

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002568.D
 Acq On : 05 May 2020 02:43
 Operator : SY/MD
 Sample : L2479-02
 Misc : 4.80G/5ML/MSVOA Y/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 05 07:19:28 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	334043	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	543204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	501514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	253699	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	165435	58.90	ug/l	0.00
Spiked Amount			Recovery	=	117.80%	
35) Dibromofluoromethane	7.75	113	117951	37.97	ug/l	0.01
Spiked Amount			Recovery	=	75.94%	
50) Toluene-d8	10.20	98	643344	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.50	95	217936	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	

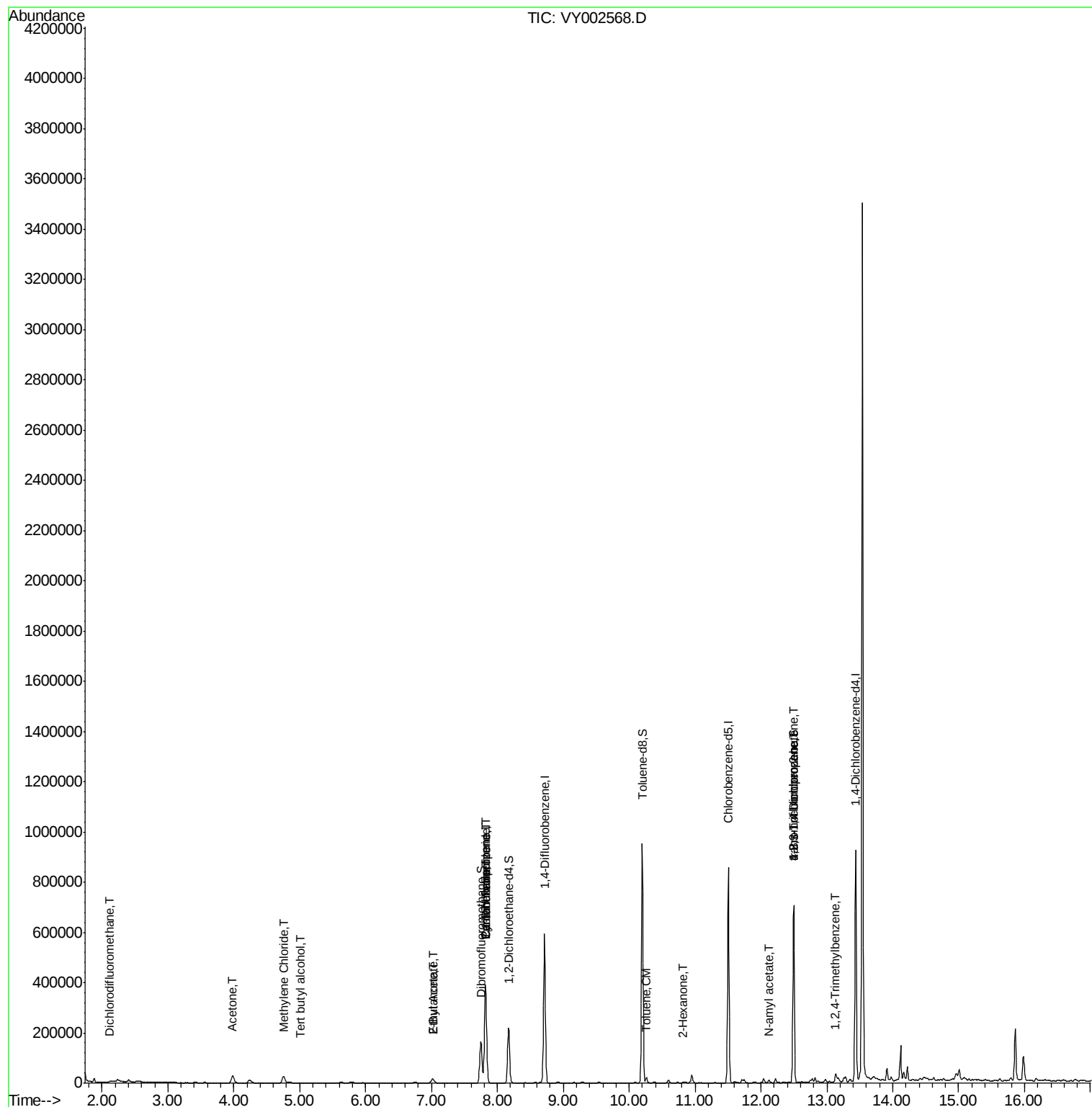
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.13	85	19	1.791	ug/l #	43
11) Tert butyl alcohol	5.00	59	1596	5.523	ug/l #	79
16) Acetone	3.98	43	52242	90.126	ug/l	97
20) Methylene Chloride	4.76	84	20335	6.273	ug/l	98
25) 2-Butanone	7.03	43	6419	6.765	ug/l	94
31) Cyclohexane	7.82	56	6616	1.311	ug/l #	12
36) 1,1-Dichloropropene	7.82	75	21092	4.632	ug/l #	50
37) Ethyl Acetate	7.03	43	6419	2.743	ug/l #	79
38) Carbon Tetrachloride	7.82	117	30331	6.101	ug/l #	15
52) Toluene	10.26	92	9229	1.092	ug/l	100
59) 2-Hexanone	10.82	43	2988	1.920	ug/l #	22
74) N-amyl acetate	12.12	43	5758	1.456	ug/l #	44
76) 1,2,3-Trichloropropane	12.49	75	105744	46.903	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	105744	94.049	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.13	105	16022	1.180	ug/l	90

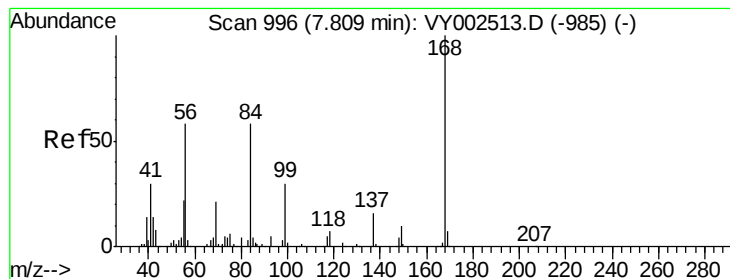
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 998

Delta R.T. 0.01 min

Lab File: VY002568.D

Acq: 05 May 2020 02:43

Instrument :

MSVOA_Y

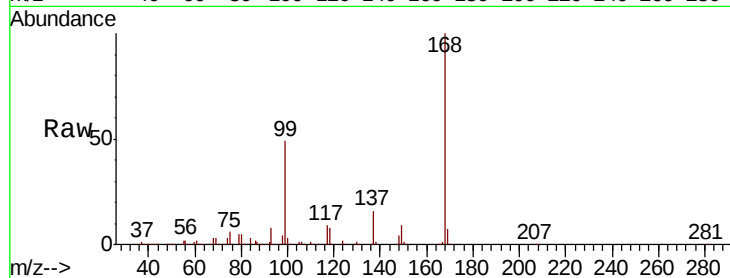
ClientSampleId :

Tot Ion:168 Resp: 334043

Ion Ratio Lower Upper

168 100

99 48.6 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

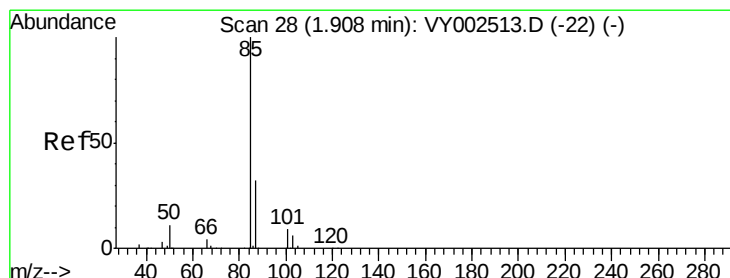
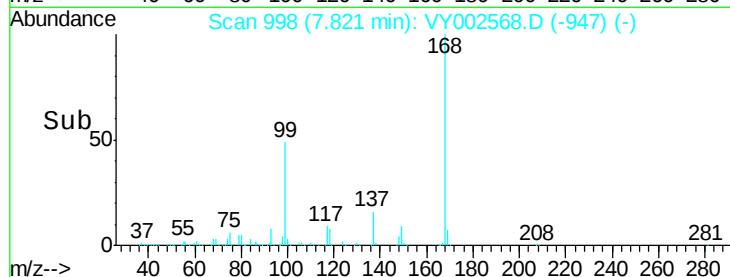
150000

