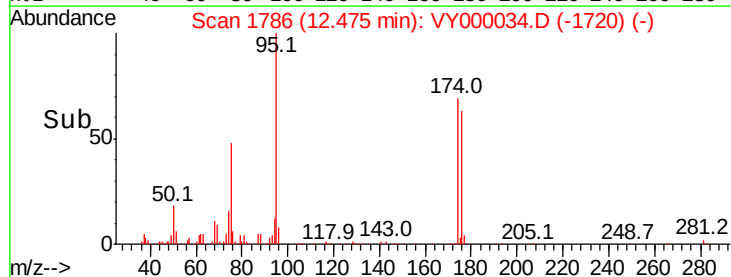
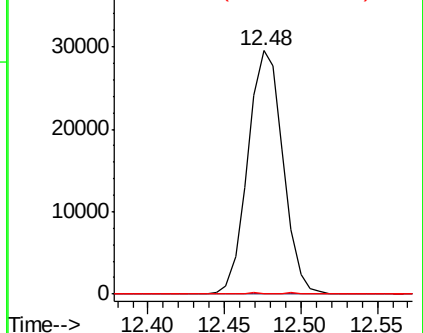
89 0.2 35.5 53.3#

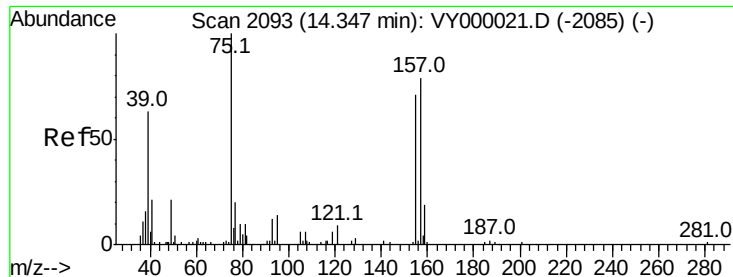


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.35 min Scan# 2093

Delta R.T. 0.00 min

Lab File: VY000034.D

Acq: 13 Sep 2019 10:09

Instrument :

MSVOA_Y

ClientSampleId :

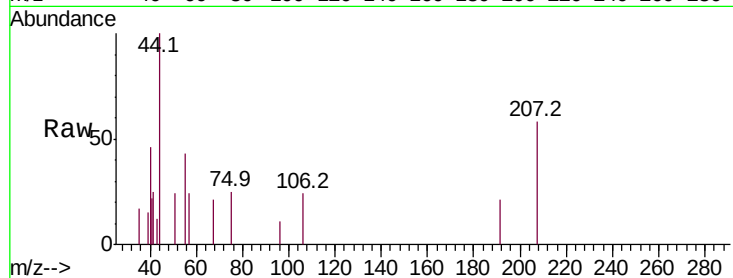
Tot Ion: 75 Resp: 41

Ion Ratio Lower Upper

75 100

155 0.0 41.8 125.3#

157 0.0 51.3 153.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

