

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002565.D
 Acq On : 05 May 2020 01:36
 Operator : SY/MD
 Sample : L2477-02
 Misc : 5.39G/5ML/MSVOA Y/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-0D015-03-012

Quant Time: May 05 07:18:43 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	338015	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	553200	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	496811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	245039	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	169708	59.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.42%	
35) Dibromofluoromethane	7.75	113	126233	39.90	ug/l	0.01
Spiked Amount	50.000		Recovery	=	79.80%	
50) Toluene-d8	10.20	98	645546	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.49	95	215373	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	

Target Compounds

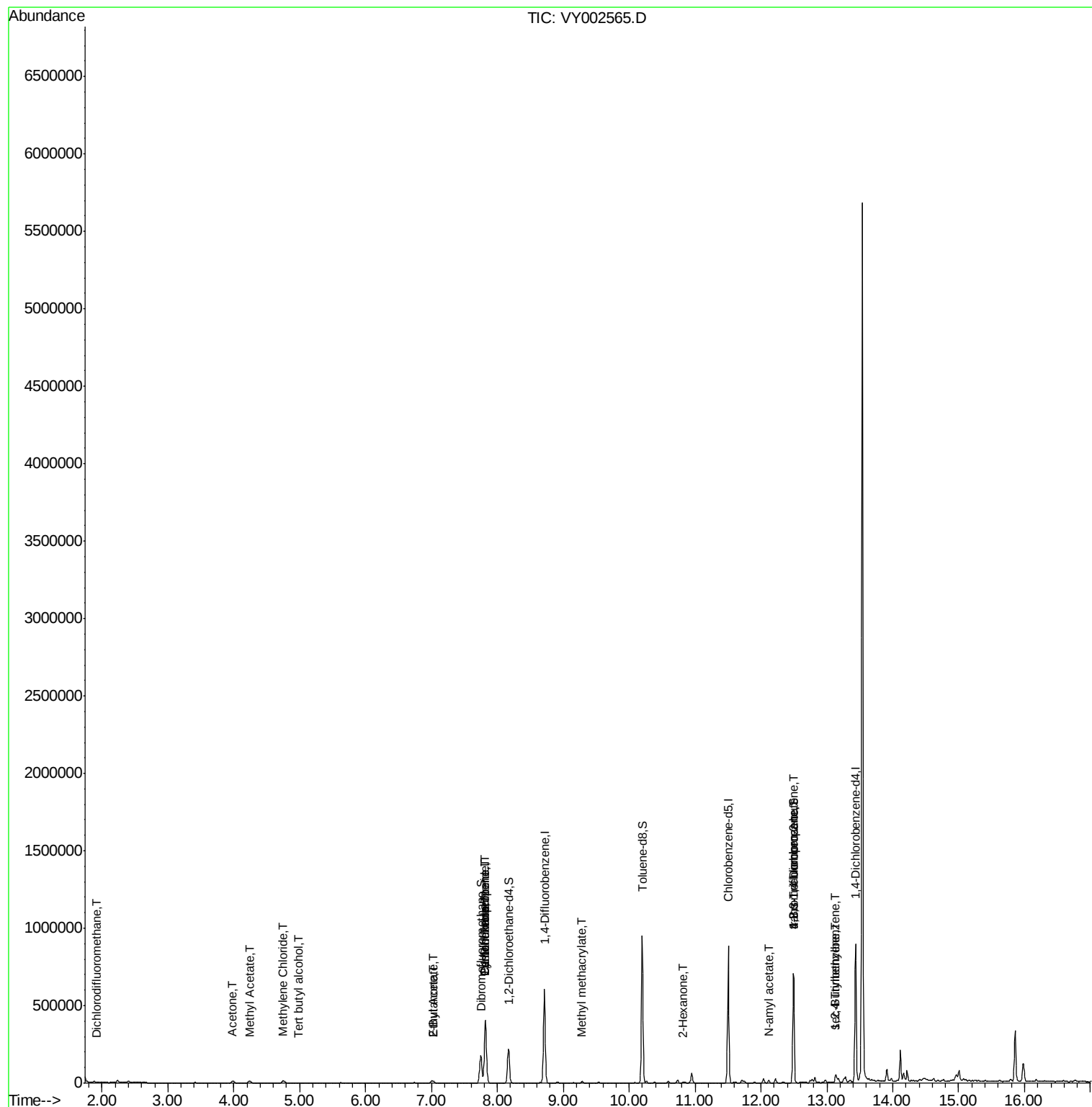
					Qvalue	
2) Dichlorodifluoromethane	1.92	85	22	1.792	ug/l #	1
11) Tert butyl alcohol	4.99	59	1946	6.655	ug/l #	84
16) Acetone	3.98	43	23768	40.522	ug/l	98
18) Methyl Acetate	4.24	43	3306	1.687	ug/l #	48
20) Methylene Chloride	4.75	84	11514	3.510	ug/l	99
25) 2-Butanone	7.04	43	5338	5.560	ug/l #	88
31) Cyclohexane	7.82	56	6098	1.194	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	22623	4.878	ug/l #	48
37) Ethyl Acetate	7.04	43	5338	2.240	ug/l #	67
38) Carbon Tetrachloride	7.82	117	31546	6.231	ug/l #	15
48) Methyl methacrylate	9.28	41	3250	1.607	ug/l #	29
59) 2-Hexanone	10.82	43	4009	2.529	ug/l #	22
74) N-amyl acetate	12.11	43	9256	2.423	ug/l #	45
76) 1,2,3-Trichloropropane	12.49	75	103965	47.743	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	103965	95.735	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.13	105	26055	1.986	ug/l	87
85) sec-Butylbenzene	13.13	105	26055	1.627	ug/l #	54

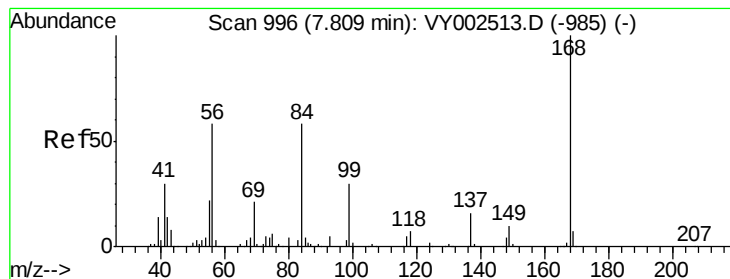
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002565.D

Acq: 05 May 2020 01:36

Instrument :

MSVOA_Y

ClientSampleId :

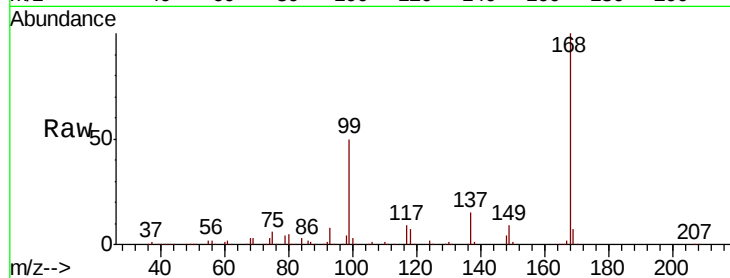
FK-0D015-03-012

Tot Ion:168 Resp: 338015

Ion Ratio Lower Upper

168 100

99 50.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002565.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002565.D (-947) (-)

7.82

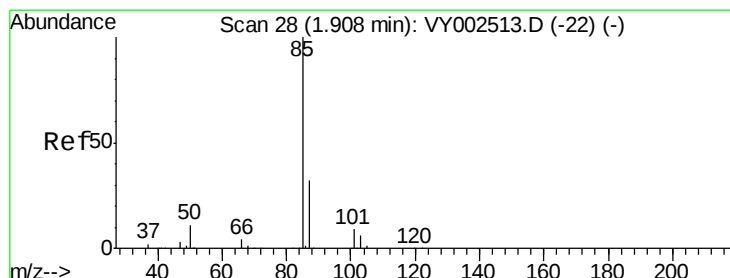
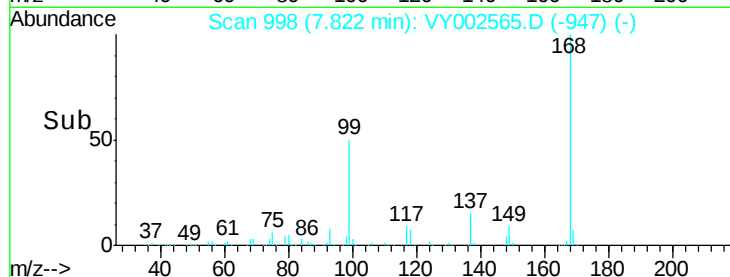
150000

100000

50000

0

Time--> 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 1.792 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002565.D

