

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002639.D
 Acq On : 08 May 2020 13:52
 Operator : SY/MD
 Sample : L2503-01
 Misc : 8.66G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 09 03:46:05 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	7.82	168	323116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	498121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	434331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	185891	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	139876	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
35) Dibromofluoromethane	7.74	113	150749	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
50) Toluene-d8	10.19	98	577429	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.49	95	173011	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	

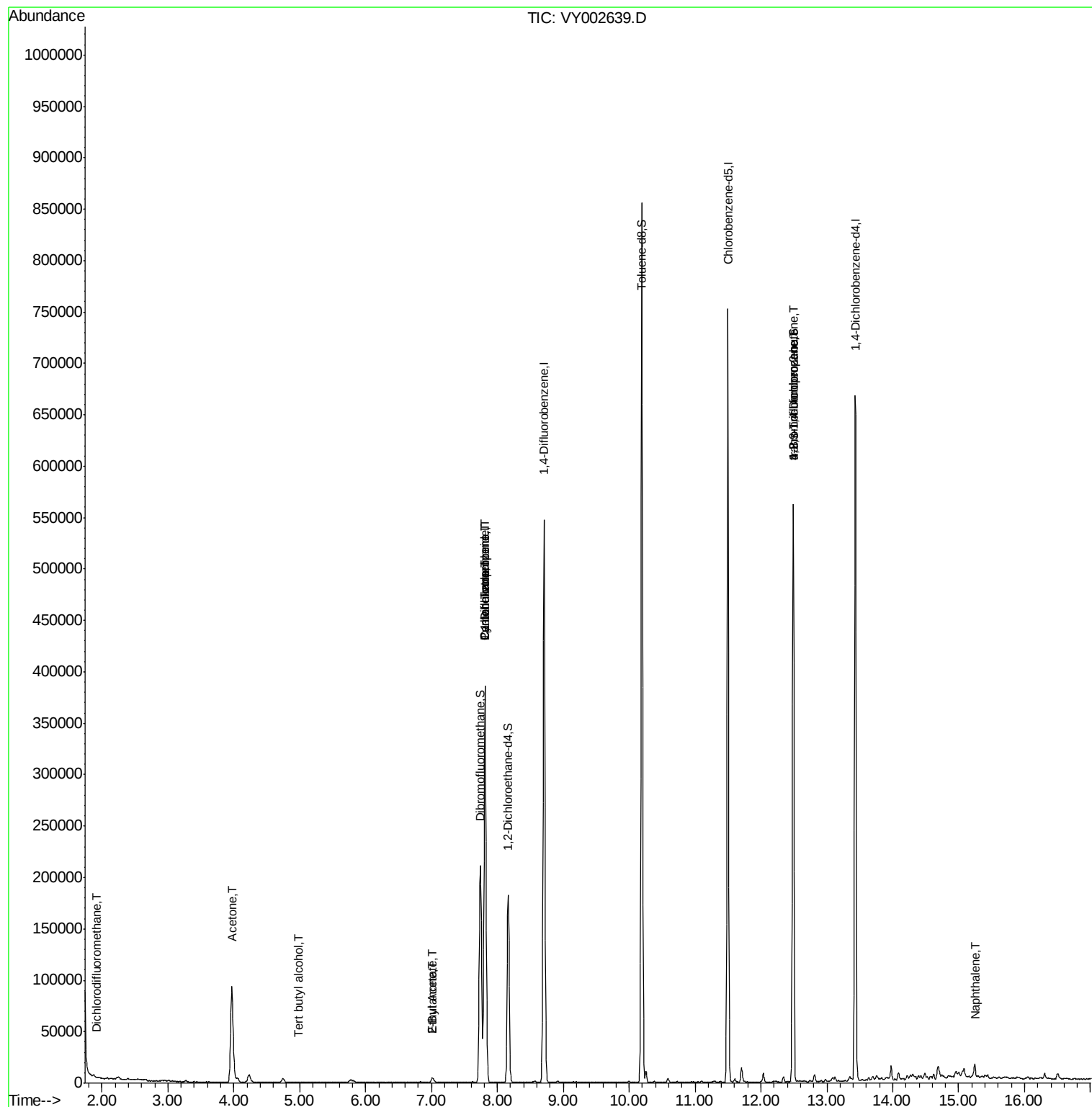
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	24	1.793	ug/l #	43
11) Tert butyl alcohol	4.99	59	897	3.209	ug/l #	80
16) Acetone	3.97	43	161618	288.247	ug/l	99
25) 2-Butanone	7.02	43	5108	5.565	ug/l	94
31) Cyclohexane	7.81	56	5209	1.067	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	19597	4.693	ug/l #	49
37) Ethyl Acetate	7.02	43	5108	2.380	ug/l #	67
38) Carbon Tetrachloride	7.82	117	29023	6.366	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	83943	50.814	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	83943	101.893	ug/l #	15
95) Naphthalene	15.25	128	11966	1.777	ug/l	99

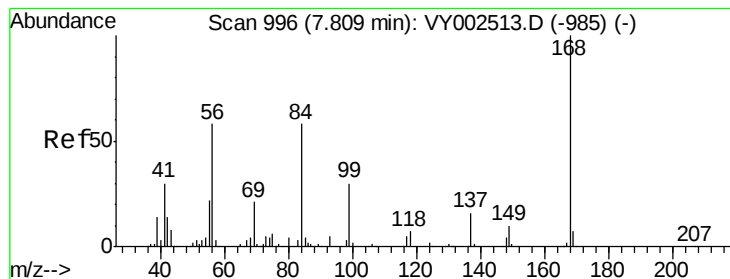
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 8.66G/5ML/MSVOA Y/SOIL
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Quant Time: May 09 03:46:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002639.D

Acq: 08 May 2020 13:52

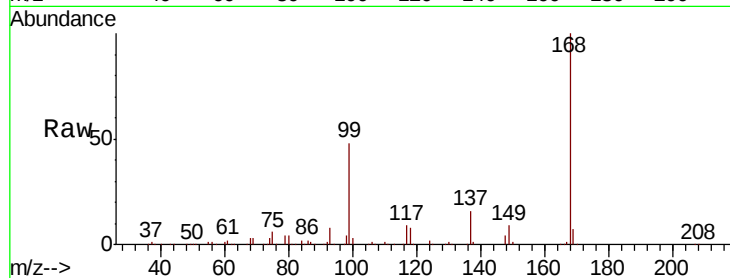
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 323116

Ion Ratio Lower Upper

168 100

99 48.4 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) (-)

