

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051920\
 Data File : VY002712.D
 Acq On : 19 May 2020 10:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 20 04:09:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	385046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	560978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	512149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	263375	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	154650	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	7.72	113	165641	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
50) Toluene-d8	10.18	98	660735	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.48	95	222774	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	134326	48.684	ug/l	98
3) Chloromethane	2.12	50	154204	48.800	ug/l	99
4) Vinyl Chloride	2.26	62	168481	51.168	ug/l	99
5) Bromomethane	2.65	94	116174	47.604	ug/l	99
6) Chloroethane	2.80	64	102349	48.608	ug/l	99
7) Trichlorofluoromethane	3.13	101	266040	47.944	ug/l	100
8) Diethyl Ether	3.54	74	91295	48.364	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	164109	48.788	ug/l	99
10) Methyl Iodide	4.10	142	228098	49.266	ug/l	100
11) Tert butyl alcohol	4.96	59	67974	222.228	ug/l	98
12) 1,1-Dichloroethene	3.88	96	164896	48.823	ug/l	98
13) Acrolein	3.74	56	105162	293.128	ug/l	98
14) Allyl chloride	4.49	41	238513	49.191	ug/l	98
15) Acrylonitrile	5.18	53	206689	241.819	ug/l	99
16) Acetone	3.96	43	157256	253.278	ug/l	98
17) Carbon Disulfide	4.20	76	509700	48.112	ug/l	100
18) Methyl Acetate	4.49	43	83650	47.252	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	404638	48.301	ug/l	99
20) Methylene Chloride	4.72	84	170376	45.396	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	178709	47.585	ug/l	99
22) Diisopropyl ether	6.13	45	466948	48.540	ug/l	98
23) Vinyl Acetate	6.07	43	1504460	244.238	ug/l	99
24) 1,1-Dichloroethane	6.03	63	279800	48.675	ug/l	100
25) 2-Butanone	6.99	43	244251	237.765	ug/l	99
26) 2,2-Dichloropropane	6.99	77	257188	48.086	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	196265	48.365	ug/l	100
28) Bromochloromethane	7.34	49	109137	47.993	ug/l	99
29) Tetrahydrofuran	7.35	42	169592	242.638	ug/l	100
30) Chloroform	7.52	83	286572	48.034	ug/l	99
31) Cyclohexane	7.79	56	275614	47.273	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	268642	48.732	ug/l	99
36) 1,1-Dichloropropene	7.92	75	233793	49.230	ug/l	100
37) Ethyl Acetate	7.08	43	109440	46.854	ug/l	99
38) Carbon Tetrachloride	7.91	117	252338	49.439	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	312565	48.949	ug/l	98
40) Benzene	8.17	78	680162	49.086	ug/l	99
41) Methacrylonitrile	7.35	41	150601	107.318	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	174834	47.839	ug/l	99
43) Isopropyl Acetate	8.28	43	213927	49.282	ug/l	100
44) Trichloroethene	8.94	130	216417	48.998	ug/l	100
45) 1,2-Dichloropropane	9.22	63	161290	49.045	ug/l	99
46) Dibromomethane	9.31	93	90887	49.191	ug/l	99
47) Bromodichloromethane	9.50	83	222644	49.374	ug/l	97
48) Methyl methacrylate	9.30	41	101495	50.781	ug/l	94
49) 1,4-Dioxane	9.30	88	23824	946.740	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	556835	248.456	ug/l	100
52) Toluene	10.25	92	440578	49.132	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	239202	49.700	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	276929	49.632	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	135361	49.209	ug/l	97
56) Ethyl methacrylate	10.51	69	184221	50.306	ug/l	99
57) 1,3-Dichloropropane	10.79	76	225975	49.023	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	458384	253.555	ug/l	100
59) 2-Hexanone	10.83	43	390931	250.368	ug/l	99
60) Dibromochloromethane	10.99	129	173791	49.455	ug/l	100
61) 1,2-Dibromoethane	11.09	107	134756	49.723	ug/l	98
64) Tetrachloroethene	10.72	164	239872	49.334	ug/l	99
65) Chlorobenzene	11.52	112	484815	48.988	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	180798	49.224	ug/l	99
67) Ethyl Benzene	11.59	91	856725	49.303	ug/l	99
68) m/p-Xylenes	11.70	106	661951	97.916	ug/l	100
69) o-Xylene	12.03	106	312067	49.182	ug/l	99
70) Styrene	12.05	104	535585	49.163	ug/l	99
71) Bromoform	12.21	173	112698	49.637	ug/l #	100
73) Isopropylbenzene	12.33	105	853801	49.612	ug/l	100
74) N-amyl acetate	12.14	43	204146	50.552	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	125993	49.717	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	202598	93.642	ug/l #	100
77) Bromobenzene	12.61	156	212873	49.476	ug/l	99
78) n-propylbenzene	12.67	91	995299	49.716	ug/l	100
79) 2-Chlorotoluene	12.76	91	542050	48.817	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	712109	49.246	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	58277	50.942	ug/l #	52
82) 4-Chlorotoluene	12.86	91	570131	49.018	ug/l	100
83) tert-Butylbenzene	13.08	119	630928	49.301	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	710173	49.142	ug/l	100
85) sec-Butylbenzene	13.25	105	871974	49.377	ug/l	100
86) p-Isopropyltoluene	13.37	119	814204	49.257	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	402739	48.549	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	396197	47.972	ug/l	99
89) n-Butylbenzene	13.70	91	748223	49.291	ug/l	99
90) Hexachloroethane	13.96	117	150287	49.087	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	357052	47.992	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	23443	48.239	ug/l	98

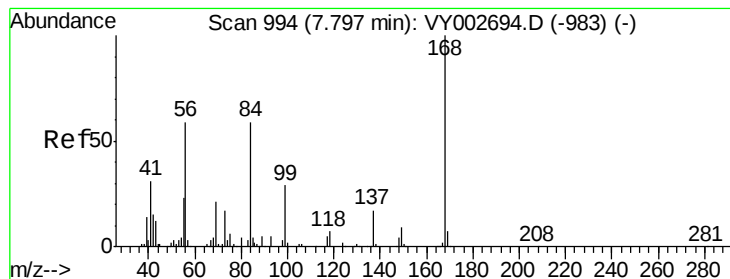
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	261597	48.717	ug/l	99
94) Hexachlorobutadiene	15.11	225	159707	49.896	ug/l	100
95) Naphthalene	15.24	128	464739	45.357	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	219228	47.889	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

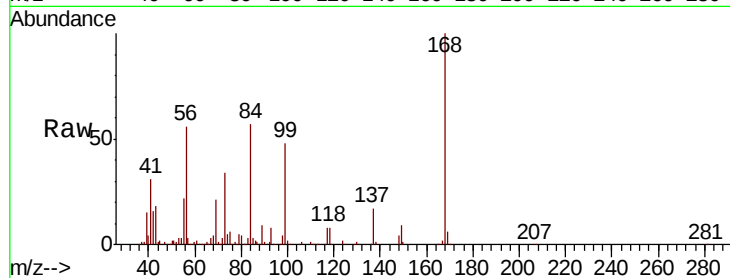
ClientSampled :

Tot Ion:168 Resp: 385046

Ion Ratio Lower Upper

168 100

99 47.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002712.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002712.D (-945) (-)

7.80

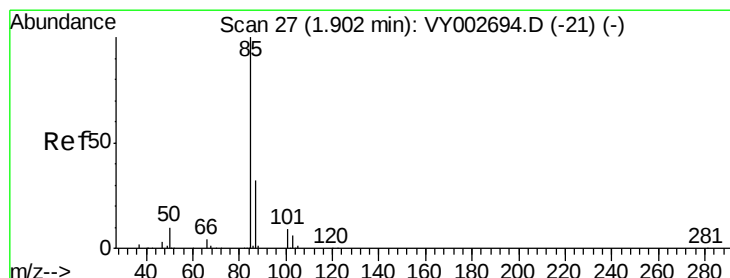
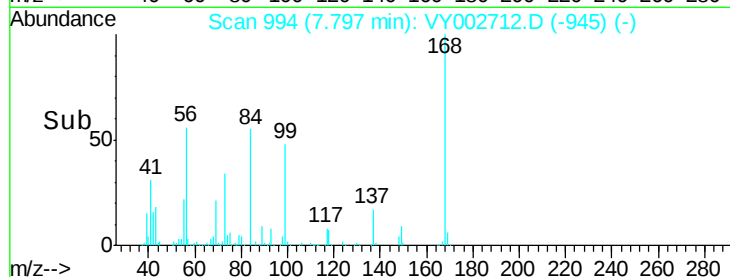
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.684 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY002712.D

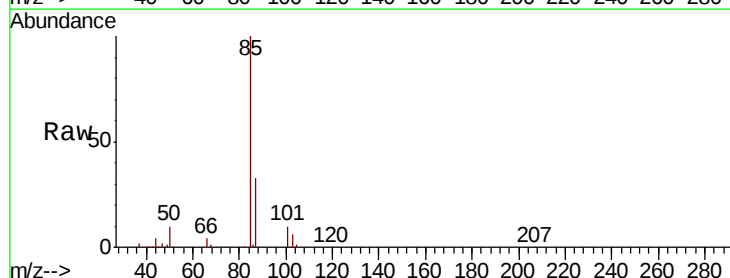
Acq: 19 May 2020 10:02

Tgt Ion: 85 Resp: 134326

Ion Ratio Lower Upper

85 100

87 32.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002712.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002712.D (-1) (-)

1.91

100000

80000

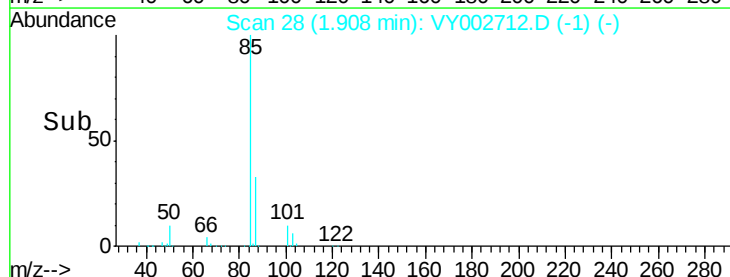
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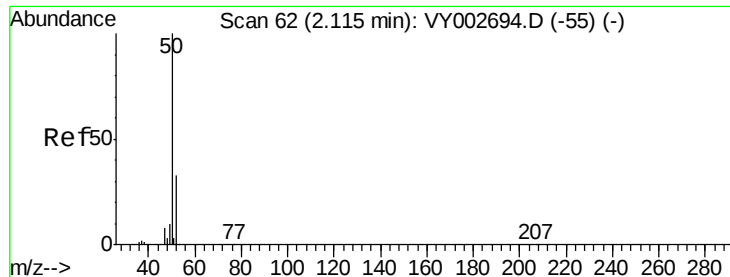
40000

20000

0

Time-->





#3

Chloromethane

Concen: 48.800 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.01 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

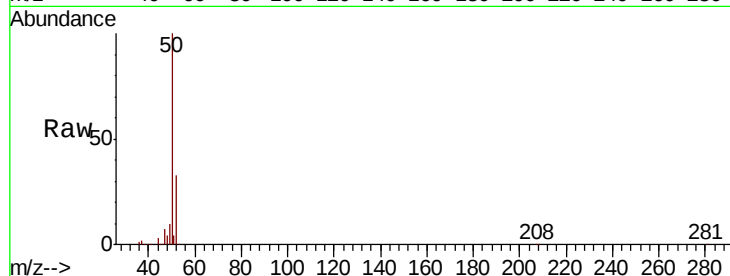
ClientSampleId :

Tot Ion: 50 Resp: 154204

Ion Ratio Lower Upper

50 100

52 33.3 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

120000

100000

80000

60000

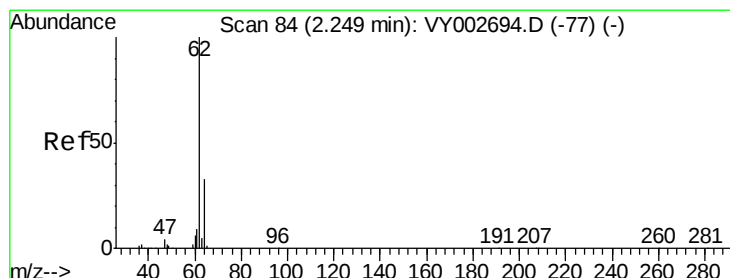
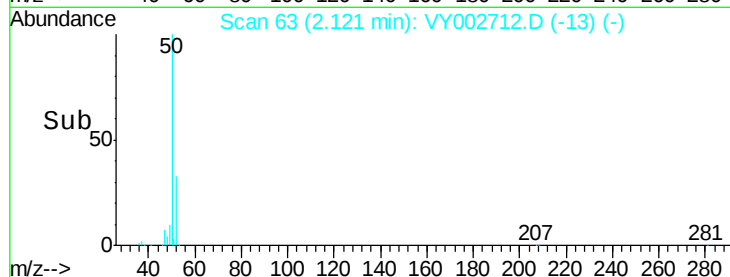
40000

20000

0

2.10 2.20

Time-->



#4

Vinyl Chloride

Concen: 51.168 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY002712.D

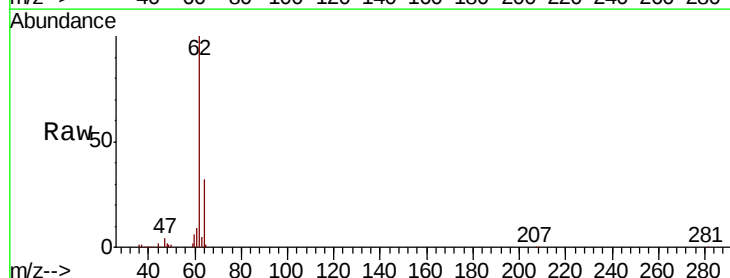
Acq: 19 May 2020 10:02

Tgt Ion: 62 Resp: 168481

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

120000

100000

80000

60000

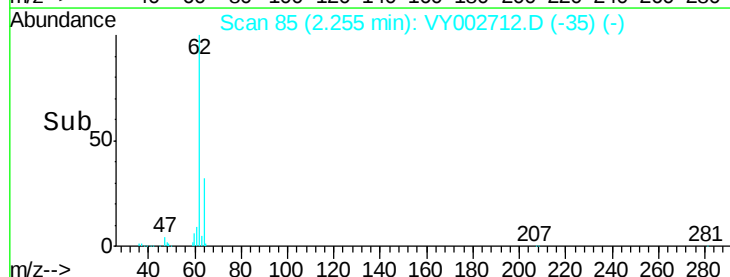
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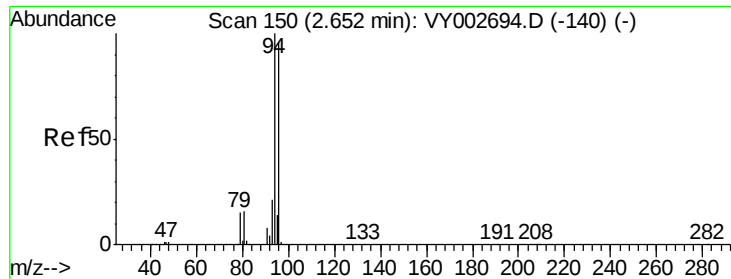
20000

0

2.20 2.30 2.40

Time-->





#5

Bromomethane

Concen: 47.604 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

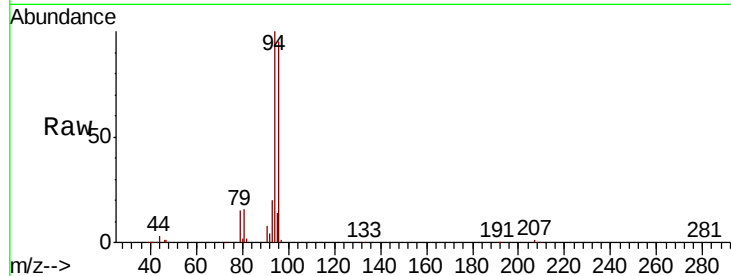
ClientSampleId :

Tot Ion: 94 Resp: 116174

Ion Ratio Lower Upper

94 100

96 94.6 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

60000

50000

40000

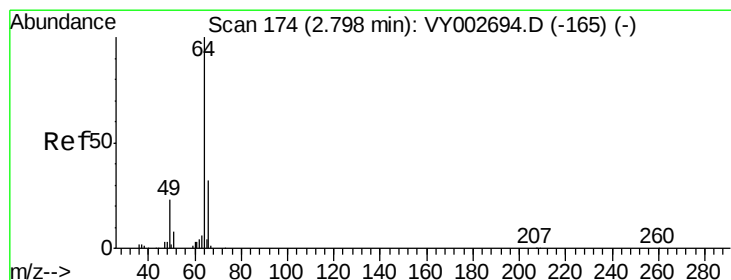
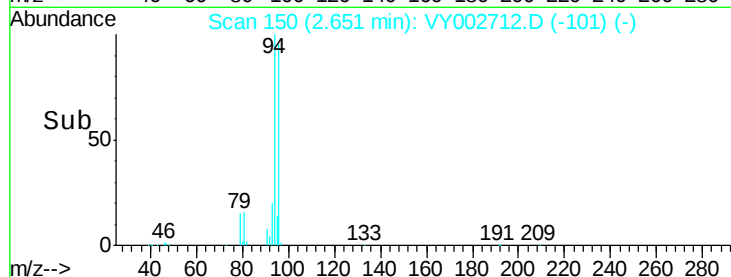
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 48.608 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY002712.D

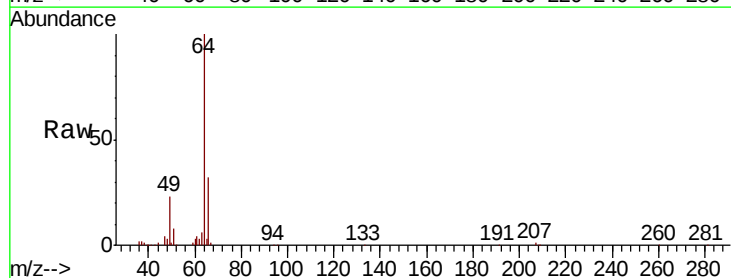
Acq: 19 May 2020 10:02

Tgt Ion: 64 Resp: 102349

Ion Ratio Lower Upper

64 100

66 31.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

50000

40000

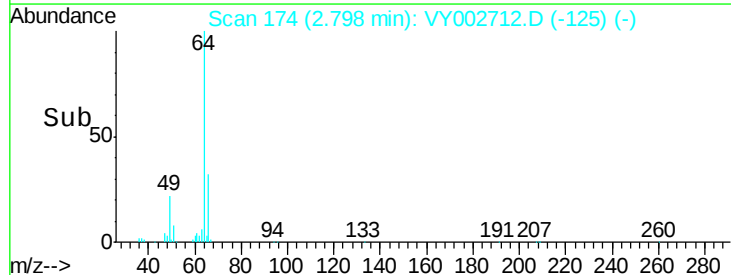
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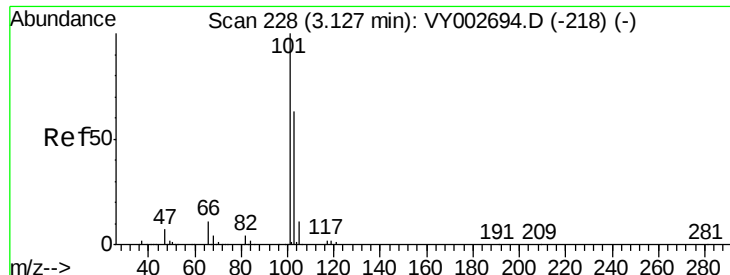
20000

10000

0

Time-->





#7

Trichlorofluoromethane

Concen: 47.944 ug/l

RT: 3.13 min Scan# 229

Delta R.T. 0.01 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

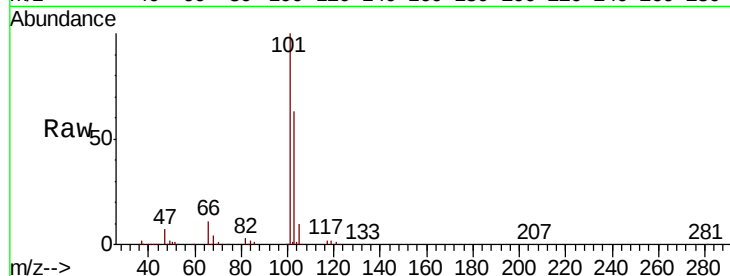
ClientSampleId :

Tot Ion:101 Resp: 266040

Ion Ratio Lower Upper

101 100

103 63.3 50.6 75.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.13

120000

100000

80000

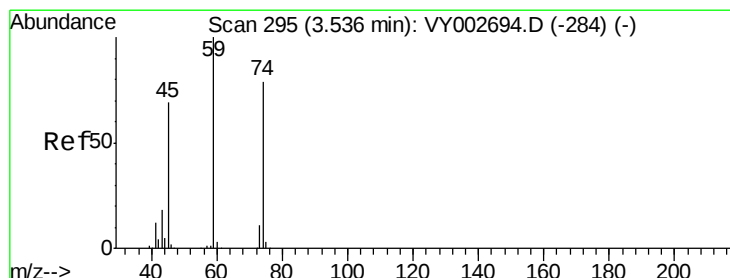
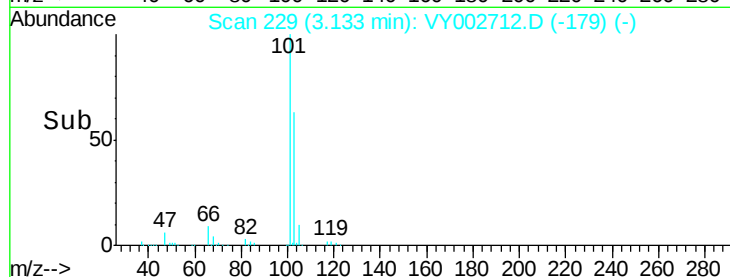
60000

40000

20000

0

Time--> 3.00 3.10 3.20 3.30



#8

Diethyl Ether

Concen: 48.364 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY002712.D

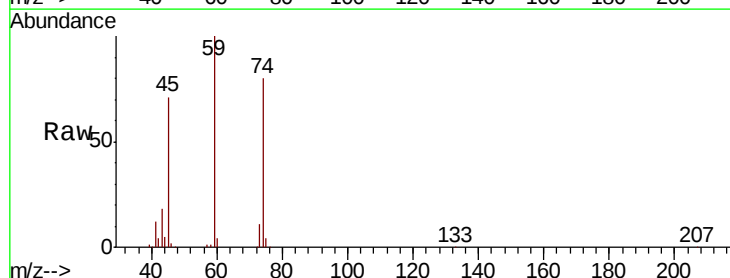
Acq: 19 May 2020 10:02

Tgt Ion: 74 Resp: 91295

Ion Ratio Lower Upper

74 100

45 88.3 43.8 131.3



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0

3.54

40000

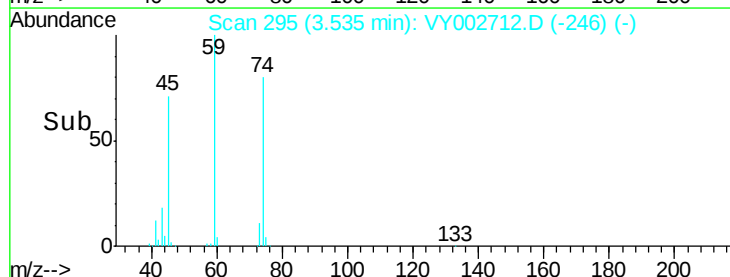
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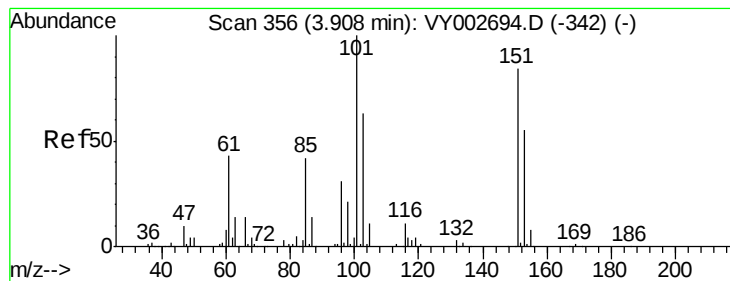
20000

10000

0

Time--> 3.40 3.50 3.60 3.70





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.788 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

ClientSampleId :

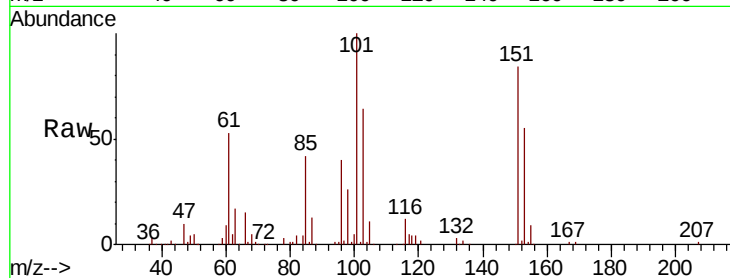
Tot Ion:101 Resp: 164109

Ion Ratio Lower Upper

101 100

85 41.2 33.5 50.3

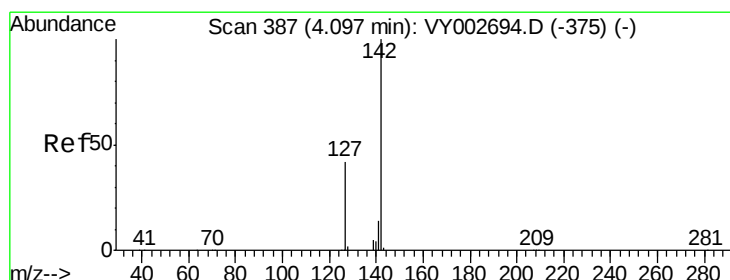
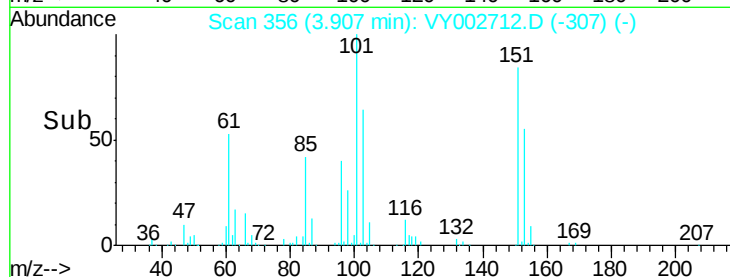
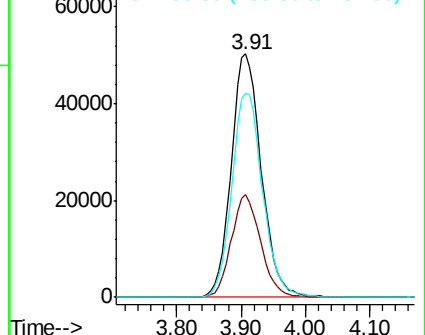
151 86.0 69.6 104.4



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: 49.266 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

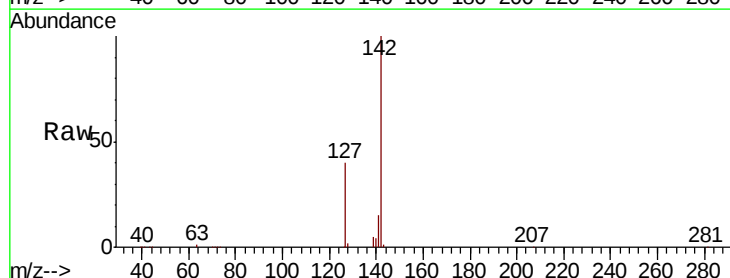
Tgt Ion:142 Resp: 228098

Ion Ratio Lower Upper

142 100

127 40.8 32.8 49.2

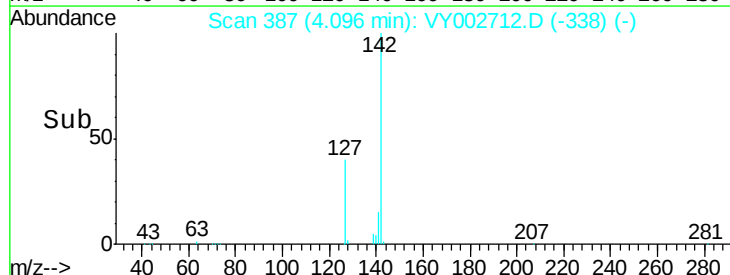
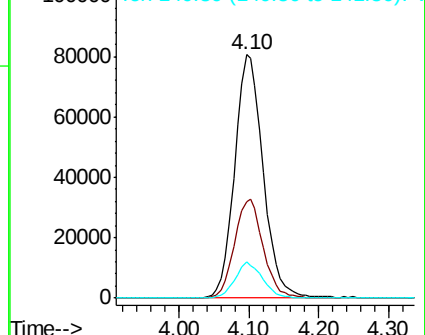
141 14.2 11.3 16.9

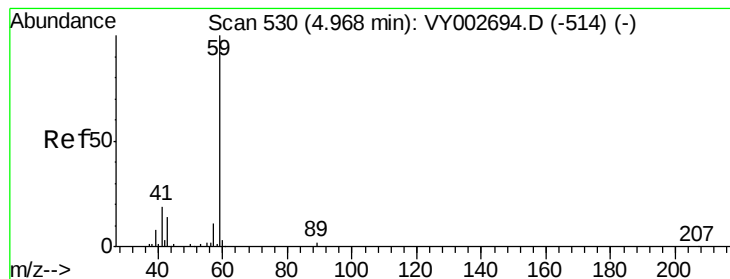


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 222.228 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

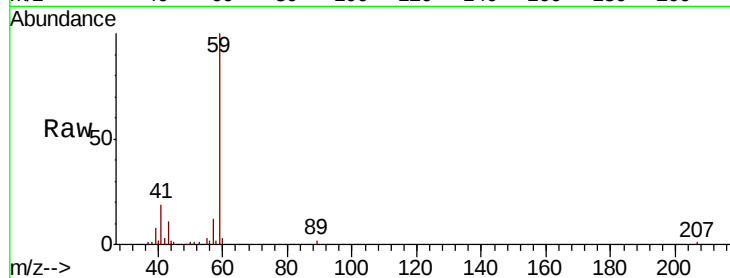
ClientSampleId :

Tot Ion: 59 Resp: 67974

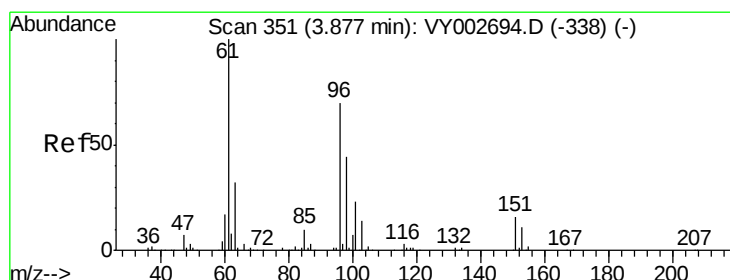
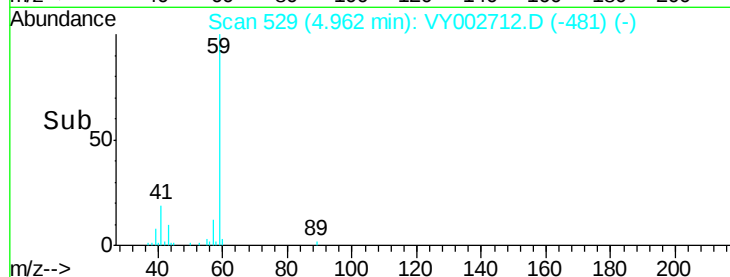
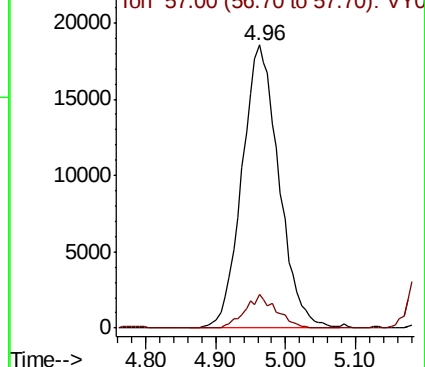
Ion Ratio Lower Upper

