

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
 Data File : VY003036.D
 Acq On : 30 Jun 2020 15:40
 Operator : SY/MD
 Sample : L3129-09RE
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11982RE

Quant Time: Jul 01 05:13:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	158404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	300764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	157752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	43185	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	148857	94.62	ug/l	0.00
Spiked Amount			Recovery	=	189.24%	
35) Dibromofluoromethane	7.73	113	126944	67.66	ug/l	0.00
Spiked Amount			Recovery	=	135.32%	
50) Toluene-d8	10.18	98	224990	32.19	ug/l	0.00
Spiked Amount			Recovery	=	64.38%	
62) 4-Bromofluorobenzene	12.48	95	54051	21.97	ug/l	0.00
Spiked Amount			Recovery	=	43.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	1856	1.057	ug/l	98
11) Tert butyl alcohol	4.96	59	262644	1638.100	ug/l	100
13) Acrolein	3.74	56	2289	15.895	ug/l #	14
15) Acrylonitrile	5.18	53	2273	5.319	ug/l	86
16) Acetone	3.95	43	3039170	8190.681	ug/l	99
18) Methyl Acetate	4.48	43	13194	13.198	ug/l	98
20) Methylene Chloride	4.73	84	72467	42.756	ug/l	91
25) 2-Butanone	6.99	43	857974	1455.627	ug/l	99
26) 2,2-Dichloropropane	6.97	77	4064	1.593	ug/l #	53
29) Tetrahydrofuran	7.27	42	223624	570.520	ug/l #	35
31) Cyclohexane	7.80	56	3494	1.263	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	10966	3.785	ug/l #	51
37) Ethyl Acetate	6.99	43	857974	492.556	ug/l #	71
38) Carbon Tetrachloride	7.79	117	14482	4.805	ug/l #	16
41) Methacrylonitrile	7.27	41	988413	1062.263	ug/l #	36
43) Isopropyl Acetate	8.40	43	33215	10.030	ug/l #	54
48) Methyl methacrylate	9.27	41	41563	27.575	ug/l #	43
49) 1,4-Dioxane	9.28	88	42	2.887	ug/l #	1
51) 4-Methyl-2-Pentanone	10.07	43	159804	93.370	ug/l	97
52) Toluene	10.24	92	49601	9.934	ug/l	99
55) 1,1,2-Trichloroethane	10.67	97	2779	1.678	ug/l #	55
56) Ethyl methacrylate	10.45	69	67669	28.227	ug/l #	67
58) 2-Chloroethyl Vinyl ether	9.77	63	1830	1.488	ug/l	91
59) 2-Hexanone	10.83	43	173012	144.623	ug/l	98
65) Chlorobenzene	11.63	112	13436	4.319	ug/l #	47
67) Ethyl Benzene	11.60	91	11139	1.957	ug/l	91
68) m/p-Xylenes	11.69	106	20562	9.709	ug/l	96
69) o-Xylene	12.03	106	9938	4.980	ug/l	98
73) Isopropylbenzene	12.33	105	10173	3.599	ug/l	98
74) N-amyl acetate	12.11	43	66069	71.808	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.60	83	1419	2.488	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	28071	65.679	ug/l #	100
78) n-propylbenzene	12.67	91	16715	4.918	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	52180	22.002	ug/l	99

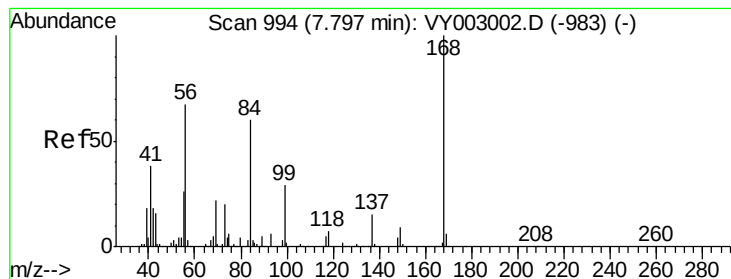
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.48	75	28071	127.783	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.12	105	224275	93.846	ug/l	99
85) sec-Butylbenzene	13.12	105	224275	78.134	ug/l #	55
86) p-Isopropyltoluene	13.37	119	23049	8.666	ug/l	99
89) n-Butylbenzene	13.69	91	18891	7.423	ug/l #	70
90) Hexachloroethane	13.97	117	10138	19.195	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.39	75	494	4.893	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.01	180	1433	1.589	ug/l #	1
95) Naphthalene	15.23	128	112628	68.365	ug/l	96
96) 1,2,3-Trichlorobenzene	15.44	180	1447	1.848	ug/l #	29

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

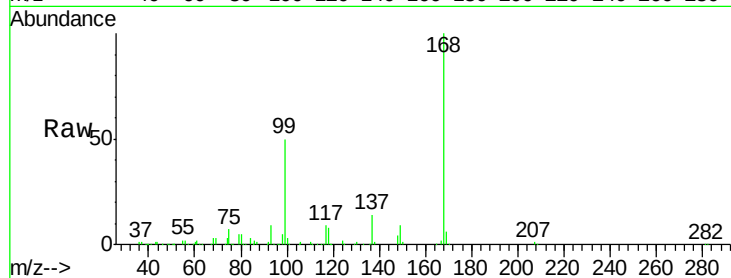
72-11982RE

Tot Ion:168 Resp: 158404

Ion Ratio Lower Upper

168 100

99 49.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003002.D (-983) (-)

7.80

60000

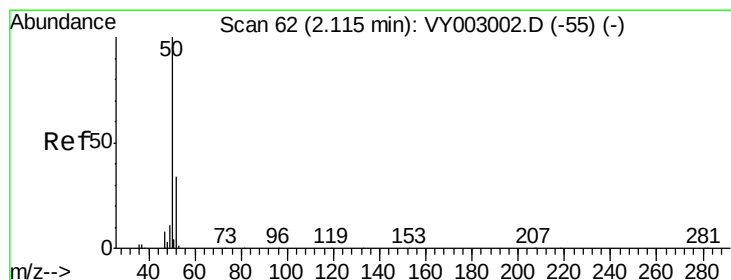
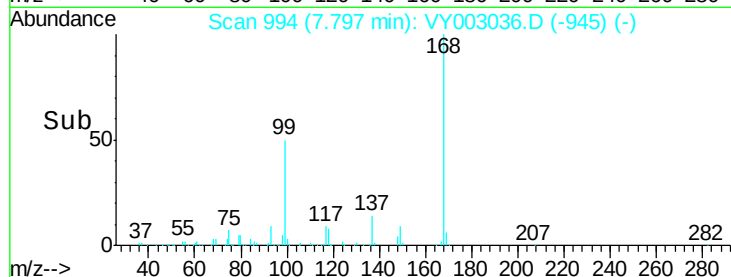
40000

20000

0

7.70 7.80 7.90 8.00

Time-->



#3

Chloromethane

Concen: 1.057 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003036.D

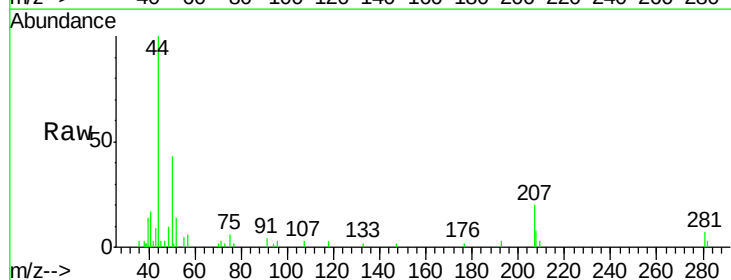
Acq: 30 Jun 2020 15:40

Tgt Ion: 50 Resp: 1856

Ion Ratio Lower Upper

50 100

52 32.4 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VY003002.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY003002.D (-55) (-)

2.12

1500

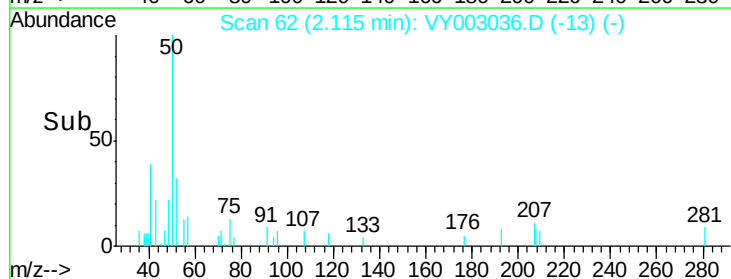
1000

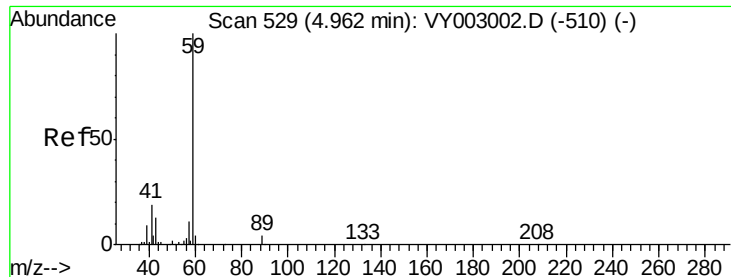
500

0

2.05 2.10 2.15

Time-->



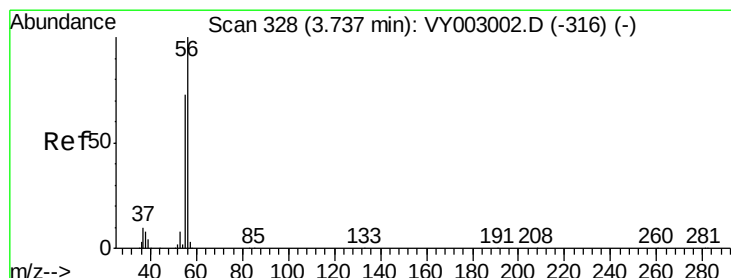
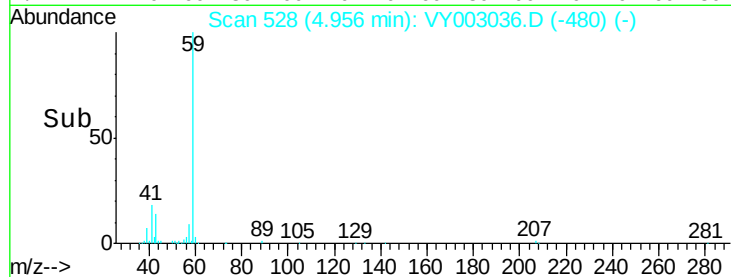
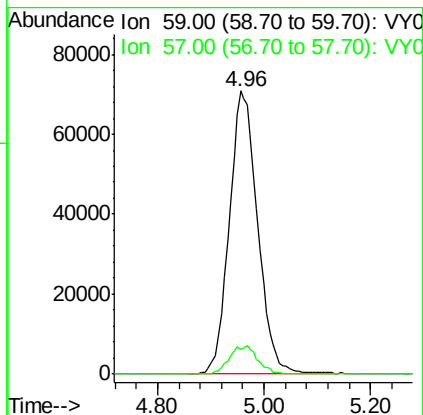
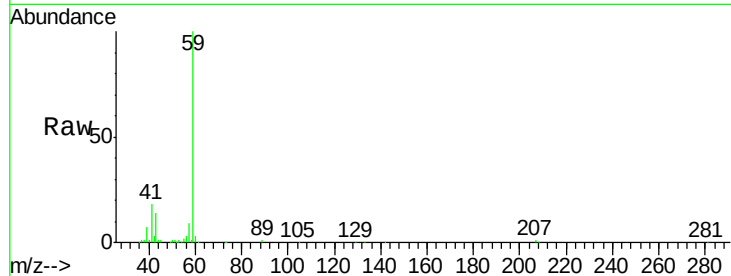


#11

Tert butyl alcohol
 Concen: 1638.100 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VY003036.D
 Acq: 30 Jun 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11982RE

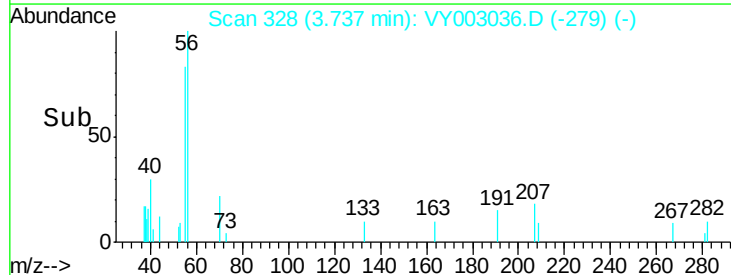
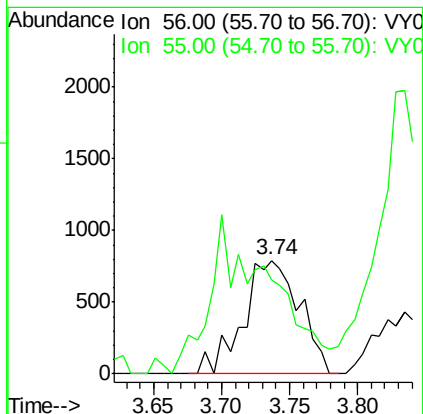
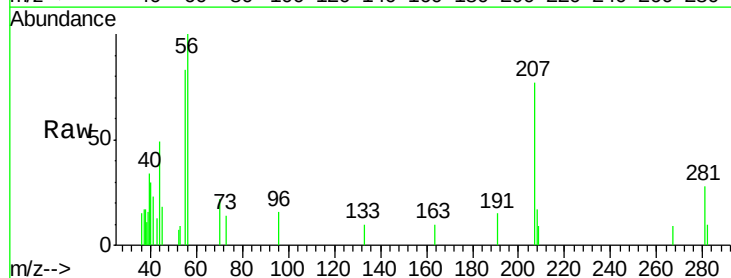
Tot Ion: 59 Resp: 262644
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.0 12.0

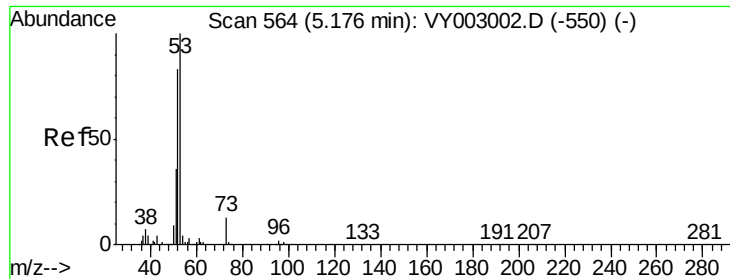


#13

Acrolein
 Concen: 15.895 ug/l
 RT: 3.74 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VY003036.D
 Acq: 30 Jun 2020 15:40

Tgt Ion: 56 Resp: 2289
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.4 84.6#





#15

Acrylonitrile

Concen: 5.319 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Instrument :

MSVOA_Y

ClientSampled :

72-11982RE

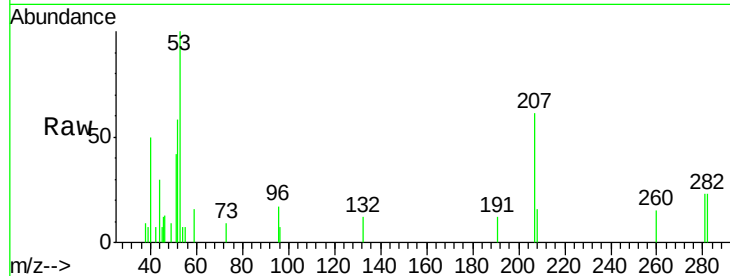
Tot Ion: 53 Resp: 2273

Ion Ratio Lower Upper

53 100

52 68.7 66.2 99.2

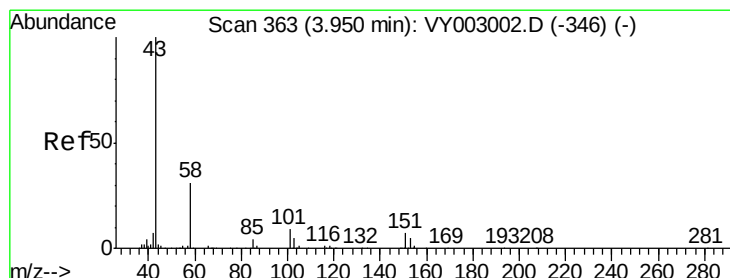
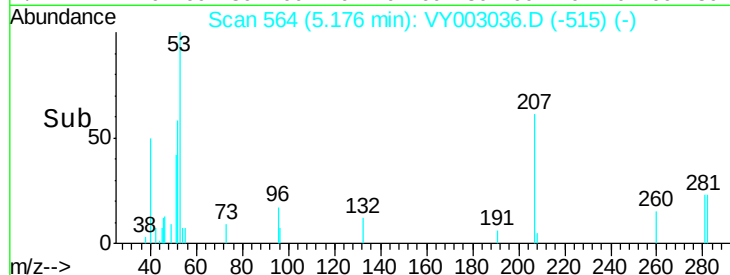
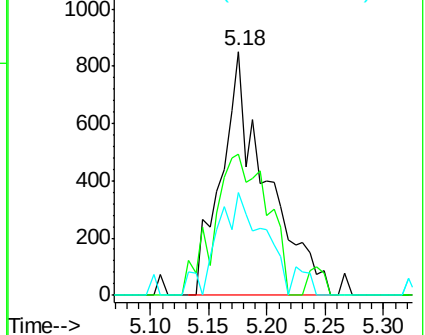
51 43.5 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 8190.681 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY003036.D

