

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001721.D
 Acq On : 20 Feb 2020 14:05
 Operator : SY/MD
 Sample : L1601-04
 Misc : 3.81G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 08:04:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	125753	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	267430	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	258289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	115973	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	105192	77.77	ug/l	0.00
Spiked Amount			Recovery	=	155.54%	
35) Dibromofluoromethane	7.75	113	89917	58.70	ug/l	0.00
Spiked Amount			Recovery	=	117.40%	
50) Toluene-d8	10.21	98	441294	73.54	ug/l	0.01
Spiked Amount			Recovery	=	147.08%	
62) 4-Bromofluorobenzene	12.50	95	162133	69.55	ug/l	0.00
Spiked Amount			Recovery	=	139.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.94	64	3879	3.785	ug/l #	1
11) Tert butyl alcohol	4.98	59	896	Below Cal	#	74
13) Acrolein	3.73	56	229327	1678.680	ug/l #	1
14) Allyl chloride	4.62	41	685482	282.286	ug/l #	70
15) Acrylonitrile	5.30	53	494623	1150.077	ug/l #	39
16) Acetone	3.98	43	2472803	5283.377	ug/l #	50
18) Methyl Acetate	4.61	43	434764	426.549	ug/l #	52
19) Methyl tert-butyl Ether	5.29	73	5709	1.503	ug/l #	1
20) Methylene Chloride	4.63	84	238037	143.183	ug/l #	13
23) Vinyl Acetate	6.08	43	369068	113.459	ug/l #	73
24) 1,1-Dichloroethane	6.08	63	29388	11.026	ug/l #	83
25) 2-Butanone	7.02	43	259423	408.022	ug/l #	51
26) 2,2-Dichloropropane	6.92	77	4316	1.861	ug/l #	52
28) Bromochloromethane	7.57	49	27768	25.010	ug/l #	17
29) Tetrahydrofuran	7.39	42	20516	53.386	ug/l #	34
30) Chloroform	7.51	83	634912	243.792	ug/l #	19
31) Cyclohexane	7.82	56	4191064	1474.794	ug/l #	57
32) 1,1,1-Trichloroethane	7.66	97	2834	1.295	ug/l #	1
37) Ethyl Acetate	7.02	43	259423	170.153	ug/l #	71
38) Carbon Tetrachloride	7.83	117	14291	6.369	ug/l #	18
39) Methylcyclohexane	9.21	83	3058459	902.483	ug/l #	79
40) Benzene	8.19	78	532707	70.906	ug/l #	99
41) Methacrylonitrile	7.40	41	185416	242.204	ug/l #	89
42) 1,2-Dichloroethane	8.32	62	13739	6.713	ug/l #	1
43) Isopropyl Acetate	8.31	43	1579767	546.102	ug/l #	53
45) 1,2-Dichloropropane	9.28	63	14994	7.969	ug/l #	1
46) Dibromomethane	9.36	93	1502	1.526	ug/l #	1
47) Bromodichloromethane	9.51	83	385286	162.218	ug/l #	26
48) Methyl methacrylate	9.36	41	831326	635.426	ug/l #	27
49) 1,4-Dioxane	9.28	88	30	2.158	ug/l #	1
51) 4-Methyl-2-Pentanone	10.14	43	1416213	952.851	ug/l #	78
52) Toluene	10.27	92	13224634	2821.976	ug/l #	84
53) t-1,3-Dichloropropene	10.28	75	201289	76.661	ug/l #	1
54) cis-1,3-Dichloropropene	9.74	75	3876	1.283	ug/l #	1

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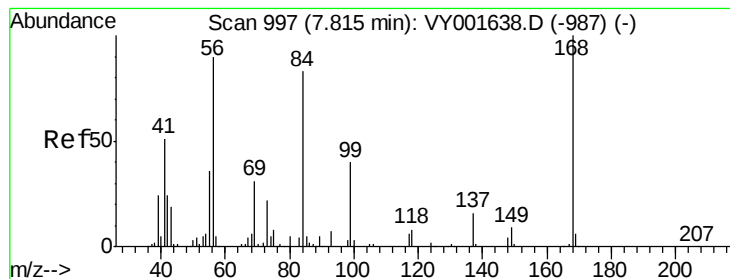
Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 08:04:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
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 Response via : Initial Calibration

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

55) 1,1,2-Trichloroethane	10.64	97	757902	522.296	ug/l #	31
56) Ethyl methacrylate	10.51	69	65507	30.092	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.78	63	44147	37.687	ug/l #	48
59) 2-Hexanone	10.83	43	767455	688.185	ug/l #	28
60) Dibromochloromethane	10.92	129	5764	3.603	ug/l	59
61) 1,2-Dibromoethane	11.08	107	2338	1.704	ug/l #	1
65) Chlorobenzene	11.41	112	13994	2.714	ug/l #	60
67) Ethyl Benzene	11.61	91	23758012	2482.646	ug/l #	62
68) m/p-Xylenes	11.74	106	24351696	6812.248	ug/l #	1
69) o-Xylene	12.06	106	13357042	3930.342	ug/l	70
70) Styrene	12.05	104	709735	120.167	ug/l #	1
73) Isopropylbenzene	12.34	105	5689944	644.018	ug/l	100
74) N-amyl acetate	12.14	43	302334	107.224	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.55	83	24670	13.077	ug/l #	1
76) 1,2,3-Trichloropropane	12.69	75	117496	88.319	ug/l #	100
78) n-propylbenzene	12.69	91	15041613	1397.880	ug/l	95
79) 2-Chlorotoluene	12.76	91	6014809	996.641	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.83	105	12215606	1670.280	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.34	75	69395	98.961	ug/l #	62
82) 4-Chlorotoluene	12.83	91	1683074	264.420	ug/l #	42
83) tert-Butylbenzene	13.14	119	4368659	714.213	ug/l #	63
84) 1,2,4-Trimethylbenzene	12.99	105	13520474	1854.343	ug/l	81
85) sec-Butylbenzene	13.27	105	1692152	188.098	ug/l #	55
86) p-Isopropyltoluene	13.38	119	674301	86.280	ug/l	98
89) n-Butylbenzene	13.71	91	2119692	265.436	ug/l #	76
90) Hexachloroethane	13.98	117	749965	509.327	ug/l #	18
92) 1,2-Dibromo-3-Chloropropan	14.39	75	7011	22.519	ug/l #	5
95) Naphthalene	15.25	128	7560989	1443.569	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 1000

Delta R.T. 0.02 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

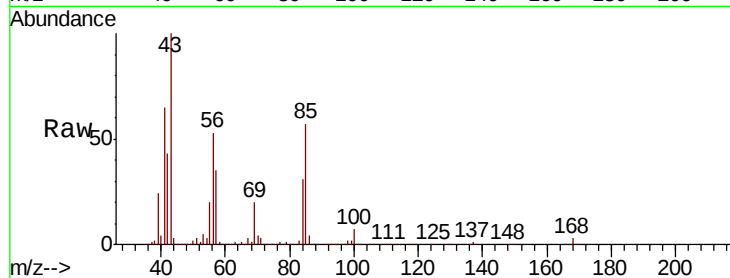
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Tot Ion:168 Resp: 125753

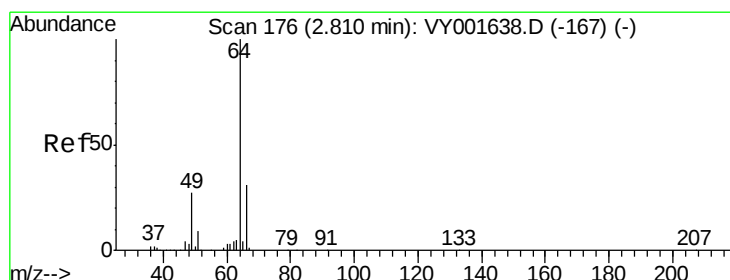
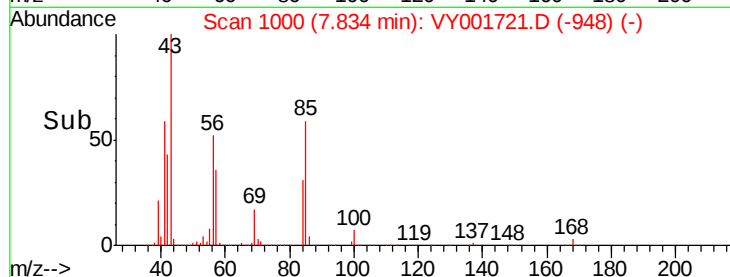
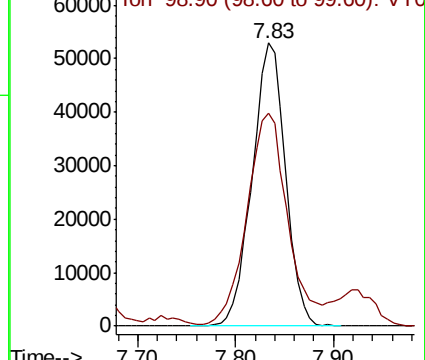
Ion Ratio Lower Upper

168 100

99 74.1 47.5 71.3#



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)



#6

Chloroethane

Concen: 3.785 ug/l

RT: 2.94 min Scan# 197

Delta R.T. 0.13 min

Lab File: VY001721.D

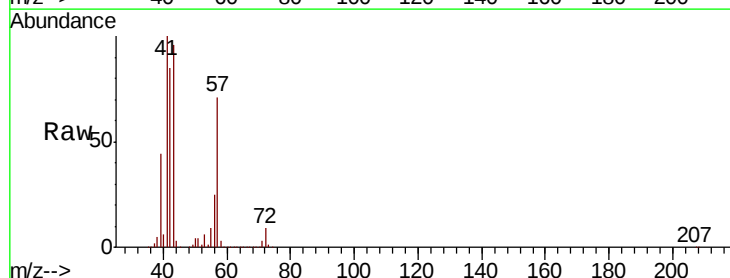
Acq: 20 Feb 2020 14:05

Tgt Ion: 64 Resp: 3879

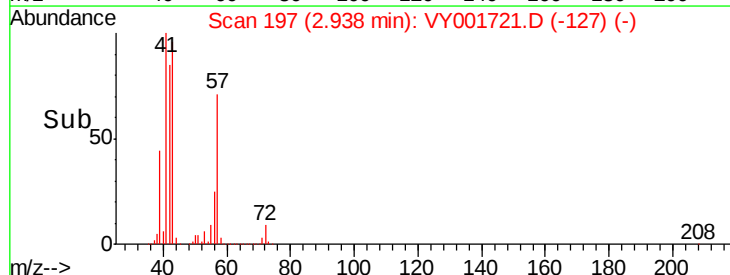
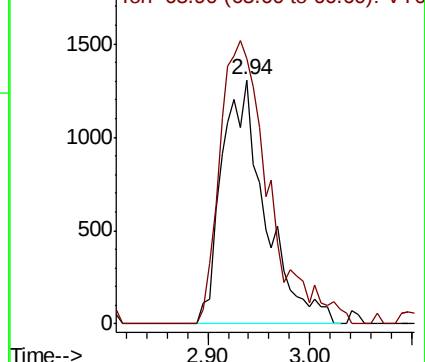
Ion Ratio Lower Upper

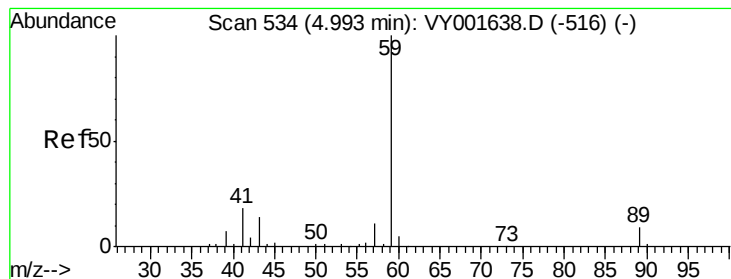
64 100

66 109.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VY001638.D (-167) (-)



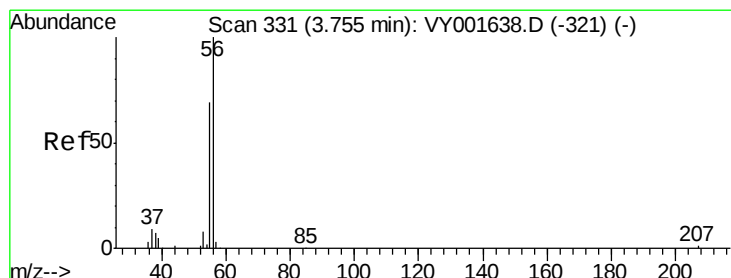
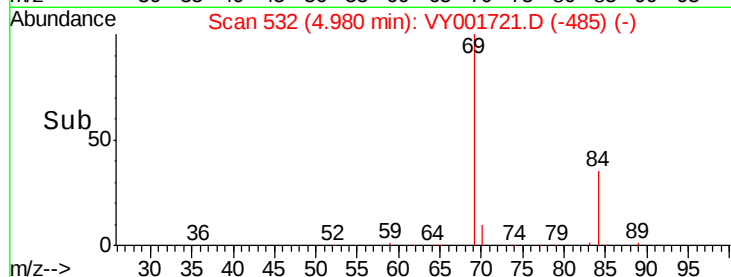
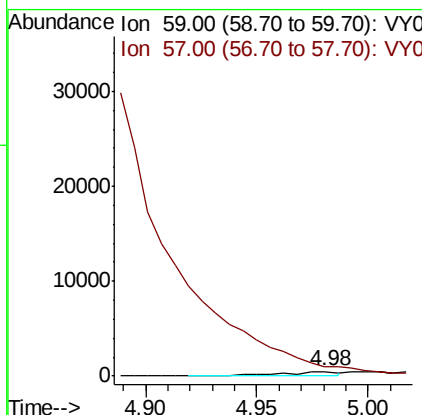
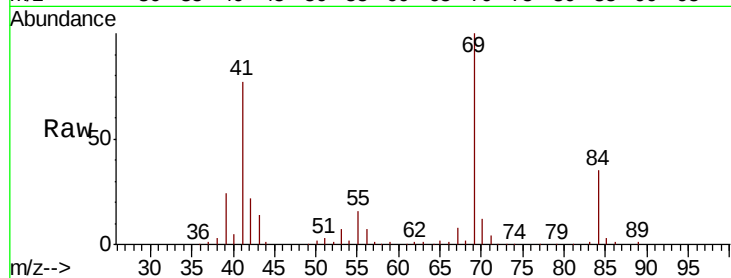


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY001721.D
 Acq: 20 Feb 2020 14:05

Instrument :
 MSVOA_Y
 ClientSampleId :

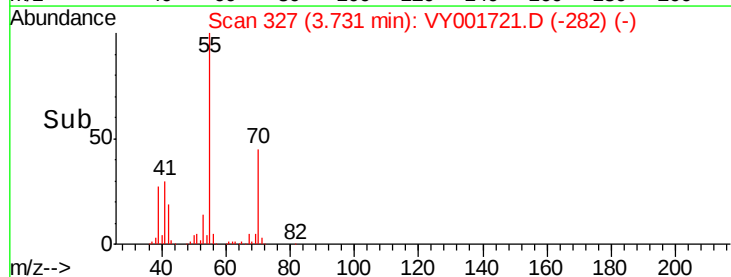
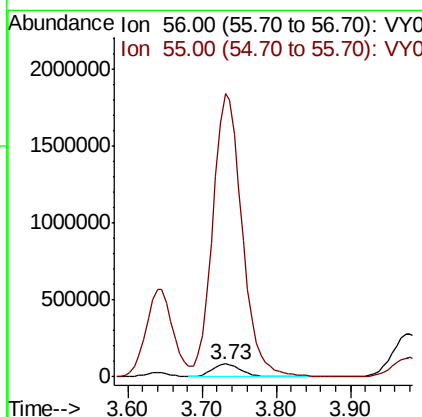
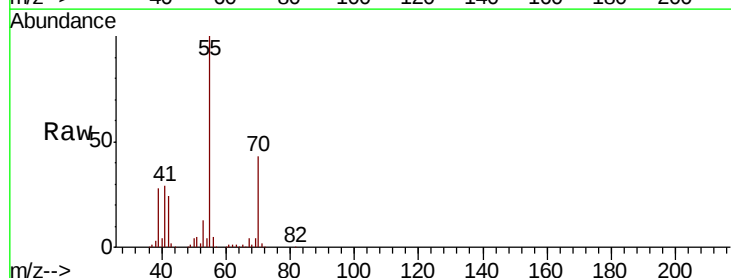
Tot Ion: 59 Resp: 896
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

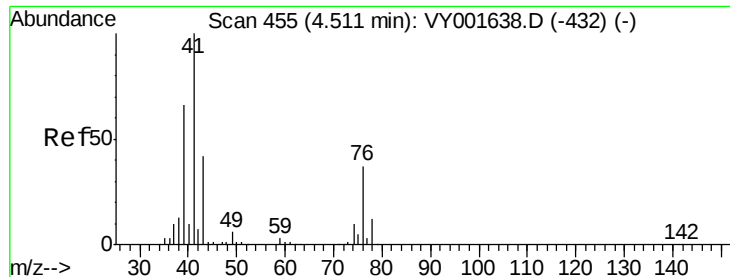


#13

Acrolein
 Concen: 1678.680 ug/l
 RT: 3.73 min Scan# 327
 Delta R.T. -0.02 min
 Lab File: VY001721.D
 Acq: 20 Feb 2020 14:05

Tgt Ion: 56 Resp: 229327
 Ion Ratio Lower Upper
 56 100
 55 2201.3 56.1 84.1#

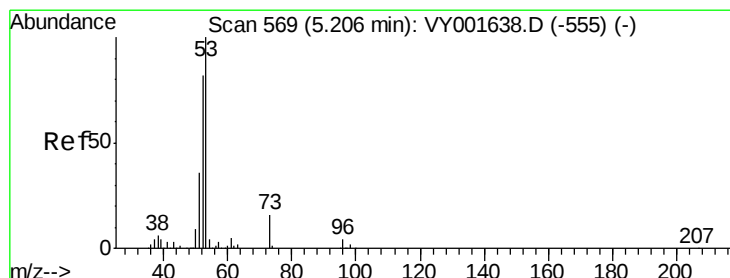
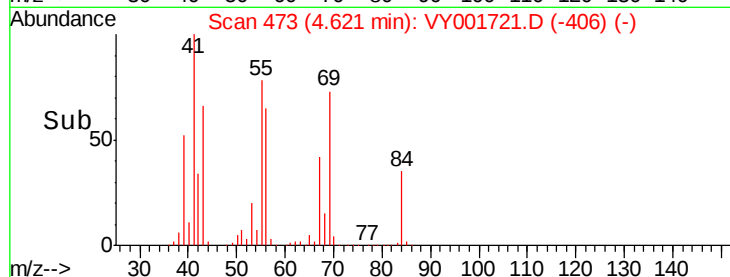
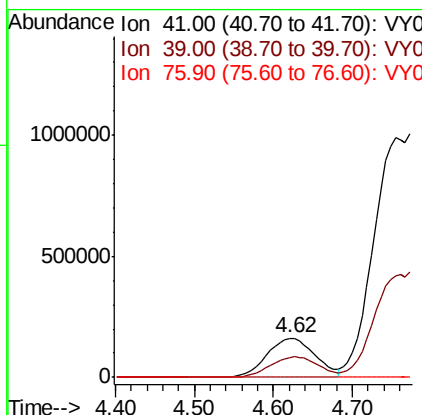
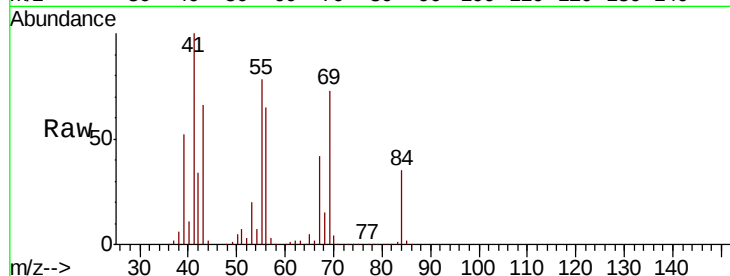




#14
Allvl chloride
Concen: 282.286 ug/l
RT: 4.62 min Scan# 473
Delta R.T. 0.11 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

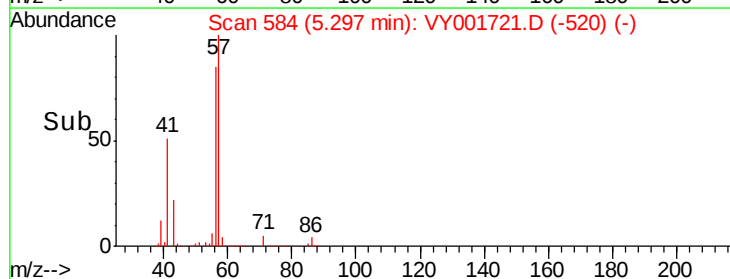
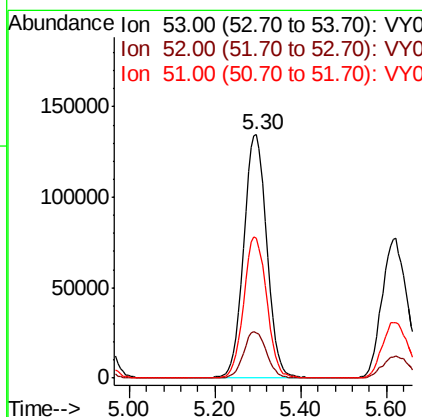
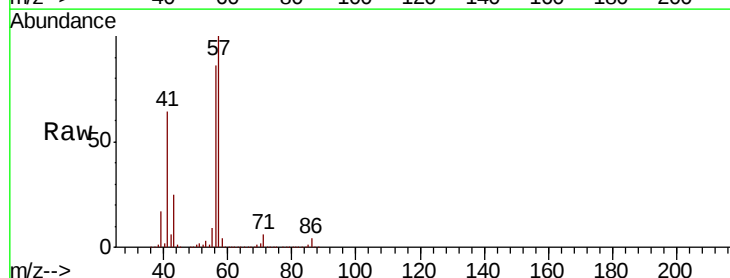
Instrument :
MSVOA_Y
ClientSampled :

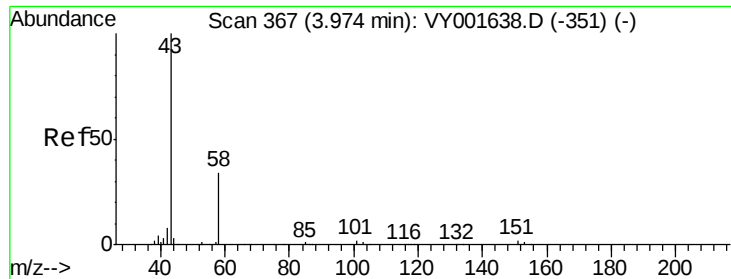
Tot Ion: 41 Resp: 685482
Ion Ratio Lower Upper
41 100
39 52.9 49.4 74.0
76 0.0 29.0 43.6#



#15
Acrylonitrile
Concen: 1150.077 ug/l
RT: 5.30 min Scan# 584
Delta R.T. 0.09 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion: 53 Resp: 494623
Ion Ratio Lower Upper
53 100
52 18.9 65.4 98.0#
51 57.8 28.0 42.0#

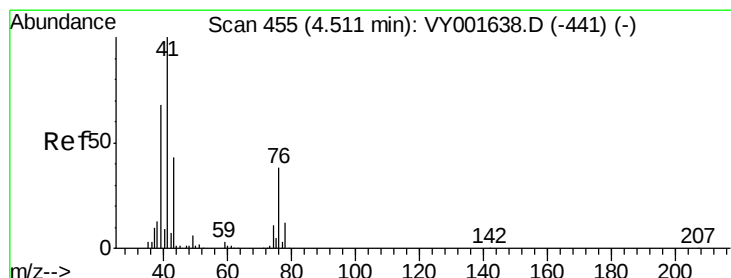
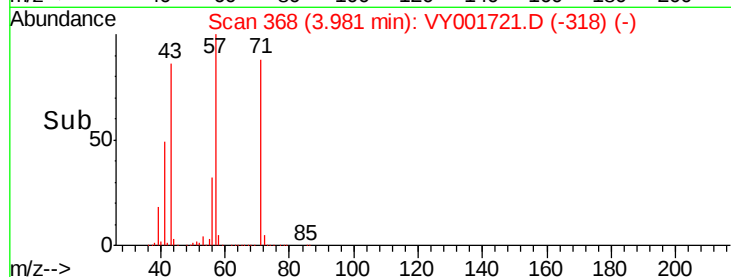
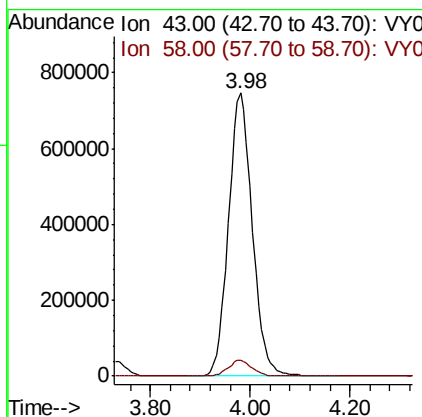
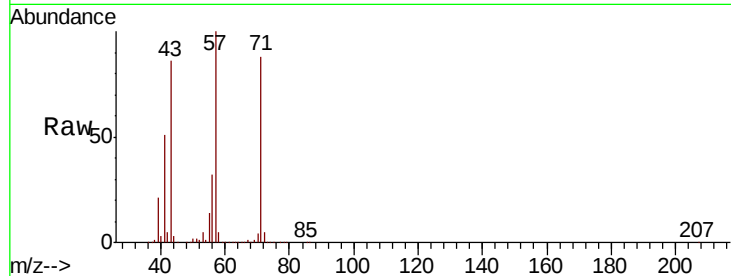