100000

50000

0

Time--> 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 1.791 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.22 min

Lab File: VY002568.D

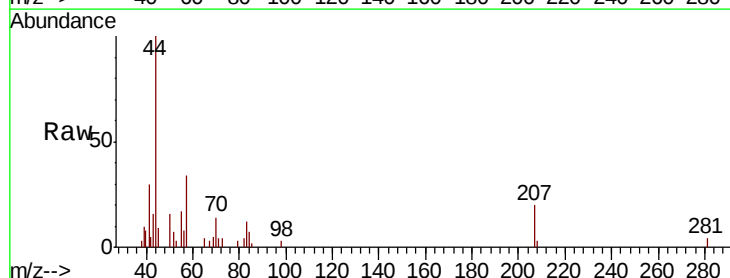
Acq: 05 May 2020 02:43

Tgt Ion: 85 Resp: 19

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) (-)

2.13

60

50

40

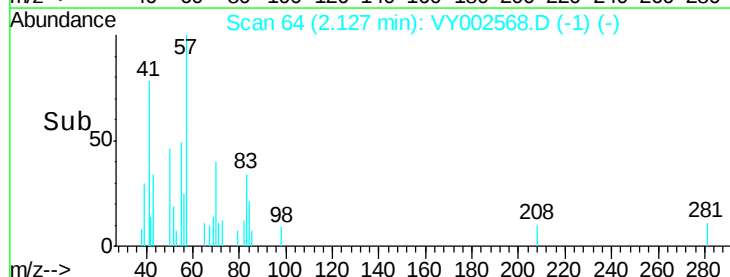
30

20

10

0

Time--> 2.11 2.12 2.13 2.14

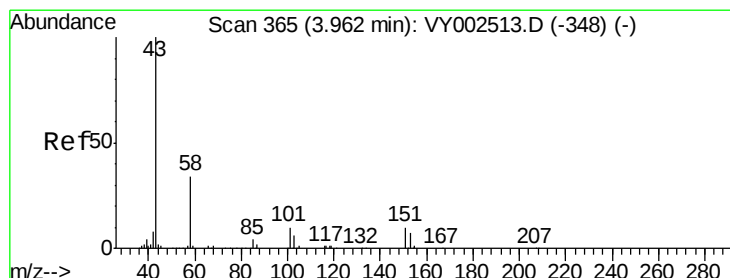
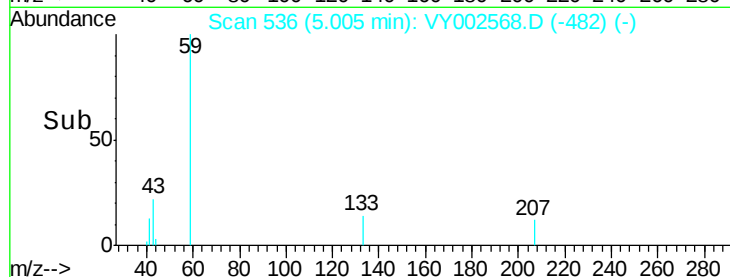
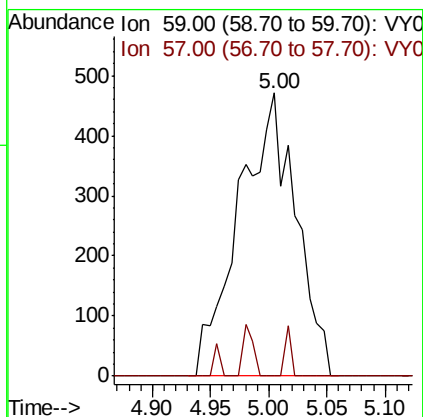
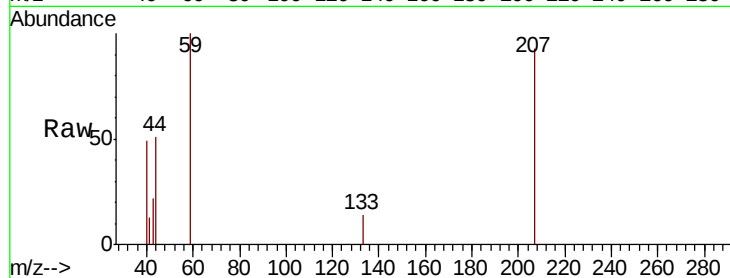




#11
Tert butvl alcohol
Concen: 5.523 ug/l
RT: 5.00 min Scan# 536
Delta R.T. 0.03 min
Lab File: VY002568.D
Acq: 05 May 2020 02:43

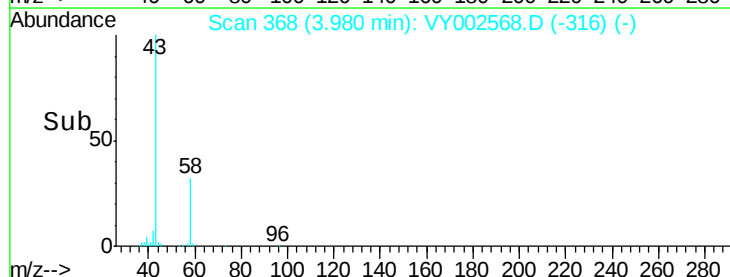
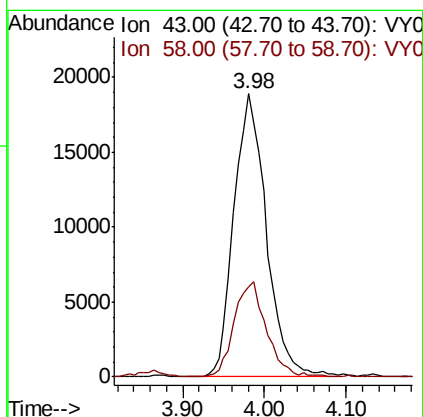
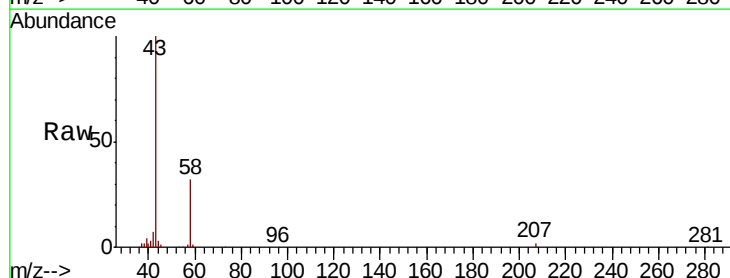
Instrument :
MSVOA_Y
ClientSampleId :

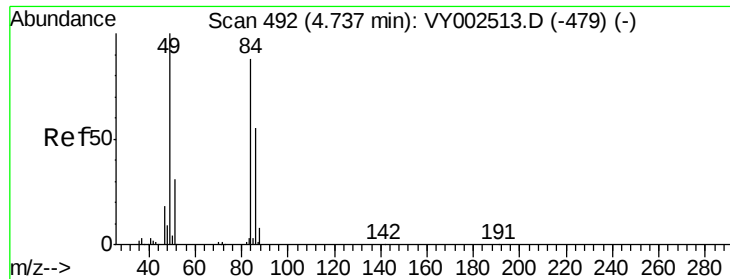
Tot Ion: 59 Resp: 1596
Ion Ratio Lower Upper
59 100
57 1.9 7.8 11.6#



#16
Acetone
Concen: 90.126 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.02 min
Lab File: VY002568.D
Acq: 05 May 2020 02:43