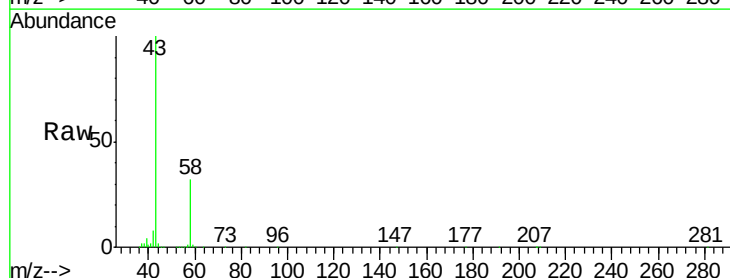
Acq: 30 Jun 2020 15:40

Tgt Ion: 43 Resp: 3039170

Ion Ratio Lower Upper

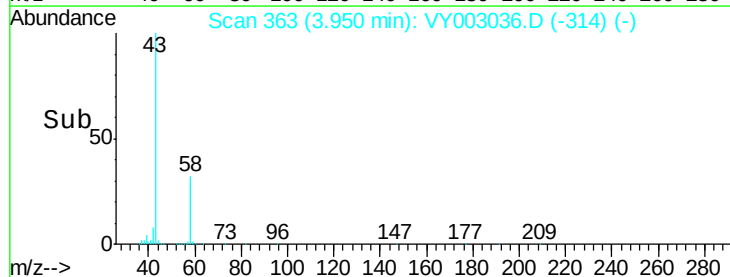
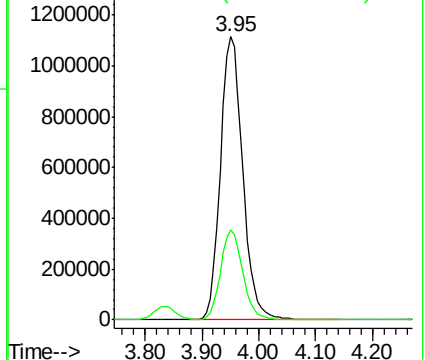
43 100

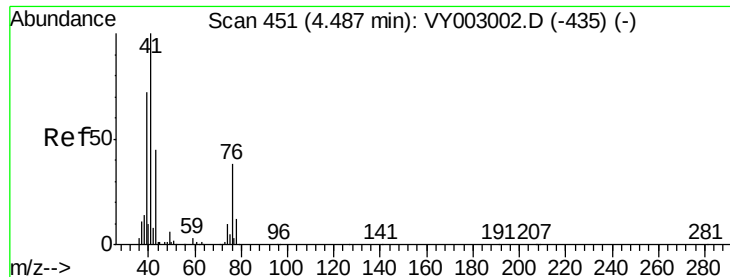
58 31.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

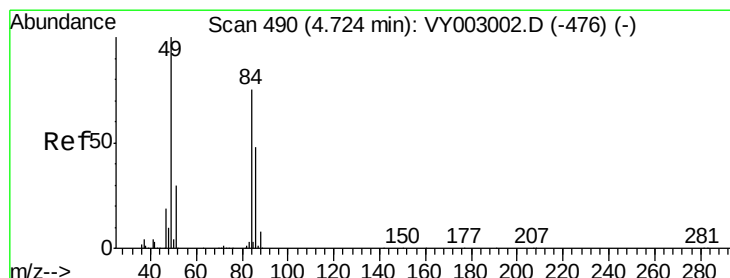
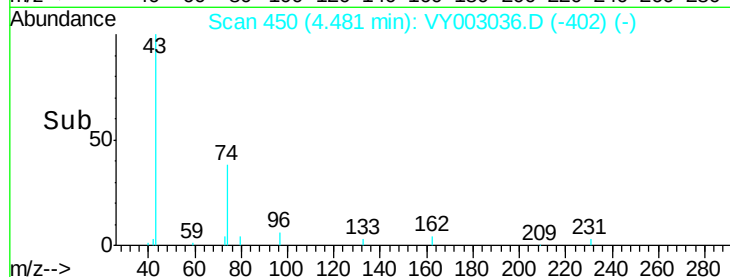
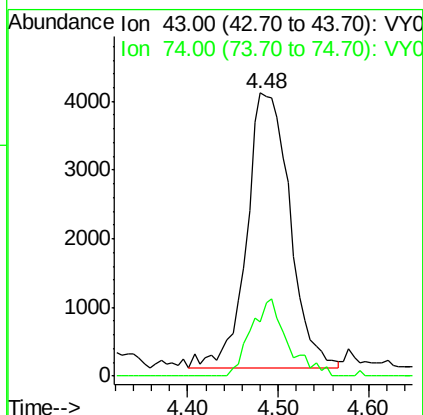
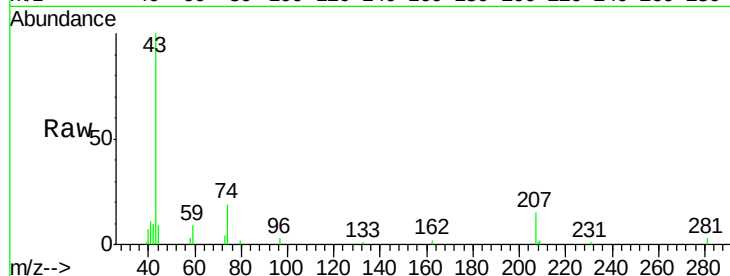




#18
Methvl Acetate
Concen: 13.198 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

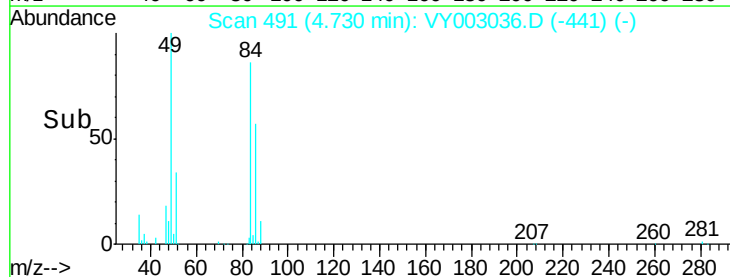
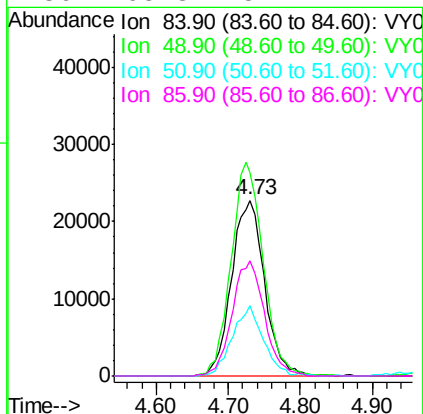
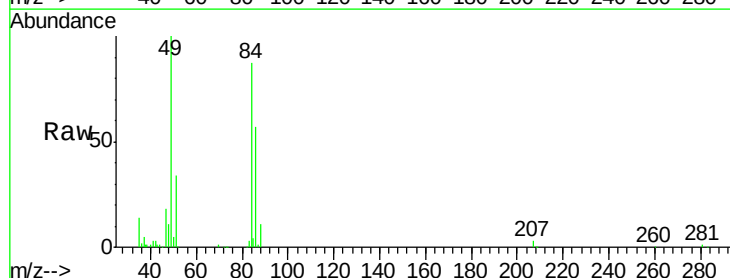
Instrument :
MSVOA_Y
ClientSampleId :
72-11982RE

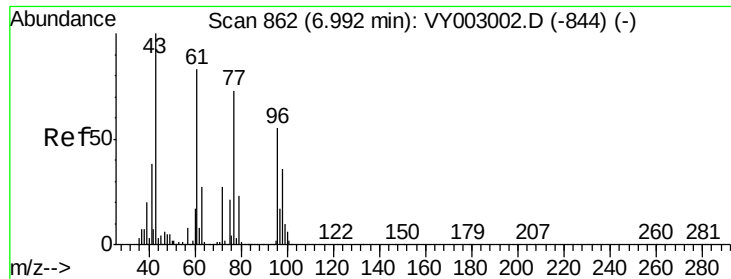
Tot Ion: 43 Resp: 13194
Ion Ratio Lower Upper
43 100
74 23.9 18.2 27.4



#20
Methylene Chloride
Concen: 42.756 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

Tgt Ion: 84 Resp: 72467
Ion Ratio Lower Upper
84 100
49 115.6 106.8 160.2
51 39.7 32.0 48.0
86 65.3 51.4 77.2





#25

2-Butanone

Concen: 1455.627 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

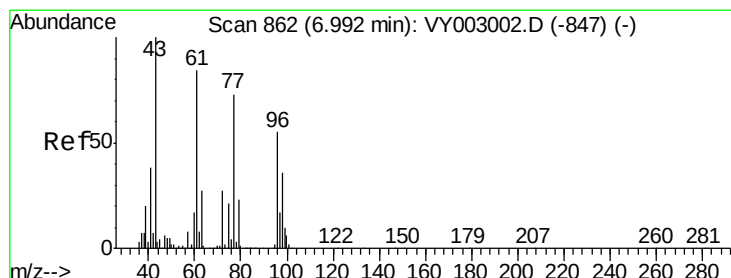
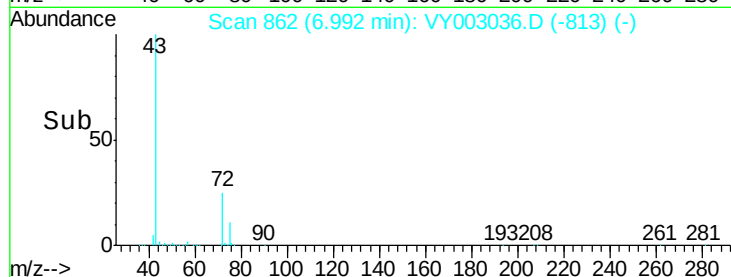
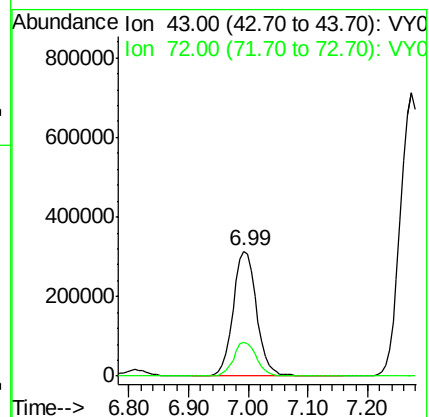
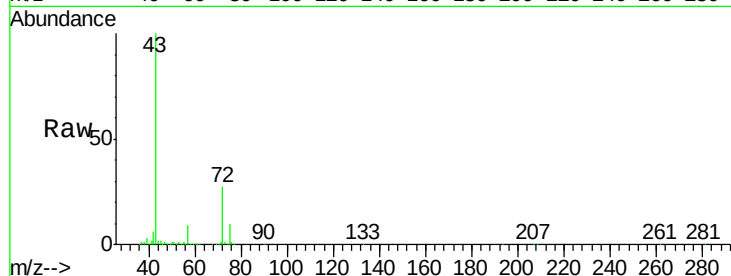
72-11982RE

Tot Ion: 43 Resp: 857974

Ion Ratio Lower Upper

43 100

72 27.3 21.4 32.0



#26

2,2-Dichloropropane

Concen: 1.593 ug/l

RT: 6.97 min Scan# 859

Delta R.T. -0.02 min

Lab File: VY003036.D

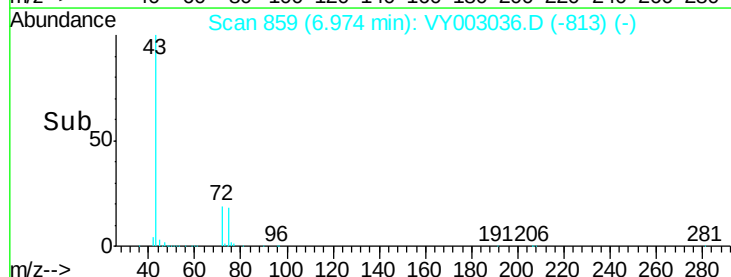
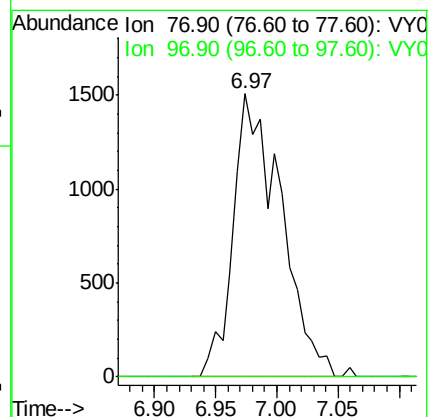
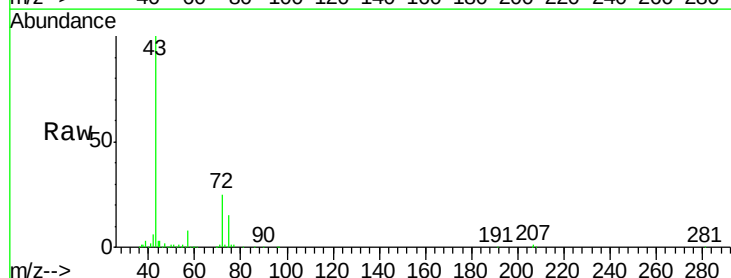
Acq: 30 Jun 2020 15:40

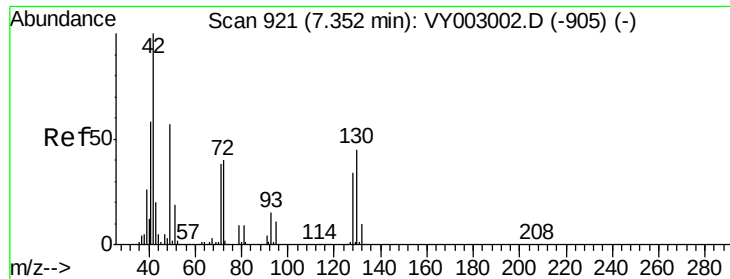
Tgt Ion: 77 Resp: 4064

Ion Ratio Lower Upper

77 100

97 0.0 11.3 33.9#

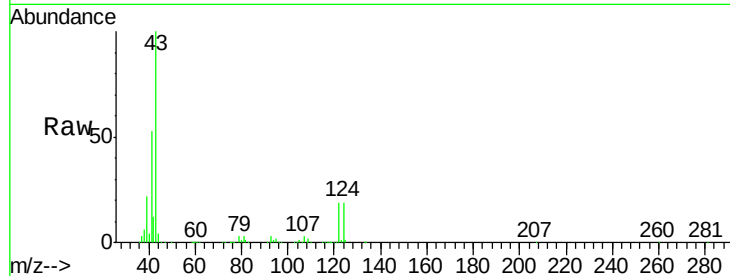




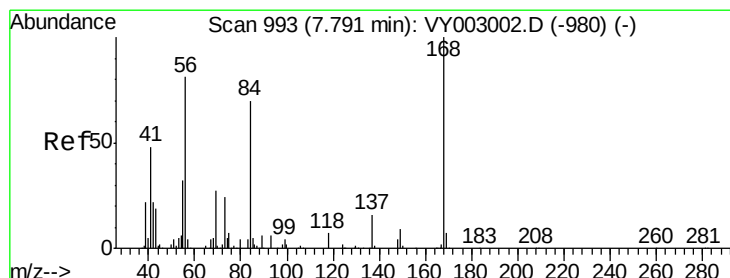
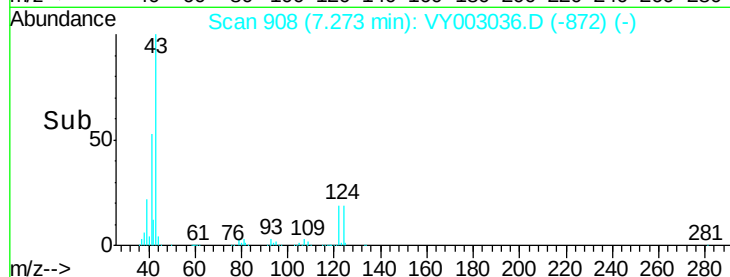
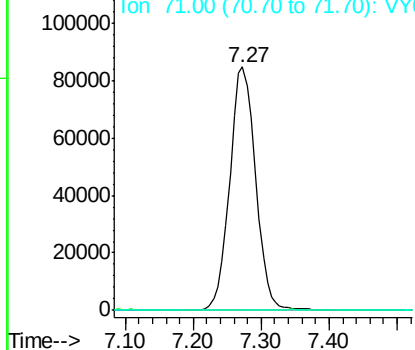
#29
Tetrahydrofuran
Concen: 570.520 ug/l
RT: 7.27 min Scan# 908
Delta R.T. -0.08 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

Instrument :
MSVOA_Y
ClientSampled :
72-11982RE

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.9	49.3#
71	0.0	31.2	46.8#

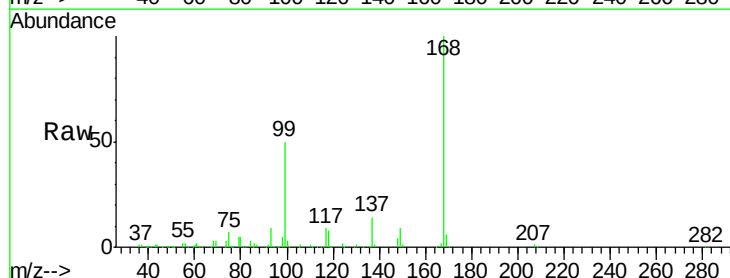


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

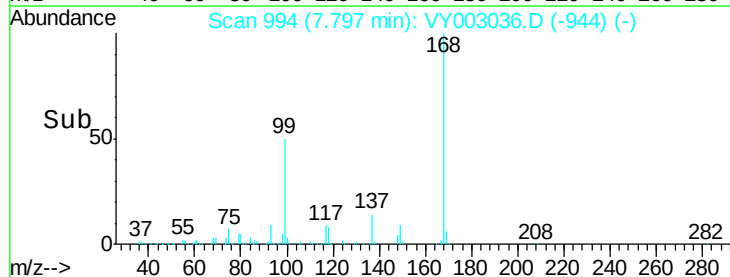
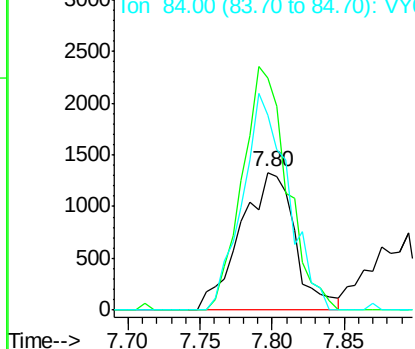


