

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051920\
 Data File : VY002717.D
 Acq On : 19 May 2020 12:40
 Operator : SY/MD
 Sample : L2665-02
 Misc : 5.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 20 04:11:40 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	277360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	432465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	318503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	128886	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	129425	59.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.32%	
35) Dibromofluoromethane	7.73	113	88863	37.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.46%	
50) Toluene-d8	10.18	98	789426	82.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	164.32%	
62) 4-Bromofluorobenzene	12.47	95	233252	70.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.26%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.96	59	17327	78.641	ug/l #	74
13) Acrolein	3.71	56	1399	5.414	ug/l #	1
14) Allyl chloride	4.57	41	5511	1.578	ug/l #	61
15) Acrylonitrile	5.24	53	25613	41.601	ug/l #	39
16) Acetone	3.95	43	118221	264.334	ug/l #	86
17) Carbon Disulfide	4.20	76	138406	18.137	ug/l #	95
19) Methyl tert-butyl Ether	5.24	73	57764	9.572	ug/l #	1
20) Methylene Chloride	4.73	84	6351	2.349	ug/l #	23
25) 2-Butanone	7.00	43	54444	73.575	ug/l #	86
29) Tetrahydrofuran	7.36	42	917	1.821	ug/l #	30
30) Chloroform	7.47	83	18864	4.390	ug/l #	20
31) Cyclohexane	7.78	56	1209053	287.893	ug/l #	85
36) 1,1-Dichloropropene	7.80	75	18508	5.055	ug/l #	36
37) Ethyl Acetate	7.00	43	54444	30.236	ug/l #	72
38) Carbon Tetrachloride	7.80	117	24145	6.136	ug/l #	16
39) Methylcyclohexane	9.19	83	4680501	950.806	ug/l	96
40) Benzene	8.17	78	72321	6.770	ug/l	98
41) Methacrylonitrile	7.36	41	5960	5.509	ug/l #	100
42) 1,2-Dichloroethane	8.28	62	4023	1.428	ug/l #	1
43) Isopropyl Acetate	8.27	43	373978	111.755	ug/l #	50
45) 1,2-Dichloropropane	9.19	63	43238	17.055	ug/l #	1
46) Dibromomethane	9.27	93	1669	1.172	ug/l #	1
47) Bromodichloromethane	9.47	83	118111	33.976	ug/l #	37
48) Methyl methacrylate	9.24	41	204664	132.830	ug/l #	26
51) 4-Methyl-2-Pentanone	10.17	43	205709	119.062	ug/l #	41
52) Toluene	10.24	92	11181	1.617	ug/l	80
55) 1,1,2-Trichloroethane	10.62	97	996708	470.017	ug/l #	20
56) Ethyl methacrylate	10.52	69	345365	122.336	ug/l #	2
58) 2-Chloroethyl Vinyl ether	9.90	63	5712	4.099	ug/l	91
59) 2-Hexanone	10.80	43	1780365	1479.048	ug/l #	25
60) Dibromochloromethane	10.91	129	3727	1.376	ug/l	56
61) 1,2-Dibromoethane	11.10	107	4060	1.943	ug/l #	2
67) Ethyl Benzene	11.60	91	442977	40.992	ug/l	100
68) m/p-Xylenes	11.70	106	197148	46.893	ug/l	96

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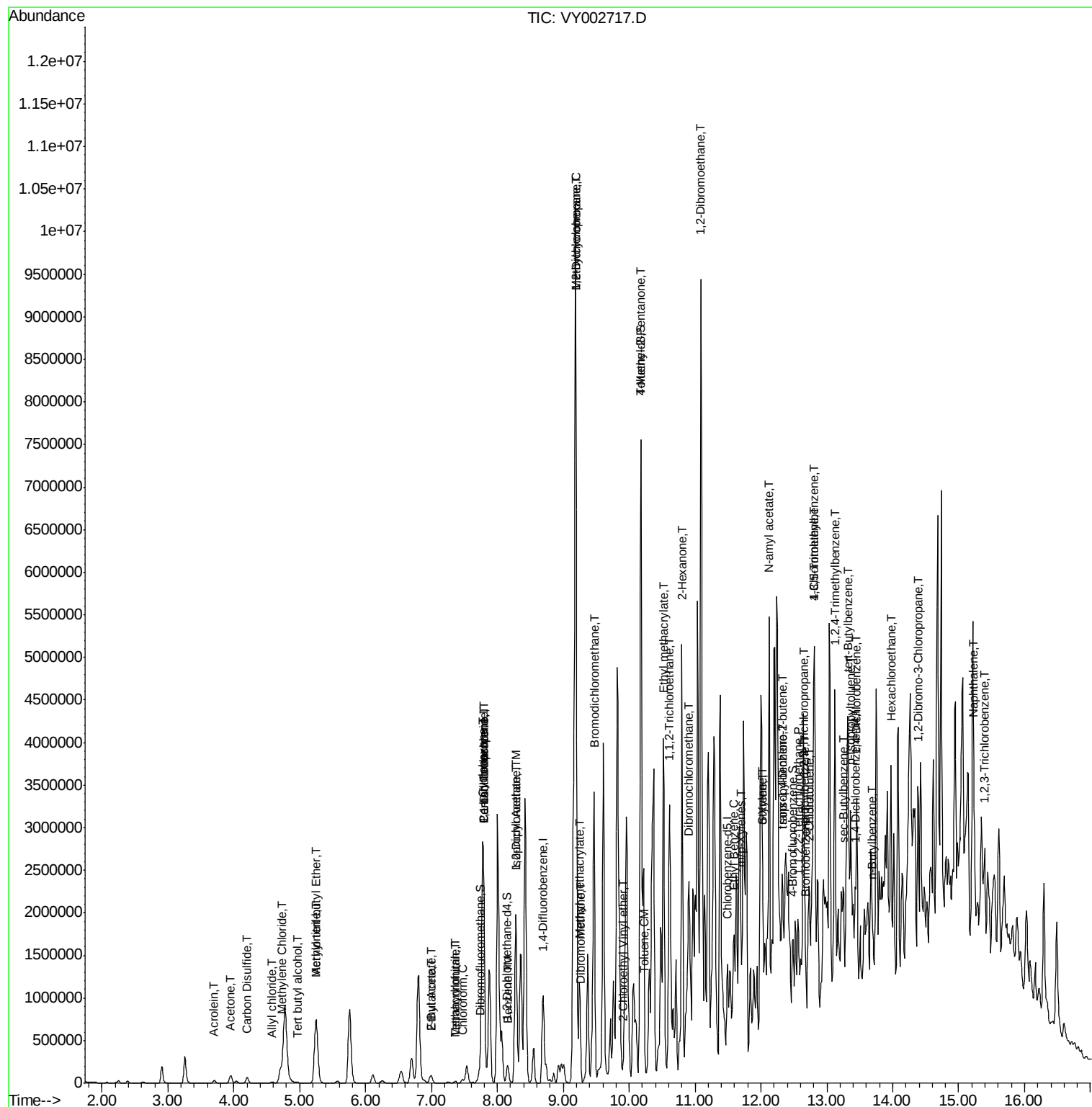
69) o-Xylene	12.03	106	134521	34.090	ug/l	94
70) Styrene	12.03	104	8015	1.183	ug/l #	1
73) Isopropylbenzene	12.33	105	423000	50.227	ug/l	100
74) N-amyl acetate	12.13	43	923591	467.352	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.56	83	65224	52.594	ug/l #	72
76) 1,2,3-Trichloropropane	12.66	75	6375	6.021	ug/l #	100
77) Bromobenzene	12.68	156	61377	29.151	ug/l #	1
78) n-propylbenzene	12.67	91	573880	58.577	ug/l	99
79) 2-Chlorotoluene	12.74	91	32311	5.946	ug/l	71
80) 1,3,5-Trimethylbenzene	12.81	105	617987	87.332	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	5309	9.483	ug/l #	1
82) 4-Chlorotoluene	12.81	91	81203	14.267	ug/l	69
83) tert-Butylbenzene	13.31	119	152419	24.338	ug/l	74
84) 1,2,4-Trimethylbenzene	13.12	105	1694046	239.540	ug/l	99
85) sec-Butylbenzene	13.25	105	339261	39.258	ug/l #	75
86) p-Isopropyltoluene	13.37	119	465501	57.547	ug/l	93
88) 1,4-Dichlorobenzene	13.45	146	6568	1.625	ug/l #	1
89) n-Butylbenzene	13.70	91	371406	49.998	ug/l #	68
90) Hexachloroethane	13.97	117	85631	57.154	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.38	75	2802	11.782	ug/l #	30
93) 1,2,4-Trichlorobenzene	15.05	180	7757	Below Cal	#	1
94) Hexachlorobutadiene	15.11	225	148	Below Cal	#	61
95) Naphthalene	15.23	128	813883	162.319	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.39	180	17881	4.950	ug/l #	1

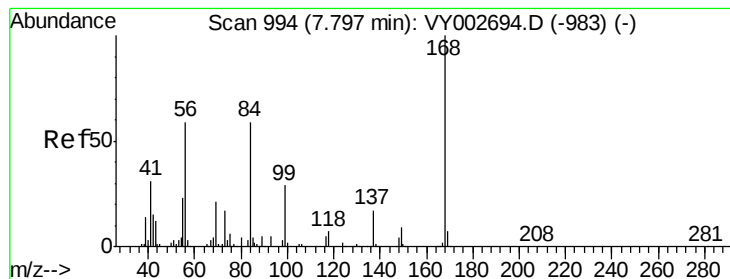
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

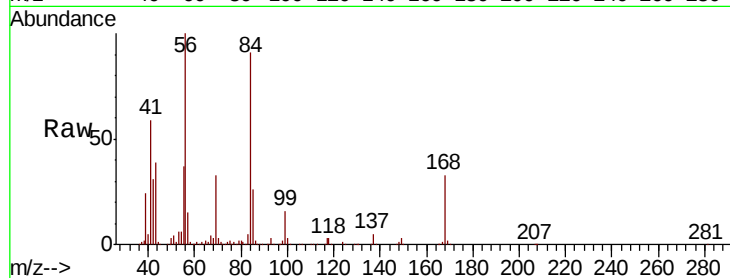
ClientSampleId :

Tot Ion:168 Resp: 277360

Ion Ratio Lower Upper

168 100

99 49.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002717.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002717.D (-945) (-)

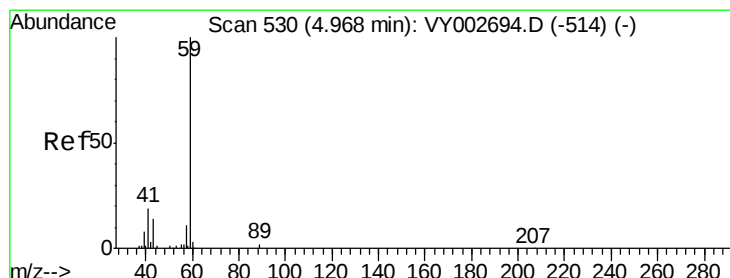
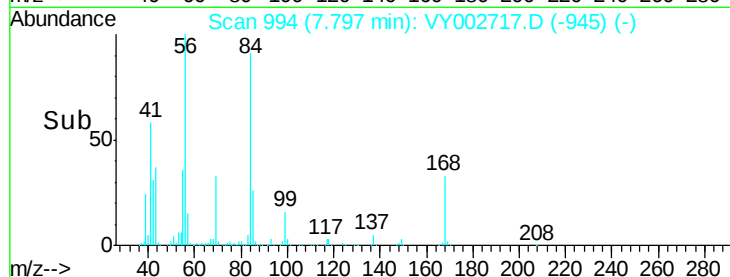
7.80

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 78.641 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002717.D

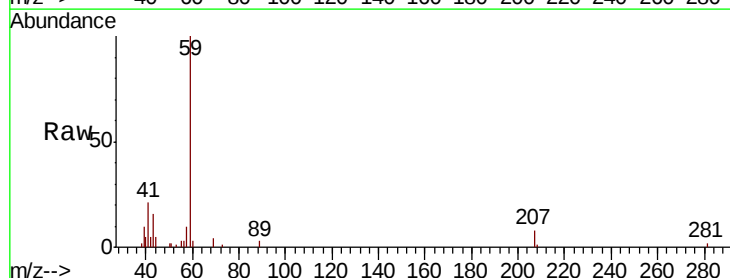
Acq: 19 May 2020 12:40

Tgt Ion: 59 Resp: 17327

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002717.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002717.D (-481) (-)

4.96

40000

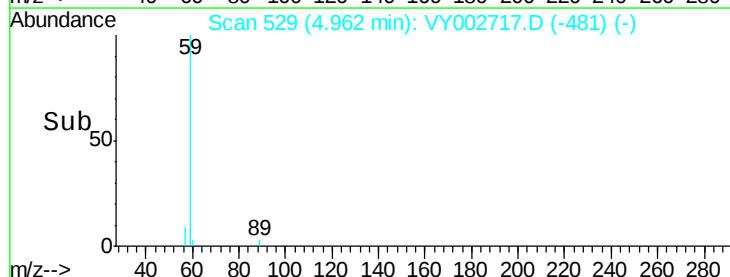
30000

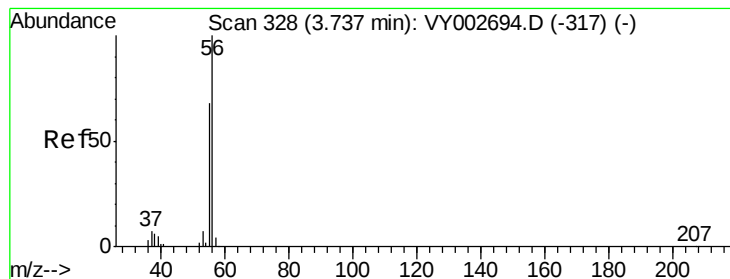
20000

10000

0

Time-->





#13

Acrolein

Concen: 5.414 ug/l

RT: 3.71 min Scan# 323

Delta R.T. -0.03 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

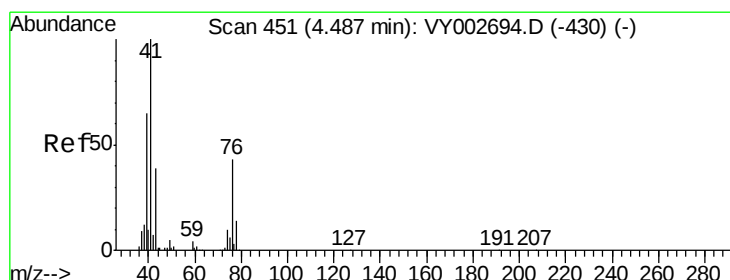
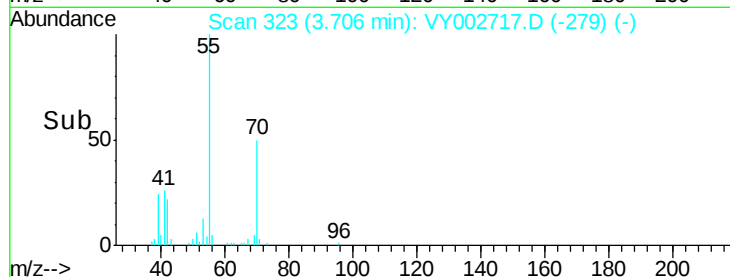
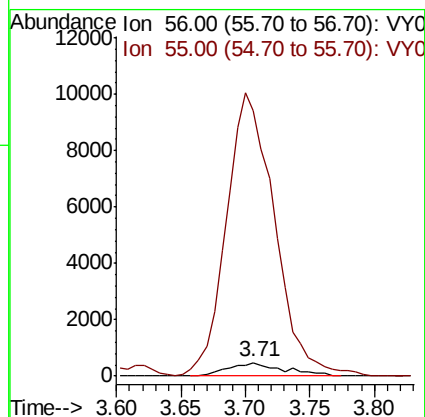
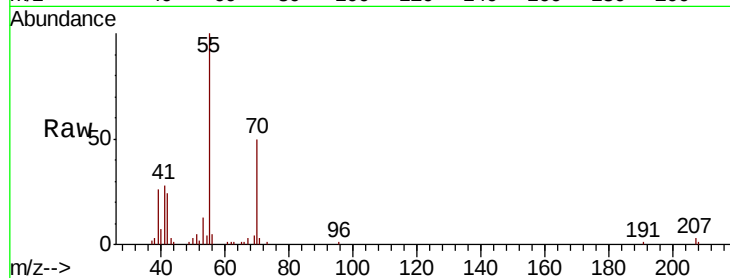
ClientSampled :

Tot Ion: 56 Resp: 1399

Ion Ratio Lower Upper

56 100

55 1876.3 54.8 82.2#



#14

Allyl chloride

Concen: 1.578 ug/l

RT: 4.57 min Scan# 465

Delta R.T. 0.09 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

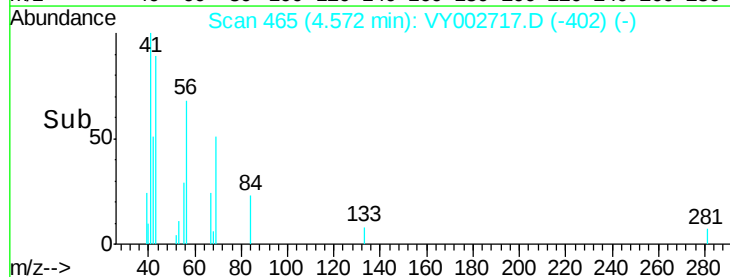
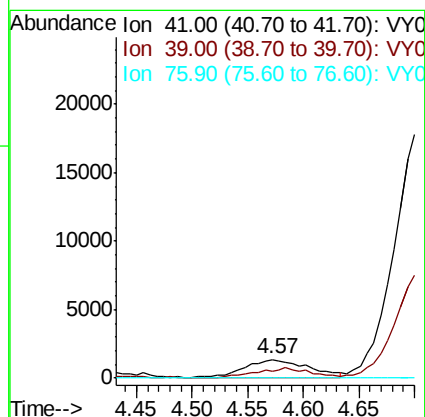
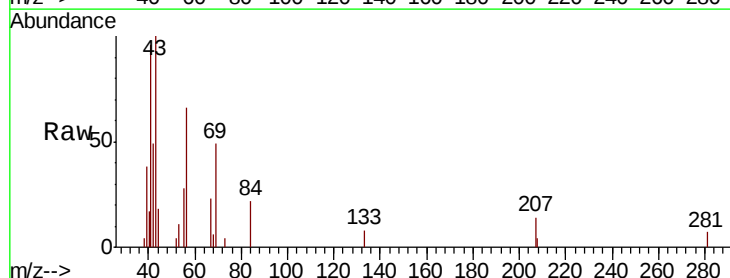
Tgt Ion: 41 Resp: 5511

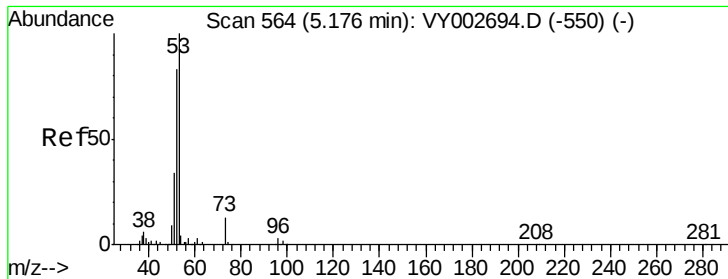
Ion Ratio Lower Upper

41 100

39 46.1 50.3 75.5#

76 0.0 33.2 49.8#





#15

Acrylonitrile

Concen: 41.601 ug/l

RT: 5.24 min Scan# 575

Delta R.T. 0.07 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

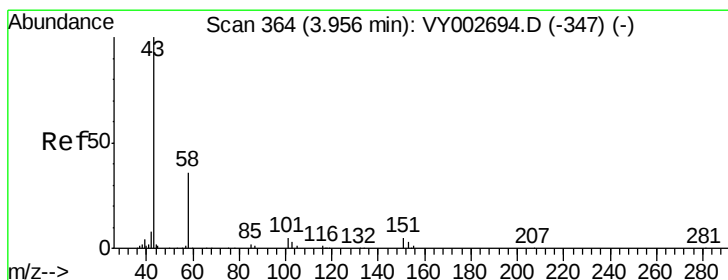
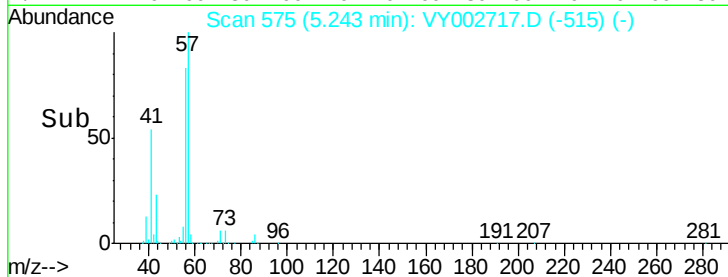
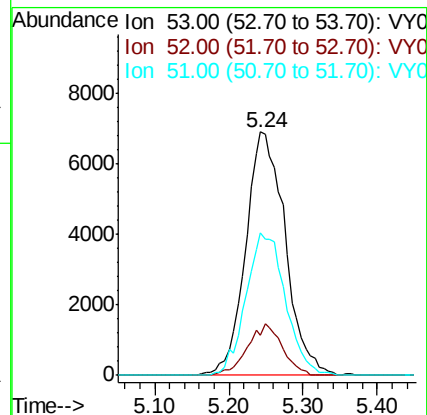
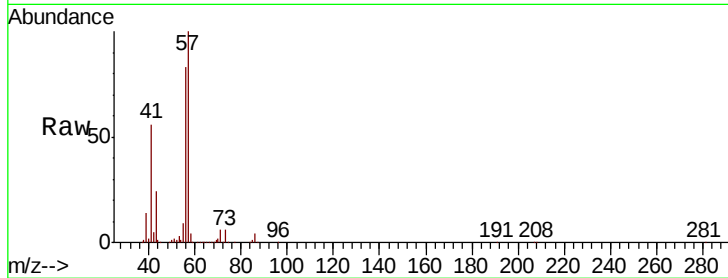
Tot Ion: 53 Resp: 25613

