

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002012.D
 Acq On : 19 Mar 2020 11:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 20 01:53:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	162462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	291086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	261384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	121656	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	88527	51.04	ug/l	0.00
Spiked Amount						
			Recovery	=	102.08%	
35) Dibromofluoromethane	7.75	113	84267	53.02	ug/l	0.00
Spiked Amount						
			Recovery	=	106.04%	
50) Toluene-d8	10.19	98	345930	51.61	ug/l	0.00
Spiked Amount						
			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.49	95	121681	52.21	ug/l	0.00
Spiked Amount						
			Recovery	=	104.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	61260	40.850	ug/l	98
3) Chloromethane	2.13	50	85321	42.199	ug/l	100
4) Vinyl Chloride	2.27	62	90920	44.209	ug/l	98
5) Bromomethane	2.67	94	60425	50.345	ug/l	99
6) Chloroethane	2.82	64	58635	45.387	ug/l	94
7) Trichlorofluoromethane	3.15	101	125068	44.841	ug/l	93
8) Diethyl Ether	3.56	74	52320	47.595	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.93	101	85154	47.468	ug/l	99
10) Methyl Iodide	4.13	142	103114	49.704	ug/l	99
11) Tert butyl alcohol	4.99	59	53269	299.619	ug/l	96
12) 1,1-Dichloroethene	3.91	96	83954	46.479	ug/l	97
13) Acrolein	3.76	56	63059	258.732	ug/l	97
14) Allyl chloride	4.52	41	149831	46.790	ug/l	99
15) Acrylonitrile	5.21	53	138534	235.837	ug/l	99
16) Acetone	3.98	43	146875	290.750	ug/l	97
17) Carbon Disulfide	4.23	76	258566	42.583	ug/l	98
18) Methyl Acetate	4.52	43	60320	46.473	ug/l	100
19) Methyl tert-butyl Ether	5.26	73	235311	48.073	ug/l	97
20) Methylene Chloride	4.75	84	106300	49.099	ug/l	97
21) trans-1,2-Dichloroethene	5.26	96	93909	45.805	ug/l	99
22) Diisopropyl ether	6.16	45	311677	47.483	ug/l	96
23) Vinyl Acetate	6.10	43	1017895	236.549	ug/l	98
24) 1,1-Dichloroethane	6.06	63	168782	47.483	ug/l	99
25) 2-Butanone	7.02	43	195720	254.775	ug/l	96
26) 2,2-Dichloropropane	7.02	77	144471	49.519	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	107004	47.981	ug/l	99
28) Bromochloromethane	7.37	49	83022	51.817	ug/l	100
29) Tetrahydrofuran	7.38	42	117231	229.802	ug/l	99
30) Chloroform	7.53	83	159479	47.754	ug/l	97
31) Cyclohexane	7.81	56	166325	43.640	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	136367	48.447	ug/l	99
36) 1,1-Dichloropropene	7.94	75	133936	47.815	ug/l	99
37) Ethyl Acetate	7.11	43	78848	48.432	ug/l	100
38) Carbon Tetrachloride	7.93	117	118023	49.323	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	173161	46.609	ug/l	99
40) Benzene	8.19	78	395854	47.679	ug/l	100
41) Methacrylonitrile	7.37	41	103969	141.904	ug/l #	6
42) 1,2-Dichloroethane	8.26	62	102512	47.916	ug/l	100
43) Isopropyl Acetate	8.30	43	147238	47.769	ug/l	100
44) Trichloroethene	8.96	130	98213	48.572	ug/l	98
45) 1,2-Dichloropropane	9.24	63	101934	48.840	ug/l	98
46) Dibromomethane	9.32	93	51960	48.310	ug/l	99
47) Bromodichloromethane	9.52	83	123613	49.407	ug/l	99
48) Methyl methacrylate	9.31	41	64541	47.189	ug/l	94
49) 1,4-Dioxane	9.32	88	13045	885.152	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	395575	249.165	ug/l	99
52) Toluene	10.26	92	244475	48.472	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	137330	50.382	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	160950	49.600	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	76751	48.760	ug/l	99
56) Ethyl methacrylate	10.52	69	114488	49.623	ug/l	99
57) 1,3-Dichloropropane	10.80	76	135960	48.457	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	206046	256.278	ug/l	100
59) 2-Hexanone	10.85	43	287295	253.534	ug/l	99
60) Dibromochloromethane	11.00	129	83578	50.390	ug/l	99
61) 1,2-Dibromoethane	11.10	107	72799	48.825	ug/l	99
64) Tetrachloroethene	10.73	164	78442	47.854	ug/l	97
65) Chlorobenzene	11.53	112	252650	48.510	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	84802	49.652	ug/l	98
67) Ethyl Benzene	11.60	91	472200	48.614	ug/l	98
68) m/p-Xylenes	11.71	106	347571	96.787	ug/l	99
69) o-Xylene	12.04	106	164870	48.710	ug/l	99
70) Styrene	12.05	104	287392	49.576	ug/l	100
71) Bromoform	12.22	173	47444	51.222	ug/l #	100
73) Isopropylbenzene	12.34	105	446667	48.096	ug/l	100
74) N-amyl acetate	12.16	43	134037	46.960	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	96734	48.302	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	124408	86.183	ug/l #	100
77) Bromobenzene	12.62	156	96058	48.820	ug/l	96
78) n-propylbenzene	12.68	91	549418	47.953	ug/l	99
79) 2-Chlorotoluene	12.77	91	299918	47.381	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	369448	48.323	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	35167	49.210	ug/l	96
82) 4-Chlorotoluene	12.86	91	313526	47.571	ug/l	98
83) tert-Butylbenzene	13.08	119	307189	48.376	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	364717	48.069	ug/l	99
85) sec-Butylbenzene	13.27	105	461775	49.335	ug/l	100
86) p-Isopropyltoluene	13.38	119	395262	48.954	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	183714	47.647	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	182581	46.677	ug/l	98
89) n-Butylbenzene	13.70	91	407345	48.627	ug/l	99
90) Hexachloroethane	13.97	117	74592	48.971	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	167751	47.890	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14711	47.074	ug/l	99

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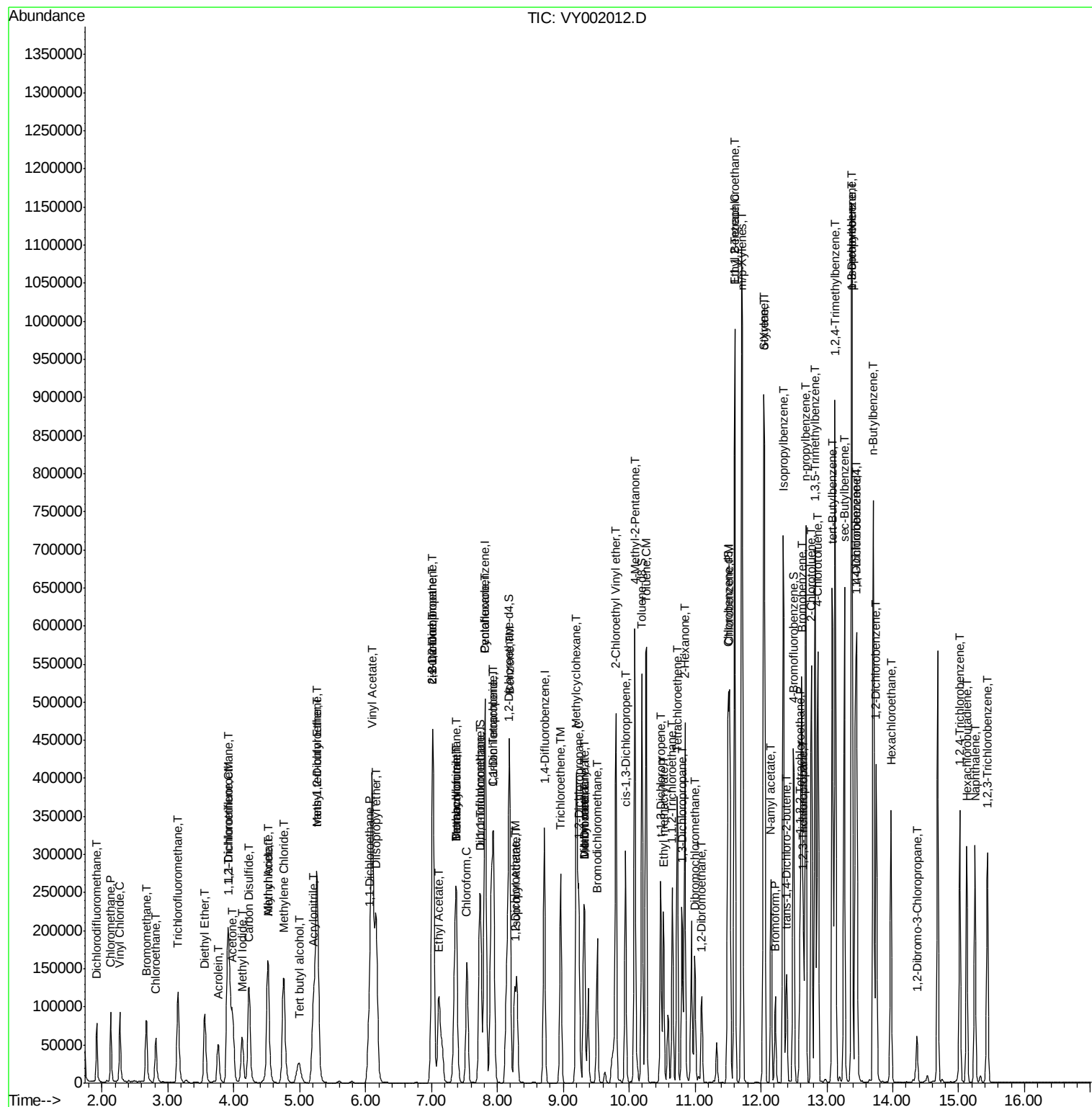
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	107264	47.219	ug/l	98
94) Hexachlorobutadiene	15.12	225	51926	46.885	ug/l	99
95) Naphthalene	15.25	128	251420	46.661	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	93227	46.586	ug/l	99

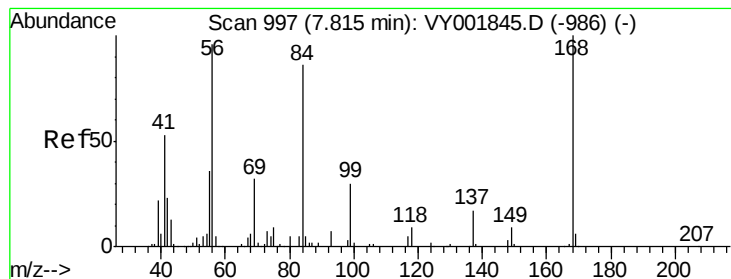
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

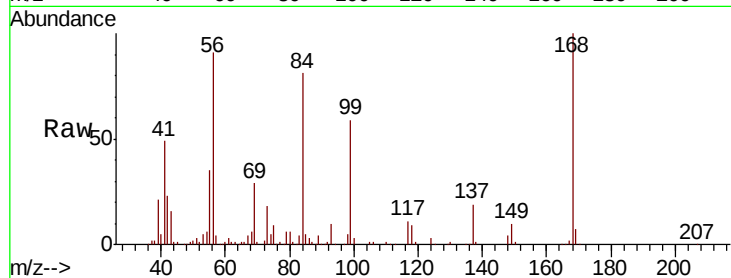
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 162462

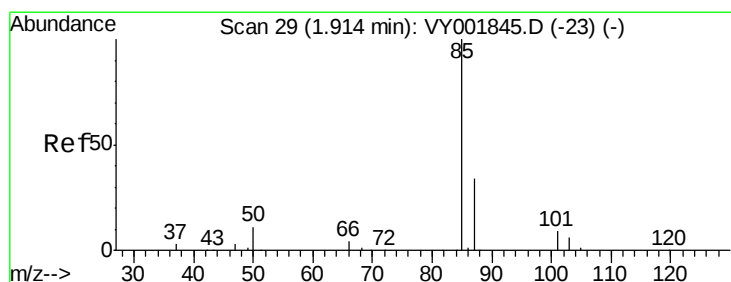
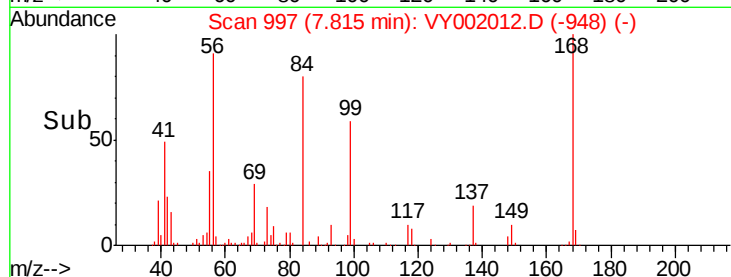
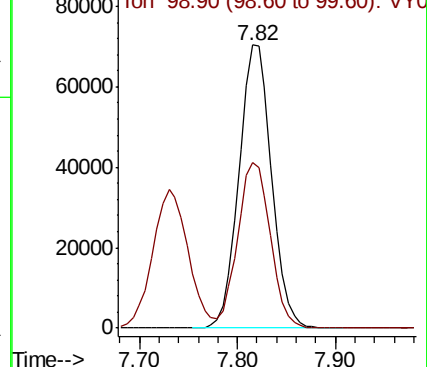
Ion Ratio Lower Upper

168 100

99 58.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)



#2

Dichlorodifluoromethane

Concen: 40.850 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002012.D

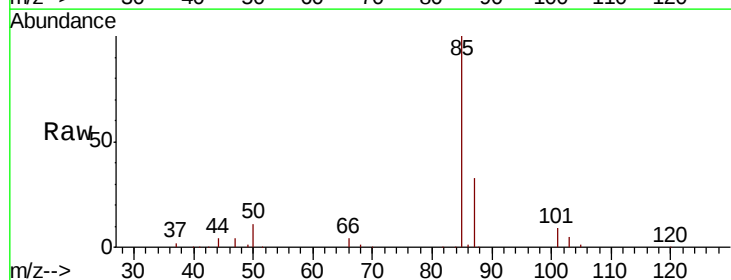
Acq: 19 Mar 2020 11:20

Tgt Ion: 85 Resp: 61260

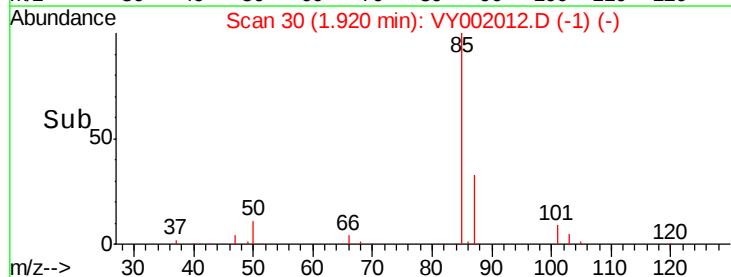
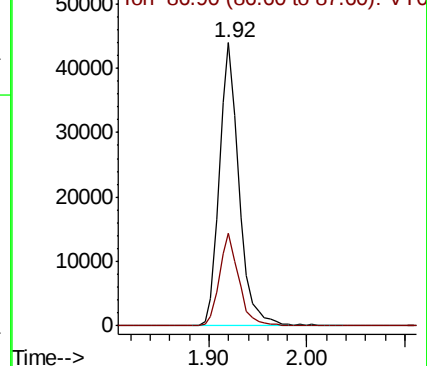
Ion Ratio Lower Upper

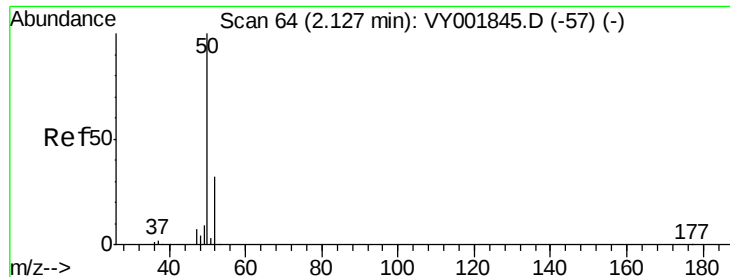
85 100

87 32.6 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)





#3

Chloromethane

Concen: 42.199 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

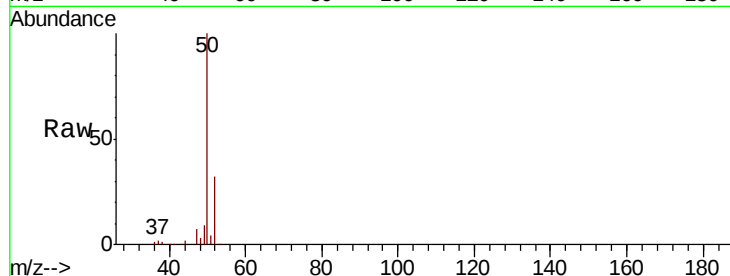
ClientSampleId :

Tot Ion: 50 Resp: 85321

Ion Ratio Lower Upper

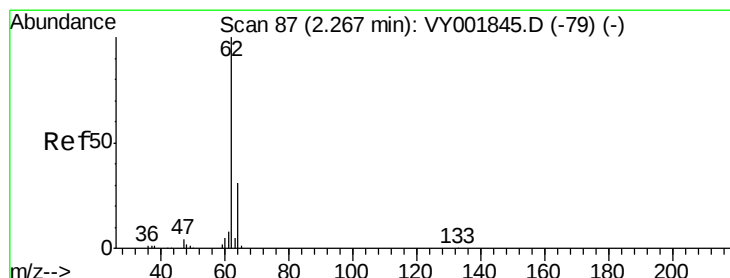
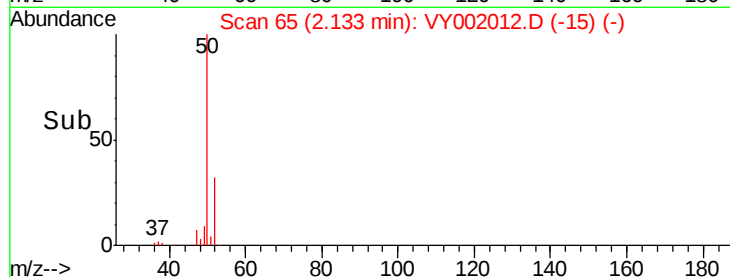
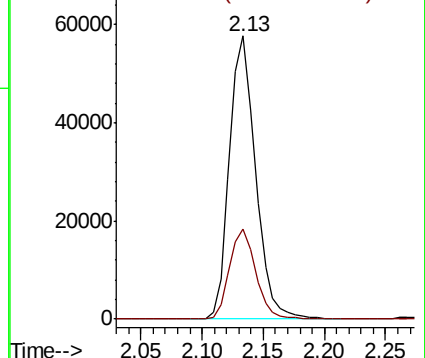
50 100

52 32.1 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 44.209 ug/l

RT: 2.27 min Scan# 88

Delta R.T. 0.01 min

Lab File: VY002012.D

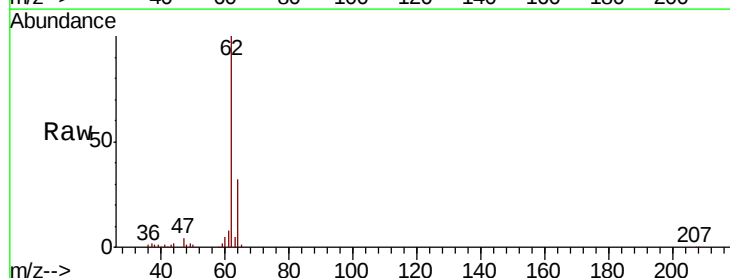
Acq: 19 Mar 2020 11:20

Tgt Ion: 62 Resp: 90920

Ion Ratio Lower Upper

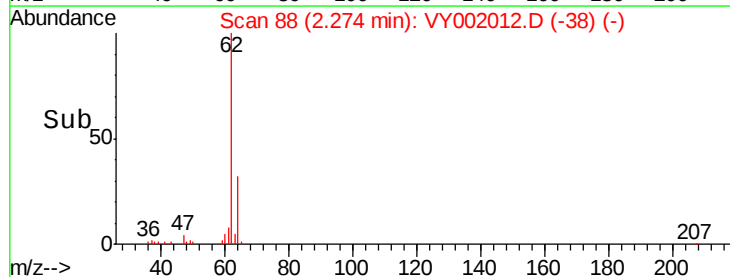
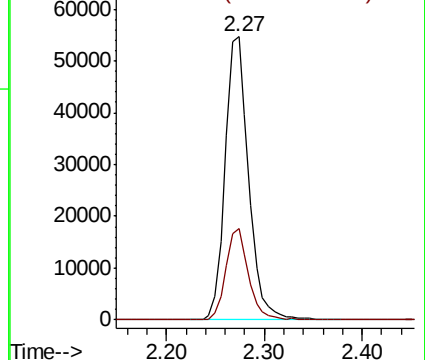
62 100

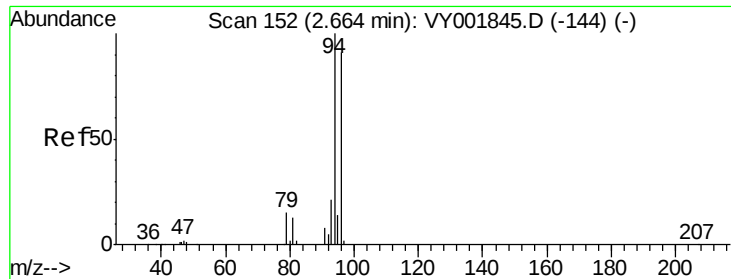
64 32.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 50.345 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

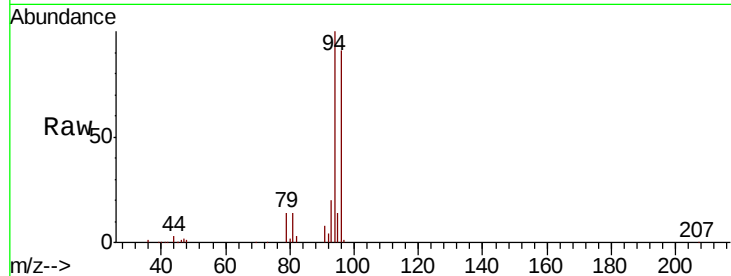
ClientSampleId :

Tot Ion: 94 Resp: 60425

Ion Ratio Lower Upper

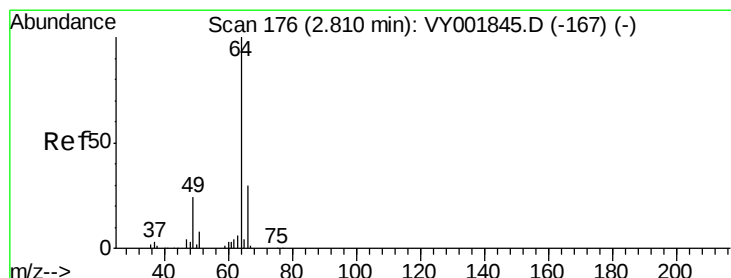
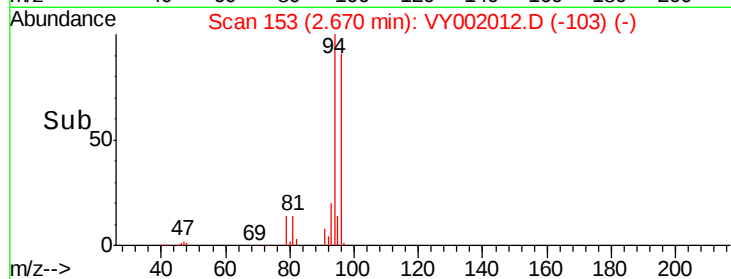
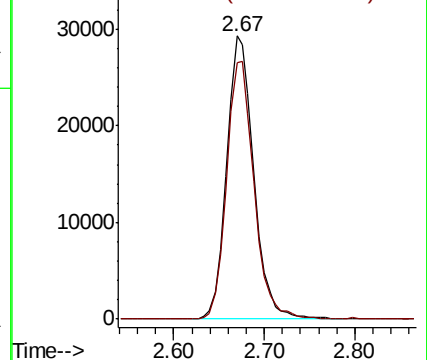
94 100

96 90.6 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 45.387 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY002012.D

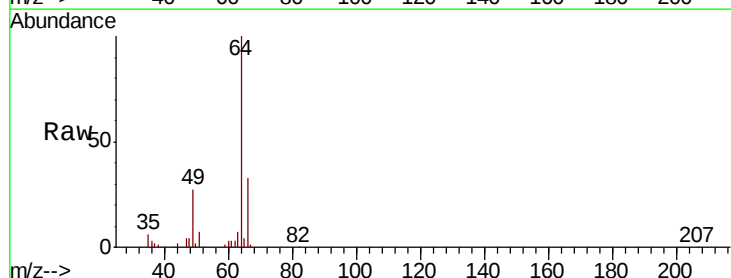
Acq: 19 Mar 2020 11:20

Tgt Ion: 64 Resp: 58635

Ion Ratio Lower Upper

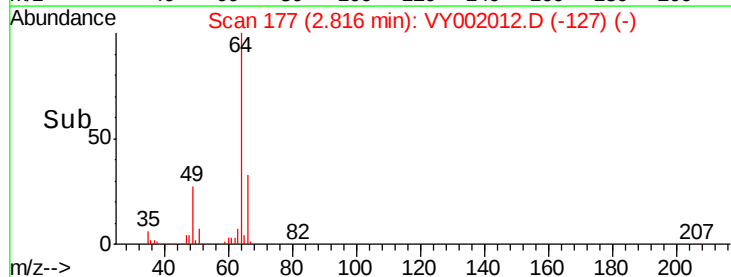
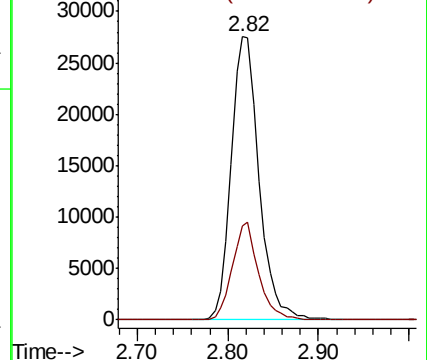
64 100

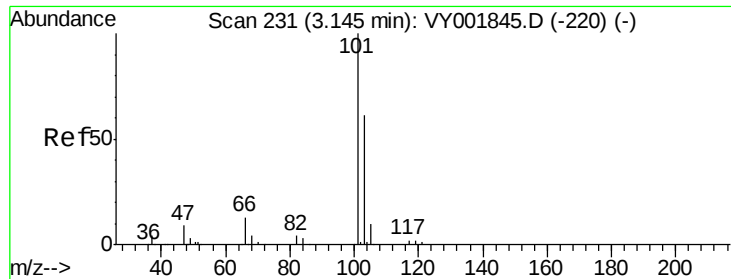
66 33.1 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



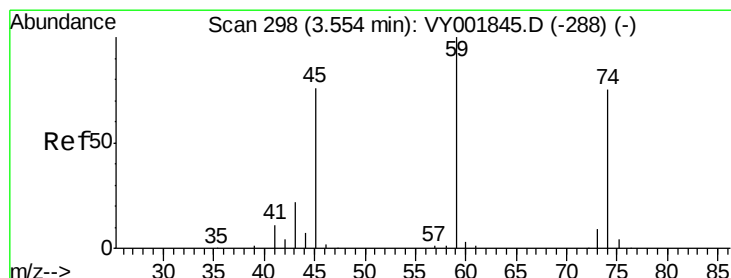
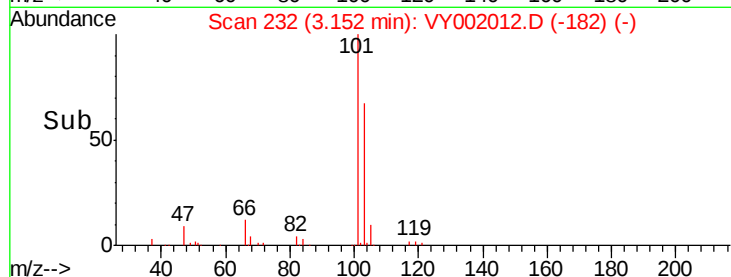
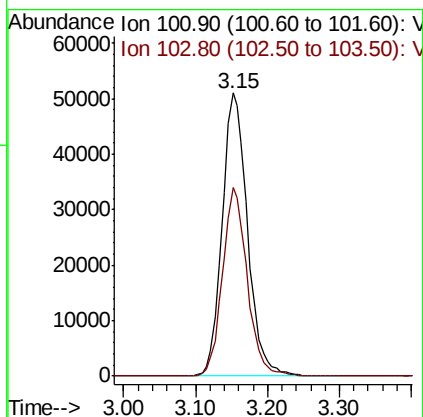
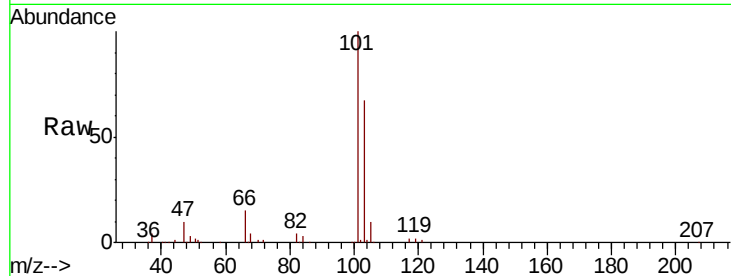


#7

Trichlorofluoromethane
 Concen: 44.841 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

Instrument :
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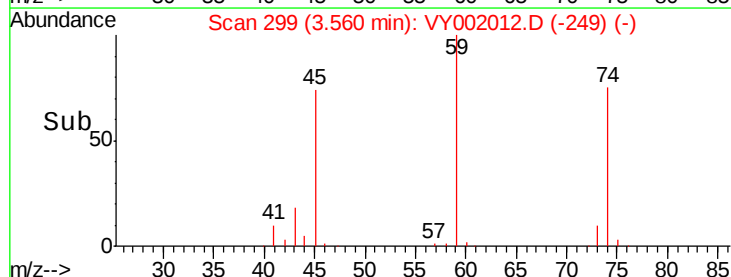
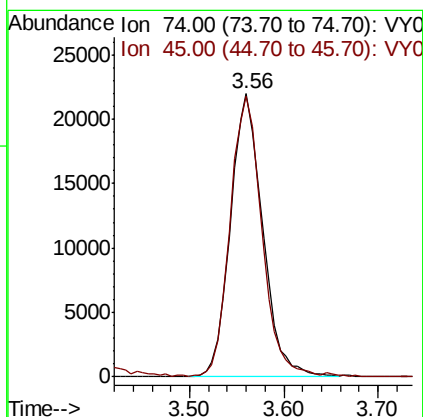
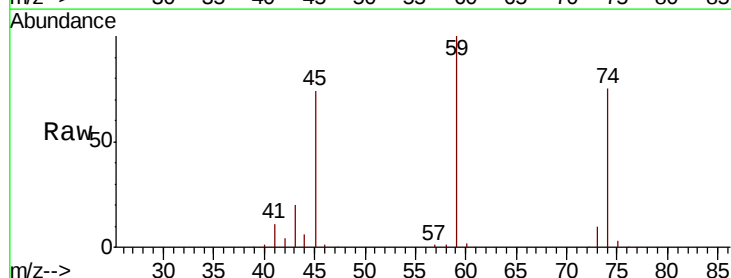
Tot Ion:101 Resp: 125068
 Ion Ratio Lower Upper
 101 100
 103 66.6 49.1 73.7

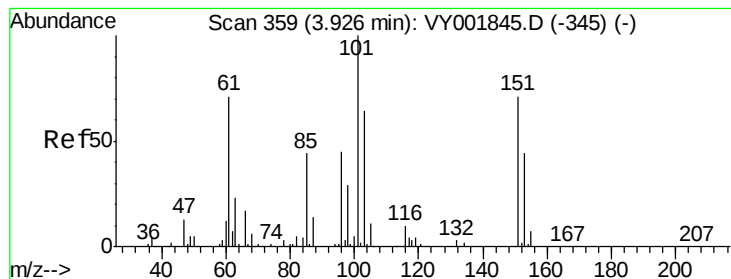


#8

Diethyl Ether
 Concen: 47.595 ug/l
 RT: 3.56 min Scan# 299
 Delta R.T. 0.01 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

Tgt Ion: 74 Resp: 52320
 Ion Ratio Lower Upper
 74 100
 45 97.0 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.468 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