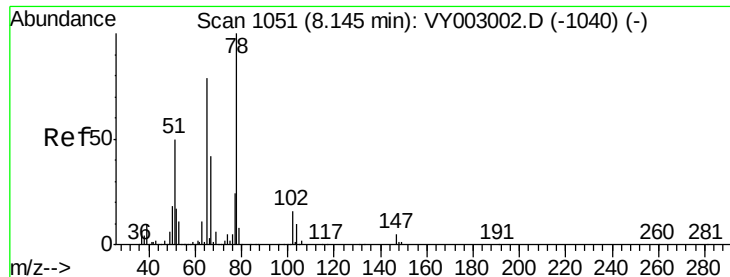
#31
Cyclohexane
Concen: 1.263 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

Tgt Ion	Ratio	Lower	Upper
56	100		
69	168.3	27.0	40.4#
84	141.0	68.1	102.1#



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: 94.616 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

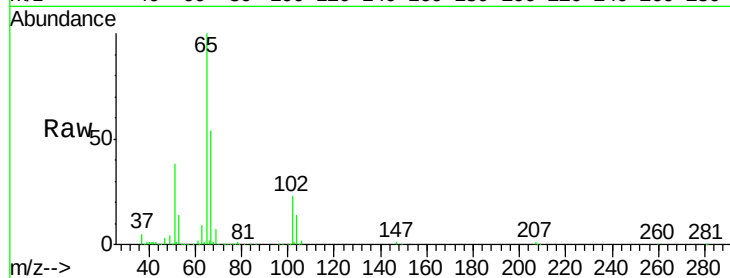
72-11982RE

Tot Ion: 65 Resp: 148857

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.15

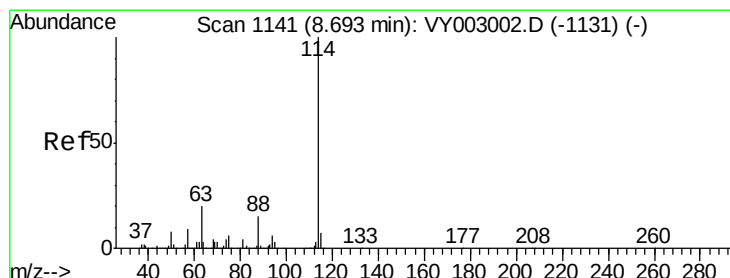
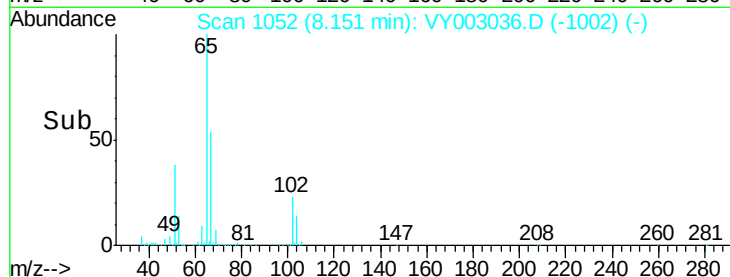
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

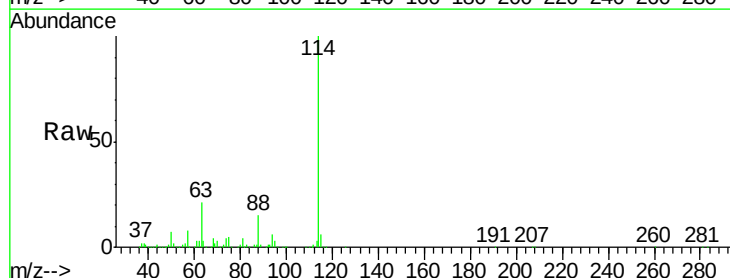
Tgt Ion: 114 Resp: 300764

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.6

88 15.4 0.0 30.0



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

200000

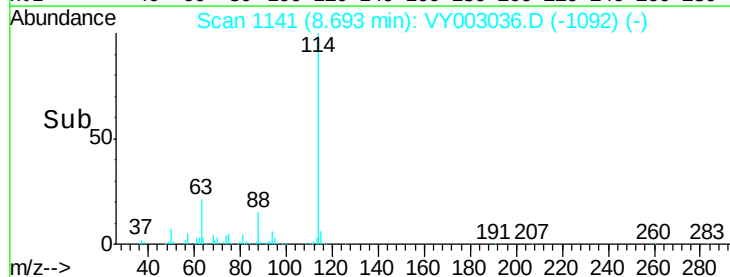
150000

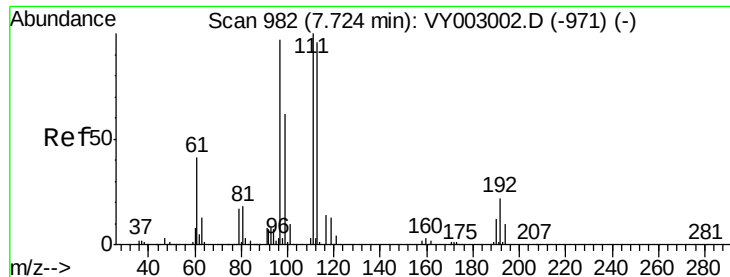
100000

50000

0

Time-->

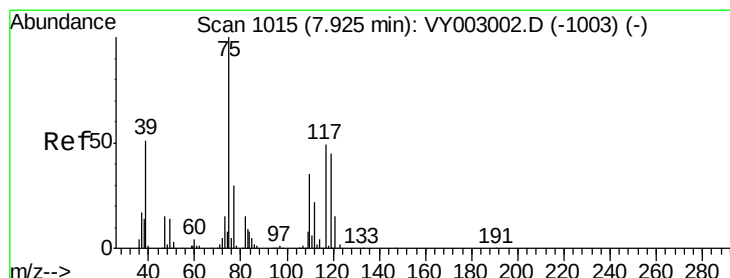
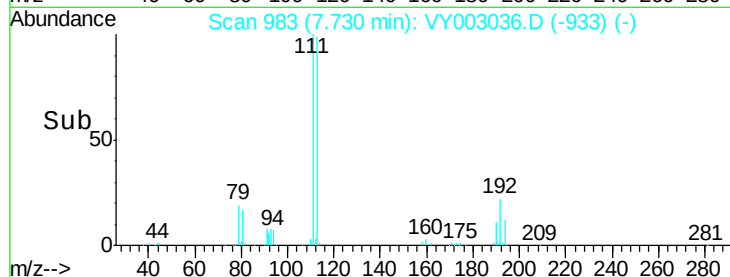
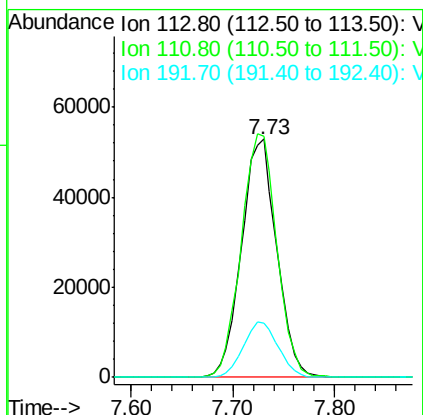
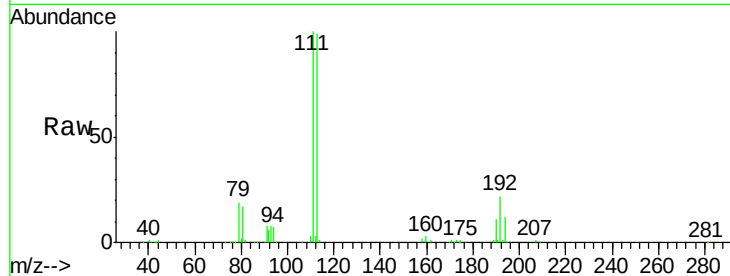




#35
 Dibromofluoromethane
 Concen: 67.660 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY003036.D
 Acq: 30 Jun 2020 15:40

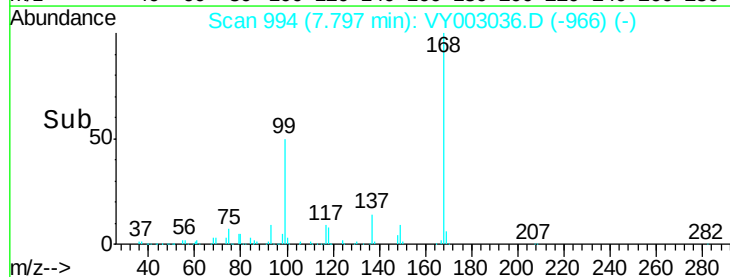
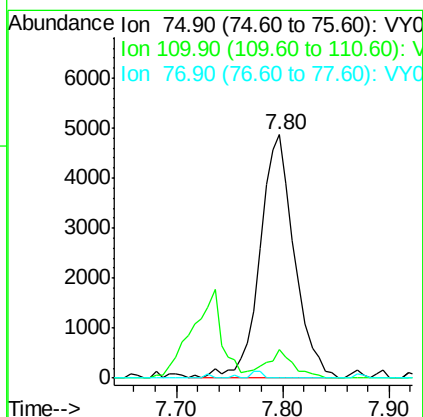
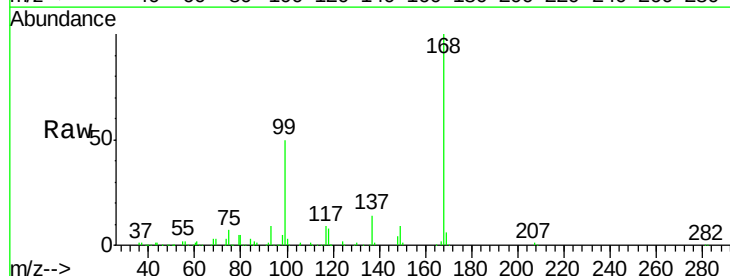
Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11982RE

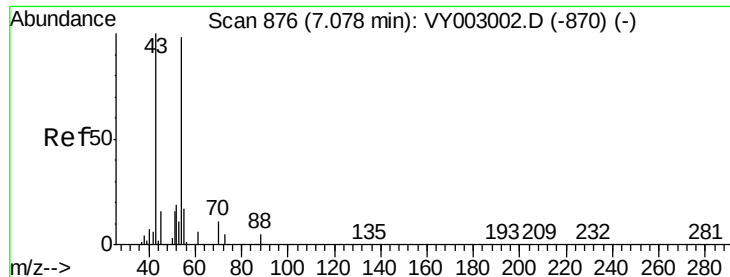
Tot Ion:113 Resp: 126944
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.6 123.8
 192 23.1 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 3.785 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003036.D
 Acq: 30 Jun 2020 15:40

Tgt Ion: 75 Resp: 10966
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.1 51.2#
 77 0.9 24.9 37.3#





#37

Ethyl Acetate

Concen: 492.556 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.09 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

72-11982RE

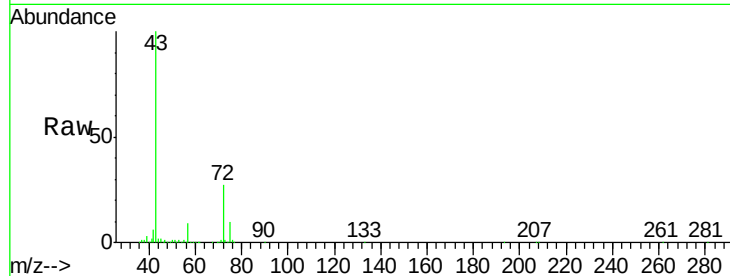
Tot Ion: 43 Resp: 857974

Ion Ratio Lower Upper

43 100

61 0.3 10.4 15.6#

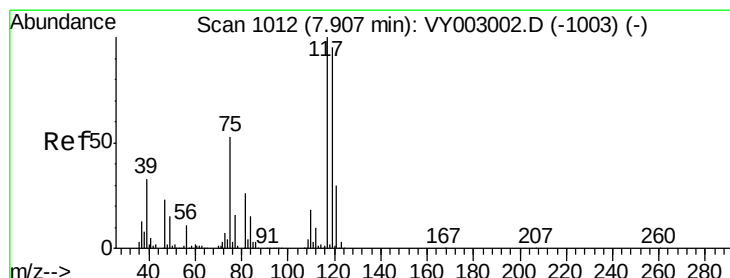
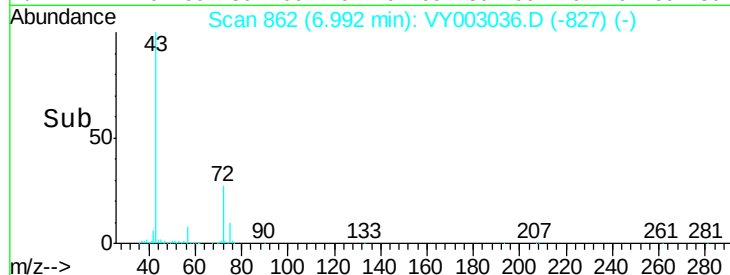
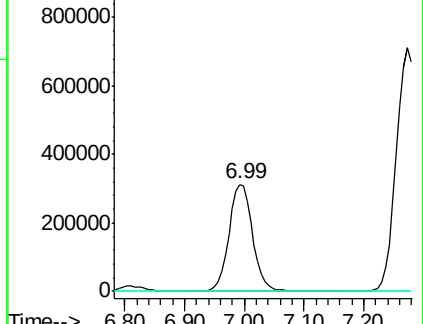
70 0.1 7.7 11.5#



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: 4.805 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

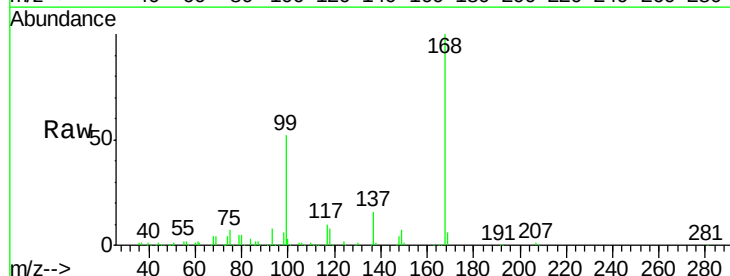
Tgt Ion: 117 Resp: 14482

Ion Ratio Lower Upper

117 100

119 4.4 75.7 113.5#

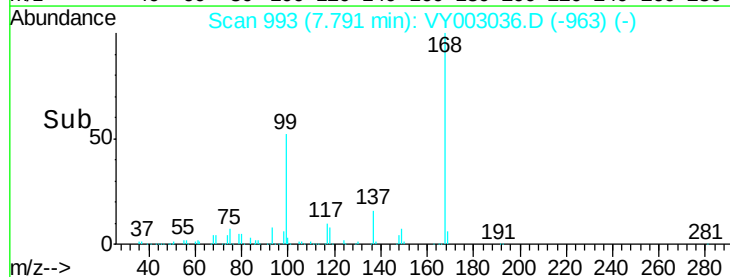
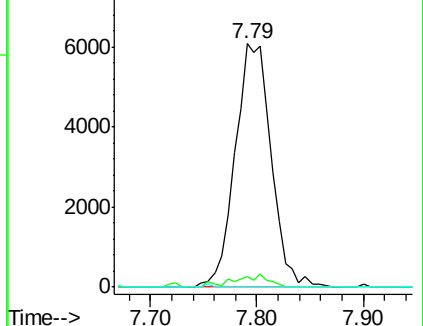
121 0.0 23.9 35.9#

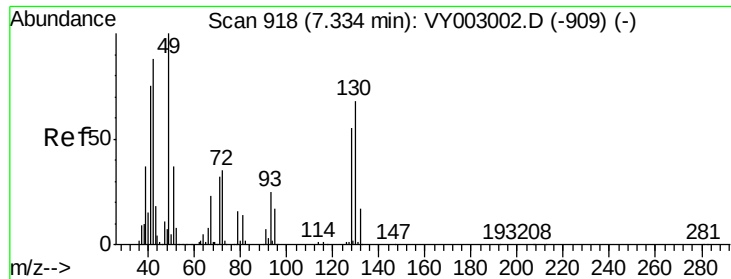


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

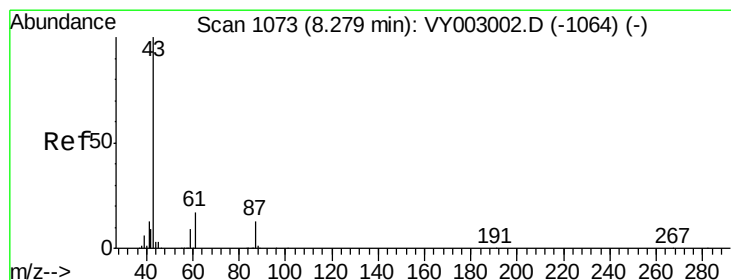
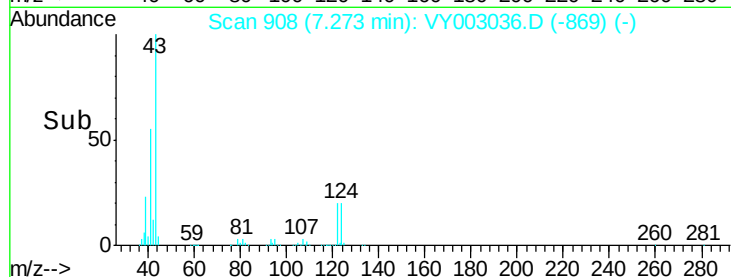
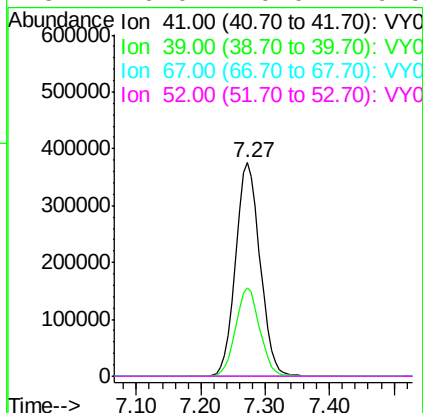
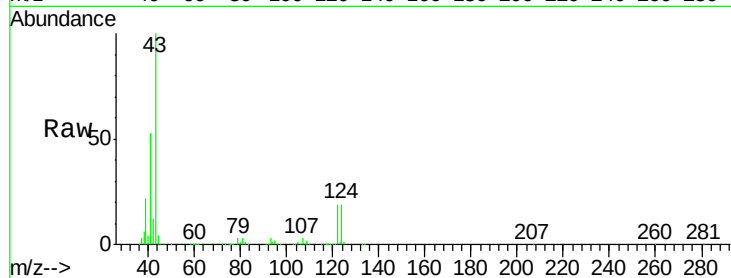