Ion Ratio Lower Upper

53 100

52 18.8 65.0 97.6#

51 58.5 27.9 41.9#



#16

Acetone

Concen: 264.334 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY002717.D

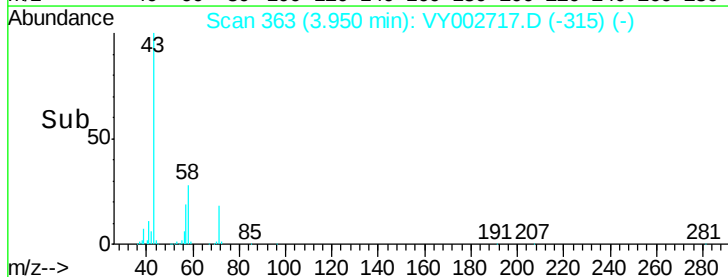
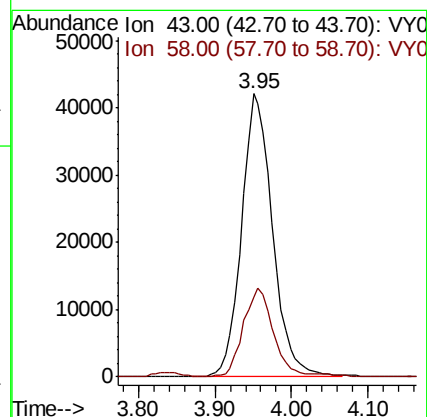
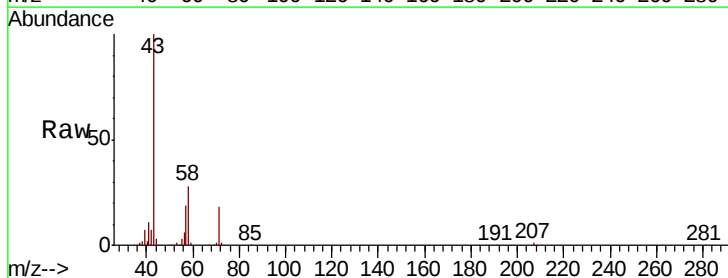
Acq: 19 May 2020 12:40

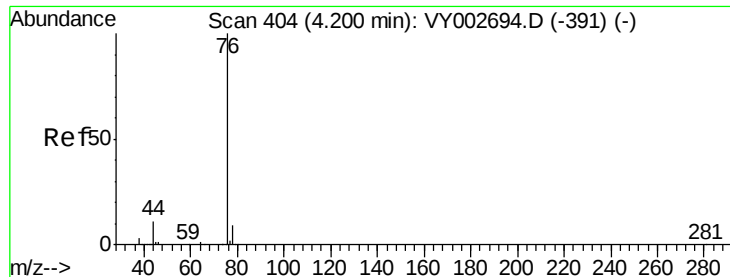
Tgt Ion: 43 Resp: 118221

Ion Ratio Lower Upper

43 100

58 27.9 28.6 43.0#





#17

Carbon Disulfide

Concen: 18.137 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

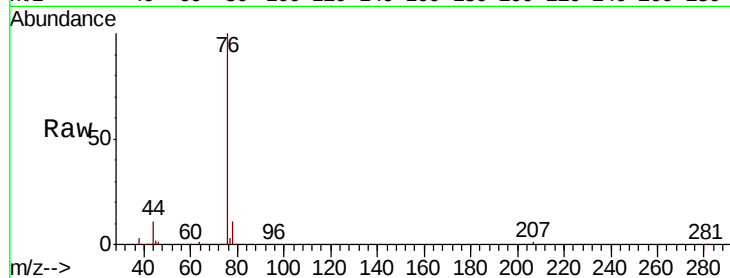
ClientSampled :

Tot Ion: 76 Resp: 138406

Ion Ratio Lower Upper

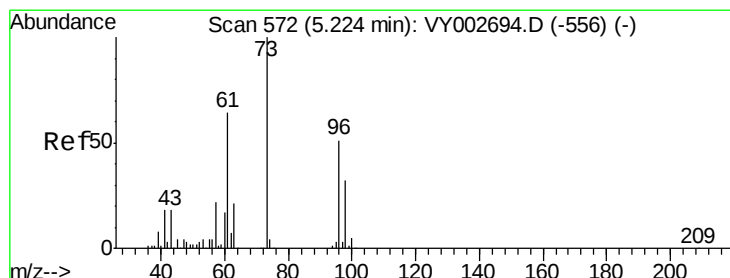
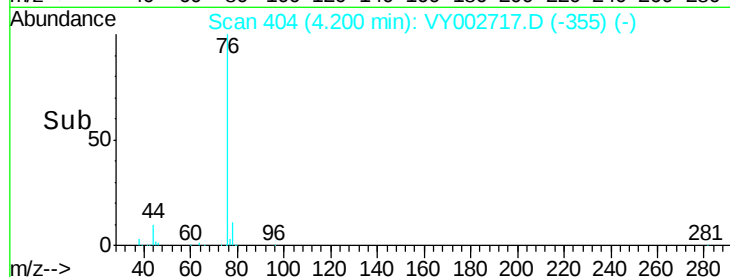
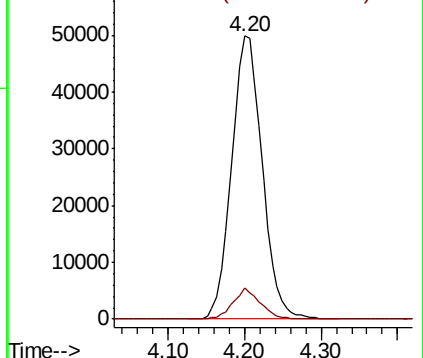
76 100

78 10.8 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#19

Methyl tert-butyl Ether

Concen: 9.572 ug/l

RT: 5.24 min Scan# 574

Delta R.T. 0.01 min

Lab File: VY002717.D

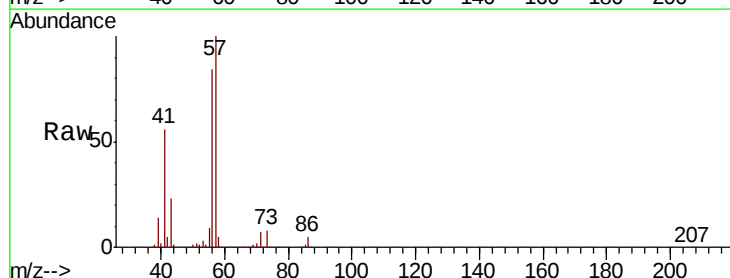
Acq: 19 May 2020 12:40

Tgt Ion: 73 Resp: 57764

Ion Ratio Lower Upper

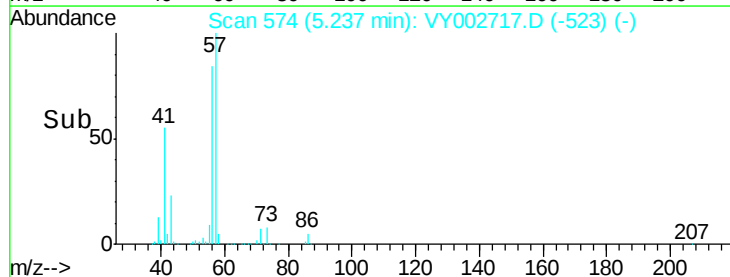
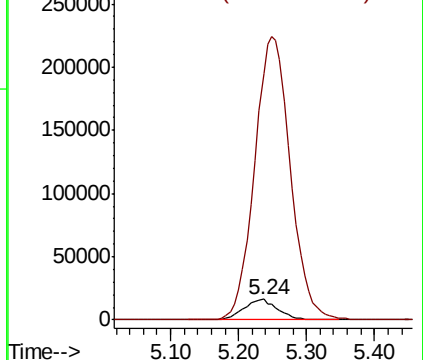
73 100

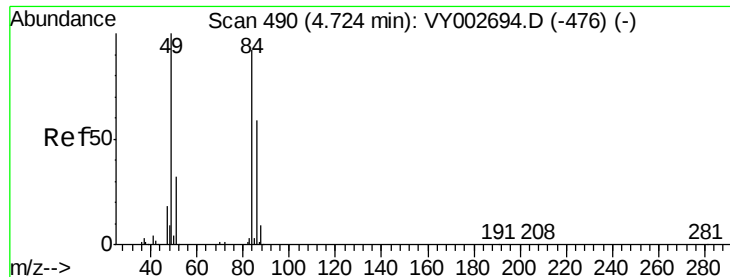
57 1210.3 17.3 25.9#



Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

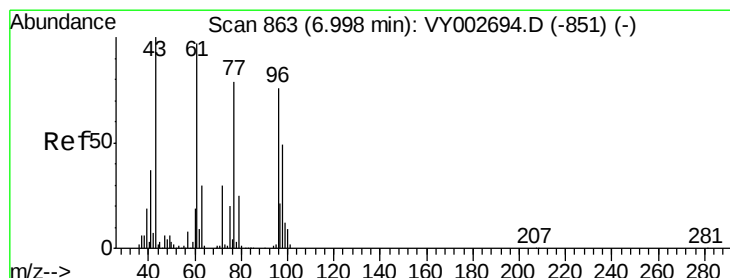
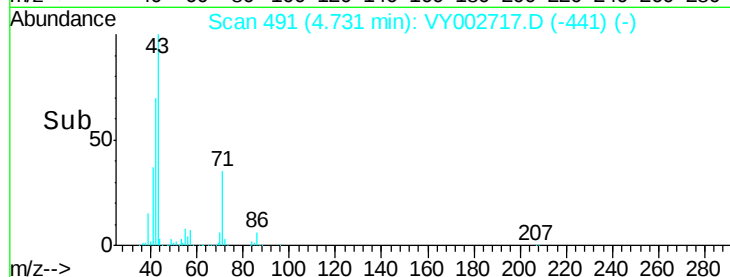
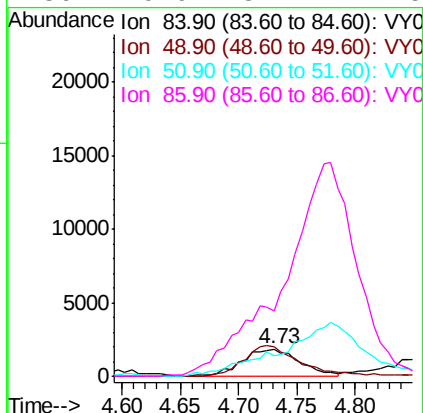
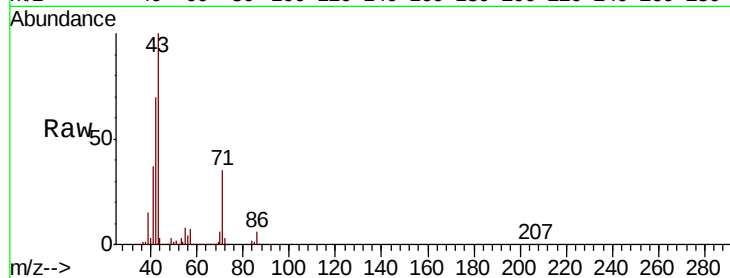




#20
Methvlene Chloride
Concen: 2.349 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

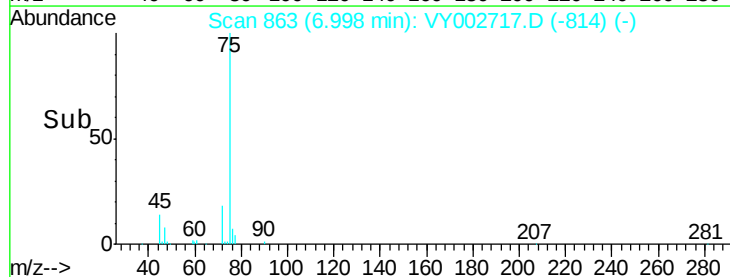
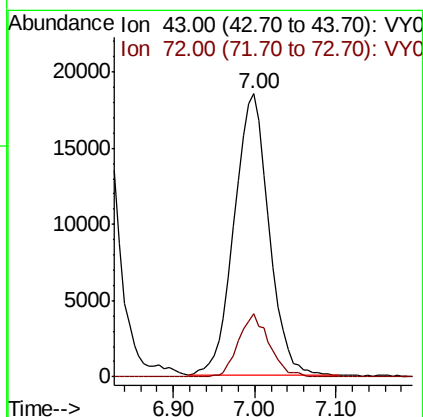
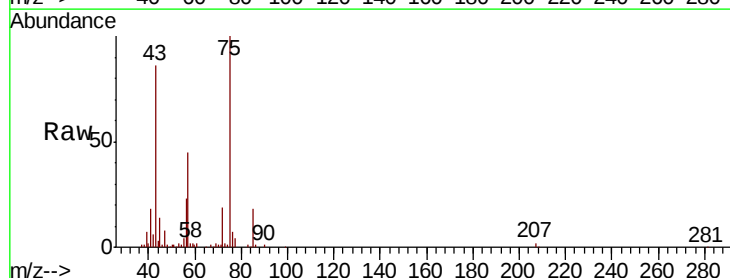
Instrument :
MSVOA_Y
ClientSampleId :

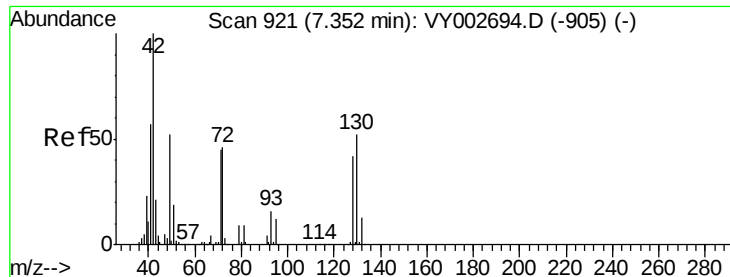
Tot Ion	84	Resp	6351
Ion	Ratio	Lower	Upper
84	100		
49	111.0	87.4	131.0
51	73.7	27.9	41.9#
86	229.9	51.7	77.5#



#25
2-Butanone
Concen: 73.575 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

Tgt Ion	43	Resp	54444
Ion	Ratio	Lower	Upper
43	100		
72	22.5	24.1	36.1#





#29

Tetrahydrofuran

Concen: 1.821 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

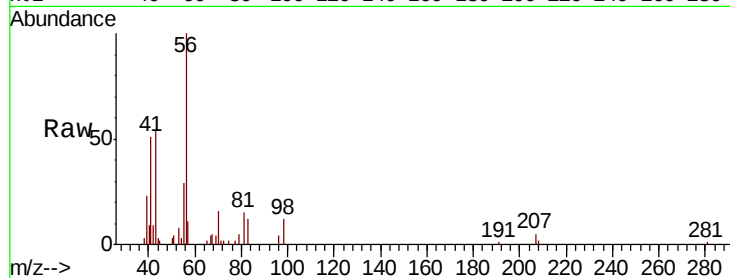
Tot Ion: 42 Resp: 917

Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.2#

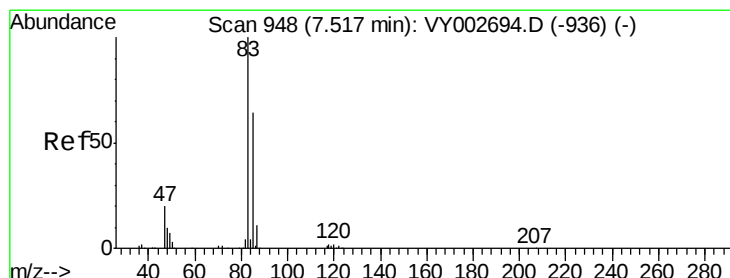
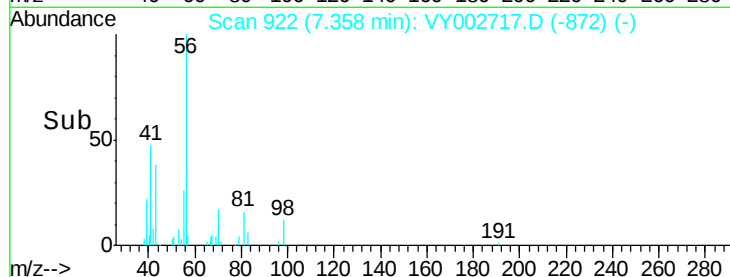
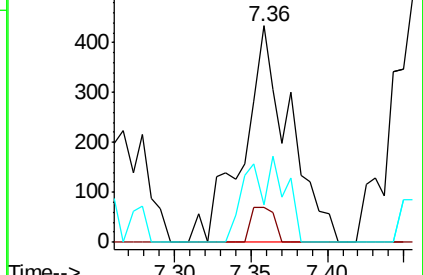
71 0.0 35.8 53.8#



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



#30

Chloroform

Concen: 4.390 ug/l

RT: 7.47 min Scan# 941

Delta R.T. -0.04 min

Lab File: VY002717.D

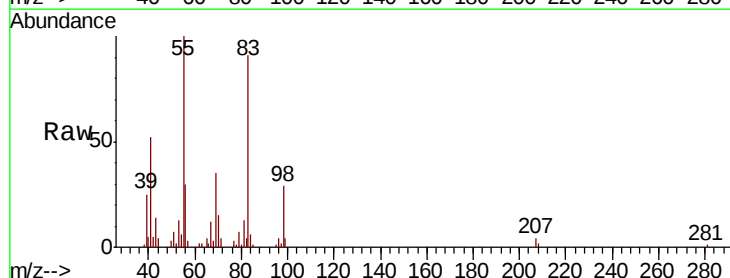
Acq: 19 May 2020 12:40

Tgt Ion: 83 Resp: 18864

Ion Ratio Lower Upper

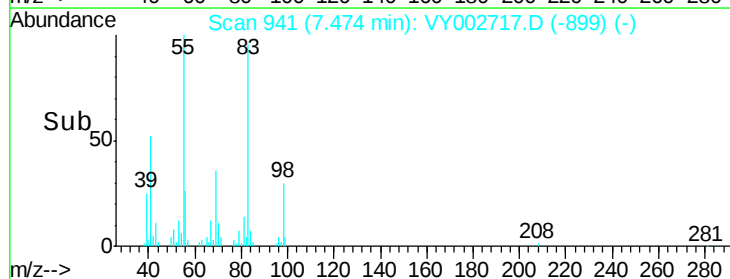
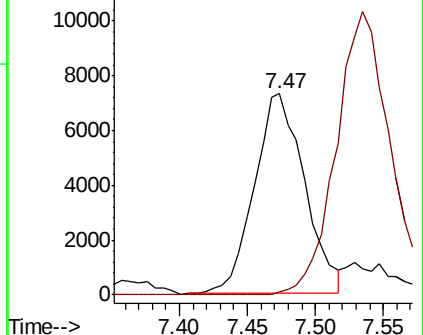
83 100

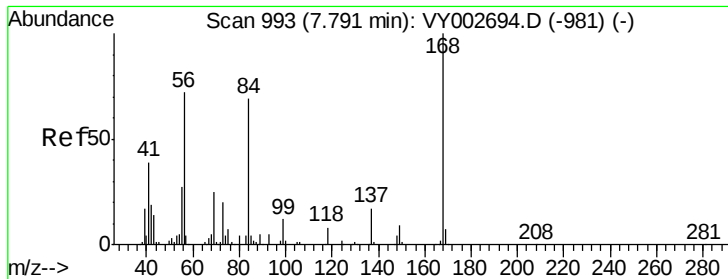
85 1.6 51.5 77.3#



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

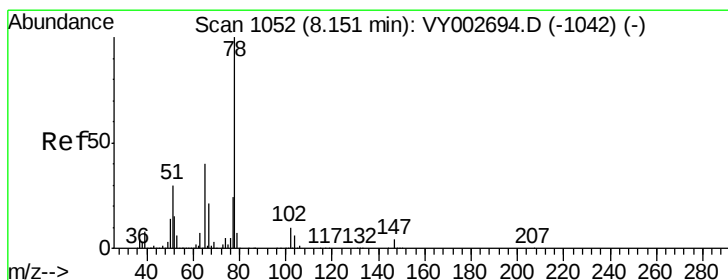
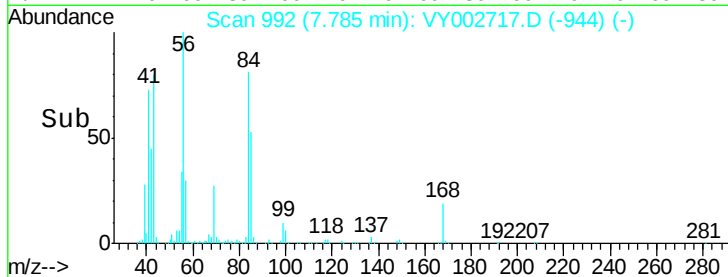
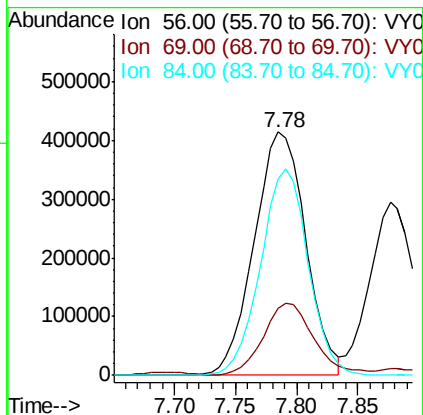
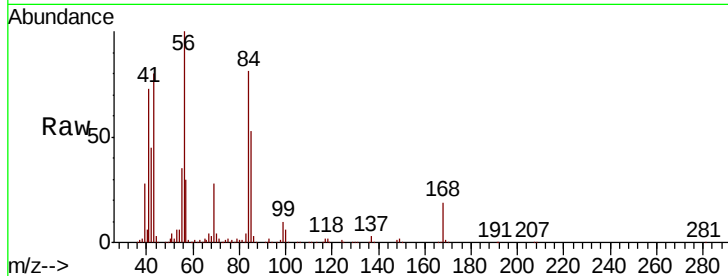




#31
Cyclohexane
Concen: 287.893 ug/l
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

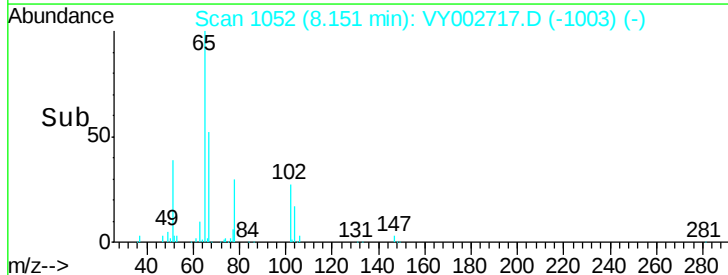
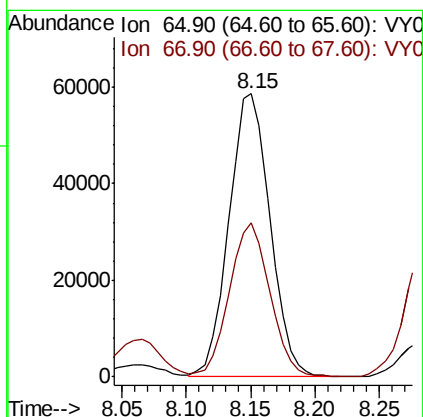
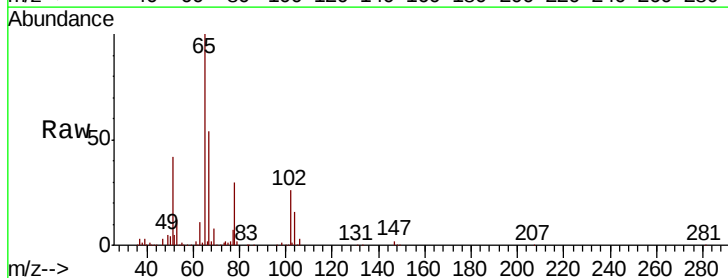
Instrument :
MSVOA_Y
ClientSampleId :

