

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002584.D
 Acq On : 05 May 2020 14:21
 Operator : SY/MD
 Sample : L2490-01
 Misc : 6.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 03:19:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	57058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	86588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.32	117	115	50.00	ug/l	-0.18
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-13.44

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	21838	45.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.04%	
35) Dibromofluoromethane	7.74	113	23970	48.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.80%	
50) Toluene-d8	10.19	98	100131	51.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount				50.000		
			Recovery	=	0.00%	

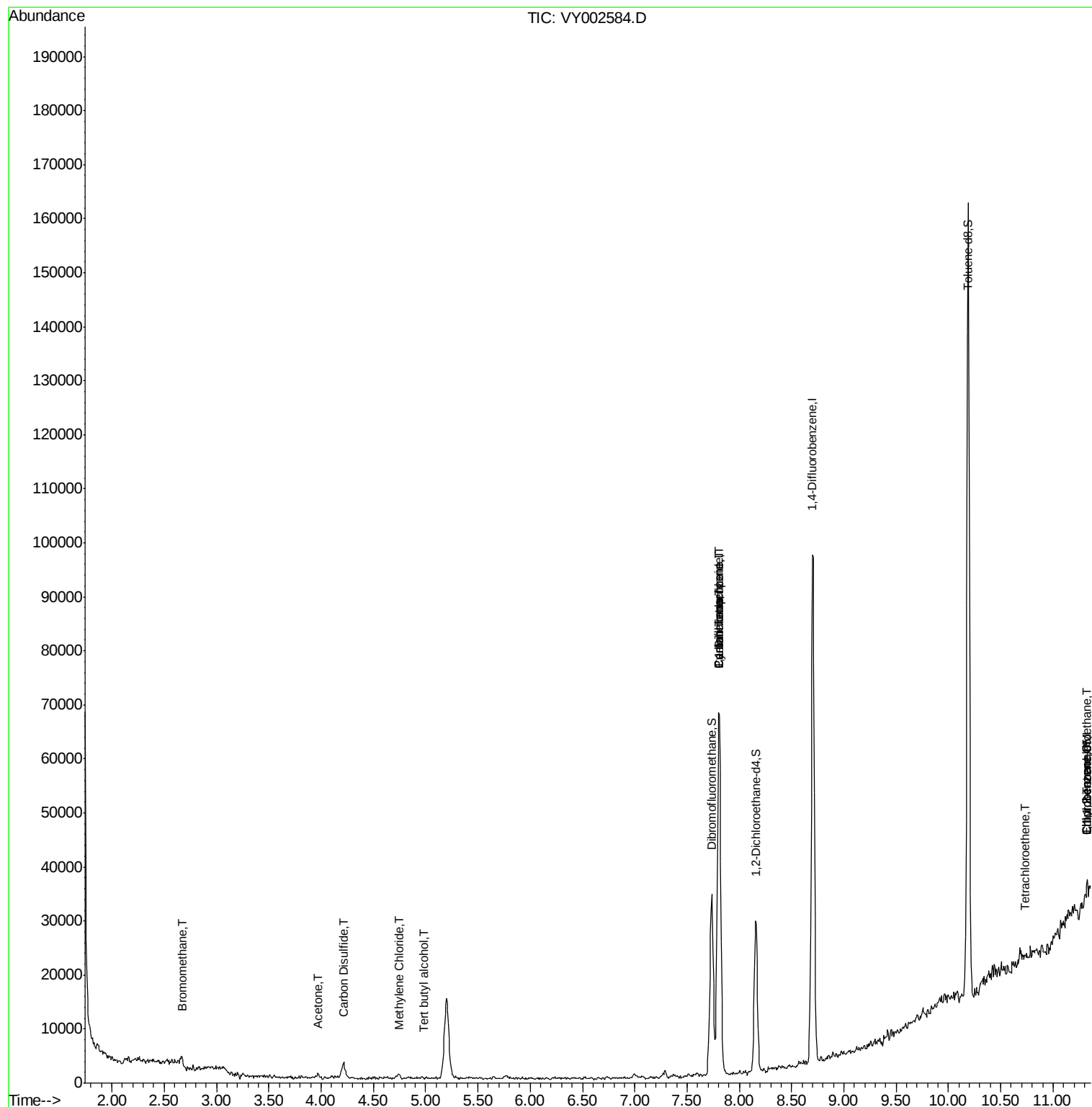
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.67	94	870	2.363	ug/l	90
11) Tert butyl alcohol	4.98	59	284	5.754	ug/l #	74
16) Acetone	3.97	43	773	7.807	ug/l	90
17) Carbon Disulfide	4.22	76	5642	3.818	ug/l #	91
20) Methylene Chloride	4.74	84	647	1.169	ug/l #	91
31) Cyclohexane	7.81	56	1099	1.274	ug/l #	36
36) 1,1-Dichloropropene	7.80	75	3732	5.141	ug/l #	49
38) Carbon Tetrachloride	7.80	117	4986	6.292	ug/l #	16
64) Tetrachloroethene	10.72	164	104	101.784	ug/l #	58
65) Chlorobenzene	11.33	112	89	40.711	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	11.33	131	76	93.653	ug/l #	8
67) Ethyl Benzene	11.33	91	167	43.488	ug/l #	50

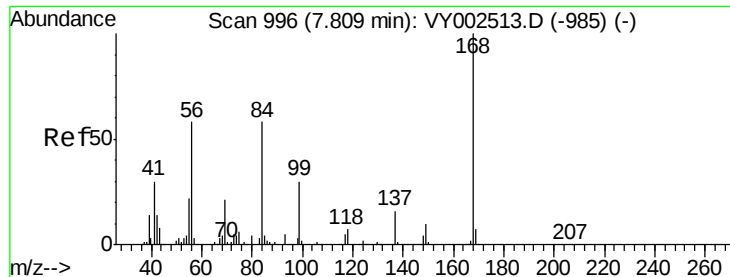
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002584.D

Acq: 05 May 2020 14:21

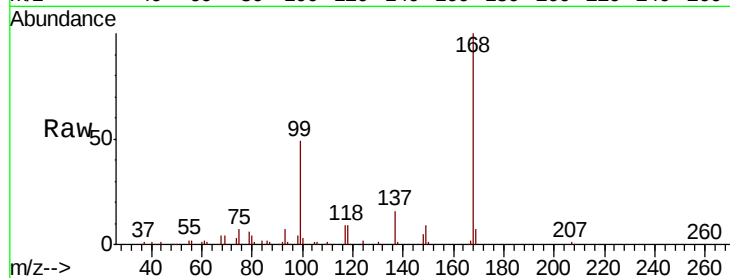
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 57058