59 100

57 10.2 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VY002712.D (-481) (-)



#12

1,1-Dichloroethene

Concen: 48.823 ug/l

RT: 3.88 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

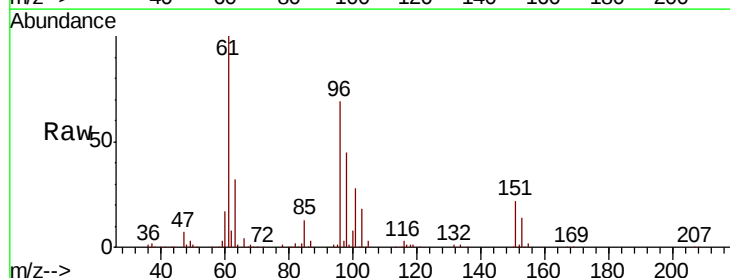
Tgt Ion: 96 Resp: 164896

Ion Ratio Lower Upper

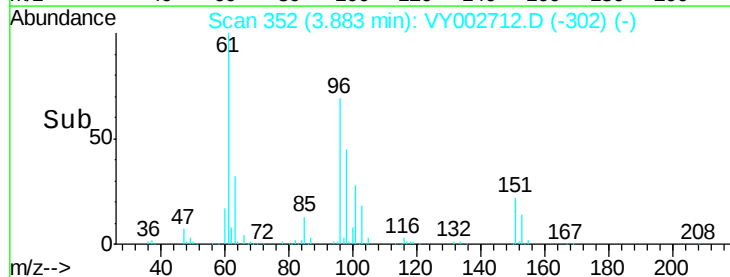
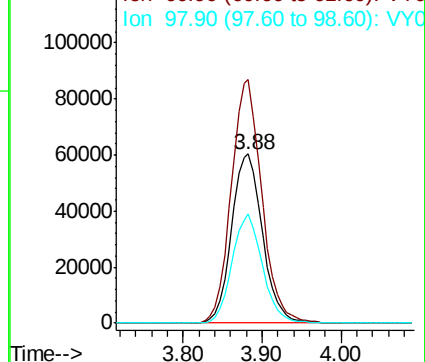
96 100

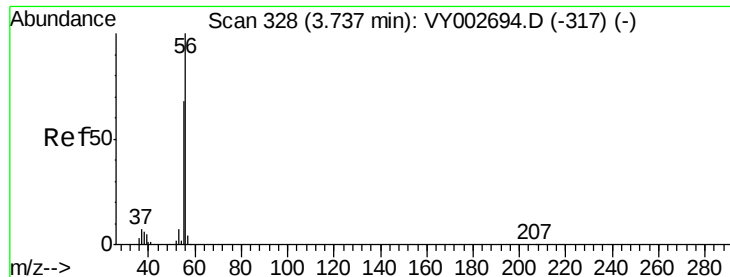
61 144.2 113.8 170.8

98 64.4 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VY002712.D (-302) (-)





#13

Acrolein

Concen: 293.128 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

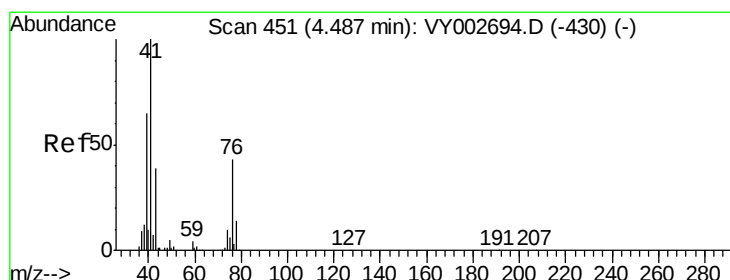
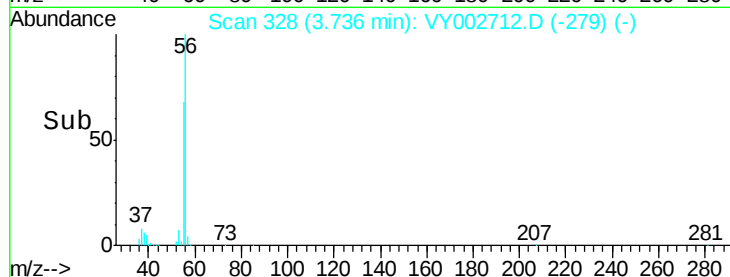
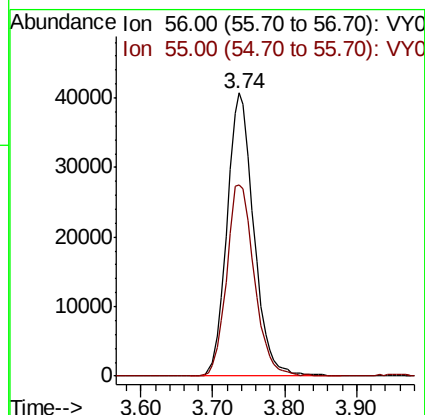
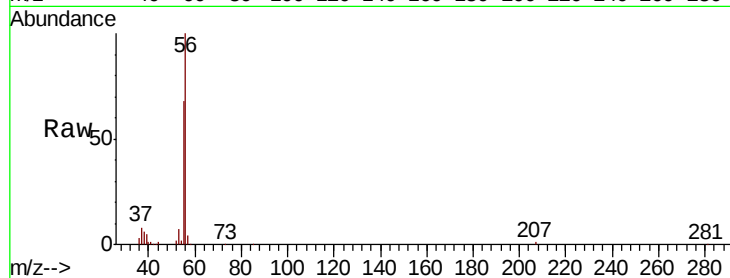
ClientSampleId :

Tot Ion: 56 Resp: 105162

Ion Ratio Lower Upper

56 100

55 69.8 54.8 82.2



#14

Allyl chloride

Concen: 49.191 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

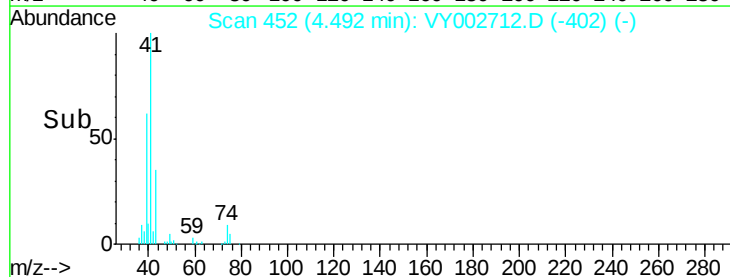
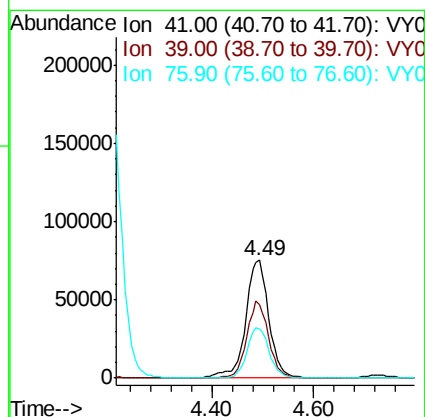
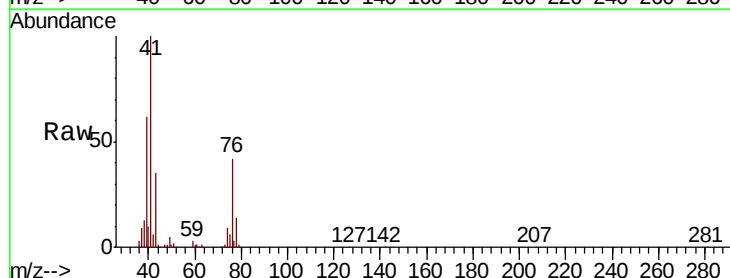
Tgt Ion: 41 Resp: 238513

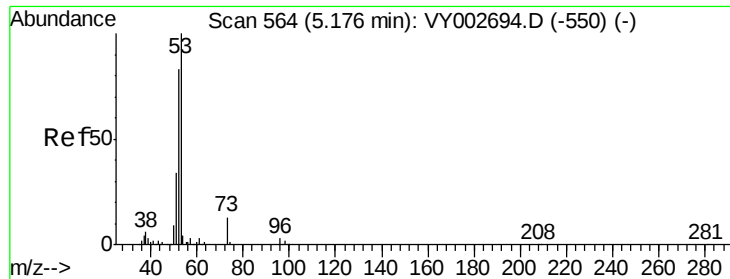
Ion Ratio Lower Upper

41 100

39 61.4 50.3 75.5

76 40.8 33.2 49.8





#15

Acrylonitrile

Concen: 241.819 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

ClientSampleId :

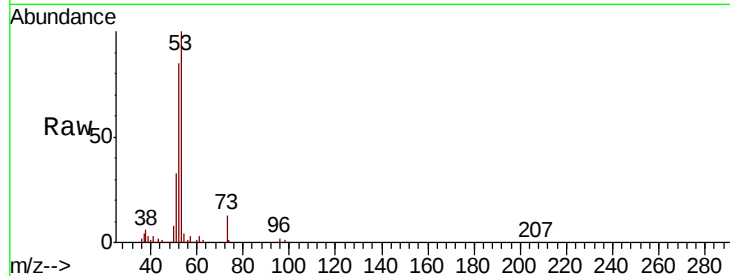
Tot Ion: 53 Resp: 206689

Ion Ratio Lower Upper

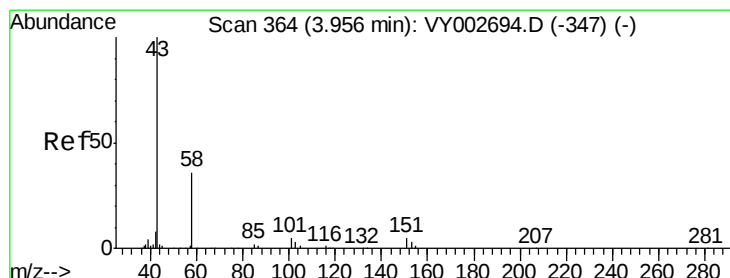
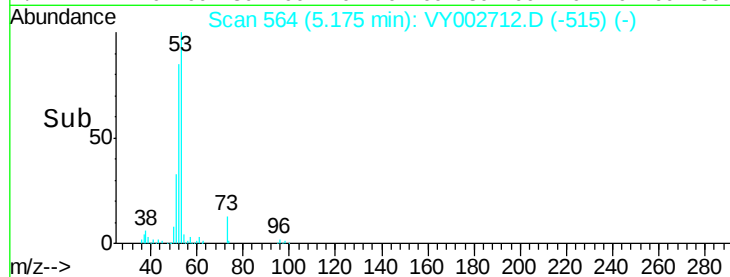
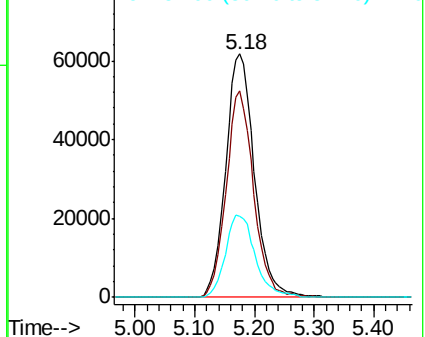
53 100

52 80.9 65.0 97.6

51 35.2 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VY0
Ion 52.00 (51.70 to 52.70): VY0
Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 253.278 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY002712.D

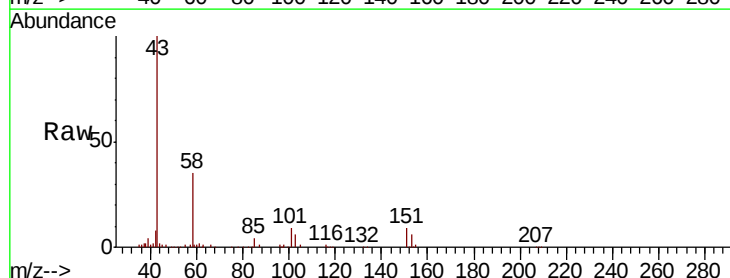
Acq: 19 May 2020 10:02

Tgt Ion: 43 Resp: 157256

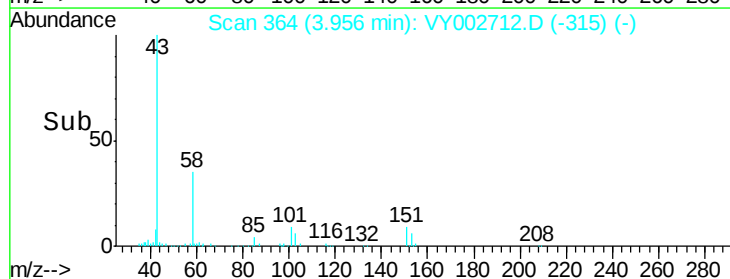
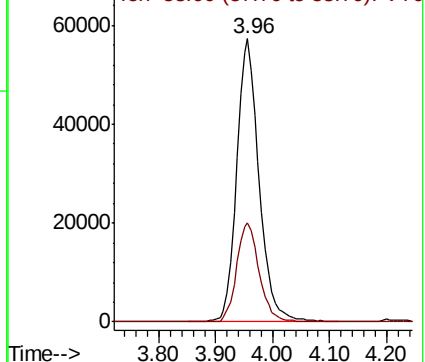
Ion Ratio Lower Upper

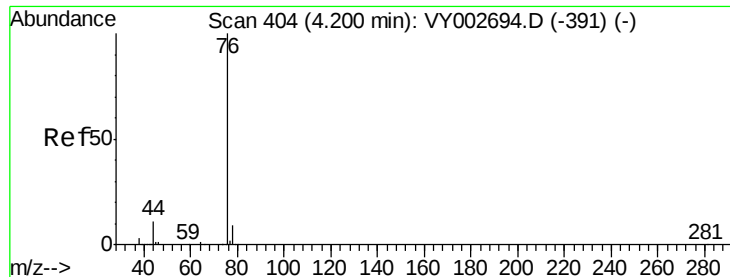
43 100

58 34.8 28.6 43.0



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

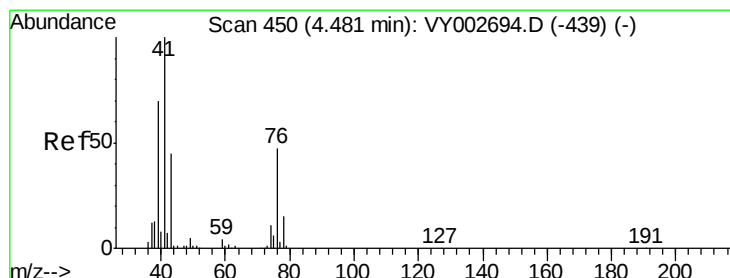
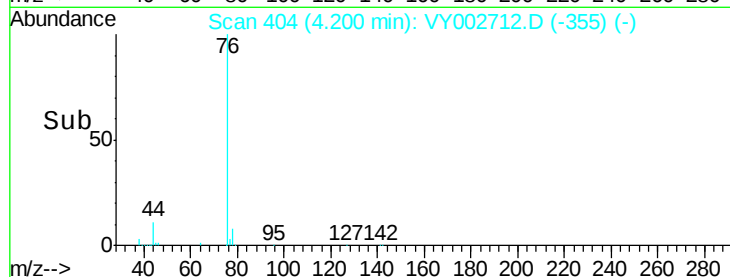
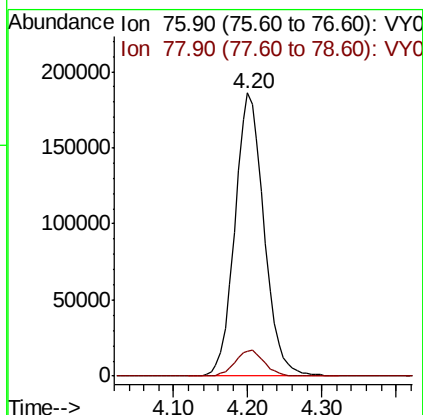
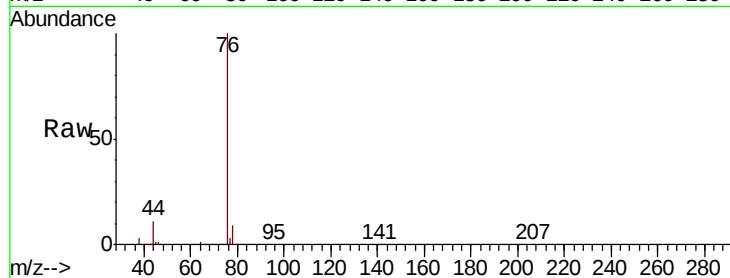




#17
Carbon Disulfide
Concen: 48.112 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

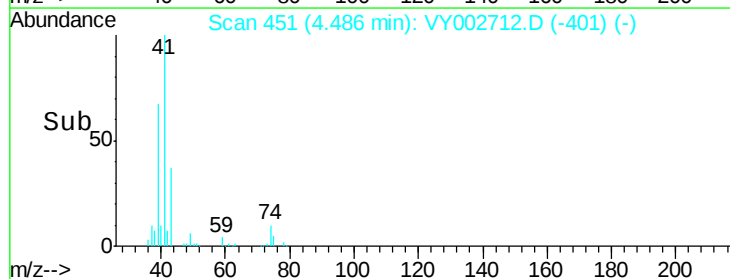
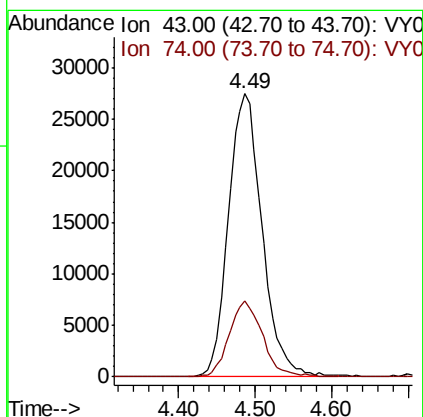
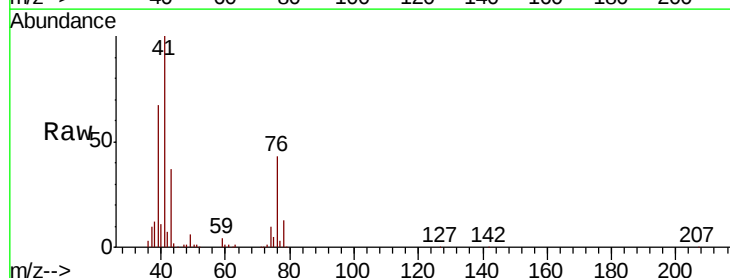
Instrument :
MSVOA_Y
ClientSampleId :

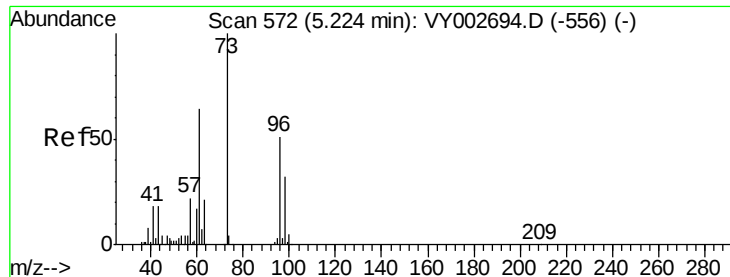
Tot Ion: 76 Resp: 509700
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 47.252 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Tgt Ion: 43 Resp: 83650
Ion Ratio Lower Upper
43 100
74 26.5 21.1 31.7

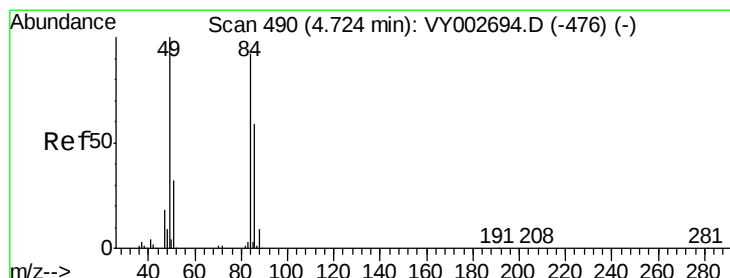
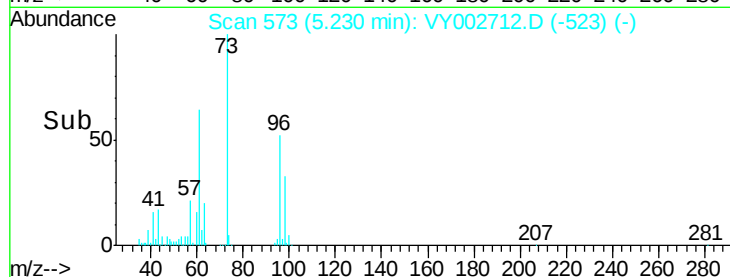
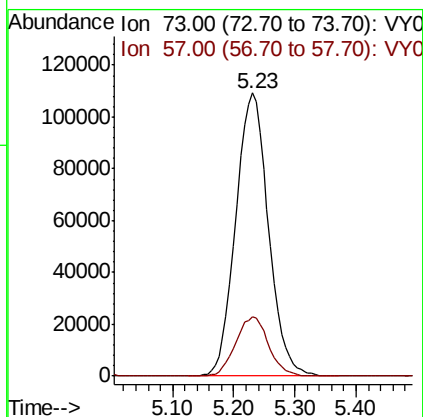
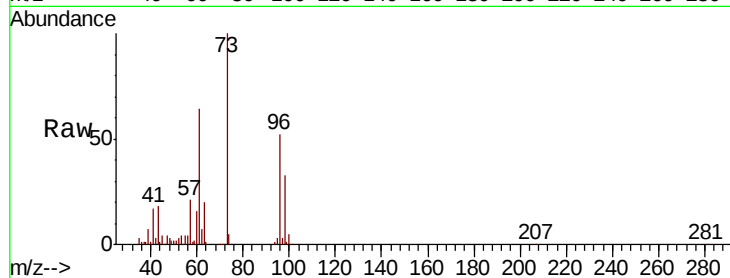




#19
Methvl tert-butvl Ether
Concen: 48.301 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

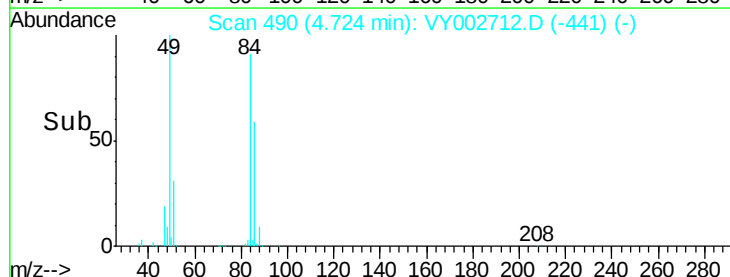
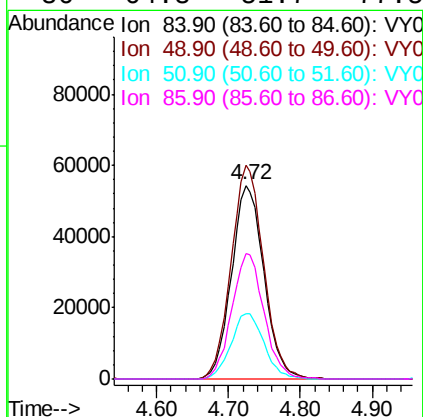
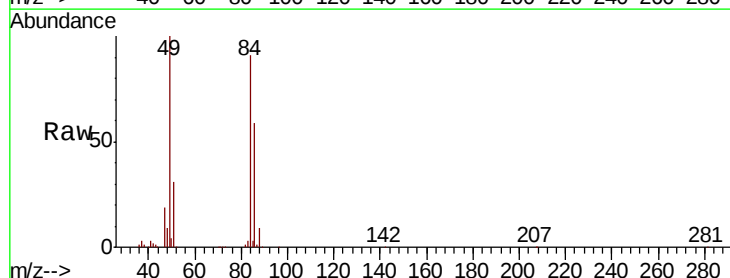
Instrument :
MSVOA_Y
ClientSampleId :

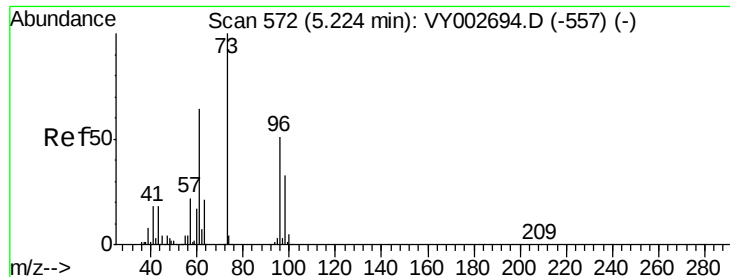
Tot Ion: 73 Resp: 404638
Ion Ratio Lower Upper
73 100
57 21.1 17.3 25.9



#20
Methylene Chloride
Concen: 45.396 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Tgt Ion: 84 Resp: 170376
Ion Ratio Lower Upper
84 100
49 110.3 87.4 131.0
51 33.7 27.9 41.9
86 64.8 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 47.585 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

ClientSampleId :

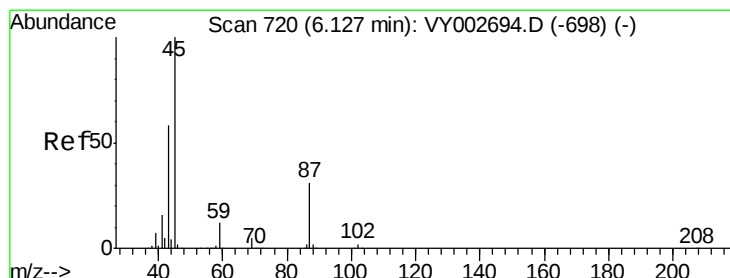
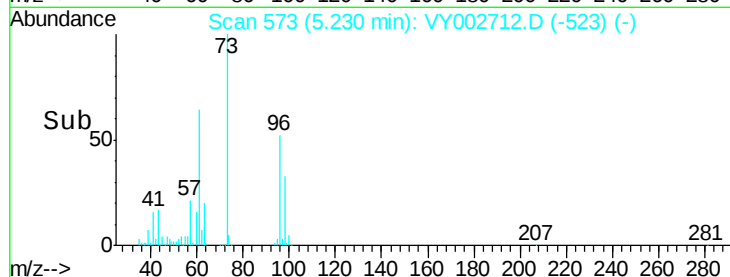
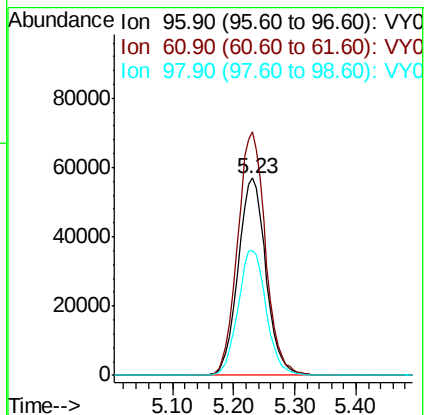
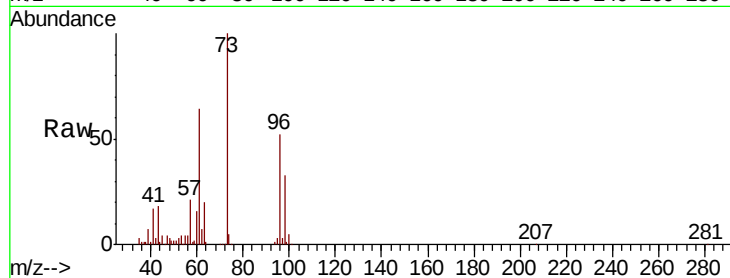
Tot Ion: 96 Resp: 178709

Ion Ratio Lower Upper

96 100

61 123.6 99.6 149.4

98 62.9 50.6 76.0



#22

Diisopropyl ether

Concen: 48.540 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Tgt Ion: 45 Resp: 466948

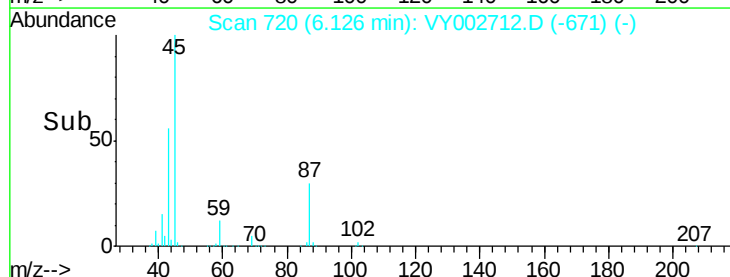
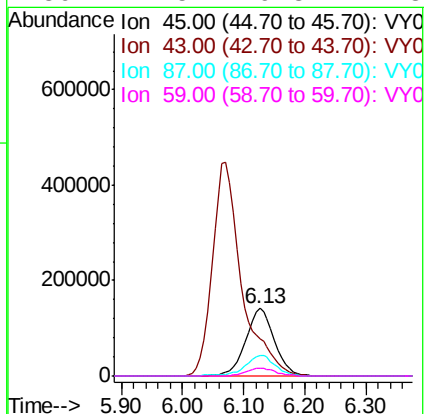
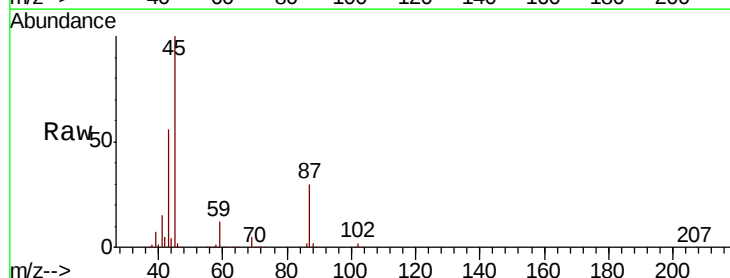
Ion Ratio Lower Upper

