

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002465.D
 Acq On : 23 Apr 2020 17:24
 Operator : SY/MD
 Sample : L2351-05RE
 Misc : 7.55G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 24 01:33:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	273917	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	428213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	376369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	184580	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	139048	58.08	ug/l	-0.01
Spiked Amount			Recovery	=	116.16%	
35) Dibromofluoromethane	7.74	113	118381	49.01	ug/l	-0.01
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	10.19	98	501044	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.49	95	154284	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	

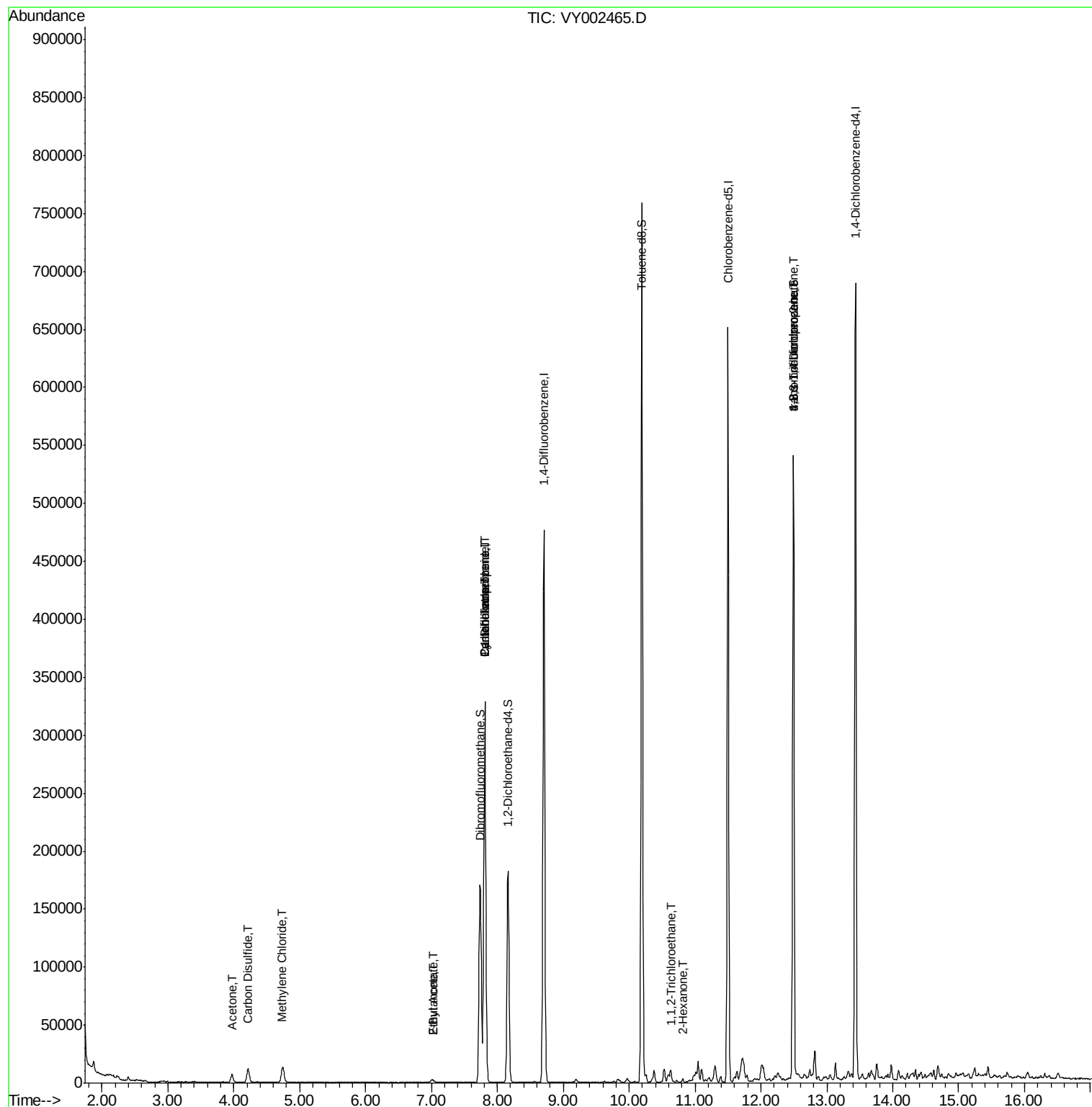
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	12581	25.145	ug/l	100
17) Carbon Disulfide	4.22	76	24456	3.345	ug/l	96
20) Methylene Chloride	4.74	84	11244	3.936	ug/l #	87
25) 2-Butanone	7.02	43	2829	3.691	ug/l	89
31) Cyclohexane	7.81	56	4553	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	17170	4.676	ug/l #	49
37) Ethyl Acetate	7.02	43	2829	1.534	ug/l #	67
38) Carbon Tetrachloride	7.81	117	24476	5.797	ug/l #	17
55) 1,1,2-Trichloroethane	10.63	97	4453	2.105	ug/l #	21
59) 2-Hexanone	10.81	43	1522	1.218	ug/l #	22
76) 1,2,3-Trichloropropane	12.49	75	78715	50.316	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	78715	93.108	ug/l #	15

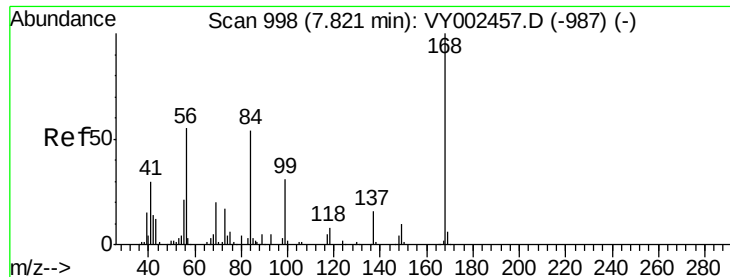
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002465.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_Y

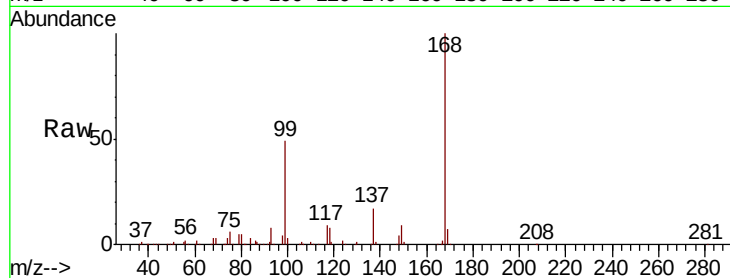
ClientSampleId :

Tot Ion:168 Resp: 273917

Ion Ratio Lower Upper

168 100

99 49.2 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)