#41
Methacrylonitrile
Concen: 1062.263 ug/l
RT: 7.27 min Scan# 908
Delta R.T. -0.06 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

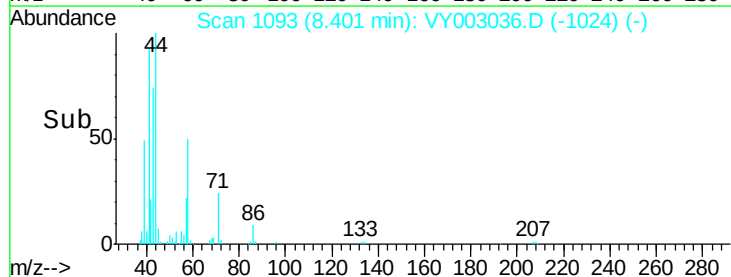
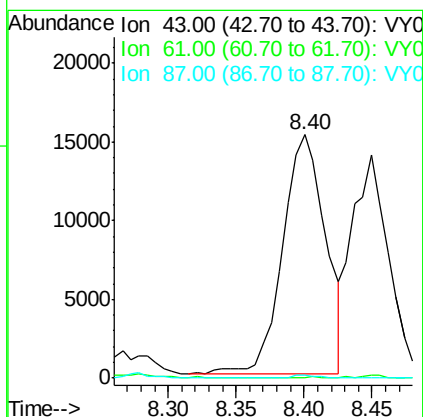
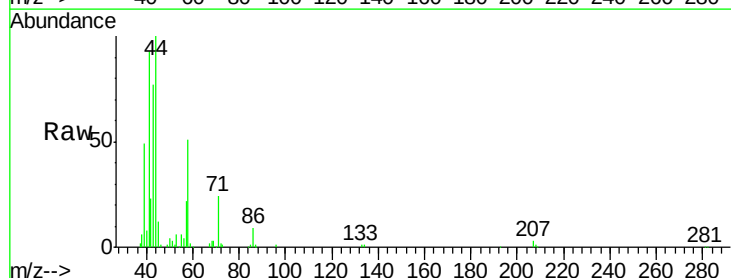
Instrument :
MSVOA_Y
ClientSampleId :
72-11982RE

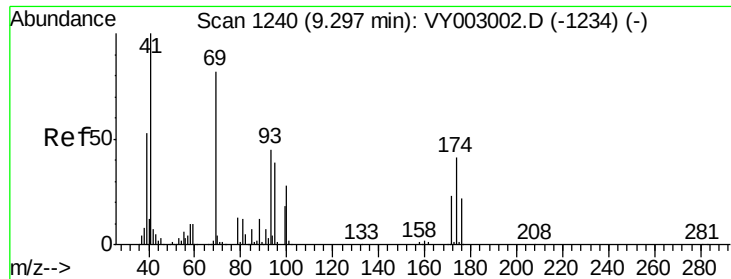
Tot Ion:	41	Resp:	988413
Ion	Ratio	Lower	Upper
41	100		
39	40.8	85.7	128.5#
67	0.0	0.0	0.0#
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 10.030 ug/l
RT: 8.40 min Scan# 1093
Delta R.T. 0.12 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

Tgt Ion:	43	Resp:	33215
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.8	32.6#
87	0.0	10.1	15.1#

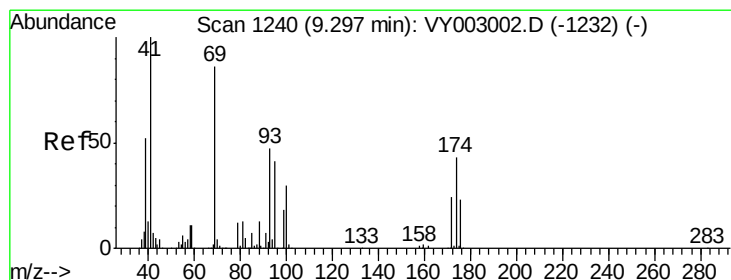
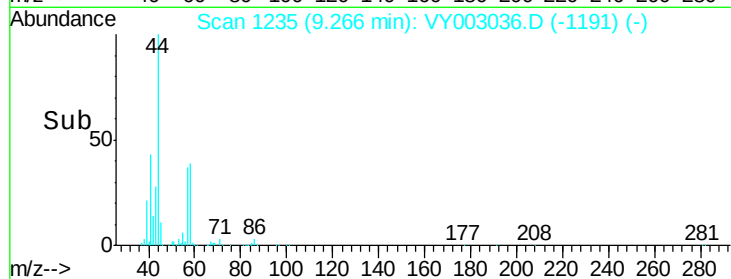
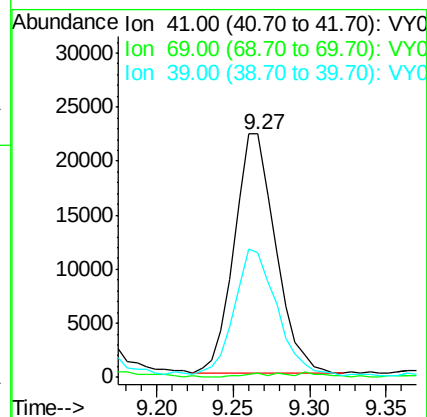
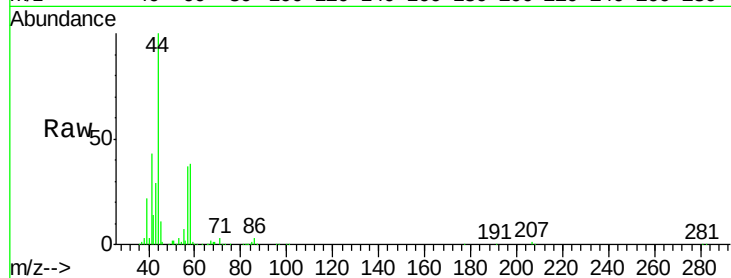




#48
Methvl methacrylate
Concen: 27.575 ug/l
RT: 9.27 min Scan# 1235
Delta R.T. -0.03 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

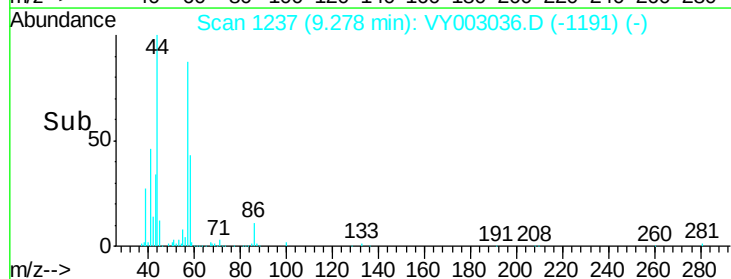
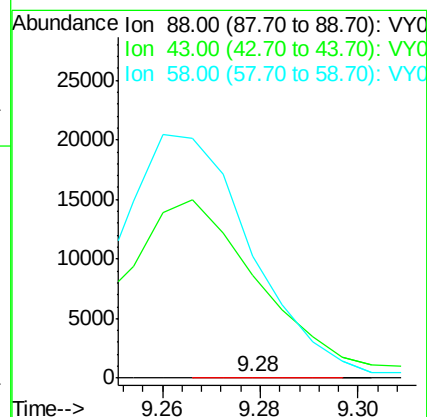
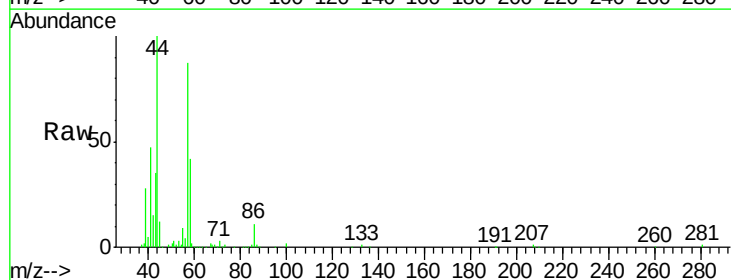
Instrument :
MSVOA_Y
ClientSampleId :
72-11982RE

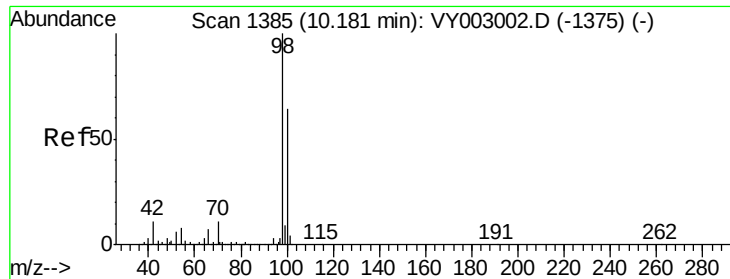
Tot Ion: 41 Resp: 41563
Ion Ratio Lower Upper
41 100
69 0.7 67.7 101.5#
39 53.8 45.0 67.4



#49
1,4-Dioxane
Concen: 2.887 ug/l
RT: 9.28 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 95797.6 56.7 85.1#





#50

Toluene-d8

Concen: 32.189 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

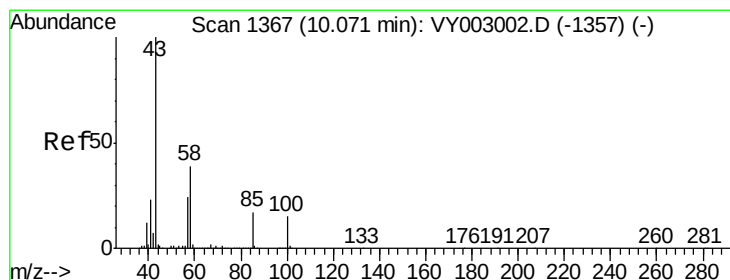
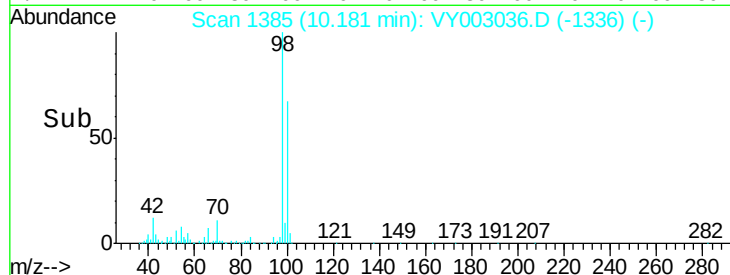
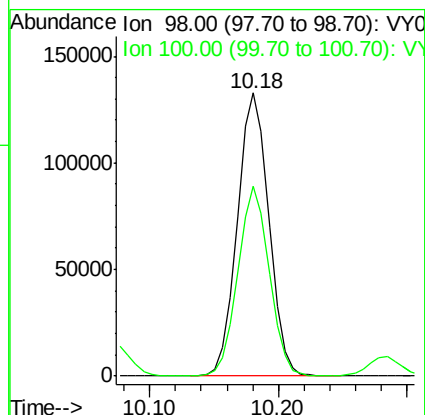
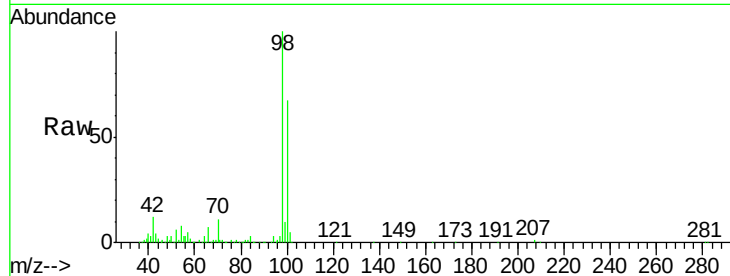
72-11982RE

Tot Ion: 98 Resp: 224990

Ion Ratio Lower Upper

98 100

100 66.8 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 93.370 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003036.D

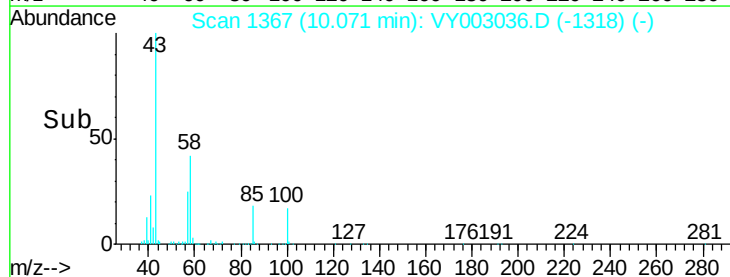
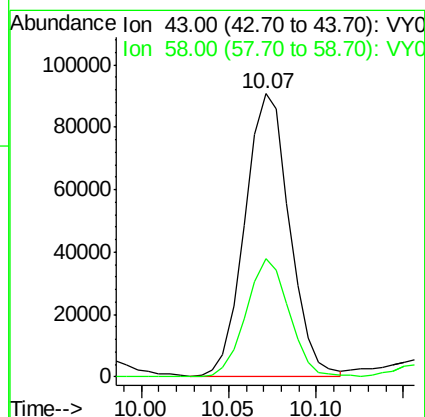
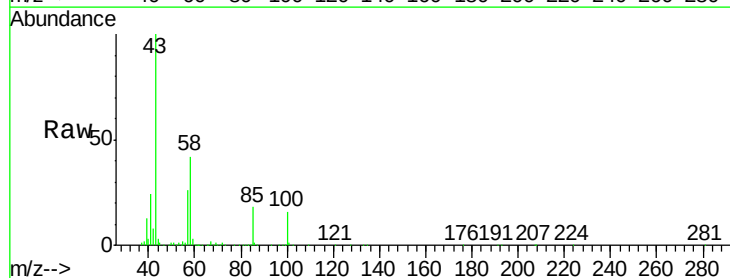
Acq: 30 Jun 2020 15:40

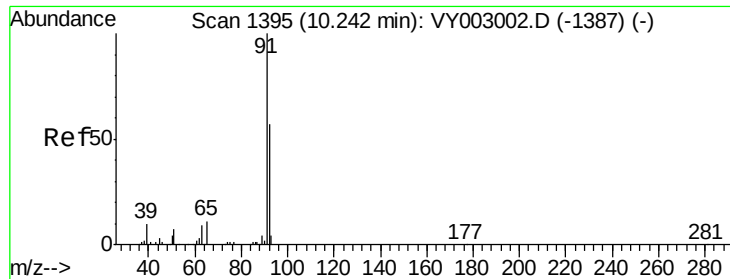
Tgt Ion: 43 Resp: 159804

Ion Ratio Lower Upper

43 100

58 40.8 31.1 46.7





#52

Toluene

Concen: 9.934 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Instrument :

MSVOA_Y

ClientSampled :

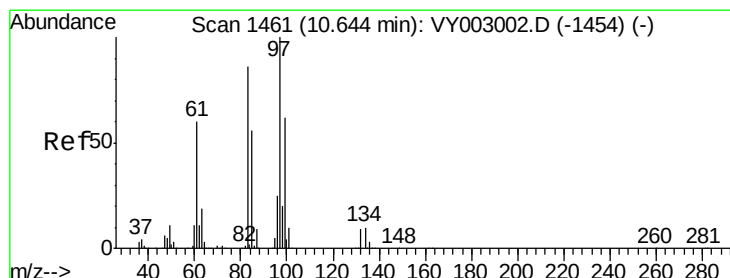
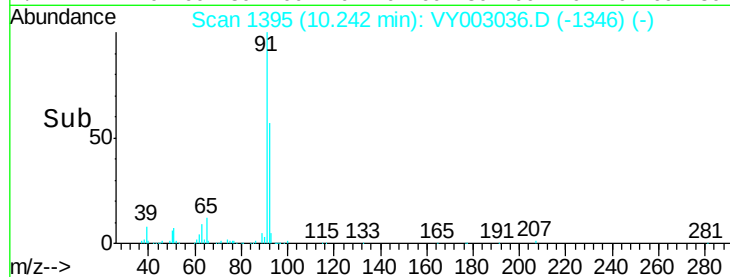
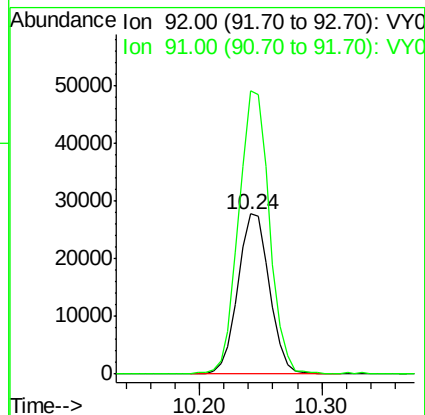
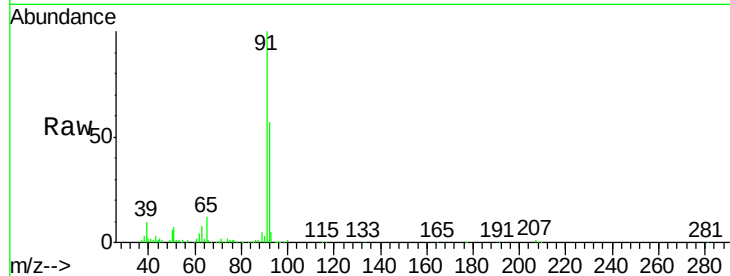
72-11982RE

Tot Ion: 92 Resp: 49601

Ion Ratio Lower Upper

92 100

91 172.6 139.6 209.4



#55

1,1,2-Trichloroethane

Concen: 1.678 ug/l

RT: 10.67 min Scan# 1465

Delta R.T. 0.02 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Tgt Ion: 97 Resp: 2779