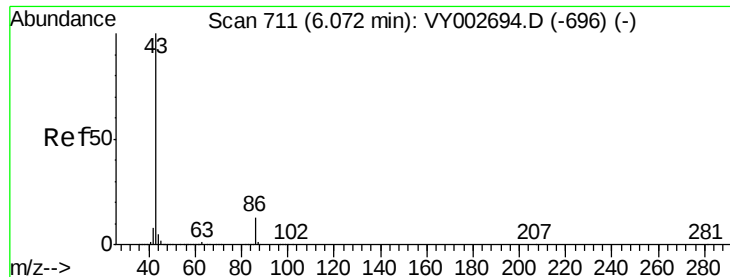
45 100

43 55.5 46.1 69.1

87 30.0 24.9 37.3

59 11.5 9.8 14.8





#23

Vinyl Acetate

Concen: 244.238 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

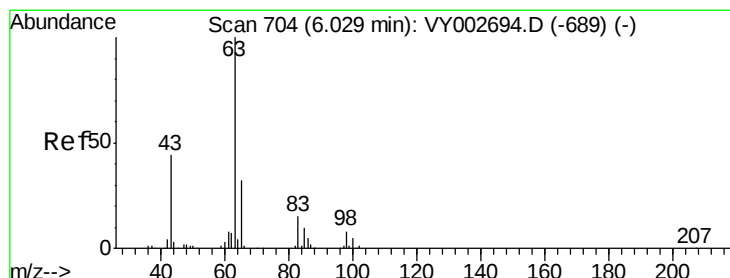
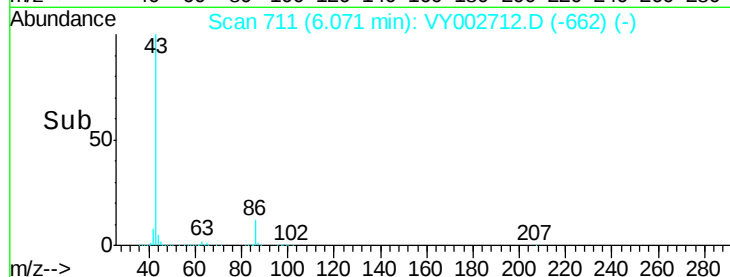
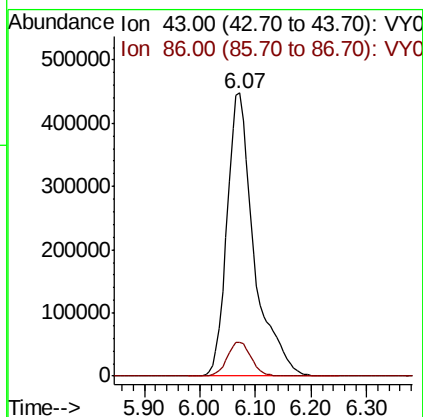
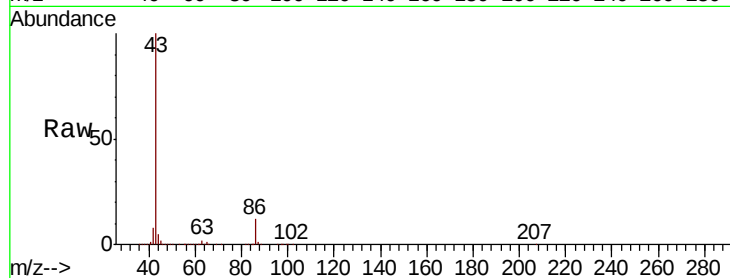
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 1504460

Ion Ratio Lower Upper

43 100

86 12.1 10.1 15.1



#24

1,1-Dichloroethane

Concen: 48.675 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

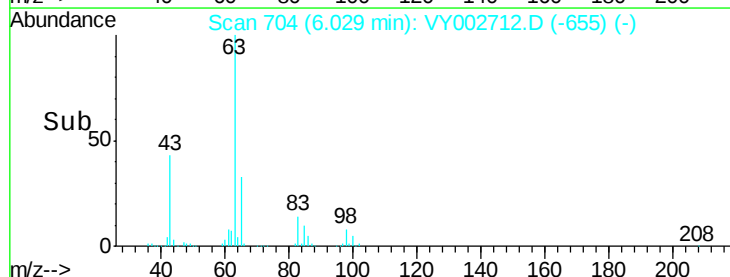
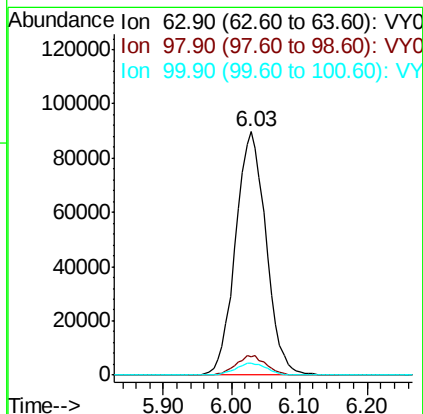
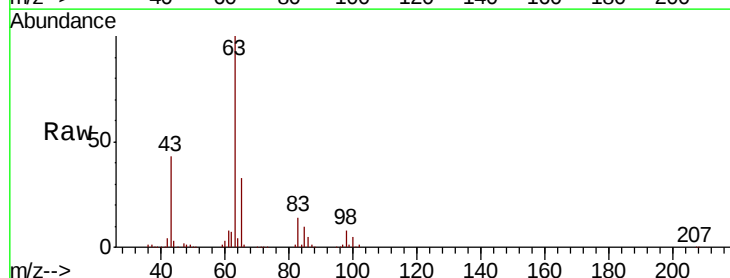
Tgt Ion: 63 Resp: 279800

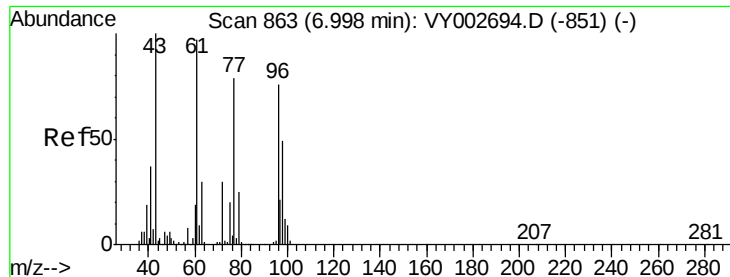
Ion Ratio Lower Upper

63 100

98 7.8 4.0 11.9

100 4.9 2.5 7.6

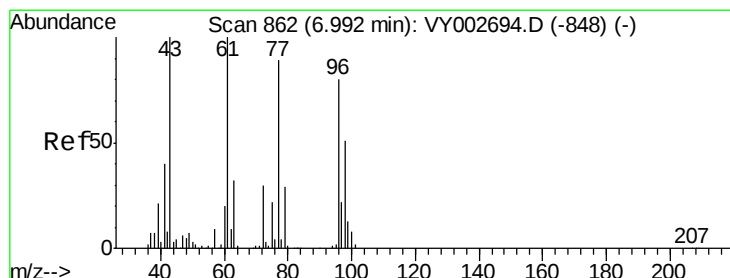
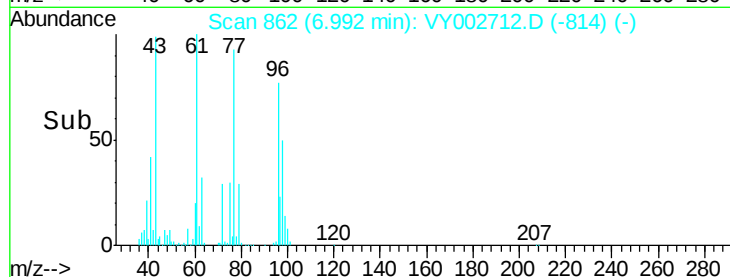
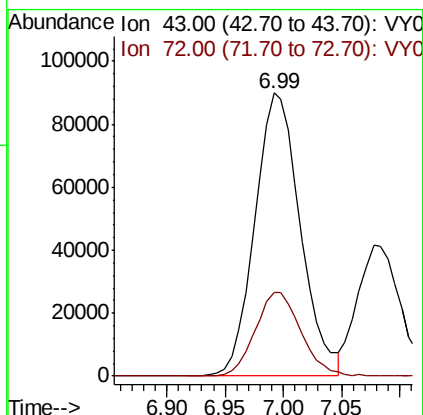
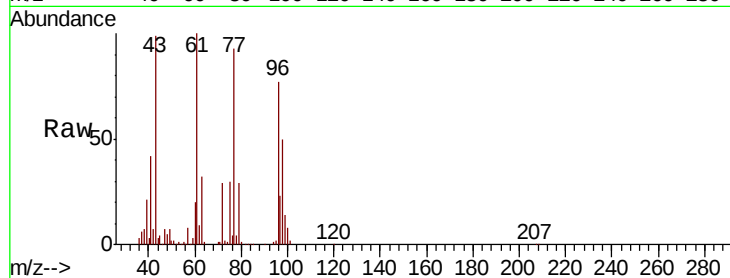




#25
2-Butanone
Concen: 237.765 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

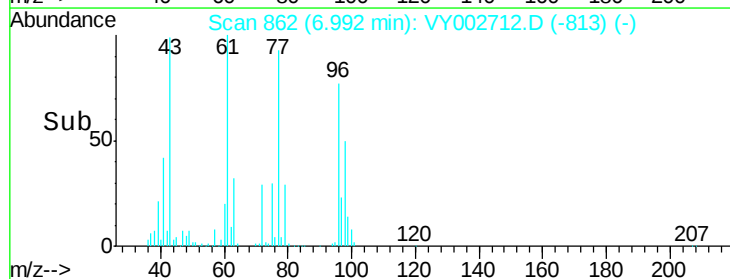
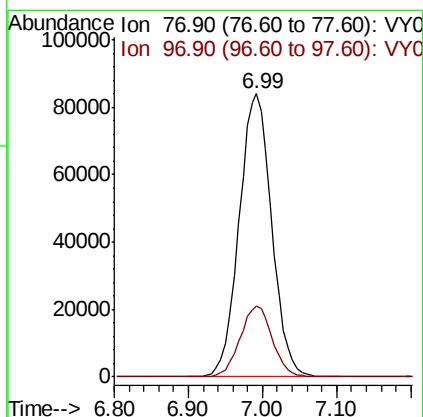
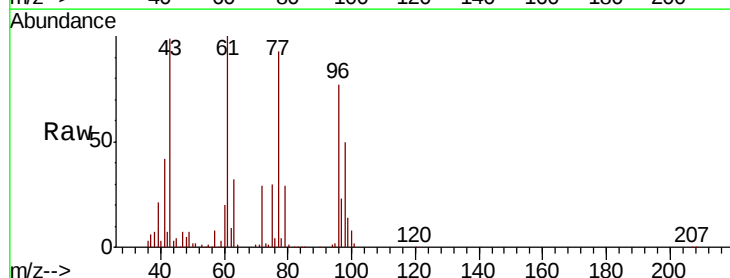
Instrument :
MSVOA_Y
ClientSampleId :

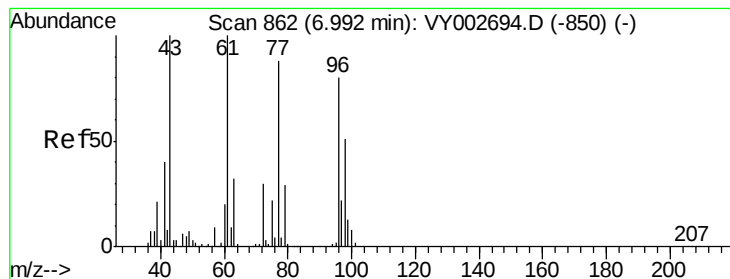
Tot Ion: 43 Resp: 244251
Ion Ratio Lower Upper
43 100
72 29.4 24.1 36.1



#26
2,2-Dichloropropane
Concen: 48.086 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Tgt Ion: 77 Resp: 257188
Ion Ratio Lower Upper
77 100
97 24.7 12.3 36.9



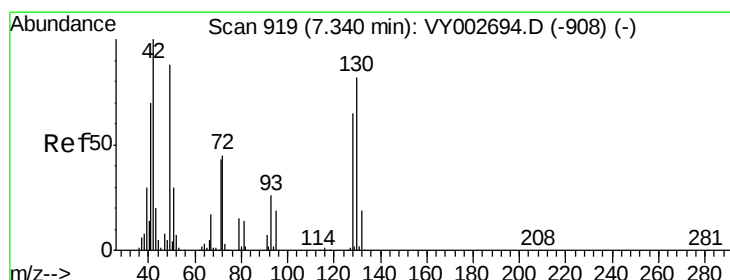
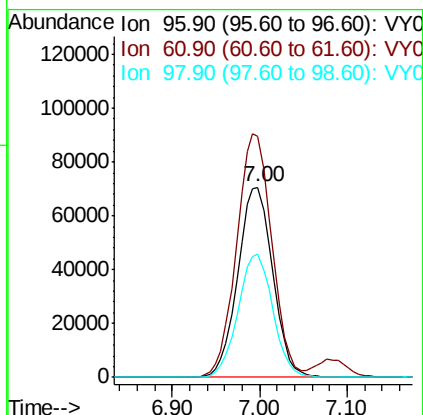
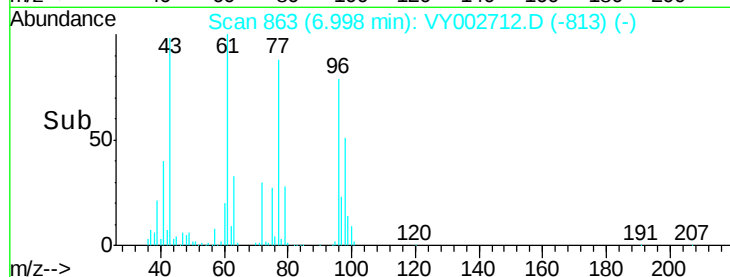
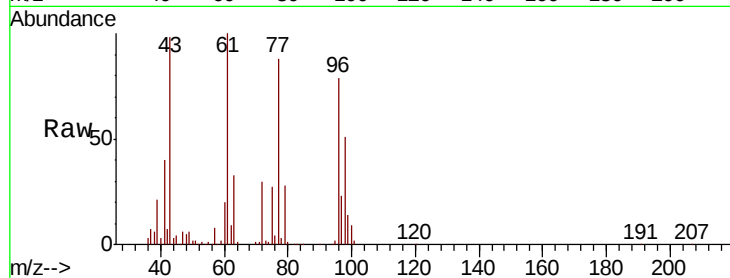


#27

cis-1,2-Dichloroethene
Concen: 48.365 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Instrument :
MSVOA_Y
ClientSampleId :

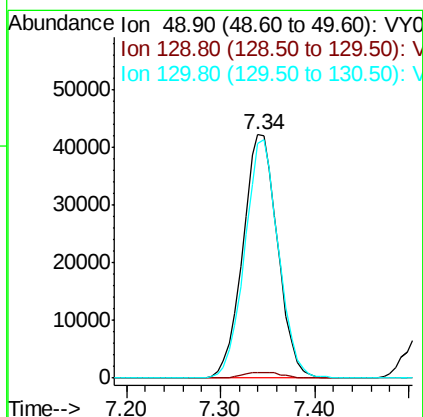
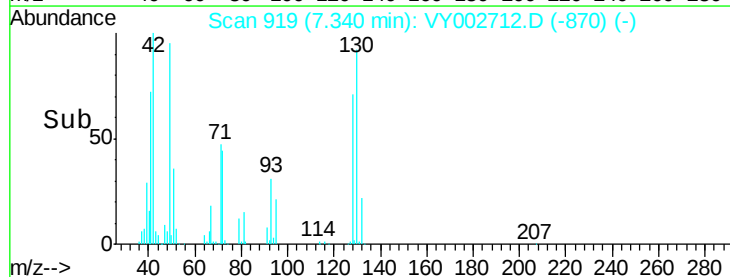
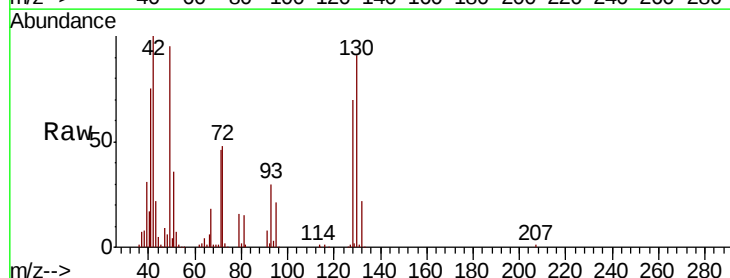
Tot Ion	Ratio	Lower	Upper
96	100		
61	129.5	0.0	258.0
98	64.4	0.0	128.4

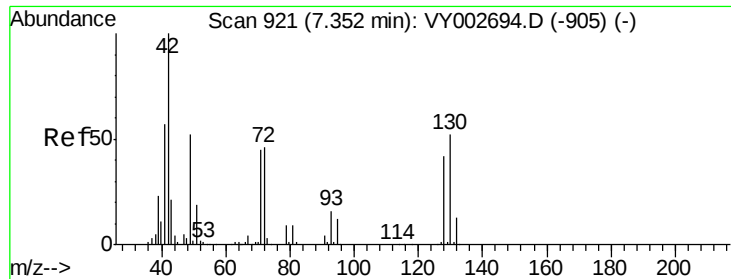


#28

Bromochloromethane
Concen: 47.993 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	94.8	75.3	112.9

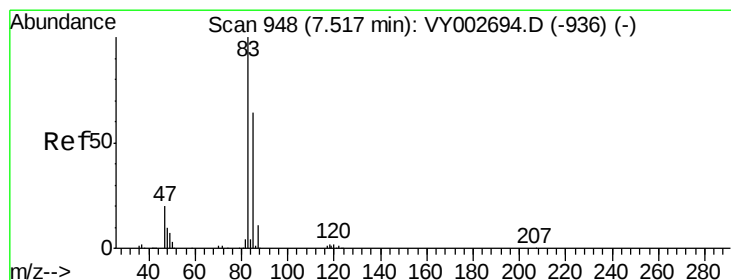
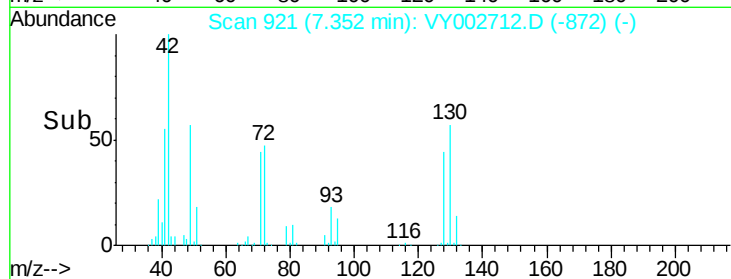
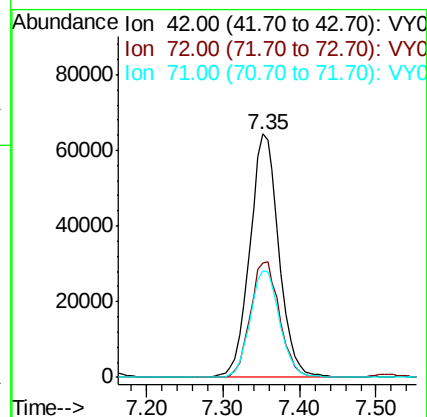
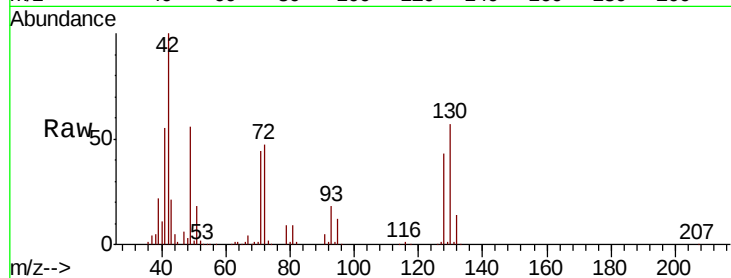




#29
Tetrahydrofuran
Concen: 242.638 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

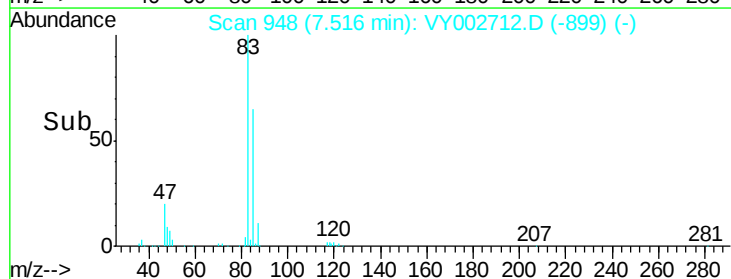
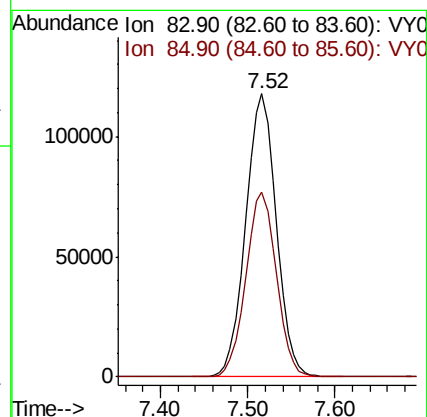
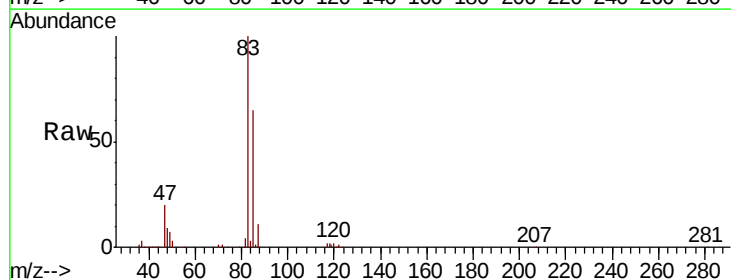
Instrument :
MSVOA_Y
ClientSampleId :

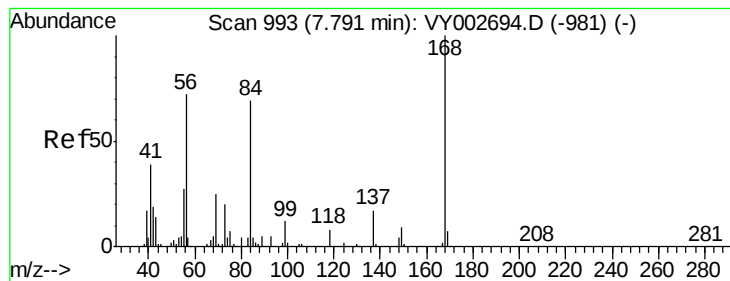
Tot Ion: 42 Resp: 169592
Ion Ratio Lower Upper
42 100
72 47.8 38.2 57.2
71 44.7 35.8 53.8



#30
Chloroform
Concen: 48.034 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Tgt Ion: 83 Resp: 286572
Ion Ratio Lower Upper
83 100
85 65.1 51.5 77.3





#31

Cyclohexane

Concen: 47.273 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :
MSVOA_Y
ClientSampleId :

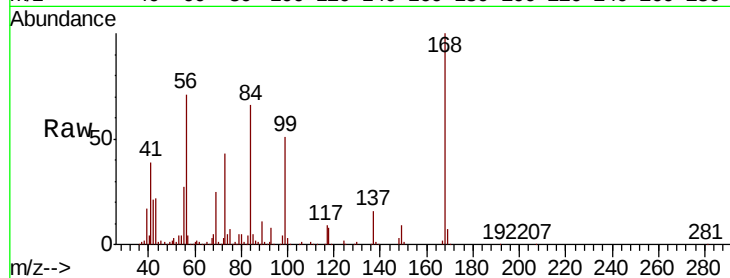
Tot Ion: 56 Resp: 275614

Ion Ratio Lower Upper

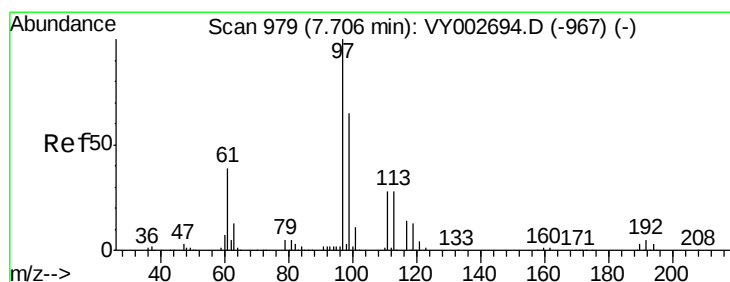
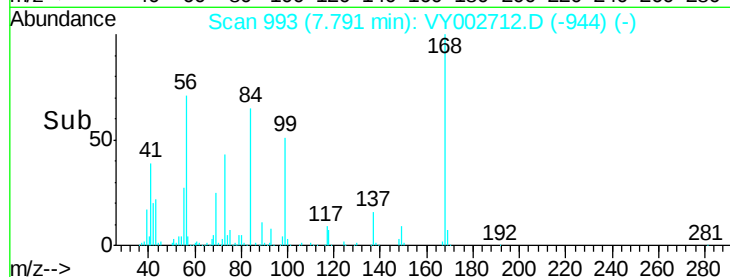
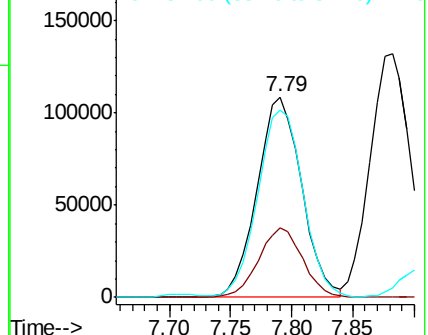
56 100

69 34.6 27.7 41.5

84 92.4 77.0 115.4



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: 48.732 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

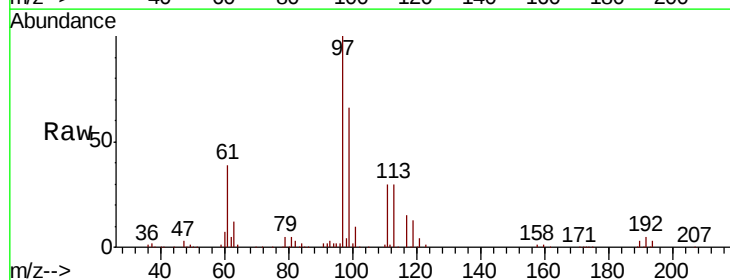
Tgt Ion: 97 Resp: 268642

Ion Ratio Lower Upper

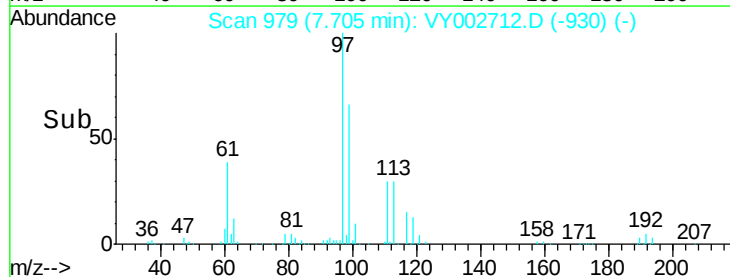
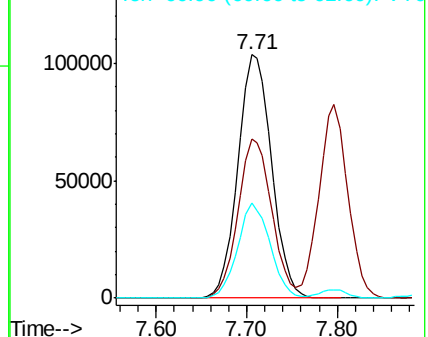
97 100

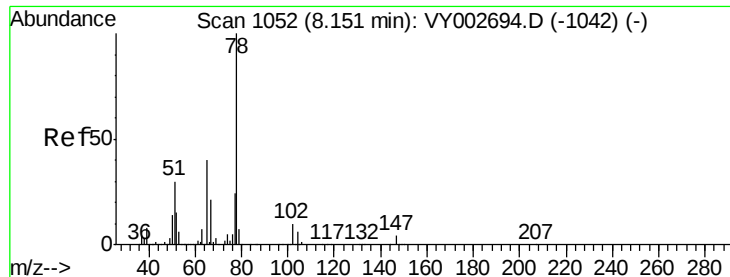
99 65.2 51.6 77.4

61 37.7 30.6 45.8



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

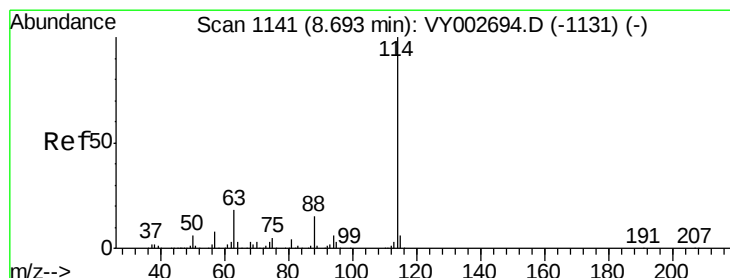
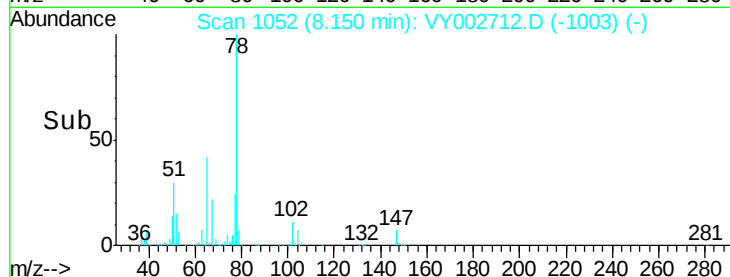
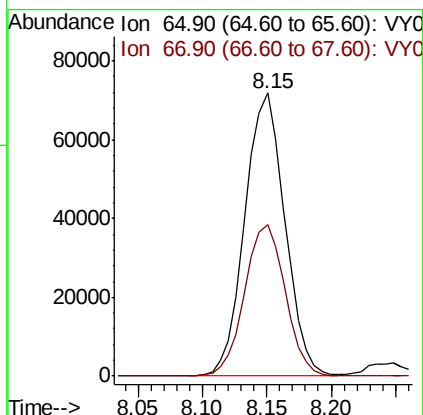
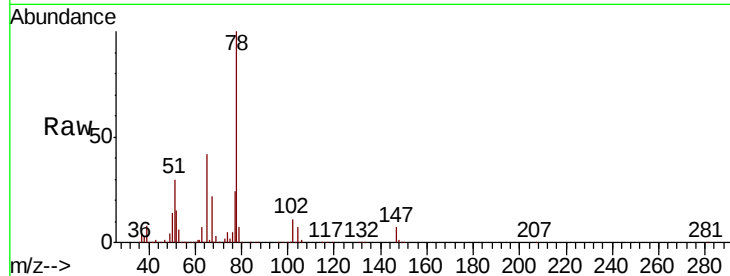




#33
 1,2-Dichloroethane-d4
 Concen: 51.347 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY002712.D
 Acq: 19 May 2020 10:02

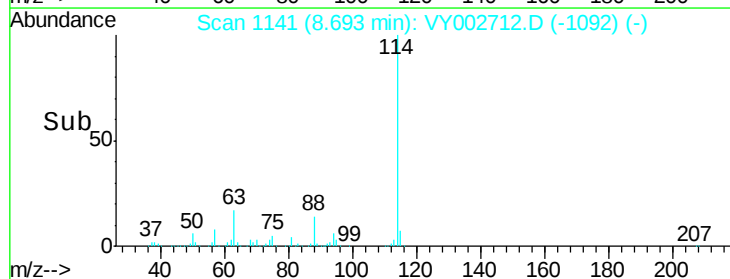
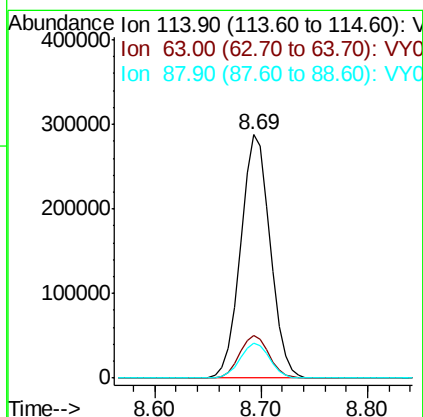
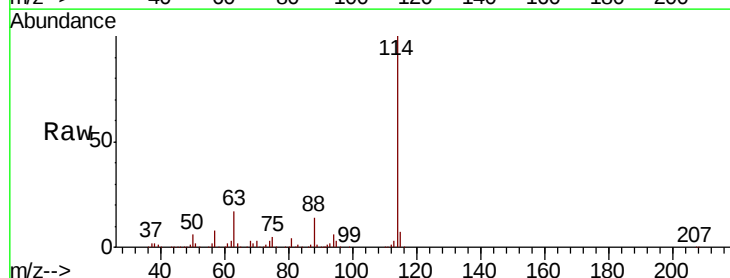
Instrument :
 MSVOA_Y
 ClientSampleId :