Tgt Ion: 43 Resp: 52242
Ion Ratio Lower Upper
43 100
58 31.9 26.9 40.3

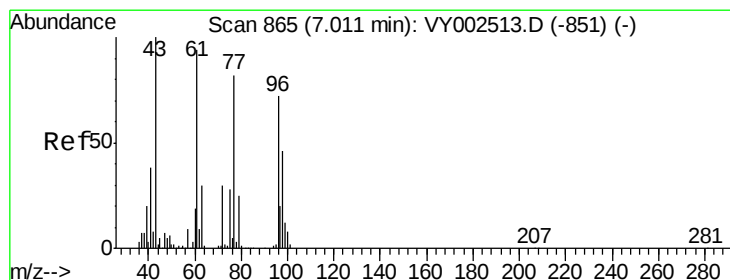
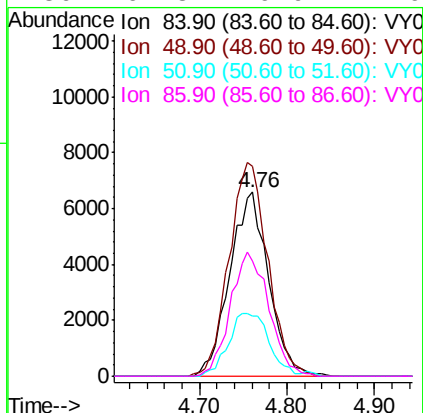
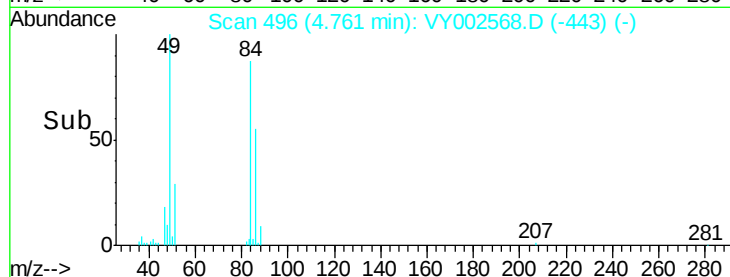
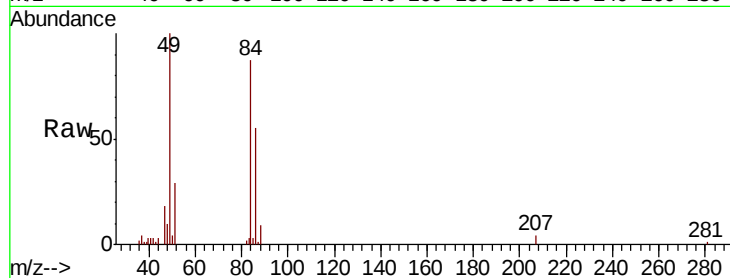




#20
Methvlene Chloride
Concen: 6.273 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.02 min
Lab File: VY002568.D
Acq: 05 May 2020 02:43

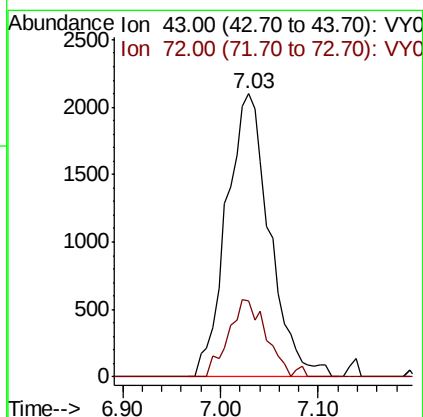
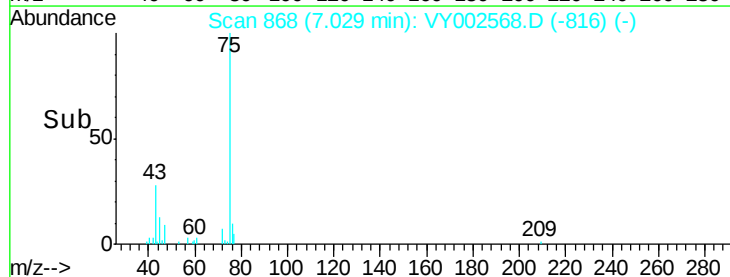
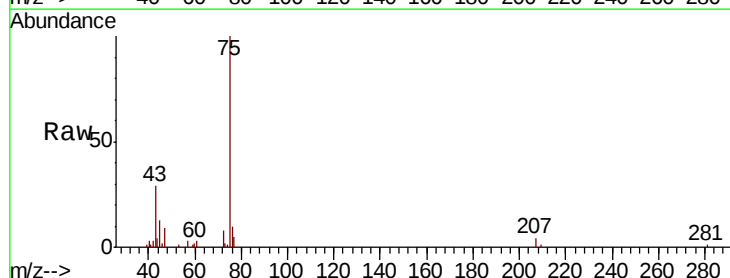
Instrument :
MSVOA_Y
ClientSampleId :

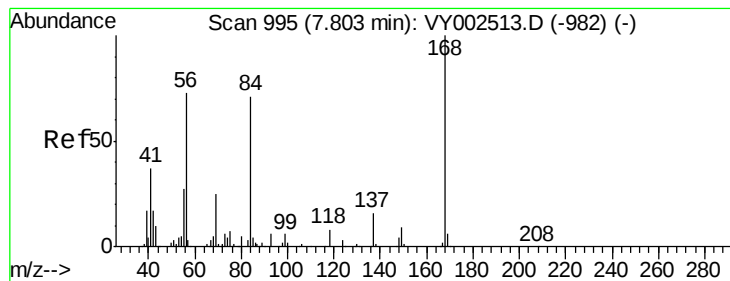
Tot Ion:	84	Resp:	20335
Ion	Ratio	Lower	Upper
84	100		
49	114.4	90.5	135.7
51	32.8	28.3	42.5
86	62.8	49.9	74.9



#25
2-Butanone
Concen: 6.765 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.02 min
Lab File: VY002568.D
Acq: 05 May 2020 02:43

Tgt Ion:	43	Resp:	6419
Ion	Ratio	Lower	Upper
43	100		
72	27.1	24.1	36.1





#31

Cyclohexane

Concen: 1.311 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.02 min

Lab File: VY002568.D

Acq: 05 May 2020 02:43

Instrument :
MSVOA_Y
ClientSampleId :

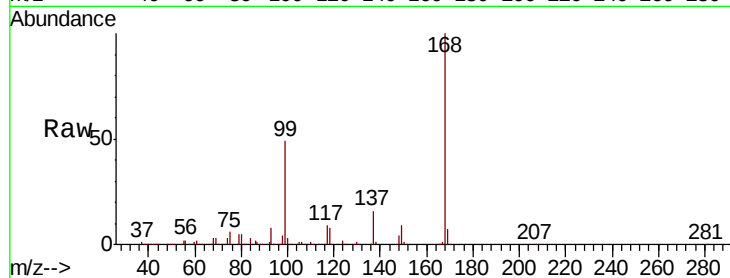
Tot Ion: 56 Resp: 6616

Ion Ratio Lower Upper

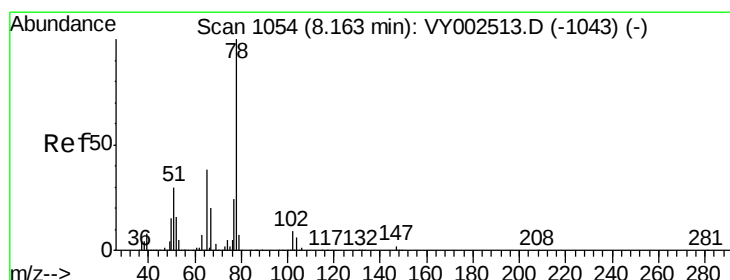
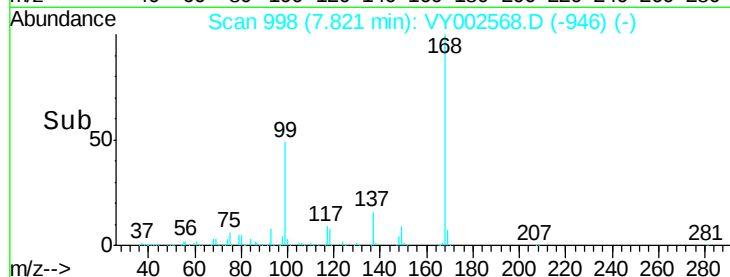
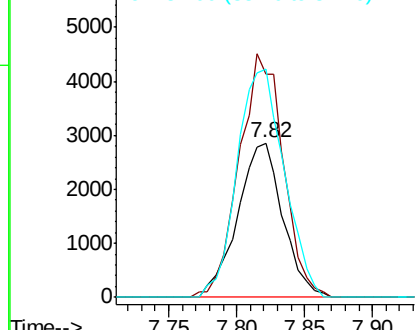
56 100

69 144.7 27.6 41.4#

84 148.0 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: 58.901 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY002568.D

