

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002598.D
 Acq On : 05 May 2020 19:35
 Operator : SY/MD
 Sample : L2491-02
 Misc : 6.56G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 03:22:45 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	225787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	353929	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	320733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	158401	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	106653	56.18	ug/l	0.00
Spiked Amount			Recovery	=	112.36%	
35) Dibromofluoromethane	7.74	113	108727	53.72	ug/l	0.00
Spiked Amount			Recovery	=	107.44%	
50) Toluene-d8	10.19	98	411675	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
62) 4-Bromofluorobenzene	12.49	95	136298	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	

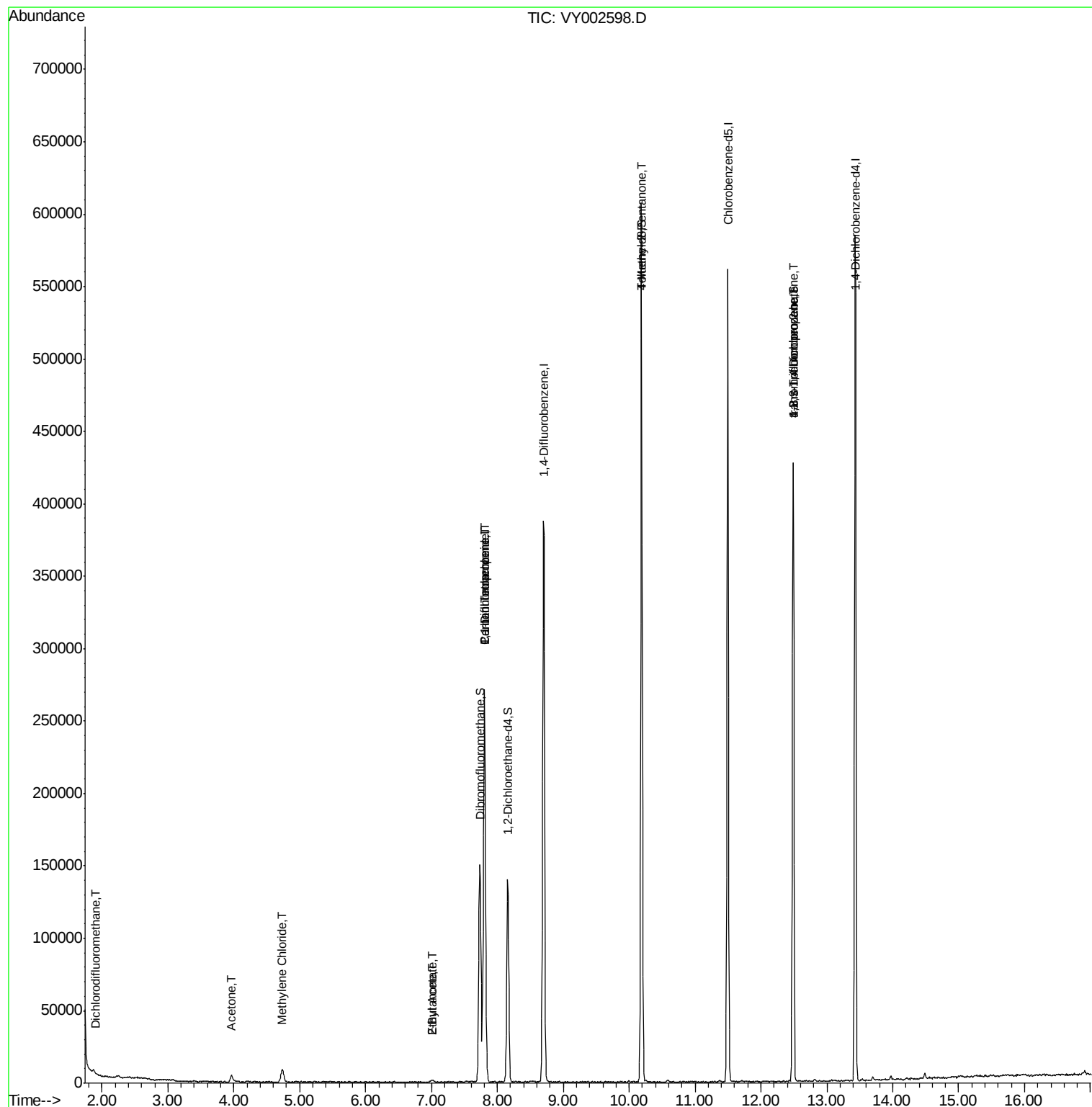
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	27	1.798	ug/l #	43
16) Acetone	3.96	43	8363	21.345	ug/l #	85
20) Methylene Chloride	4.74	84	6709	3.062	ug/l	95
25) 2-Butanone	7.02	43	2338	3.645	ug/l	93
36) 1,1-Dichloropropene	7.80	75	14254	4.804	ug/l #	49
37) Ethyl Acetate	7.02	43	2338	1.533	ug/l #	67
38) Carbon Tetrachloride	7.80	117	20149	6.220	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1584	1.075	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	65238	46.345	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	65238	92.931	ug/l #	15

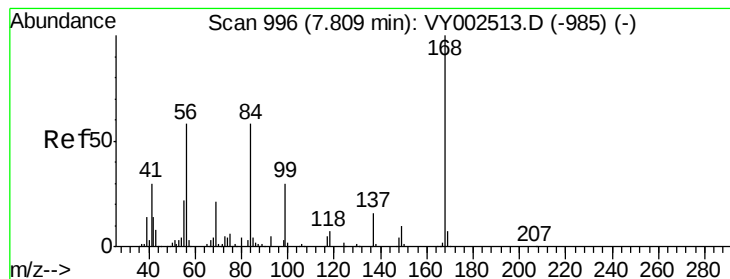
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VY002598.D
Acq On : 05 May 2020 19:35
Operator : SY/MD
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ClientSampleId :

Quant Time: May 06 03:22:45 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: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002598.D

Acq: 05 May 2020 19:35

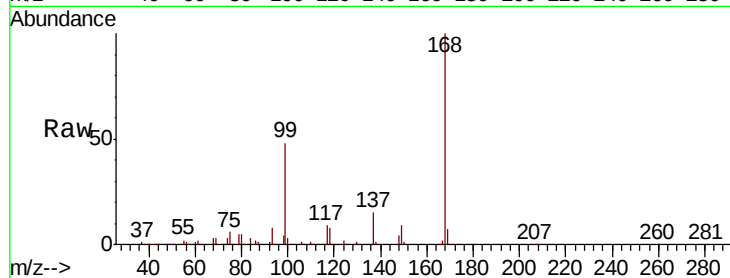
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 225787

Ion Ratio Lower Upper

168 100

99 47.8 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) (-)