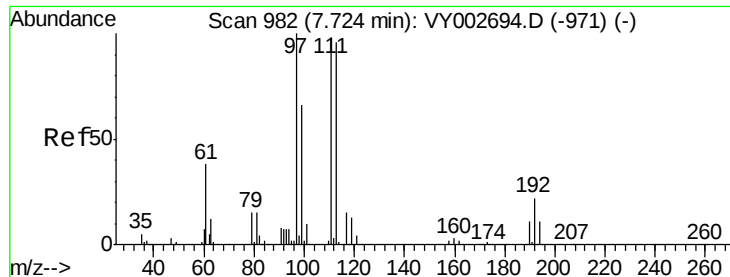
Tot Ion: 65 Resp: 154650
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002712.D
 Acq: 19 May 2020 10:02

Tgt Ion: 114 Resp: 560978
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.4
 88 14.5 0.0 29.4

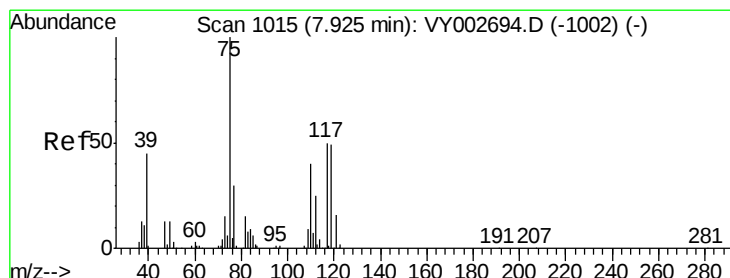
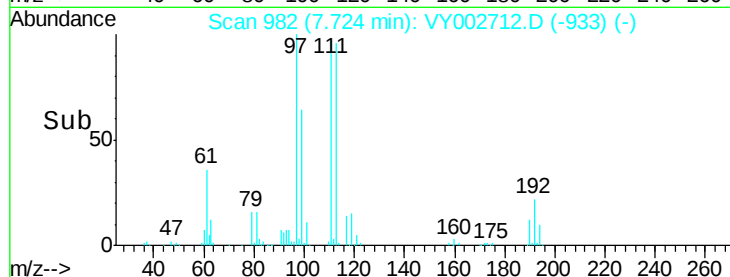
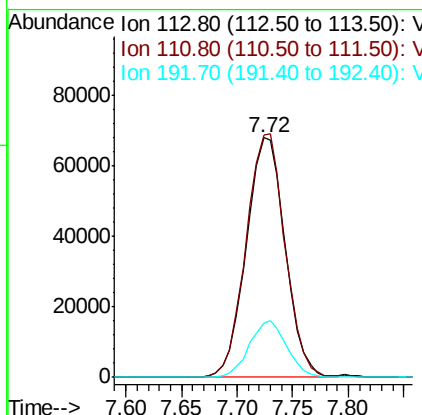
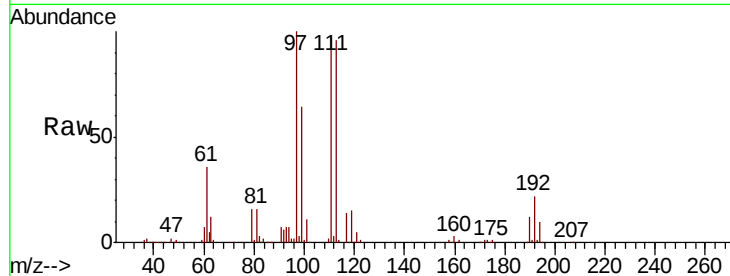




#35
 Dibromofluoromethane
 Concen: 53.503 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY002712.D
 Acq: 19 May 2020 10:02

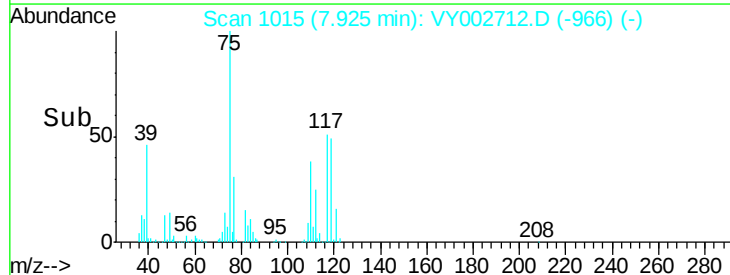
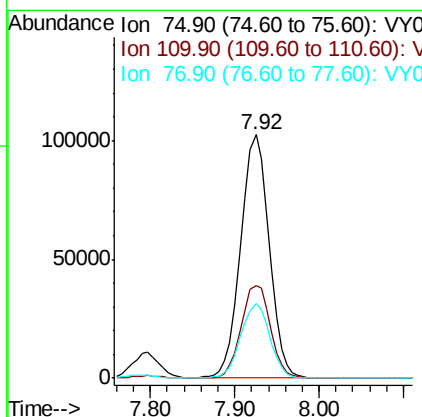
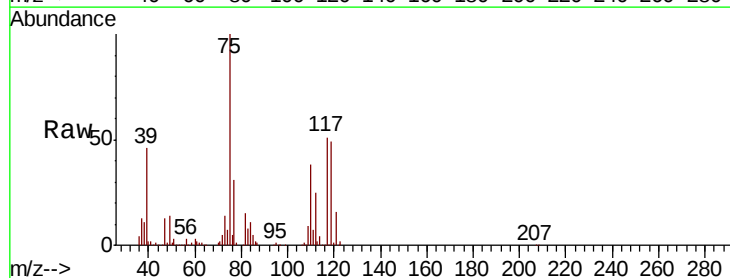
Instrument :
 MSVOA_Y
 ClientSampleId :

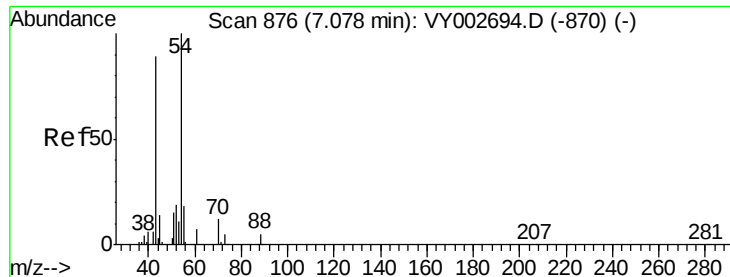
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	22.8	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 49.230 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY002712.D
 Acq: 19 May 2020 10:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.9	19.4	58.4
77	31.3	25.0	37.4

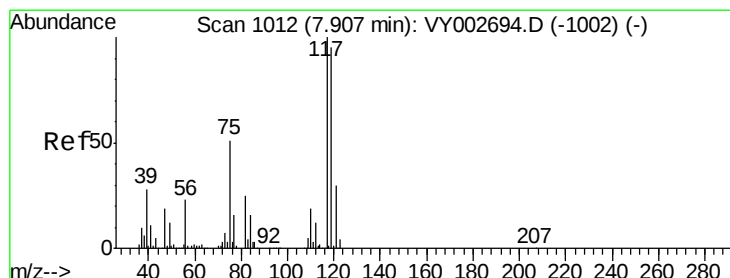
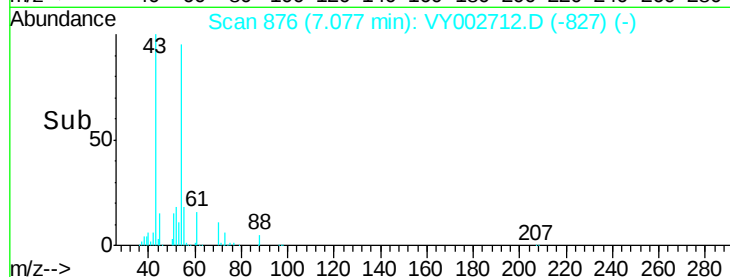
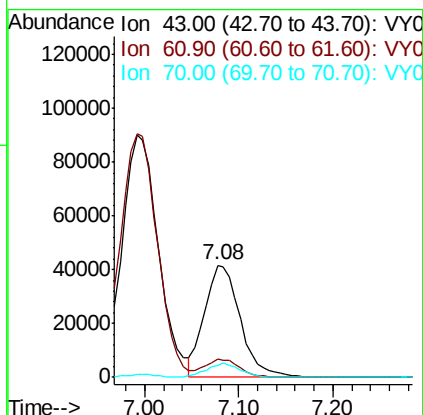
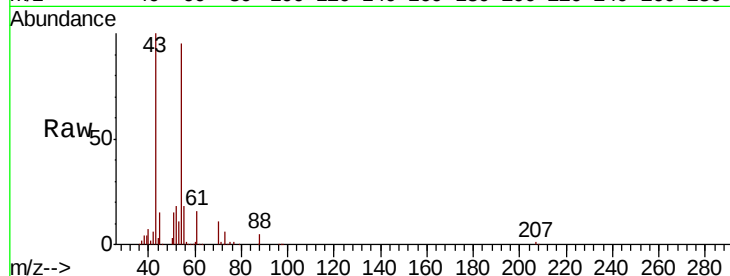




#37
Ethyl Acetate
Concen: 46.854 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

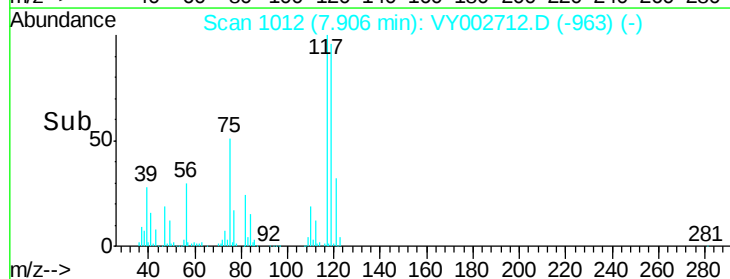
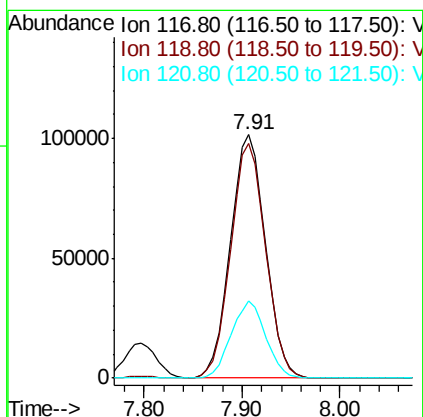
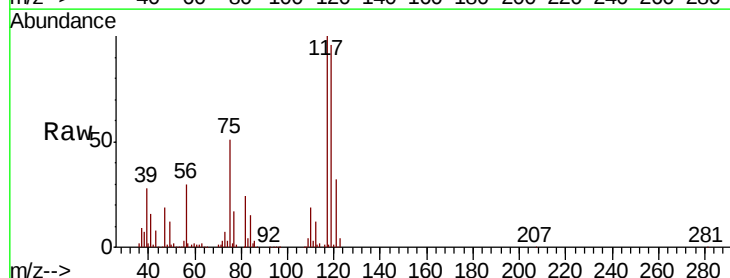
Instrument :
MSVOA_Y
ClientSampled :

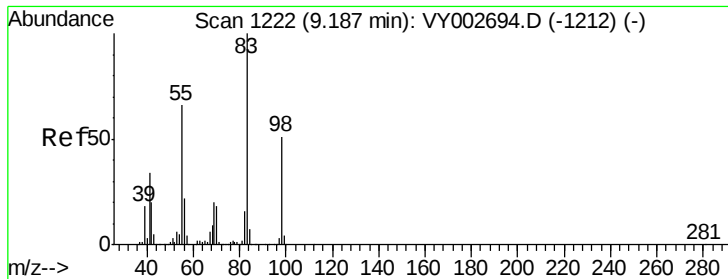
Tot Ion: 43 Resp: 109440
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.8
70 12.0 9.2 13.8



#38
Carbon Tetrachloride
Concen: 49.439 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Tgt Ion: 117 Resp: 252338
Ion Ratio Lower Upper
117 100
119 96.2 76.3 114.5
121 31.5 24.2 36.2

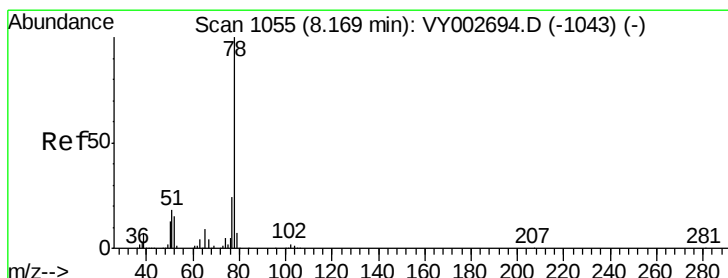
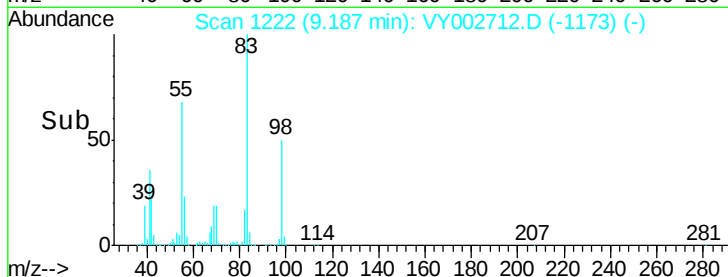
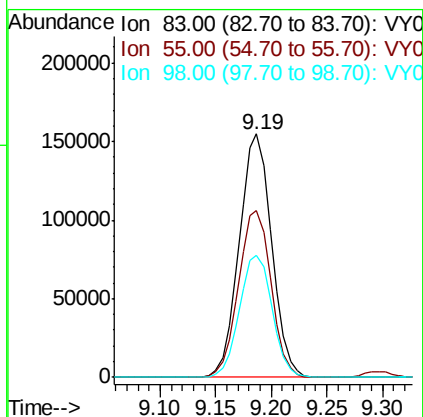
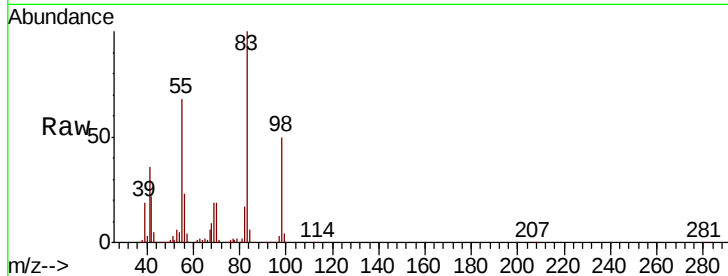




#39
Methvlcvclohexane
Concen: 48.949 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

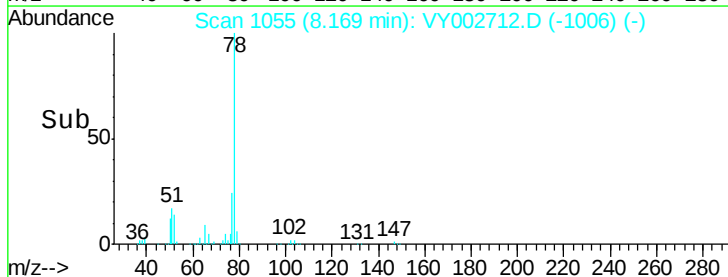
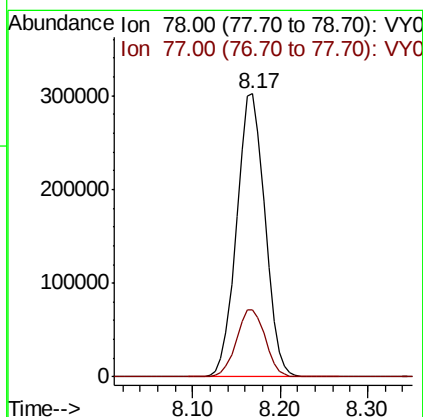
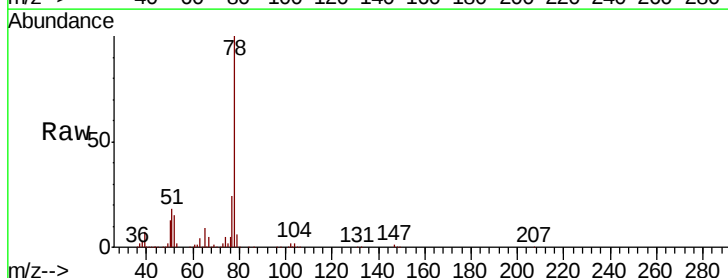
Instrument :
MSVOA_Y
ClientSampleId :

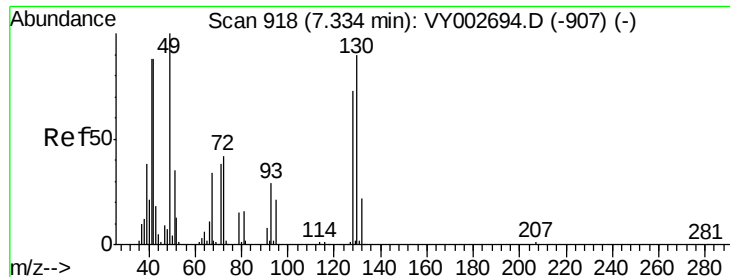
Tot Ion: 83 Resp: 312565
Ion Ratio Lower Upper
83 100
55 68.4 53.0 79.6
98 50.2 40.8 61.2



#40
Benzene
Concen: 49.086 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Tgt Ion: 78 Resp: 680162
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8

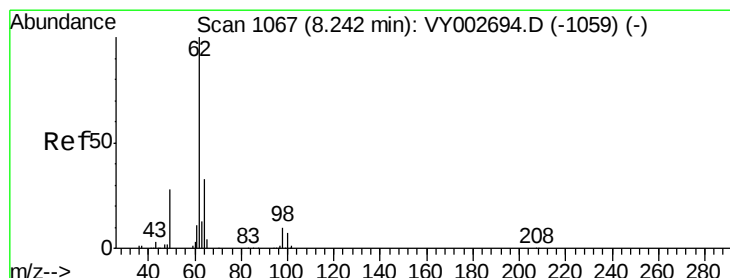
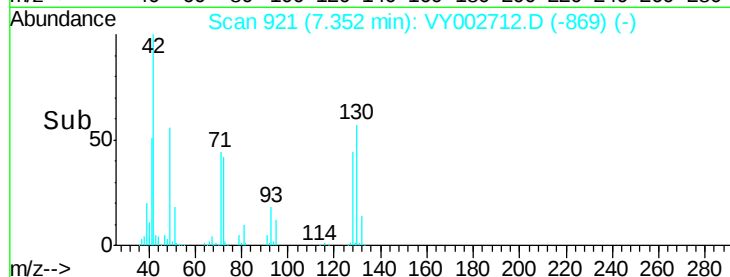
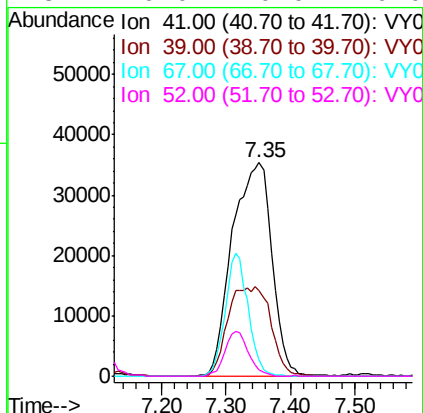
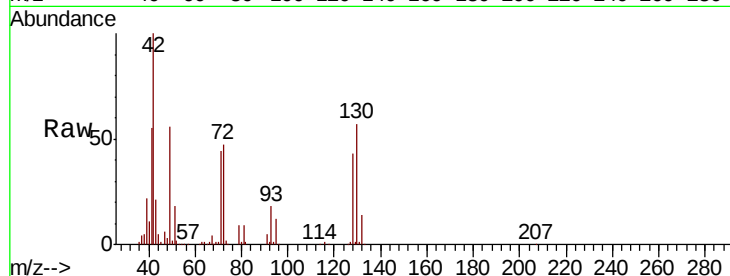




#41
Methacrylonitrile
Concen: 107.318 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.02 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

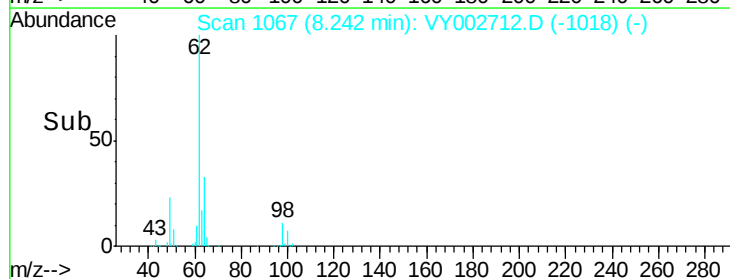
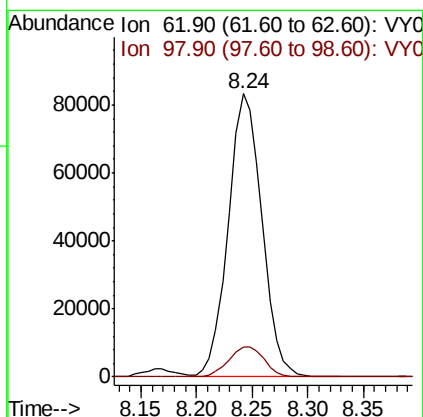
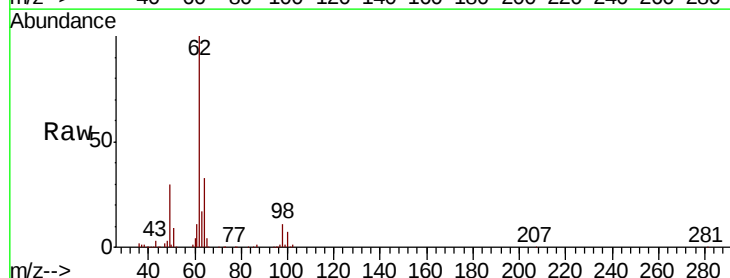
Instrument :
MSVOA_Y
ClientSampleId :

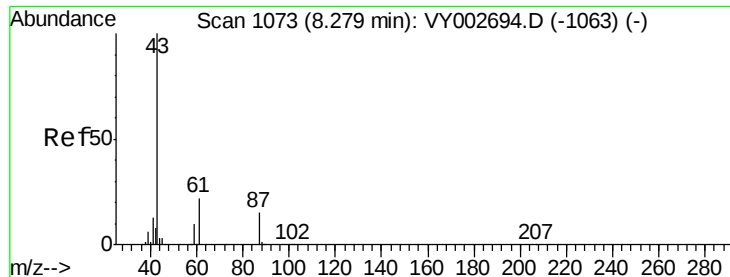
Tot Ion: 41 Resp: 150601
Ion Ratio Lower Upper
41 100
39 45.2 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 47.839 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Tgt Ion: 62 Resp: 174834
Ion Ratio Lower Upper
62 100
98 11.2 0.0 21.8





#43

Isopropyl Acetate

Concen: 49.282 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

ClientSampled :

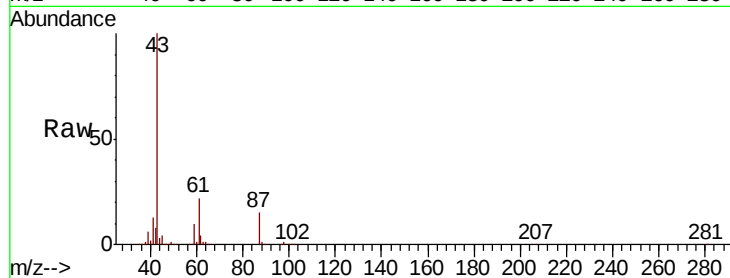
Tot Ion: 43 Resp: 213927

Ion Ratio Lower Upper

43 100

61 31.3 24.9 37.3

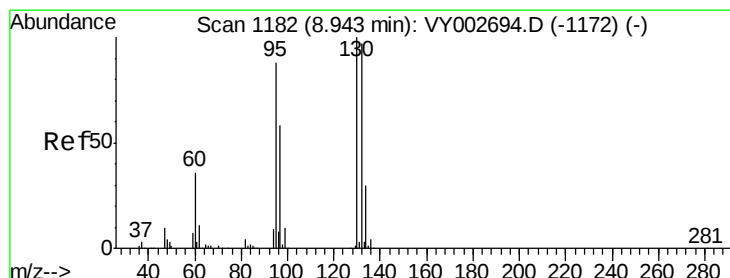
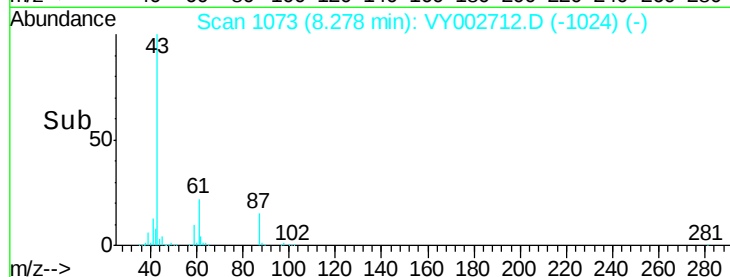
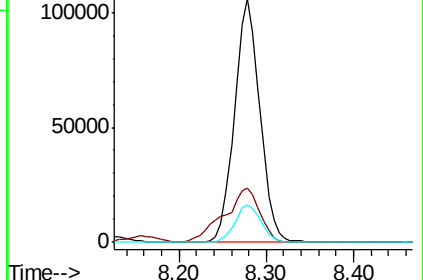
87 15.8 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VY002712.D (-1024) (-)

Ion 61.00 (60.70 to 61.70): VY002712.D (-1024) (-)

Ion 87.00 (86.70 to 87.70): VY002712.D (-1024) (-)



#44

Trichloroethene

Concen: 48.998 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY002712.D

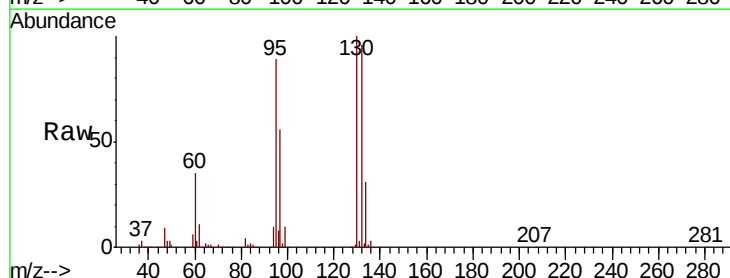
Acq: 19 May 2020 10:02

Tgt Ion: 130 Resp: 216417

Ion Ratio Lower Upper

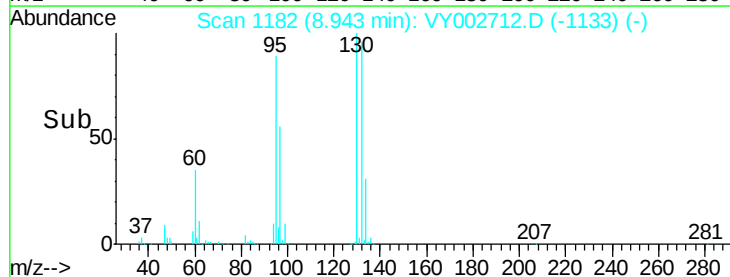
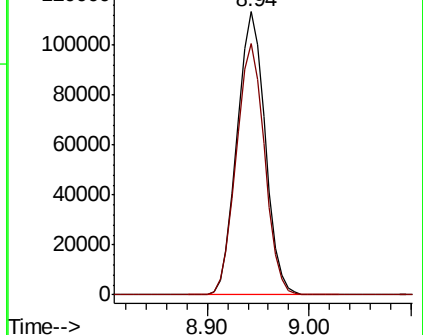
130 100

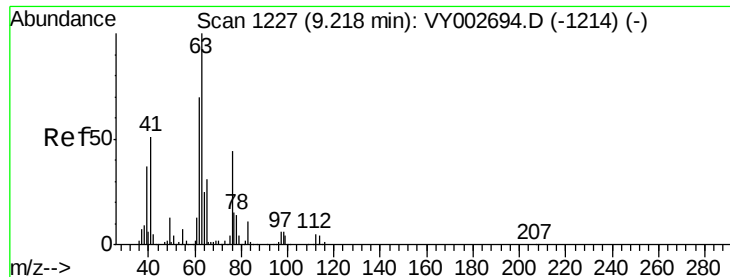
95 88.6 0.0 176.4



Abundance Ion 129.80 (129.50 to 130.50): VY002712.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY002712.D (-1133) (-)





#45

1,2-Dichloropropane

Concen: 49.045 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

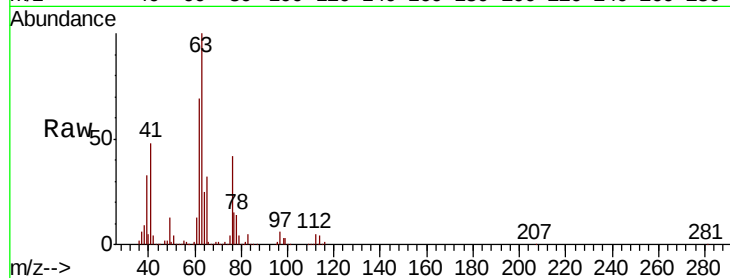
ClientSampleId :

Tot Ion: 63 Resp: 161290

Ion Ratio Lower Upper

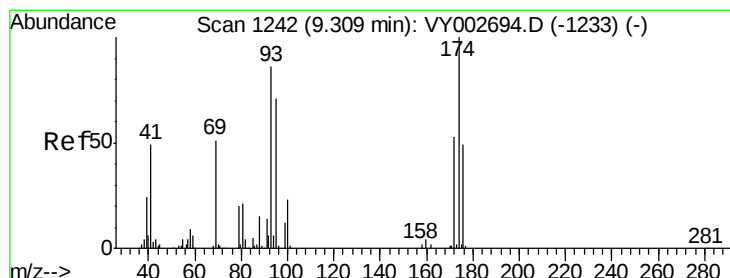
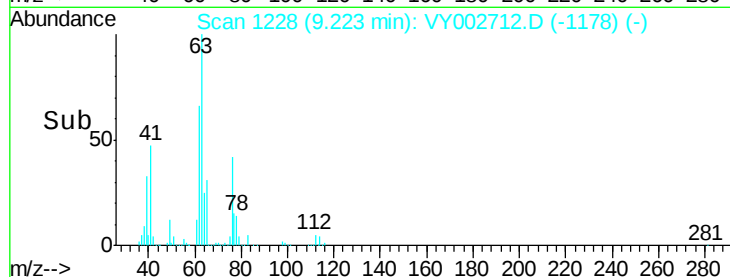
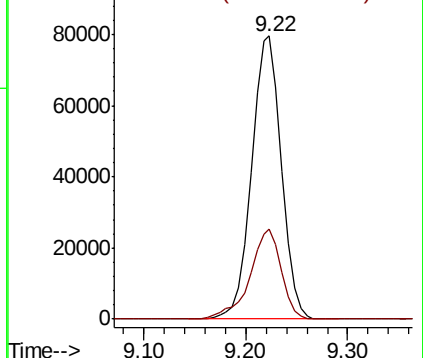
63 100

65 31.6 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 49.191 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