7.81

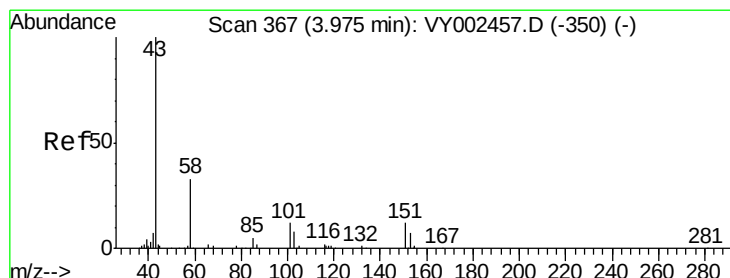
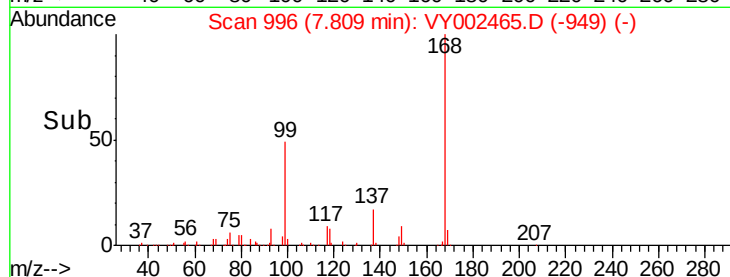
100000

50000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 25.145 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY002465.D

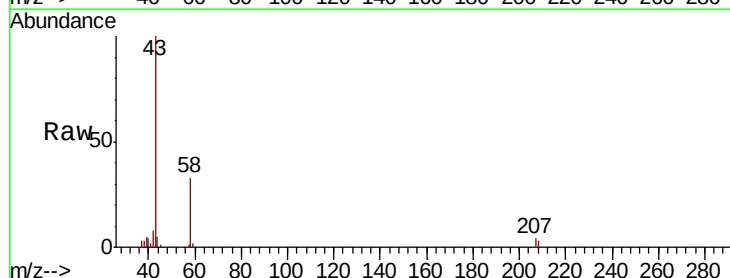
Acq: 23 Apr 2020 17:24

Tgt Ion: 43 Resp: 12581

Ion Ratio Lower Upper

43 100

58 33.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VY002457.D (-350) (-)

Ion 58.00 (57.70 to 58.70): VY002457.D (-350) (-)

3.97

5000

4000

3000

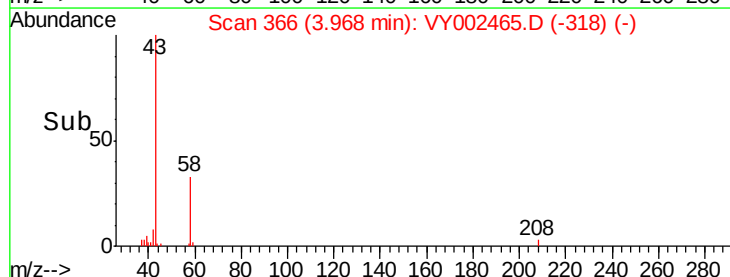
2000

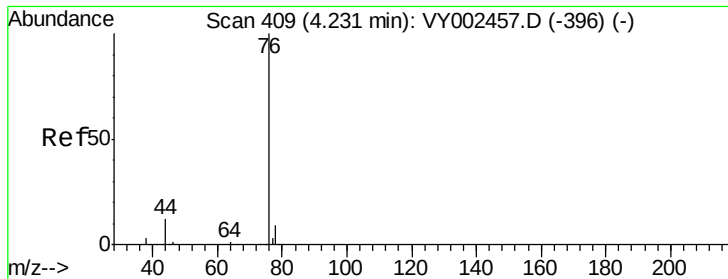
1000

0

3.90 4.00 4.10

Time-->





#17

Carbon Disulfide

Concen: 3.345 ug/l

RT: 4.22 min Scan# 407

Delta R.T. -0.01 min

Lab File: VY002465.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_Y

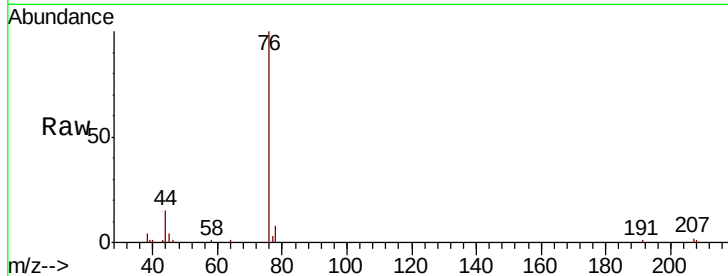
ClientSampleId :

Tot Ion: 76 Resp: 24456

Ion Ratio Lower Upper

76 100

78 7.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.22

10000

8000

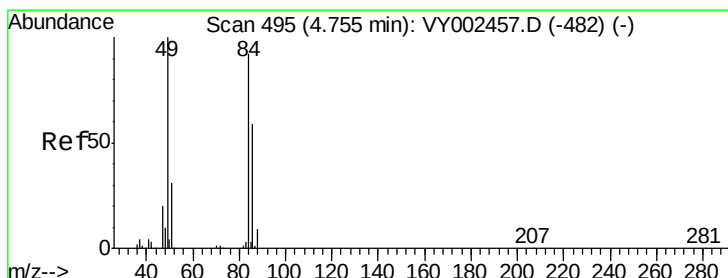
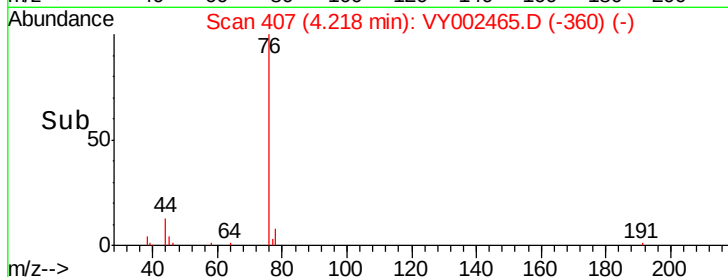
6000