#16
Acetone
Concen: 5283.377 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

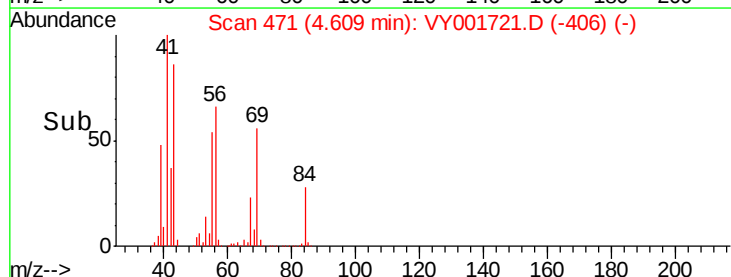
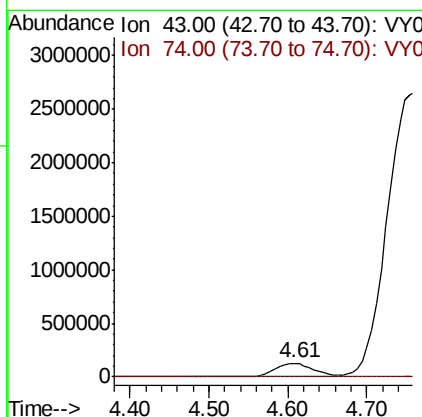
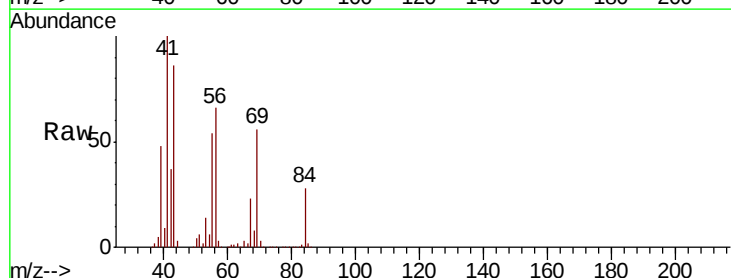
Instrument :
MSVOA_Y
ClientSampleId :

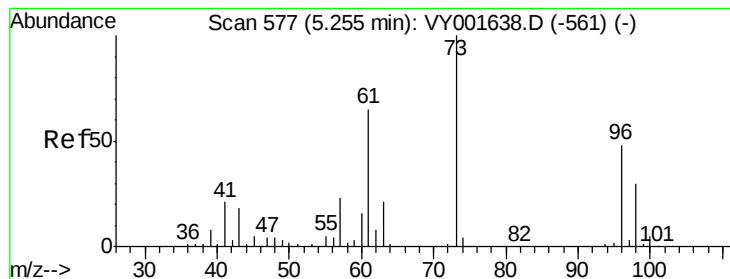
Tot Ion: 43 Resp: 2472803
Ion Ratio Lower Upper
43 100
58 5.5 27.3 40.9#



#18
Methyl Acetate
Concen: 426.549 ug/l
RT: 4.61 min Scan# 471
Delta R.T. 0.10 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion: 43 Resp: 434764
Ion Ratio Lower Upper
43 100
74 0.1 19.1 28.7#



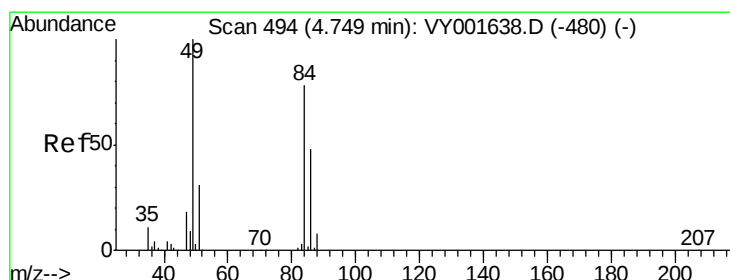
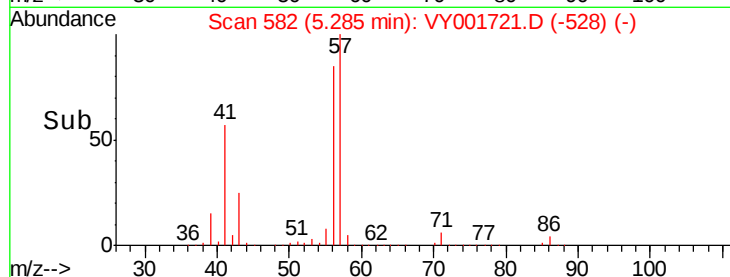
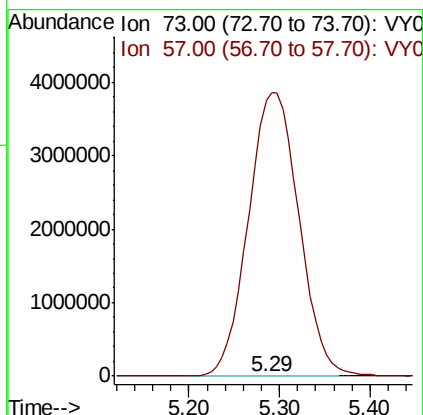
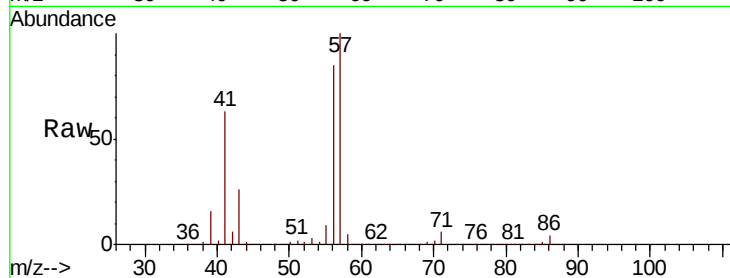


#19

Methyl tert-butyl Ether
 Concen: 1.503 ug/l
 RT: 5.29 min Scan# 582
 Delta R.T. 0.03 min
 Lab File: VY001721.D
 Acq: 20 Feb 2020 14:05

Instrument :
 MSVOA_Y
 ClientSampled :

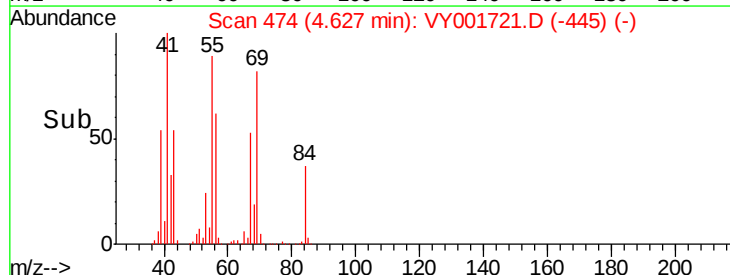
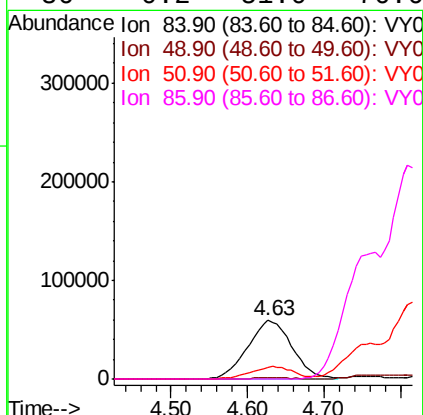
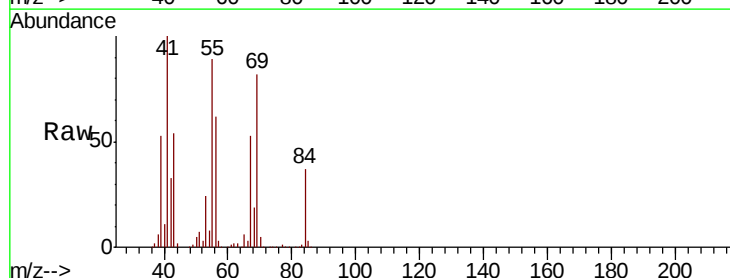
Tot Ion: 73 Resp: 5709
 Ion Ratio Lower Upper
 73 100
 57 265897.9 19.0 28.6#

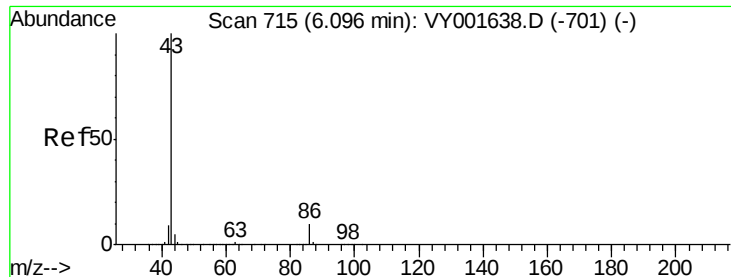


#20

Methylene Chloride
 Concen: 143.183 ug/l
 RT: 4.63 min Scan# 474
 Delta R.T. -0.12 min
 Lab File: VY001721.D
 Acq: 20 Feb 2020 14:05

Tgt Ion: 84 Resp: 238037
 Ion Ratio Lower Upper
 84 100
 49 1.7 99.2 148.8#
 51 19.9 31.5 47.3#
 86 0.2 51.0 76.6#





#23

Vinyl Acetate

Concen: 113.459 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

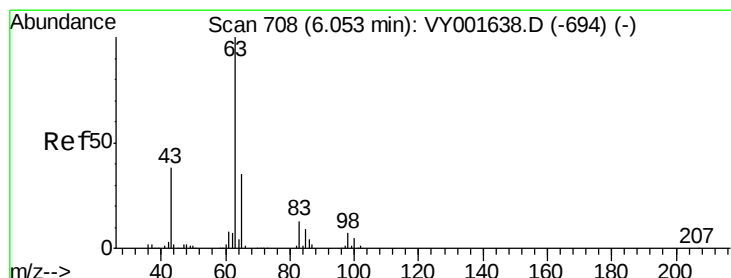
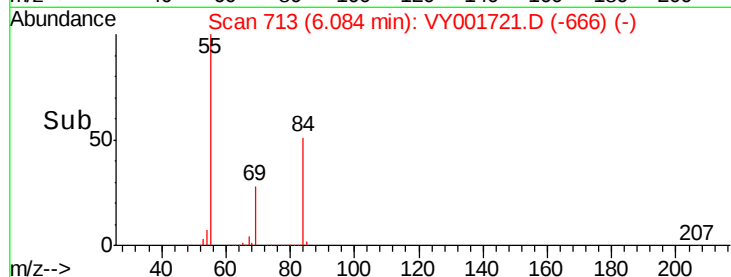
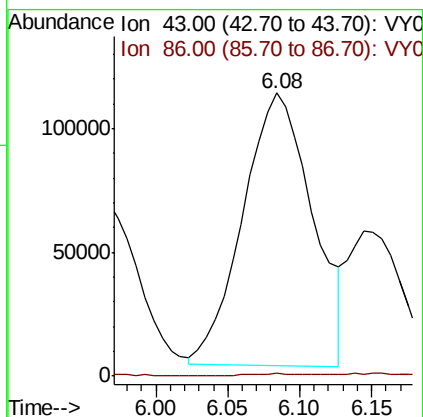
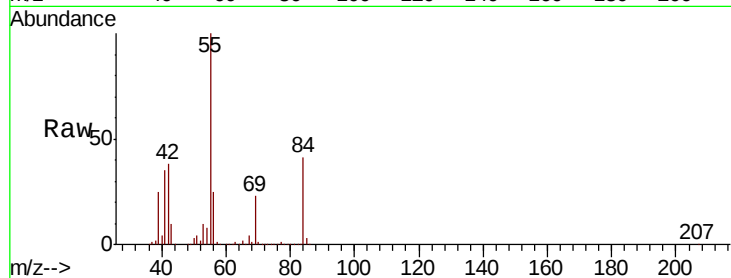
ClientSampled :

Tot Ion: 43 Resp: 369068

Ion Ratio Lower Upper

43 100

86 0.8 8.8 13.2#



#24

1,1-Dichloroethane

Concen: 11.026 ug/l

RT: 6.08 min Scan# 713

Delta R.T. 0.03 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

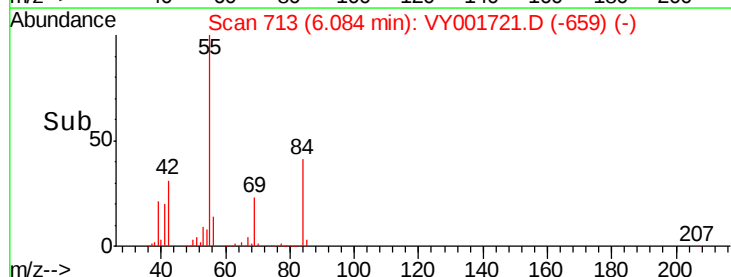
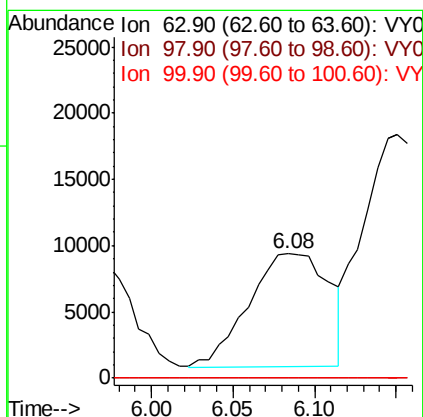
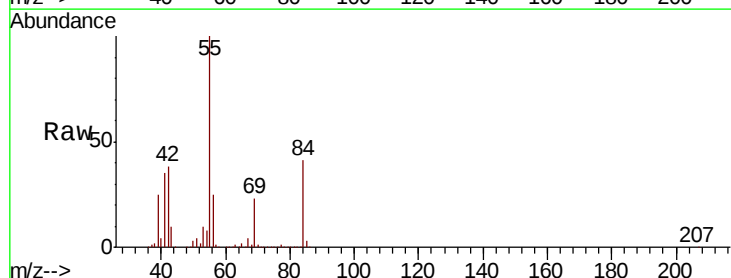
Tgt Ion: 63 Resp: 29388

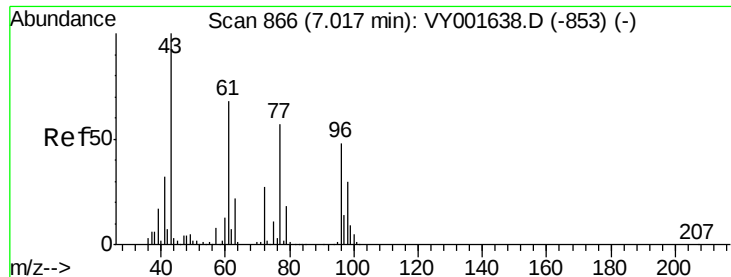
Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.2#

100 0.0 2.3 6.9#





#25

2-Butanone

Concen: 408.022 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

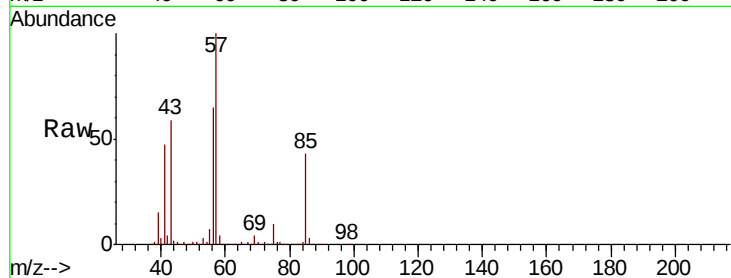
ClientSampleId :

Tot Ion: 43 Resp: 259423

Ion Ratio Lower Upper

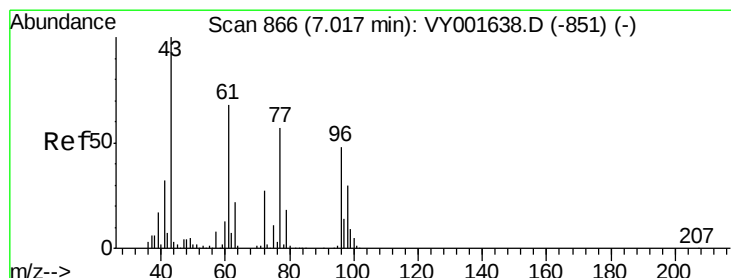
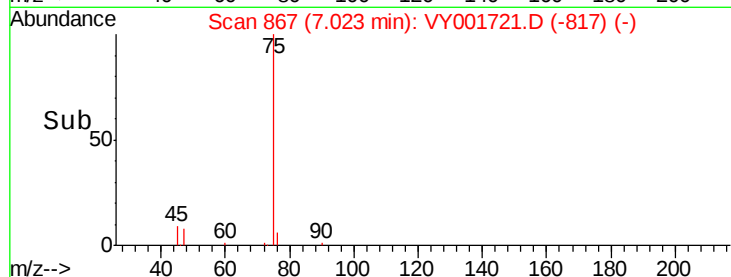
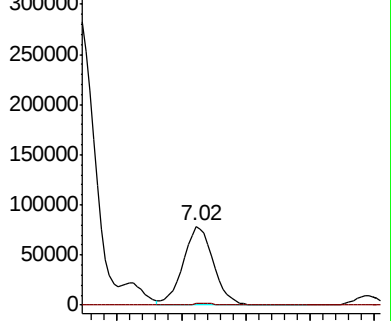
43 100

72 1.5 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 1.861 ug/l

RT: 6.92 min Scan# 850

Delta R.T. -0.10 min

Lab File: VY001721.D

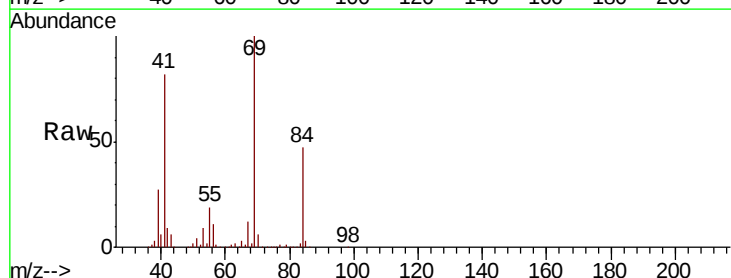
Acq: 20 Feb 2020 14:05

Tgt Ion: 77 Resp: 4316

Ion Ratio Lower Upper

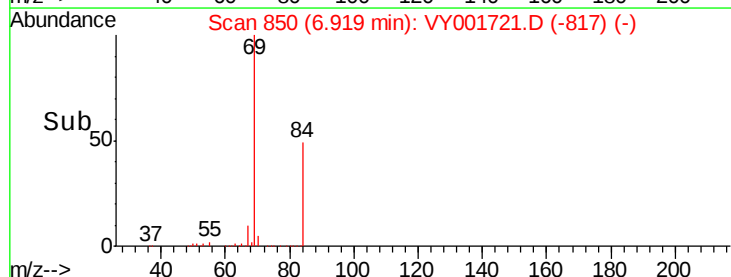
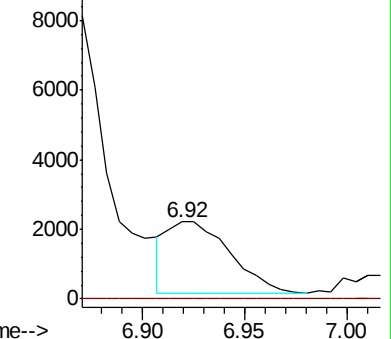
77 100

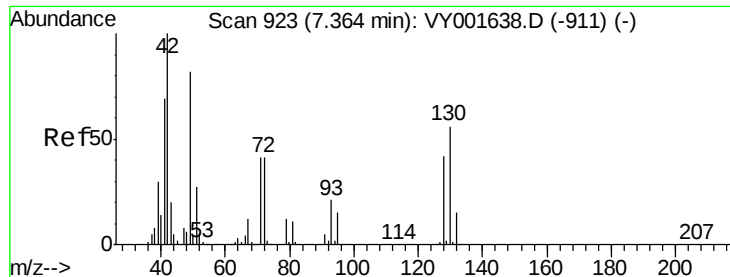
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#28

Bromochloromethane

Concen: 25.010 ug/l

RT: 7.57 min Scan# 956

Delta R.T. 0.20 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :
MSVOA_Y
ClientSampled :

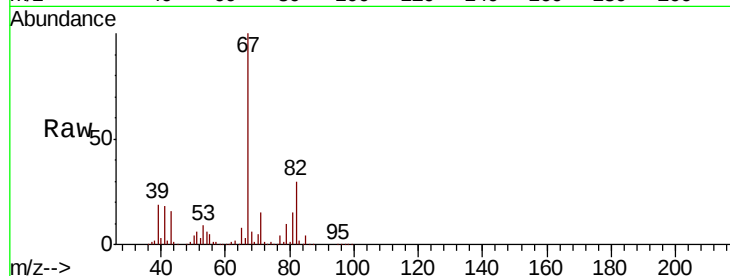
Tot Ion: 49 Resp: 27768

Ion Ratio Lower Upper

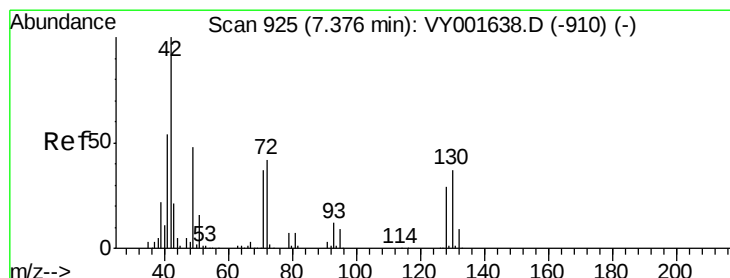
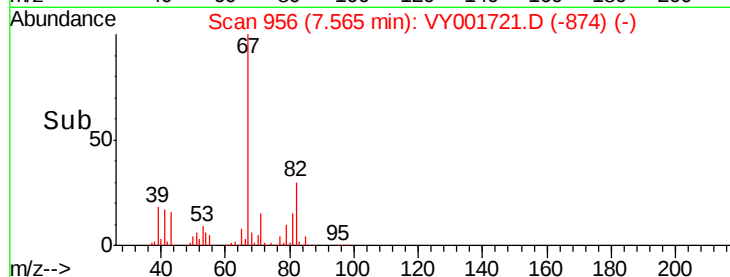
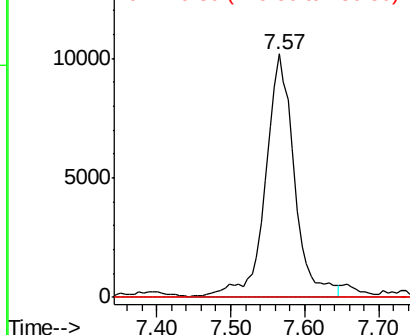
49 100

129 0.0 0.0 3.6

130 0.0 56.2 84.4#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0



#29

Tetrahydrofuran

Concen: 53.386 ug/l

RT: 7.39 min Scan# 928

Delta R.T. 0.02 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

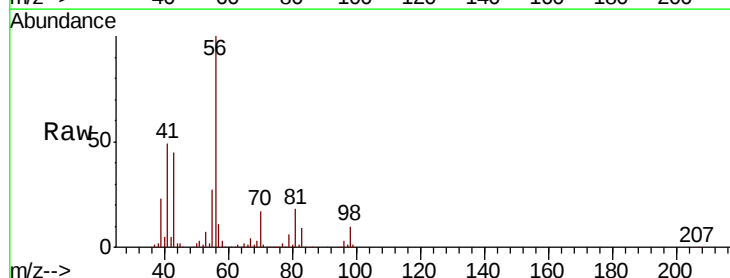
Tgt Ion: 42 Resp: 20516

Ion Ratio Lower Upper

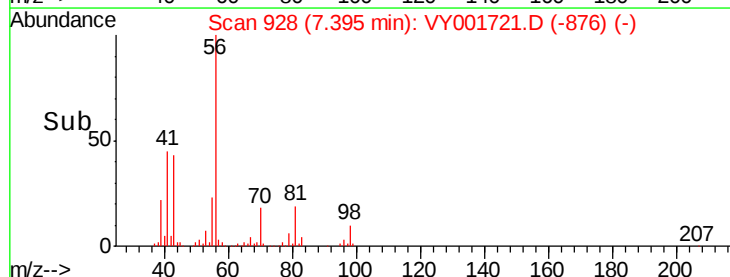
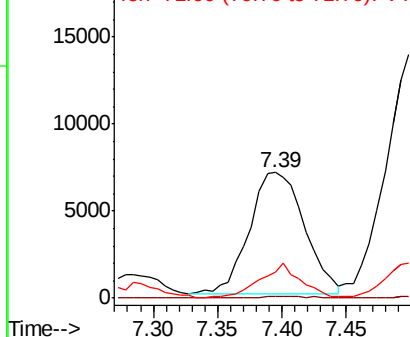
42 100