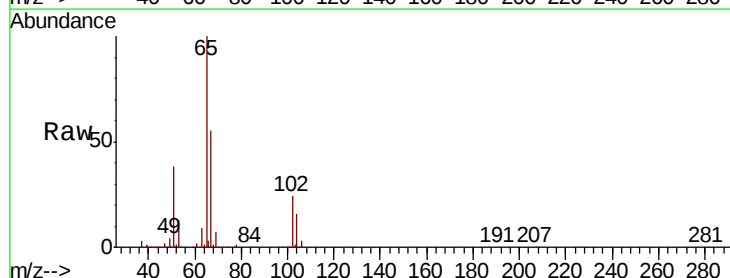
Acq: 05 May 2020 02:43

Tgt Ion: 65 Resp: 165435

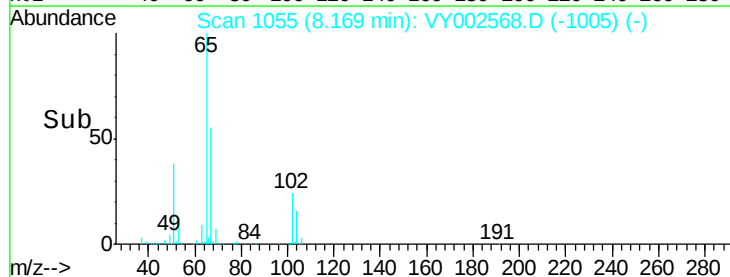
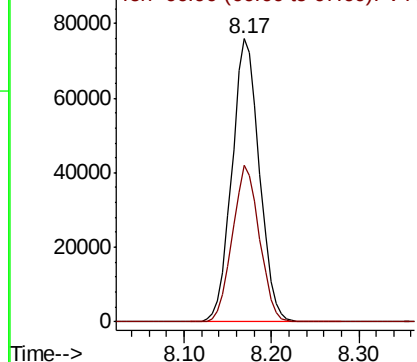
Ion Ratio Lower Upper

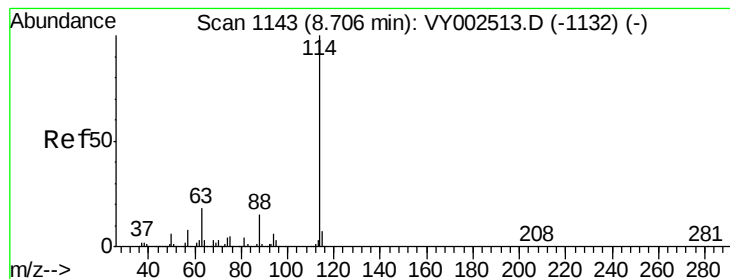
65 100

67 54.5 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# 1144

Delta R.T. 0.01 min

Lab File: VY002568.D

Acq: 05 May 2020 02:43

Instrument :

MSVOA_Y

ClientSampleId :

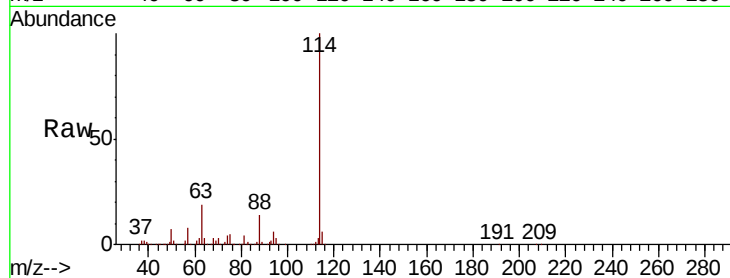
Tot Ion:114 Resp: 543204

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.4

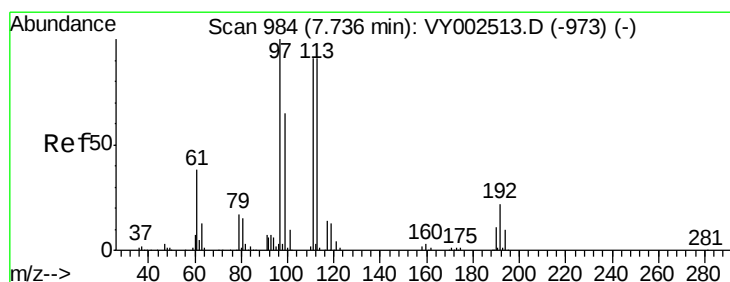
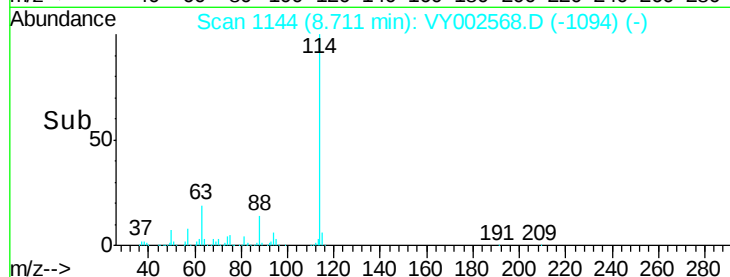
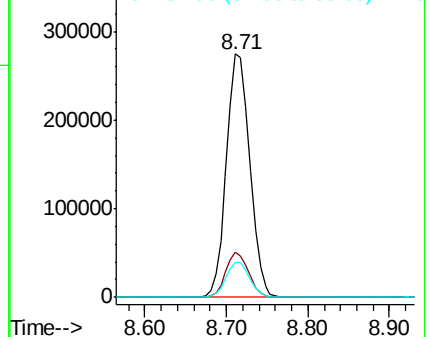
88 14.4 0.0 29.6



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: 37.968 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY002568.D

Acq: 05 May 2020 02:43

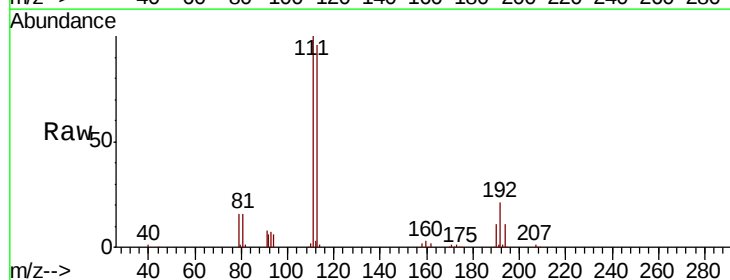
Tgt Ion:113 Resp: 117951

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.6

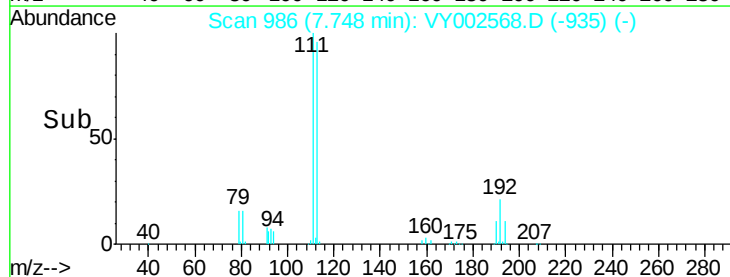
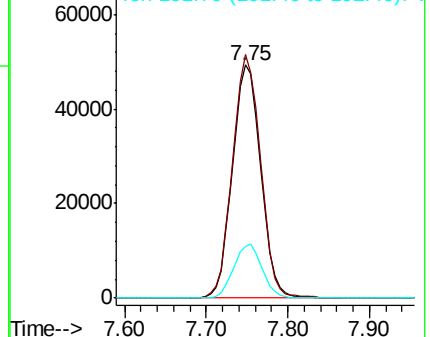
192 23.1 18.2 27.4