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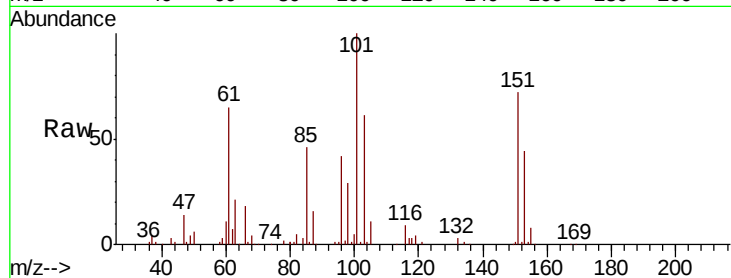
Tot Ion:101 Resp: 85154

Ion Ratio Lower Upper

101 100

85 44.8 35.3 52.9

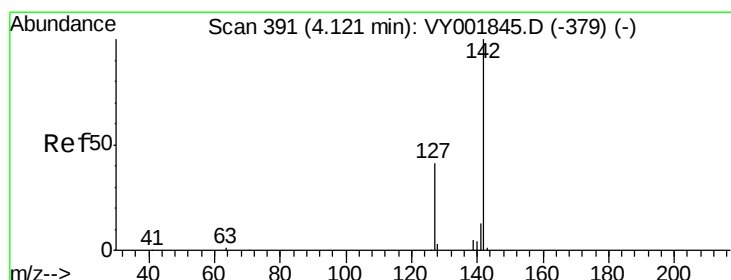
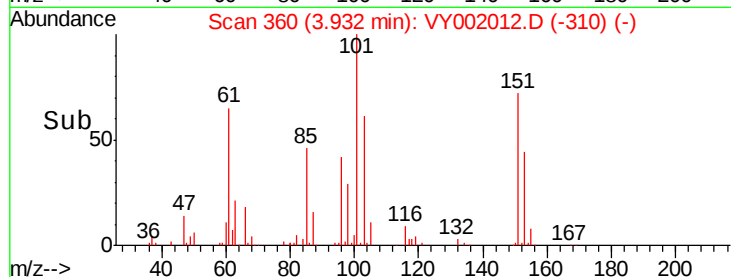
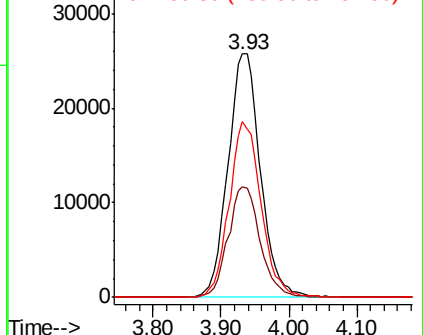
151 70.8 57.0 85.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.704 ug/l

RT: 4.13 min Scan# 392

Delta R.T. 0.01 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

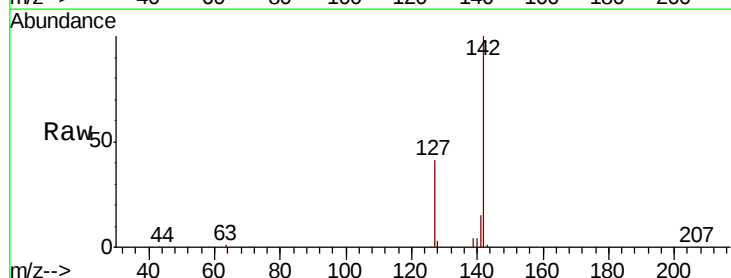
Tgt Ion:142 Resp: 103114

Ion Ratio Lower Upper

142 100

127 40.4 32.7 49.1

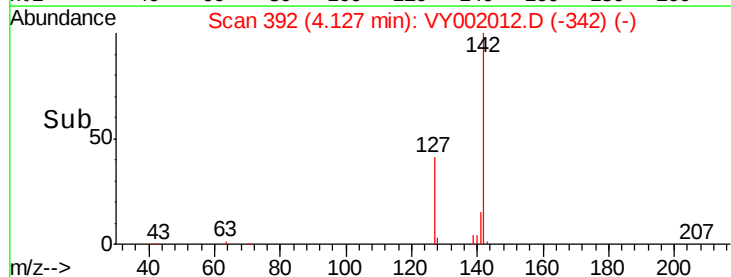
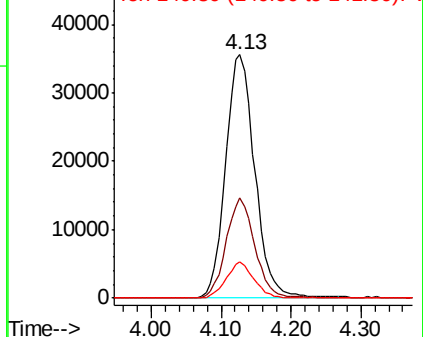
141 14.1 11.0 16.6

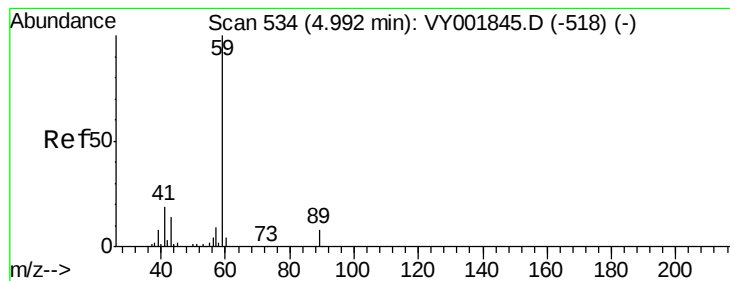


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



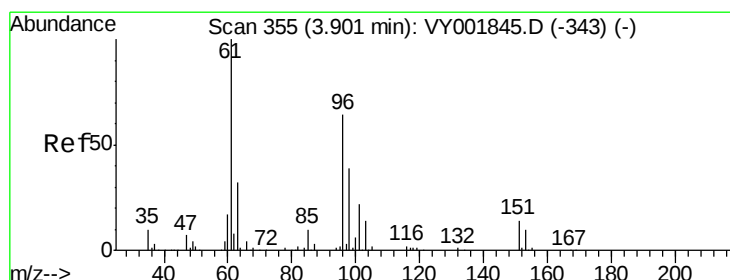
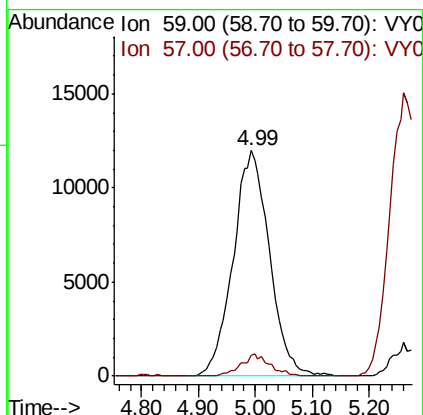
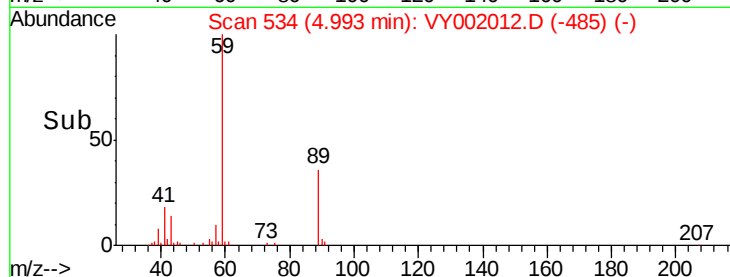
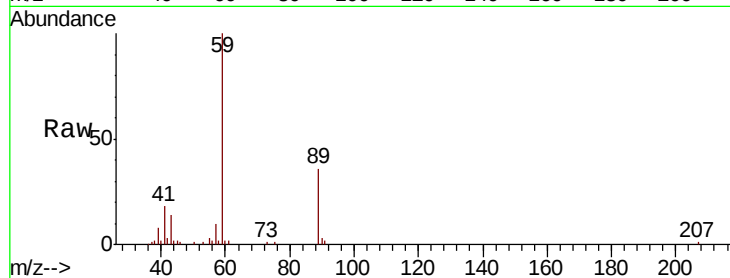


#11

Tert butyl alcohol
Concen: 299.619 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :

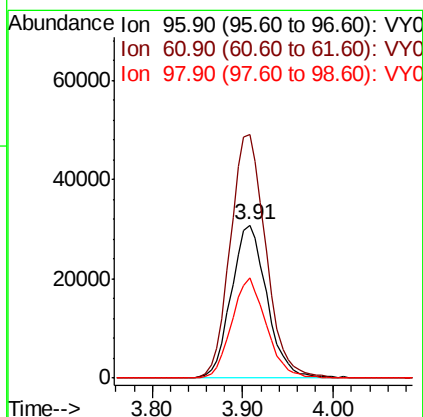
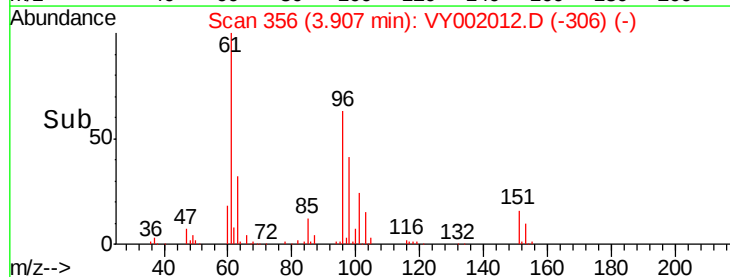
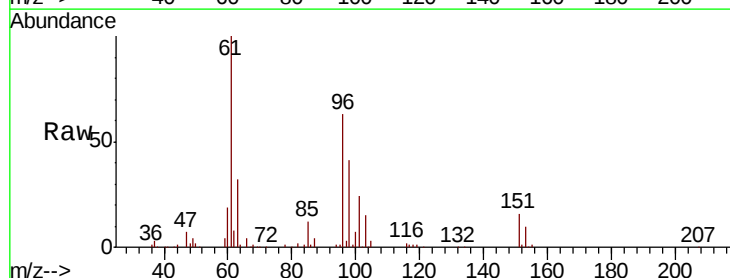
Tot Ion: 59 Resp: 53269
Ion Ratio Lower Upper
59 100
57 7.8 7.4 11.2

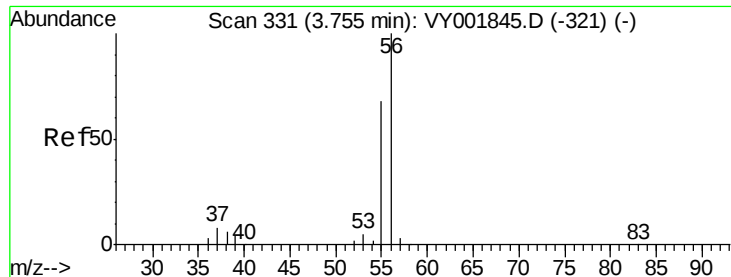


#12

1,1-Dichloroethene
Concen: 46.479 ug/l
RT: 3.91 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Tgt Ion: 96 Resp: 83954
Ion Ratio Lower Upper
96 100
61 158.8 124.8 187.2
98 65.4 49.2 73.8





#13

Acrolein

Concen: 258.732 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

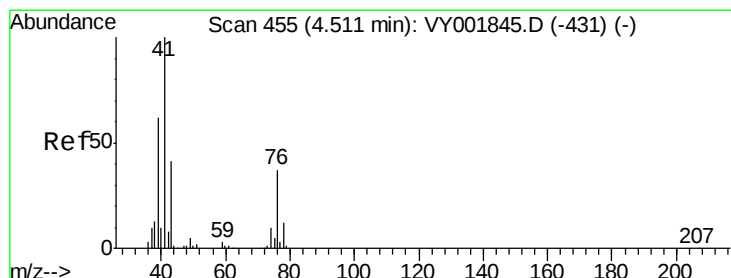
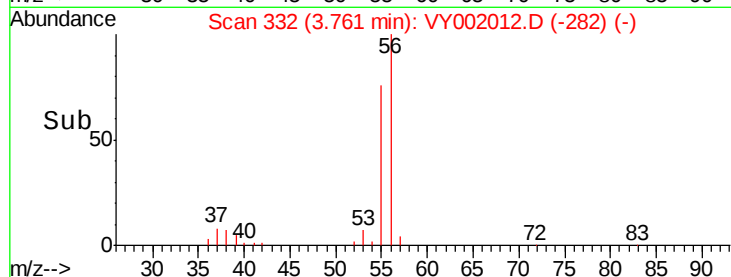
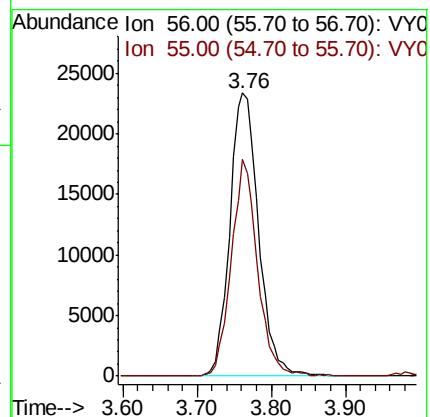
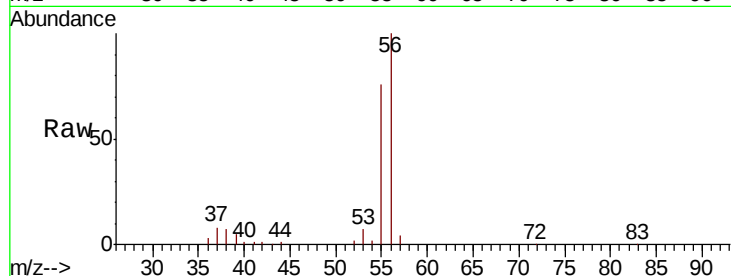
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 63059

Ion Ratio Lower Upper

56 100

55 69.6 54.0 81.0



#14

Allyl chloride

Concen: 46.790 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

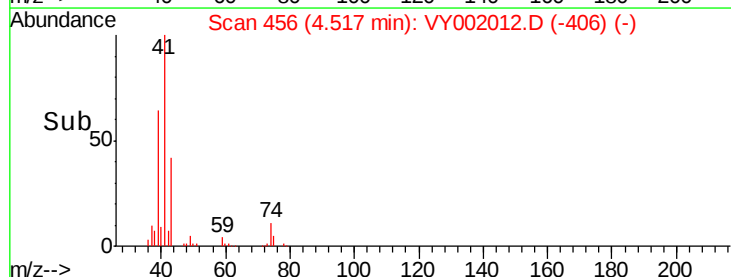
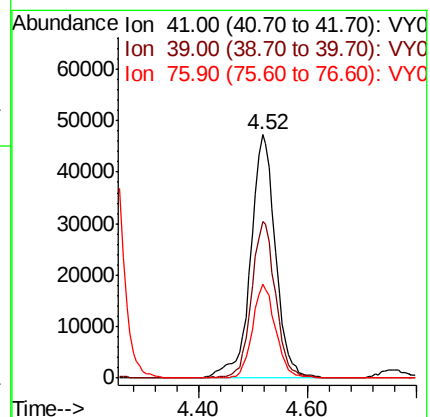
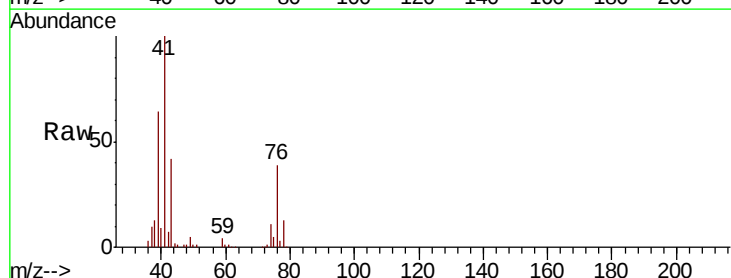
Tgt Ion: 41 Resp: 149831

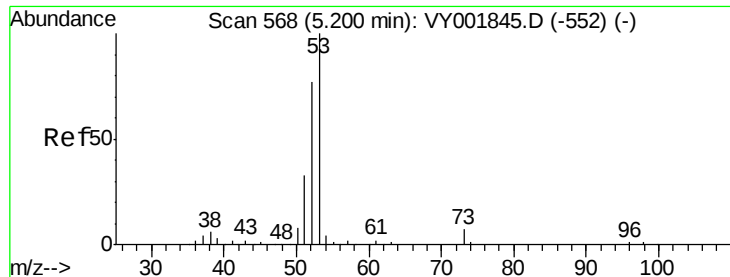
Ion Ratio Lower Upper

41 100

39 62.1 49.0 73.6

76 35.7 28.9 43.3





#15

Acrylonitrile

Concen: 235.837 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

ClientSampled :

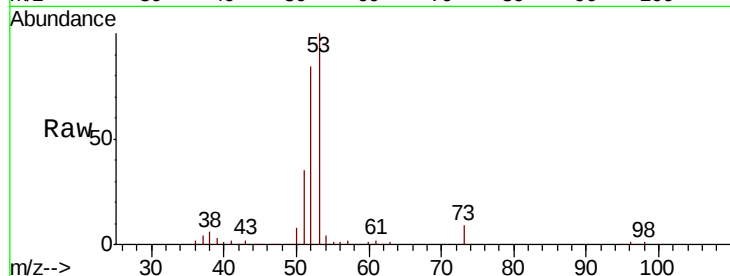
Tot Ion: 53 Resp: 138534

Ion Ratio Lower Upper

53 100

52 82.7 65.1 97.7

51 35.2 27.5 41.3



Abundance Ion 53.00 (52.70 to 53.70): VY002012.D (-519) (-)

Ion 52.00 (51.70 to 52.70): VY002012.D (-519) (-)

Ion 51.00 (50.70 to 51.70): VY002012.D (-519) (-)

5.21

40000

30000

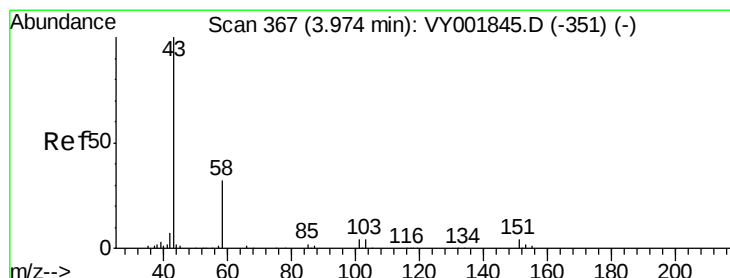
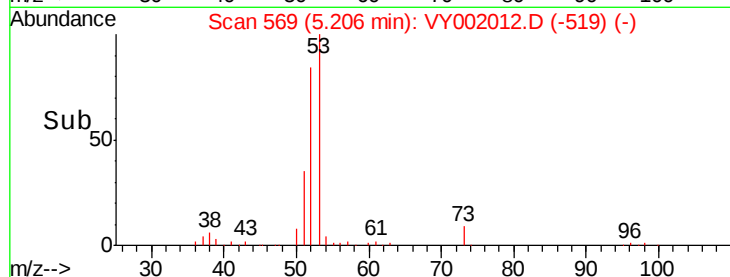
20000

10000

0

5.10 5.20 5.30 5.40

Time-->



#16

Acetone

Concen: 290.750 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY002012.D

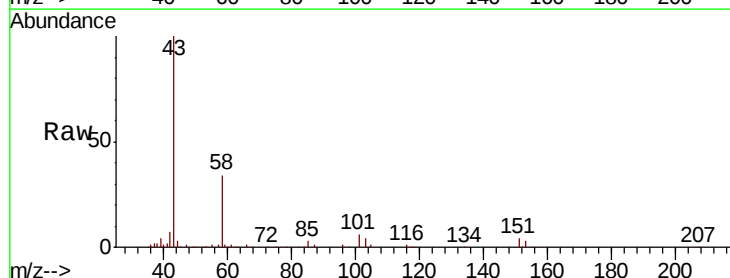
Acq: 19 Mar 2020 11:20

Tgt Ion: 43 Resp: 146875

Ion Ratio Lower Upper

43 100

58 33.9 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY002012.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VY002012.D (-318) (-)

3.98

60000

50000

40000

30000

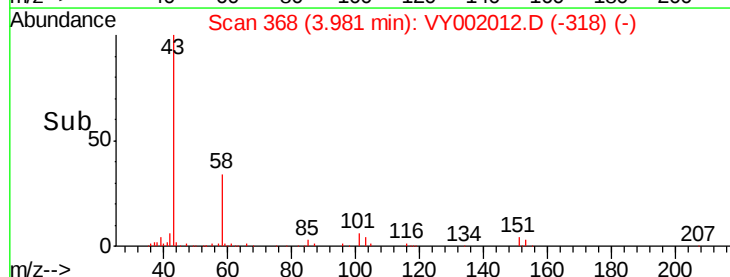
20000

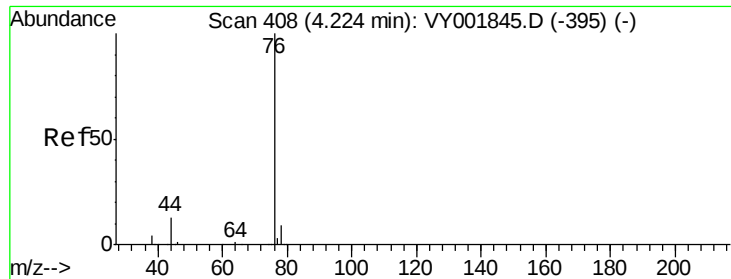
10000

0

3.80 3.90 4.00 4.10

Time-->

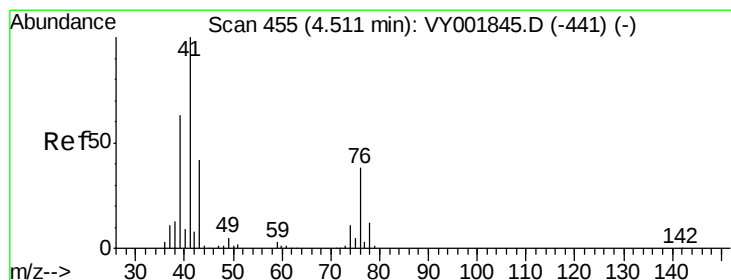
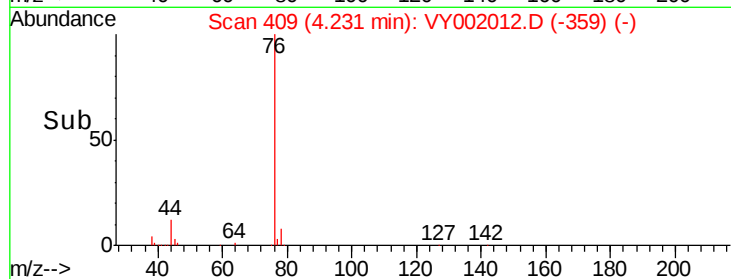
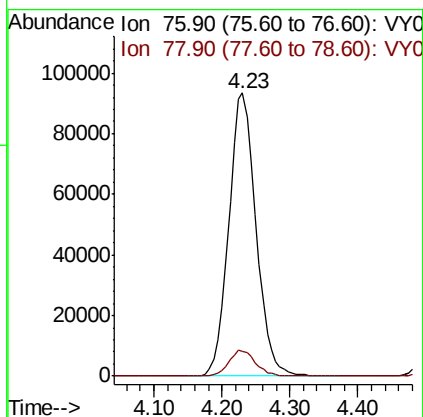
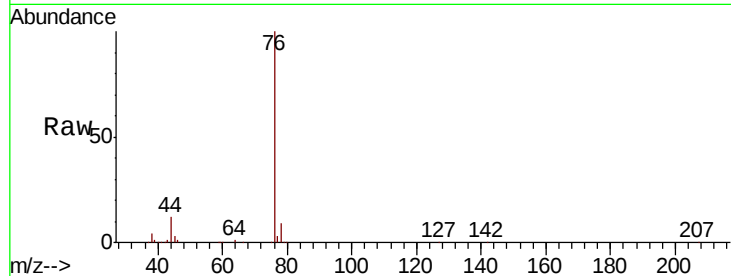




#17
Carbon Disulfide
Concen: 42.583 ug/l
RT: 4.23 min Scan# 409
Delta R.T. 0.01 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

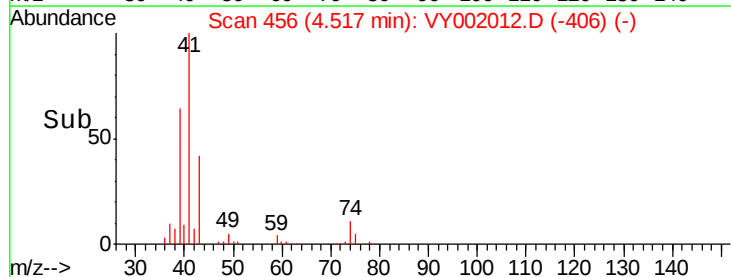
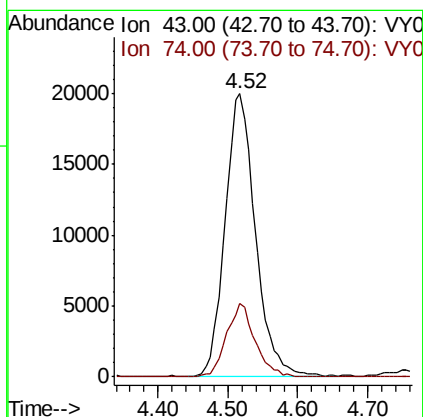
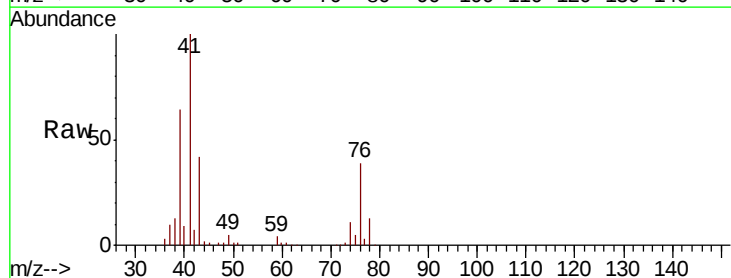
Instrument :
MSVOA_Y
ClientSampleId :

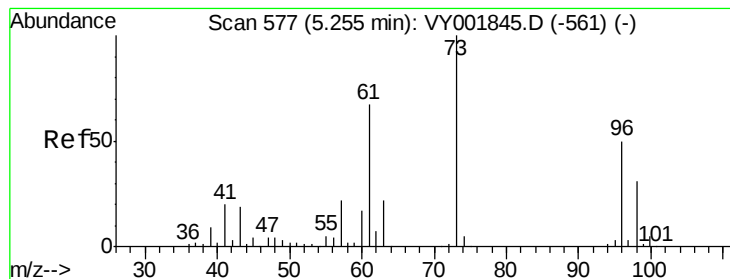
Tot Ion: 76 Resp: 258566
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2



#18
Methyl Acetate
Concen: 46.473 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Tgt Ion: 43 Resp: 60320
Ion Ratio Lower Upper
43 100
74 24.0 19.0 28.6



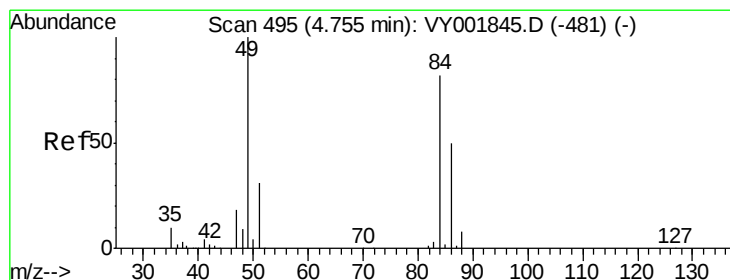
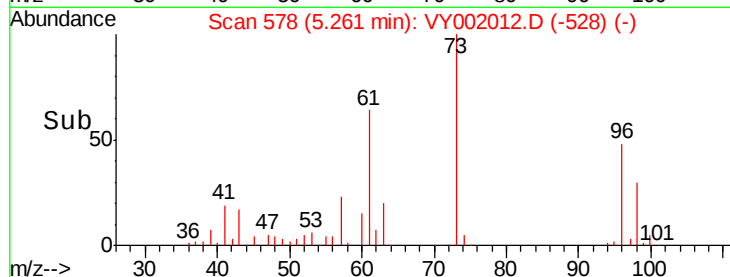
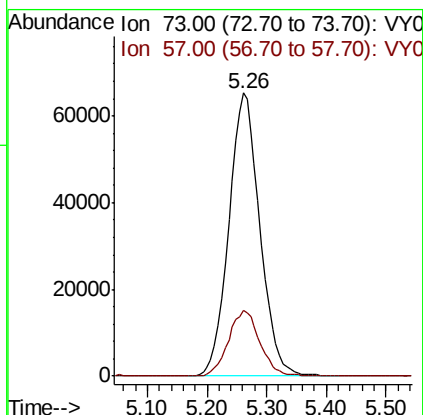
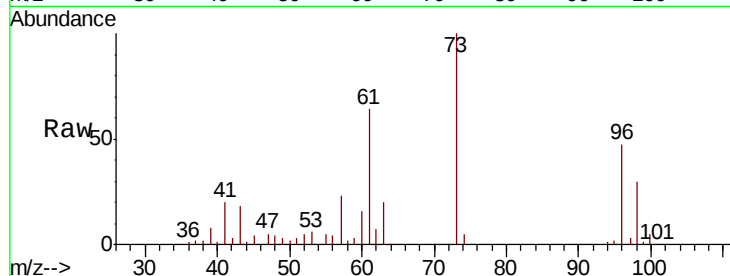


#19

Methyl tert-butyl Ether
 Concen: 48.073 ug/l
 RT: 5.26 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

Instrument :
 MSVOA_Y
 ClientSampled :

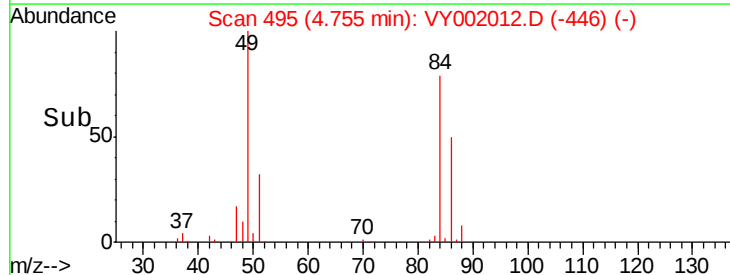
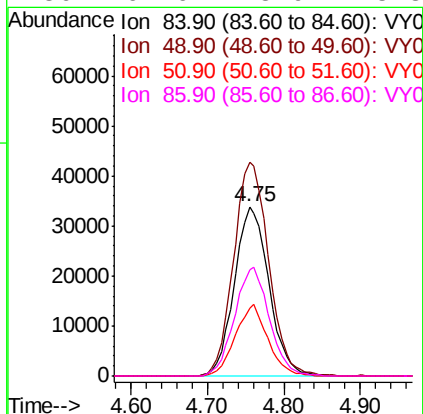
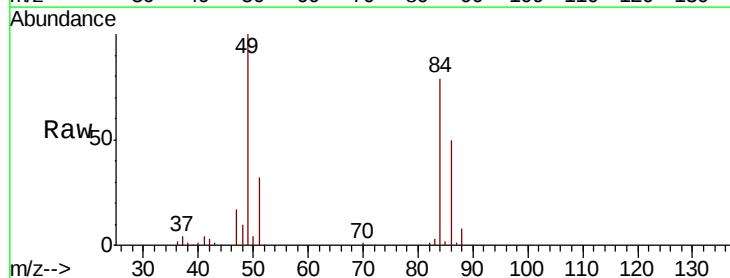
Tot Ion: 73 Resp: 235311
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.4 26.2



#20

Methylene Chloride
 Concen: 49.099 ug/l
 RT: 4.75 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

Tgt Ion: 84 Resp: 106300
 Ion Ratio Lower Upper
 84 100
 49 125.9 98.2 147.2
 51 40.0 30.2 45.2
 86 62.6 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 45.805 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.01 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