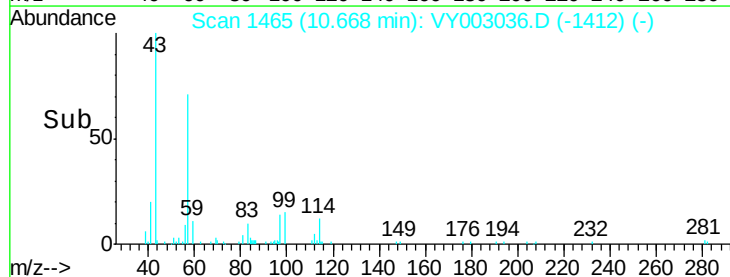
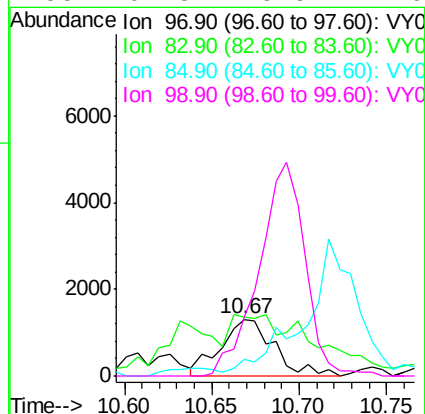
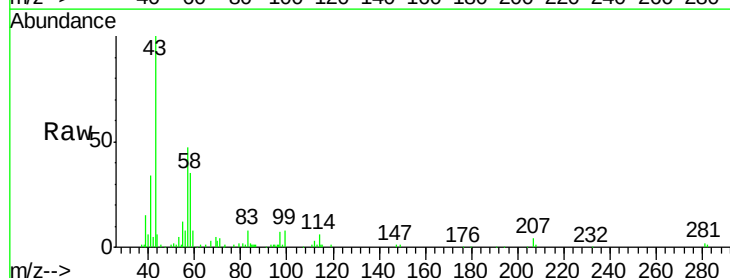
Ion Ratio Lower Upper

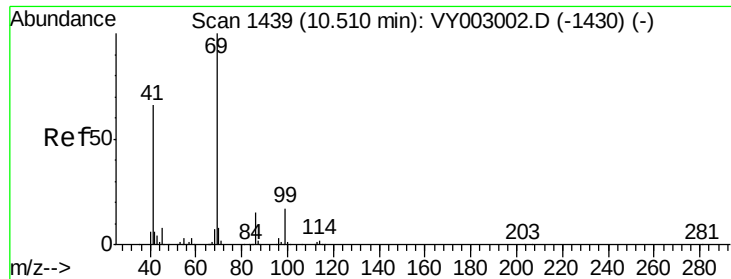
97 100

83 57.0 69.0 103.6#

85 15.7 44.8 67.2#

99 102.8 49.9 74.9#

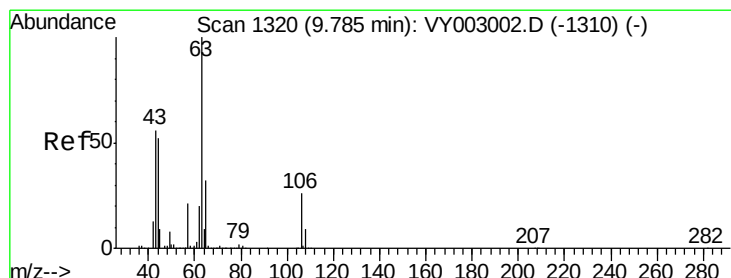
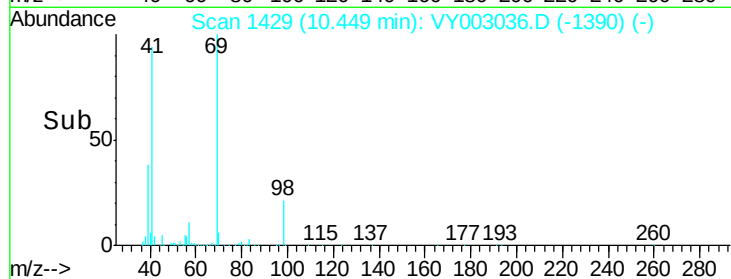
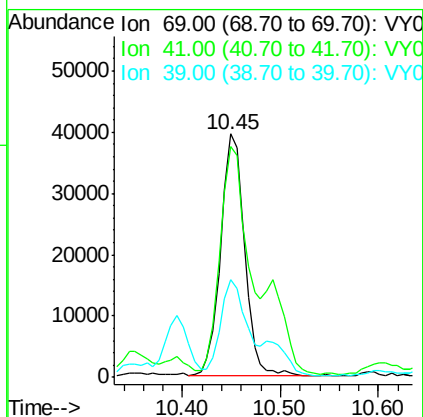
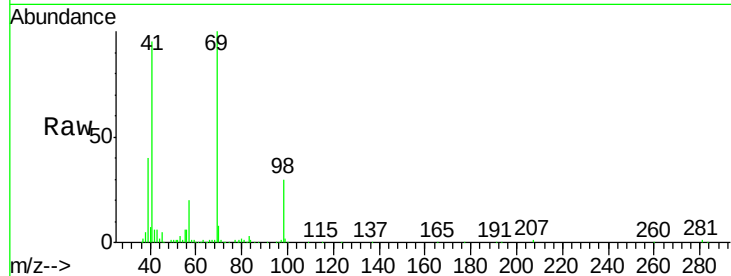




#56
Ethyl methacrylate
Concen: 28.227 ug/l
RT: 10.45 min Scan# 1429
Delta R.T. -0.06 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

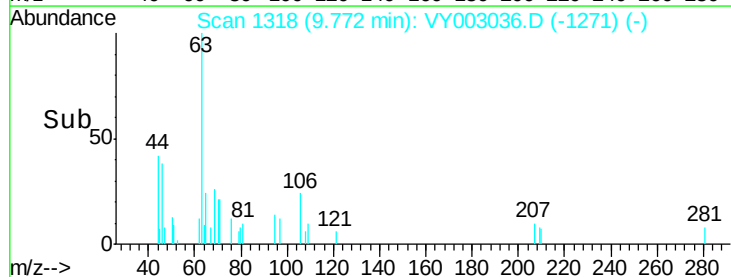
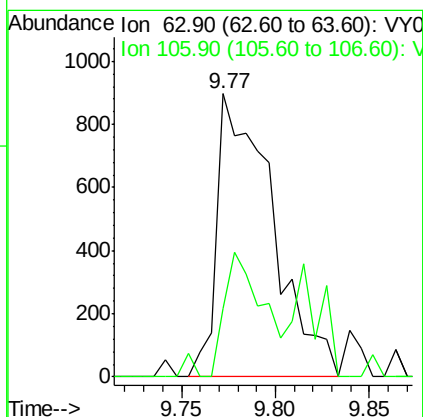
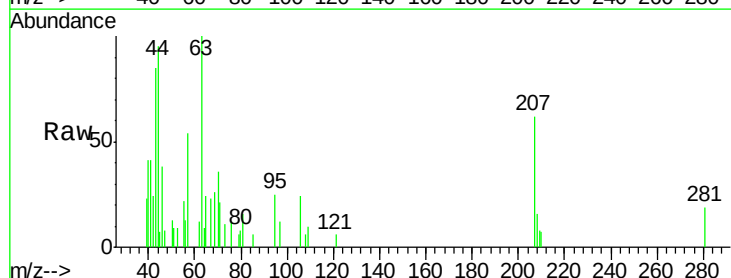
Instrument :
MSVOA_Y
ClientSampled :
72-11982RE

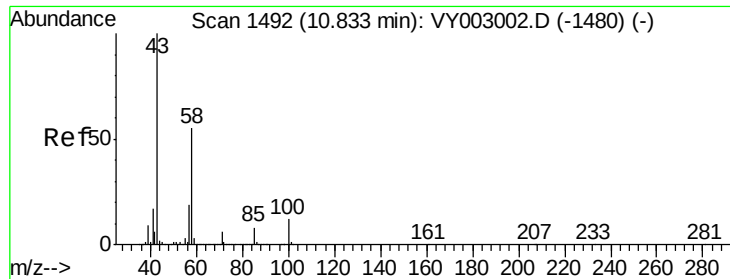
Tot Ion: 69 Resp: 67669
Ion Ratio Lower Upper
69 100
41 104.9 53.7 80.5#
39 38.9 28.3 42.5



#58
2-Chloroethyl Vinyl ether
Concen: 1.488 ug/l
RT: 9.77 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

Tgt Ion: 63 Resp: 1830
Ion Ratio Lower Upper
63 100
106 31.8 21.5 32.3

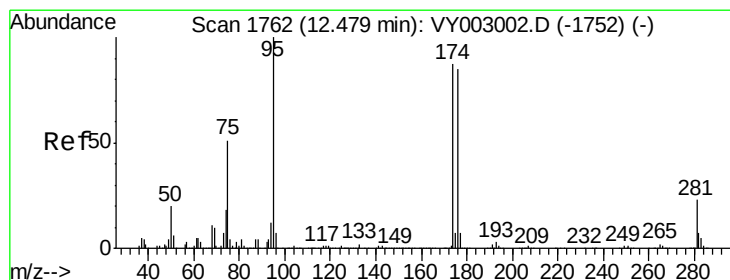
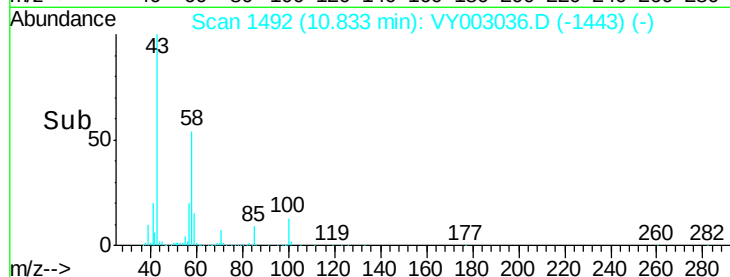
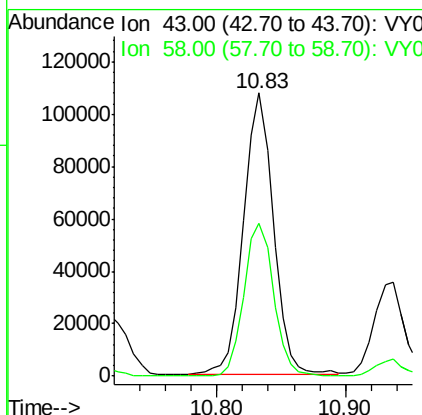
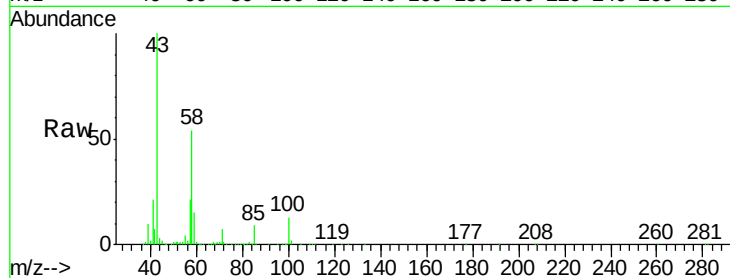




#59
2-Hexanone
Concen: 144.623 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

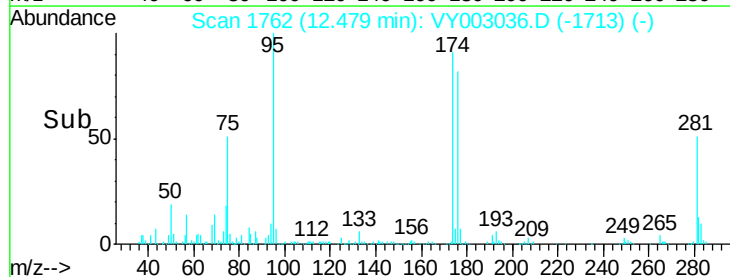
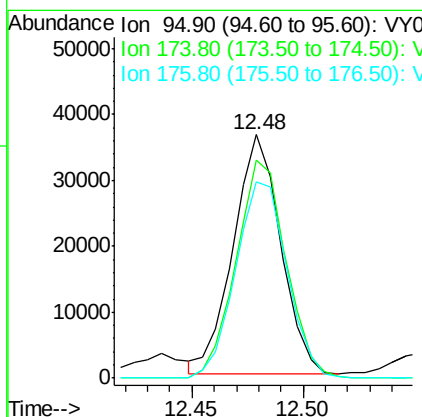
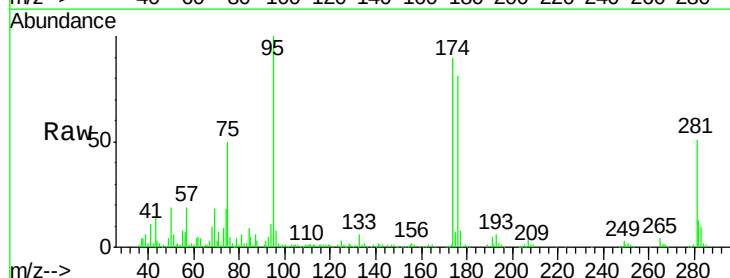
Instrument :
MSVOA_Y
ClientSampled :
72-11982RE

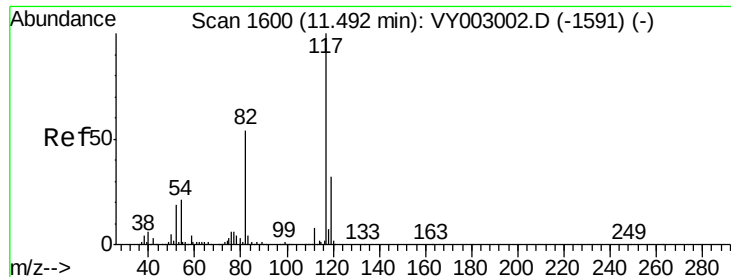
Tot Ion: 43 Resp: 173012
Ion Ratio Lower Upper
43 100
58 53.8 27.5 82.4



#62
4-Bromofluorobenzene
Concen: 21.968 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

Tgt Ion: 95 Resp: 54051
Ion Ratio Lower Upper
95 100
174 95.9 0.0 184.8
176 88.7 0.0 183.0

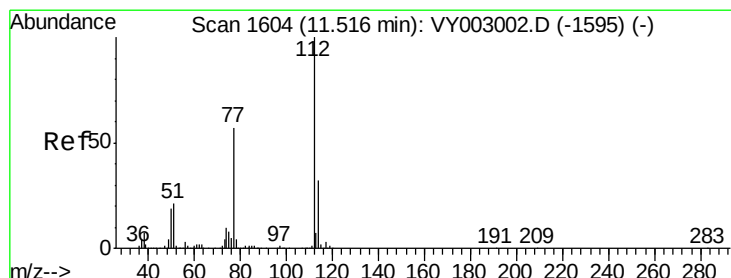
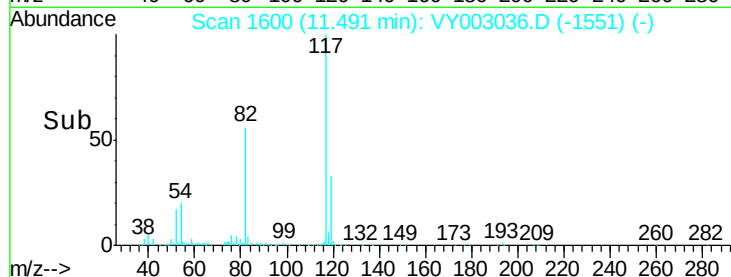
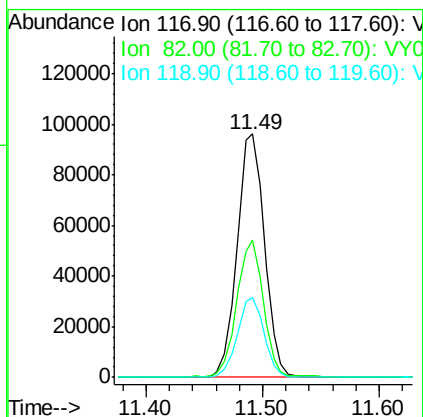
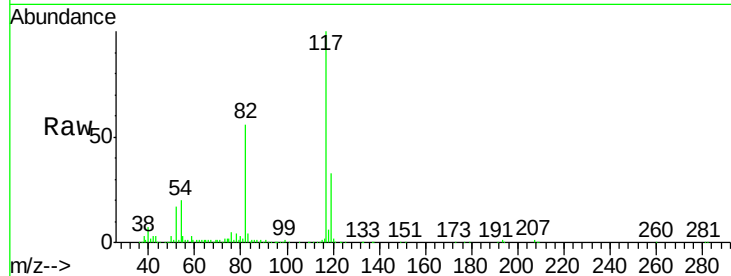




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

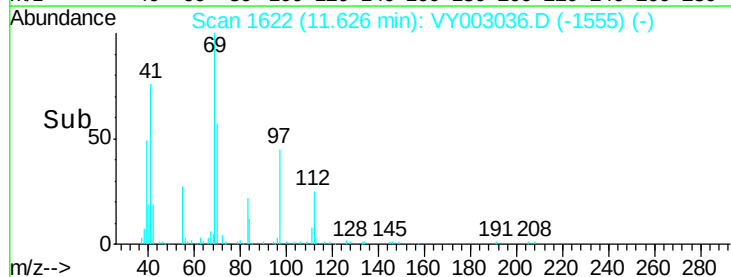
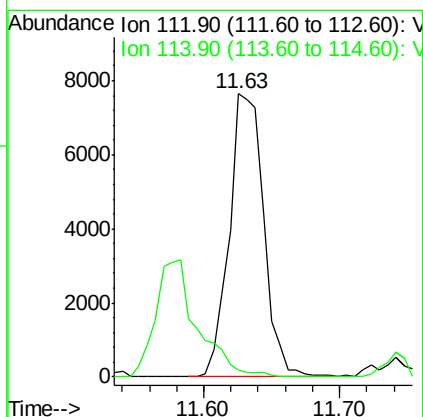
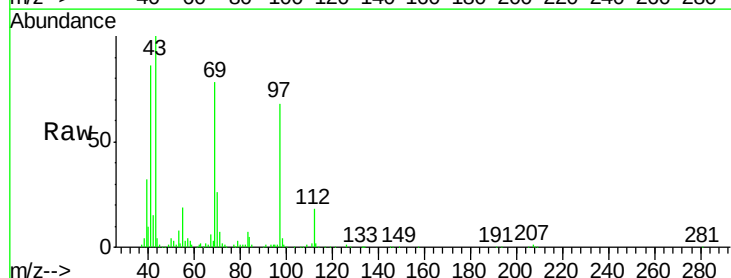
Instrument :
MSVOA_Y
ClientSampleId :
72-11982RE