Ion Ratio Lower Upper

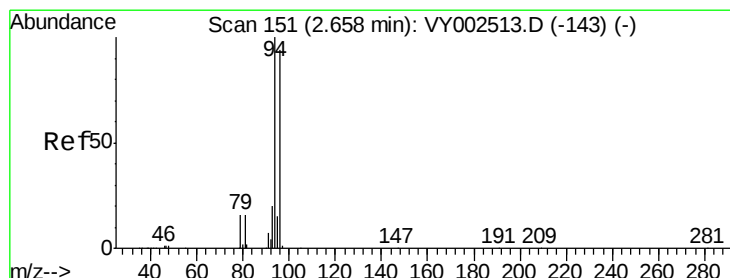
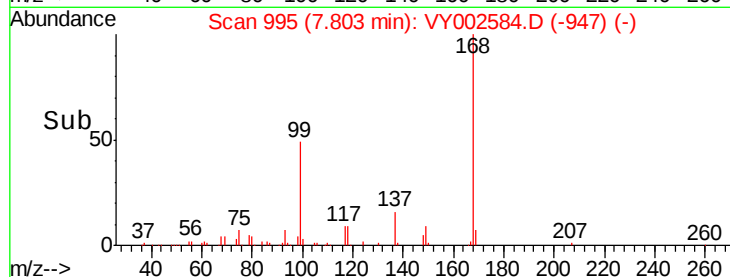
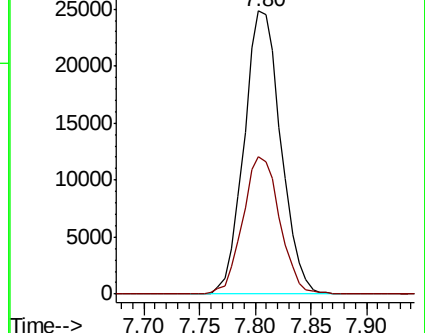
168 100

99 48.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)



#5

Bromomethane

Concen: 2.363 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY002584.D

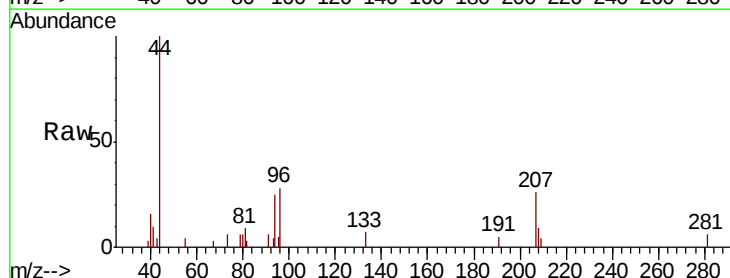
Acq: 05 May 2020 14:21

Tgt Ion: 94 Resp: 870

Ion Ratio Lower Upper

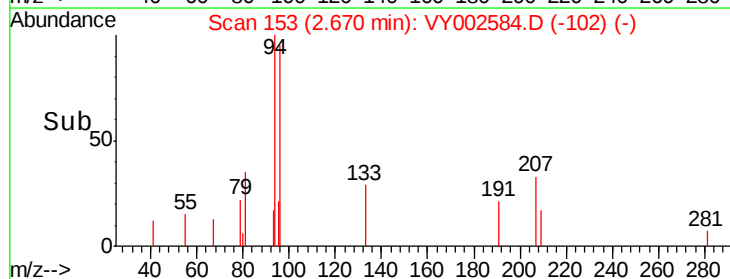
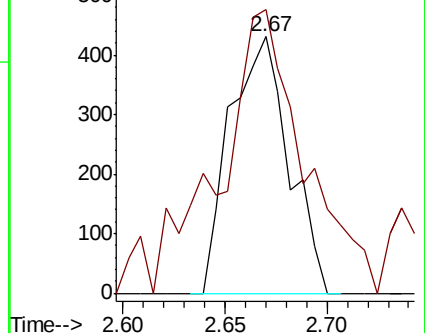
94 100

96 83.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VY002513.D (-143) (-)

Ion 95.90 (95.60 to 96.60): VY002513.D (-143) (-)



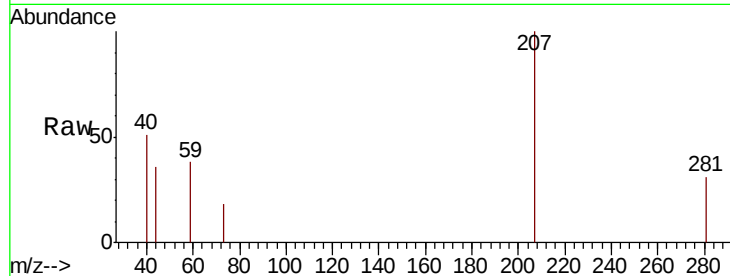


#11

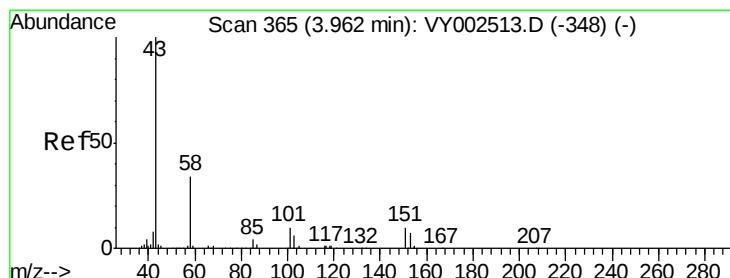
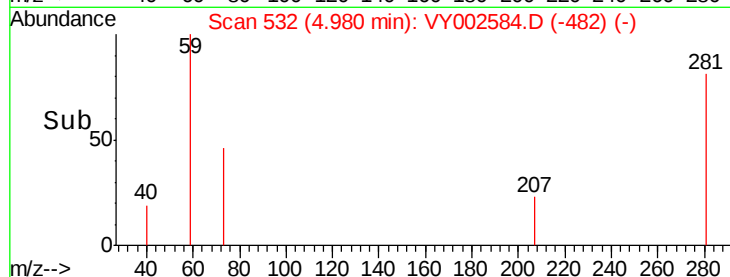
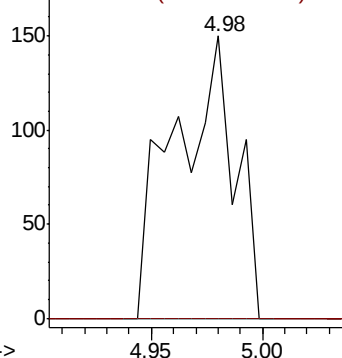
Tert butyl alcohol
 Concen: 5.754 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VY002584.D
 Acq: 05 May 2020 14:21

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 59 Resp: 284
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#



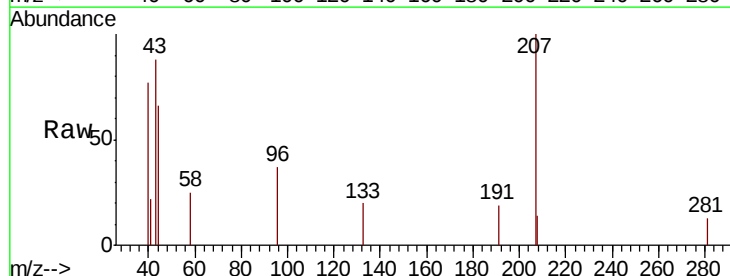
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



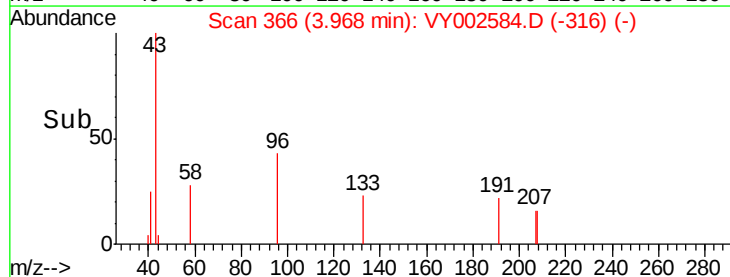
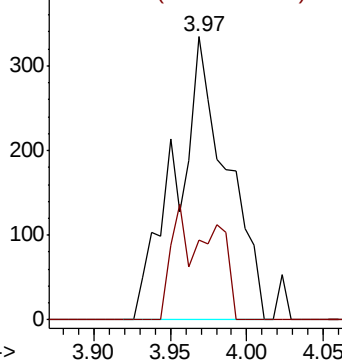
#16