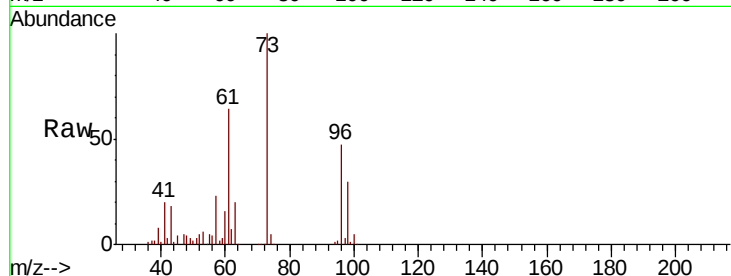
Tot Ion: 96 Resp: 93909

Ion Ratio Lower Upper

96 100

61 135.6 107.7 161.5

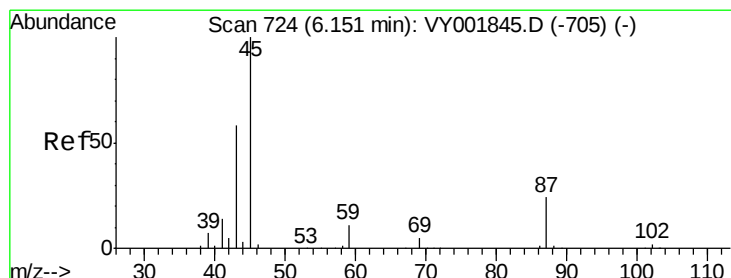
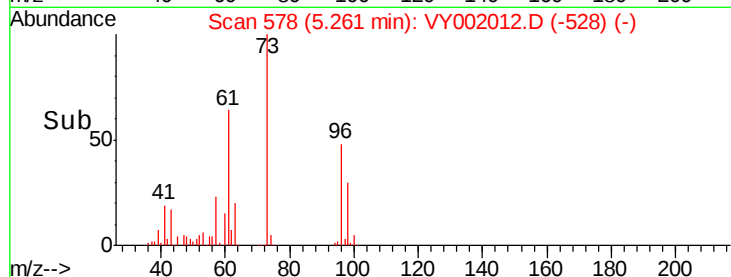
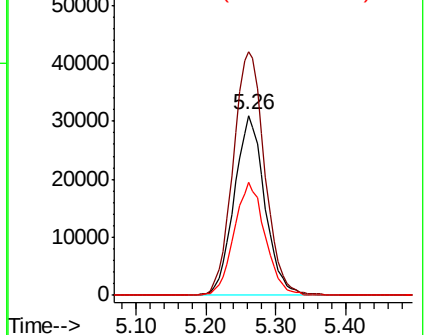
98 63.1 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 47.483 ug/l

RT: 6.16 min Scan# 725

Delta R.T. 0.01 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Tgt Ion: 45 Resp: 311677

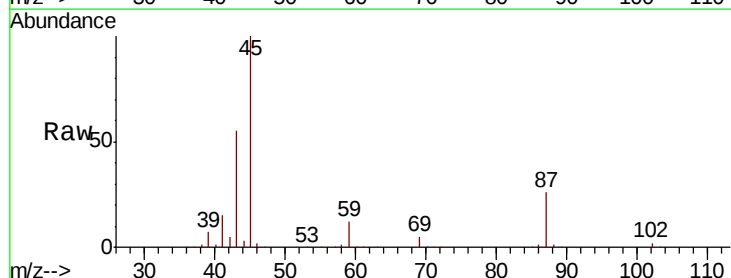
Ion Ratio Lower Upper

45 100

43 55.3 47.2 70.8

87 25.8 19.8 29.8

59 12.1 8.8 13.2

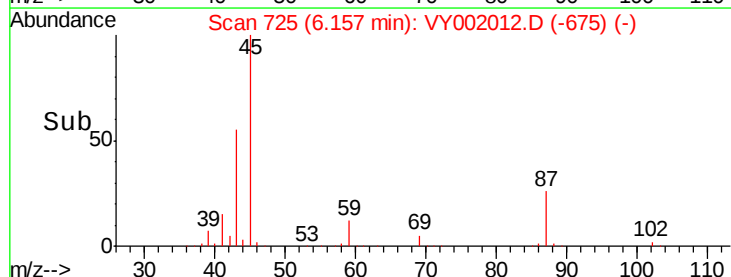
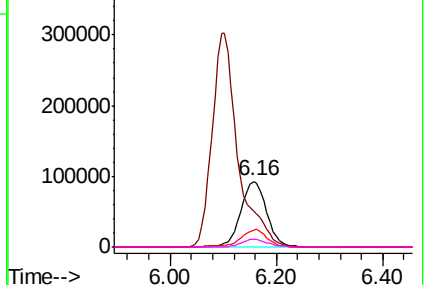


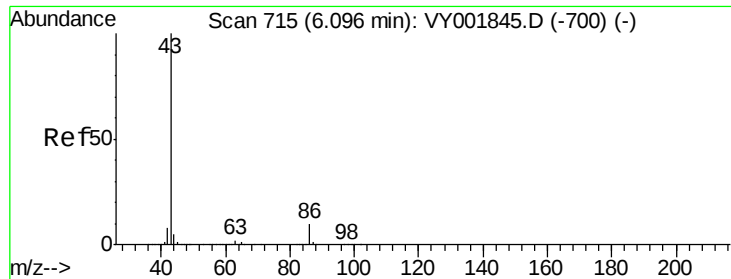
Abundance Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 236.549 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

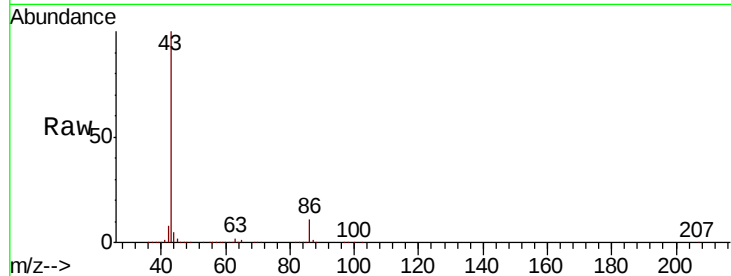
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1017895

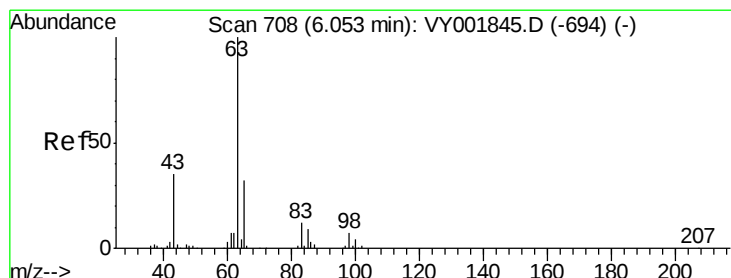
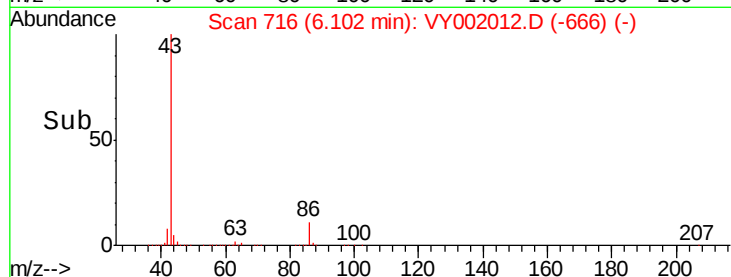
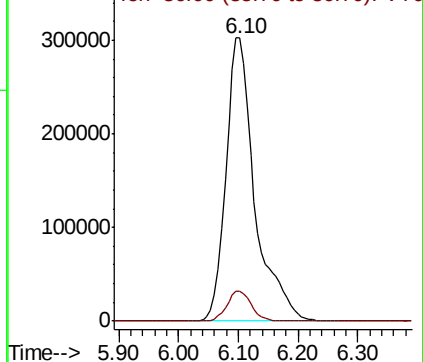
Ion Ratio Lower Upper

43 100

86 10.6 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 47.483 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

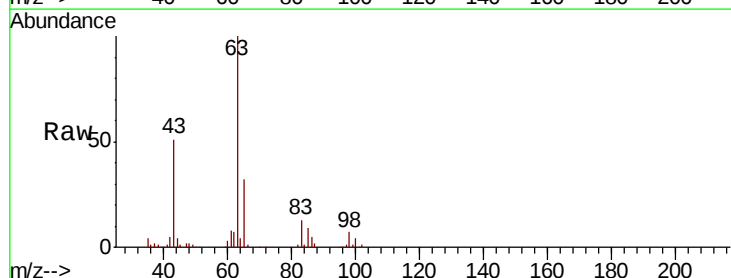
Tgt Ion: 63 Resp: 168782

Ion Ratio Lower Upper

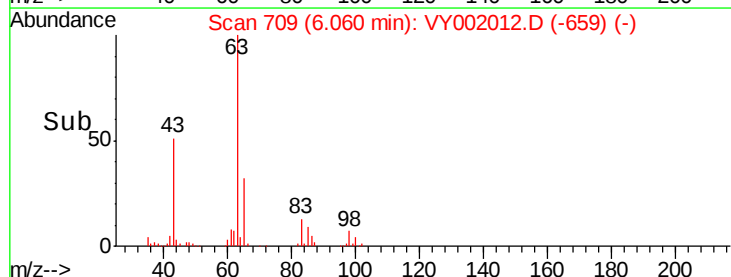
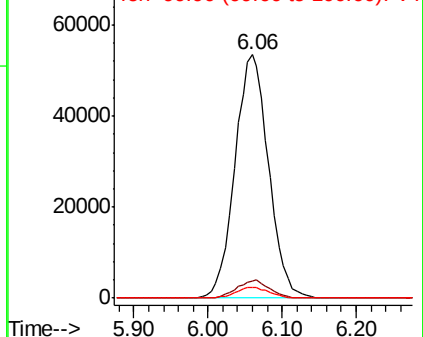
63 100

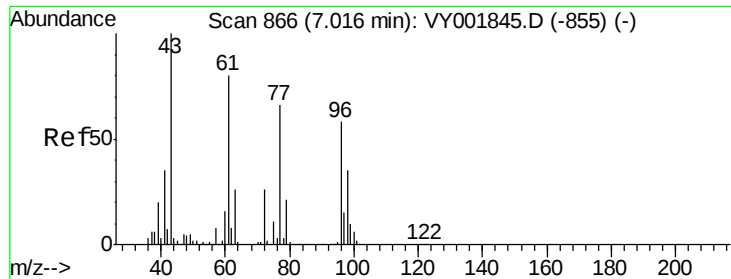
98 7.2 3.4 10.2

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VY0
Ion 97.90 (97.60 to 98.60): VY0
Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 254.775 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

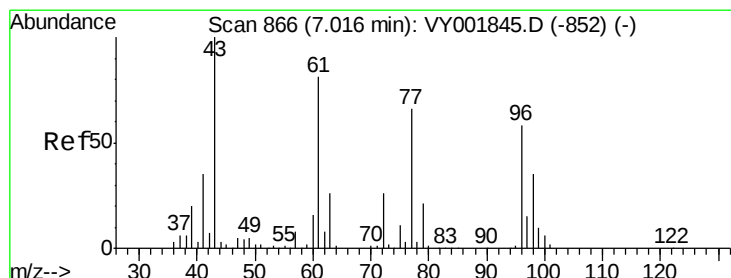
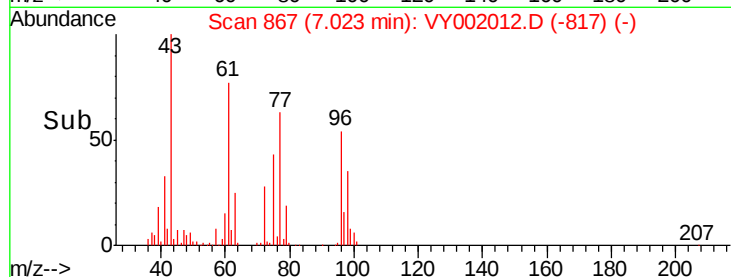
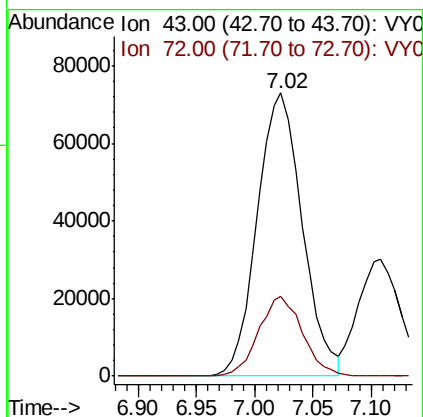
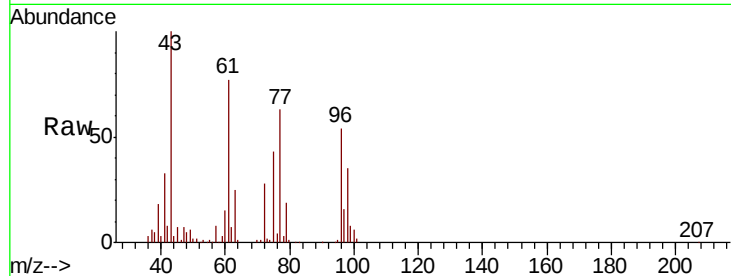
ClientSampled :

Tot Ion: 43 Resp: 195720

Ion Ratio Lower Upper

43 100

72 28.3 20.9 31.3



#26

2,2-Dichloropropane

Concen: 49.519 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY002012.D

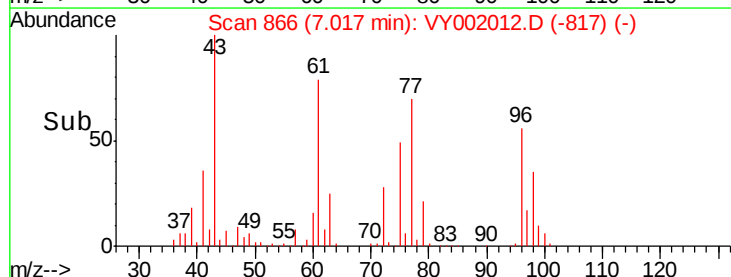
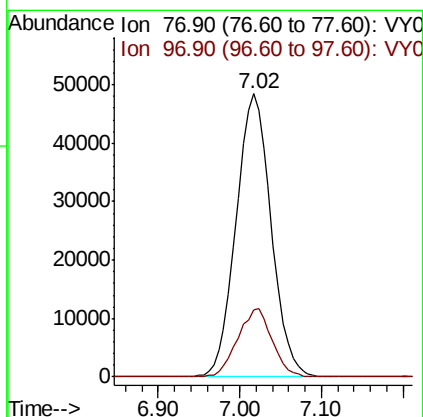
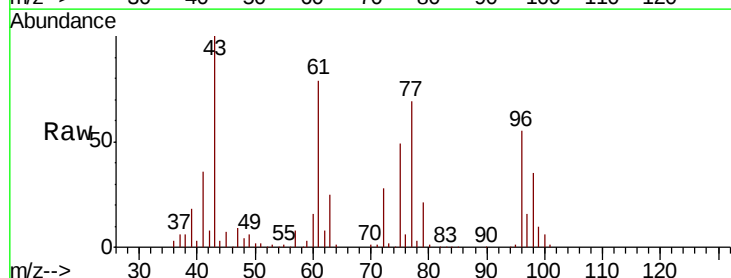
Acq: 19 Mar 2020 11:20

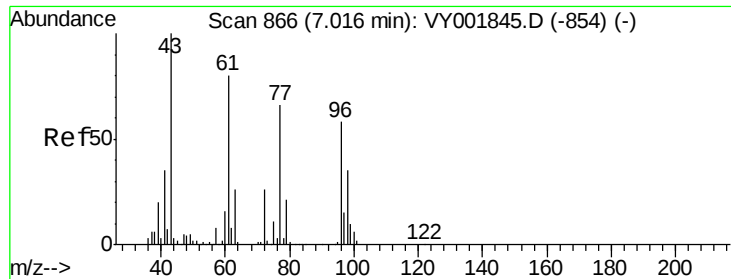
Tgt Ion: 77 Resp: 144471

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.7



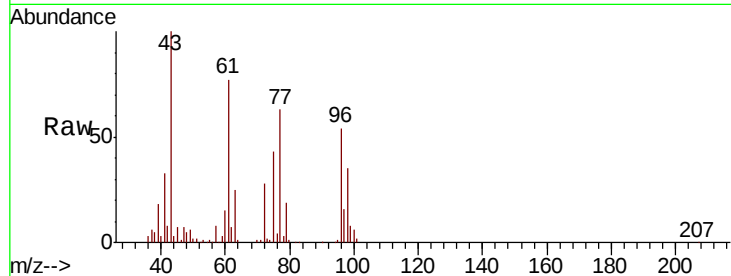


#27

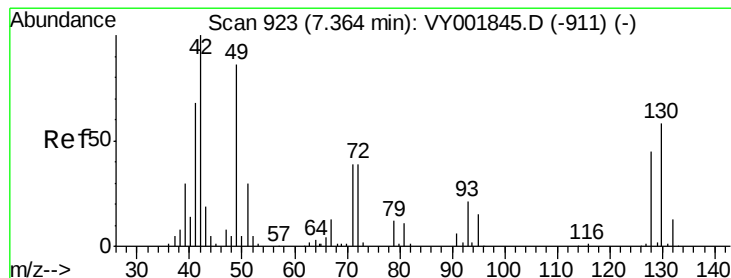
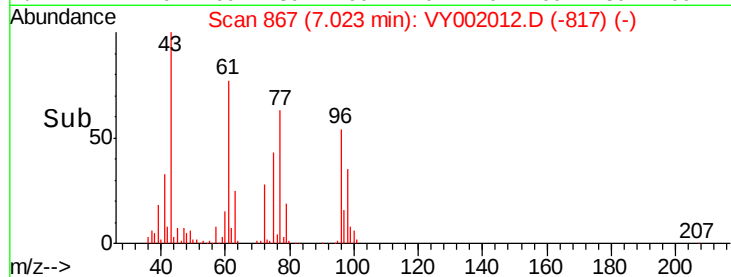
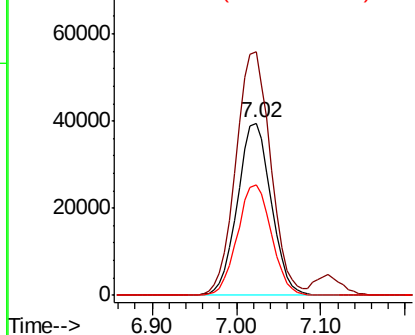
cis-1,2-Dichloroethene
Concen: 47.981 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 107004
Ion Ratio Lower Upper
96 100
61 145.4 0.0 288.2
98 64.7 0.0 129.0



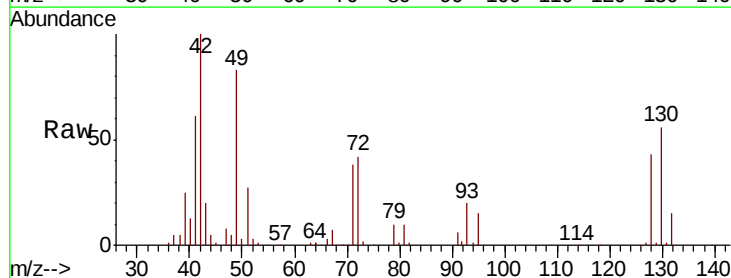
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



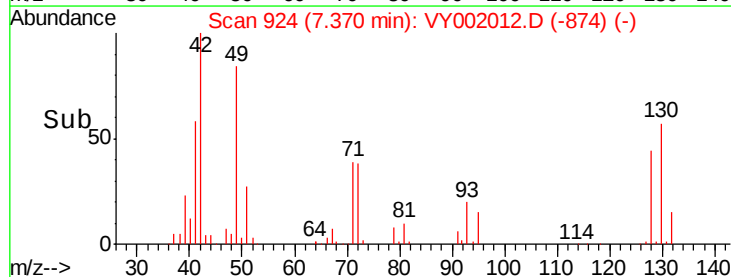
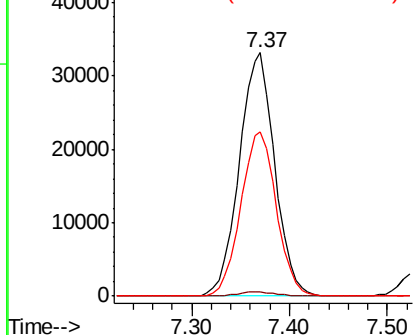
#28

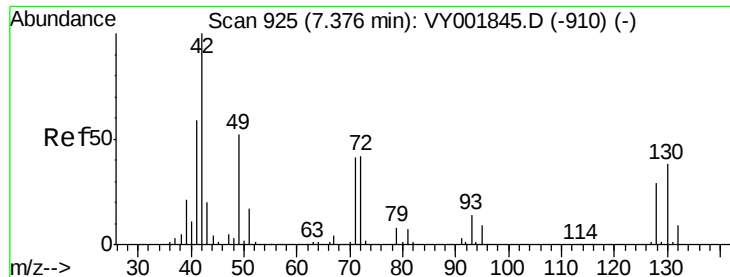
Bromochloromethane
Concen: 51.817 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Tgt Ion: 49 Resp: 83022
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.8
130 67.9 54.4 81.6



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

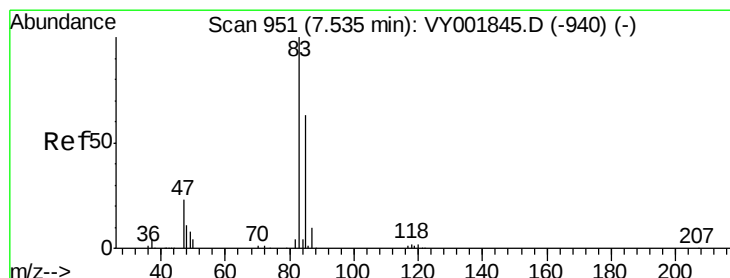
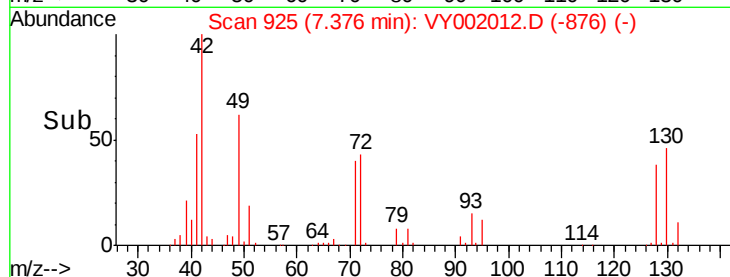
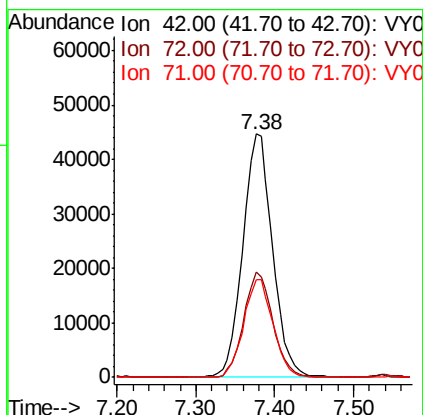
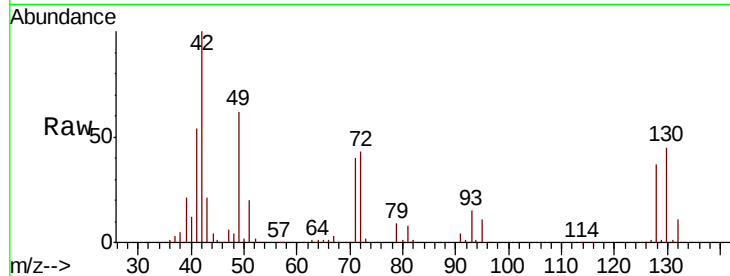




#29
Tetrahydrofuran
Concen: 229.802 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

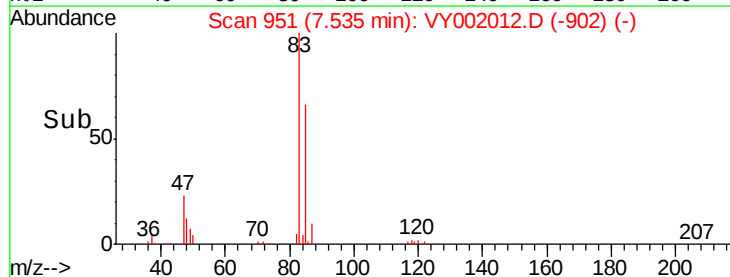
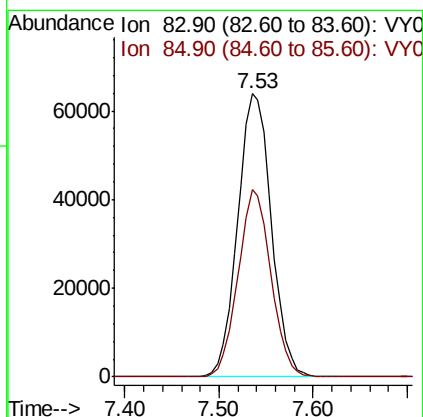
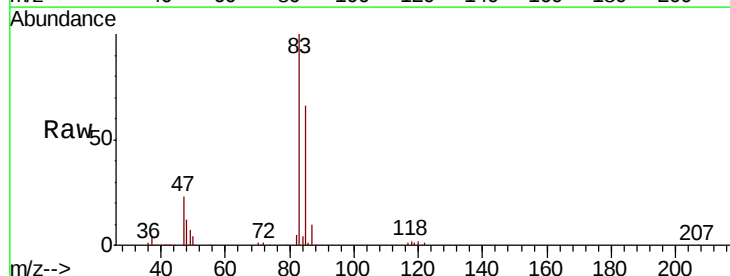
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 42 Resp: 117231
Ion Ratio Lower Upper
42 100
72 42.4 33.5 50.3
71 40.0 31.3 46.9



#30
Chloroform
Concen: 47.754 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Tgt Ion: 83 Resp: 159479
Ion Ratio Lower Upper
83 100
85 66.0 50.7 76.1





#31

Cyclohexane

Concen: 43.640 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :

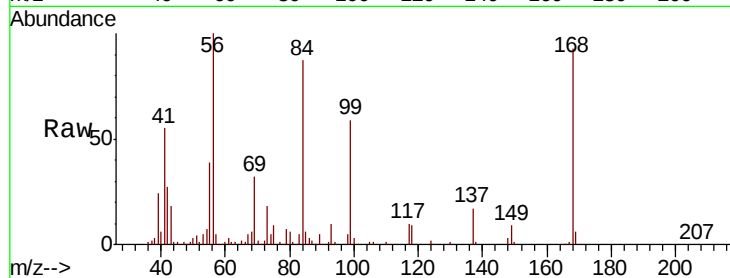
Tot Ion: 56 Resp: 166325

Ion Ratio Lower Upper

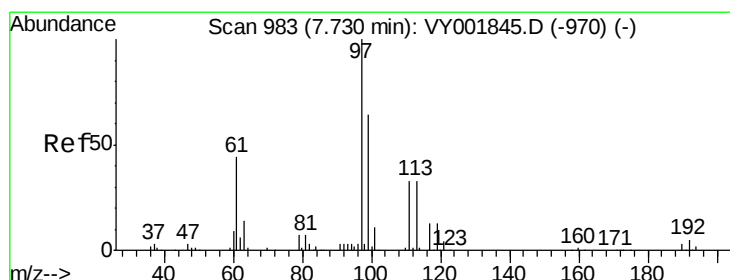
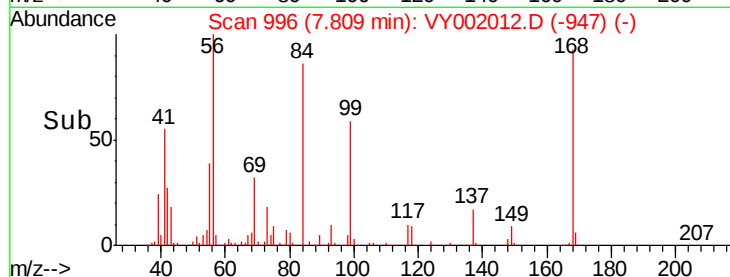
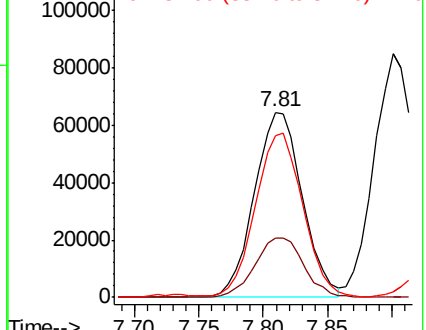
56 100

69 31.9 26.7 40.1

84 85.9 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 48.447 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

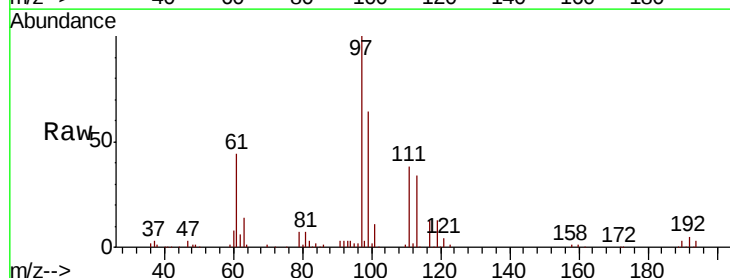
Tgt Ion: 97 Resp: 136367

Ion Ratio Lower Upper

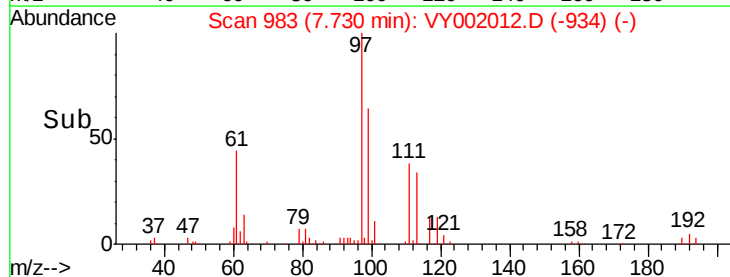
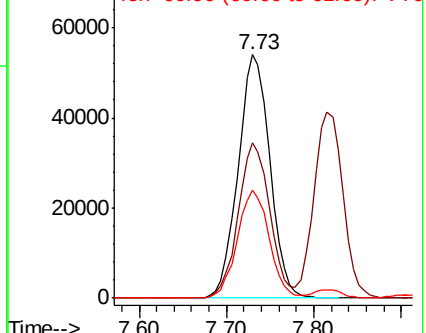
97 100

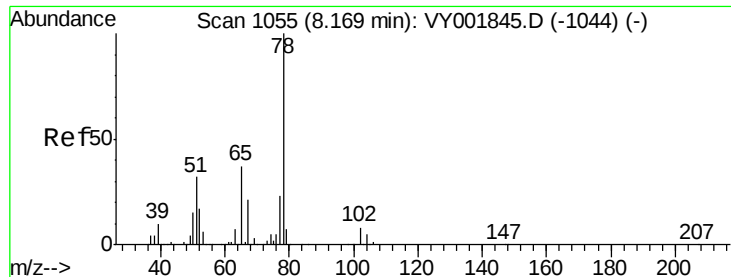
99 63.9 52.0 78.0

61 44.5 35.0 52.4



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: 51.042 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

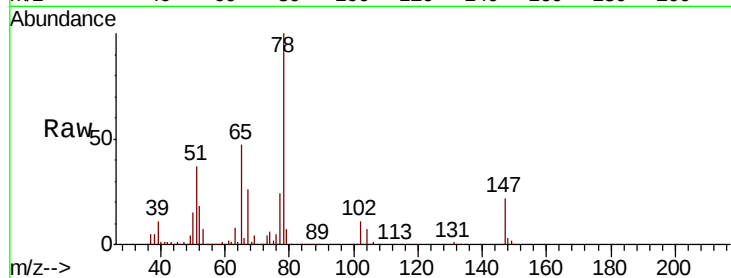
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 65 Resp: 88527

Ion Ratio Lower Upper

65 100

67 57.1 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY002012.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY002012.D (-1044) (-)

8.17

40000

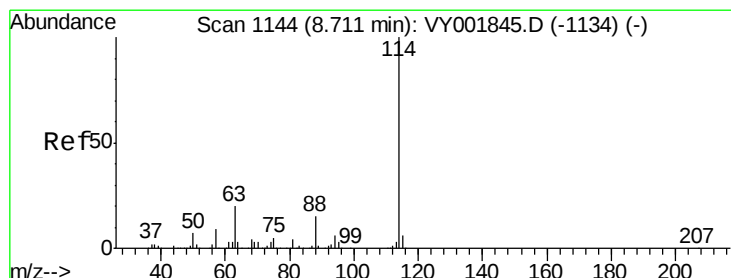
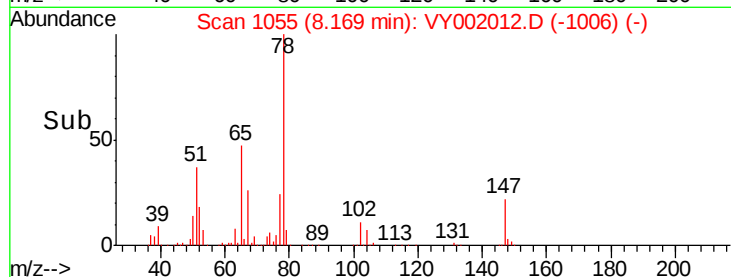
30000