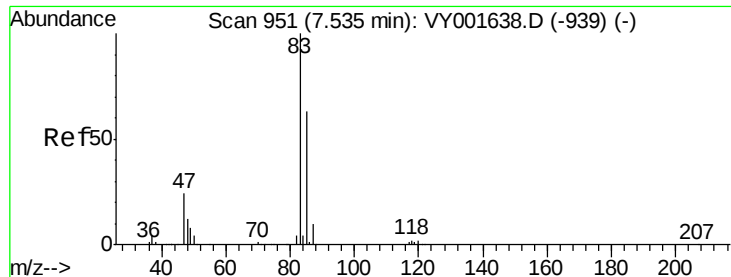
72 0.0 34.4 51.6#

71 0.0 31.8 47.8#



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

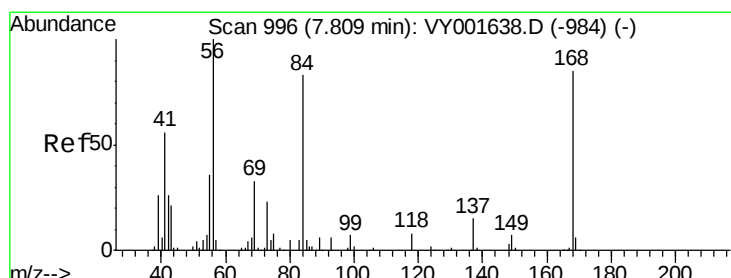
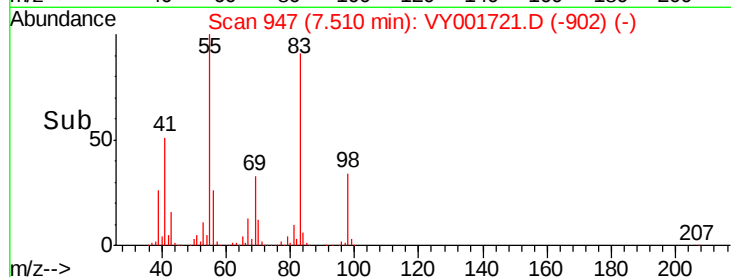
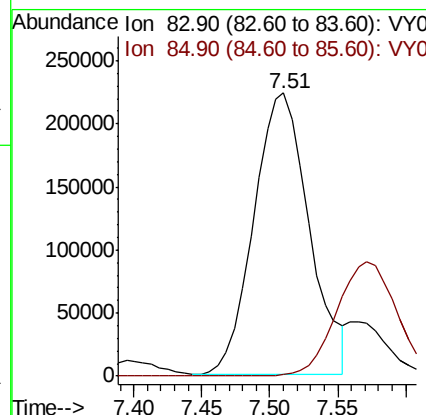
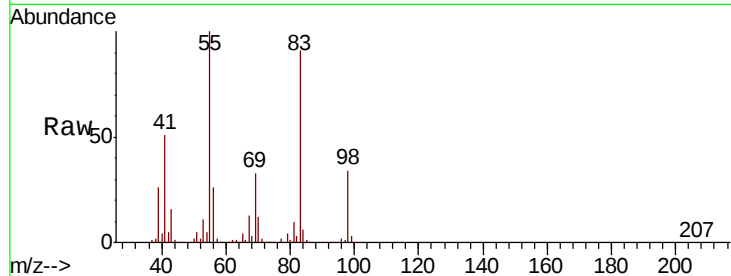




#30
Chloroform
Concen: 243.792 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.02 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

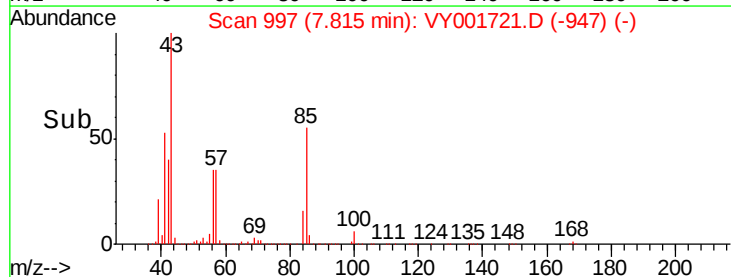
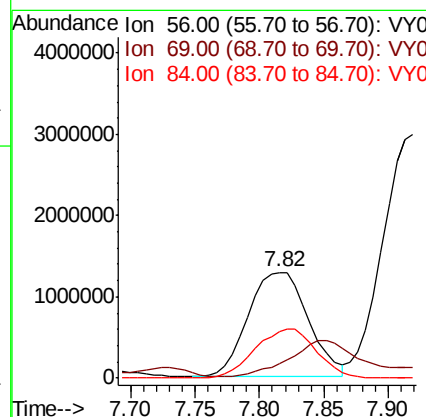
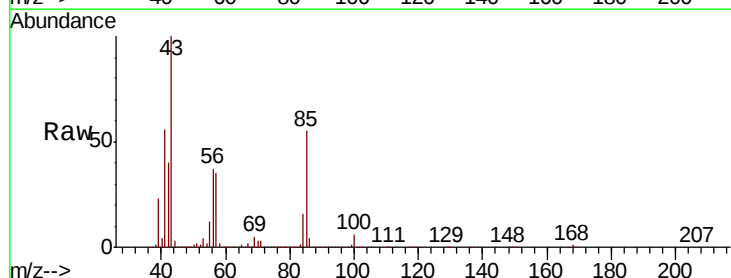
Instrument :
MSVOA_Y
ClientSampled :

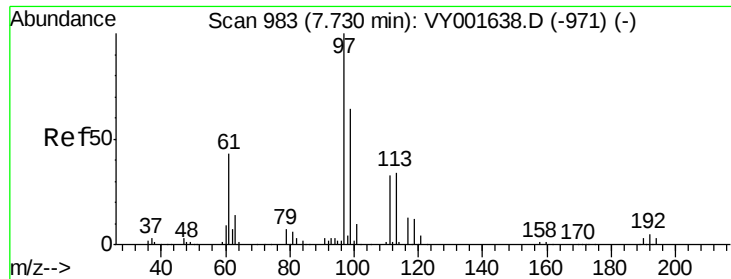
Tot Ion: 83 Resp: 634912
Ion Ratio Lower Upper
83 100
85 0.6 51.6 77.4#



#31
Cyclohexane
Concen: 1474.794 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion: 56 Resp: 4191064
Ion Ratio Lower Upper
56 100
69 8.2 25.1 37.7#
84 44.7 66.9 100.3#





#32

1,1,1-Trichloroethane

Concen: 1.295 ug/l

RT: 7.66 min Scan# 972

Delta R.T. -0.07 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

ClientSampleId :

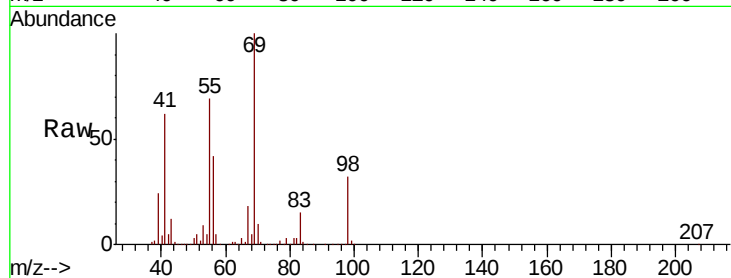
Tot Ion: 97 Resp: 2834

Ion Ratio Lower Upper

97 100

99 421.8 51.2 76.8#

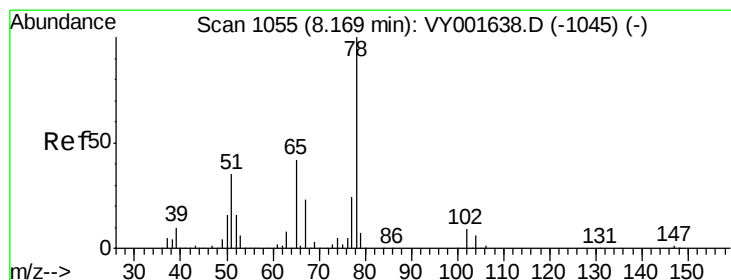
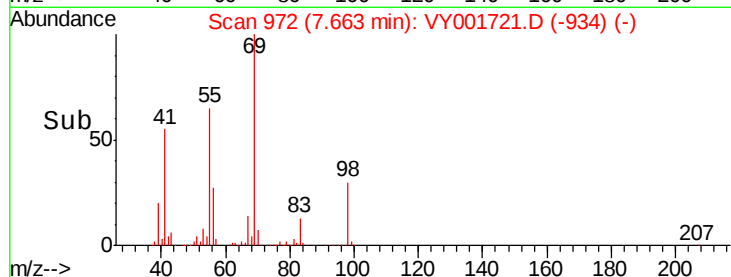
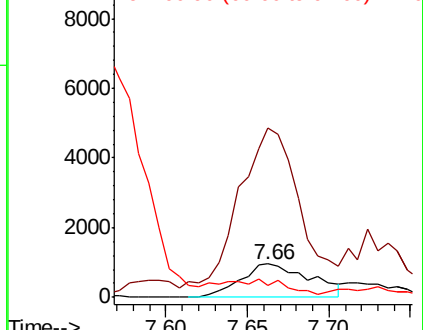
61 0.0 35.0 52.6#



Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0



#33

1,2-Dichloroethane-d4

Concen: 77.767 ug/l

RT: 8.17 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001721.D

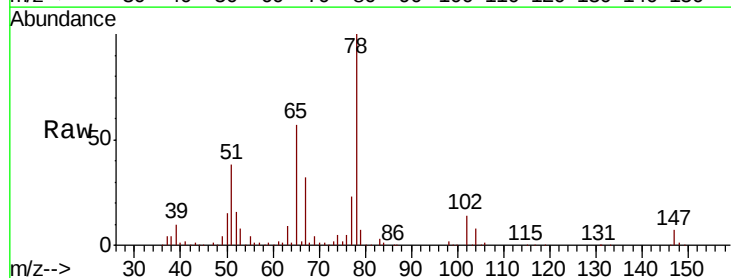
Acq: 20 Feb 2020 14:05

Tgt Ion: 65 Resp: 105192

Ion Ratio Lower Upper

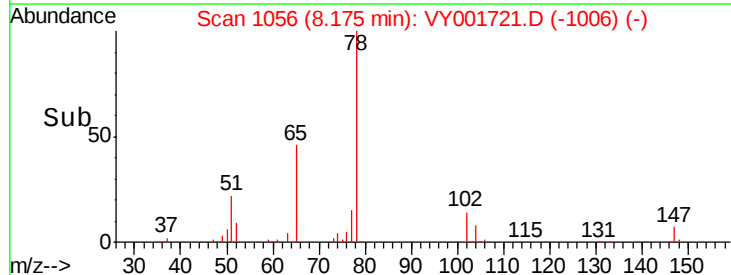
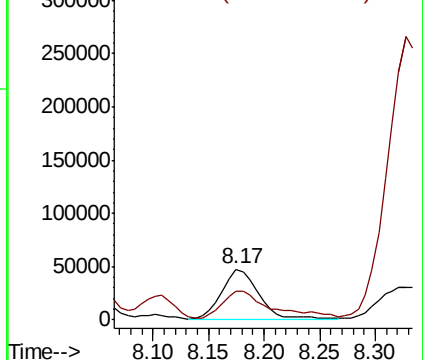
65 100

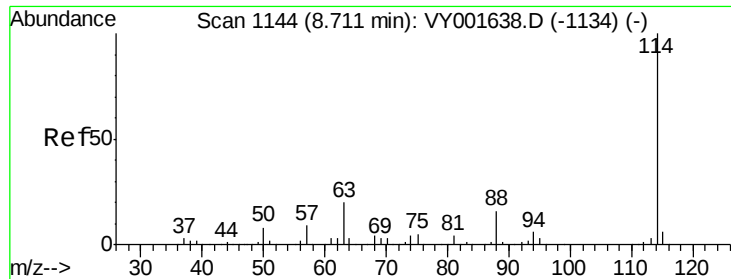
67 68.1 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

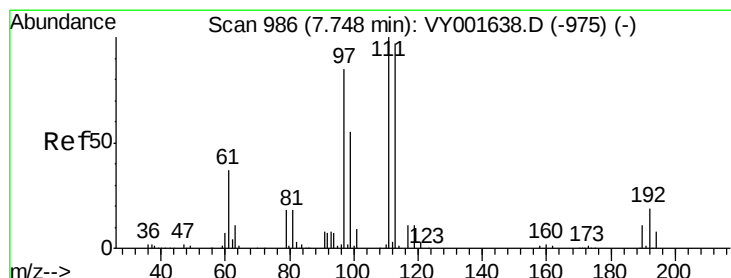
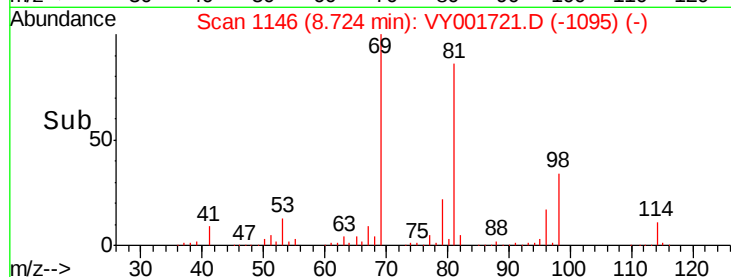
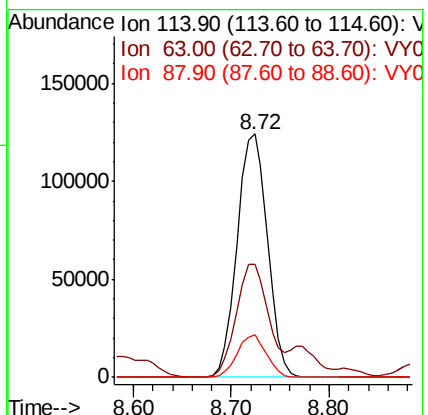
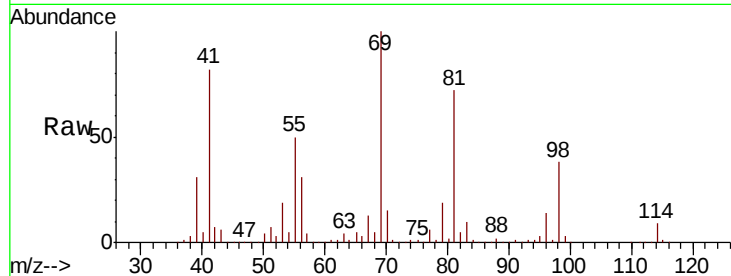




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.72 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

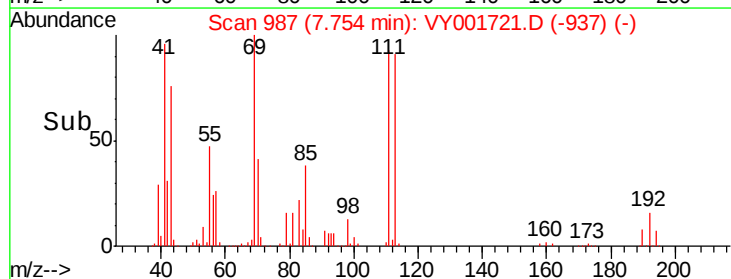
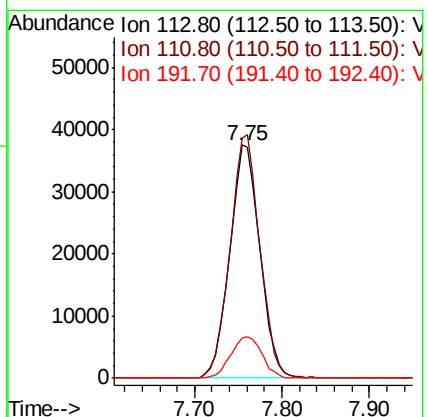
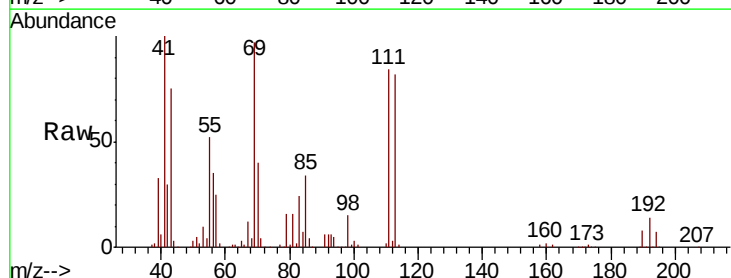
Instrument :
MSVOA_Y
ClientSampleId :

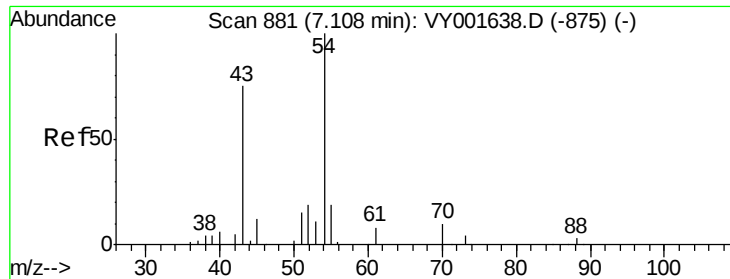
Tot Ion:114 Resp: 267430
Ion Ratio Lower Upper
114 100
63 46.2 0.0 41.4#
88 17.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 58.703 ug/l
RT: 7.75 min Scan# 987
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion:113 Resp: 89917
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 18.4 14.3 21.5

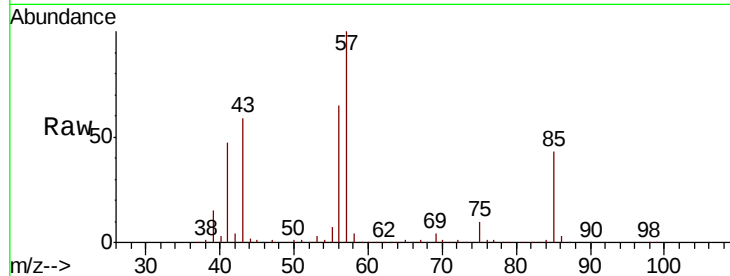




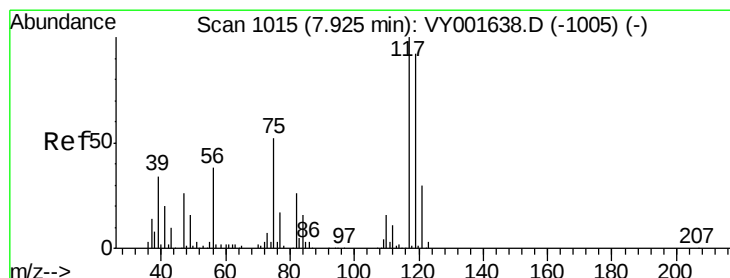
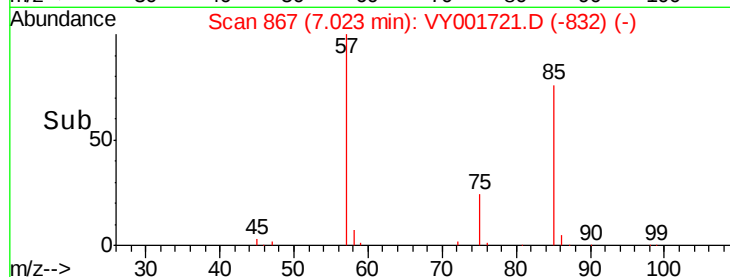
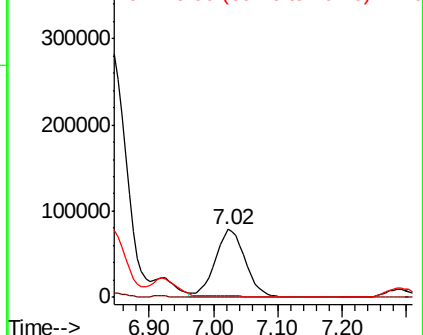
#37
Ethyl Acetate
Concen: 170.153 ug/l
RT: 7.02 min Scan# 867
Delta R.T. -0.09 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 259423
Ion Ratio Lower Upper
43 100
61 0.4 11.0 16.6#
70 1.8 8.8 13.2#

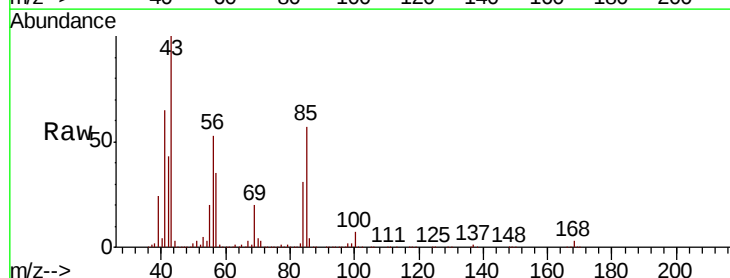


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

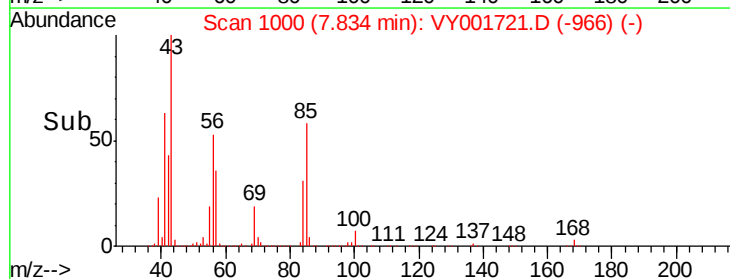
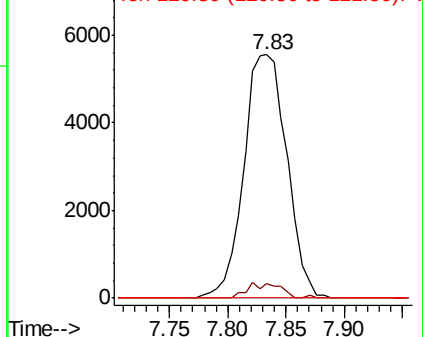


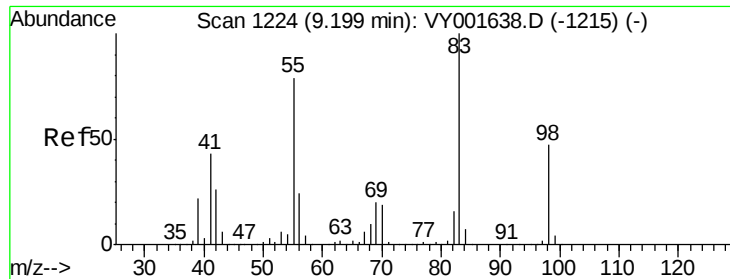
#38
Carbon Tetrachloride
Concen: 6.369 ug/l
RT: 7.83 min Scan# 1000
Delta R.T. -0.09 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion: 117 Resp: 14291
Ion Ratio Lower Upper
117 100
119 6.0 74.8 112.2#
121 0.0 23.8 35.6#



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

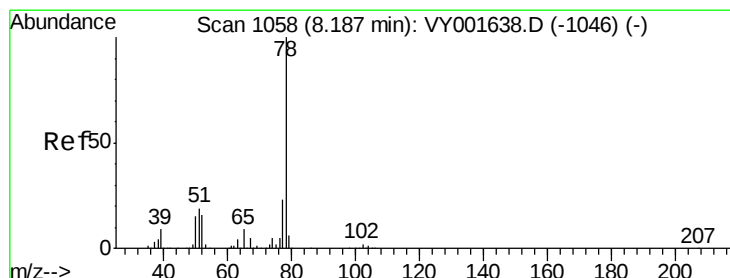
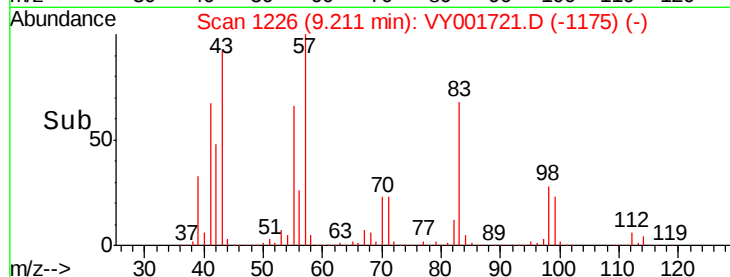
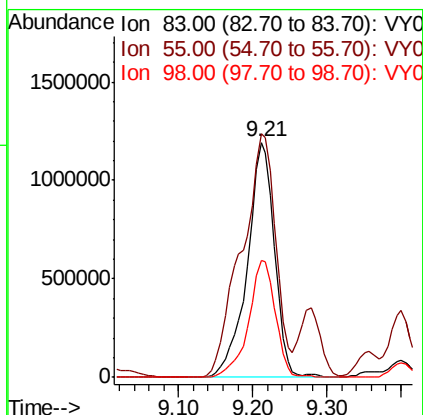
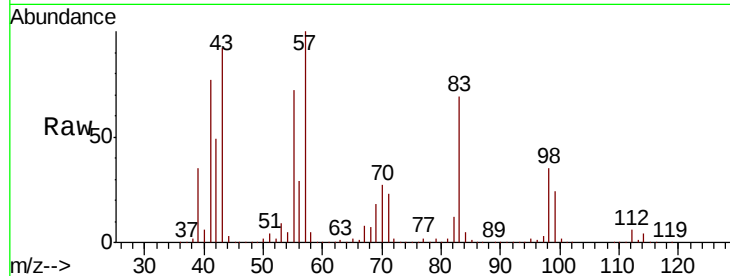