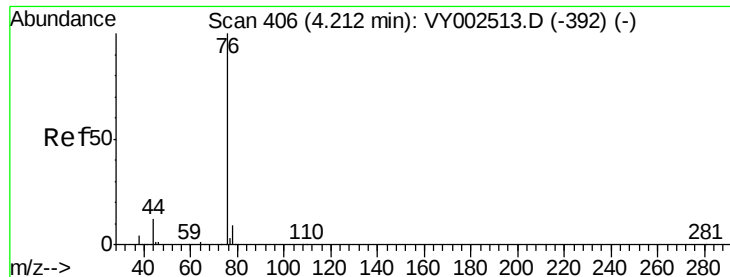
Acetone
 Concen: 7.807 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VY002584.D
 Acq: 05 May 2020 14:21

Tgt Ion: 43 Resp: 773
 Ion Ratio Lower Upper
 43 100
 58 28.1 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 3.818 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.01 min

Lab File: VY002584.D

Acq: 05 May 2020 14:21

Instrument :

MSVOA_Y

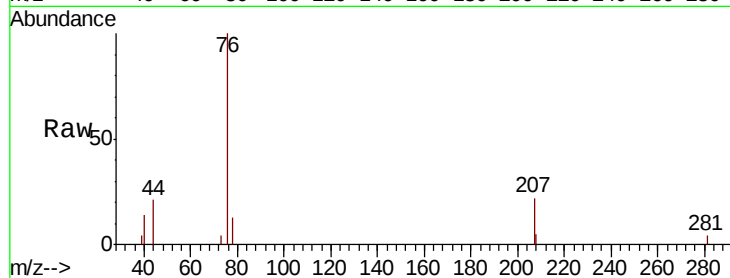
ClientSampleId :

Tot Ion: 76 Resp: 5642

Ion Ratio Lower Upper

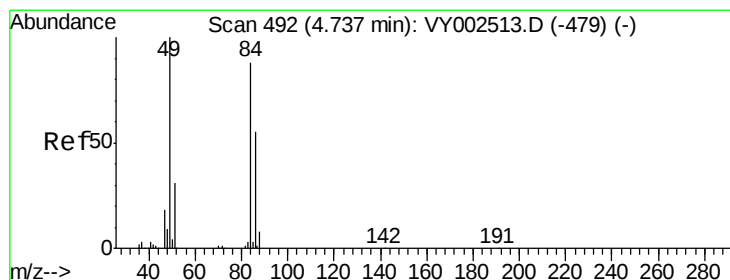
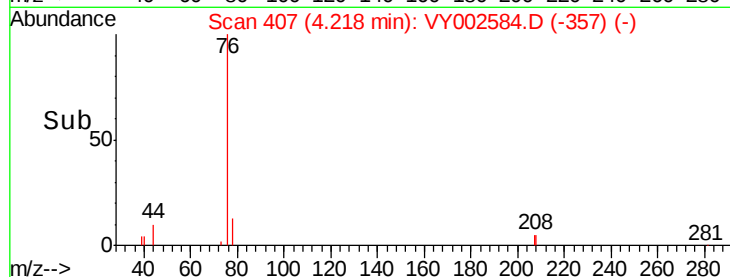
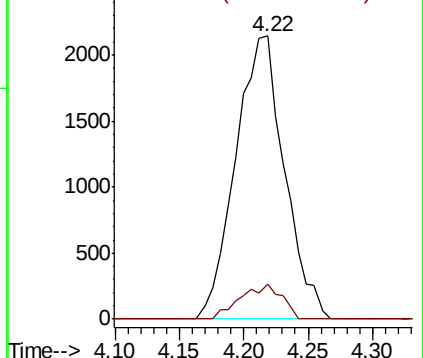
76 100

78 12.5 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#20

Methylene Chloride

Concen: 1.169 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.01 min

Lab File: VY002584.D

Acq: 05 May 2020 14:21

Tgt Ion: 84 Resp: 647

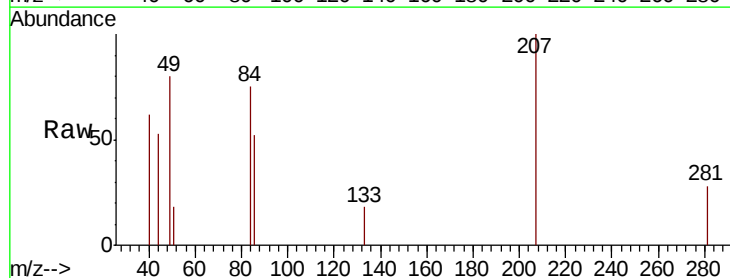
Ion Ratio Lower Upper

84 100

49 107.2 90.5 135.7

51 23.9 28.3 42.5#

86 70.1 49.9 74.9

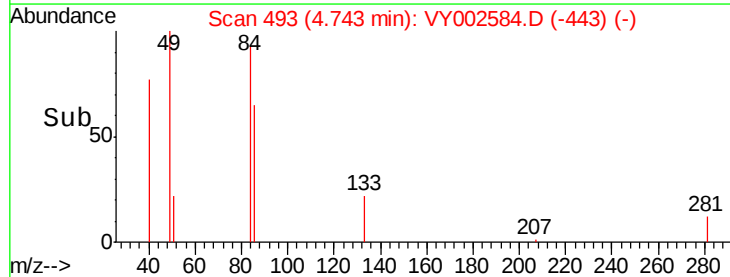
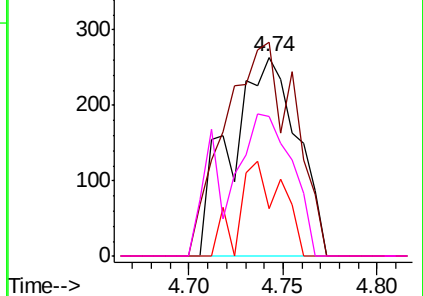


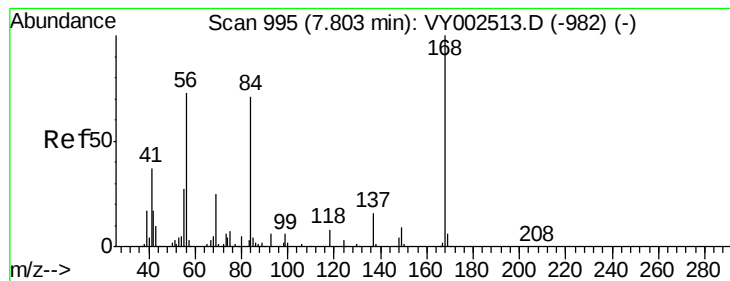
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