7.80

100000

80000

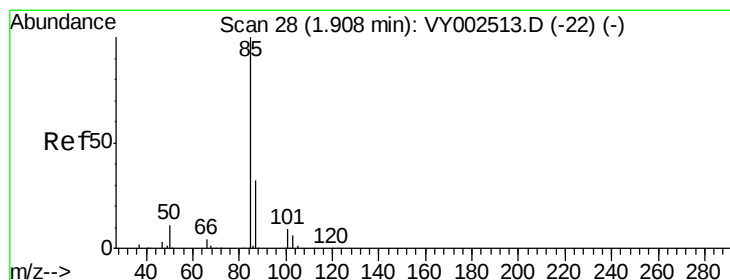
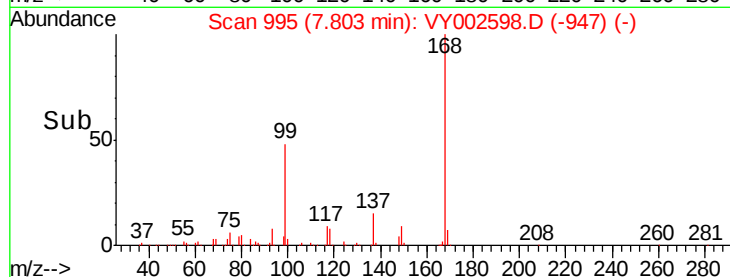
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.798 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002598.D

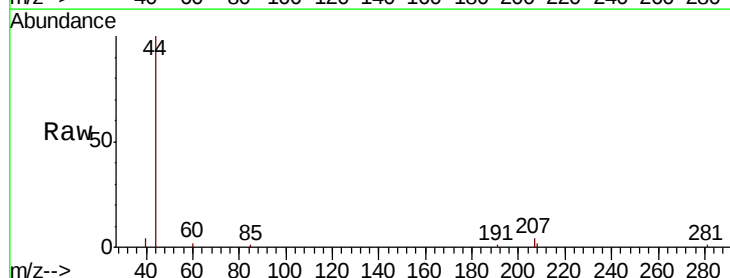
Acq: 05 May 2020 19:35

Tgt Ion: 85 Resp: 27

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

80

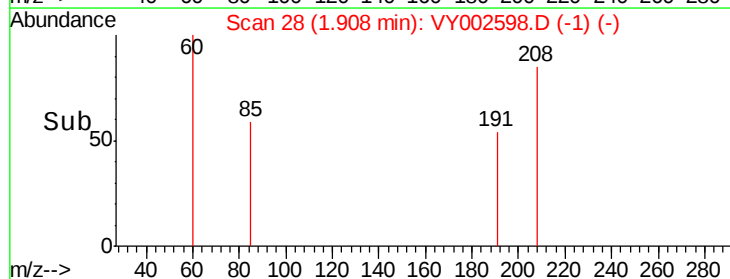
60

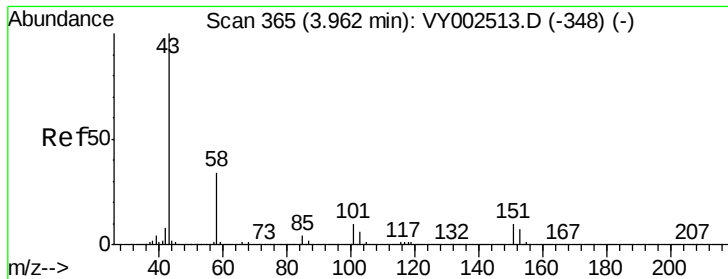
40

20

0

Time-->





#16

Acetone

Concen: 21.345 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VY002598.D

Acq: 05 May 2020 19:35

Instrument :

MSVOA_Y

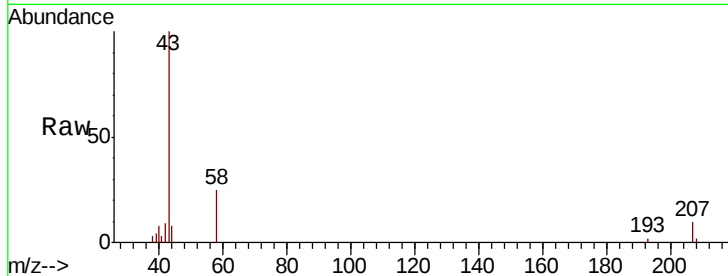
ClientSampleId :

Tot Ion: 43 Resp: 8363

Ion Ratio Lower Upper

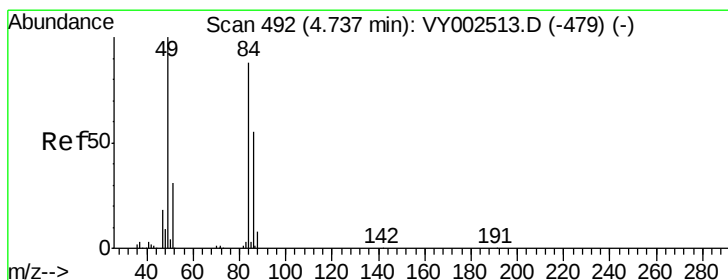
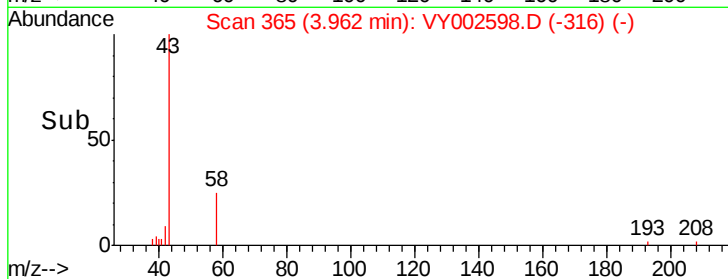
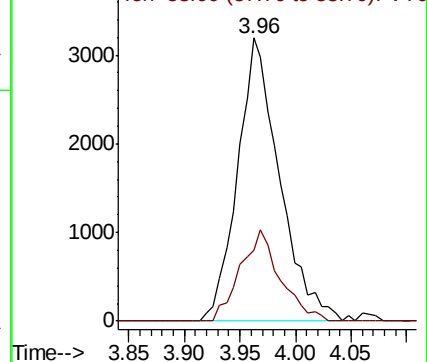
43 100

58 24.9 26.9 40.3#



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-348) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-348) (-)



