

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
 Data File : VY002727.D
 Acq On : 20 May 2020 13:30
 Operator : SY/MD
 Sample : L2665-01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 21 02:44:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	177233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	274383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	188889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	96222	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	77209	55.69	ug/l	0.00
Spiked Amount			Recovery	=	111.38%	
35) Dibromofluoromethane	7.72	113	82839	54.71	ug/l	0.00
Spiked Amount			Recovery	=	109.42%	
50) Toluene-d8	10.18	98	671703	110.18	ug/l	0.00
Spiked Amount			Recovery	=	220.36%	
62) 4-Bromofluorobenzene	12.47	95	207515	99.03	ug/l	0.00
Spiked Amount			Recovery	=	198.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	11501	81.688	ug/l #	74
13) Acrolein	3.70	56	925	5.602	ug/l #	1
14) Allyl chloride	4.57	41	5297	2.373	ug/l #	61
15) Acrylonitrile	5.25	53	21477	54.590	ug/l #	40
16) Acetone	3.96	43	64082	224.230	ug/l	89
17) Carbon Disulfide	4.21	76	17660	3.622	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	22387	5.806	ug/l #	1
20) Methylene Chloride	4.72	84	3740	2.165	ug/l #	5
23) Vinyl Acetate	6.10	43	4109	1.449	ug/l #	68
25) 2-Butanone	7.00	43	37553	79.419	ug/l #	77
29) Tetrahydrofuran	7.36	42	846	2.630	ug/l #	30
30) Chloroform	7.47	83	20432	7.440	ug/l #	18
31) Cyclohexane	7.79	56	1240141	462.121	ug/l	88
36) 1,1-Dichloropropene	7.80	75	12142	5.227	ug/l #	4
37) Ethyl Acetate	7.00	43	37553	32.871	ug/l #	71
38) Carbon Tetrachloride	7.80	117	15896	6.367	ug/l #	15
39) Methylcyclohexane	9.19	83	5337753	1709.038	ug/l	96
40) Benzene	8.17	78	50744	7.487	ug/l	97
41) Methacrylonitrile	7.36	41	6492	9.458	ug/l #	100
42) 1,2-Dichloroethane	8.29	62	4057	2.270	ug/l #	1
43) Isopropyl Acetate	8.27	43	427671	201.430	ug/l #	50
45) 1,2-Dichloropropane	9.24	63	1816	1.129	ug/l #	1
46) Dibromomethane	9.26	93	1954	2.162	ug/l #	1
47) Bromodichloromethane	9.47	83	143750	65.176	ug/l #	39
48) Methyl methacrylate	9.25	41	249744	255.473	ug/l #	24
49) 1,4-Dioxane	9.20	88	52	4.225	ug/l #	1
51) 4-Methyl-2-Pentanone	10.17	43	238305	217.393	ug/l #	38
52) Toluene	10.25	92	9277	2.115	ug/l #	56
54) cis-1,3-Dichloropropene	9.90	75	4624	1.694	ug/l #	41
55) 1,1,2-Trichloroethane	10.62	97	1180005	877.049	ug/l #	20
56) Ethyl methacrylate	10.52	69	426139	237.915	ug/l #	5
58) 2-Chloroethyl Vinyl ether	9.91	63	5421	6.131	ug/l	94
59) 2-Hexanone	10.80	43	2370171	3103.465	ug/l #	25
60) Dibromochloromethane	10.91	129	4492	2.613	ug/l	83

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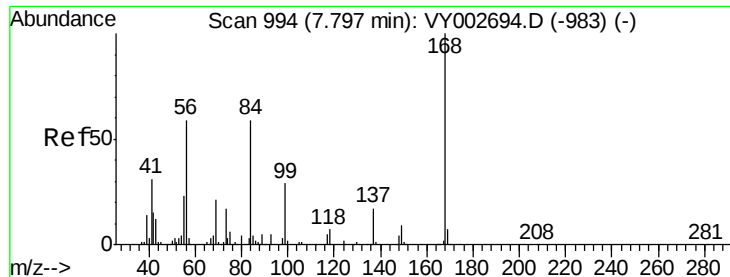
Instrument :
 MSVOA_Y
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

61) 1,2-Dibromoethane	11.06	107	2212	1.669	ug/l #	1
65) Chlorobenzene	11.53	112	5321	1.458	ug/l #	42
67) Ethyl Benzene	11.60	91	516066	80.525	ug/l	100
68) m/p-Xylenes	11.70	106	211943	85.004	ug/l	94
69) o-Xylene	12.03	106	161319	68.934	ug/l	93
70) Styrene	12.03	104	8981	2.235	ug/l #	1
73) Isopropylbenzene	12.33	105	514975	81.906	ug/l	99
74) N-amyl acetate	12.13	43	1397270	947.057	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.56	83	90493	97.740	ug/l #	85
76) 1,2,3-Trichloropropane	12.65	75	2802	3.545	ug/l #	100
78) n-propylbenzene	12.67	91	690126	94.356	ug/l	98
79) 2-Chlorotoluene	12.74	91	32695	8.060	ug/l	76
80) 1,3,5-Trimethylbenzene	12.81	105	698565	132.230	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	1498	3.584	ug/l #	1
82) 4-Chlorotoluene	12.81	91	89286	21.012	ug/l	81
83) tert-Butylbenzene	13.31	119	152099	32.531	ug/l	77
84) 1,2,4-Trimethylbenzene	13.12	105	1870047	354.191	ug/l	99
85) sec-Butylbenzene	13.25	105	405529	62.856	ug/l #	74
86) p-Isopropyltoluene	13.37	119	529407	87.664	ug/l	93
87) 1,3-Dichlorobenzene	13.37	146	4060	1.340	ug/l #	1
88) 1,4-Dichlorobenzene	13.44	146	7369	2.442	ug/l #	1
89) n-Butylbenzene	13.70	91	411435	74.188	ug/l #	69
90) Hexachloroethane	13.97	117	86891	77.683	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.45	75	1310	7.378	ug/l	73
93) 1,2,4-Trichlorobenzene	15.01	180	5147	Below Cal	#	1
95) Naphthalene	15.23	128	477005	127.427	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.39	180	19725	9.052	ug/l #	1

(#) = 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: VY002727.D

Acq: 20 May 2020 13:30

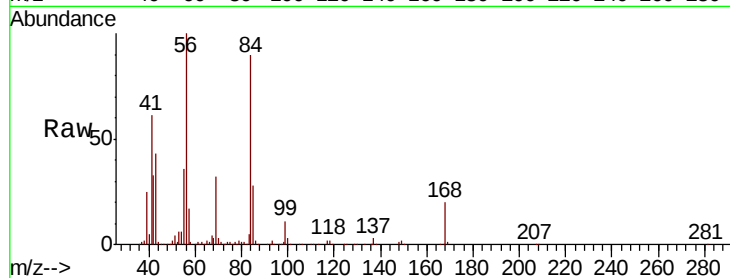
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 177233

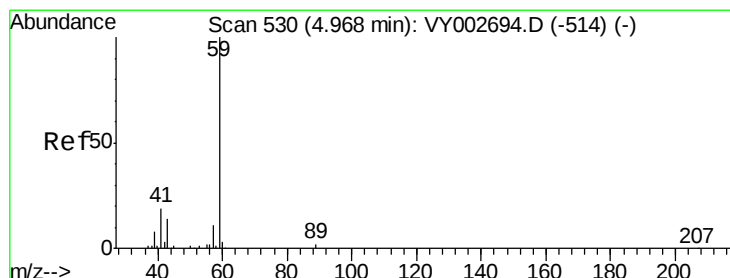
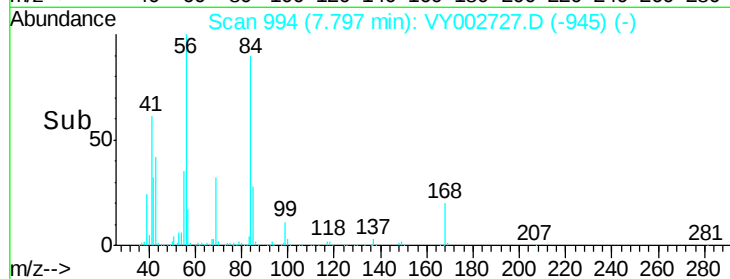
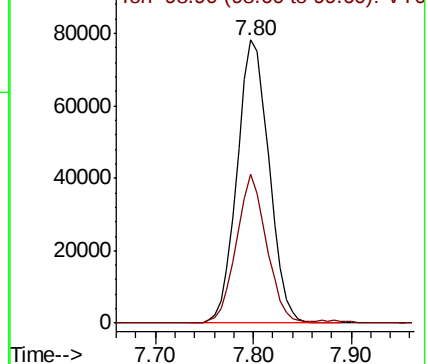
Ion Ratio Lower Upper

168 100

99 52.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002727.D (-945) (-)



#11

Tert butyl alcohol

Concen: 81.688 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002727.D

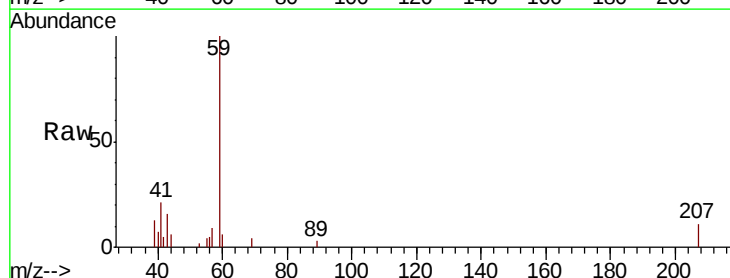
Acq: 20 May 2020 13:30

Tgt Ion: 59 Resp: 11501

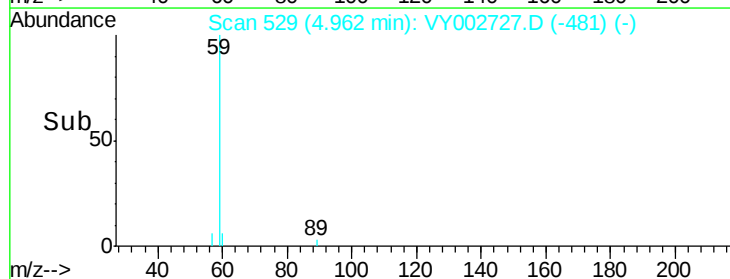
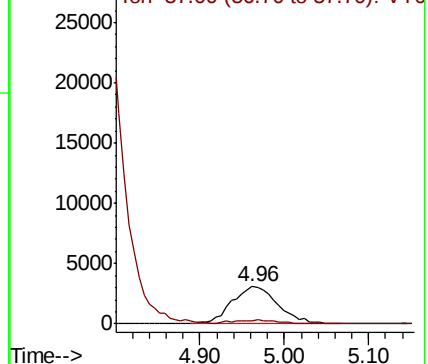
Ion Ratio Lower Upper

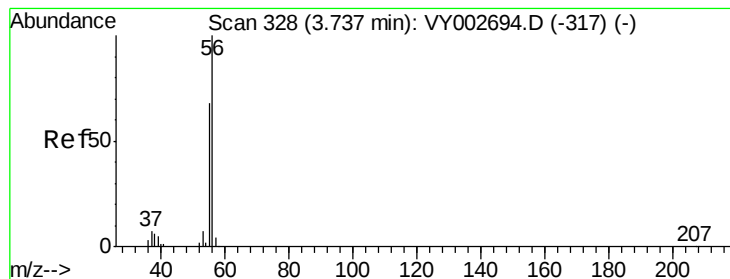
59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002727.D (-481) (-)





#13

Acrolein

Concen: 5.602 ug/l

RT: 3.70 min Scan# 322

Delta R.T. -0.04 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

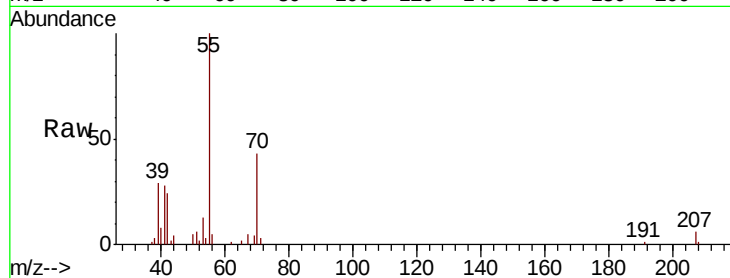
ClientSampleId :

Tot Ion: 56 Resp: 925

Ion Ratio Lower Upper

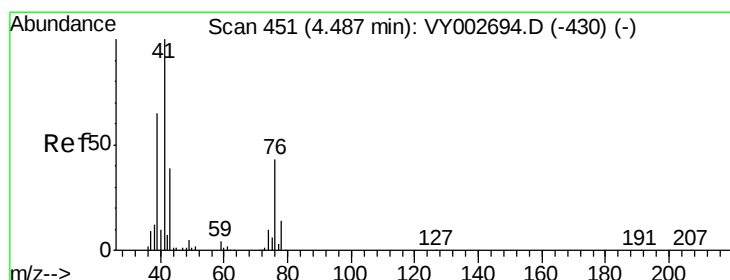
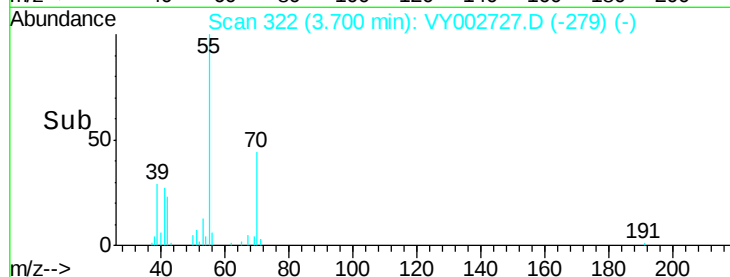
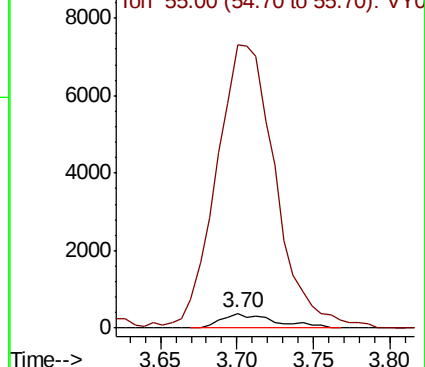
56 100

55 2127.2 54.8 82.2#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 2.373 ug/l

RT: 4.57 min Scan# 465

Delta R.T. 0.09 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

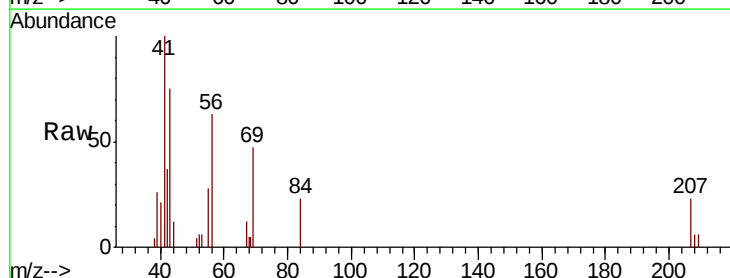
Tgt Ion: 41 Resp: 5297

Ion Ratio Lower Upper

41 100

39 46.9 50.3 75.5#

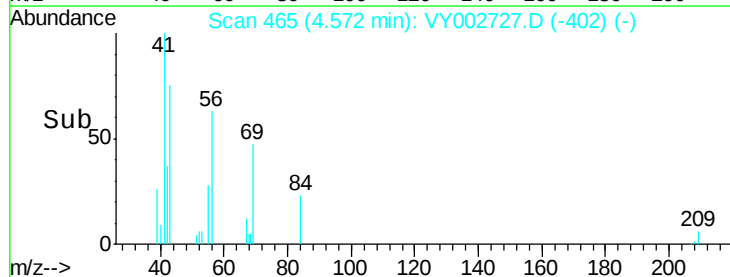
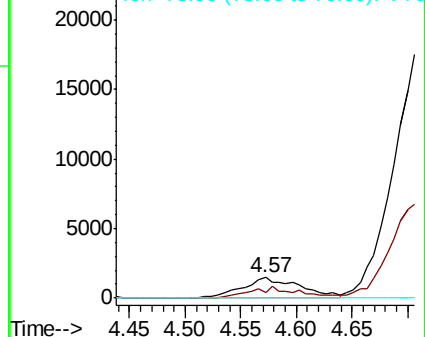
76 0.0 33.2 49.8#

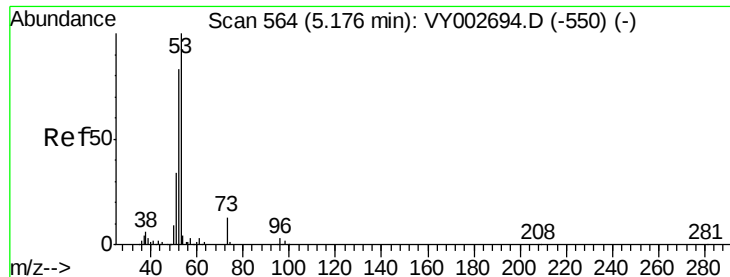


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 54.590 ug/l

RT: 5.25 min Scan# 576

Delta R.T. 0.07 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

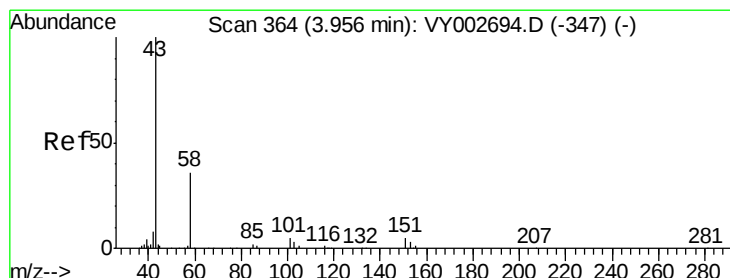
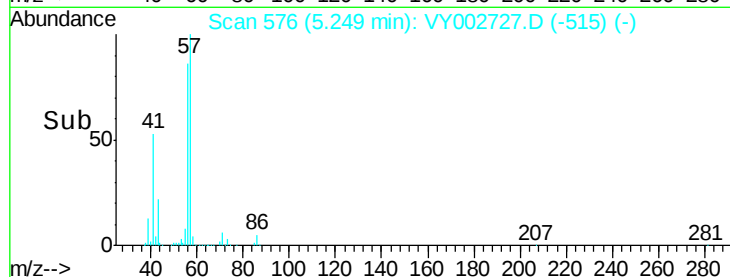
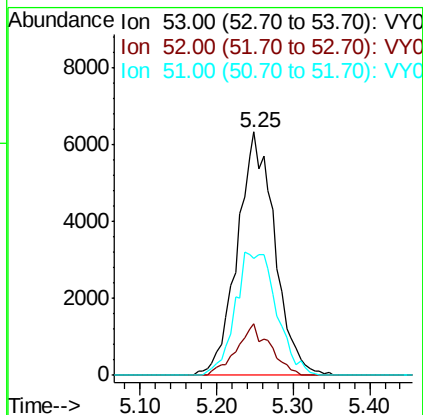
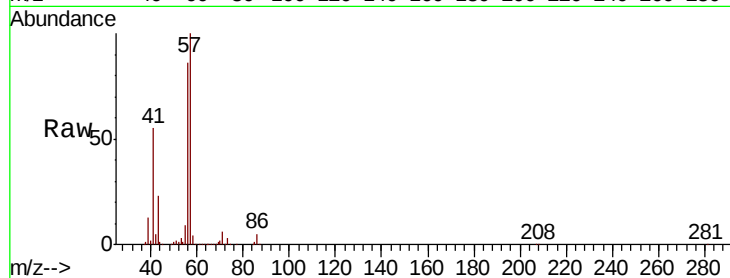
Tot Ion: 53 Resp: 21477

Ion Ratio Lower Upper

53 100

52 19.0 65.0 97.6#

51 55.7 27.9 41.9#



#16

Acetone

Concen: 224.230 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002727.D

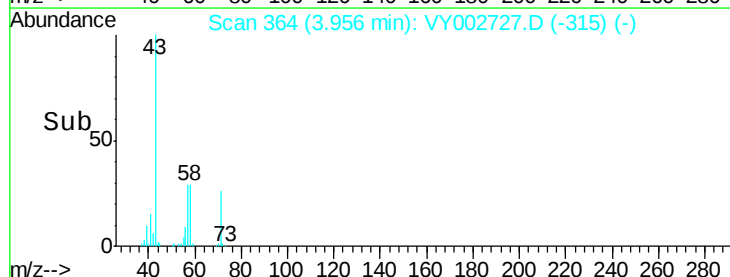
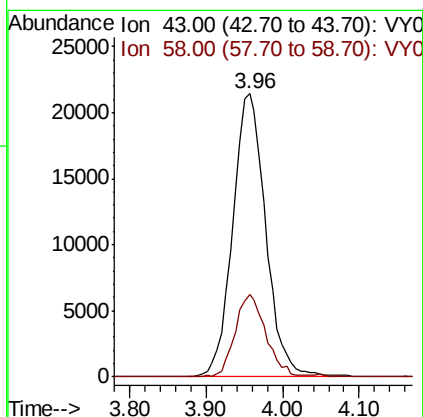
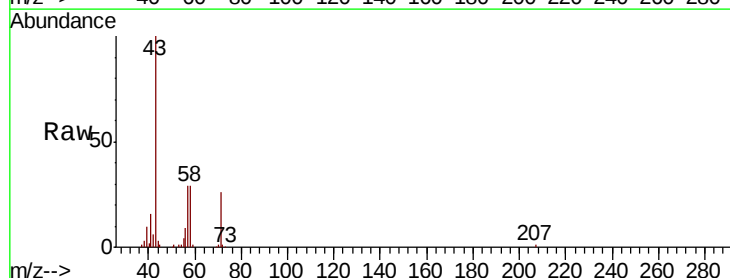
Acq: 20 May 2020 13:30

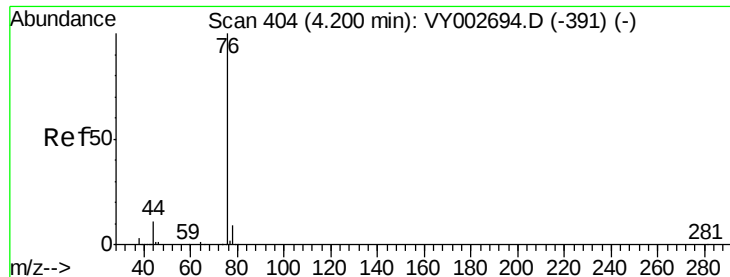
Tgt Ion: 43 Resp: 64082

Ion Ratio Lower Upper

43 100

58 29.1 28.6 43.0

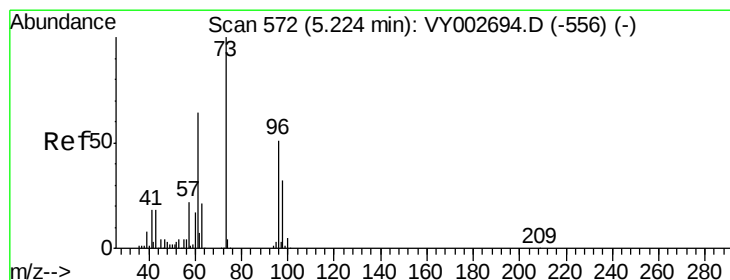
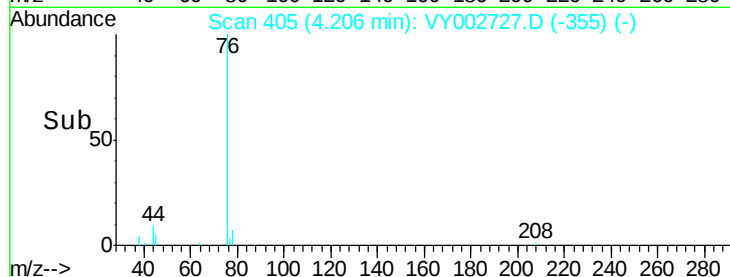
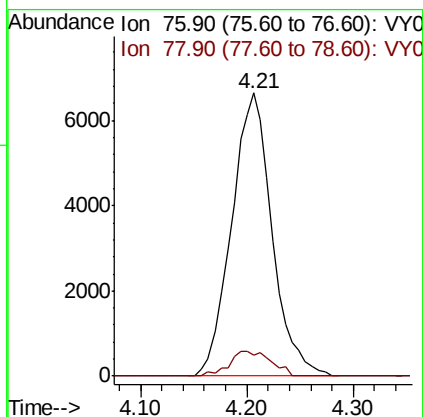
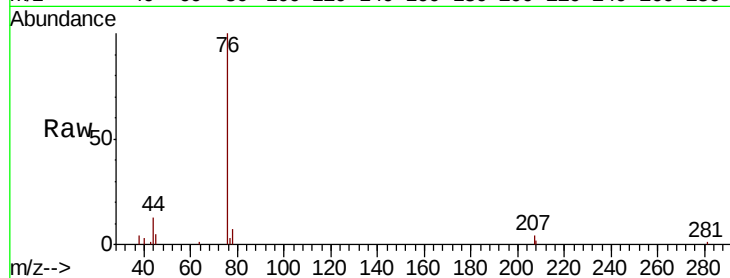