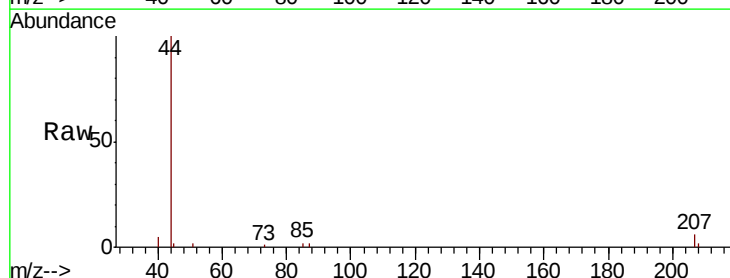
Acq: 05 May 2020 01:36

Tgt Ion: 85 Resp: 22

Ion Ratio Lower Upper

85 100

87 125.4 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002565.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002565.D (-1) (-)

1.92

80

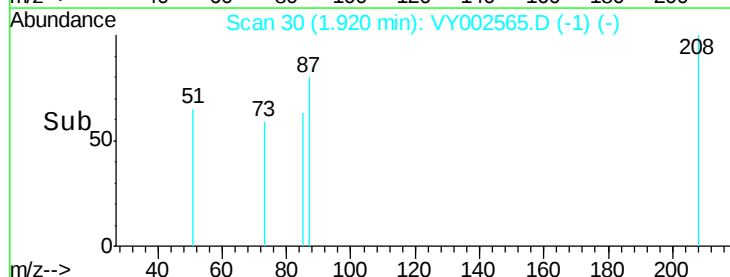
60

40

20

0

Time--> 1.90 1.91 1.92 1.93 1.94



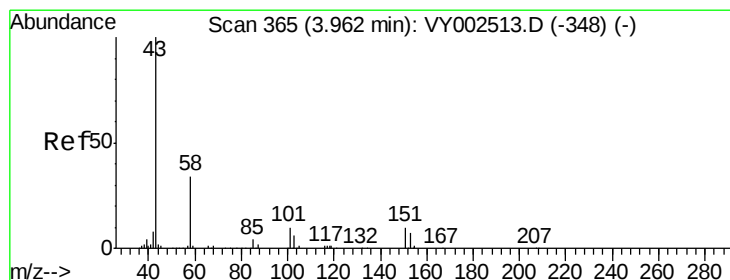
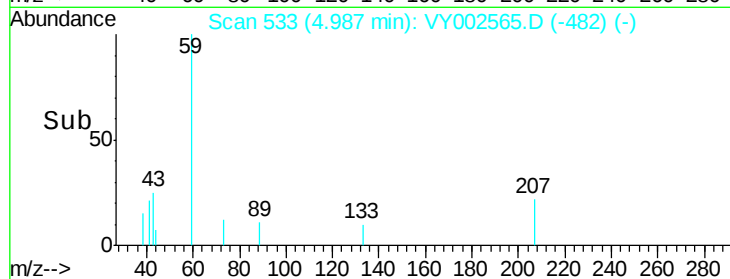
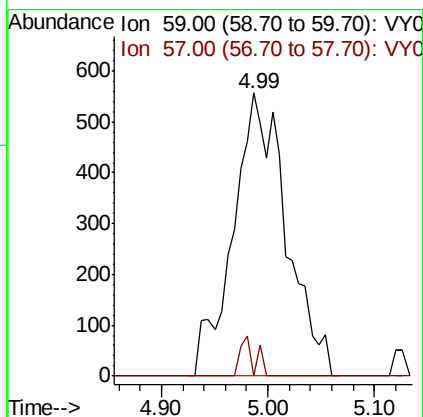
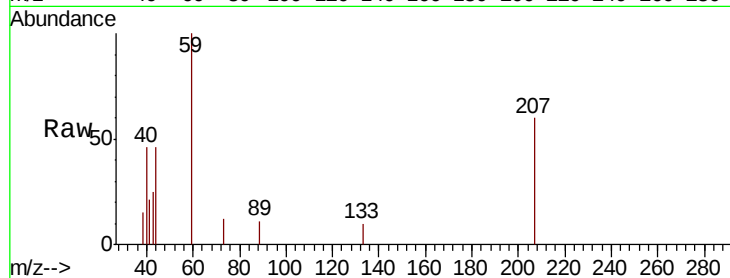


#11

Tert butyl alcohol
 Concen: 6.655 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VY002565.D
 Acq: 05 May 2020 01:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-0D015-03-012

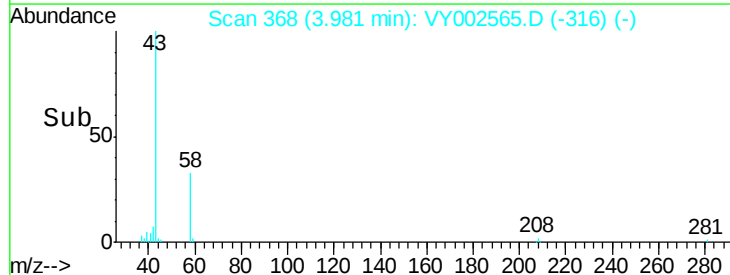
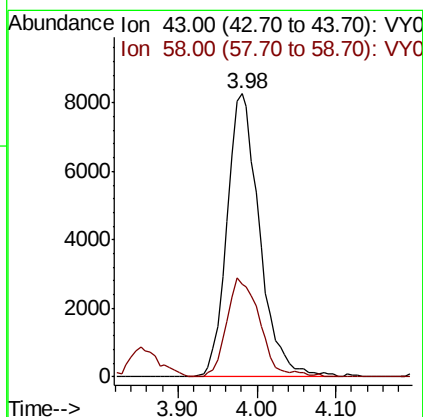
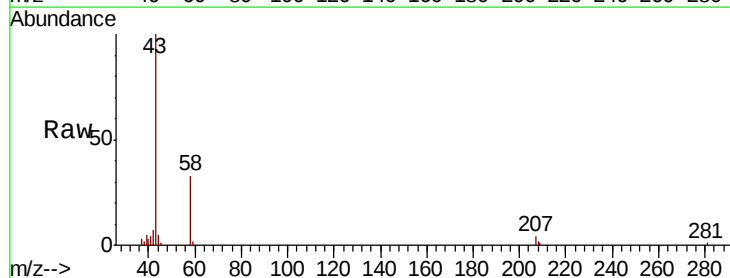
Tot Ion: 59 Resp: 1946
 Ion Ratio Lower Upper
 59 100
 57 3.8 7.8 11.6#

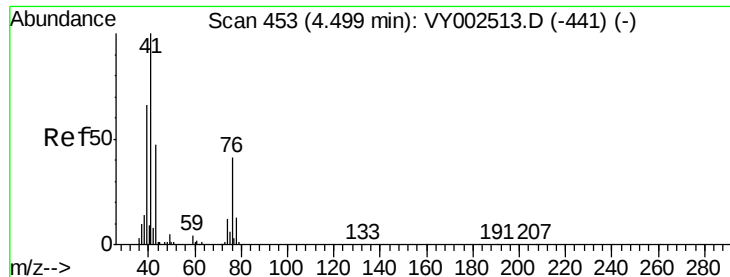


#16

Acetone
 Concen: 40.522 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.02 min
 Lab File: VY002565.D
 Acq: 05 May 2020 01:36

Tgt Ion: 43 Resp: 23768
 Ion Ratio Lower Upper
 43 100
 58 32.5 26.9 40.3

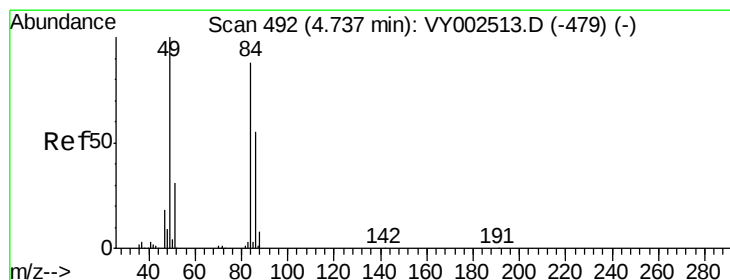
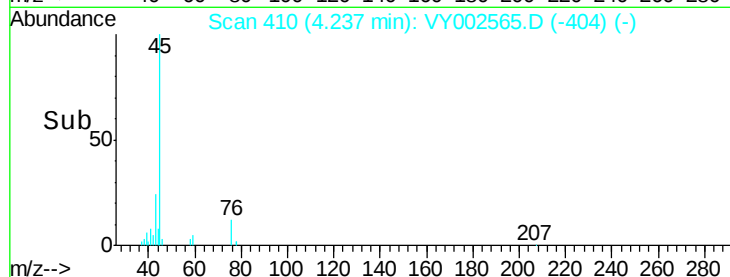
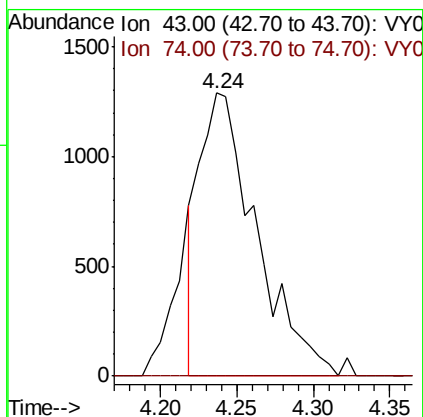
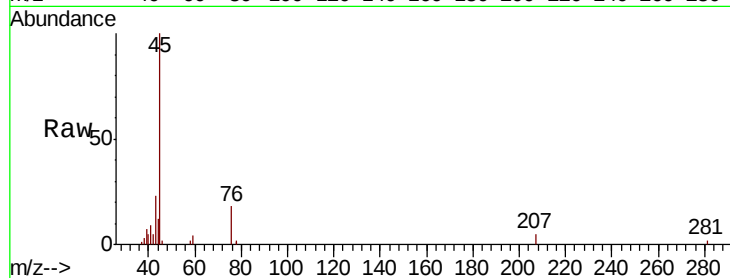