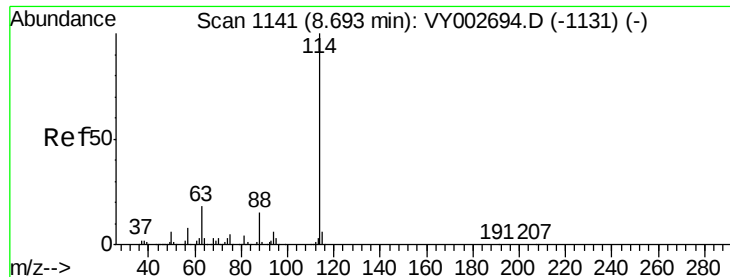
Tot Ion: 56 Resp: 1209053
Ion Ratio Lower Upper
56 100
69 26.8 27.7 41.5#
84 80.7 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 59.656 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

Tgt Ion: 65 Resp: 129425
Ion Ratio Lower Upper
65 100
67 53.5 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: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

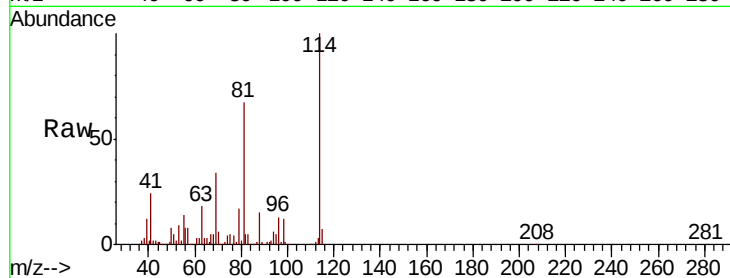
Tot Ion:114 Resp: 432465

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.4

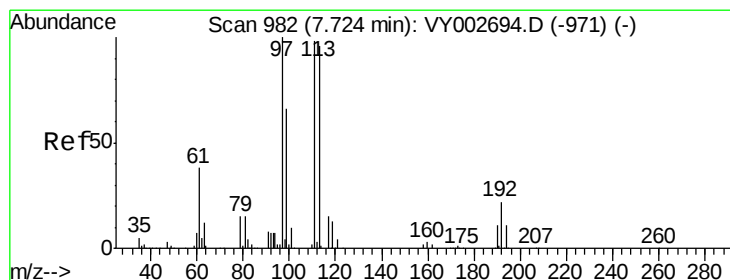
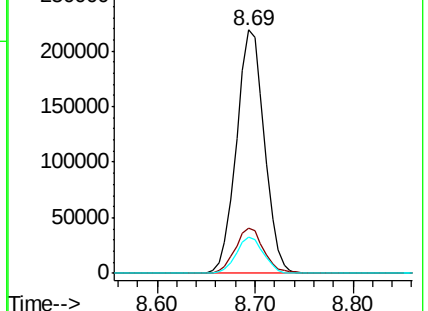
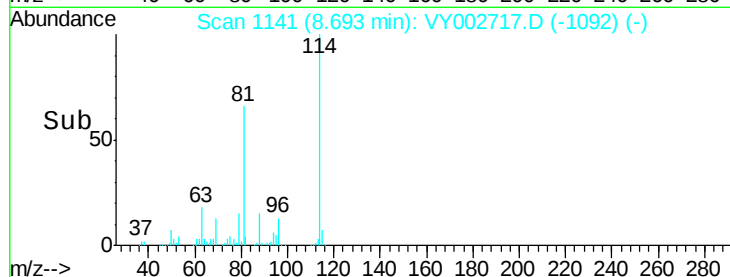
88 15.0 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 37.233 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

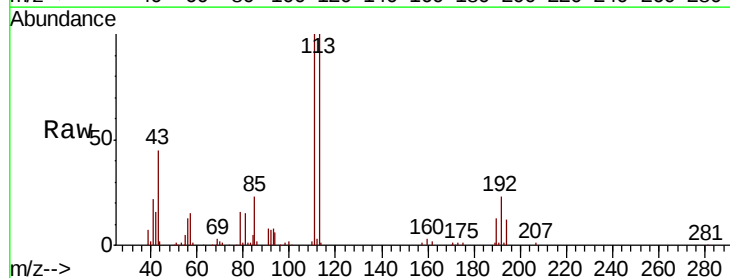
Tgt Ion:113 Resp: 88863

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

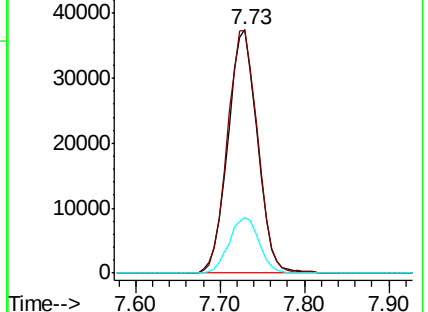
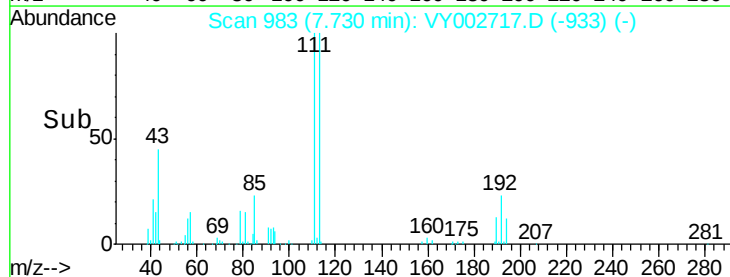
192 23.1 18.6 27.8

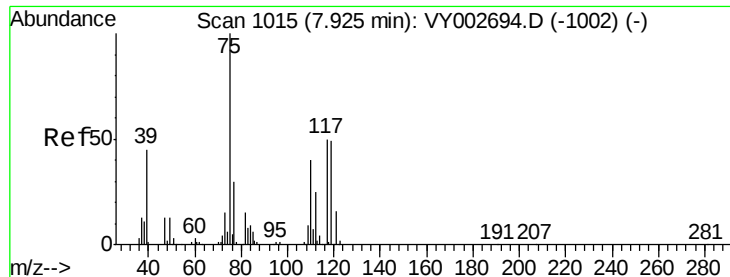


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

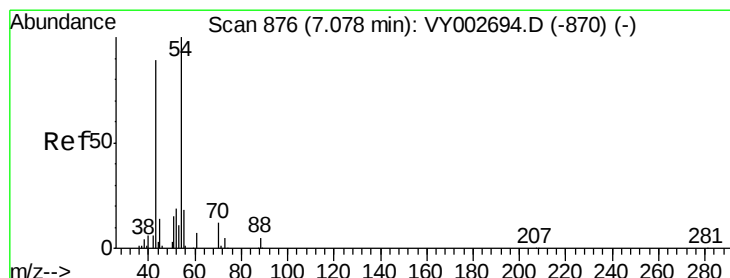
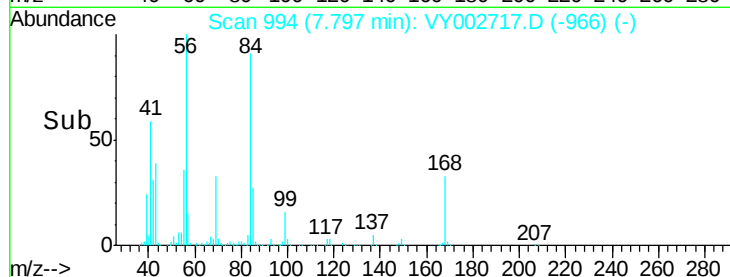
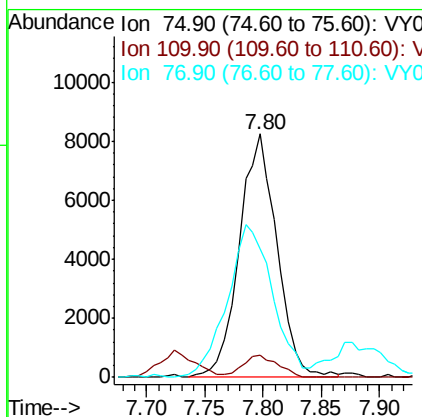
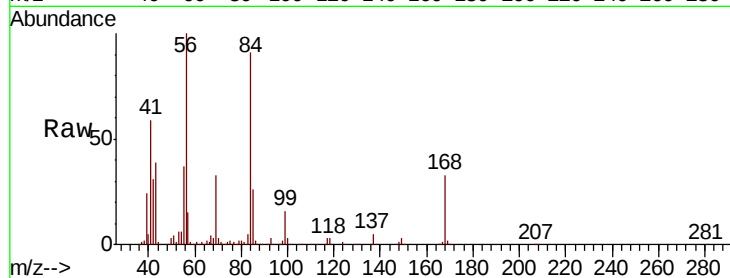




#36
 1,1-Dichloropropene
 Concen: 5.055 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002717.D
 Acq: 19 May 2020 12:40

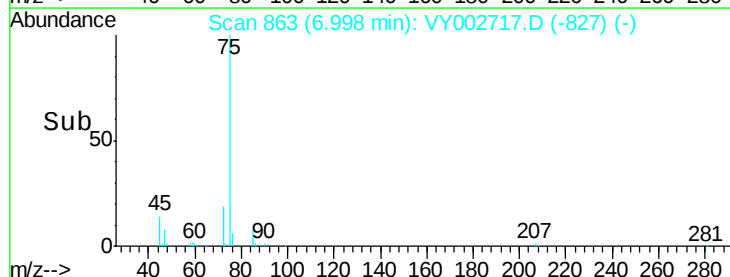
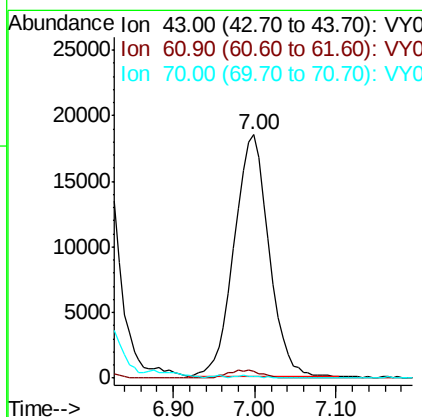
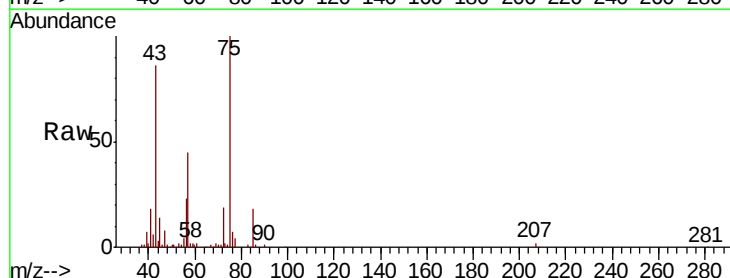
Instrument :
 MSVOA_Y
 ClientSampled :

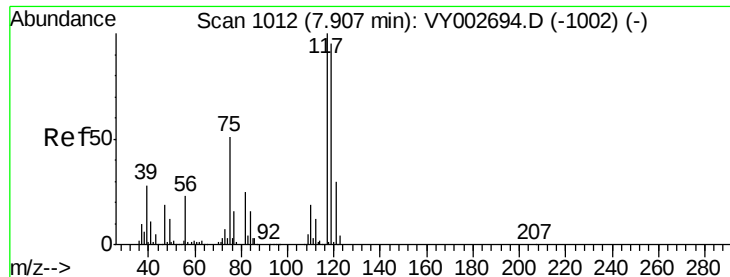
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	19.4	58.4#
77	75.9	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 30.236 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.08 min
 Lab File: VY002717.D
 Acq: 19 May 2020 12:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	3.2	11.8	17.8#
70	0.7	9.2	13.8#





#38

Carbon Tetrachloride

Concen: 6.136 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampled :

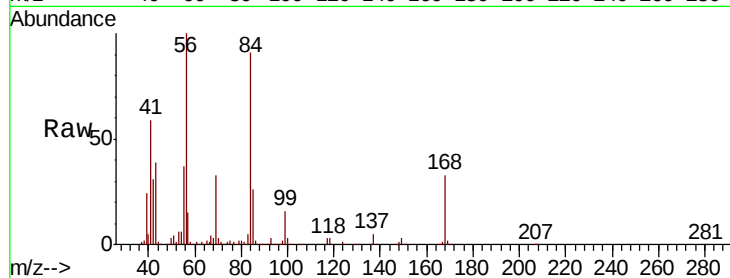
Tot Ion:117 Resp: 24145

Ion Ratio Lower Upper

117 100

119 4.6 76.3 114.5#

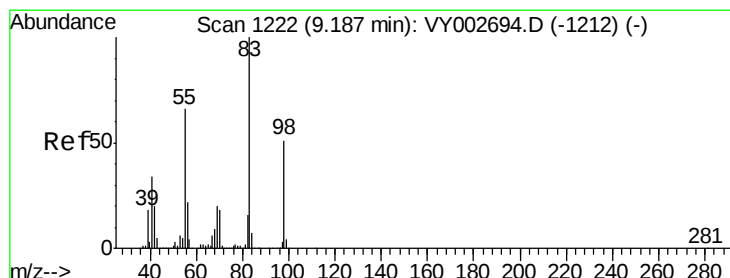
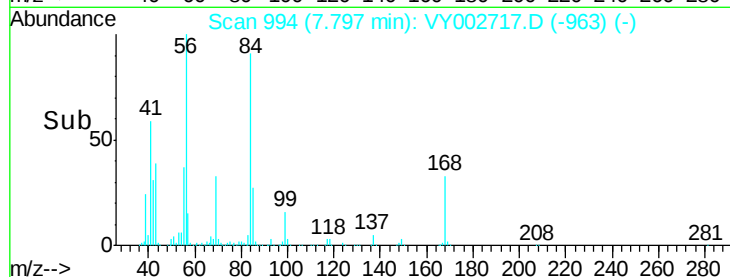
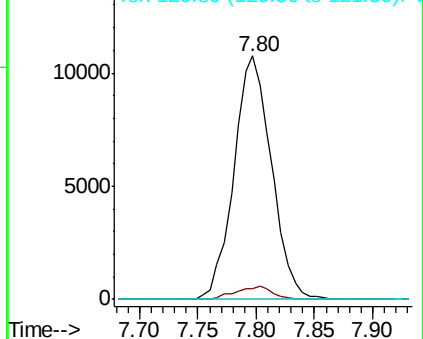
121 0.0 24.2 36.2#



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



#39

Methylcyclohexane

Concen: 950.806 ug/l

RT: 9.19 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

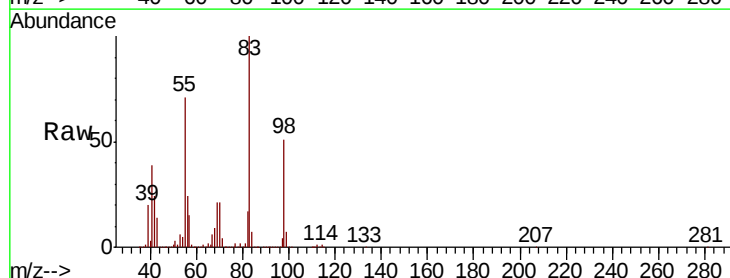
Tgt Ion: 83 Resp: 4680501

Ion Ratio Lower Upper

83 100

55 71.3 53.0 79.6

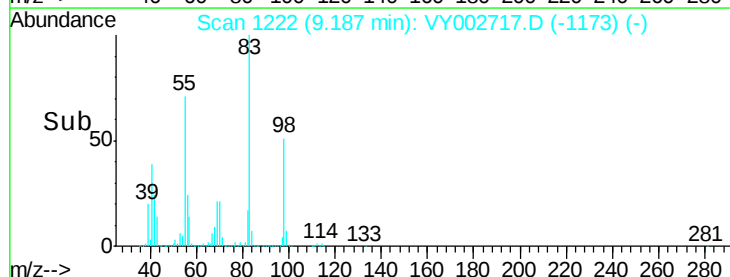
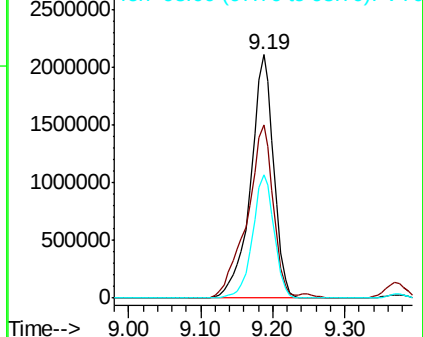
98 50.7 40.8 61.2

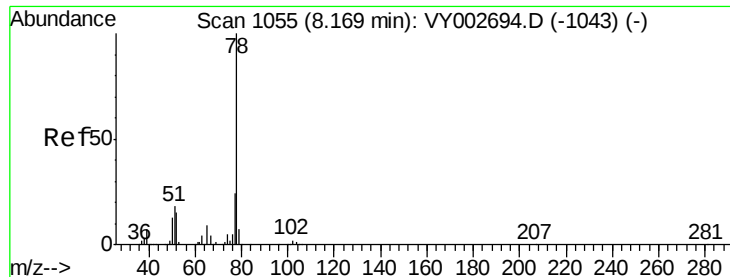


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#40

Benzene

Concen: 6.770 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

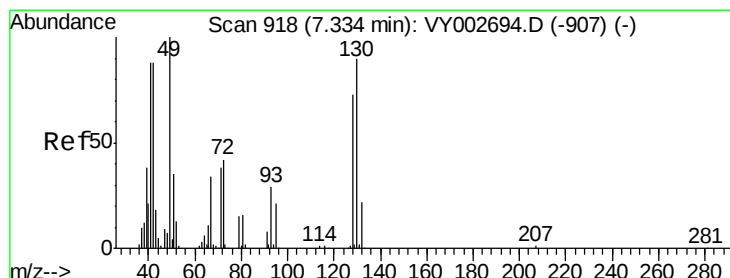
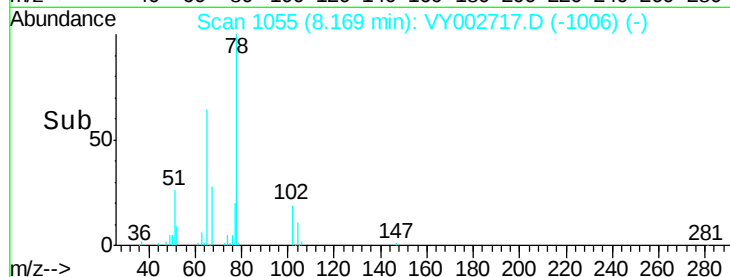
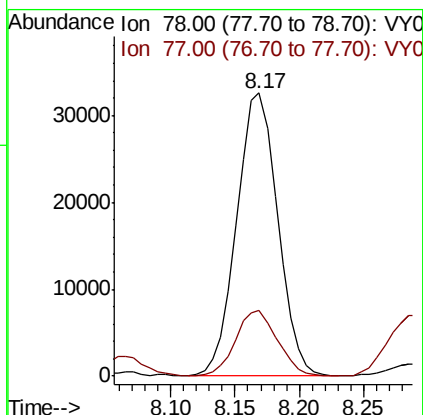
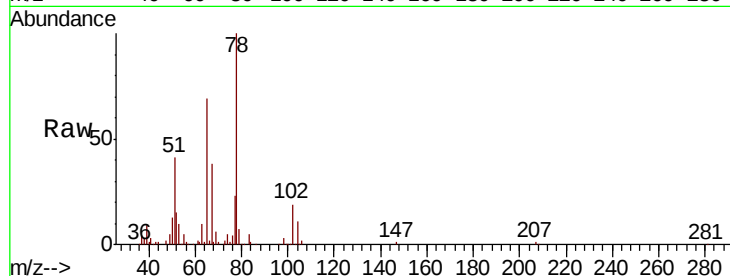
ClientSampleId :

Tot Ion: 78 Resp: 72321

Ion Ratio Lower Upper

78 100

77 23.1 19.2 28.8



#41

Methacrylonitrile

Concen: 5.509 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.02 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Tgt Ion: 41 Resp: 5960

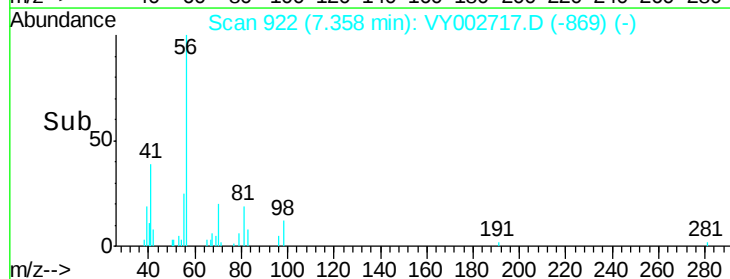
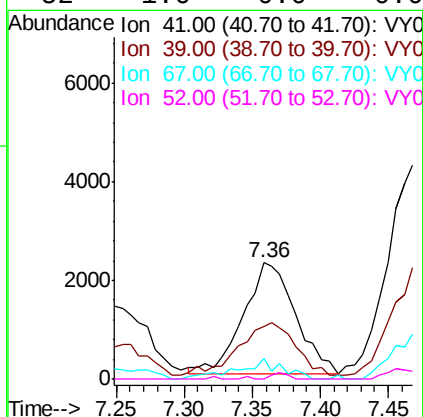
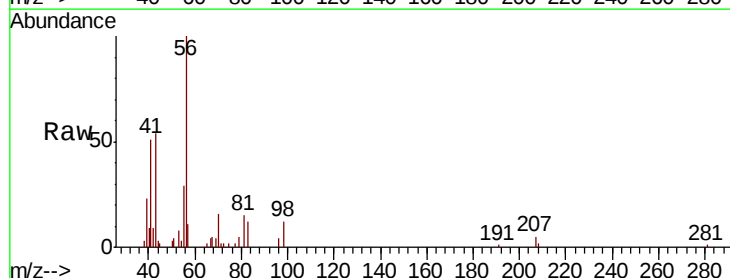
Ion Ratio Lower Upper

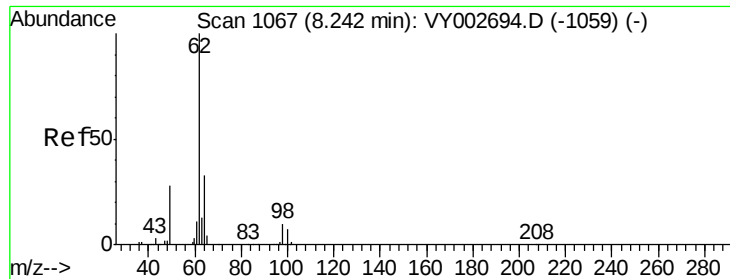
41 100

39 52.8 0.0 0.0#

67 0.0 0.0 0.0

52 1.6 0.0 0.0#





#42

1,2-Dichloroethane

Concen: 1.428 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.04 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