Cvclohexane

Concen: 1.274 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002584.D

Acq: 05 May 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

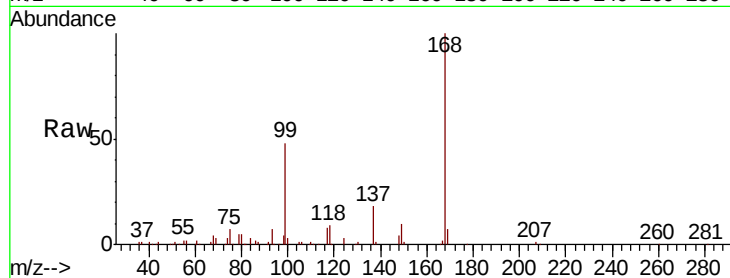
Tot Ion: 56 Resp: 1099

Ion Ratio Lower Upper

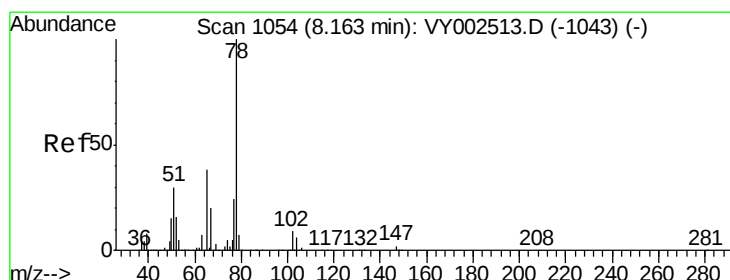
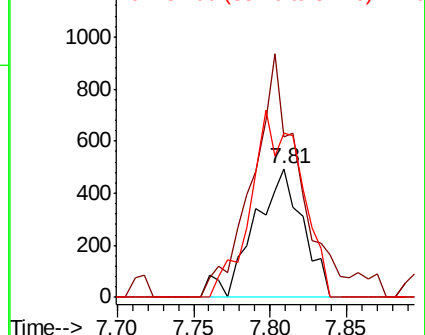
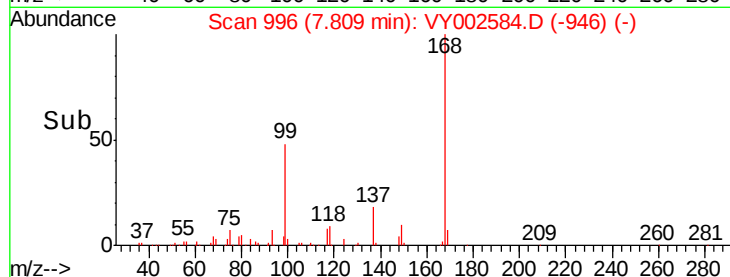
56 100

69 124.3 27.6 41.4#

84 128.1 77.7 116.5#



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: 45.519 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002584.D

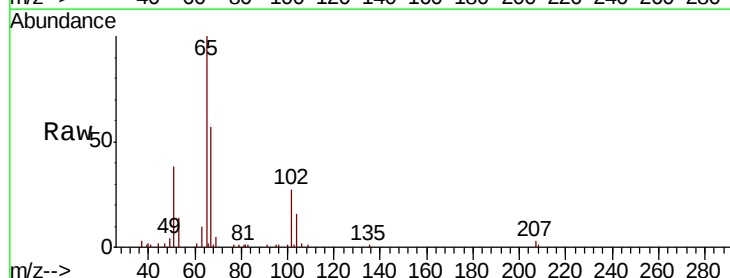
Acq: 05 May 2020 14:21

Tgt Ion: 65 Resp: 21838

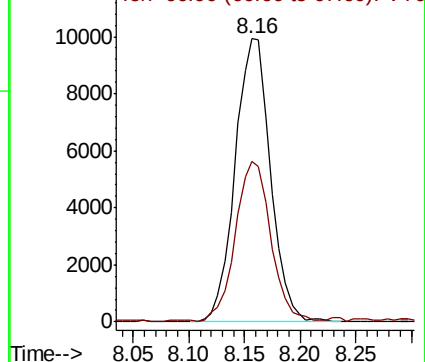
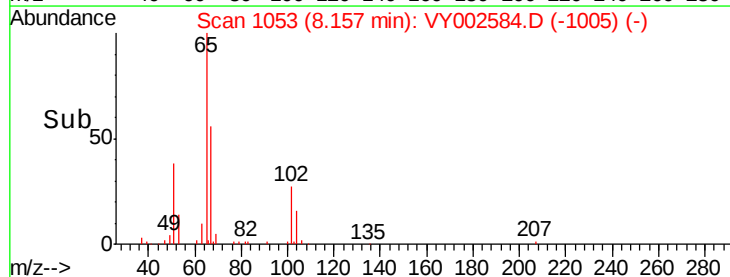
Ion Ratio Lower Upper

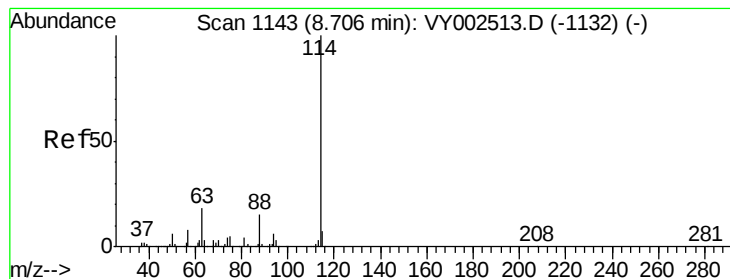
65 100

67 57.1 0.0 107.2



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: 8.71 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VY002584.D

Acq: 05 May 2020 14:21

Instrument :

MSVOA_Y

ClientSampled :

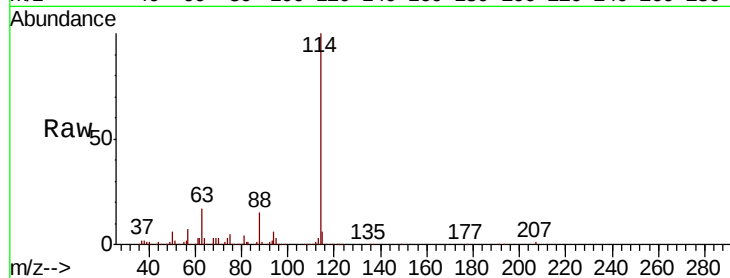
Tot Ion:114 Resp: 86588

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.4

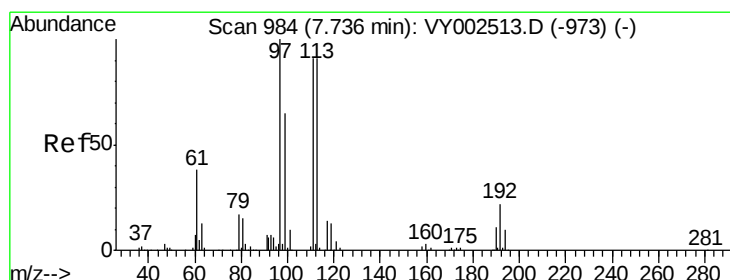
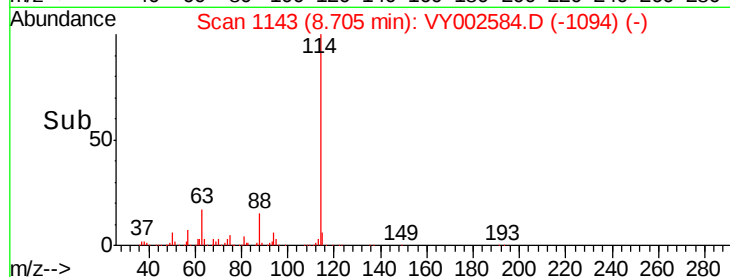
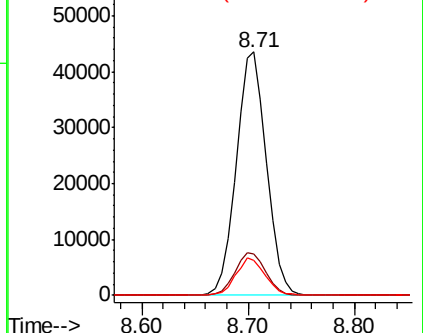
88 14.5 0.0 29.6