#18
Methyl Acetate
Concen: 1.687 ug/l
RT: 4.24 min Scan# 410
Delta R.T. -0.26 min
Lab File: VY002565.D
Acq: 05 May 2020 01:36

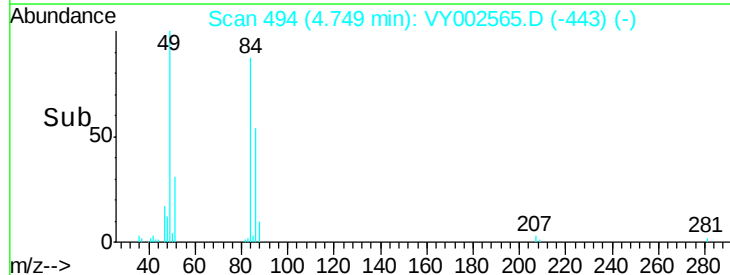
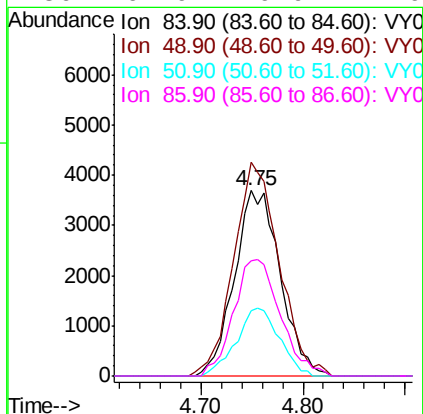
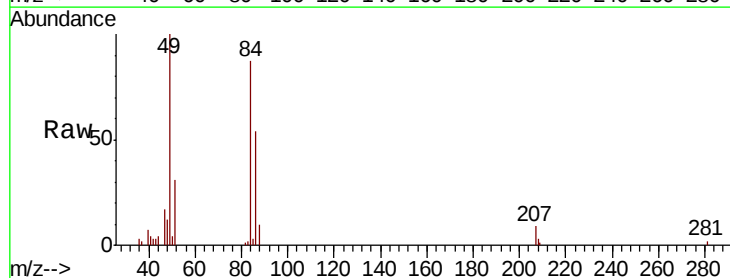
Instrument :
MSVOA_Y
ClientSampleId :
FK-0D015-03-012

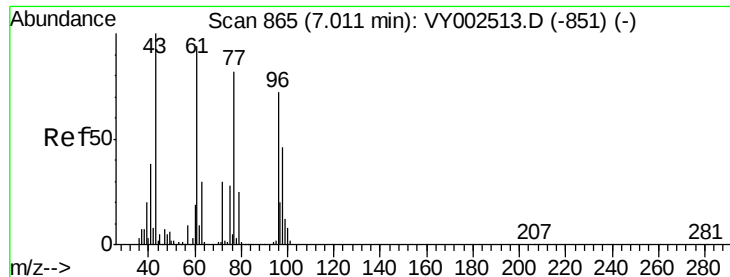
Tot Ion: 43 Resp: 3306
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#



#20
Methylene Chloride
Concen: 3.510 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002565.D
Acq: 05 May 2020 01:36

Tgt Ion: 84 Resp: 11514
Ion Ratio Lower Upper
84 100
49 115.2 90.5 135.7
51 35.4 28.3 42.5
86 61.9 49.9 74.9





#25

2-Butanone

Concen: 5.560 ug/l

RT: 7.04 min Scan# 869

Delta R.T. 0.02 min

Lab File: VY002565.D

Acq: 05 May 2020 01:36

Instrument :

MSVOA_Y

ClientSampleId :

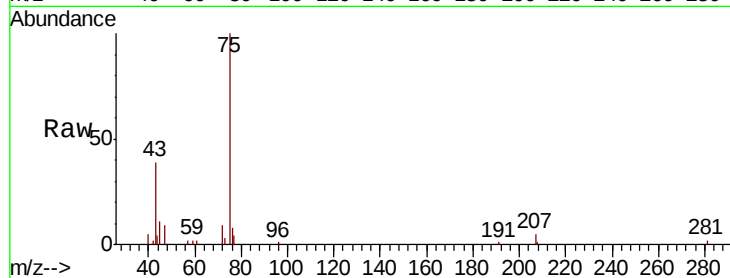
FK-0D015-03-012

Tot Ion: 43 Resp: 5338

Ion Ratio Lower Upper

43 100

72 23.4 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.04

2000

1500

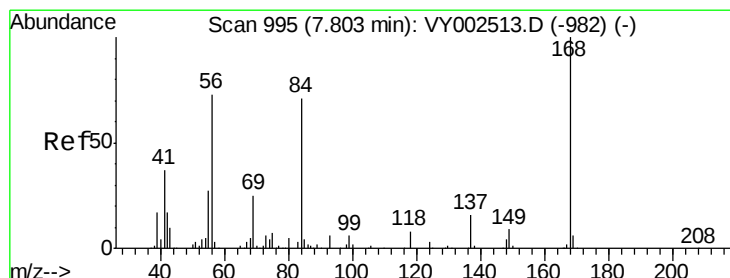
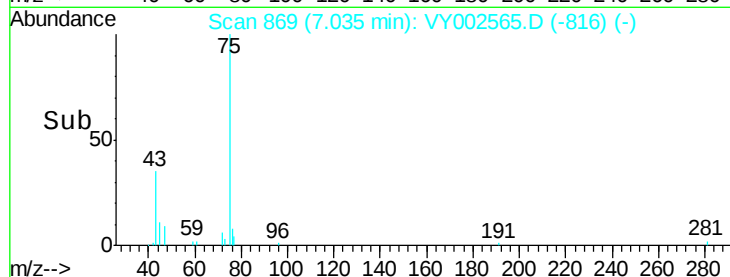
1000