#20

Methylene Chloride

Concen: 3.062 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.00 min

Lab File: VY002598.D

Acq: 05 May 2020 19:35

Tgt Ion: 84 Resp: 6709

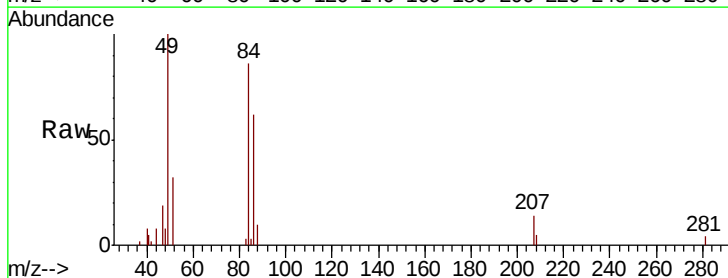
Ion Ratio Lower Upper

84 100

49 115.7 90.5 135.7

51 37.2 28.3 42.5

86 71.3 49.9 74.9

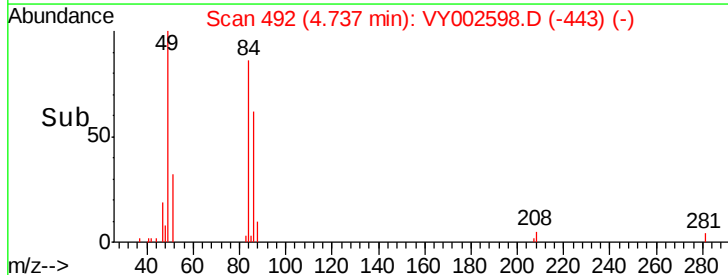
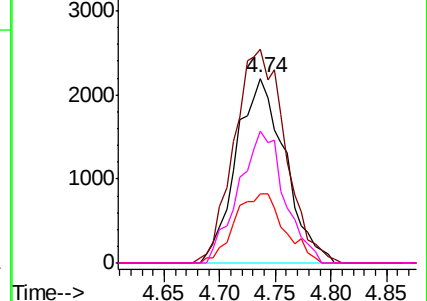


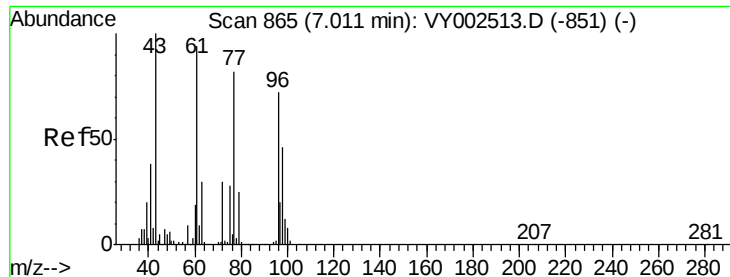
Abundance Ion 83.90 (83.60 to 84.60): VY002513.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002513.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002513.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002513.D (-479) (-)

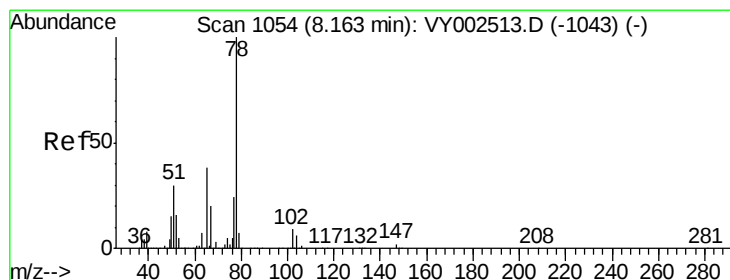
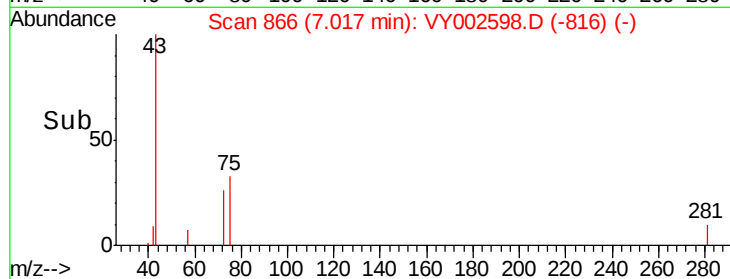
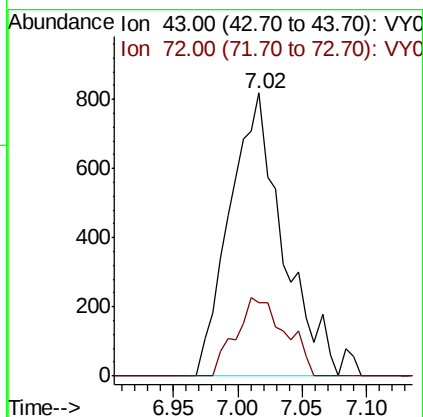
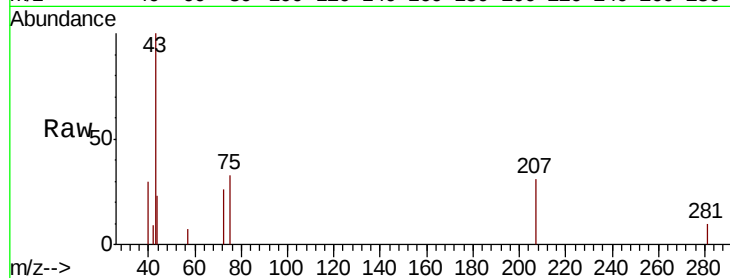




#25
2-Butanone
Concen: 3.645 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002598.D
Acq: 05 May 2020 19:35

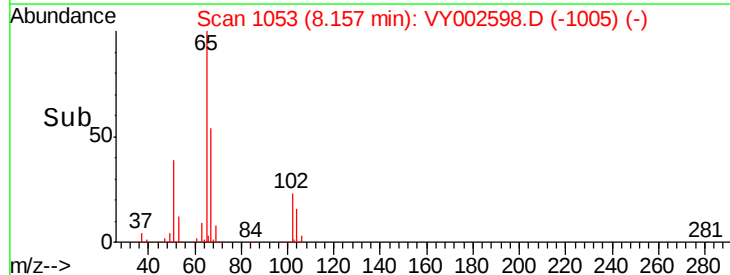
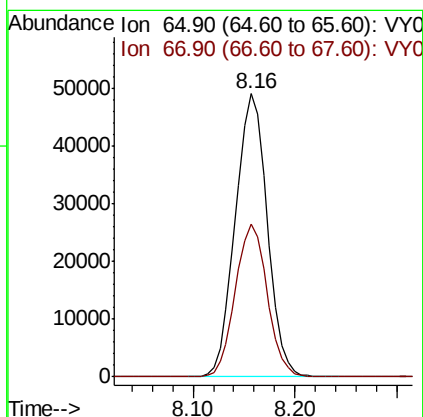
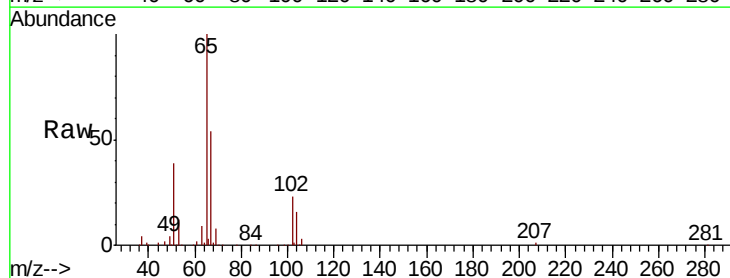
Instrument :
MSVOA_Y
ClientSampled :