20000

10000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

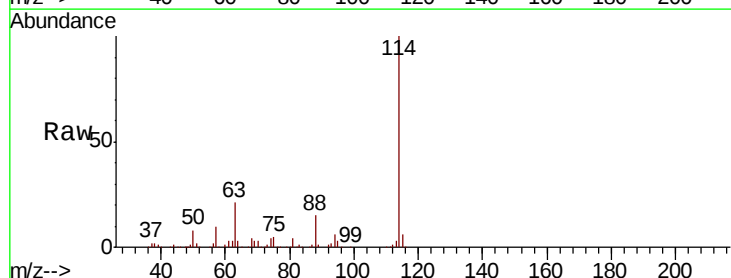
Tgt Ion: 114 Resp: 291086

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.4

88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VY002012.D (-1095) (-)

Ion 63.00 (62.70 to 63.70): VY002012.D (-1095) (-)

Ion 87.90 (87.60 to 88.60): VY002012.D (-1095) (-)

8.71

200000

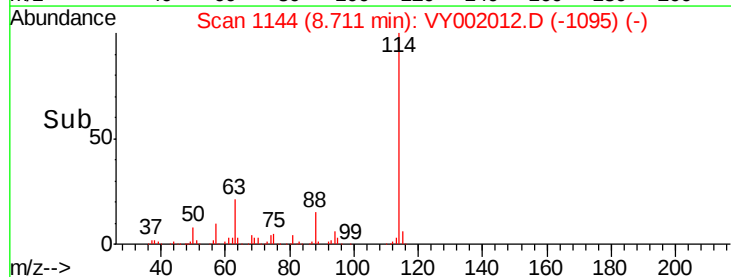
150000

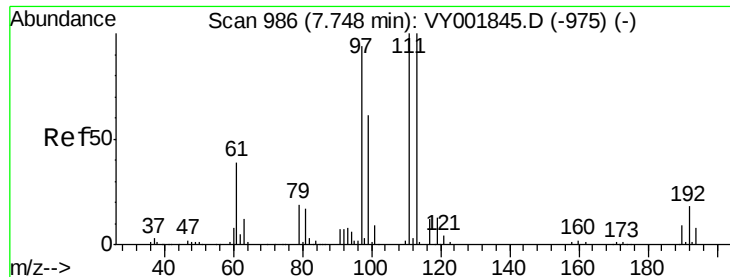
100000

50000

0

Time--> 8.60 8.70 8.80

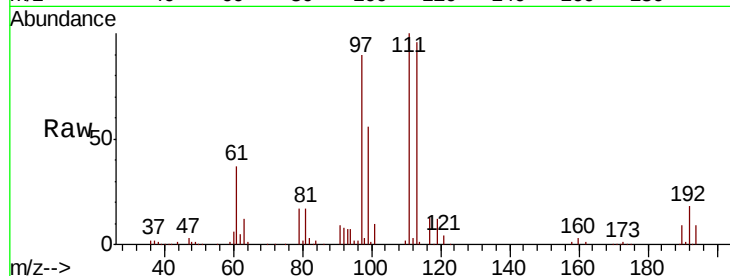




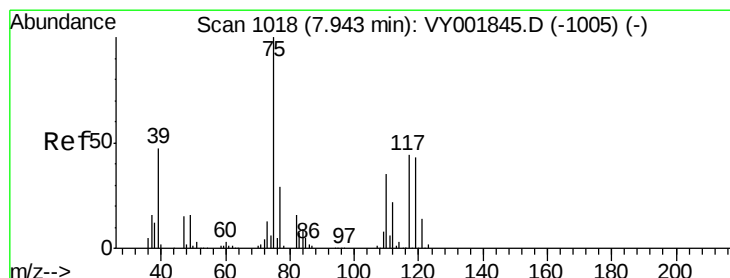
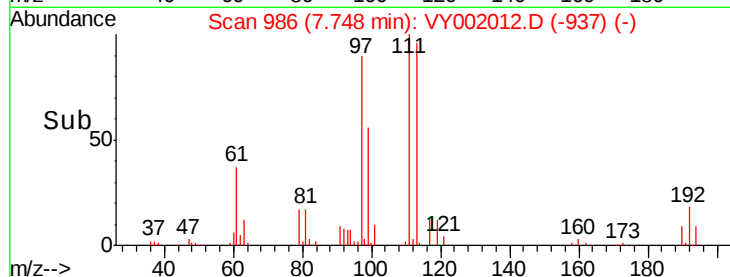
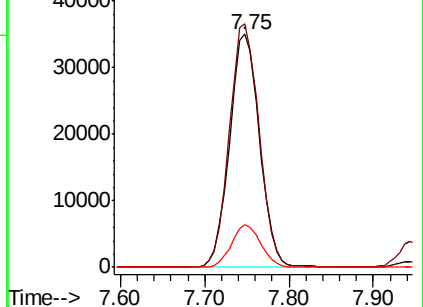
#35
 Dibromofluoromethane
 Concen: 53.016 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 84267
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.8 122.8
 192 17.9 14.2 21.2

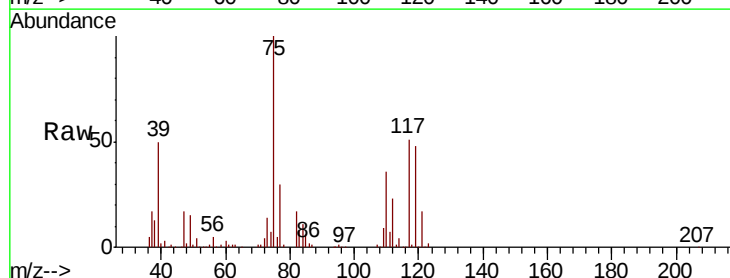


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

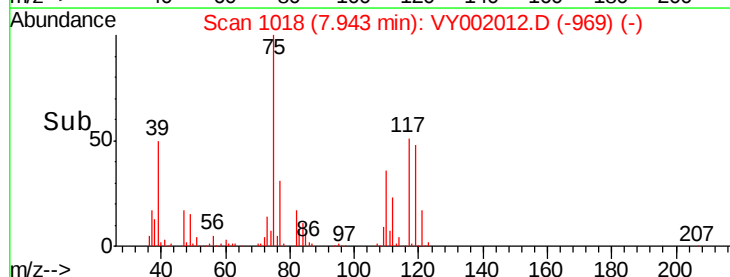
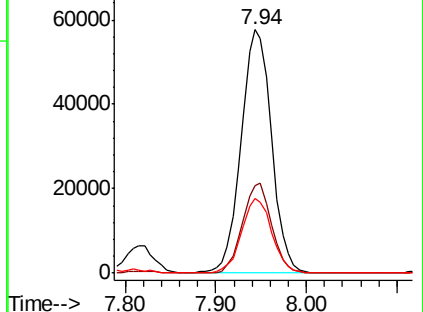


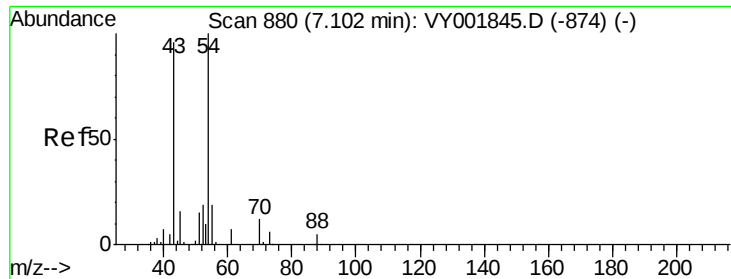
#36
 1,1-Dichloropropene
 Concen: 47.815 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

Tgt Ion: 75 Resp: 133936
 Ion Ratio Lower Upper
 75 100
 110 35.3 17.4 52.2
 77 30.6 24.2 36.2



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

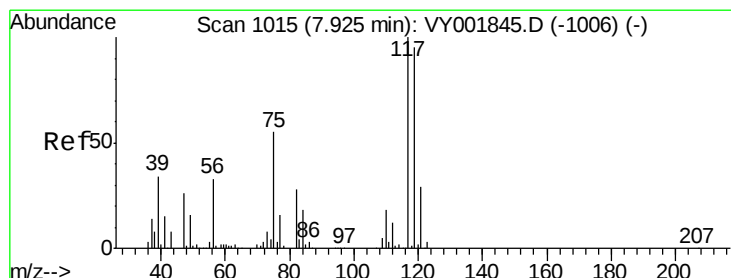
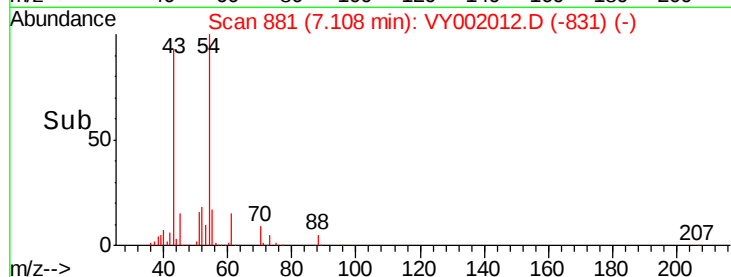
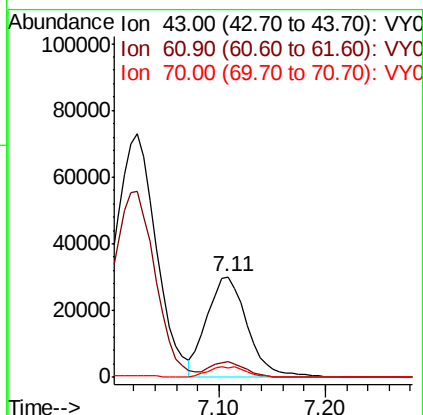
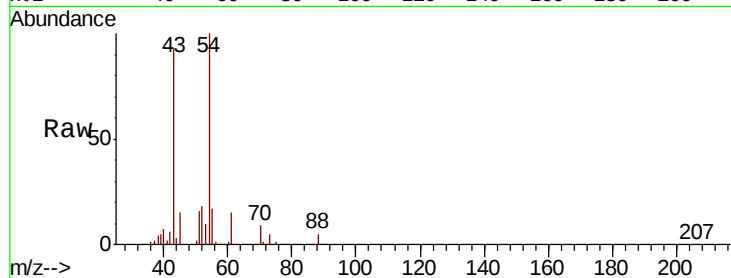




#37
Ethyl Acetate
Concen: 48.432 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

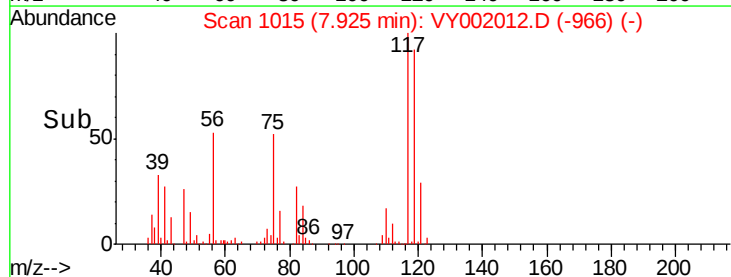
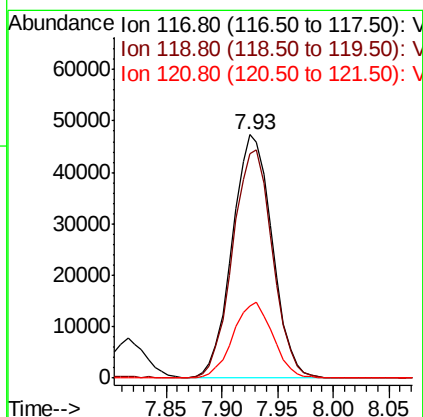
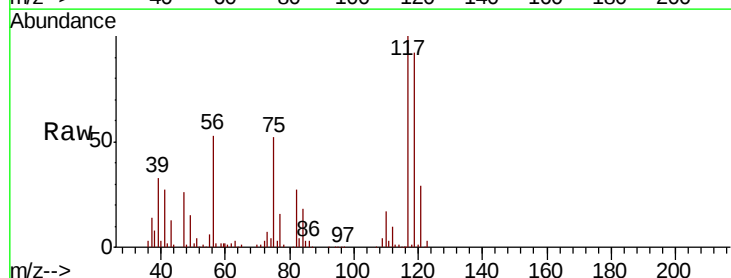
Instrument :
MSVOA_Y
ClientSampled :

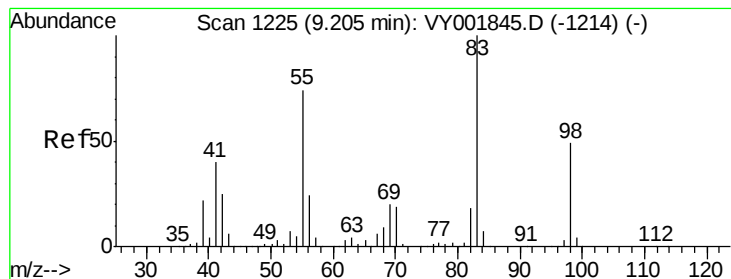
Tot Ion: 43 Resp: 78848
Ion Ratio Lower Upper
43 100
61 14.1 11.1 16.7
70 10.5 8.2 12.4



#38
Carbon Tetrachloride
Concen: 49.323 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Tgt Ion: 117 Resp: 118023
Ion Ratio Lower Upper
117 100
119 92.2 76.3 114.5
121 29.4 23.5 35.3

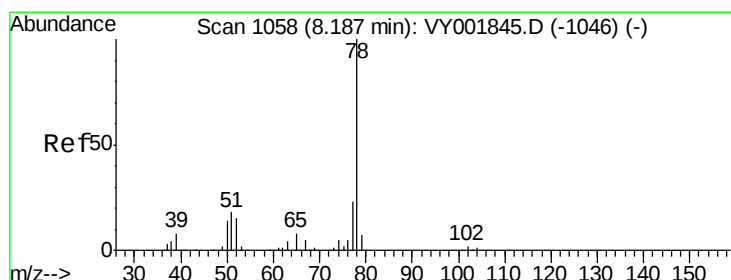
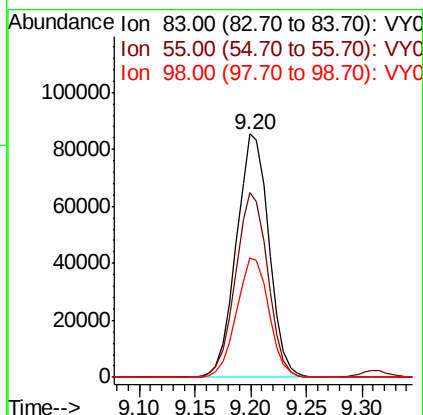
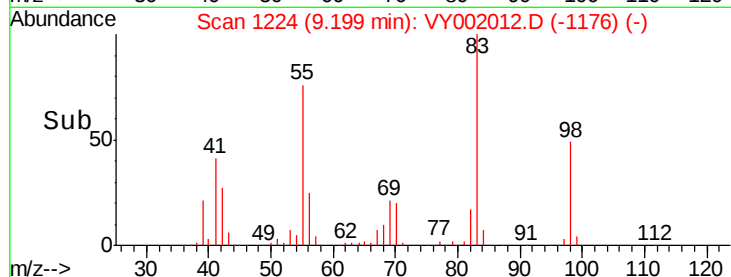
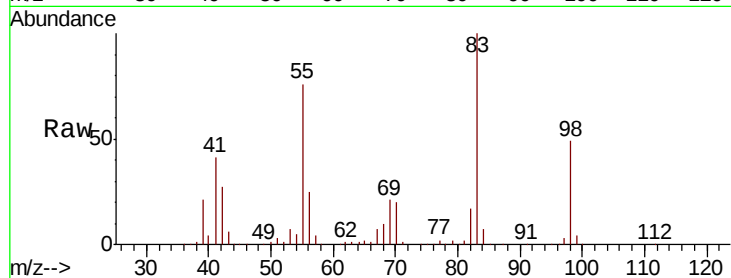




#39
Methvlcvclohexane
Concen: 46.609 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

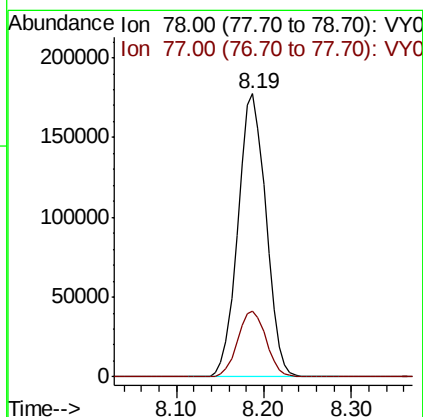
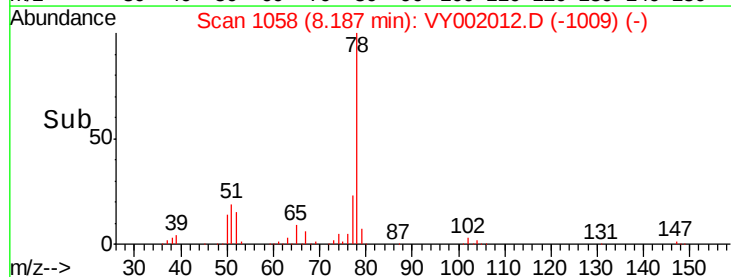
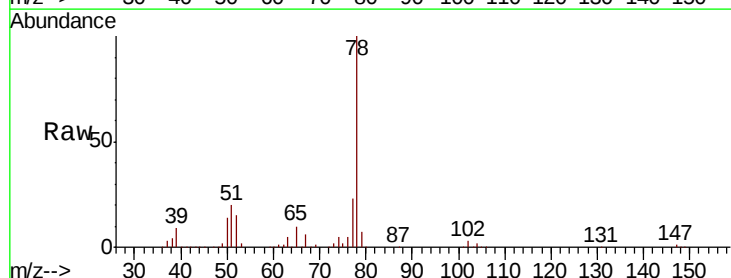
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 83 Resp: 173161
Ion Ratio Lower Upper
83 100
55 76.0 59.4 89.0
98 48.9 38.9 58.3



#40
Benzene
Concen: 47.679 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Tgt Ion: 78 Resp: 395854
Ion Ratio Lower Upper
78 100
77 23.3 18.7 28.1

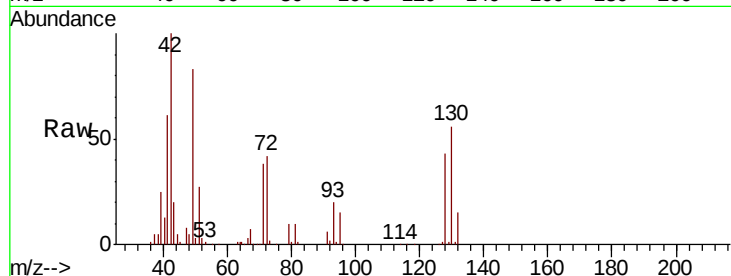




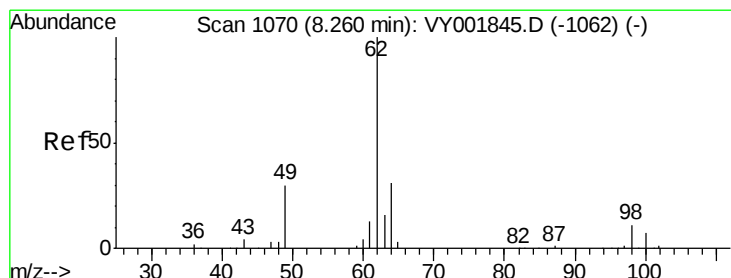
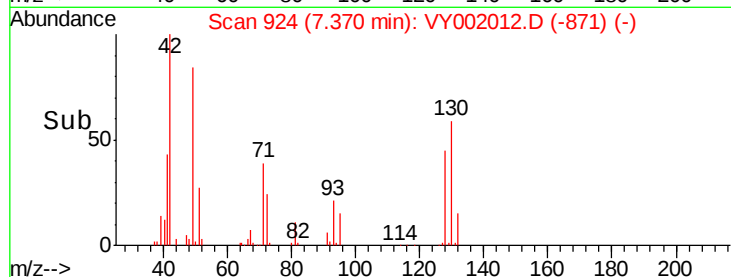
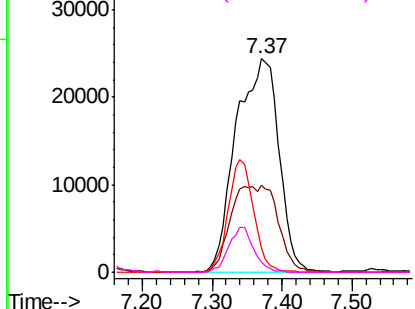
#41
Methacrylonitrile
Concen: 141.904 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.03 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 41 Resp: 103969
Ion Ratio Lower Upper
41 100
39 25.9 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

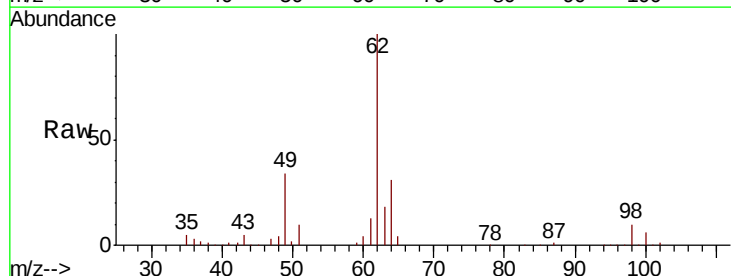


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

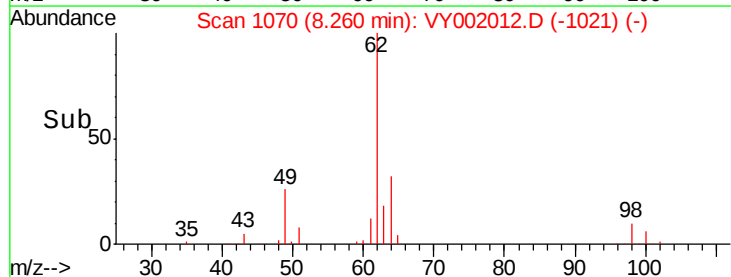
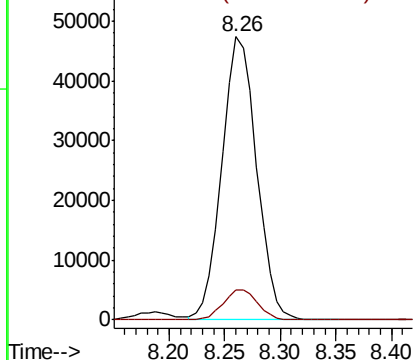


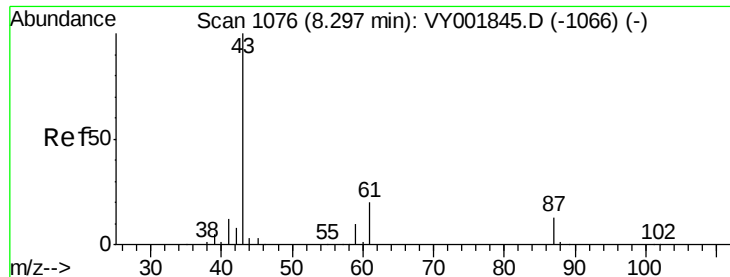
#42
1,2-Dichloroethane
Concen: 47.916 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Tgt Ion: 62 Resp: 102512
Ion Ratio Lower Upper
62 100
98 10.7 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0

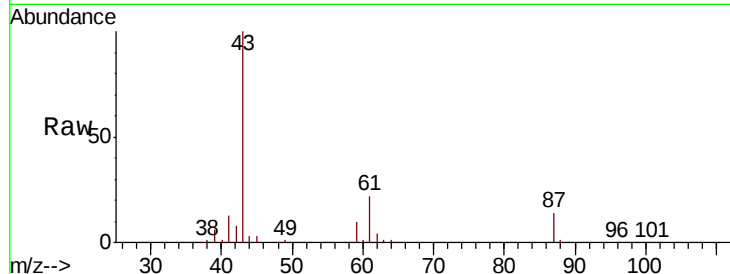




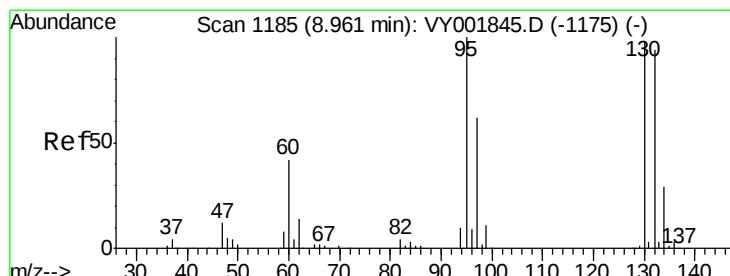
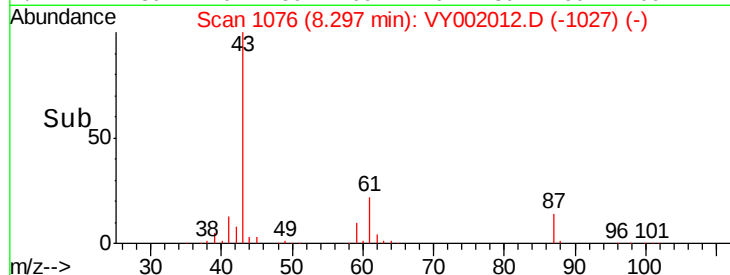
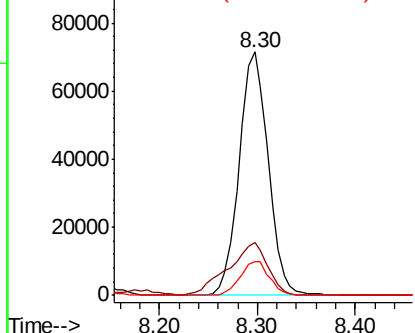
#43
Isopropyl Acetate
Concen: 47.769 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 147238
Ion Ratio Lower Upper
43 100
61 29.5 23.8 35.6
87 13.8 10.9 16.3

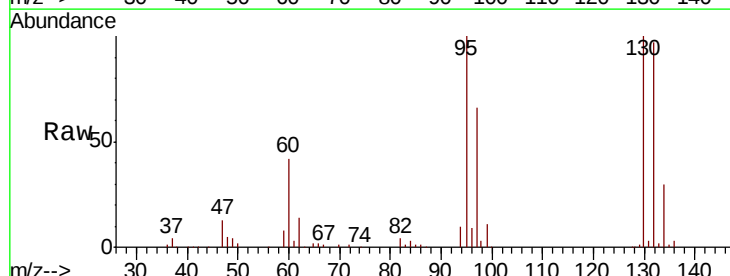


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

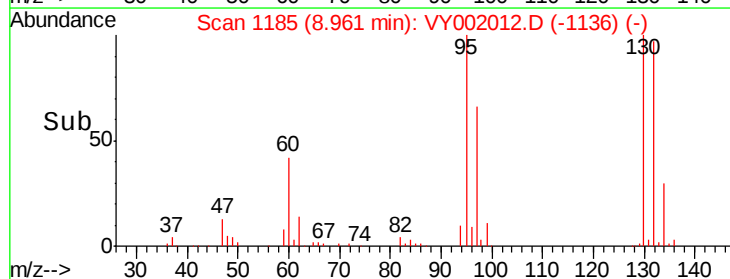
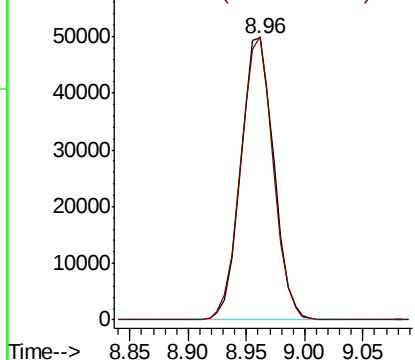


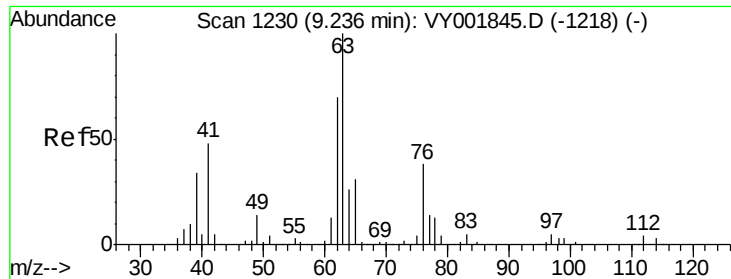
#44
Trichloroethene
Concen: 48.572 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Tgt Ion:130 Resp: 98213
Ion Ratio Lower Upper
130 100
95 100.5 0.0 204.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0

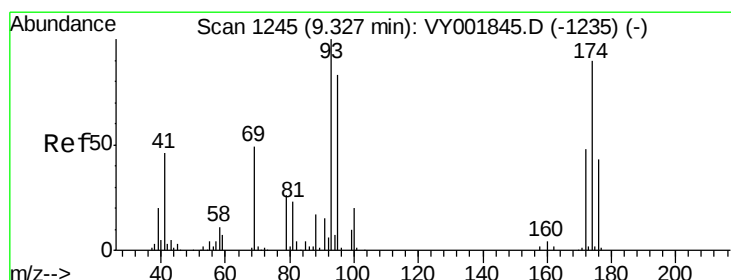
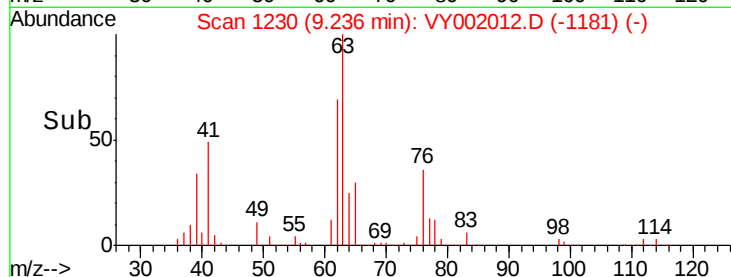
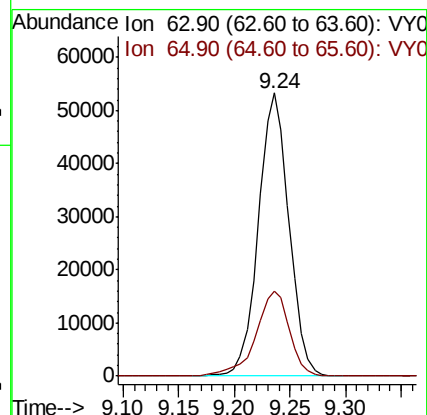
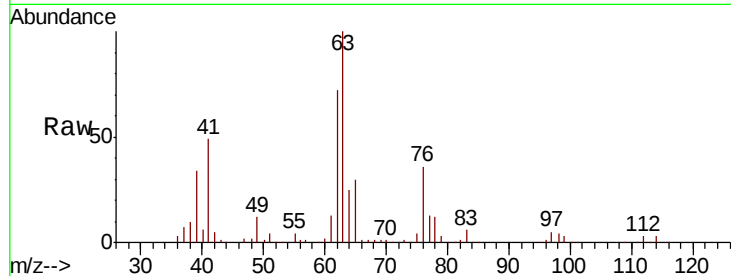




#45
 1,2-Dichloropropane
 Concen: 48.840 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