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: 48.405 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002584.D

Acq: 05 May 2020 14:21

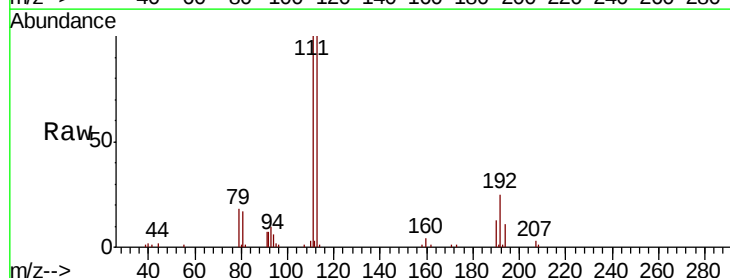
Tgt Ion:113 Resp: 23970

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.6

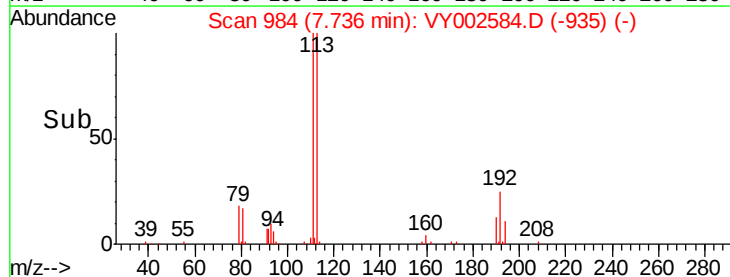
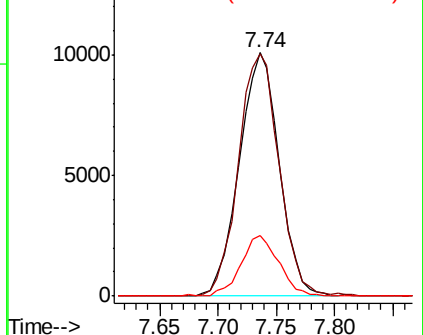
192 23.5 18.2 27.4

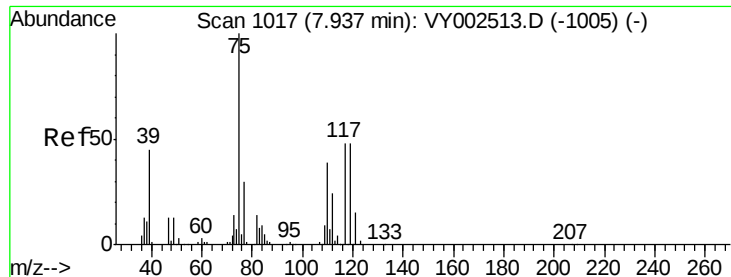


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

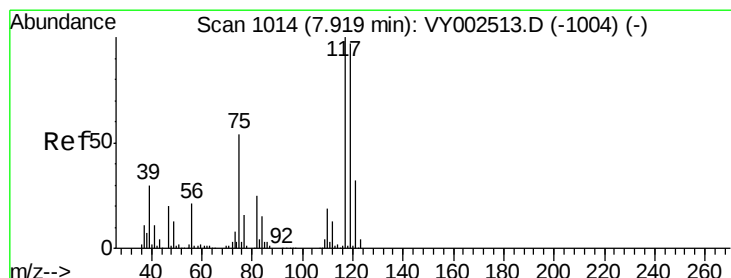
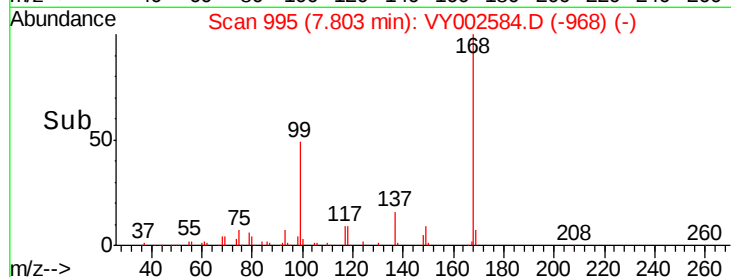
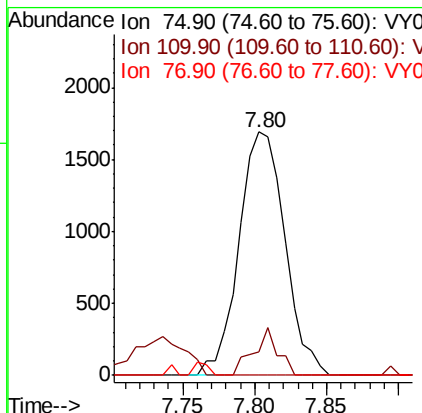
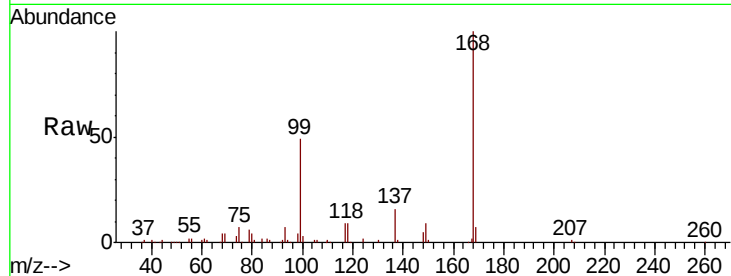




#36
 1,1-Dichloropropene
 Concen: 5.141 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002584.D
 Acq: 05 May 2020 14:21

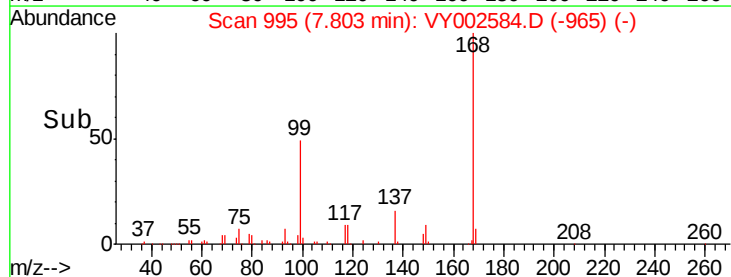
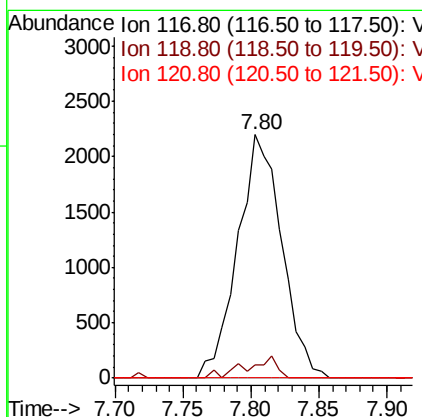
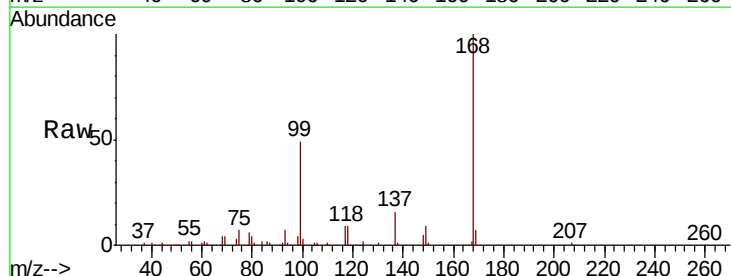
Instrument :
 MSVOA_Y
 ClientSampleId :