4000

2000

0

Time-->



#20

Methylene Chloride

Concen: 3.936 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.02 min

Lab File: VY002465.D

Acq: 23 Apr 2020 17:24

Tgt Ion: 84 Resp: 11244

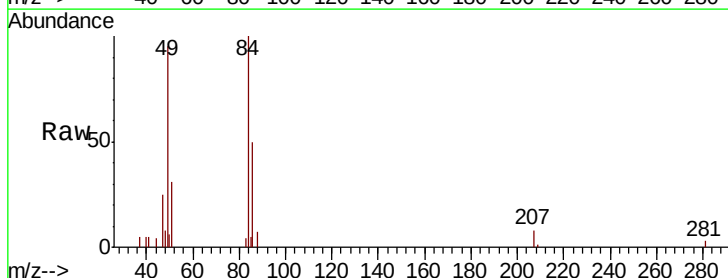
Ion Ratio Lower Upper

84 100

49 94.7 86.9 130.3

51 31.1 27.3 40.9

86 50.4 51.0 76.6#



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

4.74

6000

5000

4000

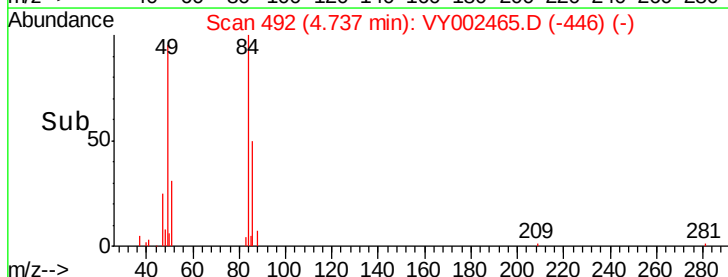
3000

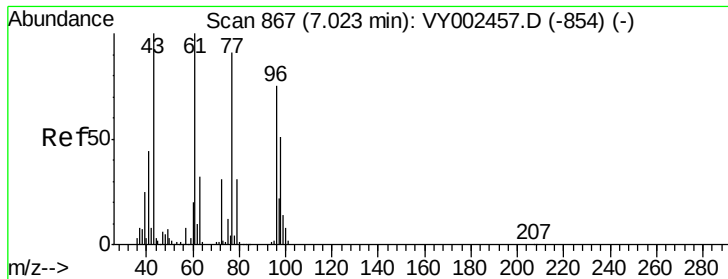
2000

1000

0

Time-->





#25

2-Butanone

Concen: 3.691 ug/l

RT: 7.02 min Scan# 867

Delta R.T. -0.00 min

Lab File: VY002465.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_Y

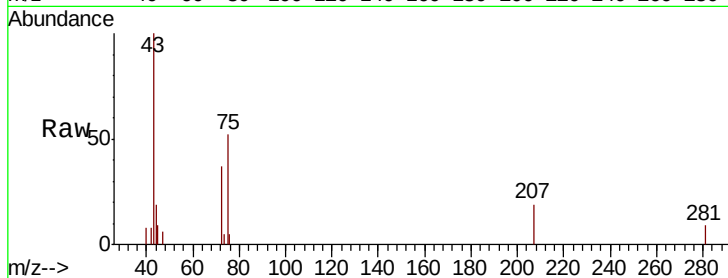
ClientSampleId :

Tot Ion: 43 Resp: 2829

Ion Ratio Lower Upper

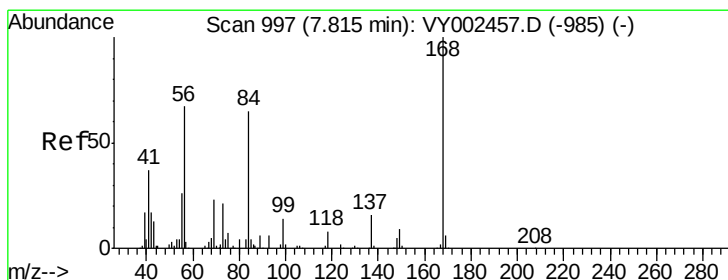
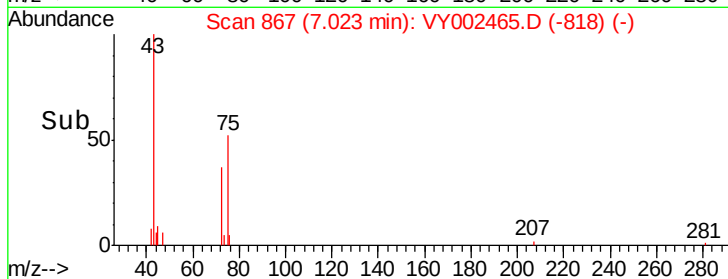
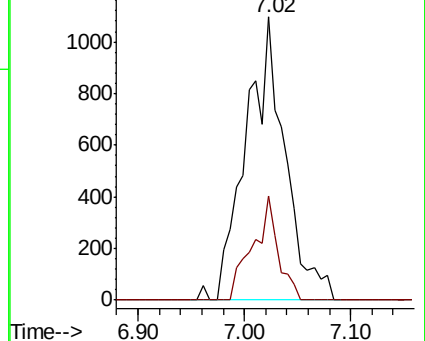
43 100

72 36.9 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.104 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002465.D

Acq: 23 Apr 2020 17:24

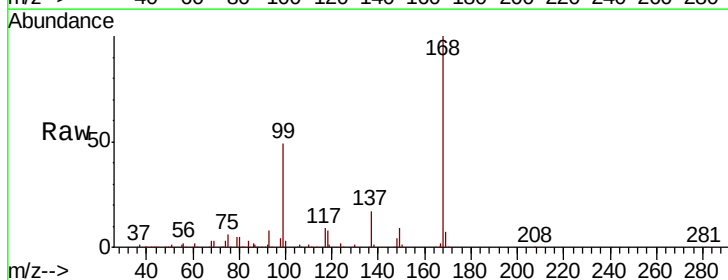
Tgt Ion: 56 Resp: 4553

Ion Ratio Lower Upper

56 100

69 166.2 27.0 40.6#

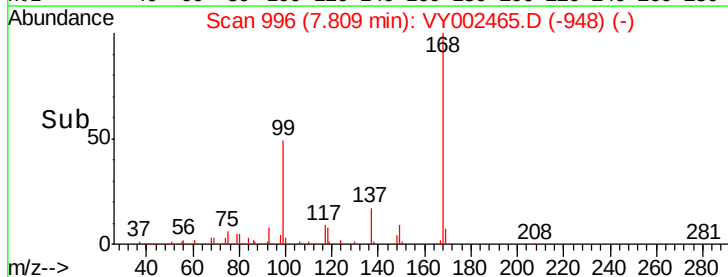
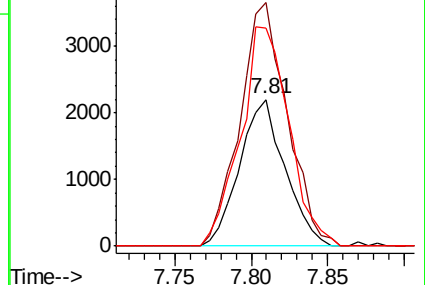
84 149.0 77.4 116.2#