7.82

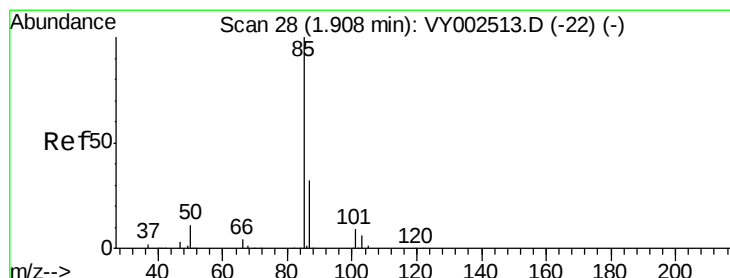
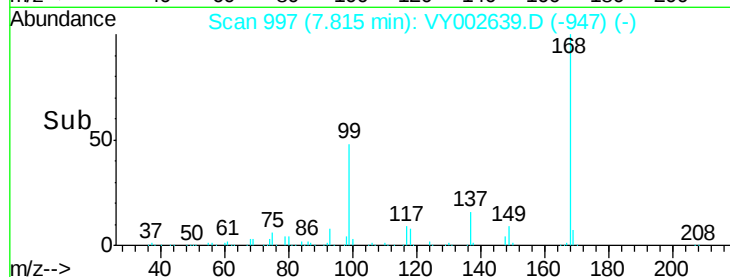
150000

100000

50000

0

Time--> 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 1.793 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002639.D

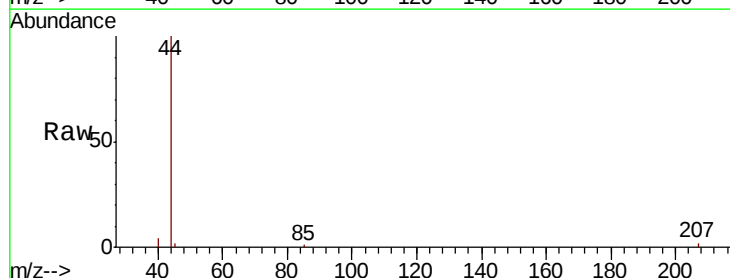
Acq: 08 May 2020 13:52

Tgt Ion: 85 Resp: 24

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

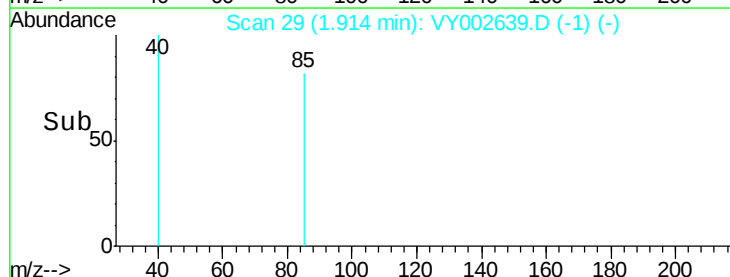
60

40

20

0

Time--> 1.89 1.90 1.91 1.92 1.93



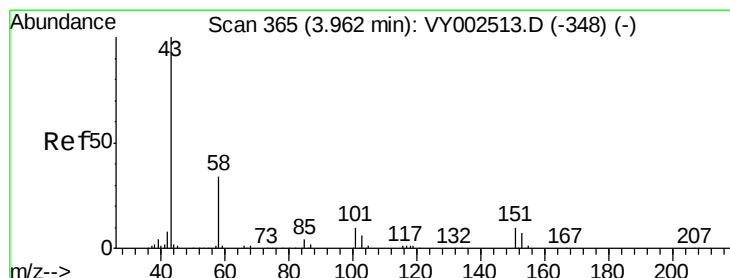
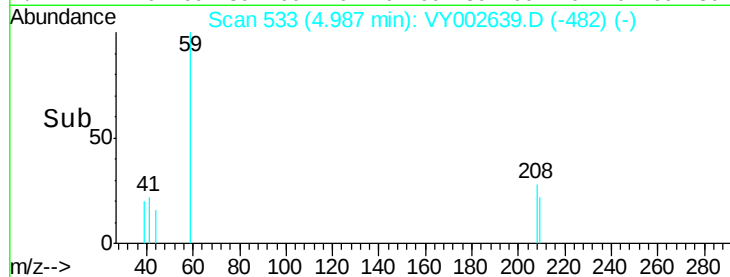
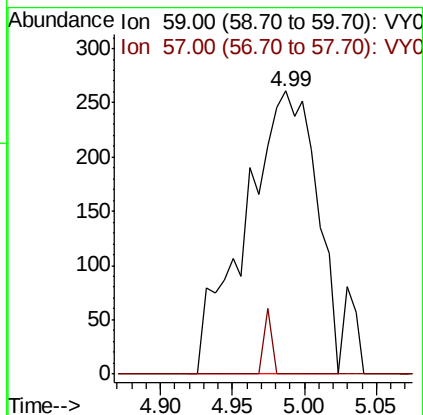
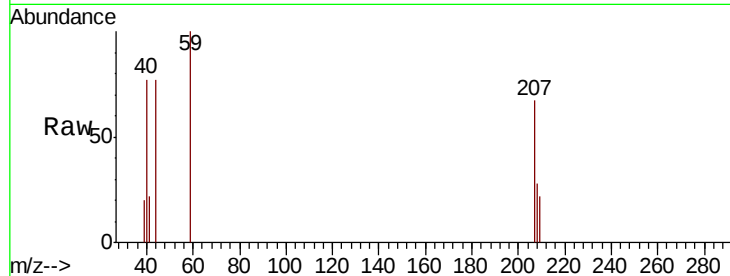


#11

Tert butyl alcohol
 Concen: 3.209 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VY002639.D
 Acq: 08 May 2020 13:52

Instrument :
 MSVOA_Y
 ClientSampleId :

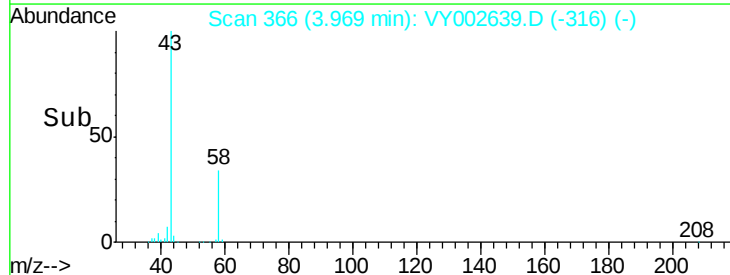
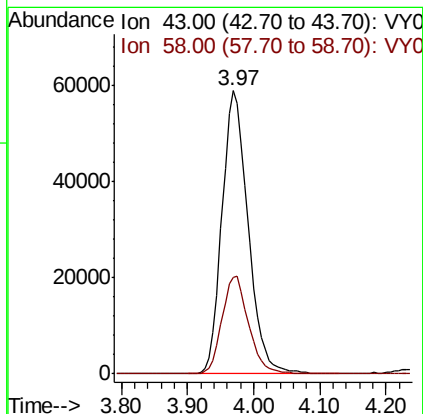
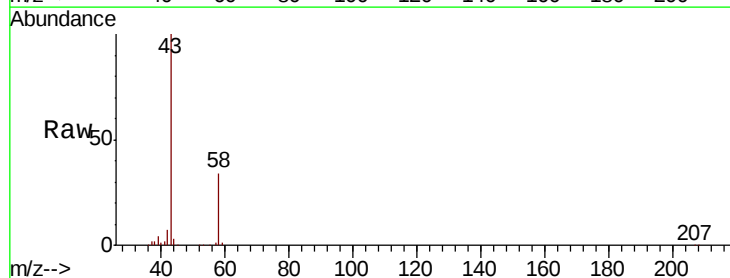
Tot Ion: 59 Resp: 897
 Ion Ratio Lower Upper
 59 100
 57 2.5 7.8 11.6#

