

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051920\
 Data File : VY002716.D
 Acq On : 19 May 2020 11:56
 Operator : SY/MD
 Sample : L2665-01
 Misc : 5.06G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 20 04:11:14 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	175411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	271231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	197948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	107326	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	80203	58.45	ug/l	0.00
Spiked Amount			Recovery	=	116.90%	
35) Dibromofluoromethane	7.73	113	83056	55.49	ug/l	0.00
Spiked Amount			Recovery	=	110.98%	
50) Toluene-d8	10.18	98	711369	118.04	ug/l	0.00
Spiked Amount			Recovery	=	236.08%	
62) 4-Bromofluorobenzene	12.47	95	217811	105.16	ug/l	0.00
Spiked Amount			Recovery	=	210.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	13704	98.347	ug/l #	74
13) Acrolein	3.70	56	1904	11.650	ug/l #	1
14) Allyl chloride	4.58	41	8092	3.663	ug/l #	61
15) Acrylonitrile	5.24	53	34470	88.526	ug/l #	40
16) Acetone	3.96	43	99533	351.895	ug/l #	87
17) Carbon Disulfide	4.20	76	32401	6.714	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	30871	8.089	ug/l #	1
20) Methylene Chloride	4.72	84	3188	1.865	ug/l #	1
23) Vinyl Acetate	6.11	43	6106	2.176	ug/l #	68
25) 2-Butanone	6.99	43	55490	118.572	ug/l #	78
29) Tetrahydrofuran	7.36	42	1136	3.568	ug/l #	30
30) Chloroform	7.47	83	27359	10.066	ug/l #	19
31) Cyclohexane	7.79	56	1638216	616.799	ug/l	90
36) 1,1-Dichloropropene	7.80	75	12499	5.444	ug/l #	1
37) Ethyl Acetate	6.99	43	55490	49.135	ug/l #	71
38) Carbon Tetrachloride	7.80	117	15687	6.357	ug/l #	15
39) Methylcyclohexane	9.19	83	6301265	2040.980	ug/l	96
40) Benzene	8.17	78	67447	10.067	ug/l	97
41) Methacrylonitrile	7.36	41	8880	13.088	ug/l #	100
42) 1,2-Dichloroethane	8.28	62	5293	2.995	ug/l #	1
43) Isopropyl Acetate	8.27	43	546632	260.451	ug/l #	50
45) 1,2-Dichloropropane	9.19	63	59868	37.652	ug/l #	1
47) Bromodichloromethane	9.47	83	170107	78.022	ug/l #	38
48) Methyl methacrylate	9.25	41	301445	311.943	ug/l #	26
49) 1,4-Dioxane	9.19	88	59	4.849	ug/l #	1
51) 4-Methyl-2-Pentanone	10.17	43	262025	241.809	ug/l #	38
52) Toluene	10.24	92	10829	2.498	ug/l #	68
54) cis-1,3-Dichloropropene	9.90	75	4874	1.807	ug/l #	40
55) 1,1,2-Trichloroethane	10.62	97	1260020	947.404	ug/l #	20
56) Ethyl methacrylate	10.52	69	443979	250.756	ug/l #	3
58) 2-Chloroethyl Vinyl ether	9.77	63	4499	5.147	ug/l #	43
59) 2-Hexanone	10.80	43	2468399	3269.643	ug/l #	25
60) Dibromochloromethane	10.91	129	4931	2.902	ug/l	81
61) 1,2-Dibromoethane	11.09	107	2259	1.724	ug/l #	2

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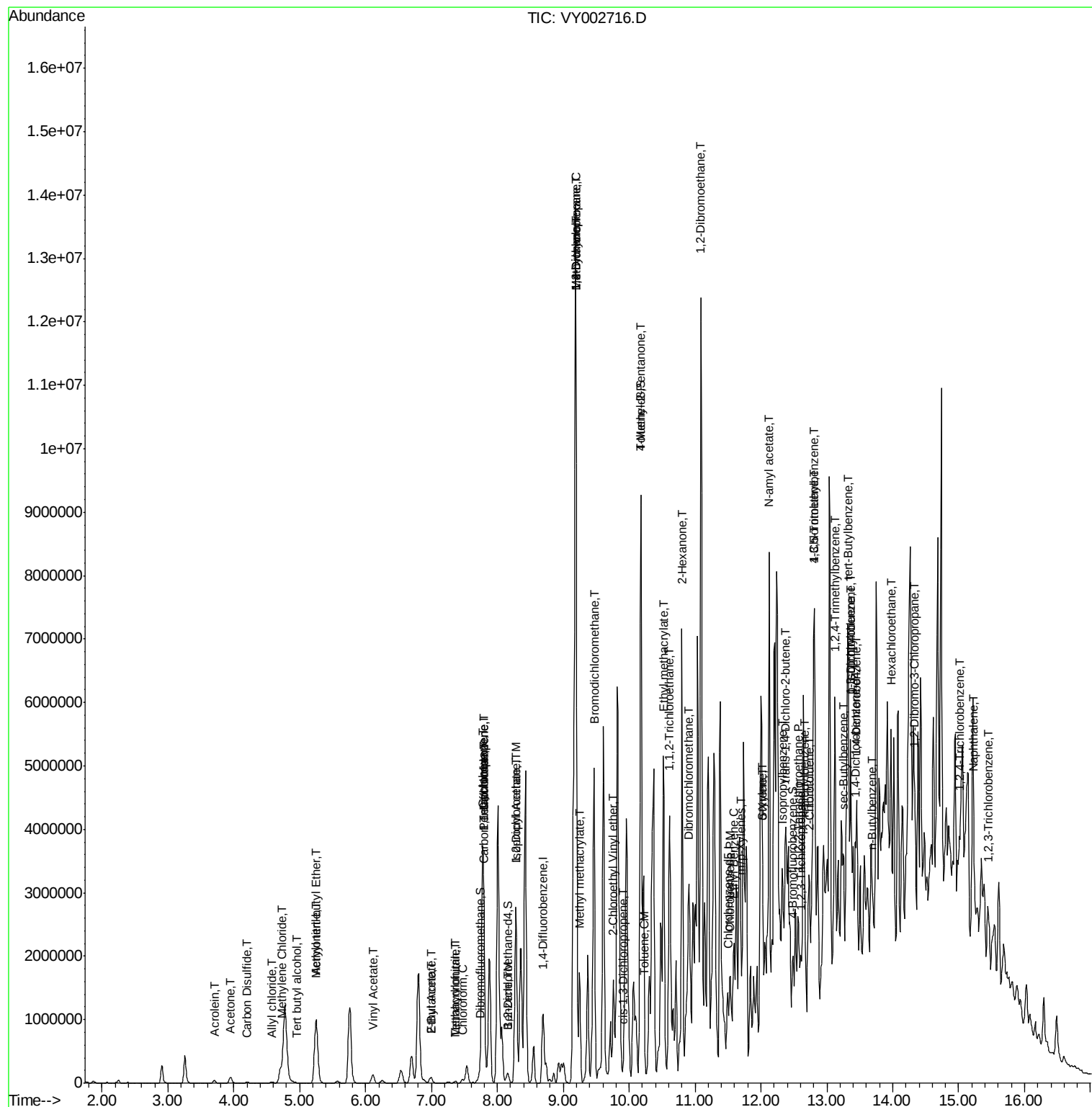
65) Chlorobenzene	11.53	112	6012	1.572	ug/l #	47
67) Ethyl Benzene	11.60	91	517598	77.068	ug/l	99
68) m/p-Xylenes	11.70	106	215050	82.303	ug/l	94
69) o-Xylene	12.03	106	162300	66.179	ug/l	93
70) Styrene	12.03	104	8912	2.117	ug/l #	1
73) Isopropylbenzene	12.33	105	522500	74.505	ug/l	99
74) N-amyl acetate	12.13	43	1414952	859.818	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.56	83	98319	95.206	ug/l #	80
76) 1,2,3-Trichloropropane	12.60	75	3155	3.579	ug/l #	100
78) n-propylbenzene	12.67	91	713789	87.494	ug/l	98
79) 2-Chlorotoluene	12.74	91	31984	7.069	ug/l	81
80) 1,3,5-Trimethylbenzene	12.81	105	721339	122.414	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	1554	3.333	ug/l #	1
82) 4-Chlorotoluene	12.81	91	101581	21.432	ug/l	77
83) tert-Butylbenzene	13.31	119	162010	31.066	ug/l	80
84) 1,2,4-Trimethylbenzene	13.12	105	1966837	333.982	ug/l	99
85) sec-Butylbenzene	13.25	105	425542	59.134	ug/l #	75
86) p-Isopropyltoluene	13.37	119	567201	84.205	ug/l	94
87) 1,3-Dichlorobenzene	13.37	146	4767	1.410	ug/l #	1
88) 1,4-Dichlorobenzene	13.45	146	9072	2.696	ug/l #	1
89) n-Butylbenzene	13.70	91	443148	71.639	ug/l #	69
90) Hexachloroethane	13.97	117	97725	78.329	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.34	75	5773	29.151	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.00	180	9686	1.319	ug/l #	1
94) Hexachlorobutadiene	15.11	225	578	Below Cal		91
95) Naphthalene	15.23	128	568302	136.109	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.45	180	18248	6.887	ug/l #	12

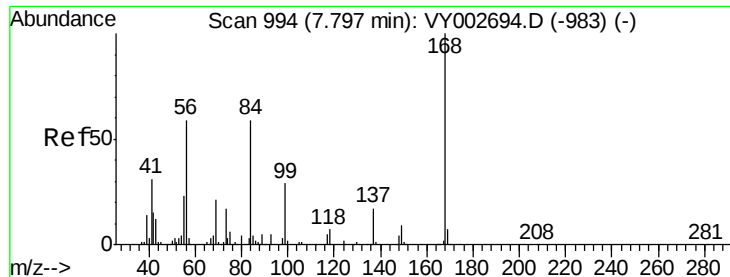
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

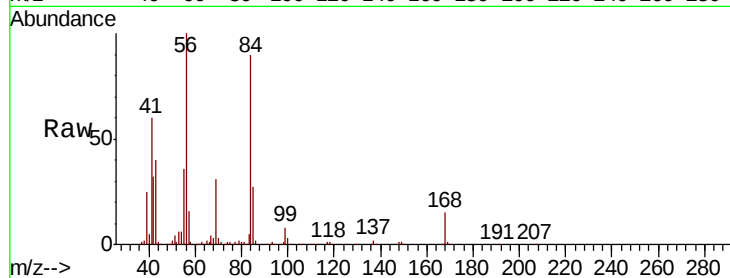
ClientSampleId :

Tot Ion:168 Resp: 175411

Ion Ratio Lower Upper

168 100

99 49.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002716.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002716.D (-945) (-)

7.80

80000

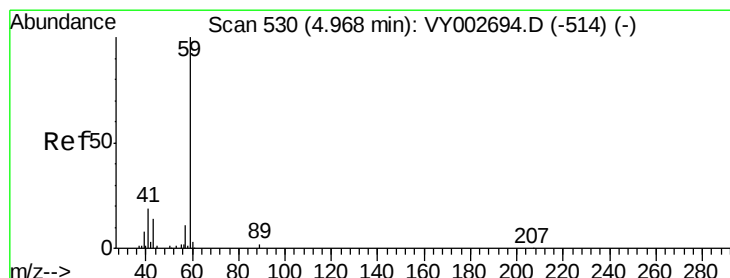
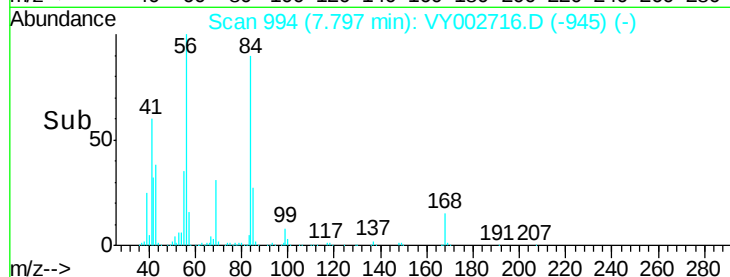
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 98.347 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY002716.D

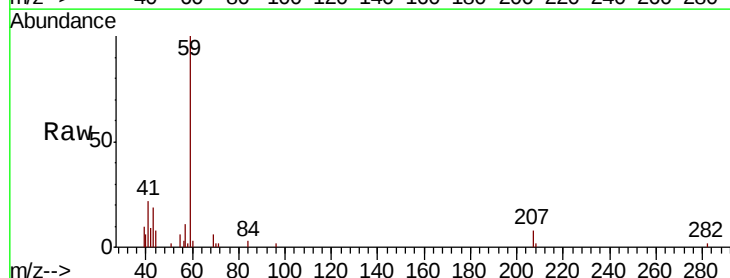
Acq: 19 May 2020 11:56

Tgt Ion: 59 Resp: 13704

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002716.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002716.D (-481) (-)

4.96

30000

25000

20000

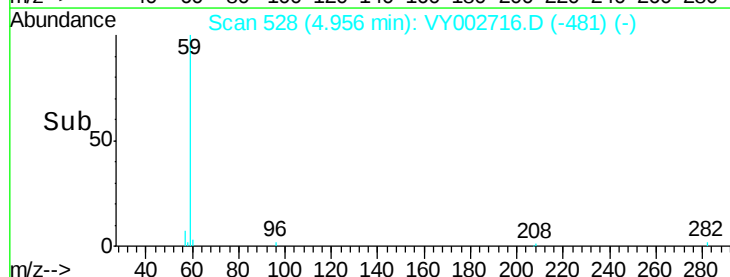
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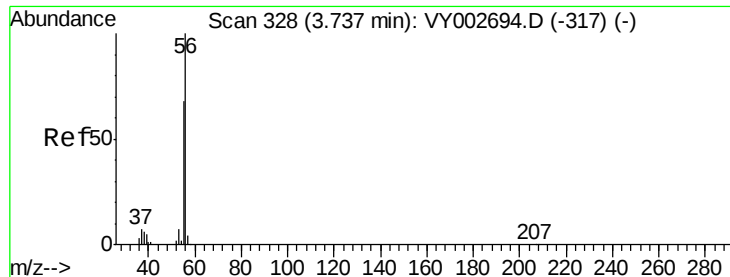
10000

5000

0

Time-->





#13

Acrolein

Concen: 11.650 ug/l

RT: 3.70 min Scan# 322

Delta R.T. -0.04 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

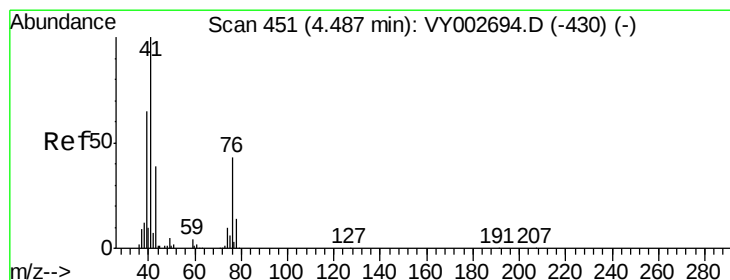
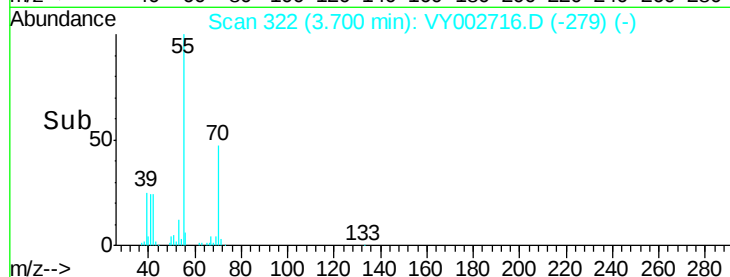
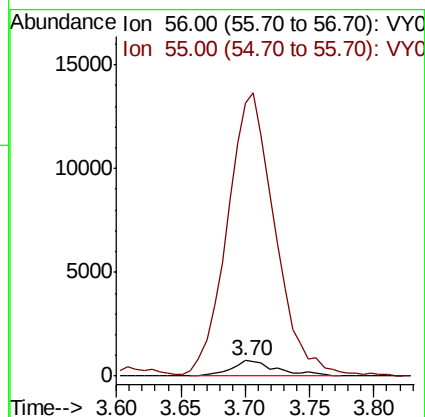
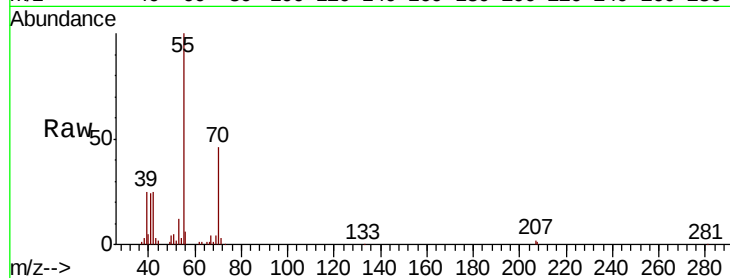
ClientSampled :

Tot Ion: 56 Resp: 1904

Ion Ratio Lower Upper

56 100

55 1854.4 54.8 82.2#



#14

Allyl chloride

Concen: 3.663 ug/l

RT: 4.58 min Scan# 466

Delta R.T. 0.09 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

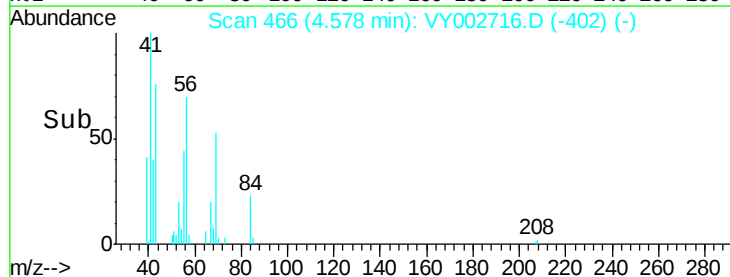
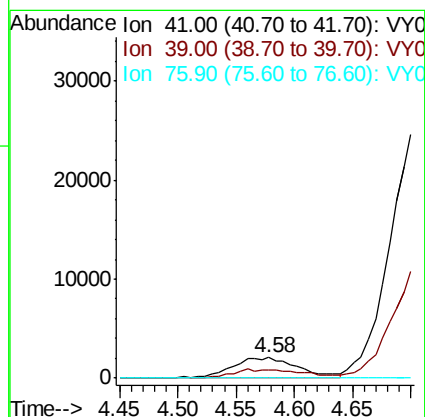
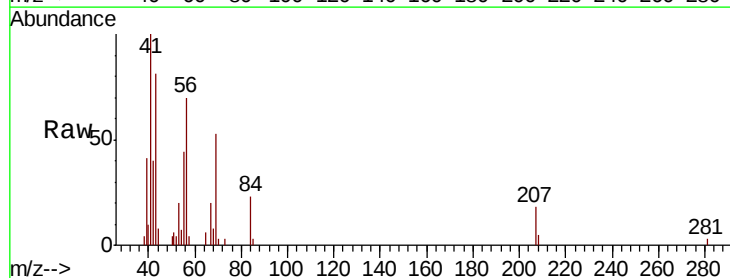
Tgt Ion: 41 Resp: 8092

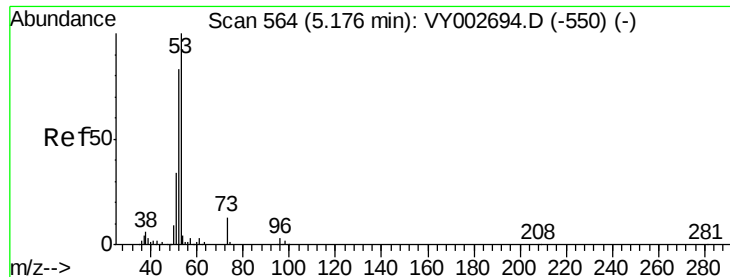
Ion Ratio Lower Upper

41 100

39 47.1 50.3 75.5#

76 0.0 33.2 49.8#





#15

Acrylonitrile

Concen: 88.526 ug/l

RT: 5.24 min Scan# 575

Delta R.T. 0.07 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

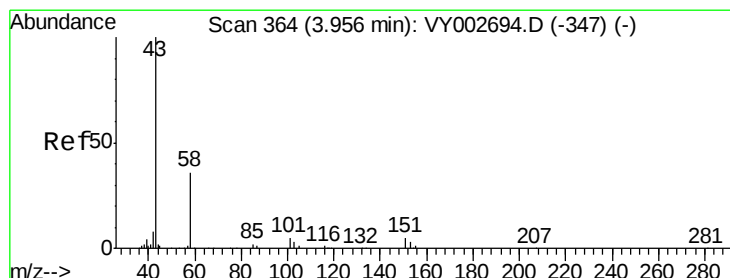
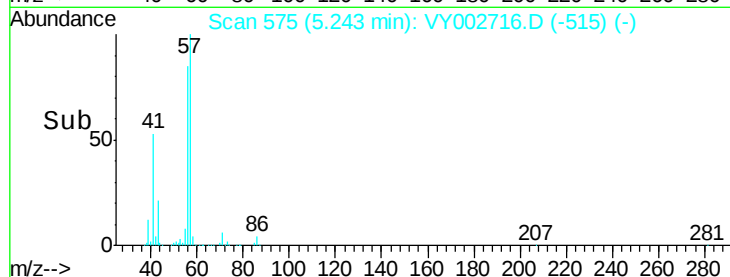
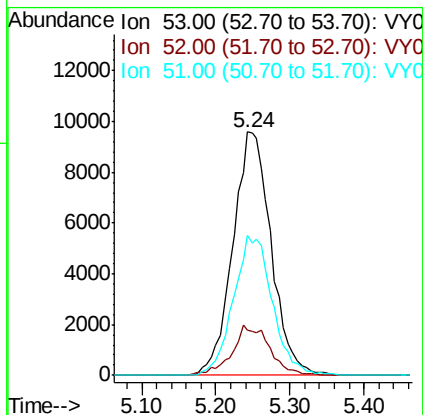
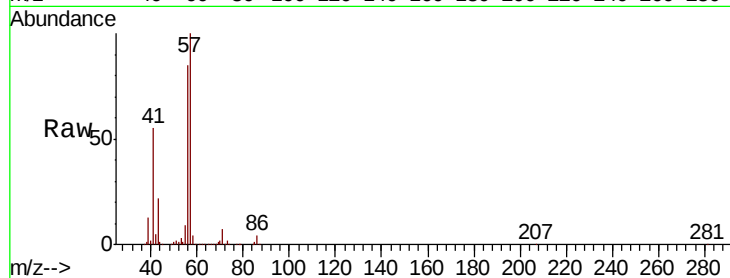
Tot Ion: 53 Resp: 34470

Ion Ratio Lower Upper

53 100

52 20.0 65.0 97.6#

51 58.4 27.9 41.9#



#16

Acetone

Concen: 351.895 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002716.D

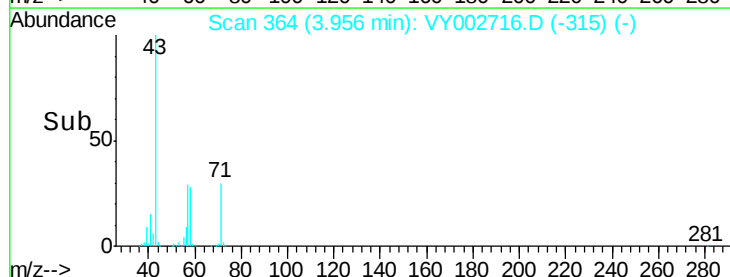
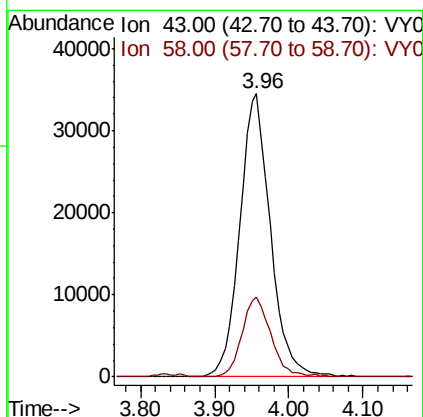
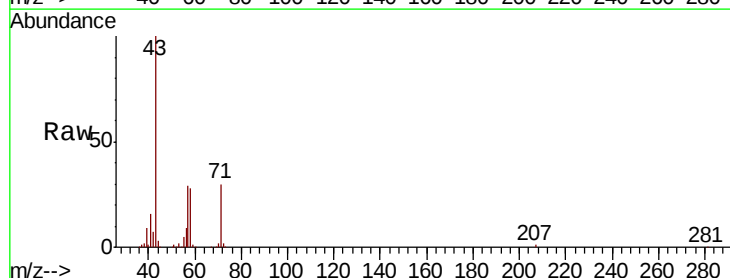
Acq: 19 May 2020 11:56