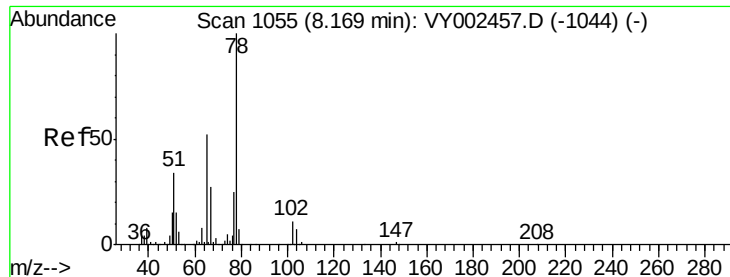


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

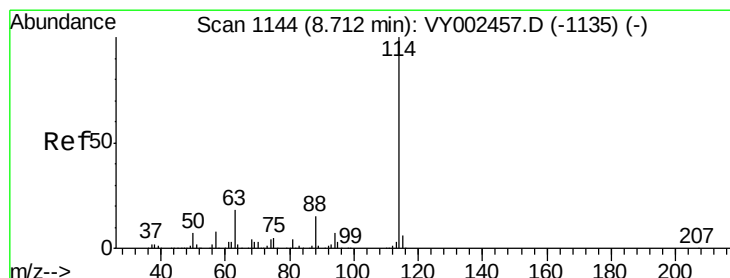
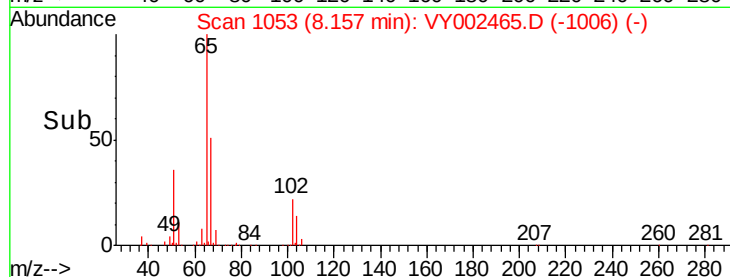
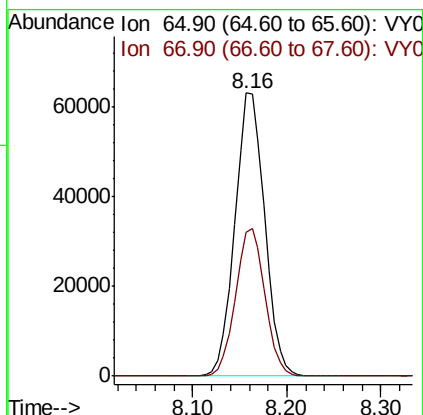
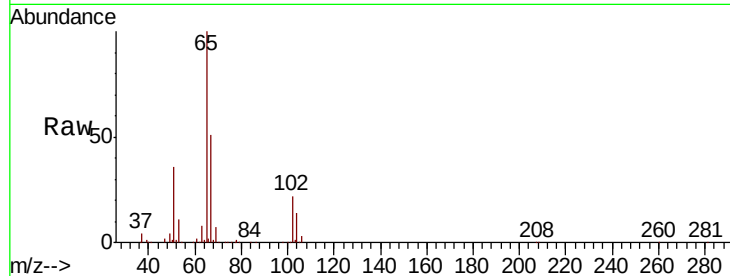




#33
 1,2-Dichloroethane-d4
 Concen: 58.079 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002465.D
 Acq: 23 Apr 2020 17:24

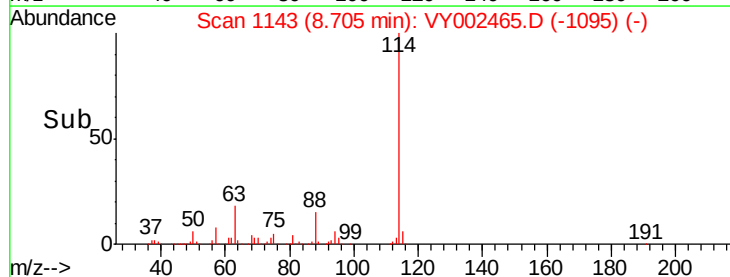
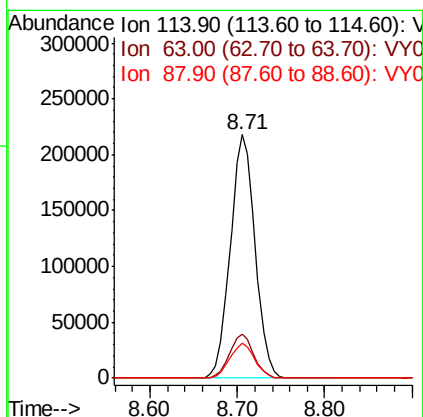
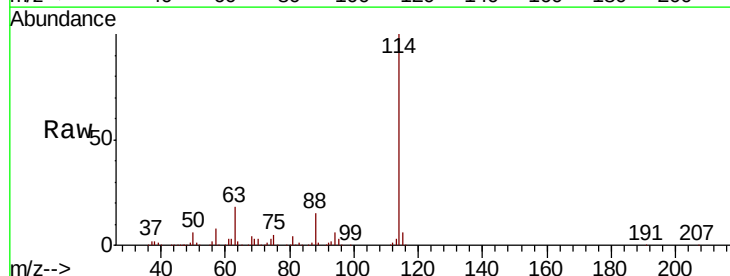
Instrument :
 MSVOA_Y
 ClientSampleId :

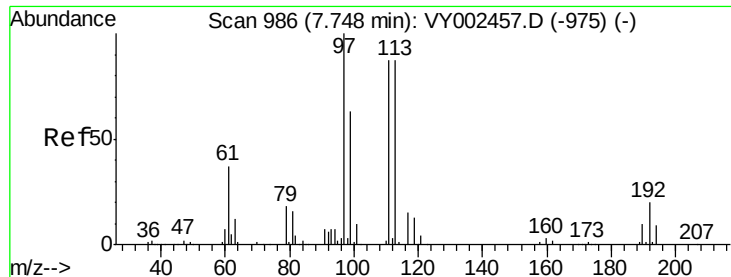
Tot Ion: 65 Resp: 139048
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY002465.D
 Acq: 23 Apr 2020 17:24

Tgt Ion: 114 Resp: 428213
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.6
 88 14.6 0.0 29.4

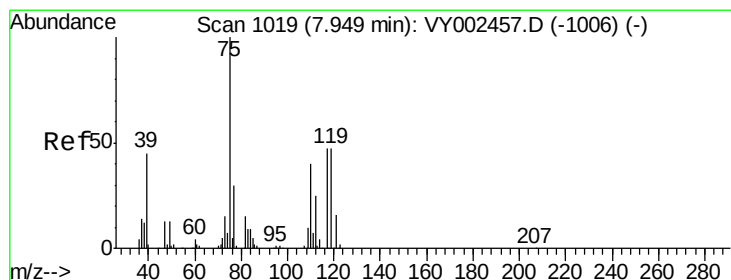
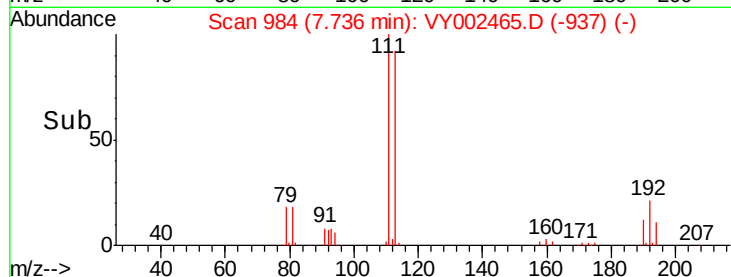
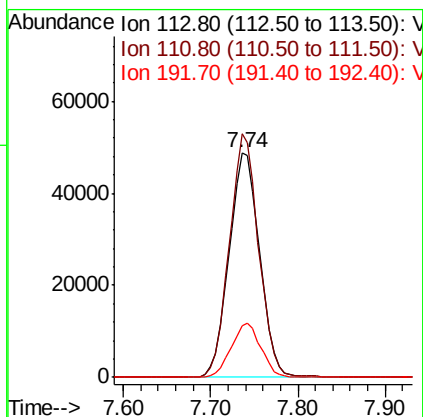
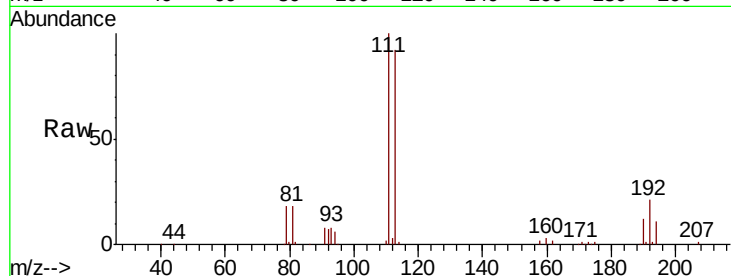