#17
Carbon Disulfide
Concen: 3.622 ug/l
RT: 4.21 min Scan# 405
Delta R.T. 0.01 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

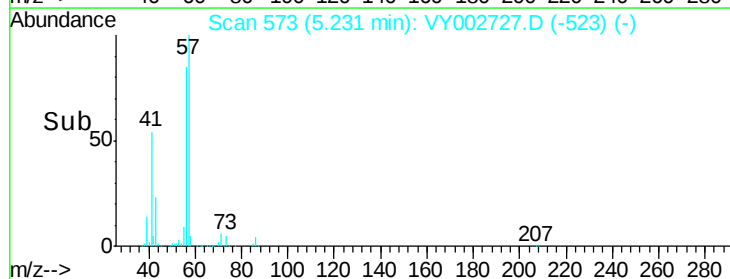
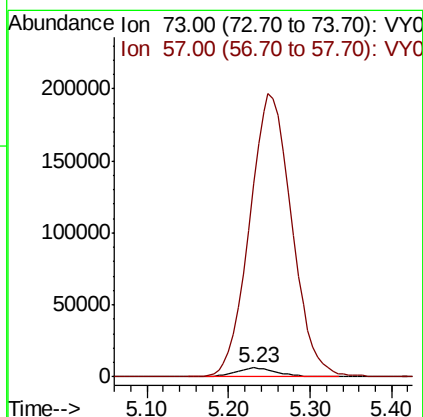
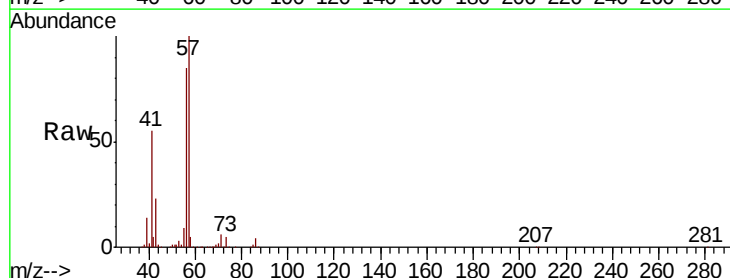
Instrument :
MSVOA_Y
ClientSampled :

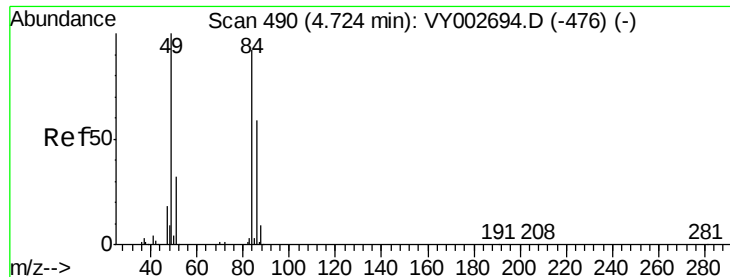
Tot Ion: 76 Resp: 17660
Ion Ratio Lower Upper
76 100
78 7.3 7.1 10.7



#19
Methyl tert-butyl Ether
Concen: 5.806 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Tgt Ion: 73 Resp: 22387
Ion Ratio Lower Upper
73 100
57 2095.7 17.3 25.9#





#20

Methylene Chloride

Concen: 2.165 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 3740

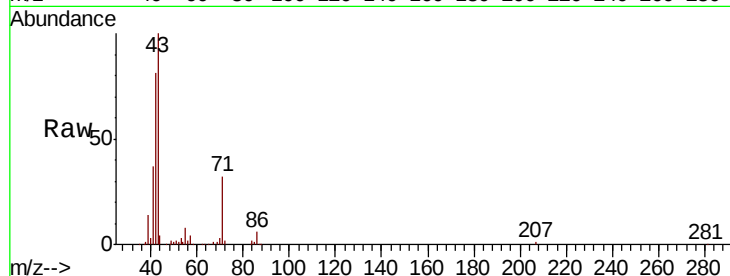
Ion Ratio Lower Upper

84 100

49 86.9 87.4 131.0#

51 80.6 27.9 41.9#

86 243.3 51.7 77.5#

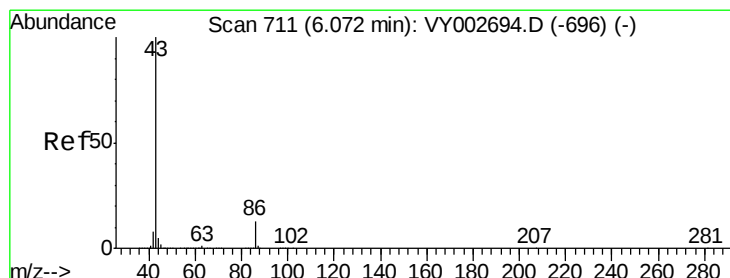
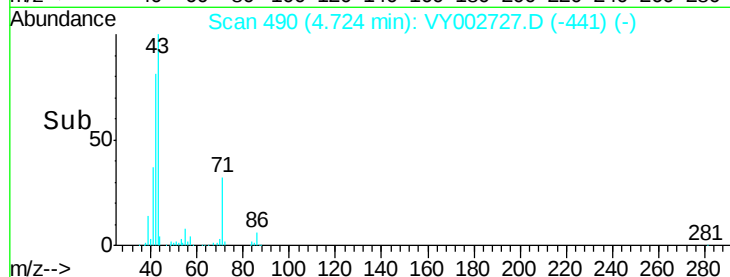
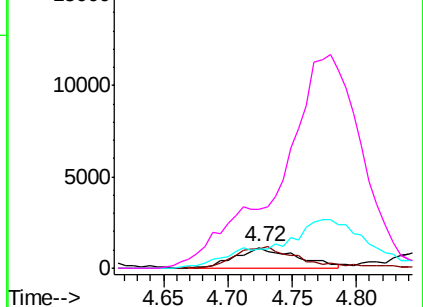


Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#23

Vinyl Acetate

Concen: 1.449 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.03 min

Lab File: VY002727.D

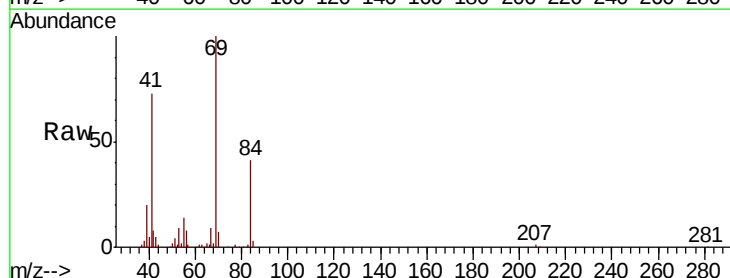
Acq: 20 May 2020 13:30

Tgt Ion: 43 Resp: 4109

Ion Ratio Lower Upper

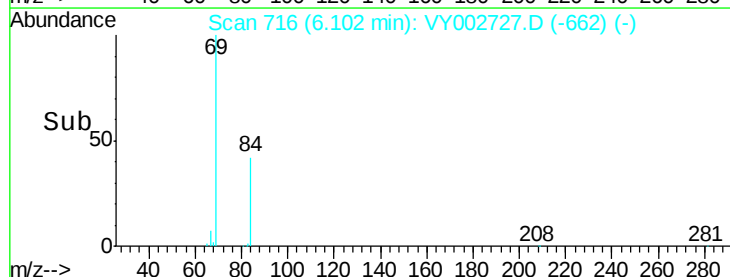
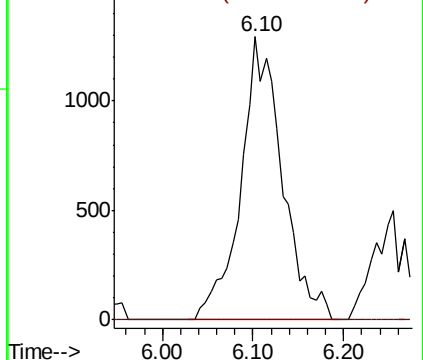
43 100

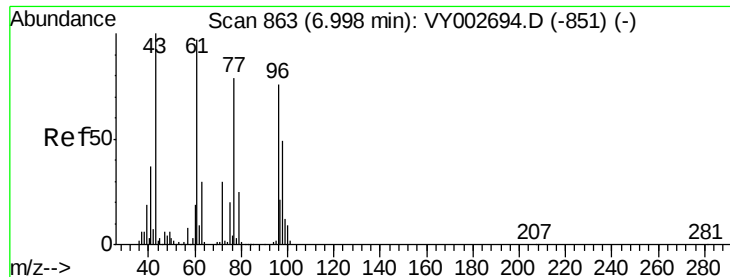
86 0.0 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

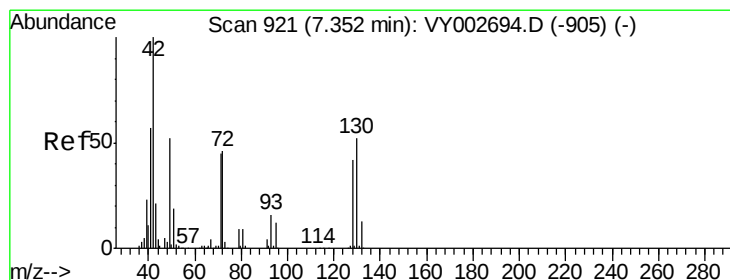
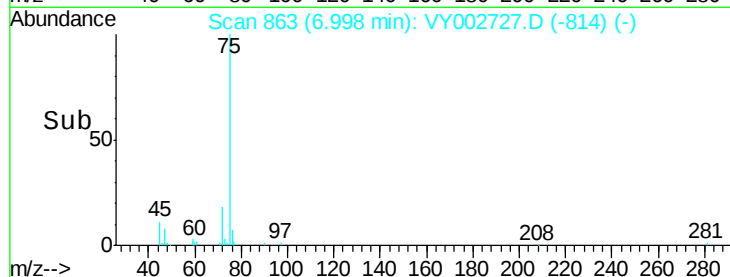
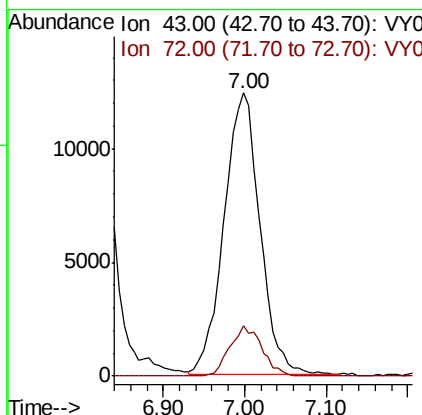
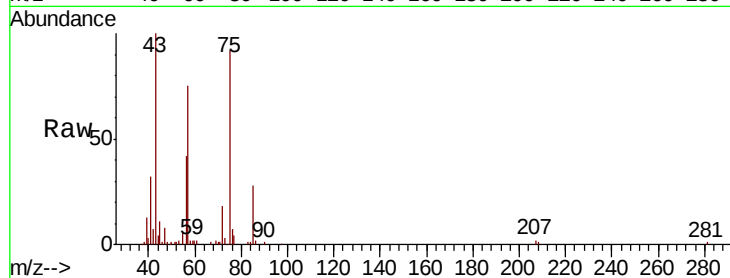




#25
2-Butanone
Concen: 79.419 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

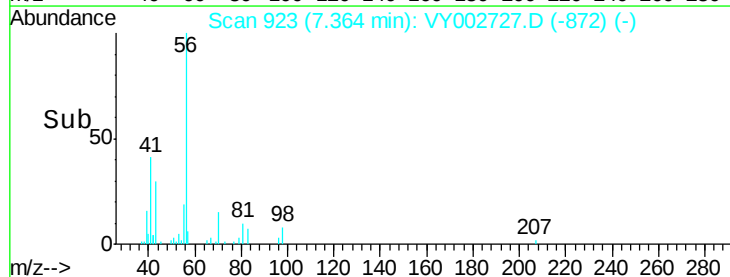
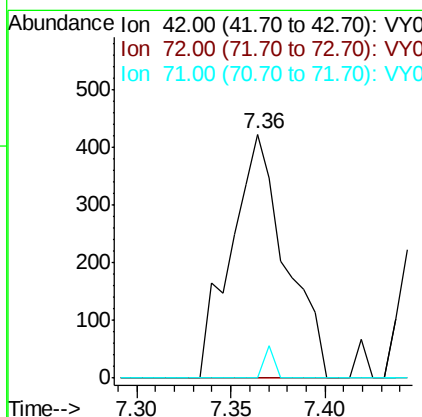
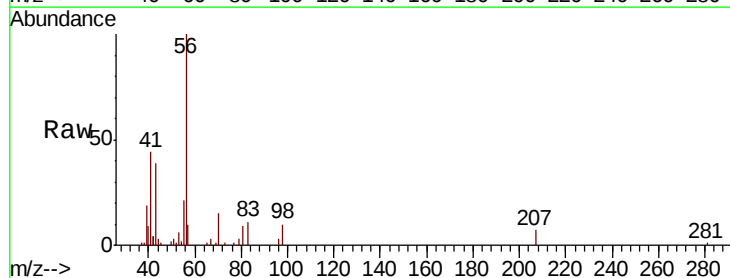
Instrument :
MSVOA_Y
ClientSampled :

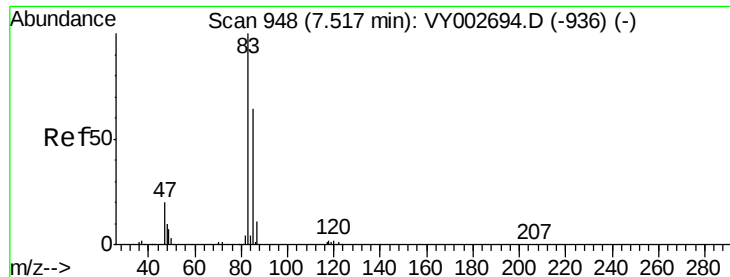
Tot Ion: 43 Resp: 37553
Ion Ratio Lower Upper
43 100
72 17.9 24.1 36.1#



#29
Tetrahydrofuran
Concen: 2.630 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Tgt Ion: 42 Resp: 846
Ion Ratio Lower Upper
42 100
72 0.0 38.2 57.2#
71 0.0 35.8 53.8#





#30

Chloroform

Concen: 7.440 ug/l

RT: 7.47 min Scan# 941

Delta R.T. -0.04 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

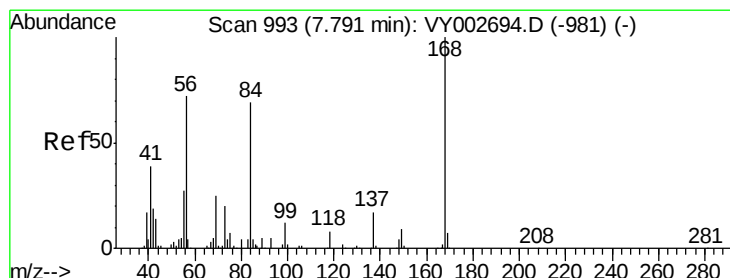
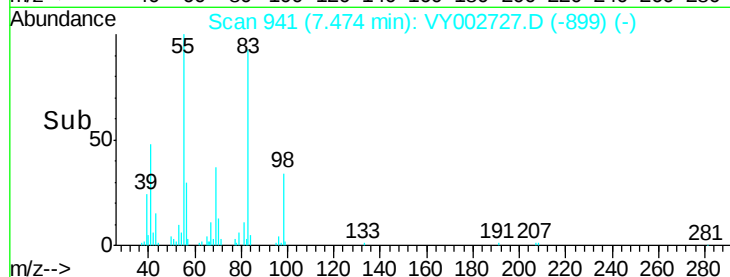
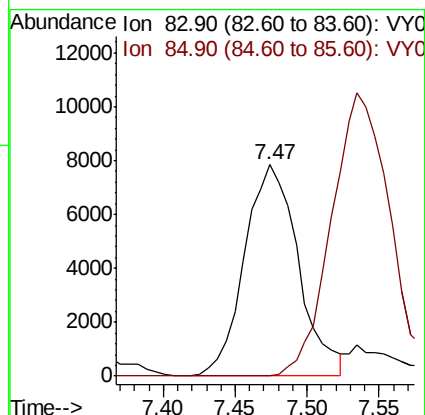
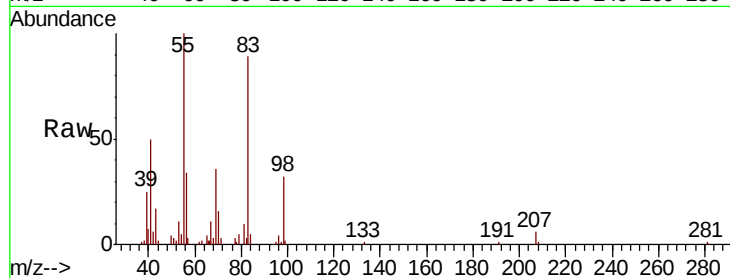
ClientSampleId :

Tot Ion: 83 Resp: 20432

Ion Ratio Lower Upper

83 100

85 0.0 51.5 77.3#



#31

Cyclohexane

Concen: 462.121 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

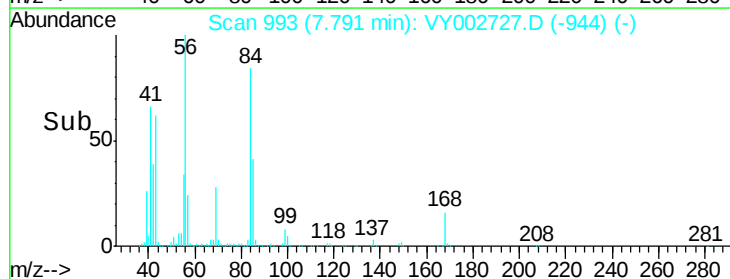
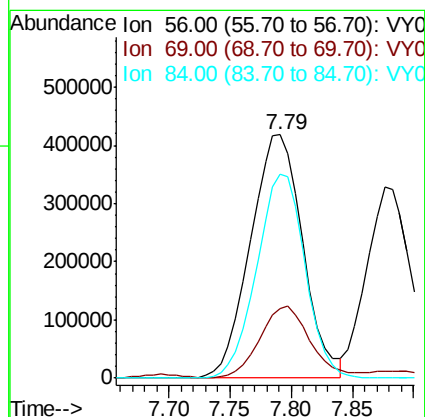
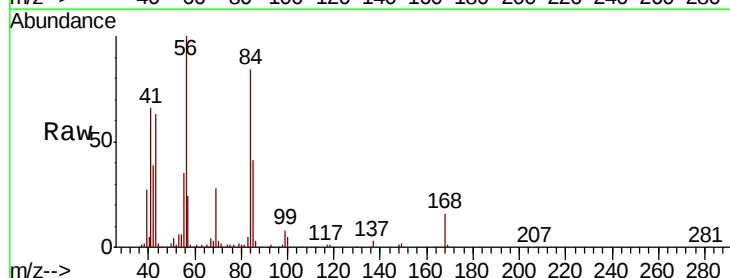
Tgt Ion: 56 Resp: 1240141

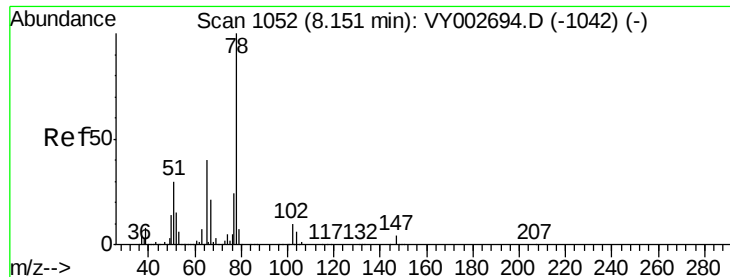
Ion Ratio Lower Upper

56 100

69 27.8 27.7 41.5

84 83.8 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 55.693 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

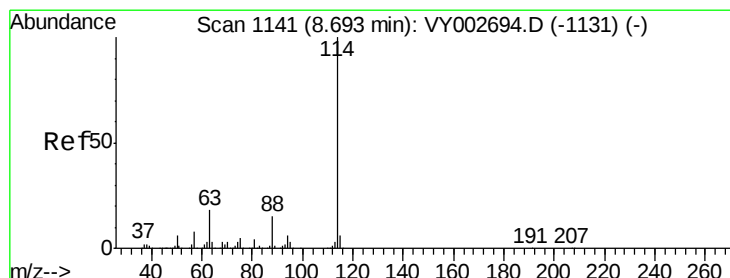
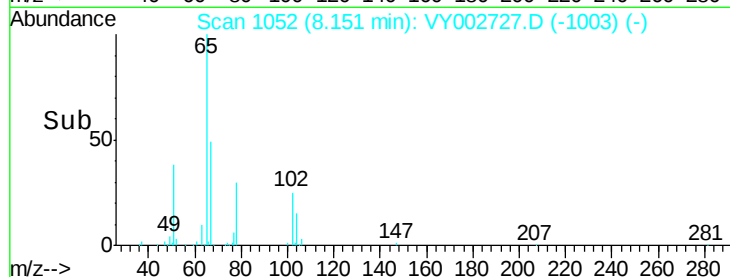
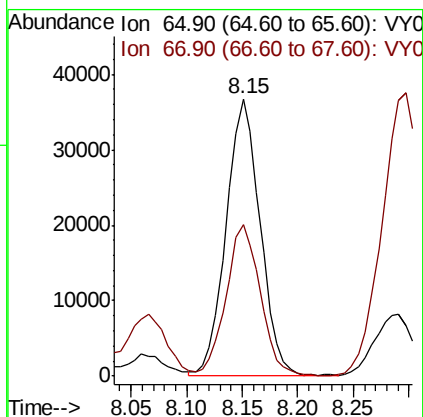
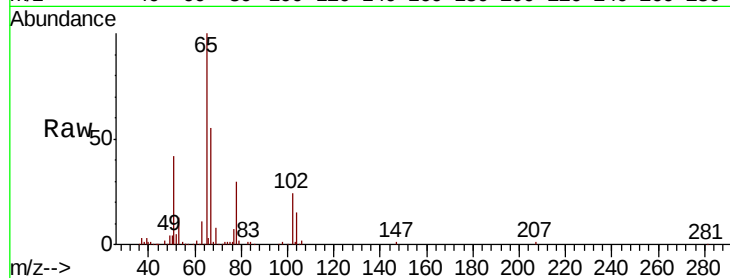
ClientSampleId :