#39
Methvlcvclohexane
Concen: 902.483 ug/l
RT: 9.21 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

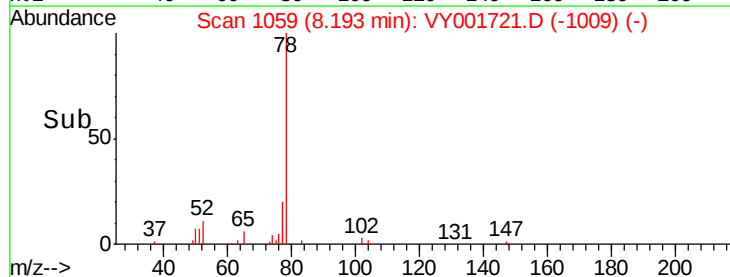
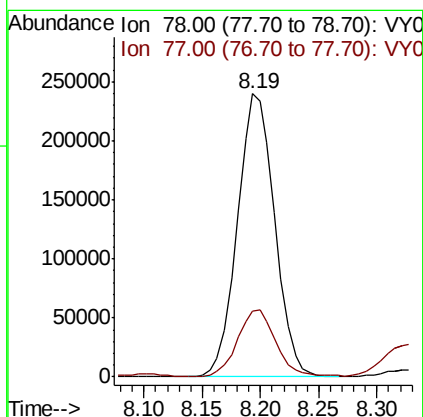
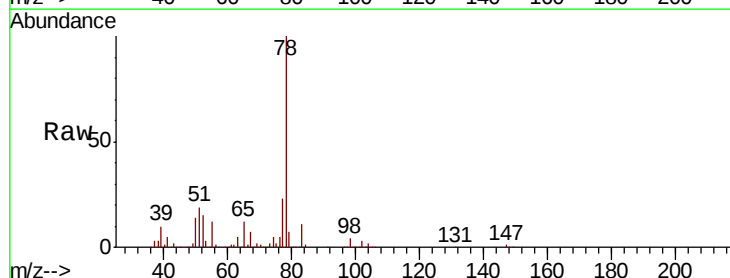
Instrument :
MSVOA_Y
ClientSampleId :

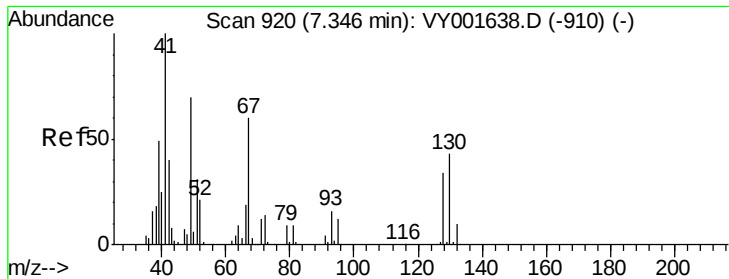
Tot Ion: 83 Resp: 3058459
Ion Ratio Lower Upper
83 100
55 103.6 61.3 91.9#
98 49.9 38.0 57.0



#40
Benzene
Concen: 70.906 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion: 78 Resp: 532707
Ion Ratio Lower Upper
78 100
77 23.1 18.2 27.4





#41

Methacrylonitrile

Concen: 242.204 ug/l

RT: 7.40 min Scan# 929

Delta R.T. 0.06 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

ClientSampled :

Tot Ion: 41 Resp: 185416

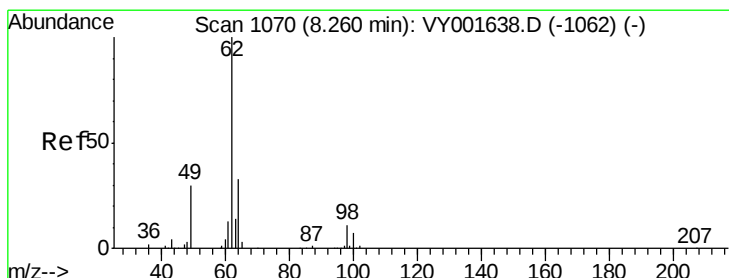
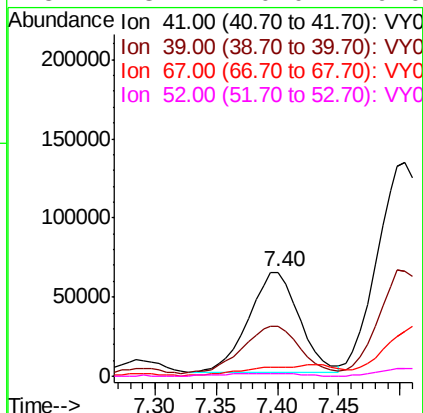
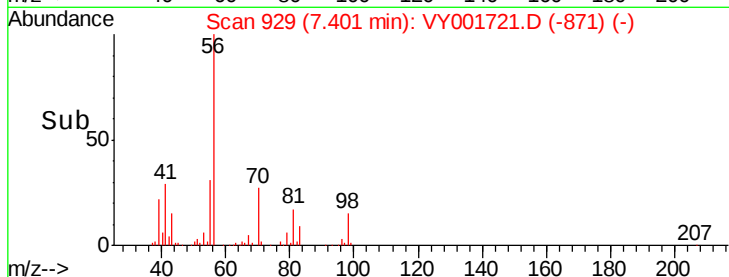
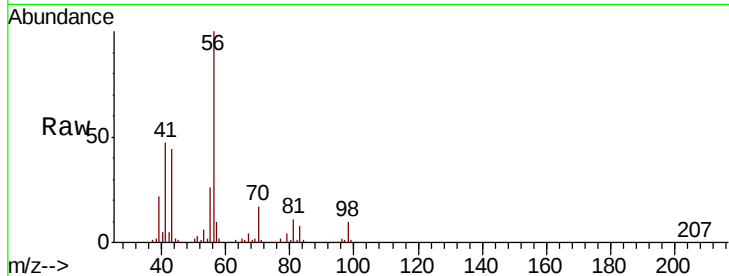
Ion Ratio Lower Upper

41 100

39 52.1 36.0 54.0

67 0.0 0.0 0.0

52 3.7 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 6.713 ug/l

RT: 8.32 min Scan# 1079

Delta R.T. 0.05 min

Lab File: VY001721.D

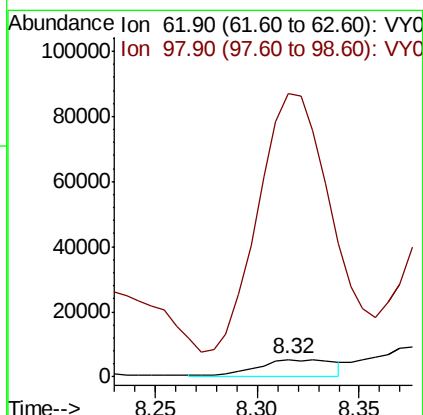
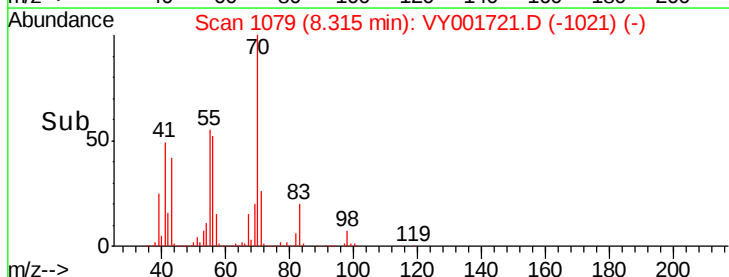
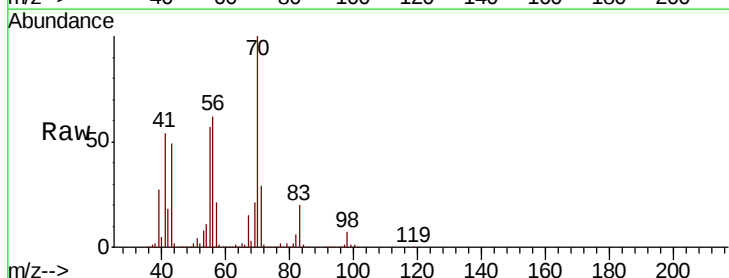
Acq: 20 Feb 2020 14:05

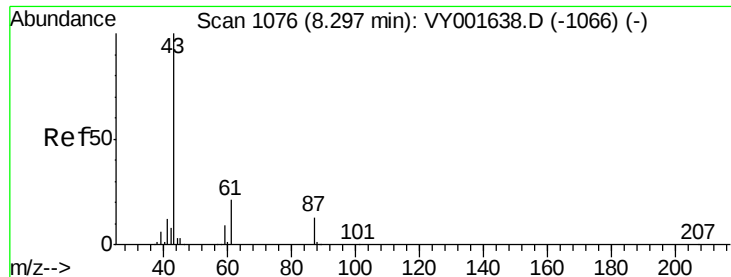
Tgt Ion: 62 Resp: 13739

Ion Ratio Lower Upper

62 100

98 1511.0 0.0 20.8#





#43

Isopropyl Acetate

Concen: 546.102 ug/l

RT: 8.31 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

ClientSampleId :

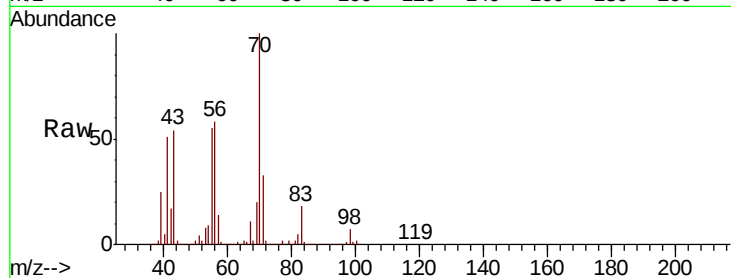
Tot Ion: 43 Resp: 1579767

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.4#

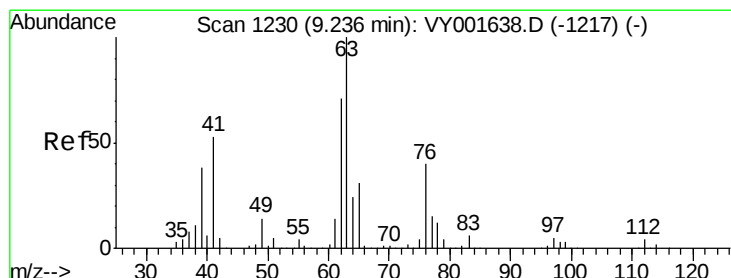
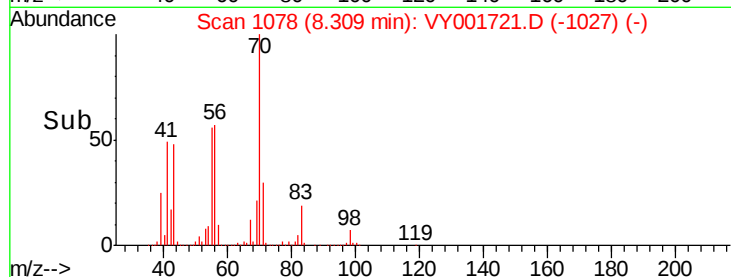
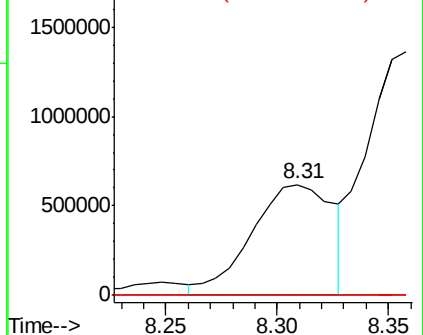
87 0.0 10.7 16.1#



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: 7.969 ug/l

RT: 9.28 min Scan# 1237

Delta R.T. 0.04 min

Lab File: VY001721.D

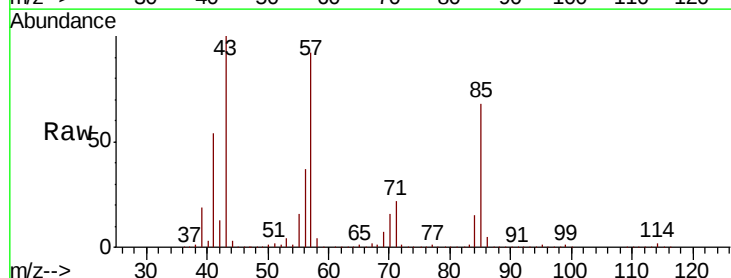
Acq: 20 Feb 2020 14:05

Tgt Ion: 63 Resp: 14994

Ion Ratio Lower Upper

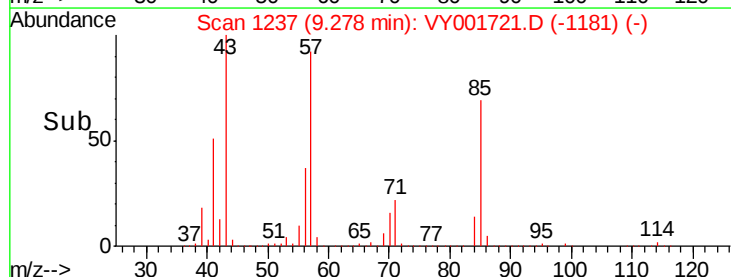
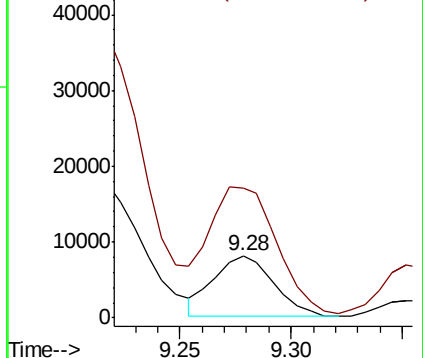
63 100

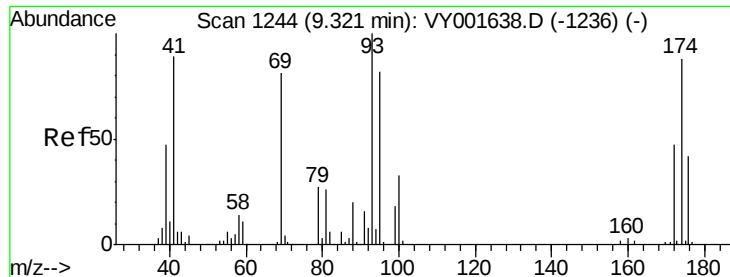
65 204.9 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0





#46

Dibromomethane

Concen: 1.526 ug/l

RT: 9.36 min Scan# 1250

Delta R.T. 0.04 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

ClientSampleId :

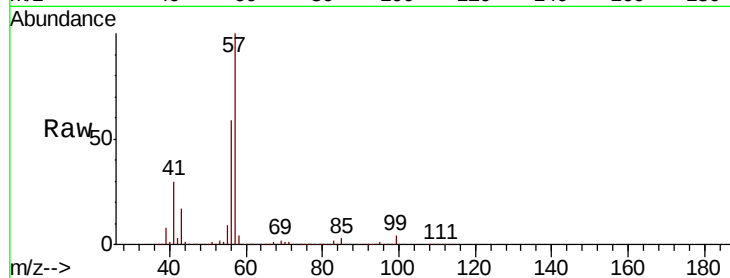
Tot Ion: 93 Resp: 1502

Ion Ratio Lower Upper

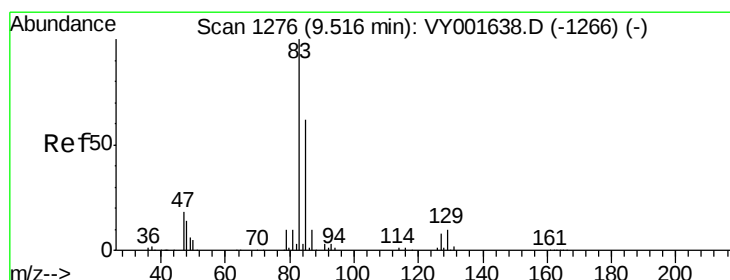
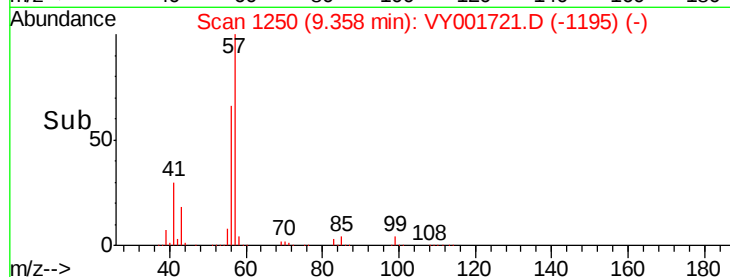
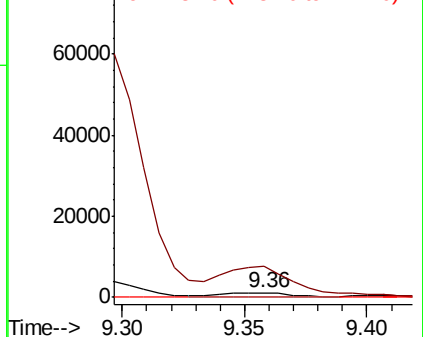
93 100

95 913.1 66.1 99.1#

174 0.0 72.5 108.7#



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): V



#47

Bromodichloromethane

Concen: 162.218 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

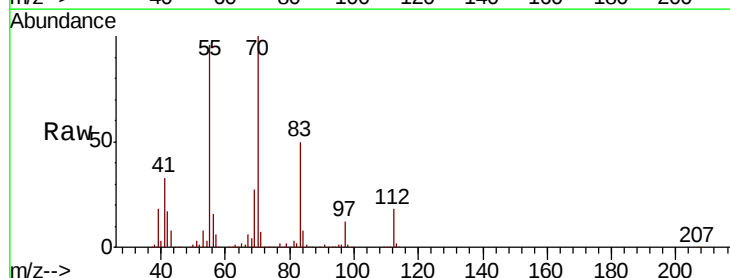
Tgt Ion: 83 Resp: 385286

Ion Ratio Lower Upper

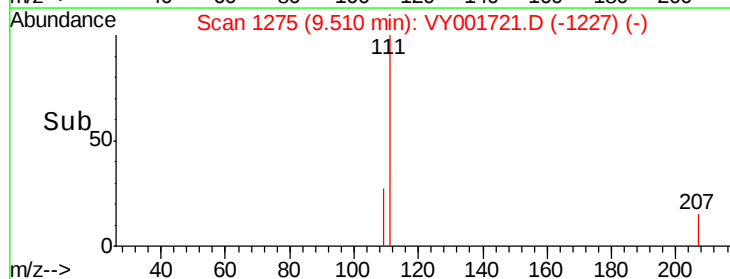
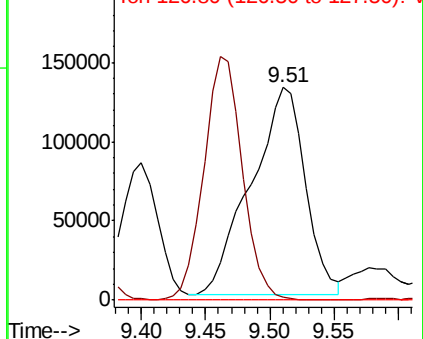
83 100

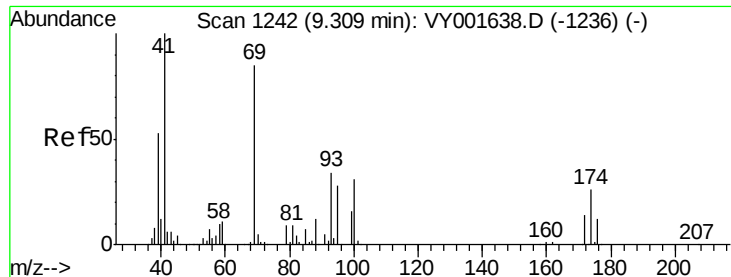
85 1.2 51.4 77.0#

127 0.0 6.4 9.6#



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

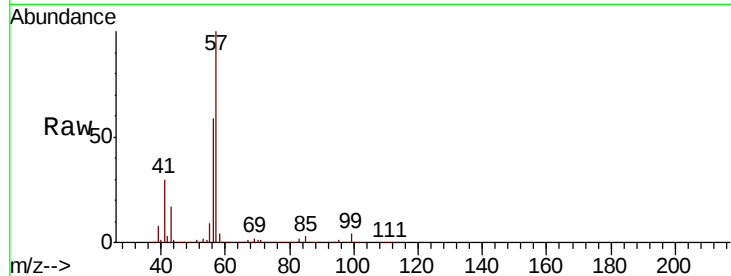




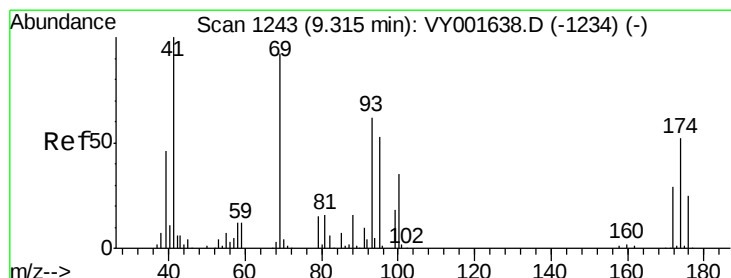
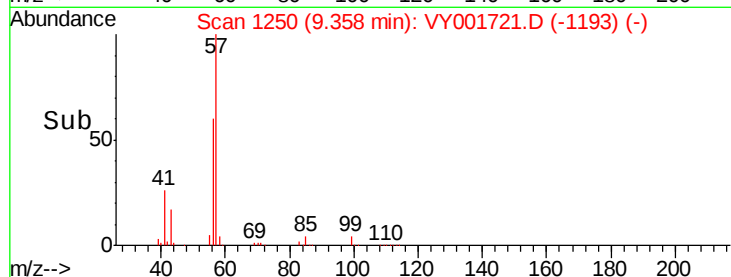
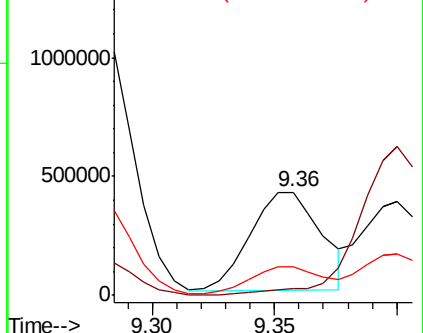
#48
Methyl methacrylate
Concen: 635.426 ug/l
RT: 9.36 min Scan# 1250
Delta R.T. 0.05 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 41 Resp: 831326
Ion Ratio Lower Upper
41 100
69 0.0 70.7 106.1#
39 27.6 42.2 63.2#

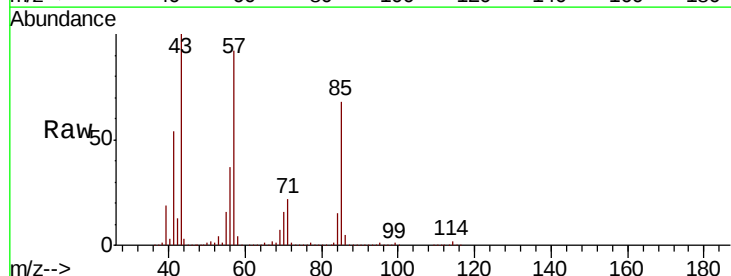


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

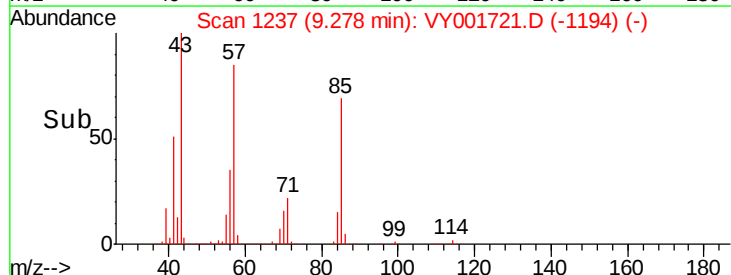
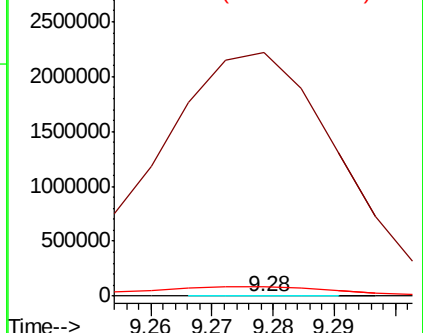