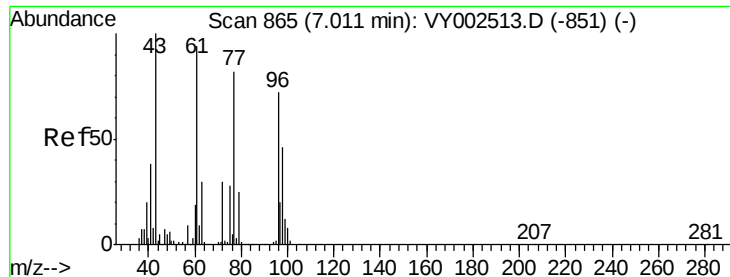


#16

Acetone
 Concen: 288.247 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VY002639.D
 Acq: 08 May 2020 13:52

Tgt Ion: 43 Resp: 161618
 Ion Ratio Lower Upper
 43 100
 58 34.3 26.9 40.3

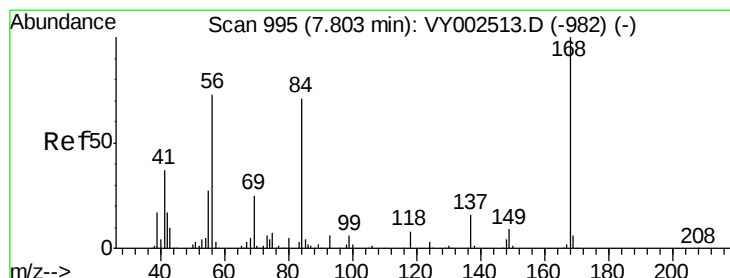
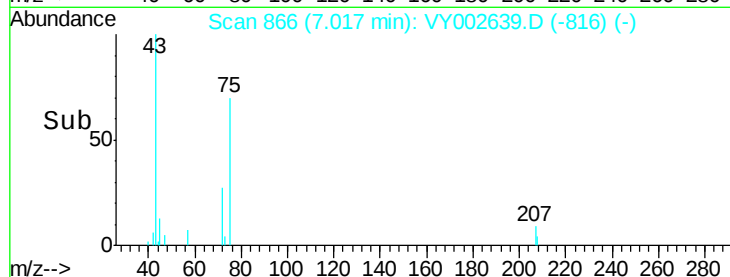
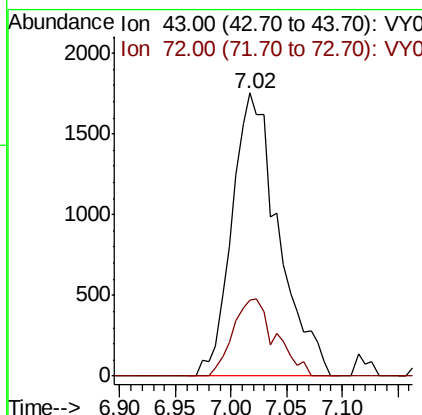
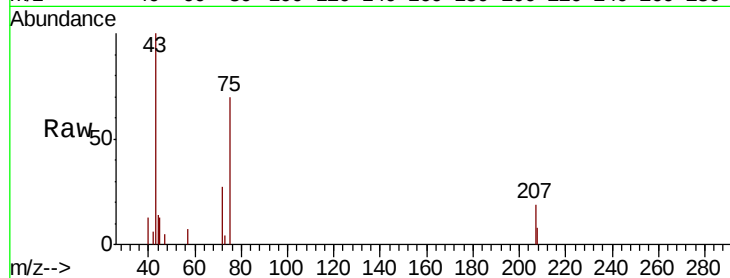




#25
2-Butanone
Concen: 5.565 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002639.D
Acq: 08 May 2020 13:52

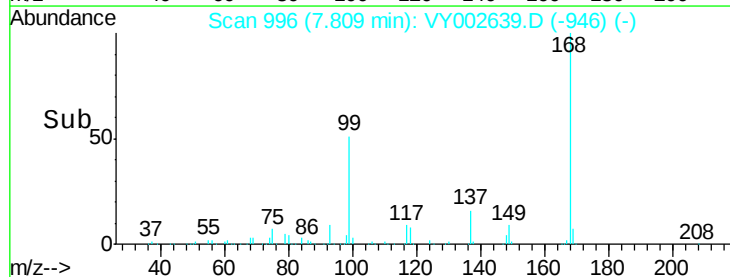
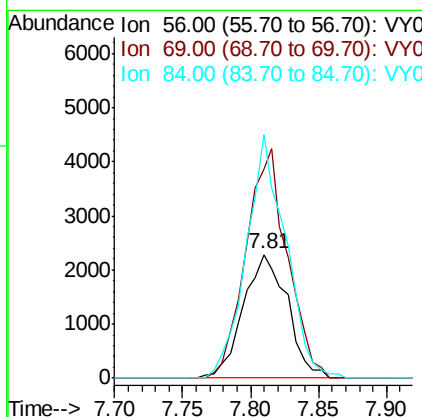
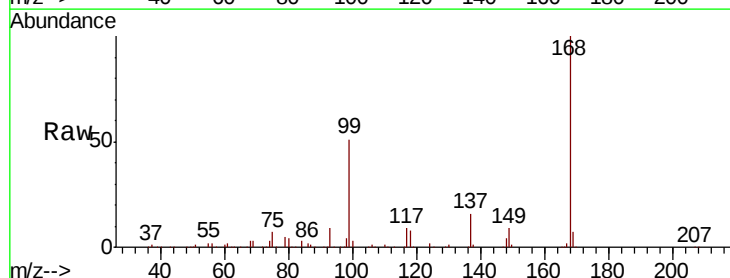
Instrument :
MSVOA_Y
ClientSampleId :

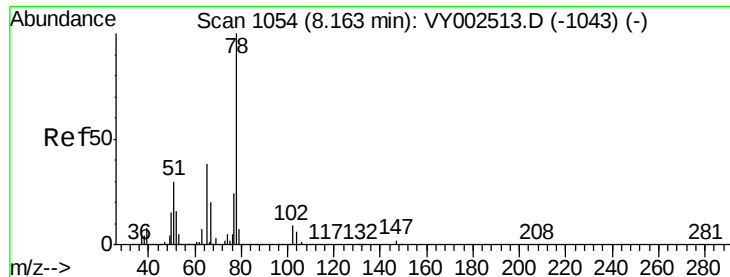
Tot Ion: 43 Resp: 5108
Ion Ratio Lower Upper
43 100
72 27.0 24.1 36.1



#31
Cyclohexane
Concen: 1.067 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.01 min
Lab File: VY002639.D
Acq: 08 May 2020 13:52