Tot Ion: 65 Resp: 77209

Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

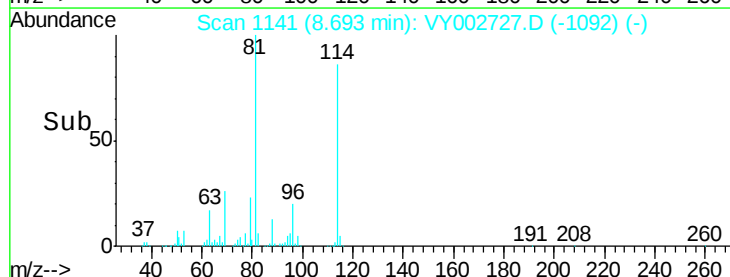
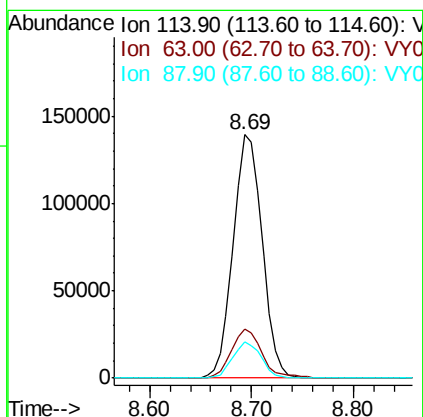
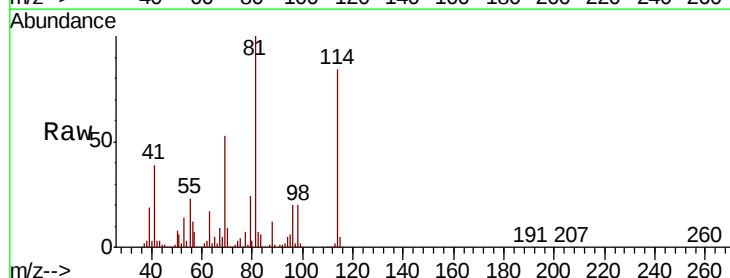
Tgt Ion: 114 Resp: 274383

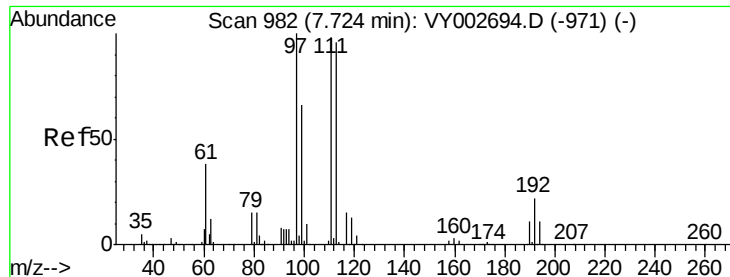
Ion Ratio Lower Upper

114 100

63 20.1 0.0 35.4

88 14.7 0.0 29.4

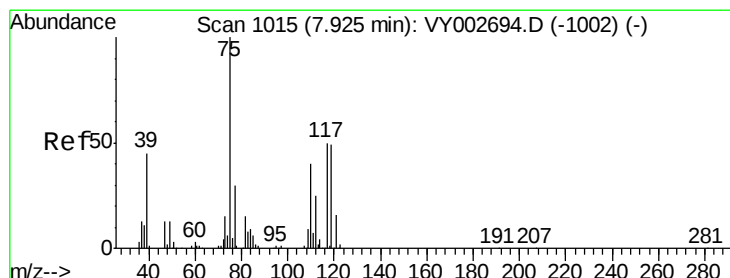
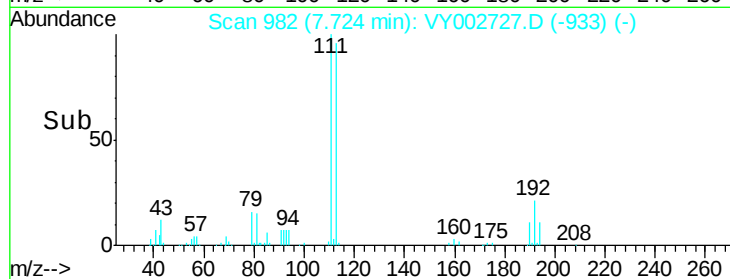
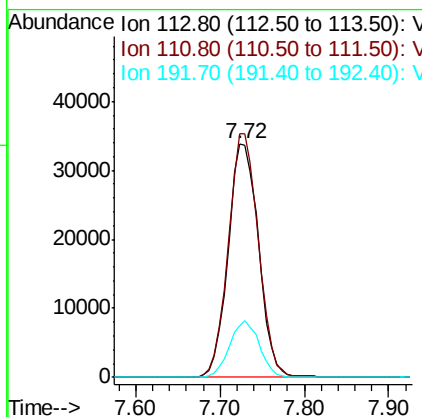
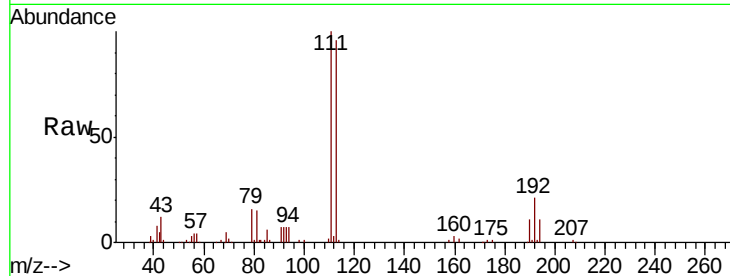




#35
 Dibromofluoromethane
 Concen: 54.706 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY002727.D
 Acq: 20 May 2020 13:30

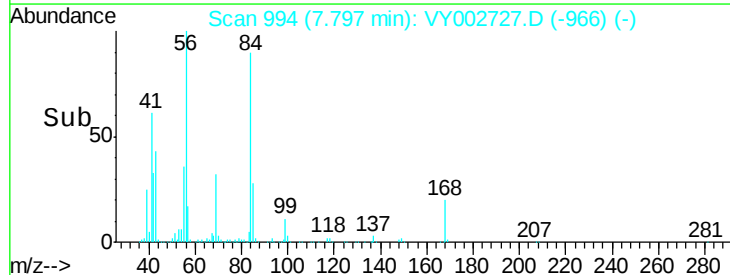
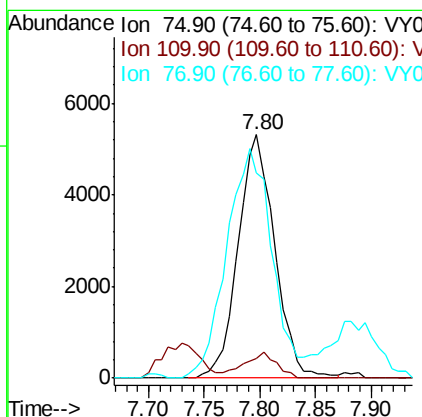
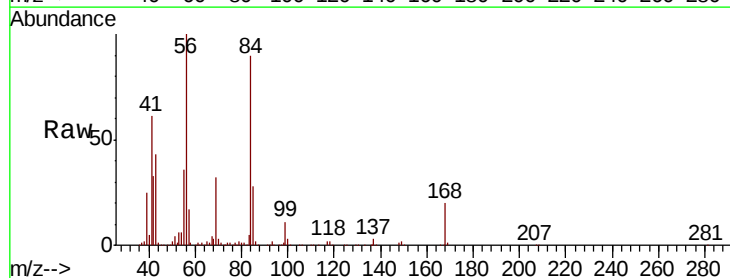
Instrument :
 MSVOA_Y
 ClientSampleId :

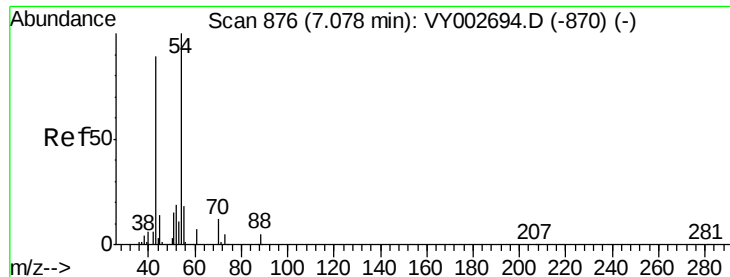
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.9	122.9
192	23.6	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 5.227 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002727.D
 Acq: 20 May 2020 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.4	58.4#
77	116.8	25.0	37.4#

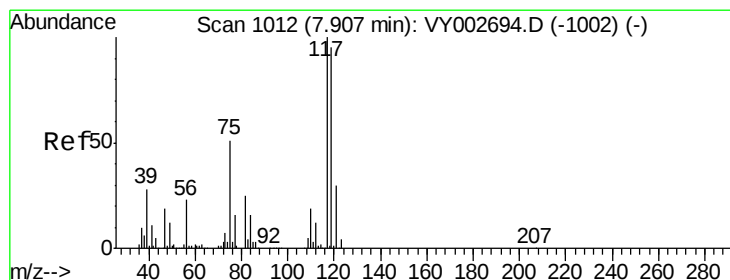
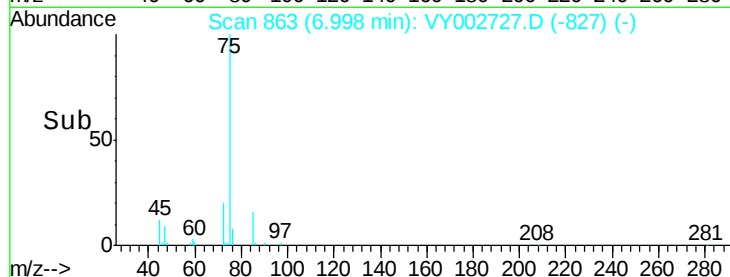
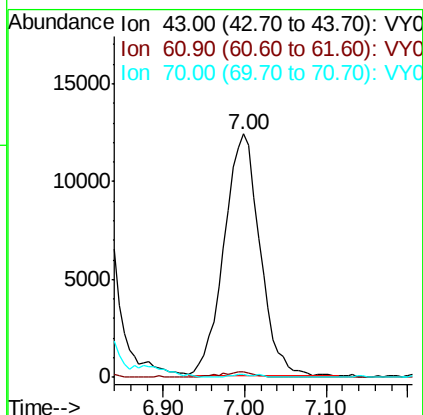
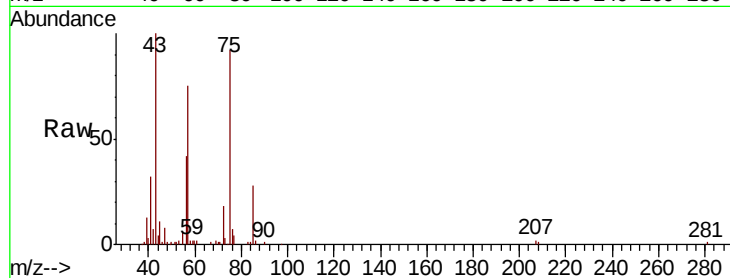




#37
Ethyl Acetate
Concen: 32.871 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.08 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

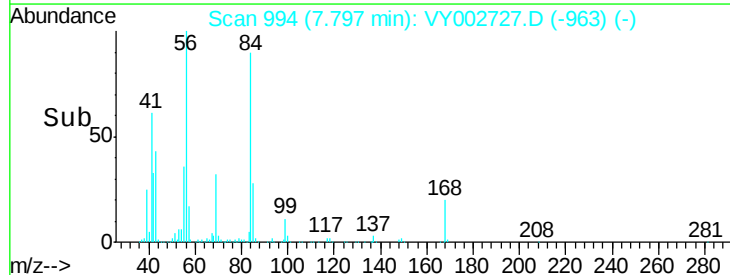
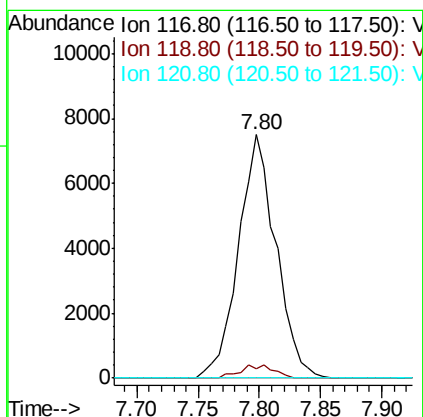
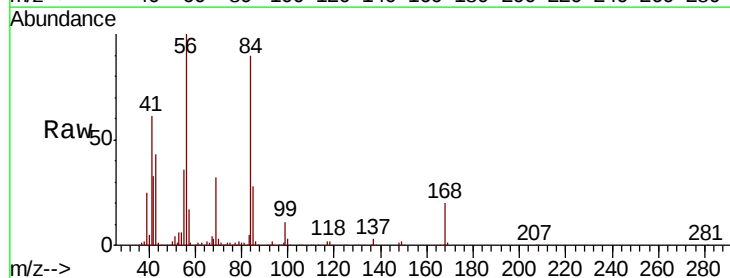
Instrument :
MSVOA_Y
ClientSampleId :

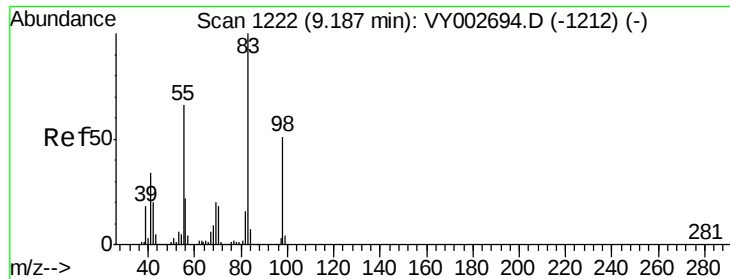
Tot Ion: 43 Resp: 37553
Ion Ratio Lower Upper
43 100
61 2.0 11.8 17.8#
70 0.9 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 6.367 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Tgt Ion: 117 Resp: 15896
Ion Ratio Lower Upper
117 100
119 3.8 76.3 114.5#
121 0.0 24.2 36.2#

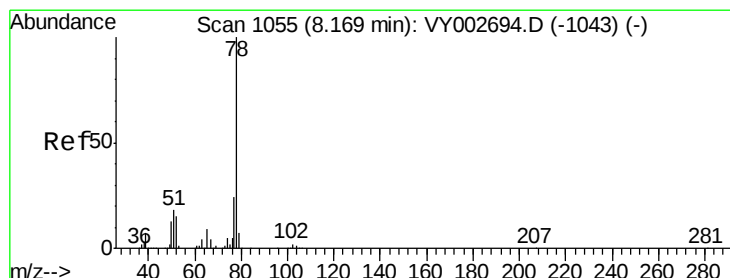
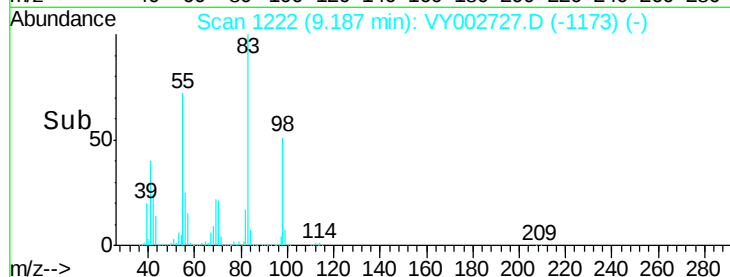
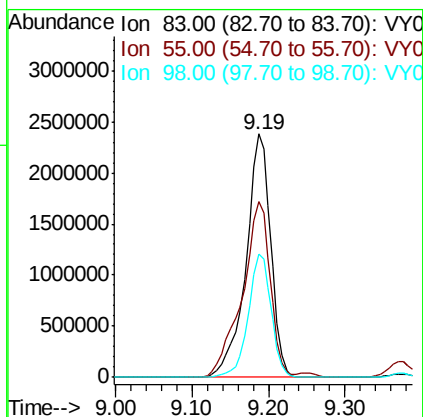
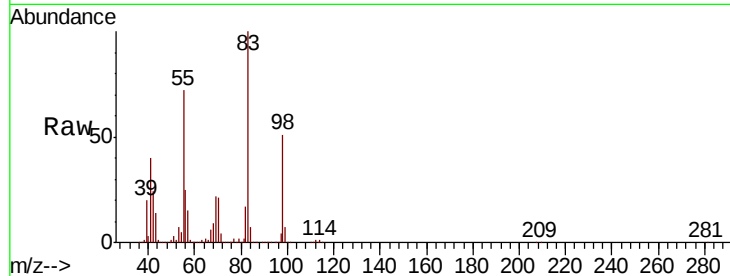




#39
Methvlcvclohexane
Concen: 1709.038 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

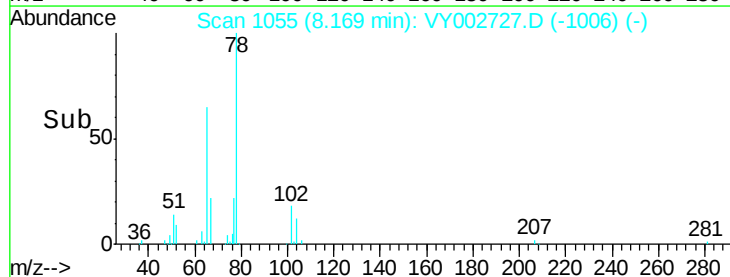
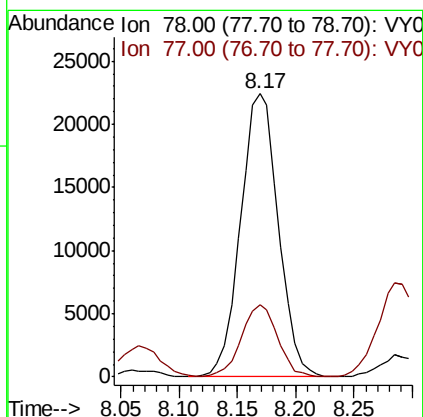
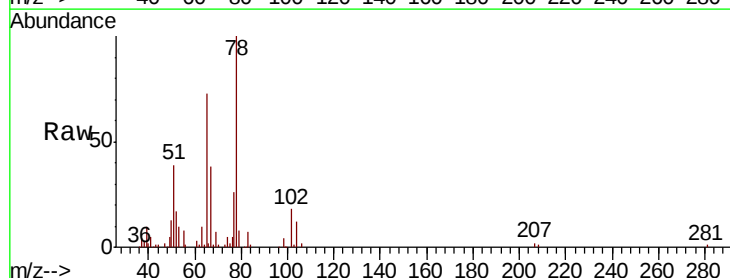
Instrument :
MSVOA_Y
ClientSampleId :

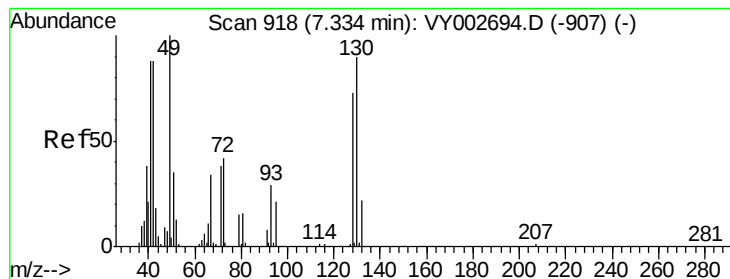
Tot Ion: 83 Resp: 5337753
Ion Ratio Lower Upper
83 100
55 72.1 53.0 79.6
98 50.9 40.8 61.2



#40
Benzene
Concen: 7.487 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Tgt Ion: 78 Resp: 50744
Ion Ratio Lower Upper
78 100
77 25.5 19.2 28.8





#41

Methacrylonitrile

Concen: 9.458 ug/l

RT: 7.36 min Scan# 923

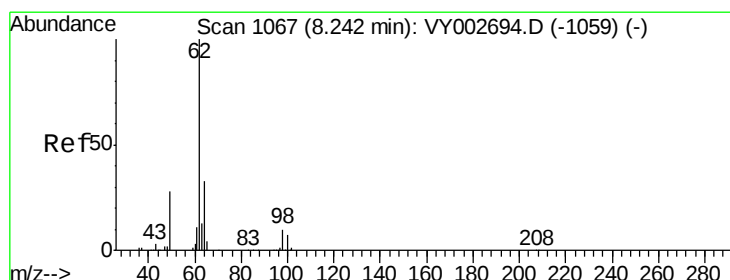
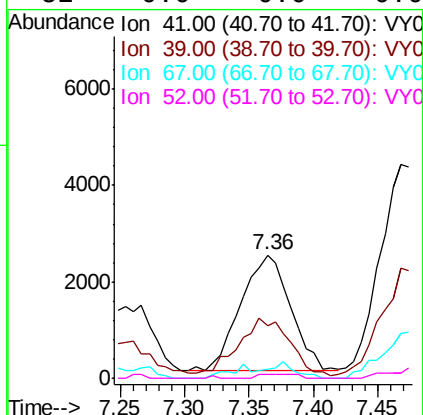
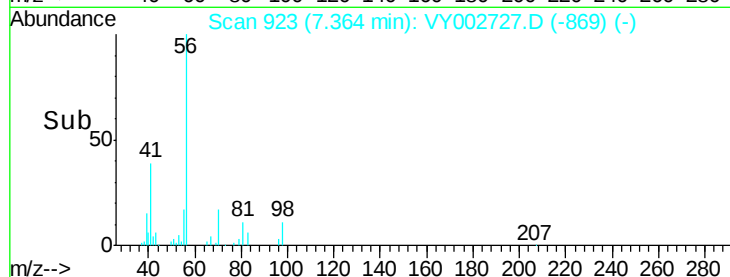
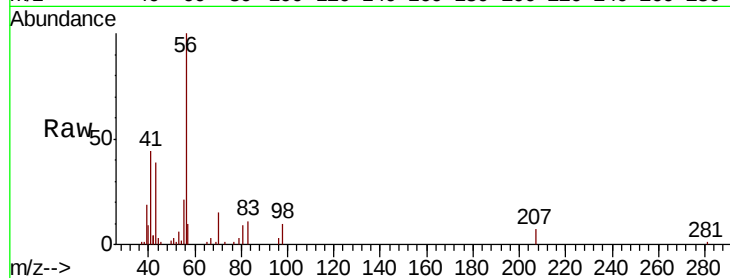
Delta R.T. 0.03 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	41	Resp:	6492
Ion	Ratio	Lower	Upper
41	100		
39	49.7	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42

1,2-Dichloroethane

Concen: 2.270 ug/l

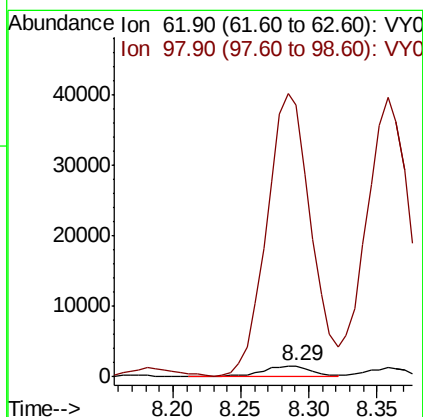
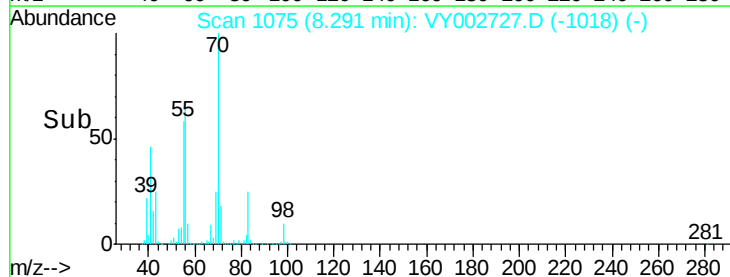
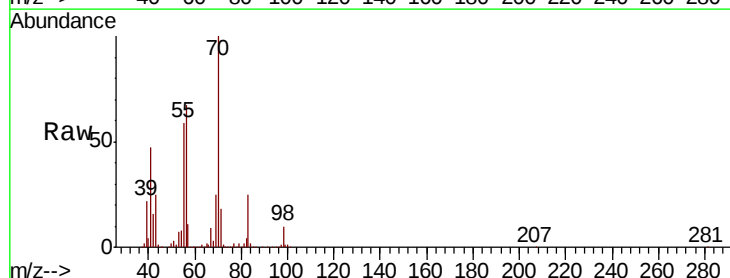
RT: 8.29 min Scan# 1075