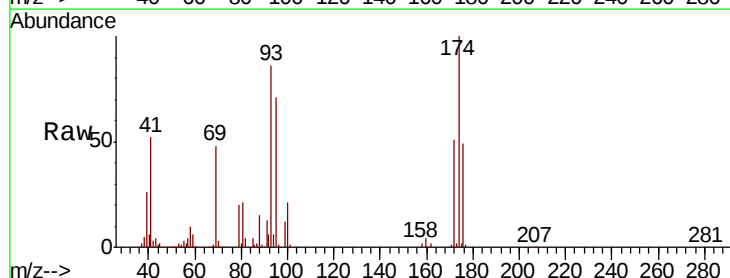
Tgt Ion: 93 Resp: 90887

Ion Ratio Lower Upper

93 100

95 82.5 66.5 99.7

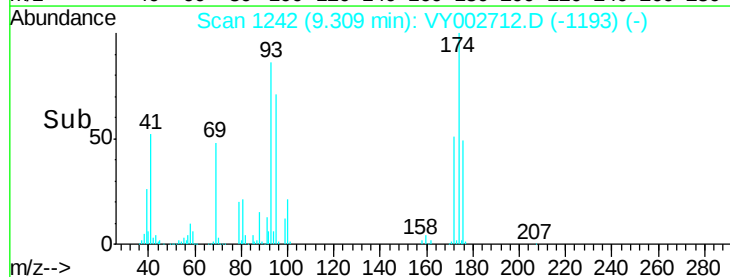
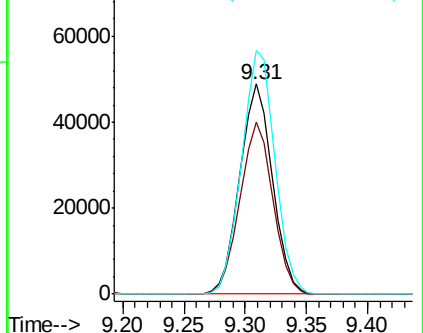
174 118.6 95.6 143.4

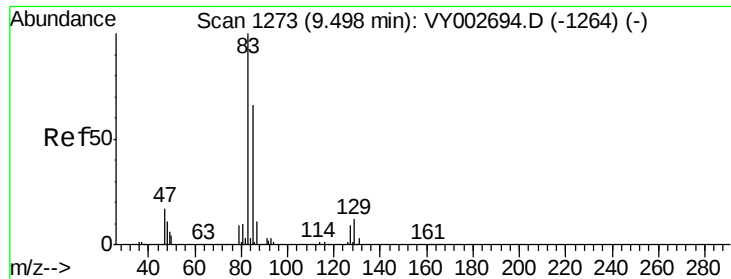


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.374 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :
MSVOA_Y
ClientSampleId :

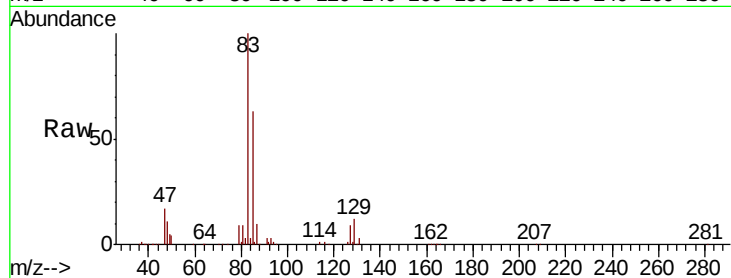
Tot Ion: 83 Resp: 222644

Ion Ratio Lower Upper

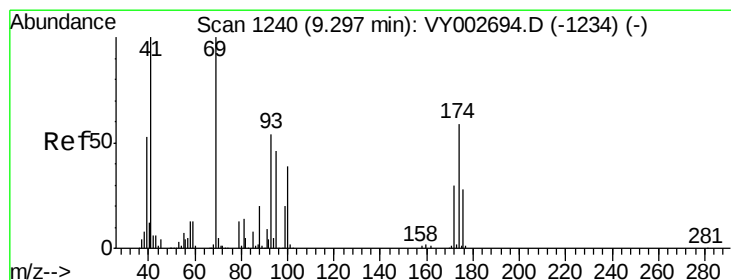
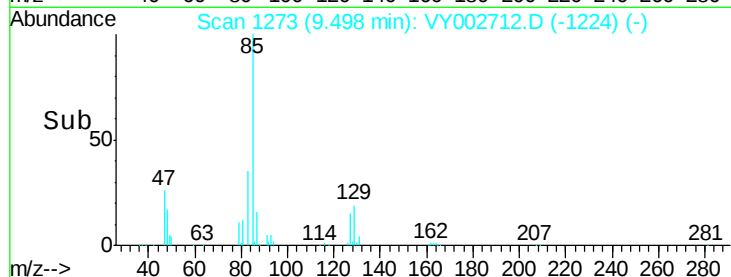
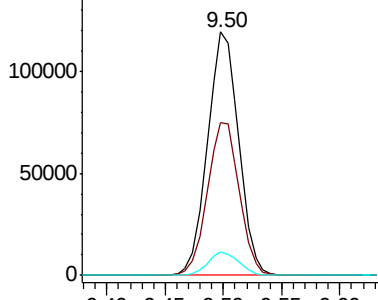
83 100

85 62.9 52.4 78.6

127 9.4 7.6 11.4



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



#48

Methyl methacrylate

Concen: 50.781 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

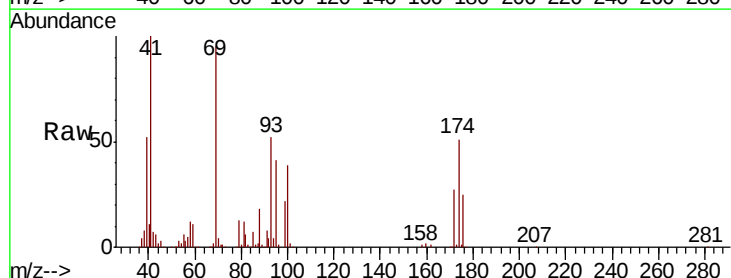
Tgt Ion: 41 Resp: 101495

Ion Ratio Lower Upper

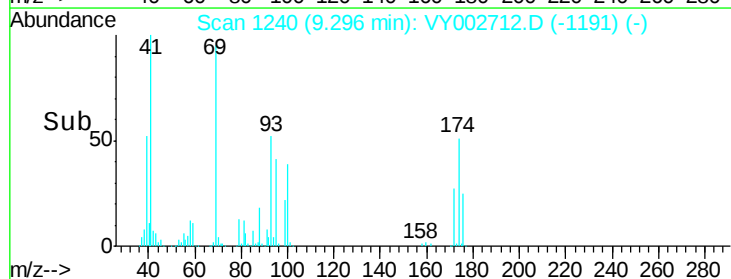
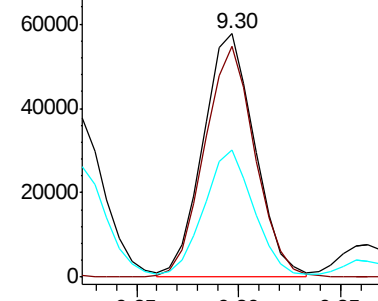
41 100

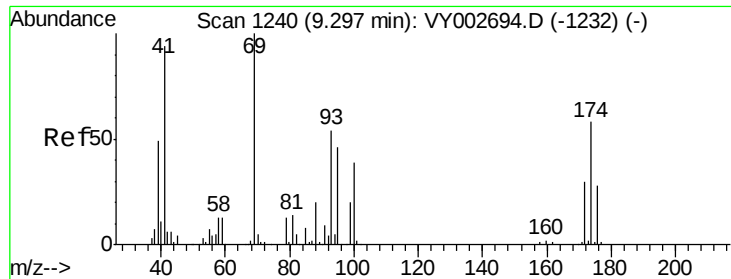
69 93.1 78.7 118.1

39 48.7 42.9 64.3



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





#49

1,4-Dioxane

Concen: 946.740 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :
MSVOA_Y
ClientSampleId :

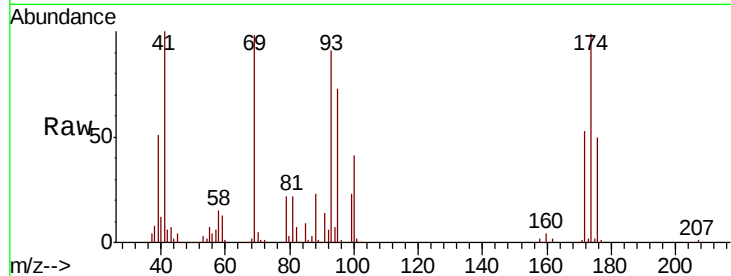
Tot Ion: 88 Resp: 23824

Ion Ratio Lower Upper

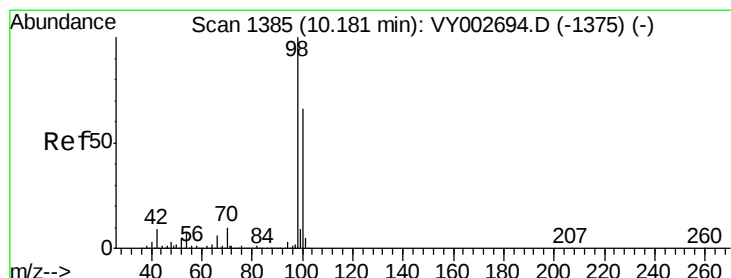
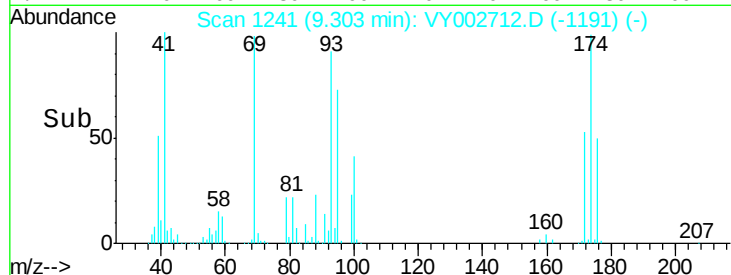
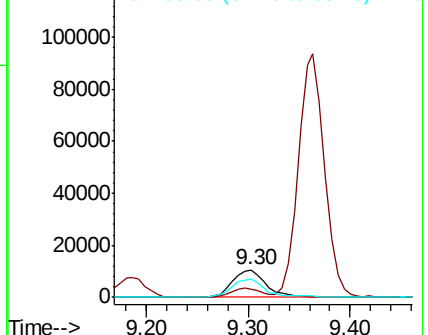
88 100

43 29.2 23.4 35.0

58 62.8 54.5 81.7



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



#50

Toluene-d8

Concen: 53.010 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002712.D

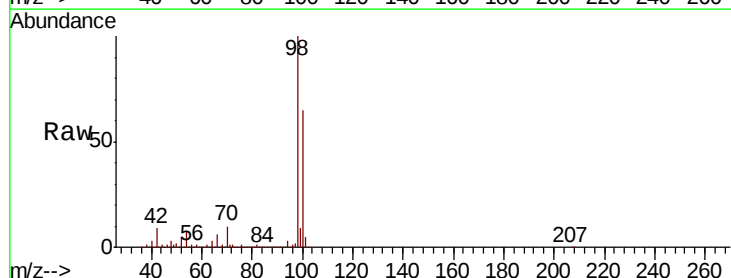
Acq: 19 May 2020 10:02

Tgt Ion: 98 Resp: 660735

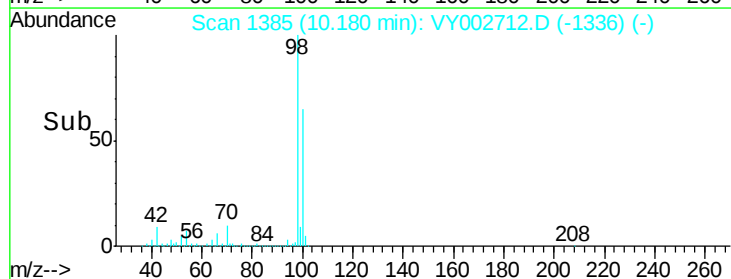
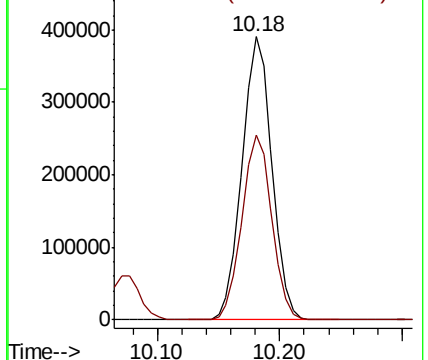
Ion Ratio Lower Upper

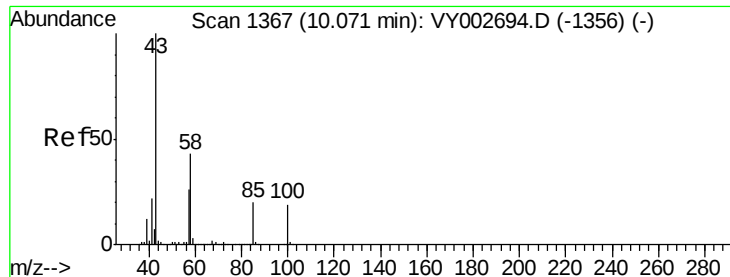
98 100

100 65.4 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 248.456 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

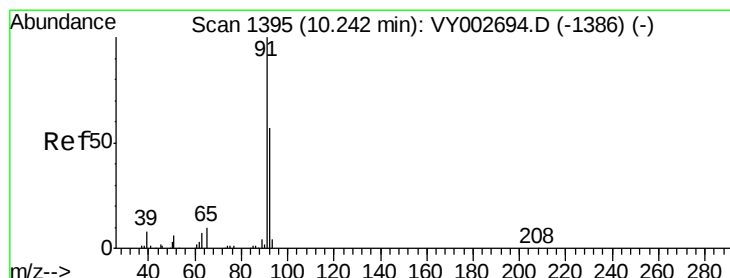
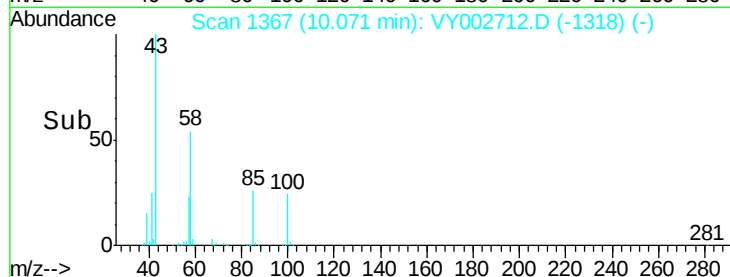
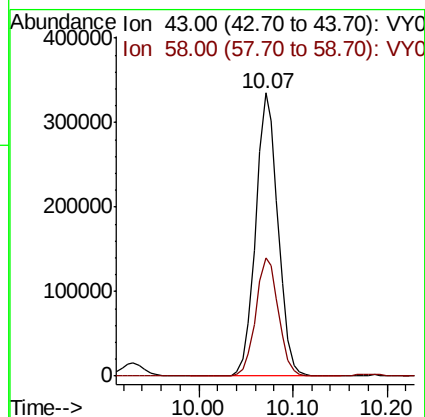
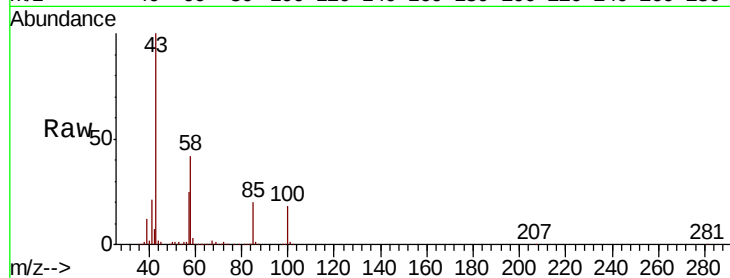
ClientSampleId :

Tot Ion: 43 Resp: 556835

Ion Ratio Lower Upper

43 100

58 42.6 34.1 51.1



#52

Toluene

Concen: 49.132 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY002712.D

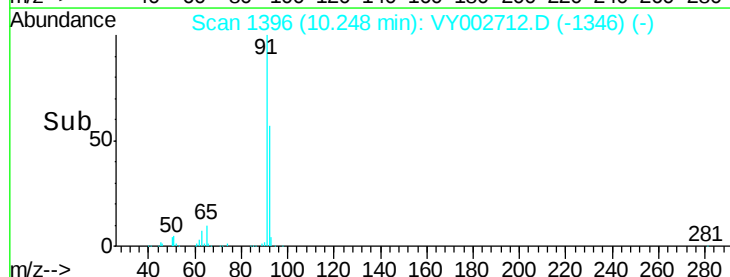
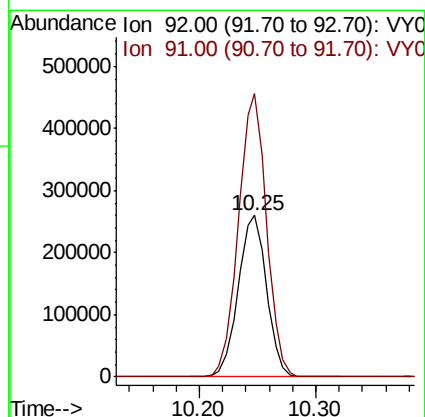
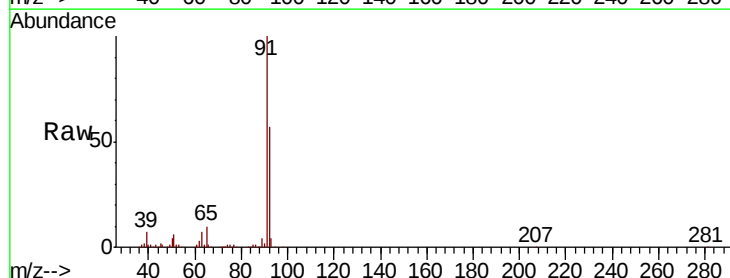
Acq: 19 May 2020 10:02

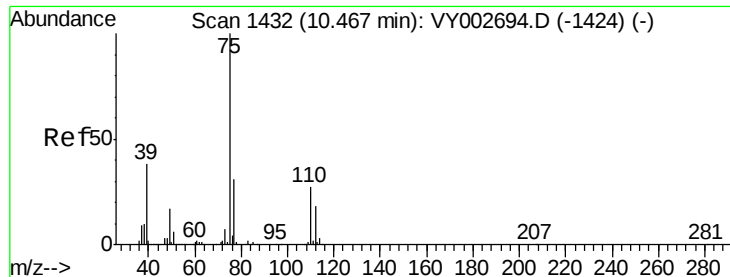
Tgt Ion: 92 Resp: 440578

Ion Ratio Lower Upper

92 100

91 174.0 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 49.700 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

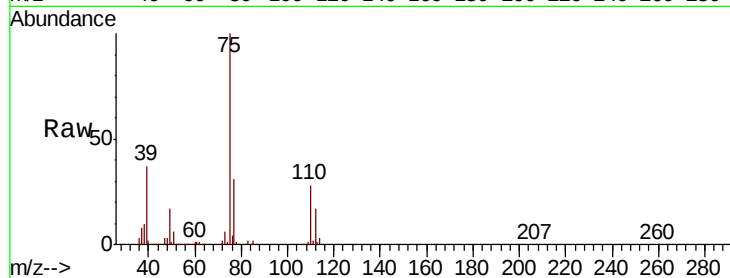
ClientSampleId :

Tot Ion: 75 Resp: 239202

Ion Ratio Lower Upper

75 100

77 30.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.47

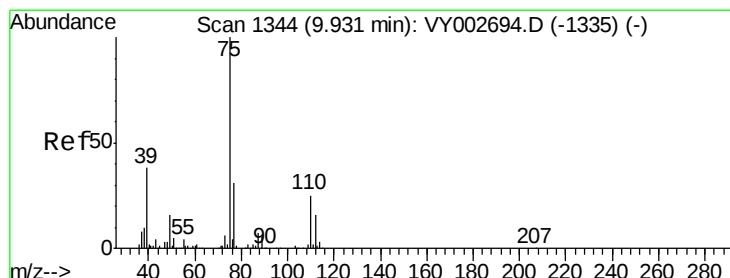
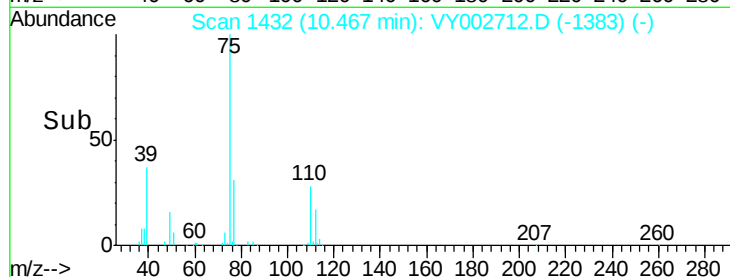
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.632 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

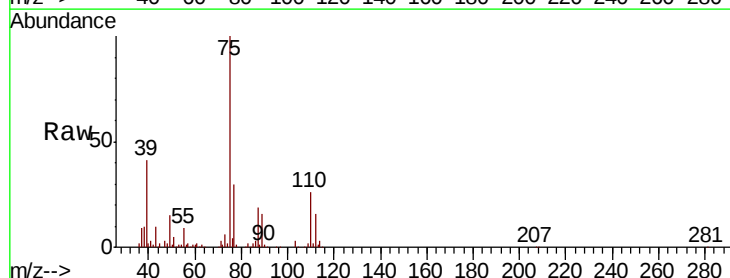
Tgt Ion: 75 Resp: 276929

Ion Ratio Lower Upper

75 100

77 30.3 24.8 37.2

39 41.3 30.7 46.1



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

200000

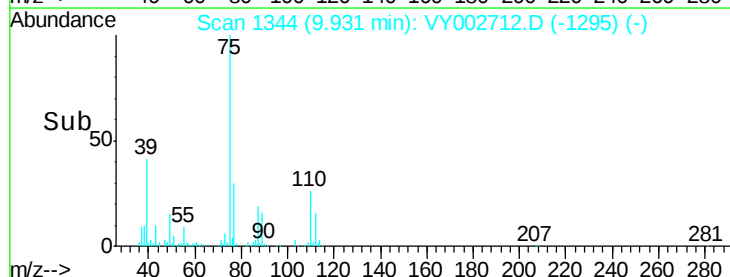
150000

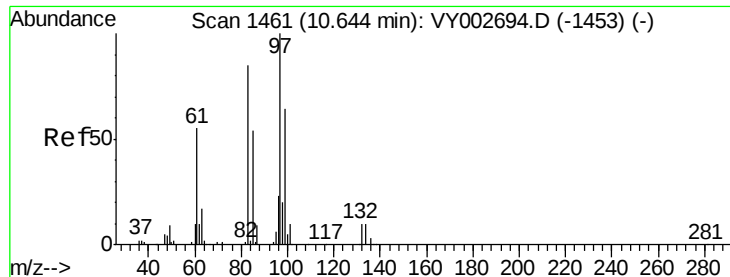
100000

50000

0

Time-->

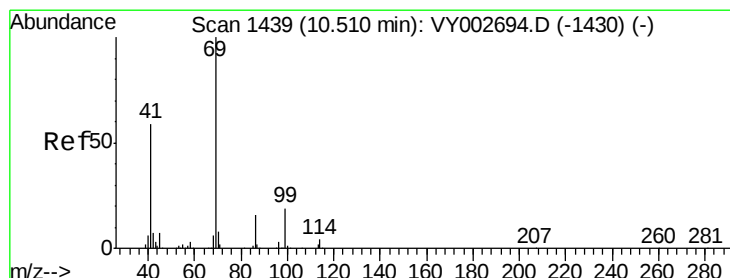
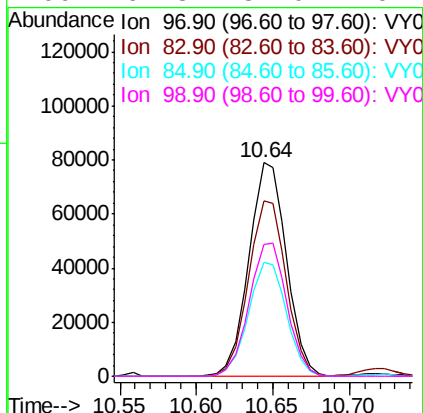
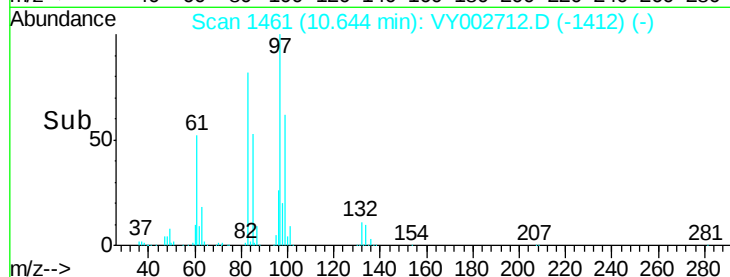
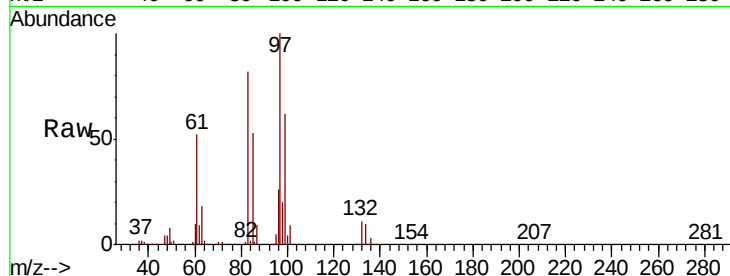




#55
 1,1,2-Trichloroethane
 Concen: 49.209 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY002712.D
 Acq: 19 May 2020 10:02

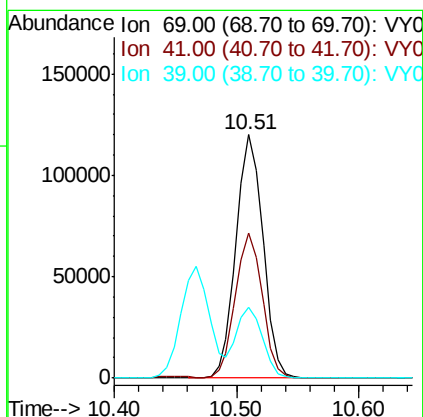
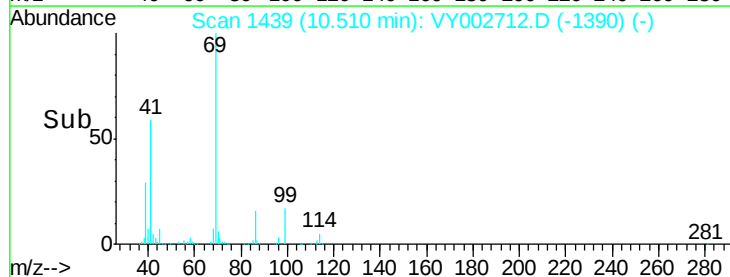
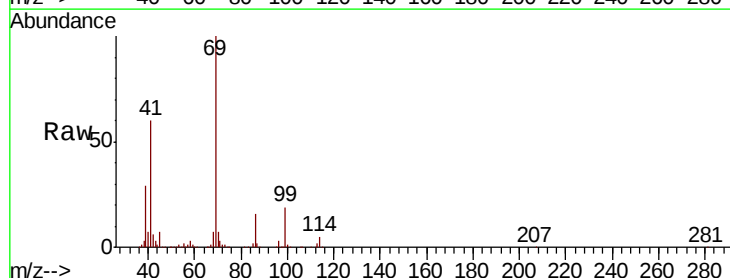
Instrument :
 MSVOA_Y
 ClientSampleId :

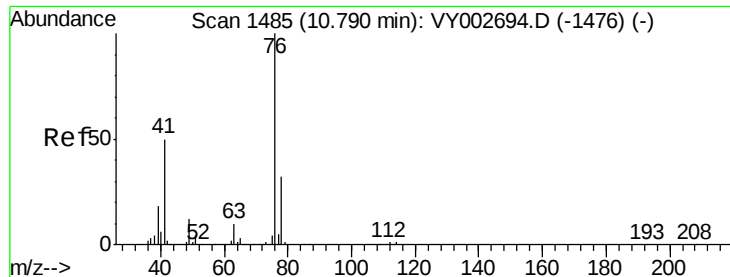
Tot Ion	97	Resp	135361
Ion	Ratio	Lower	Upper
97	100		
83	81.8	68.1	102.1
85	53.2	43.1	64.7
99	61.8	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 50.306 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY002712.D
 Acq: 19 May 2020 10:02

Tgt Ion	69	Resp	184221
Ion	Ratio	Lower	Upper
69	100		
41	59.2	48.0	72.0
39	27.9	22.1	33.1





#57

1,3-Dichloropropane

Concen: 49.023 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

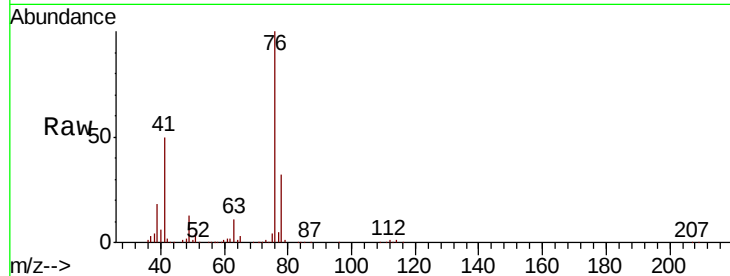
ClientSampleId :

Tot Ion: 76 Resp: 225975

Ion Ratio Lower Upper

76 100

78 32.4 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.79

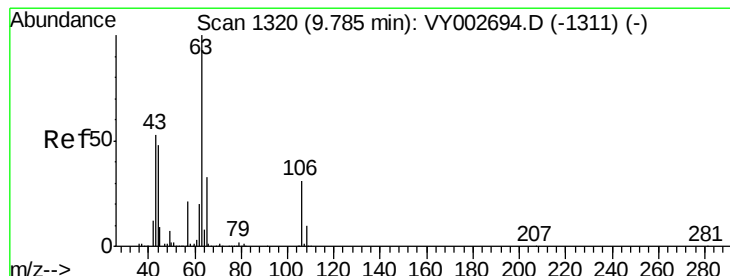
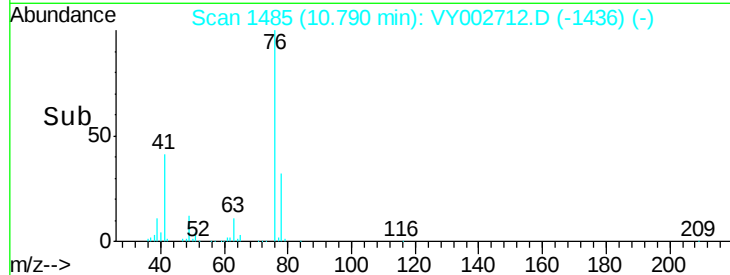
150000

100000

50000

0

Time--> 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 253.555 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY002712.D