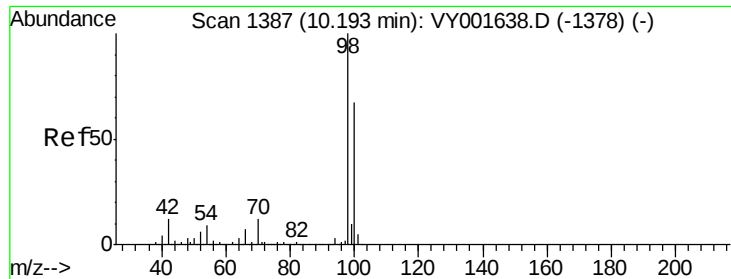
#49
1,4-Dioxane
Concen: 2.158 ug/l
RT: 9.28 min Scan# 1237
Delta R.T. -0.04 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 15221466.7 23.1 34.7#
58 631793.3 58.1 87.1#



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: 73.539 ug/l

RT: 10.21 min Scan# 1389

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

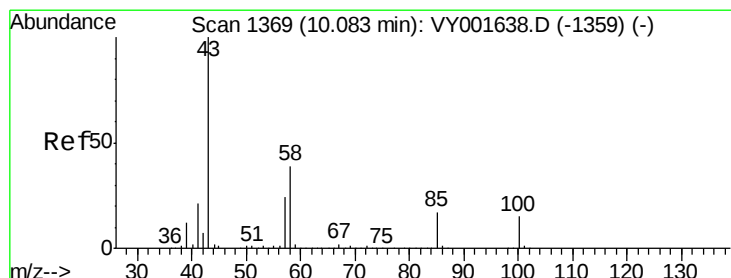
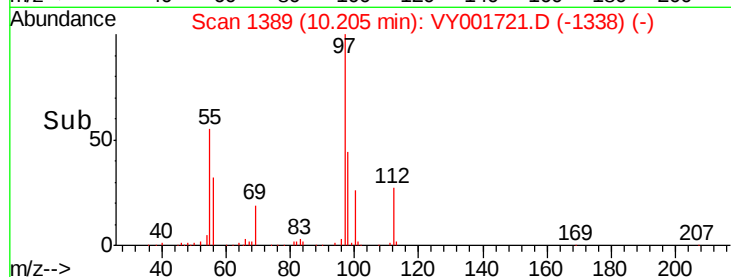
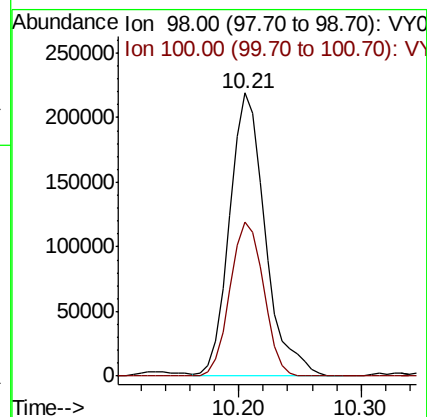
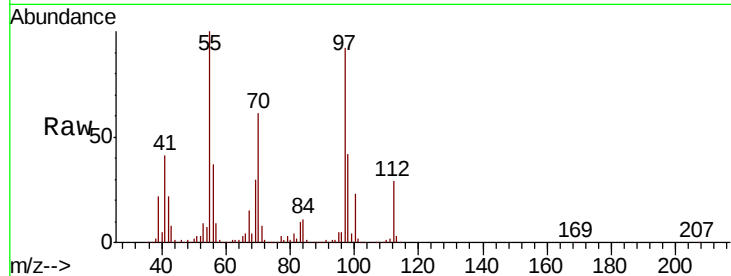
ClientSampleId :

Tot Ion: 98 Resp: 441294

Ion Ratio Lower Upper

98 100

100 51.3 53.0 79.4#



#51

4-Methyl-2-Pentanone

Concen: 952.851 ug/l

RT: 10.14 min Scan# 1379

Delta R.T. 0.06 min

Lab File: VY001721.D

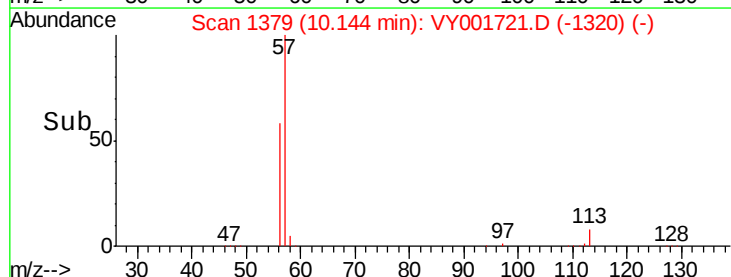
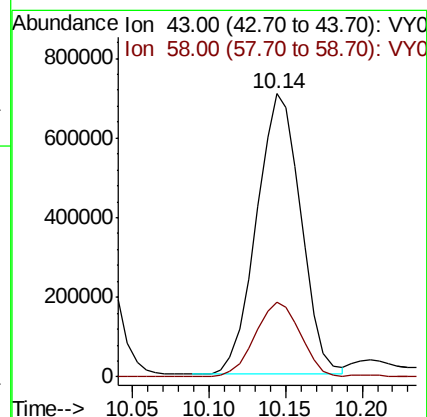
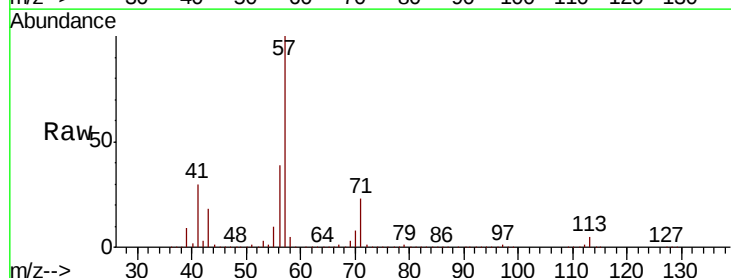
Acq: 20 Feb 2020 14:05

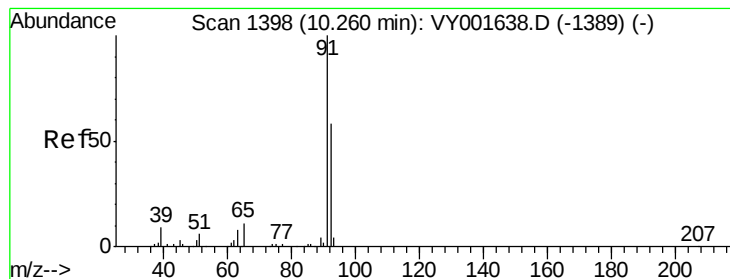
Tgt Ion: 43 Resp: 1416213

Ion Ratio Lower Upper

43 100

58 26.7 32.2 48.4#





#52

Toluene

Concen: 2821.976 ug/l

RT: 10.27 min Scan# 1400

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

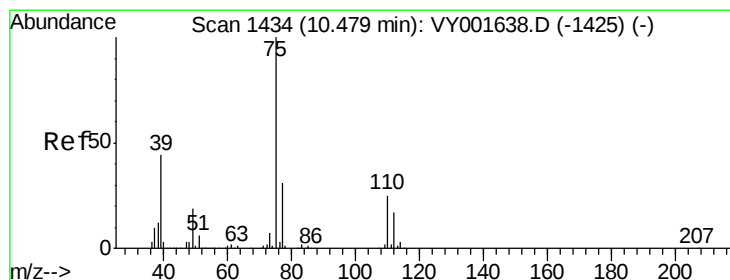
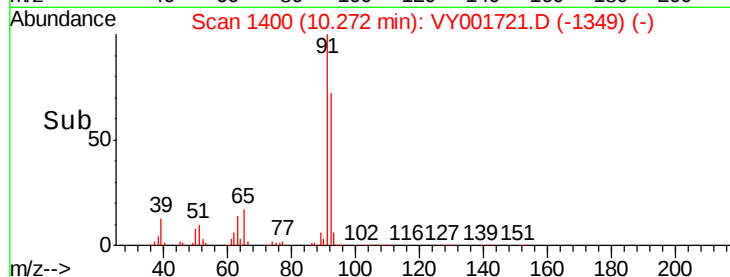
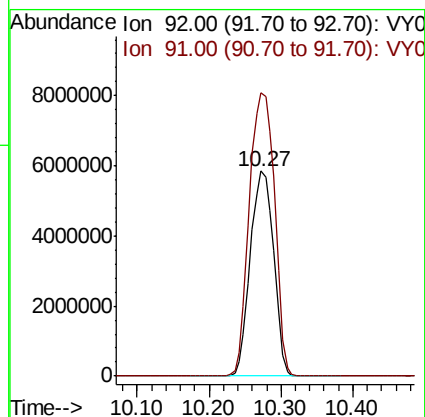
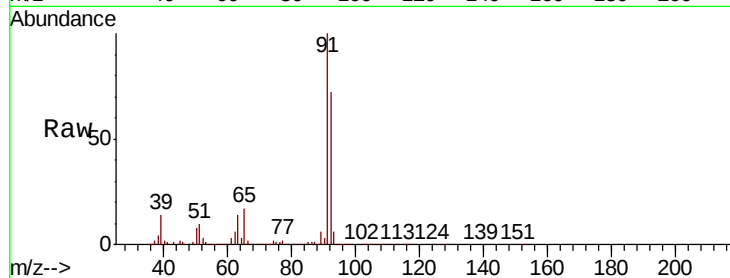
ClientSampleId :

Tot Ion: 92 Resp:13224634

Ion Ratio Lower Upper

92 100

91 149.8 137.0 205.6



#53

t-1,3-Dichloropropene

Concen: 76.661 ug/l

RT: 10.28 min Scan# 1401

Delta R.T. -0.20 min

Lab File: VY001721.D

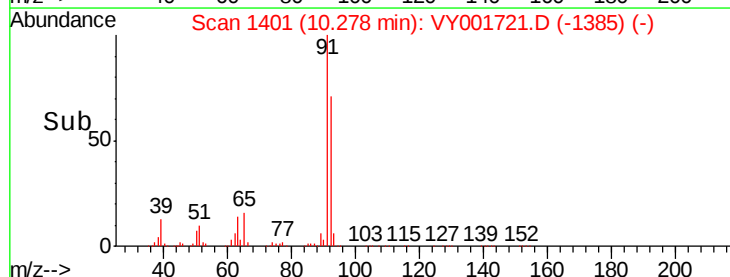
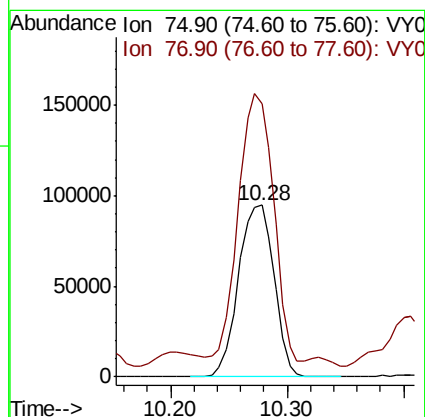
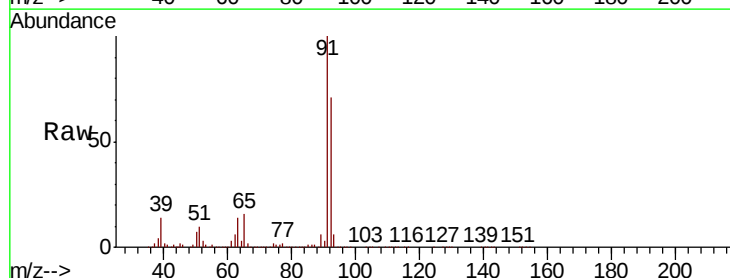
Acq: 20 Feb 2020 14:05

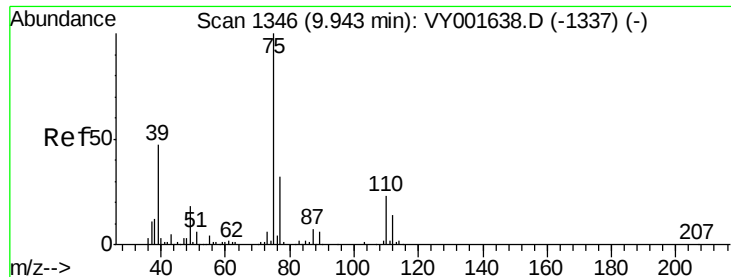
Tgt Ion: 75 Resp: 201289

Ion Ratio Lower Upper

75 100

77 152.8 25.2 37.8#



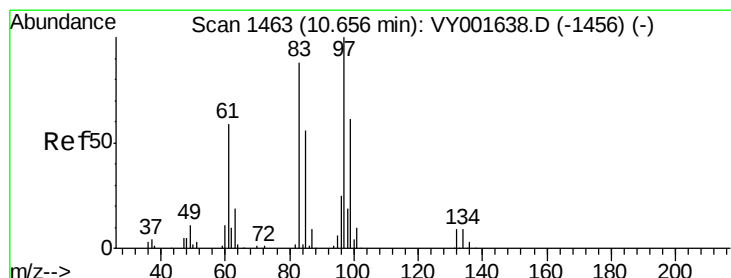
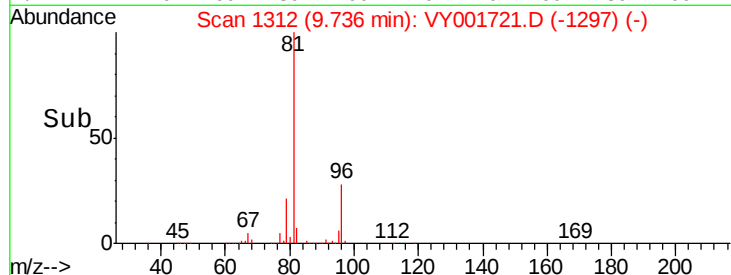
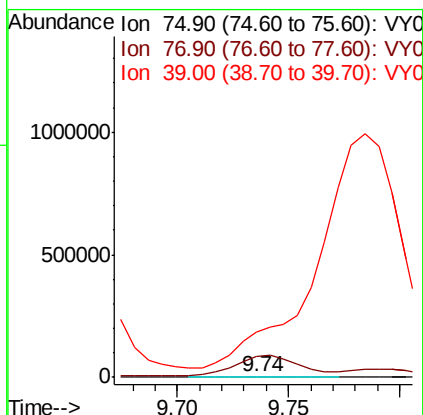
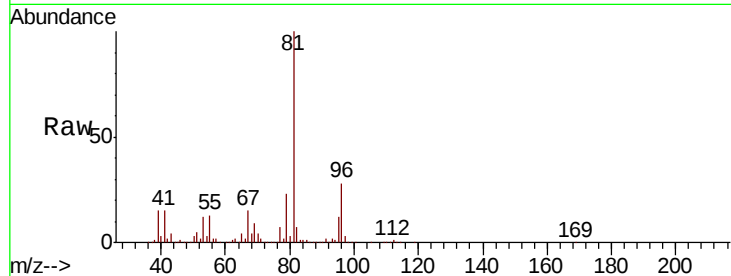


#54

cis-1,3-Dichloropropene
 Concen: 1.283 ug/l
 RT: 9.74 min Scan# 1312
 Delta R.T. -0.21 min
 Lab File: VY001721.D
 Acq: 20 Feb 2020 14:05

Instrument :
 MSVOA_Y
 ClientSampled :

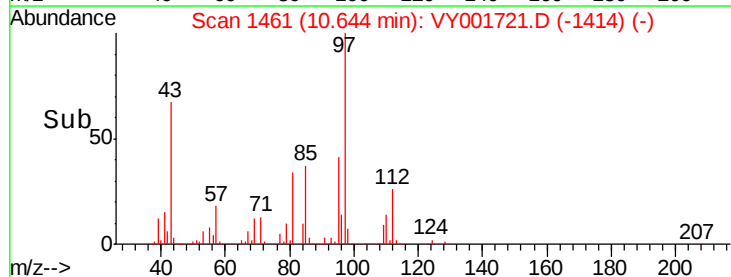
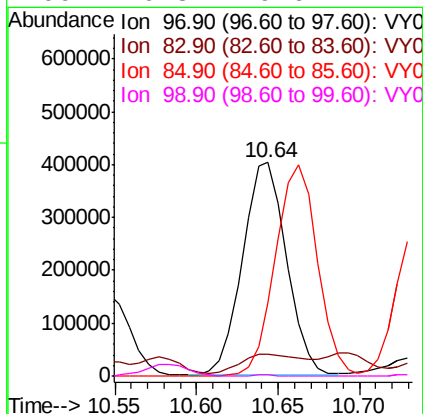
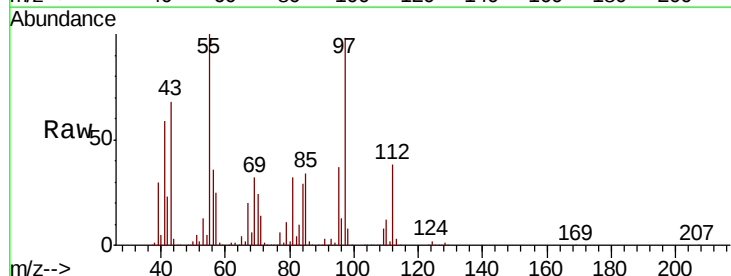
Tot Ion: 75 Resp: 3876
 Ion Ratio Lower Upper
 75 100
 77 4183.0 25.7 38.5#
 39 7969.8 35.7 53.5#

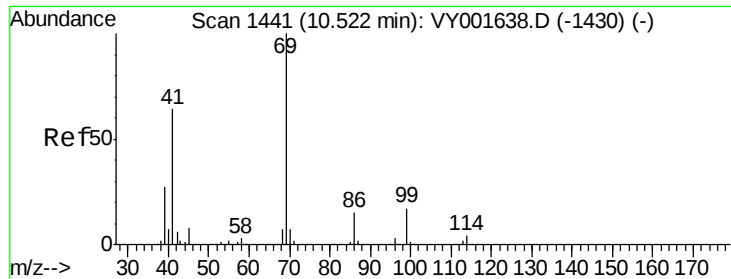


#55

1,1,2-Trichloroethane
 Concen: 522.296 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY001721.D
 Acq: 20 Feb 2020 14:05

Tgt Ion: 97 Resp: 757902
 Ion Ratio Lower Upper
 97 100
 83 7.2 69.7 104.5#
 85 34.2 44.5 66.7#
 99 0.3 49.6 74.4#

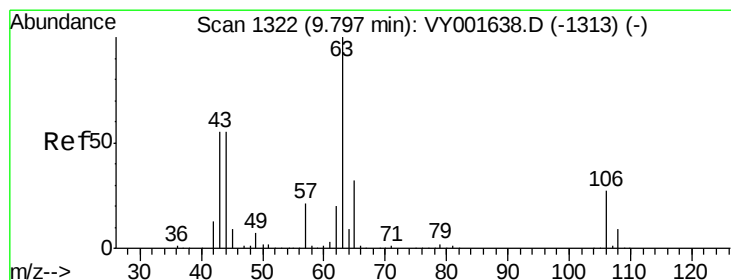
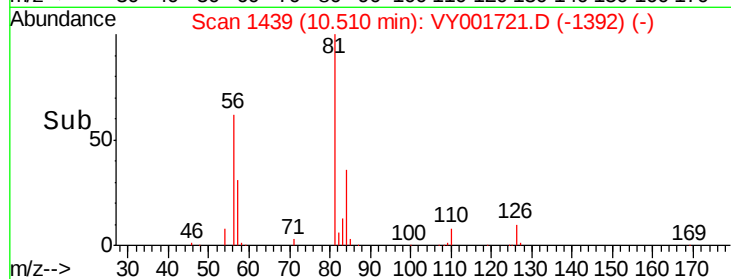
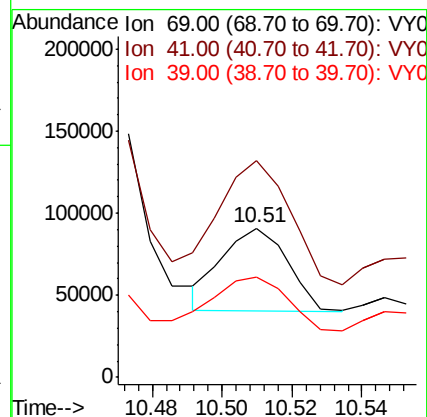
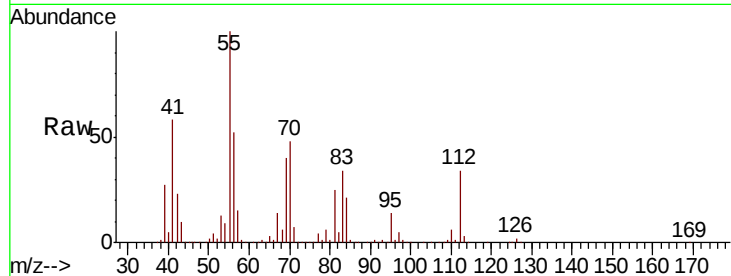




#56
Ethyl methacrylate
Concen: 30.092 ug/l
RT: 10.51 min Scan# 1439
Delta R.T. -0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

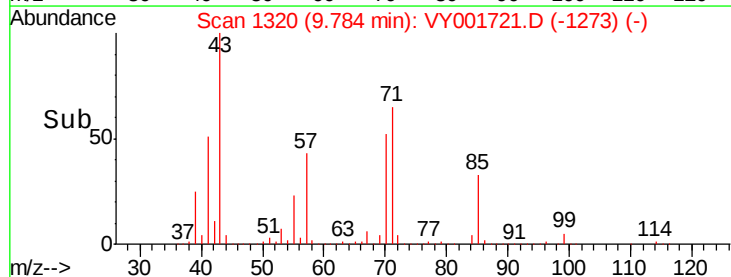
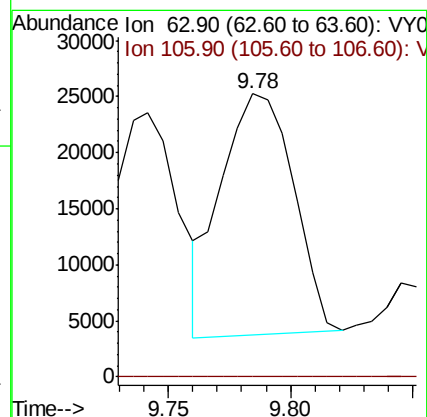
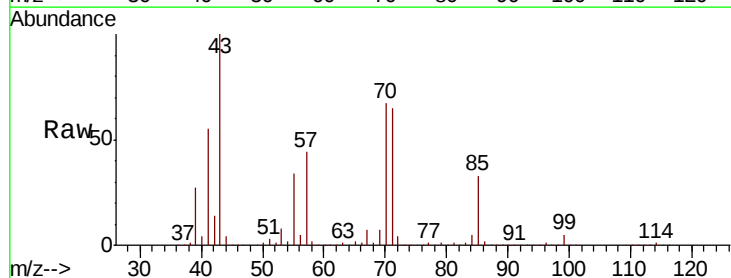
Instrument :
MSVOA_Y
ClientSampleId :

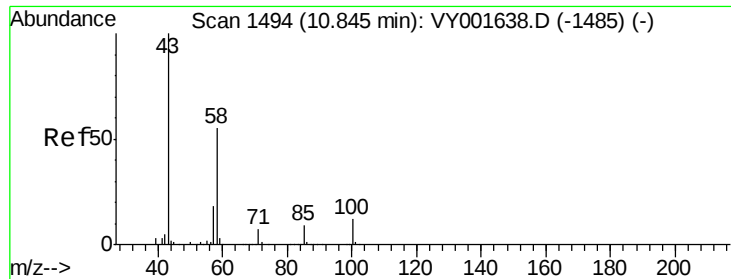
Tot Ion: 69 Resp: 65507
Ion Ratio Lower Upper
69 100
41 177.0 51.0 76.4#
39 0.0 24.7 37.1#



#58
2-Chloroethyl Vinyl ether
Concen: 37.687 ug/l
RT: 9.78 min Scan# 1320
Delta R.T. -0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion: 63 Resp: 44147
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