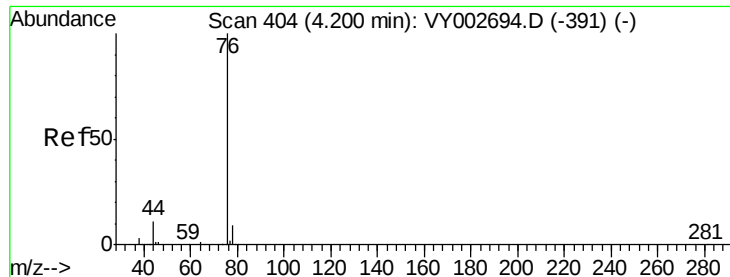
Tgt Ion: 43 Resp: 99533

Ion Ratio Lower Upper

43 100

58 28.1 28.6 43.0#

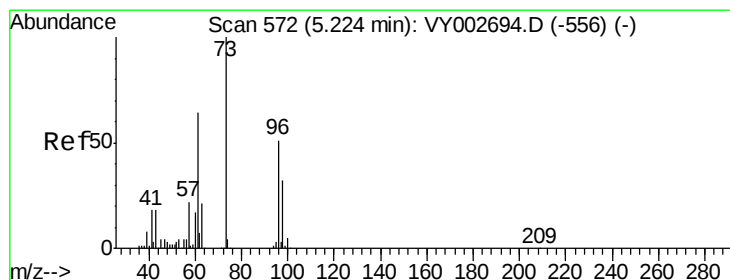
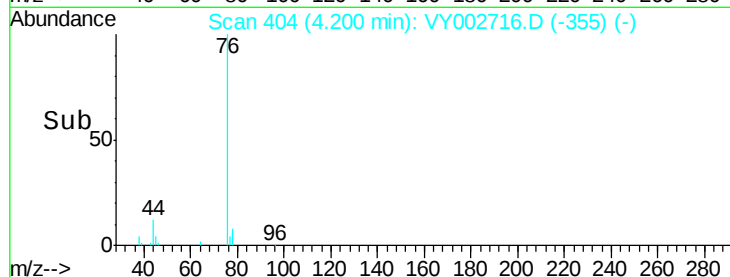
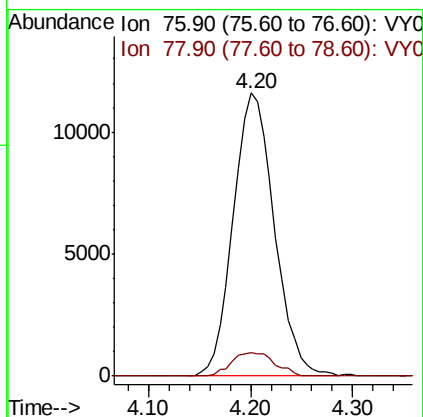
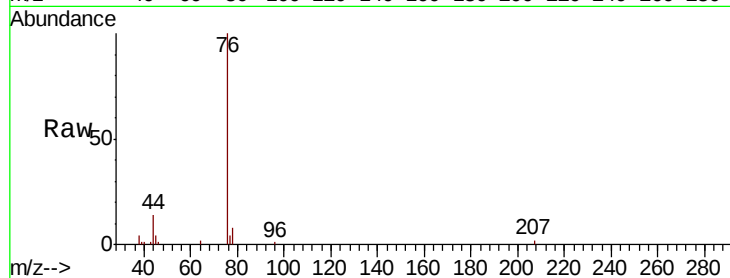




#17
Carbon Disulfide
Concen: 6.714 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

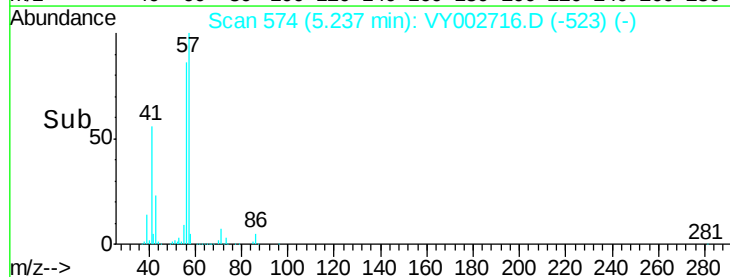
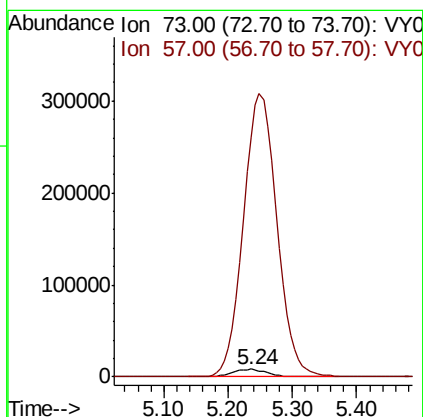
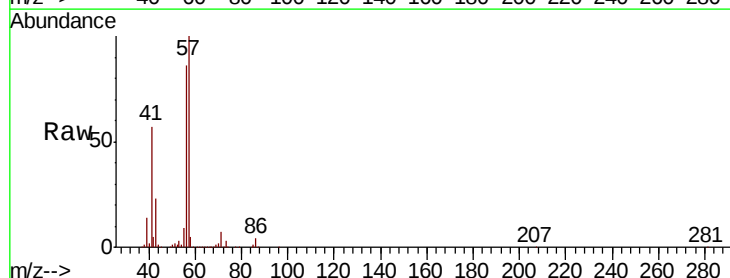
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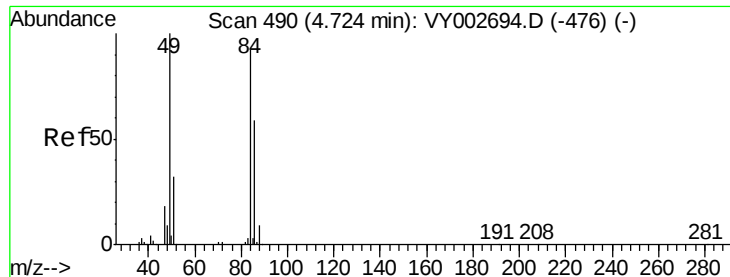
Tot Ion: 76 Resp: 32401
Ion Ratio Lower Upper
76 100
78 8.2 7.1 10.7



#19
Methyl tert-butyl Ether
Concen: 8.089 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

Tgt Ion: 73 Resp: 30871
Ion Ratio Lower Upper
73 100
57 3148.2 17.3 25.9#

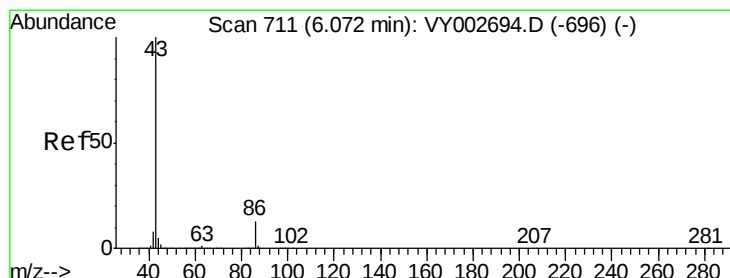
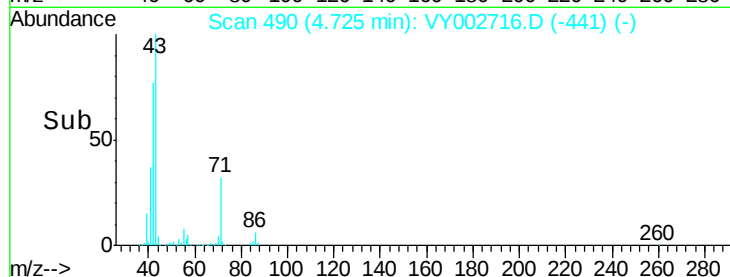
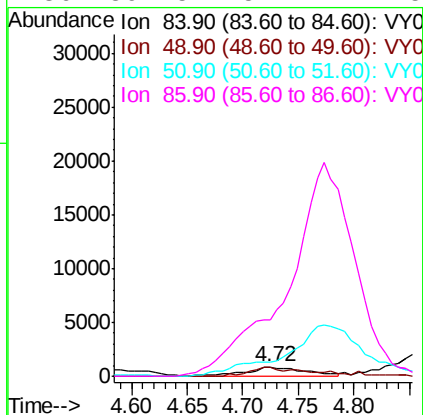
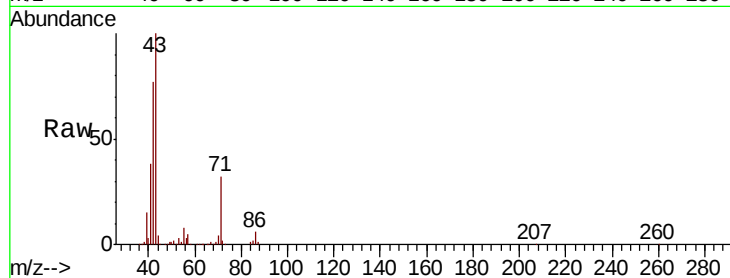




#20
Methvlene Chloride
Concen: 1.865 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

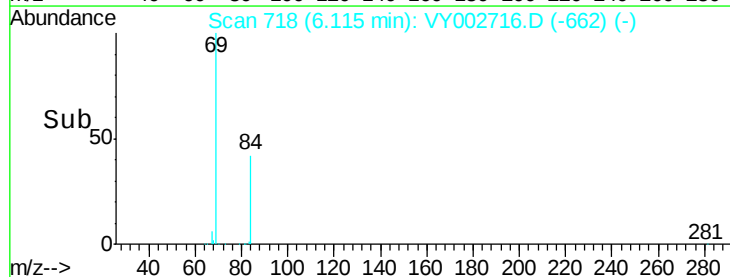
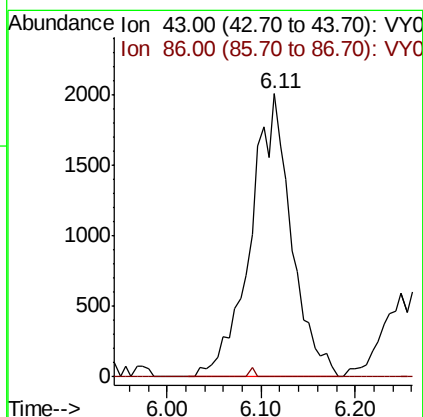
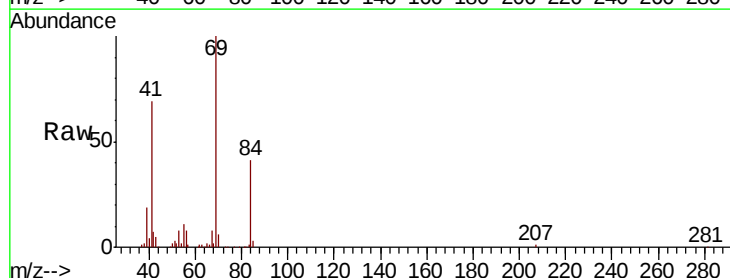
Instrument :
MSVOA_Y
ClientSampleId :

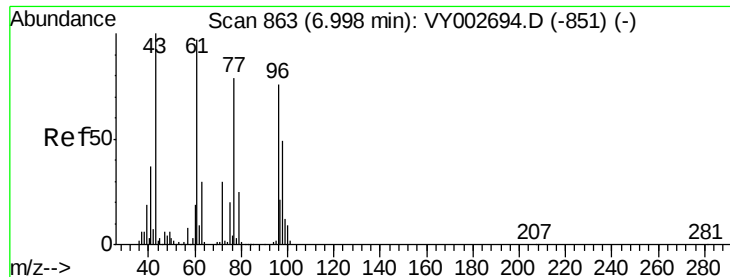
Tot Ion: 84 Resp: 3188
Ion Ratio Lower Upper
84 100
49 93.8 87.4 131.0
51 154.7 27.9 41.9#
86 597.5 51.7 77.5#



#23
Vinyl Acetate
Concen: 2.176 ug/l
RT: 6.11 min Scan# 718
Delta R.T. 0.04 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

Tgt Ion: 43 Resp: 6106
Ion Ratio Lower Upper
43 100
86 0.0 10.1 15.1#





#25

2-Butanone

Concen: 118.572 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

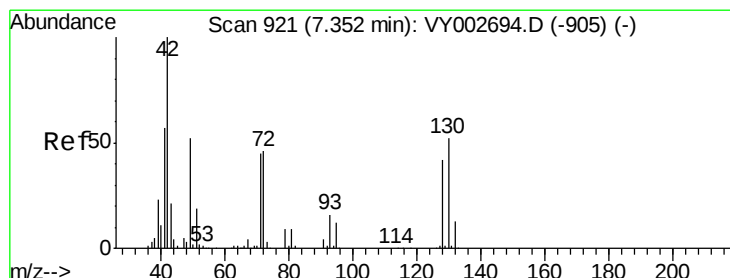
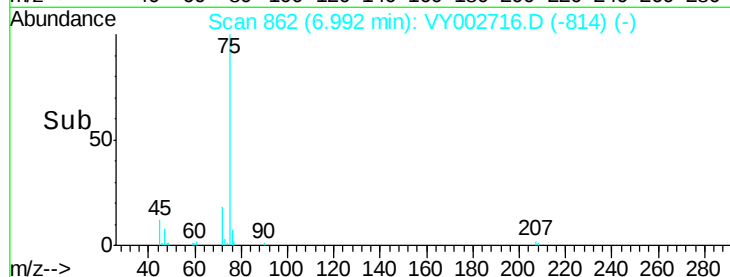
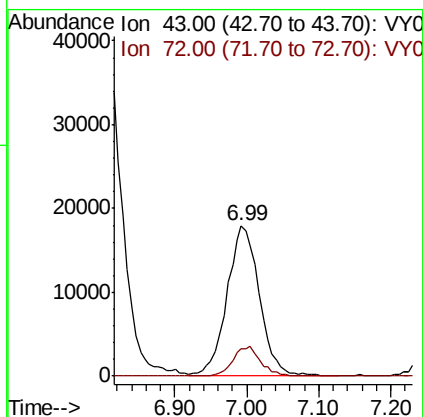
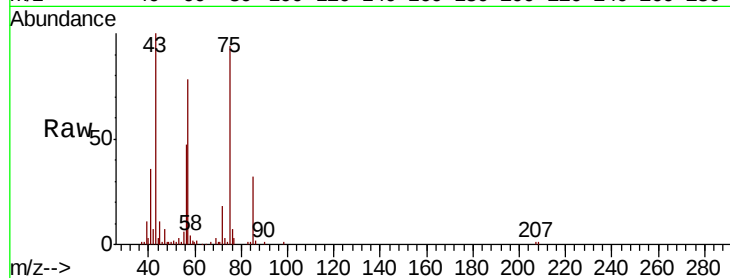
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 55490

Ion Ratio Lower Upper

43 100

72 18.2 24.1 36.1#



#29

Tetrahydrofuran

Concen: 3.568 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

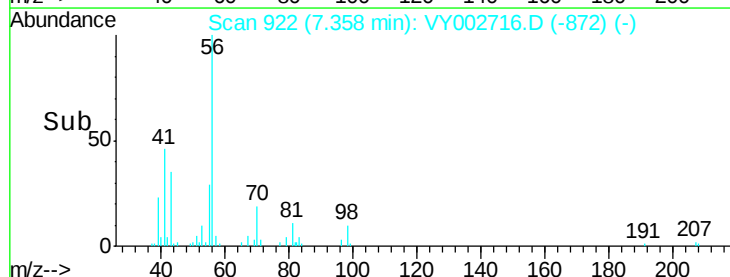
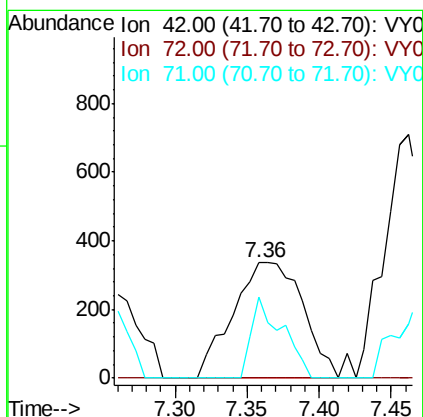
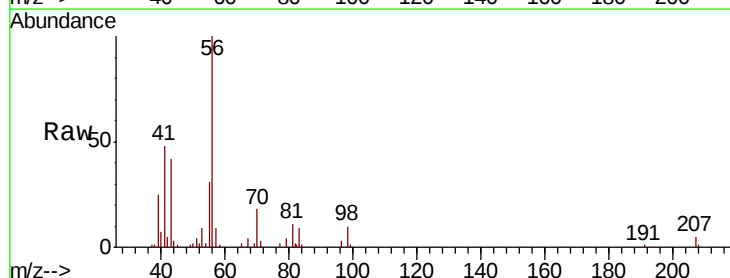
Tgt Ion: 42 Resp: 1136

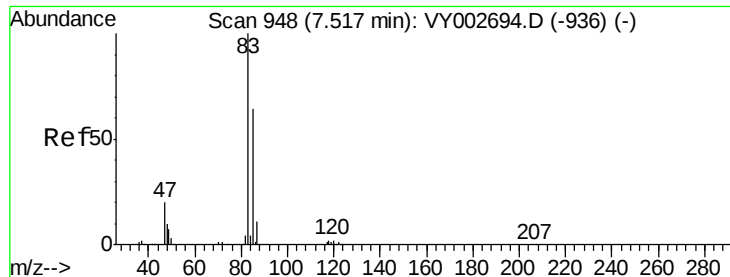
Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.2#

71 0.0 35.8 53.8#

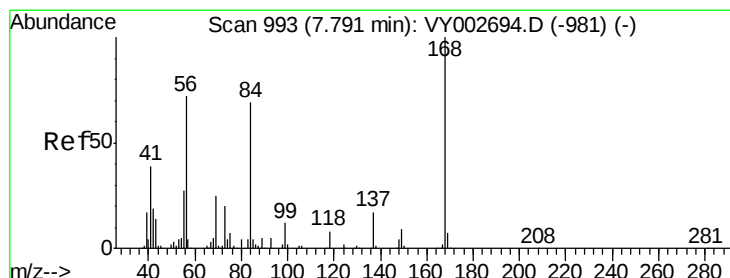
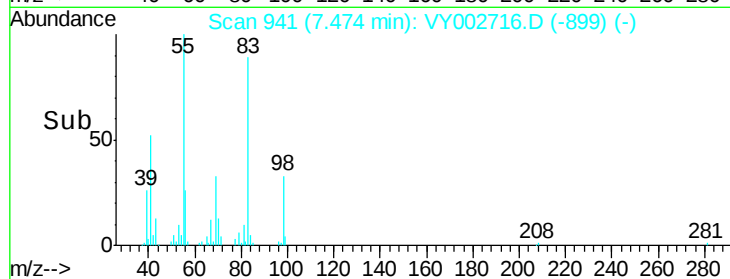
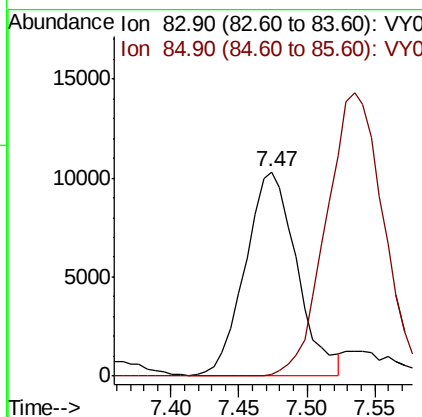
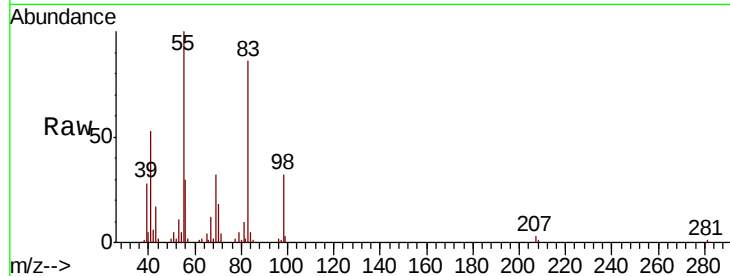




#30
Chloroform
Concen: 10.066 ug/l
RT: 7.47 min Scan# 941
Delta R.T. -0.04 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

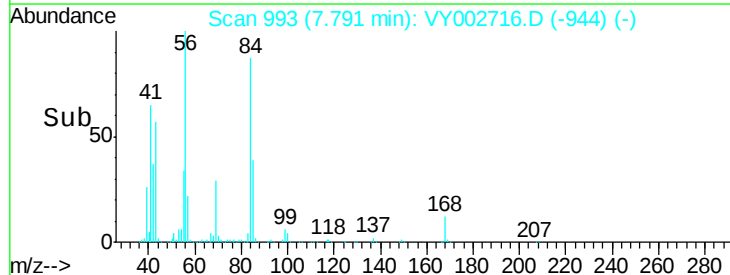
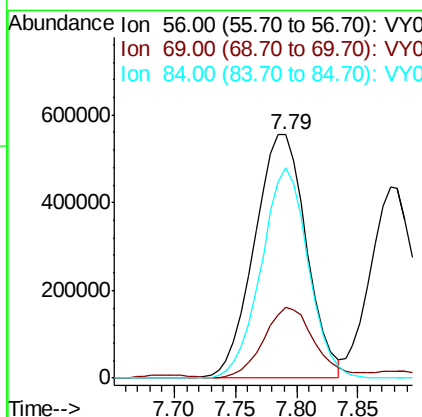
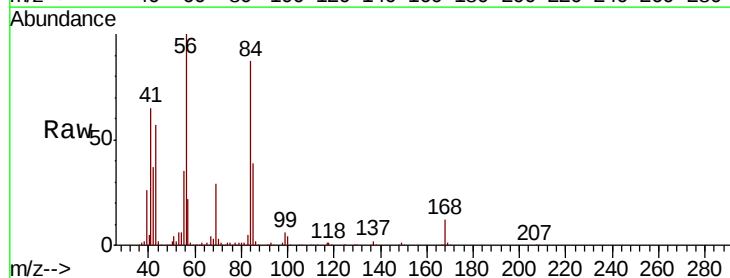
Instrument :
MSVOA_Y
ClientSampleId :

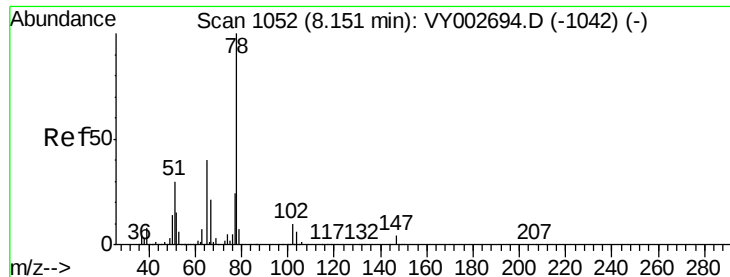
Tot Ion: 83 Resp: 27359
Ion Ratio Lower Upper
83 100
85 1.2 51.5 77.3#



#31
Cyclohexane
Concen: 616.799 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

Tgt Ion: 56 Resp: 1638216
Ion Ratio Lower Upper
56 100
69 28.5 27.7 41.5
84 86.8 77.0 115.4