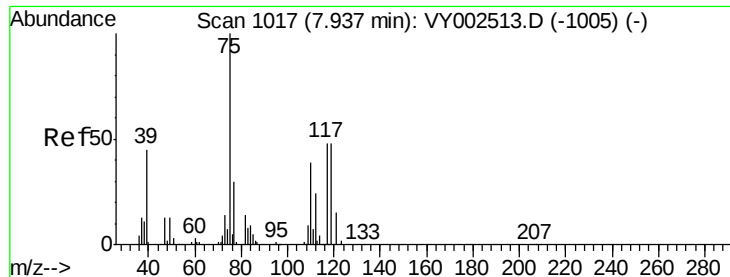


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.632 ug/l

RT: 7.82 min Scan# 998

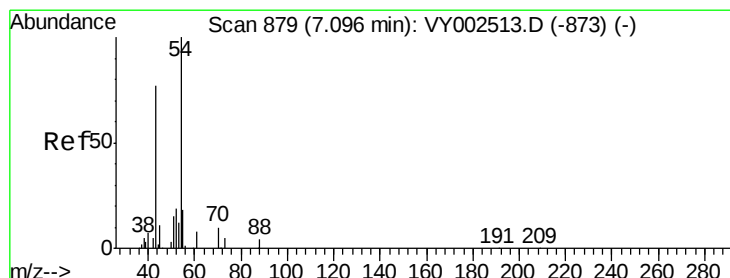
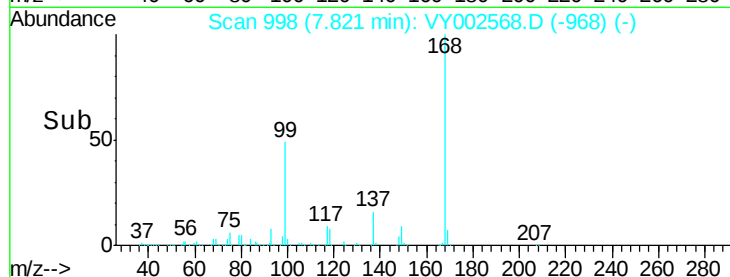
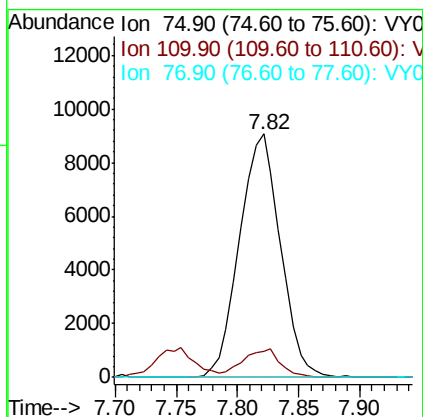
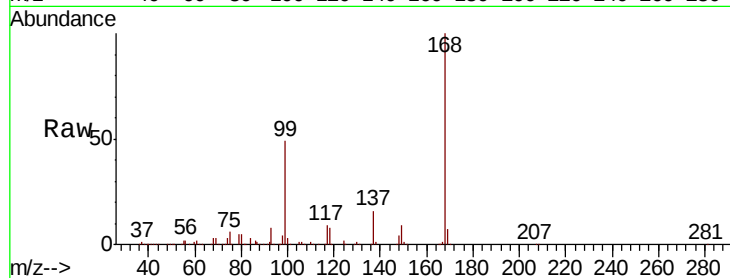
Delta R.T. -0.12 min

Lab File: VY002568.D

Acq: 05 May 2020 02:43

Instrument :
MSVOA_Y
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Tot Ion:	75	Resp:	21092
Ion	Ratio	Lower	Upper
75	100		
110	10.6	19.1	57.3#
77	0.0	24.6	37.0#



#37

Ethyl Acetate

Concen: 2.743 ug/l

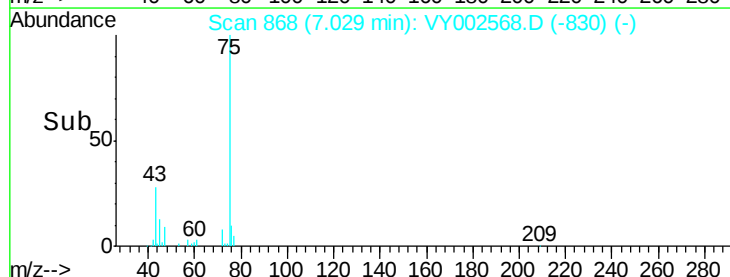
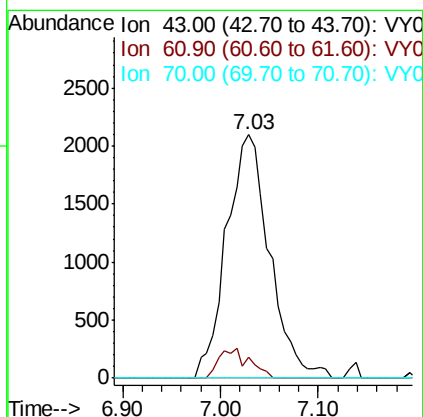
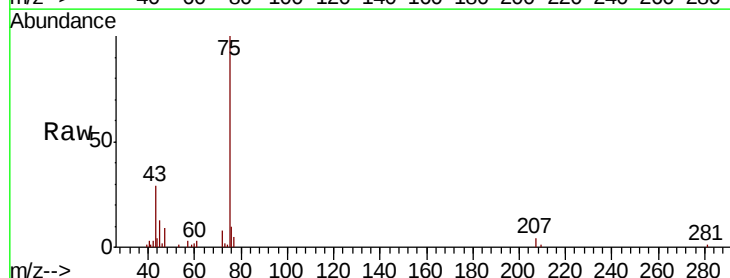
RT: 7.03 min Scan# 868

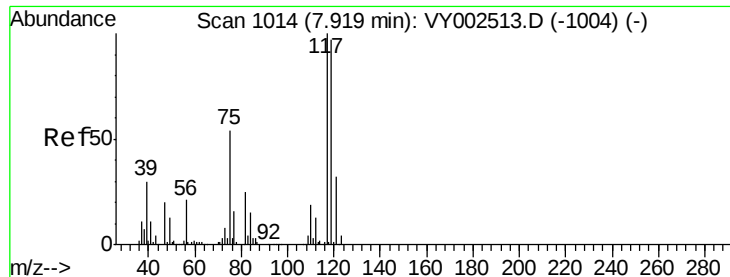
Delta R.T. -0.07 min

Lab File: VY002568.D

Acq: 05 May 2020 02:43

Tgt Ion:	43	Resp:	6419
Ion	Ratio	Lower	Upper
43	100		
61	8.5	11.6	17.4#
70	0.0	9.0	13.6#

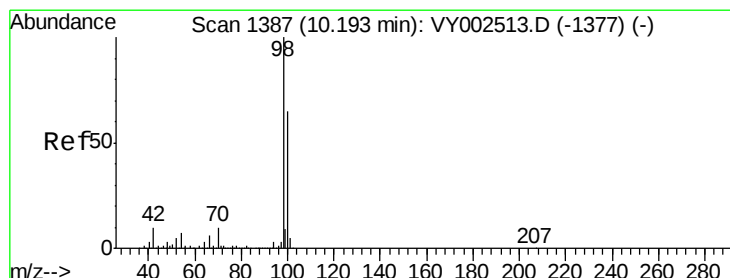
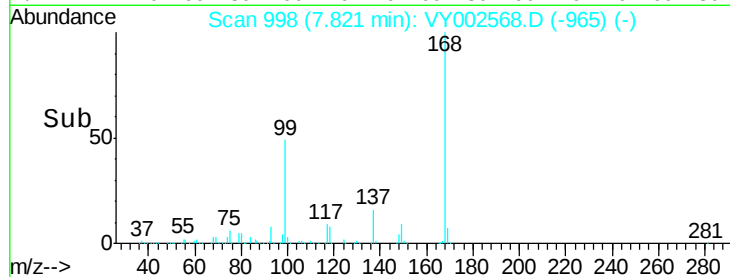
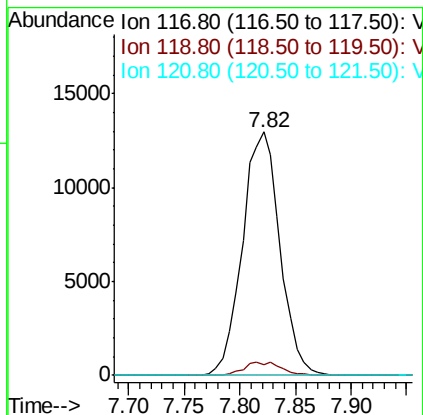
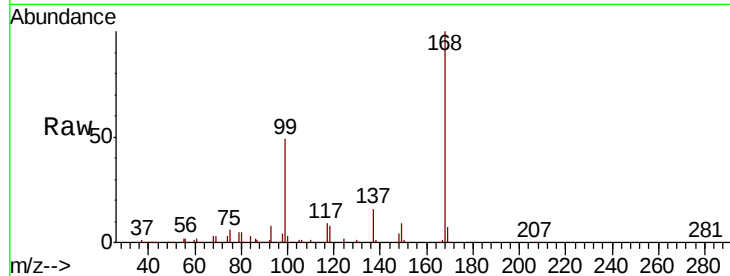




#38
Carbon Tetrachloride
Concen: 6.101 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY002568.D
Acq: 05 May 2020 02:43