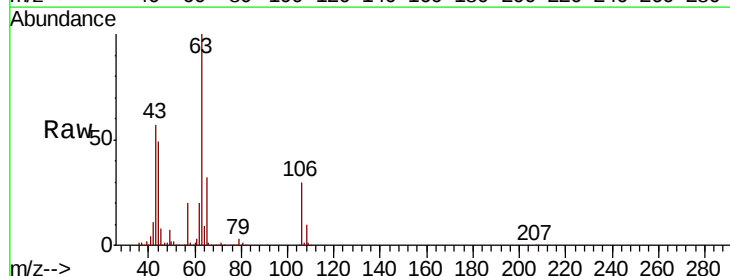
Acq: 19 May 2020 10:02

Tgt Ion: 63 Resp: 458384

Ion Ratio Lower Upper

63 100

106 31.2 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.78

300000

250000

200000

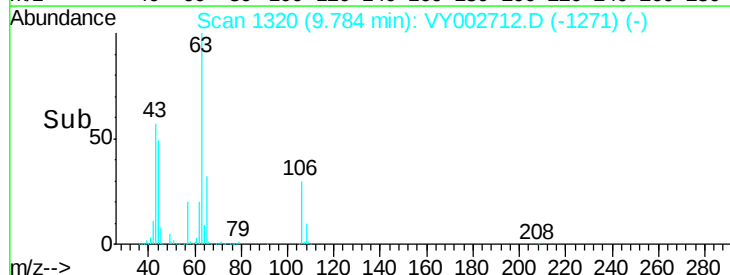
150000

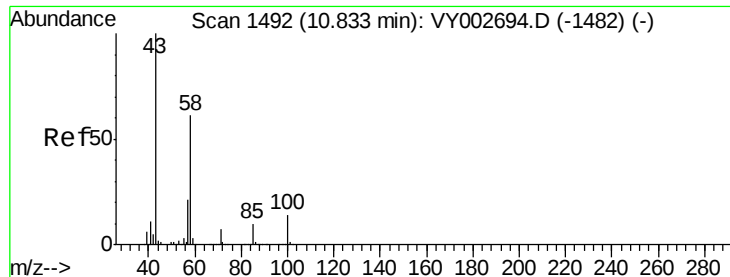
100000

50000

0

Time--> 9.70 9.80 9.90

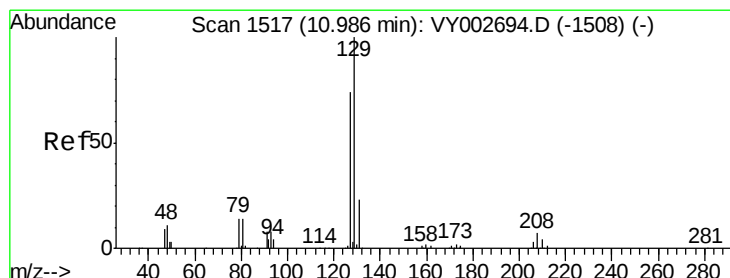
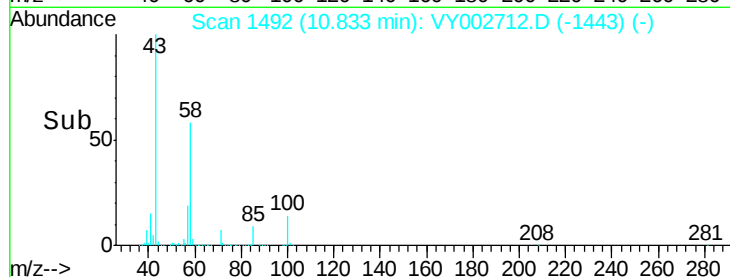
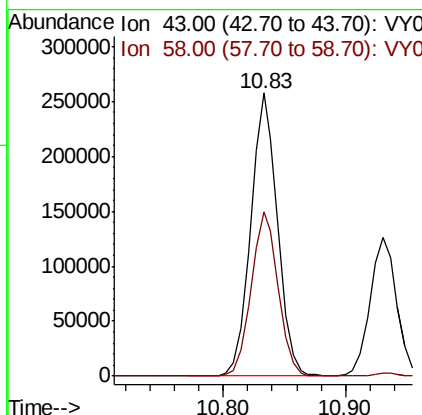
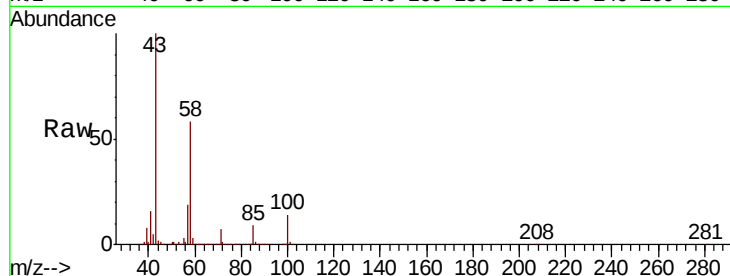




#59
2-Hexanone
Concen: 250.368 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

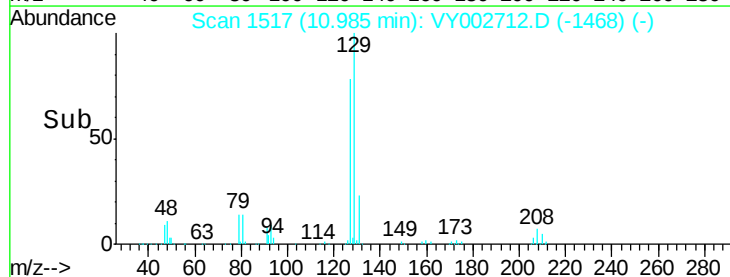
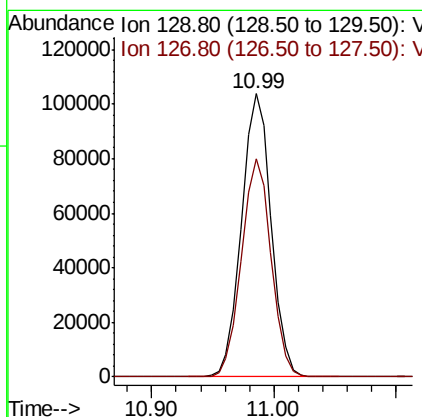
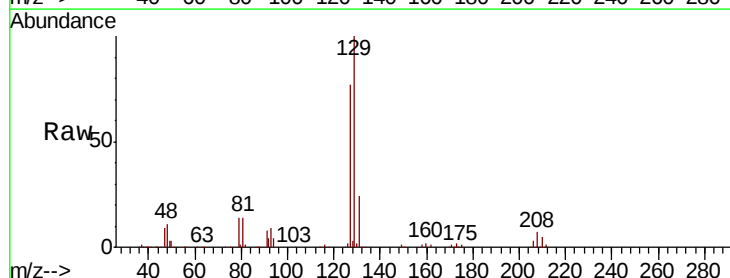
Instrument :
MSVOA_Y
ClientSampleId :

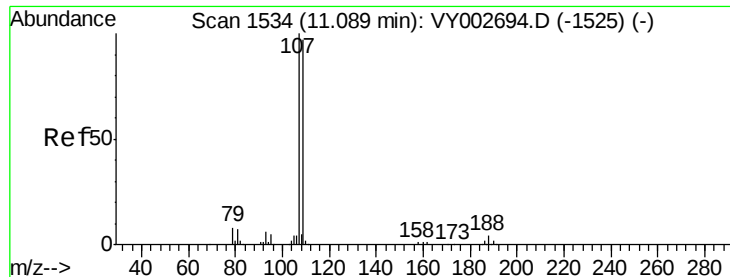
Tot Ion: 43 Resp: 390931
Ion Ratio Lower Upper
43 100
58 58.7 29.8 89.4



#60
Dibromochloromethane
Concen: 49.455 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Tgt Ion: 129 Resp: 173791
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3

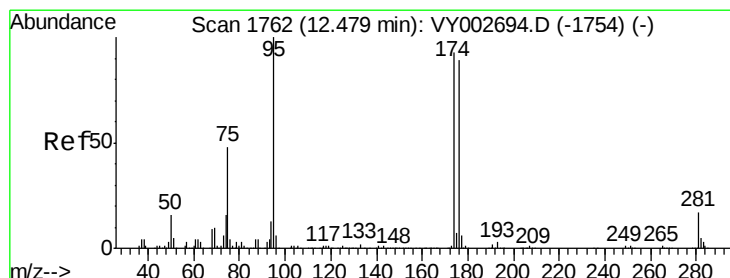
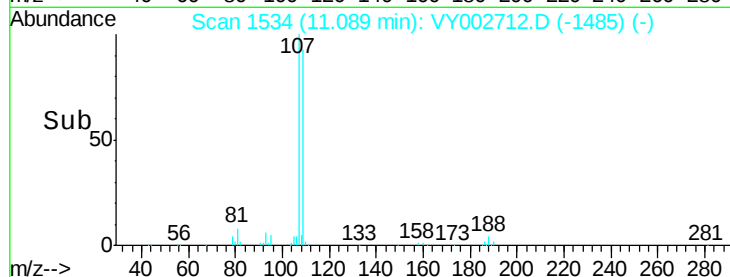
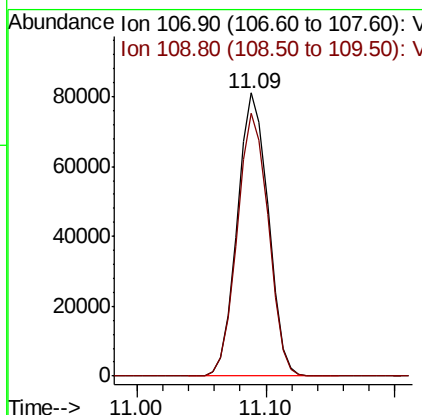
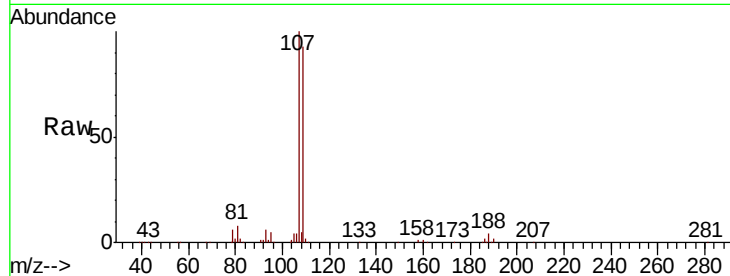




#61
 1,2-Dibromoethane
 Concen: 49.723 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY002712.D
 Acq: 19 May 2020 10:02

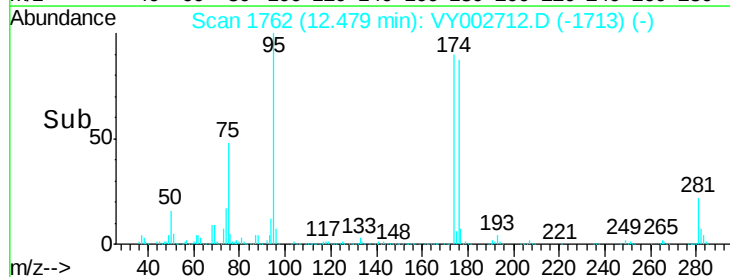
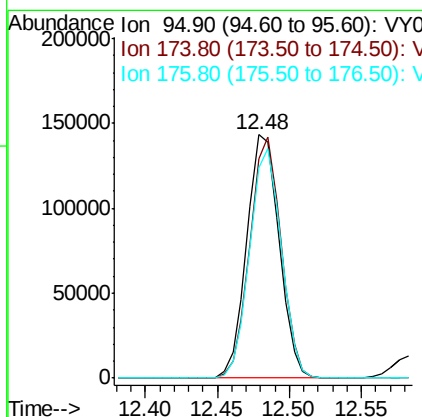
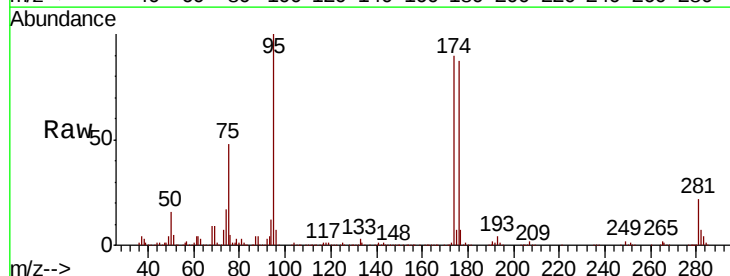
Instrument :
 MSVOA_Y
 ClientSampleId :

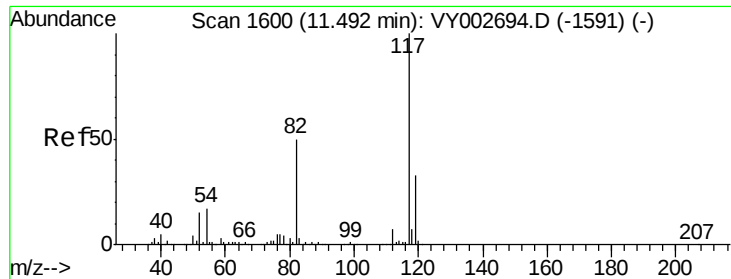
Tot Ion:107 Resp: 134756
 Ion Ratio Lower Upper
 107 100
 109 93.6 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 52.001 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY002712.D
 Acq: 19 May 2020 10:02

Tgt Ion: 95 Resp: 222774
 Ion Ratio Lower Upper
 95 100
 174 95.4 0.0 191.4
 176 92.2 0.0 186.0

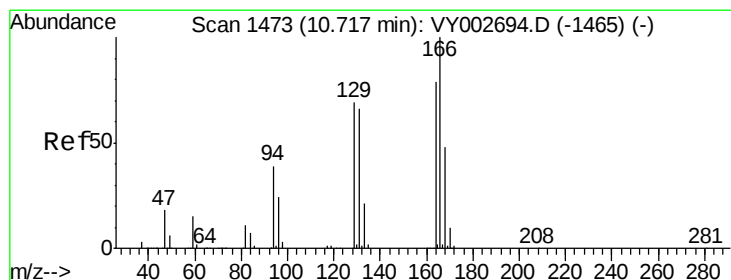
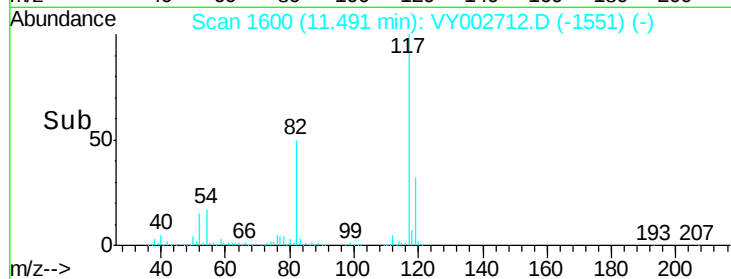
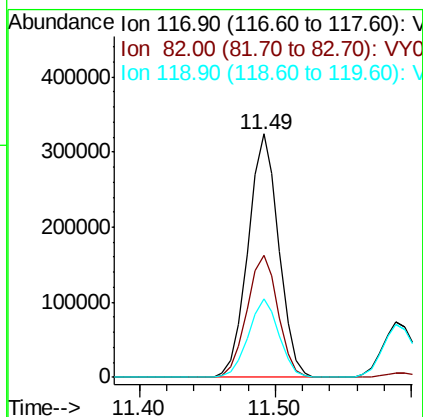
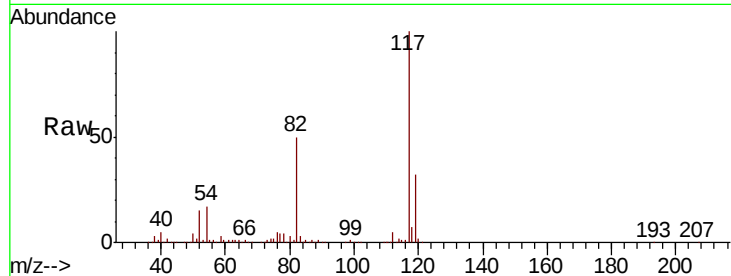




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

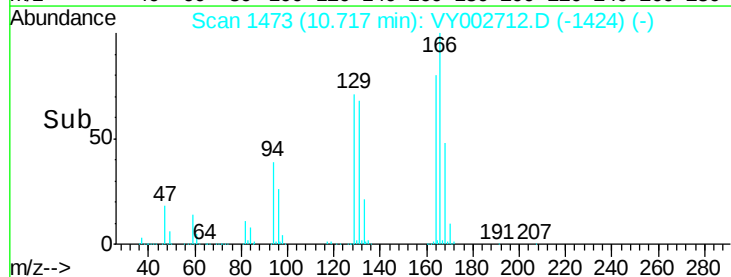
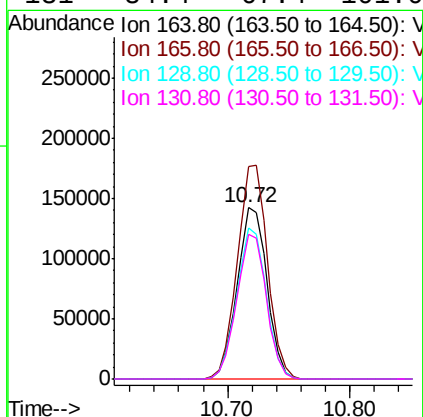
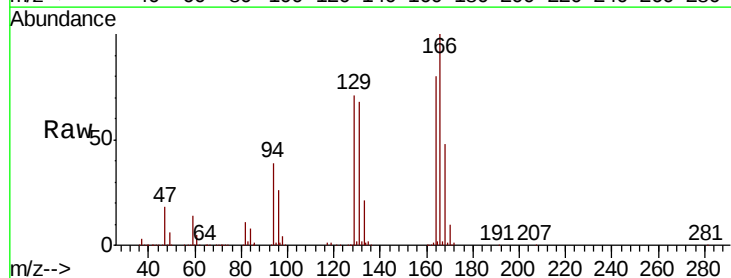
Instrument :
MSVOA_Y
ClientSampleId :

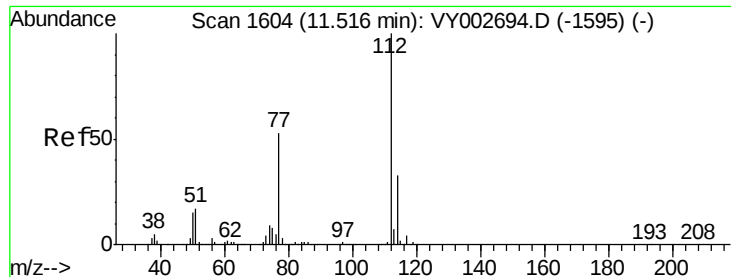
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	40.3	60.5
119	32.2	26.2	39.4



#64
Tetrachloroethene
Concen: 49.334 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	101.6	152.4
129	88.4	70.2	105.4
131	84.4	67.4	101.0

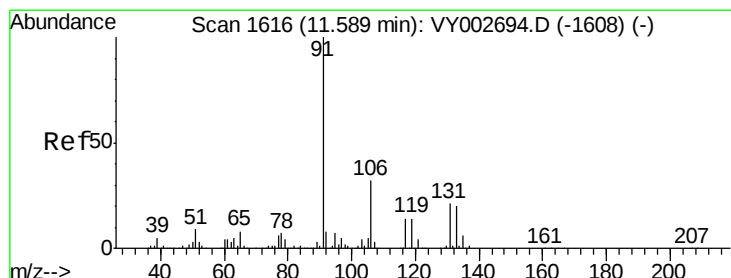
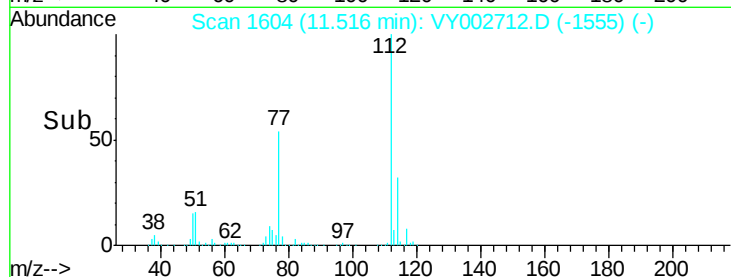
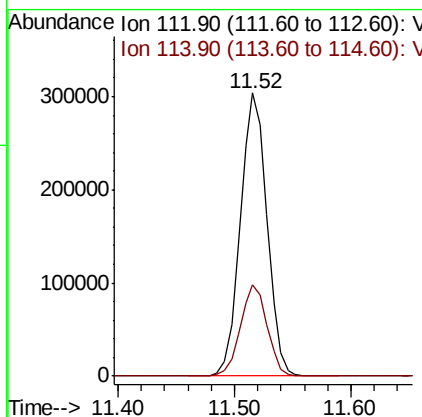
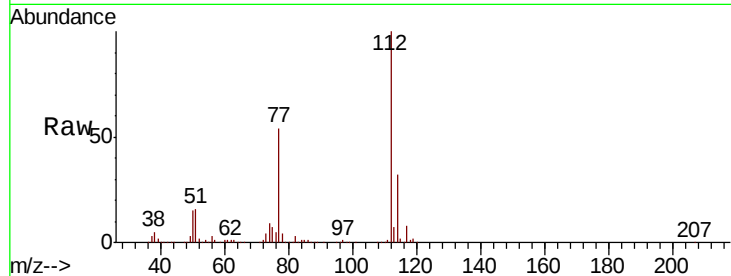




#65
Chlorobenzene
Concen: 48.988 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

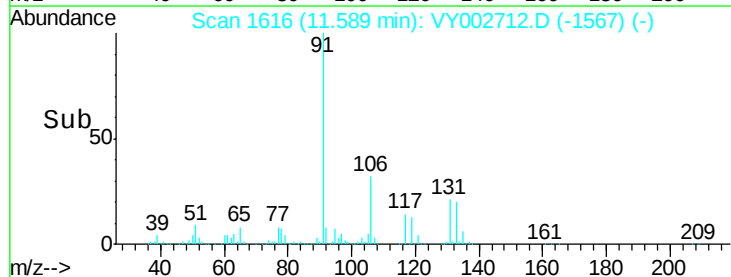
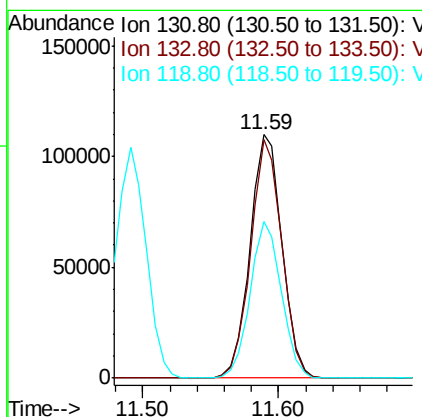
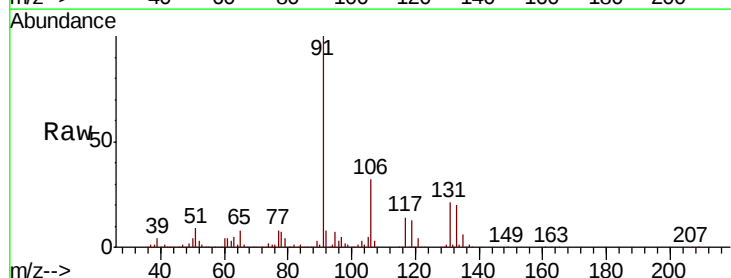
Instrument :
MSVOA_Y
ClientSampleId :

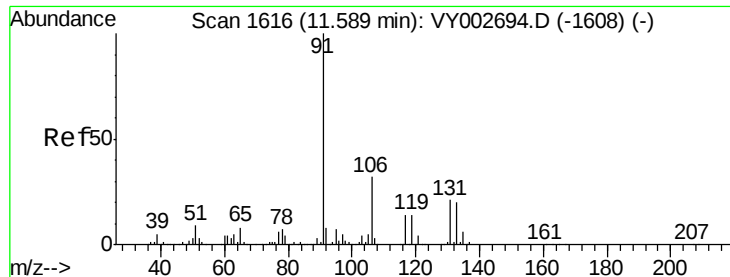
Tot Ion:112 Resp: 484815
Ion Ratio Lower Upper
112 100
114 32.1 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 49.224 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Tgt Ion:131 Resp: 180798
Ion Ratio Lower Upper
131 100
133 95.6 47.4 142.3
119 63.0 31.6 94.8





#67

Ethyl Benzene

Concen: 49.303 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

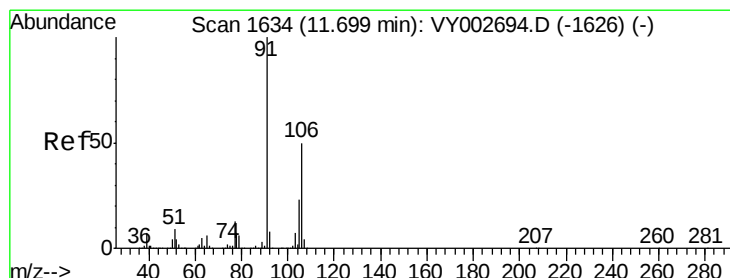
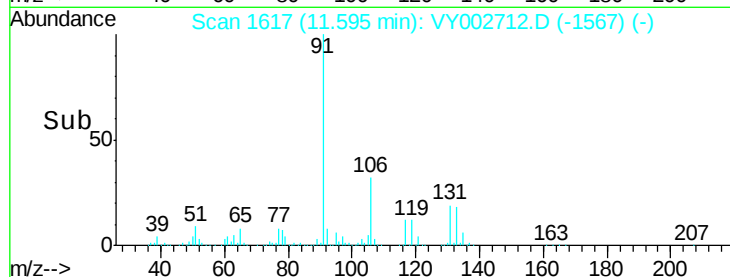
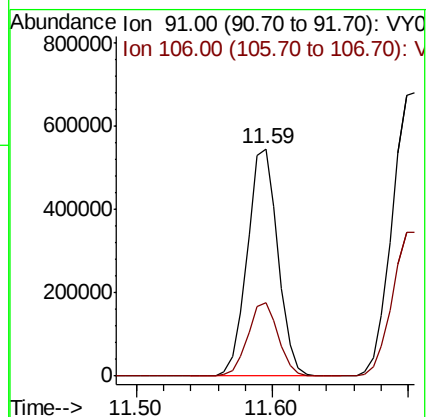
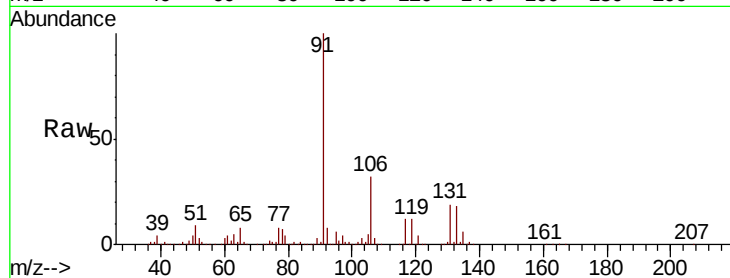
ClientSampleId :

Tot Ion: 91 Resp: 856725

Ion Ratio Lower Upper

91 100

106 32.1 26.0 39.0



#68

m/p-Xylenes

Concen: 97.916 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY002712.D

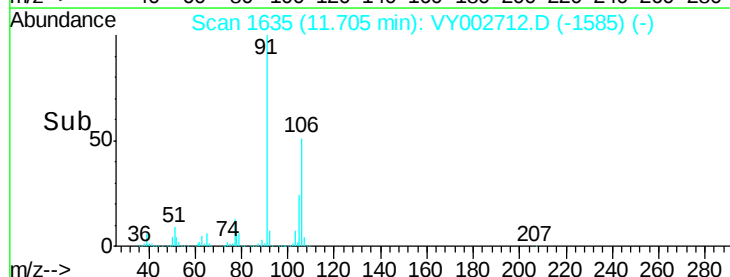
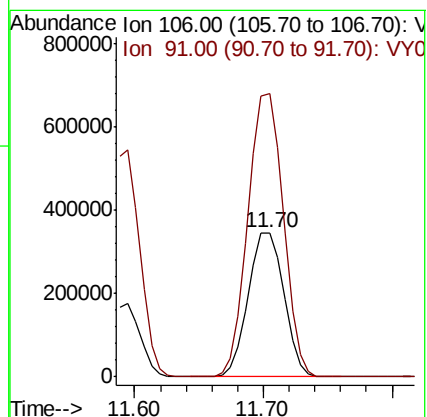
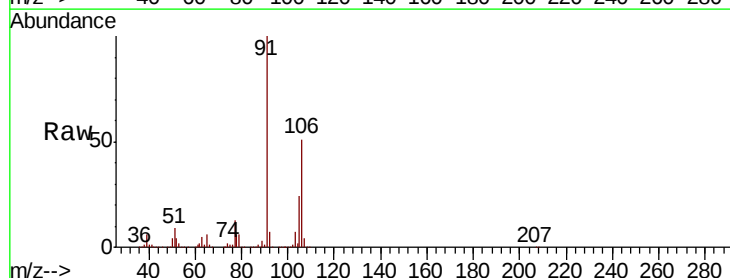
Acq: 19 May 2020 10:02

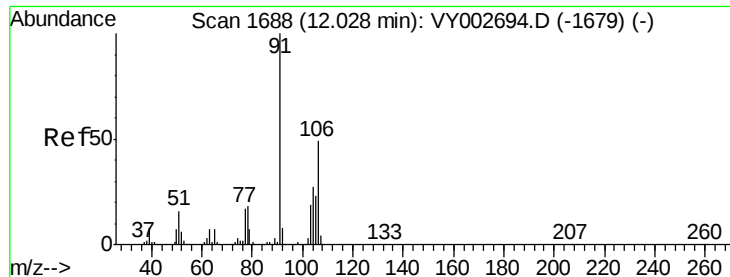
Tgt Ion: 106 Resp: 661951

Ion Ratio Lower Upper

106 100

91 194.9 156.2 234.4

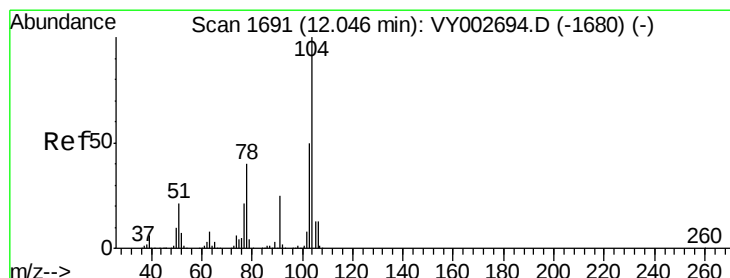
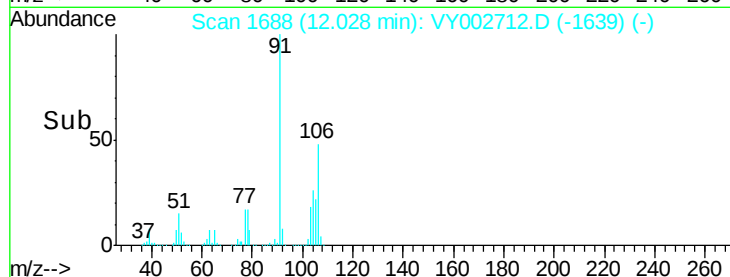
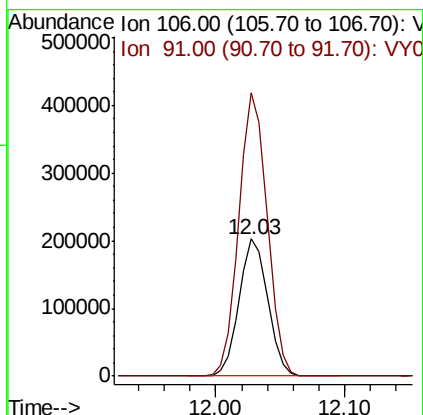
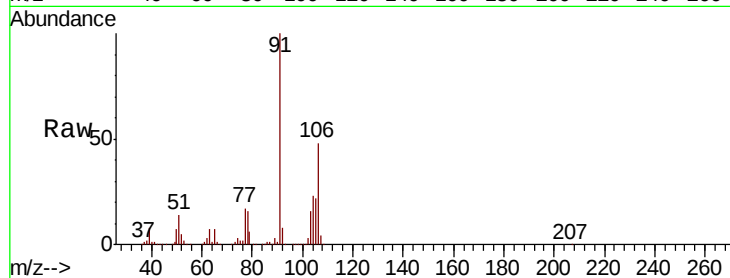




#69
o-Xylene
Concen: 49.182 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