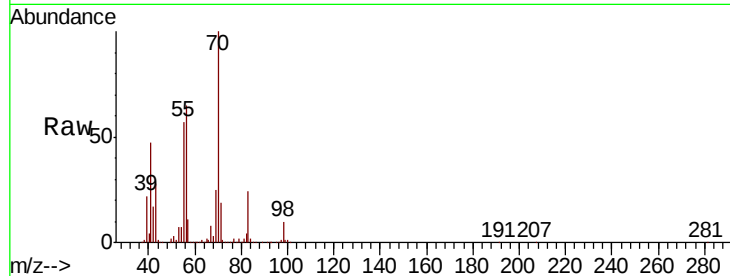
ClientSampleId :

Tot Ion: 62 Resp: 4023

Ion Ratio Lower Upper

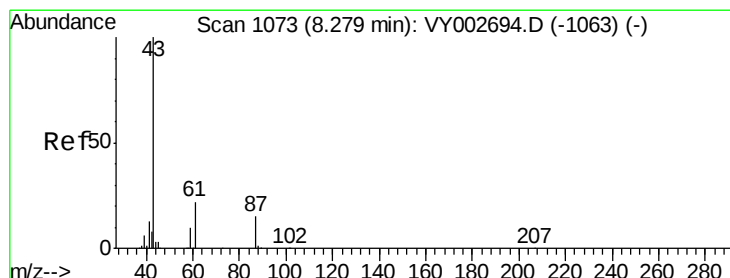
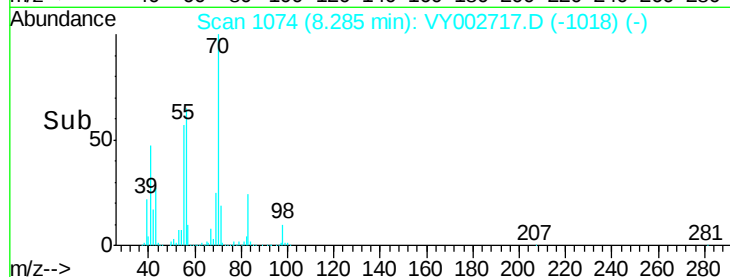
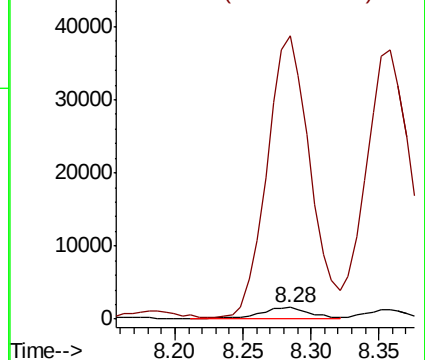
62 100

98 2120.6 0.0 21.8#



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#43

Isopropyl Acetate

Concen: 111.755 ug/l

RT: 8.27 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

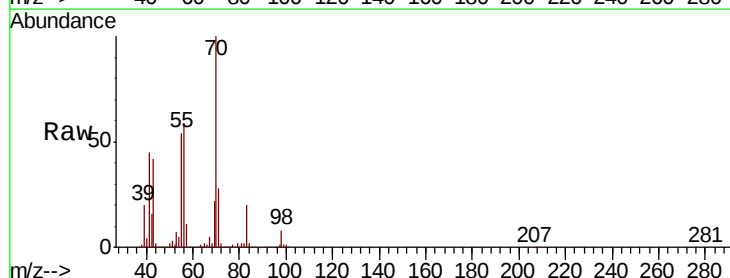
Tgt Ion: 43 Resp: 373978

Ion Ratio Lower Upper

43 100

61 0.4 24.9 37.3#

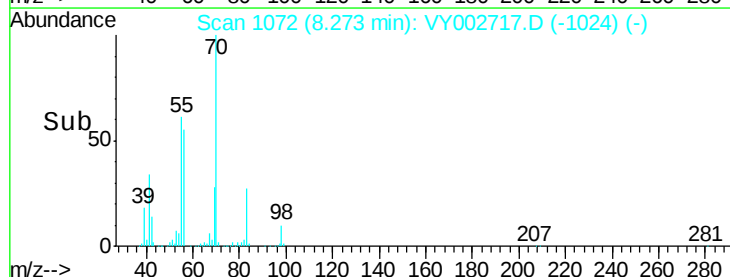
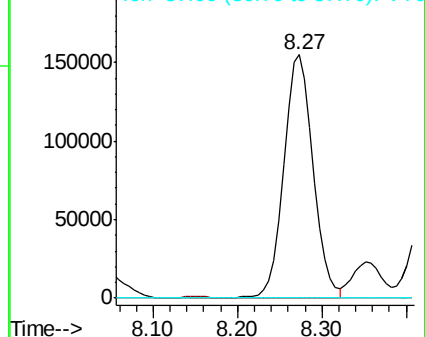
87 0.0 12.6 19.0#

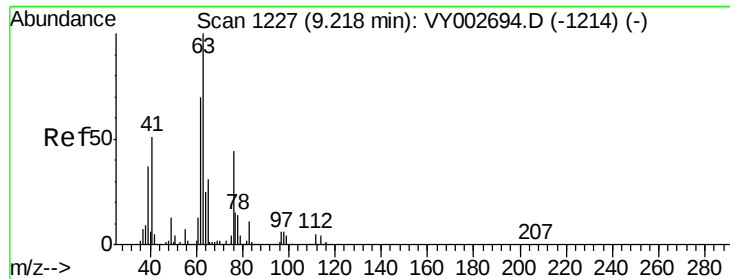


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0





#45

1,2-Dichloropropane

Concen: 17.055 ug/l

RT: 9.19 min Scan# 1222

Delta R.T. -0.03 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

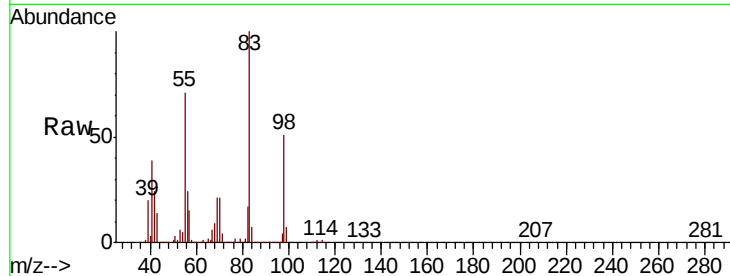
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 63 Resp: 43238

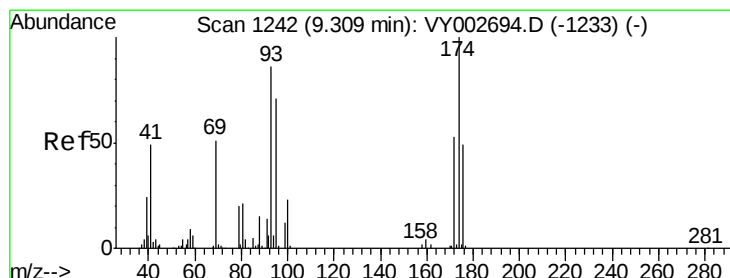
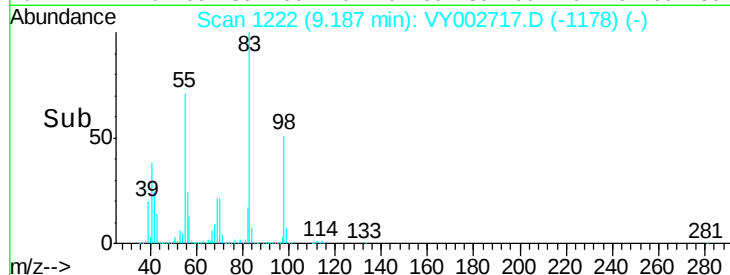
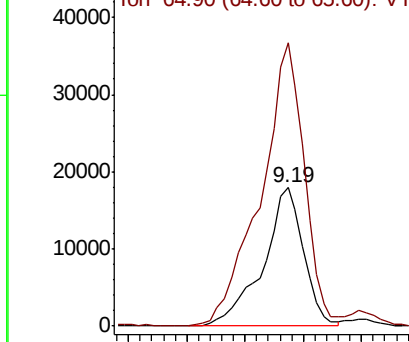
Ion Ratio Lower Upper

63 100

65 203.6 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VY0
Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 1.172 ug/l

RT: 9.27 min Scan# 1235

Delta R.T. -0.04 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

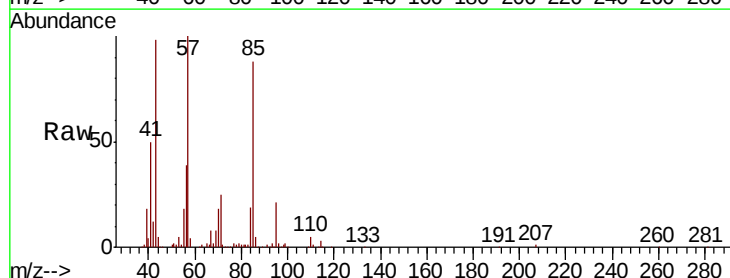
Tgt Ion: 93 Resp: 1669

Ion Ratio Lower Upper

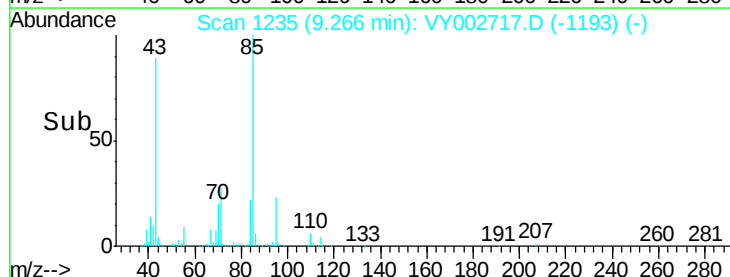
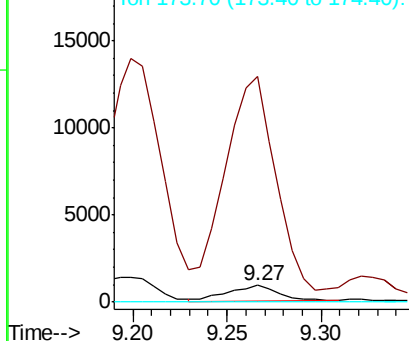
93 100

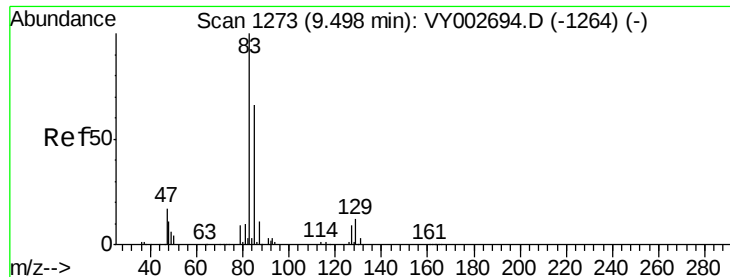
95 1475.4 66.5 99.7#

174 0.0 95.6 143.4#



Abundance Ion 92.80 (92.50 to 93.50): VY0
Ion 94.80 (94.50 to 95.50): VY0
Ion 173.70 (173.40 to 174.40): VY0





#47

Bromodichloromethane

Concen: 33.976 ug/l

RT: 9.47 min Scan# 1268

Delta R.T. -0.03 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :

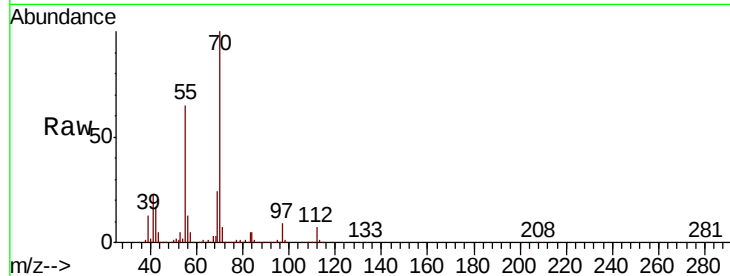
Tot Ion: 83 Resp: 118111

Ion Ratio Lower Upper

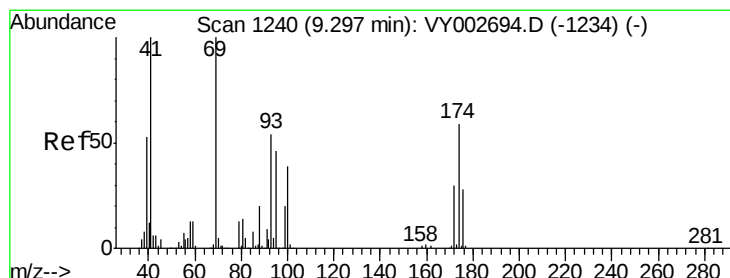
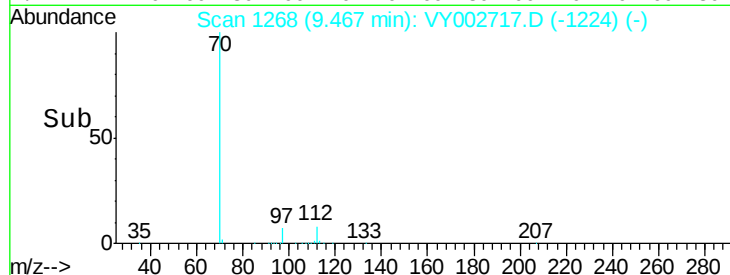
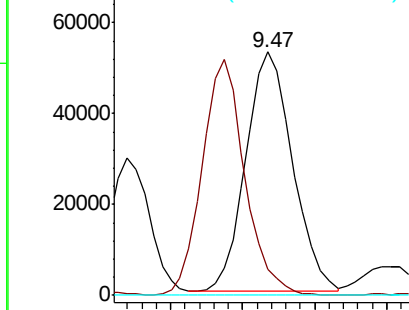
83 100

85 10.9 52.4 78.6#

127 0.0 7.6 11.4#



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 132.830 ug/l

RT: 9.24 min Scan# 1231

Delta R.T. -0.05 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

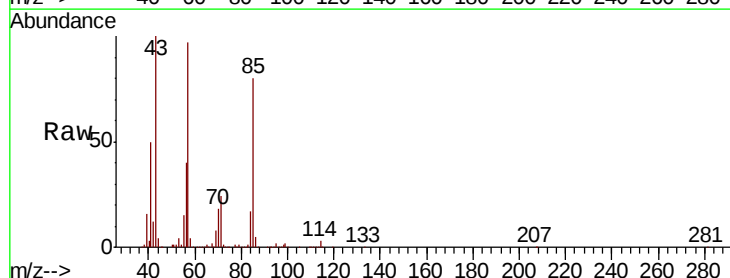
Tgt Ion: 41 Resp: 204664

Ion Ratio Lower Upper

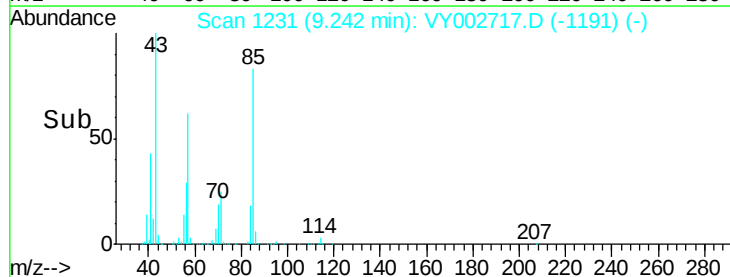
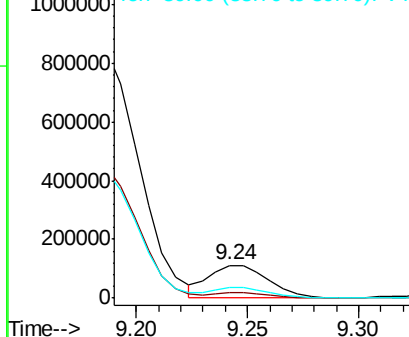
41 100

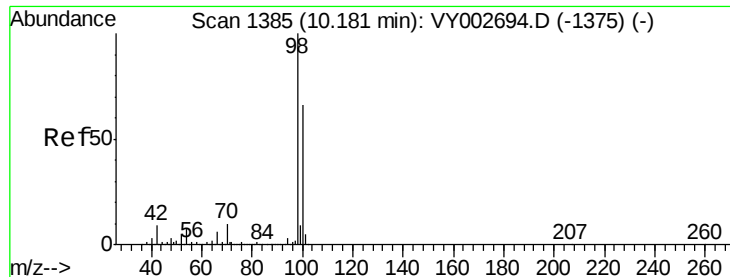
69 0.0 78.7 118.1#

39 33.3 42.9 64.3#



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





#50

Toluene-d8

Concen: 82.155 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

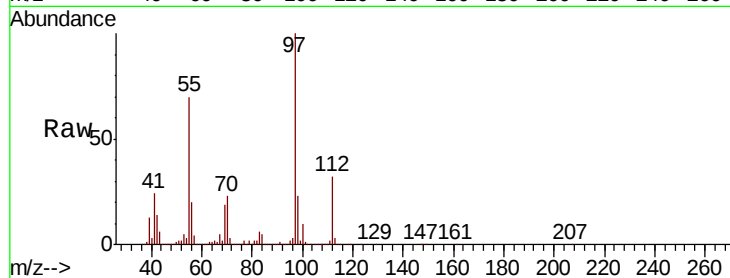
ClientSampleId :

Tot Ion: 98 Resp: 789426

Ion Ratio Lower Upper

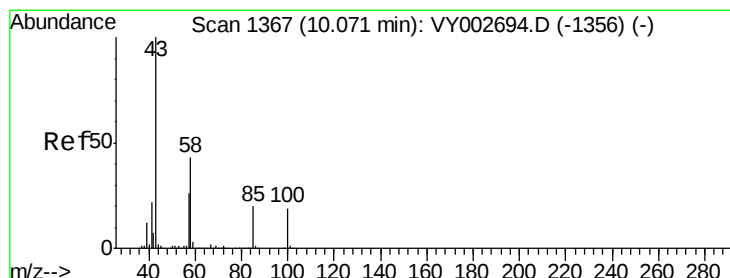
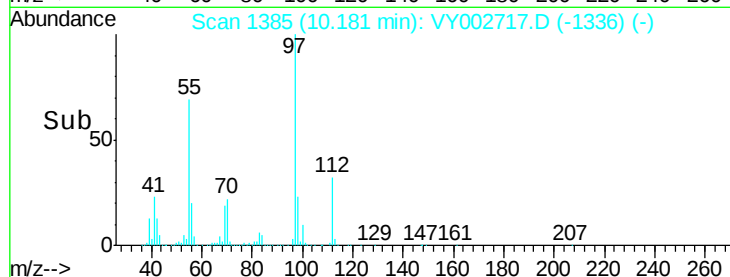
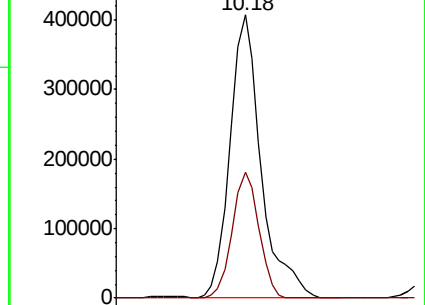
98 100

100 38.2 52.3 78.5#



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#51

4-Methyl-2-Pentanone

Concen: 119.062 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY002717.D

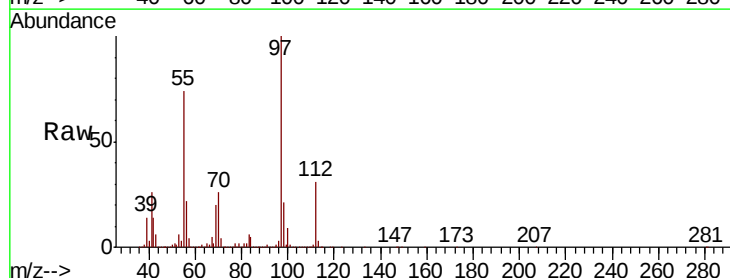
Acq: 19 May 2020 12:40

Tgt Ion: 43 Resp: 205709

Ion Ratio Lower Upper

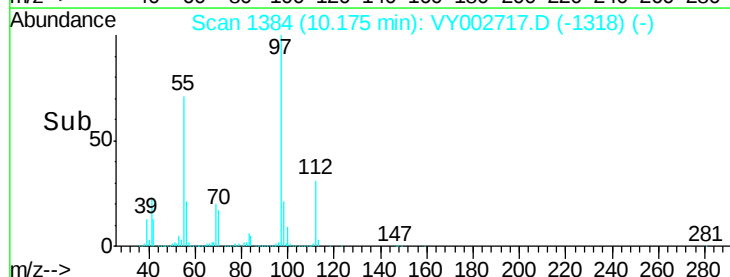
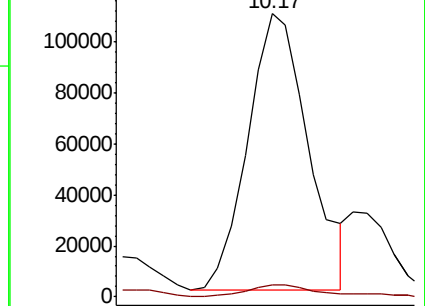
43 100

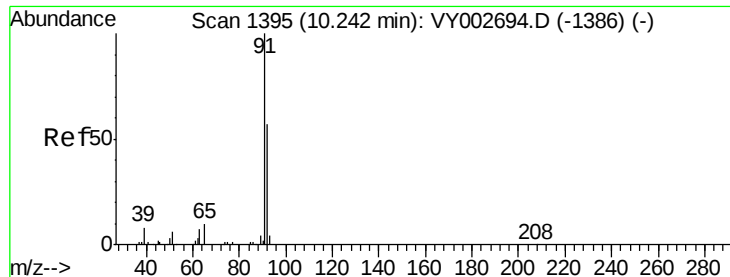
58 5.2 34.1 51.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#52

Toluene

Concen: 1.617 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

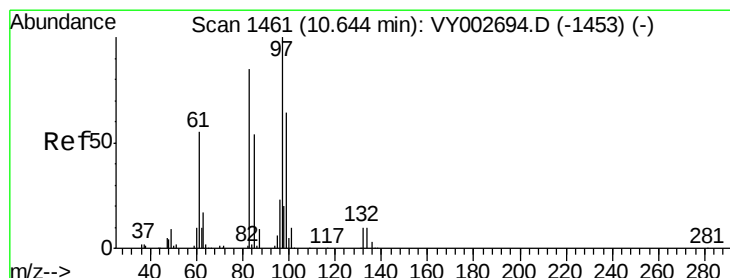
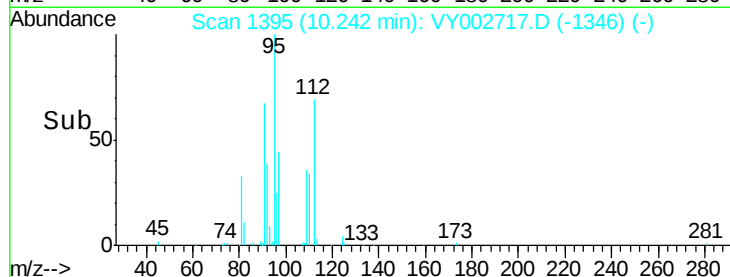
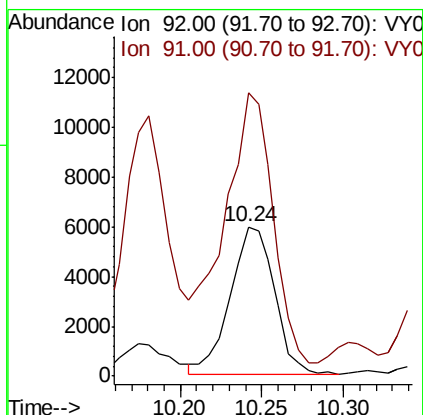
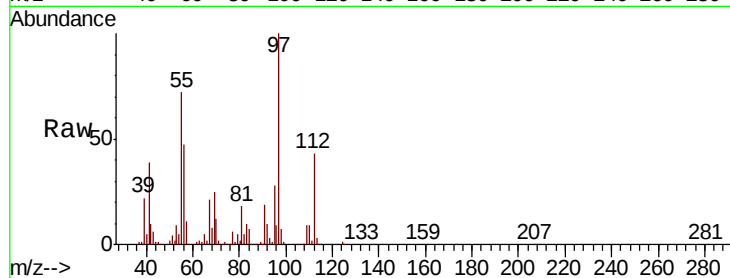
ClientSampleId :