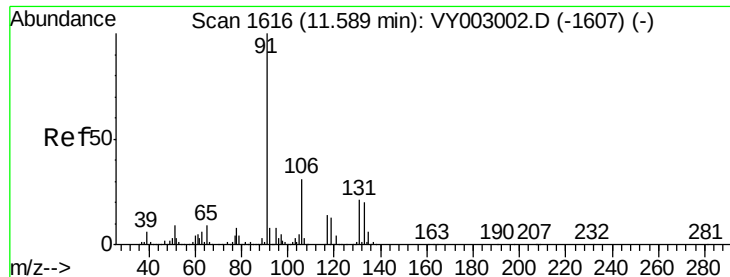
Tot Ion:117 Resp: 157752
Ion Ratio Lower Upper
117 100
82 56.0 43.0 64.6
119 32.8 25.8 38.8



#65
Chlorobenzene
Concen: 4.319 ug/l
RT: 11.63 min Scan# 1622
Delta R.T. 0.11 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

Tgt Ion:112 Resp: 13436
Ion Ratio Lower Upper
112 100
114 2.6 25.7 38.5#





#67

Ethyl Benzene

Concen: 1.957 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

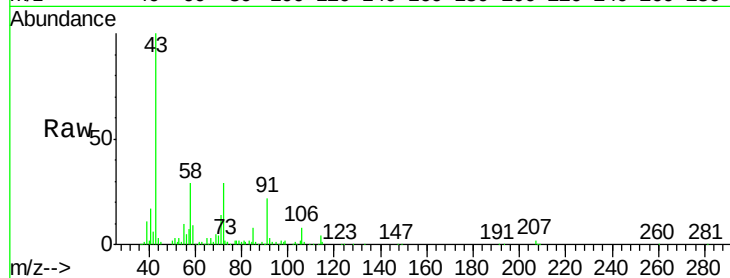
72-11982RE

Tot Ion: 91 Resp: 11139

Ion Ratio Lower Upper

91 100

106 36.4 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VY003002.D (-1607) (-)

Ion 106.00 (105.70 to 106.70): VY003002.D (-1607) (-)

8000

6000

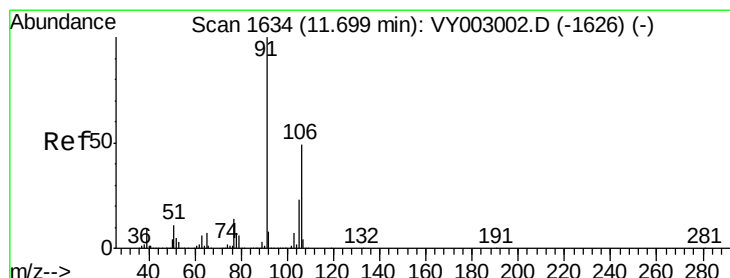
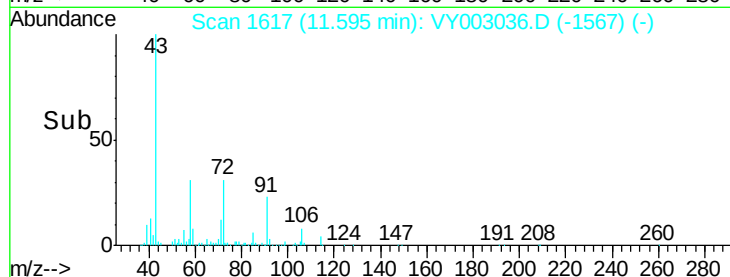
4000

2000

0

11.50 11.55 11.60 11.65

Time-->



#68

m/p-Xylenes

Concen: 9.709 ug/l

RT: 11.69 min Scan# 1633

Delta R.T. -0.01 min

Lab File: VY003036.D

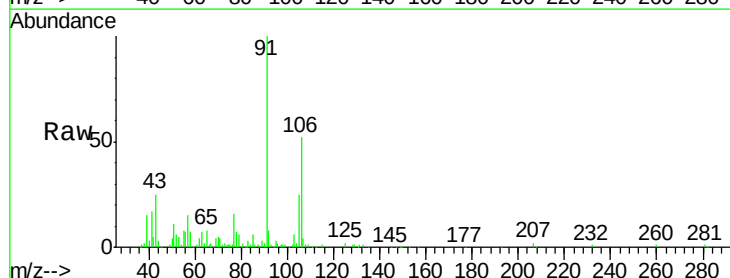
Acq: 30 Jun 2020 15:40

Tgt Ion: 106 Resp: 20562

Ion Ratio Lower Upper

106 100

91 196.9 161.9 242.9



Abundance Ion 106.00 (105.70 to 106.70): VY003002.D (-1626) (-)

Ion 91.00 (90.70 to 91.70): VY003002.D (-1626) (-)

25000

20000

15000

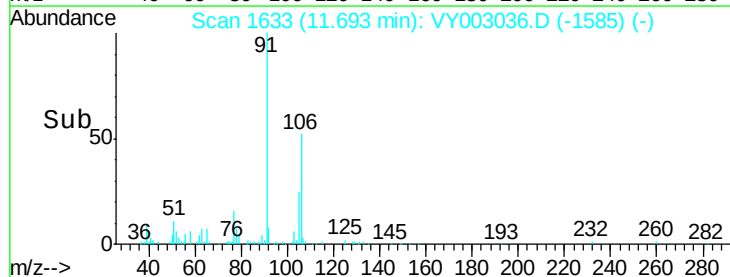
10000

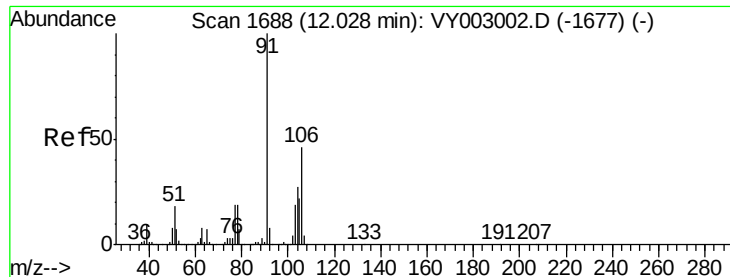
5000

0

11.65 11.70 11.75

Time-->

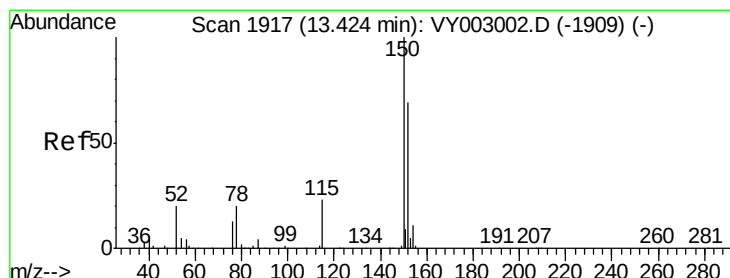
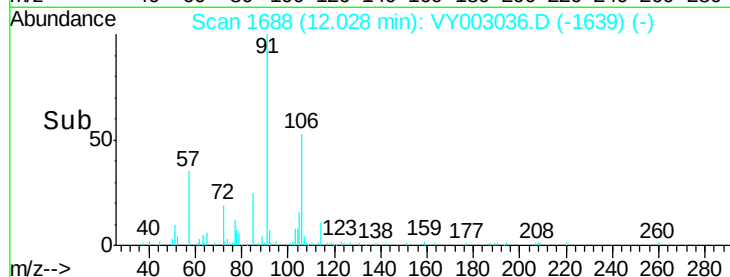
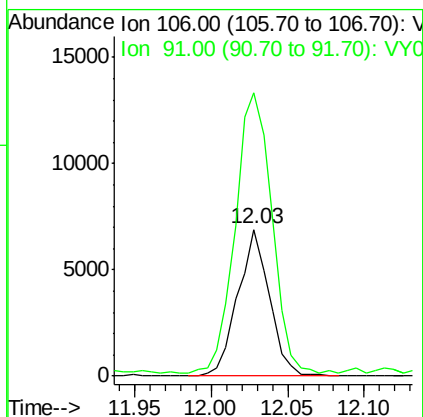
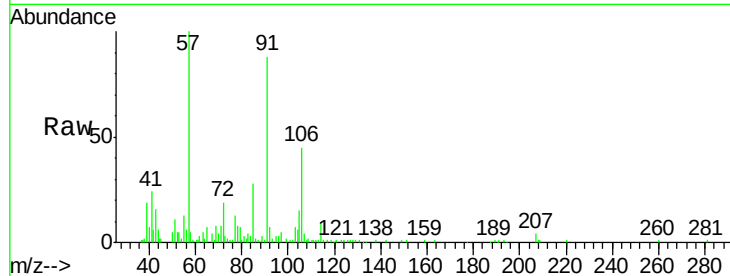




#69
o-Xylene
Concen: 4.980 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

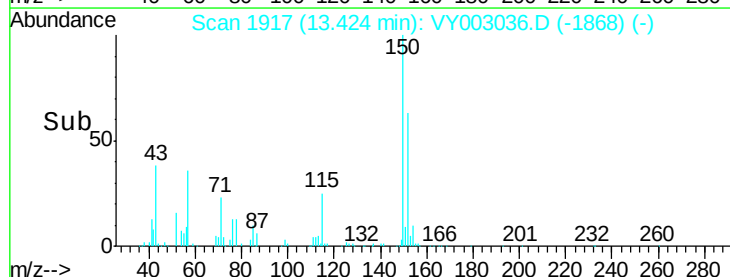
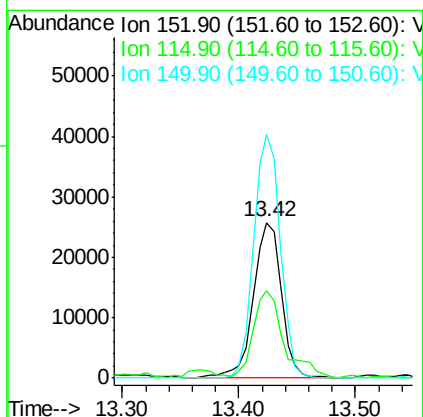
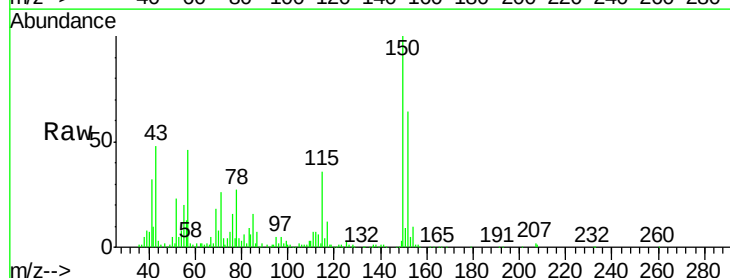
Instrument :
MSVOA_Y
ClientSampled :
72-11982RE

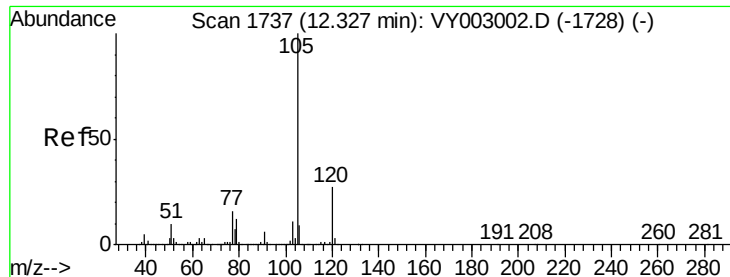
Tot Ion:106 Resp: 9938
Ion Ratio Lower Upper
106 100
91 219.6 107.9 323.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

Tgt Ion:152 Resp: 43185
Ion Ratio Lower Upper
152 100
115 60.2 27.3 81.9
150 147.8 0.0 343.4





#73

Isopropylbenzene

Concen: 3.599 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

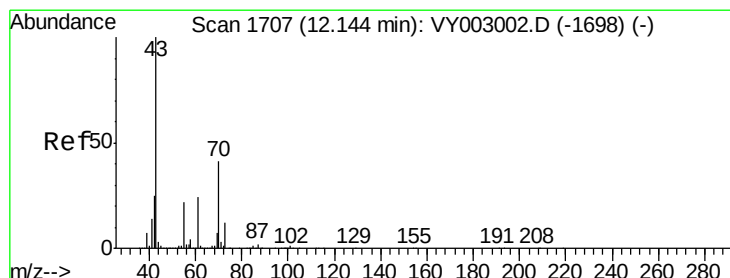
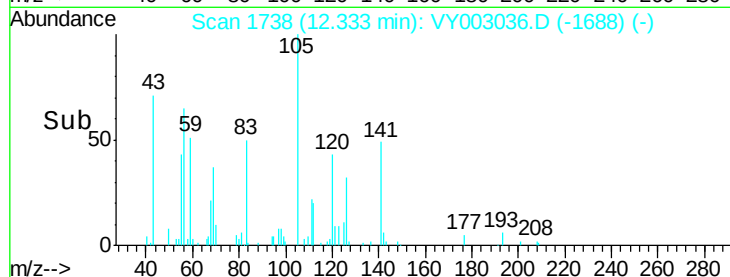
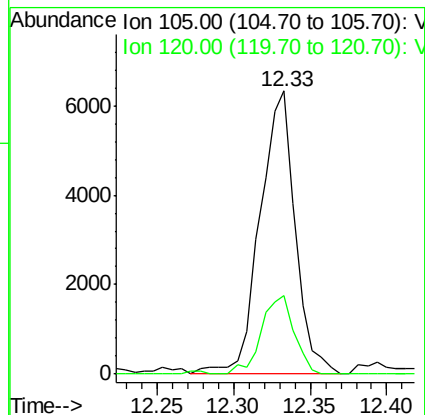
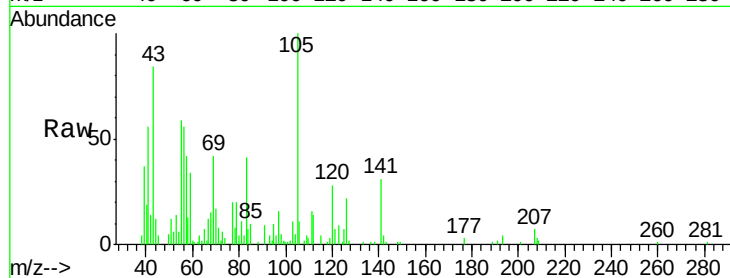
72-11982RE

Tot Ion:105 Resp: 10173

Ion Ratio Lower Upper

105 100

120 25.7 13.4 40.1



#74

N-ethyl acetate

Concen: 71.808 ug/l

RT: 12.11 min Scan# 1701

Delta R.T. -0.04 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Tgt Ion: 43 Resp: 66069

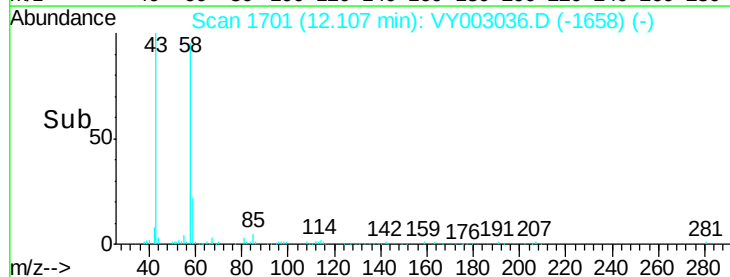
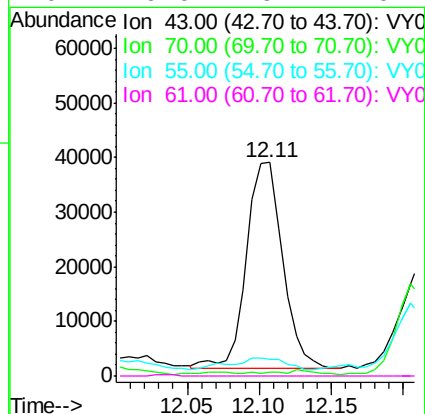
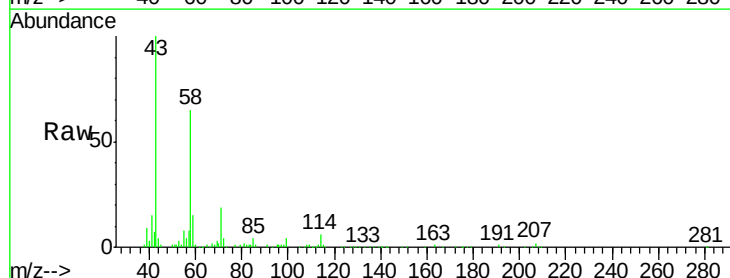
Ion Ratio Lower Upper

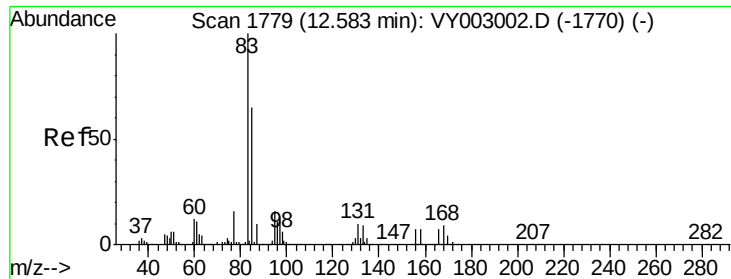
43 100

70 0.0 33.0 49.4#

55 7.9 18.2 27.2#

61 0.0 19.4 29.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.488 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. 0.02 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