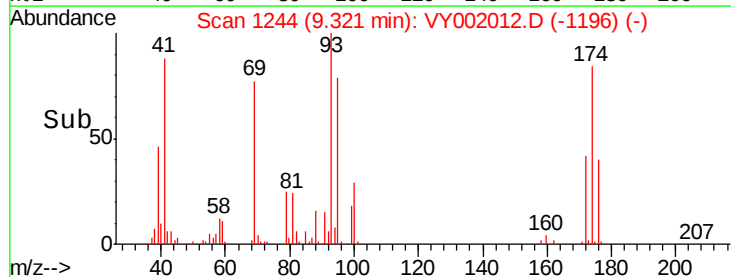
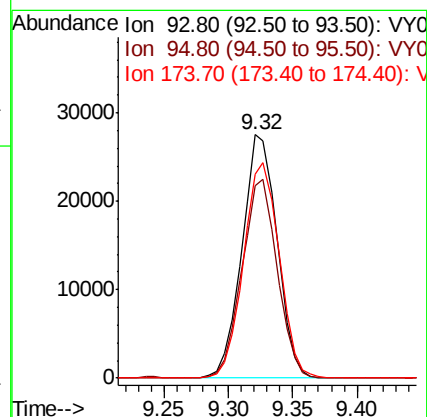
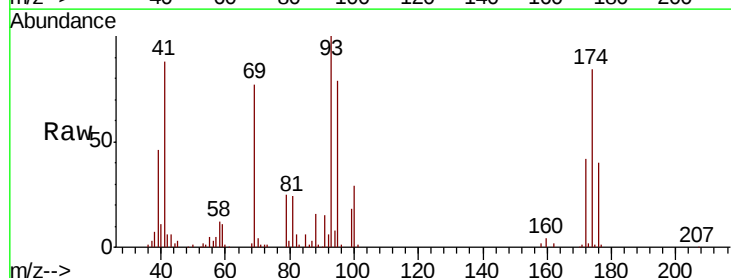
Instrument :
 MSVOA_Y
 ClientSampled :

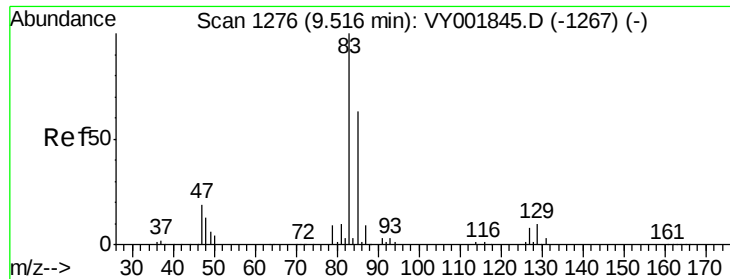
Tot Ion: 63 Resp: 101934
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.9 37.3



#46
 Dibromomethane
 Concen: 48.310 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

Tgt Ion: 93 Resp: 51960
 Ion Ratio Lower Upper
 93 100
 95 81.7 67.0 100.4
 174 89.8 71.8 107.8

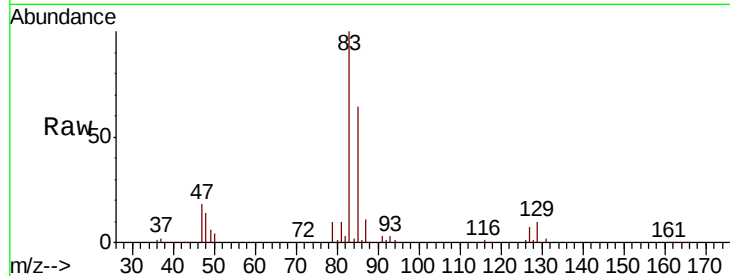




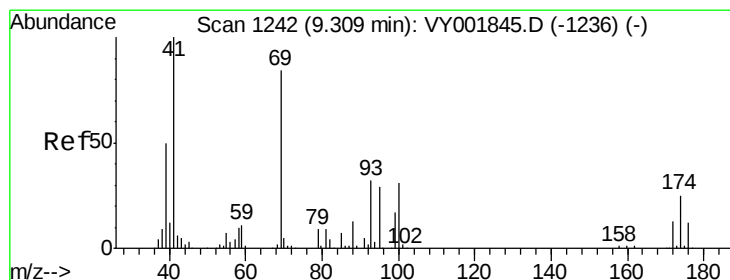
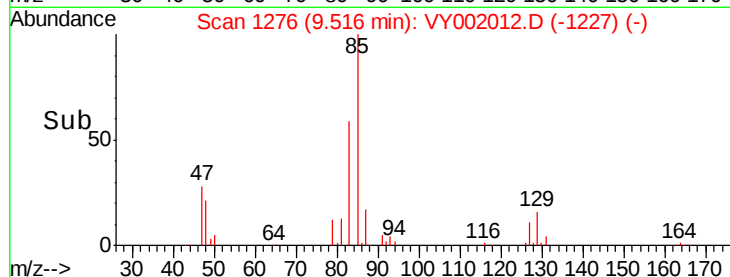
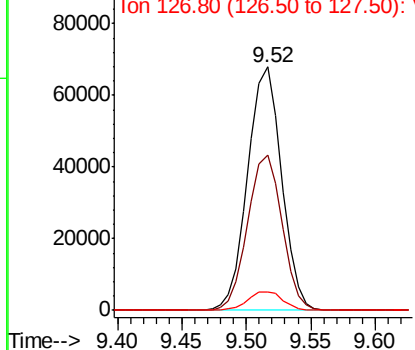
#47
Bromodichloromethane
Concen: 49.407 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 83 Resp: 123613
Ion Ratio Lower Upper
83 100
85 63.9 50.6 76.0
127 7.3 6.2 9.4

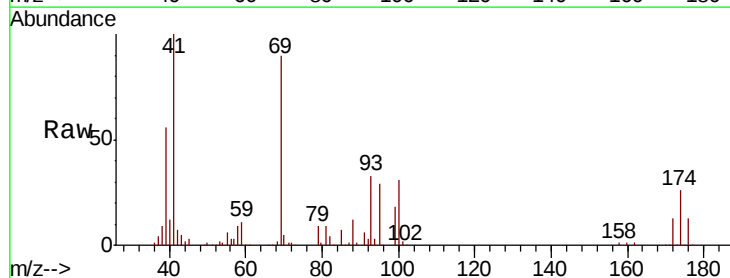


Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V

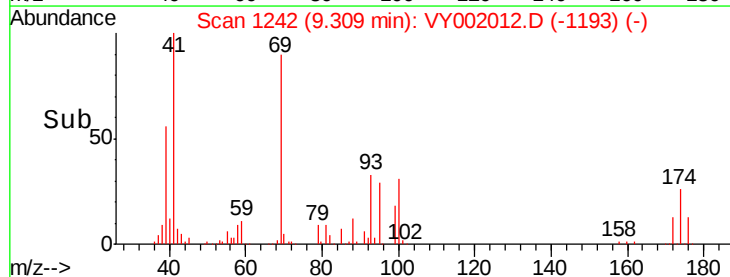
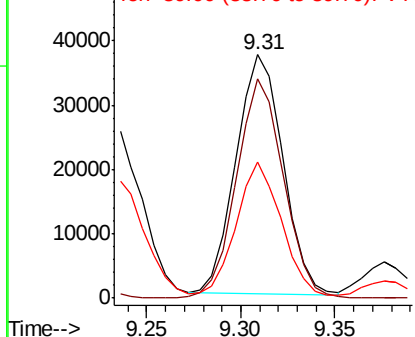


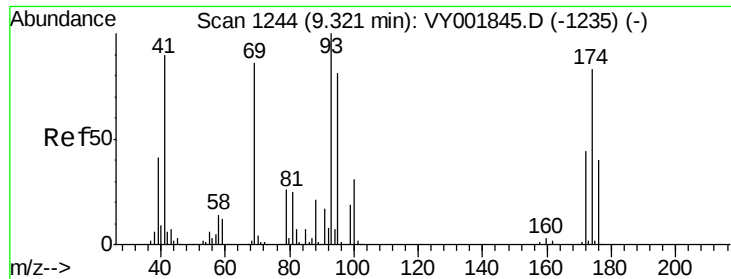
#48
Methyl methacrylate
Concen: 47.189 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Tgt Ion: 41 Resp: 64541
Ion Ratio Lower Upper
41 100
69 91.8 69.0 103.6
39 52.7 39.1 58.7



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

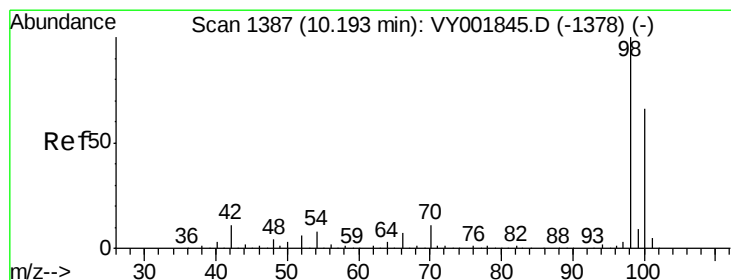
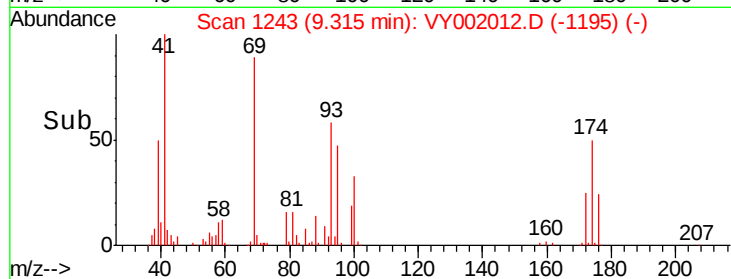
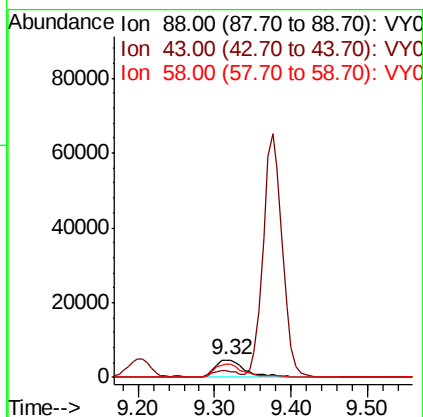
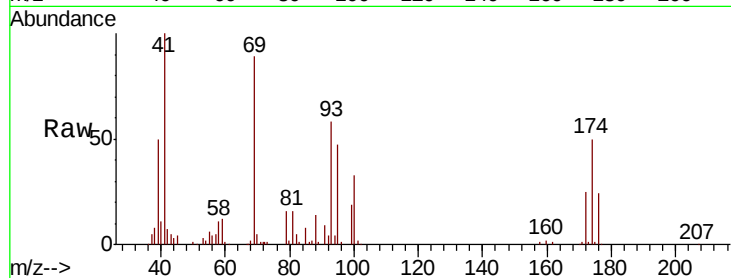




#49
1,4-Dioxane
Concen: 885.152 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

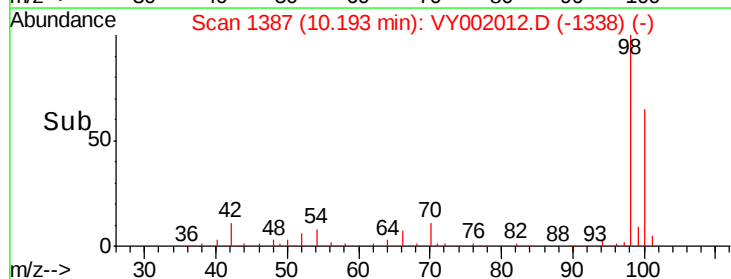
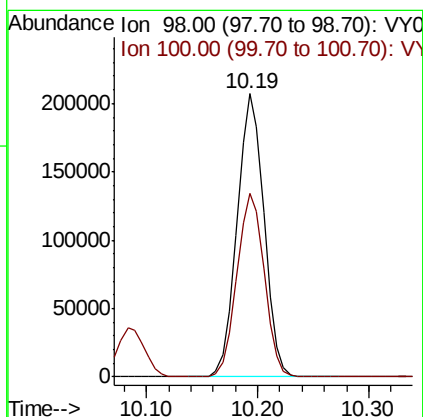
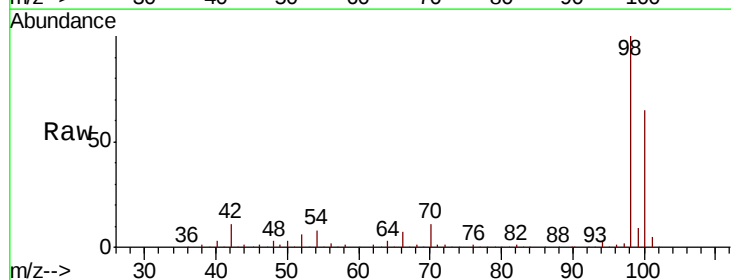
Instrument :
MSVOA_Y
ClientSampleId :

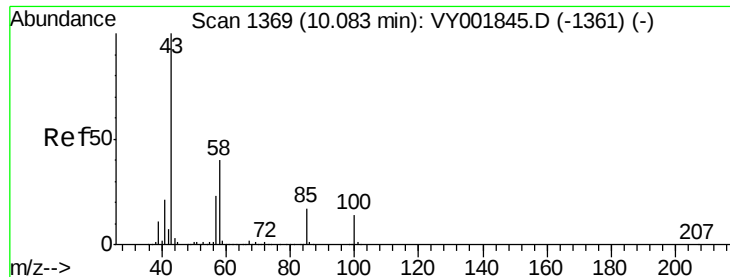
Tot Ion: 88 Resp: 13045
Ion Ratio Lower Upper
88 100
43 30.5 25.0 37.6
58 69.6 58.9 88.3



#50
Toluene-d8
Concen: 51.612 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Tgt Ion: 98 Resp: 345930
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 249.165 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

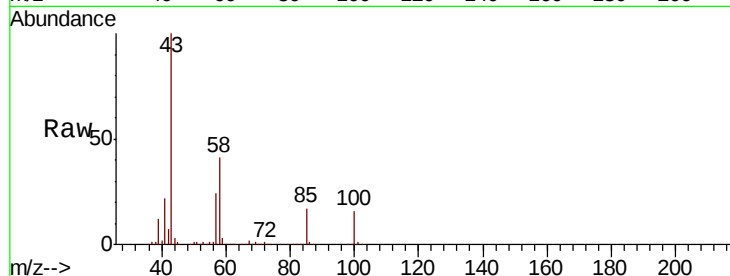
ClientSampleId :

Tot Ion: 43 Resp: 395575

Ion Ratio Lower Upper

43 100

58 40.5 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1361) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-1361) (-)

10.08

250000

200000

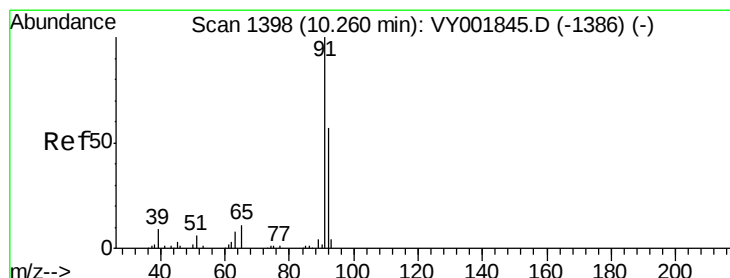
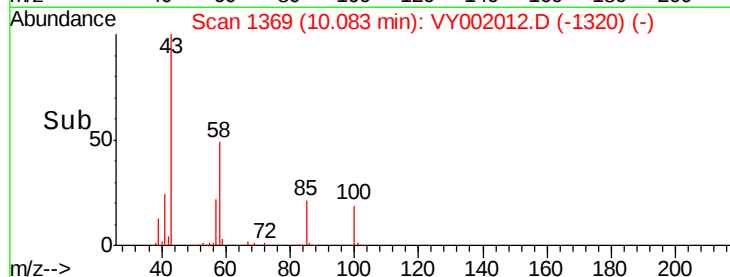
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 48.472 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VY002012.D

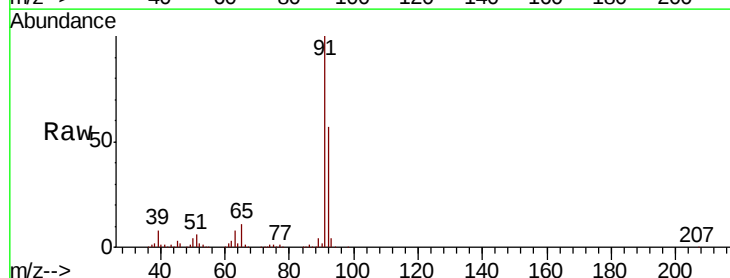
Acq: 19 Mar 2020 11:20

Tgt Ion: 92 Resp: 244475

Ion Ratio Lower Upper

92 100

91 171.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY001845.D (-1386) (-)

Ion 91.00 (90.70 to 91.70): VY001845.D (-1386) (-)

10.26

250000

200000

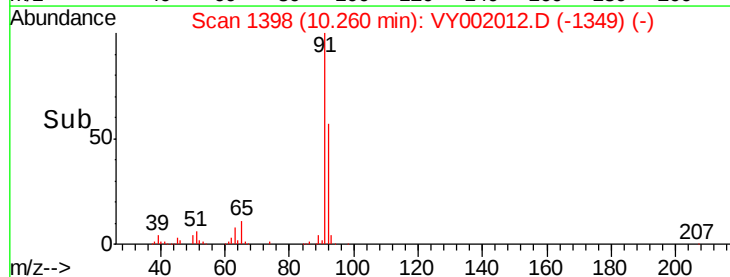
150000

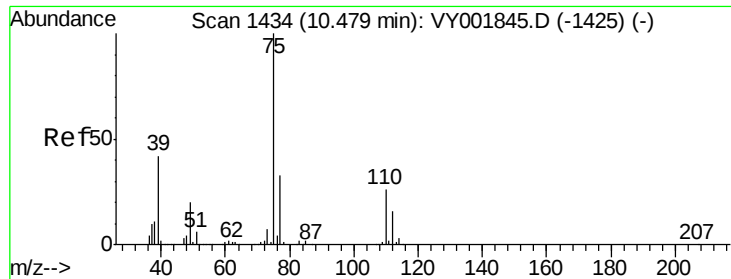
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.382 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

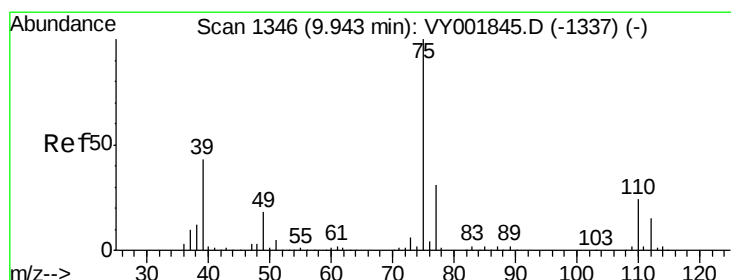
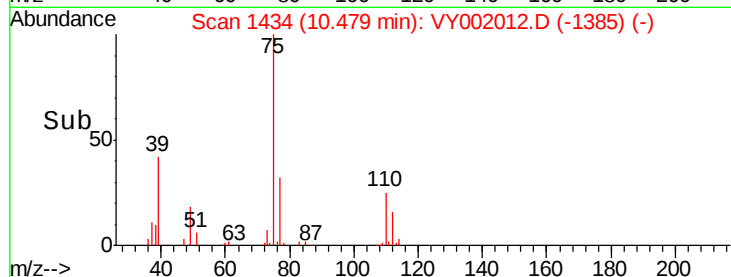
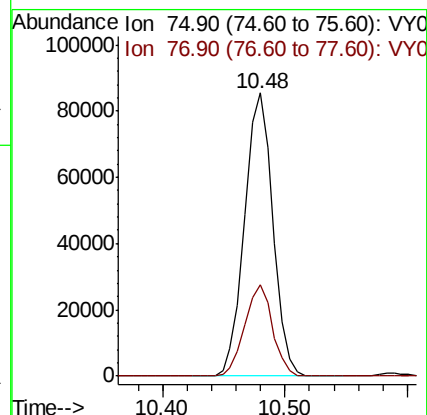
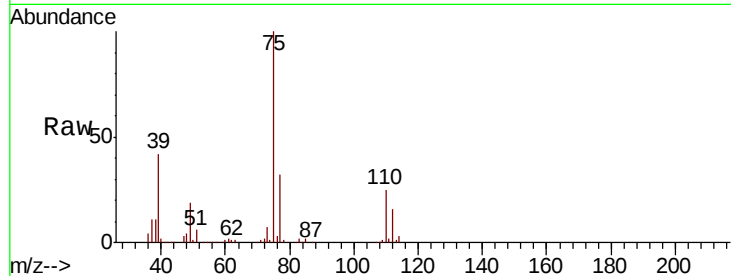
ClientSampleId :

Tot Ion: 75 Resp: 137330

Ion Ratio Lower Upper

75 100

77 32.3 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 49.600 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

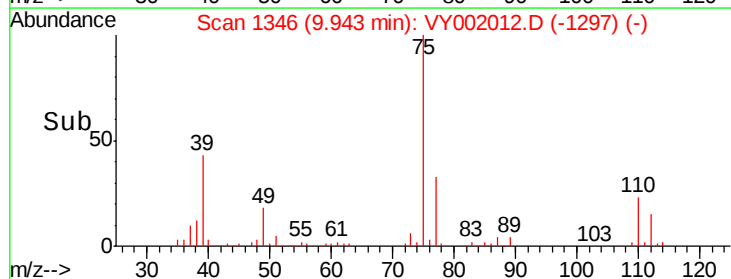
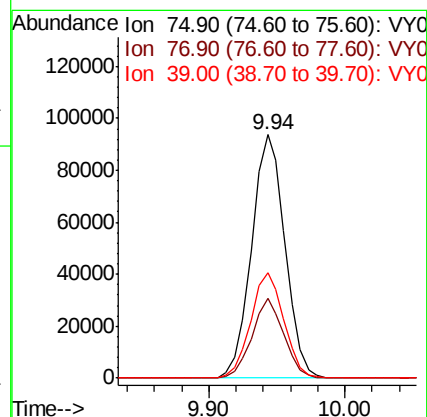
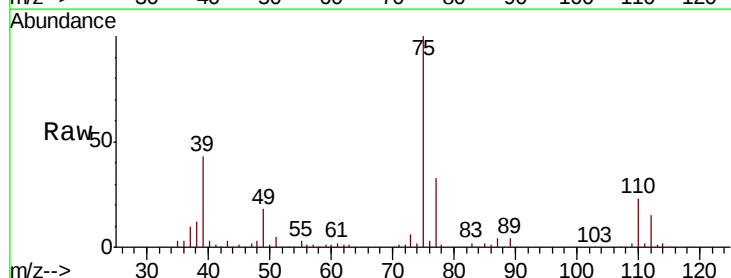
Tgt Ion: 75 Resp: 160950

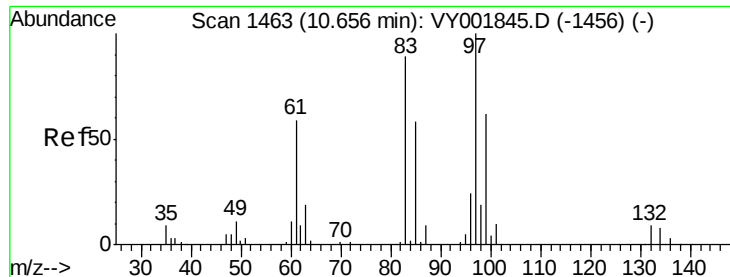
Ion Ratio Lower Upper

75 100

77 32.6 25.1 37.7

39 43.4 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 48.760 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 76751

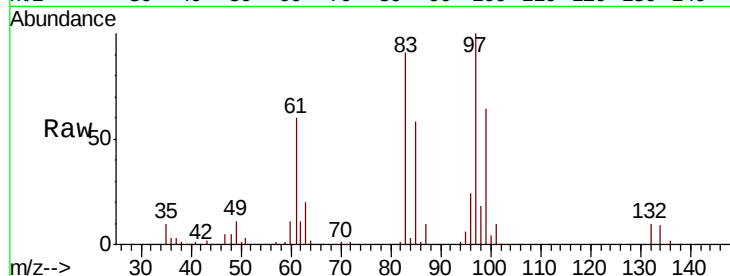
Ion Ratio Lower Upper

97 100

83 90.3 71.6 107.4

85 58.0 46.6 69.8

99 64.3 49.8 74.6

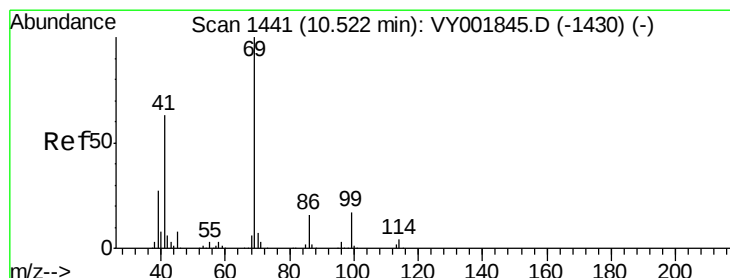
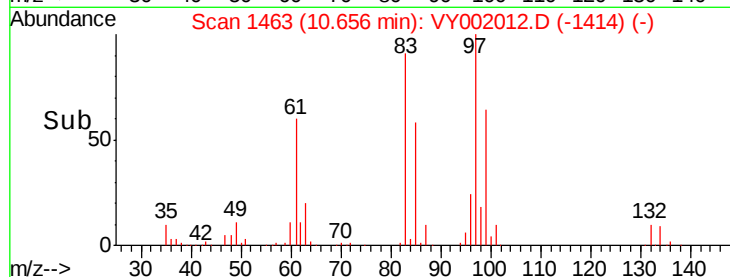
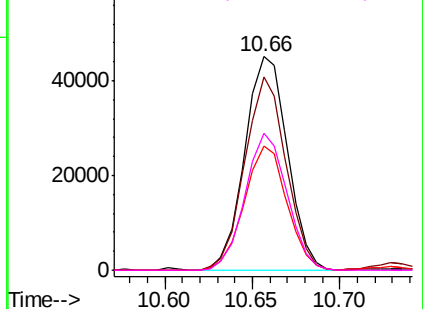


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 49.623 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

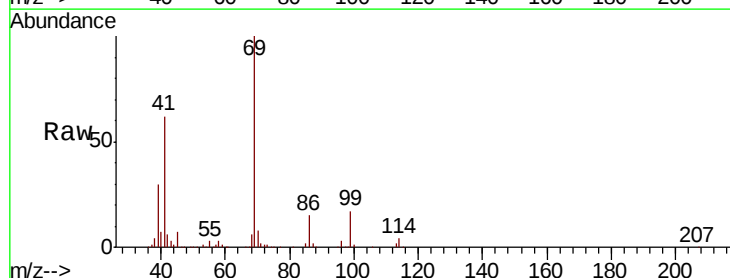
Tgt Ion: 69 Resp: 114488

Ion Ratio Lower Upper

69 100

41 63.1 49.9 74.9

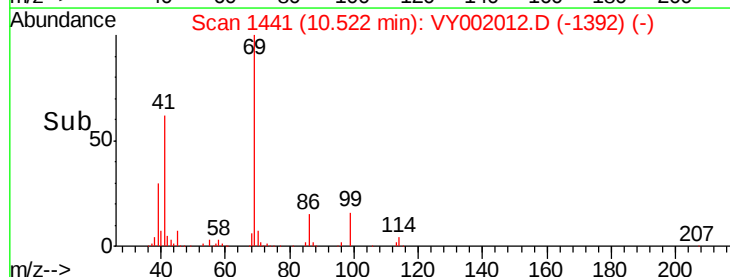
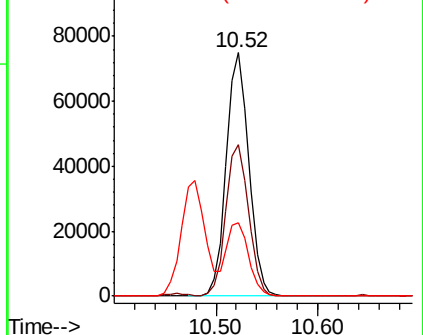
39 28.7 23.0 34.6



Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

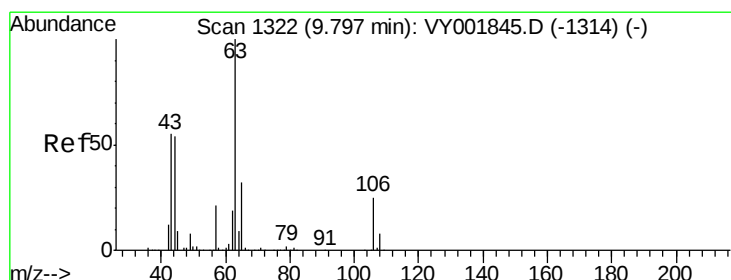
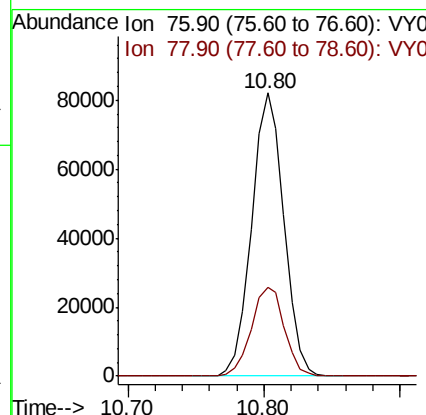
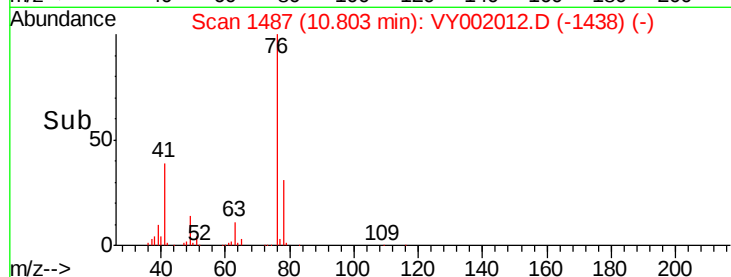
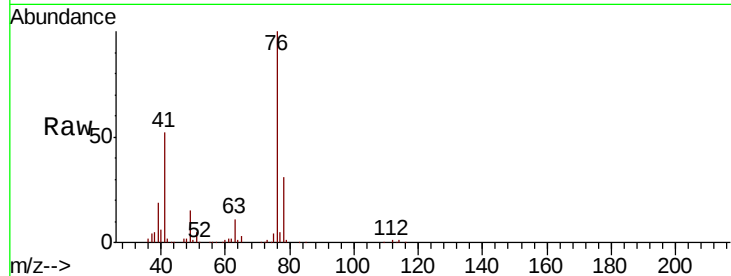




#57
 1,3-Dichloropropane
 Concen: 48.457 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

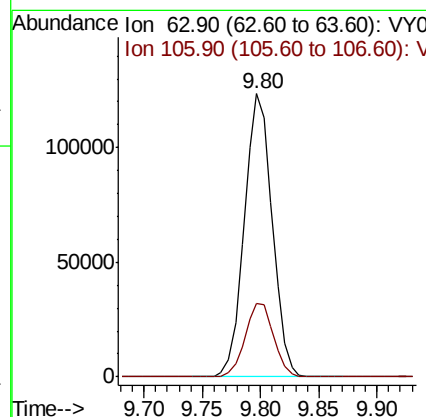
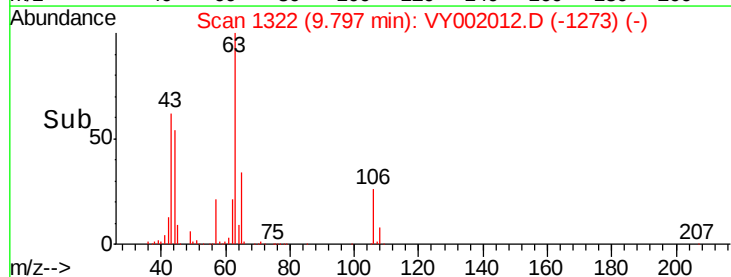
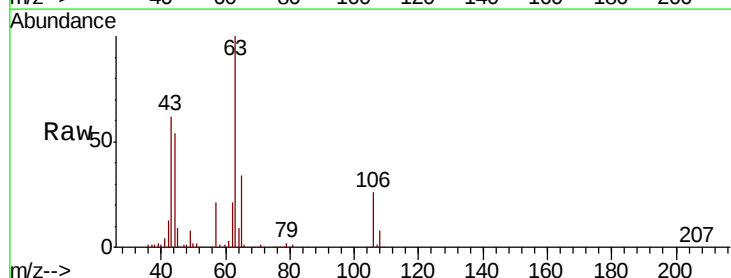
Instrument :
 MSVOA_Y
 ClientSampled :

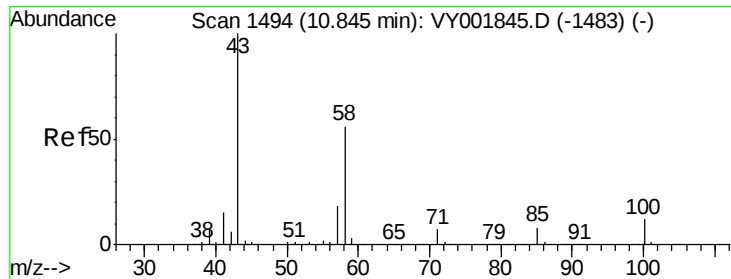
Tot Ion: 76 Resp: 135960
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.278 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