Tgt Ion: 56 Resp: 5209
Ion Ratio Lower Upper
56 100
69 169.4 27.6 41.4#
84 197.2 77.7 116.5#

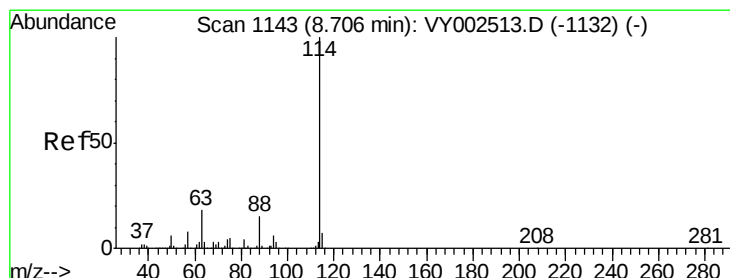
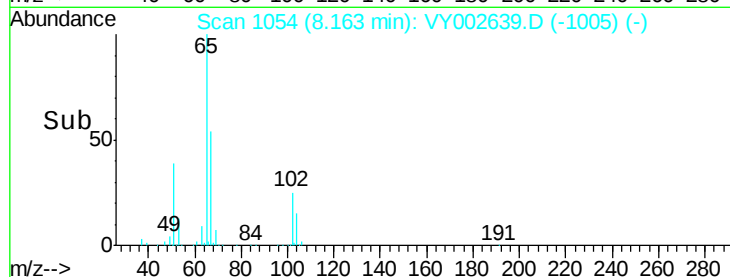
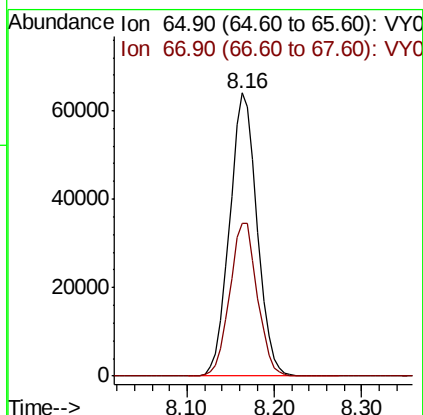
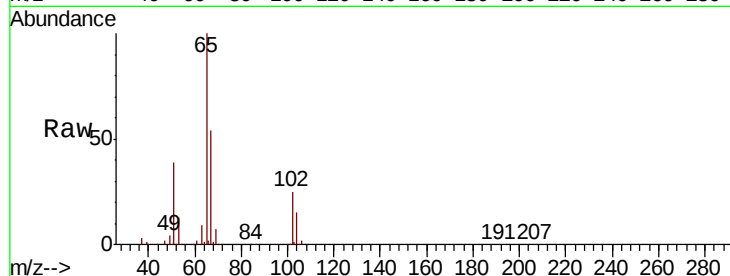




#33
 1,2-Dichloroethane-d4
 Concen: 51.485 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY002639.D
 Acq: 08 May 2020 13:52

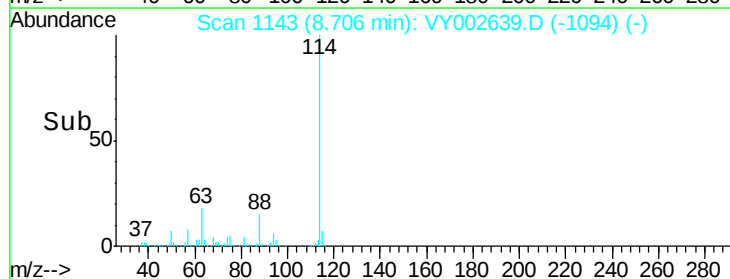
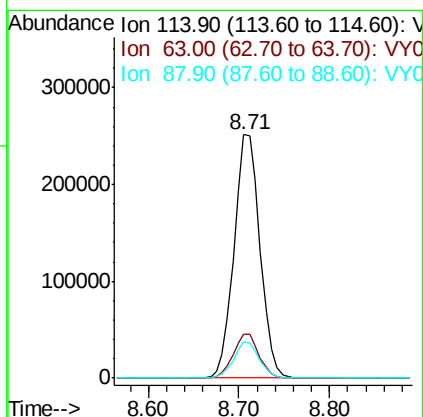
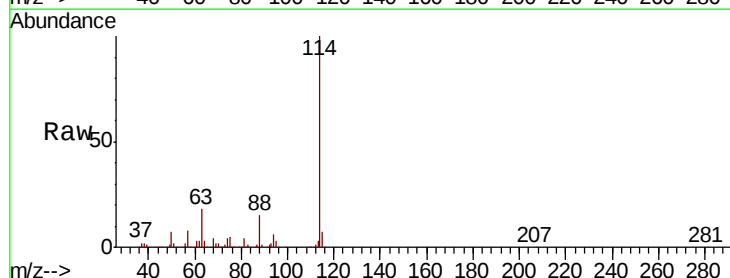
Instrument :
 MSVOA_Y
 ClientSampleId :

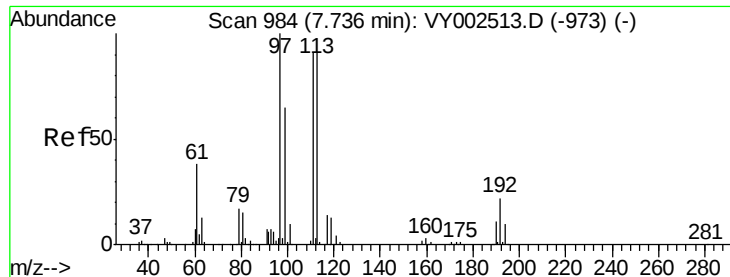
Tot Ion: 65 Resp: 139876
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002639.D
 Acq: 08 May 2020 13:52

Tgt Ion: 114 Resp: 498121
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.4
 88 14.9 0.0 29.6