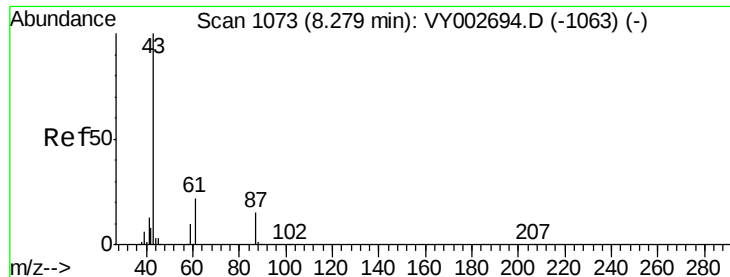
Delta R.T. 0.05 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Tgt Ion:	62	Resp:	4057
Ion	Ratio	Lower	Upper
62	100		
98	2236.4	0.0	21.8#





#43

Isopropyl Acetate

Concen: 201.430 ug/l

RT: 8.27 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

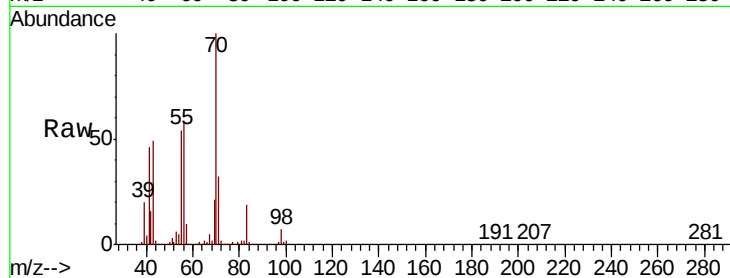
Tot Ion: 43 Resp: 427671

Ion Ratio Lower Upper

43 100

61 0.3 24.9 37.3#

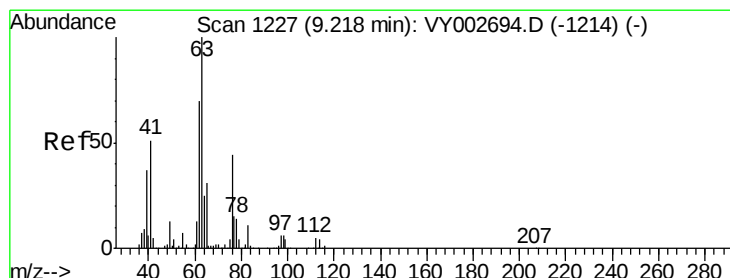
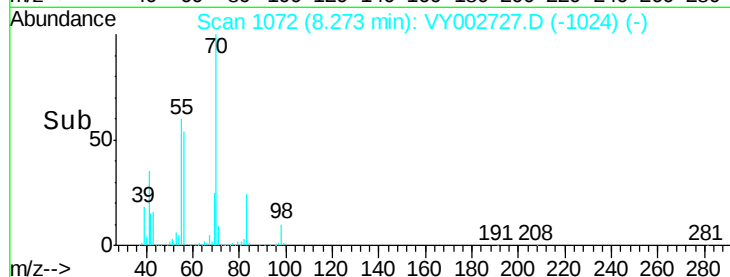
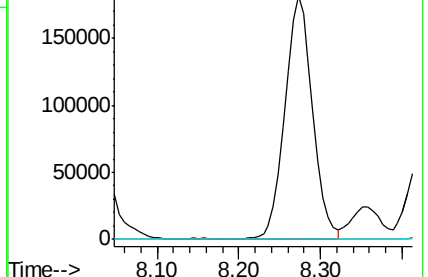
87 0.0 12.6 19.0#



Abundance Ion 43.00 (42.70 to 43.70): VY002727.D (-1072) (-)

Ion 61.00 (60.70 to 61.70): VY002727.D (-1072) (-)

Ion 87.00 (86.70 to 87.70): VY002727.D (-1072) (-)



#45

1,2-Dichloropropane

Concen: 1.129 ug/l

RT: 9.24 min Scan# 1231

Delta R.T. 0.02 min

Lab File: VY002727.D

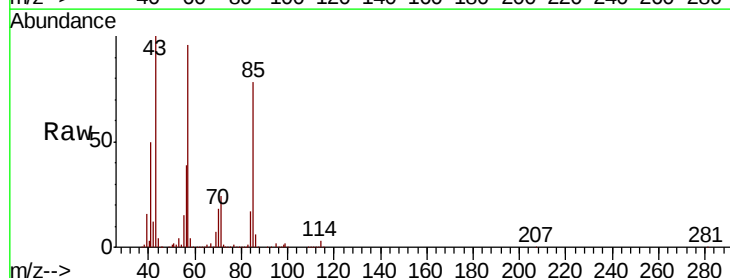
Acq: 20 May 2020 13:30

Tgt Ion: 63 Resp: 1816

Ion Ratio Lower Upper

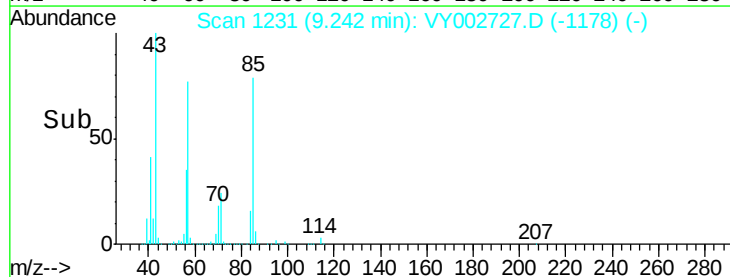
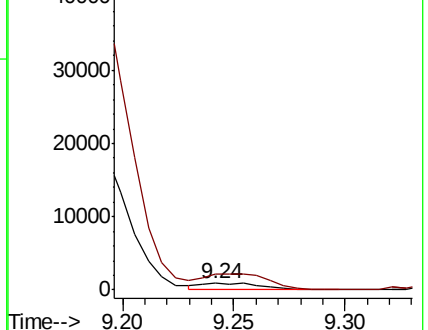
63 100

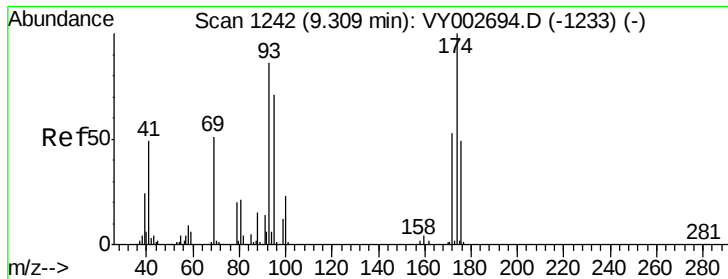
65 224.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VY002727.D (-1231) (-)

Ion 64.90 (64.60 to 65.60): VY002727.D (-1231) (-)





#46

Dibromomethane

Concen: 2.162 ug/l

RT: 9.26 min Scan# 1234

Delta R.T. -0.05 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

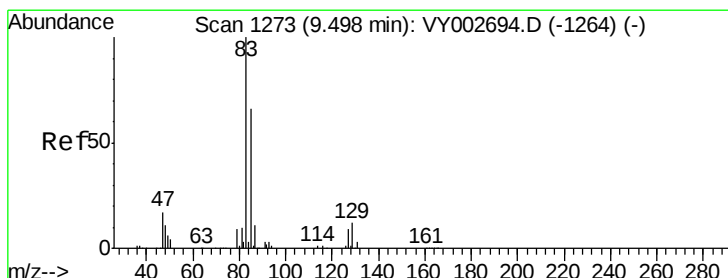
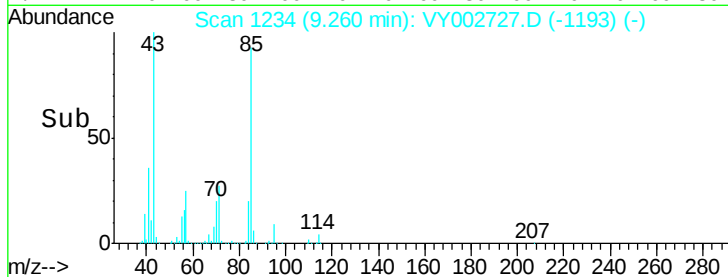
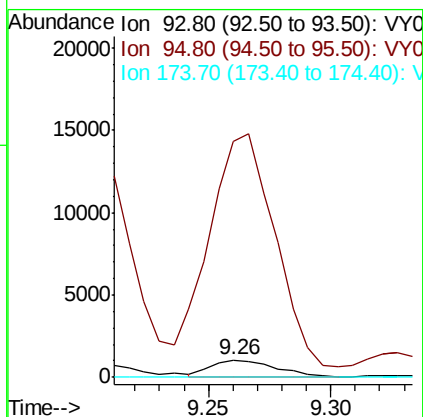
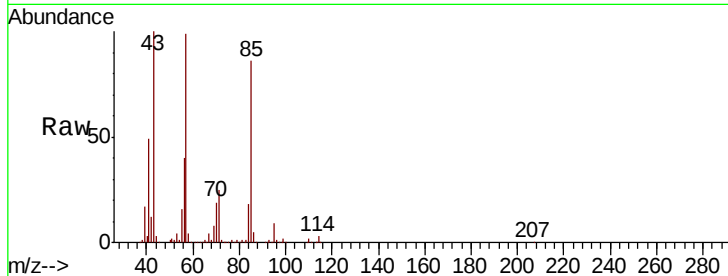
Tot Ion: 93 Resp: 1954

Ion Ratio Lower Upper

93 100

95 1348.3 66.5 99.7#

174 0.0 95.6 143.4#



#47

Bromodichloromethane

Concen: 65.176 ug/l

RT: 9.47 min Scan# 1268

Delta R.T. -0.03 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

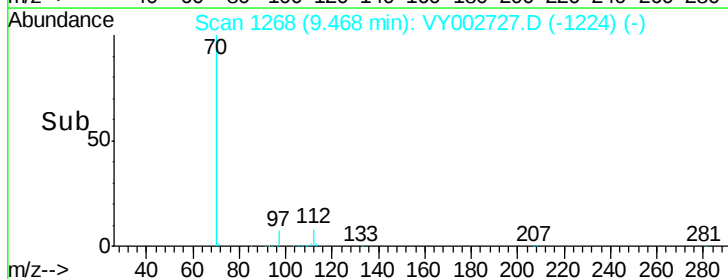
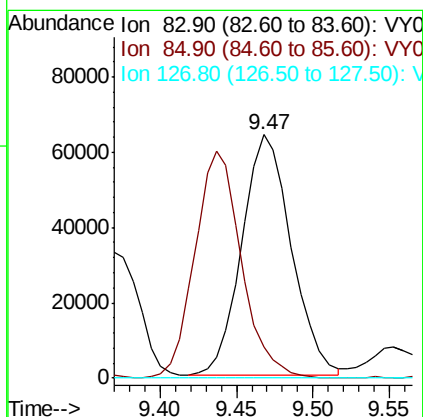
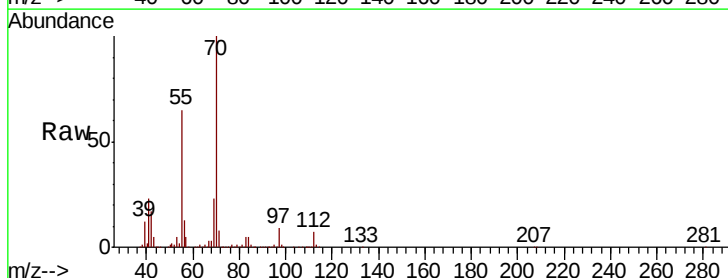
Tgt Ion: 83 Resp: 143750

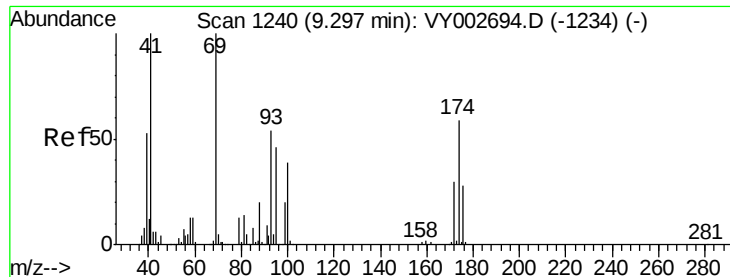
Ion Ratio Lower Upper

83 100

85 12.8 52.4 78.6#

127 0.0 7.6 11.4#

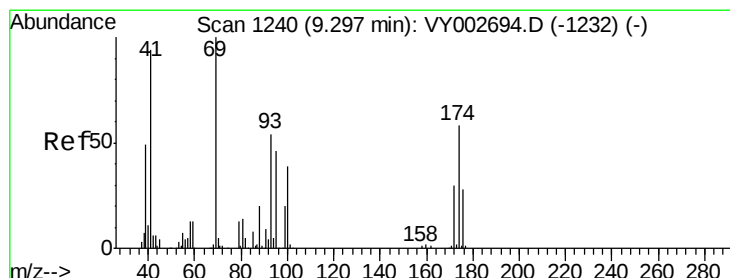
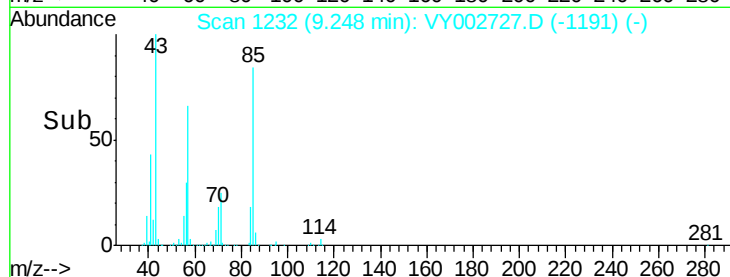
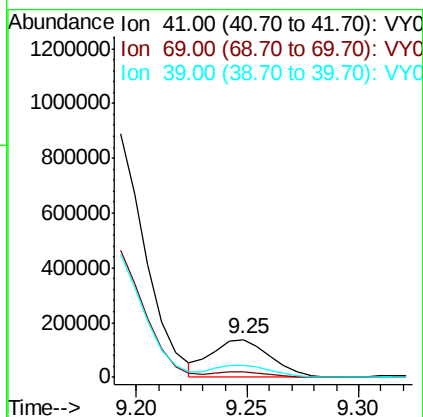
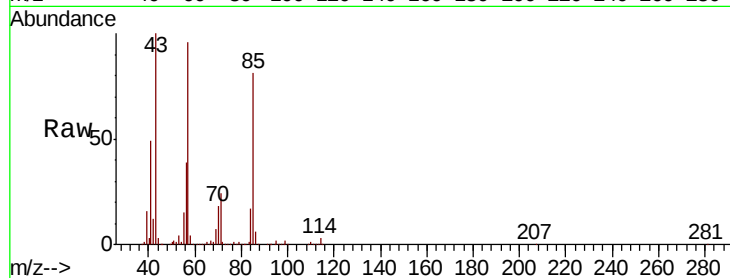




#48
Methvl methacrylate
Concen: 255.473 ug/l
RT: 9.25 min Scan# 1232
Delta R.T. -0.05 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

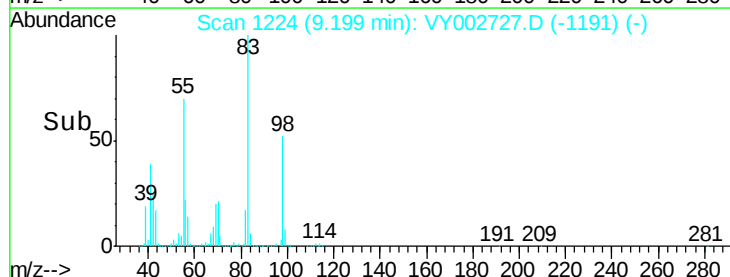
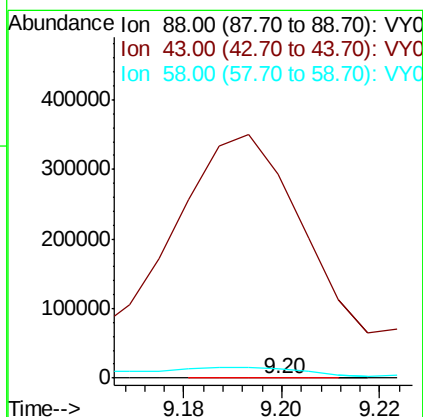
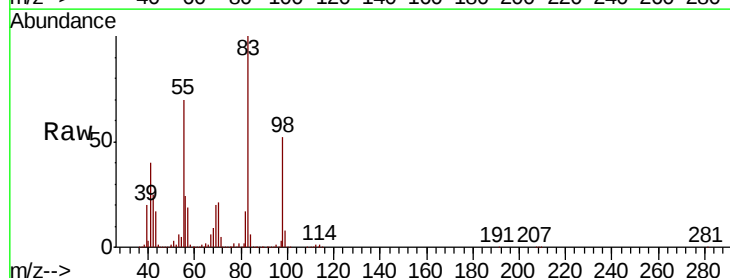
Instrument :
MSVOA_Y
ClientSampled :

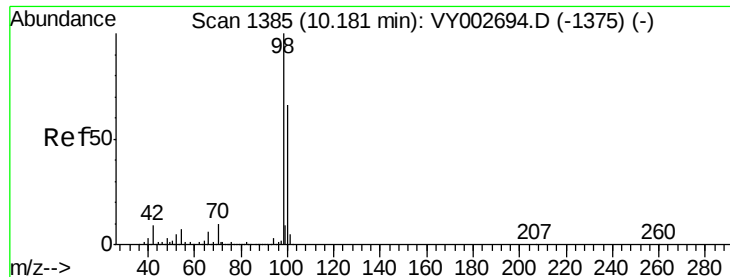
Tot Ion: 41 Resp: 249744
Ion Ratio Lower Upper
41 100
69 0.0 78.7 118.1#
39 30.3 42.9 64.3#



#49
1,4-Dioxane
Concen: 4.225 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.10 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 1501269.2 23.4 35.0#
58 99955.8 54.5 81.7#





#50

Toluene-d8

Concen: 110.178 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

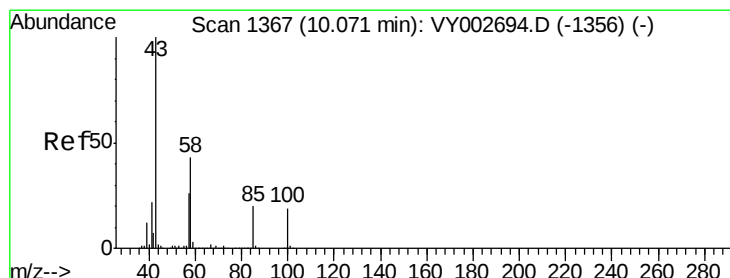
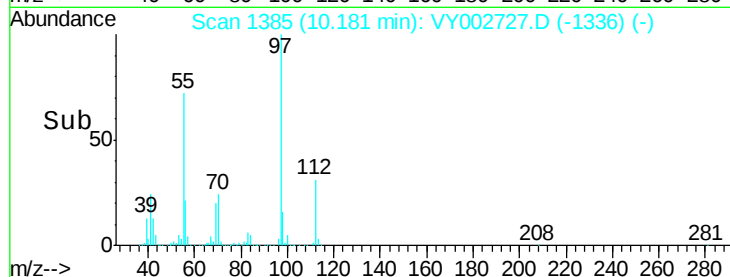
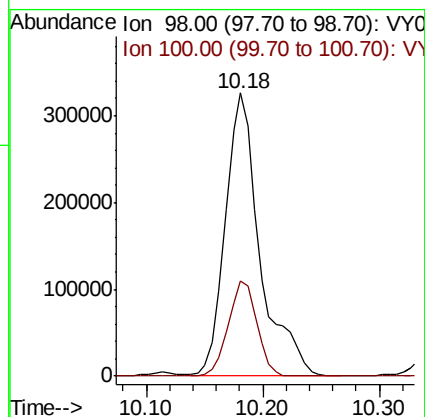
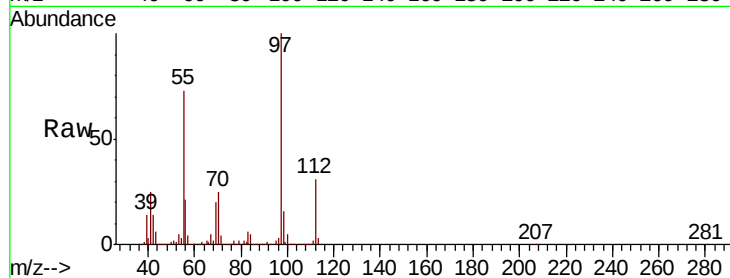
ClientSampleId :

Tot Ion: 98 Resp: 671703

Ion Ratio Lower Upper

98 100

100 27.7 52.3 78.5#



#51

4-Methyl-2-Pentanone

Concen: 217.393 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY002727.D

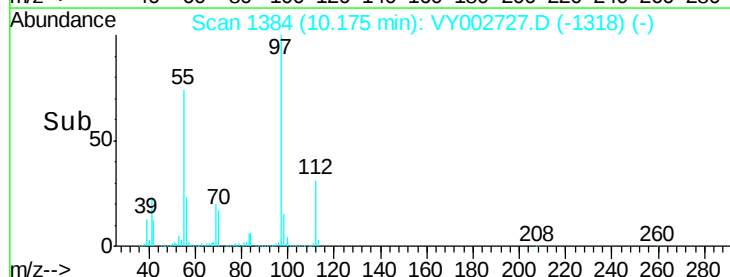
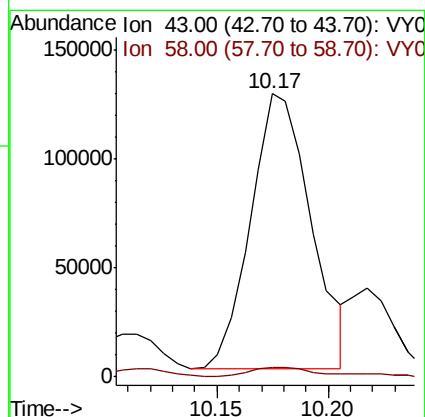
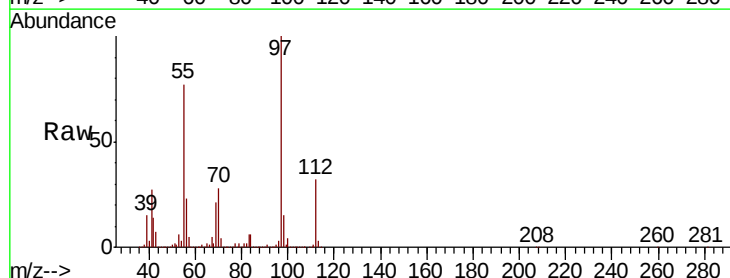
Acq: 20 May 2020 13:30