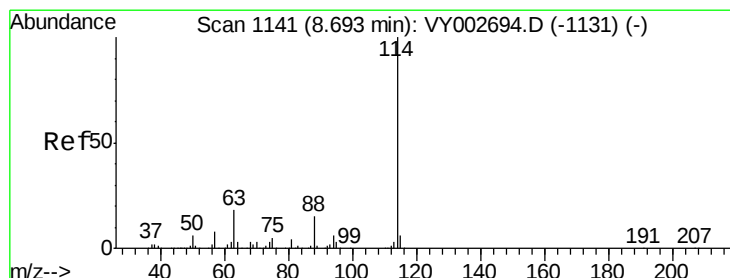
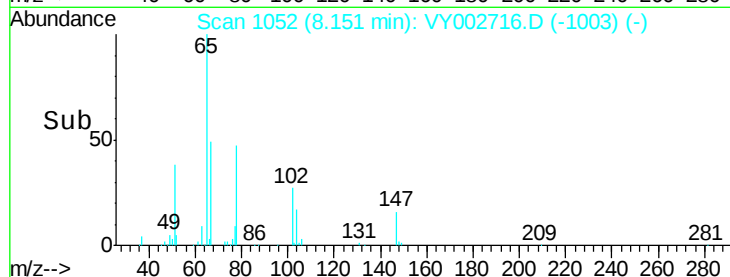
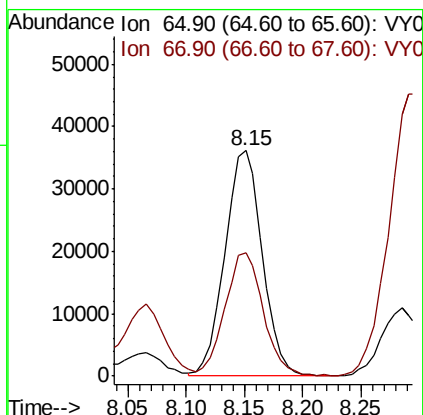
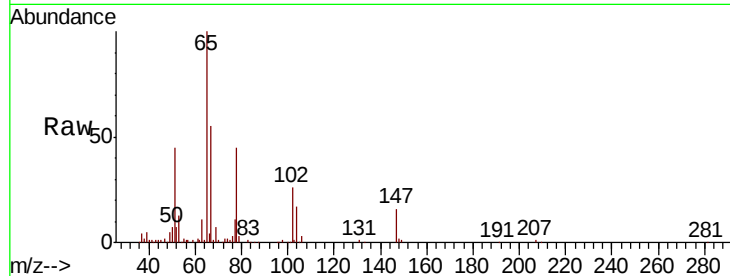




#33
 1,2-Dichloroethane-d4
 Concen: 58.454 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002716.D
 Acq: 19 May 2020 11:56

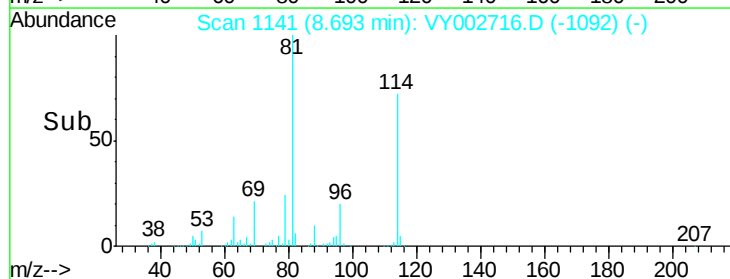
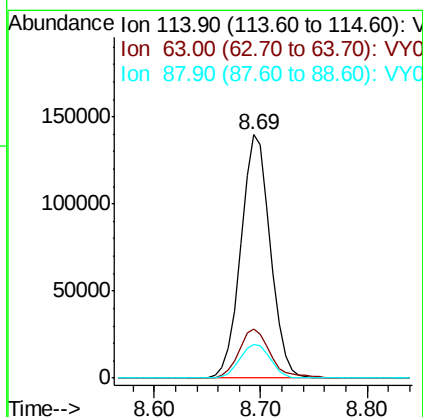
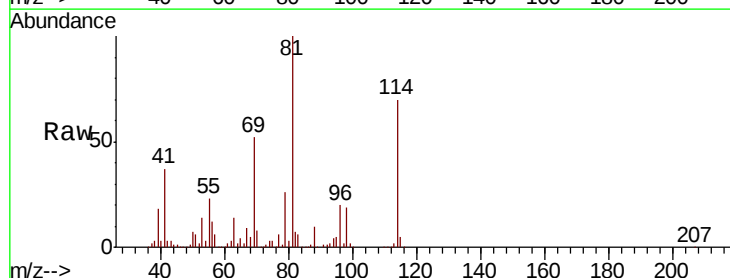
Instrument :
 MSVOA_Y
 ClientSampleId :

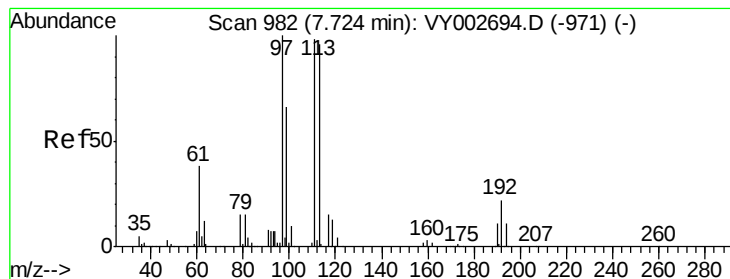
Tot Ion: 65 Resp: 80203
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002716.D
 Acq: 19 May 2020 11:56

Tgt Ion: 114 Resp: 271231
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 35.4
 88 13.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 55.487 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :

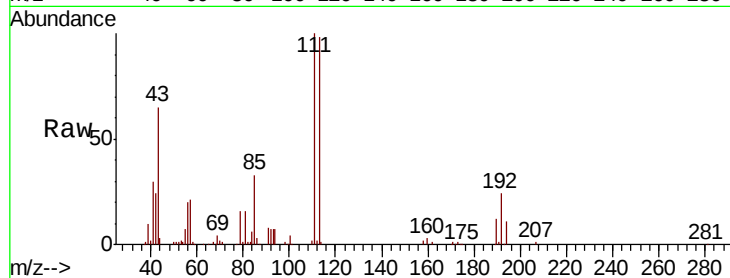
Tot Ion:113 Resp: 83056

Ion Ratio Lower Upper

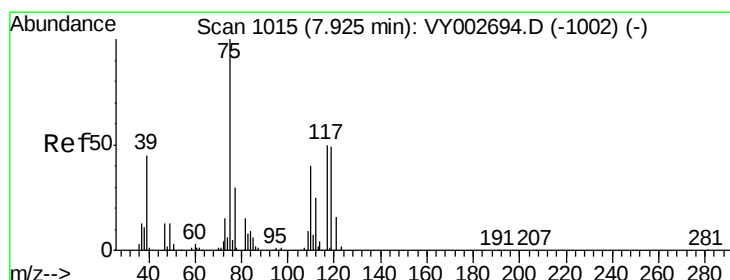
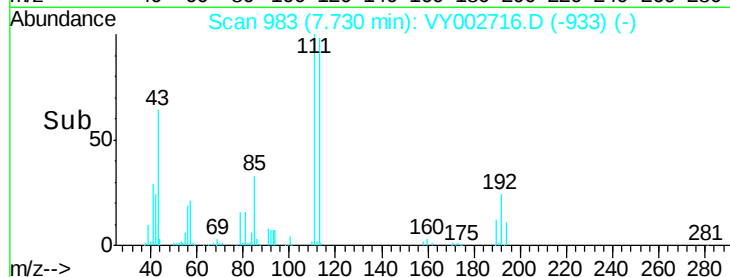
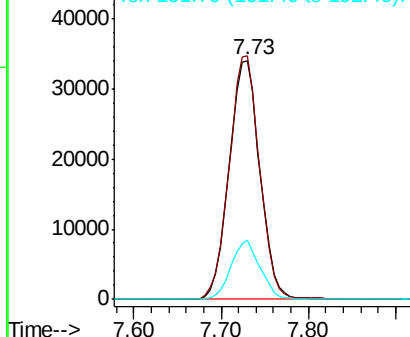
113 100

111 101.1 81.9 122.9

192 23.2 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: 5.444 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

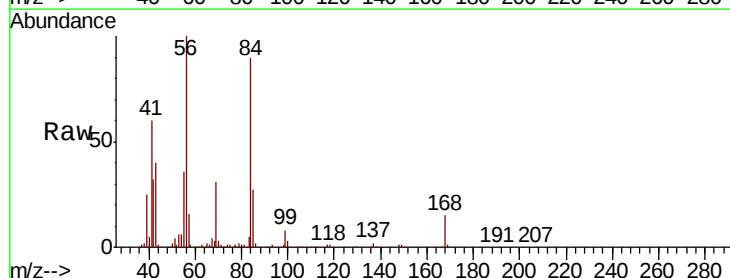
Tgt Ion: 75 Resp: 12499

Ion Ratio Lower Upper

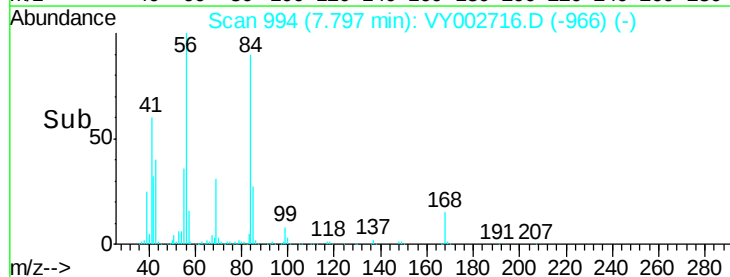
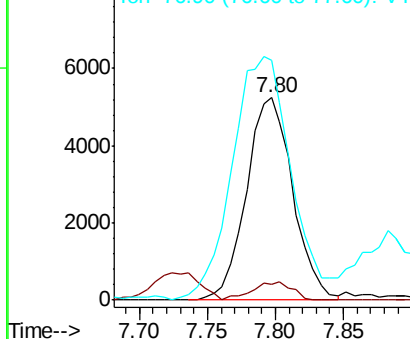
75 100

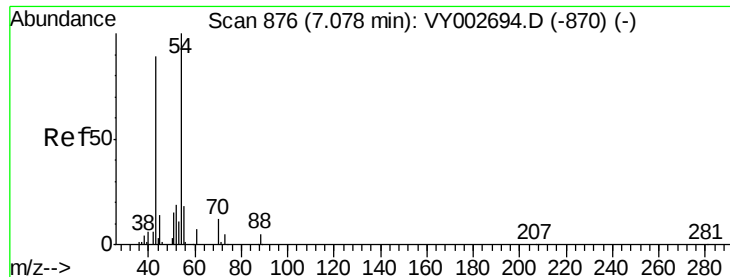
110 7.7 19.4 58.4#

77 153.4 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0

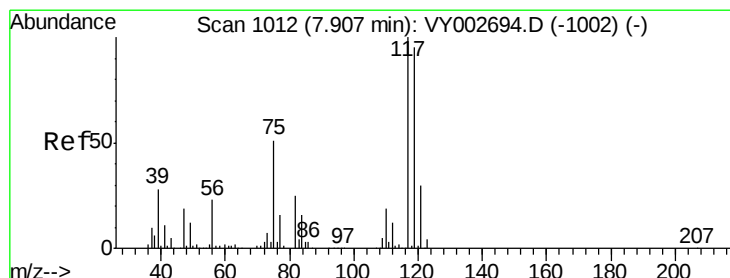
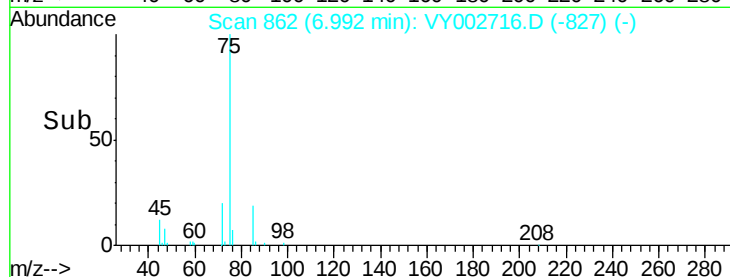
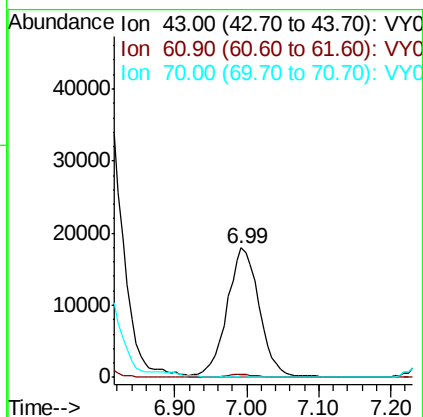
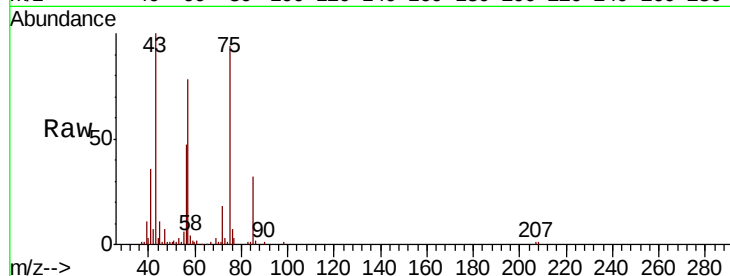




#37
Ethyl Acetate
Concen: 49.135 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.09 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

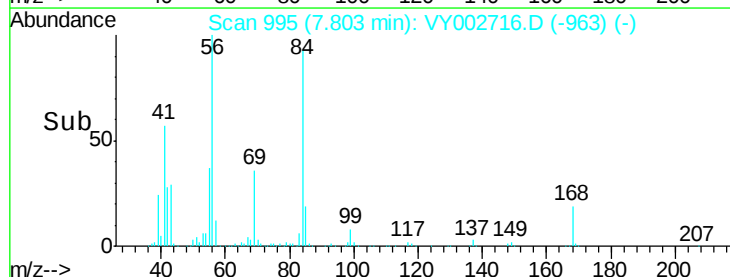
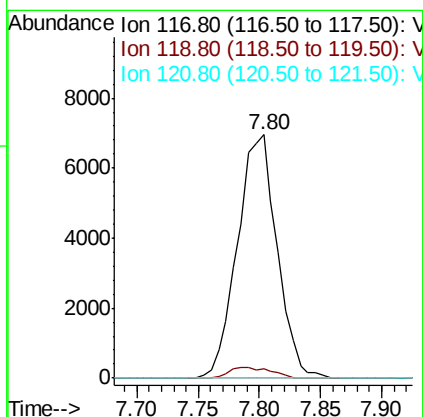
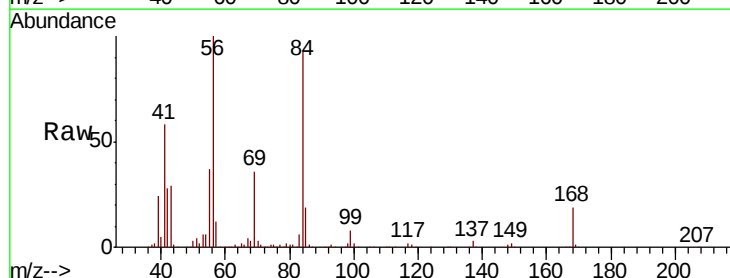
Instrument :
MSVOA_Y
ClientSampled :

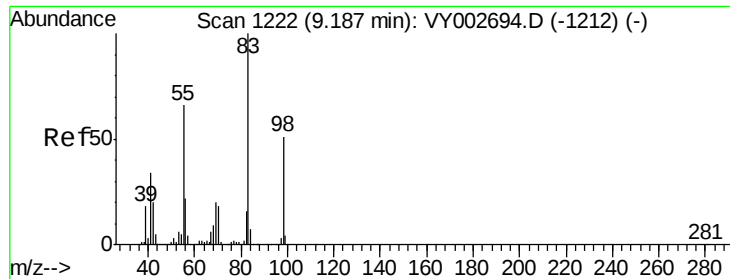
Tot Ion: 43 Resp: 55490
Ion Ratio Lower Upper
43 100
61 2.1 11.8 17.8#
70 1.1 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 6.357 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.10 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

Tgt Ion: 117 Resp: 15687
Ion Ratio Lower Upper
117 100
119 3.6 76.3 114.5#
121 0.0 24.2 36.2#

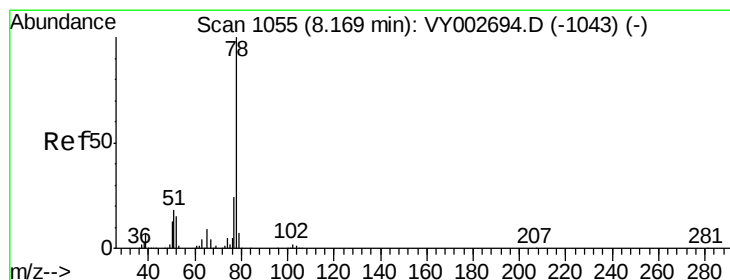
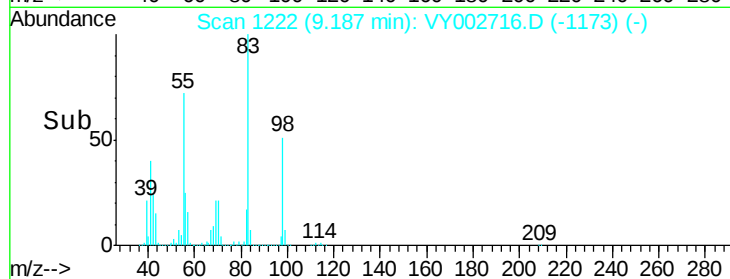
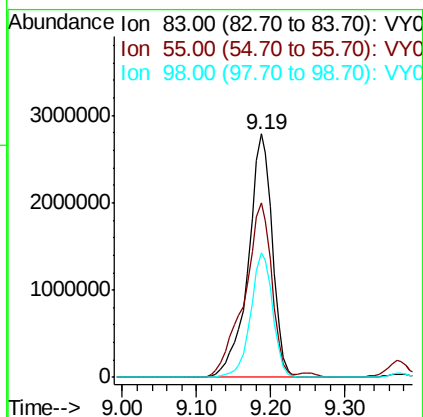
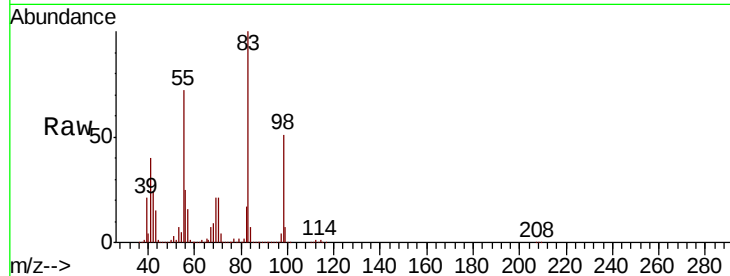




#39
Methvlcvclohexane
Concen: 2040.980 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

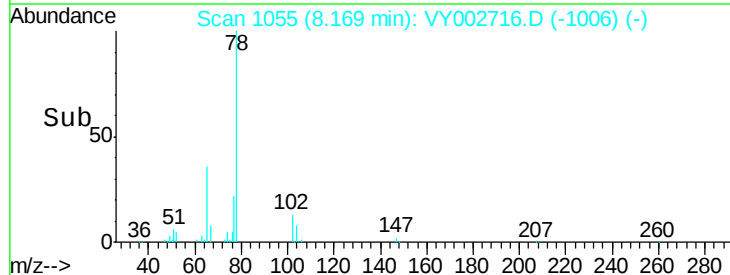
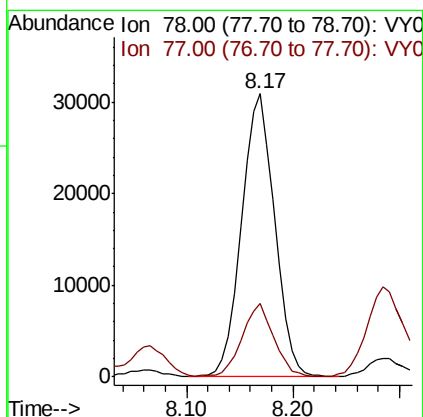
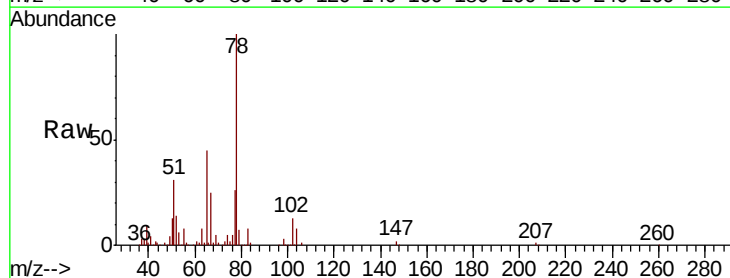
Instrument :
MSVOA_Y
ClientSampleId :

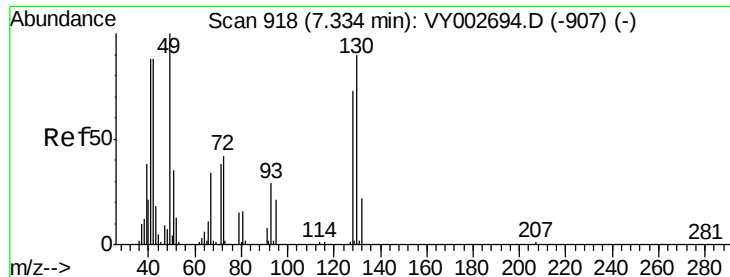
Tot Ion: 83 Resp: 6301265
Ion Ratio Lower Upper
83 100
55 71.8 53.0 79.6
98 51.3 40.8 61.2



#40
Benzene
Concen: 10.067 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

Tgt Ion: 78 Resp: 67447
Ion Ratio Lower Upper
78 100
77 25.3 19.2 28.8

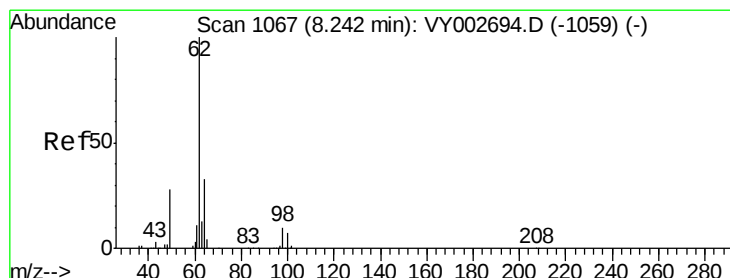
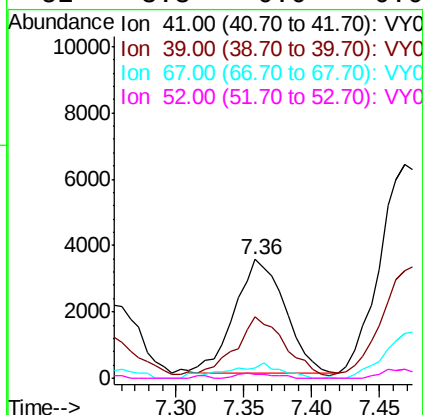
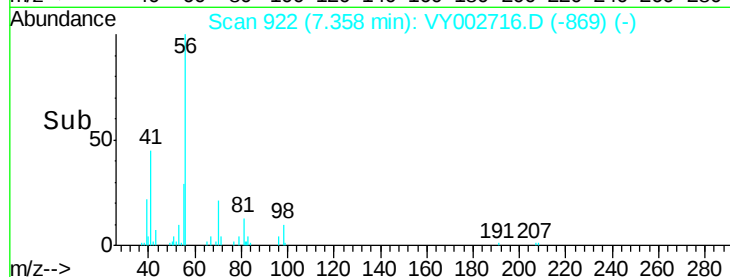
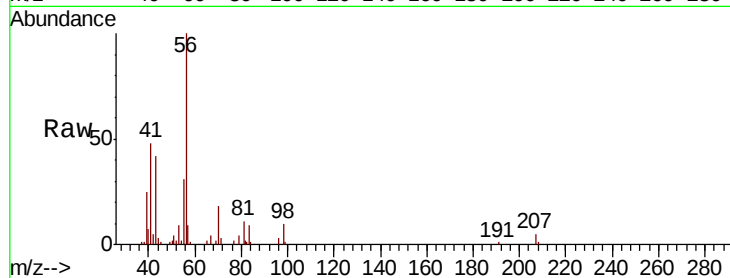




#41
Methacrylonitrile
Concen: 13.088 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.02 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

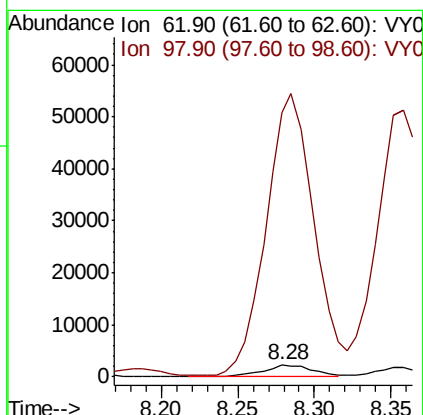
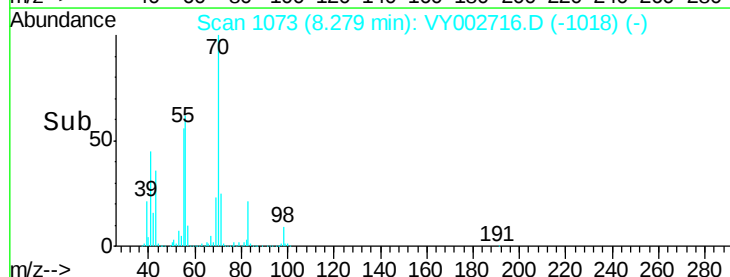
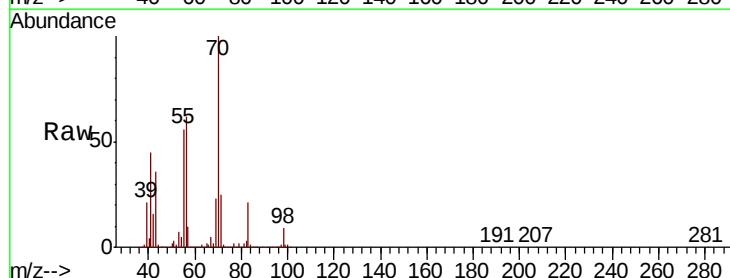
Instrument :
MSVOA_Y
ClientSampled :