Tot Ion: 92 Resp: 11181

Ion Ratio Lower Upper

92 100

91 200.7 138.8 208.2



#55

1,1,2-Trichloroethane

Concen: 470.017 ug/l

RT: 10.62 min Scan# 1457

Delta R.T. -0.02 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Tgt Ion: 97 Resp: 996708

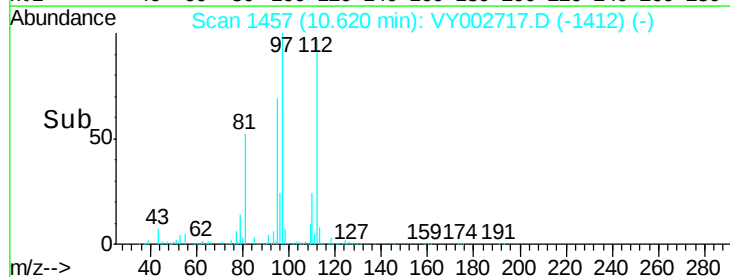
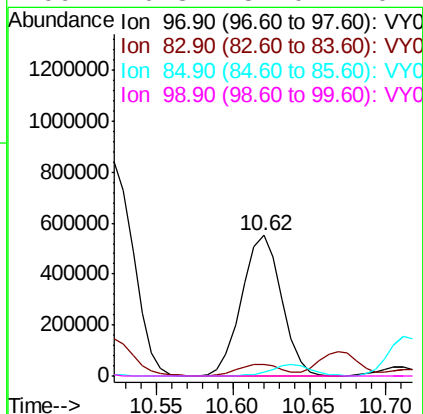
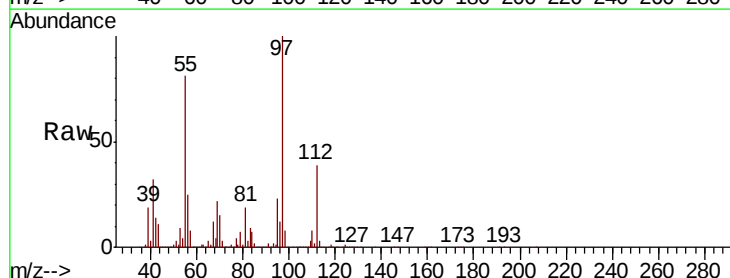
Ion Ratio Lower Upper

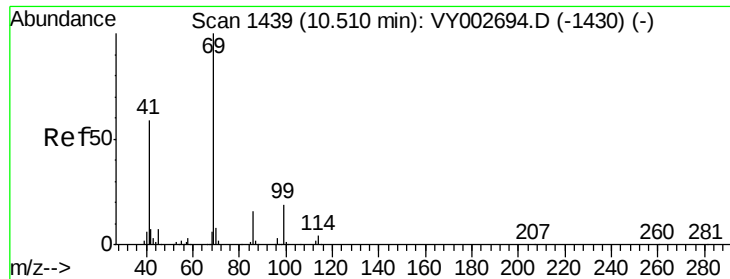
97 100

83 8.2 68.1 102.1#

85 2.4 43.1 64.7#

99 0.3 51.0 76.4#





#56

Ethyl methacrylate

Concen: 122.336 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.01 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

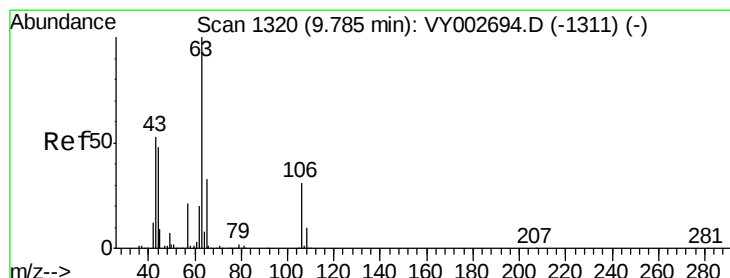
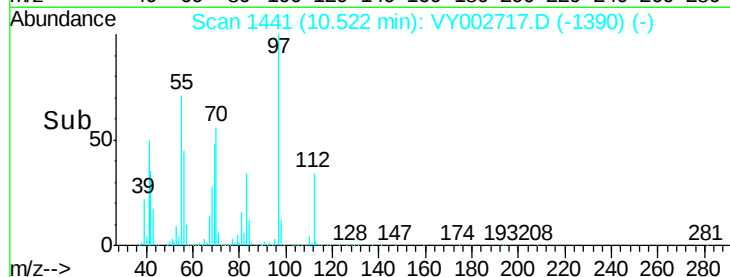
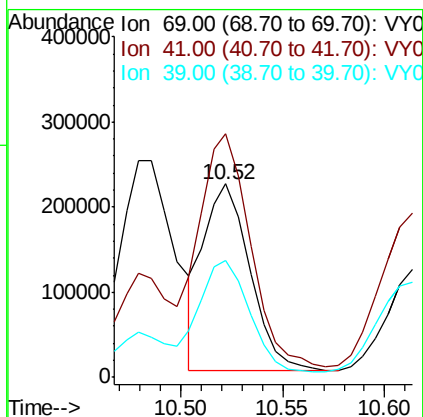
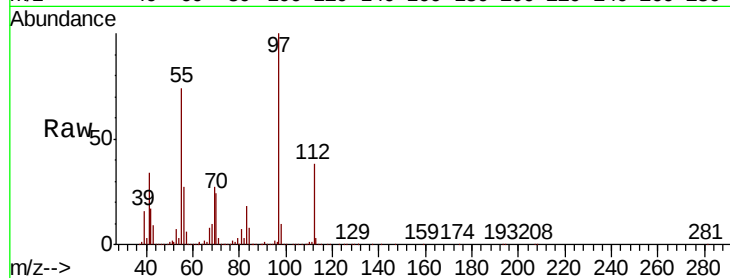
Tot Ion: 69 Resp: 345365

Ion Ratio Lower Upper

69 100

41 141.8 48.0 72.0#

39 66.7 22.1 33.1#



#58

2-Chloroethyl Vinyl ether

Concen: 4.099 ug/l

RT: 9.90 min Scan# 1339

Delta R.T. 0.12 min

Lab File: VY002717.D

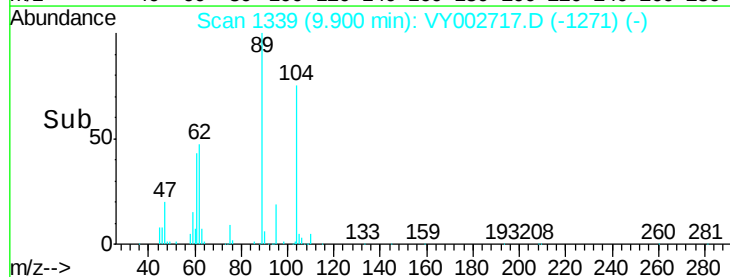
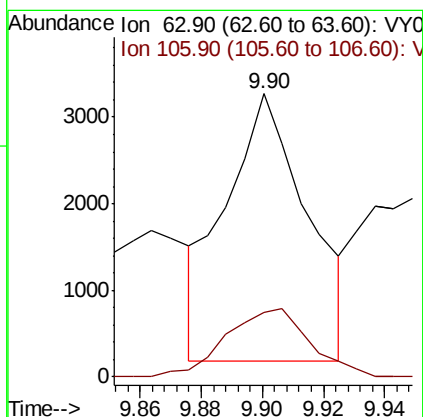
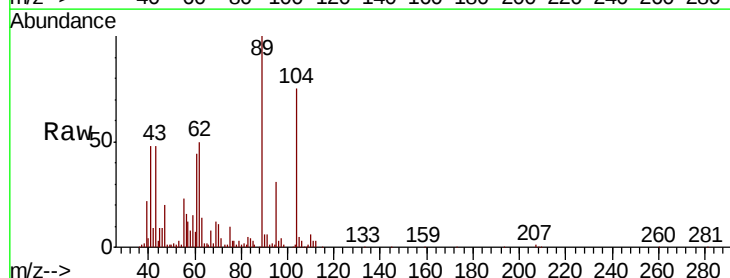
Acq: 19 May 2020 12:40

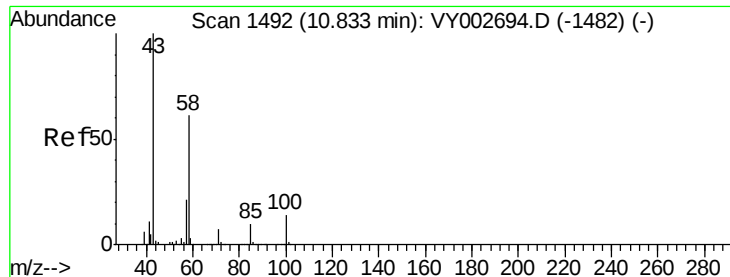
Tgt Ion: 63 Resp: 5712

Ion Ratio Lower Upper

63 100

106 26.2 25.1 37.7

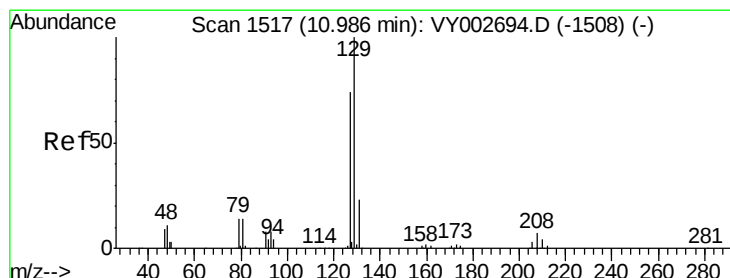
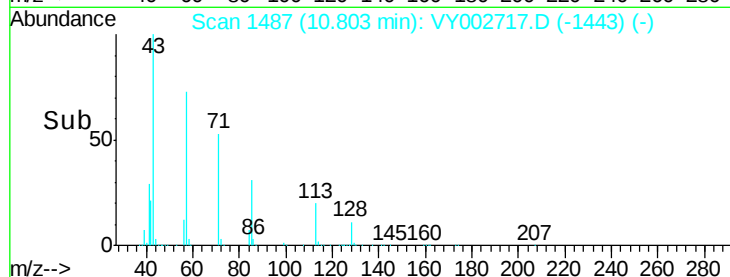
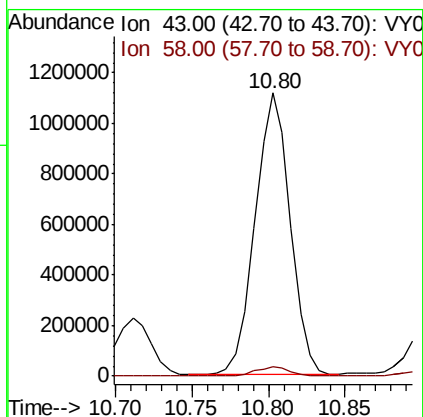
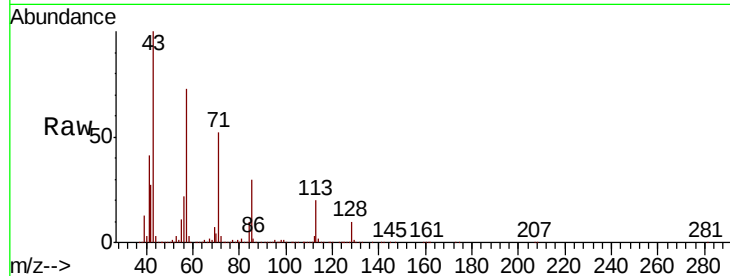




#59
2-Hexanone
Concen: 1479.048 ug/l
RT: 10.80 min Scan# 1487
Delta R.T. -0.03 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

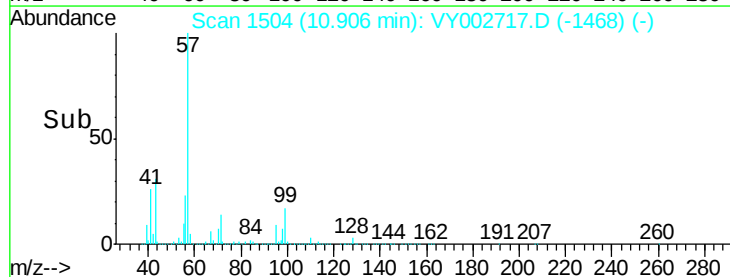
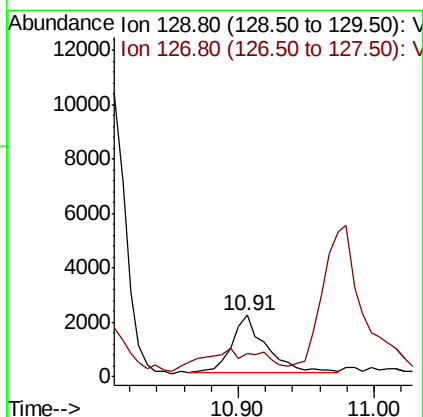
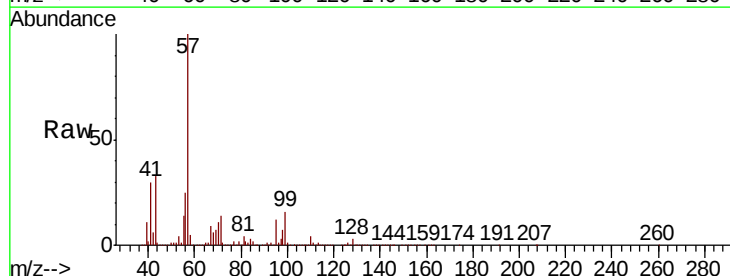
Instrument :
MSVOA_Y
ClientSampleId :

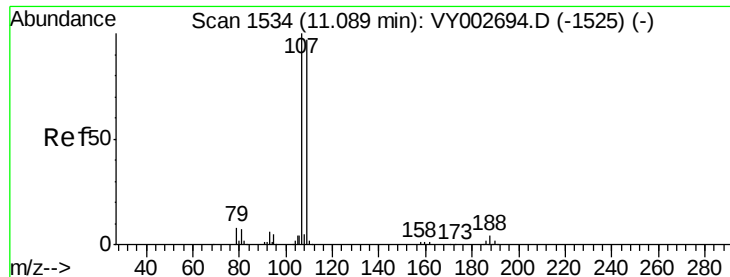
Tot Ion: 43 Resp: 1780365
Ion Ratio Lower Upper
43 100
58 3.3 29.8 89.4#



#60
Dibromochloromethane
Concen: 1.376 ug/l
RT: 10.91 min Scan# 1504
Delta R.T. -0.08 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

Tgt Ion: 129 Resp: 3727
Ion Ratio Lower Upper
129 100
127 39.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 1.943 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

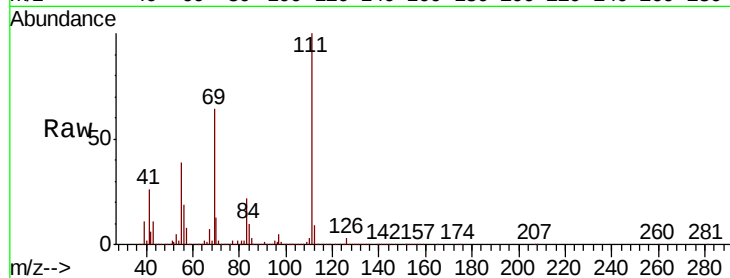
ClientSampleId :

Tot Ion:107 Resp: 4060

Ion Ratio Lower Upper

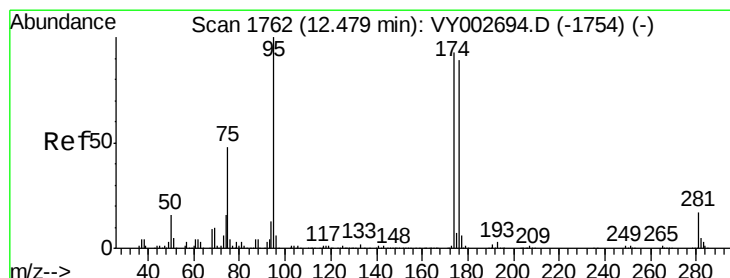
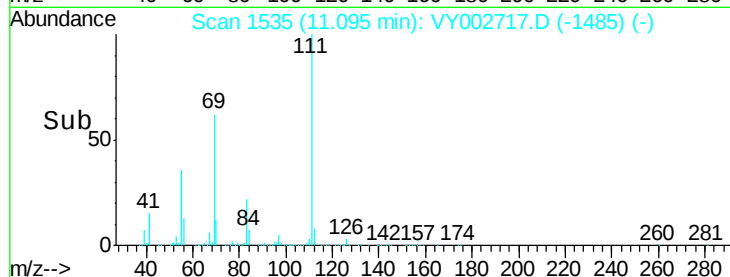
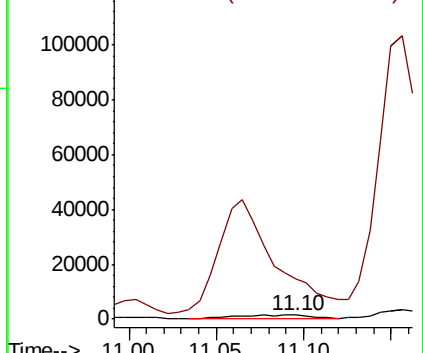
107 100

109 0.0 76.1 114.1#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 70.626 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

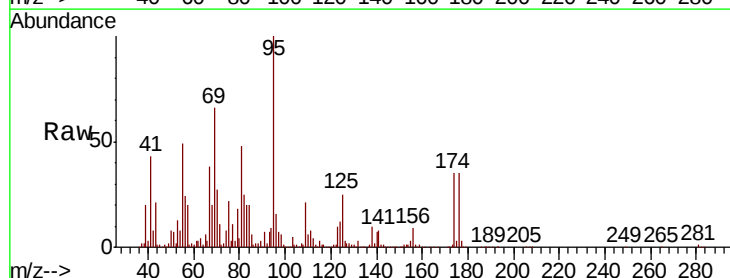
Tgt Ion: 95 Resp: 233252

Ion Ratio Lower Upper

95 100

174 48.6 0.0 191.4

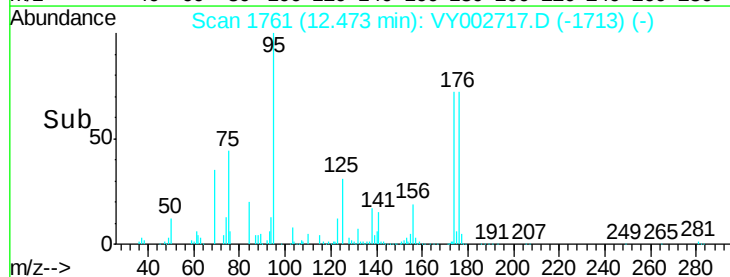
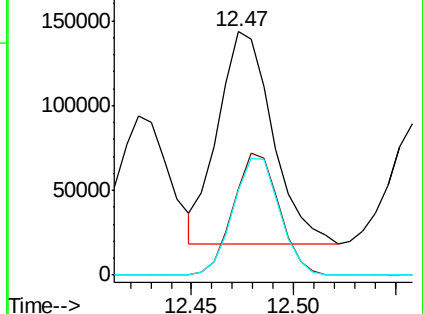
176 47.0 0.0 186.0

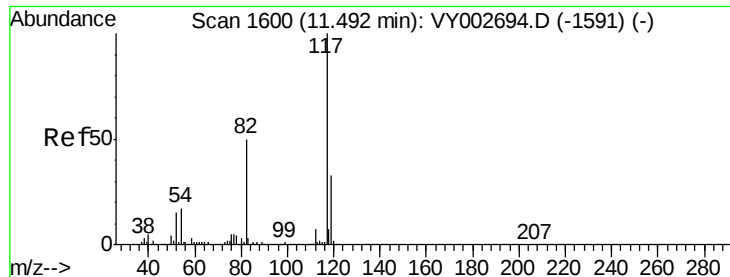


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

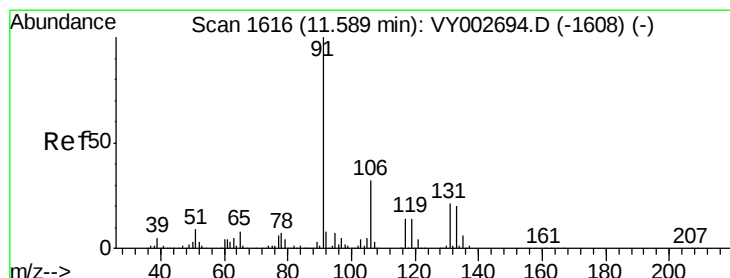
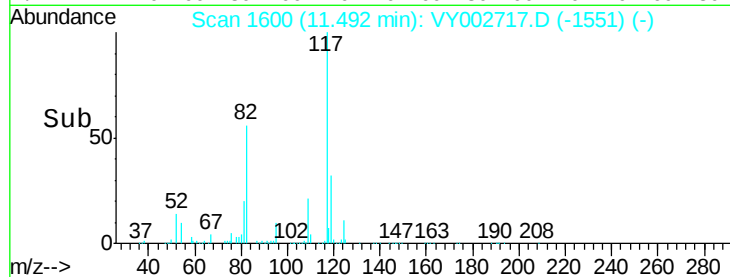
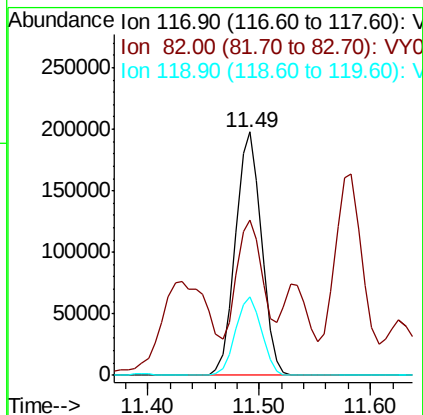
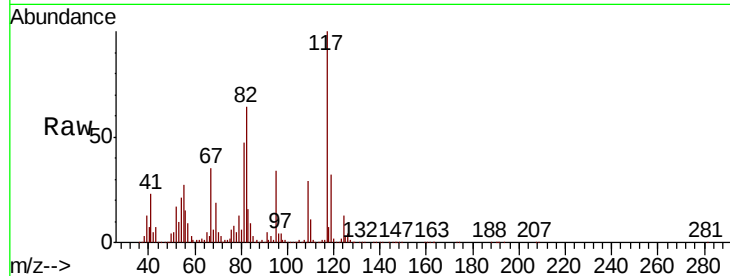