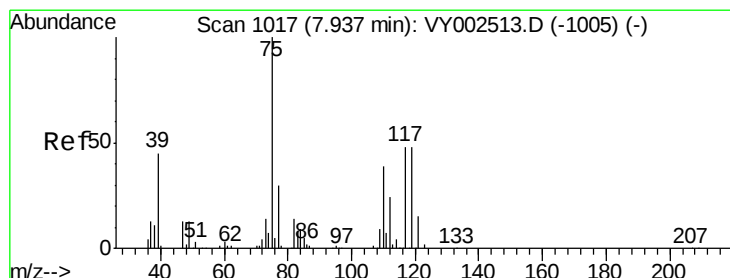
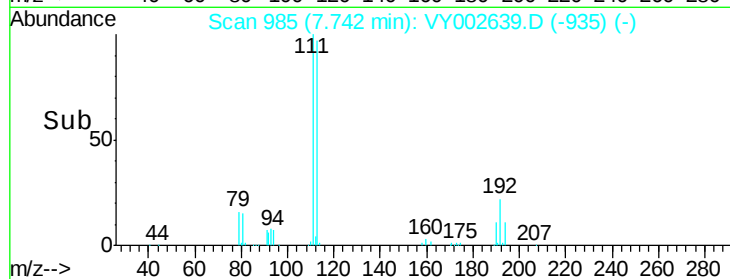
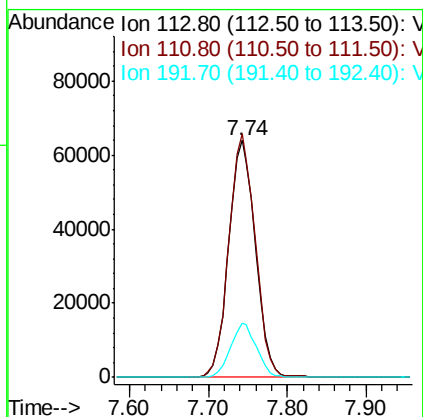
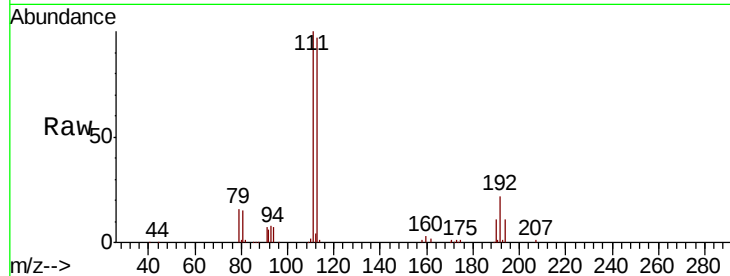




#35
Dibromofluoromethane
Concen: 52.917 ug/l
RT: 7.74 min Scan# 985
Delta R.T. 0.01 min
Lab File: VY002639.D
Acq: 08 May 2020 13:52

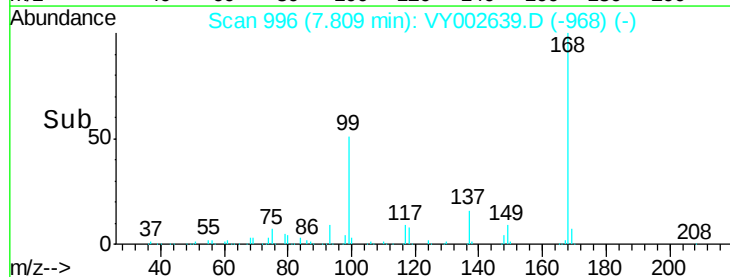
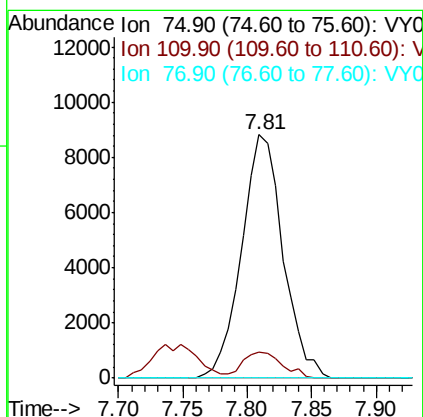
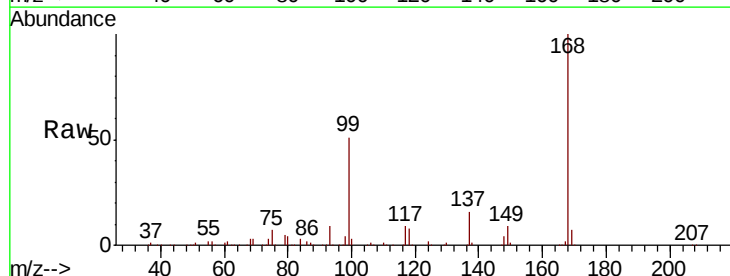
Instrument :
MSVOA_Y
ClientSampleId :

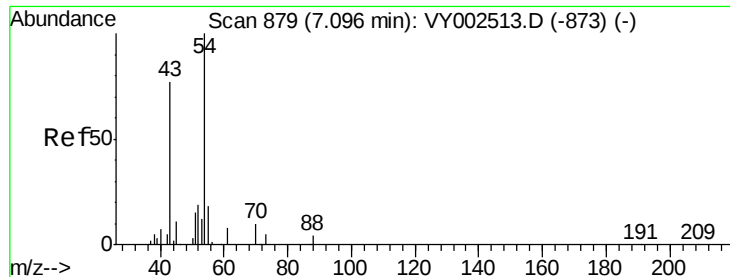
Tot Ion:113 Resp: 150749
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.6
192 22.3 18.2 27.4



#36
1,1-Dichloropropene
Concen: 4.693 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.13 min
Lab File: VY002639.D
Acq: 08 May 2020 13:52

Tgt Ion: 75 Resp: 19597
Ion Ratio Lower Upper
75 100
110 10.4 19.1 57.3#
77 0.0 24.6 37.0#

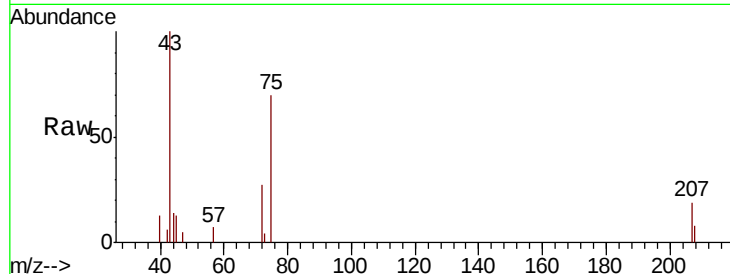




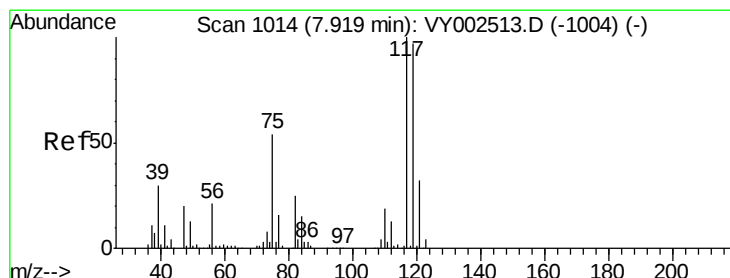
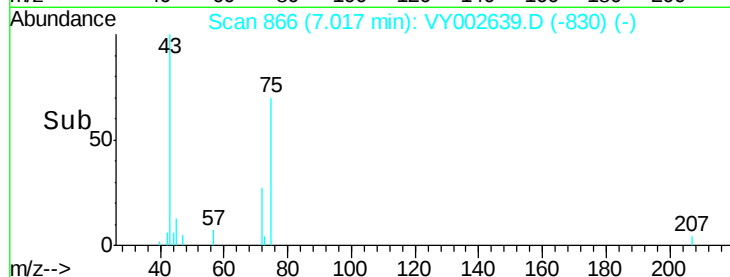
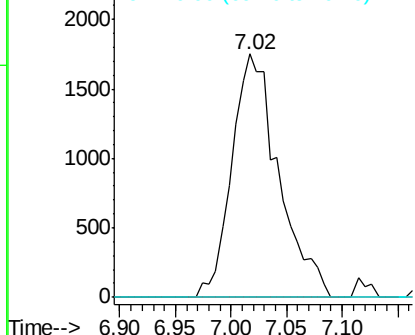
#37
Ethyl Acetate
Concen: 2.380 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.08 min
Lab File: VY002639.D
Acq: 08 May 2020 13:52