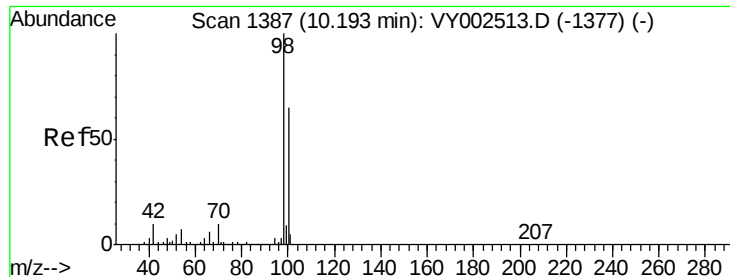
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.292 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY002584.D
 Acq: 05 May 2020 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.1	115.7#
121	0.0	25.2	37.8#





#50

Toluene-d8

Concen: 51.779 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002584.D

Acq: 05 May 2020 14:21

Instrument :

MSVOA_Y

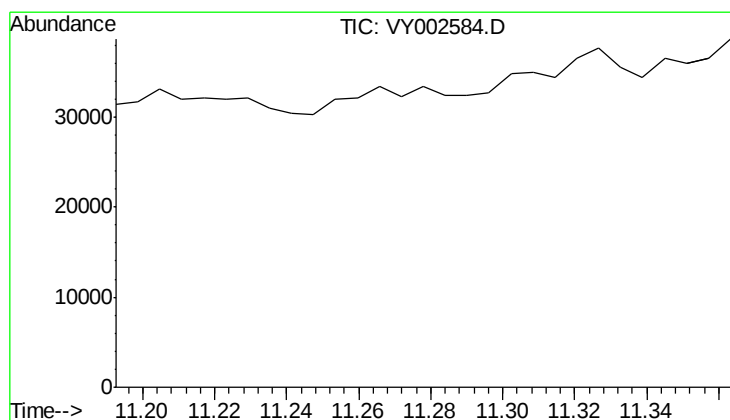
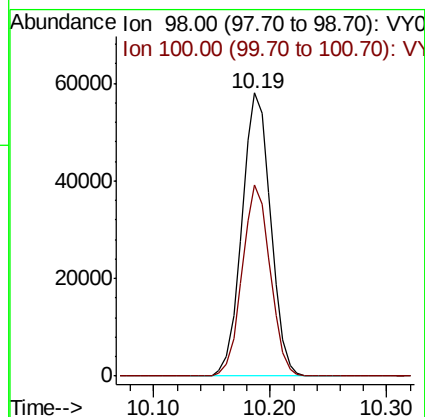
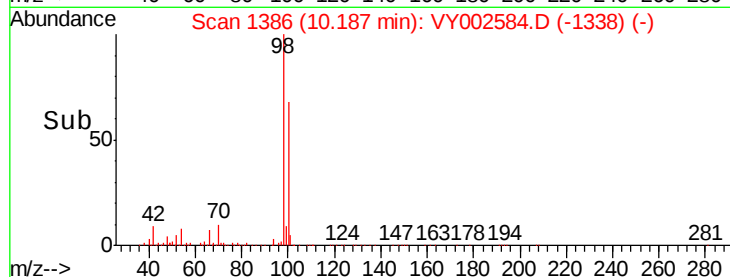
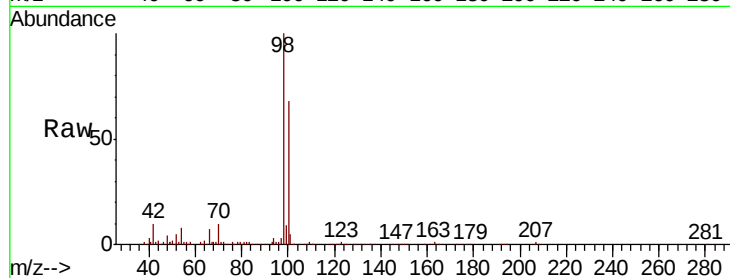
ClientSampleId :