Tgt Ion: 63 Resp: 206046
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.3 31.9

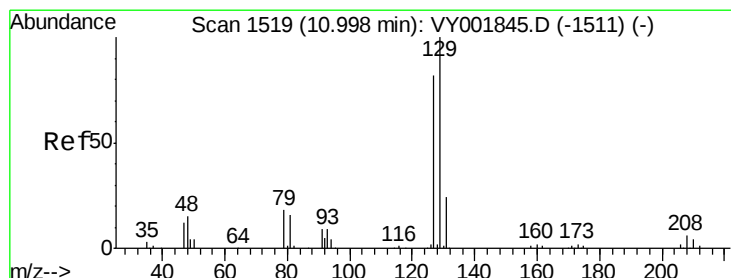
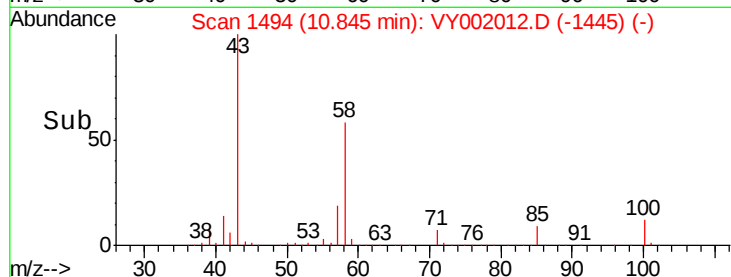
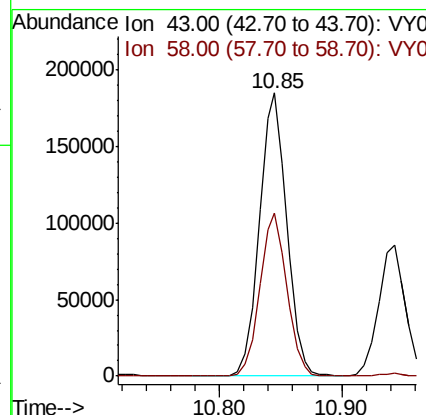
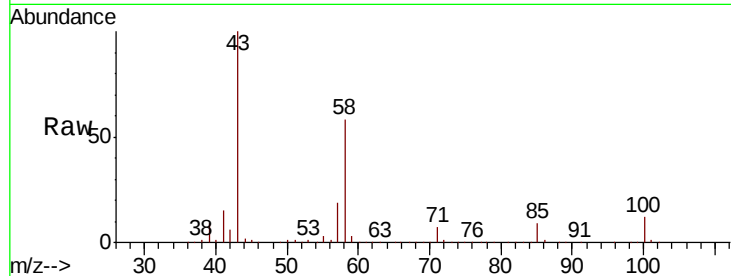




#59
2-Hexanone
Concen: 253.534 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

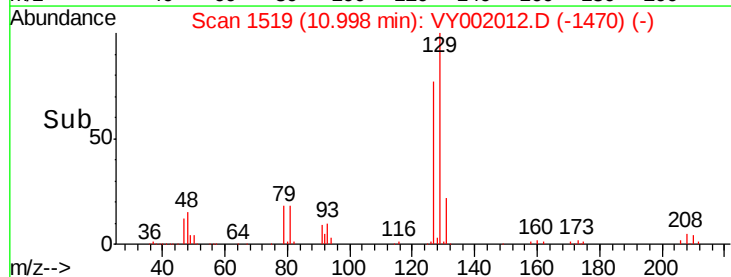
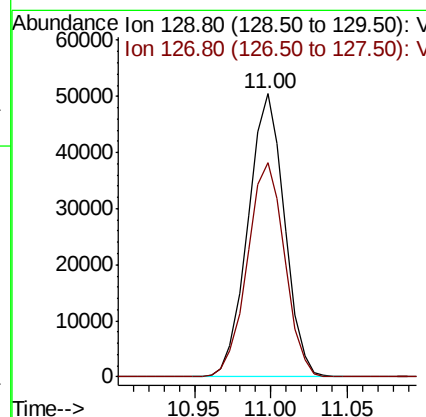
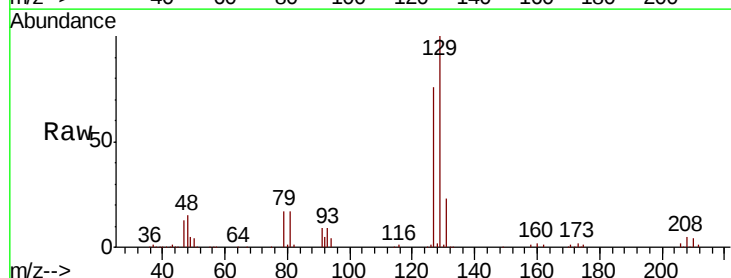
Instrument :
MSVOA_Y
ClientSampleId :

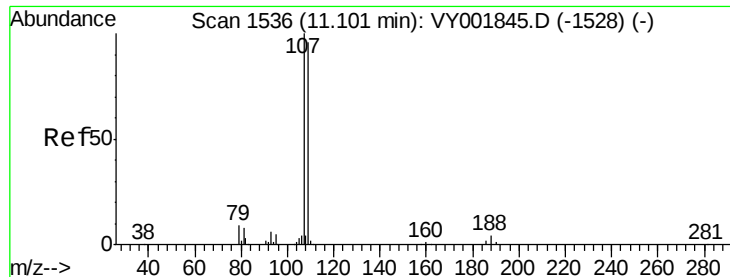
Tot Ion: 43 Resp: 287295
Ion Ratio Lower Upper
43 100
58 56.8 28.1 84.3



#60
Dibromochloromethane
Concen: 50.390 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Tgt Ion: 129 Resp: 83578
Ion Ratio Lower Upper
129 100
127 77.4 39.0 117.0

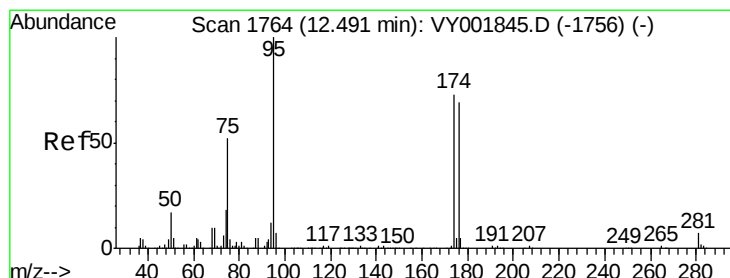
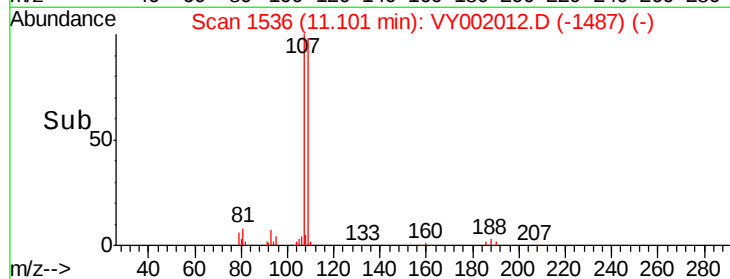
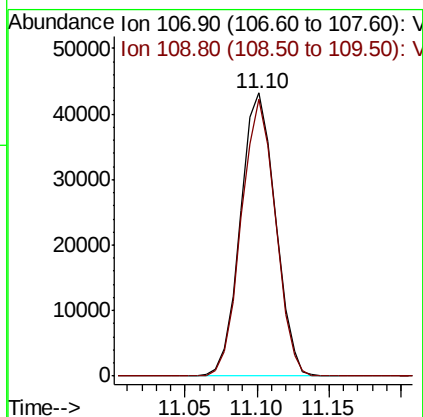
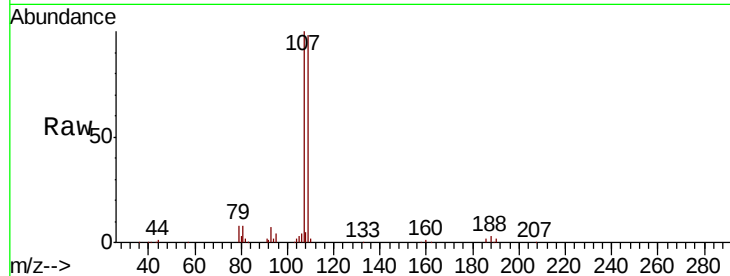




#61
 1,2-Dibromoethane
 Concen: 48.825 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

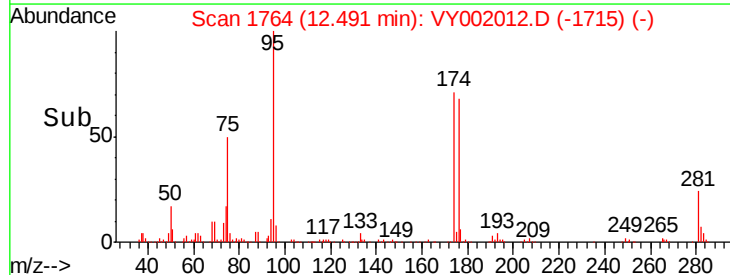
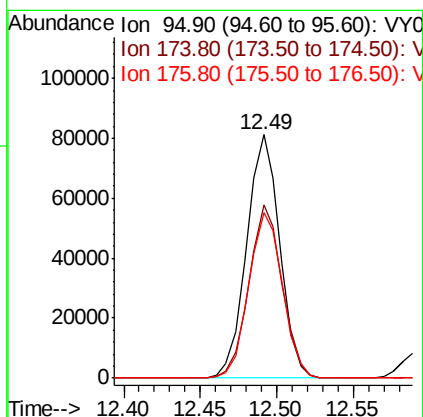
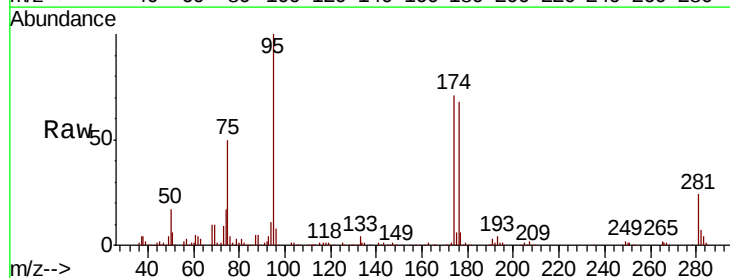
Instrument :
 MSVOA_Y
 ClientSampleId :

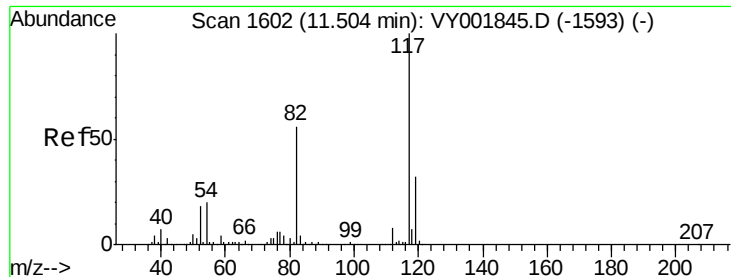
Tot Ion: 107 Resp: 72799
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 52.212 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

Tgt Ion: 95 Resp: 121681
 Ion Ratio Lower Upper
 95 100
 174 71.6 0.0 145.0
 176 69.4 0.0 137.4

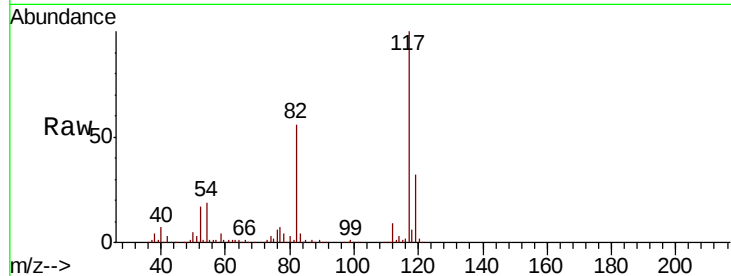




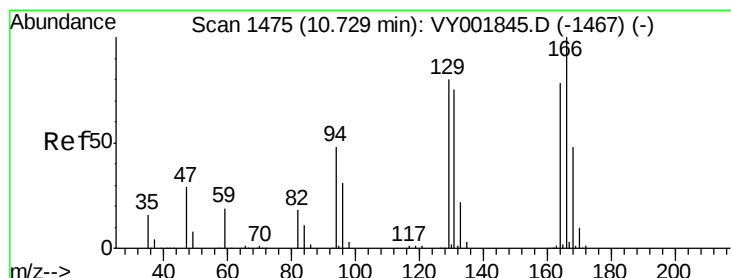
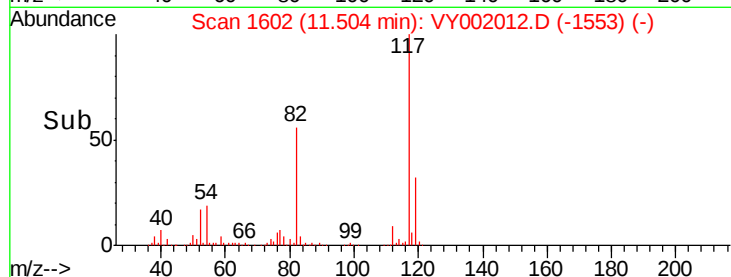
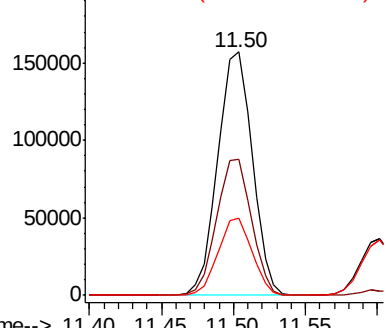
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 261384
Ion Ratio Lower Upper
117 100
82 55.7 44.5 66.7
119 31.8 25.7 38.5

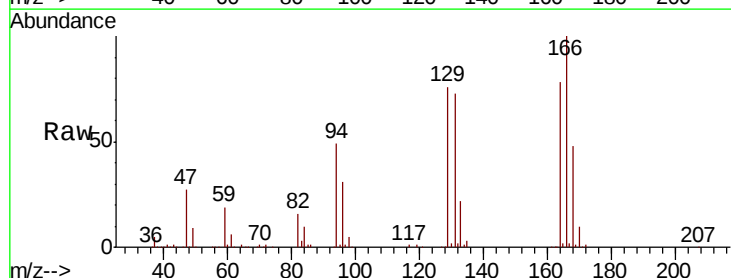


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

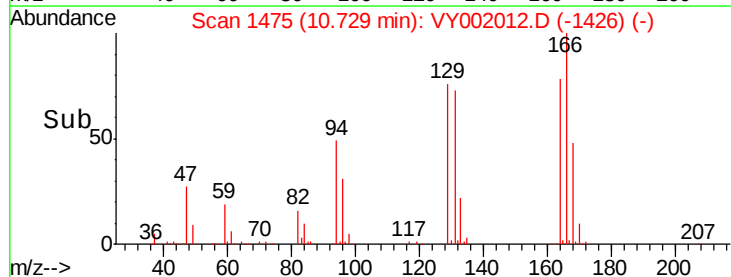
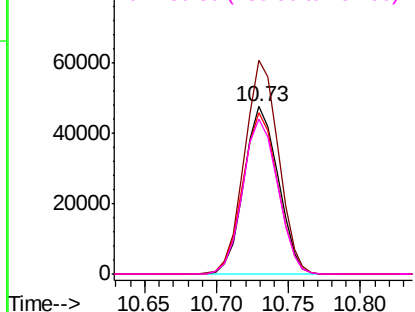


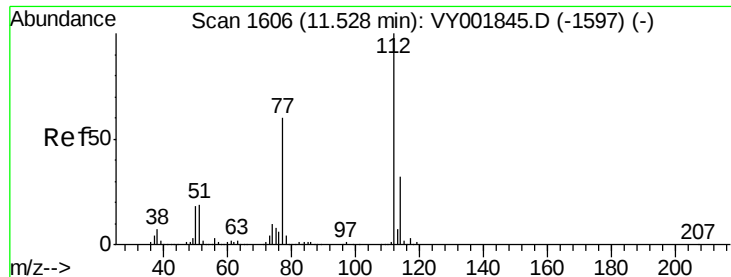
#64
Tetrachloroethene
Concen: 47.854 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Tgt Ion:164 Resp: 78442
Ion Ratio Lower Upper
164 100
166 127.5 102.6 154.0
129 96.6 82.3 123.5
131 92.7 77.4 116.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.510 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

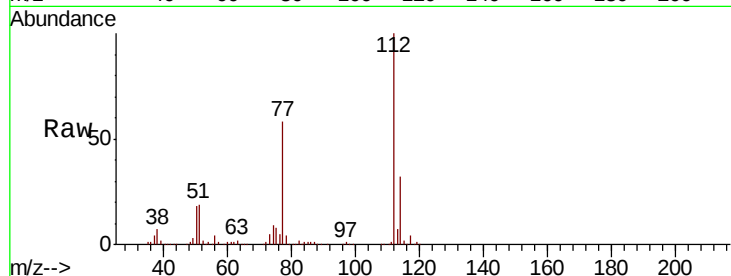
ClientSampleId :

Tot Ion:112 Resp: 252650

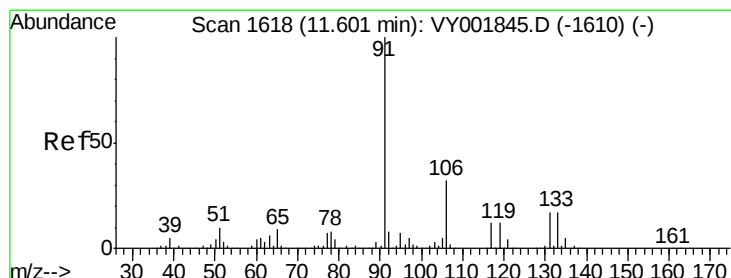
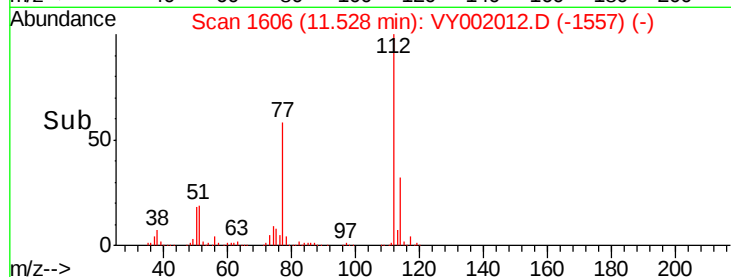
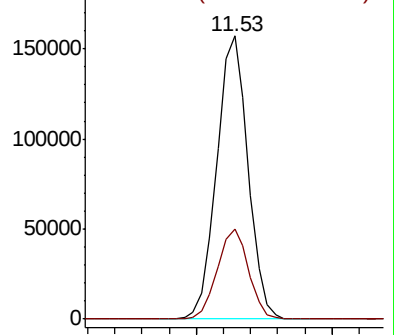
Ion Ratio Lower Upper

112 100

114 31.6 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.652 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

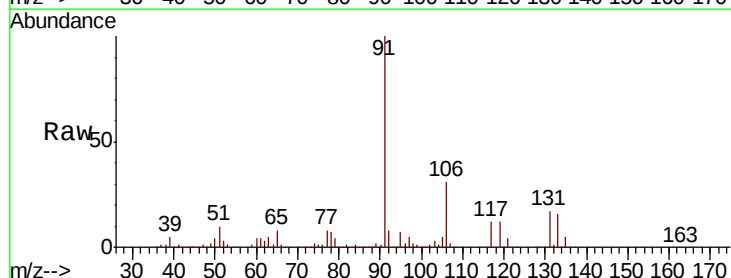
Tgt Ion:131 Resp: 84802

Ion Ratio Lower Upper

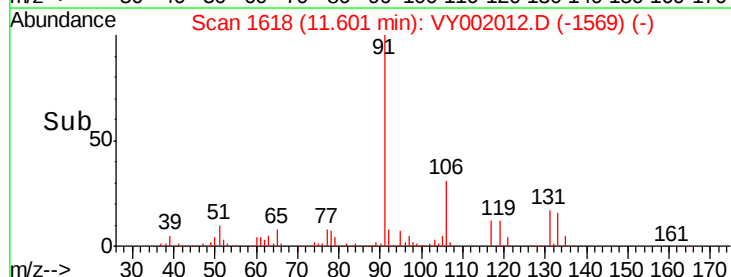
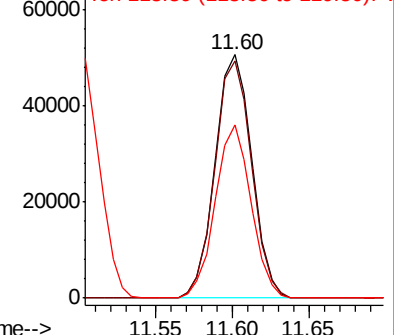
131 100

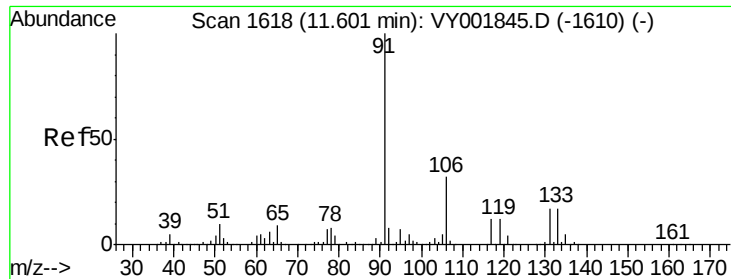
133 97.5 47.1 141.3

119 69.5 34.5 103.6



Abundance Ion 130.80 (130.50 to 131.50): V

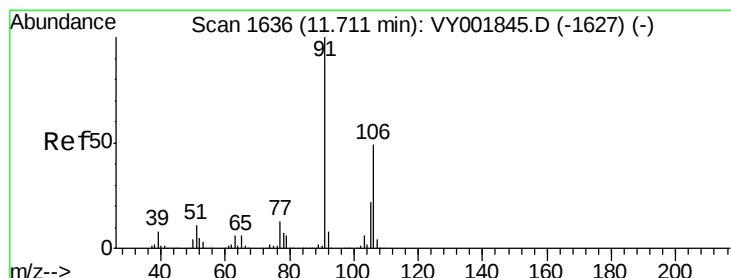
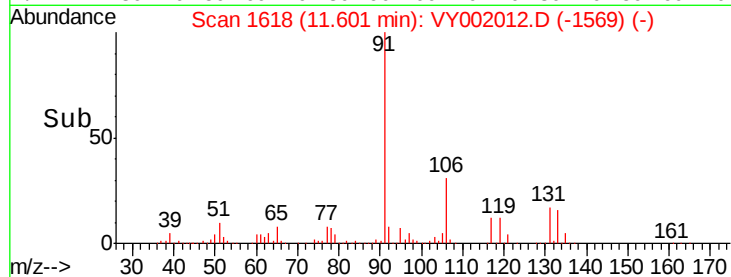
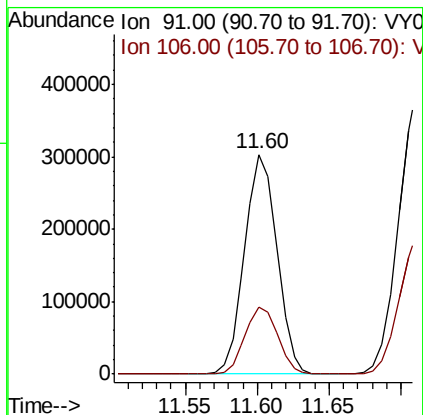
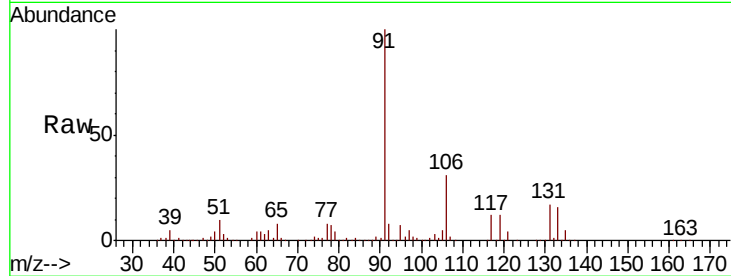




#67
Ethyl Benzene
Concen: 48.614 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

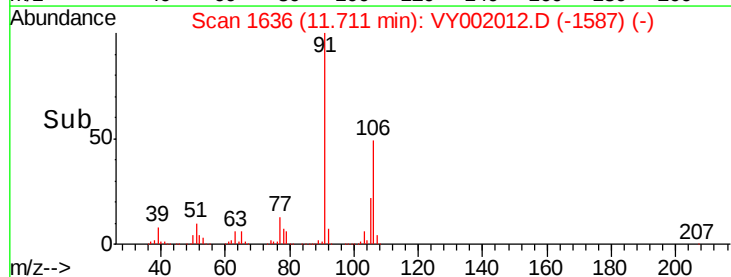
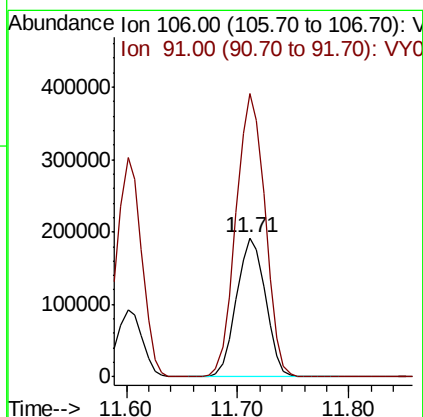
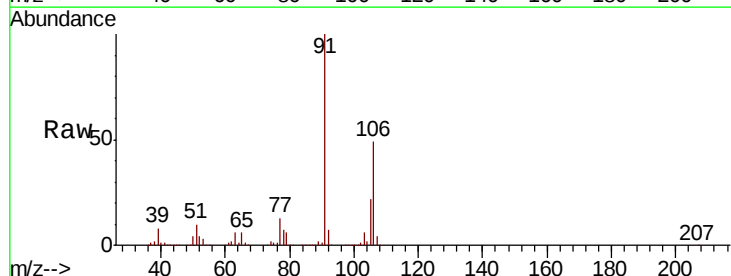
Instrument :
MSVOA_Y
ClientSampled :

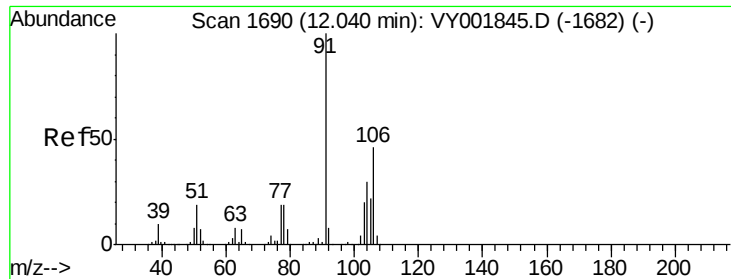
Tot Ion: 91 Resp: 472200
Ion Ratio Lower Upper
91 100
106 30.6 25.4 38.2



#68
m/p-Xylenes
Concen: 96.787 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Tgt Ion: 106 Resp: 347571
Ion Ratio Lower Upper
106 100
91 203.5 161.3 241.9

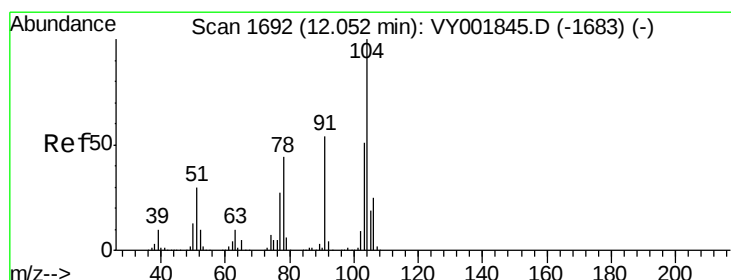
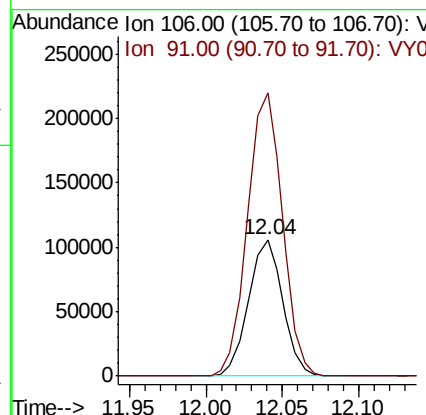
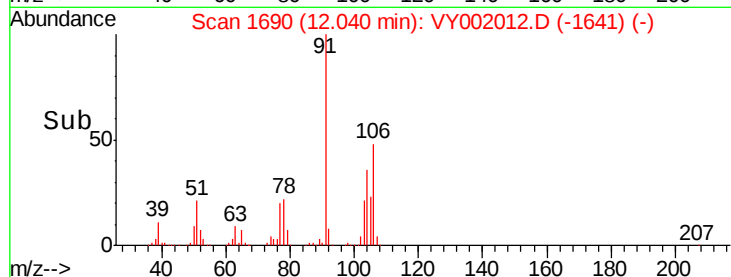
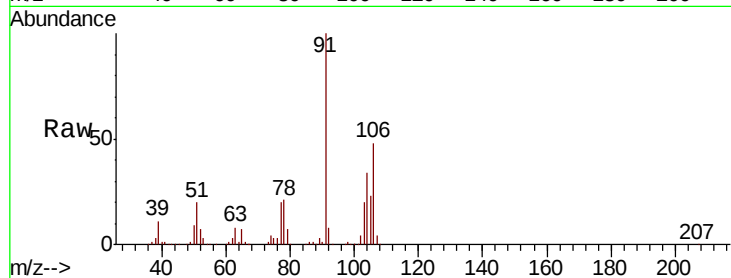




#69
o-Xylene
Concen: 48.710 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

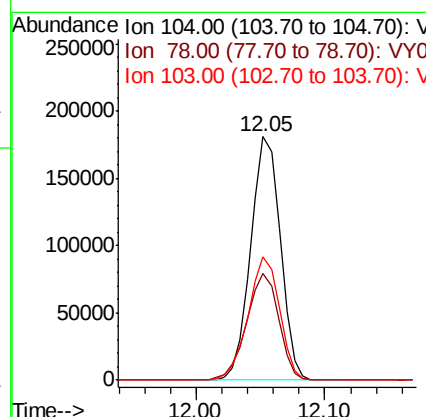
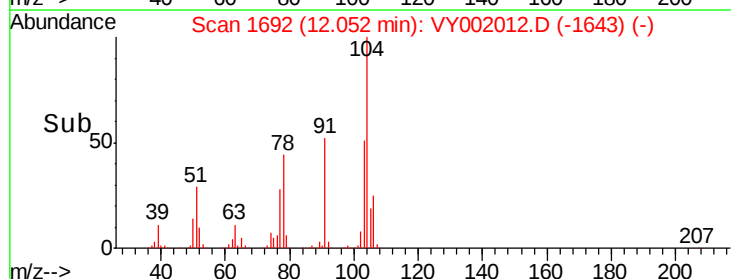
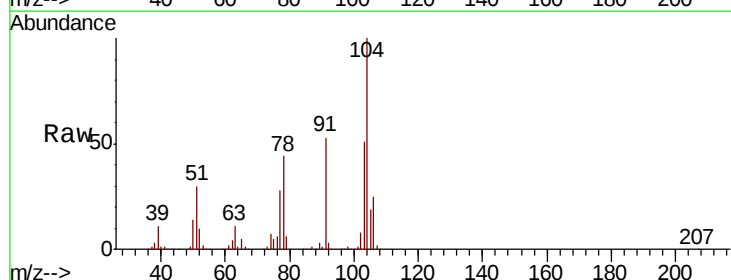
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:106 Resp: 164870
Ion Ratio Lower Upper
106 100
91 212.0 106.8 320.4



#70
Styrene
Concen: 49.576 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Tgt Ion:104 Resp: 287392
Ion Ratio Lower Upper
104 100
78 47.6 38.5 57.7
103 53.5 42.9 64.3