#35
 Dibromofluoromethane
 Concen: 49.012 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY002465.D
 Acq: 23 Apr 2020 17:24

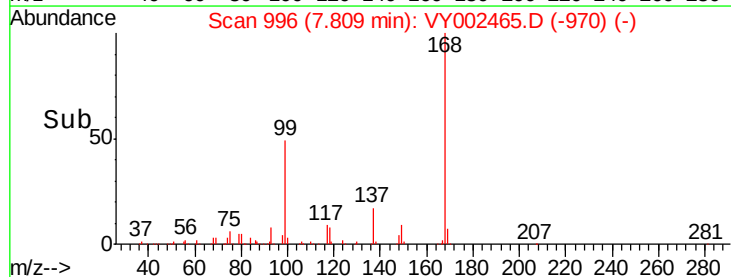
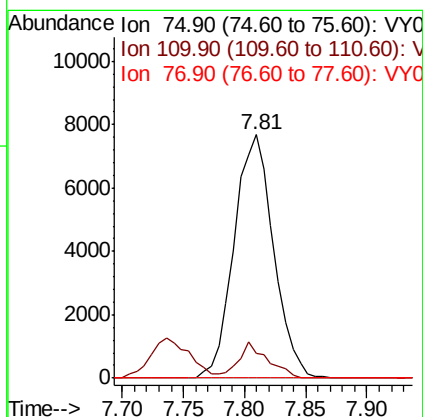
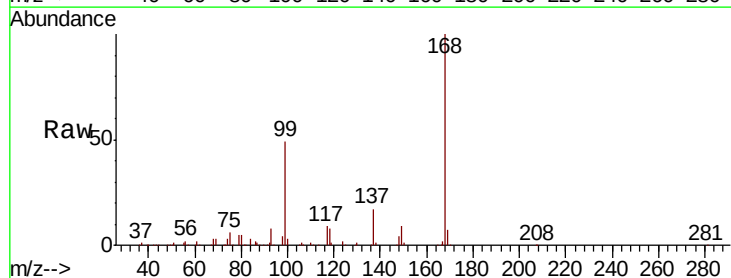
Instrument :
 MSVOA_Y
 ClientSampleId :

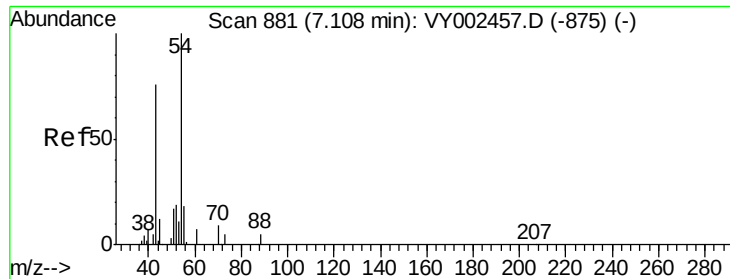
Tot Ion:113 Resp: 118381
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.0 121.4
 192 23.5 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 4.676 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.14 min
 Lab File: VY002465.D
 Acq: 23 Apr 2020 17:24

Tgt Ion: 75 Resp: 17170
 Ion Ratio Lower Upper
 75 100
 110 10.7 19.4 58.4#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.534 ug/l

RT: 7.02 min Scan# 867

Delta R.T. -0.09 min

Lab File: VY002465.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_Y

ClientSampled :

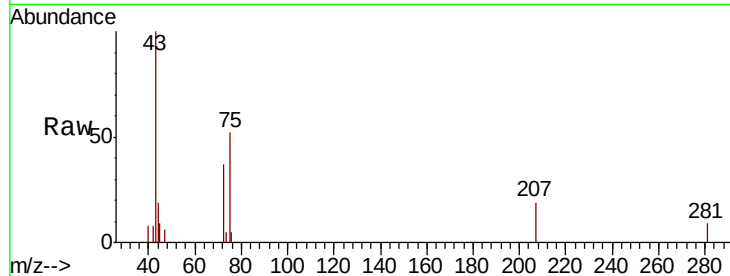
Tot Ion: 43 Resp: 2829

Ion Ratio Lower Upper

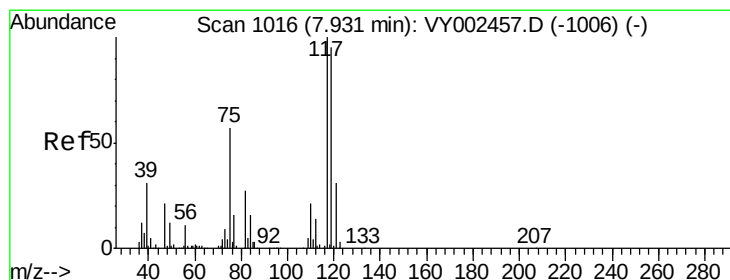
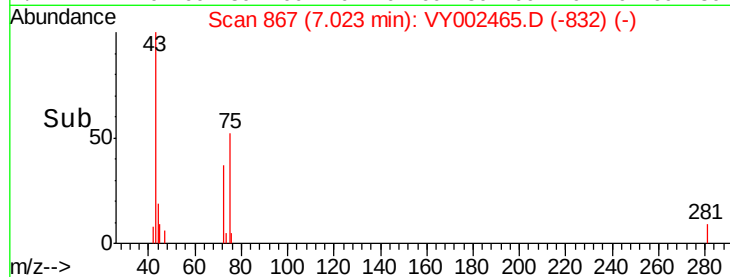
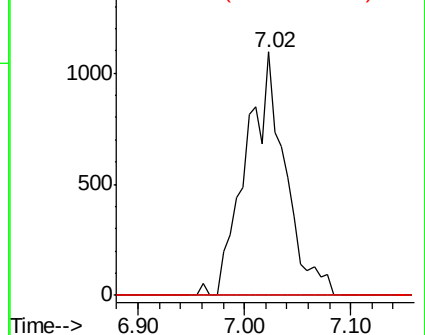
43 100

61 0.0 11.8 17.8#

70 0.0 9.3 13.9#



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: 5.797 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY002465.D