Tot Ion: 98 Resp: 100131

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.49 min

Lab File: VY002584.D

Acq: 05 May 2020 14:21

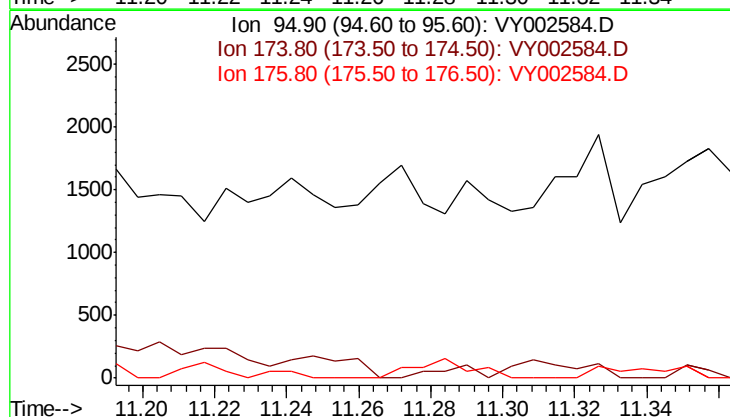
Tgt Ion: 95

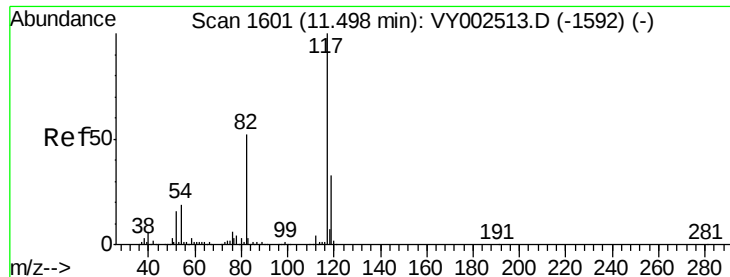
Sig Exp Ratio

95 100

174 94.4

176 91.6

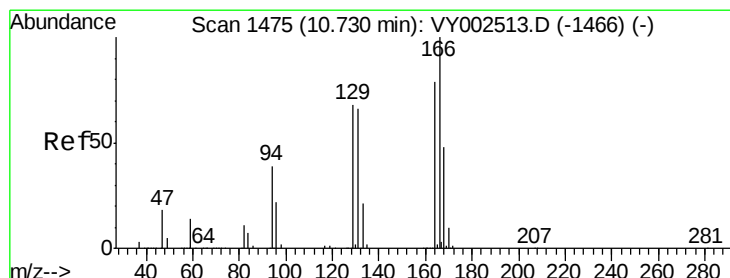
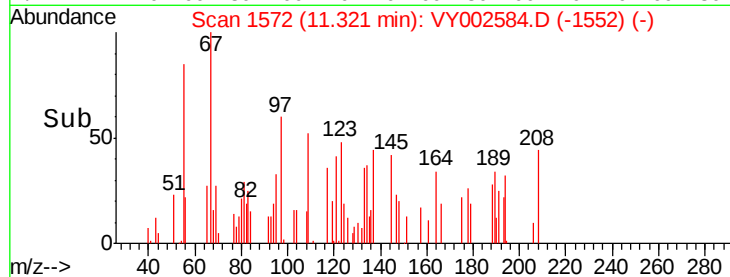
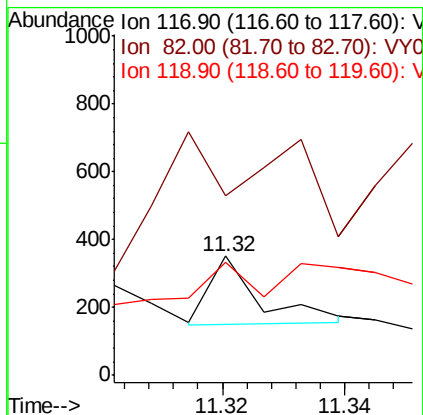
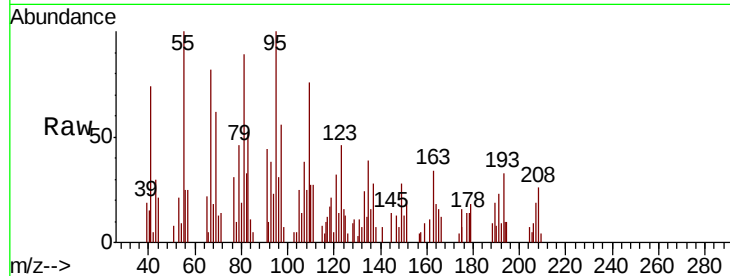




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.32 min Scan# 1572
Delta R.T. -0.18 min
Lab File: VY002584.D
Acq: 05 May 2020 14:21

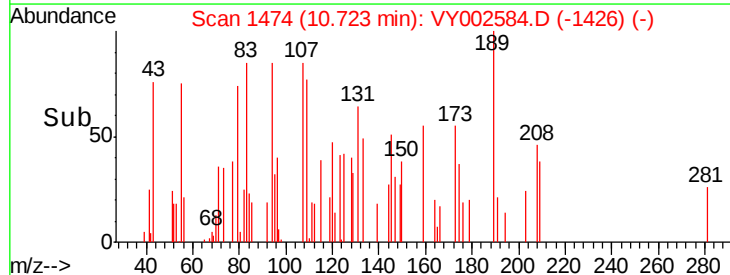
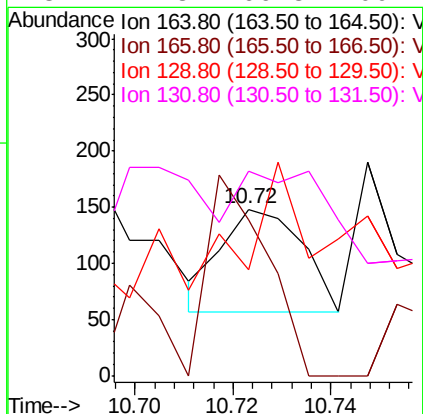
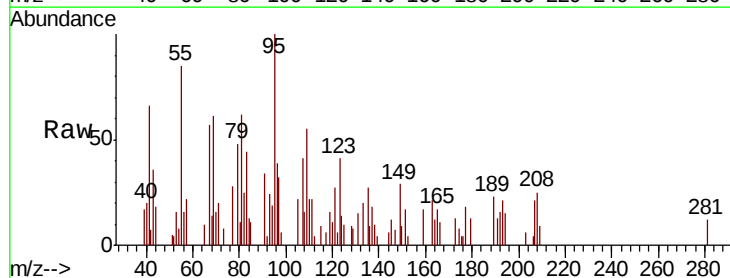
Instrument :
MSVOA_Y
ClientSampleId :

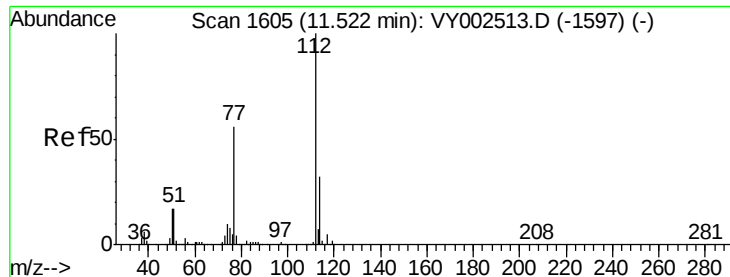
Tot Ion:117 Resp: 115
Ion Ratio Lower Upper
117 100
82 61.3 41.3 61.9
119 54.6 26.0 39.0#



#64
Tetrachloroethene
Concen: 101.784 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002584.D
Acq: 05 May 2020 14:21

Tgt Ion:164 Resp: 104
Ion Ratio Lower Upper
164 100
166 152.7 100.7 151.1#
129 19.8 68.3 102.5#
131 47.3 66.8 100.2#





#65

Chlorobenzene

Concen: 40.711 ug/l

RT: 11.33 min Scan# 1574

Delta R.T. -0.19 min

Lab File: VY002584.D

Acq: 05 May 2020 14:21

Instrument :

MSVOA_Y

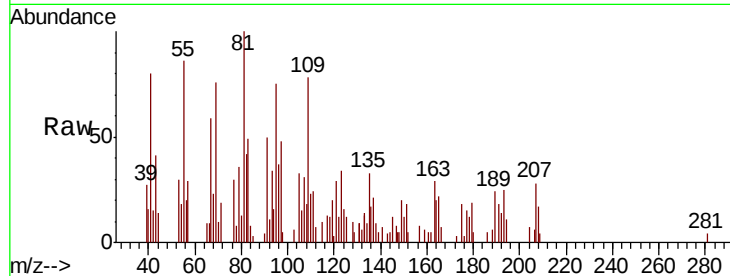
ClientSampled :

Tot Ion:112 Resp: 89

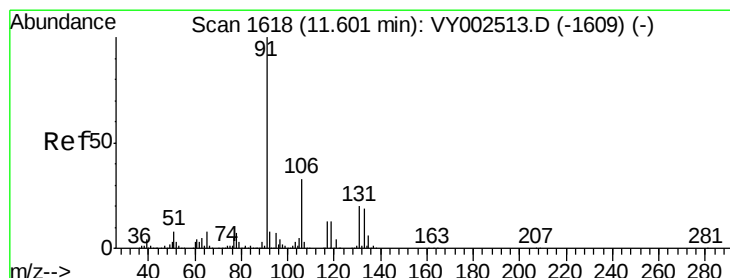
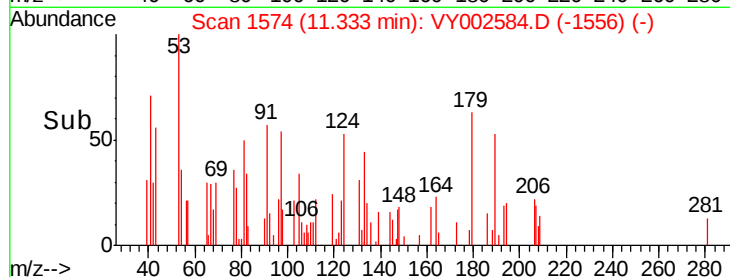
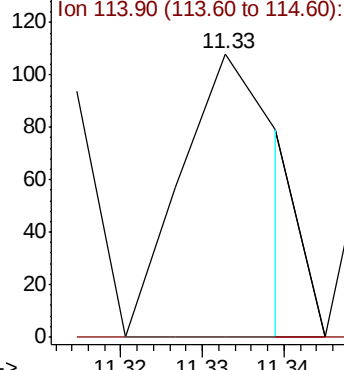
Ion Ratio Lower Upper