500

0

6.95 7.00 7.05 7.10

Time-->



#31

Cyclohexane

Concen: 1.194 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002565.D

Acq: 05 May 2020 01:36

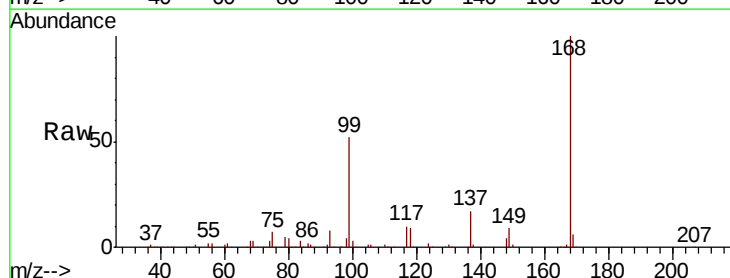
Tgt Ion: 56 Resp: 6098

Ion Ratio Lower Upper

56 100

69 155.9 27.6 41.4#

84 176.5 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

6000

5000

4000

3000

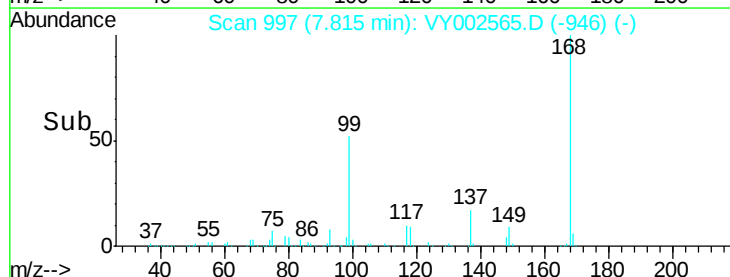
2000

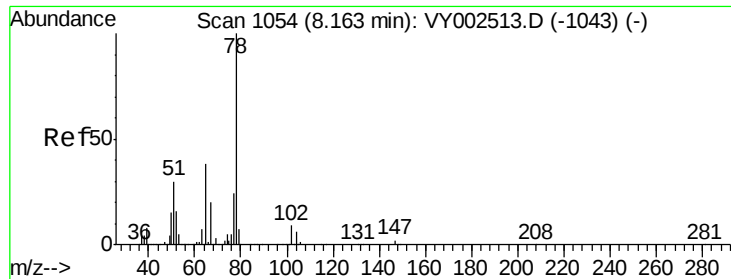
1000

0

7.75 7.80 7.85 7.90

Time-->

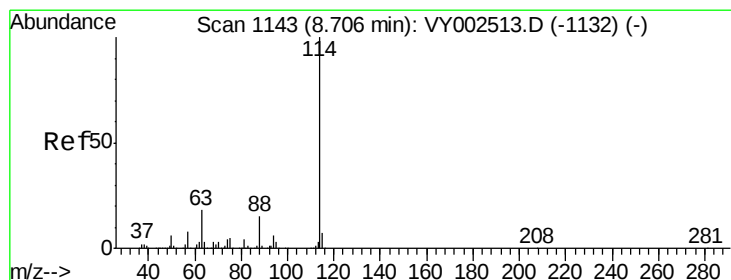
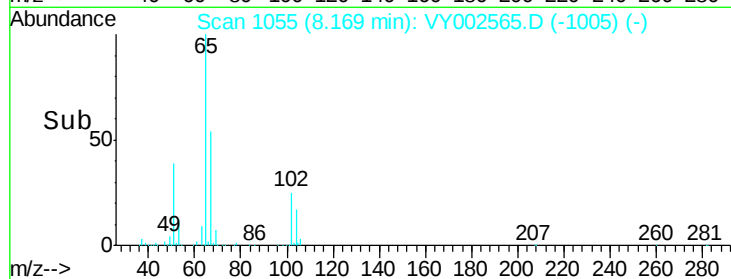
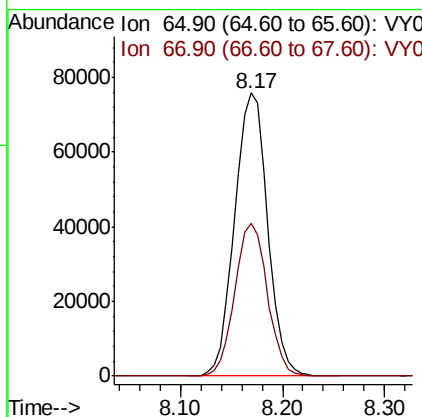
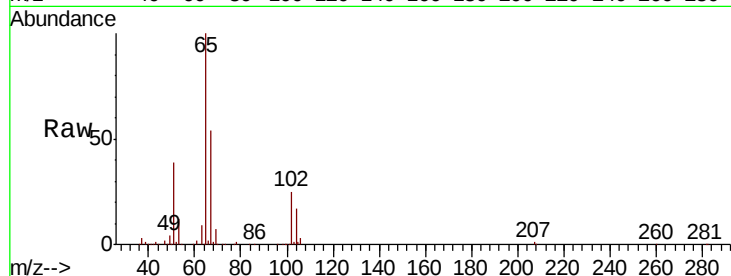




#33
 1,2-Dichloroethane-d4
 Concen: 59.712 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY002565.D
 Acq: 05 May 2020 01:36

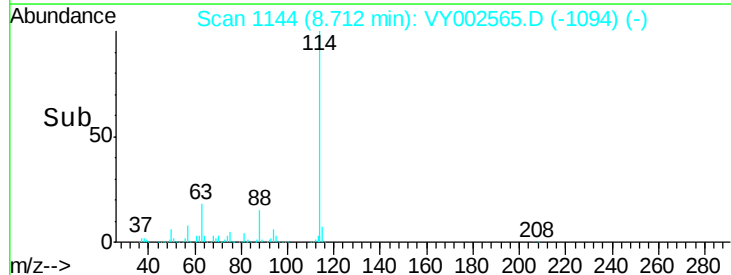
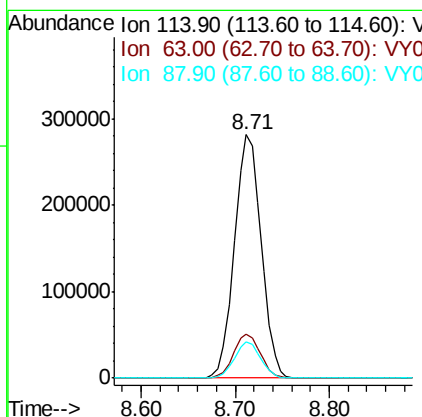
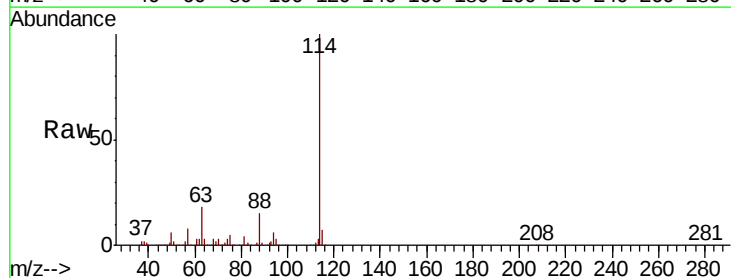
Instrument :
 MSVOA_Y
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 FK-0D015-03-012

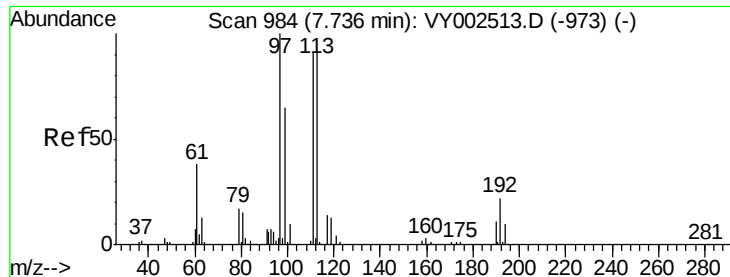
Tot Ion: 65 Resp: 169708
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002565.D
 Acq: 05 May 2020 01:36

Tgt Ion: 114 Resp: 553200
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.4
 88 14.8 0.0 29.6





#35

Dibromofluoromethane

Concen: 39.900 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY002565.D

Acq: 05 May 2020 01:36

Instrument :

MSVOA_Y

ClientSampleId :

FK-0D015-03-012

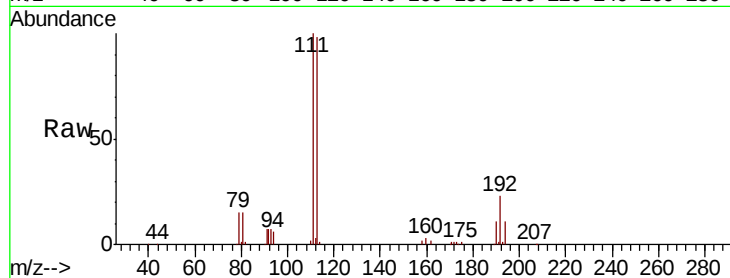
Tot Ion:113 Resp: 126233

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.6

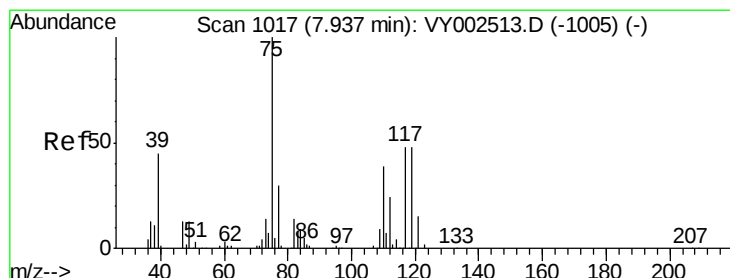
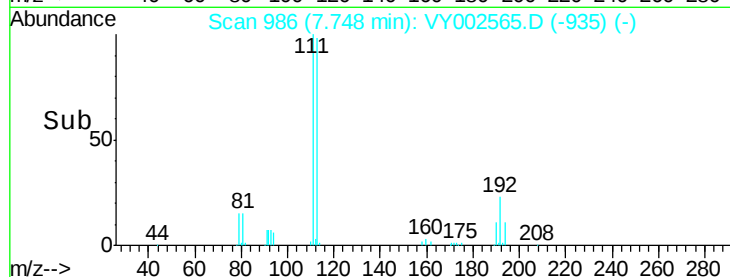
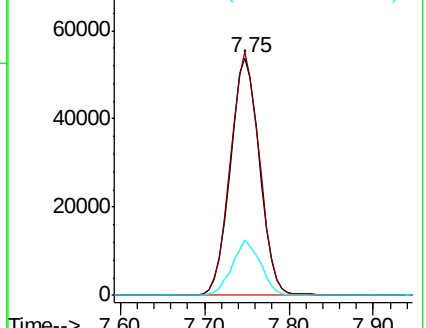
192 22.5 18.2 27.4



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: 4.878 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.12 min

Lab File: VY002565.D

Acq: 05 May 2020 01:36

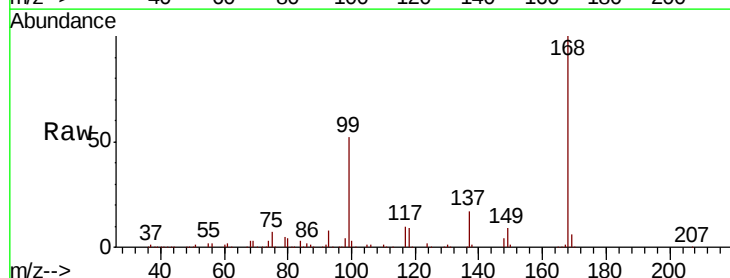
Tgt Ion: 75 Resp: 22623

Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.3#

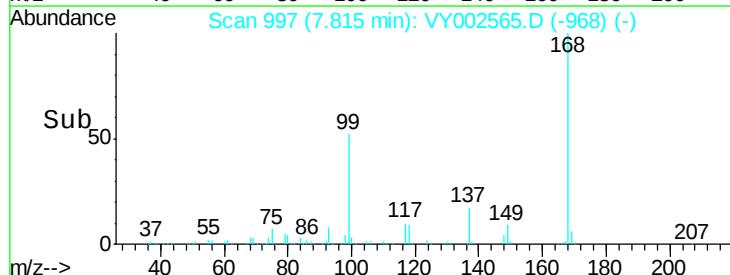
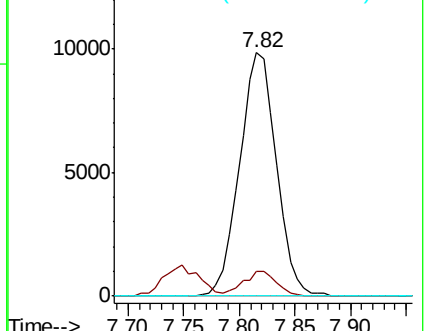
77 0.0 24.6 37.0#