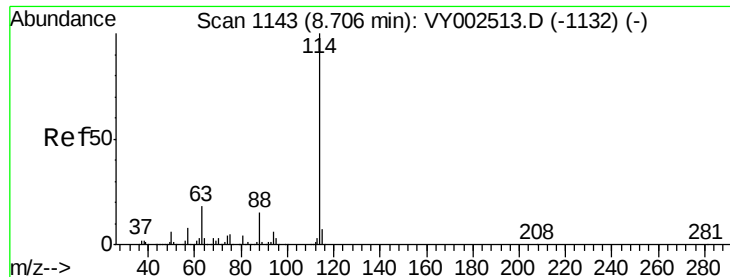
Tot Ion: 43 Resp: 2338
Ion Ratio Lower Upper
43 100
72 26.0 24.1 36.1



#33
1,2-Dichloroethane-d4
Concen: 56.179 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VY002598.D
Acq: 05 May 2020 19:35

Tgt Ion: 65 Resp: 106653
Ion Ratio Lower Upper
65 100
67 53.9 0.0 107.2

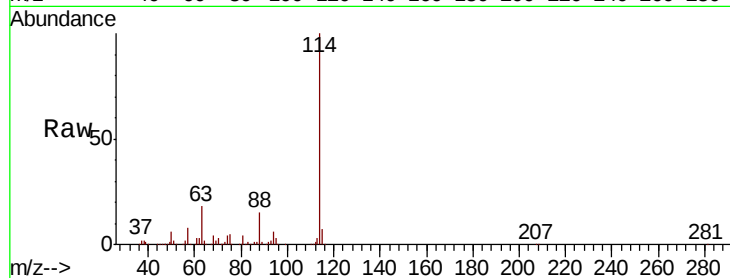




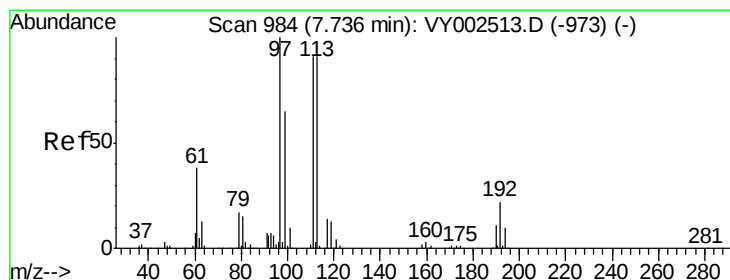
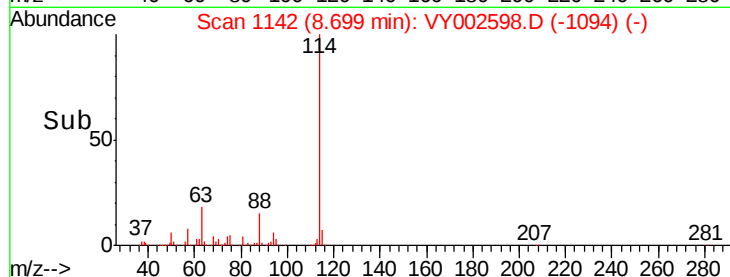
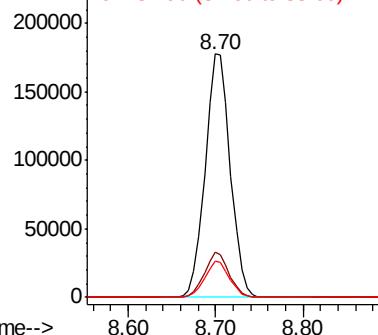
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002598.D
 Acq: 05 May 2020 19:35

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114	Resp:	353929
Ion	Ratio	Lower Upper
114	100	
63	18.3	0.0 36.4
88	15.1	0.0 29.6

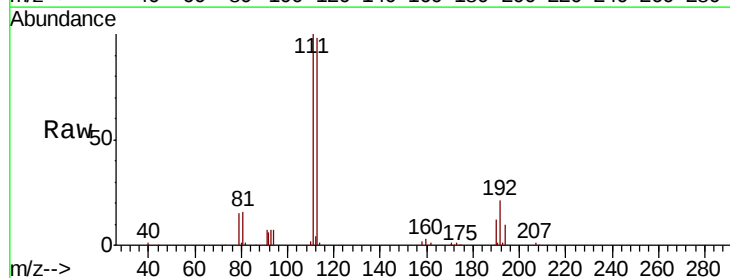


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

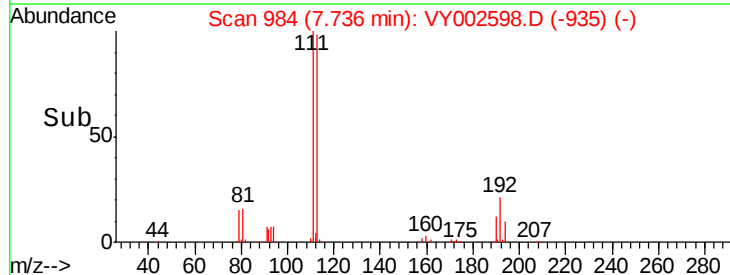
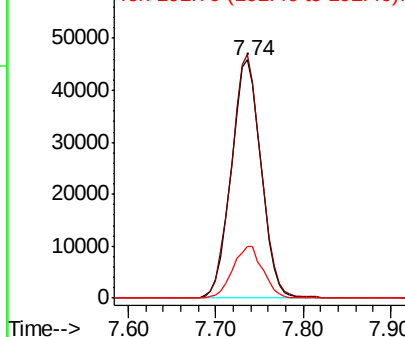


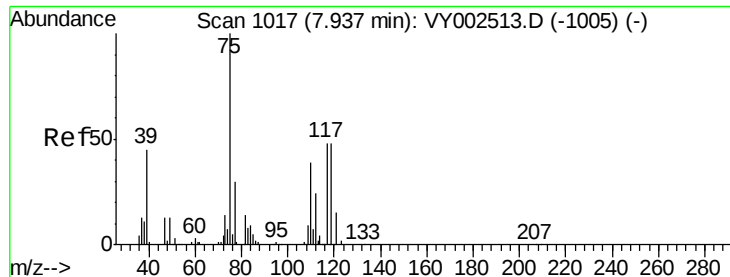
#35
 Dibromofluoromethane
 Concen: 53.715 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VY002598.D
 Acq: 05 May 2020 19:35