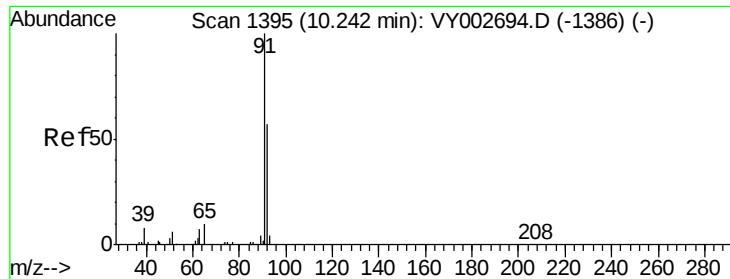
Tgt Ion: 43 Resp: 238305

Ion Ratio Lower Upper

43 100

58 3.3 34.1 51.1#





#52

Toluene

Concen: 2.115 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

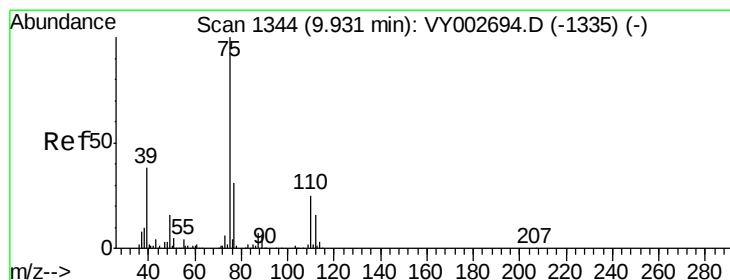
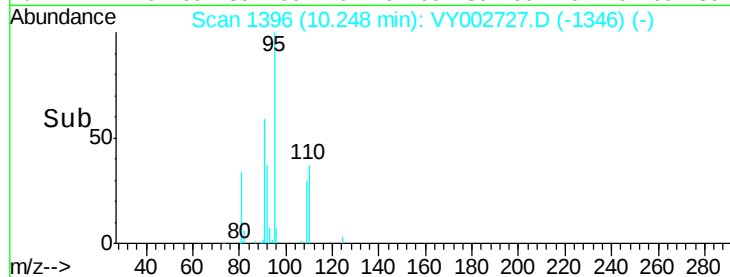
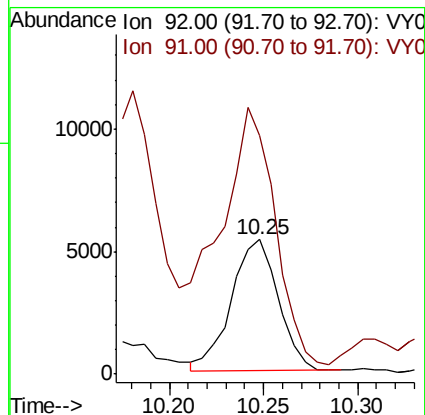
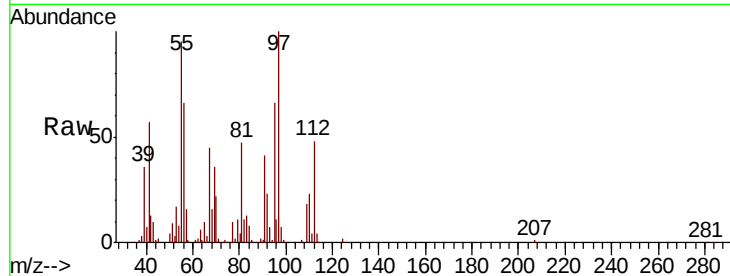
ClientSampleId :

Tot Ion: 92 Resp: 9277

Ion Ratio Lower Upper

92 100

91 234.5 138.8 208.2#



#54

cis-1,3-Dichloropropene

Concen: 1.694 ug/l

RT: 9.90 min Scan# 1339

Delta R.T. -0.03 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

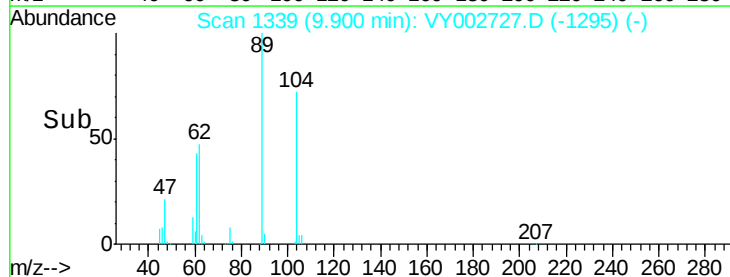
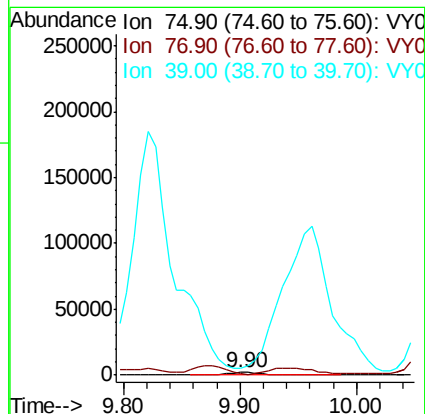
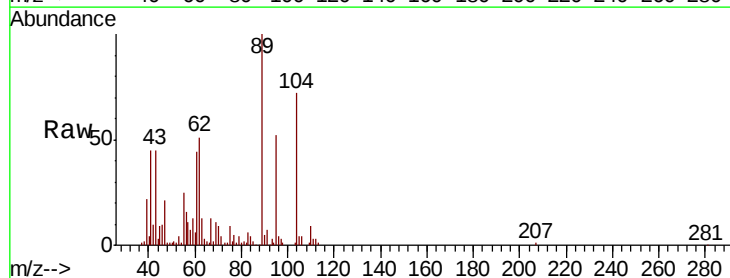
Tgt Ion: 75 Resp: 4624

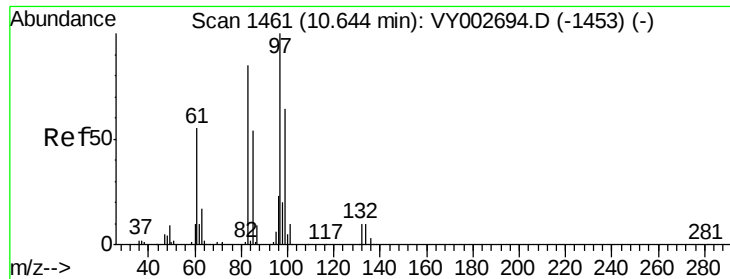
Ion Ratio Lower Upper

75 100

77 0.9 24.8 37.2#

39 0.0 30.7 46.1#





#55

1,1,2-Trichloroethane

Concen: 877.049 ug/l

RT: 10.62 min Scan# 1457

Delta R.T. -0.02 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

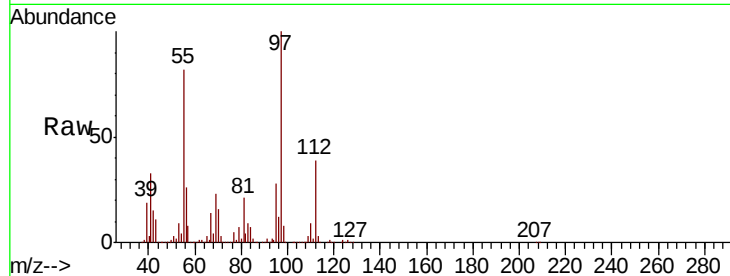
Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 1180005

Ion	Ratio	Lower	Upper
97	100		
83	8.1	68.1	102.1#
85	2.0	43.1	64.7#
99	0.3	51.0	76.4#

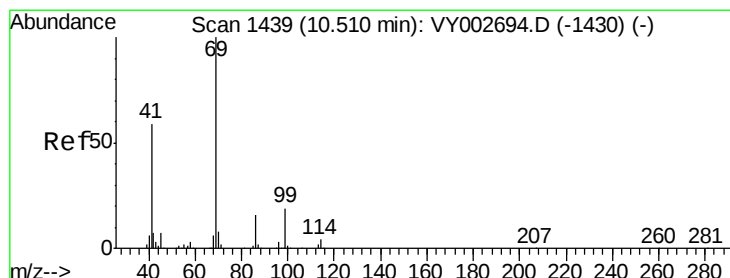
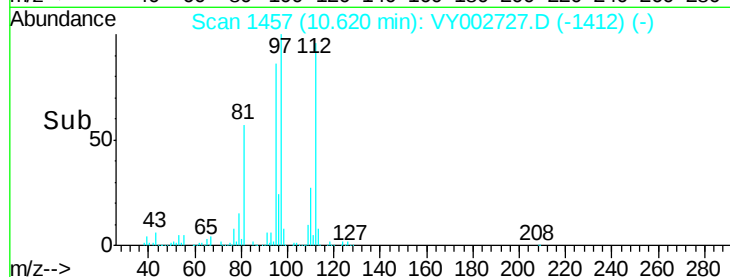
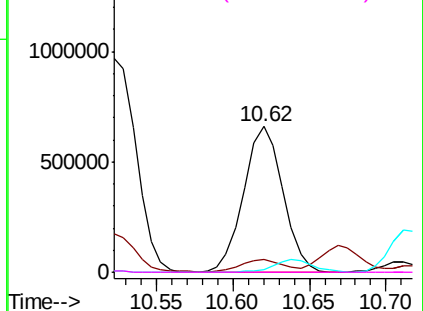


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 237.915 ug/l

RT: 10.52 min Scan# 1441

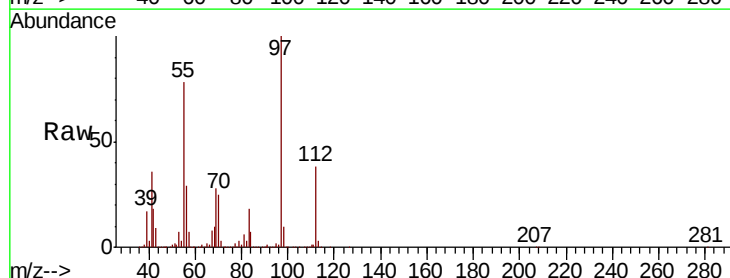
Delta R.T. 0.01 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Tgt Ion: 69 Resp: 426139

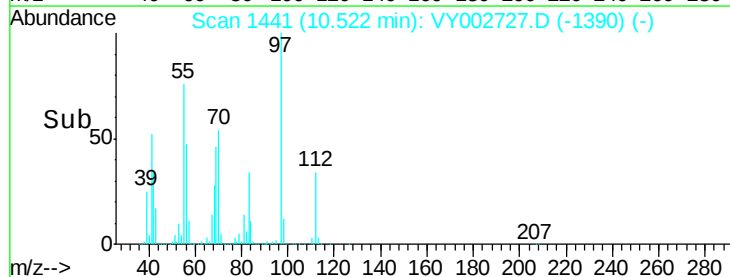
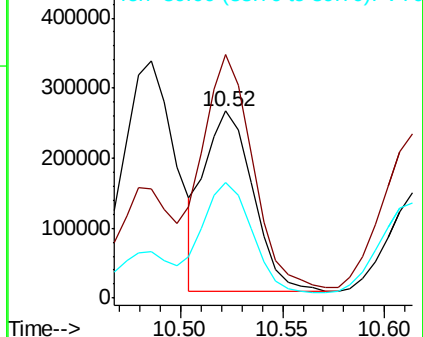
Ion	Ratio	Lower	Upper
69	100		
41	139.3	48.0	72.0#
39	66.1	22.1	33.1#

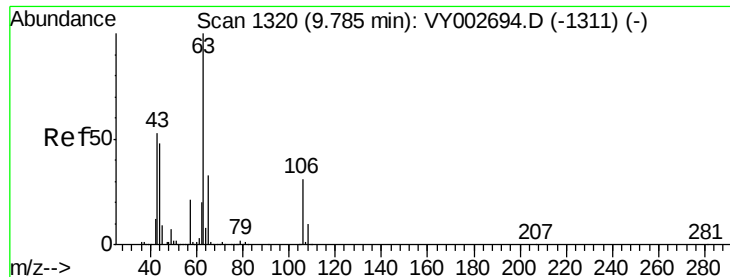


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

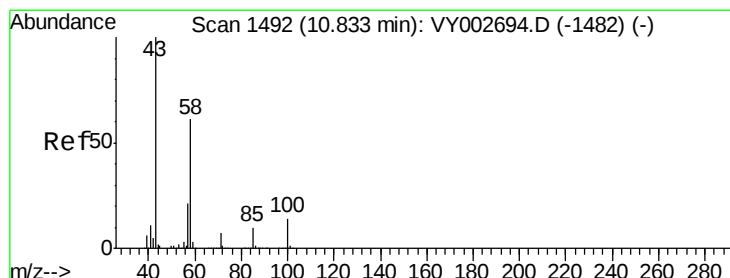
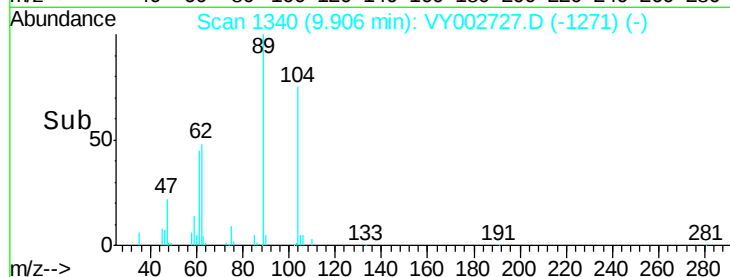
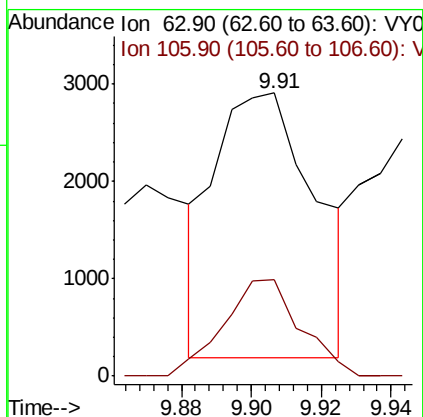
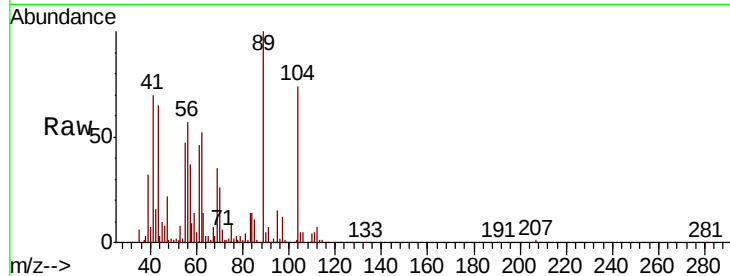




#58
2-Chloroethyl Vinyl ether
Concen: 6.131 ug/l
RT: 9.91 min Scan# 1340
Delta R.T. 0.12 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

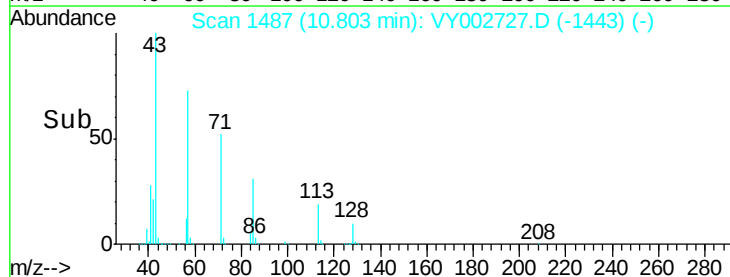
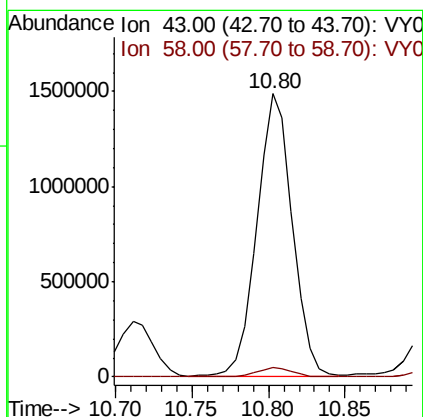
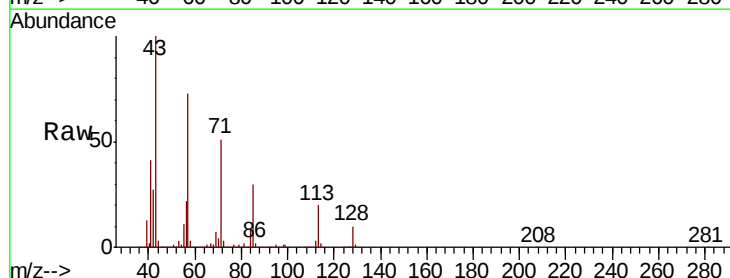
Instrument :
MSVOA_Y
ClientSampleId :

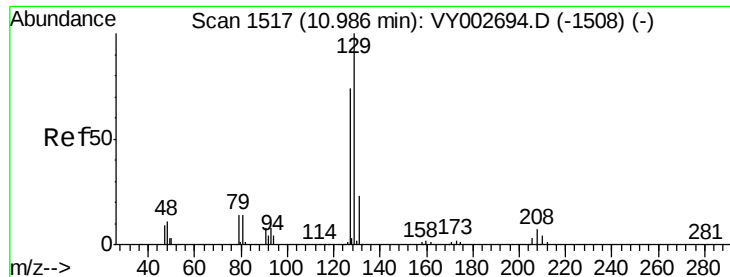
Tot Ion: 63 Resp: 5421
Ion Ratio Lower Upper
63 100
106 28.1 25.1 37.7



#59
2-Hexanone
Concen: 3103.465 ug/l
RT: 10.80 min Scan# 1487
Delta R.T. -0.03 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Tgt Ion: 43 Resp: 2370171
Ion Ratio Lower Upper
43 100
58 3.4 29.8 89.4#





#60

Dibromochloromethane

Concen: 2.613 ug/l

RT: 10.91 min Scan# 1504

Delta R.T. -0.08 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

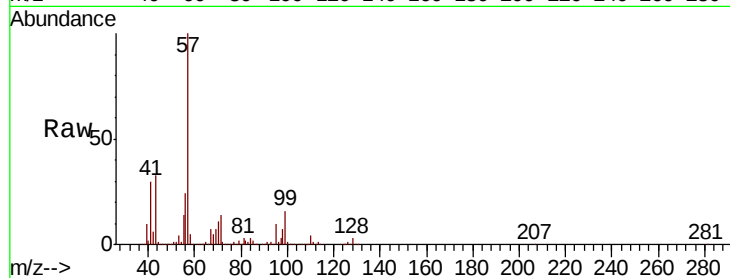
ClientSampleId :

Tot Ion:129 Resp: 4492

Ion Ratio Lower Upper

129 100

127 62.2 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

15000

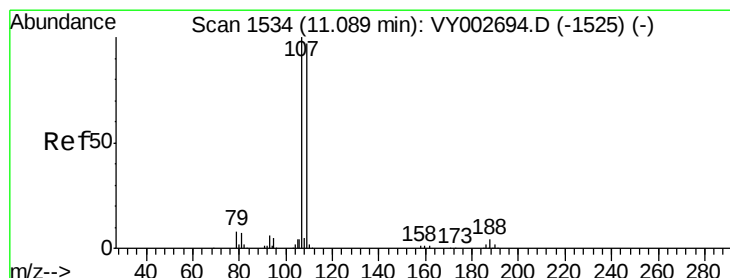
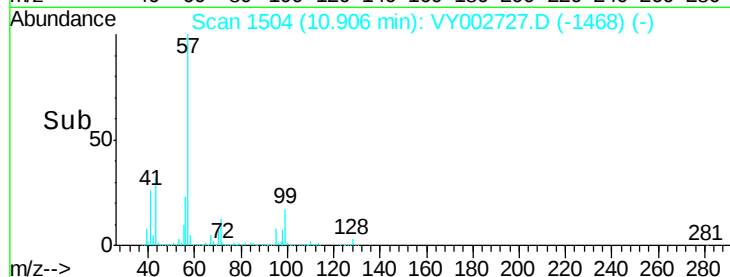
10000

5000

0

10.85 10.90 10.95 11.00

Time-->



#61

1,2-Dibromoethane

Concen: 1.669 ug/l

RT: 11.06 min Scan# 1530

Delta R.T. -0.02 min

Lab File: VY002727.D

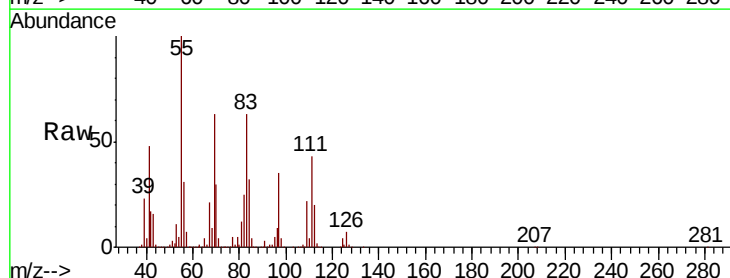
Acq: 20 May 2020 13:30

Tgt Ion:107 Resp: 2212

Ion Ratio Lower Upper

107 100

109 5259.2 76.1 114.1#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

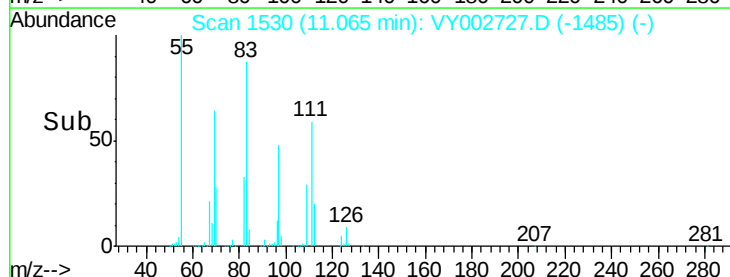
20000

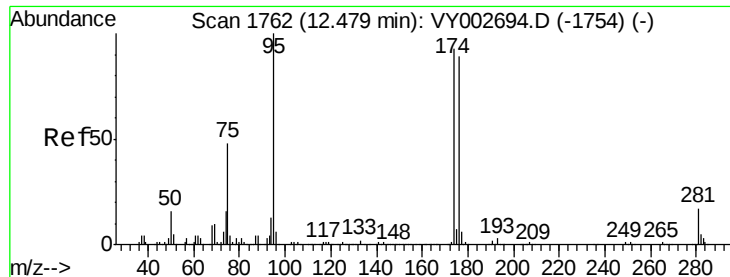
10000

0

11.05

Time-->





#62

4-Bromofluorobenzene

Concen: 99.034 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

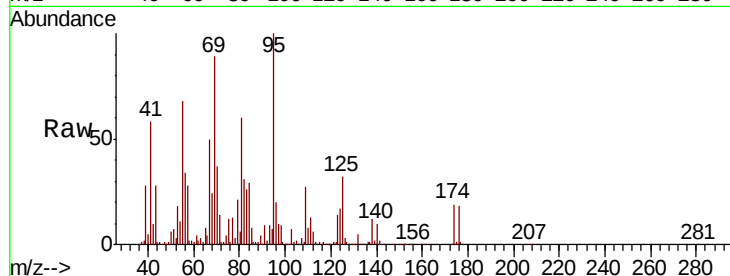
Tot Ion: 95 Resp: 207515

Ion Ratio Lower Upper

95 100

174 30.0 0.0 191.4

176 28.7 0.0 186.0

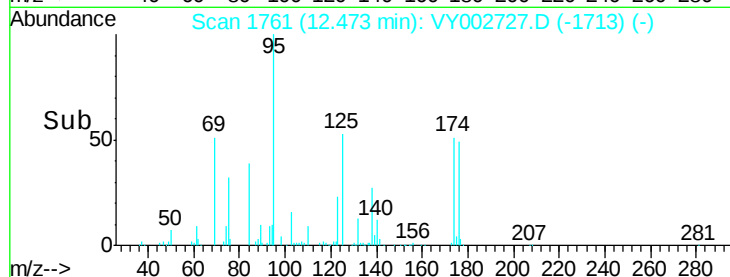


Abundance Ion 94.90 (94.60 to 95.60): VY002694.D (-1754) (-)

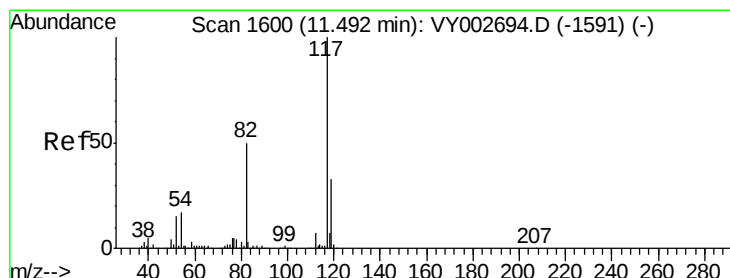
Ion 173.80 (173.50 to 174.50): VY002694.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY002694.D (-1754) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