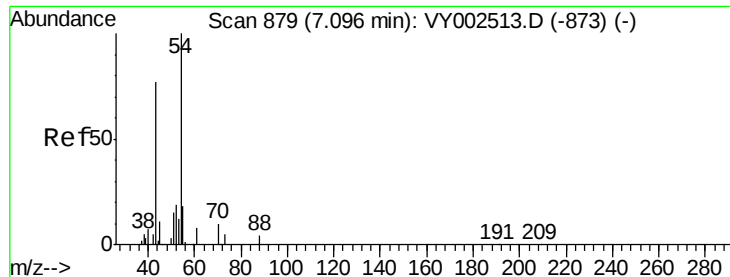


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 2.240 ug/l

RT: 7.04 min Scan# 869

Delta R.T. -0.06 min

Lab File: VY002565.D

Acq: 05 May 2020 01:36

Instrument :

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ClientSampleId :

FK-0D015-03-012

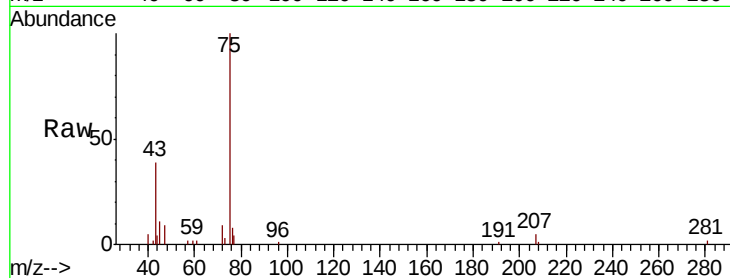
Tot Ion: 43 Resp: 5338

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

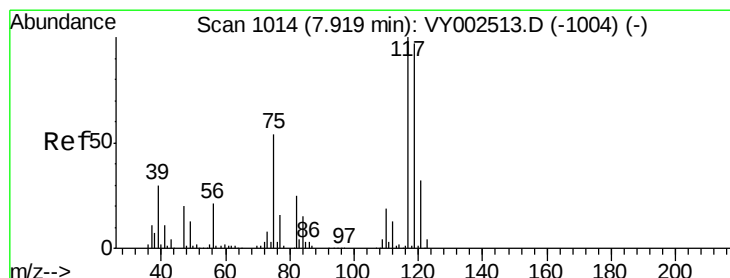
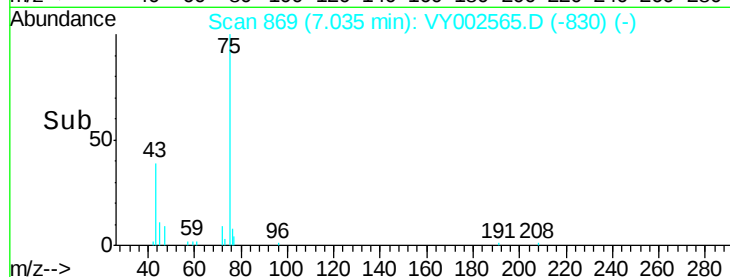
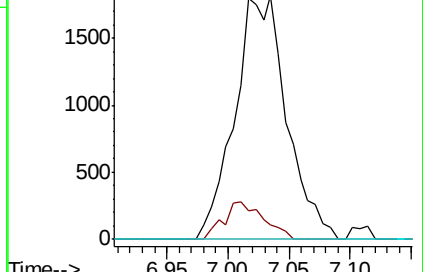
70 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VY002565.D (-830) (-)

Ion 60.90 (60.60 to 61.60): VY002565.D (-830) (-)

Ion 70.00 (69.70 to 70.70): VY002565.D (-830) (-)



#38

Carbon Tetrachloride

Concen: 6.231 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY002565.D

Acq: 05 May 2020 01:36

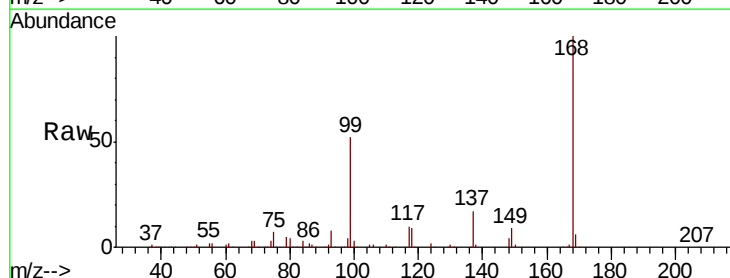
Tgt Ion: 117 Resp: 31546

Ion Ratio Lower Upper

117 100

119 4.0 77.1 115.7#

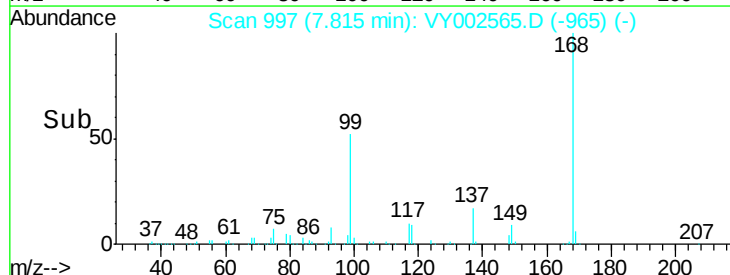
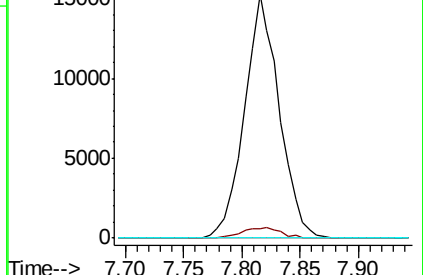
121 0.0 25.2 37.8#

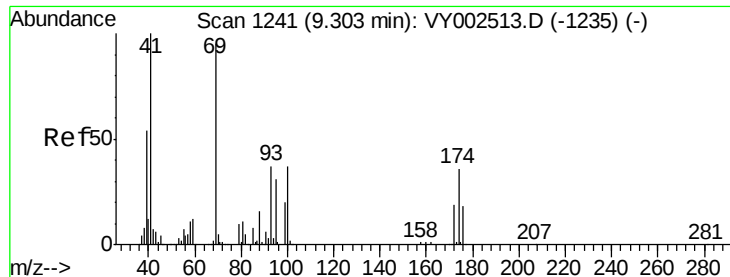


Abundance Ion 116.80 (116.50 to 117.50): VY002565.D (-965) (-)

Ion 118.80 (118.50 to 119.50): VY002565.D (-965) (-)

Ion 120.80 (120.50 to 121.50): VY002565.D (-965) (-)

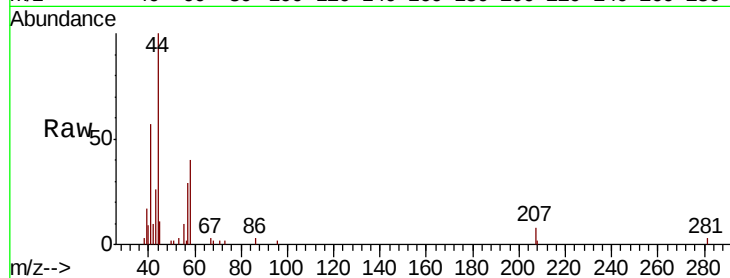




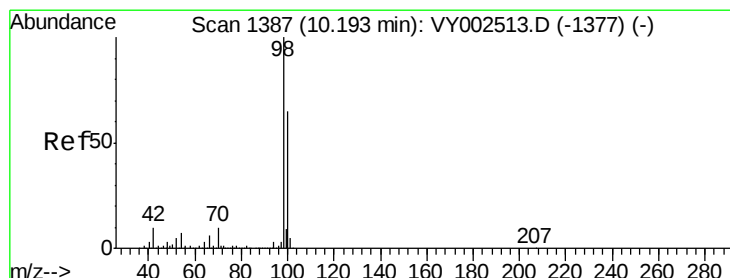
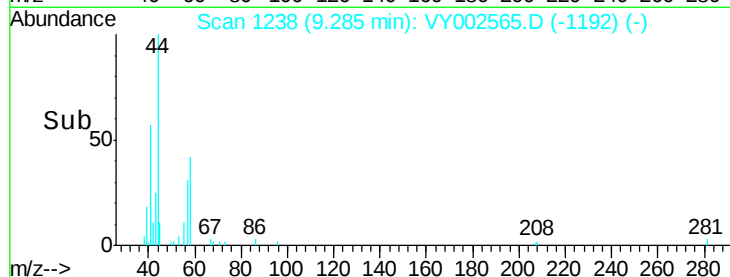
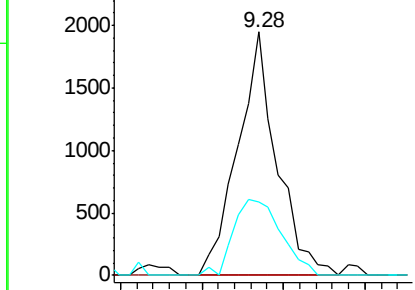
#48
Methvl methacrylate
Concen: 1.607 ug/l
RT: 9.28 min Scan# 1238
Delta R.T. -0.02 min
Lab File: VY002565.D
Acq: 05 May 2020 01:36