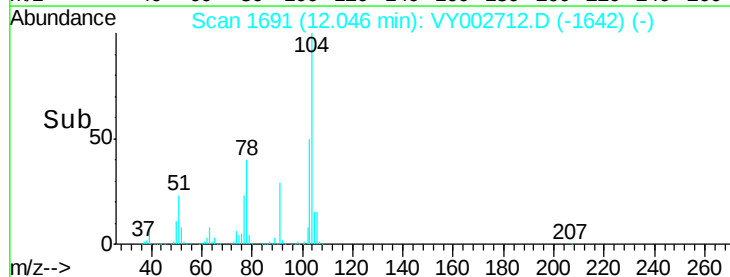
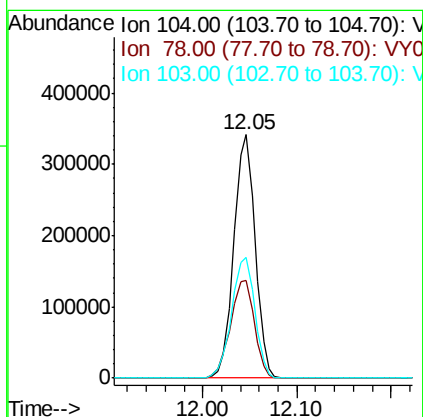
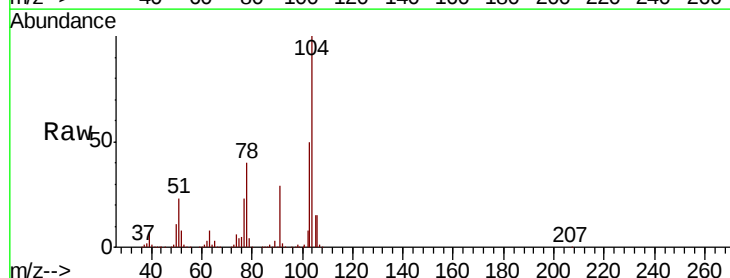
Instrument :
MSVOA_Y
ClientSampleId :

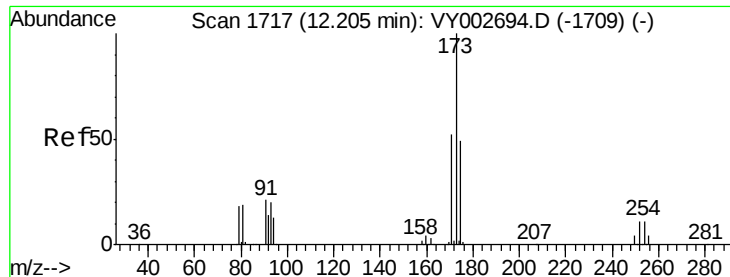
Tot Ion:106 Resp: 312067
Ion Ratio Lower Upper
106 100
91 204.6 103.5 310.3



#70
Styrene
Concen: 49.163 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Tgt Ion:104 Resp: 535585
Ion Ratio Lower Upper
104 100
78 45.4 36.6 54.8
103 54.5 44.1 66.1





#71

Bromoform

Concen: 49.637 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

ClientSampleId :

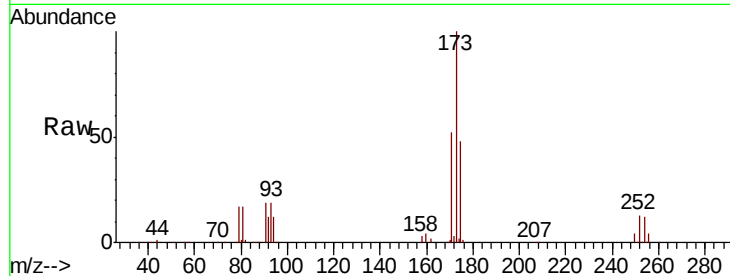
Tot Ion:173 Resp: 112698

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.4

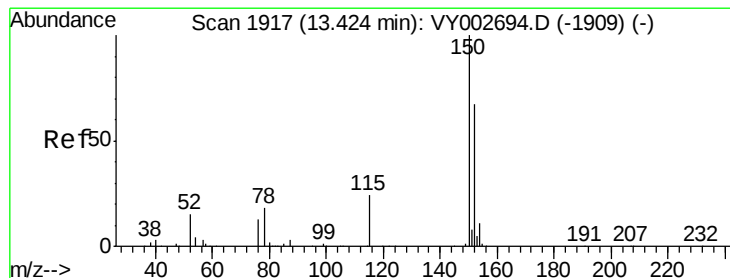
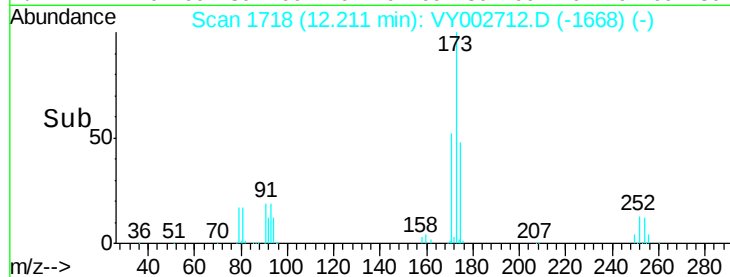
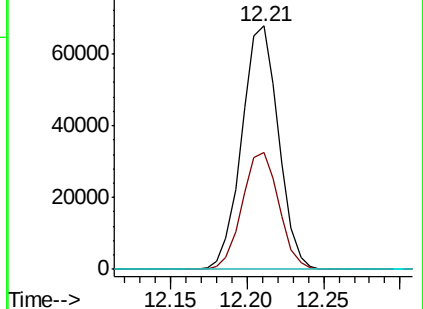
254 0.2 0.1 0.1#



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: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

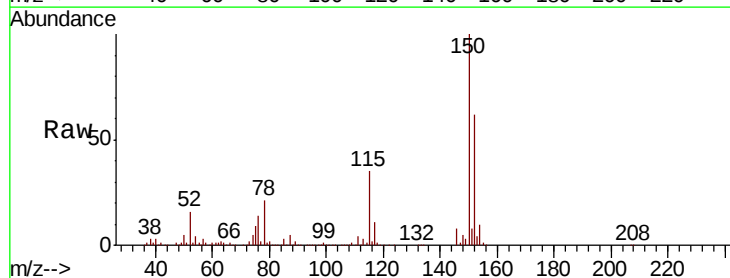
Tgt Ion:152 Resp: 263375

Ion Ratio Lower Upper

152 100

115 54.3 27.2 81.6

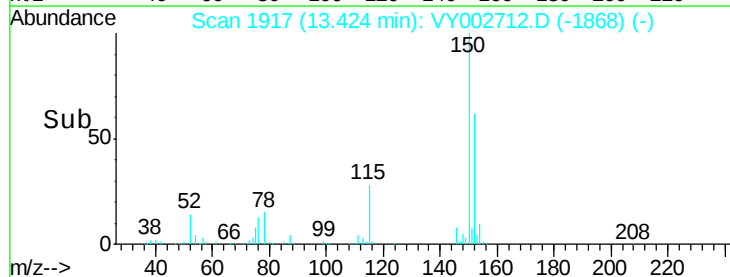
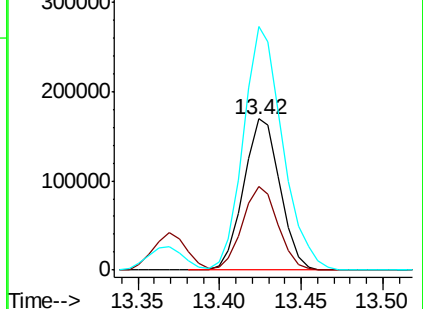
150 173.1 0.0 343.8

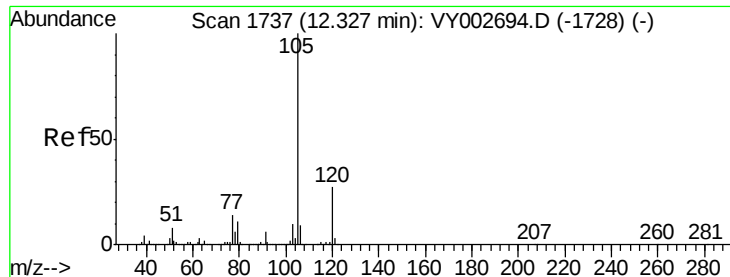


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.612 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

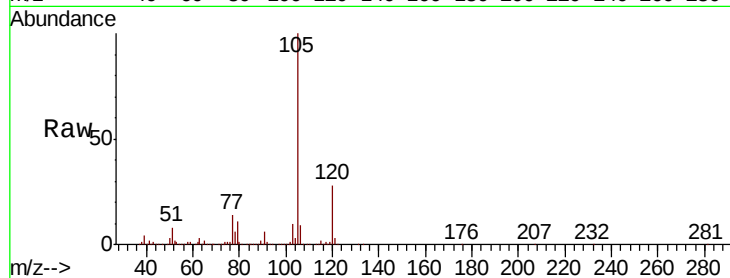
ClientSampleId :

Tot Ion:105 Resp: 853801

Ion Ratio Lower Upper

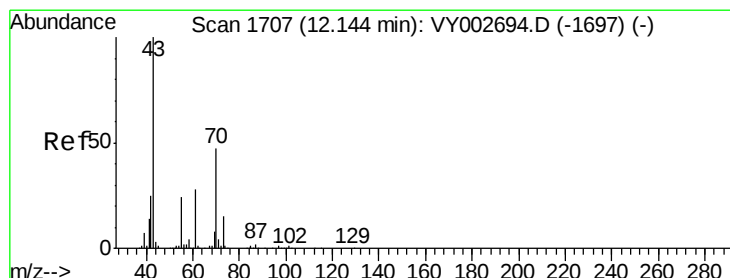
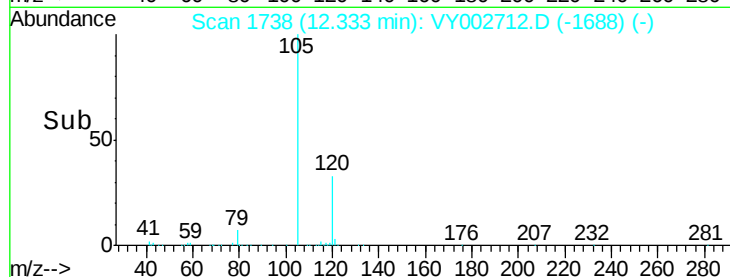
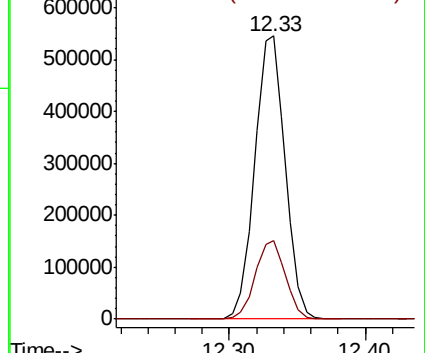
105 100

120 27.6 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.552 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Tgt Ion: 43 Resp: 204146

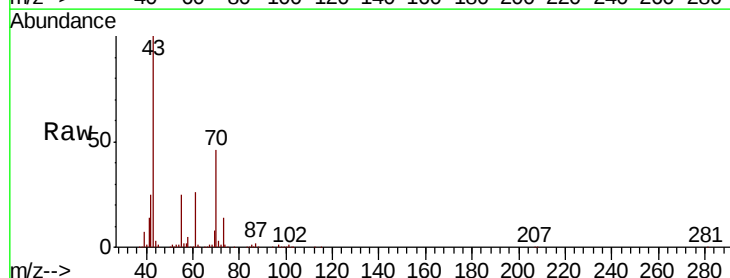
Ion Ratio Lower Upper

43 100

70 47.5 37.7 56.5

55 24.7 19.4 29.0

61 26.9 21.3 31.9

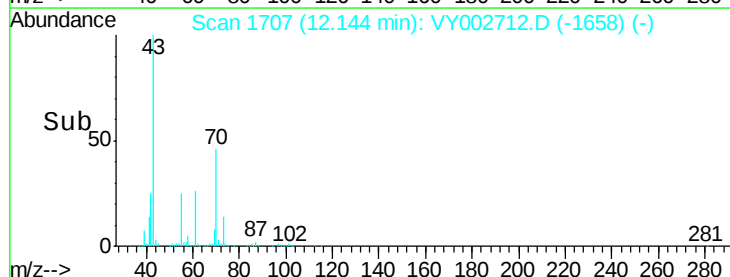
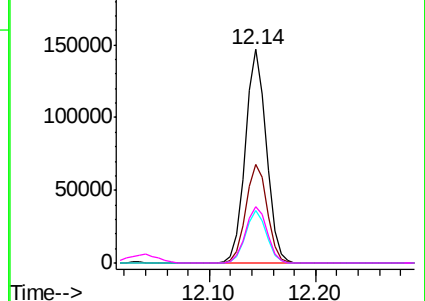


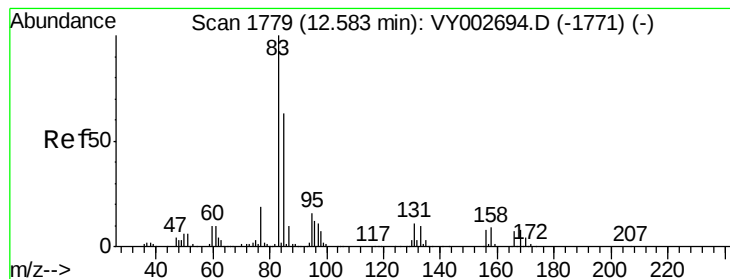
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.717 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

ClientSampleId :

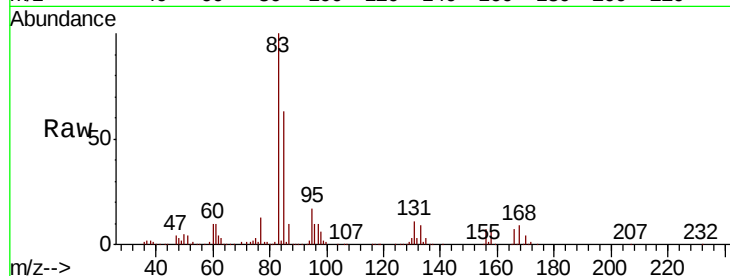
Tot Ion: 83 Resp: 125993

Ion Ratio Lower Upper

83 100

131 11.5 5.8 17.3

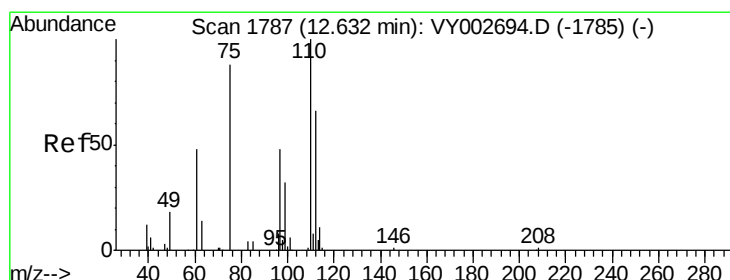
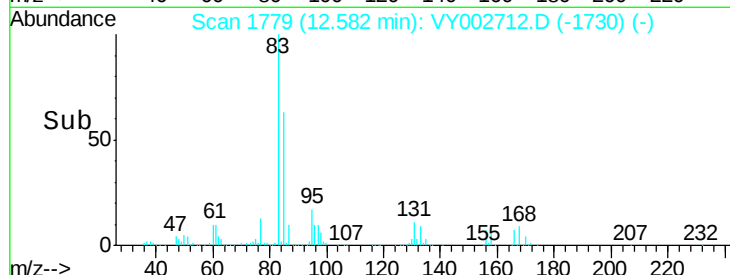
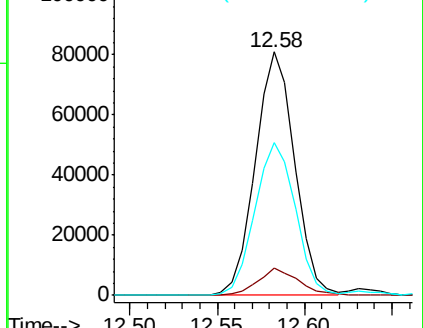
85 64.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 93.642 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY002712.D

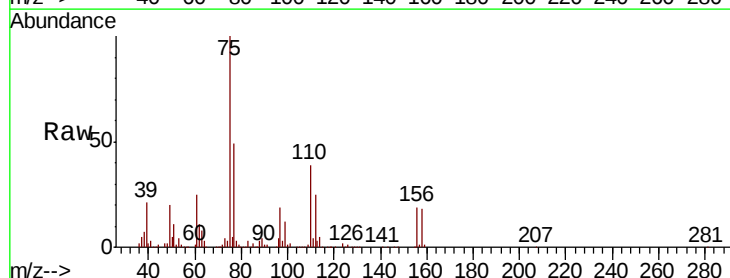
Acq: 19 May 2020 10:02

Tgt Ion: 75 Resp: 202598

Ion Ratio Lower Upper

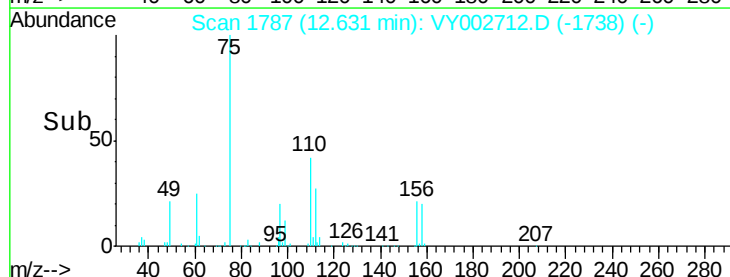
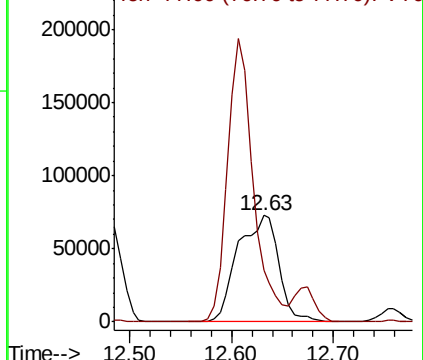
75 100

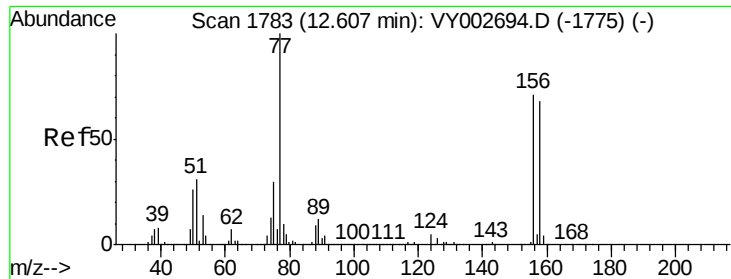
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 49.476 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

ClientSampleId :

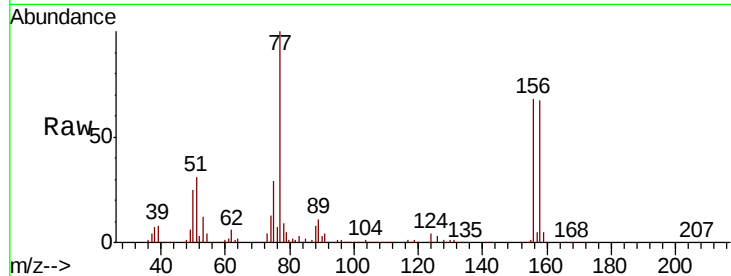
Tot Ion:156 Resp: 212873

Ion Ratio Lower Upper

156 100

77 160.5 80.8 242.3

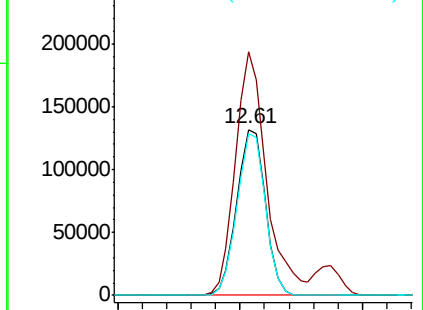
158 96.3 49.0 147.0



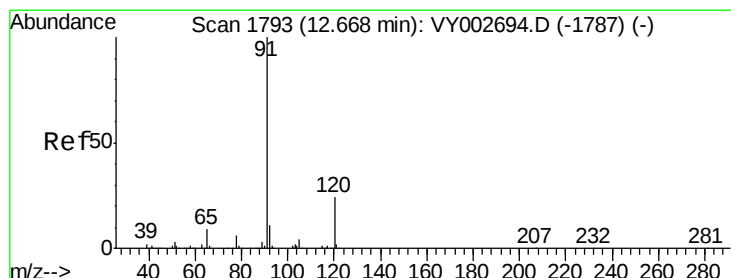
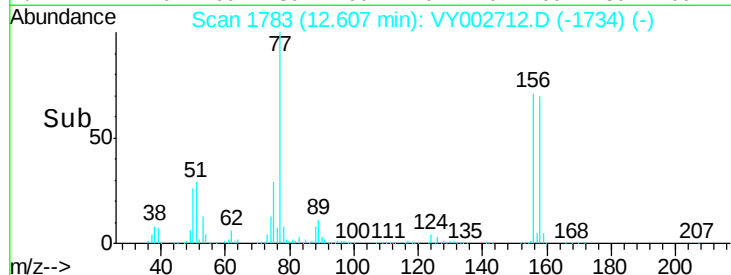
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



Time--> 12.50 12.60 12.70



#78

n-propylbenzene

Concen: 49.716 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VY002712.D

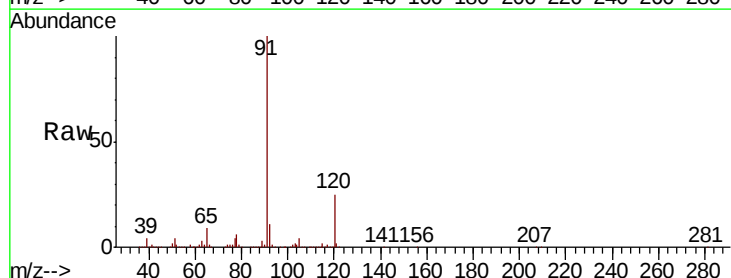
Acq: 19 May 2020 10:02

Tgt Ion: 91 Resp: 995299

Ion Ratio Lower Upper

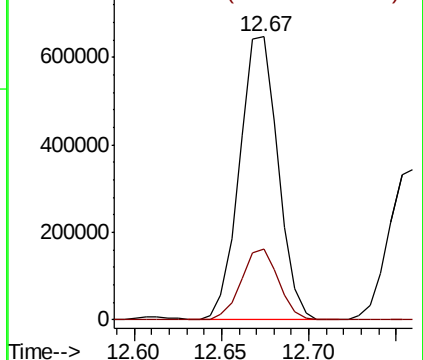
91 100

120 24.3 12.3 36.8

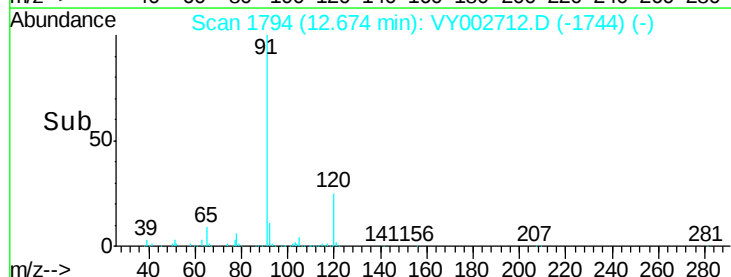


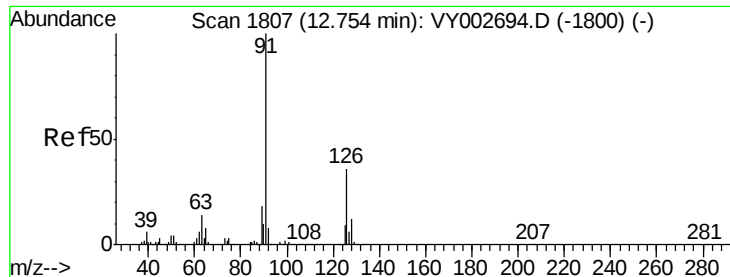
Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V



Time--> 12.60 12.65 12.70





#79

2-Chlorotoluene

Concen: 48.817 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

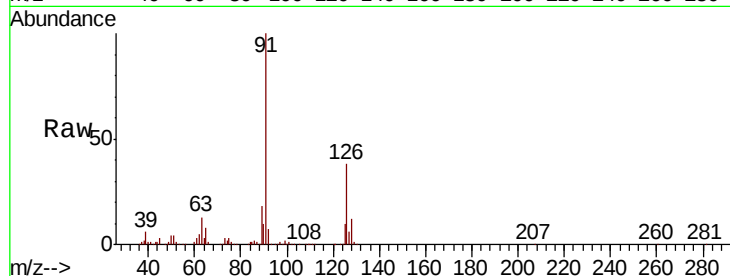
ClientSampled :

Tot Ion: 91 Resp: 542050

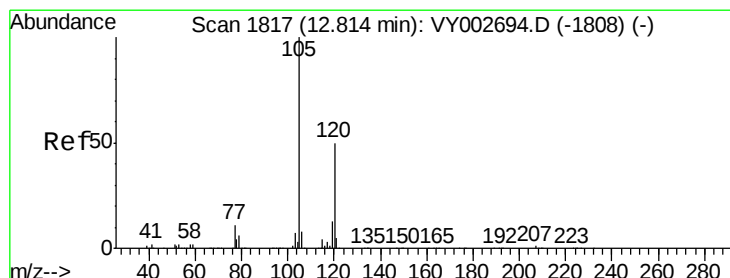
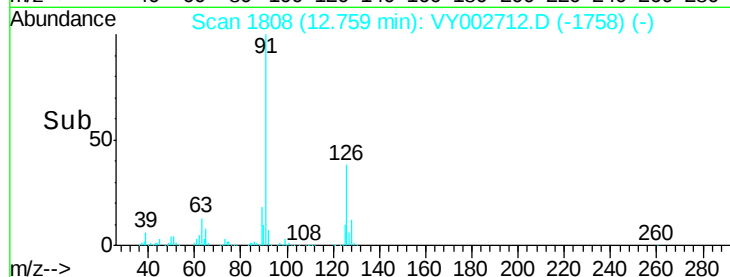
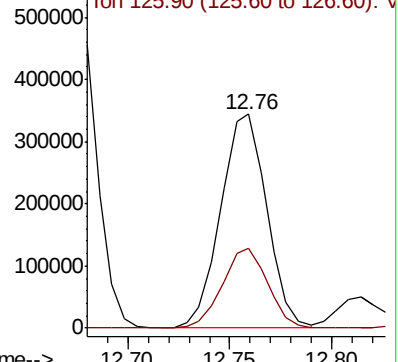
Ion Ratio Lower Upper

91 100

126 36.8 18.4 55.0



Abundance Ion 91.00 (90.70 to 91.70): VY002712.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.246 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY002712.D

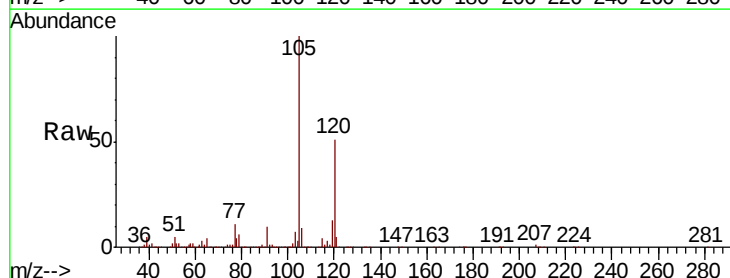
Acq: 19 May 2020 10:02

Tgt Ion: 105 Resp: 712109

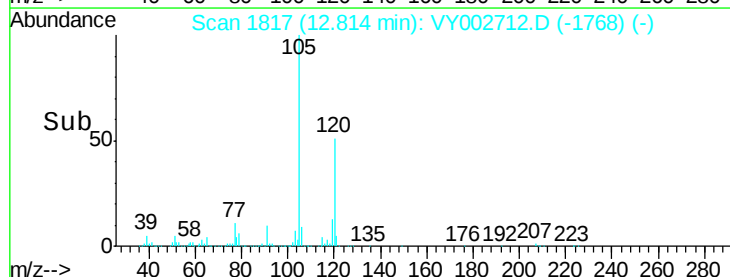
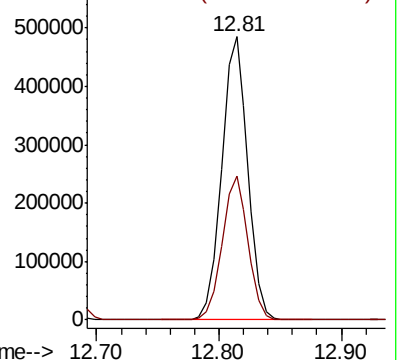
Ion Ratio Lower Upper

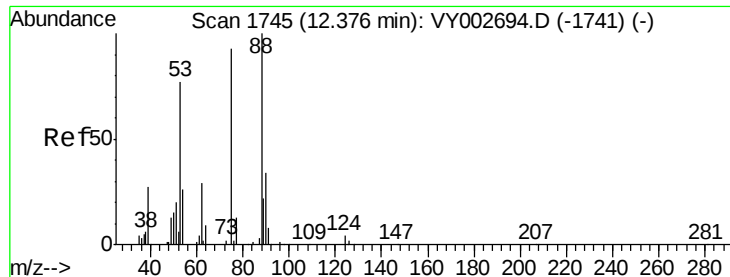
105 100

120 50.6 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY002712.D (-1768) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.942 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

ClientSampleId :

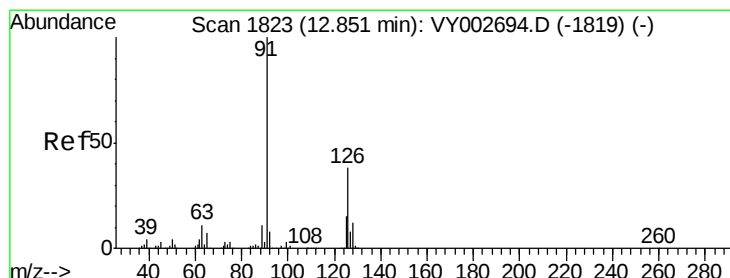
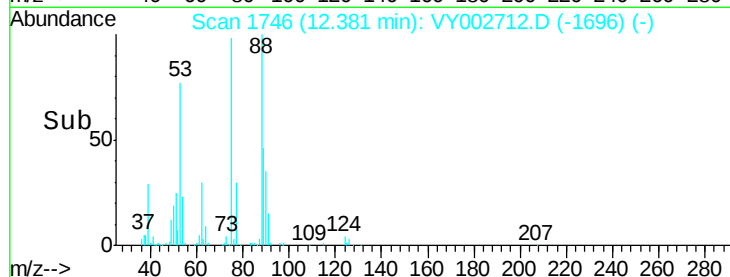
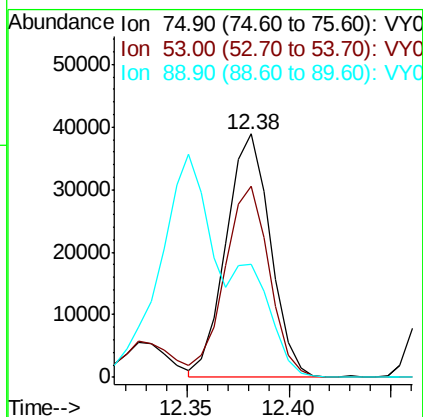
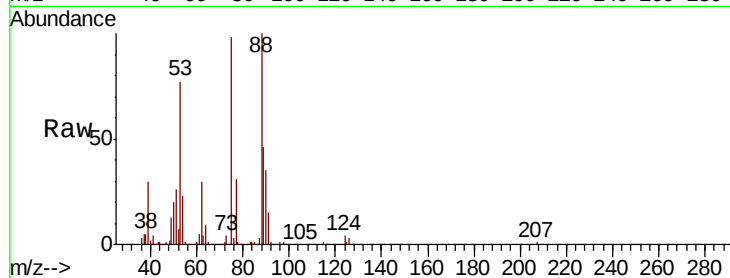
Tot Ion: 75 Resp: 58277