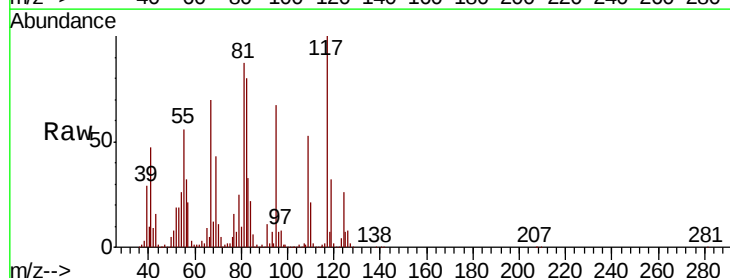
Tgt Ion: 117 Resp: 188889

Ion Ratio Lower Upper

117 100

82 32.9 40.3 60.5#

119 32.0 26.2 39.4

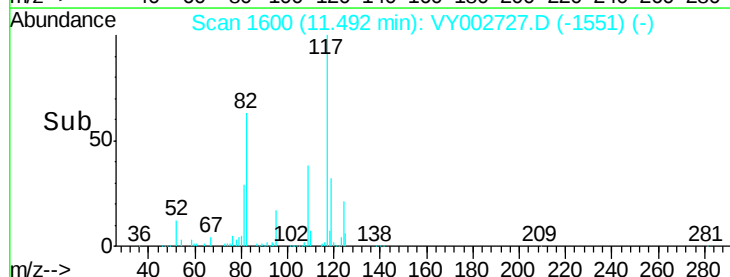


Abundance Ion 116.90 (116.60 to 117.60): VY002694.D (-1591) (-)

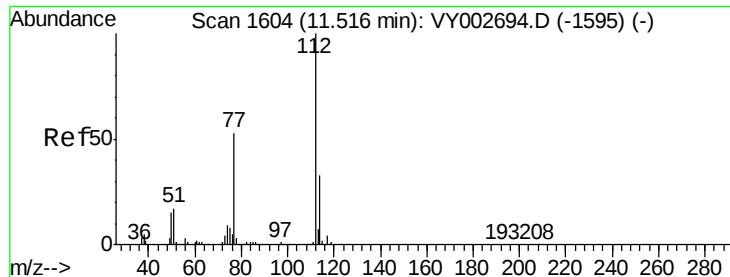
Ion 82.00 (81.70 to 82.70): VY002694.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY002694.D (-1591) (-)

Time-->



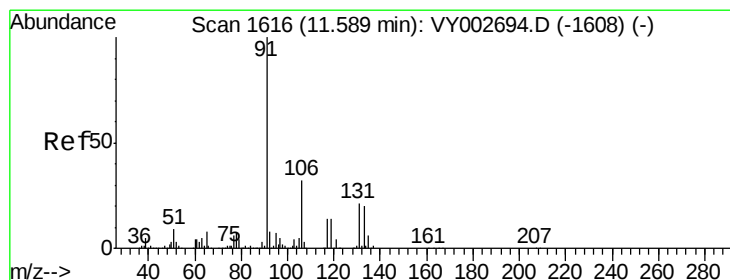
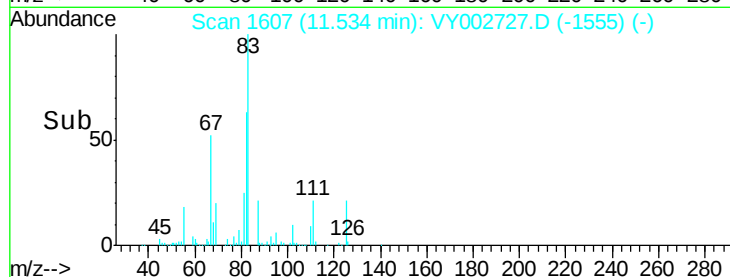
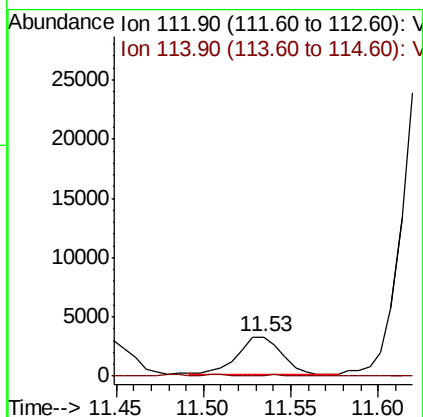
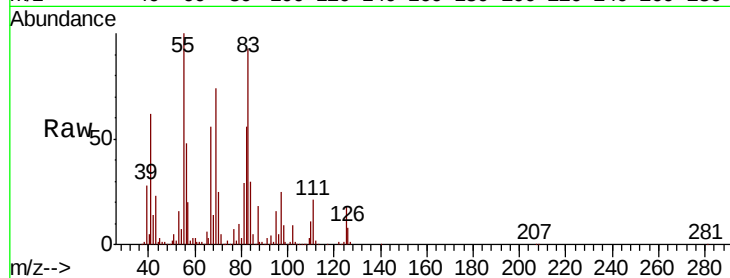
Time-->



#65
Chlorobenzene
Concen: 1.458 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.02 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

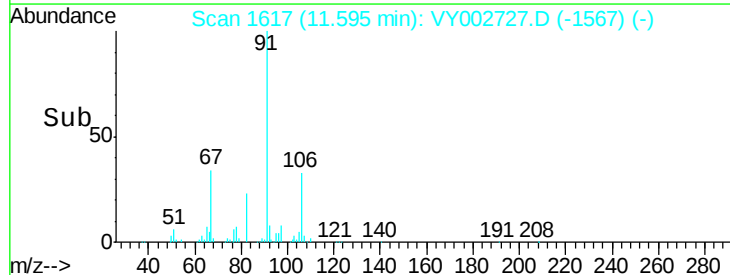
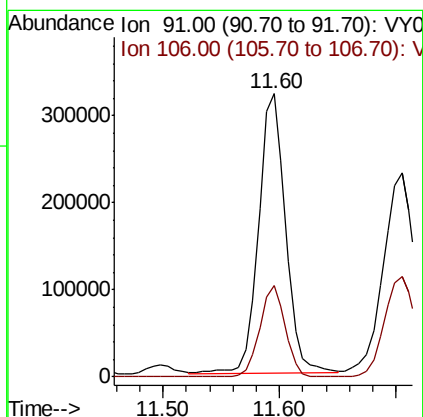
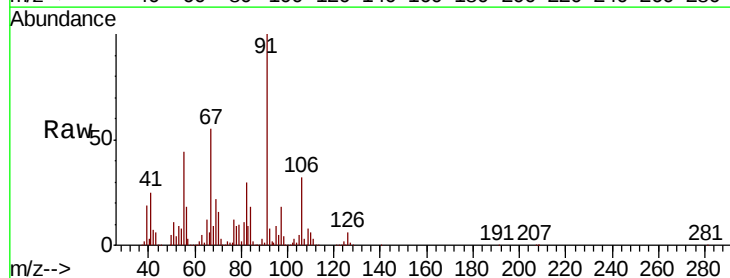
Instrument :
MSVOA_Y
ClientSampleId :

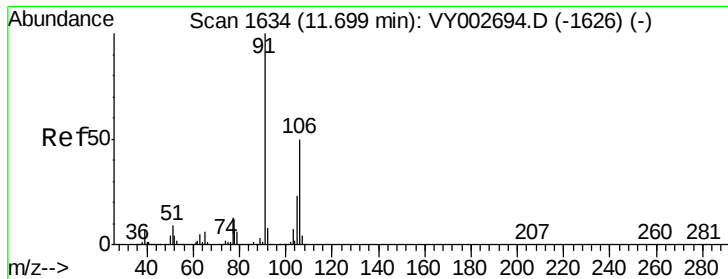
Tot Ion:112 Resp: 5321
Ion Ratio Lower Upper
112 100
114 0.0 26.1 39.1#



#67
Ethyl Benzene
Concen: 80.525 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Tgt Ion: 91 Resp: 516066
Ion Ratio Lower Upper
91 100
106 32.7 26.0 39.0





#68

m/p-Xylenes

Concen: 85.004 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

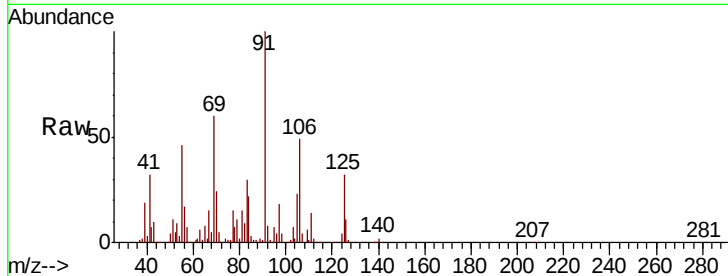
ClientSampleId :

Tot Ion:106 Resp: 211943

Ion Ratio Lower Upper

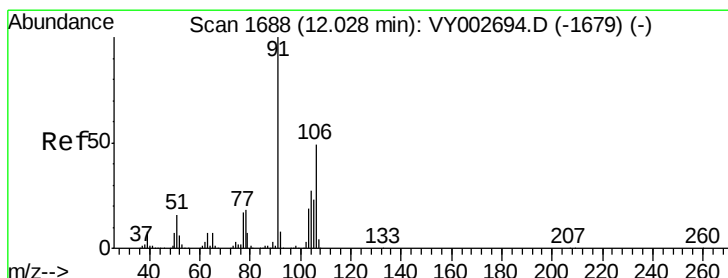
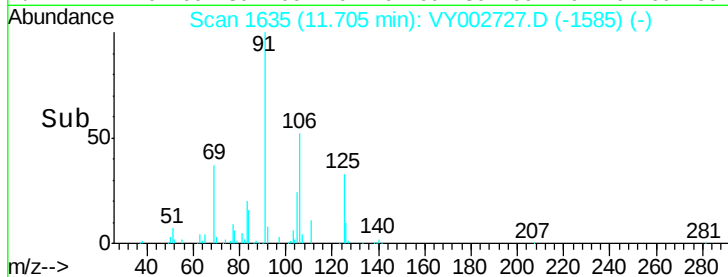
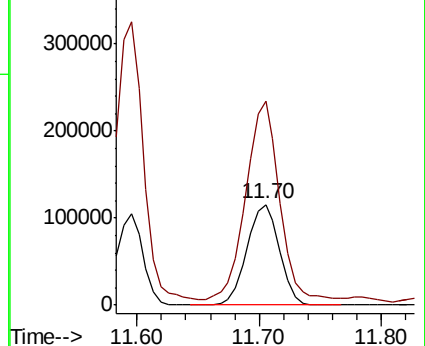
106 100

91 203.7 156.2 234.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 68.934 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY002727.D

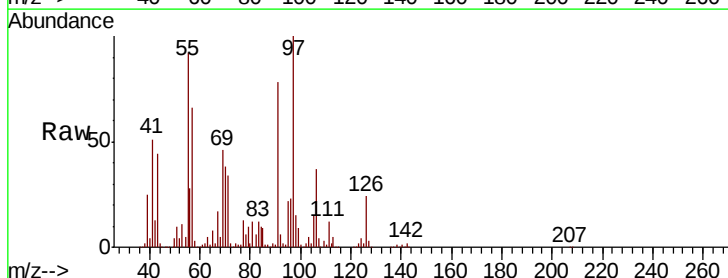
Acq: 20 May 2020 13:30

Tgt Ion:106 Resp: 161319

Ion Ratio Lower Upper

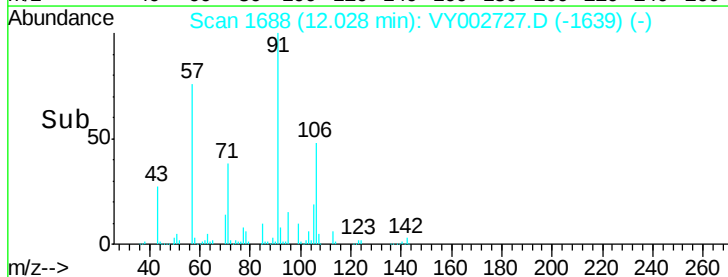
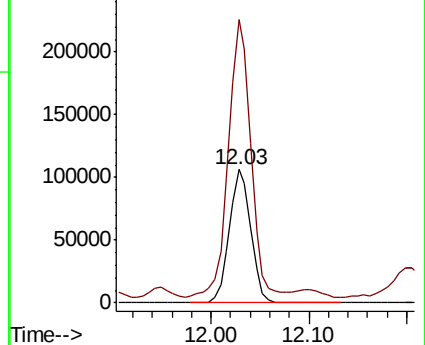
106 100

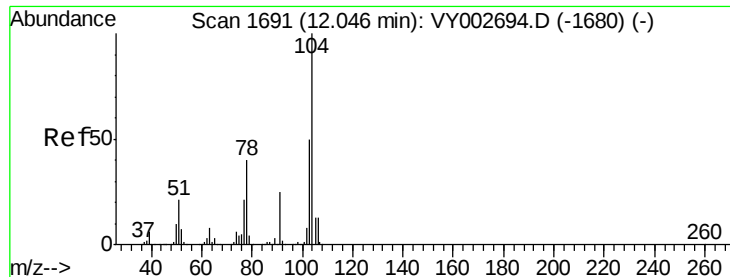
91 217.1 103.5 310.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

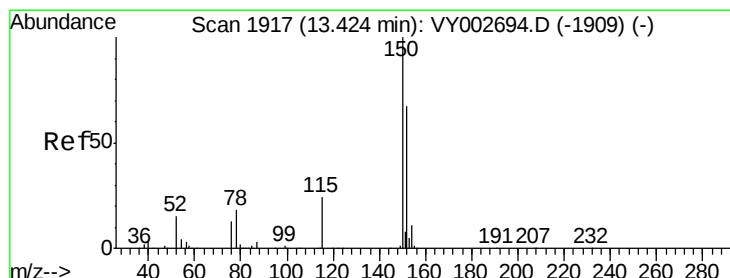
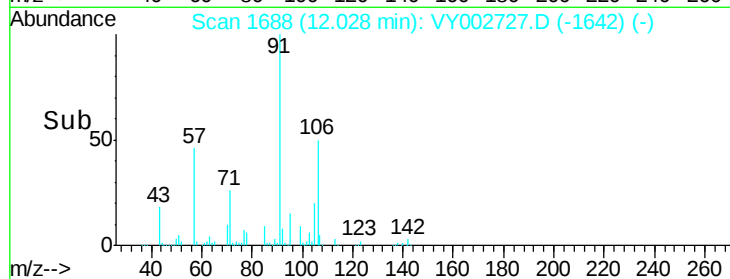
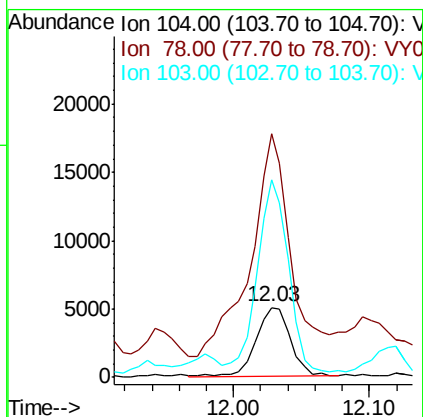
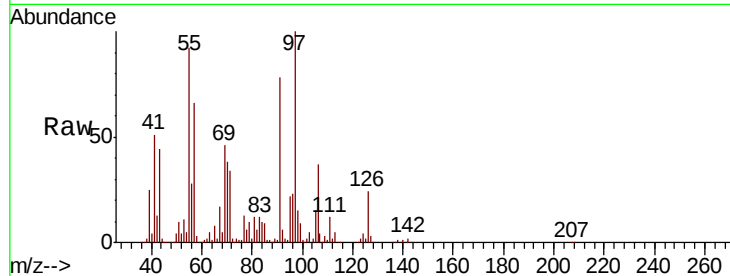




#70
Stvrene
Concen: 2.235 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.02 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

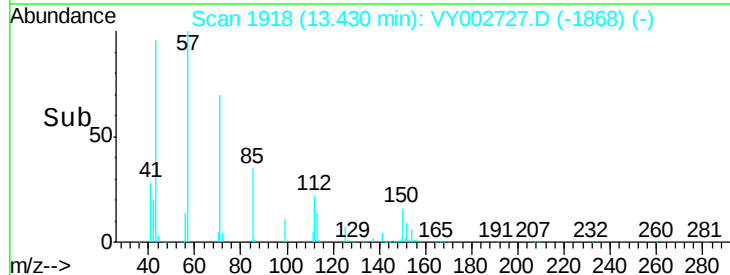
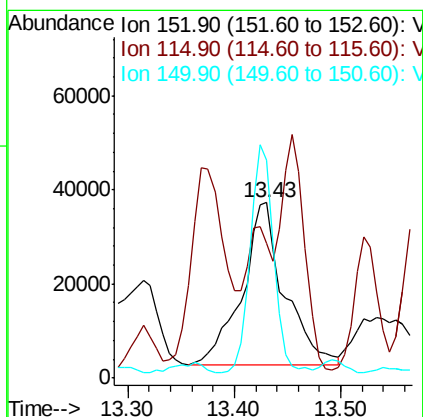
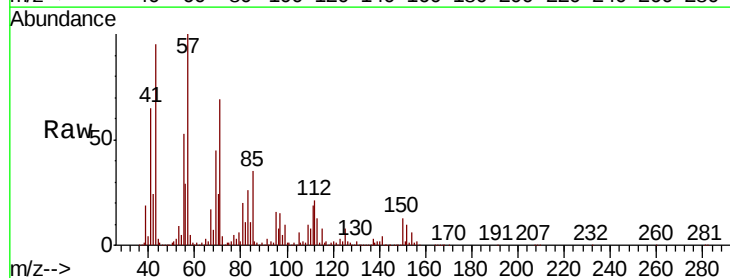
Instrument :
MSVOA_Y
ClientSampled :

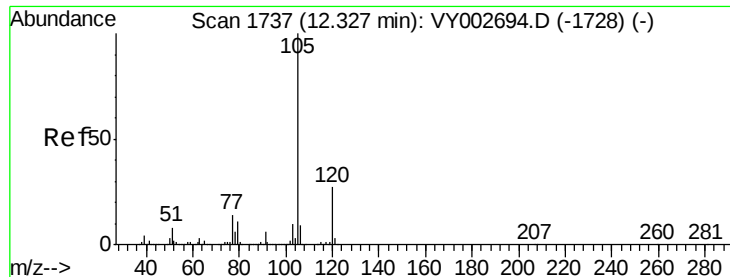
Tot Ion:104 Resp: 8981
Ion Ratio Lower Upper
104 100
78 374.3 36.6 54.8#
103 249.4 44.1 66.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Tgt Ion:152 Resp: 96222
Ion Ratio Lower Upper
152 100
115 45.9 27.2 81.6
150 77.8 0.0 343.8





#73

Isopropylbenzene

Concen: 81.906 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

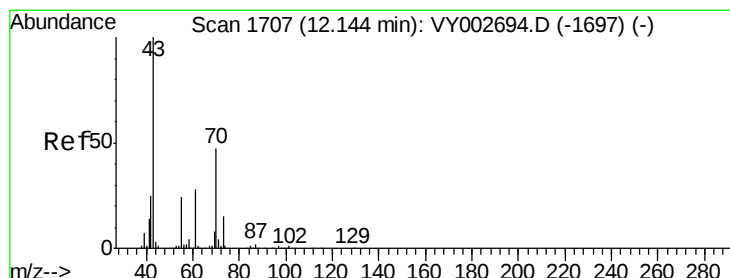
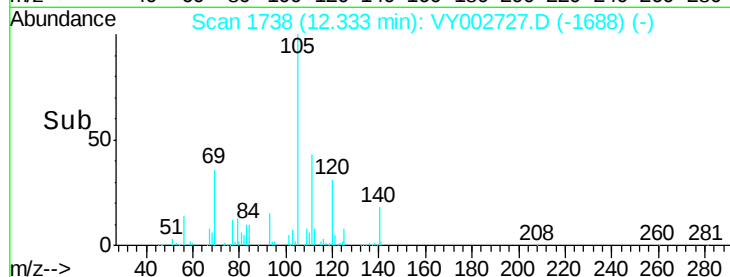
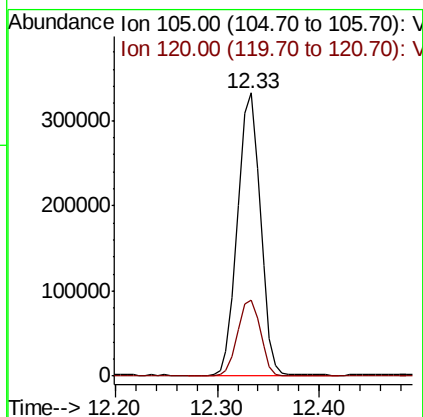
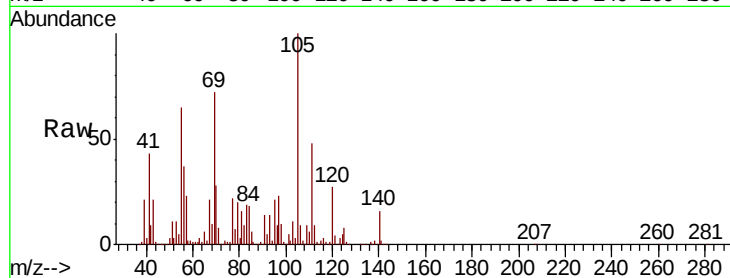
ClientSampleId :

Tot Ion:105 Resp: 514975

Ion Ratio Lower Upper

105 100

120 26.9 13.7 41.1



#74

N-ethyl acetate

Concen: 947.057 ug/l

RT: 12.13 min Scan# 1704

Delta R.T. -0.02 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Tgt Ion: 43 Resp: 1397270

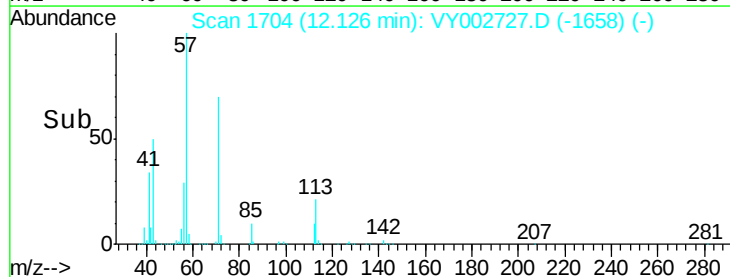
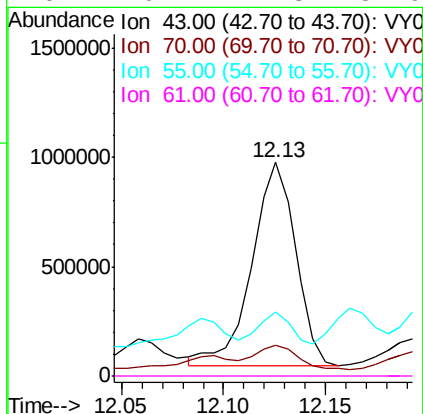
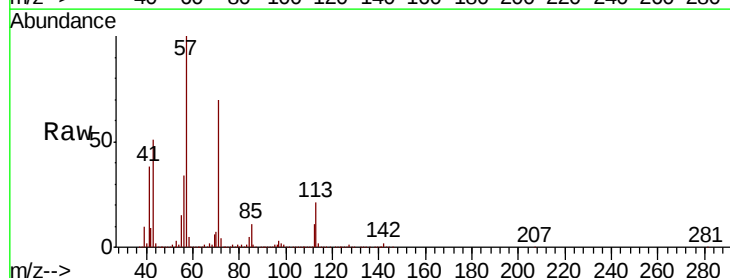
Ion Ratio Lower Upper

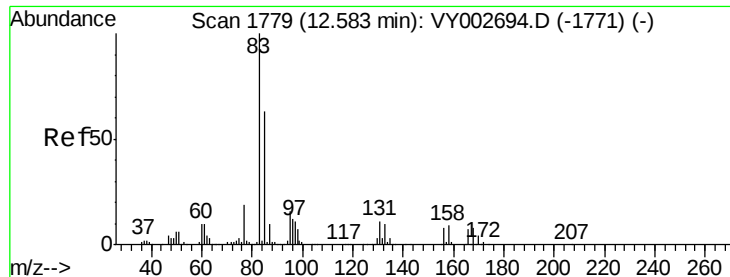
43 100

70 10.6 37.7 56.5#

55 16.6 19.4 29.0#

61 0.1 21.3 31.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 97.740 ug/l

RT: 12.56 min Scan# 1775

Delta R.T. -0.02 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

ClientSampled :