Instrument :
MSVOA_Y
ClientSampleId :
FK-0D015-03-012

Tot Ion: 41 Resp: 3250
Ion Ratio Lower Upper
41 100
69 0.0 76.2 114.4#
39 37.8 42.7 64.1#

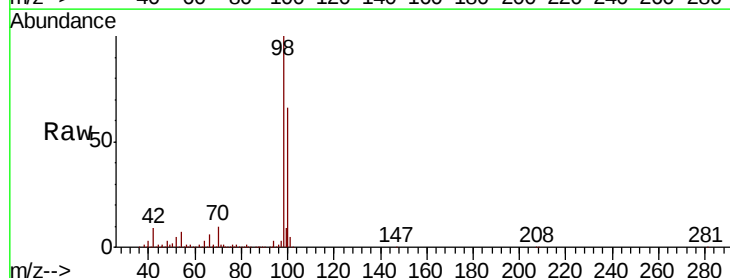


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

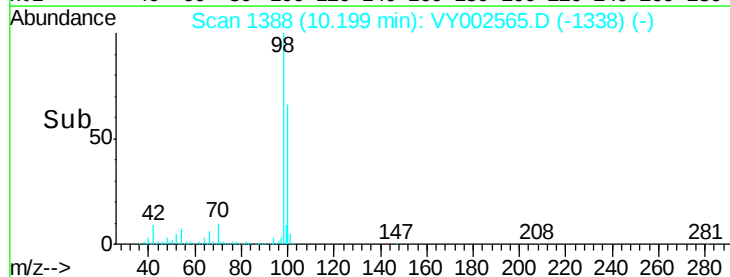
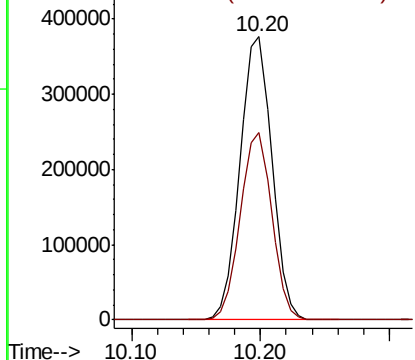


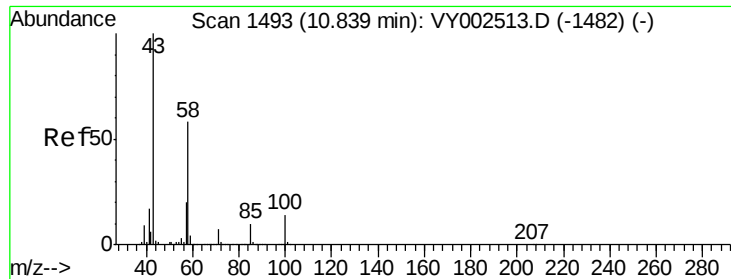
#50
Toluene-d8
Concen: 52.250 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY002565.D
Acq: 05 May 2020 01:36

Tgt Ion: 98 Resp: 645546
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#59

2-Hexanone

Concen: 2.529 ug/l

RT: 10.82 min Scan# 1490

Delta R.T. -0.02 min

Lab File: VY002565.D

Acq: 05 May 2020 01:36

Instrument :

MSVOA_Y

ClientSampleId :

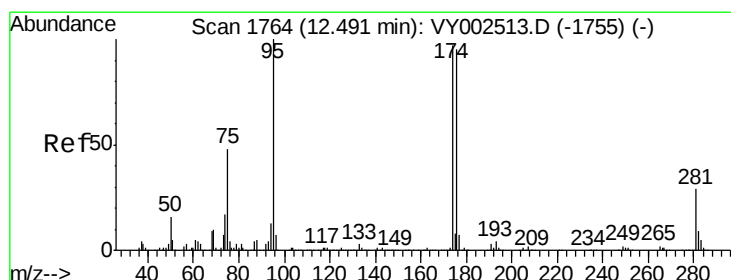
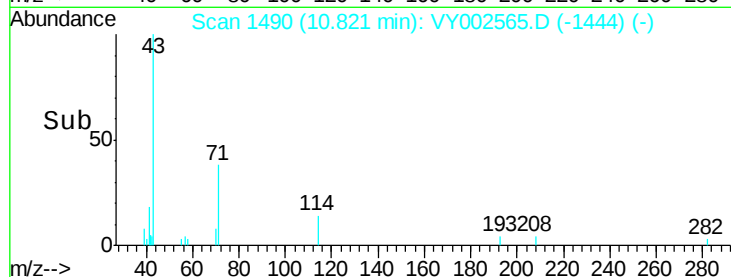
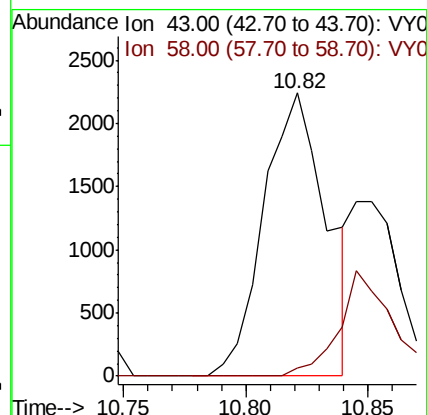
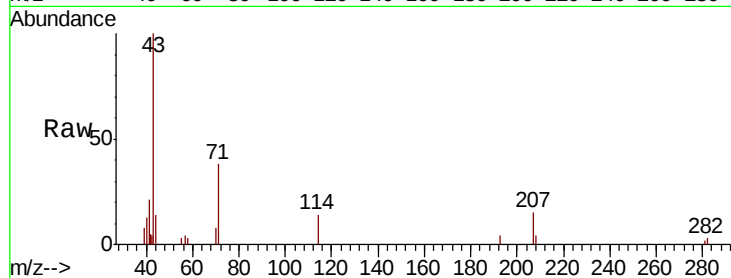
FK-0D015-03-012

Tot Ion: 43 Resp: 4009

Ion Ratio Lower Upper

43 100

58 0.0 29.1 87.3#



#62

4-Bromofluorobenzene

Concen: 51.373 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002565.D

Acq: 05 May 2020 01:36

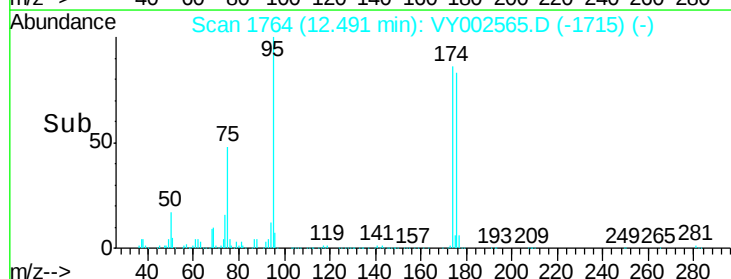
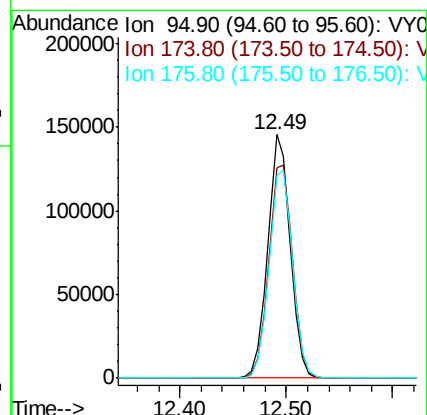
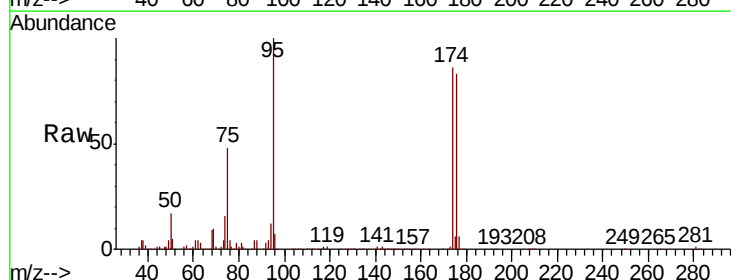
Tgt Ion: 95 Resp: 215373