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

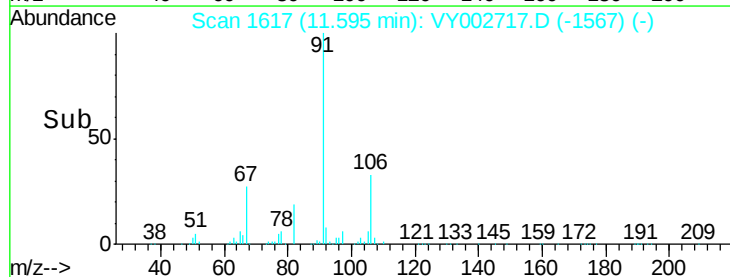
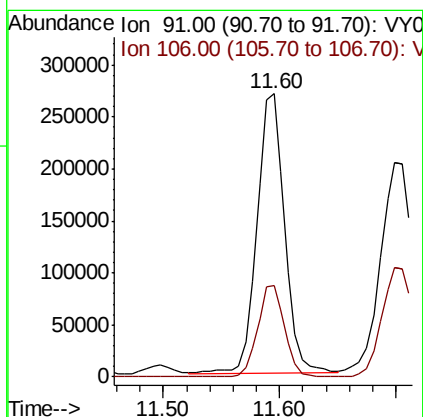
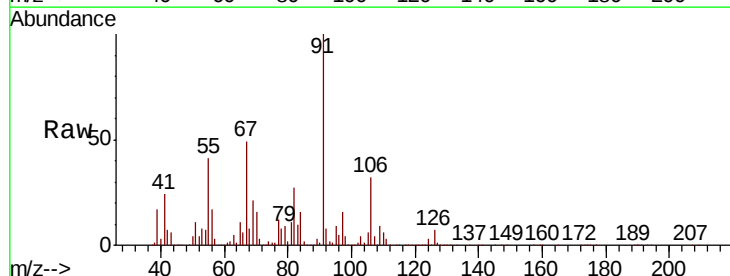
Instrument :
MSVOA_Y
ClientSampleId :

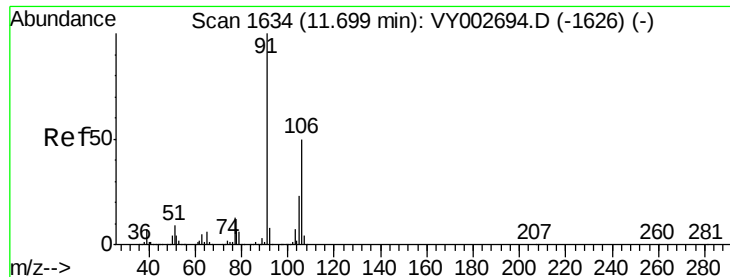
Tot Ion:117 Resp: 318503
Ion Ratio Lower Upper
117 100
82 28.2 40.3 60.5#
119 32.2 26.2 39.4



#67
Ethyl Benzene
Concen: 40.992 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

Tgt Ion: 91 Resp: 442977
Ion Ratio Lower Upper
91 100
106 32.6 26.0 39.0

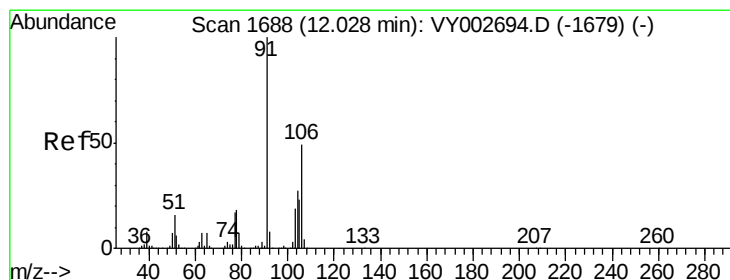
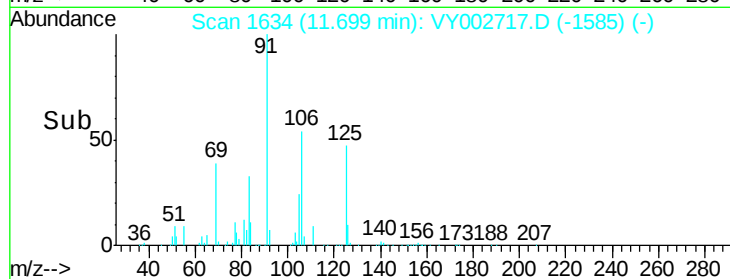
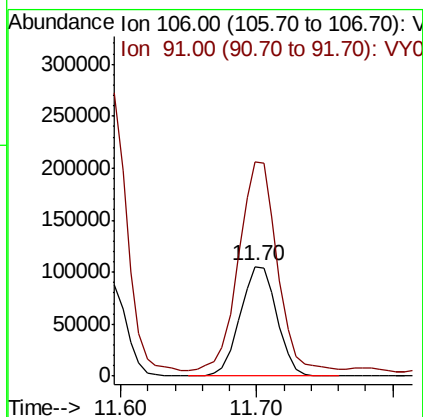
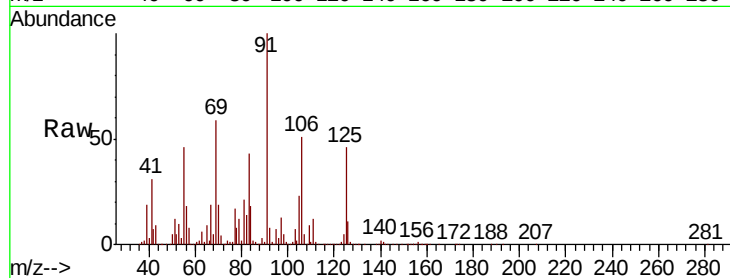




#68
m/p-Xylenes
Concen: 46.893 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

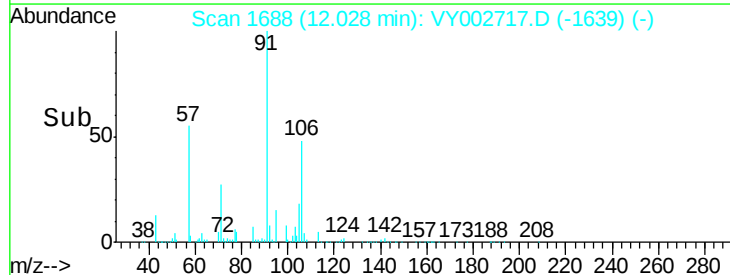
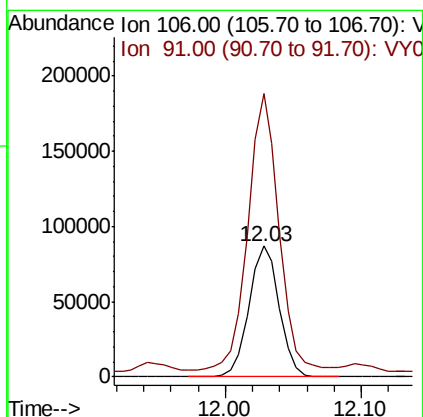
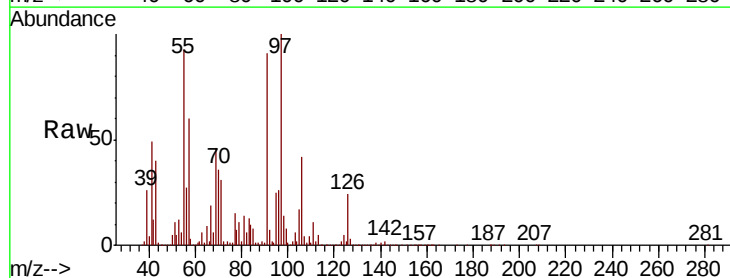
Instrument :
MSVOA_Y
ClientSampleId :

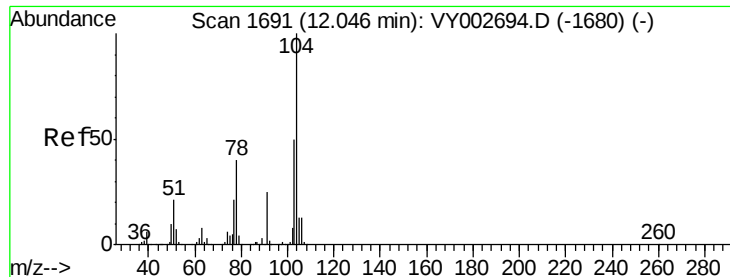
Tot Ion:106 Resp: 197148
Ion Ratio Lower Upper
106 100
91 200.6 156.2 234.4



#69
o-Xylene
Concen: 34.090 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

Tgt Ion:106 Resp: 134521
Ion Ratio Lower Upper
106 100
91 216.8 103.5 310.3





#70

Stvrene

Concen: 1.183 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. -0.02 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

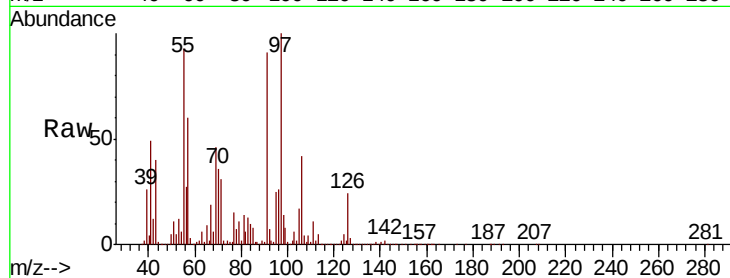
Tot Ion:104 Resp: 8015

Ion Ratio Lower Upper

104 100

78 354.4 36.6 54.8#

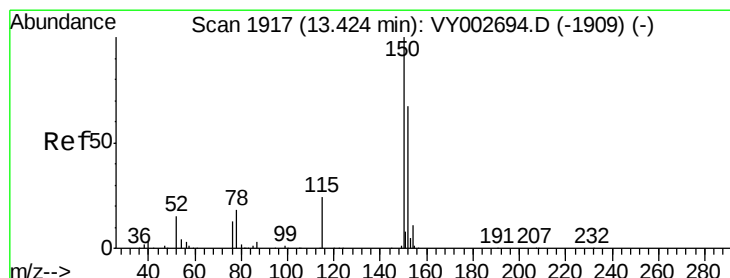
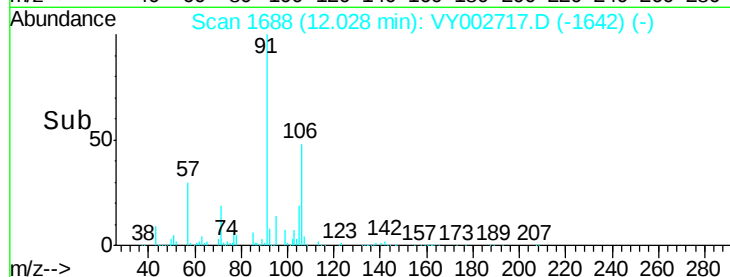
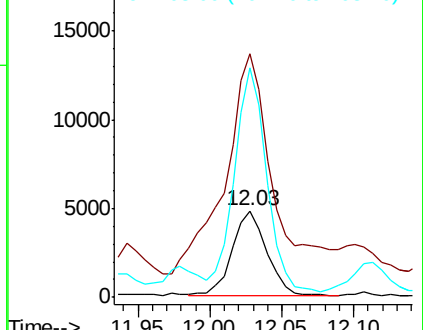
103 242.1 44.1 66.1#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

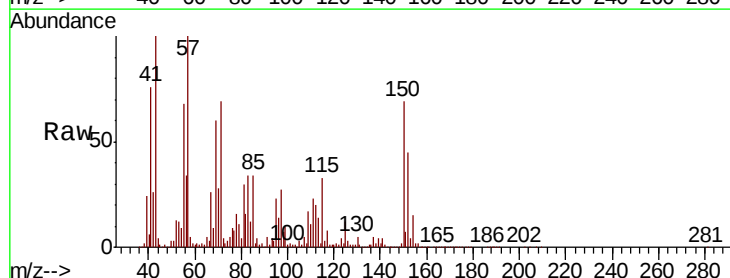
Tgt Ion:152 Resp: 128886

Ion Ratio Lower Upper

152 100

115 61.0 27.2 81.6

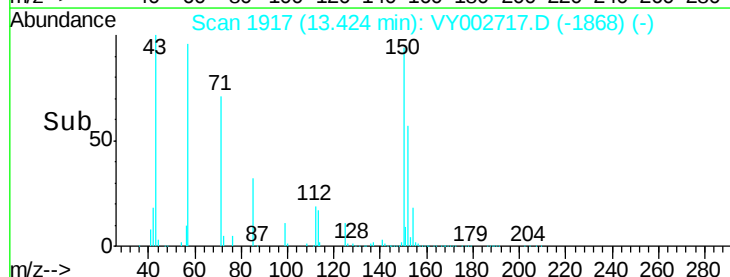
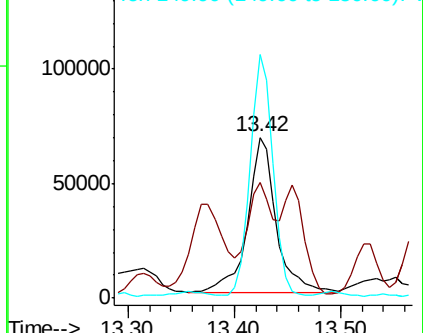
150 122.7 0.0 343.8

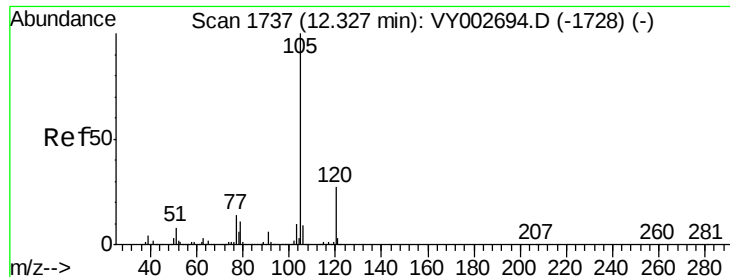


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.227 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

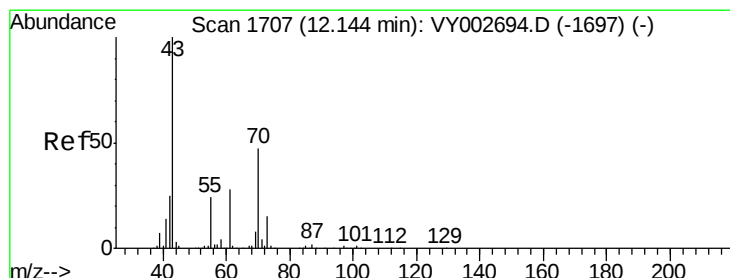
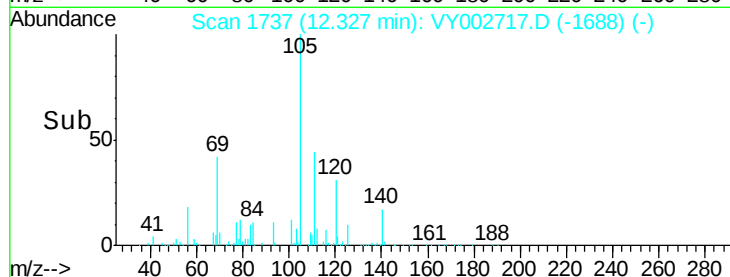
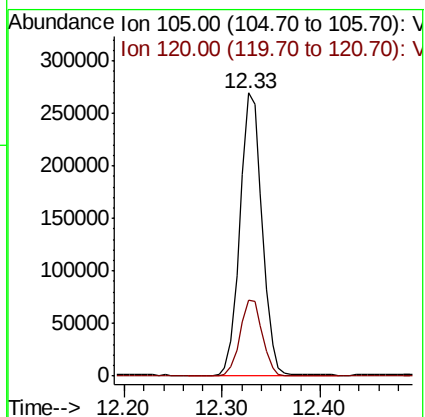
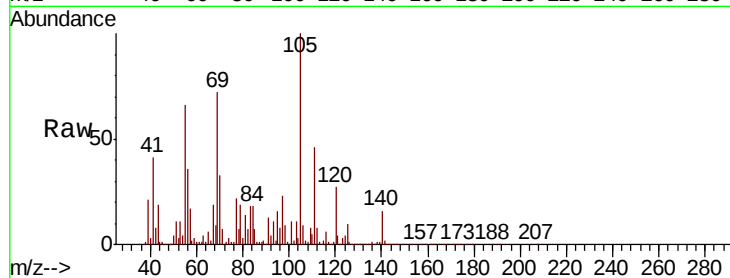
ClientSampleId :

Tot Ion:105 Resp: 423000

Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.1



#74

N-ethyl acetate

Concen: 467.352 ug/l

RT: 12.13 min Scan# 1704

Delta R.T. -0.02 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Tgt Ion: 43 Resp: 923591

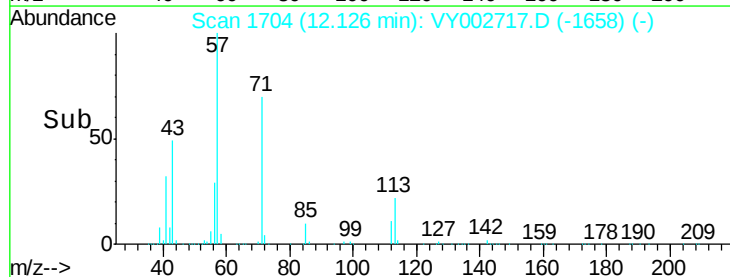
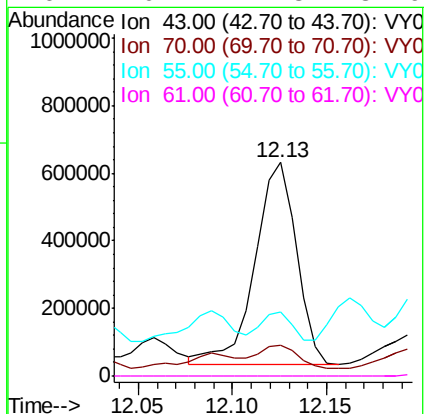
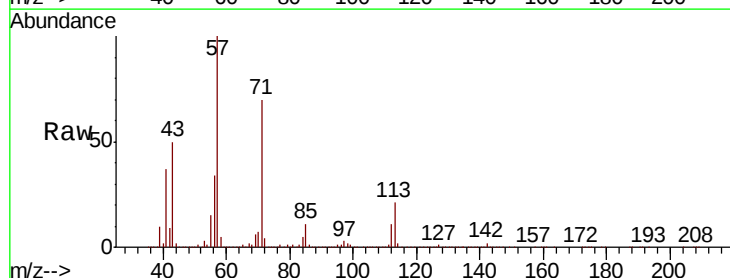
Ion Ratio Lower Upper

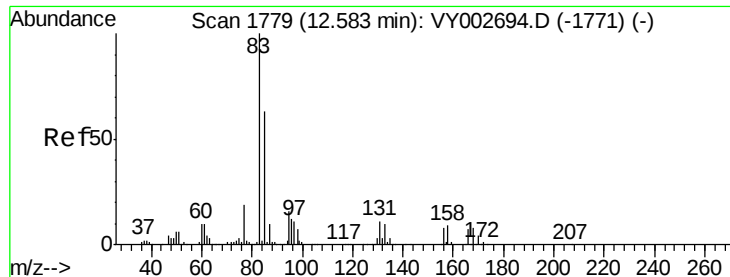
43 100

70 11.3 37.7 56.5#

55 16.3 19.4 29.0#

61 0.1 21.3 31.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 52.594 ug/l

RT: 12.56 min Scan# 1775

Delta R.T. -0.02 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampled :

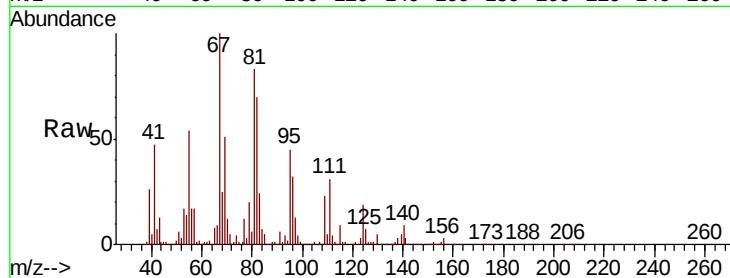
Tot Ion: 83 Resp: 65224

Ion Ratio Lower Upper

83 100

131 2.5 5.8 17.3#

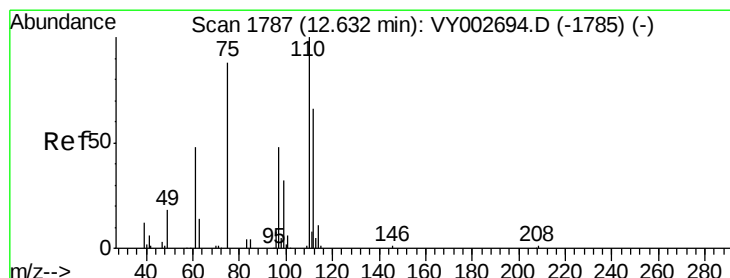
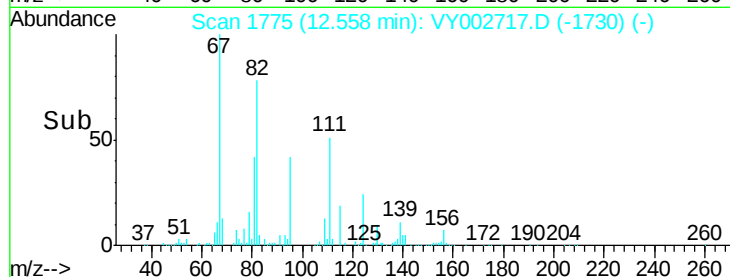
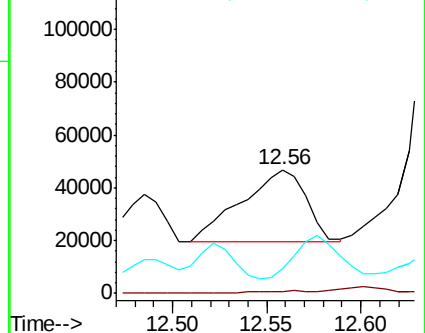
85 41.8 31.9 95.9