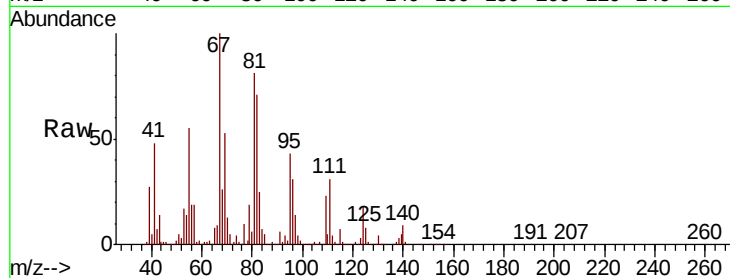
Tot Ion: 83 Resp: 90493

Ion Ratio Lower Upper

83 100

131 1.5 5.8 17.3#

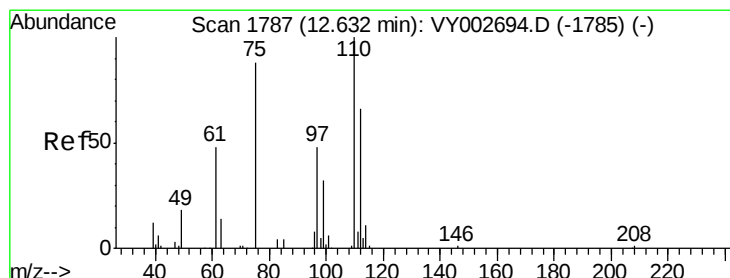
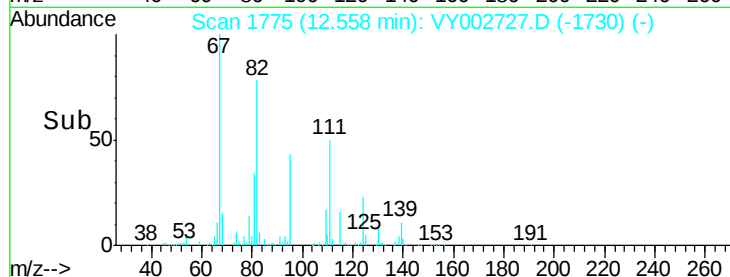
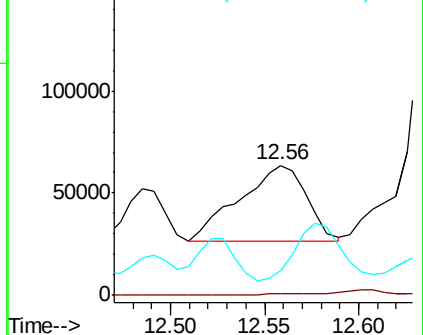
85 54.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 3.545 ug/l

RT: 12.65 min Scan# 1790

Delta R.T. 0.02 min

Lab File: VY002727.D

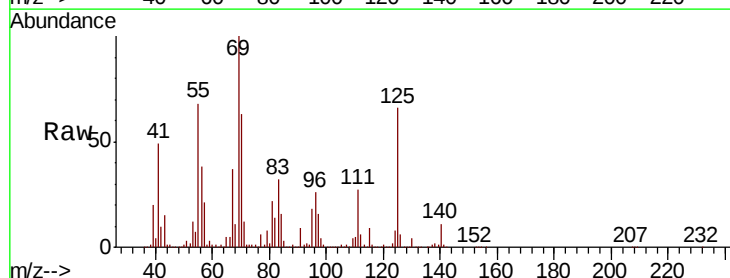
Acq: 20 May 2020 13:30

Tgt Ion: 75 Resp: 2802

Ion Ratio Lower Upper

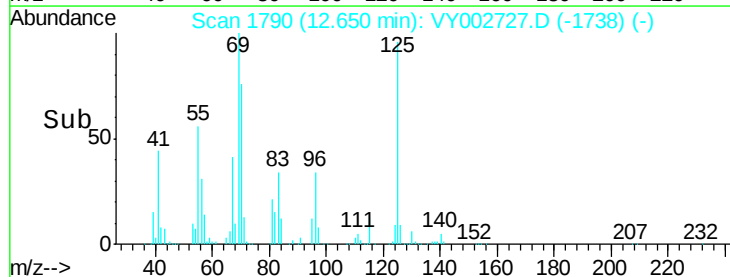
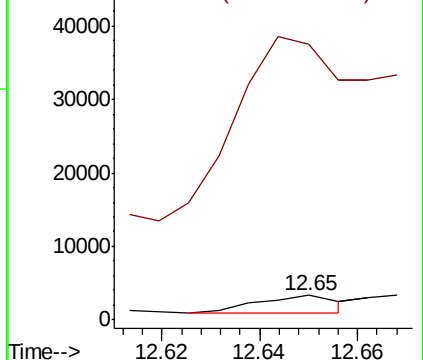
75 100

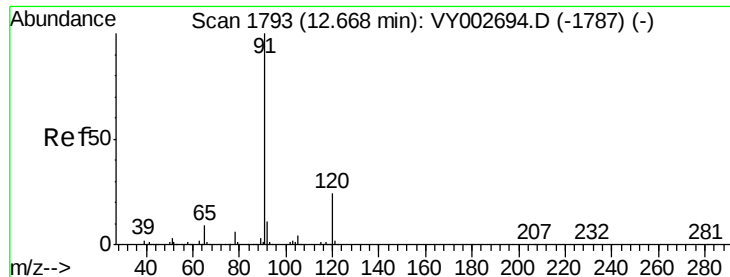
77 2262.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#78

n-propylbenzene

Concen: 94.356 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

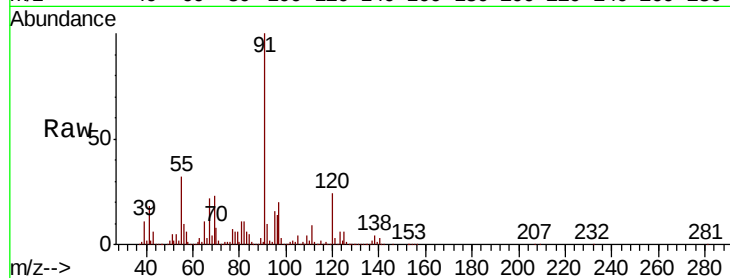
ClientSampleId :

Tot Ion: 91 Resp: 690126

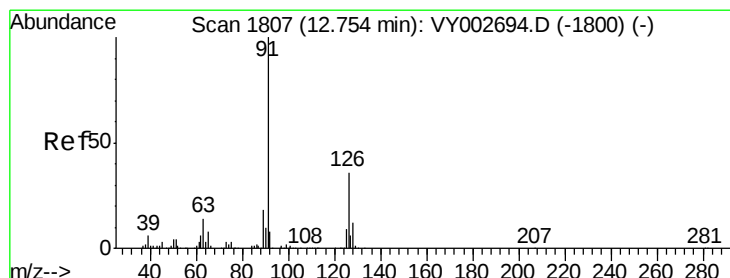
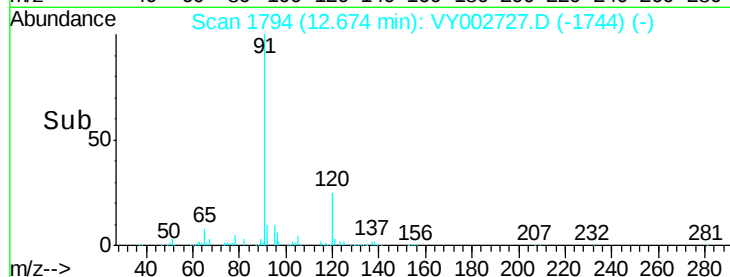
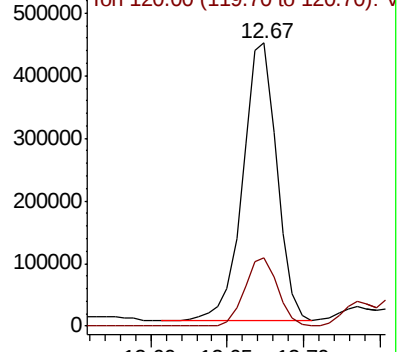
Ion Ratio Lower Upper

91 100

120 23.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY002727.D (-1744) (-)



#79

2-Chlorotoluene

Concen: 8.060 ug/l

RT: 12.74 min Scan# 1804

Delta R.T. -0.02 min

Lab File: VY002727.D

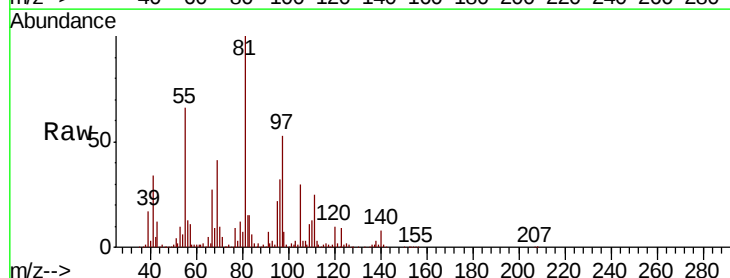
Acq: 20 May 2020 13:30

Tgt Ion: 91 Resp: 32695

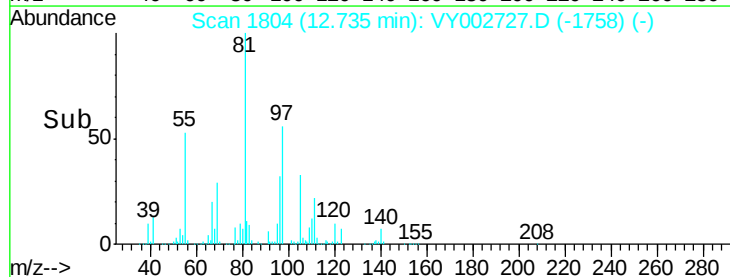
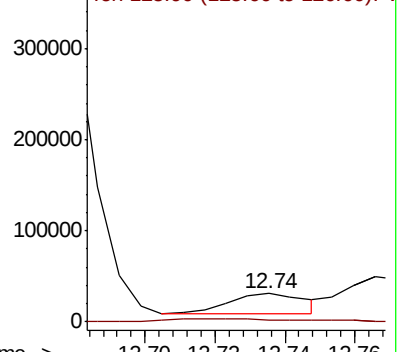
Ion Ratio Lower Upper

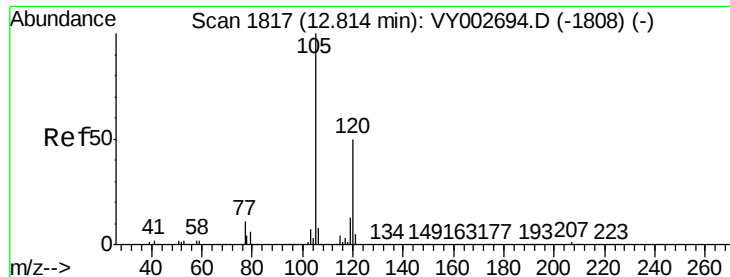
91 100

126 22.4 18.4 55.0



Abundance Ion 91.00 (90.70 to 91.70): VY002727.D (-1758) (-)





#80

1,3,5-Trimethylbenzene

Concen: 132.230 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

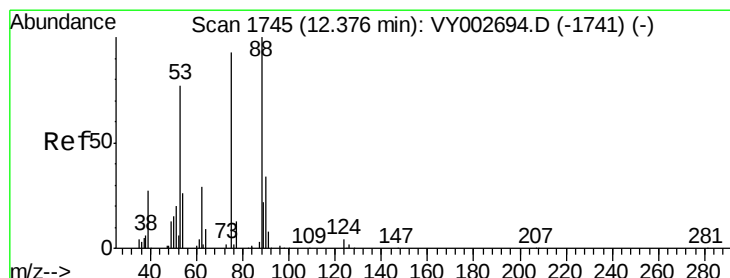
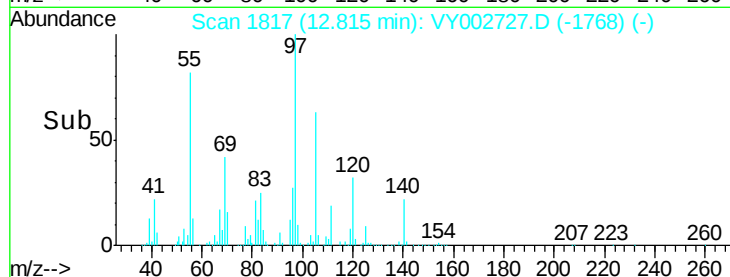
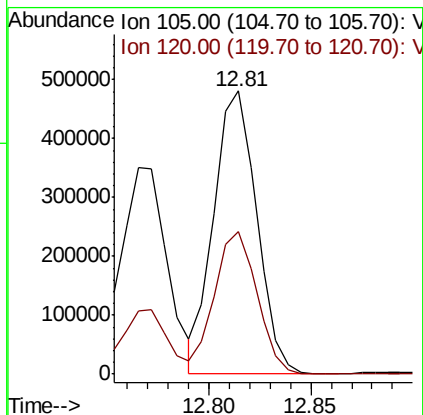
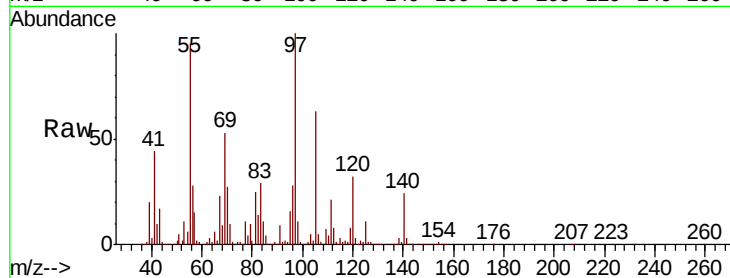
ClientSampleId :

Tot Ion:105 Resp: 698565

Ion Ratio Lower Upper

105 100

120 50.2 25.1 75.4



#81

trans-1,4-Dichloro-2-butene

Concen: 3.584 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

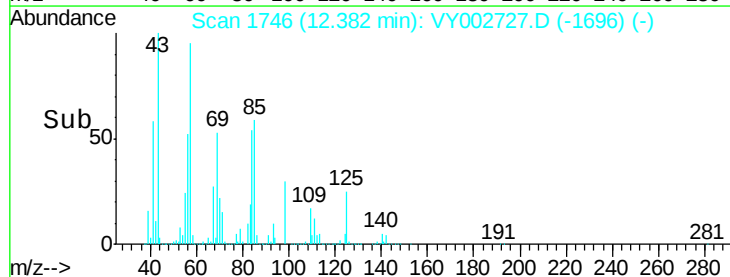
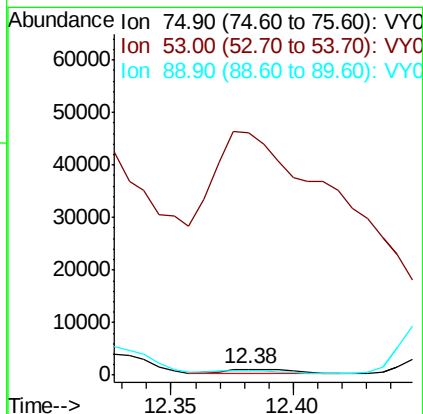
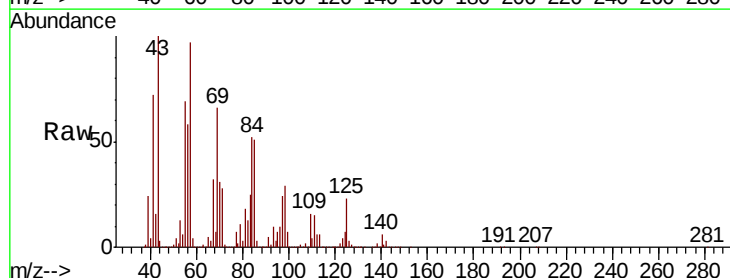
Tgt Ion: 75 Resp: 1498

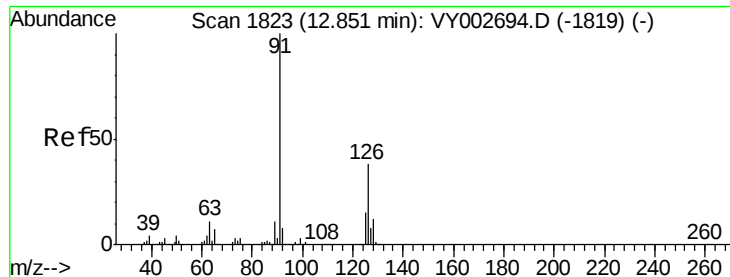
Ion Ratio Lower Upper

75 100

53 7059.5 65.0 97.6#

89 72.4 66.6 99.8





#82

4-Chlorotoluene

Concen: 21.012 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.04 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

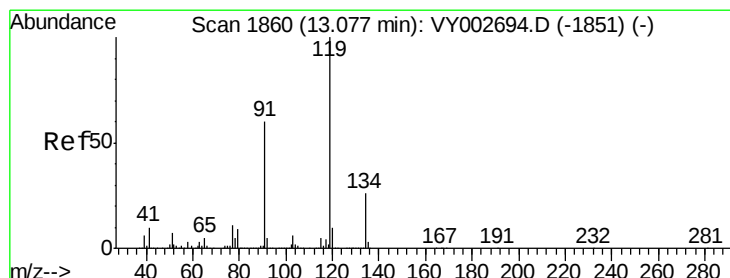
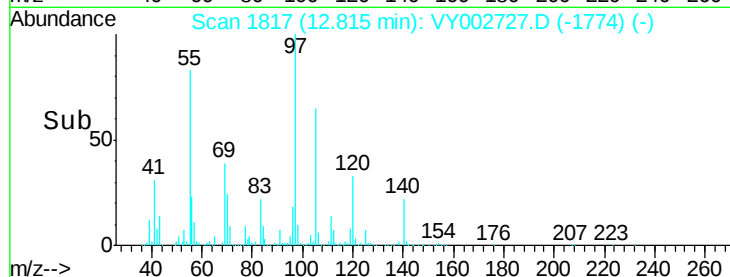
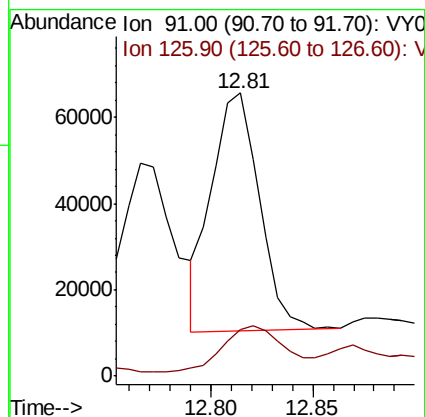
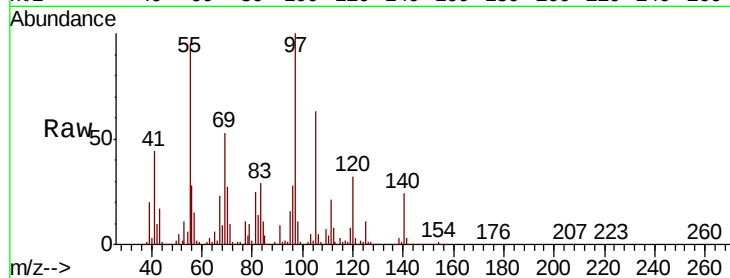
ClientSampleId :

Tot Ion: 91 Resp: 89286

Ion Ratio Lower Upper

91 100

126 26.0 18.6 56.0



#83

tert-Butylbenzene

Concen: 32.531 ug/l

RT: 13.31 min Scan# 1899

Delta R.T. 0.24 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

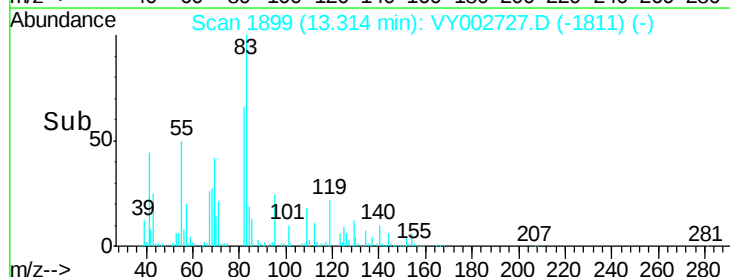
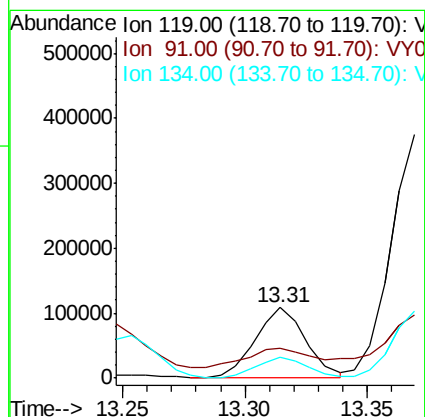
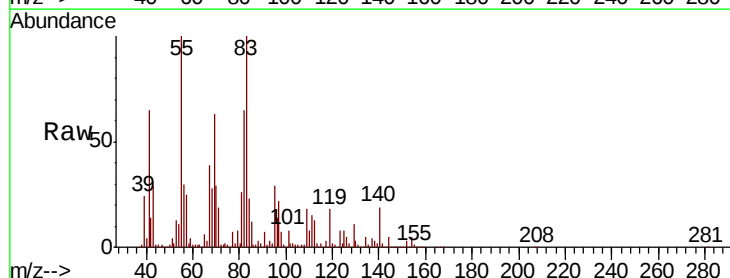
Tgt Ion: 119 Resp: 152099

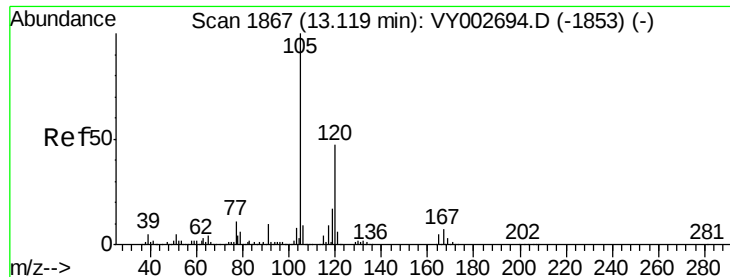
Ion Ratio Lower Upper

119 100

91 36.6 30.4 91.2

134 28.0 13.4 40.2



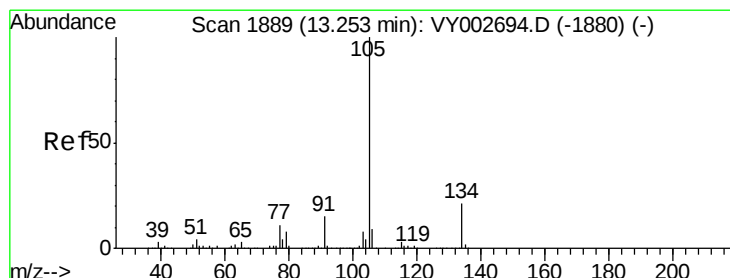
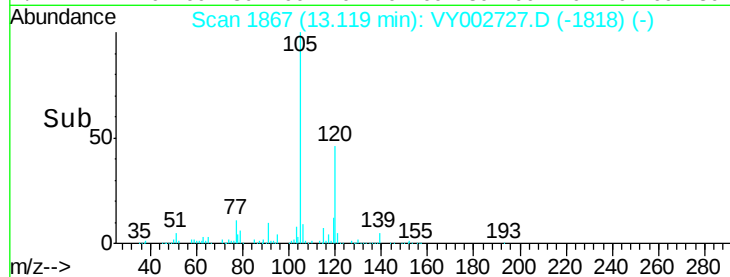
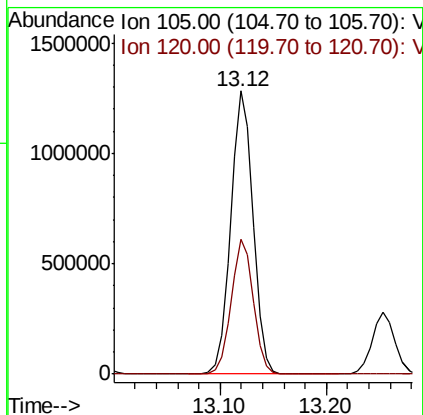
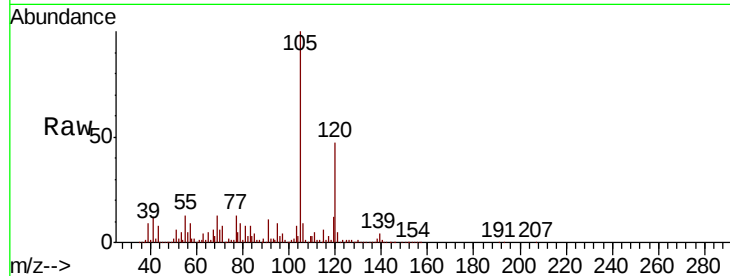