112 100

114 0.0 25.8 38.6#



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 93.653 ug/l

RT: 11.33 min Scan# 1574

Delta R.T. -0.27 min

Lab File: VY002584.D

Acq: 05 May 2020 14:21

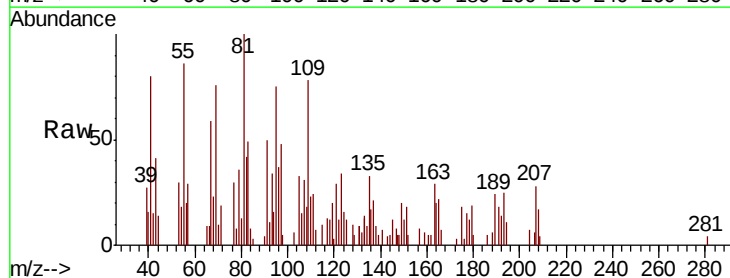
Tgt Ion:131 Resp: 76

Ion Ratio Lower Upper

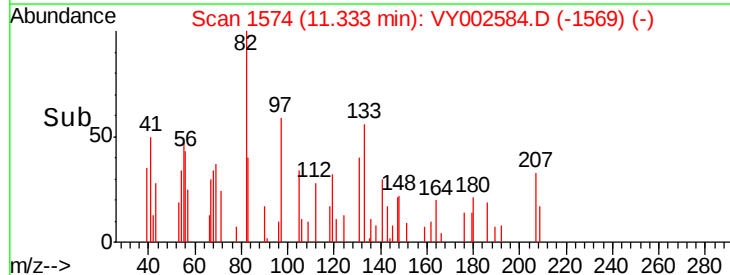
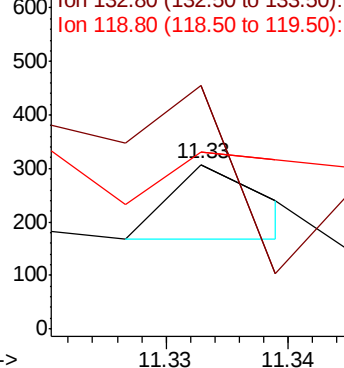
131 100

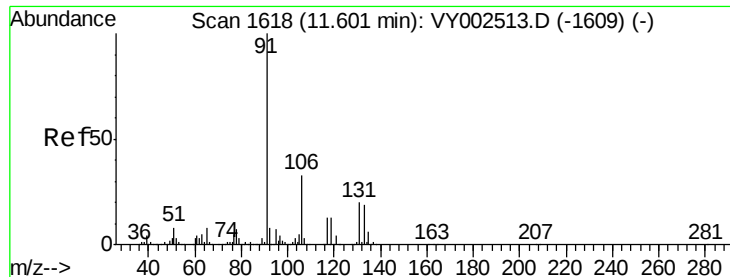
133 0.0 48.1 144.4#

119 0.0 31.6 95.0#



Abundance Ion 130.80 (130.50 to 131.50): V

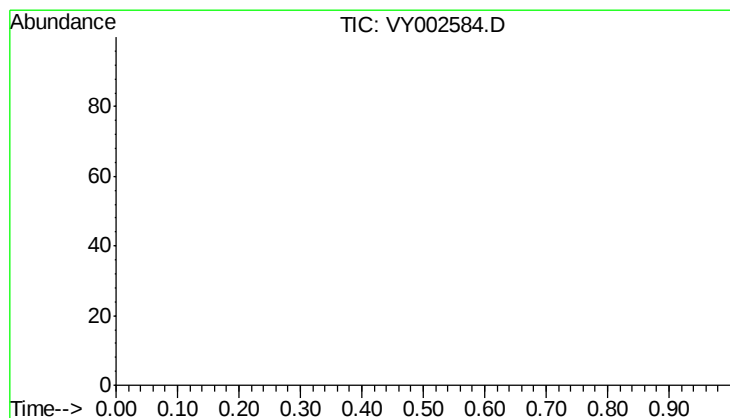
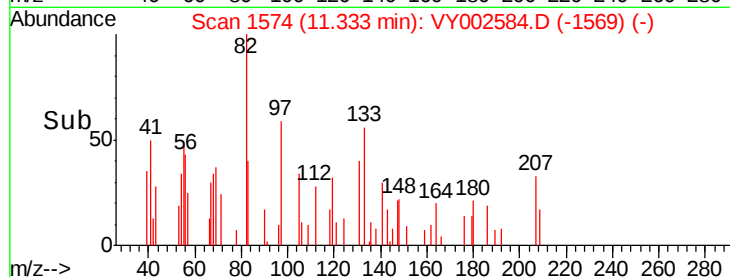
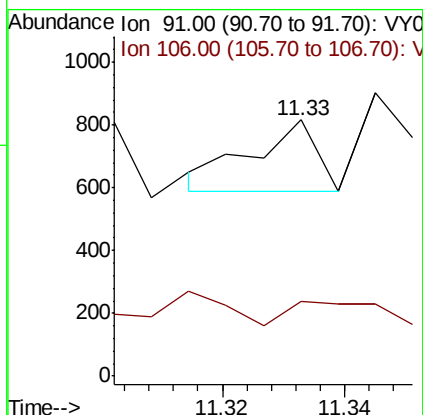
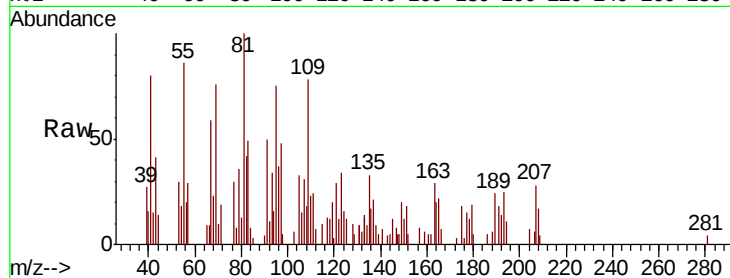




#67
Ethyl Benzene
Concen: 43.488 ug/l
RT: 11.33 min Scan# 1574
Delta R.T. -0.27 min
Lab File: VY002584.D
Acq: 05 May 2020 14:21

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 91 Resp: 167
Ion Ratio Lower Upper
91 100
106 4.4 26.1 39.1#



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.44 min

Lab File: VY002584.D
Acq: 05 May 2020 14:21

Tgt Ion: 152
Sig Exp Ratio
152 100
115 54.9
150 173.2