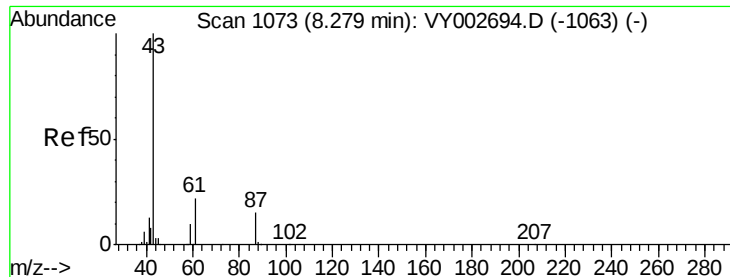
Tot Ion:	41	Resp:	8880
Ion	Ratio	Lower	Upper
41	100		
39	49.5	0.0	0.0#
67	0.0	0.0	0.0
52	3.3	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 2.995 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.04 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

Tgt Ion:	62	Resp:	5293
Ion	Ratio	Lower	Upper
62	100		
98	2229.6	0.0	21.8#





#43

Isopropyl Acetate

Concen: 260.451 ug/l

RT: 8.27 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

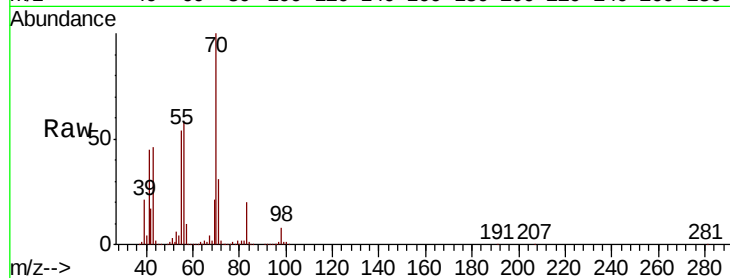
Tot Ion: 43 Resp: 546632

Ion Ratio Lower Upper

43 100

61 0.4 24.9 37.3#

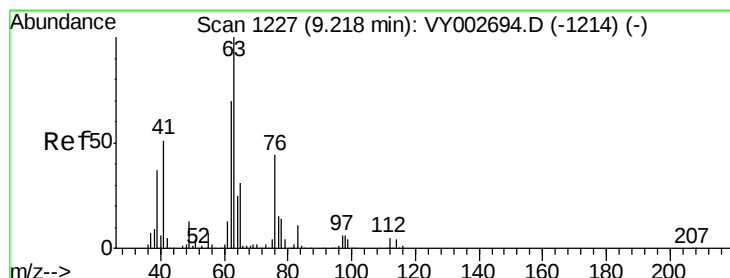
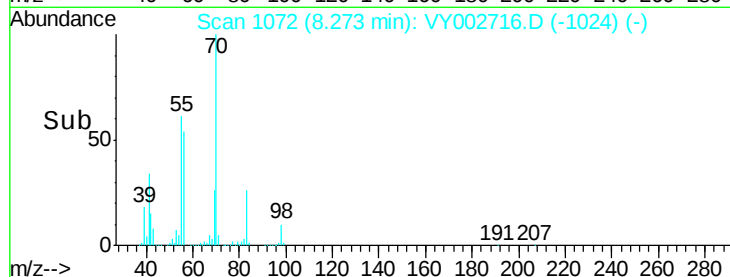
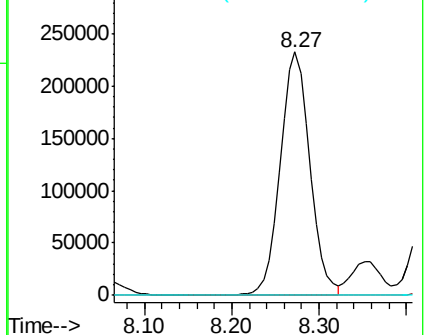
87 0.0 12.6 19.0#



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: 37.652 ug/l

RT: 9.19 min Scan# 1222

Delta R.T. -0.03 min

Lab File: VY002716.D

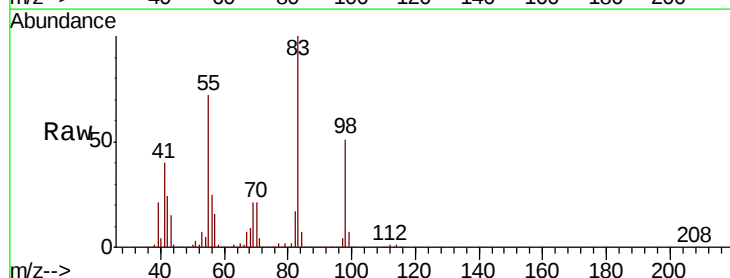
Acq: 19 May 2020 11:56

Tgt Ion: 63 Resp: 59868

Ion Ratio Lower Upper

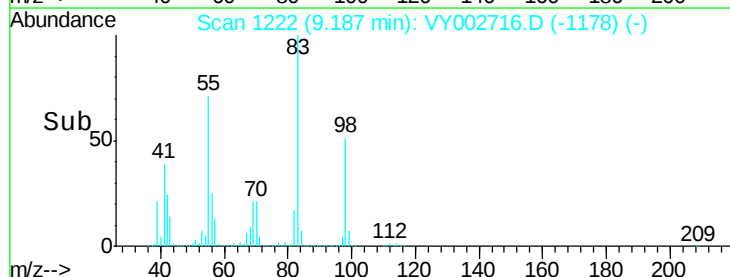
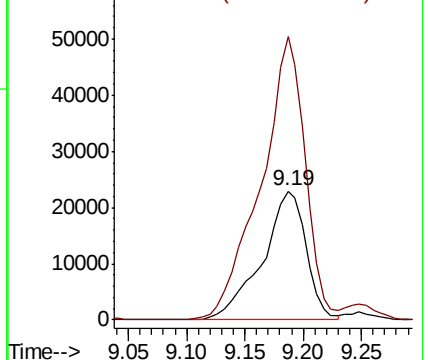
63 100

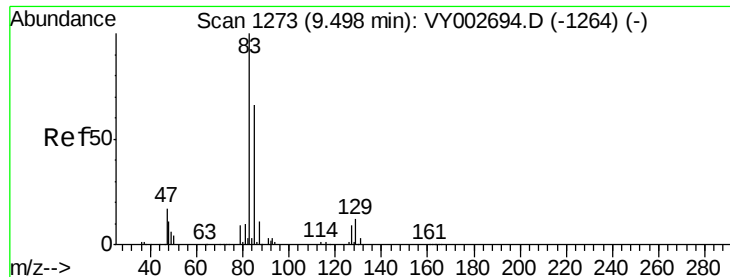
65 219.4 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0





#47

Bromodichloromethane

Concen: 78.022 ug/l

RT: 9.47 min Scan# 1268

Delta R.T. -0.03 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

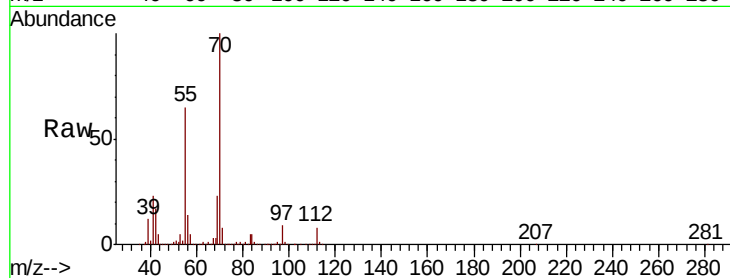
Tot Ion: 83 Resp: 170107

Ion Ratio Lower Upper

83 100

85 12.4 52.4 78.6#

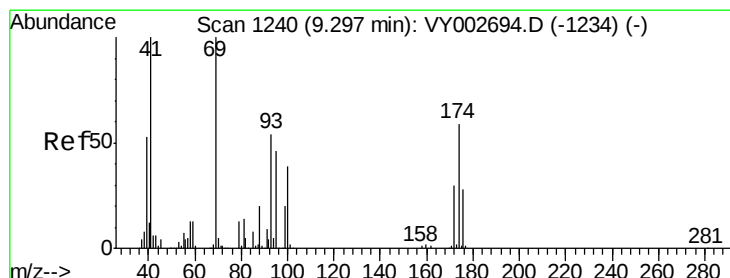
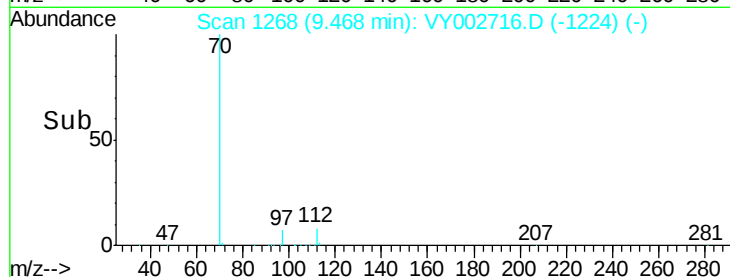
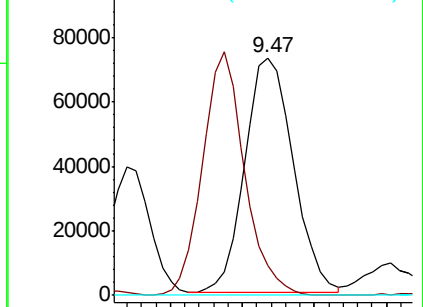
127 0.0 7.6 11.4#



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: 311.943 ug/l

RT: 9.25 min Scan# 1232

Delta R.T. -0.05 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

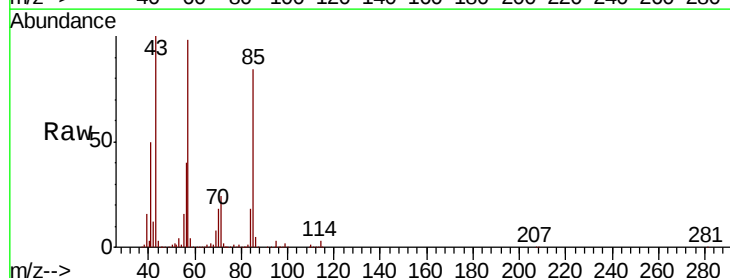
Tgt Ion: 41 Resp: 301445

Ion Ratio Lower Upper

41 100

69 0.0 78.7 118.1#

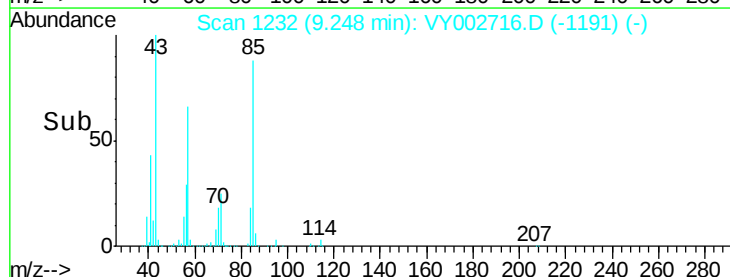
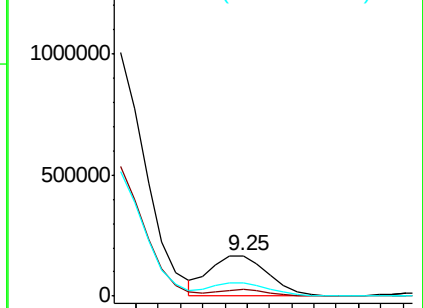
39 33.8 42.9 64.3#

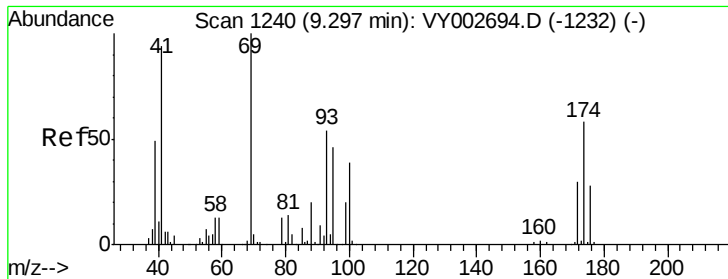


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 4.849 ug/l

RT: 9.19 min Scan# 1223

Delta R.T. -0.10 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :
MSVOA_Y
ClientSampled :

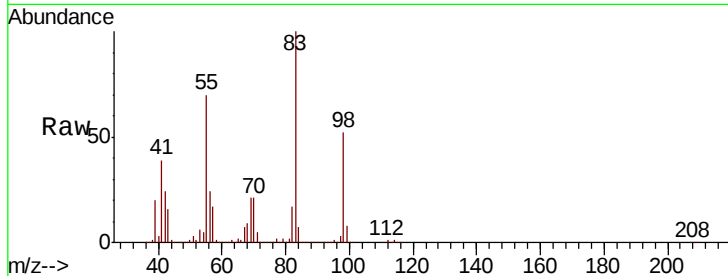
Tot Ion: 88 Resp: 59

Ion Ratio Lower Upper

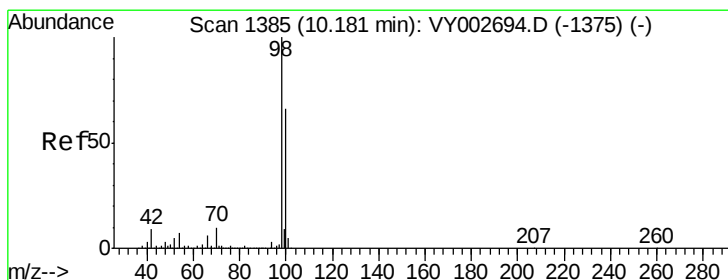
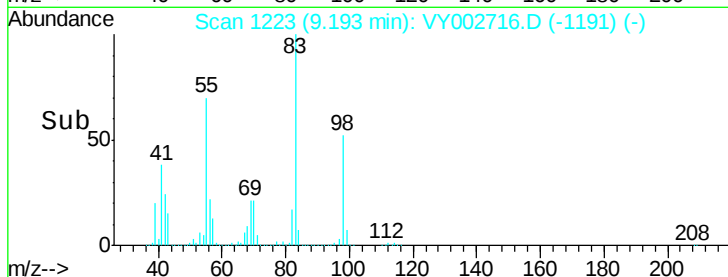
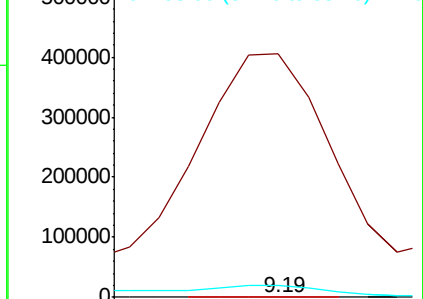
88 100

43 1575759.3 23.4 35.0#

58 62813.6 54.5 81.7#



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 118.040 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002716.D

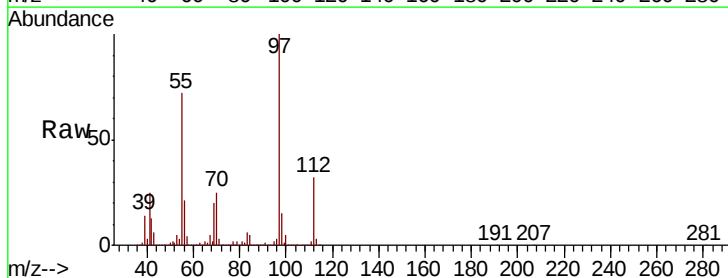
Acq: 19 May 2020 11:56

Tgt Ion: 98 Resp: 711369

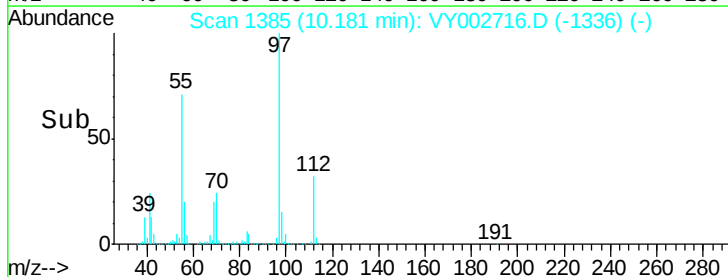
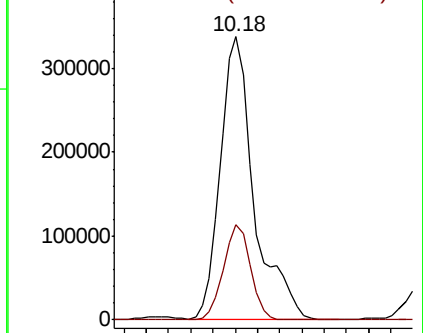
Ion Ratio Lower Upper

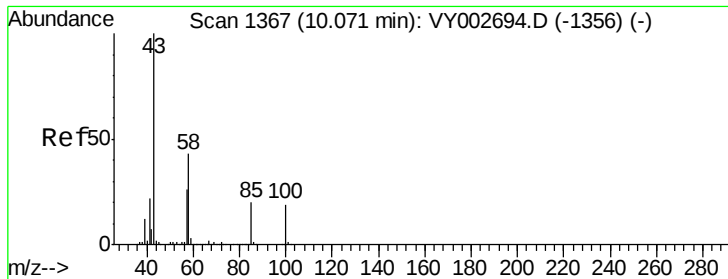
98 100

100 26.9 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: 241.809 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

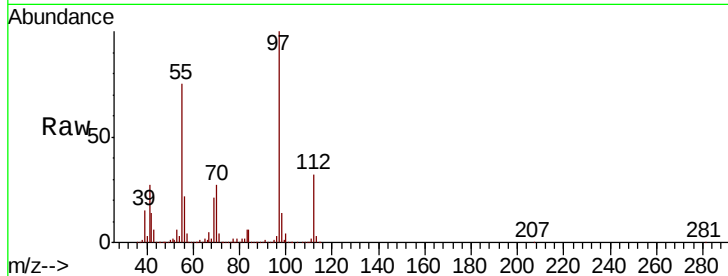
ClientSampled :

Tot Ion: 43 Resp: 262025

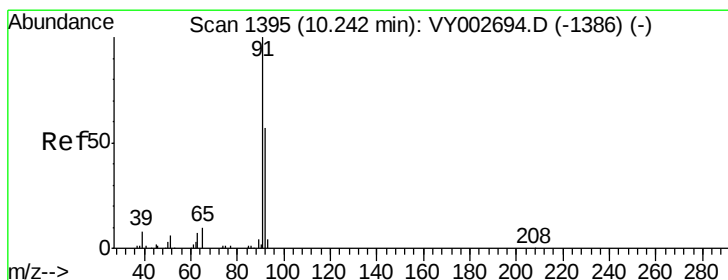
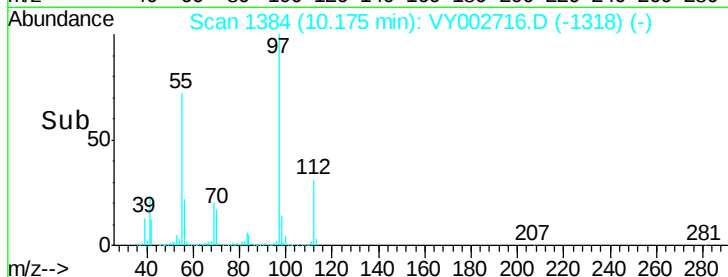
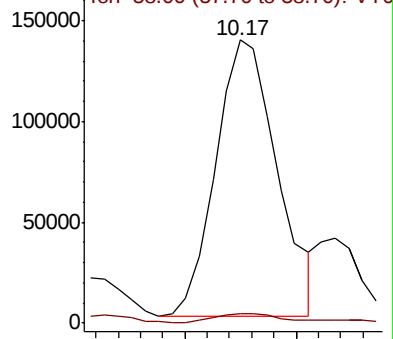
Ion Ratio Lower Upper

43 100

58 3.0 34.1 51.1#



Abundance Ion 43.00 (42.70 to 43.70): VY002716.D (-1356) (-)



#52

Toluene

Concen: 2.498 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY002716.D

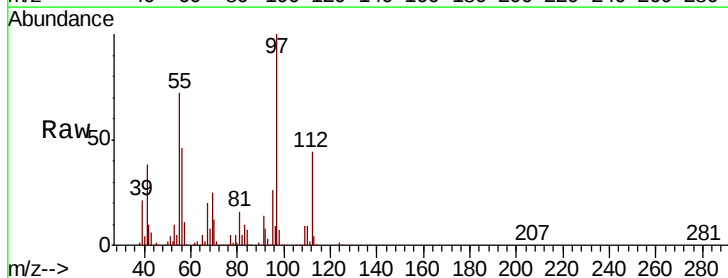
Acq: 19 May 2020 11:56

Tgt Ion: 92 Resp: 10829

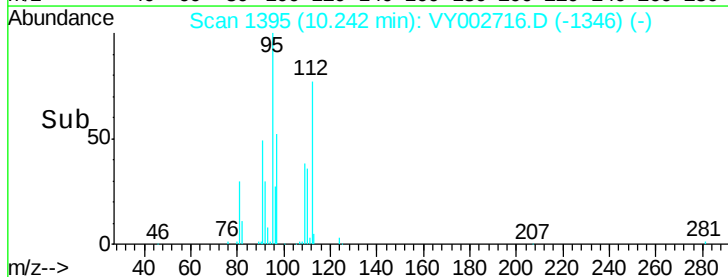
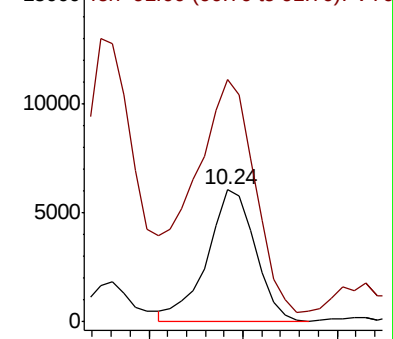
Ion Ratio Lower Upper

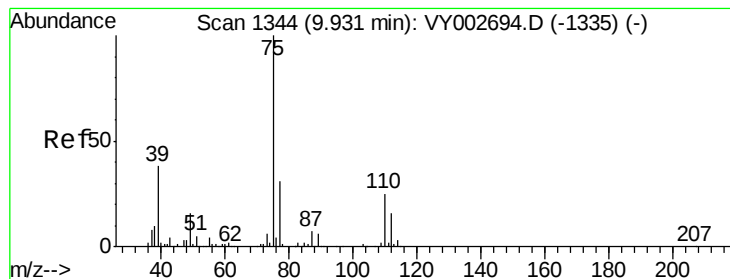
92 100

91 217.7 138.8 208.2#



Abundance Ion 92.00 (91.70 to 92.70): VY002716.D (-1386) (-)