72-11982RE

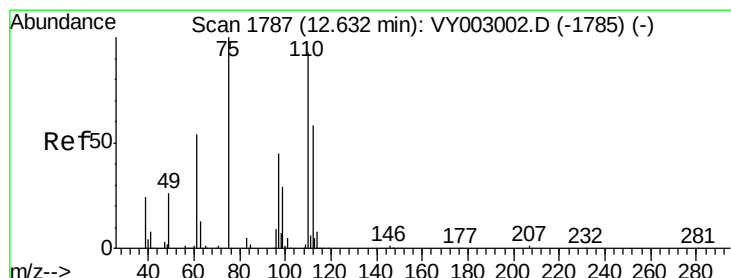
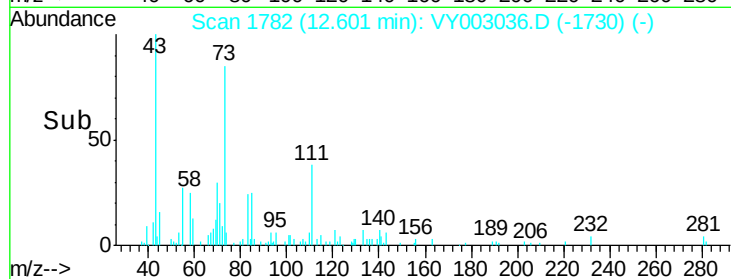
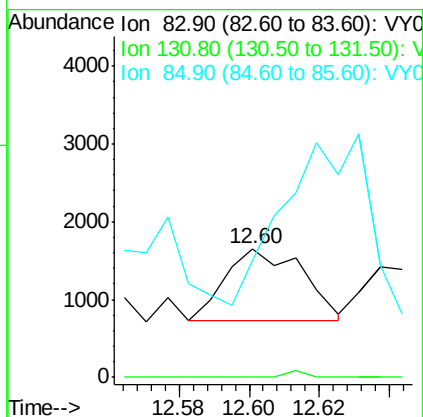
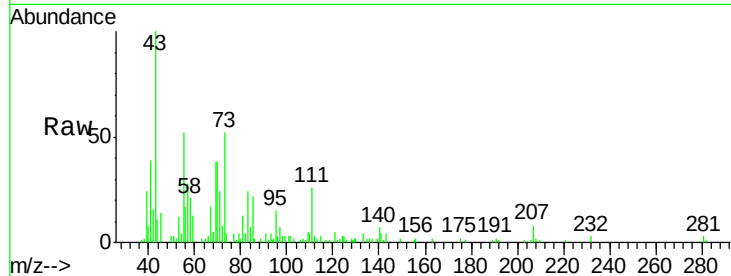
Tot Ion: 83 Resp: 1419

Ion Ratio Lower Upper

83 100

131 2.2 5.3 16.1#

85 0.0 32.1 96.3#



#76

1,2,3-Trichloropropane

Concen: 65.679 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003036.D

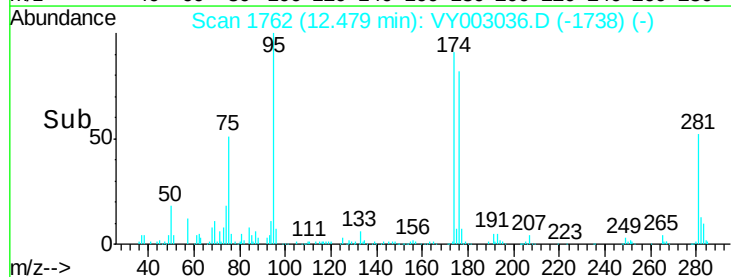
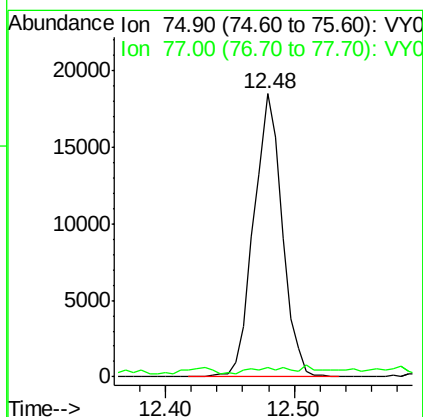
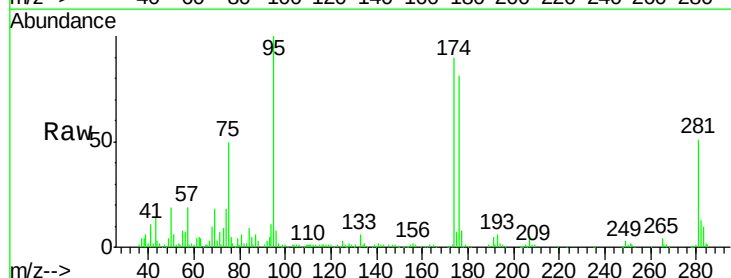
Acq: 30 Jun 2020 15:40

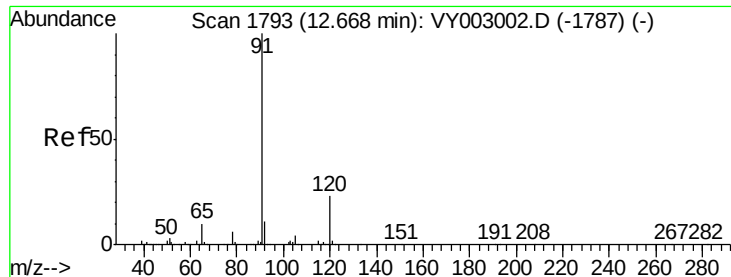
Tgt Ion: 75 Resp: 28071

Ion Ratio Lower Upper

75 100

77 2.8 0.0 0.0#





#78

n-propylbenzene

Concen: 4.918 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Instrument :

MSVOA_Y

ClientSampled :

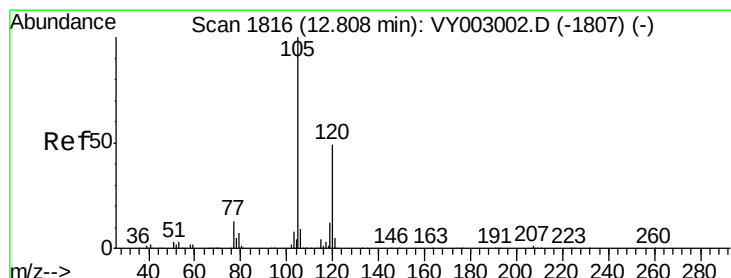
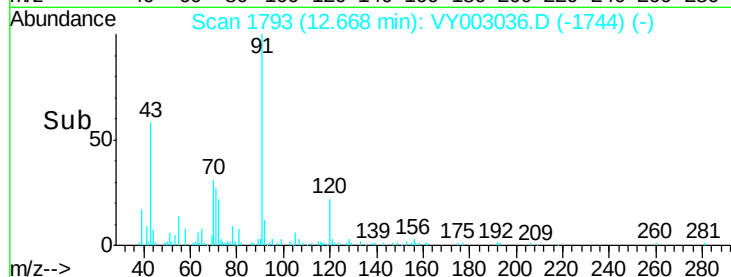
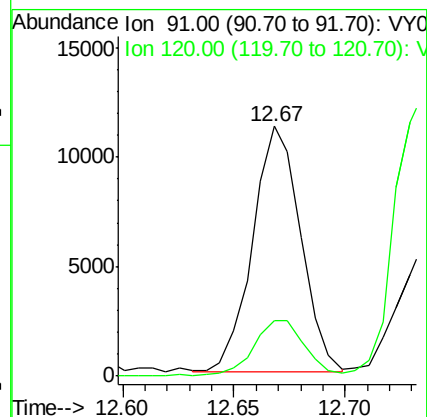
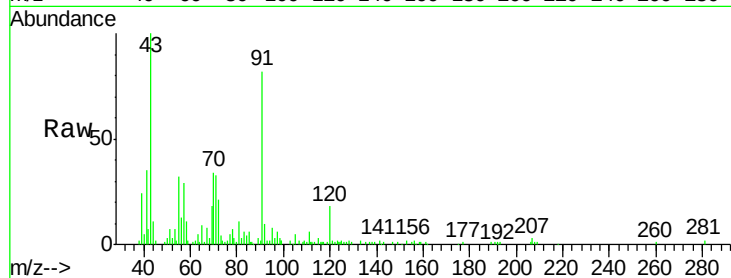
72-11982RE

Tot Ion: 91 Resp: 16715

Ion Ratio Lower Upper

91 100

120 24.4 11.5 34.5



#80

1,3,5-Trimethylbenzene

Concen: 22.002 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003036.D

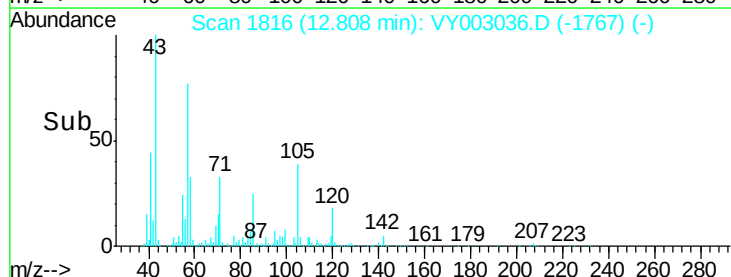
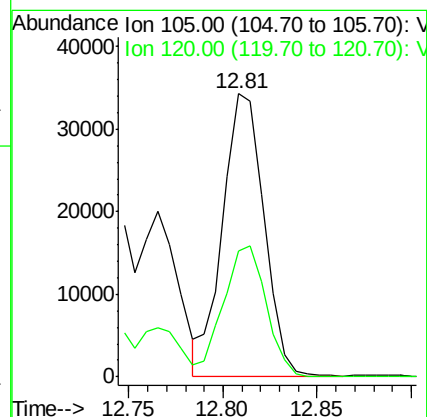
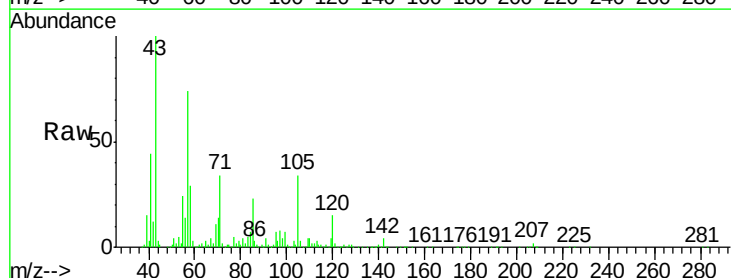
Acq: 30 Jun 2020 15:40

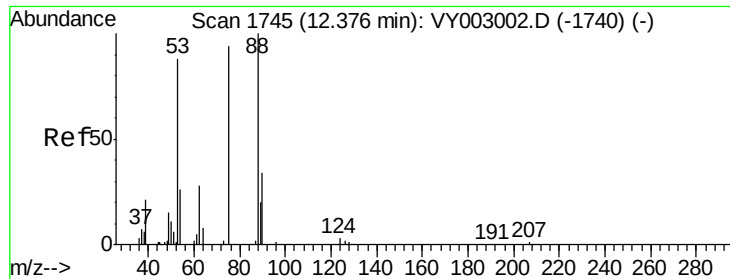
Tgt Ion: 105 Resp: 52180

Ion Ratio Lower Upper

105 100

120 48.2 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 127.783 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

72-11982RE

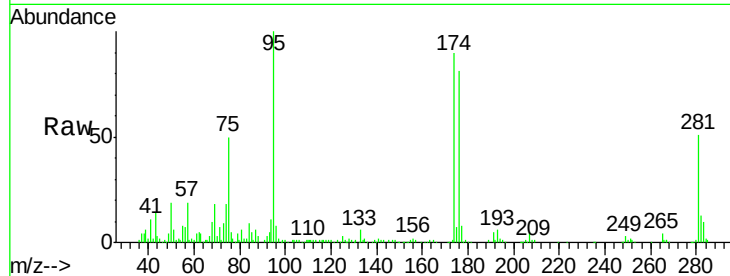
Tot Ion: 75 Resp: 28071

Ion Ratio Lower Upper

75 100

53 1.6 73.9 110.9#

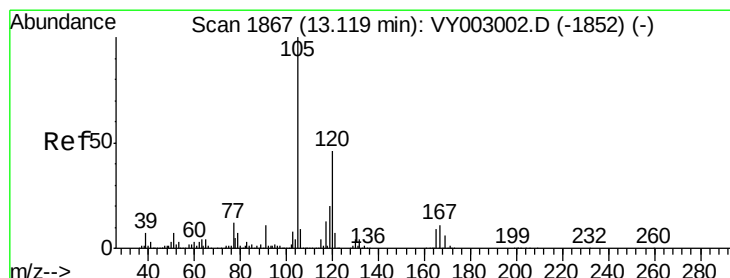
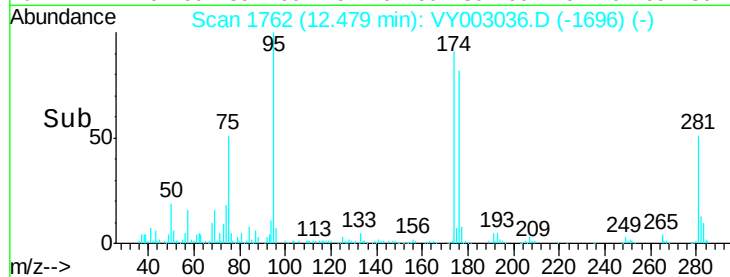
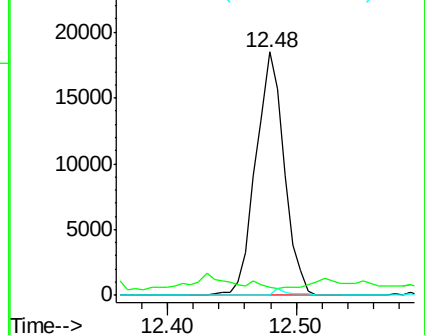
89 1.5 37.5 56.3#



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



#84

1,2,4-Trimethylbenzene

Concen: 93.846 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003036.D

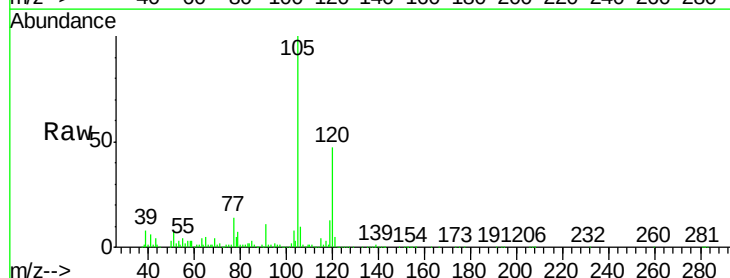
Acq: 30 Jun 2020 15:40

Tgt Ion: 105 Resp: 224275

Ion Ratio Lower Upper

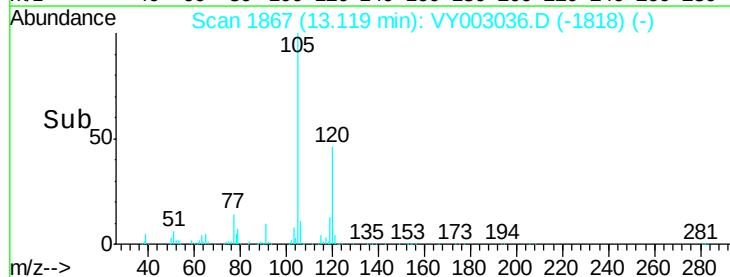
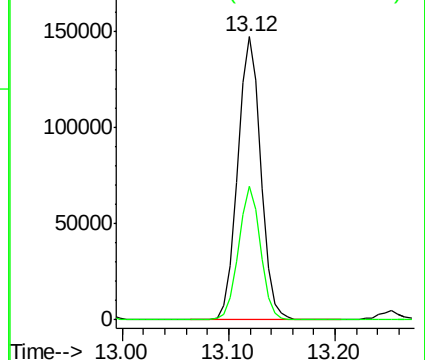
105 100

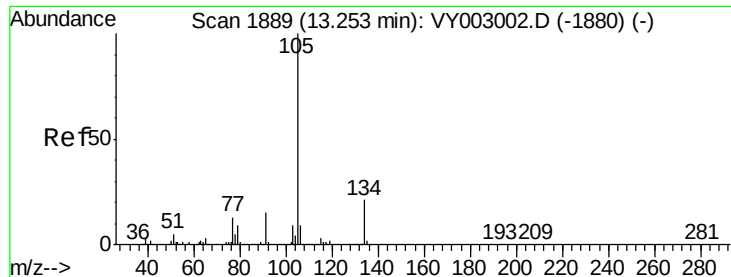
120 44.8 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

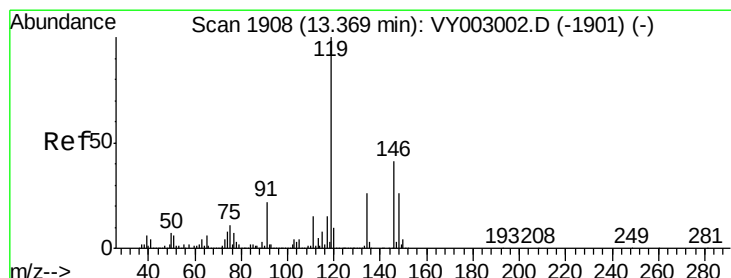
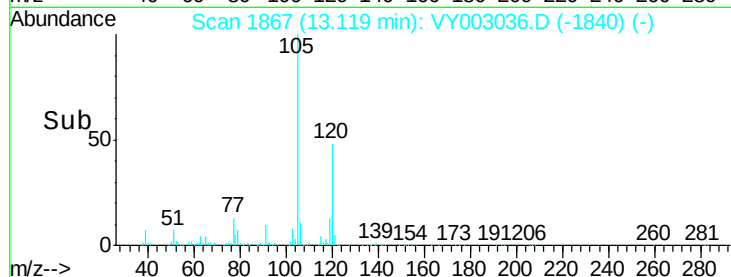
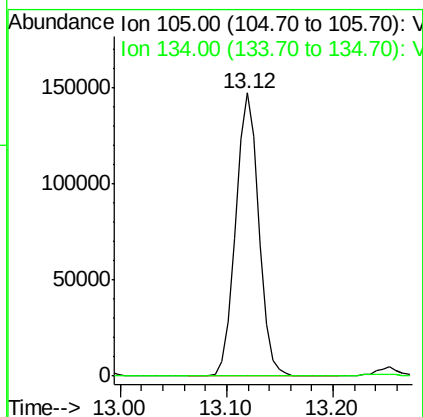
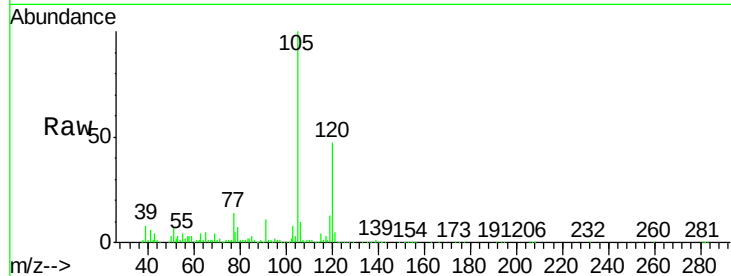