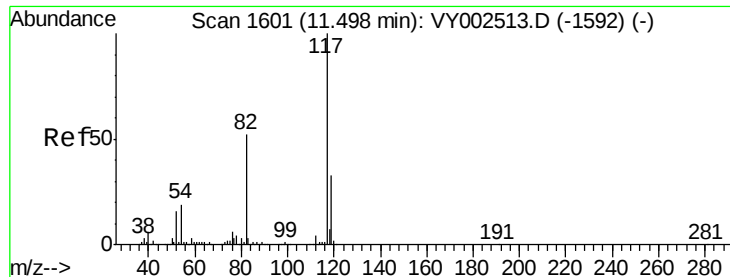
Ion Ratio Lower Upper

95 100

174 92.6 0.0 188.8

176 89.7 0.0 183.2

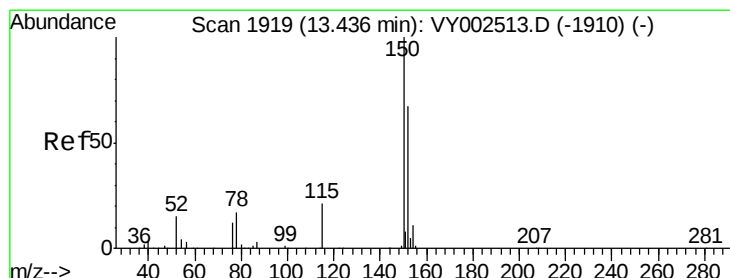
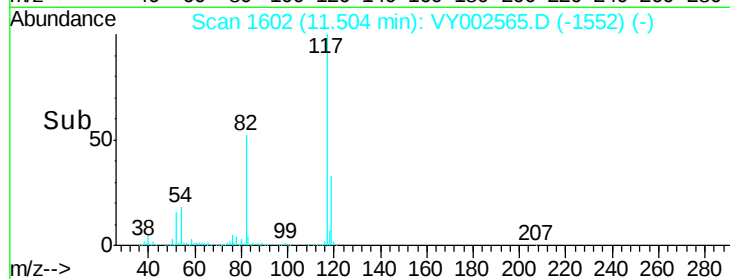
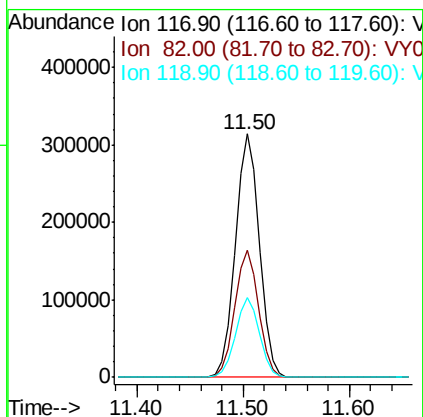
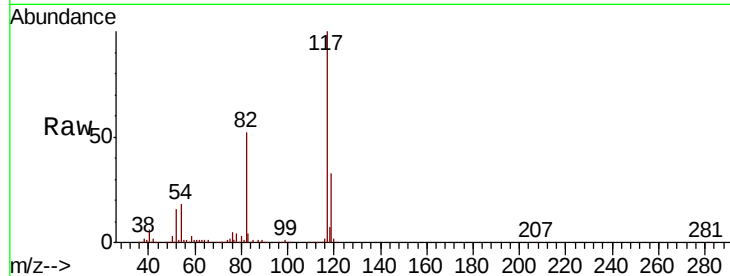




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002565.D
Acq: 05 May 2020 01:36

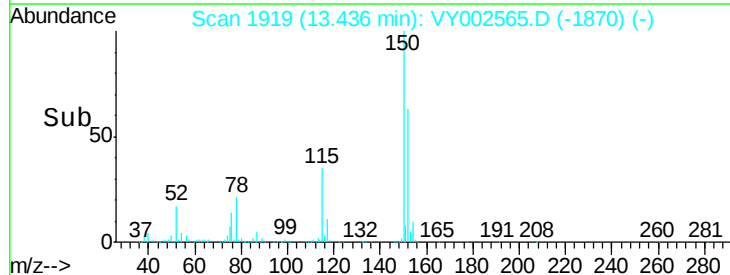
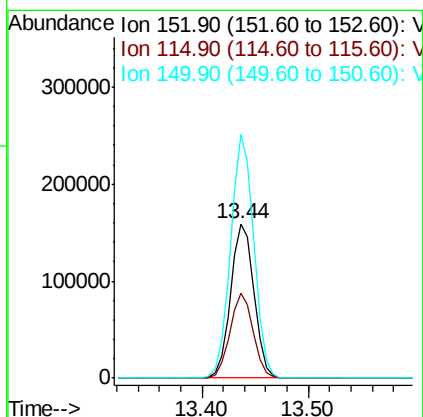
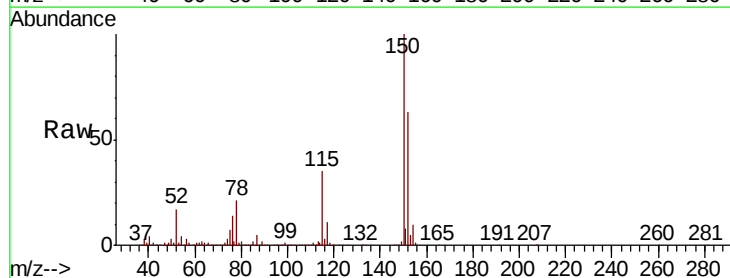
Instrument :
MSVOA_Y
ClientSampleId :
FK-0D015-03-012

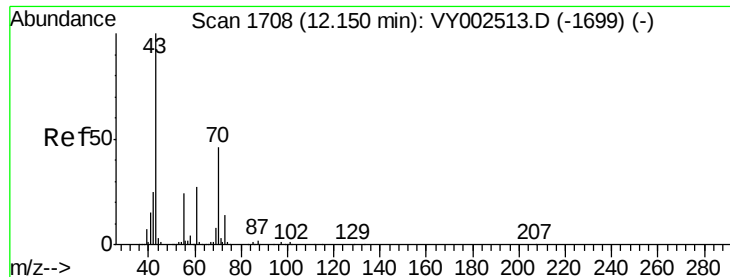
Tot Ion:117 Resp: 496811
Ion Ratio Lower Upper
117 100
82 52.4 41.3 61.9
119 32.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002565.D
Acq: 05 May 2020 01:36

Tgt Ion:152 Resp: 245039
Ion Ratio Lower Upper
152 100
115 54.7 27.5 82.4
150 156.3 0.0 346.4





#74

N-amvl acetate

Concen: 2.423 ug/l

RT: 12.11 min Scan# 1702

Delta R.T. -0.04 min

Lab File: VY002565.D

Acq: 05 May 2020 01:36

Instrument :

MSVOA_Y

ClientSampleId :

FK-0D015-03-012

Tot Ion: 43 Resp: 9256

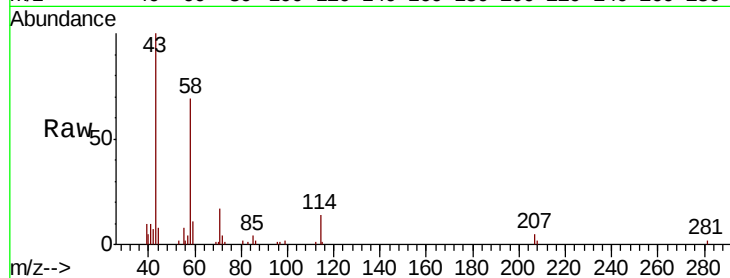
Ion Ratio Lower Upper

43 100

70 0.0 36.7 55.1#

55 8.4 19.2 28.8#

61 0.0 21.1 31.7#

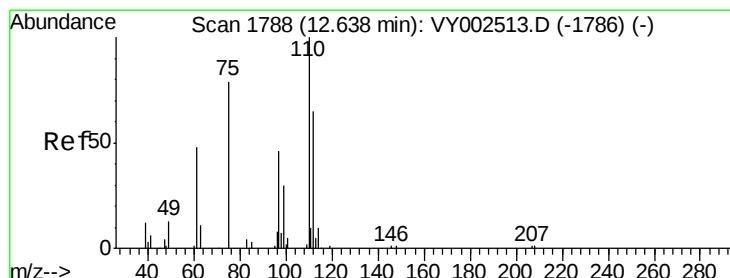
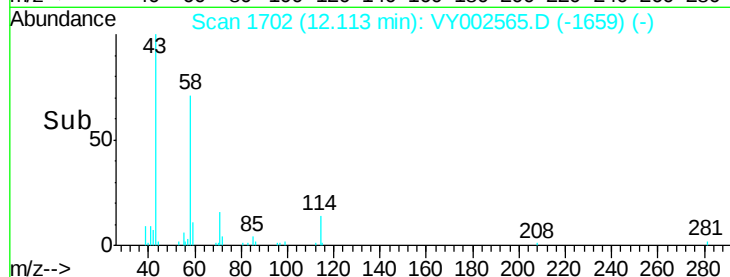
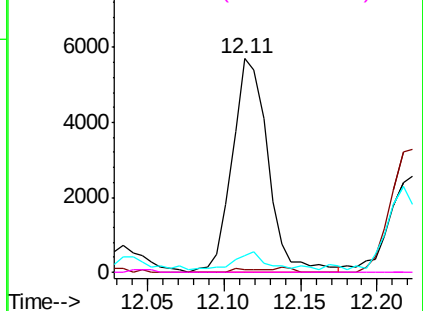