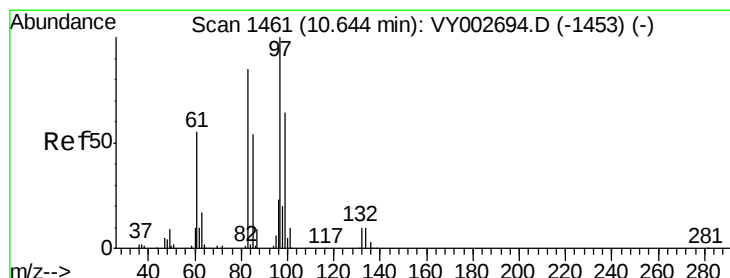
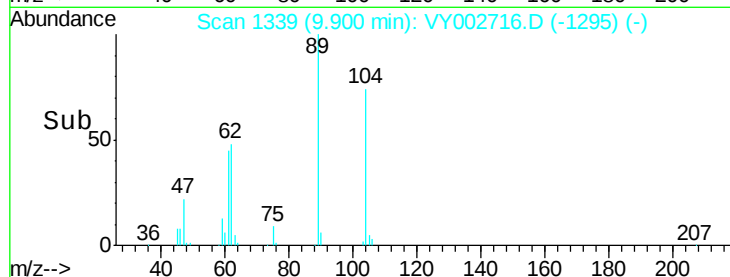
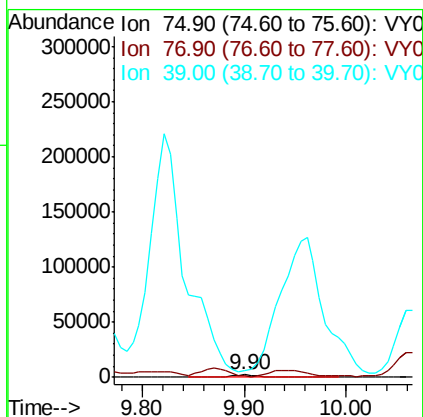
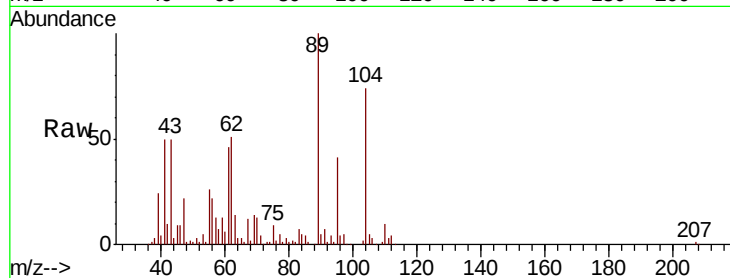


#54

cis-1,3-Dichloropropene
Concen: 1.807 ug/l
RT: 9.90 min Scan# 1339
Delta R.T. -0.03 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

Instrument :
MSVOA_Y
ClientSampled :

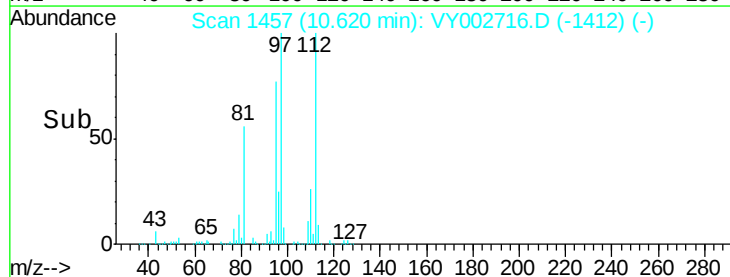
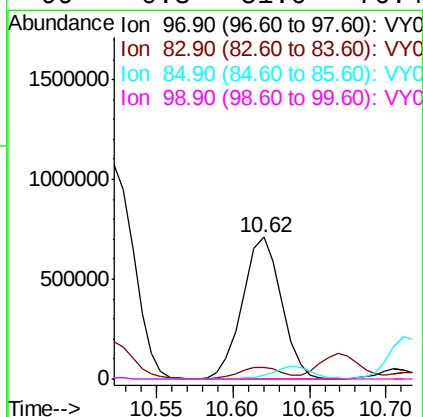
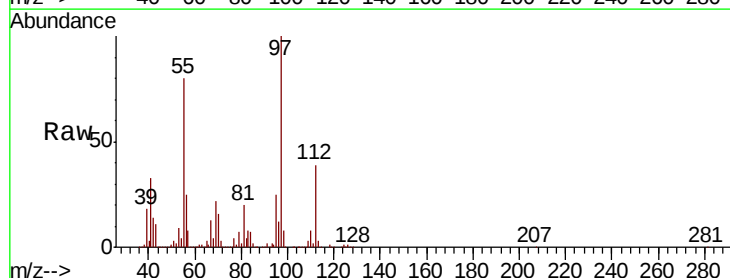
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.8	37.2#
39	0.0	30.7	46.1#

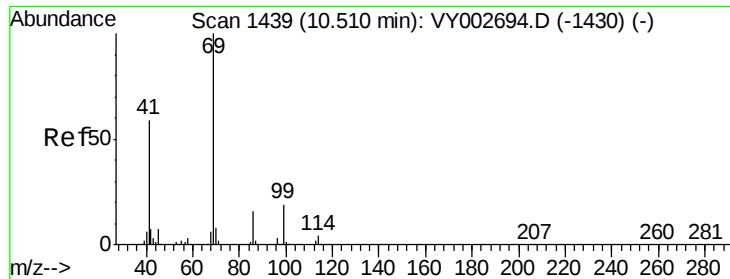


#55

1,1,2-Trichloroethane
Concen: 947.404 ug/l
RT: 10.62 min Scan# 1457
Delta R.T. -0.02 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	8.0	68.1	102.1#
85	2.4	43.1	64.7#
99	0.3	51.0	76.4#





#56

Ethyl methacrylate

Concen: 250.756 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.01 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

ClientSampled :

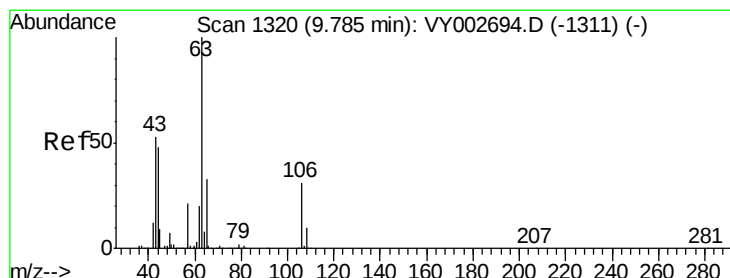
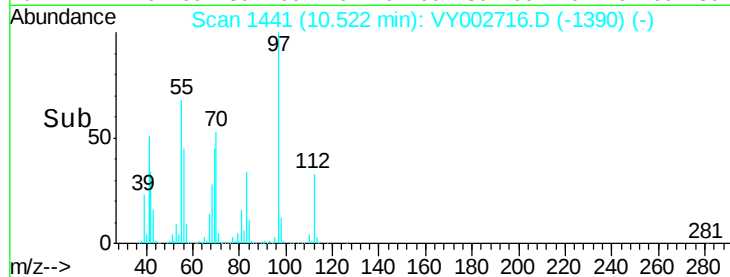
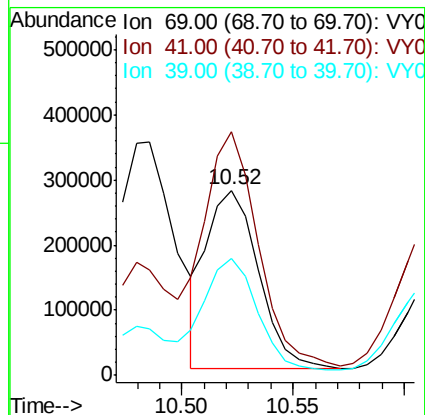
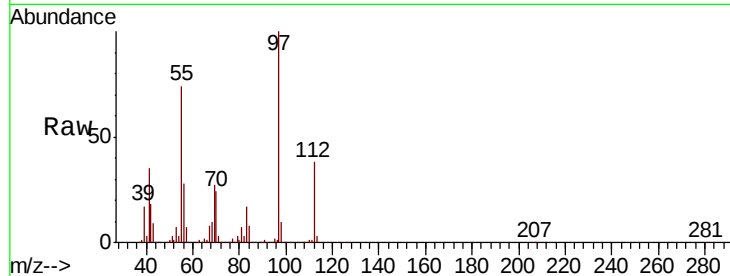
Tot Ion: 69 Resp: 443979

Ion Ratio Lower Upper

69 100

41 140.8 48.0 72.0#

39 67.5 22.1 33.1#



#58

2-Chloroethyl Vinyl ether

Concen: 5.147 ug/l

RT: 9.77 min Scan# 1317

Delta R.T. -0.02 min

Lab File: VY002716.D

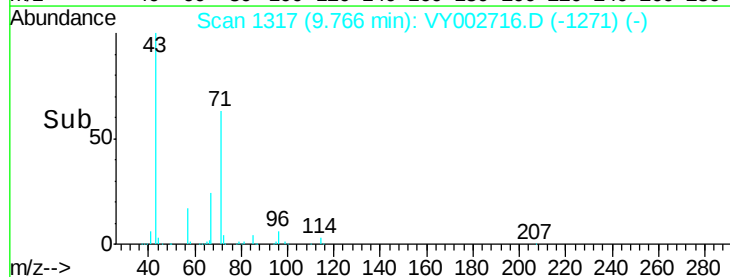
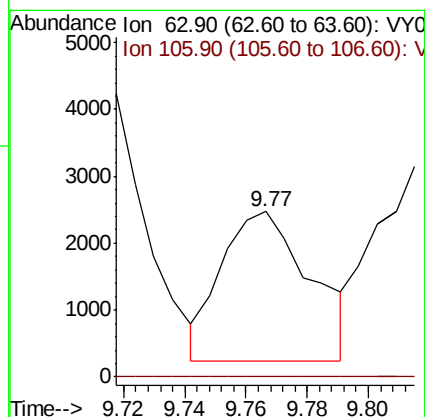
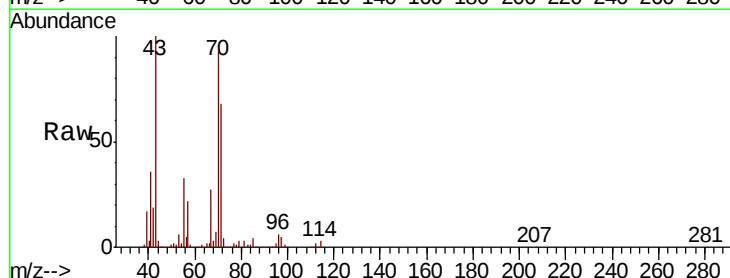
Acq: 19 May 2020 11:56

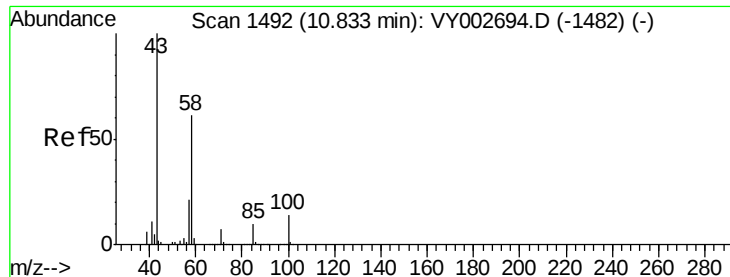
Tgt Ion: 63 Resp: 4499

Ion Ratio Lower Upper

63 100

106 0.0 25.1 37.7#

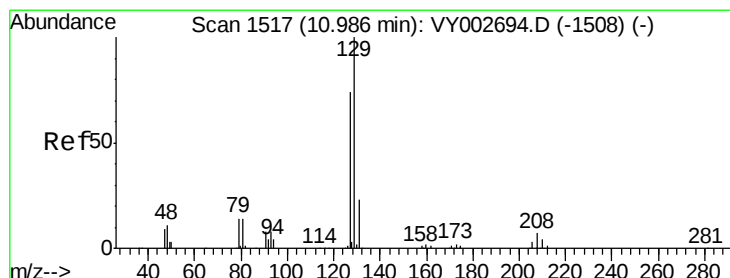
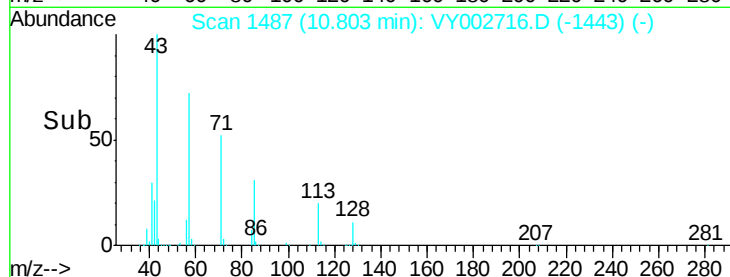
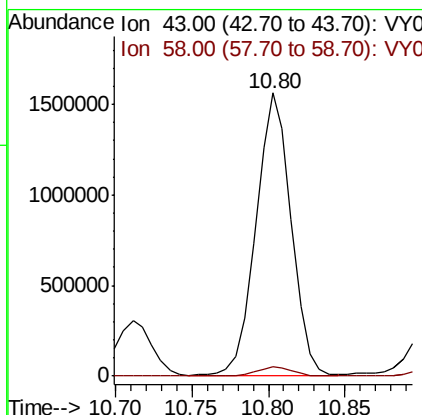
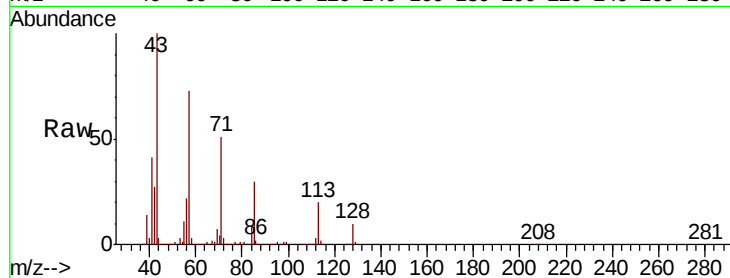




#59
2-Hexanone
Concen: 3269.643 ug/l
RT: 10.80 min Scan# 1487
Delta R.T. -0.03 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

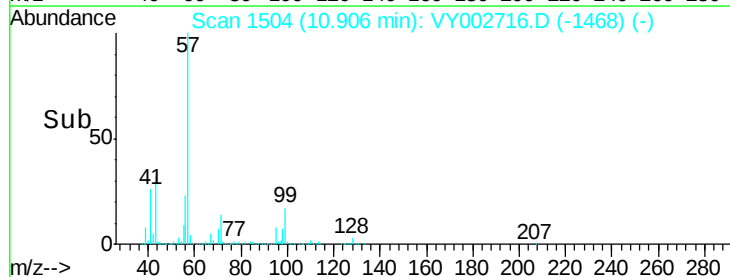
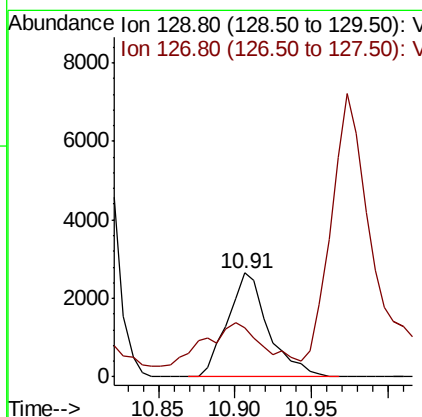
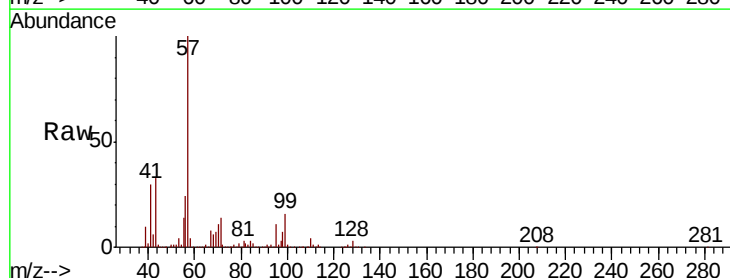
Instrument :
MSVOA_Y
ClientSampleId :

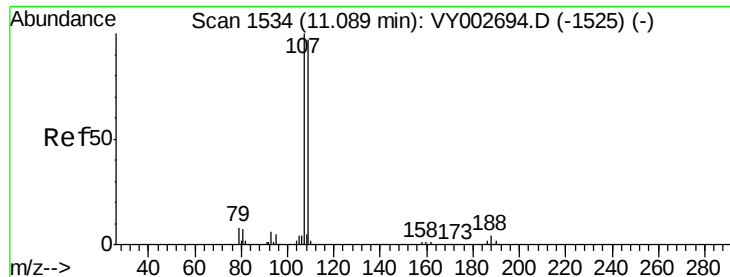
Tot Ion: 43 Resp: 2468399
Ion Ratio Lower Upper
43 100
58 3.3 29.8 89.4#



#60
Dibromochloromethane
Concen: 2.902 ug/l
RT: 10.91 min Scan# 1504
Delta R.T. -0.08 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

Tgt Ion: 129 Resp: 4931
Ion Ratio Lower Upper
129 100
127 60.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 1.724 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

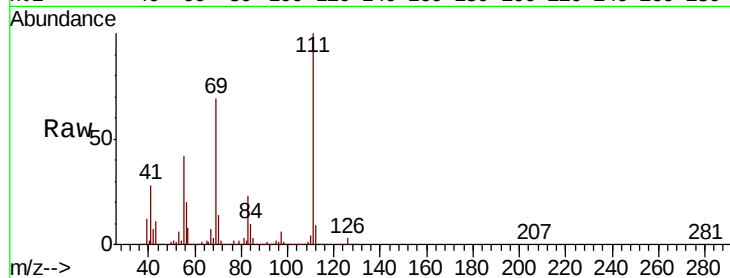
ClientSampled :

Tot Ion: 107 Resp: 2259

Ion Ratio Lower Upper

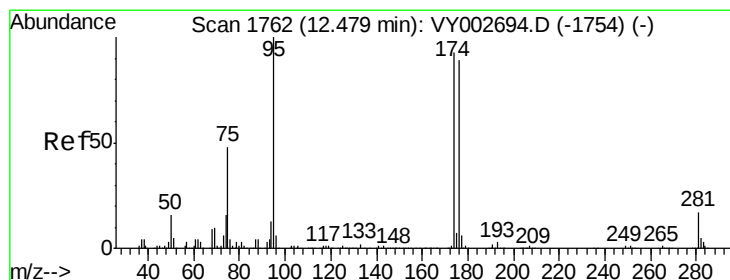
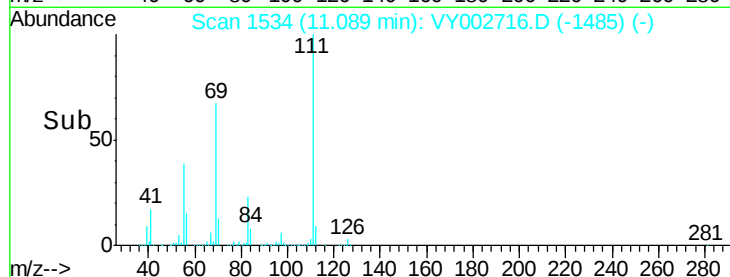
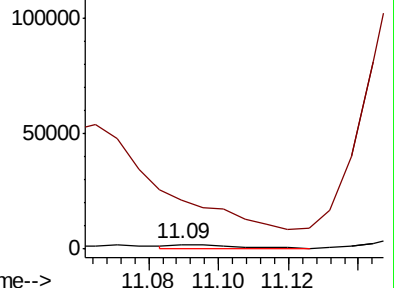
107 100

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: 105.155 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

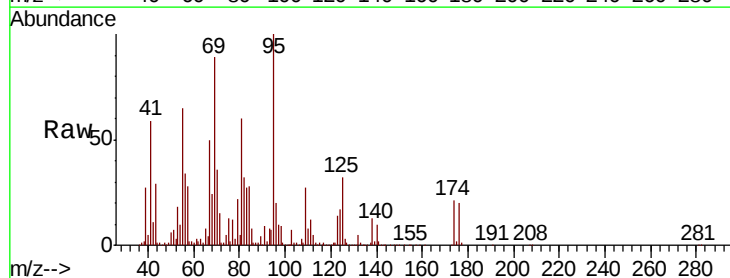
Tgt Ion: 95 Resp: 217811

Ion Ratio Lower Upper

95 100

174 30.4 0.0 191.4

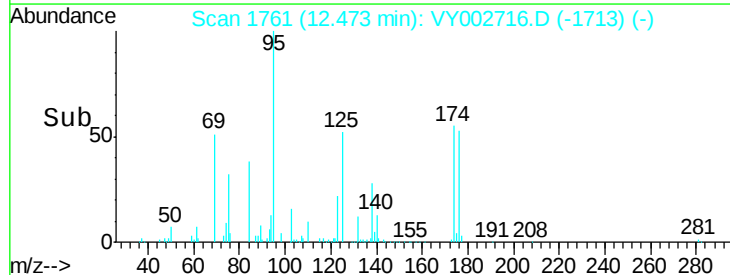
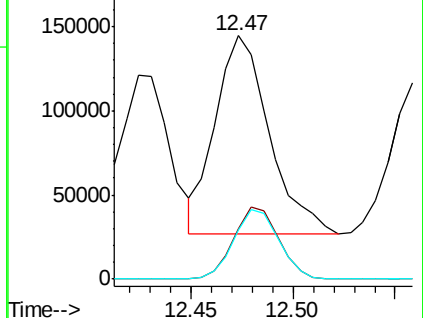
176 29.5 0.0 186.0

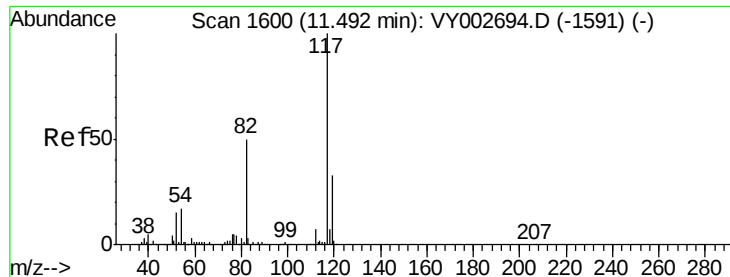


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

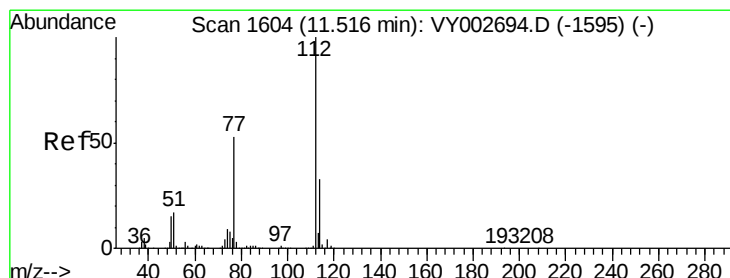
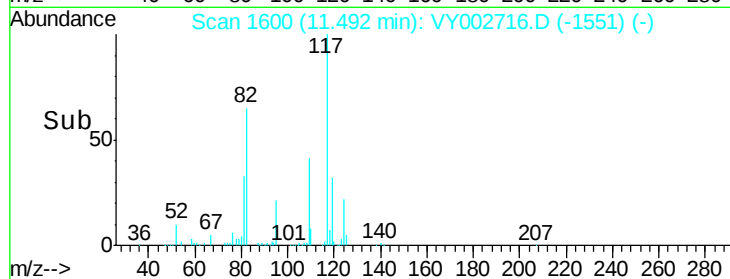
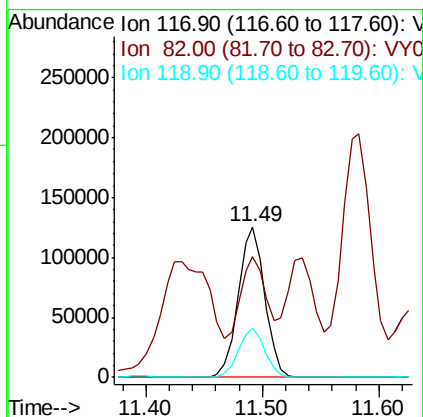
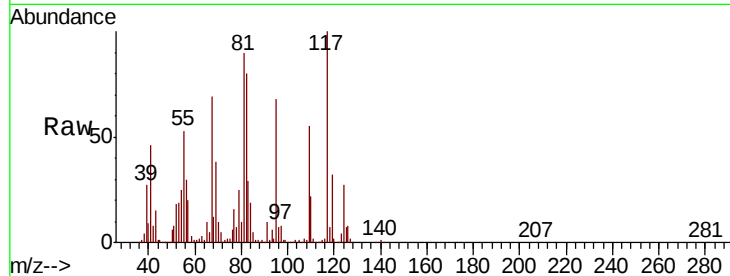