#85
 sec-Butylbenzene
 Concen: 78.134 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.13 min
 Lab File: VY003036.D
 Acq: 30 Jun 2020 15:40

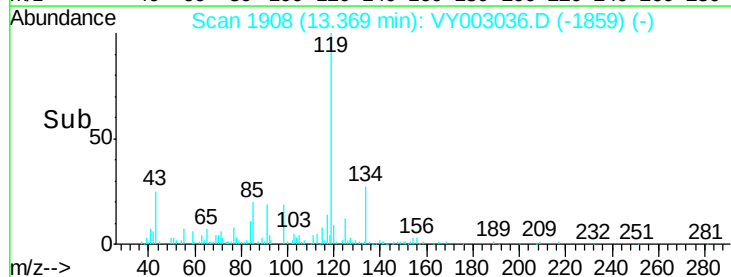
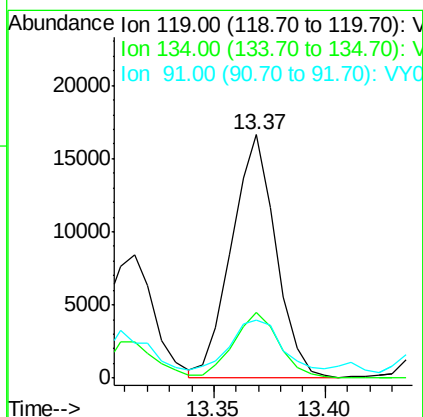
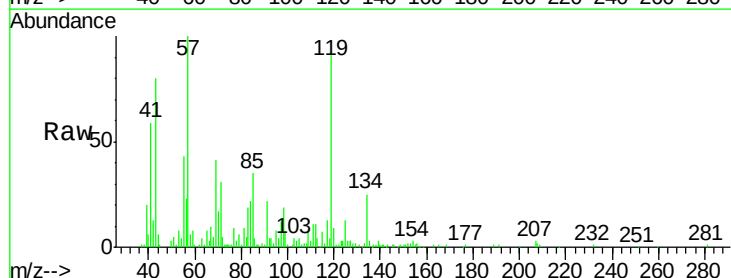
Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11982RE

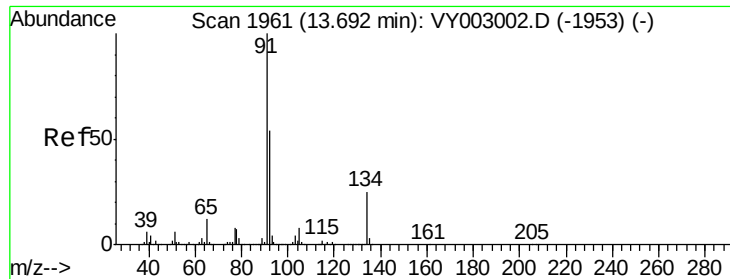
Tot Ion:105 Resp: 224275
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#



#86
 p-Isopropyltoluene
 Concen: 8.666 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY003036.D
 Acq: 30 Jun 2020 15:40

Tgt Ion:119 Resp: 23049
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.5 40.4
 91 22.3 11.5 34.5

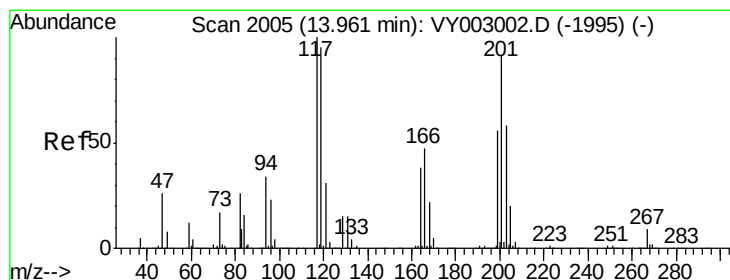
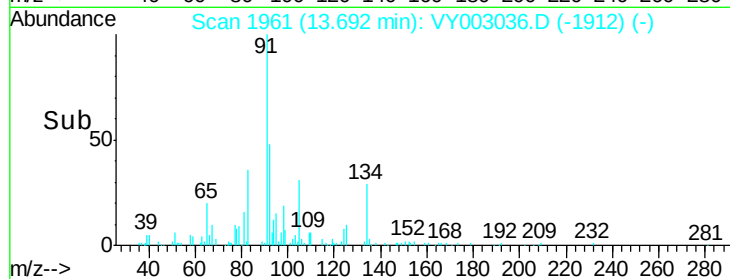
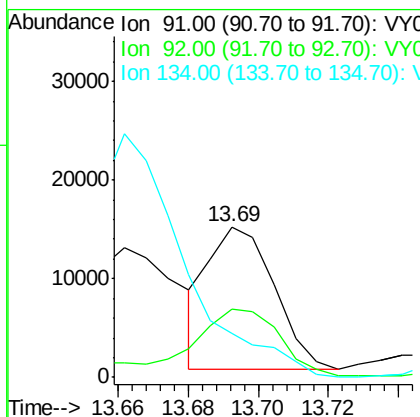
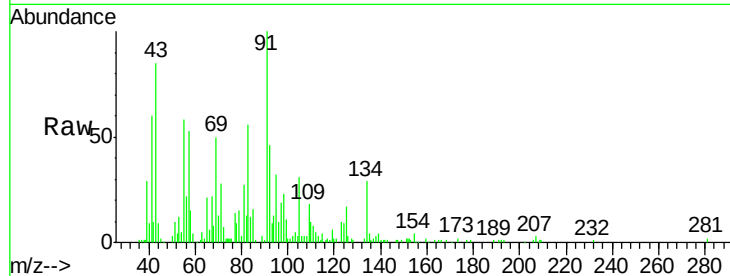




#89
n-Butylbenzene
Concen: 7.423 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

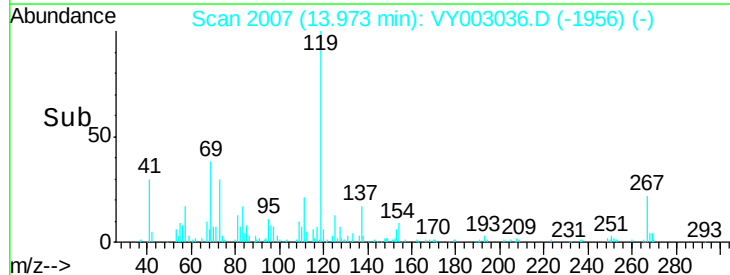
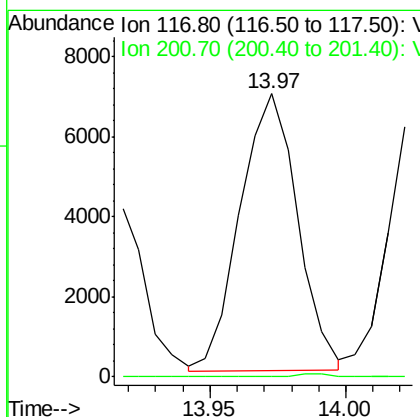
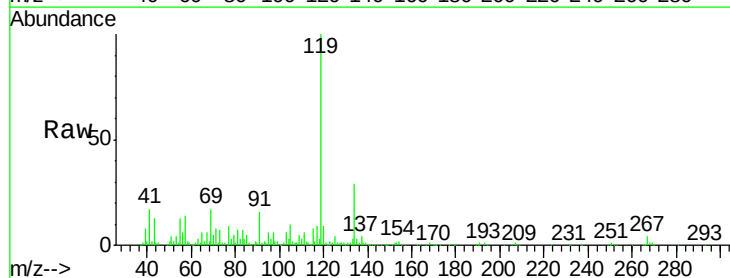
Instrument :
MSVOA_Y
ClientSampled :
72-11982RE

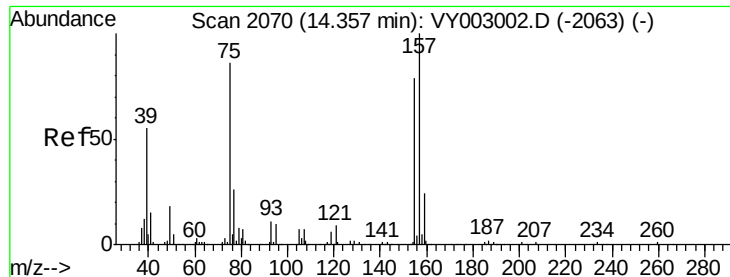
Tot Ion: 91 Resp: 18891
Ion Ratio Lower Upper
91 100
92 67.7 26.8 80.3
134 0.0 13.1 39.1#



#90
Hexachloroethane
Concen: 19.195 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY003036.D
Acq: 30 Jun 2020 15:40

Tgt Ion: 117 Resp: 10138
Ion Ratio Lower Upper
117 100
201 0.6 45.5 136.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.893 ug/l

RT: 14.39 min Scan# 2076

Delta R.T. 0.04 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

72-11982RE

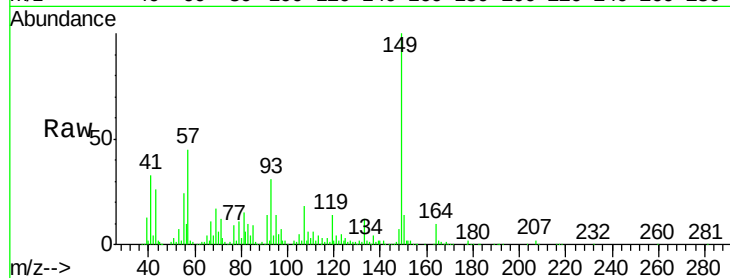
Tot Ion: 75 Resp: 494

Ion Ratio Lower Upper

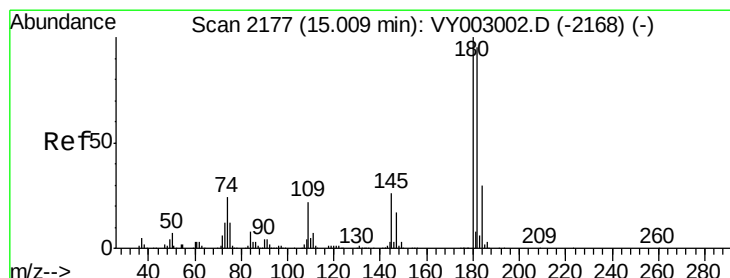
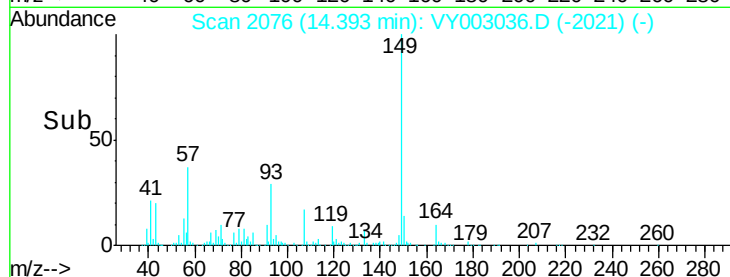
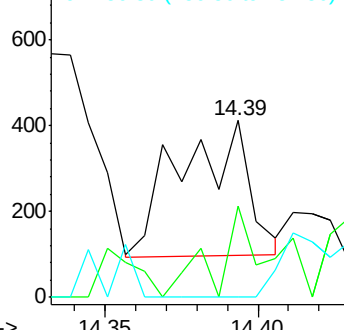
75 100

155 40.7 46.5 139.3#

157 0.0 59.2 177.5#



Abundance Ion 74.90 (74.60 to 75.60): VY003002.D (-2063) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.589 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

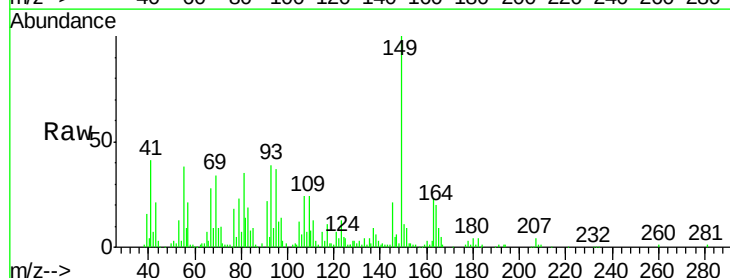
Tgt Ion: 180 Resp: 1433

Ion Ratio Lower Upper

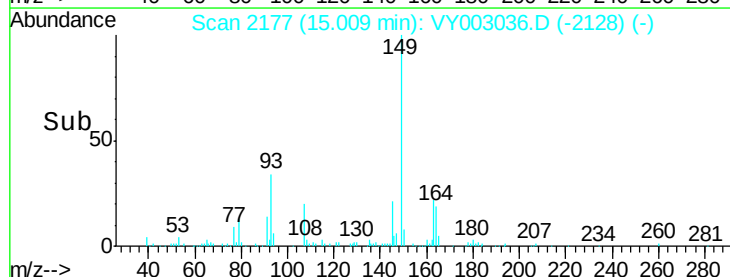
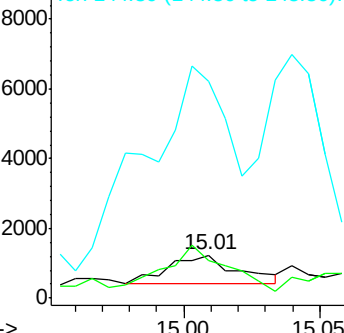
180 100

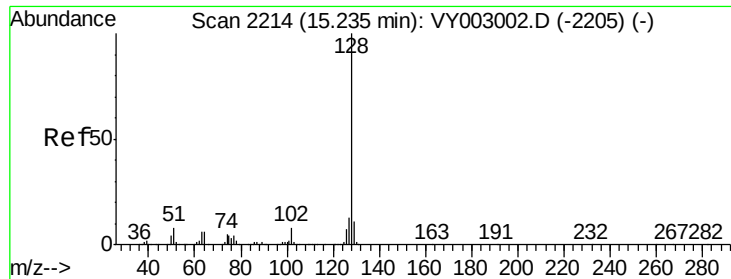
182 143.3 48.1 144.3

145 1060.4 13.9 41.6#



Abundance Ion 179.80 (179.50 to 180.50): VY003002.D (-2168) (-)





#95

Naphthalene

Concen: 68.365 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

72-11982RE

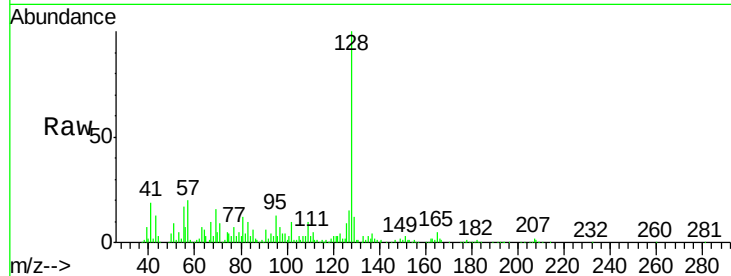
Tot Ion:128 Resp: 112628

Ion Ratio Lower Upper

128 100

127 15.9 10.8 16.2

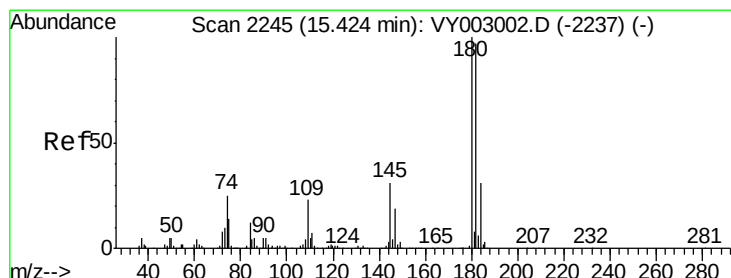
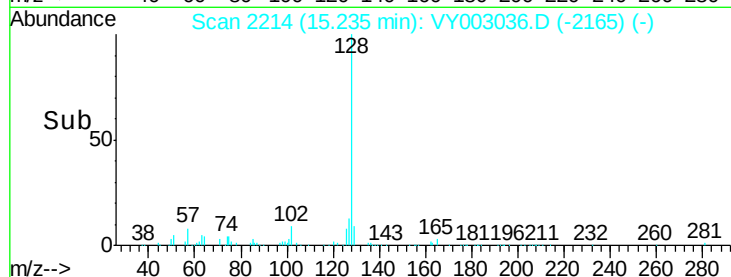
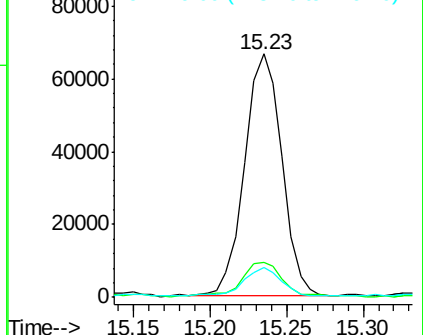
129 11.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.848 ug/l

RT: 15.44 min Scan# 2248

Delta R.T. 0.02 min

Lab File: VY003036.D

Acq: 30 Jun 2020 15:40

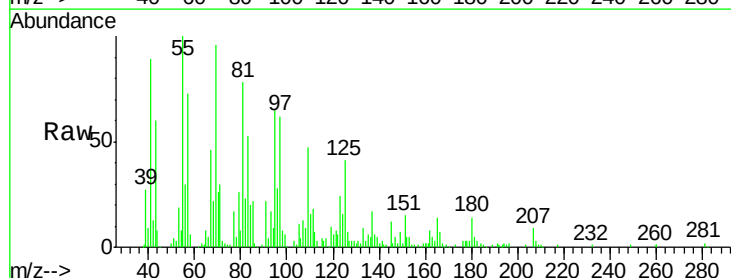
Tgt Ion:180 Resp: 1447

Ion Ratio Lower Upper

180 100

182 21.4 47.8 143.3#

145 0.0 14.7 44.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