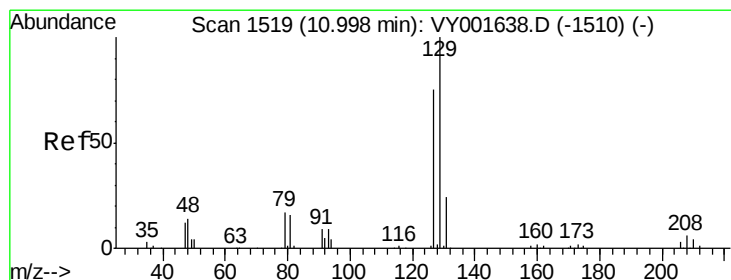
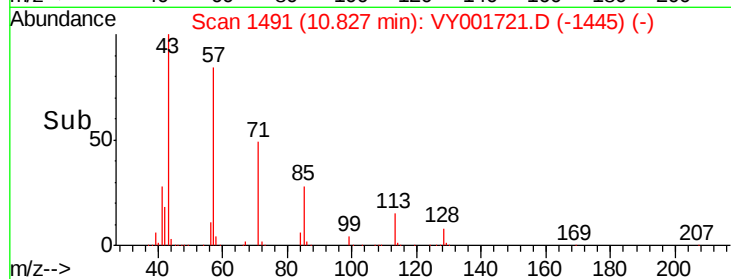
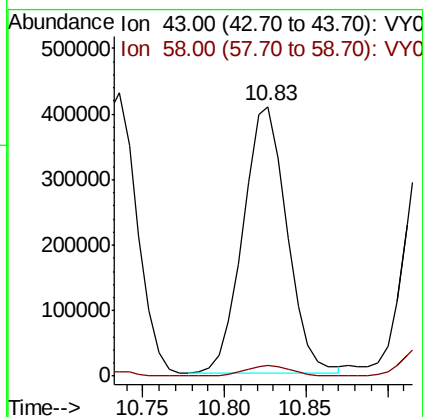
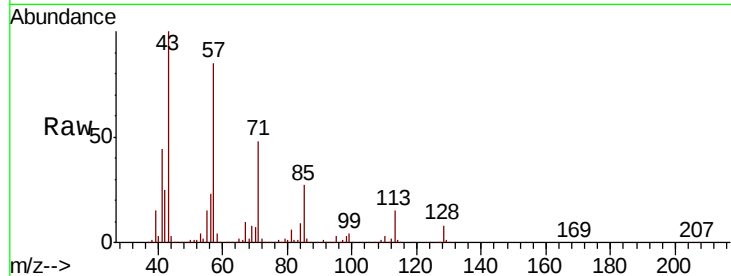




#59
2-Hexanone
Concen: 688.185 ug/l
RT: 10.83 min Scan# 1491
Delta R.T. -0.02 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

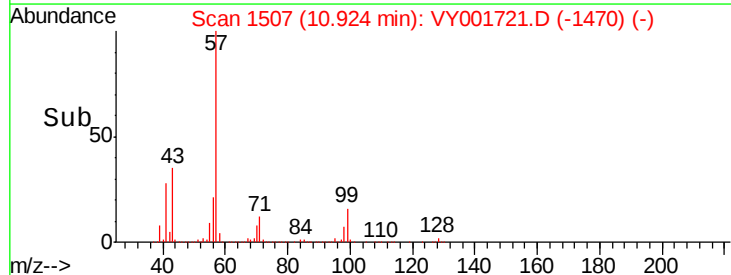
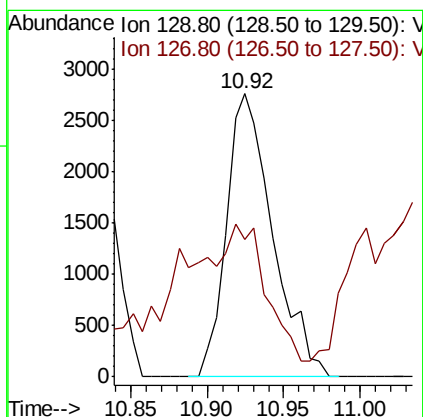
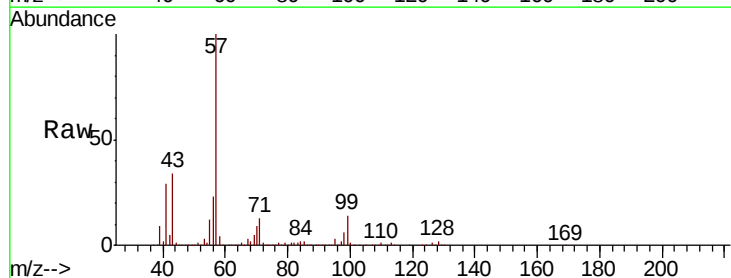
Instrument :
MSVOA_Y
ClientSampleId :

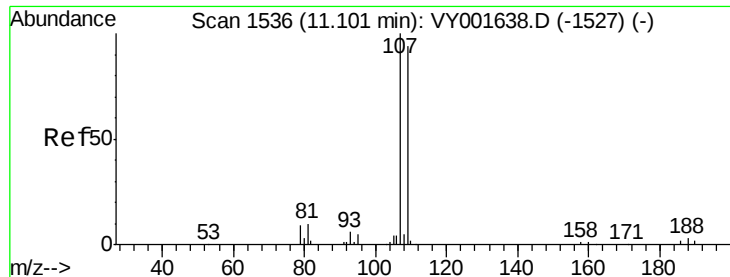
Tot Ion: 43 Resp: 767455
Ion Ratio Lower Upper
43 100
58 4.1 28.4 85.2#



#60
Dibromochloromethane
Concen: 3.603 ug/l
RT: 10.92 min Scan# 1507
Delta R.T. -0.07 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion:129 Resp: 5764
Ion Ratio Lower Upper
129 100
127 41.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 1.704 ug/l

RT: 11.08 min Scan# 1533

Delta R.T. -0.02 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

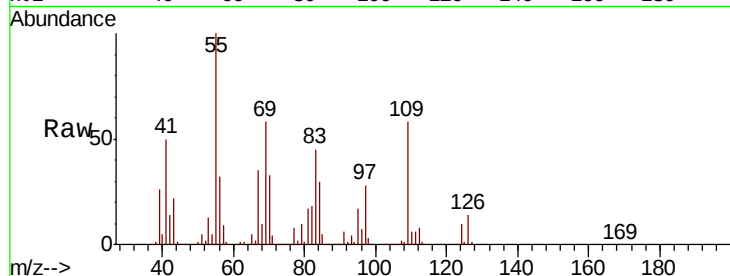
ClientSampleId :

Tot Ion:107 Resp: 2338

Ion Ratio Lower Upper

107 100

109 5168.7 74.2 111.4#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

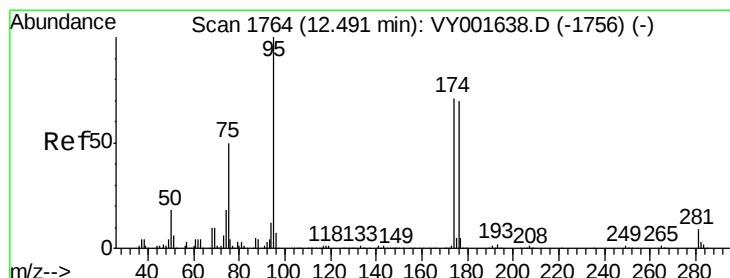
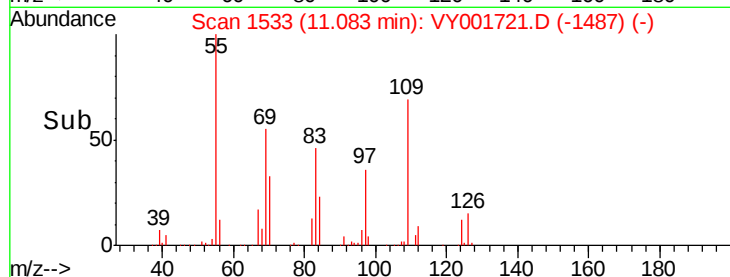
40000

20000

0

11.05 11.10

Time-->



#62

4-Bromofluorobenzene

Concen: 69.547 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

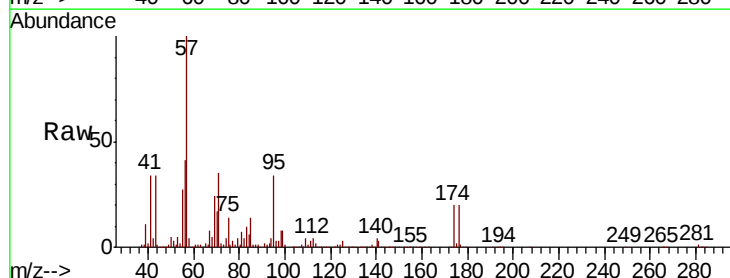
Tgt Ion: 95 Resp: 162133

Ion Ratio Lower Upper

95 100

174 52.5 0.0 138.4

176 51.0 0.0 131.8



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

120000

100000

80000

60000

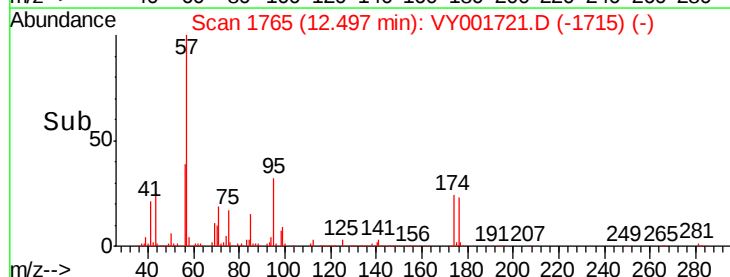
40000

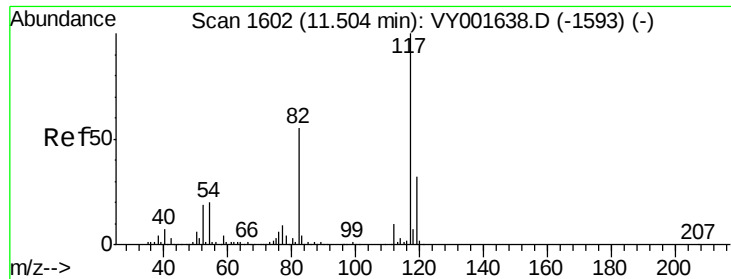
20000

0

12.45 12.50 12.55

Time-->

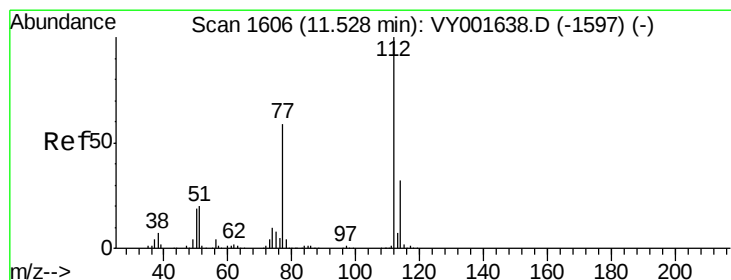
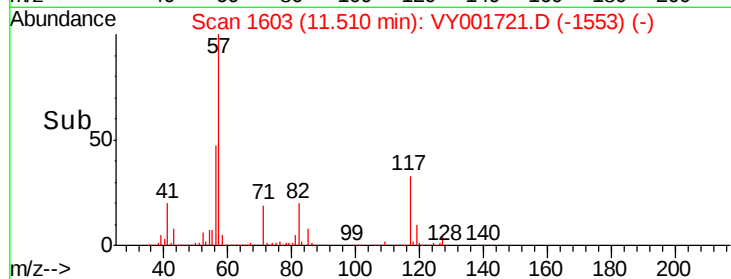
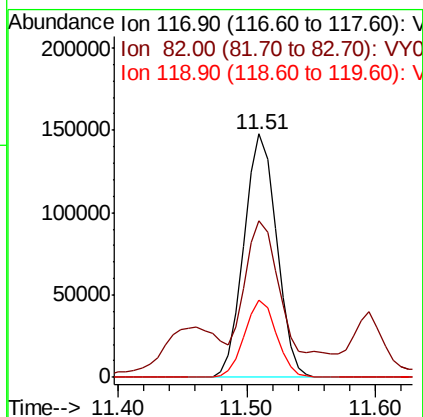
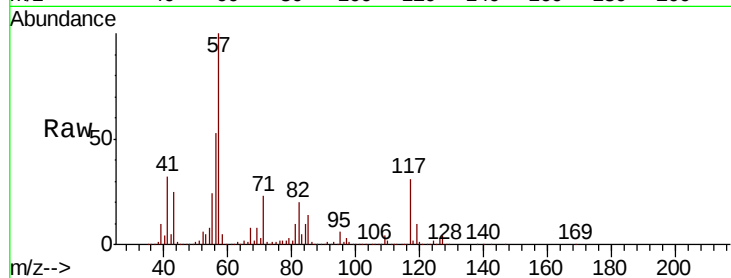




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

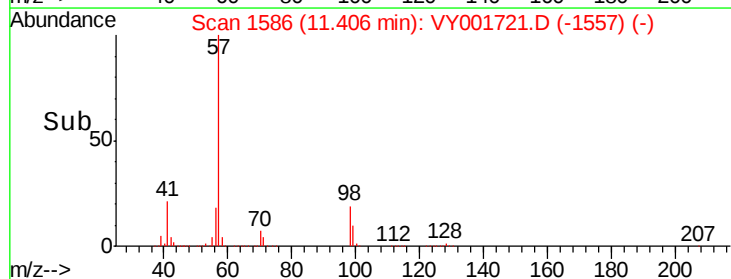
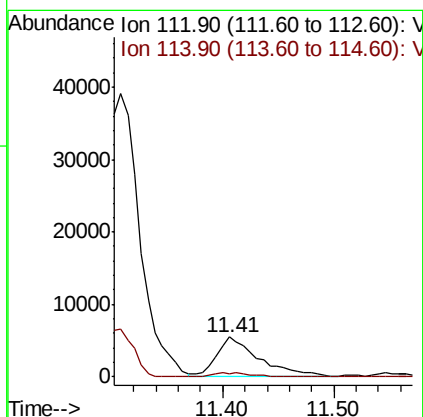
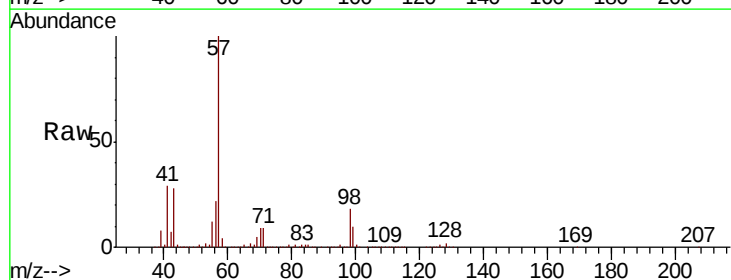
Instrument :
MSVOA_Y
ClientSampleId :

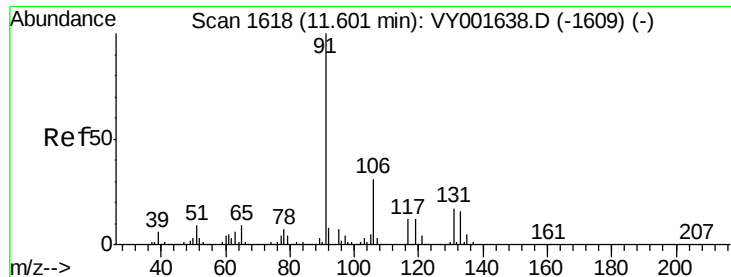
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	45.5	68.3
119	31.5	25.8	38.6



#65
Chlorobenzene
Concen: 2.714 ug/l
RT: 11.41 min Scan# 1586
Delta R.T. -0.12 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	9.5	25.4	38.2





#67

Ethyl Benzene

Concen: 2482.646 ug/l

RT: 11.61 min Scan# 1620

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

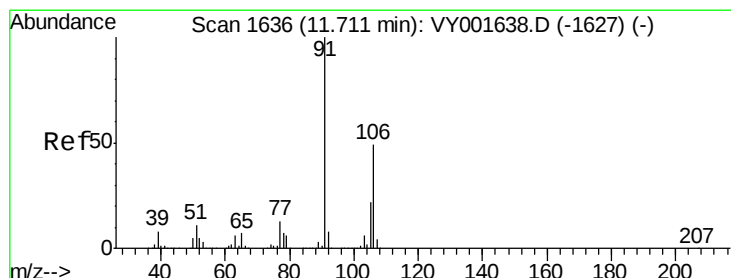
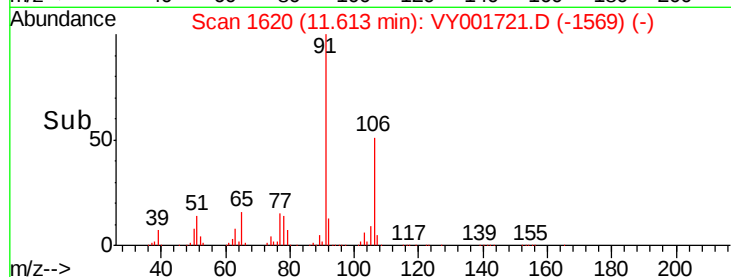
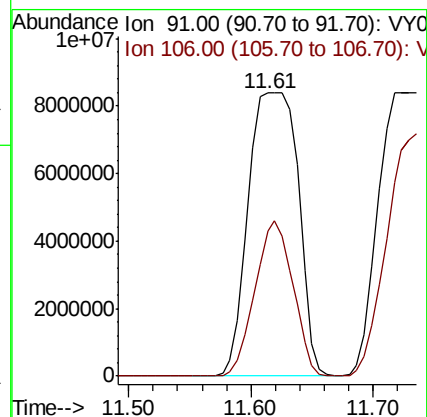
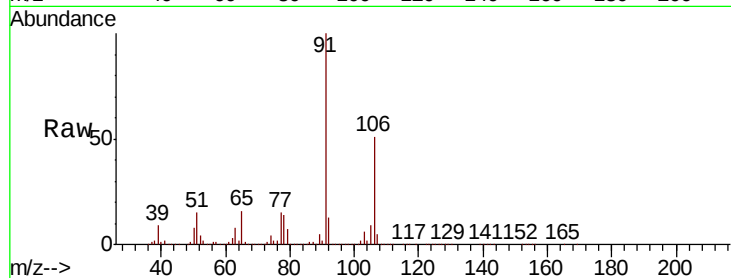
ClientSampled :

Tot Ion: 91 Resp:23758012

Ion Ratio Lower Upper

91 100

106 51.1 24.5 36.7#



#68

m/p-Xylenes

Concen: 6812.248 ug/l

RT: 11.74 min Scan# 1641

Delta R.T. 0.03 min

Lab File: VY001721.D

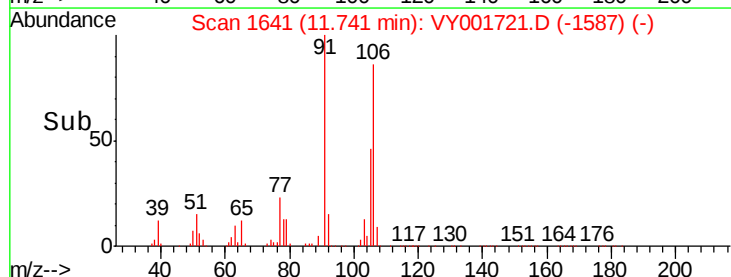
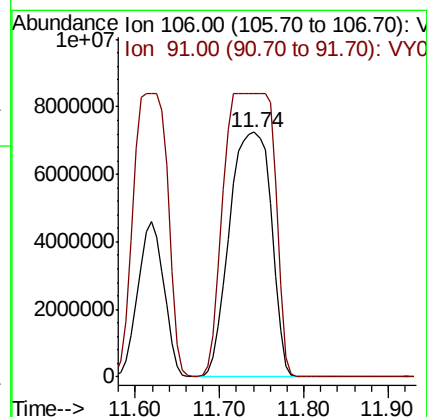
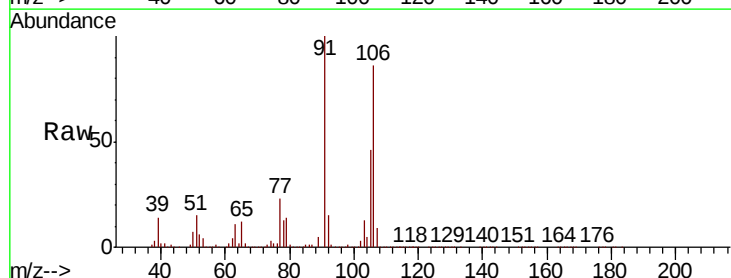
Acq: 20 Feb 2020 14:05

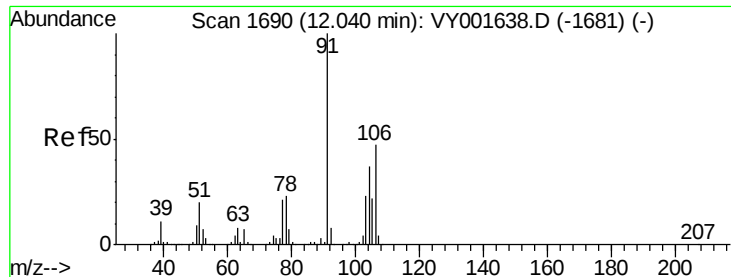
Tgt Ion:106 Resp:24351696

Ion Ratio Lower Upper

106 100

91 0.0 163.3 244.9#

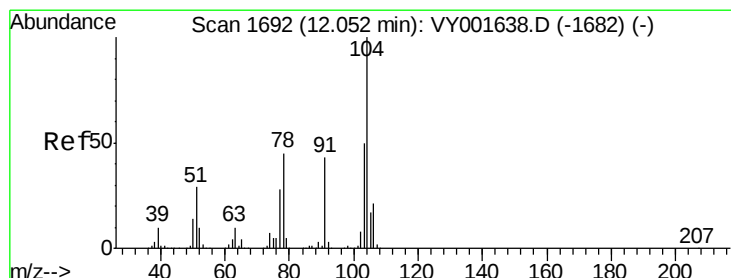
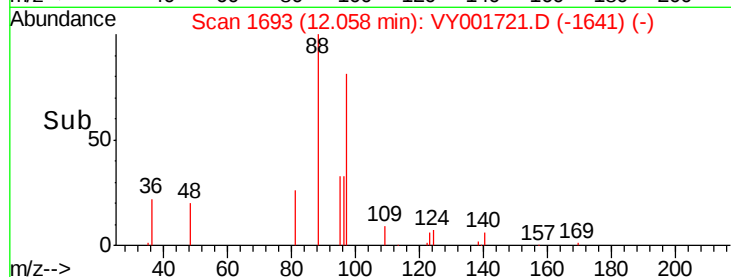
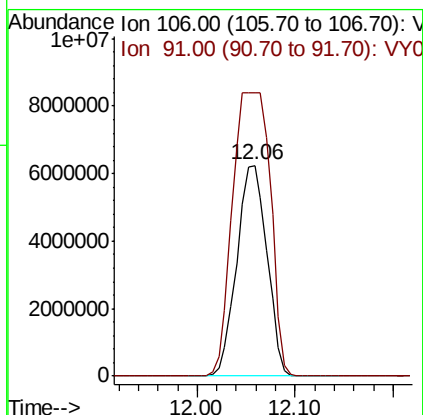
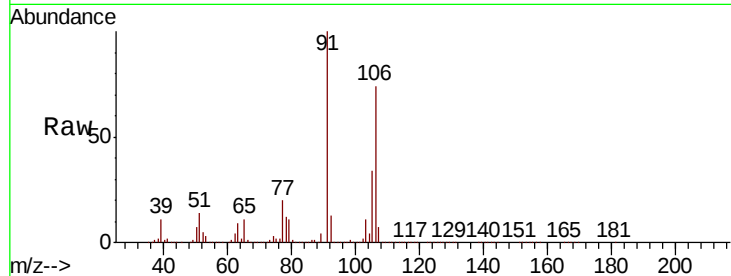




#69
o-Xylene
Concen: 3930.342 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.02 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

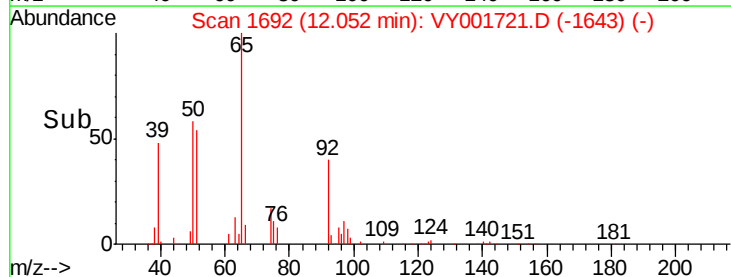
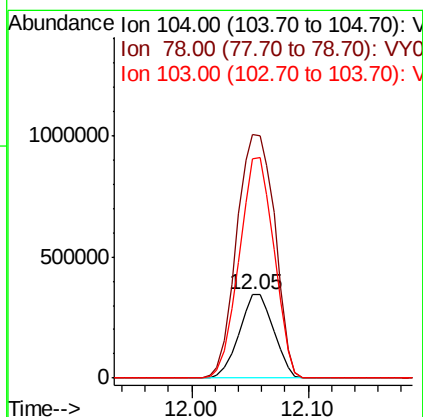
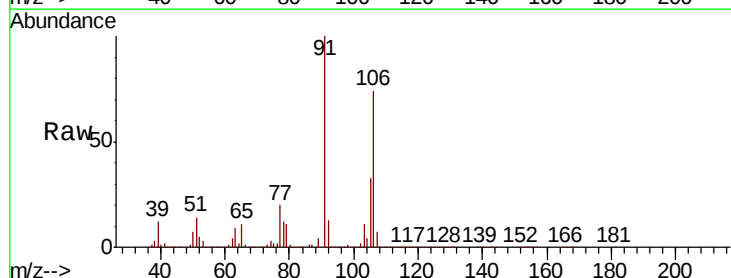
Instrument :
MSVOA_Y
ClientSampleId :