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

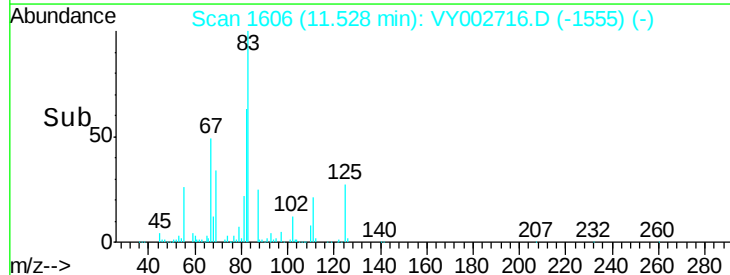
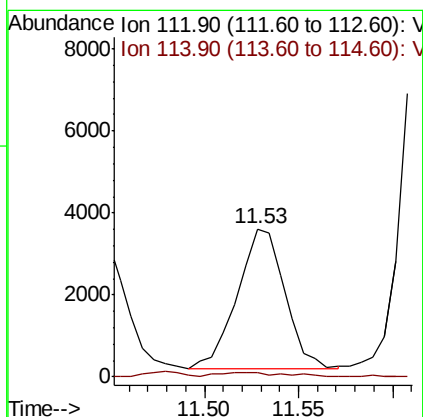
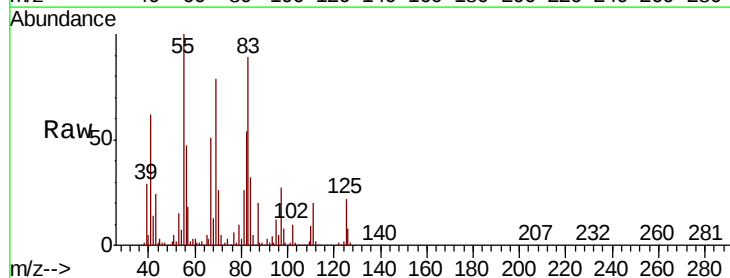
Instrument :
MSVOA_Y
ClientSampled :

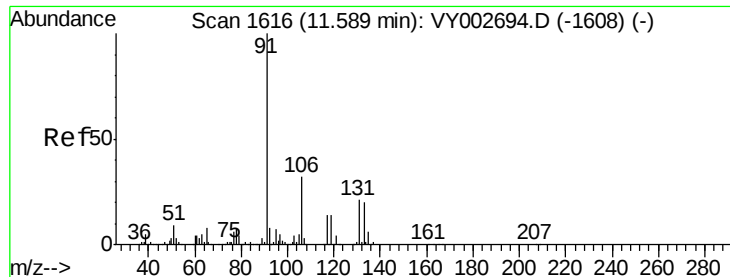
Tot Ion:117 Resp: 197948
Ion Ratio Lower Upper
117 100
82 16.0 40.3 60.5#
119 32.2 26.2 39.4



#65
Chlorobenzene
Concen: 1.572 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

Tgt Ion:112 Resp: 6012
Ion Ratio Lower Upper
112 100
114 2.9 26.1 39.1#





#67

Ethyl Benzene

Concen: 77.068 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

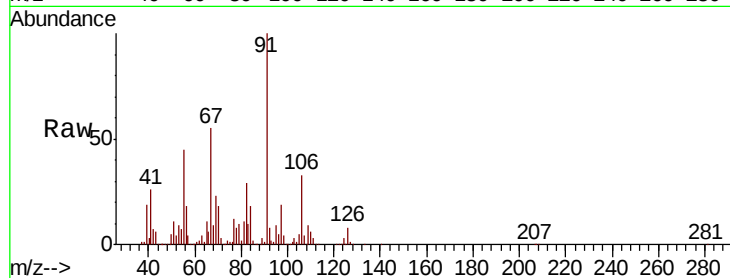
ClientSampleId :

Tot Ion: 91 Resp: 517598

Ion Ratio Lower Upper

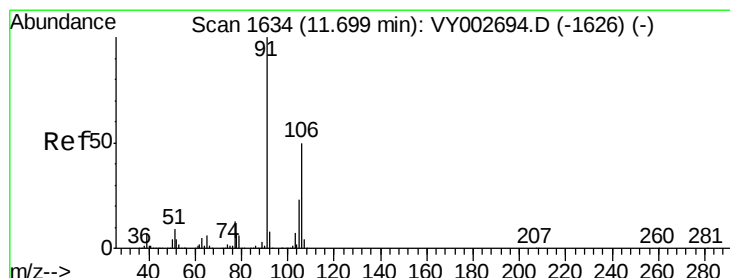
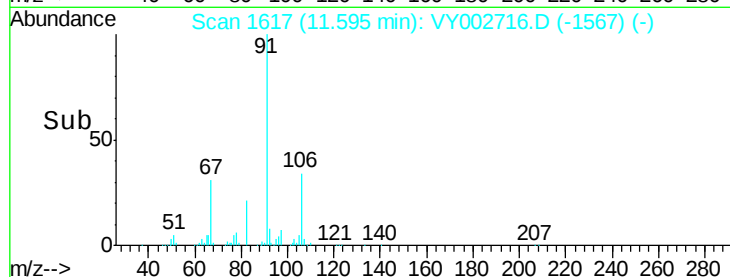
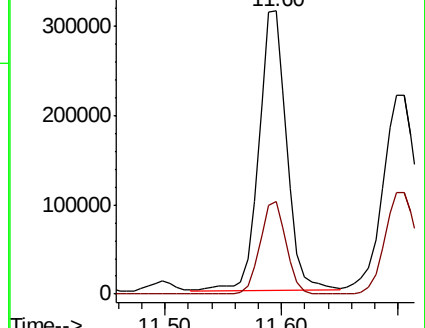
91 100

106 33.3 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VY002716.D (-1567) (-)

Ion 106.00 (105.70 to 106.70): VY002716.D (-1567) (-)



#68

m/p-Xylenes

Concen: 82.303 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002716.D

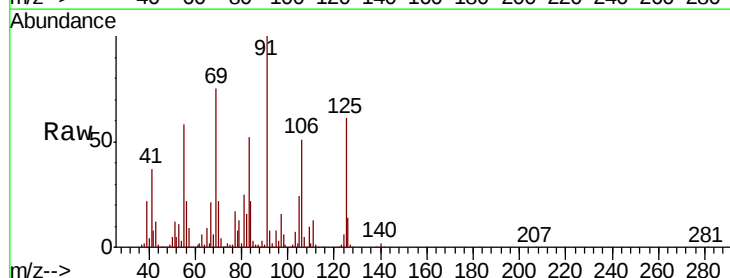
Acq: 19 May 2020 11:56

Tgt Ion: 106 Resp: 215050

Ion Ratio Lower Upper

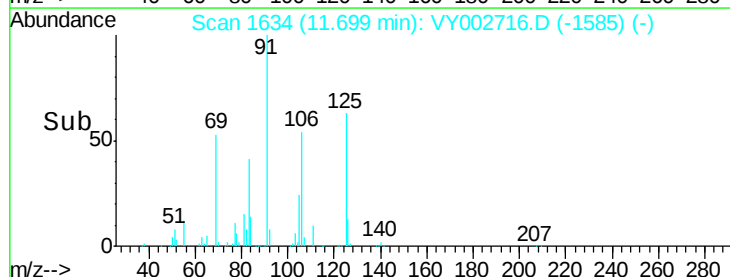
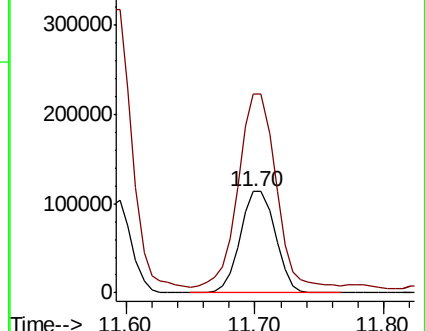
106 100

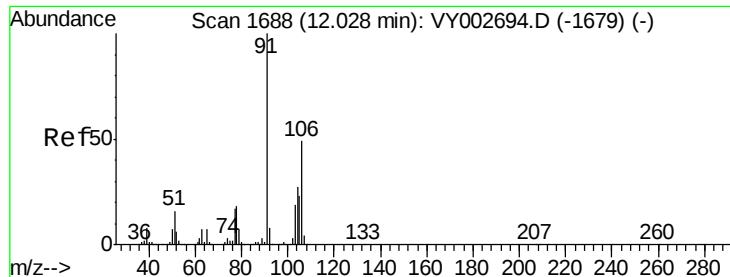
91 204.2 156.2 234.4



Abundance Ion 106.00 (105.70 to 106.70): VY002716.D (-1585) (-)

Ion 91.00 (90.70 to 91.70): VY002716.D (-1585) (-)

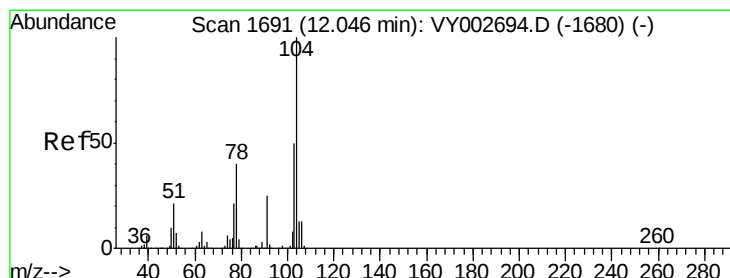
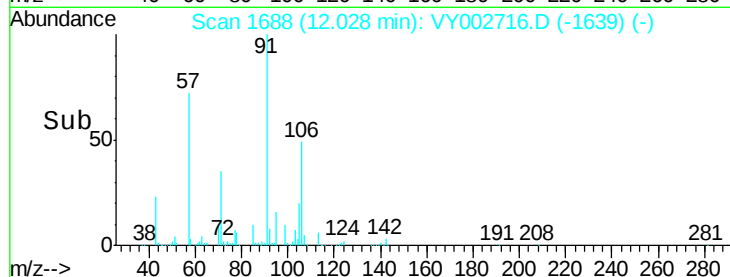
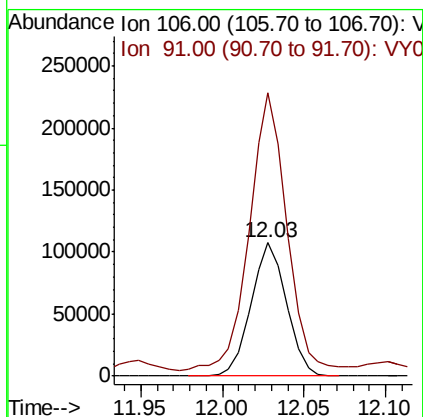
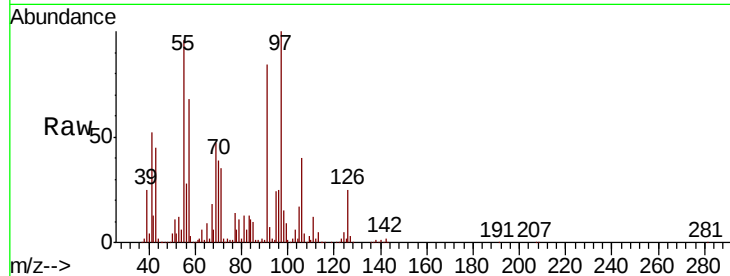




#69
o-Xylene
Concen: 66.179 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

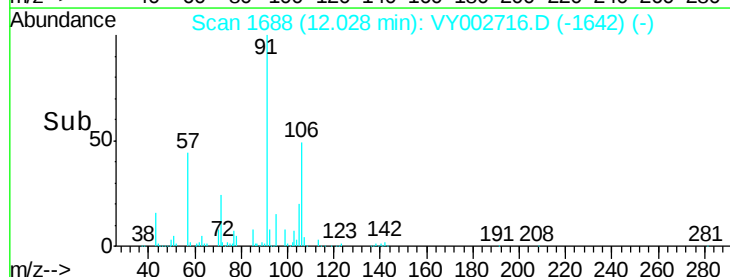
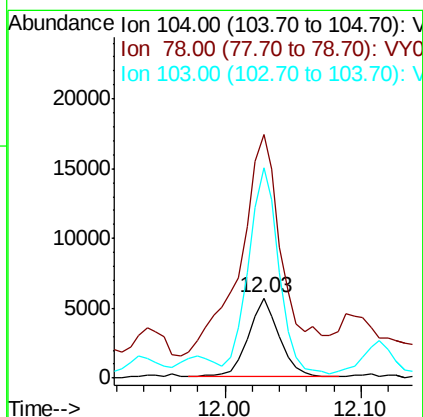
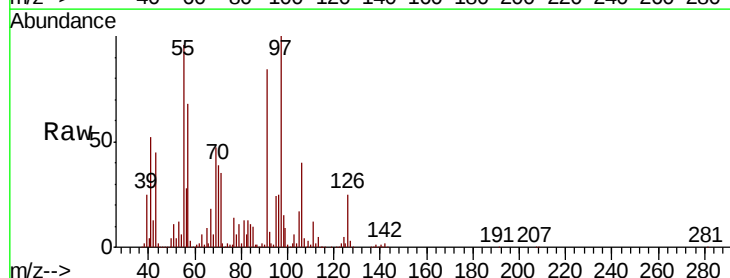
Instrument :
MSVOA_Y
ClientSampled :

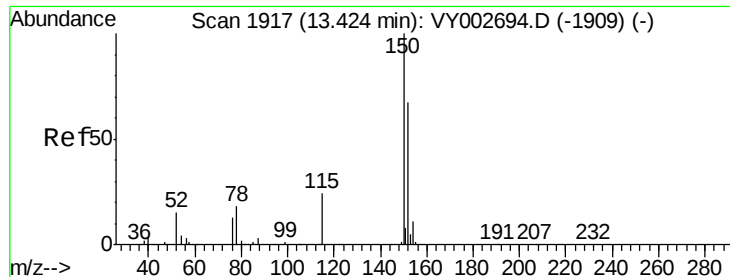
Tot Ion:106 Resp: 162300
Ion Ratio Lower Upper
106 100
91 217.5 103.5 310.3



#70
Styrene
Concen: 2.117 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.02 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

Tgt Ion:104 Resp: 8912
Ion Ratio Lower Upper
104 100
78 386.2 36.6 54.8#
103 260.6 44.1 66.1#



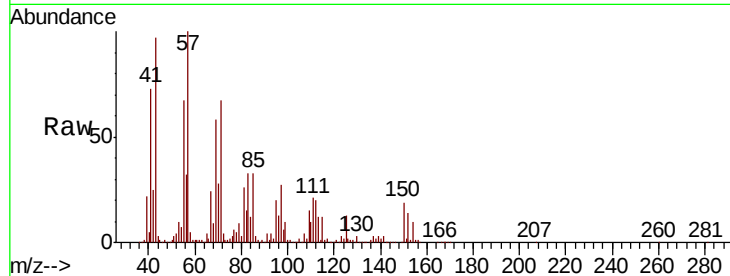


#72

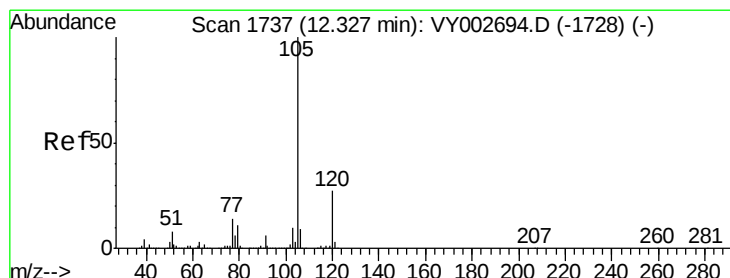
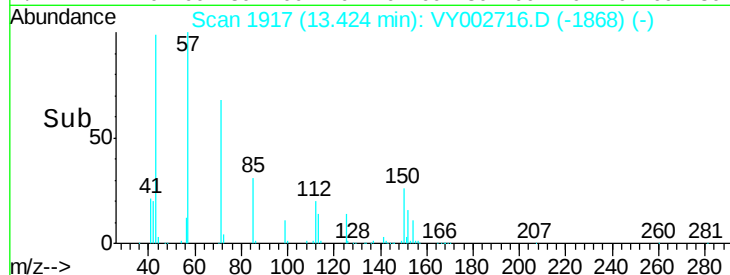
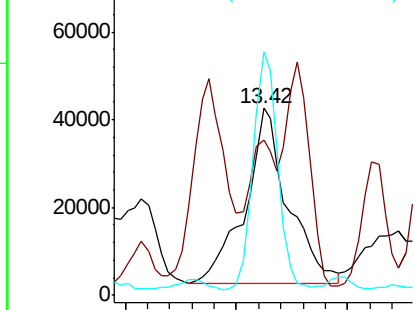
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	44.7	27.2	81.6
150	78.4	0.0	343.8



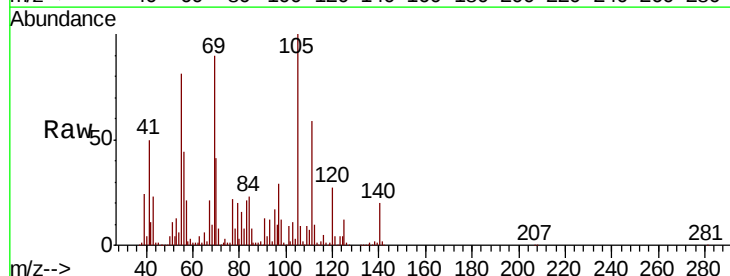
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



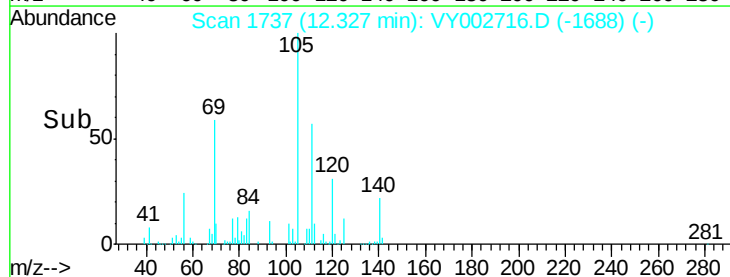
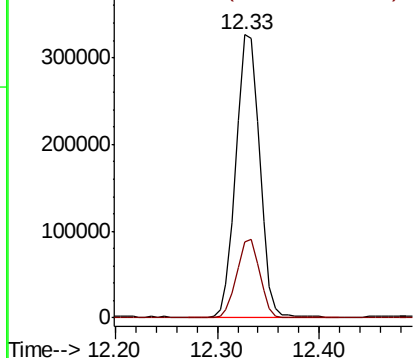
#73

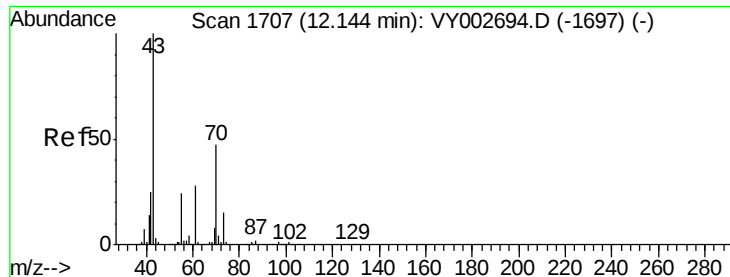
Isopropylbenzene
Concen: 74.505 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.7	41.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 859.818 ug/l

RT: 12.13 min Scan# 1704

Delta R.T. -0.02 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

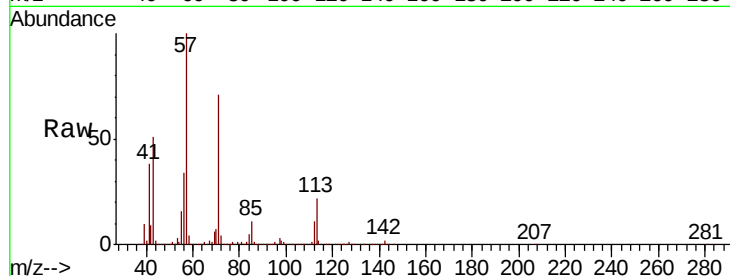
Instrument :

MSVOA_Y

ClientSampled :

Tot Ion: 43 Resp: 1414952

Ion	Ratio	Lower	Upper
43	100		
70	10.7	37.7	56.5#
55	17.3	19.4	29.0#
61	0.1	21.3	31.9#



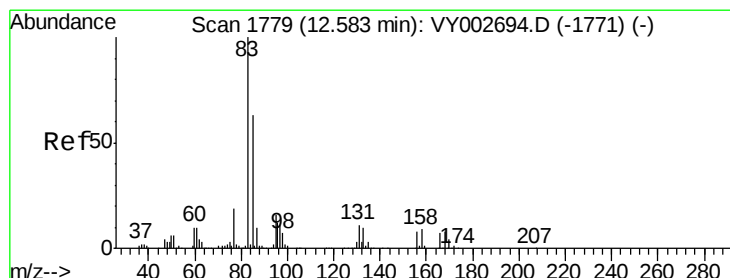
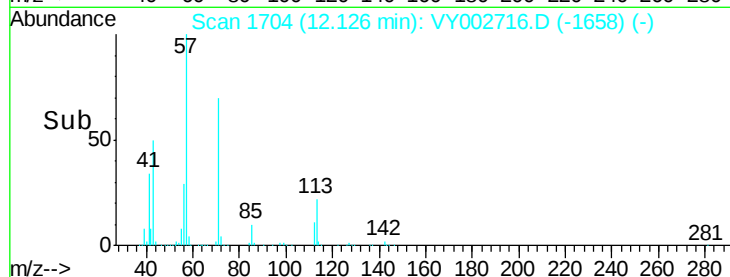
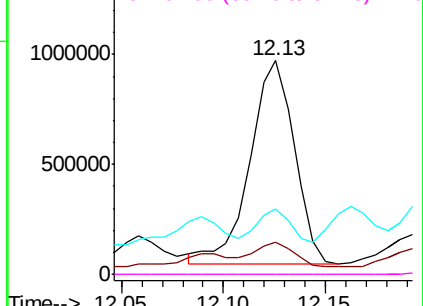
Abundance

Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#75

1,1,2,2-Tetrachloroethane

Concen: 95.206 ug/l

RT: 12.56 min Scan# 1775

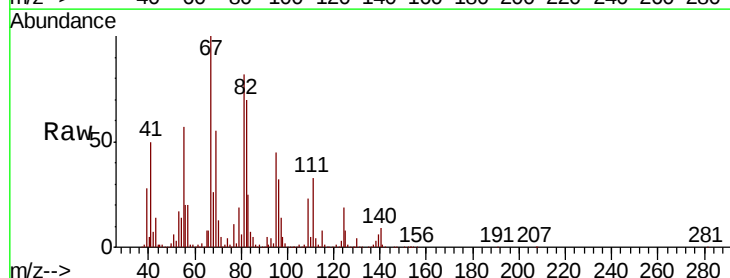
Delta R.T. -0.02 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Tgt Ion: 83 Resp: 98319

Ion	Ratio	Lower	Upper
83	100		
131	1.7	5.8	17.3#
85	49.1	31.9	95.9

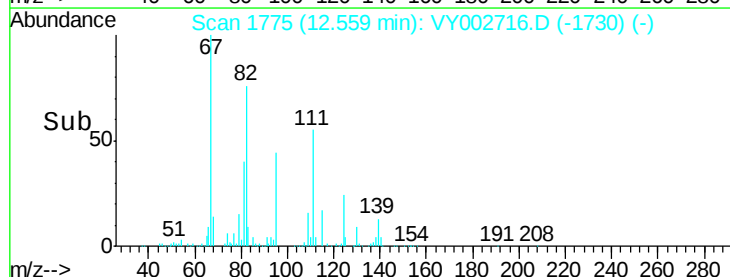
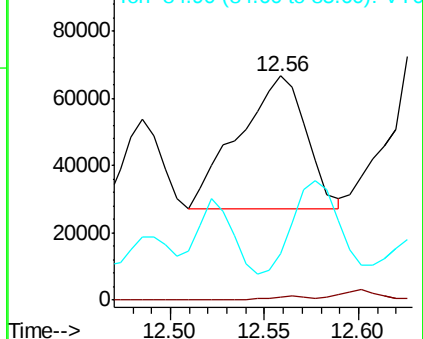


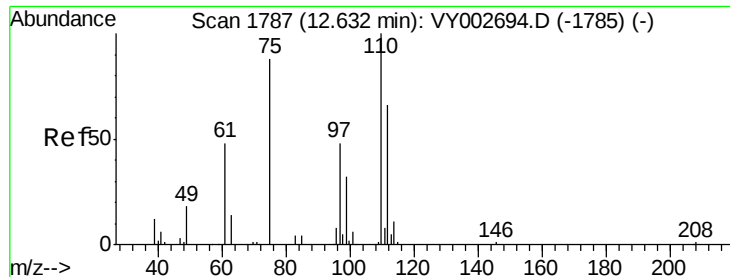
Abundance

Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VY0





#76

1,2,3-Trichloropropane

Concen: 3.579 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. -0.03 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

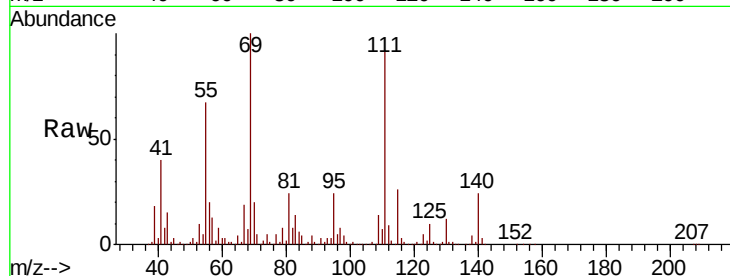
ClientSampleId :