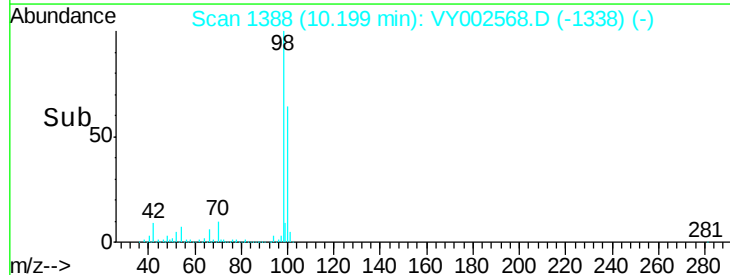
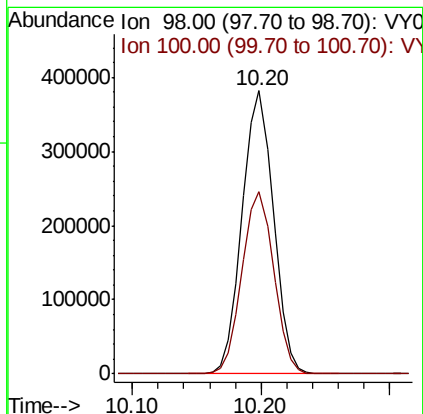
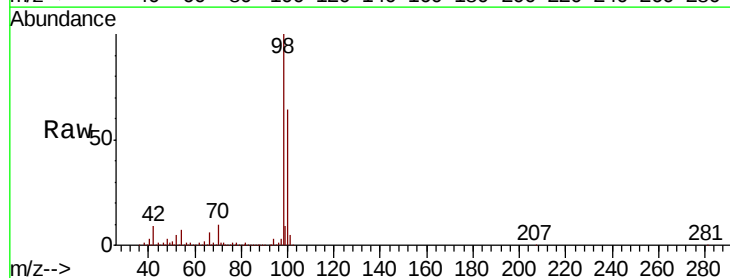
Instrument :
MSVOA_Y
ClientSampleId :

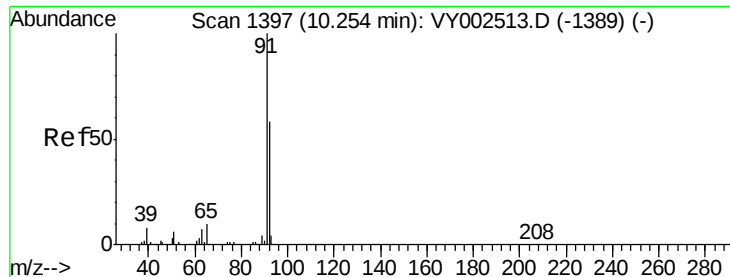
Tot Ion:117 Resp: 30331
Ion Ratio Lower Upper
117 100
119 4.2 77.1 115.7#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 53.030 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY002568.D
Acq: 05 May 2020 02:43

Tgt Ion: 98 Resp: 643344
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2





#52

Toluene

Concen: 1.092 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY002568.D

Acq: 05 May 2020 02:43

Instrument :

MSVOA_Y

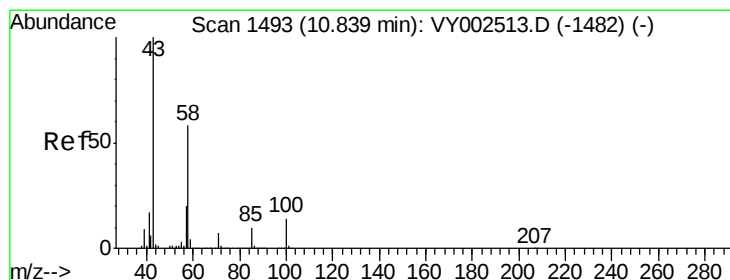
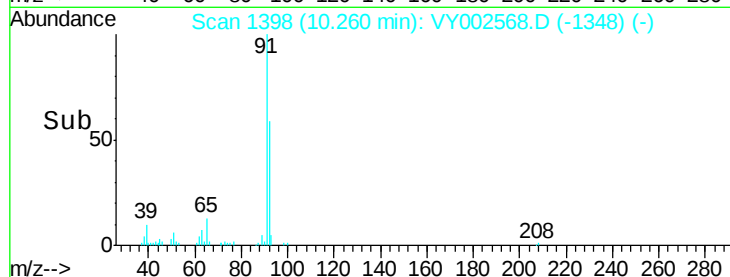
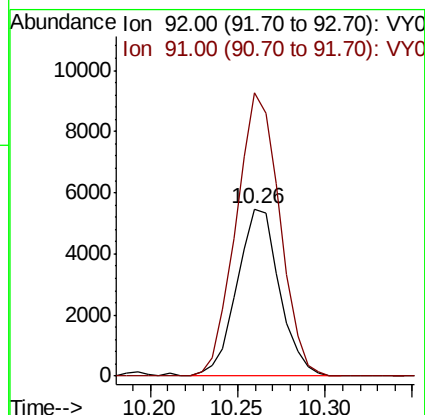
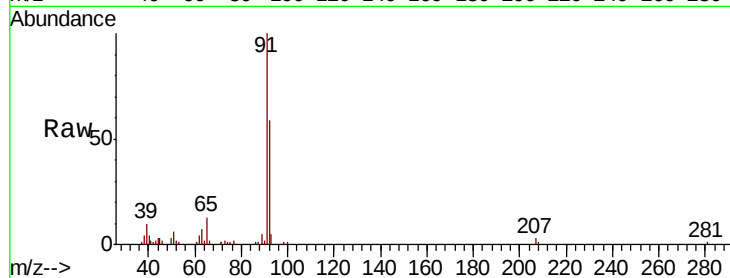
ClientSampled :

Tot Ion: 92 Resp: 9229

Ion Ratio Lower Upper

92 100

91 174.0 139.3 208.9



#59

2-Hexanone

Concen: 1.920 ug/l

RT: 10.82 min Scan# 1490

Delta R.T. -0.02 min

Lab File: VY002568.D

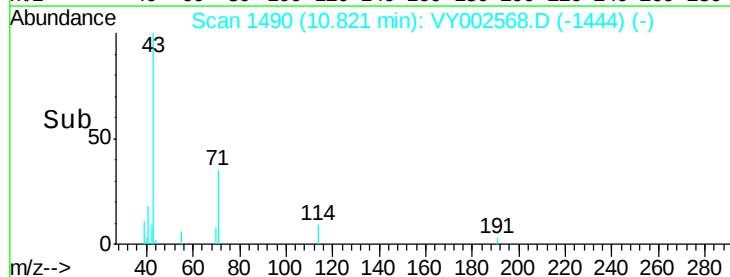
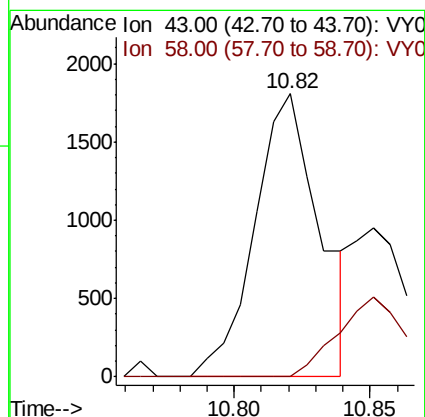
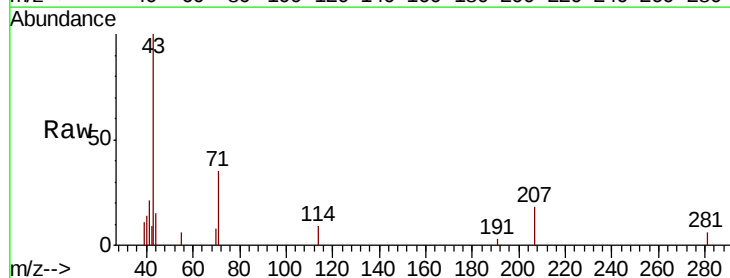
Acq: 05 May 2020 02:43