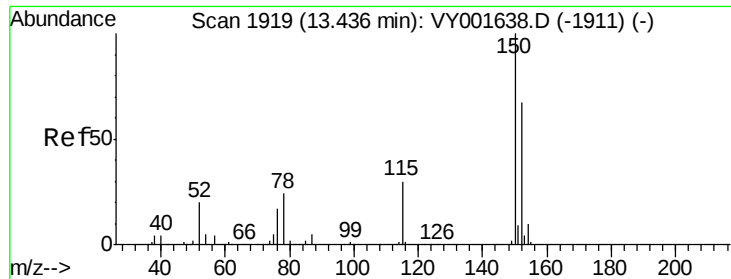
Tot Ion:106 Resp:13357042
Ion Ratio Lower Upper
106 100
91 168.7 108.3 324.9



#70
Styrene
Concen: 120.167 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion:104 Resp: 709735
Ion Ratio Lower Upper
104 100
78 321.4 39.2 58.8#
103 268.7 43.0 64.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

ClientSampleId :

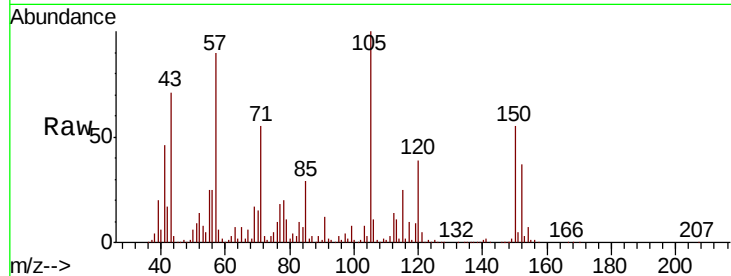
Tot Ion:152 Resp: 115973

Ion Ratio Lower Upper

152 100

115 0.0 31.4 94.2#

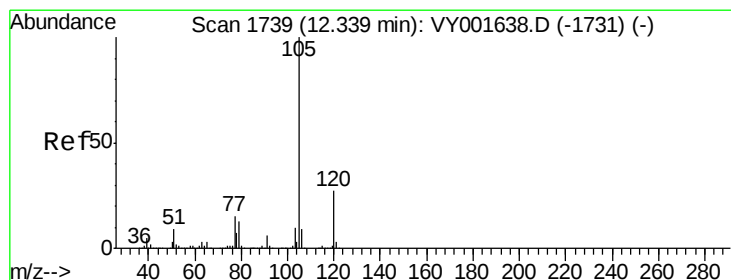
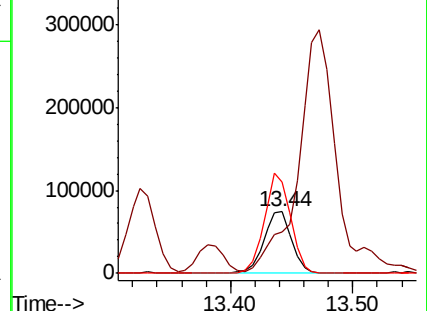
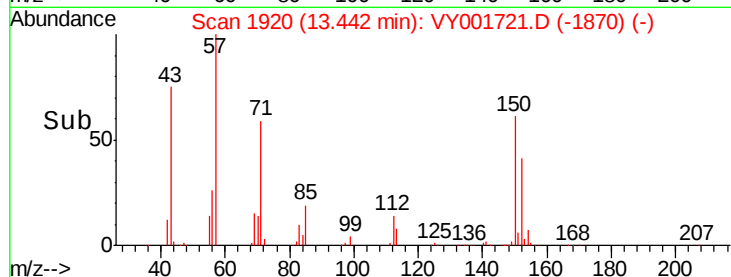
150 154.1 0.0 407.2



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: 644.018 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY001721.D

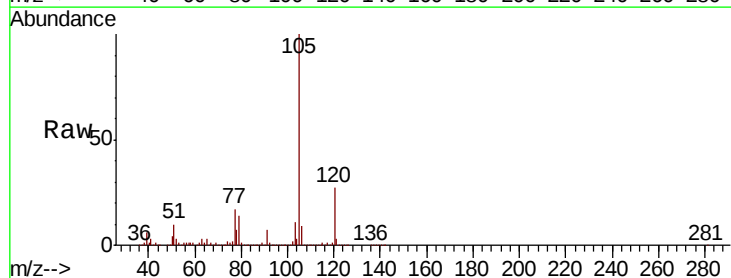
Acq: 20 Feb 2020 14:05

Tgt Ion:105 Resp: 5689944

Ion Ratio Lower Upper

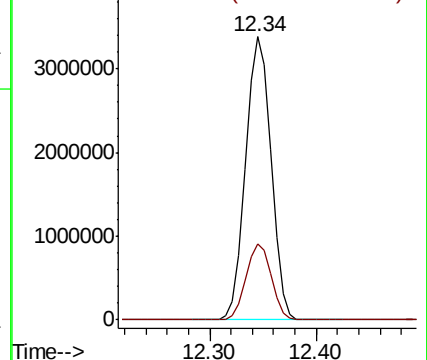
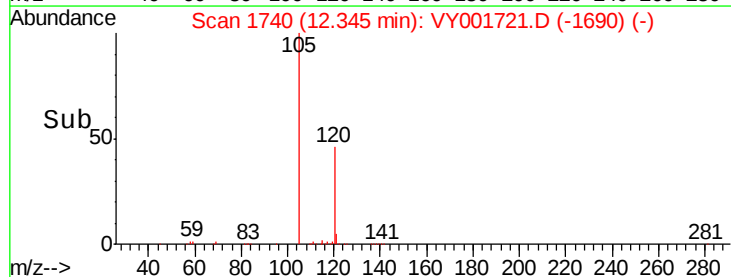
105 100

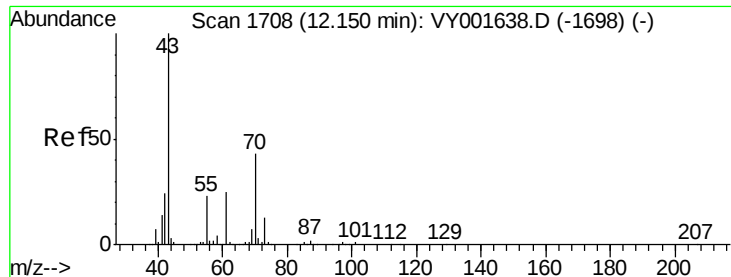
120 26.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 107.224 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 43 Resp: 302334

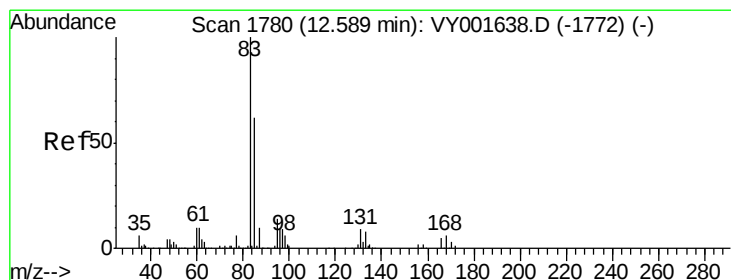
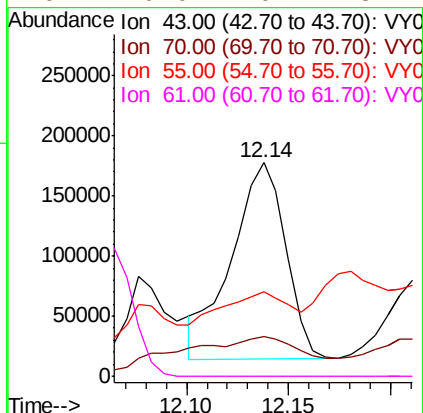
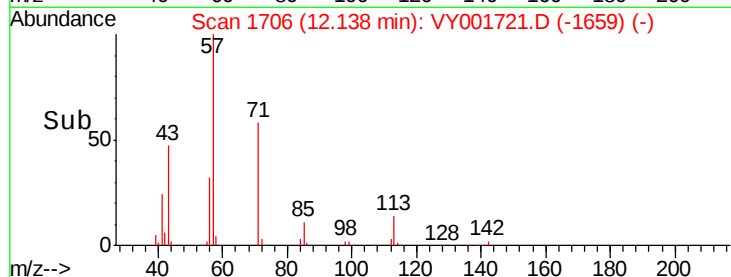
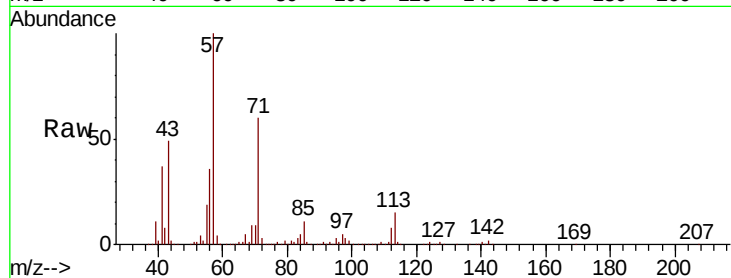
Ion Ratio Lower Upper

43 100

70 37.1 35.9 53.9

55 18.9 18.3 27.5

61 0.0 20.7 31.1#



#75

1,1,2,2-Tetrachloroethane

Concen: 13.077 ug/l

RT: 12.55 min Scan# 1773

Delta R.T. -0.04 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

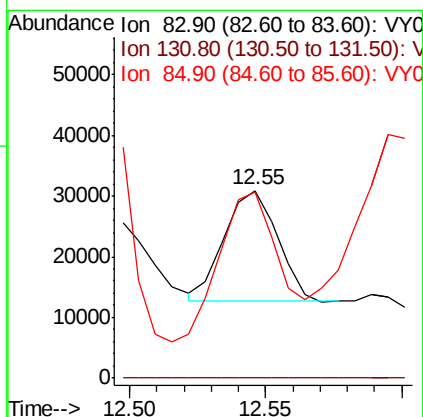
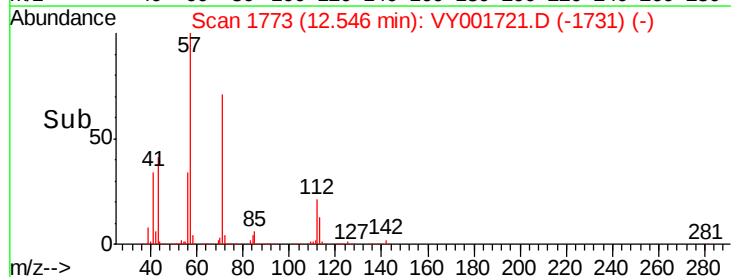
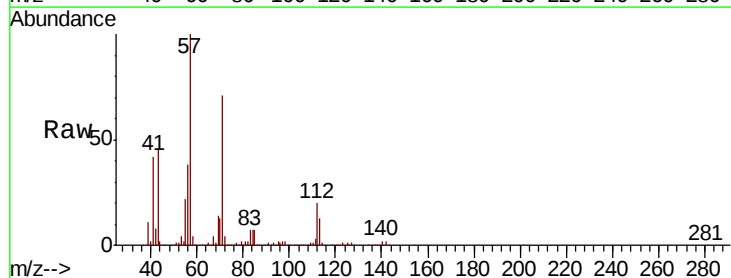
Tgt Ion: 83 Resp: 24670

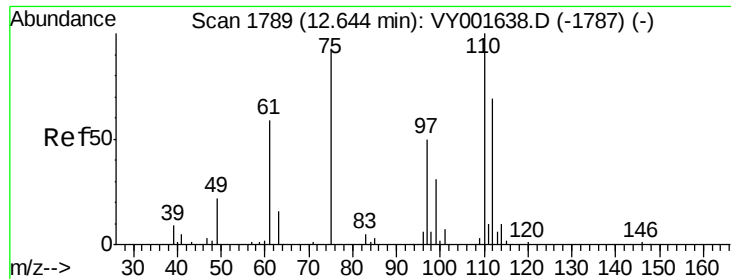
Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 157.0 31.6 94.7#





#76

1,2,3-Trichloropropane

Concen: 88.319 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.04 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

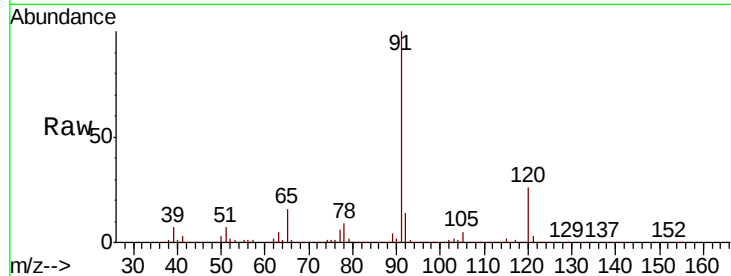
ClientSampleId :

Tot Ion: 75 Resp: 117496

Ion Ratio Lower Upper

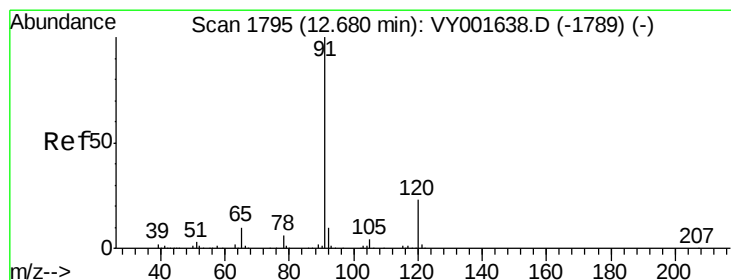
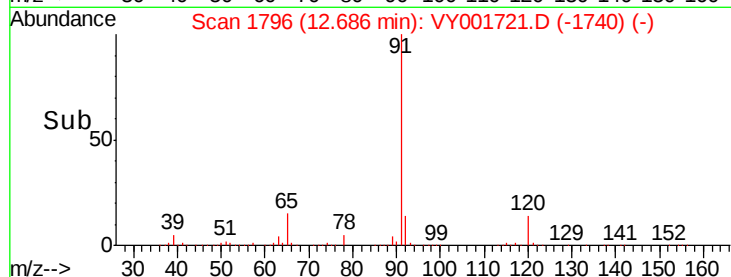
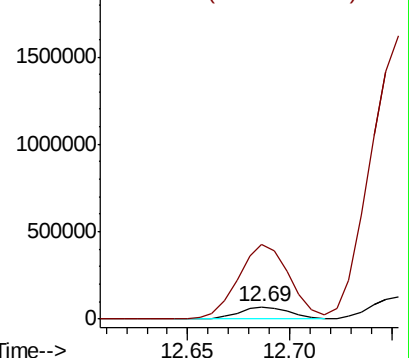
75 100

77 624.4 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: 1397.880 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY001721.D

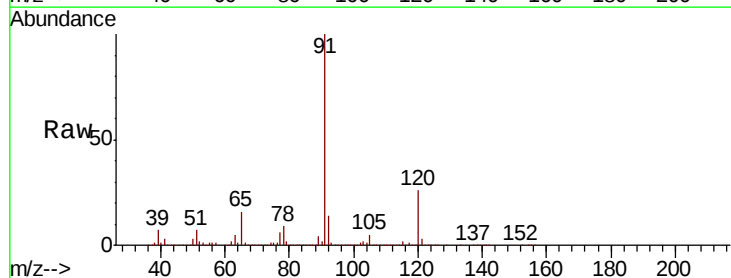
Acq: 20 Feb 2020 14:05

Tgt Ion: 91 Resp:15041613

Ion Ratio Lower Upper

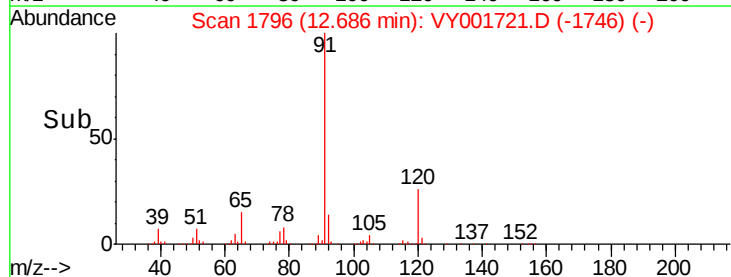
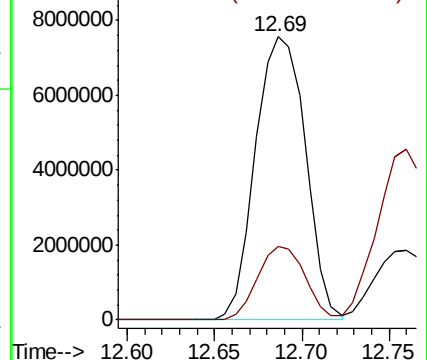
91 100

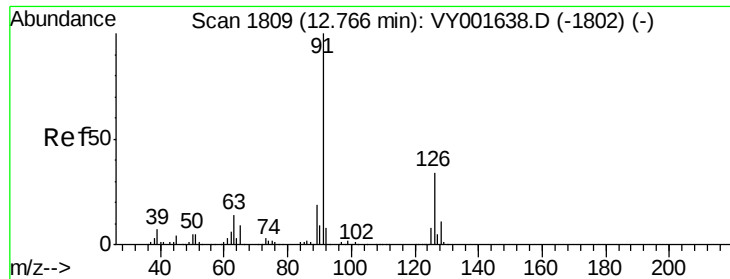
120 24.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

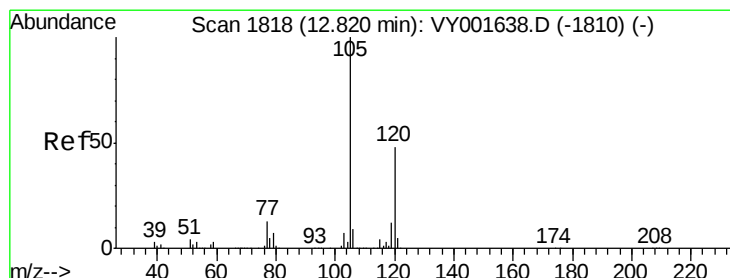
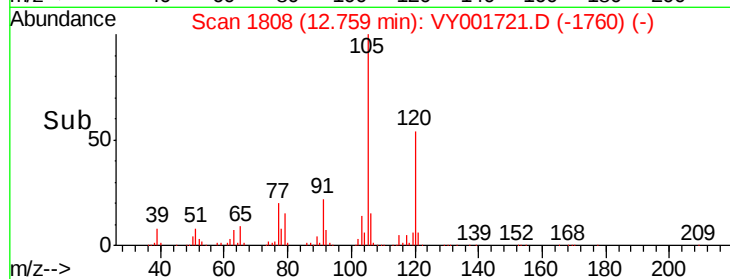
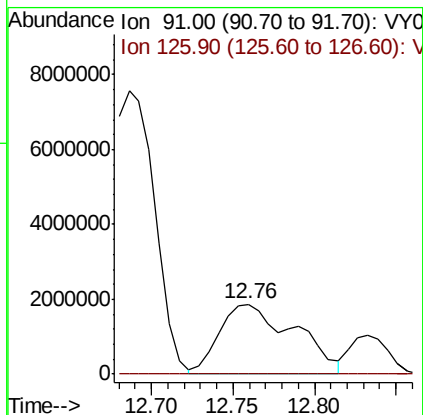
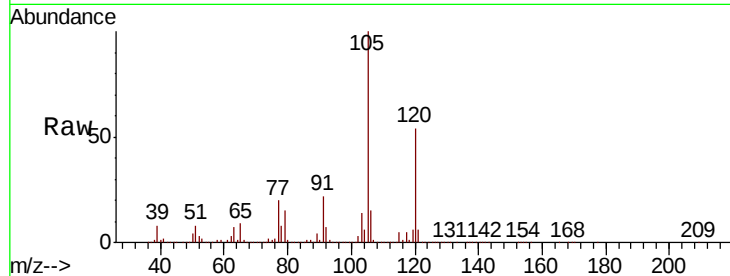




#79
 2-Chlorotoluene
 Concen: 996.641 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VY001721.D
 Acq: 20 Feb 2020 14:05

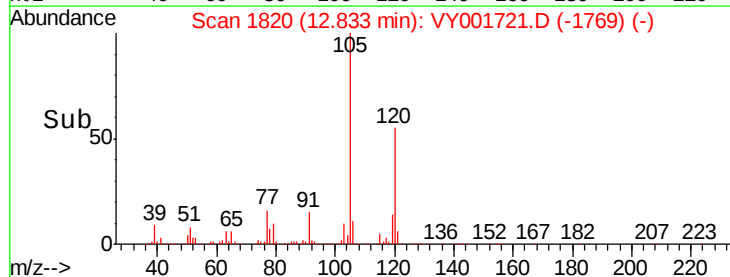
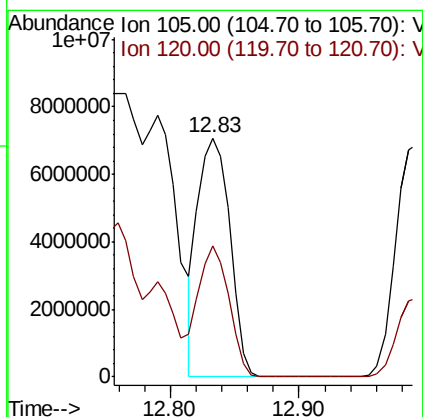
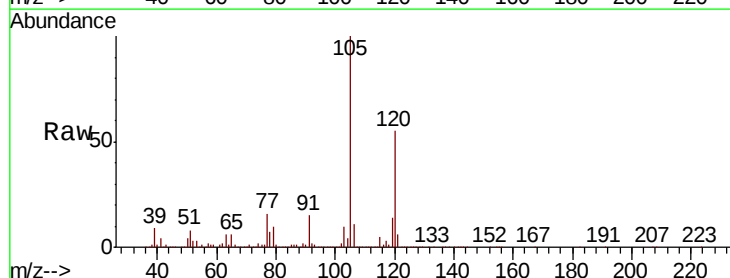
Instrument :
 MSVOA_Y
 ClientSampleId :

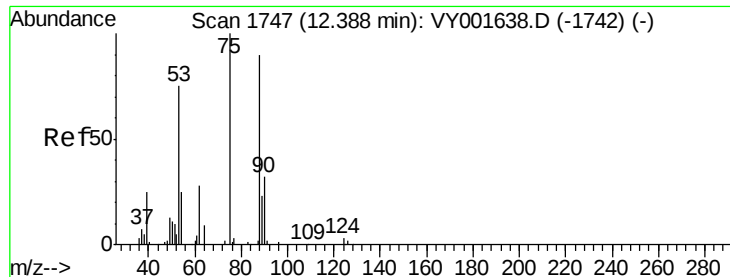
Tot Ion: 91 Resp: 6014809
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.2 48.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 1670.280 ug/l
 RT: 12.83 min Scan# 1820
 Delta R.T. 0.01 min
 Lab File: VY001721.D
 Acq: 20 Feb 2020 14:05

Tgt Ion: 105 Resp: 12215606
 Ion Ratio Lower Upper
 105 100
 120 55.1 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 98.961 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. -0.04 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

ClientSampleId :