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: 6.021 ug/l

RT: 12.66 min Scan# 1792

Delta R.T. 0.03 min

Lab File: VY002717.D

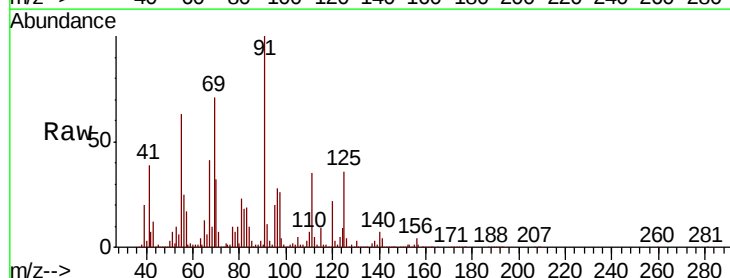
Acq: 19 May 2020 12:40

Tgt Ion: 75 Resp: 6375

Ion Ratio Lower Upper

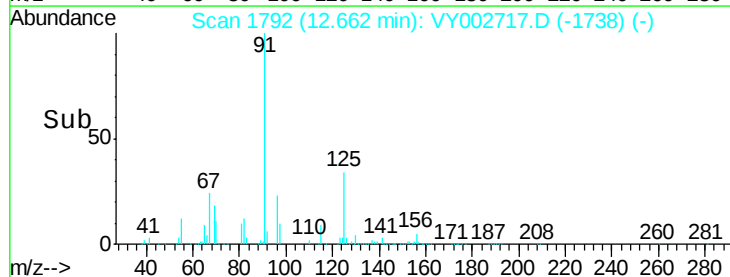
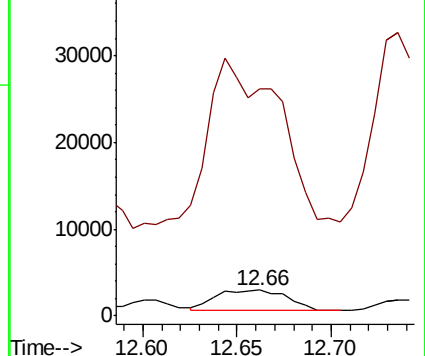
75 100

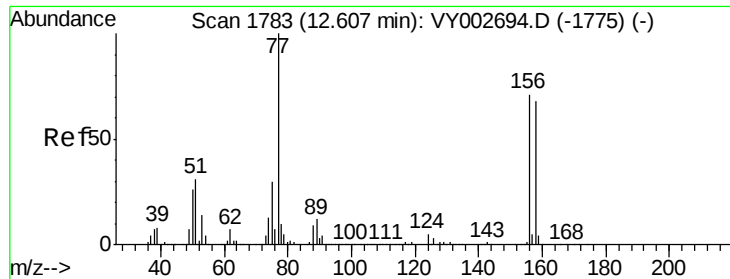
77 773.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 29.151 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.07 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampled :

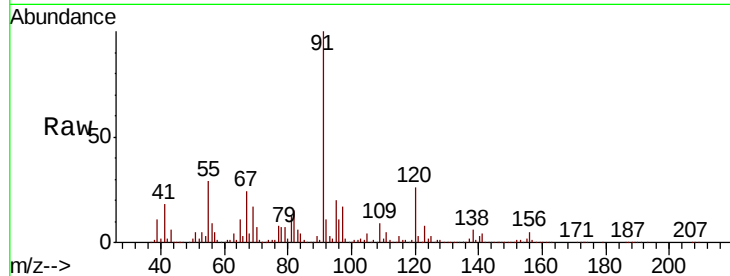
Tot Ion:156 Resp: 61377

Ion Ratio Lower Upper

156 100

77 0.0 80.8 242.3#

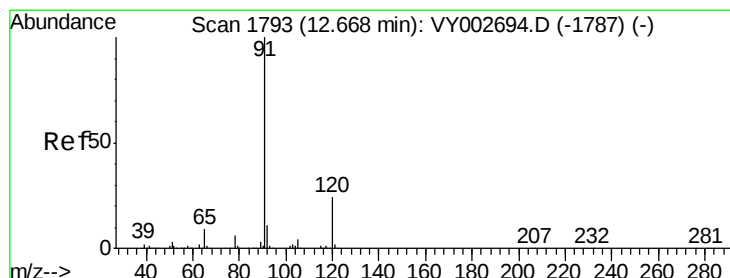
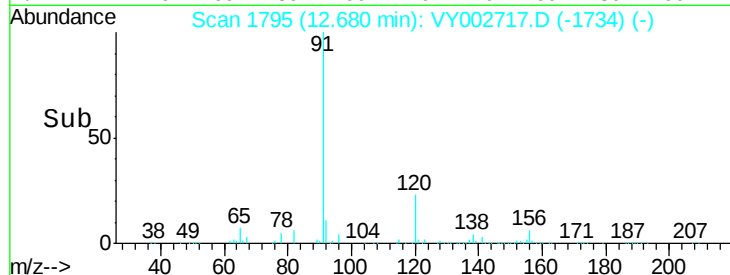
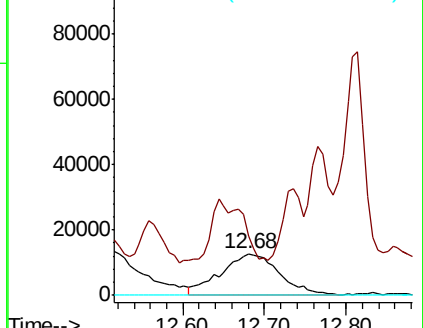
158 0.6 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 58.577 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY002717.D

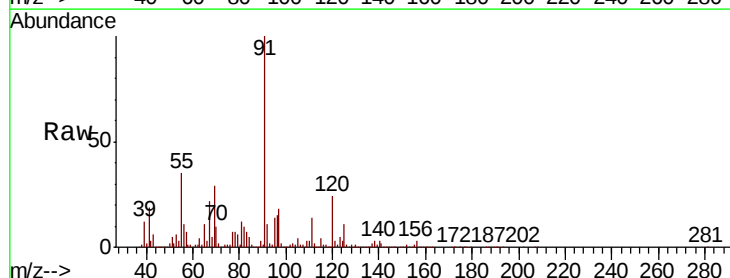
Acq: 19 May 2020 12:40

Tgt Ion: 91 Resp: 573880

Ion Ratio Lower Upper

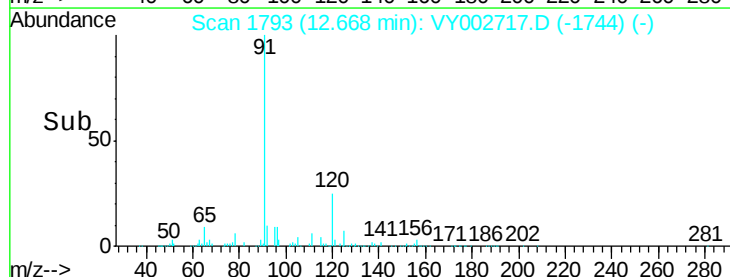
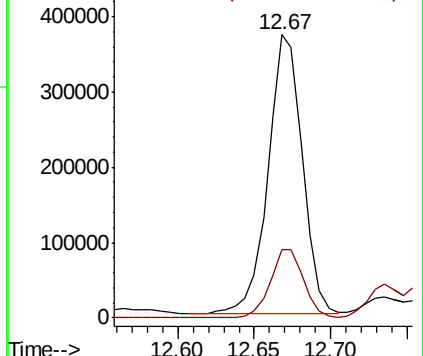
91 100

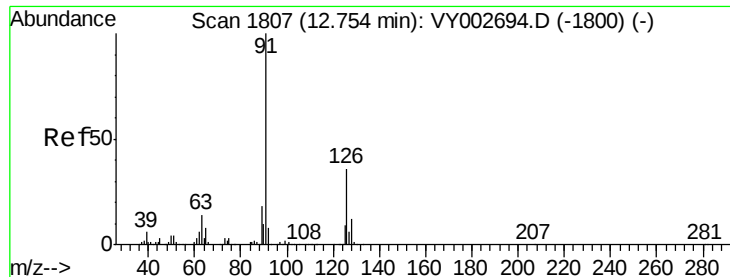
120 23.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

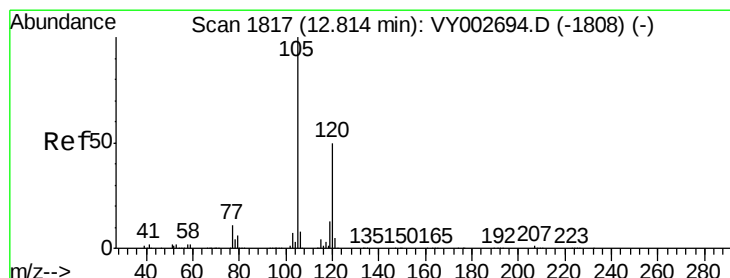
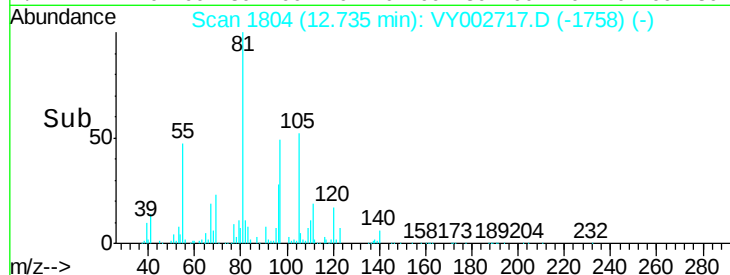
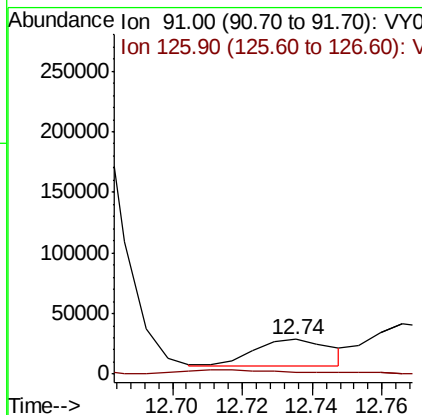
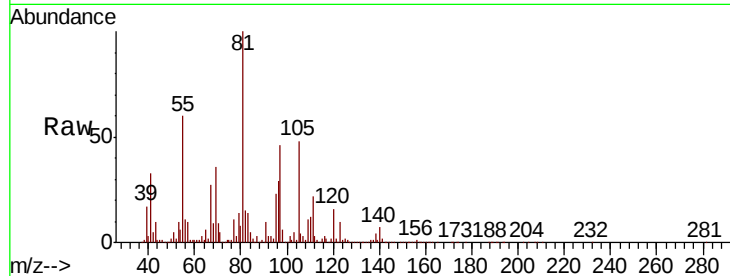




#79
 2-Chlorotoluene
 Concen: 5.946 ug/l
 RT: 12.74 min Scan# 1804
 Delta R.T. -0.02 min
 Lab File: VY002717.D
 Acq: 19 May 2020 12:40

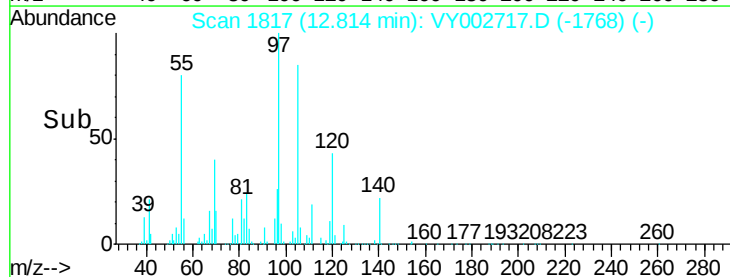
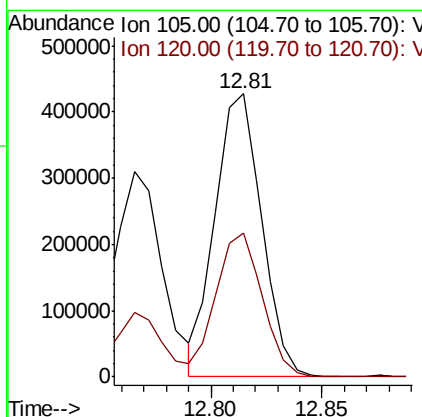
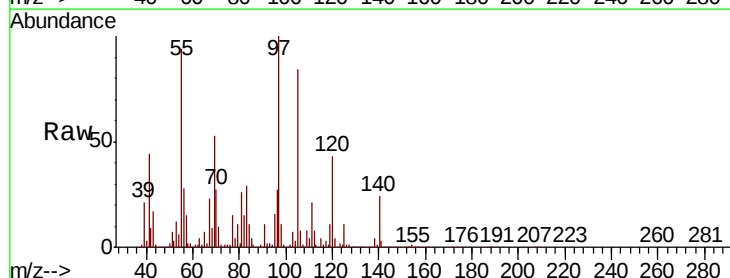
Instrument :
 MSVOA_Y
 ClientSampleId :

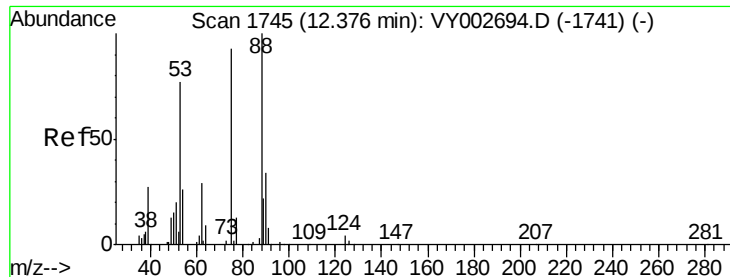
Tot Ion: 91 Resp: 32311
 Ion Ratio Lower Upper
 91 100
 126 19.6 18.4 55.0



#80
 1,3,5-Trimethylbenzene
 Concen: 87.332 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: VY002717.D
 Acq: 19 May 2020 12:40

Tgt Ion: 105 Resp: 617987
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 9.483 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.05 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

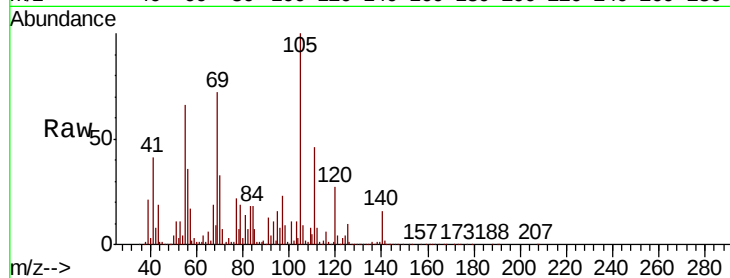
Tot Ion: 75 Resp: 5309

Ion Ratio Lower Upper

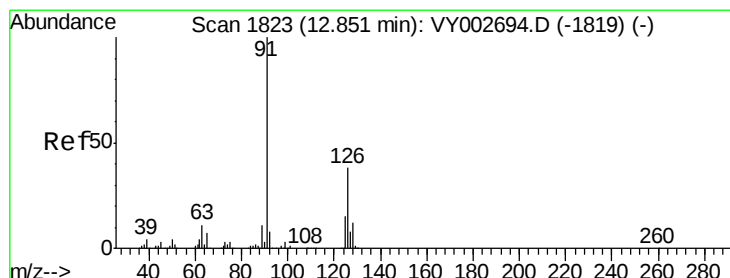
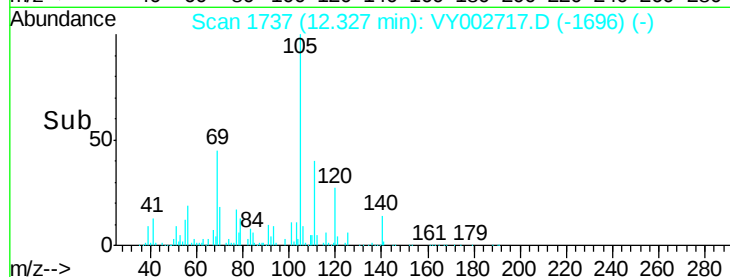
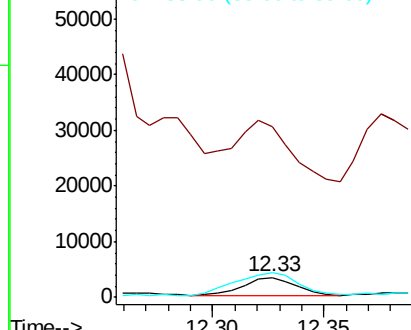
75 100

53 551.1 65.0 97.6#

89 153.1 66.6 99.8#



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



#82

4-Chlorotoluene

Concen: 14.267 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.04 min

Lab File: VY002717.D

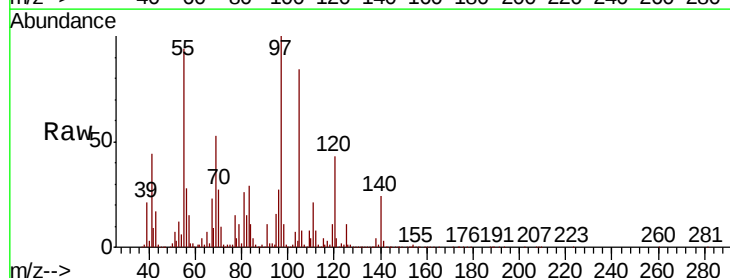
Acq: 19 May 2020 12:40

Tgt Ion: 91 Resp: 81203

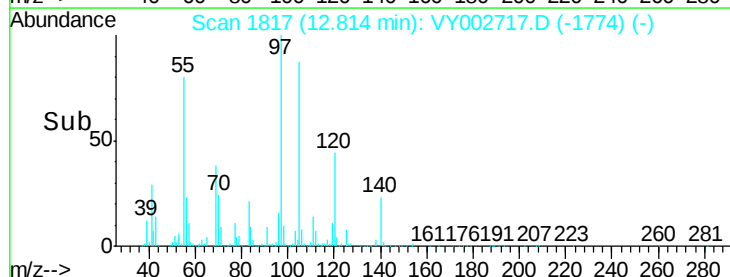
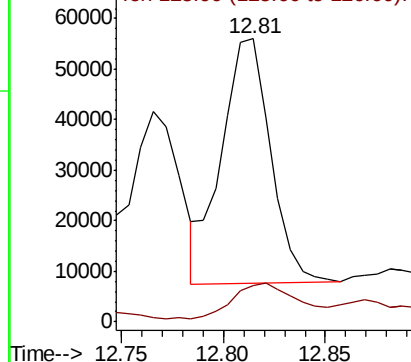
Ion Ratio Lower Upper

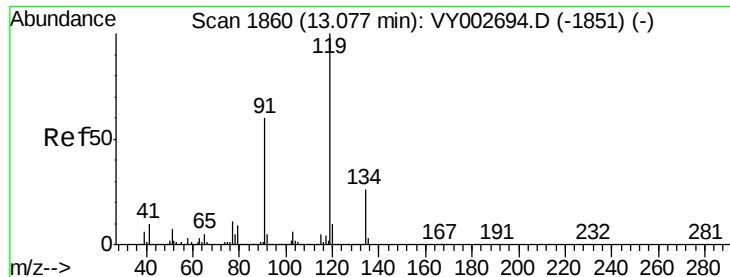
91 100

126 18.8 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 24.338 ug/l

RT: 13.31 min Scan# 1899

Delta R.T. 0.24 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampled :

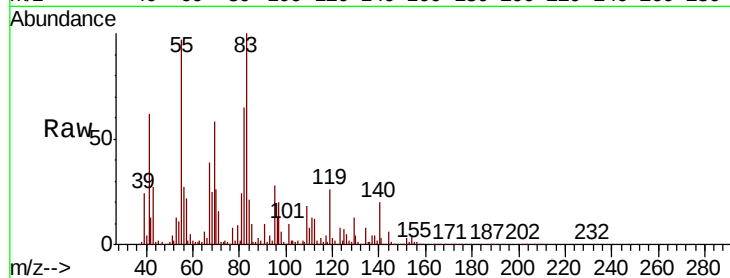
Tot Ion:119 Resp: 152419

Ion Ratio Lower Upper

119 100

91 32.7 30.4 91.2

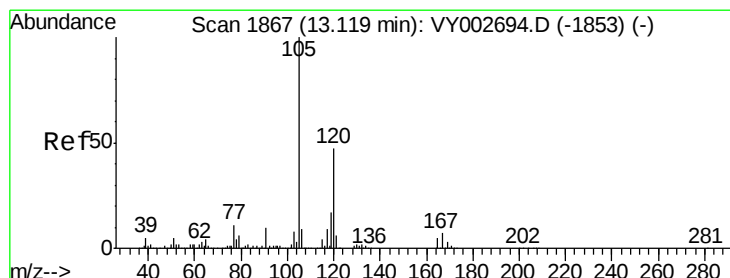
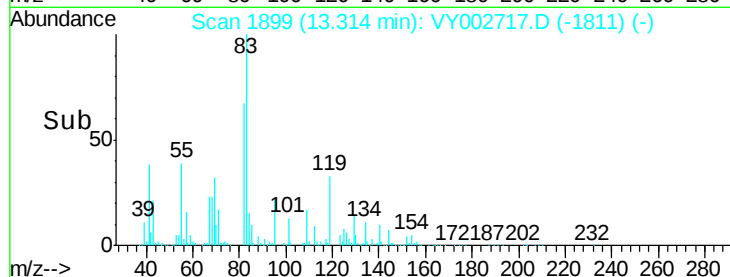
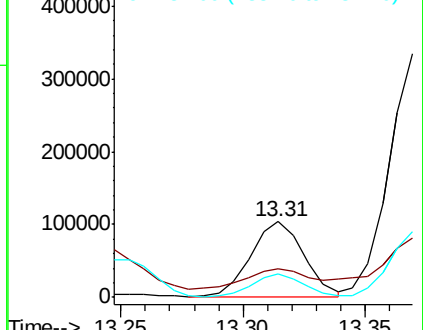
134 28.1 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 239.540 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY002717.D

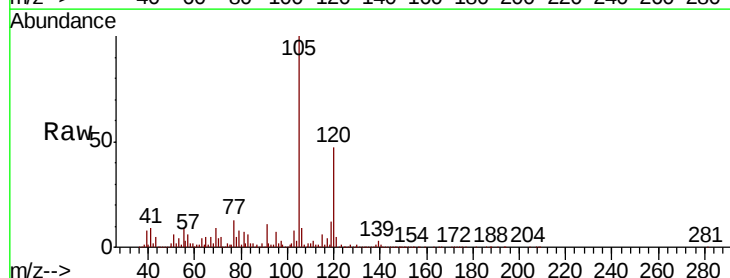
Acq: 19 May 2020 12:40

Tgt Ion:105 Resp: 1694046

Ion Ratio Lower Upper

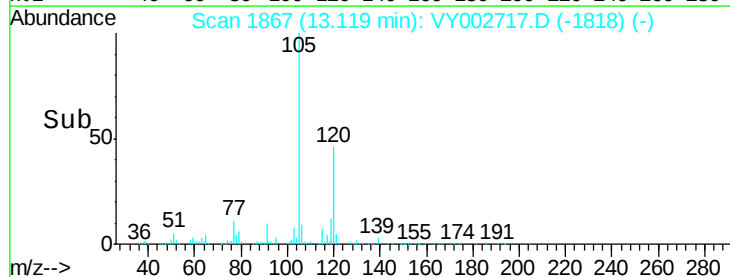
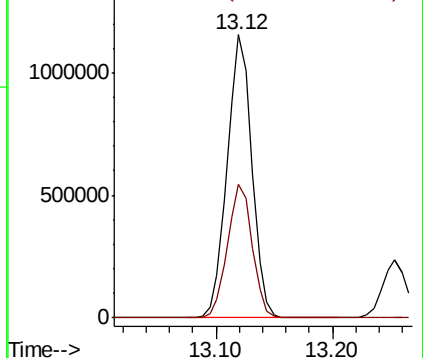
105 100