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 5108
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 9.0 13.6#

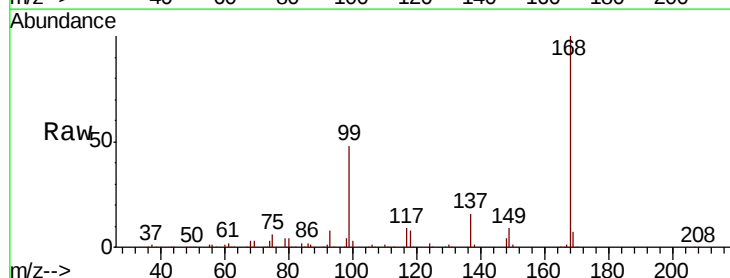


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

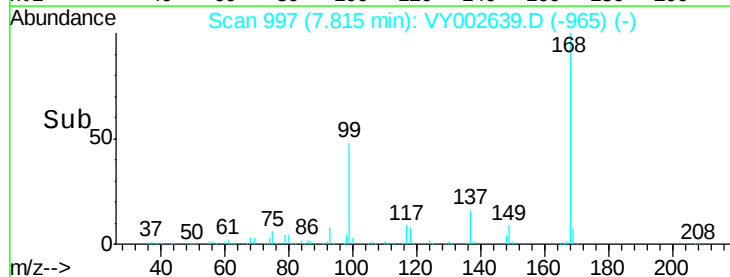
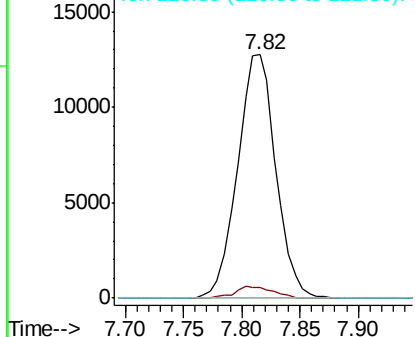


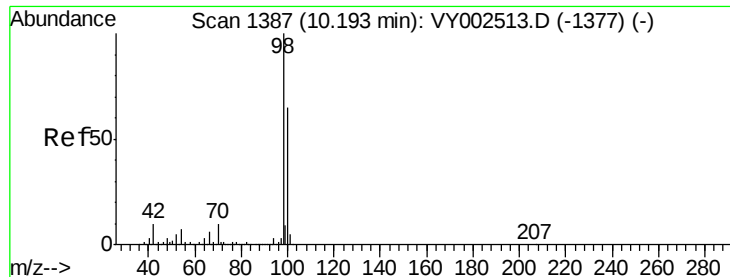
#38
Carbon Tetrachloride
Concen: 6.366 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY002639.D
Acq: 08 May 2020 13:52

Tgt Ion: 117 Resp: 29023
Ion Ratio Lower Upper
117 100
119 4.4 77.1 115.7#
121 0.0 25.2 37.8#



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: 51.904 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002639.D

Acq: 08 May 2020 13:52

Instrument :

MSVOA_Y

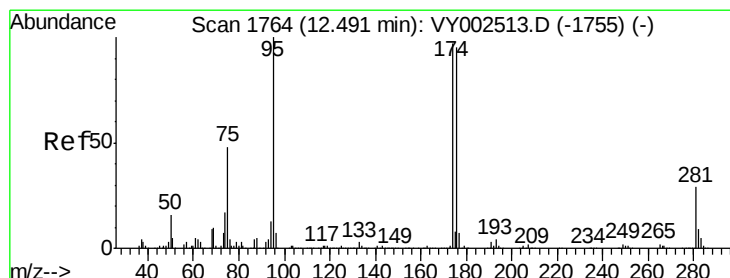
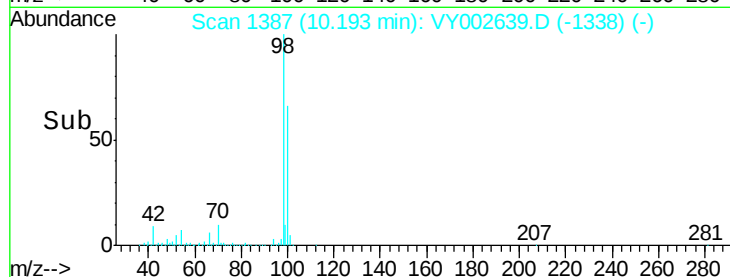
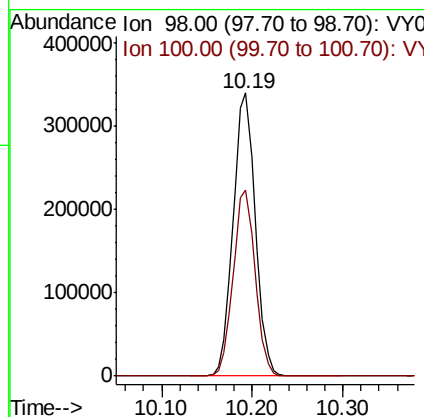
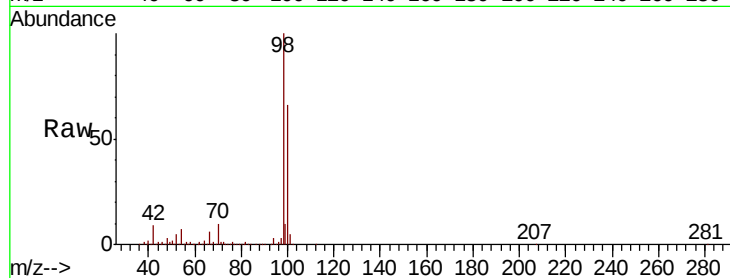
ClientSampleId :

Tot Ion: 98 Resp: 577429

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 45.831 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002639.D