Tot Ion: 75 Resp: 3155

Ion Ratio Lower Upper

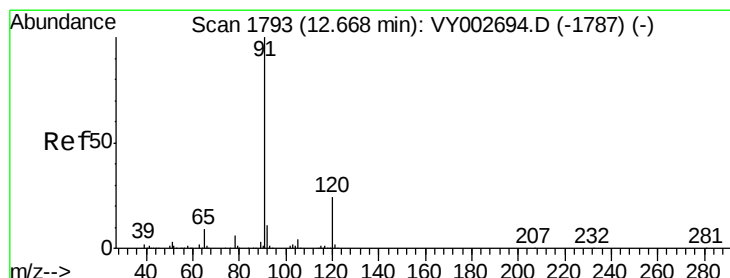
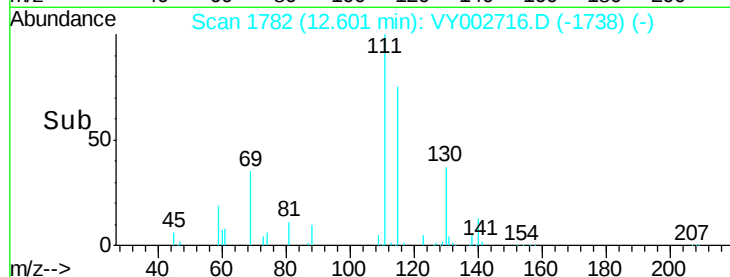
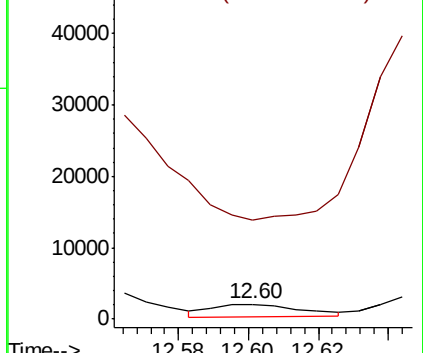
75 100

77 0.0 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: 87.494 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY002716.D

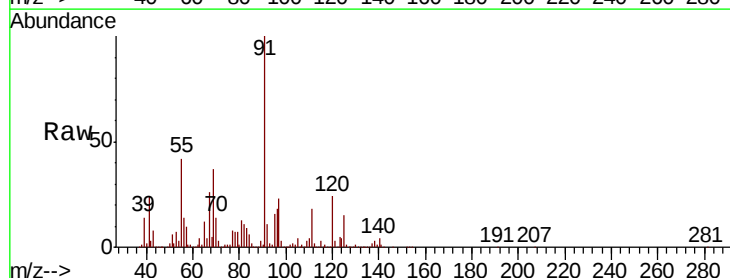
Acq: 19 May 2020 11:56

Tgt Ion: 91 Resp: 713789

Ion Ratio Lower Upper

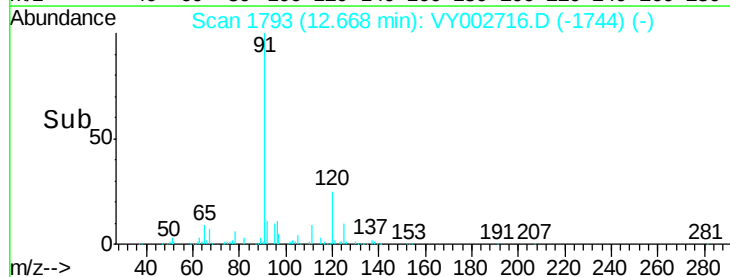
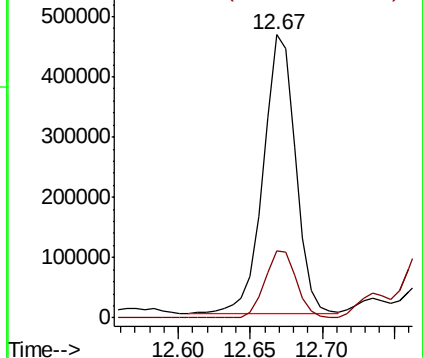
91 100

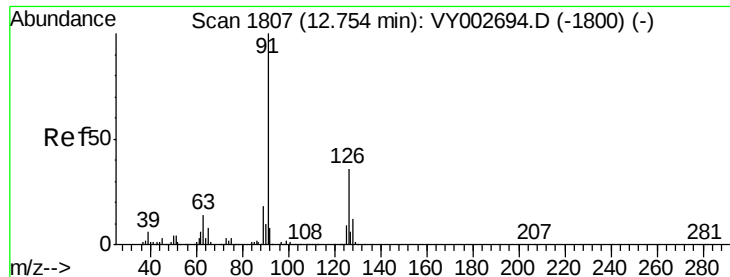
120 23.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

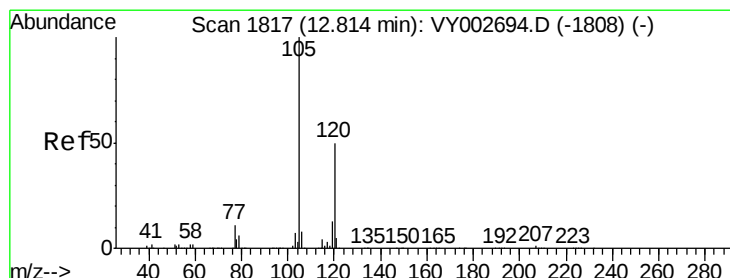
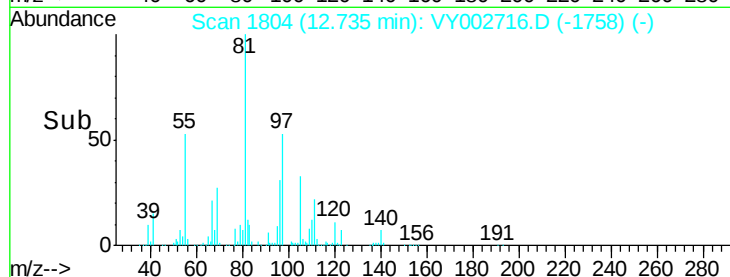
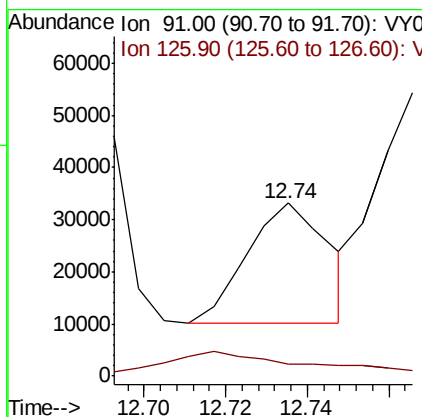
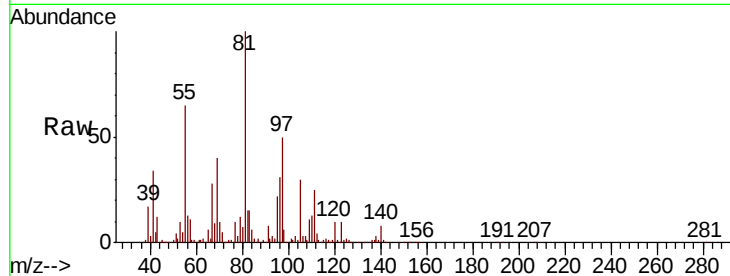




#79
 2-Chlorotoluene
 Concen: 7.069 ug/l
 RT: 12.74 min Scan# 1804
 Delta R.T. -0.02 min
 Lab File: VY002716.D
 Acq: 19 May 2020 11:56

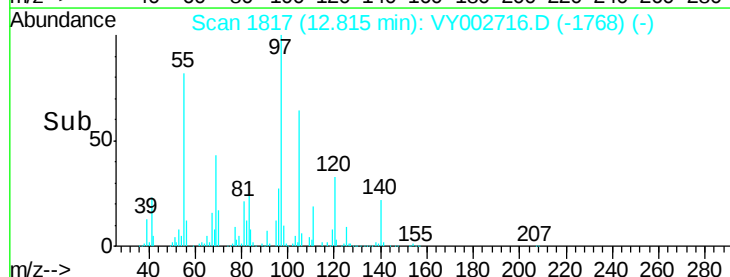
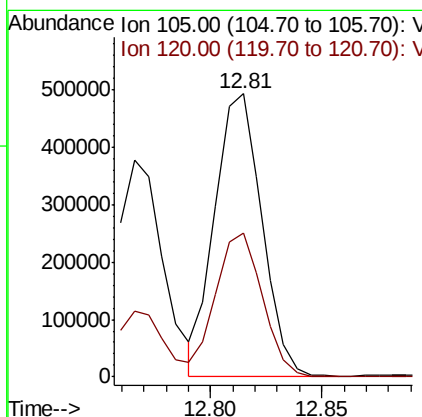
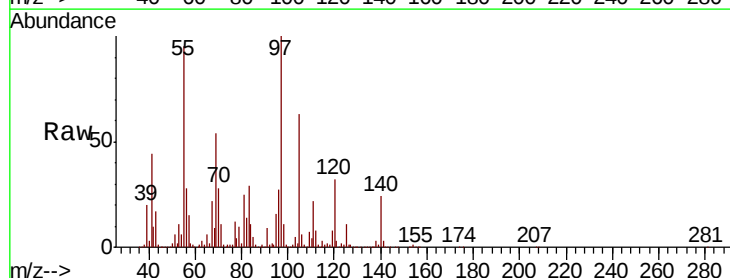
Instrument :
 MSVOA_Y
 ClientSampleId :

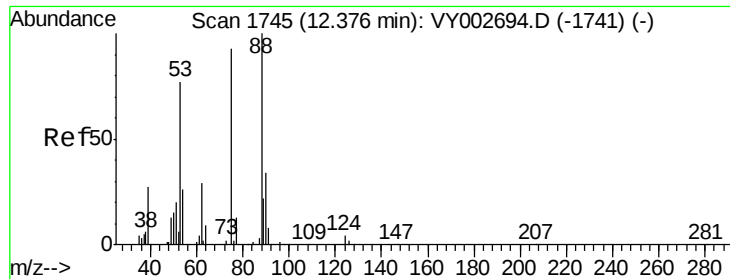
Tot Ion: 91 Resp: 31984
 Ion Ratio Lower Upper
 91 100
 126 25.5 18.4 55.0



#80
 1,3,5-Trimethylbenzene
 Concen: 122.414 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. 0.00 min
 Lab File: VY002716.D
 Acq: 19 May 2020 11:56

Tgt Ion: 105 Resp: 721339
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 3.333 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

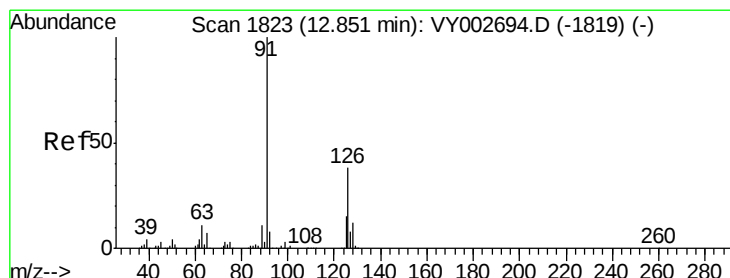
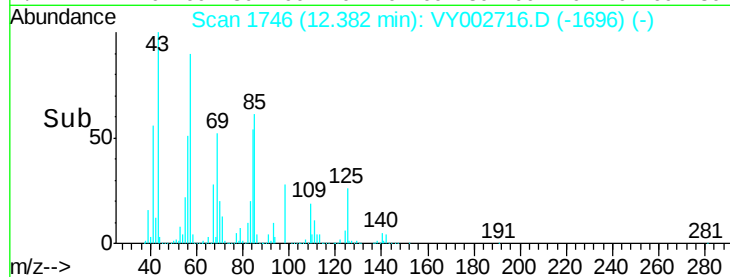
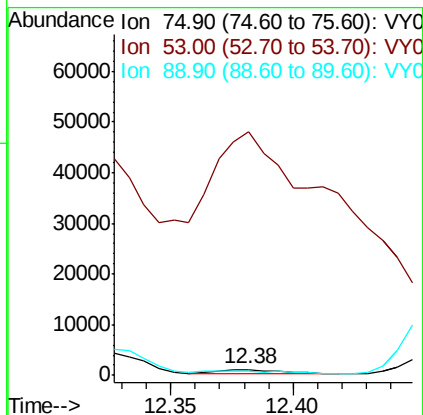
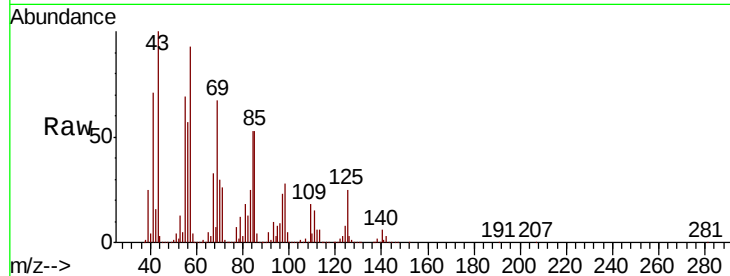
Tot Ion: 75 Resp: 1554

Ion Ratio Lower Upper

75 100

53 7026.1 65.0 97.6#

89 84.9 66.6 99.8



#82

4-Chlorotoluene

Concen: 21.432 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.04 min

Lab File: VY002716.D

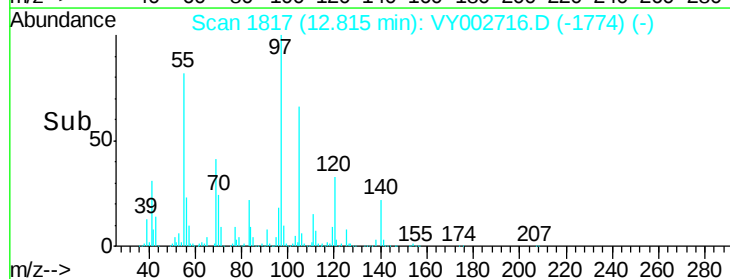
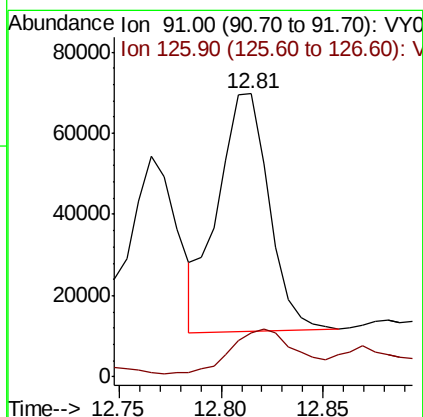
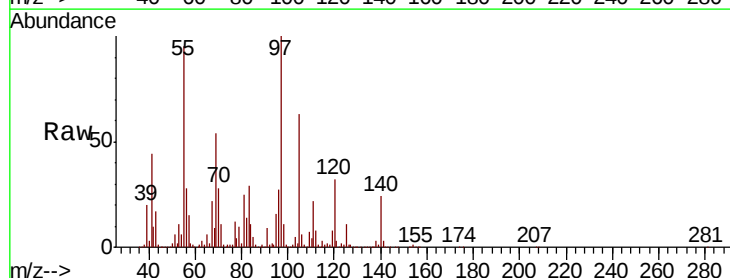
Acq: 19 May 2020 11:56

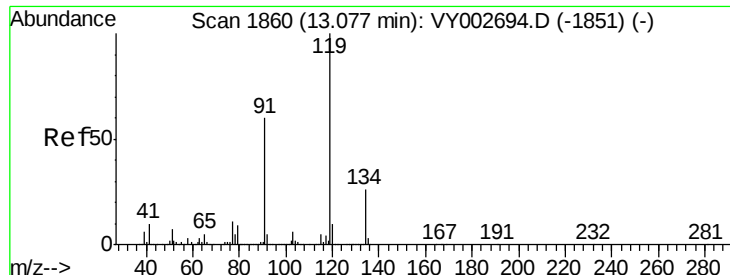
Tgt Ion: 91 Resp: 101581

Ion Ratio Lower Upper

91 100

126 23.8 18.6 56.0





#83

tert-Butylbenzene

Concen: 31.066 ug/l

RT: 13.31 min Scan# 1899

Delta R.T. 0.24 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

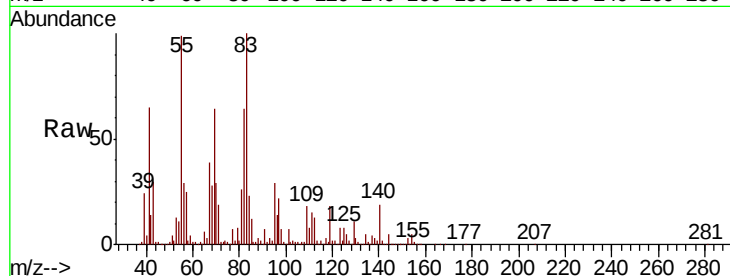
Tot Ion:119 Resp: 162010

Ion Ratio Lower Upper

119 100

91 39.7 30.4 91.2

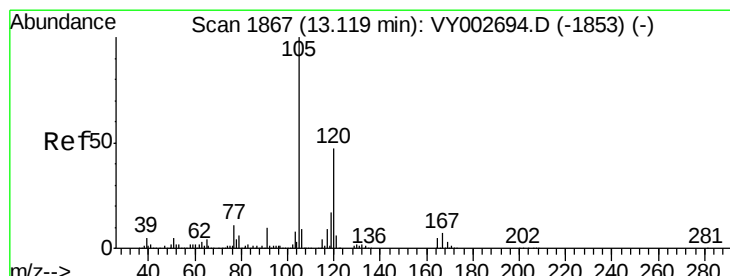
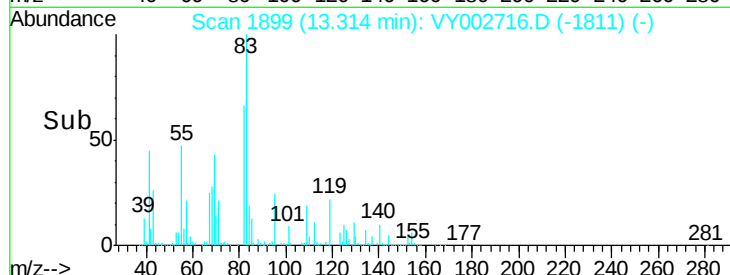
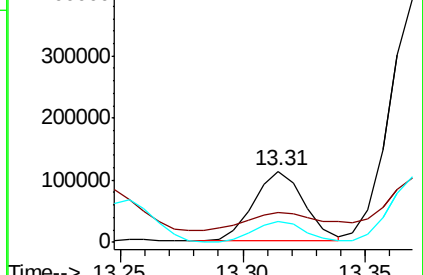
134 28.1 13.4 40.2



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: 333.982 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY002716.D

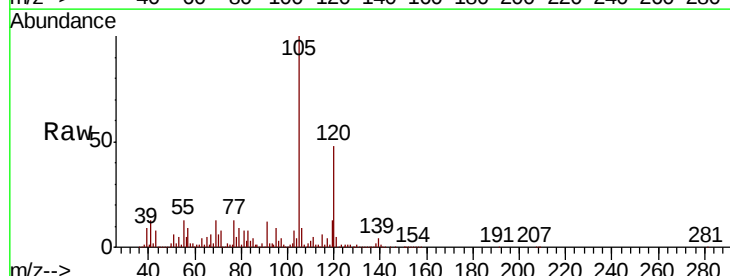
Acq: 19 May 2020 11:56

Tgt Ion:105 Resp: 1966837

Ion Ratio Lower Upper

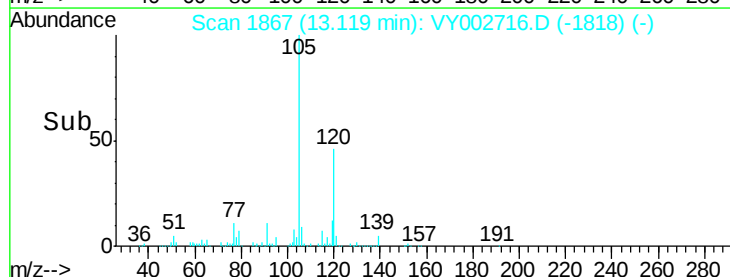
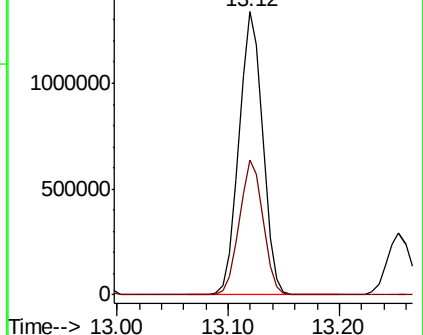
105 100

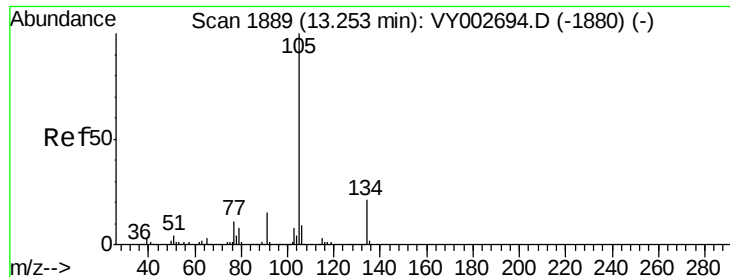
120 47.5 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 59.134 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

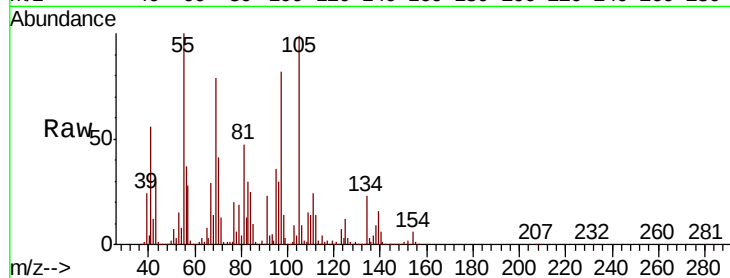
ClientSampleId :

Tot Ion:105 Resp: 425542

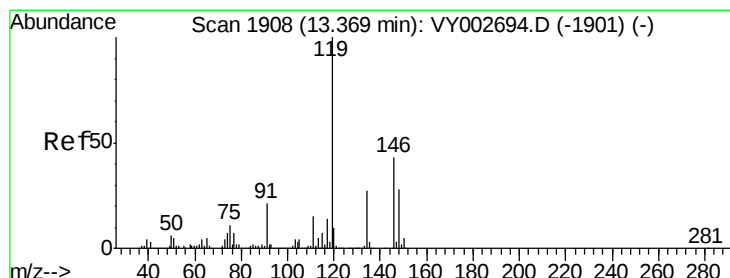
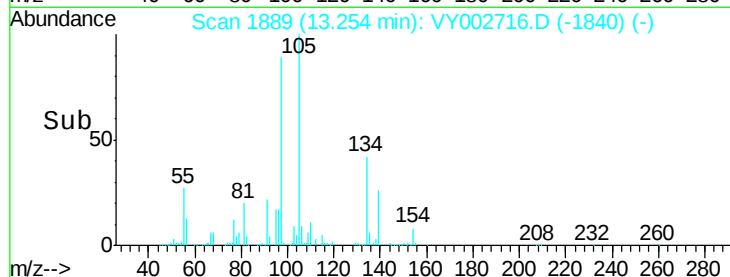
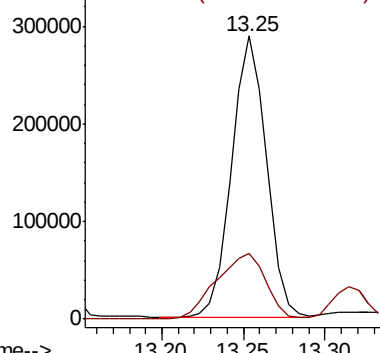
Ion Ratio Lower Upper