Tgt Ion:113	Resp:	108727
Ion	Ratio	Lower Upper
113	100	
111	101.7	81.8 122.6
192	22.1	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: 4.804 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY002598.D

Acq: 05 May 2020 19:35

Instrument :

MSVOA_Y

ClientSampleId :

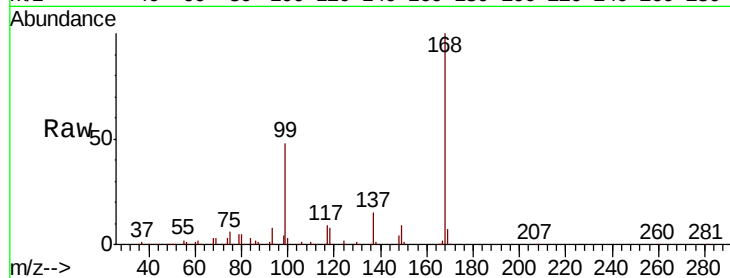
Tot Ion: 75 Resp: 14254

Ion Ratio Lower Upper

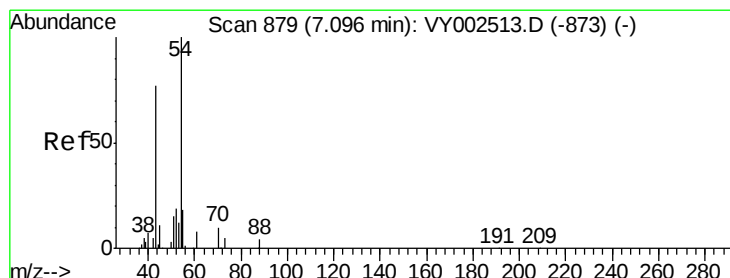
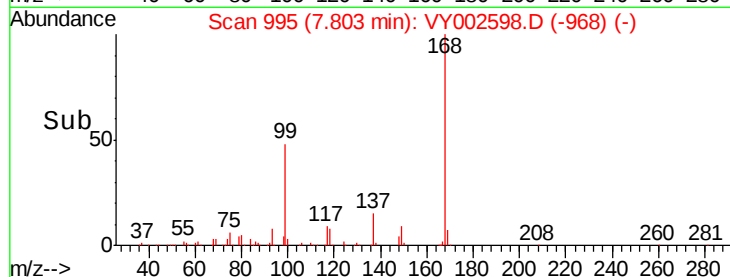
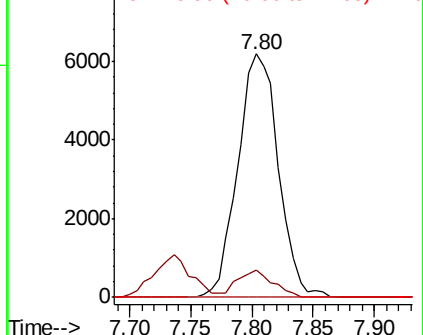
75 100

110 9.7 19.1 57.3#

77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): VY0
Ion 76.90 (76.60 to 77.60): VY0



#37

Ethyl Acetate

Concen: 1.533 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.08 min

Lab File: VY002598.D

Acq: 05 May 2020 19:35

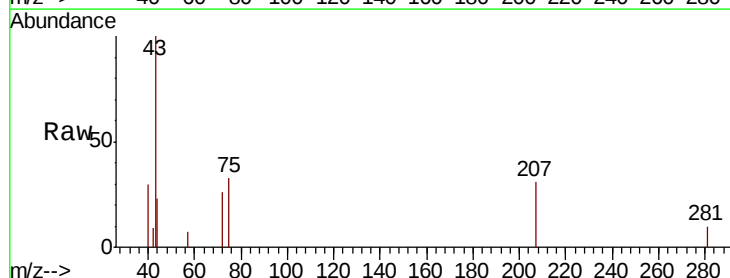
Tgt Ion: 43 Resp: 2338

Ion Ratio Lower Upper

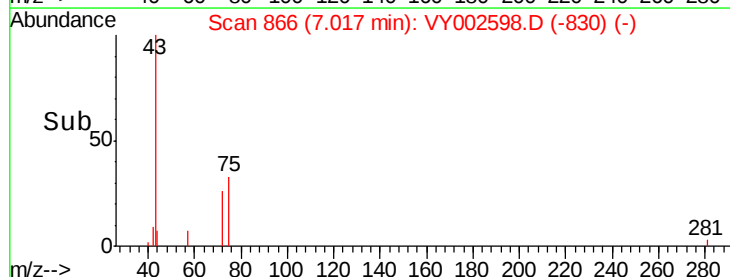
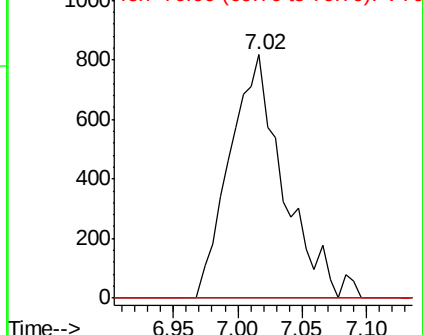
43 100

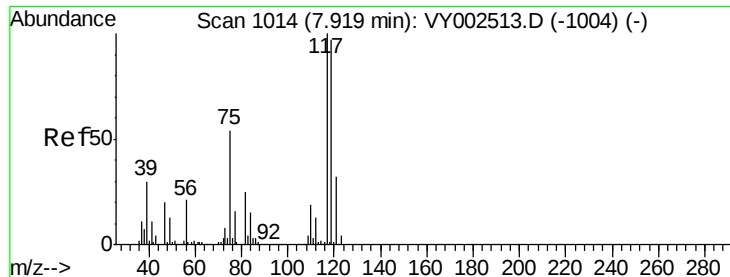
61 0.0 11.6 17.4#

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: 6.220 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY002598.D

Acq: 05 May 2020 19:35

Instrument :

MSVOA_Y

ClientSampleId :