Acq: 08 May 2020 13:52

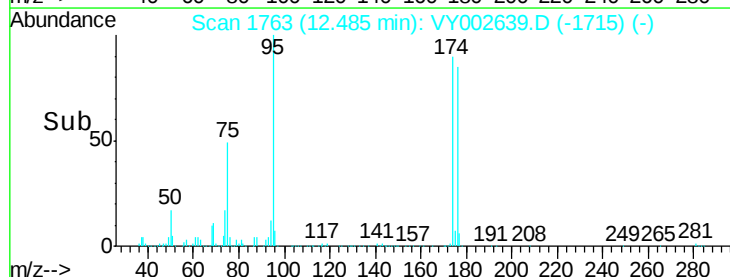
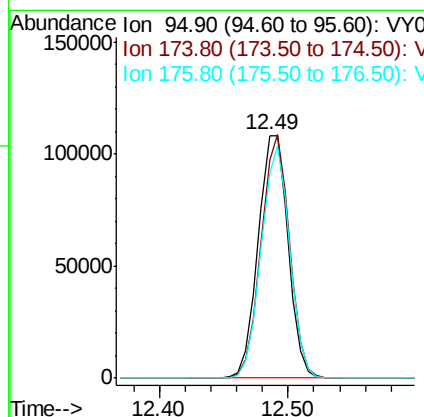
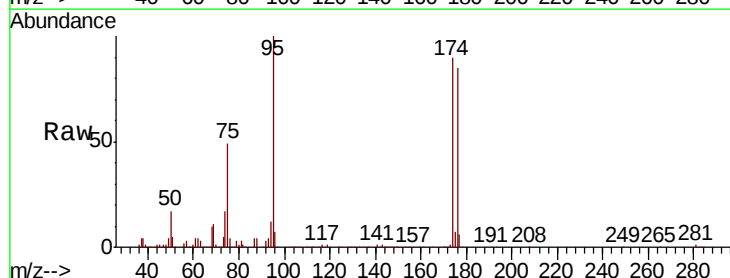
Tgt Ion: 95 Resp: 173011

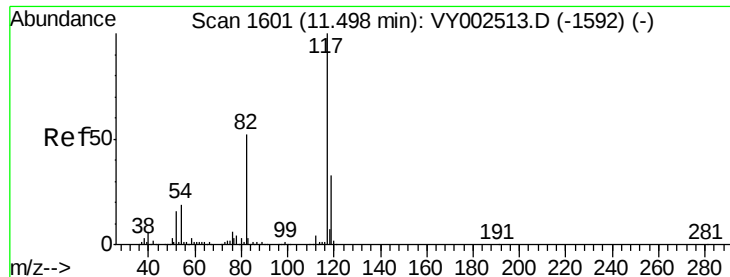
Ion Ratio Lower Upper

95 100

174 95.4 0.0 188.8

176 91.4 0.0 183.2

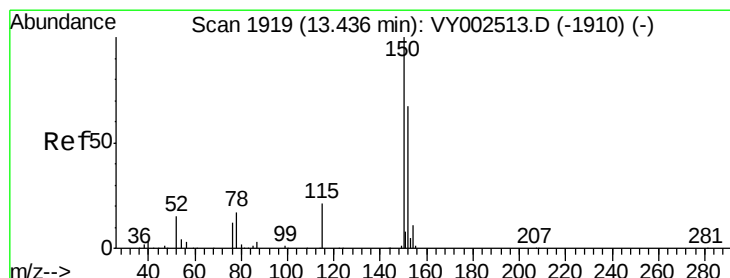
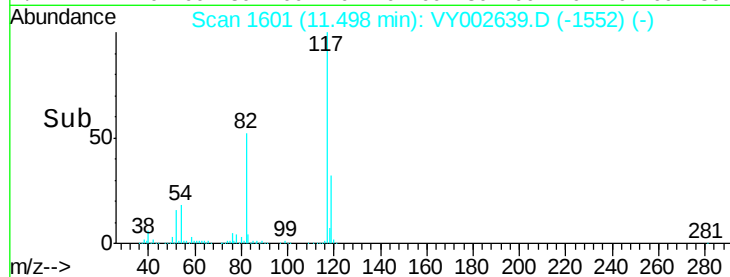
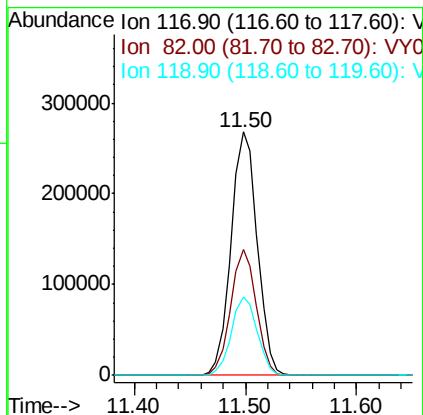
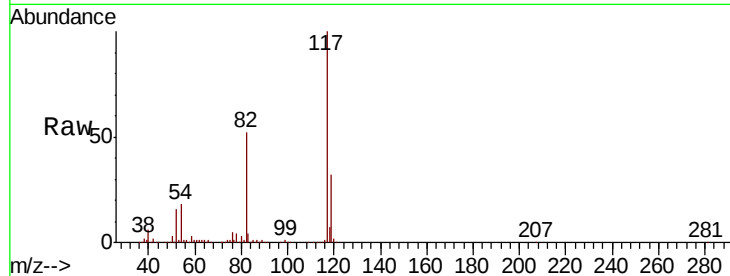




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002639.D
Acq: 08 May 2020 13:52

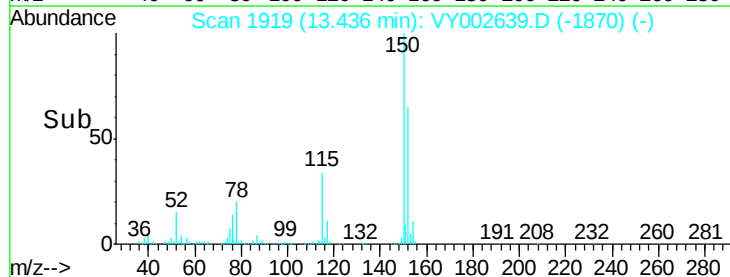
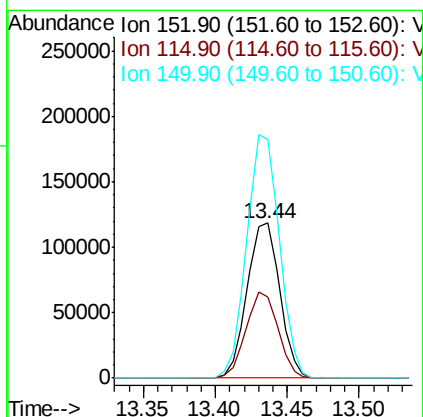
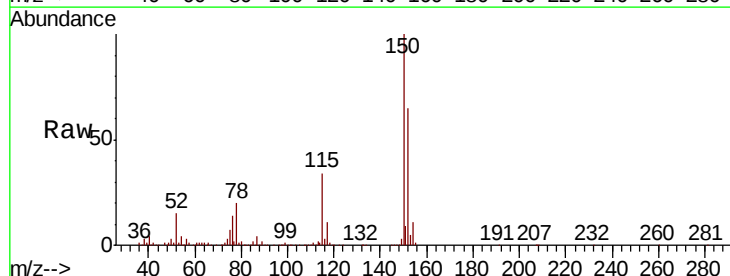
Instrument :
MSVOA_Y
ClientSampleId :