Acq: 23 Apr 2020 17:24

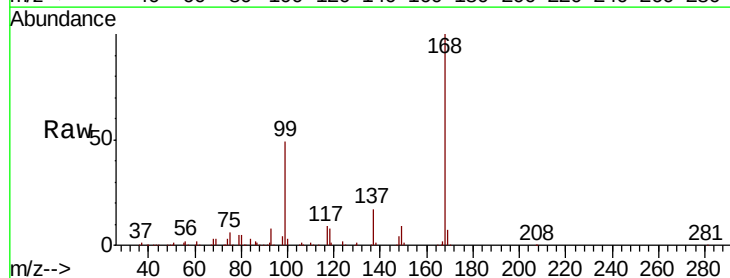
Tgt Ion: 117 Resp: 24476

Ion Ratio Lower Upper

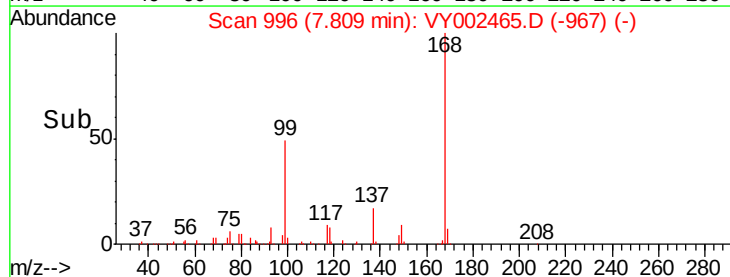
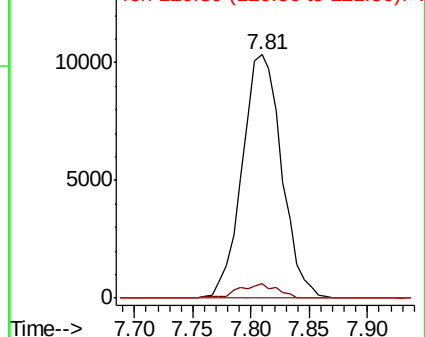
117 100

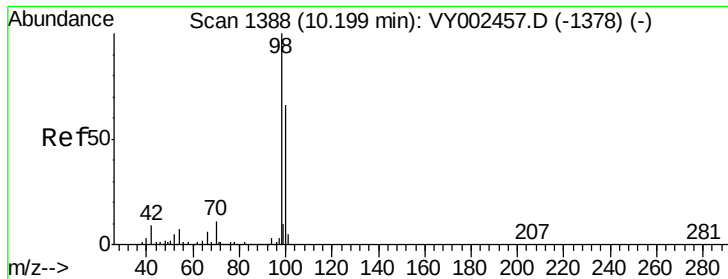
119 6.2 75.9 113.9#

121 0.0 24.5 36.7#



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: 51.612 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VY002465.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_Y

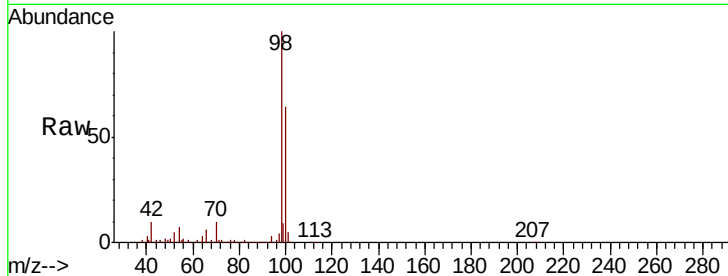
ClientSampleId :

Tot Ion: 98 Resp: 501044

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.19

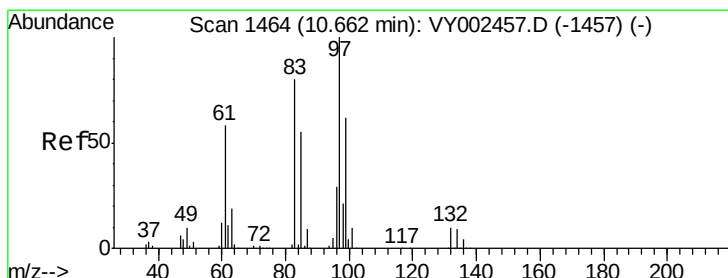
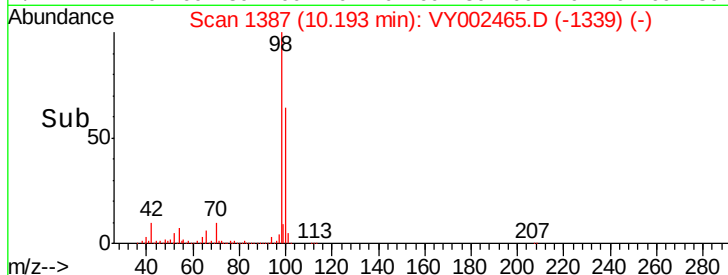
300000

200000

100000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 2.105 ug/l

RT: 10.63 min Scan# 1459

Delta R.T. -0.03 min

Lab File: VY002465.D

Acq: 23 Apr 2020 17:24

Tgt Ion: 97 Resp: 4453

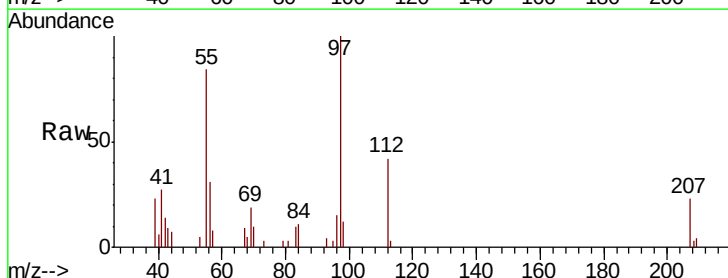
Ion Ratio Lower Upper

97 100

83 10.4 63.8 95.8#

85 0.0 43.9 65.9#

99 0.0 49.8 74.6#



Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

10.63

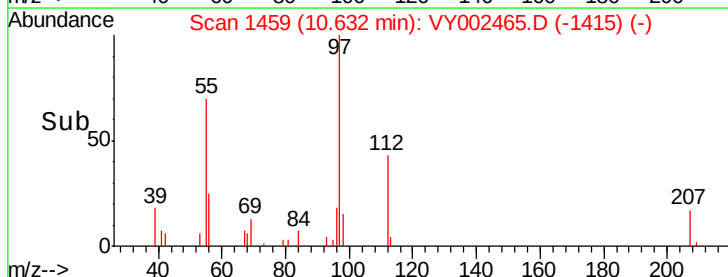
3000

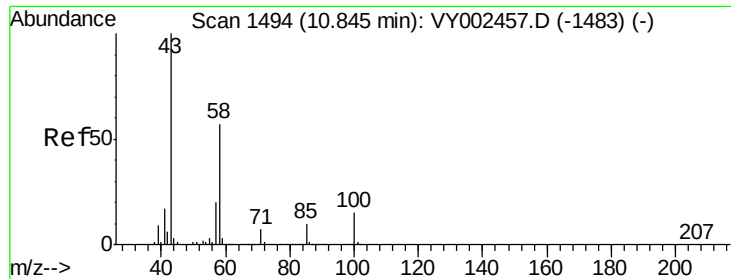
2000

1000

0

Time-->





#59

2-Hexanone

Concen: 1.218 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. -0.04 min

Lab File: VY002465.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_Y

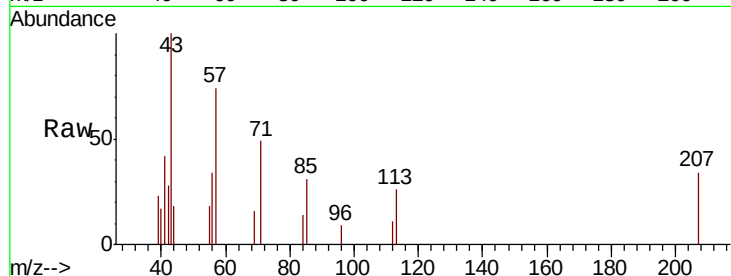
ClientSampleId :