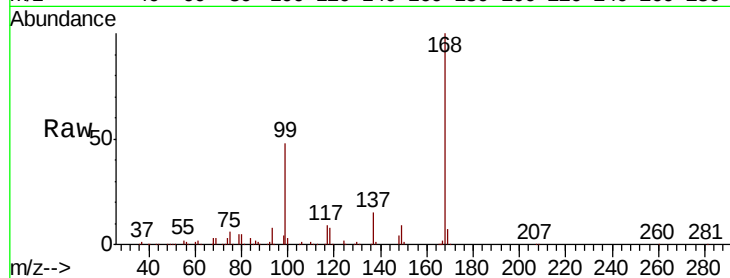
Tot Ion:117 Resp: 20149

Ion Ratio Lower Upper

117 100

119 5.7 77.1 115.7#

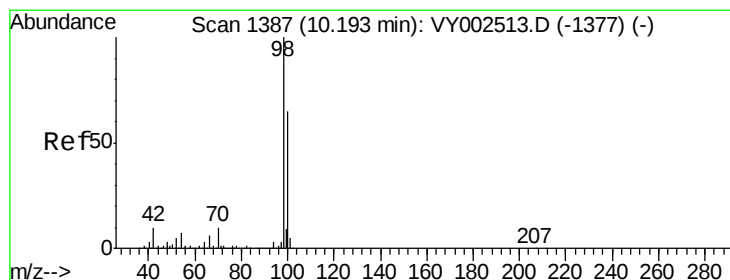
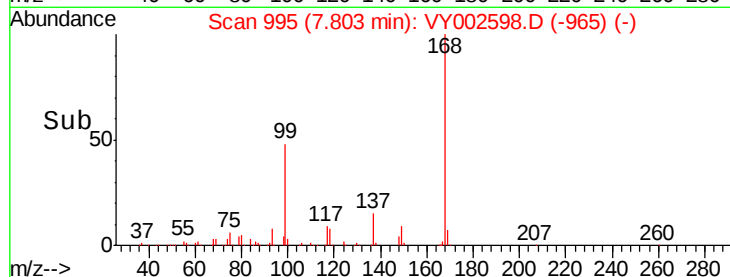
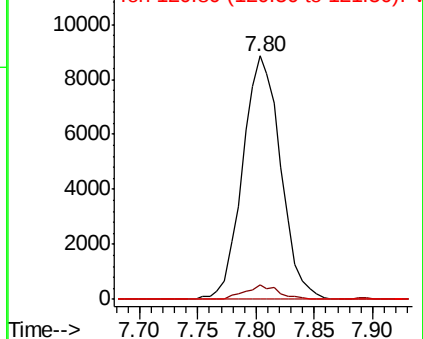
121 0.0 25.2 37.8#



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: 52.081 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002598.D

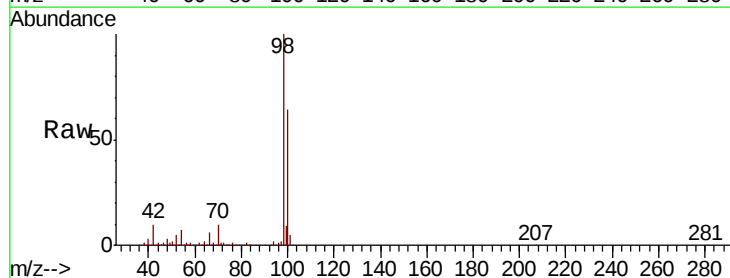
Acq: 05 May 2020 19:35

Tgt Ion: 98 Resp: 411675

Ion Ratio Lower Upper

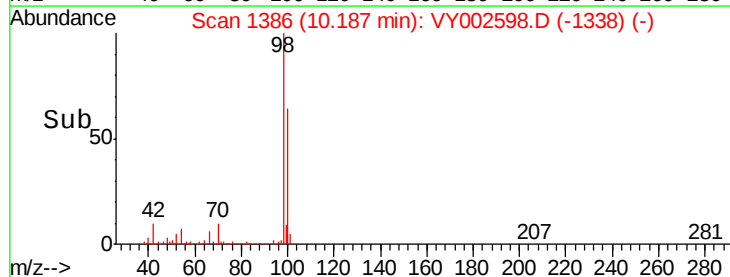
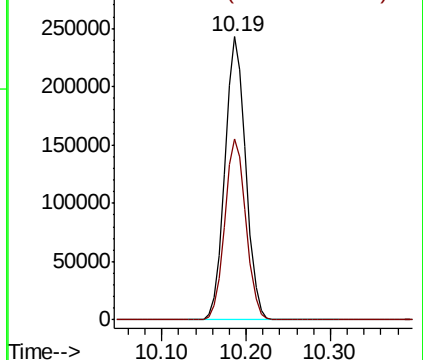
98 100

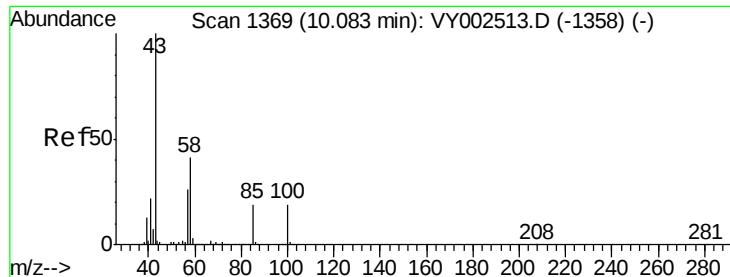
100 64.8 52.2 78.2



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: 1.075 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.10 min

Lab File: VY002598.D

Acq: 05 May 2020 19:35

Instrument :

MSVOA_Y

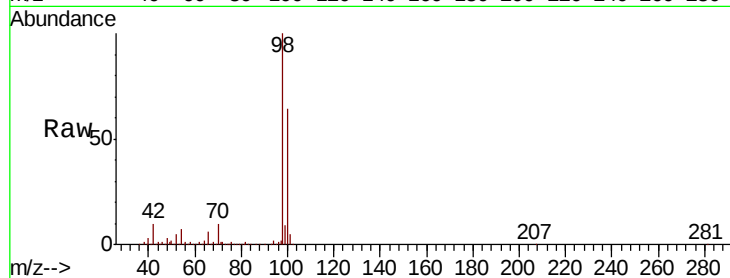
ClientSampleId :