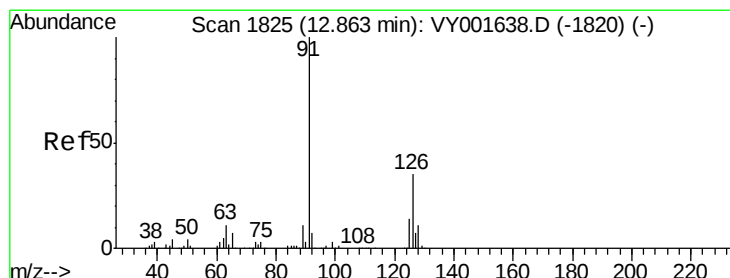
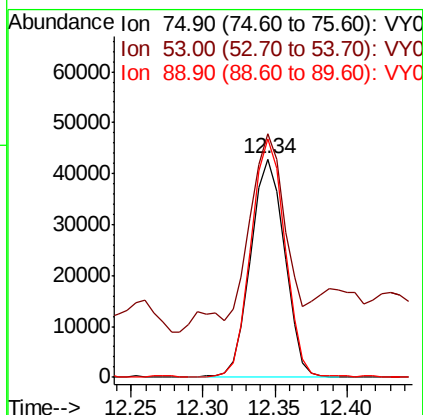
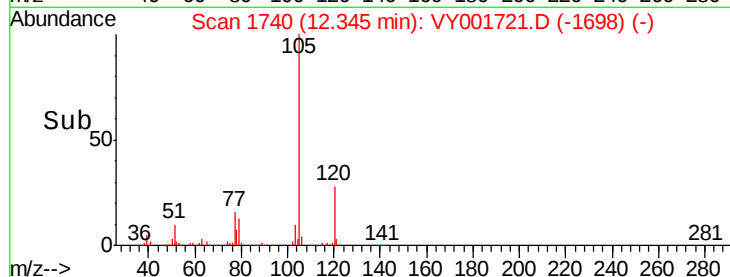
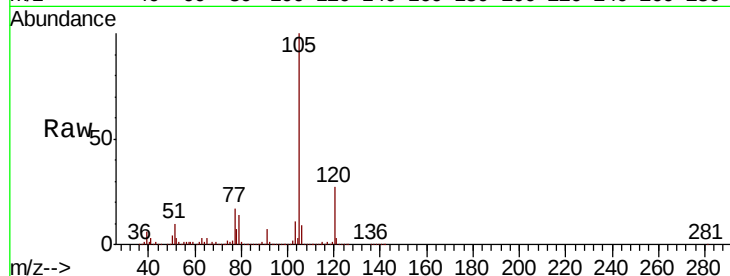
Tot Ion: 75 Resp: 69395

Ion Ratio Lower Upper

75 100

53 85.0 64.5 96.7

89 109.1 36.3 54.5#



#82

4-Chlorotoluene

Concen: 264.420 ug/l

RT: 12.83 min Scan# 1820

Delta R.T. -0.03 min

Lab File: VY001721.D

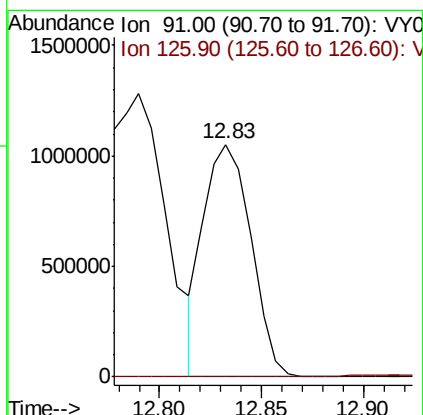
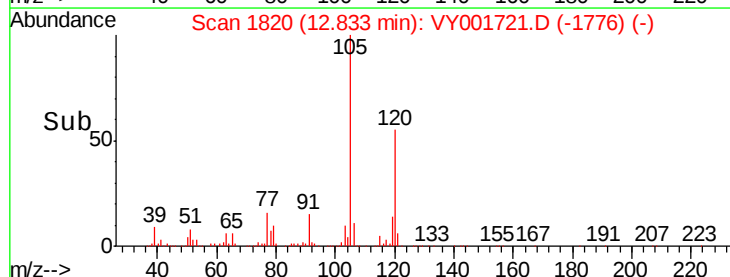
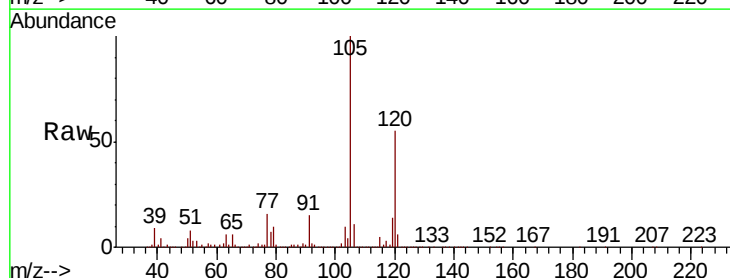
Acq: 20 Feb 2020 14:05

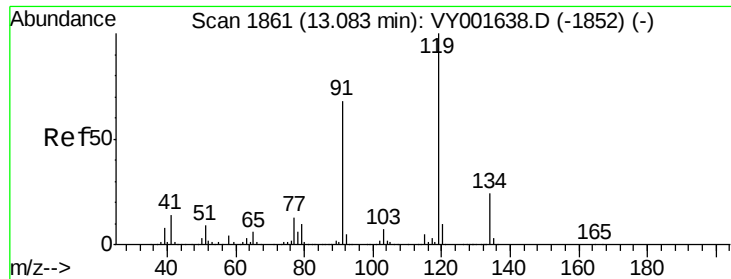
Tgt Ion: 91 Resp: 1683074

Ion Ratio Lower Upper

91 100

126 0.1 16.2 48.6#





#83

tert-Butylbenzene

Concen: 714.213 ug/l

RT: 13.14 min Scan# 1871

Delta R.T. 0.06 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

ClientSampleId :

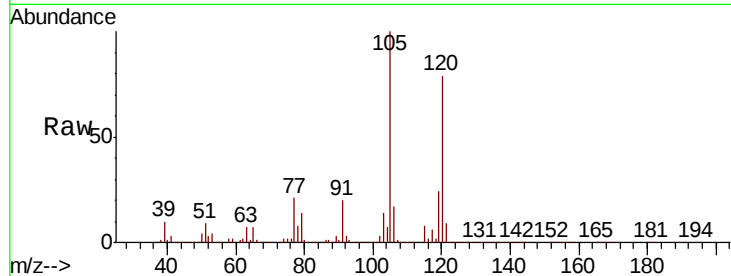
Tot Ion:119 Resp: 4368659

Ion Ratio Lower Upper

119 100

91 91.5 33.5 100.5

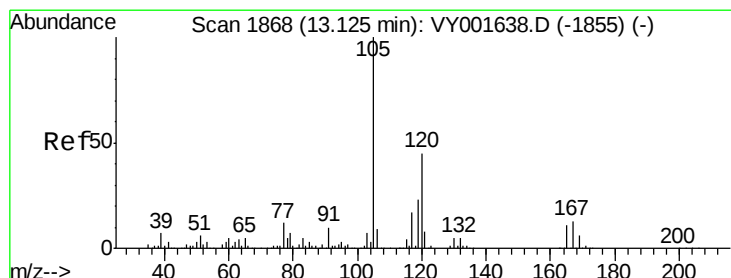
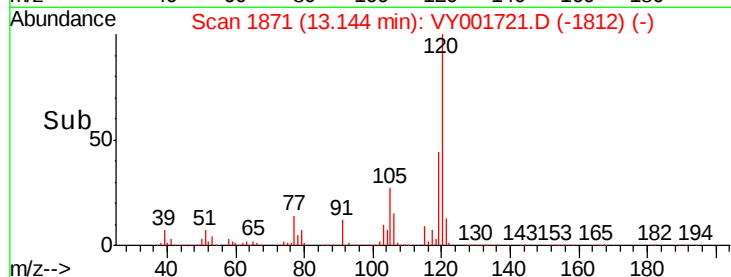
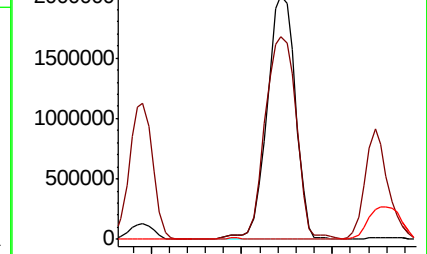
134 0.0 13.3 39.8#



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: 1854.343 ug/l

RT: 12.99 min Scan# 1846

Delta R.T. -0.13 min

Lab File: VY001721.D

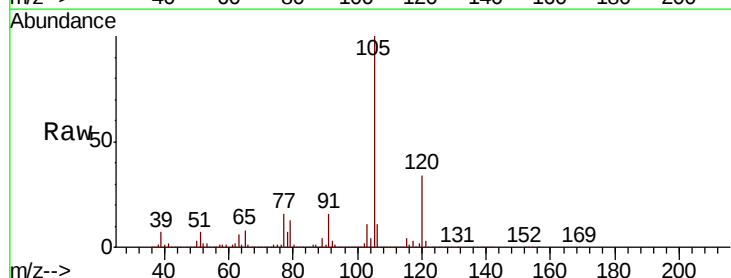
Acq: 20 Feb 2020 14:05

Tgt Ion:105 Resp:13520474

Ion Ratio Lower Upper

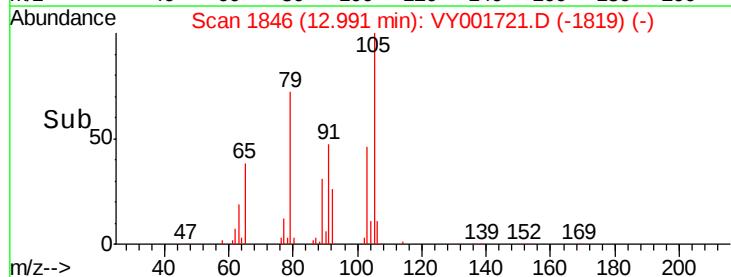
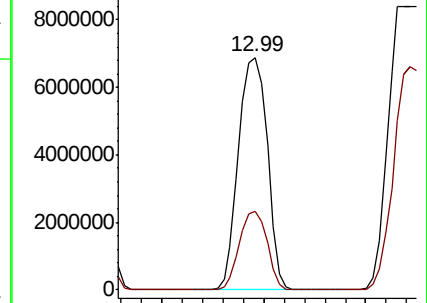
105 100

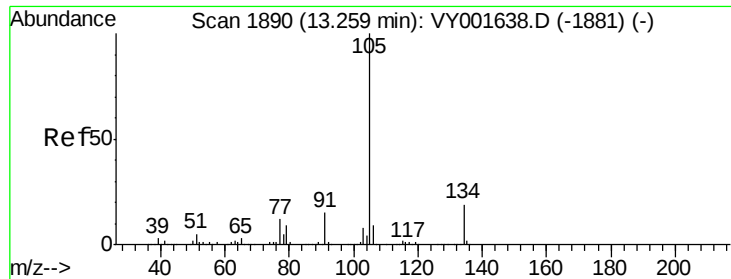
120 32.5 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 188.098 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

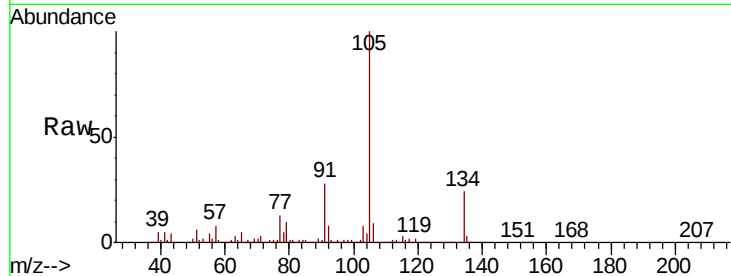
ClientSampleId :

Tot Ion:105 Resp: 1692152

Ion Ratio Lower Upper

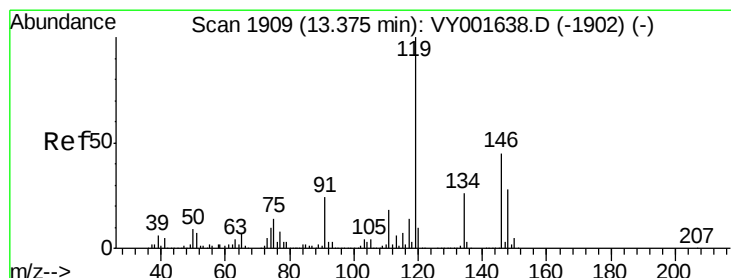
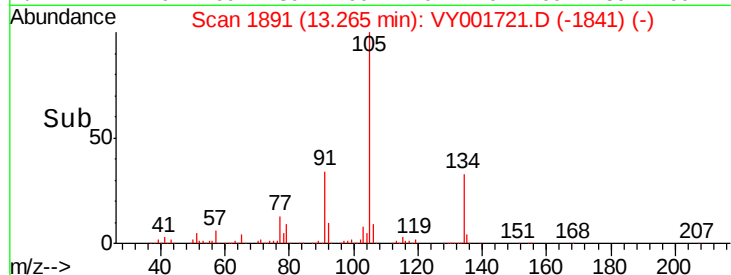
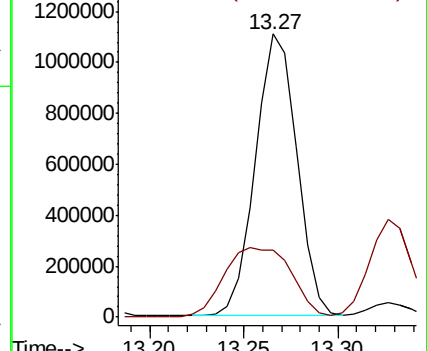
105 100

134 39.8 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 86.280 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

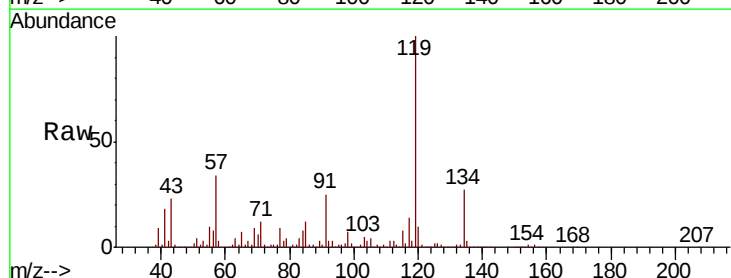
Tgt Ion:119 Resp: 674301

Ion Ratio Lower Upper

119 100

134 26.9 13.0 39.0

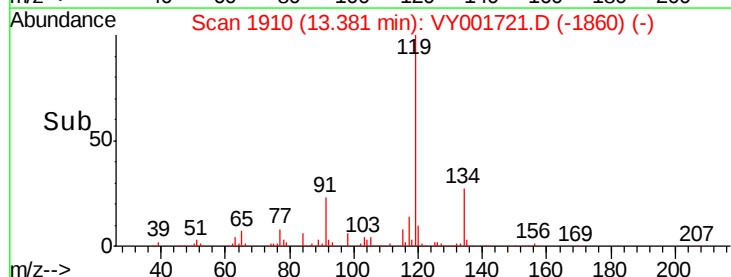
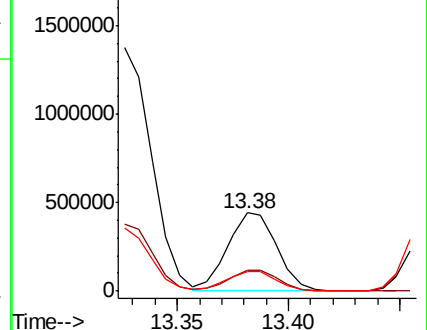
91 25.3 12.2 36.6

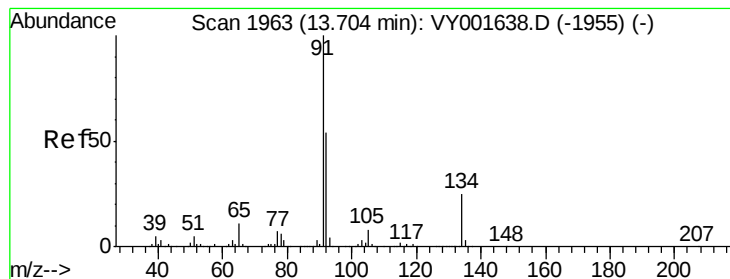


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#89

n-Butylbenzene

Concen: 265.436 ug/l

RT: 13.71 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

ClientSampled :

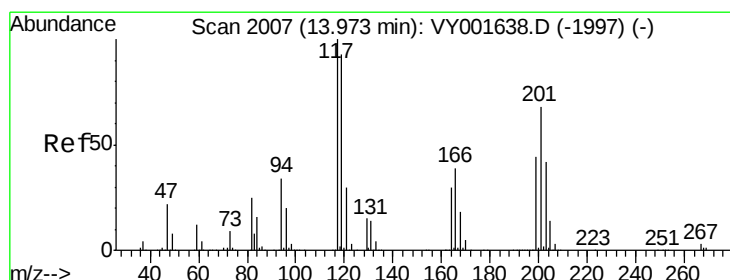
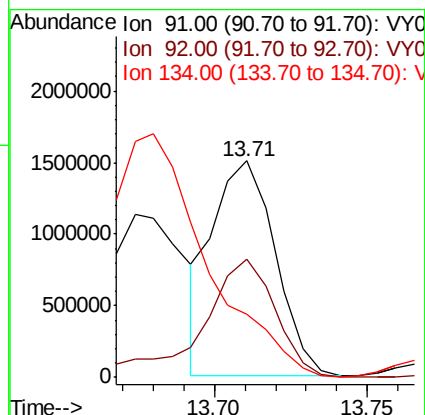
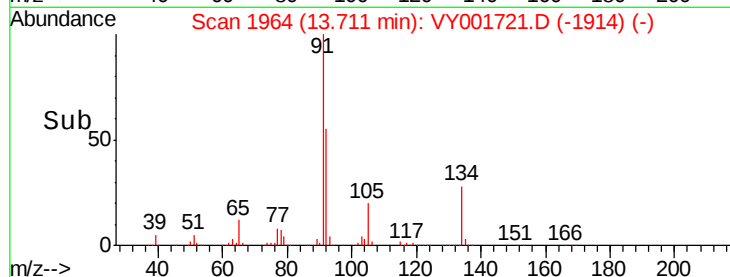
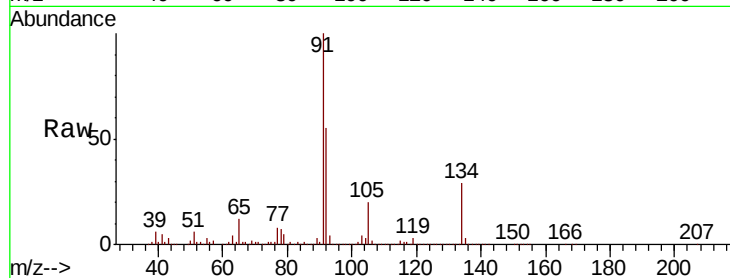
Tot Ion: 91 Resp: 2119692

Ion Ratio Lower Upper

91 100

92 64.3 27.5 82.4

134 0.0 12.4 37.4#



#90

Hexachloroethane

Concen: 509.327 ug/l

RT: 13.98 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VY001721.D

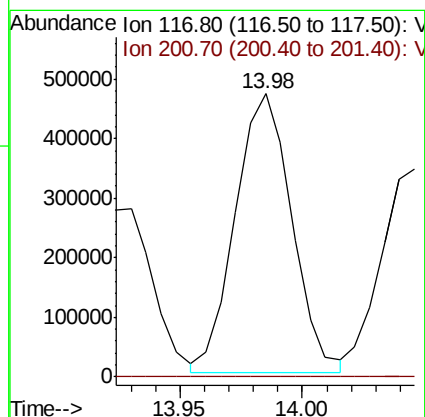
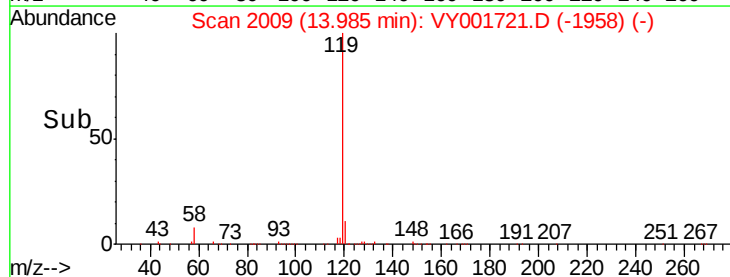
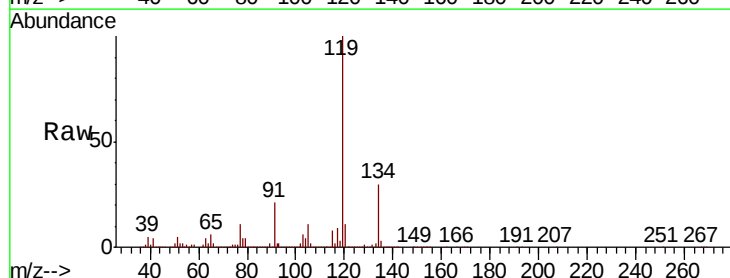
Acq: 20 Feb 2020 14:05

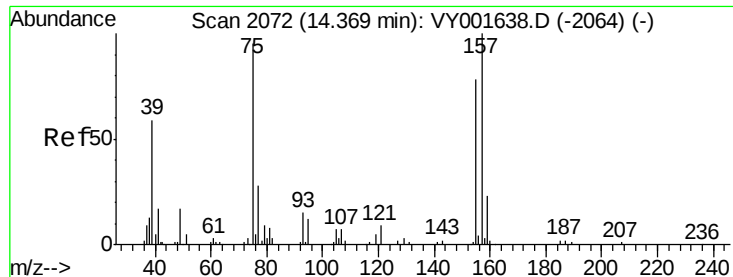
Tgt Ion: 117 Resp: 749965

Ion Ratio Lower Upper

117 100

201 0.0 32.5 97.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 22.519 ug/l

RT: 14.39 min Scan# 2076

Delta R.T. 0.02 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

ClientSampled :

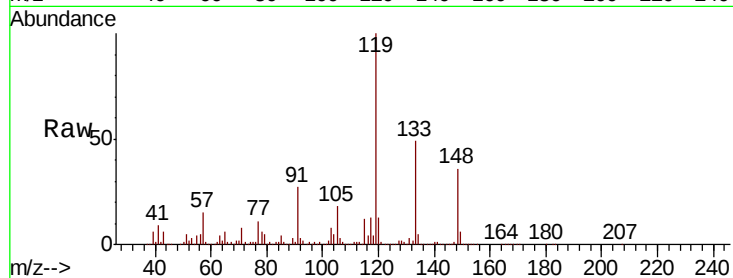
Tot Ion: 75 Resp: 7011

Ion Ratio Lower Upper

75 100

155 4.9 40.8 122.4#

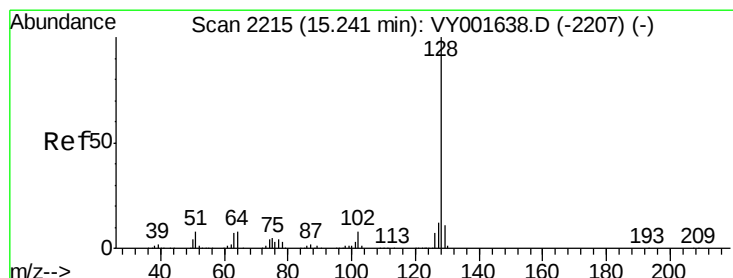
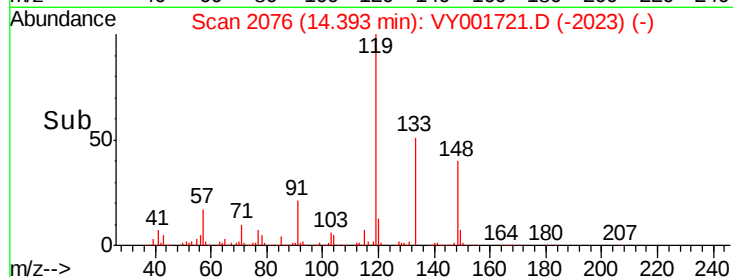
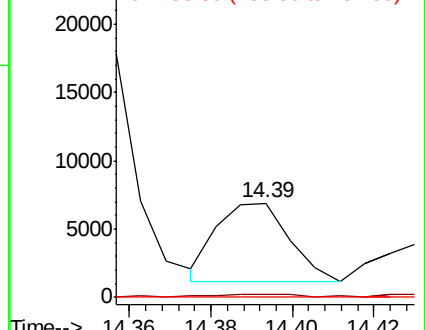
157 0.0 52.1 156.4#



Abundance Ion 74.90 (74.60 to 75.60): VY001638.D (-2064) (-)

Ion 154.80 (154.50 to 155.50): VY001638.D (-2064) (-)

Ion 156.80 (156.50 to 157.50): VY001638.D (-2064) (-)



#95

Naphthalene

Concen: 1443.569 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

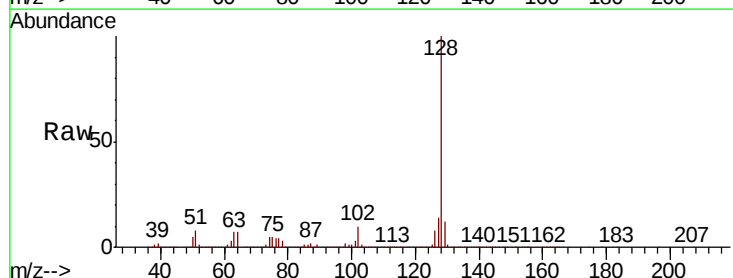
Tgt Ion: 128 Resp: 7560989

Ion Ratio Lower Upper

128 100

127 13.2 9.9 14.9

129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VY001638.D (-2207) (-)

Ion 127.00 (126.70 to 127.70): VY001638.D (-2207) (-)

Ion 129.00 (128.70 to 129.70): VY001638.D (-2207) (-)