Tot Ion: 43 Resp: 1522

Ion Ratio Lower Upper

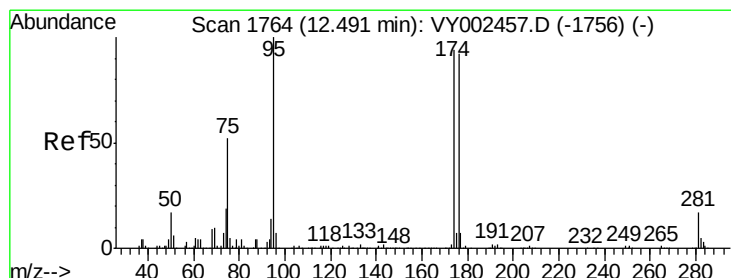
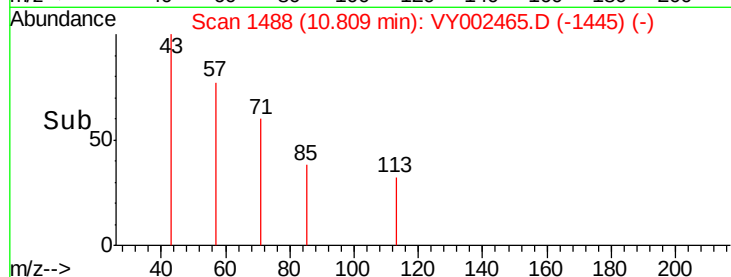
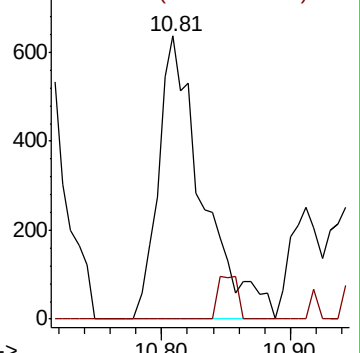
43 100

58 0.0 28.8 86.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 47.364 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002465.D

Acq: 23 Apr 2020 17:24

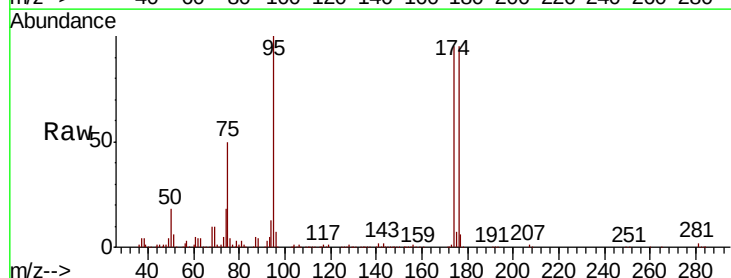
Tgt Ion: 95 Resp: 154284

Ion Ratio Lower Upper

95 100

174 97.3 0.0 193.0

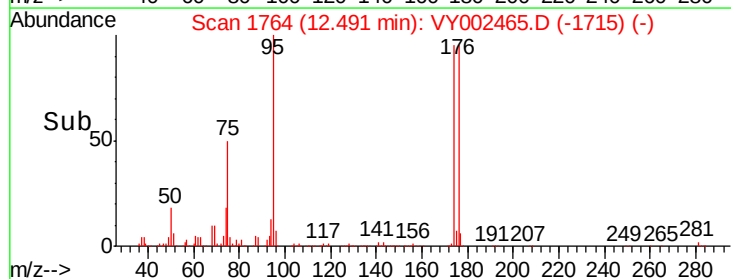
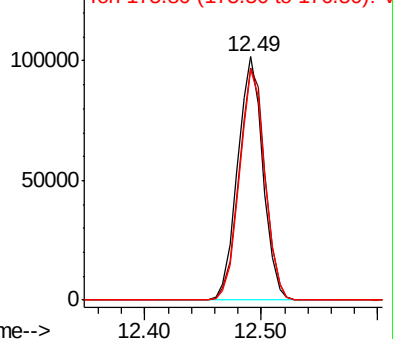
176 94.2 0.0 190.4

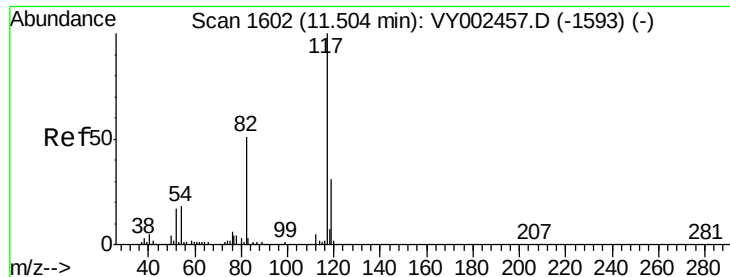


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

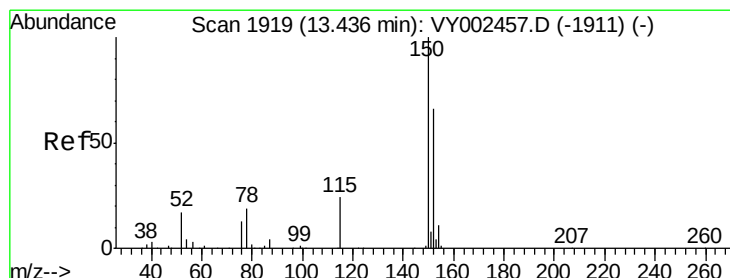
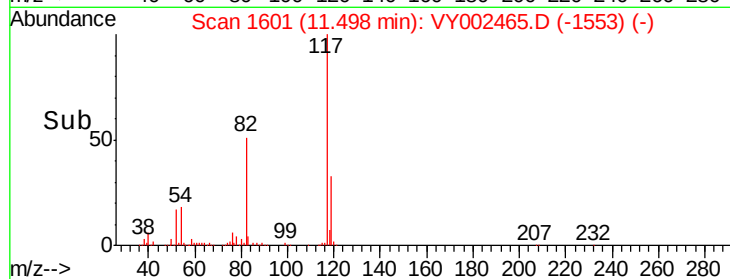
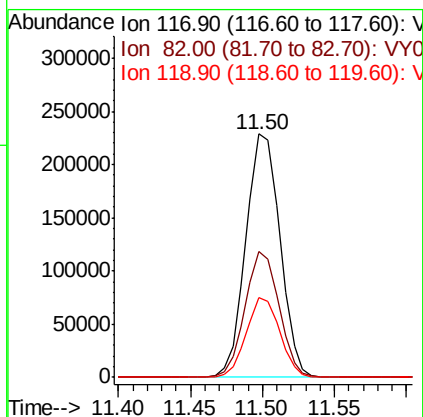
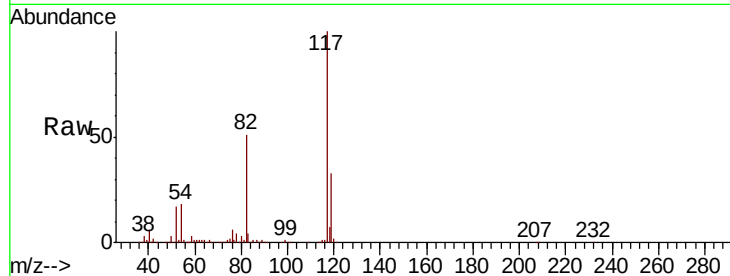