Tot Ion: 43 Resp: 1584

Ion Ratio Lower Upper

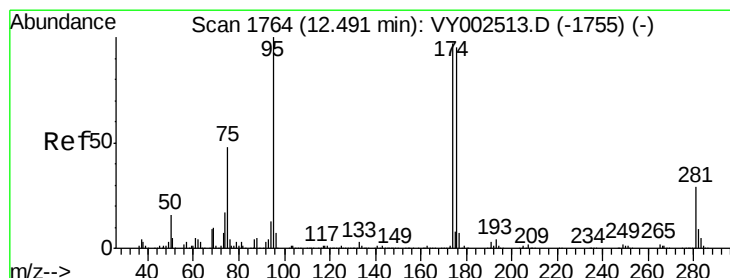
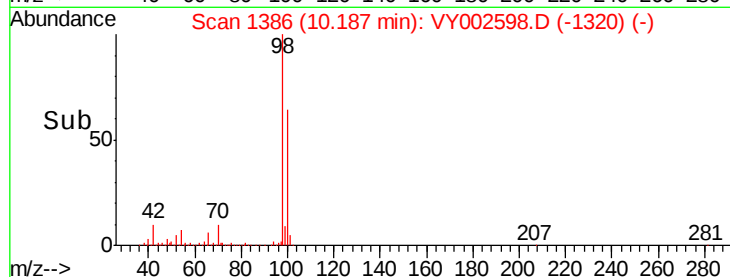
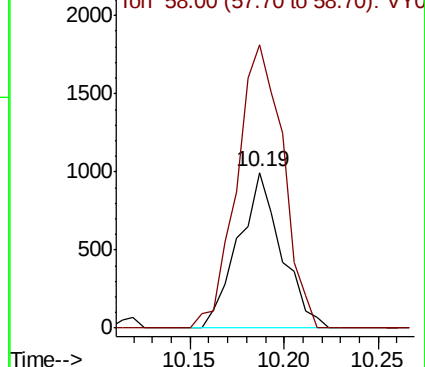
43 100

58 194.6 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 50.816 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002598.D

Acq: 05 May 2020 19:35

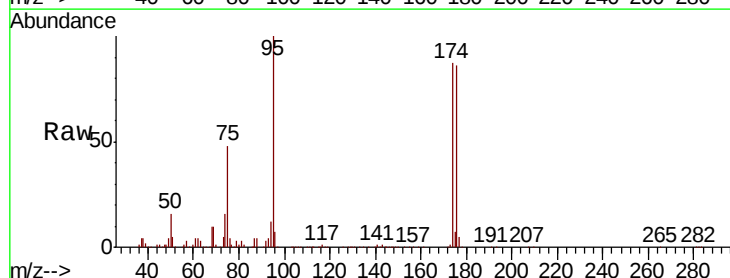
Tgt Ion: 95 Resp: 136298

Ion Ratio Lower Upper

95 100

174 92.8 0.0 188.8

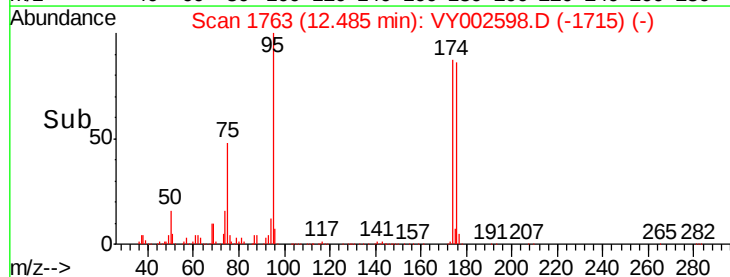
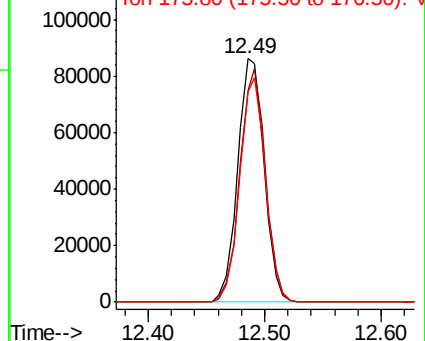
176 89.7 0.0 183.2

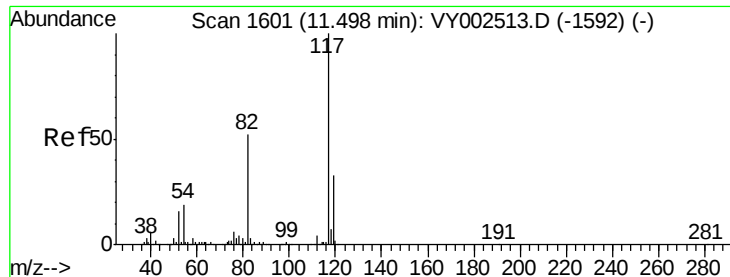


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

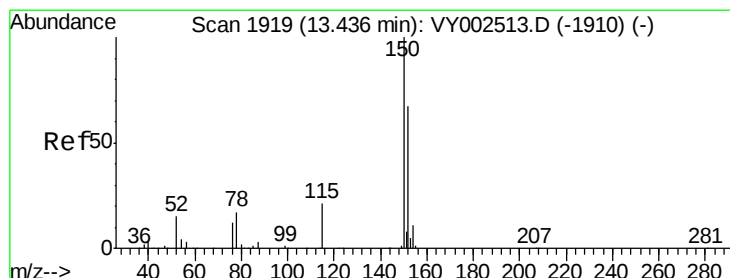
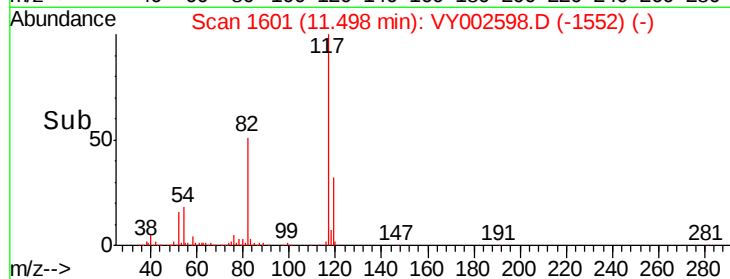
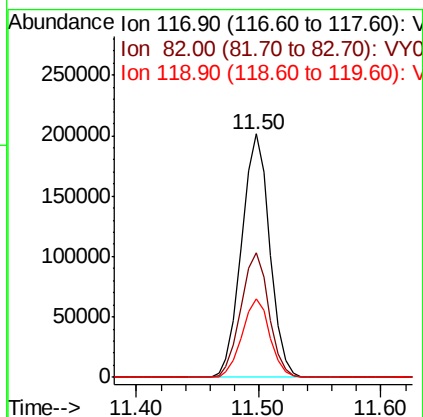
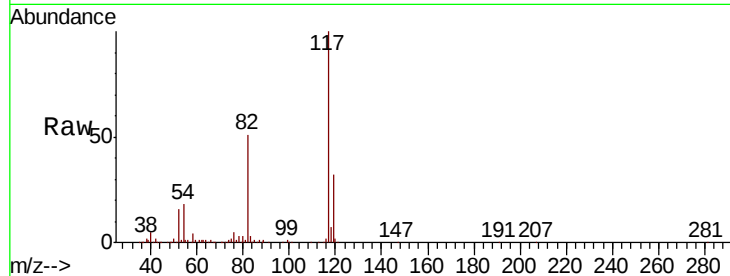