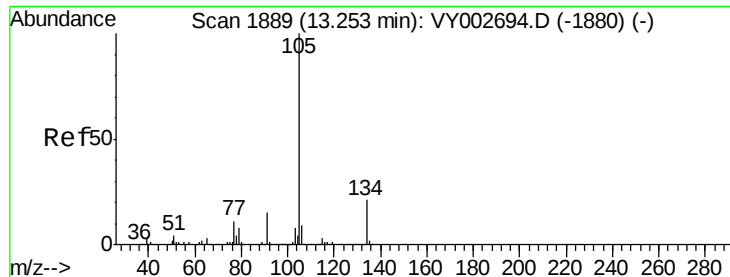
120 47.6 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

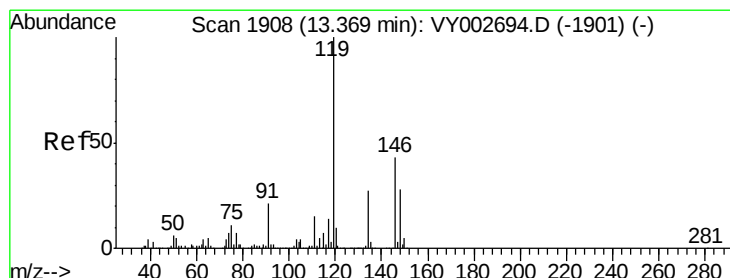
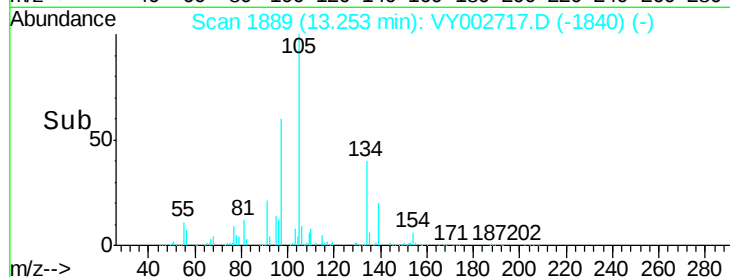
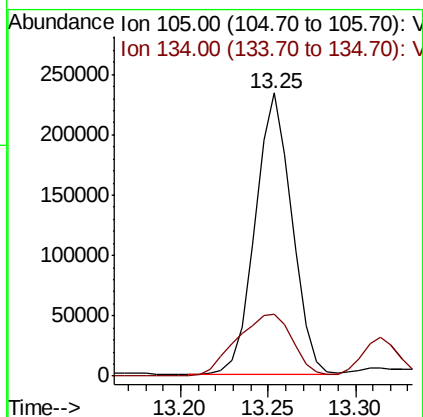
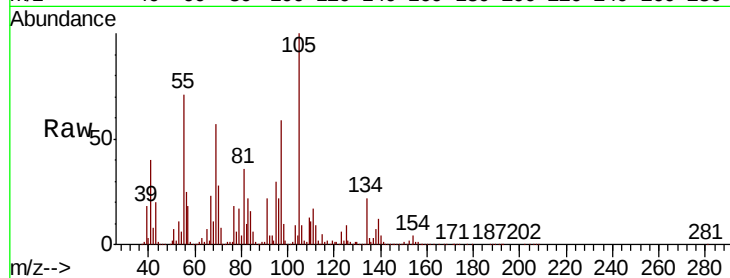




#85
 sec-Butylbenzene
 Concen: 39.258 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY002717.D
 Acq: 19 May 2020 12:40

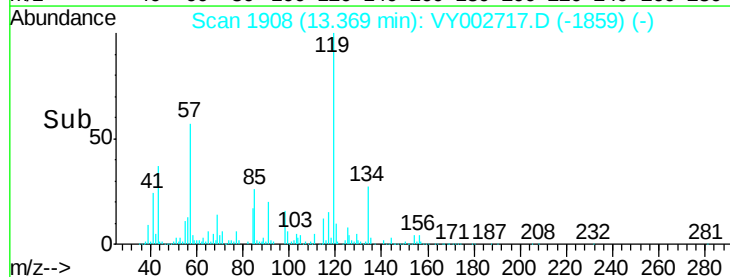
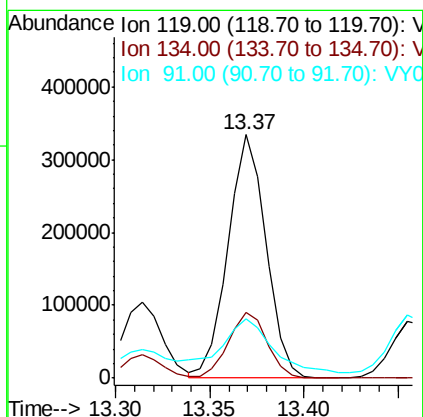
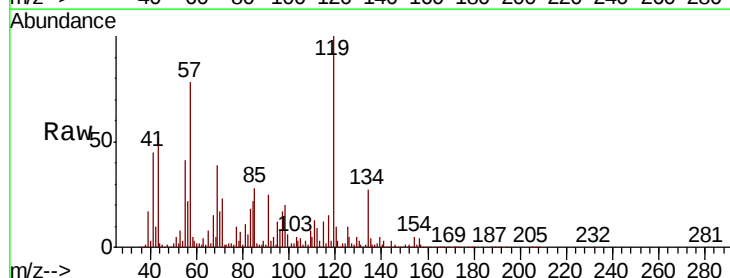
Instrument :
 MSVOA_Y
 ClientSampled :

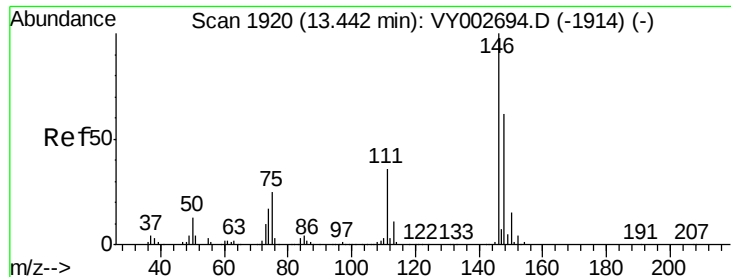
Tot Ion:105 Resp: 339261
 Ion Ratio Lower Upper
 105 100
 134 33.4 10.8 32.3#



#86
 p-Isopropyltoluene
 Concen: 57.547 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY002717.D
 Acq: 19 May 2020 12:40

Tgt Ion:119 Resp: 465501
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.5 40.5
 91 28.2 10.8 32.3





#88

1,4-Dichlorobenzene

Concen: 1.625 ug/l

RT: 13.45 min Scan# 1921

Delta R.T. 0.01 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

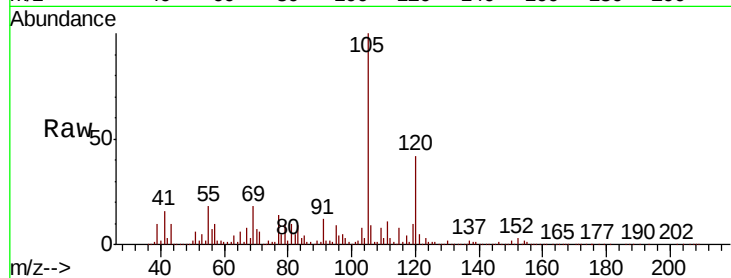
Tot Ion:146 Resp: 6568

Ion Ratio Lower Upper

146 100

111 1439.2 18.1 54.4#

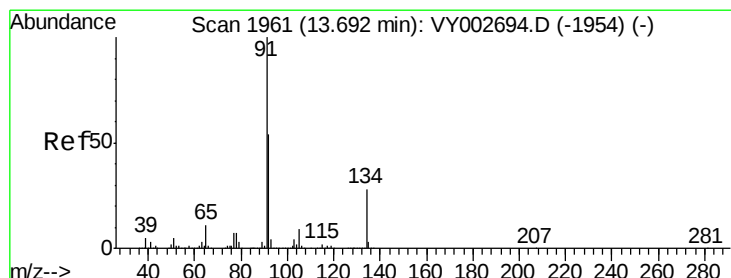
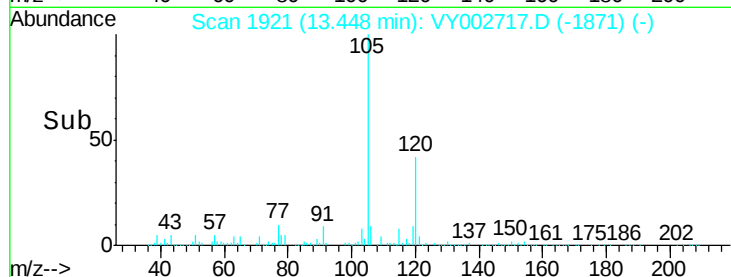
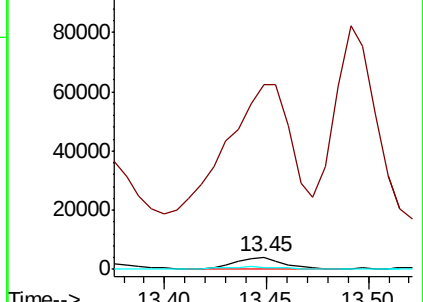
148 24.1 31.8 95.3#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 49.998 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. 0.01 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

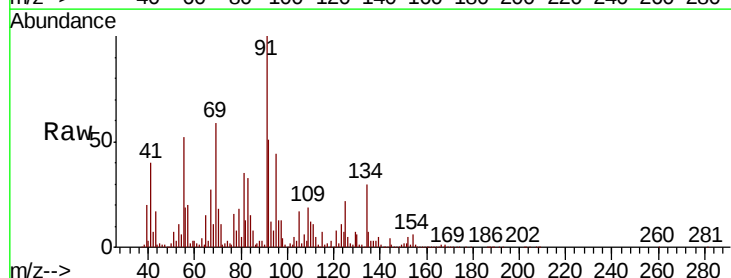
Tgt Ion: 91 Resp: 371406

Ion Ratio Lower Upper

91 100

92 39.5 26.8 80.4

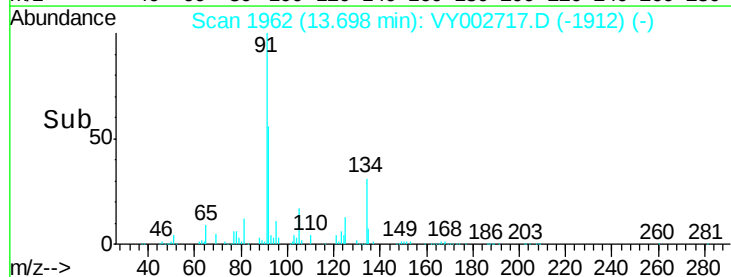
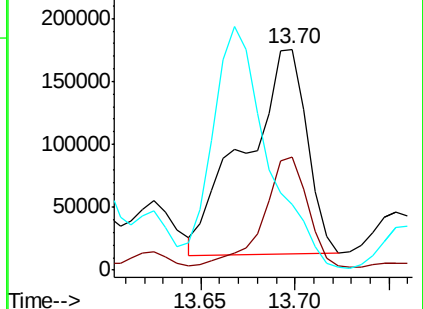
134 0.0 14.5 43.5#

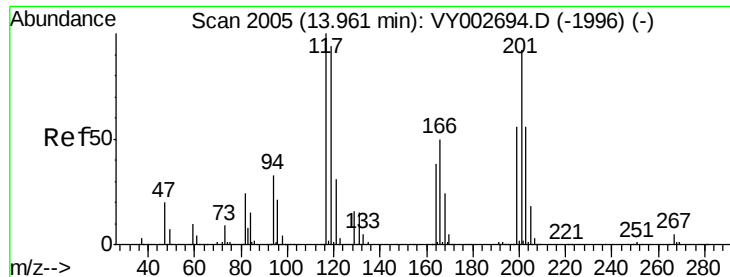


Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 57.154 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

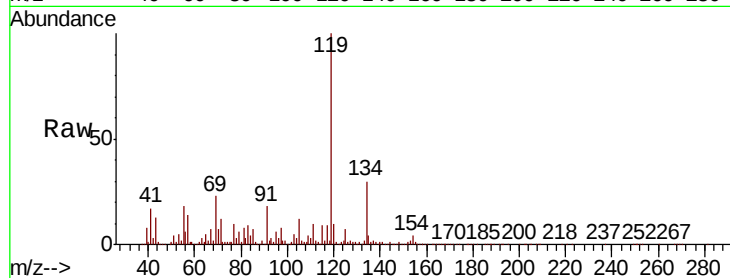
ClientSampleId :

Tot Ion:117 Resp: 85631

Ion Ratio Lower Upper

117 100

201 0.0 44.9 134.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

120000

100000

80000

60000

40000

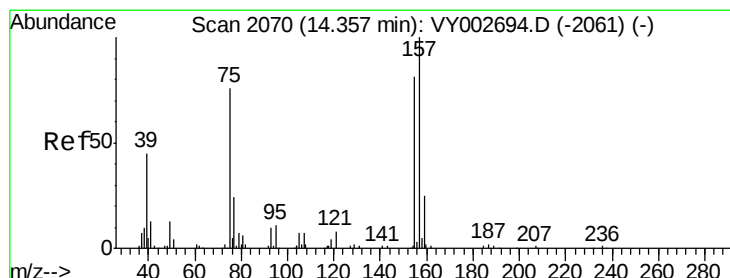
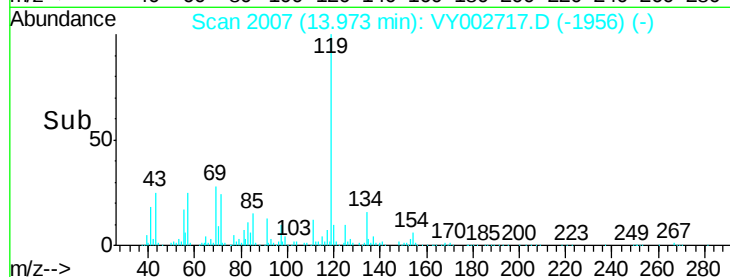
20000

0

13.95

14.00

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 11.782 ug/l

RT: 14.38 min Scan# 2074

Delta R.T. 0.02 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

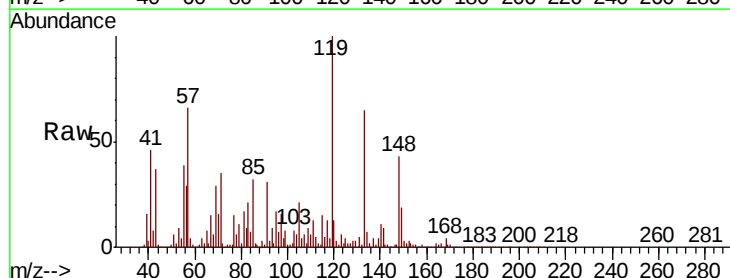
Tgt Ion: 75 Resp: 2802

Ion Ratio Lower Upper

75 100

155 83.2 53.5 160.7

157 8.7 67.9 203.7#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

5000

4000

3000

2000

1000

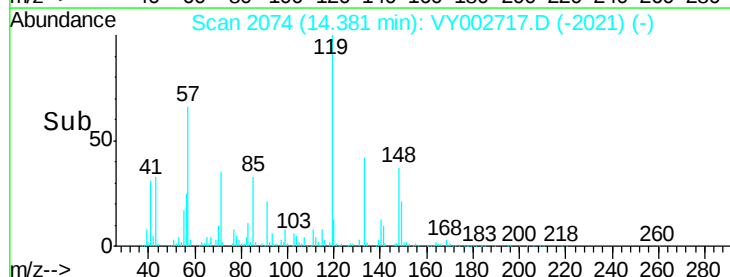
0

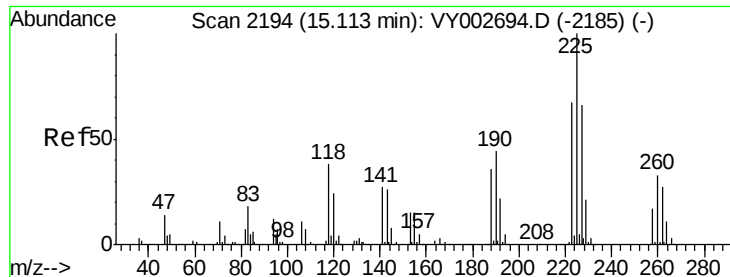
14.36

14.38

14.40

Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.11 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

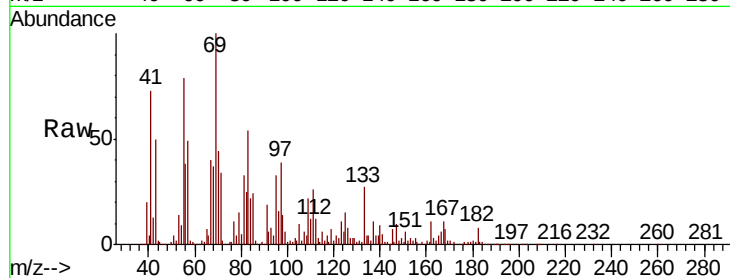
Tot Ion:225 Resp: 148

Ion Ratio Lower Upper

225 100

223 51.4 31.6 94.8

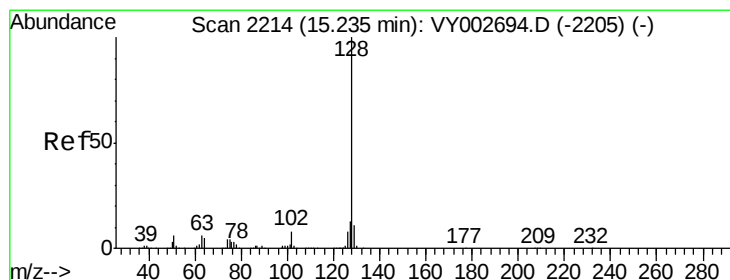
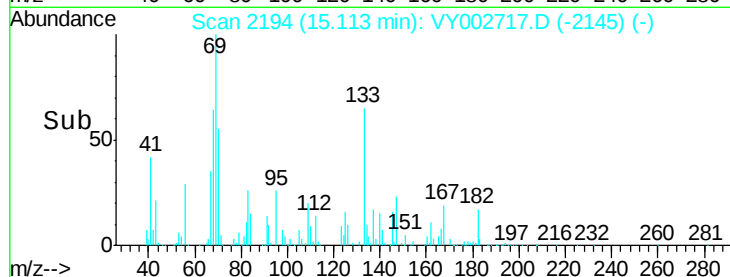
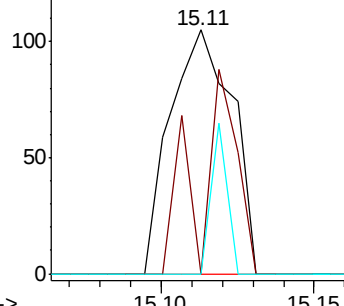
227 16.2 32.2 96.6#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 162.319 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

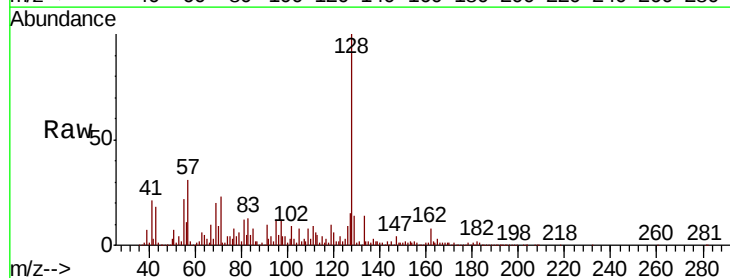
Tgt Ion:128 Resp: 813883

Ion Ratio Lower Upper

128 100

127 16.9 10.3 15.5#

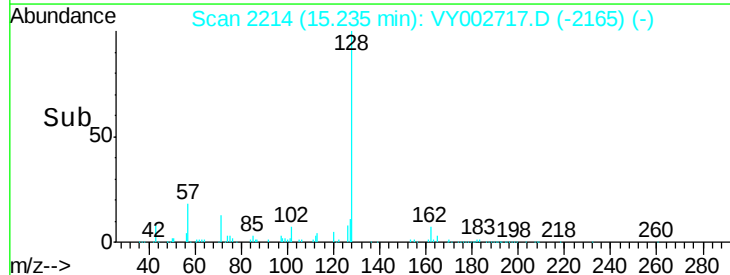
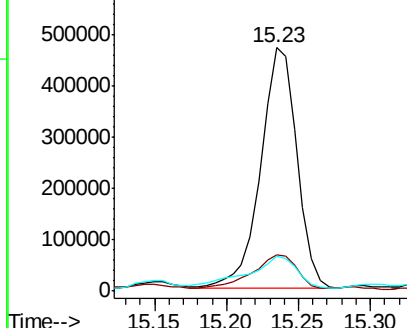
129 17.8 8.7 13.1#

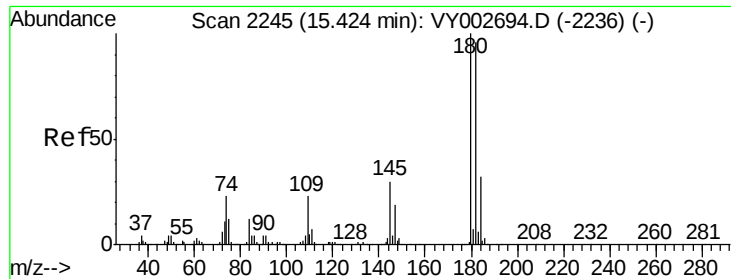


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

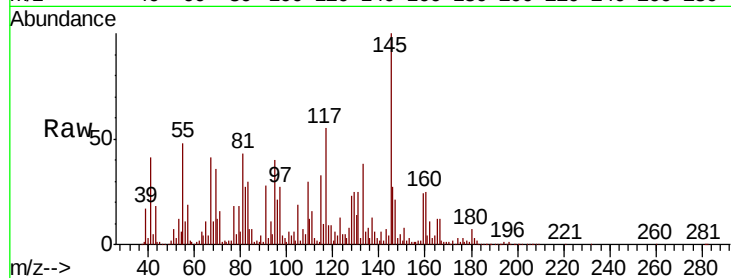




#96
 1,2,3-Trichlorobenzene
 Concen: 4.950 ug/l
 RT: 15.39 min Scan# 2240
 Delta R.T. -0.03 min
 Lab File: VY002717.D
 Acq: 19 May 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180 Resp: 17881
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.6 142.9#
 145 1502.4 15.1 45.3#



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