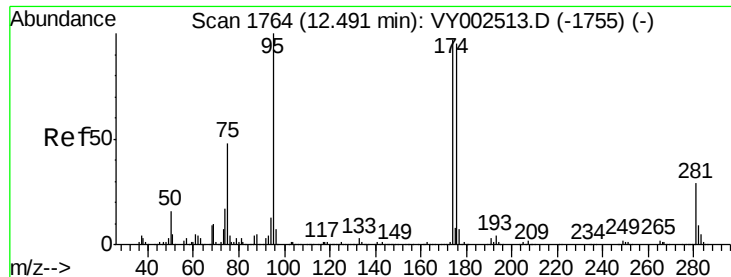
Tgt Ion: 43 Resp: 2988

Ion Ratio Lower Upper

43 100

58 0.0 29.1 87.3#

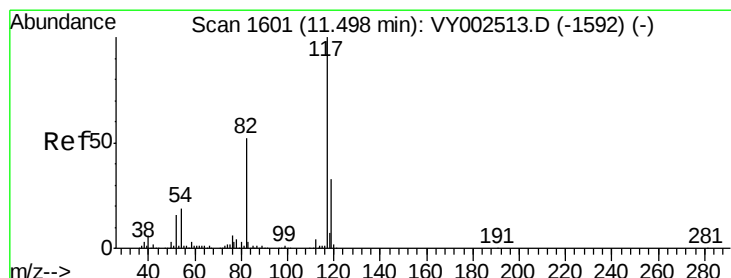
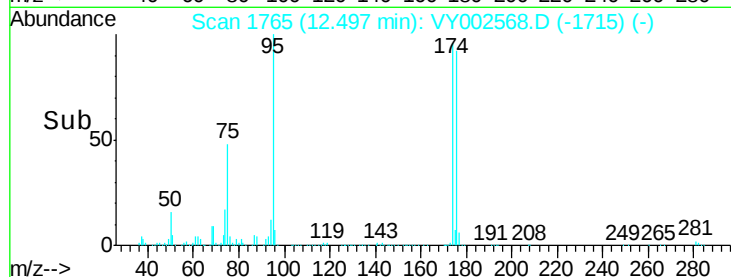
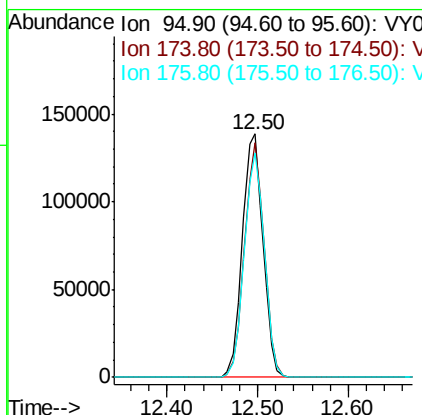
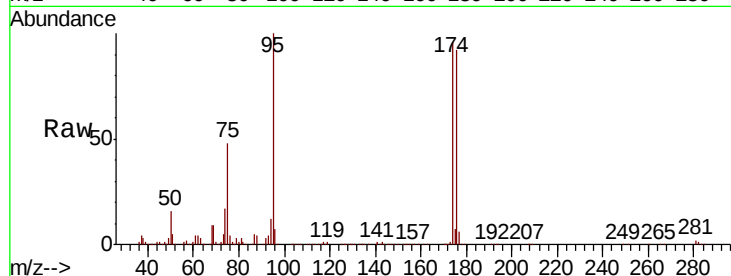




#62
4-Bromofluorobenzene
Concen: 52.941 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY002568.D
Acq: 05 May 2020 02:43

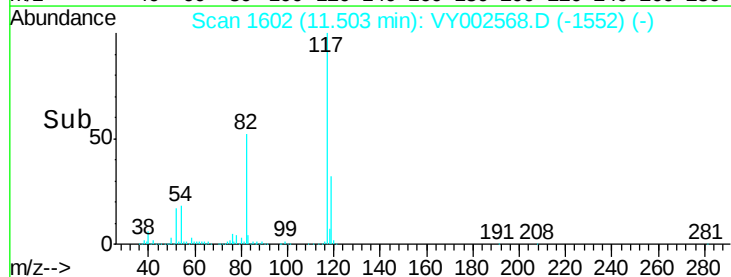
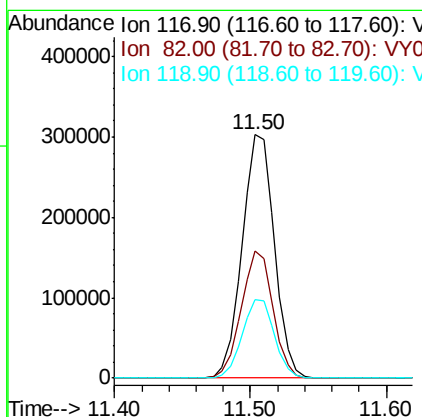
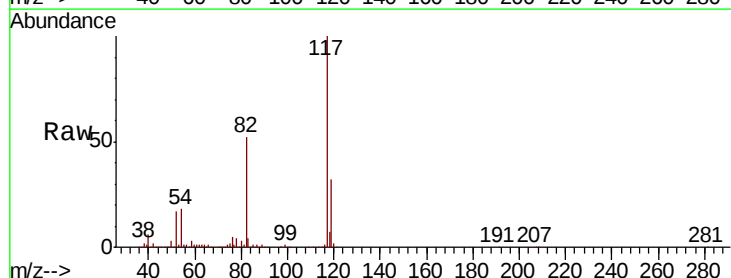
Instrument :
MSVOA_Y
ClientSampleId :

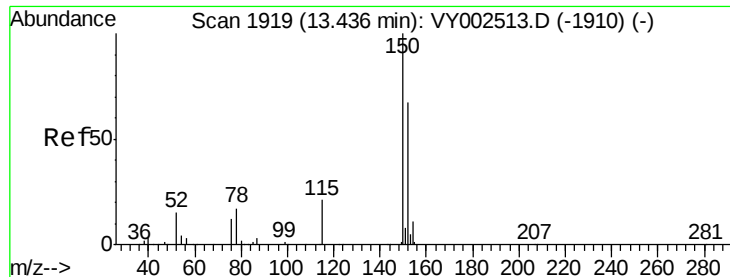
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	188.8
176	90.2	0.0	183.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002568.D
Acq: 05 May 2020 02:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.3	61.9
119	32.5	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: VY002568.D

Acq: 05 May 2020 02:43

Instrument :

MSVOA_Y

ClientSampleId :

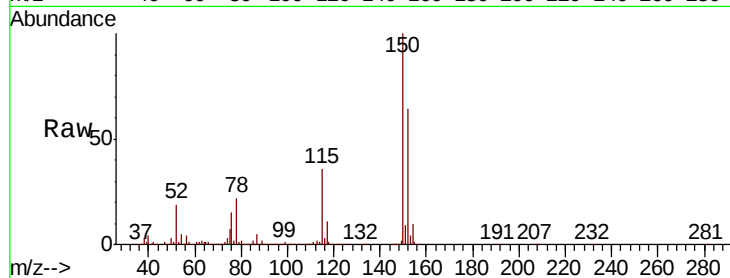
Tot Ion:152 Resp: 253699

Ion Ratio Lower Upper

152 100

115 55.0 27.5 82.4

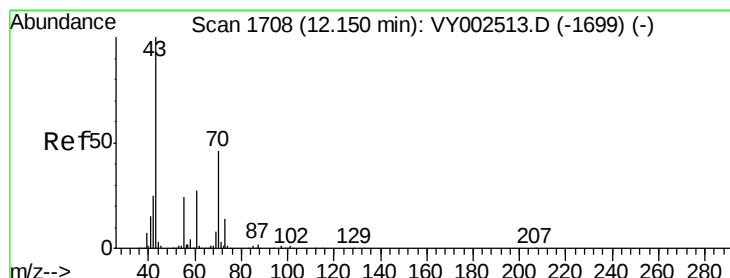
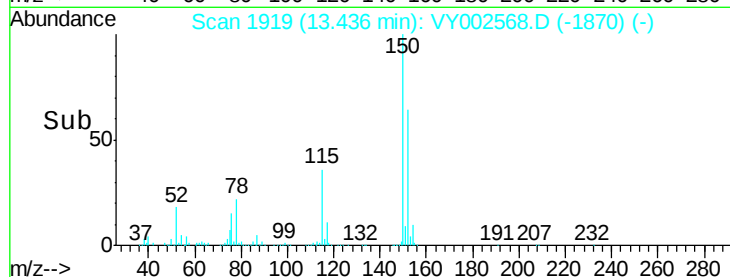
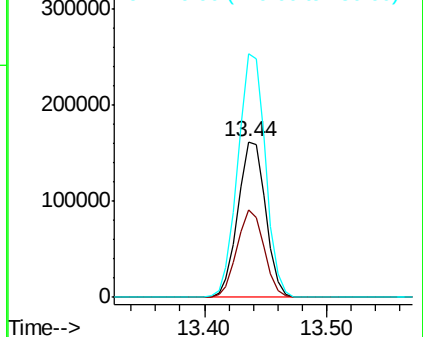
150 156.0 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.456 ug/l