105 100

134 33.4 10.8 32.3#



Abundance Ion 105.00 (104.70 to 105.70): V



#86

p-Isopropyltoluene

Concen: 84.205 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

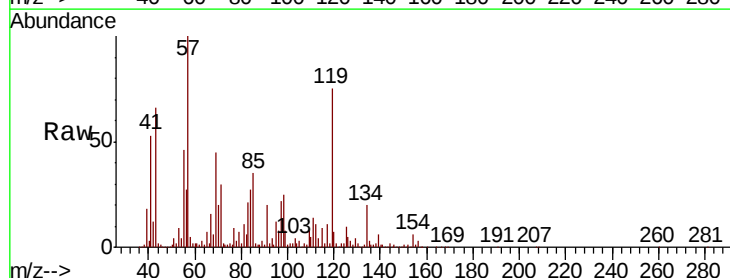
Tgt Ion:119 Resp: 567201

Ion Ratio Lower Upper

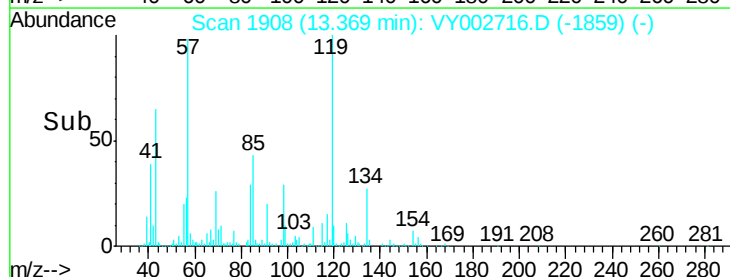
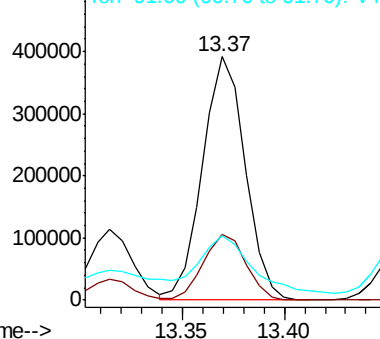
119 100

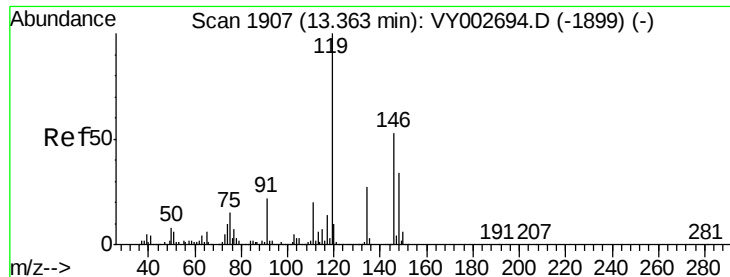
134 27.2 13.5 40.5

91 27.7 10.8 32.3



Abundance Ion 119.00 (118.70 to 119.70): V





#87

1,3-Dichlorobenzene

Concen: 1.410 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

ClientSampled :

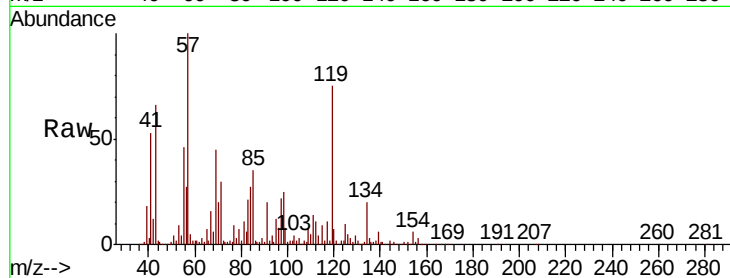
Tot Ion:146 Resp: 4767

Ion Ratio Lower Upper

146 100

111 3797.9 18.5 55.5#

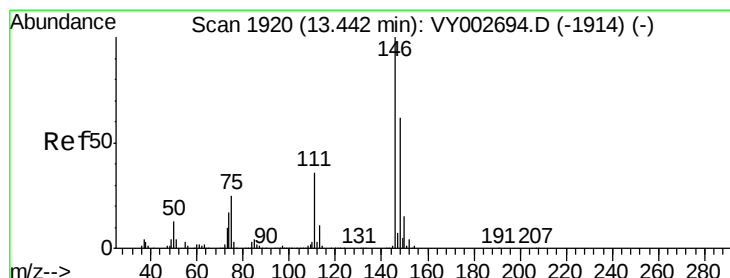
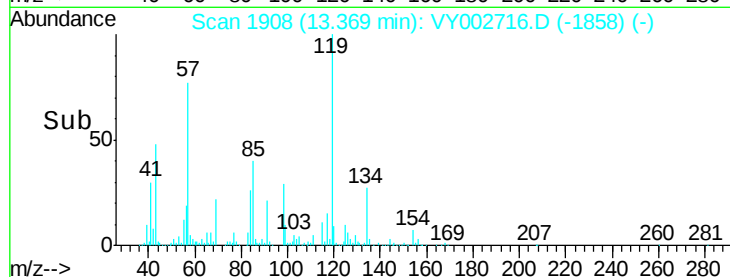
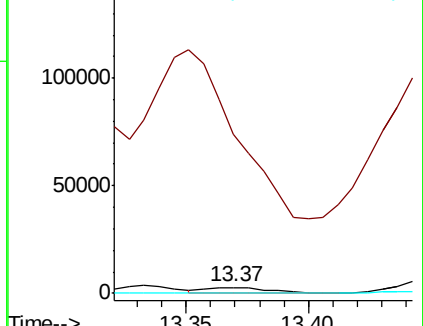
148 18.7 32.1 96.5#



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



#88

1,4-Dichlorobenzene

Concen: 2.696 ug/l

RT: 13.45 min Scan# 1921

Delta R.T. 0.01 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

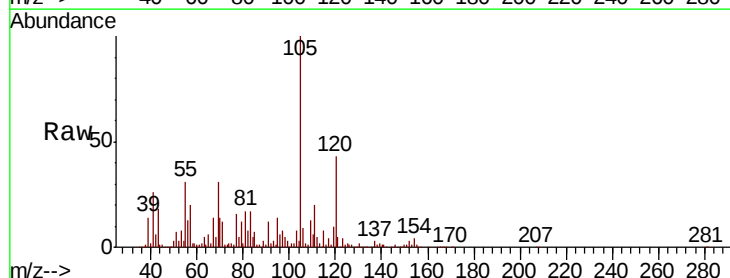
Tgt Ion:146 Resp: 9072

Ion Ratio Lower Upper

146 100

111 1885.1 18.1 54.4#

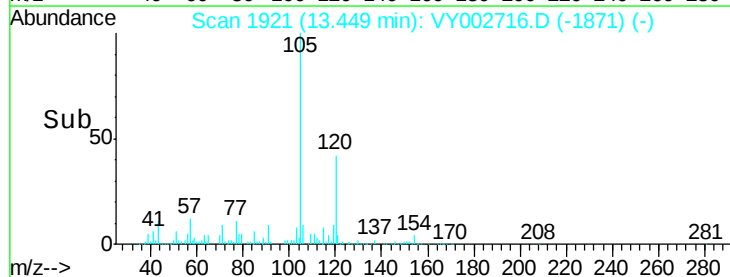
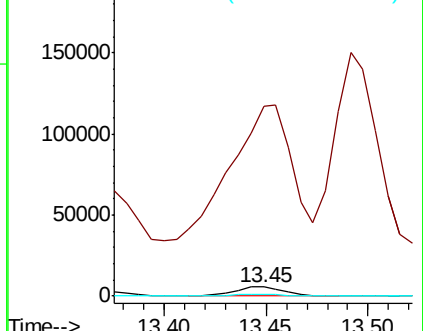
148 20.1 31.8 95.3#

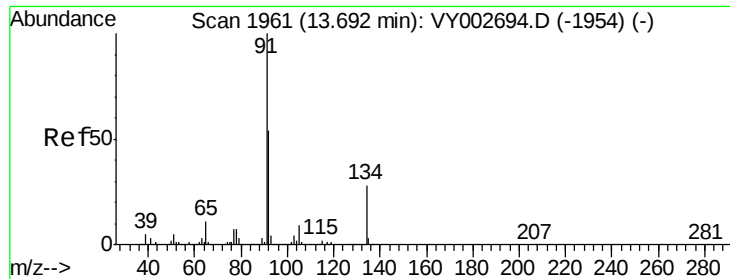


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

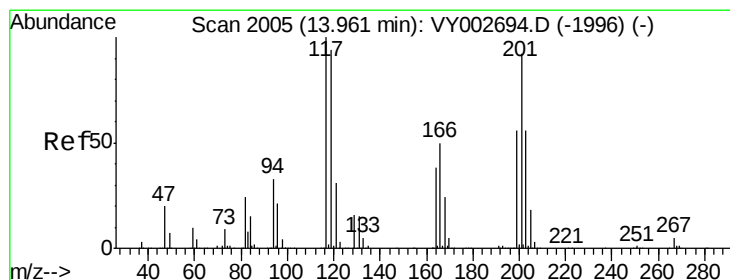
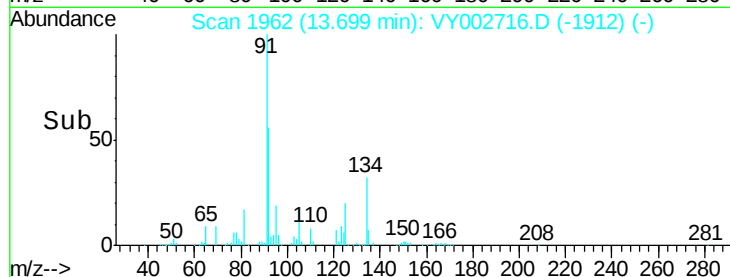
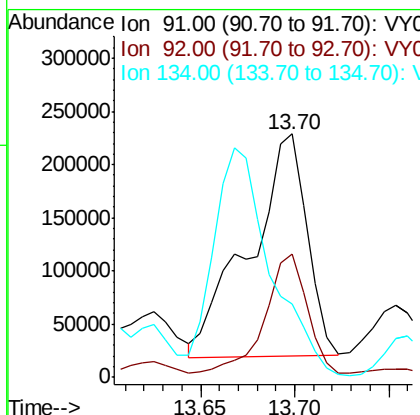
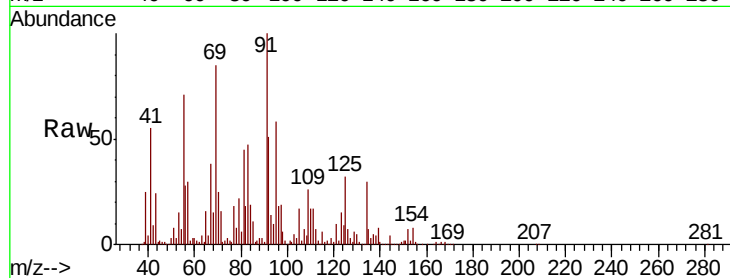




#89
n-Butylbenzene
Concen: 71.639 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

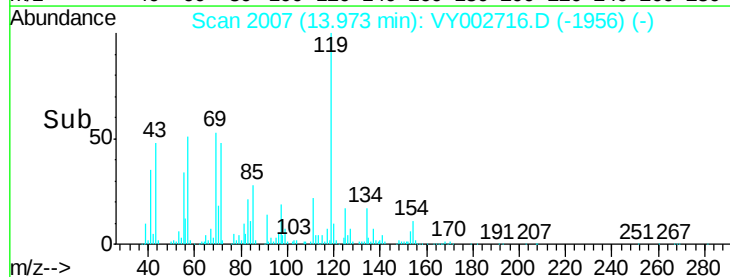
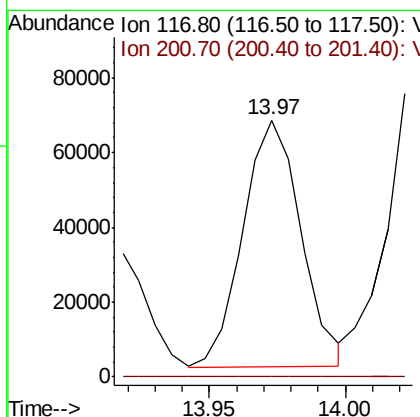
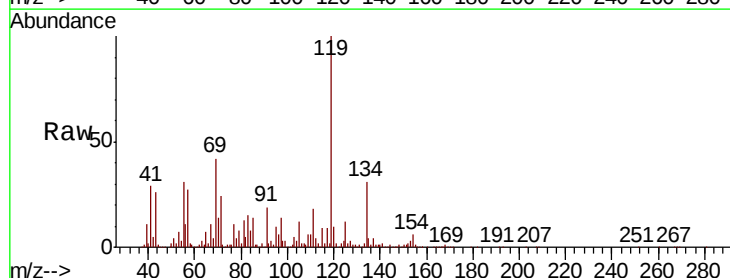
Instrument :
MSVOA_Y
ClientSampled :

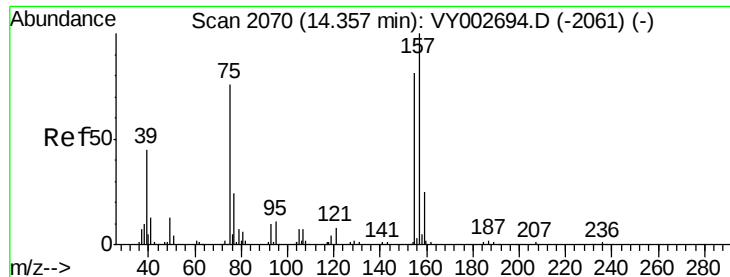
Tot Ion: 91 Resp: 443148
Ion Ratio Lower Upper
91 100
92 40.6 26.8 80.4
134 0.0 14.5 43.5#



#90
Hexachloroethane
Concen: 78.329 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002716.D
Acq: 19 May 2020 11:56

Tgt Ion: 117 Resp: 97725
Ion Ratio Lower Upper
117 100
201 0.1 44.9 134.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 29.151 ug/l

RT: 14.34 min Scan# 2067

Delta R.T. -0.02 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

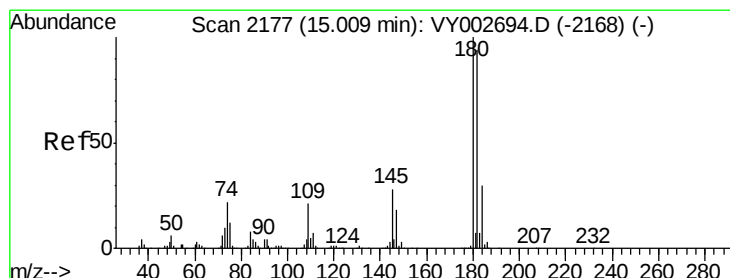
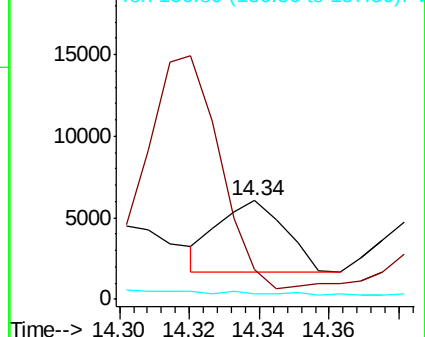
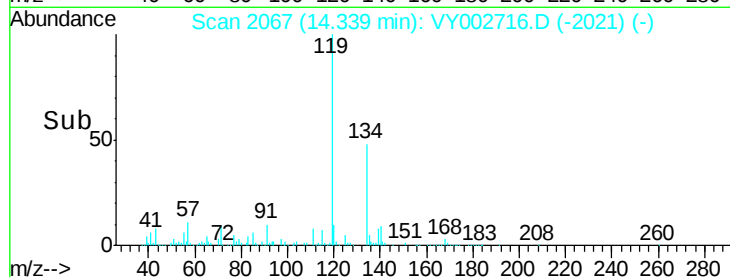
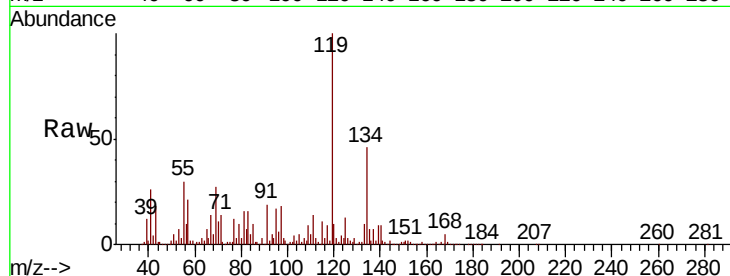
Tot Ion: 75 Resp: 5773

Ion Ratio Lower Upper

75 100

155 350.3 53.5 160.7#

157 0.0 67.9 203.7#



#93

1,2,4-Trichlorobenzene

Concen: 1.319 ug/l

RT: 15.00 min Scan# 2176

Delta R.T. -0.01 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

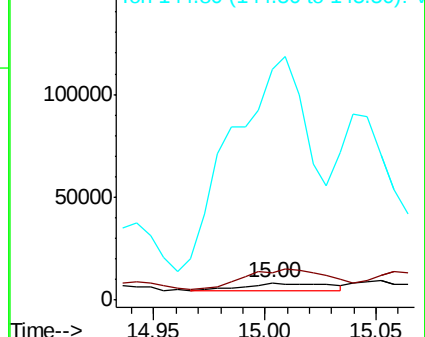
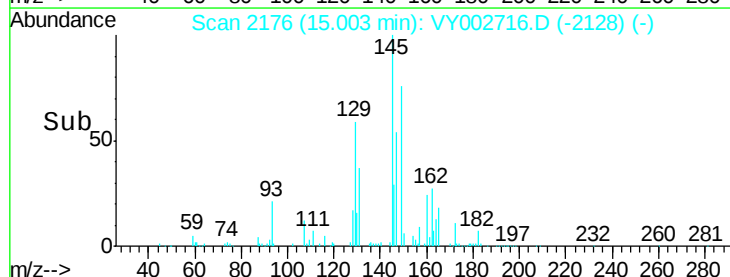
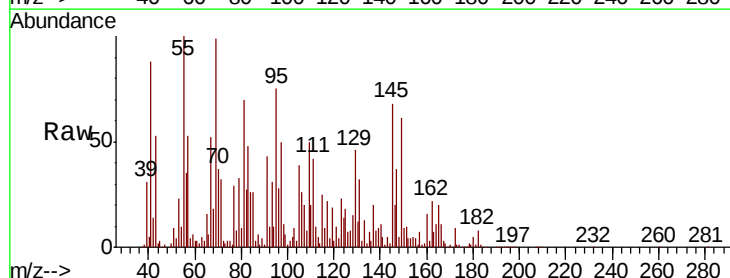
Tgt Ion: 180 Resp: 9686

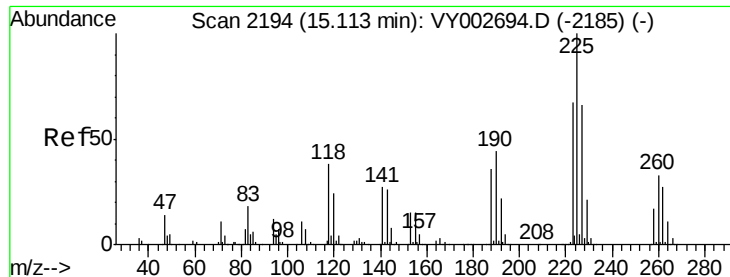
Ion Ratio Lower Upper

180 100

182 262.6 47.3 142.0#

145 3128.1 14.1 42.2#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.11 min Scan# 2193

Delta R.T. -0.01 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

Instrument :

MSVOA_Y

ClientSampled :

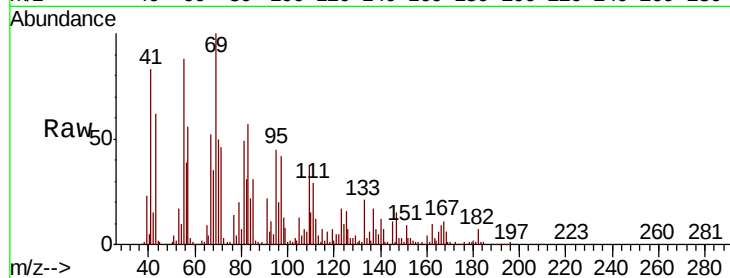
Tot Ion:225 Resp: 578

Ion Ratio Lower Upper

225 100

223 64.7 31.6 94.8

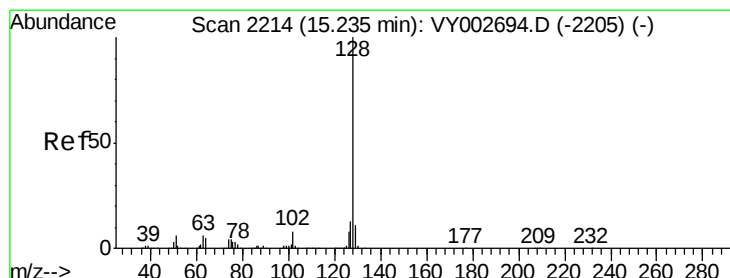
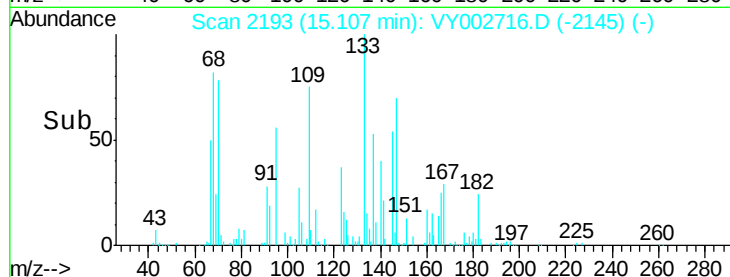
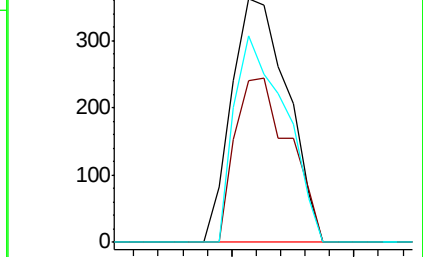
227 77.3 32.2 96.6



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: 136.109 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002716.D

Acq: 19 May 2020 11:56

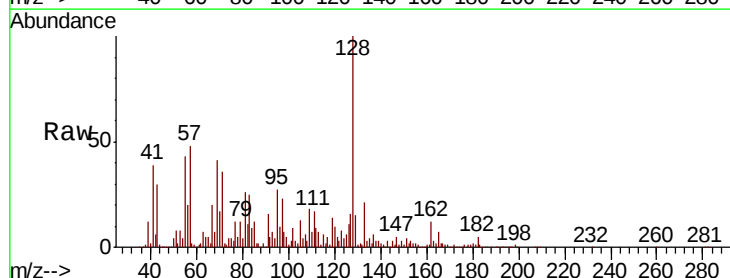
Tgt Ion:128 Resp: 568302

Ion Ratio Lower Upper

128 100

127 18.3 10.3 15.5#

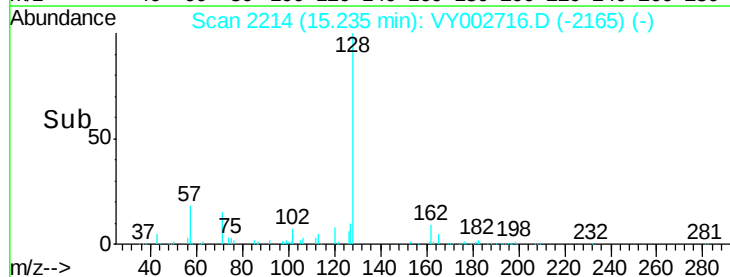
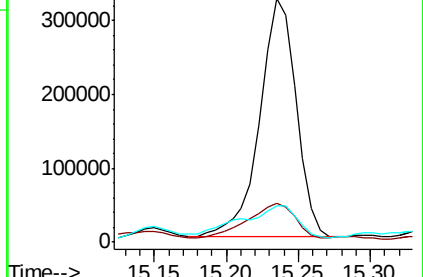
129 21.3 8.7 13.1#

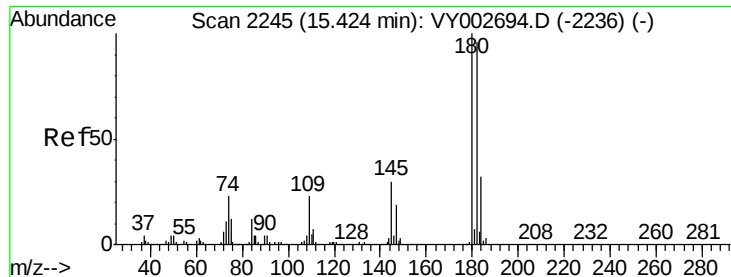


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 6.887 ug/l
 RT: 15.45 min Scan# 2249
 Delta R.T. 0.03 min
 Lab File: VY002716.D
 Acq: 19 May 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.6	142.9#
145	0.0	15.1	45.3#