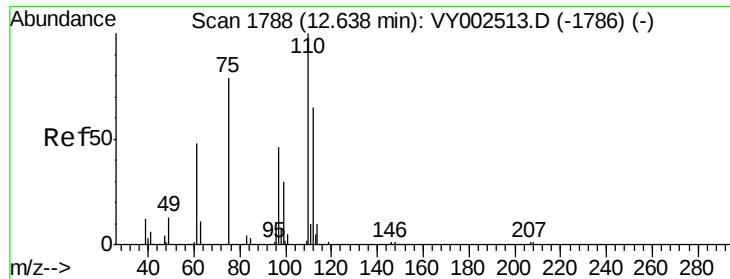
Tot Ion:117 Resp: 434331
Ion Ratio Lower Upper
117 100
82 51.6 41.3 61.9
119 32.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002639.D
Acq: 08 May 2020 13:52

Tgt Ion:152 Resp: 185891
Ion Ratio Lower Upper
152 100
115 54.8 27.5 82.4
150 156.8 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 50.814 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002639.D

Acq: 08 May 2020 13:52

Instrument :

MSVOA_Y

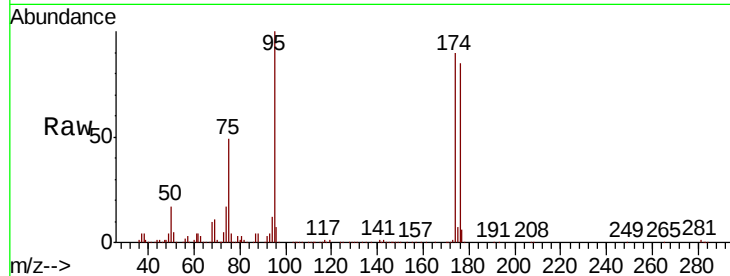
ClientSampled :

Tot Ion: 75 Resp: 83943

Ion Ratio Lower Upper

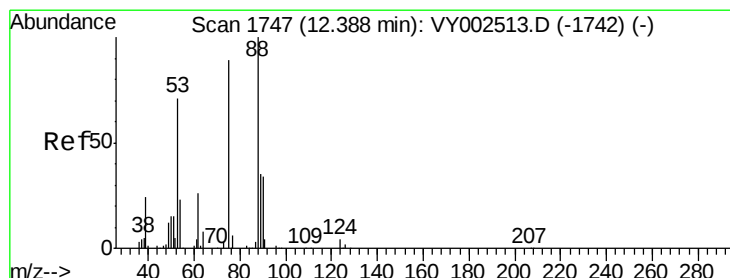
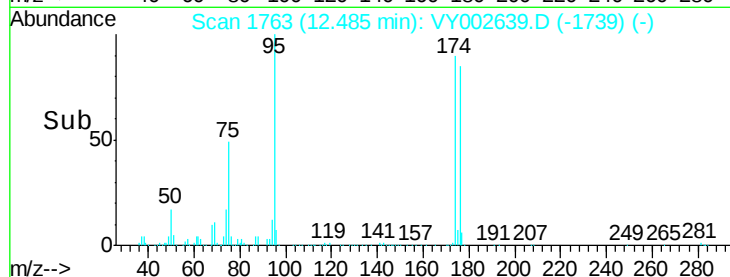
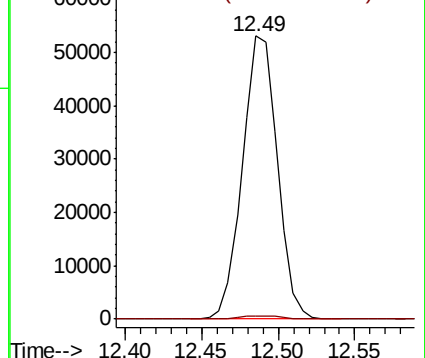
75 100

77 1.3 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: 101.893 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002639.D

Acq: 08 May 2020 13:52

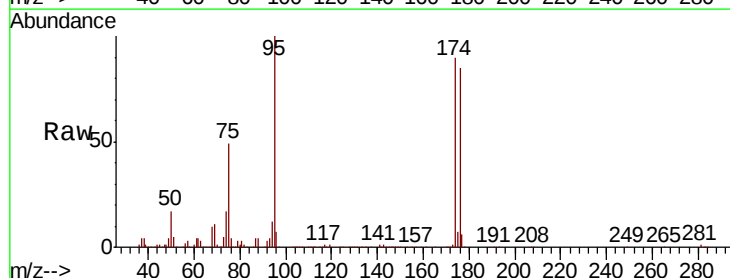
Tgt Ion: 75 Resp: 83943

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

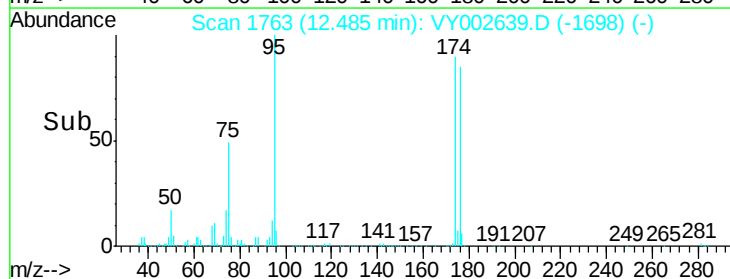
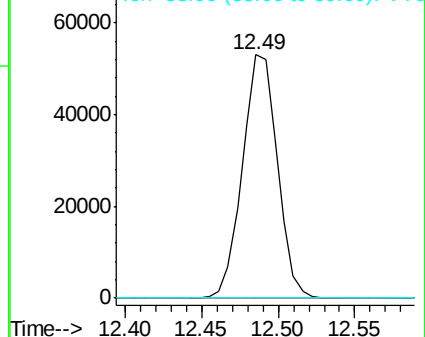
89 0.0 37.4 56.0#

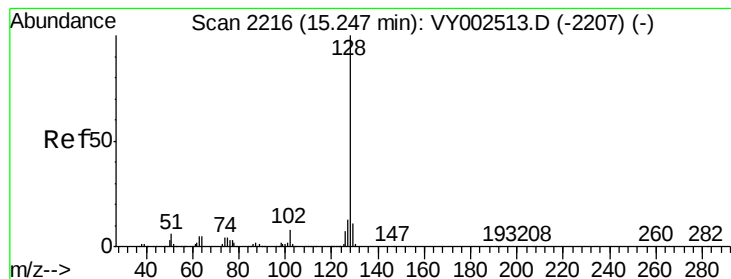


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 1.777 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002639.D

Acq: 08 May 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

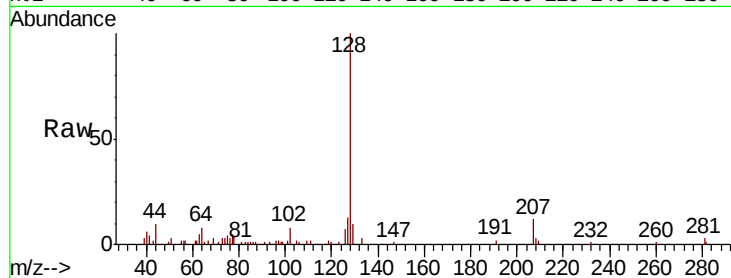
Tot Ion:128 Resp: 11966

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