RT: 12.12 min Scan# 1703

Delta R.T. -0.03 min

Lab File: VY002568.D

Acq: 05 May 2020 02:43

Tgt Ion: 43 Resp: 5758

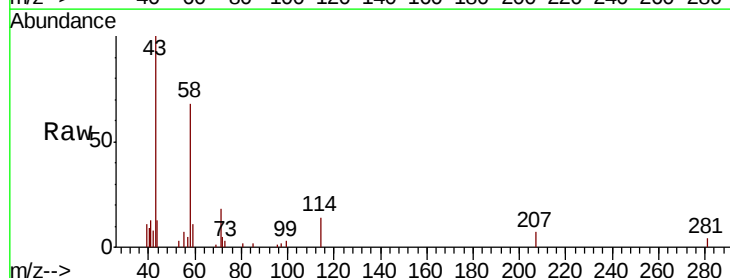
Ion Ratio Lower Upper

43 100

70 0.0 36.7 55.1#

55 7.4 19.2 28.8#

61 0.0 21.1 31.7#

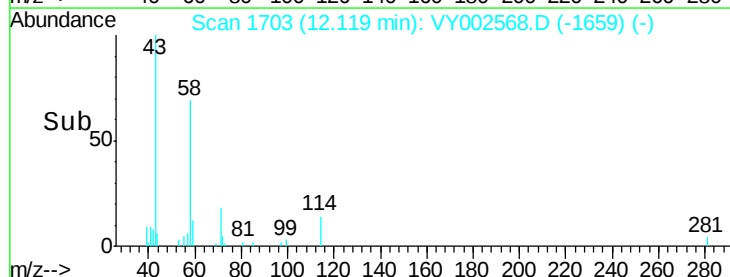
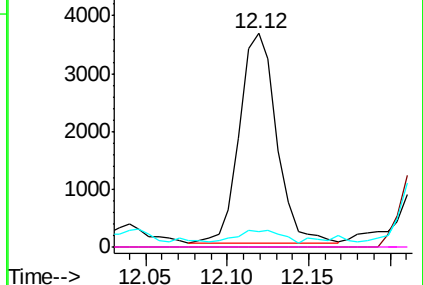


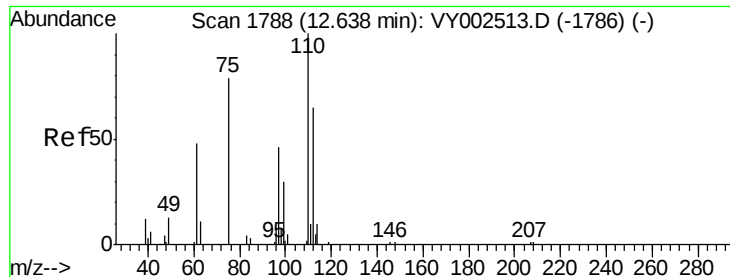
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 46.903 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002568.D

Acq: 05 May 2020 02:43

Instrument :

MSVOA_Y

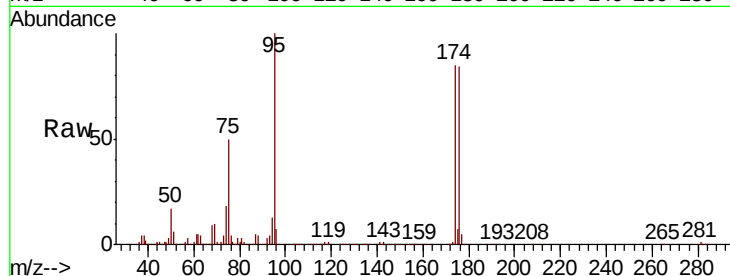
ClientSampleId :

Tot Ion: 75 Resp: 105744

Ion Ratio Lower Upper

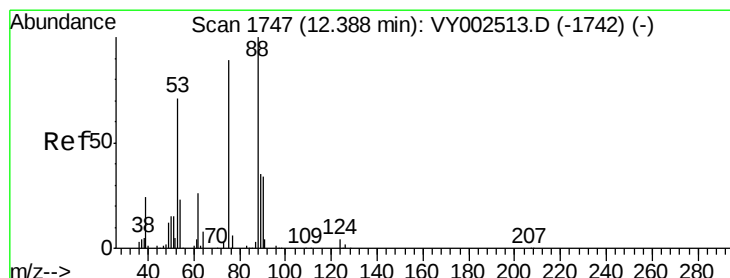
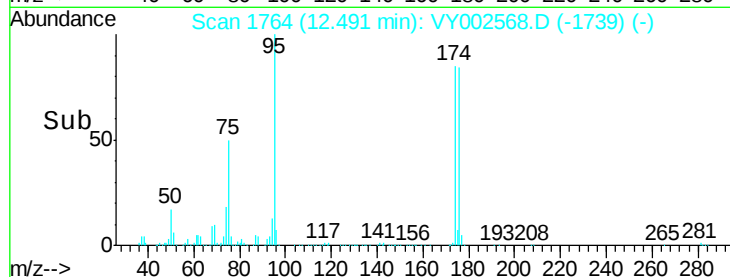
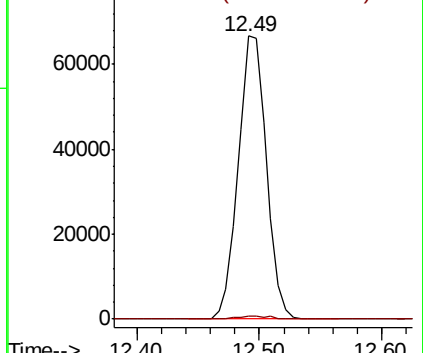
75 100

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: 94.049 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002568.D

Acq: 05 May 2020 02:43

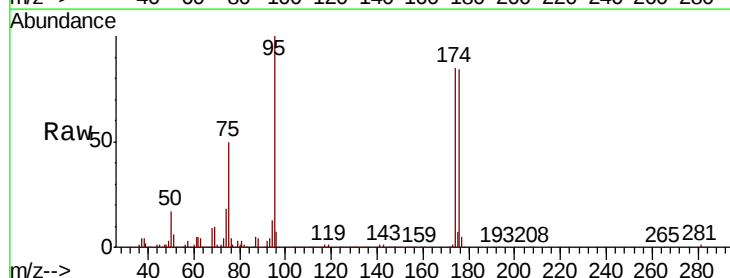
Tgt Ion: 75 Resp: 105744

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

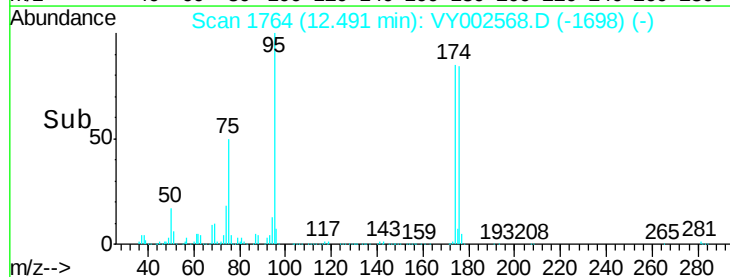
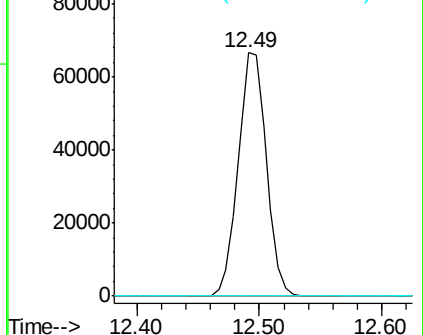
89 0.0 37.4 56.0#

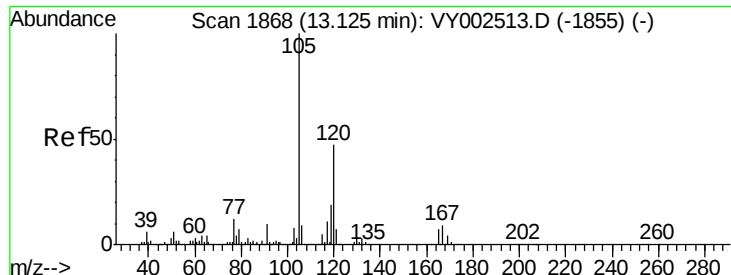


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#84
 1,2,4-Trimethylbenzene
 Concen: 1.180 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002568.D
 Acq: 05 May 2020 02:43

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:105 Resp: 16022
 Ion Ratio Lower Upper
 105 100
 120 40.3 23.4 70.3