#84

1,2,4-Trimethylbenzene
Concen: 354.191 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Instrument :
MSVOA_Y
ClientSampled :

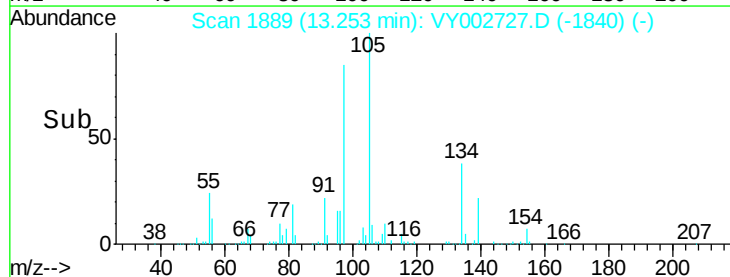
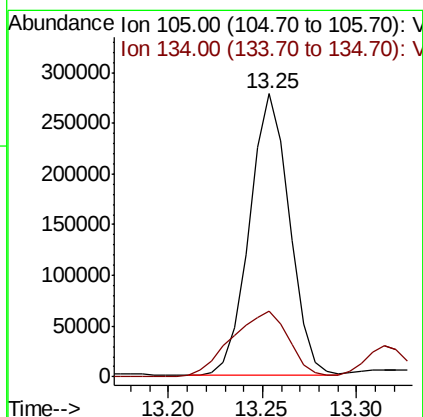
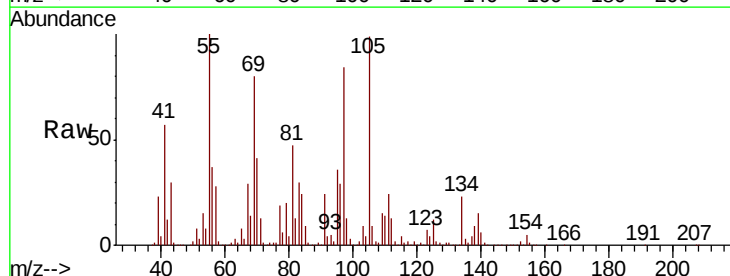
Tot Ion:105 Resp: 1870047
Ion Ratio Lower Upper
105 100
120 47.7 23.5 70.5

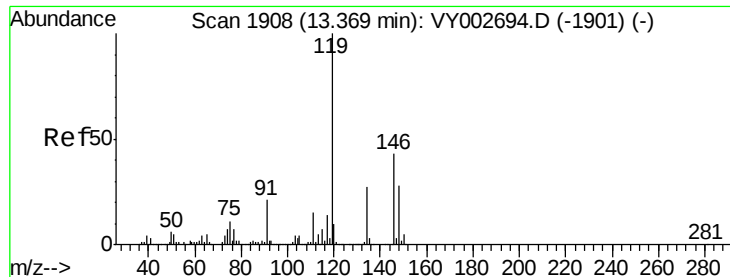


#85

sec-Butylbenzene
Concen: 62.856 ug/l
RT: 13.25 min Scan# 1889
Delta R.T. 0.00 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Tgt Ion:105 Resp: 405529
Ion Ratio Lower Upper
105 100
134 33.6 10.8 32.3#

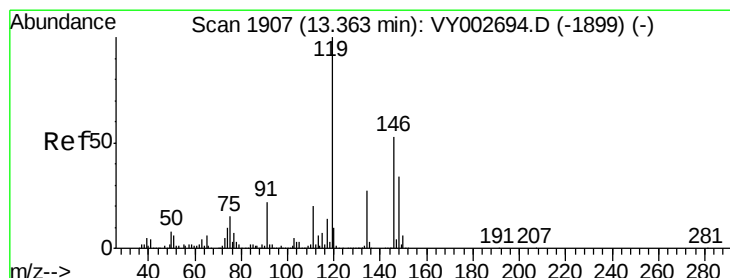
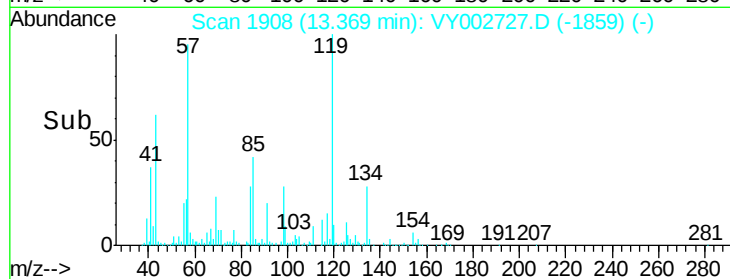
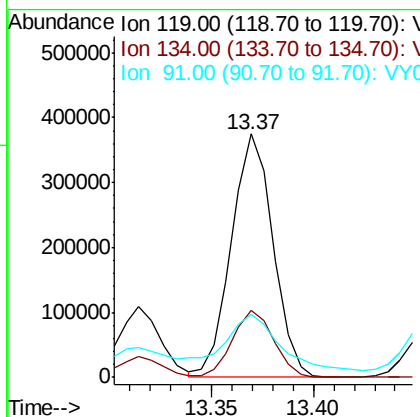
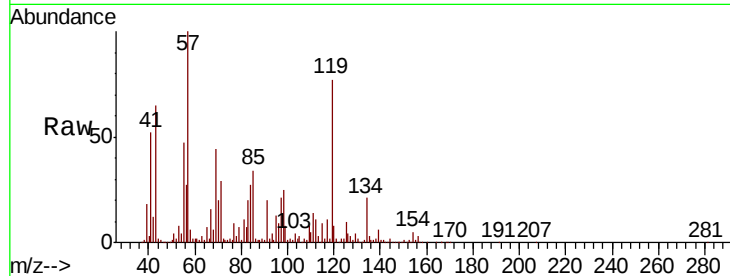




#86
 p-Isopropyltoluene
 Concen: 87.664 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY002727.D
 Acq: 20 May 2020 13:30

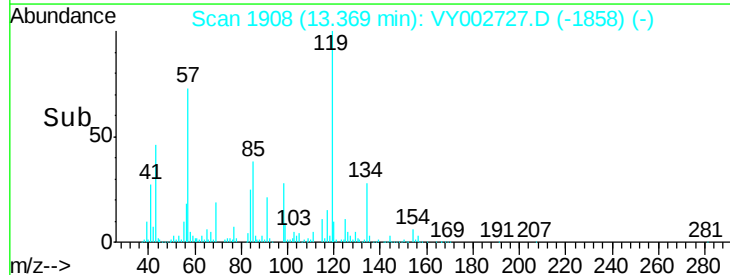
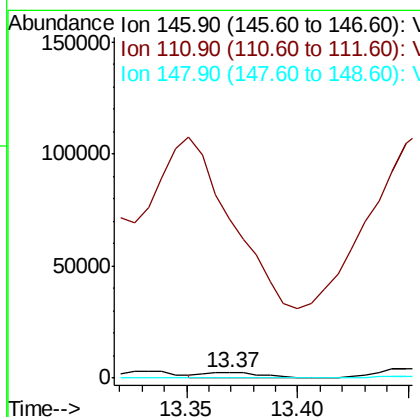
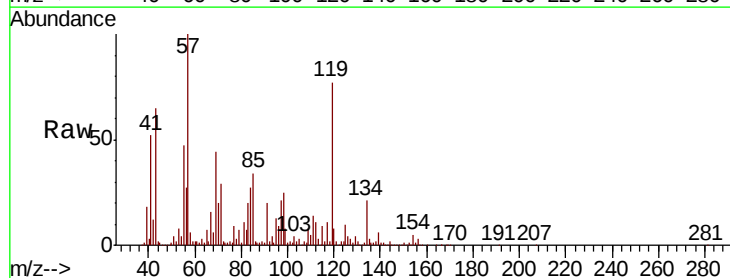
Instrument :
 MSVOA_Y
 ClientSampled :

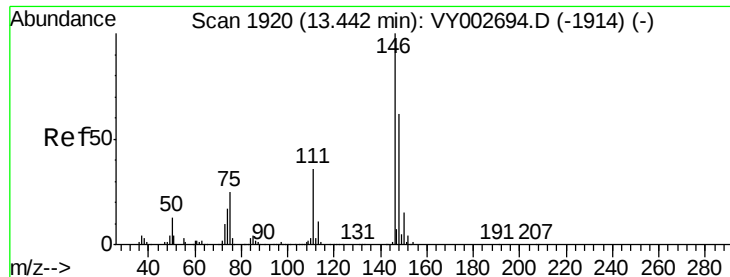
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.5	40.5
91	28.8	10.8	32.3



#87
 1,3-Dichlorobenzene
 Concen: 1.340 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY002727.D
 Acq: 20 May 2020 13:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	4308.2	18.5	55.5#
148	8.5	32.1	96.5#

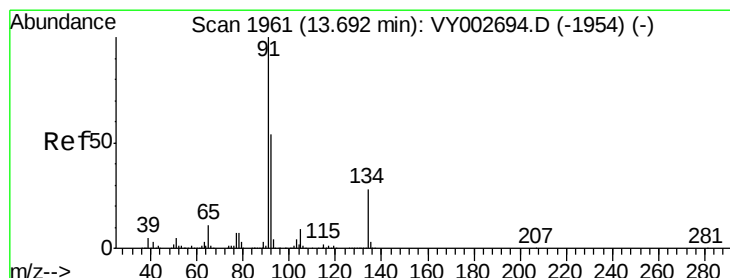
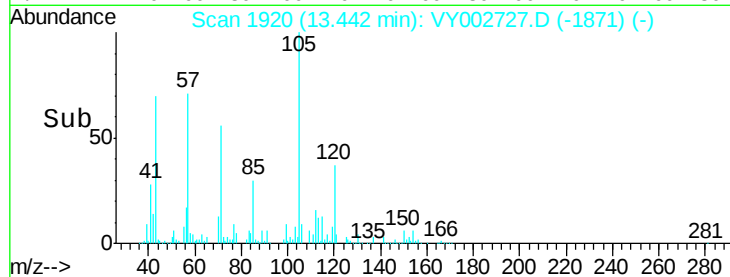
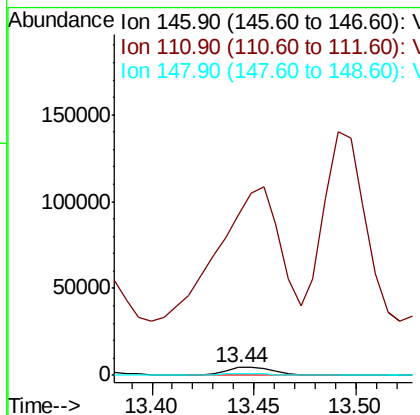
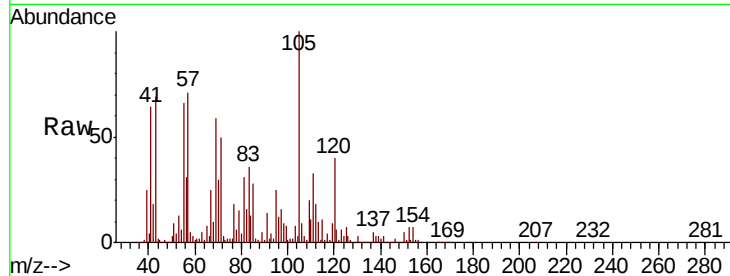




#88
 1,4-Dichlorobenzene
 Concen: 2.442 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY002727.D
 Acq: 20 May 2020 13:30

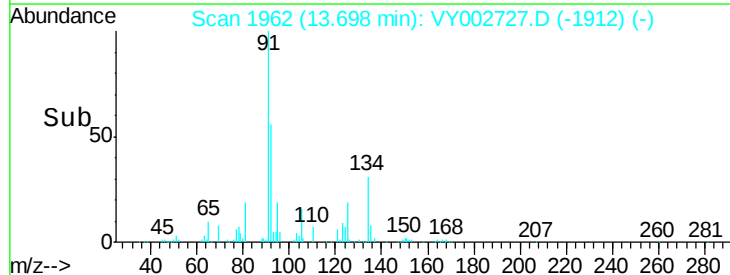
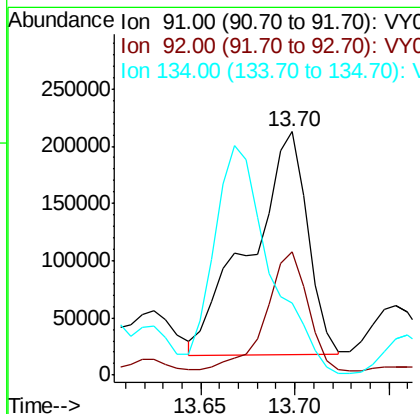
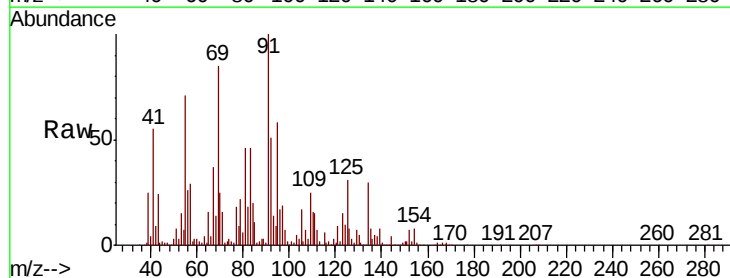
Instrument :
 MSVOA_Y
 ClientSampleId :

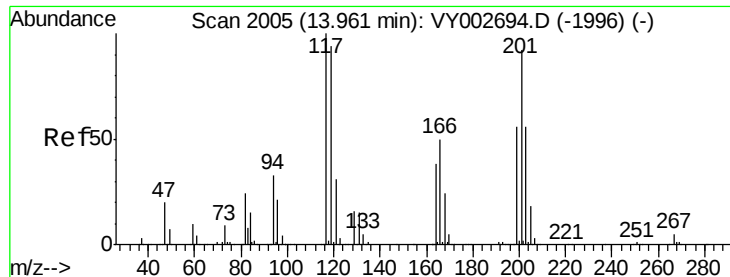
Tot Ion:146 Resp: 7369
 Ion Ratio Lower Upper
 146 100
 111 2189.8 18.1 54.4#
 148 25.3 31.8 95.3#



#89
 n-Butylbenzene
 Concen: 74.188 ug/l
 RT: 13.70 min Scan# 1962
 Delta R.T. 0.01 min
 Lab File: VY002727.D
 Acq: 20 May 2020 13:30

Tgt Ion: 91 Resp: 411435
 Ion Ratio Lower Upper
 91 100
 92 40.9 26.8 80.4
 134 0.0 14.5 43.5#





#90

Hexachloroethane

Concen: 77.683 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

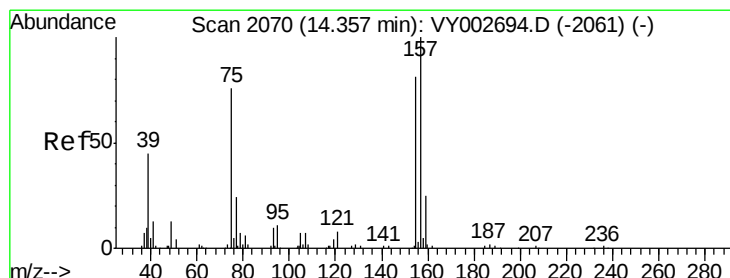
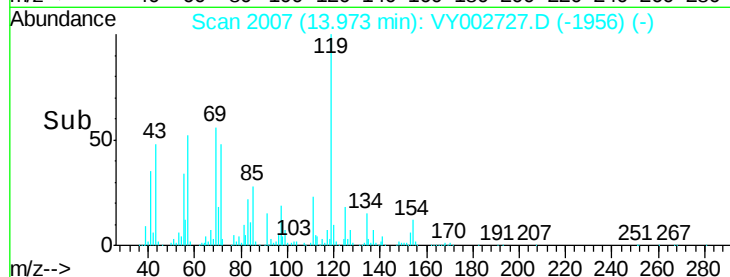
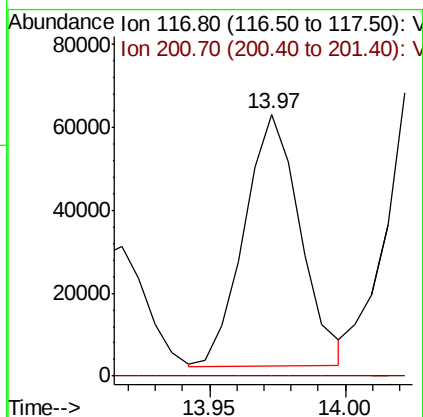
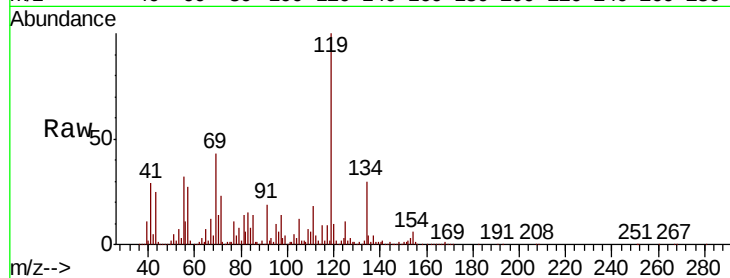
ClientSampled :

Tot Ion:117 Resp: 86891

Ion Ratio Lower Upper

117 100

201 0.0 44.9 134.7#



#92

1,2-Dibromo-3-Chloropropane

Concen: 7.378 ug/l

RT: 14.45 min Scan# 2085

Delta R.T. 0.09 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

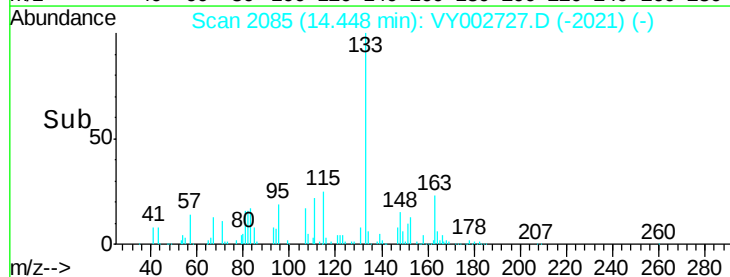
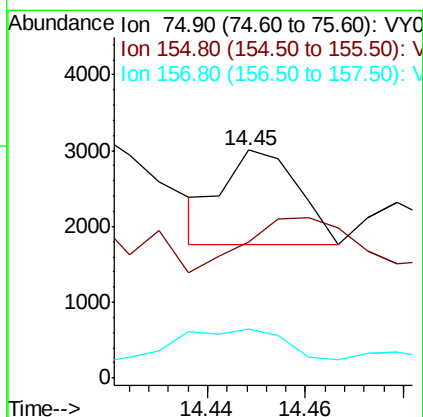
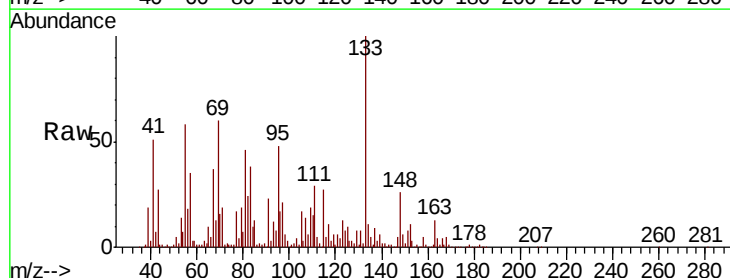
Tgt Ion: 75 Resp: 1310

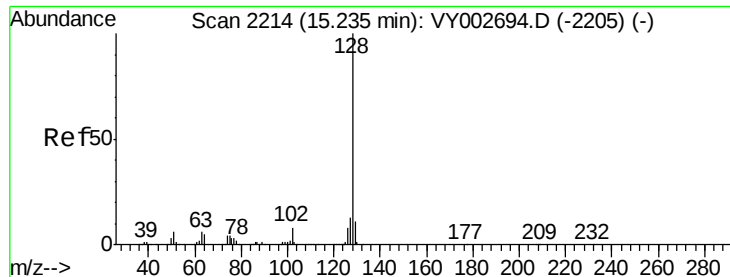
Ion Ratio Lower Upper

75 100

155 99.5 53.5 160.7

157 85.5 67.9 203.7

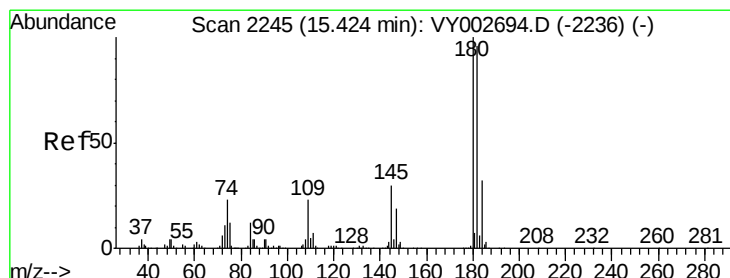
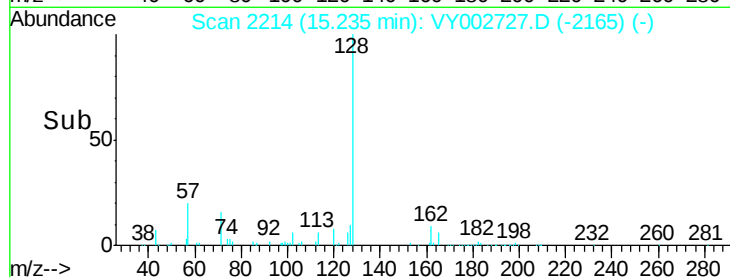
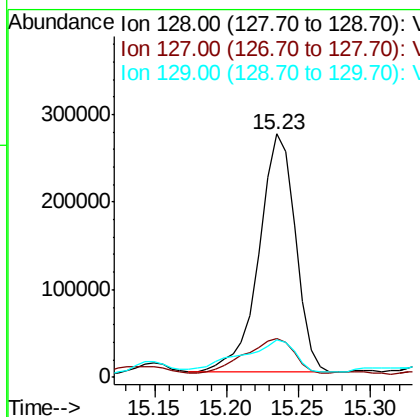
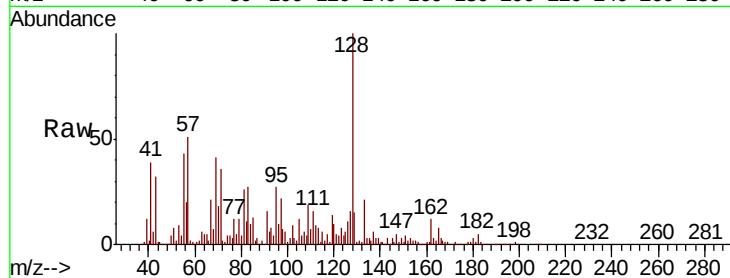




#95
Naphthalene
Concen: 127.427 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	19.4	10.3	15.5#
129	19.8	8.7	13.1#



#96
1,2,3-Trichlorobenzene
Concen: 9.052 ug/l
RT: 15.39 min Scan# 2240
Delta R.T. -0.03 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	32.5	47.6	142.9#
145	983.3	15.1	45.3#