#71

Bromoform

Concen: 51.222 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

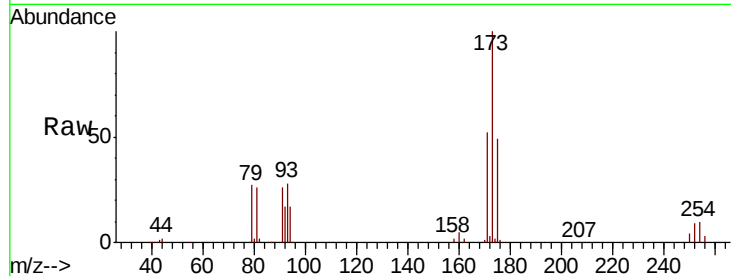
Tot Ion:173 Resp: 47444

Ion Ratio Lower Upper

173 100

175 48.2 24.3 72.8

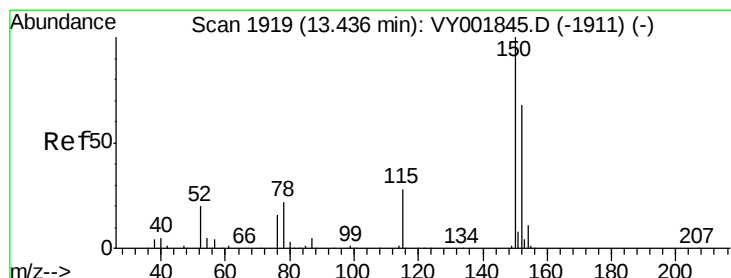
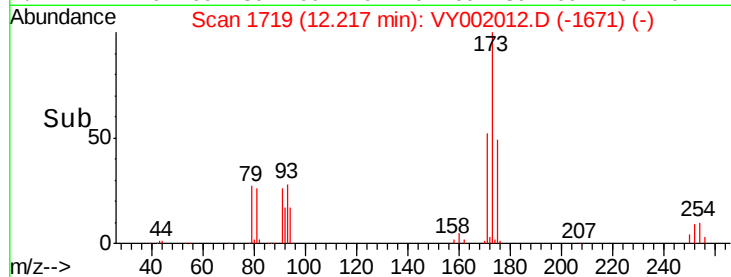
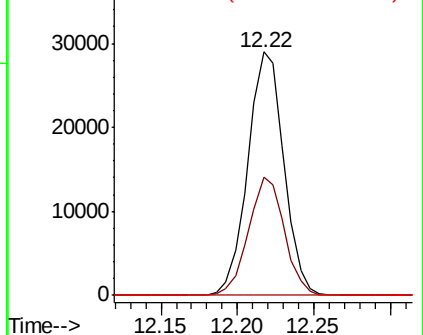
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

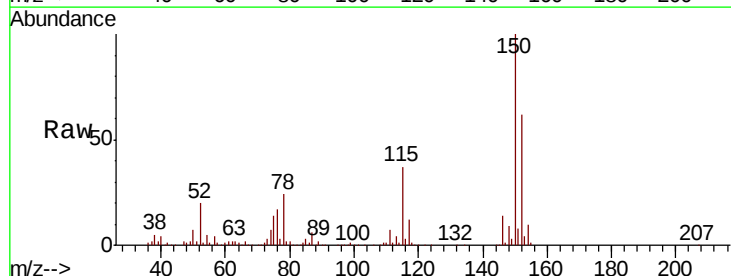
Tgt Ion:152 Resp: 121656

Ion Ratio Lower Upper

152 100

115 60.5 29.9 89.7

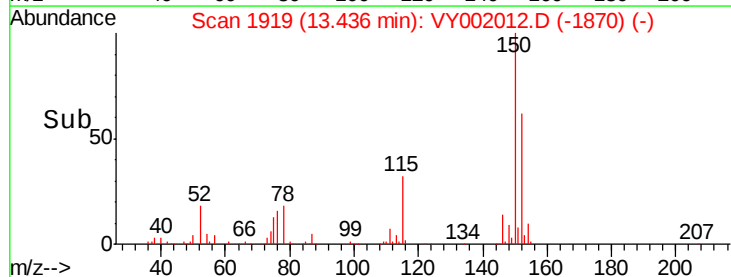
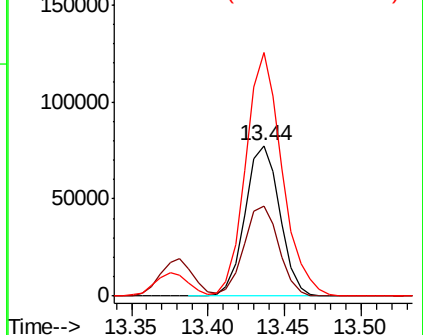
150 170.1 0.0 340.6



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: 48.096 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

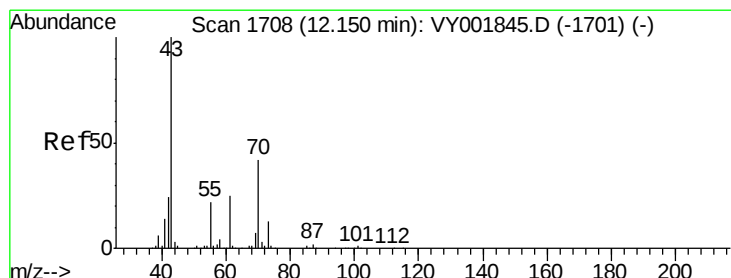
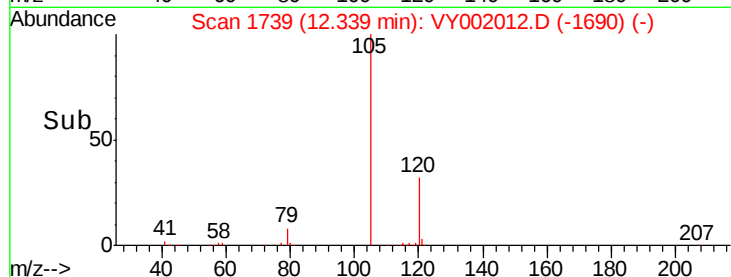
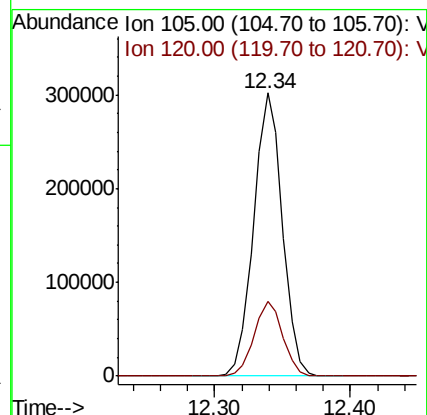
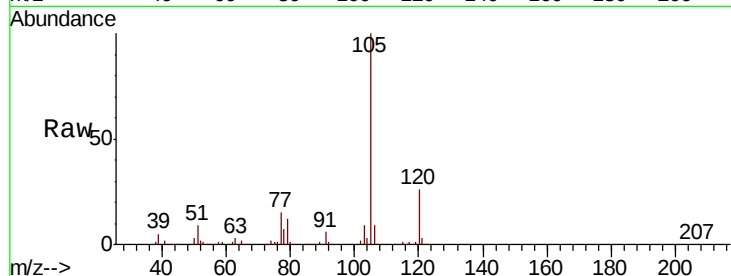
ClientSampleId :

Tot Ion:105 Resp: 446667

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



#74

N-ethyl acetate

Concen: 46.960 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Tgt Ion: 43 Resp: 134037

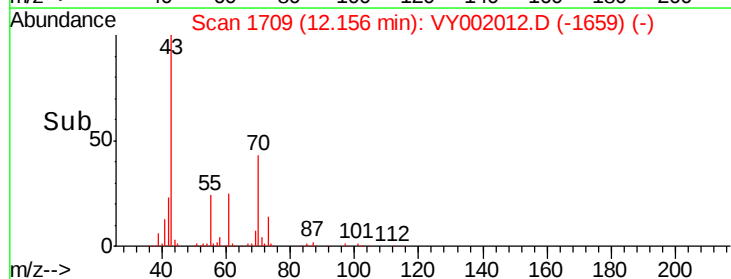
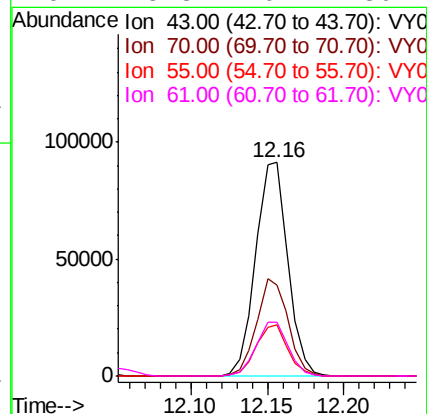
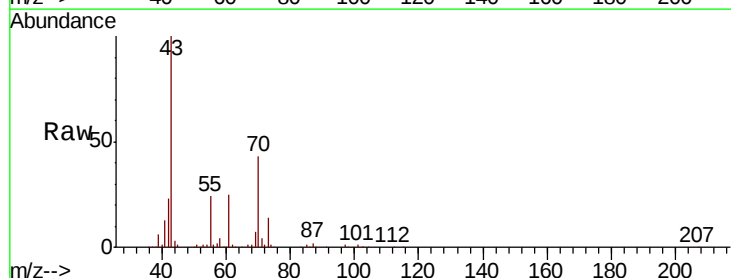
Ion Ratio Lower Upper

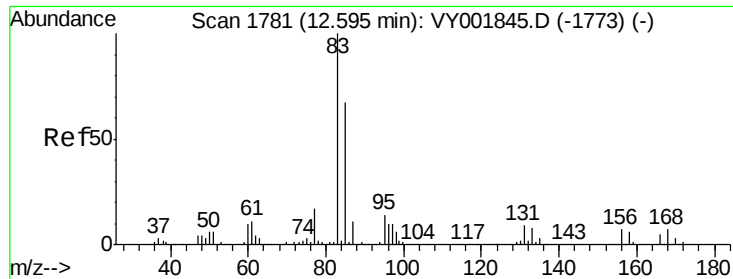
43 100

70 44.6 34.7 52.1

55 23.6 18.2 27.4

61 25.3 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.302 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

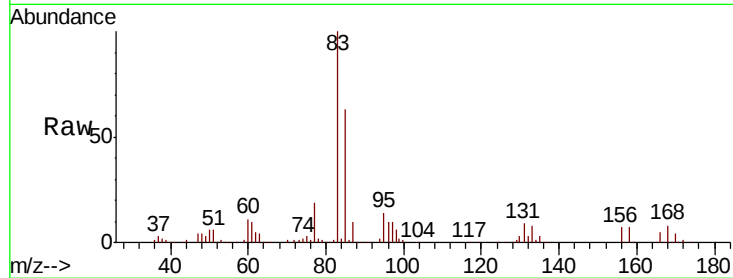
Tot Ion: 83 Resp: 96734

Ion Ratio Lower Upper

83 100

131 9.2 4.6 13.8

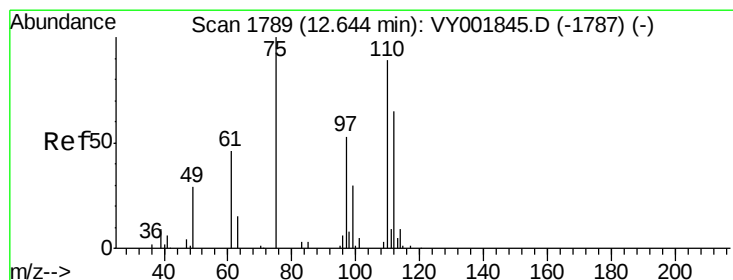
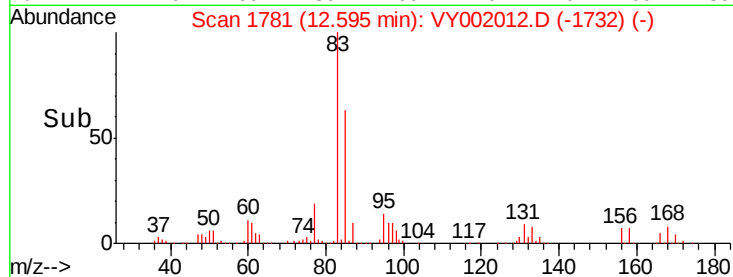
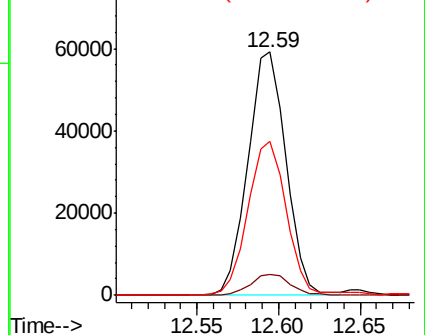
85 63.4 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VY002012.D (-1732) (-)

Ion 130.80 (130.50 to 131.50): VY002012.D (-1732) (-)

Ion 84.90 (84.60 to 85.60): VY002012.D (-1732) (-)



#76

1,2,3-Trichloropropane

Concen: 86.183 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VY002012.D

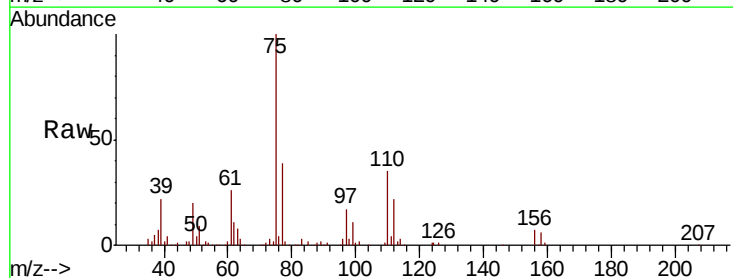
Acq: 19 Mar 2020 11:20

Tgt Ion: 75 Resp: 124408

Ion Ratio Lower Upper

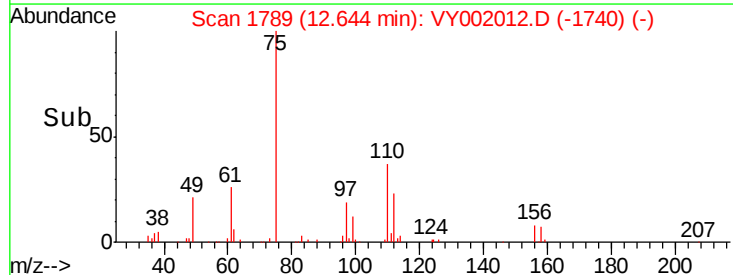
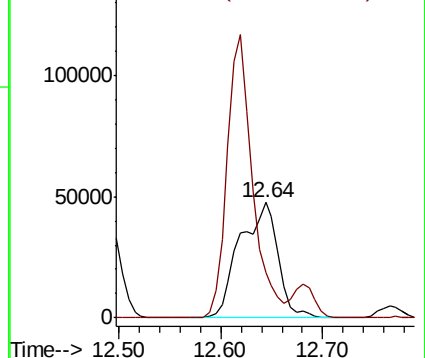
75 100

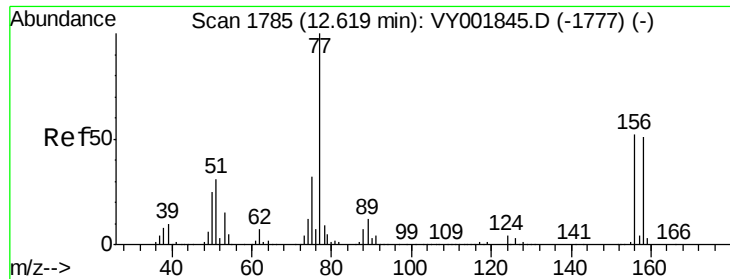
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002012.D (-1740) (-)

Ion 77.00 (76.70 to 77.70): VY002012.D (-1740) (-)





#77

Bromobenzene

Concen: 48.820 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

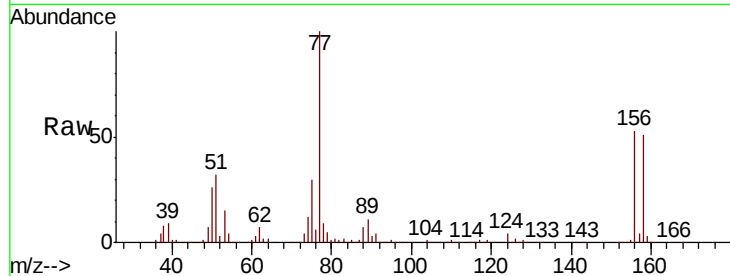
Tot Ion:156 Resp: 96058

Ion Ratio Lower Upper

156 100

77 210.5 109.0 327.0

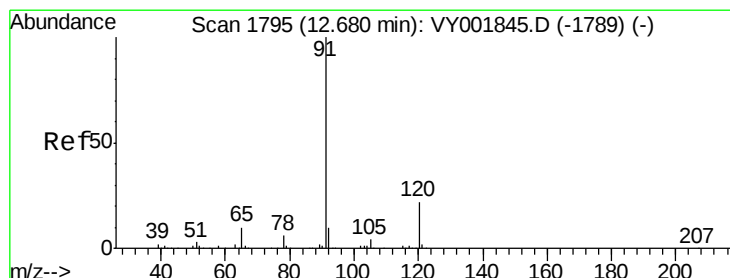
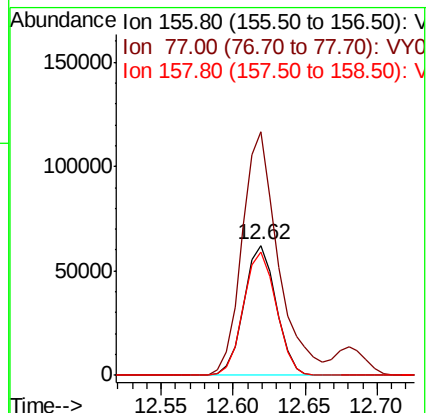
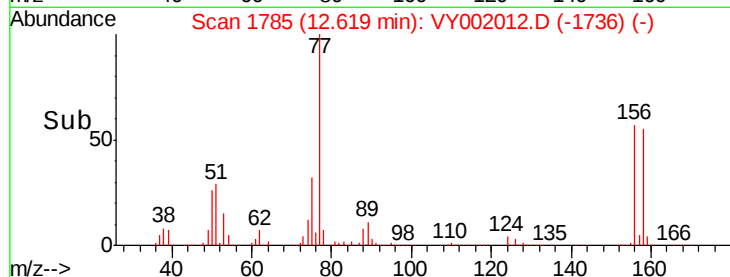
158 96.7 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.953 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002012.D

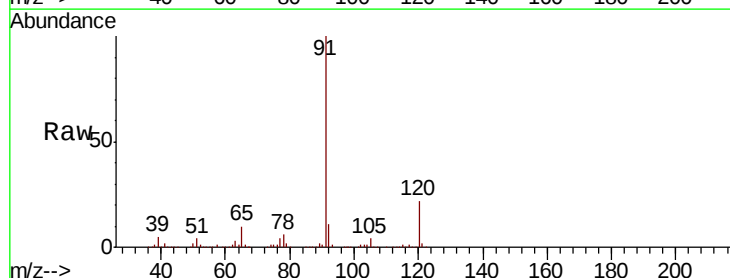
Acq: 19 Mar 2020 11:20

Tgt Ion: 91 Resp: 549418

Ion Ratio Lower Upper

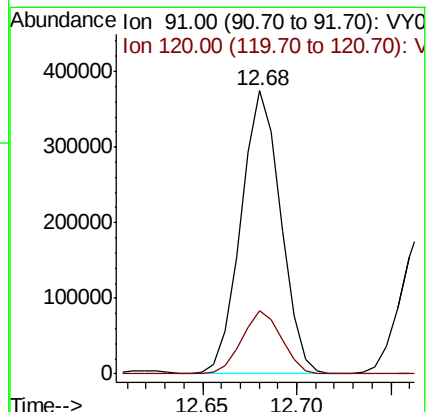
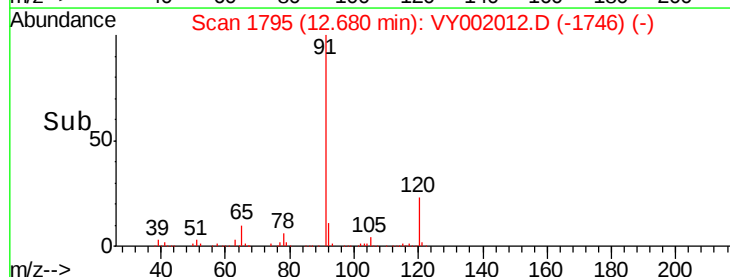
91 100

120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.381 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

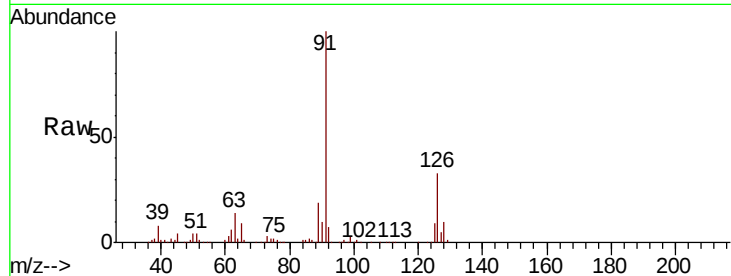
ClientSampleId :

Tot Ion: 91 Resp: 299918

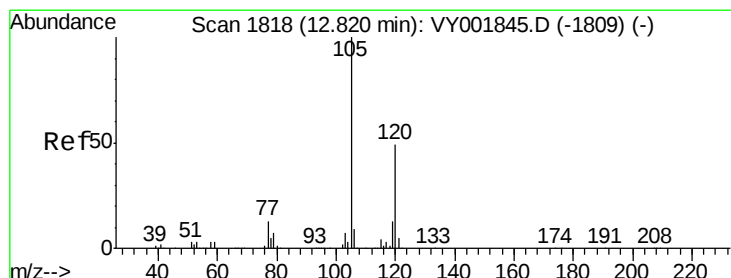
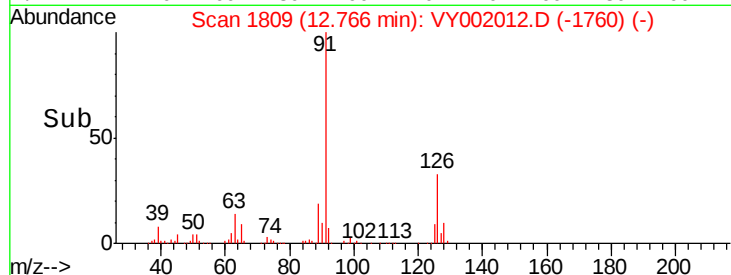
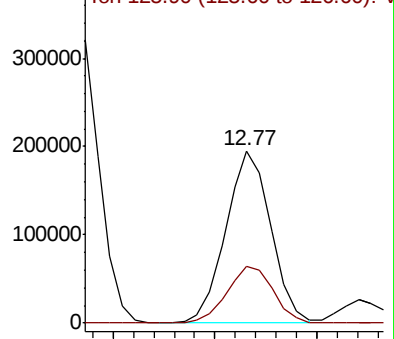
Ion Ratio Lower Upper

91 100

126 33.7 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.323 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002012.D

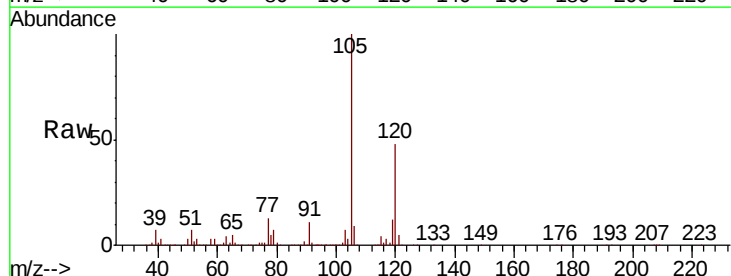
Acq: 19 Mar 2020 11:20

Tgt Ion: 105 Resp: 369448

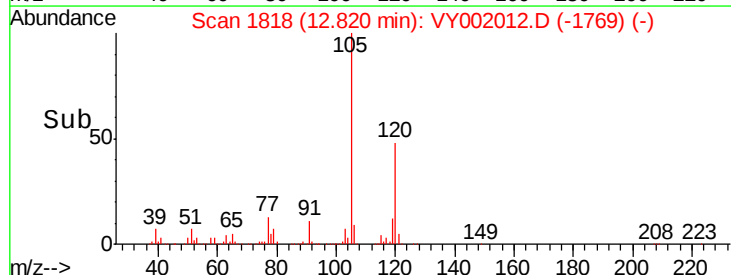
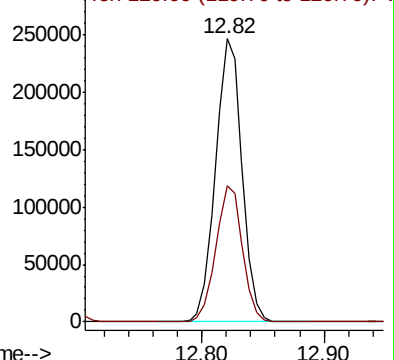
Ion Ratio Lower Upper

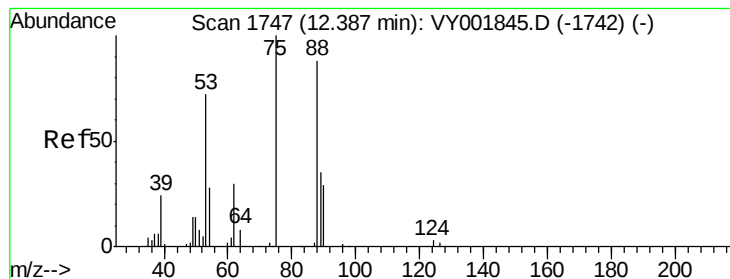
105 100

120 48.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001845.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.210 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

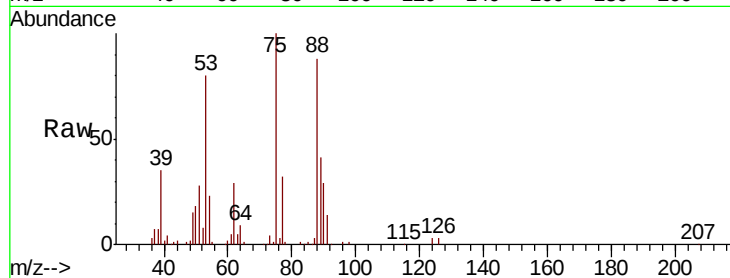
Tot Ion: 75 Resp: 35167

Ion Ratio Lower Upper

75 100

53 78.2 65.4 98.0

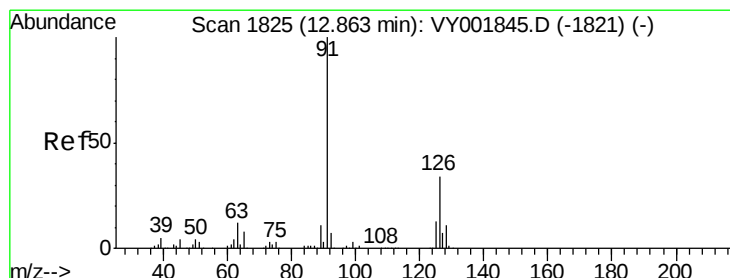
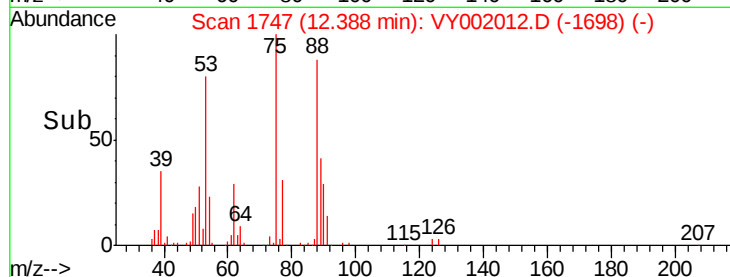
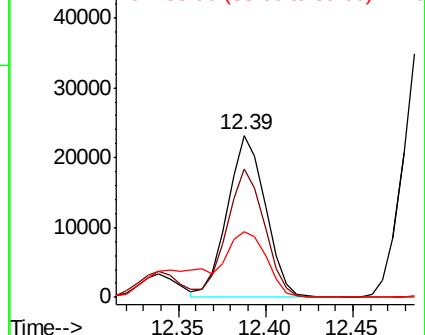
89 42.4 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 47.571 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY002012.D

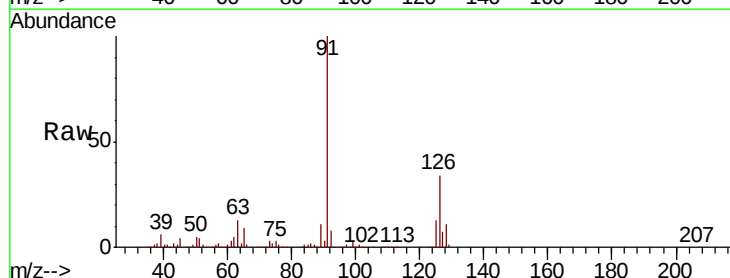
Acq: 19 Mar 2020 11:20

Tgt Ion: 91 Resp: 313526

Ion Ratio Lower Upper

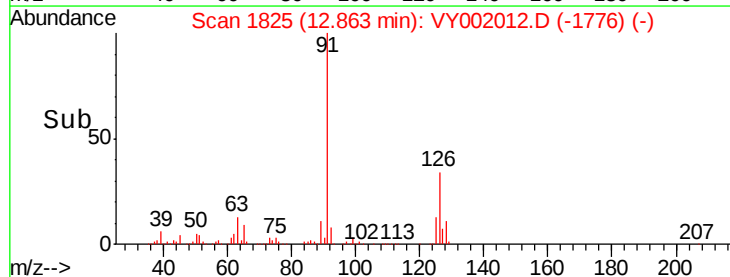
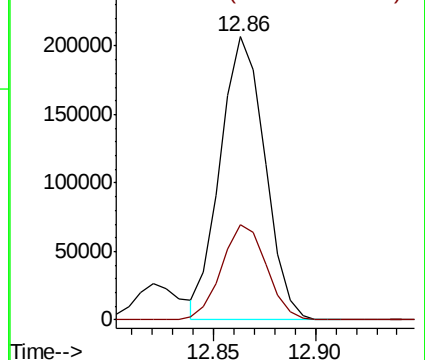
91 100

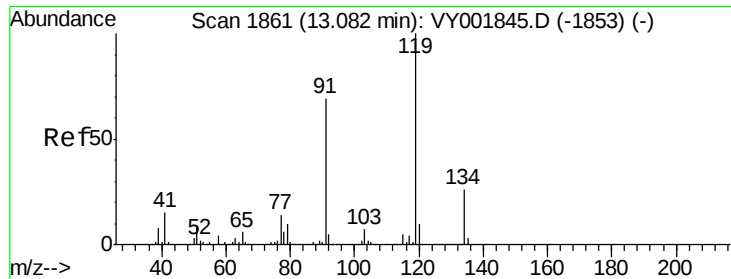
126 33.8 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

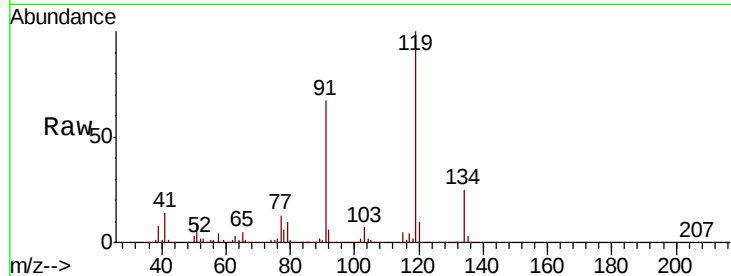




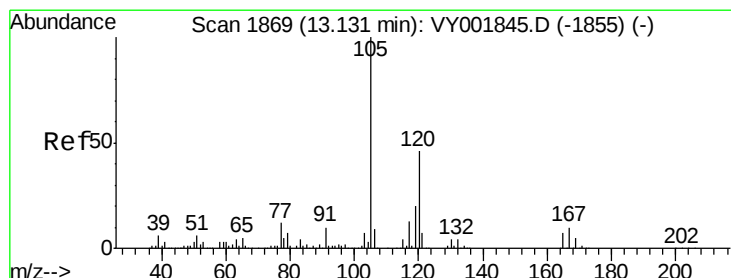
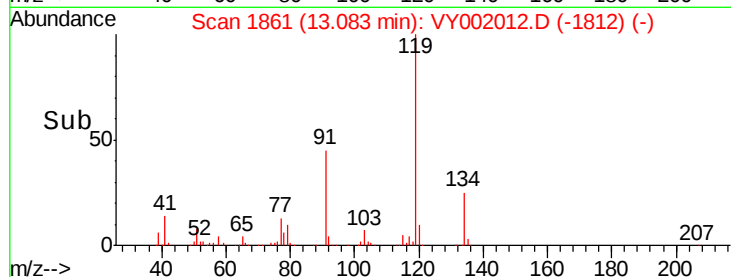
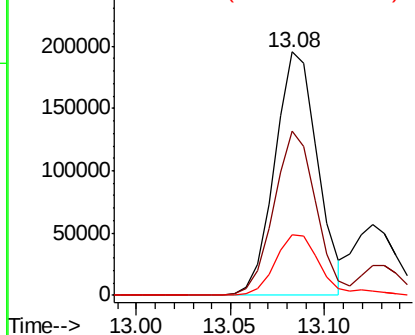
#83
tert-Butylbenzene
Concen: 48.376 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:119 Resp: 307189
Ion Ratio Lower Upper
119 100
91 66.5 34.0 101.8
134 27.0 13.5 40.4