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002598.D
Acq: 05 May 2020 19:35

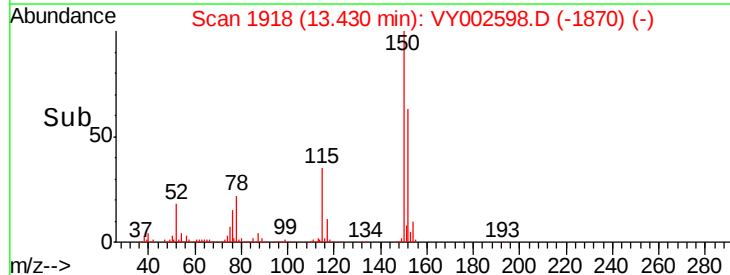
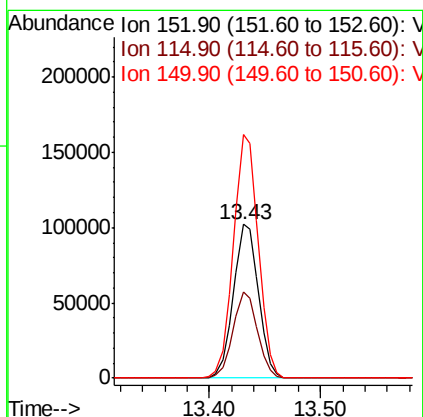
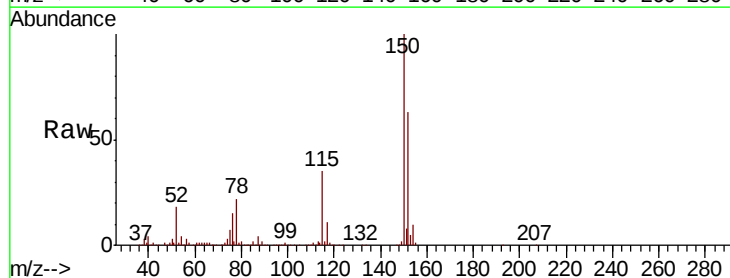
Instrument :
MSVOA_Y
ClientSampled :

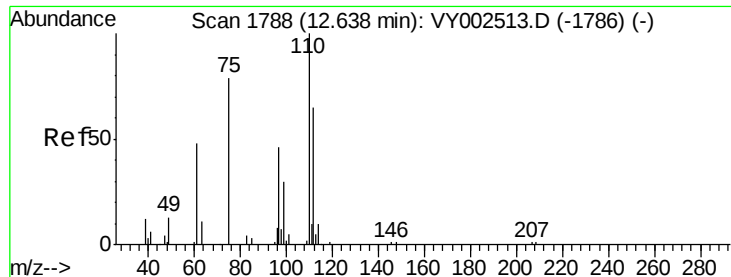
Tot Ion:117 Resp: 320733
Ion Ratio Lower Upper
117 100
82 51.4 41.3 61.9
119 32.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002598.D
Acq: 05 May 2020 19:35

Tgt Ion:152 Resp: 158401
Ion Ratio Lower Upper
152 100
115 55.0 27.5 82.4
150 157.1 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 46.345 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002598.D

Acq: 05 May 2020 19:35

Instrument :

MSVOA_Y

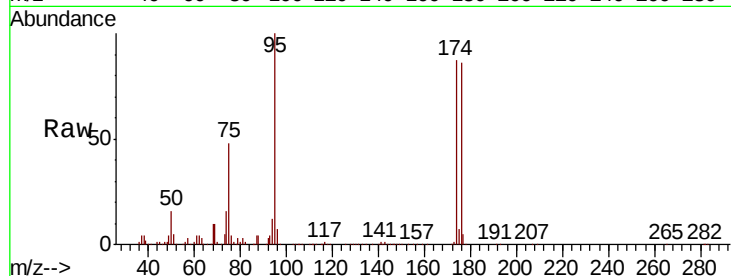
ClientSampleId :

Tot Ion: 75 Resp: 65238

Ion Ratio Lower Upper

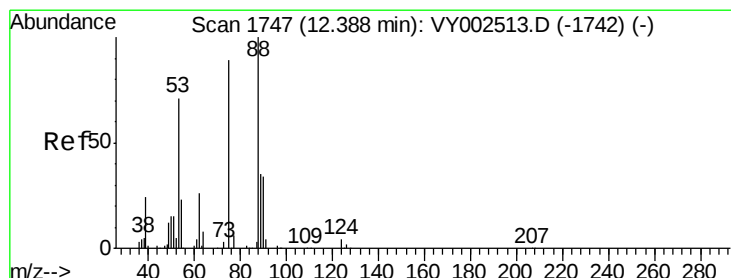
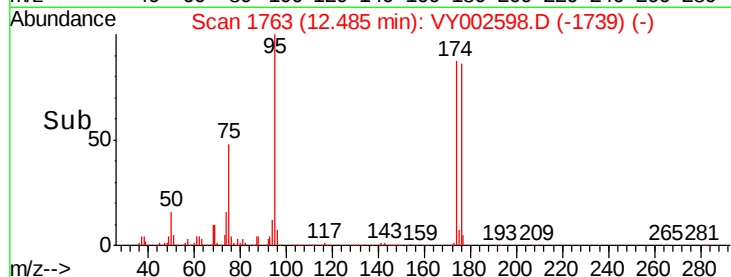
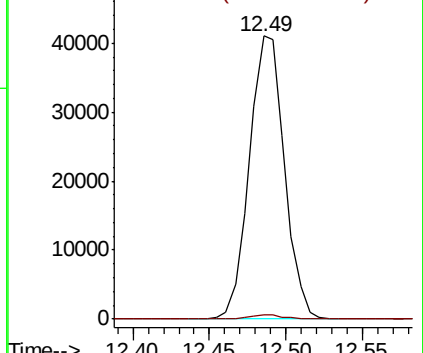
75 100

77 1.4 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: 92.931 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002598.D

Acq: 05 May 2020 19:35

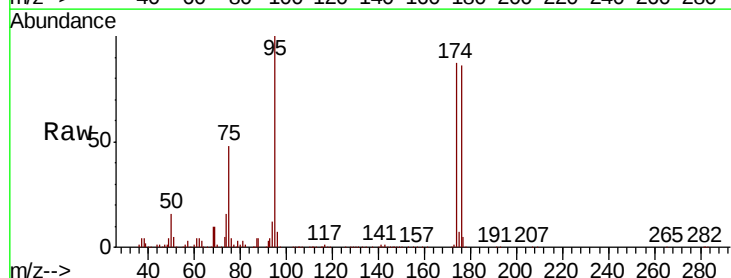
Tgt Ion: 75 Resp: 65238

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