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002465.D
Acq: 23 Apr 2020 17:24

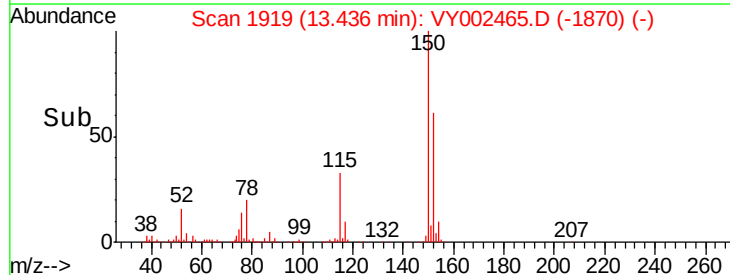
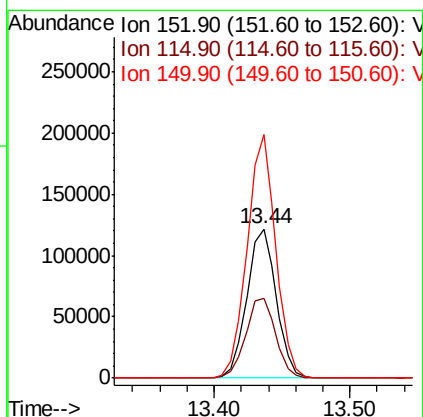
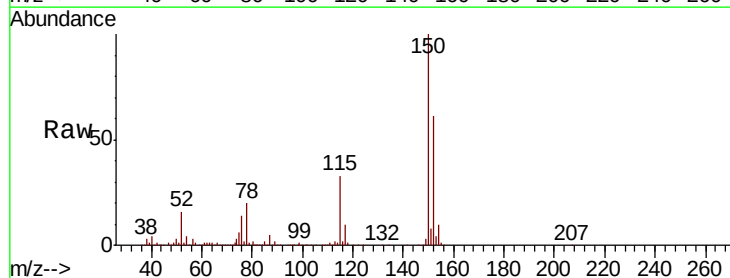
Instrument :
MSVOA_Y
ClientSampleId :

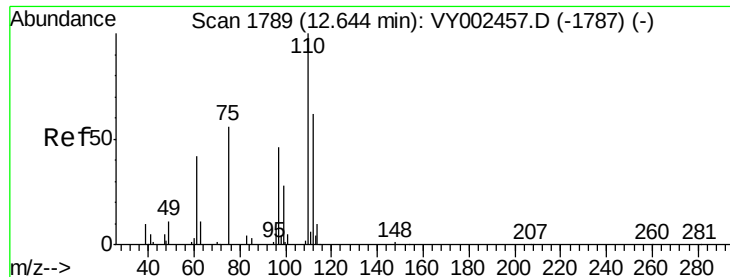
Tot Ion:117 Resp: 376369
Ion Ratio Lower Upper
117 100
82 51.5 40.8 61.2
119 32.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002465.D
Acq: 23 Apr 2020 17:24

Tgt Ion:152 Resp: 184580
Ion Ratio Lower Upper
152 100
115 54.5 27.3 81.8
150 158.1 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 50.316 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002465.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_Y

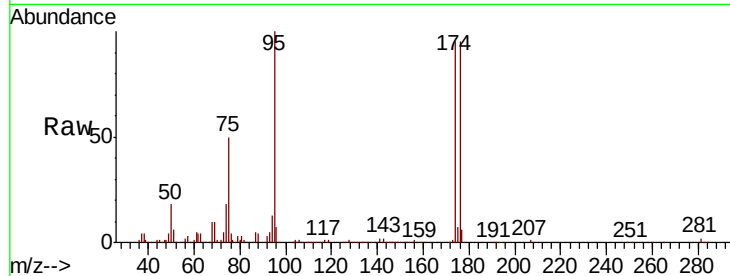
ClientSampleId :

Tot Ion: 75 Resp: 78715

Ion Ratio Lower Upper

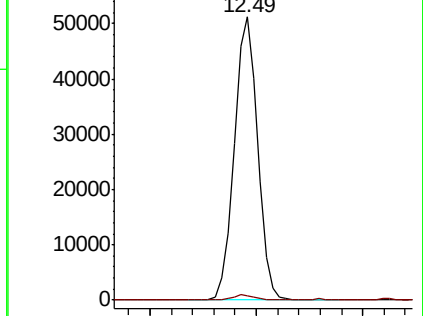
75 100

77 1.8 0.0 0.0#

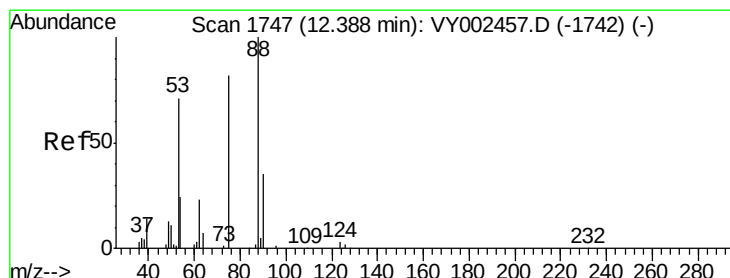
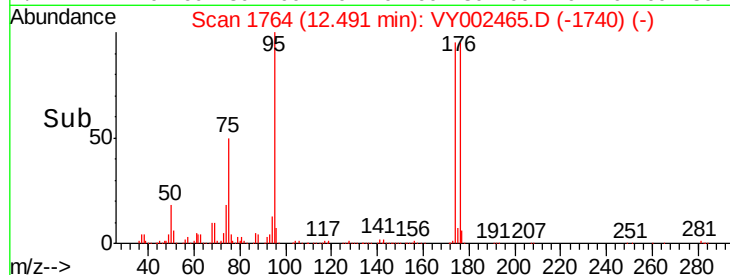


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 93.108 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002465.D

Acq: 23 Apr 2020 17:24

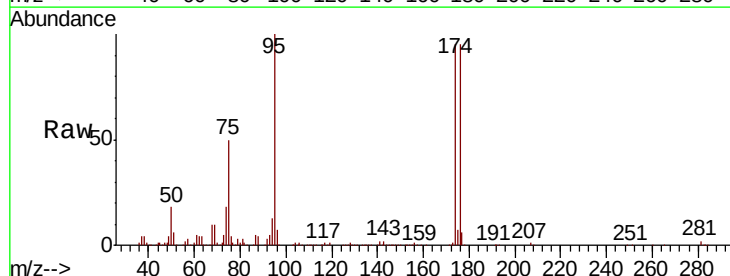
Tgt Ion: 75 Resp: 78715

Ion Ratio Lower Upper

75 100

53 0.0 70.0 105.0#

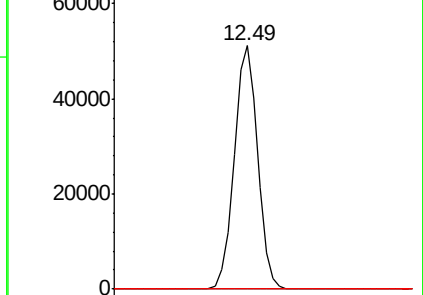
89 0.0 34.9 52.3#



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



Time-->