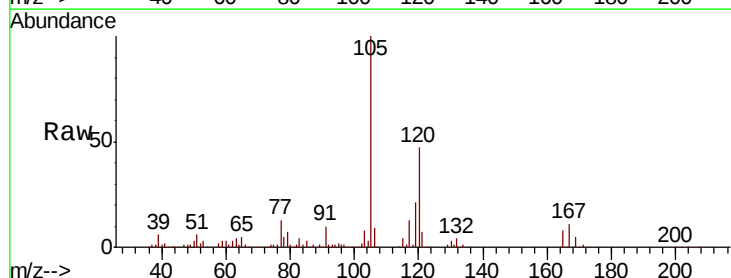


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VY0
Ion 134.00 (133.70 to 134.70): V

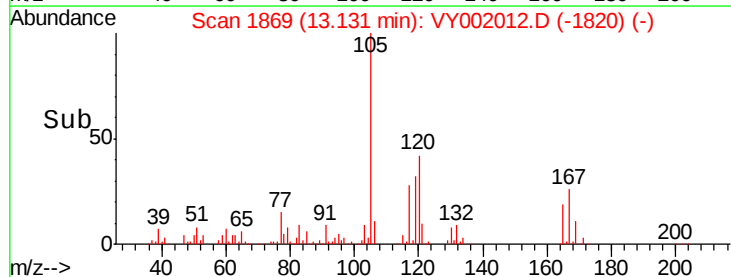
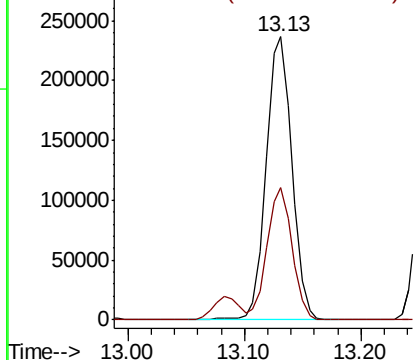


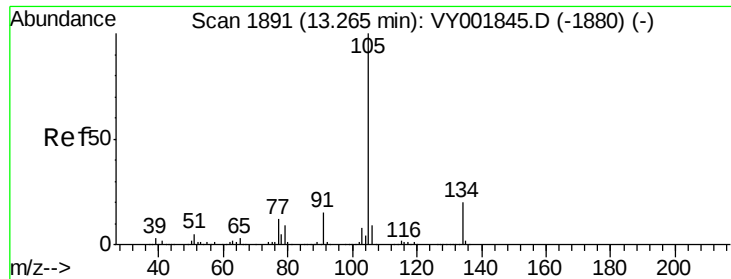
#84
1,2,4-Trimethylbenzene
Concen: 48.069 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VY002012.D
Acq: 19 Mar 2020 11:20

Tgt Ion:105 Resp: 364717
Ion Ratio Lower Upper
105 100
120 45.6 22.6 67.7



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





#85

sec-Butylbenzene

Concen: 49.335 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

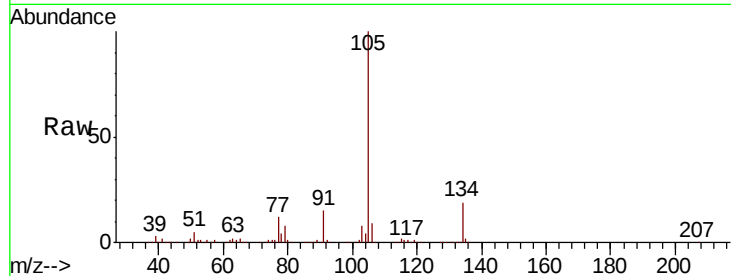
ClientSampleId :

Tot Ion:105 Resp: 461775

Ion Ratio Lower Upper

105 100

134 19.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.27

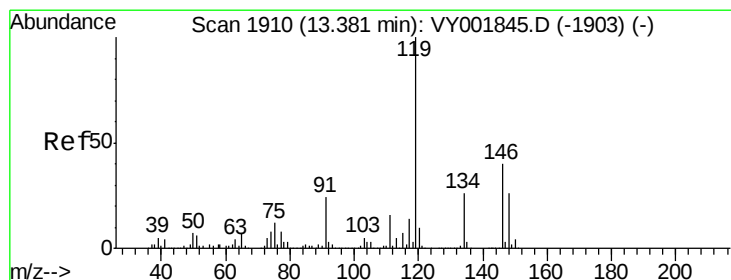
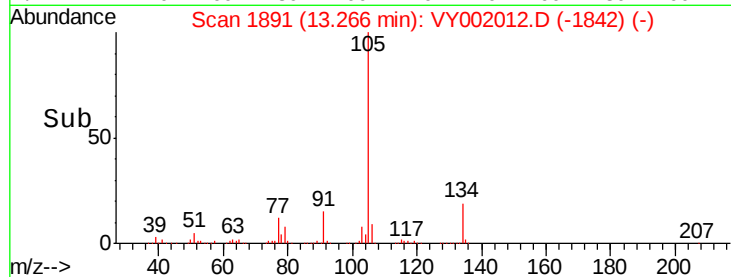
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.954 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

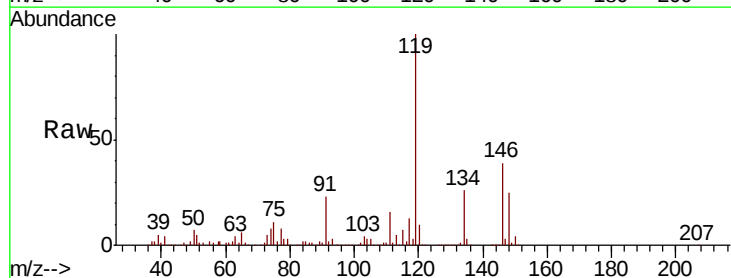
Tgt Ion:119 Resp: 395262

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 23.3 11.9 35.7



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

13.38

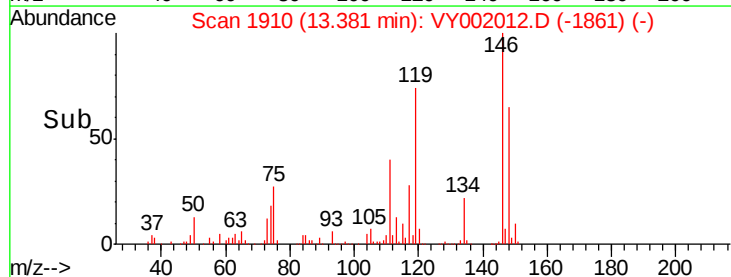
300000

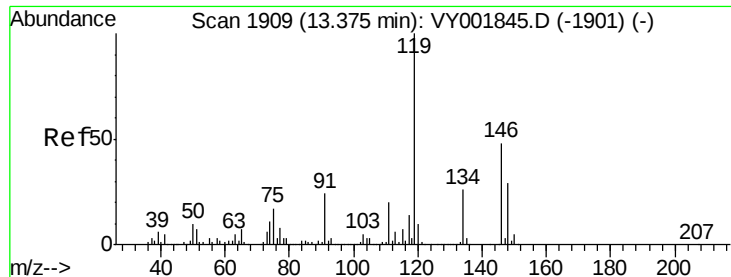
200000

100000

0

Time-->

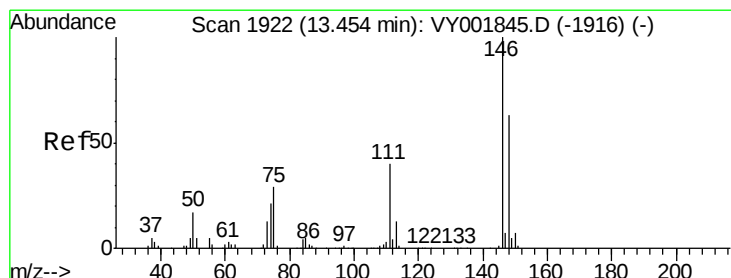
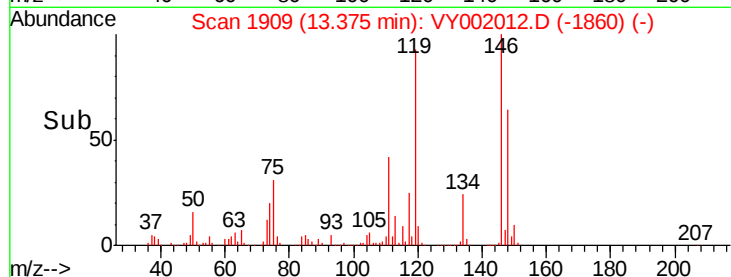
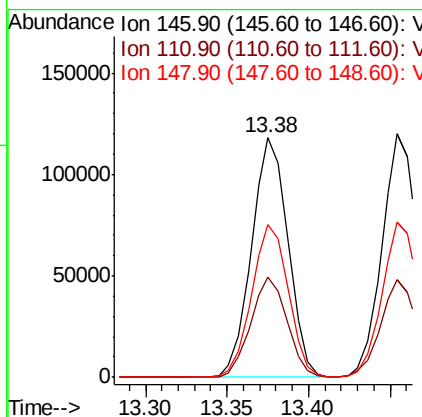
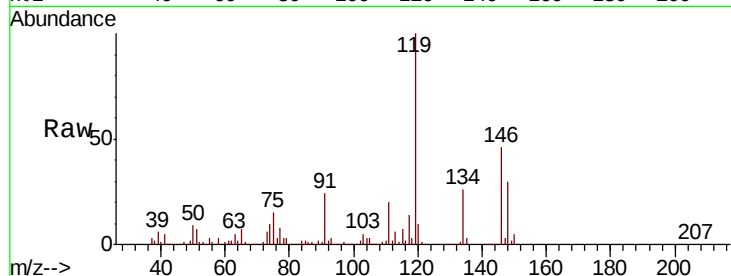




#87
 1,3-Dichlorobenzene
 Concen: 47.647 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

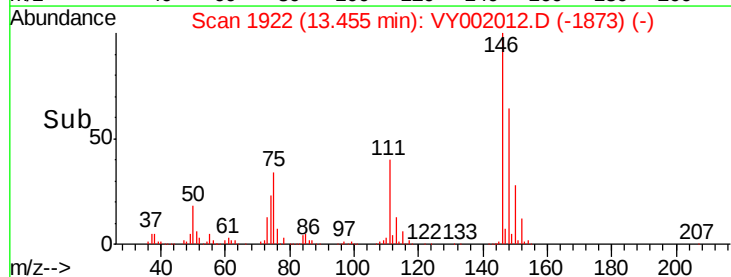
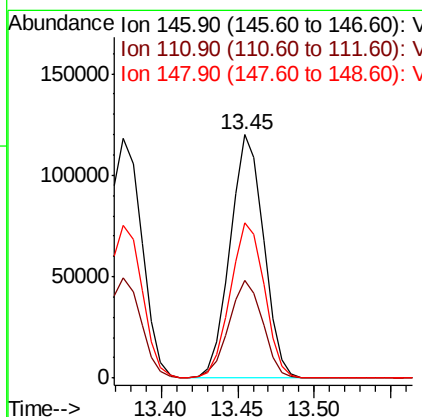
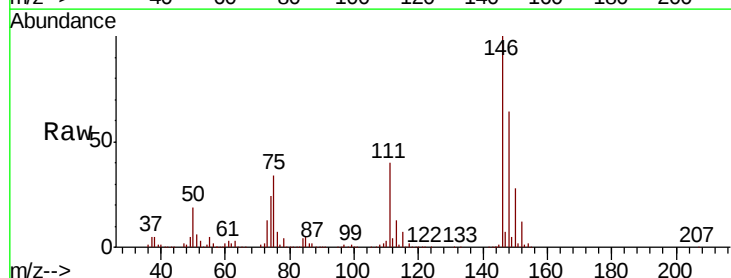
Instrument :
 MSVOA_Y
 ClientSampleId :

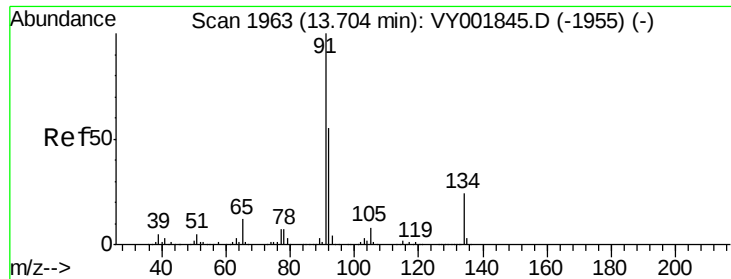
Tot Ion:146 Resp: 183714
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.8 62.5
 148 64.2 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 46.677 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

Tgt Ion:146 Resp: 182581
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.0 60.0
 148 64.8 31.5 94.5





#89

n-Butylbenzene

Concen: 48.627 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

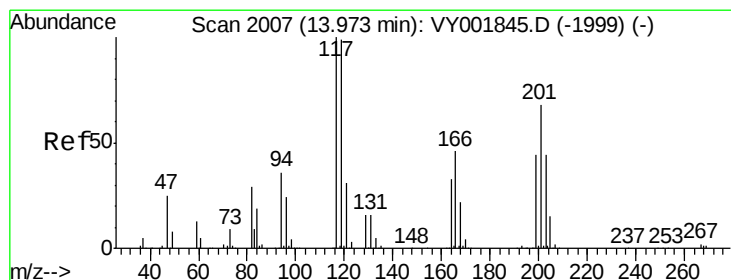
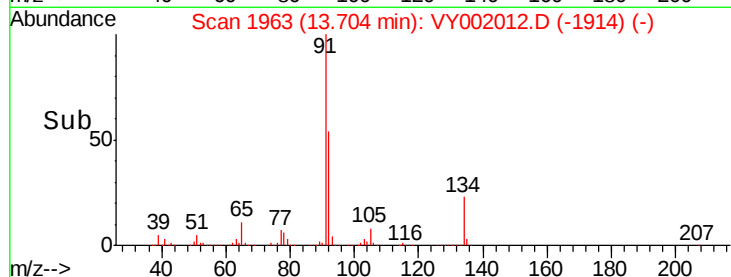
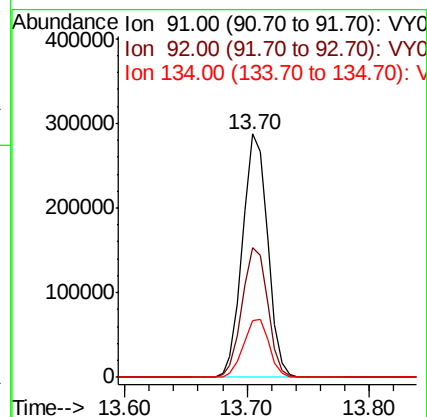
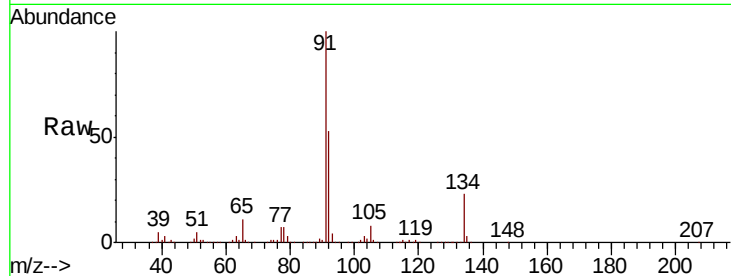
Tot Ion: 91 Resp: 407345

Ion Ratio Lower Upper

91 100

92 54.2 27.5 82.4

134 24.4 12.5 37.5



#90

Hexachloroethane

Concen: 48.971 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VY002012.D

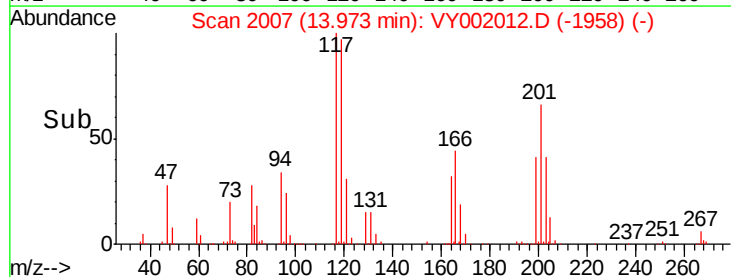
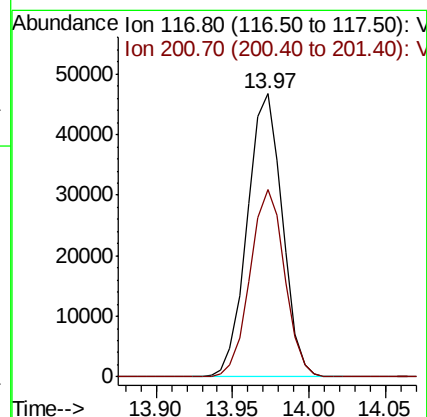
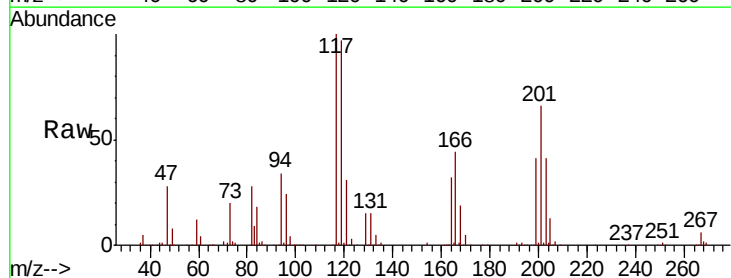
Acq: 19 Mar 2020 11:20

Tgt Ion: 117 Resp: 74592

Ion Ratio Lower Upper

117 100

201 65.4 32.5 97.5





#91

1,2-Dichlorobenzene

Concen: 47.890 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

ClientSampled :

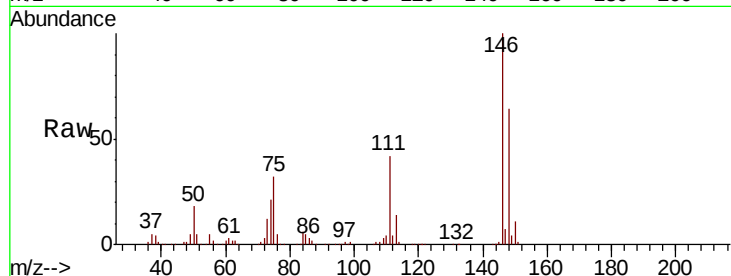
Tot Ion:146 Resp: 167751

Ion Ratio Lower Upper

146 100

111 41.8 21.5 64.5

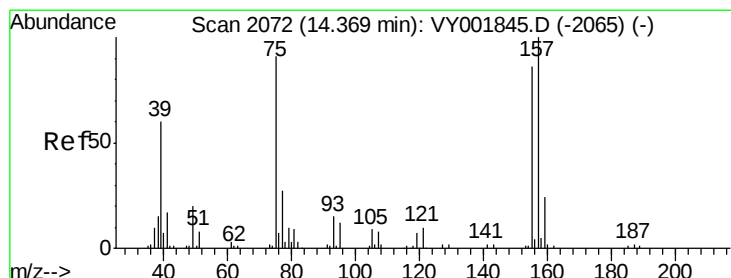
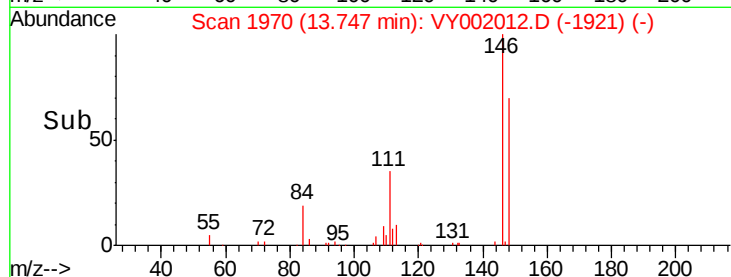
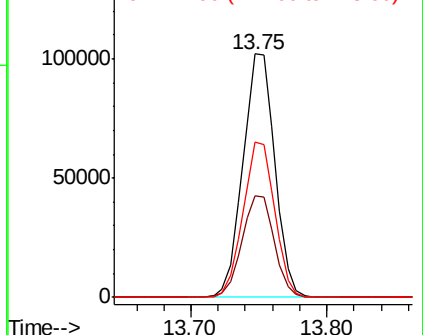
148 63.4 32.0 96.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.074 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

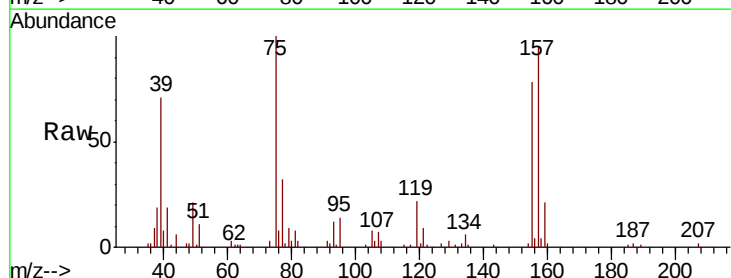
Tgt Ion: 75 Resp: 14711

Ion Ratio Lower Upper

75 100

155 85.1 42.9 128.7

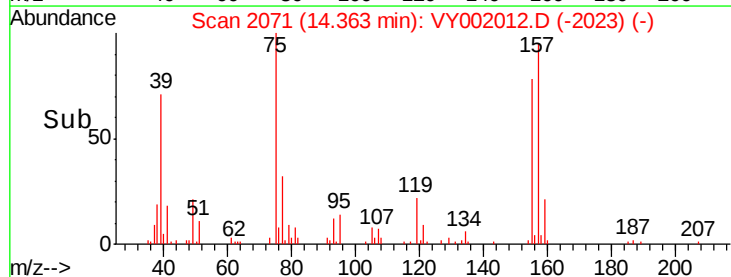
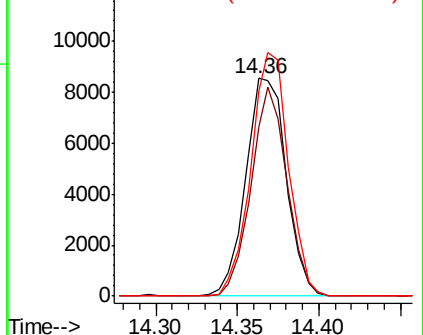
157 104.3 53.1 159.4

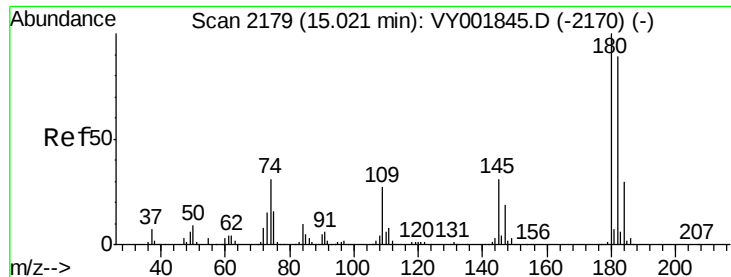


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

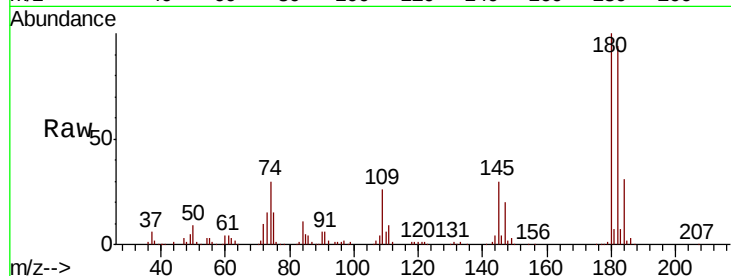




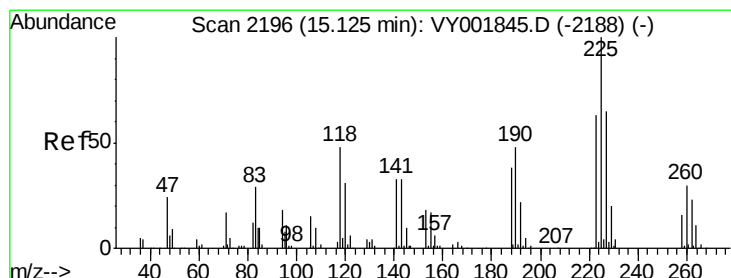
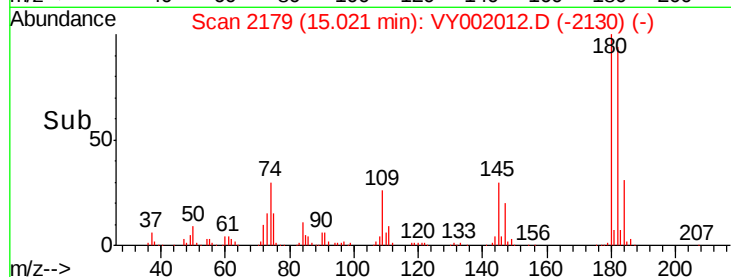
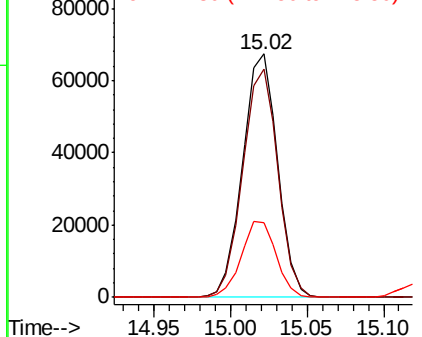
#93
 1,2,4-Trichlorobenzene
 Concen: 47.219 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.00 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180 Resp: 107264
 Ion Ratio Lower Upper
 180 100
 182 94.1 46.1 138.3
 145 31.0 15.6 46.8

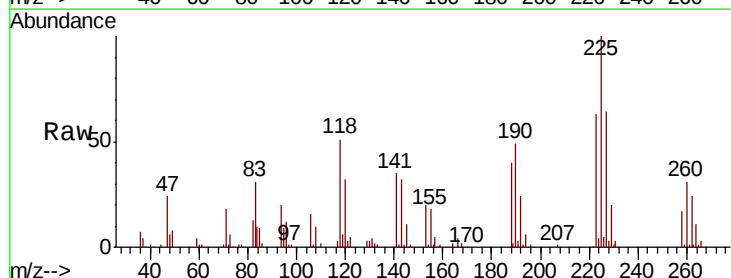


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

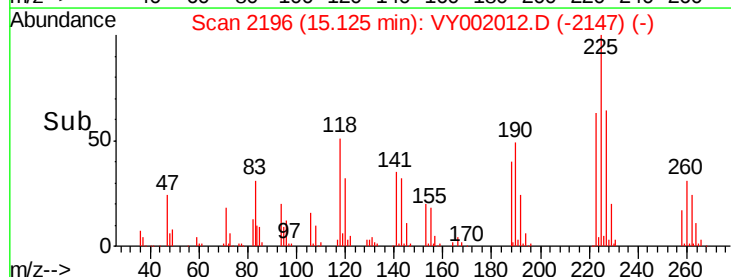
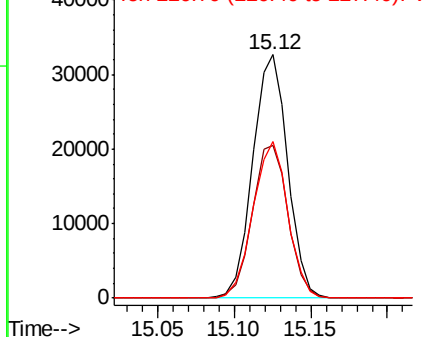


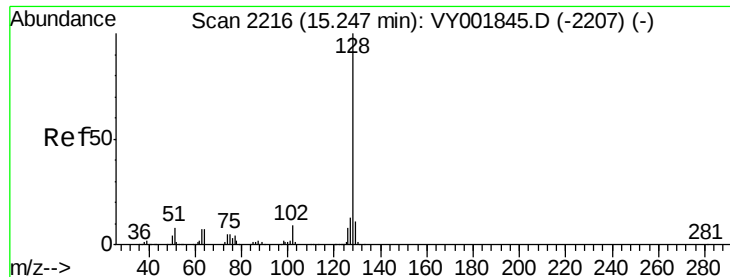
#94
 Hexachlorobutadiene
 Concen: 46.885 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VY002012.D
 Acq: 19 Mar 2020 11:20

Tgt Ion:225 Resp: 51926
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.5 94.5
 227 64.1 31.9 95.5



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: 46.661 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

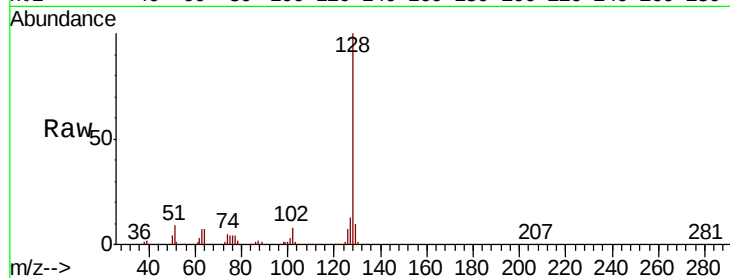
Tot Ion:128 Resp: 251420

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 10.6 8.6 13.0

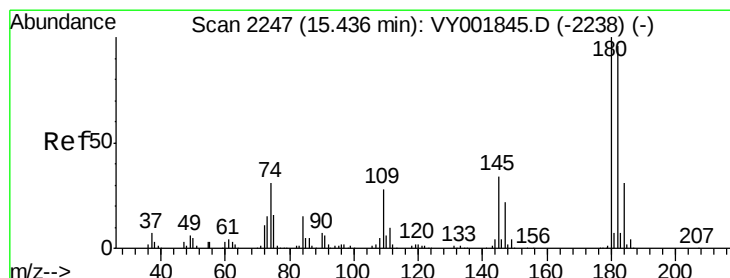
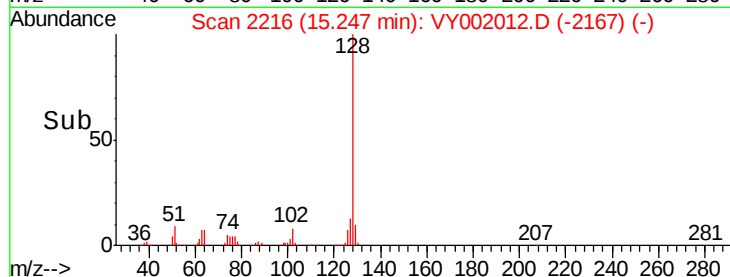
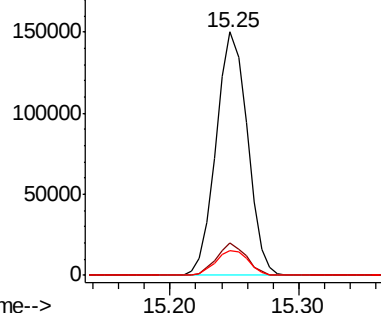


Abundance

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: 46.586 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY002012.D

Acq: 19 Mar 2020 11:20

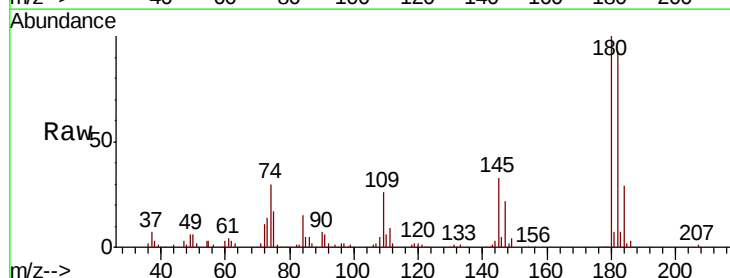
Tgt Ion:180 Resp: 93227

Ion Ratio Lower Upper

180 100

182 95.1 47.6 142.9

145 34.3 16.8 50.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