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#76

1,2,3-Trichloropropane

Concen: 47.743 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002565.D

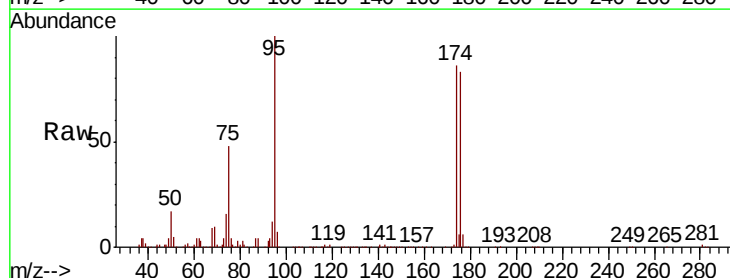
Acq: 05 May 2020 01:36

Tgt Ion: 75 Resp: 103965

Ion Ratio Lower Upper

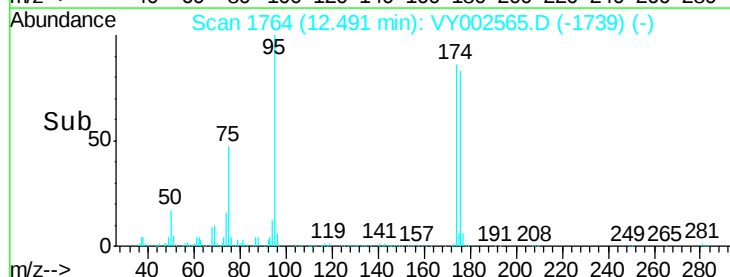
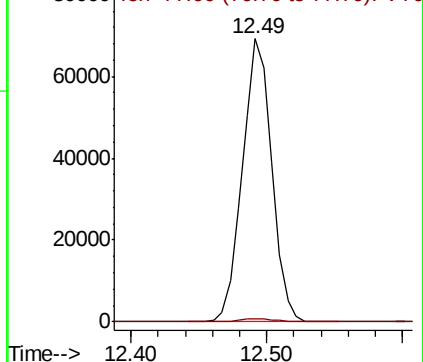
75 100

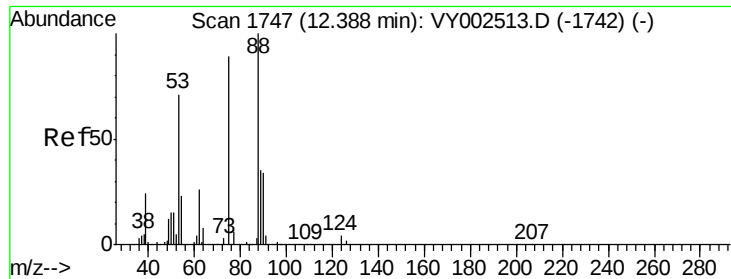
77 1.3 0.0 0.0#



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: 95.735 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002565.D

Acq: 05 May 2020 01:36

Instrument :

MSVOA_Y

ClientSampleId :

FK-0D015-03-012

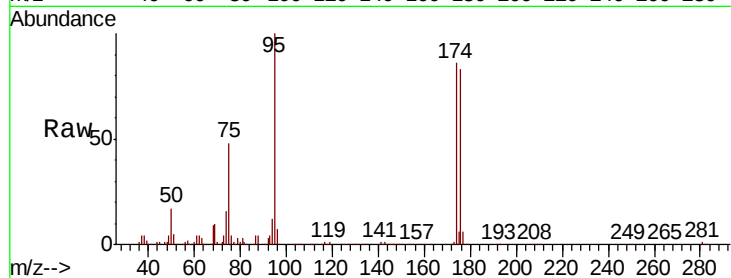
Tot Ion: 75 Resp: 103965

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

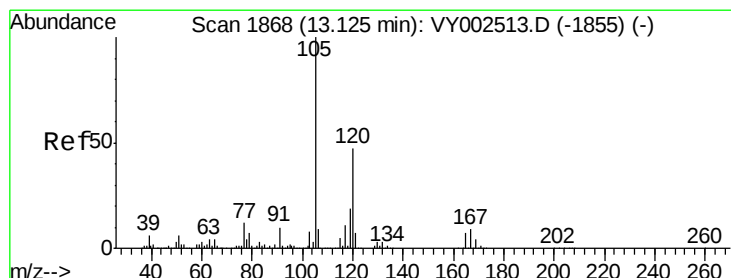
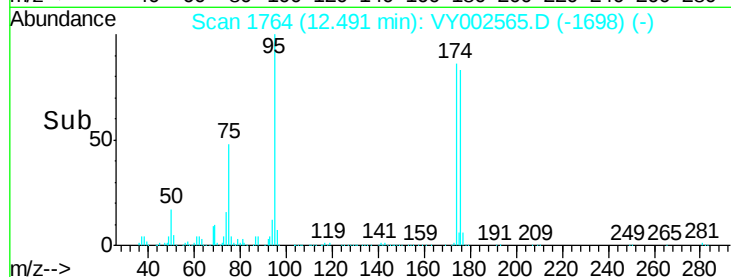
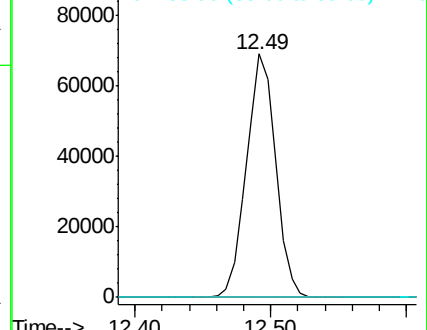
89 0.0 37.4 56.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.986 ug/l

RT: 13.13 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VY002565.D

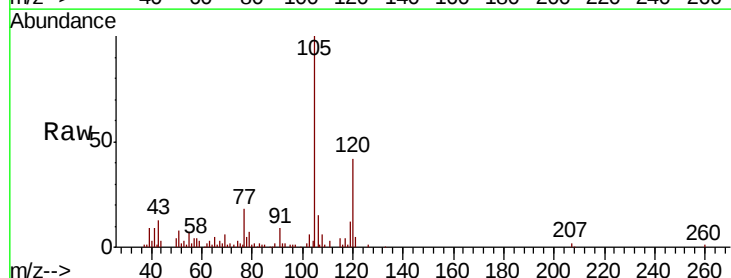
Acq: 05 May 2020 01:36

Tgt Ion:105 Resp: 26055

Ion Ratio Lower Upper

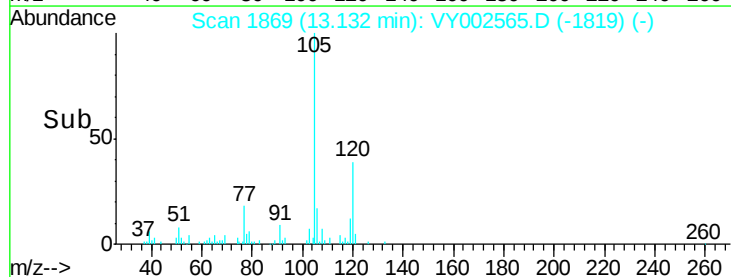
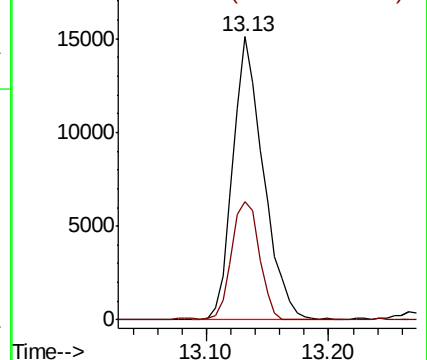
105 100

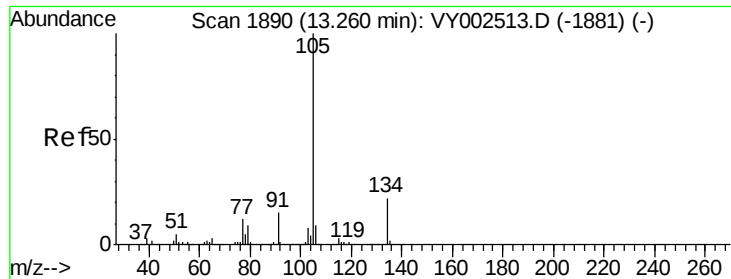
120 37.9 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.627 ug/l

RT: 13.13 min Scan# 1869

Delta R.T. -0.13 min

Lab File: VY002565.D

Acq: 05 May 2020 01:36

Instrument :

MSVOA_Y

ClientSampleId :

FK-0D015-03-012

Tot Ion:105 Resp: 26055

Ion Ratio Lower Upper

105 100

134 0.0 10.8 32.3#