Ion Ratio Lower Upper

75 100

53 79.6 65.0 97.6

89 0.0 66.6 99.8#



#82

4-Chlorotoluene

Concen: 49.018 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VY002712.D

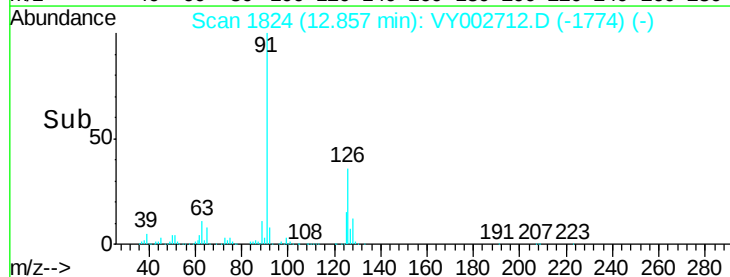
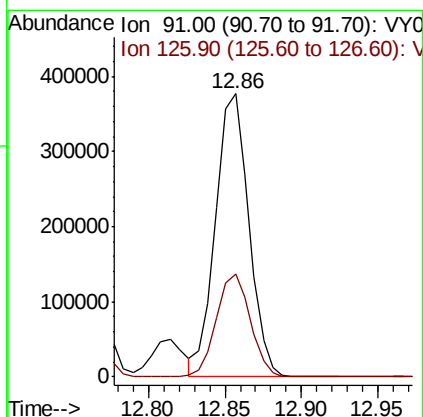
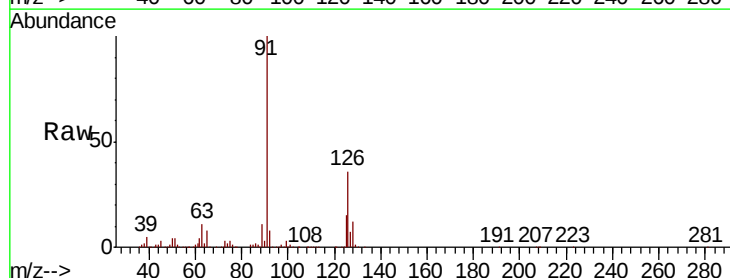
Acq: 19 May 2020 10:02

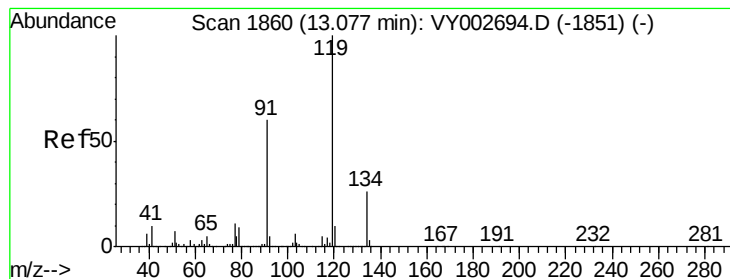
Tgt Ion: 91 Resp: 570131

Ion Ratio Lower Upper

91 100

126 37.1 18.6 56.0





#83

tert-Butylbenzene

Concen: 49.301 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

ClientSampleId :

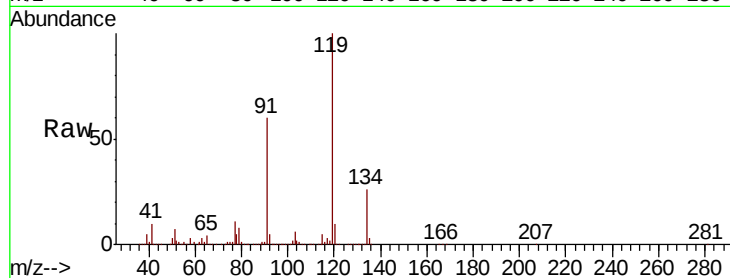
Tot Ion:119 Resp: 630928

Ion Ratio Lower Upper

119 100

91 59.6 30.4 91.2

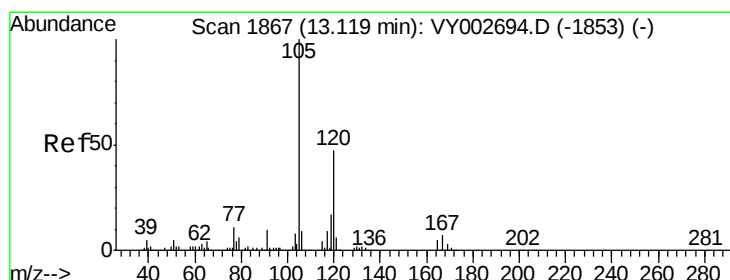
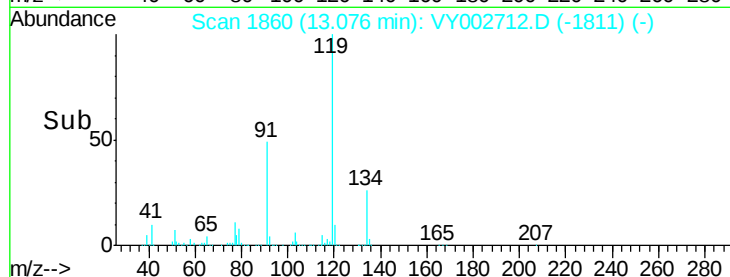
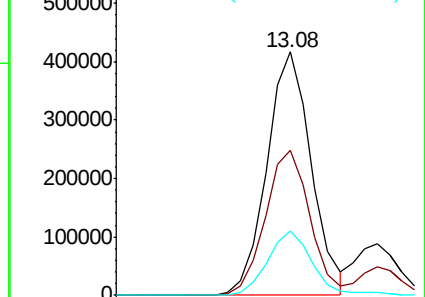
134 26.8 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.142 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY002712.D

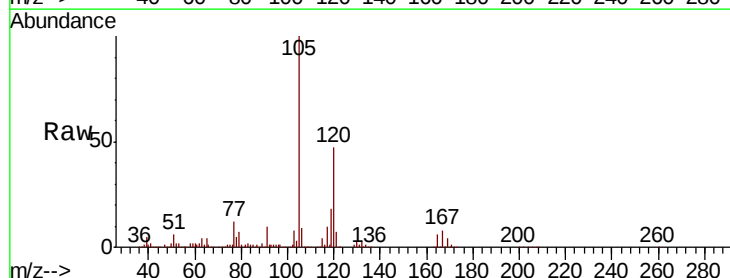
Acq: 19 May 2020 10:02

Tgt Ion:105 Resp: 710173

Ion Ratio Lower Upper

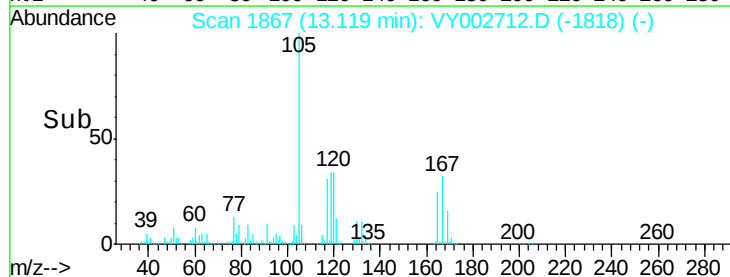
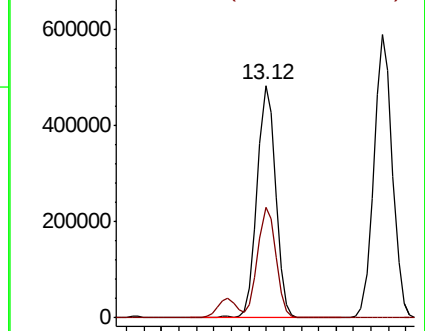
105 100

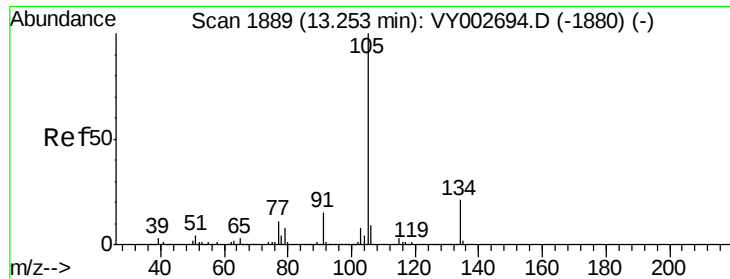
120 46.9 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.377 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

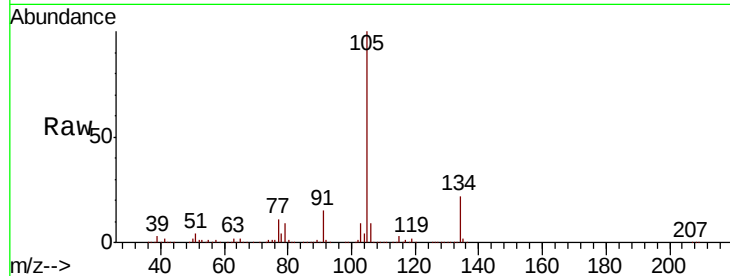
ClientSampleId :

Tot Ion:105 Resp: 871974

Ion Ratio Lower Upper

105 100

134 21.6 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

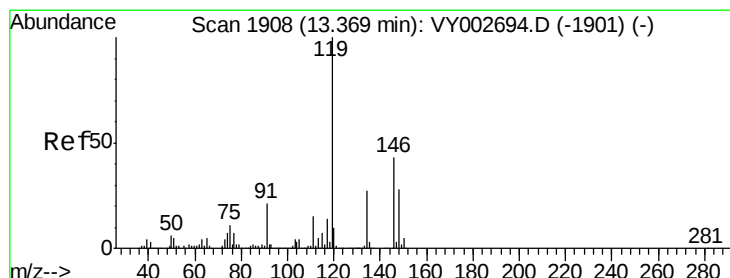
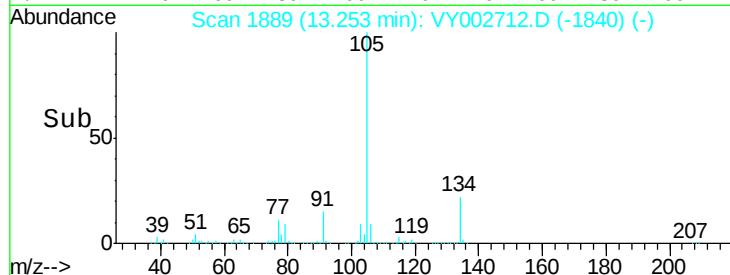
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.257 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

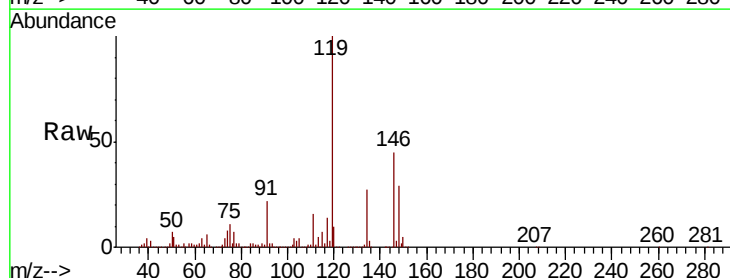
Tgt Ion:119 Resp: 814204

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.5

91 21.6 10.8 32.3



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

800000

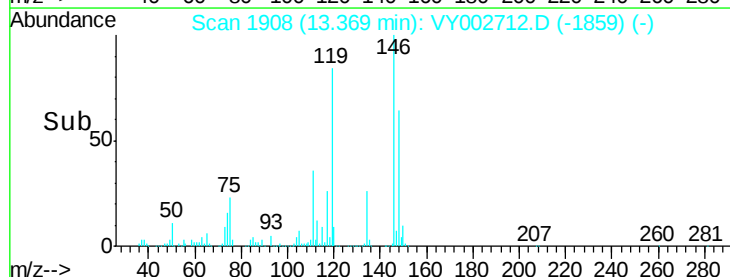
600000

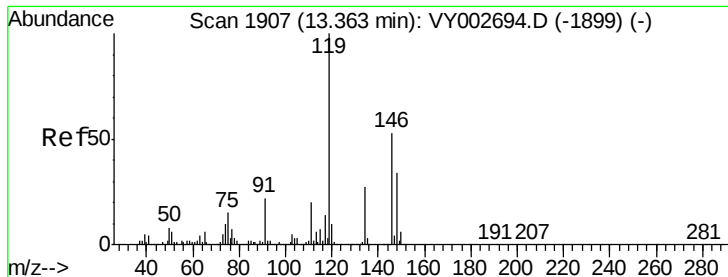
400000

200000

0

Time-->

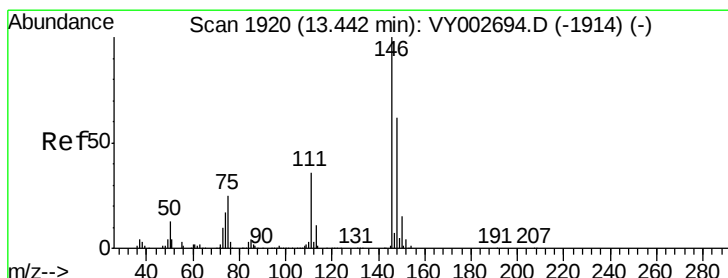
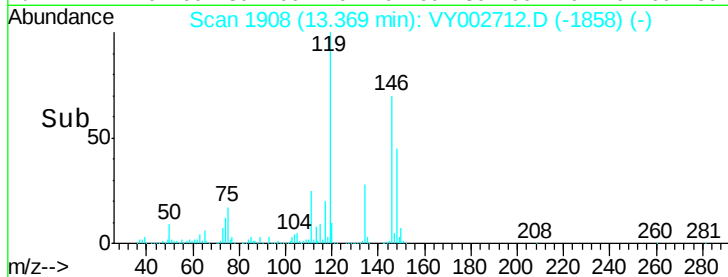
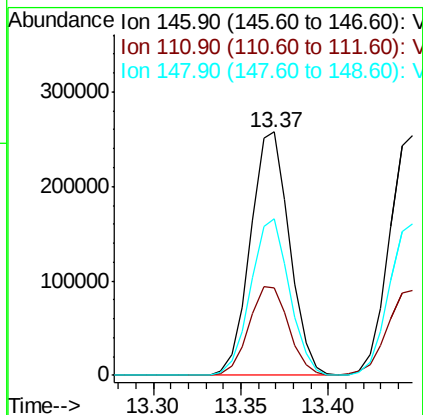
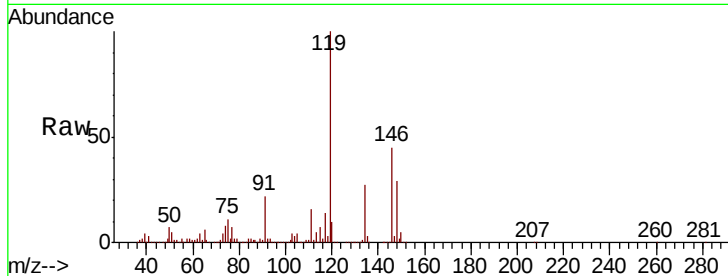




#87
 1,3-Dichlorobenzene
 Concen: 48.549 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY002712.D
 Acq: 19 May 2020 10:02

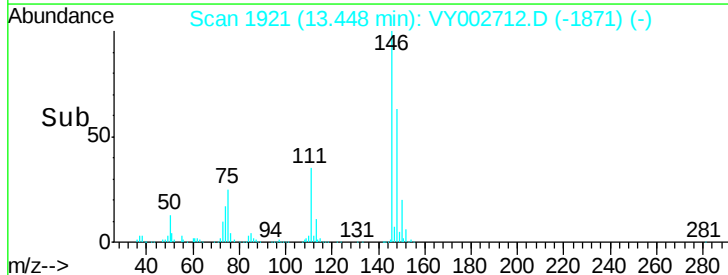
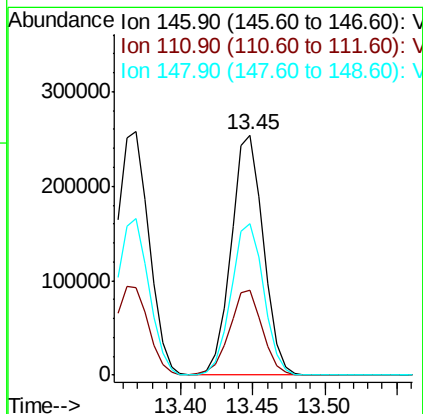
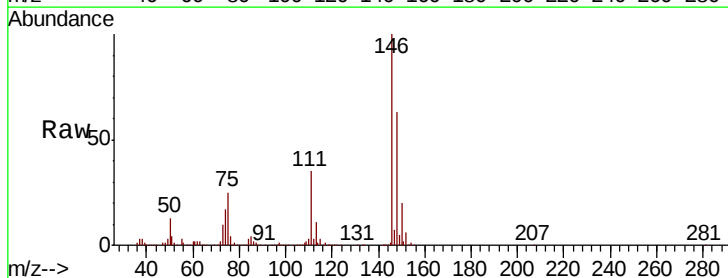
Instrument :
 MSVOA_Y
 ClientSampleId :

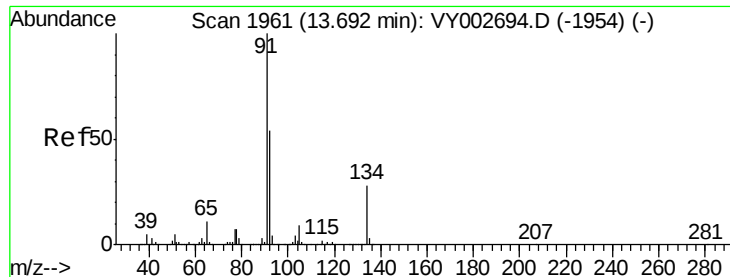
Tot Ion:146 Resp: 402739
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.5 55.5
 148 63.8 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 47.972 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY002712.D
 Acq: 19 May 2020 10:02

Tgt Ion:146 Resp: 396197
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.1 54.4
 148 64.1 31.8 95.3

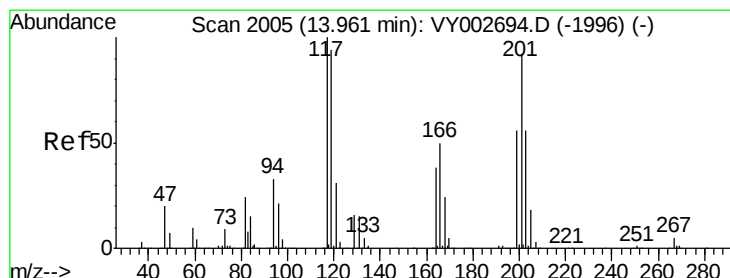
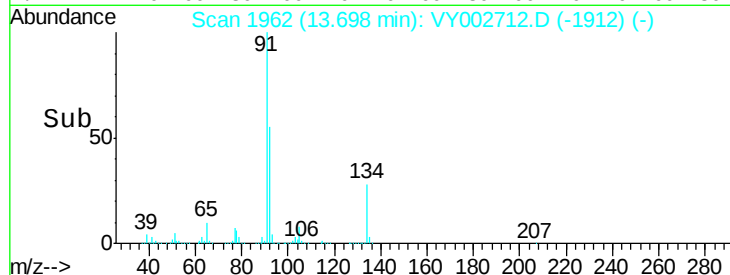
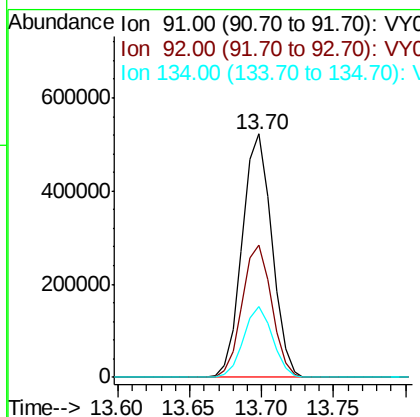
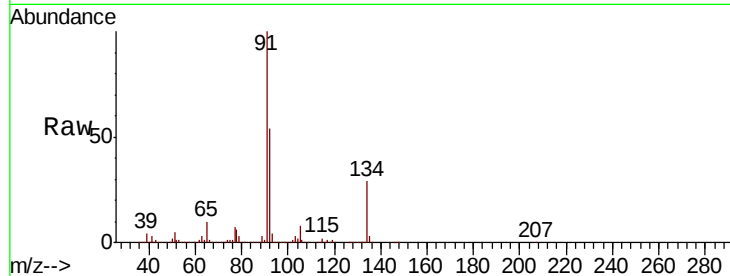




#89
n-Butylbenzene
Concen: 49.291 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

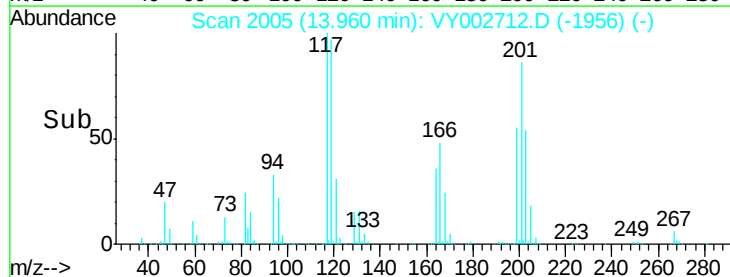
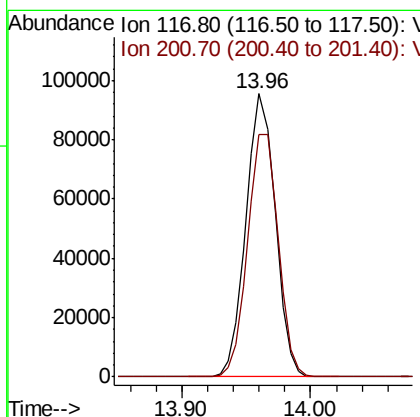
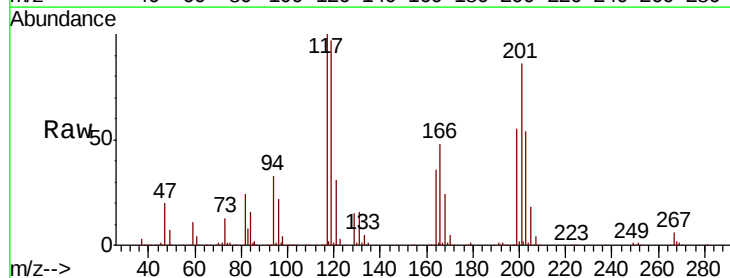
Instrument :
MSVOA_Y
ClientSampleId :

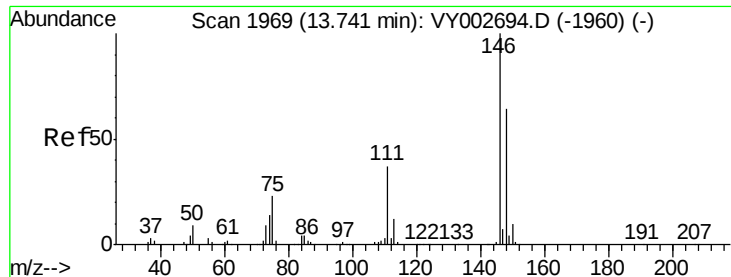
Tot Ion: 91 Resp: 748223
Ion Ratio Lower Upper
91 100
92 54.2 26.8 80.4
134 28.5 14.5 43.5



#90
Hexachloroethane
Concen: 49.087 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Tgt Ion: 117 Resp: 150287
Ion Ratio Lower Upper
117 100
201 89.1 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 47.992 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

Instrument :

MSVOA_Y

ClientSampleId :

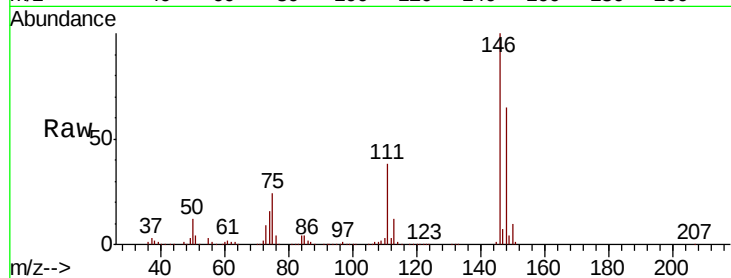
Tot Ion:146 Resp: 357052

Ion Ratio Lower Upper

146 100

111 38.4 19.1 57.1

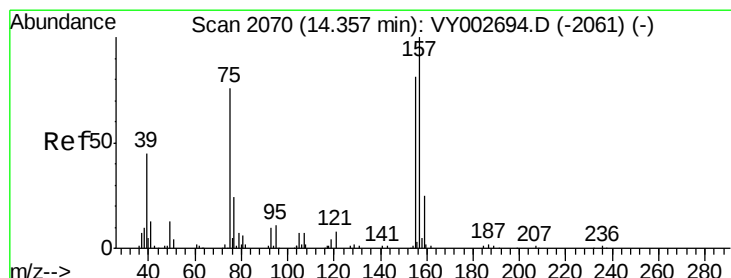
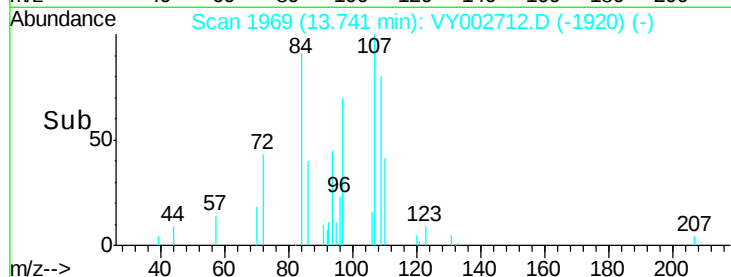
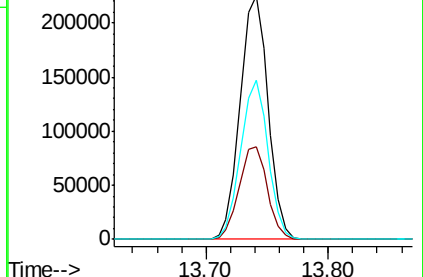
148 64.0 31.9 95.7



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: 48.239 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY002712.D

Acq: 19 May 2020 10:02

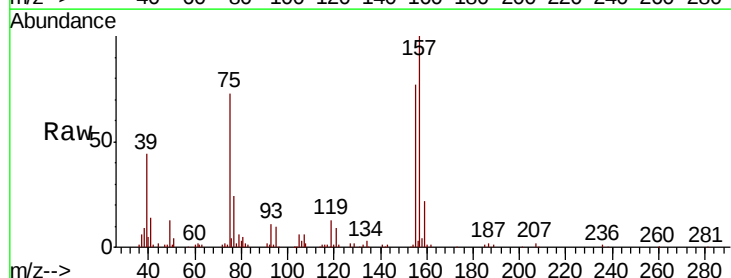
Tgt Ion: 75 Resp: 23443

Ion Ratio Lower Upper

75 100

155 103.9 53.5 160.7

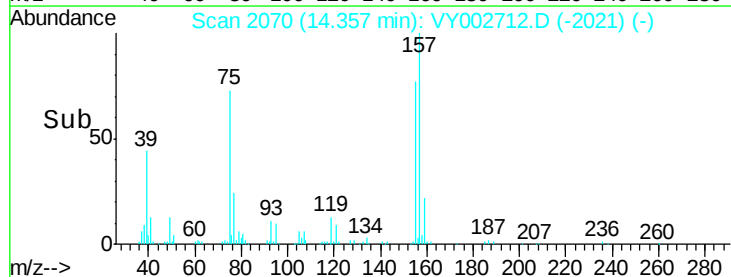
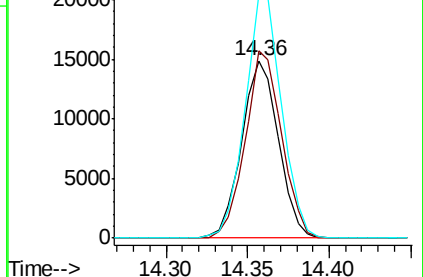
157 136.3 67.9 203.7

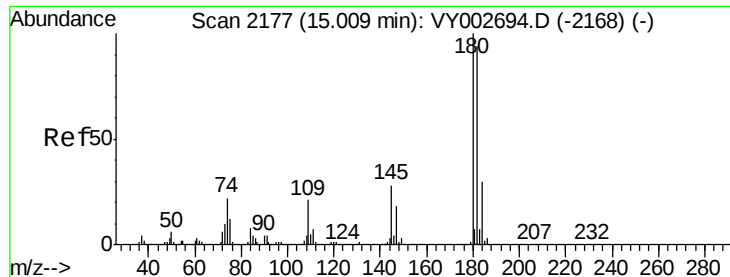


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

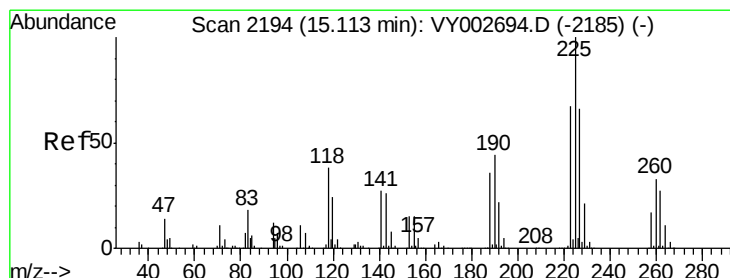
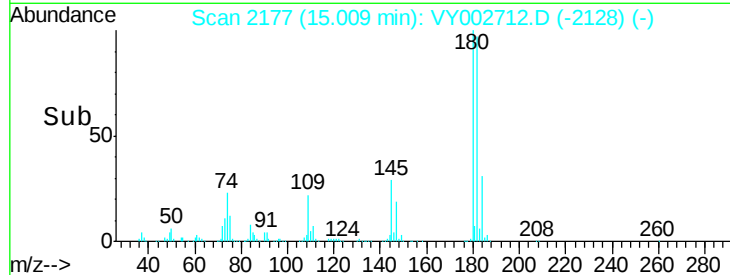
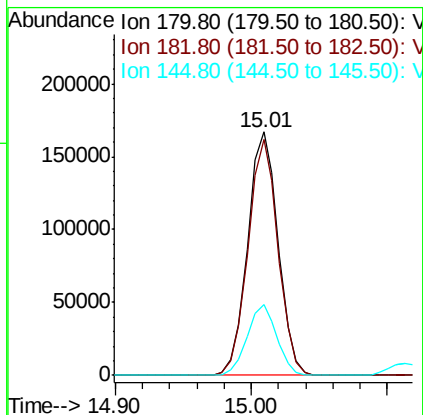
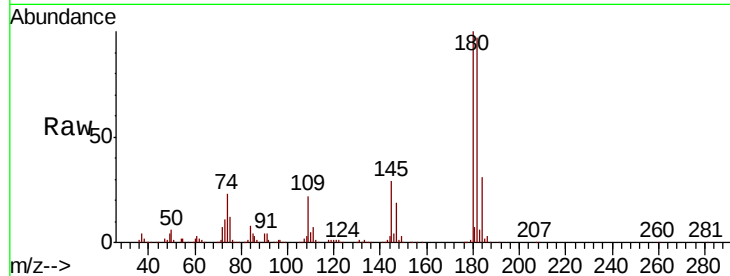




#93
 1,2,4-Trichlorobenzene
 Concen: 48.717 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY002712.D
 Acq: 19 May 2020 10:02

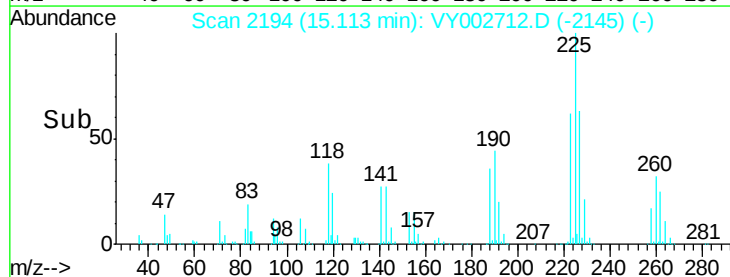
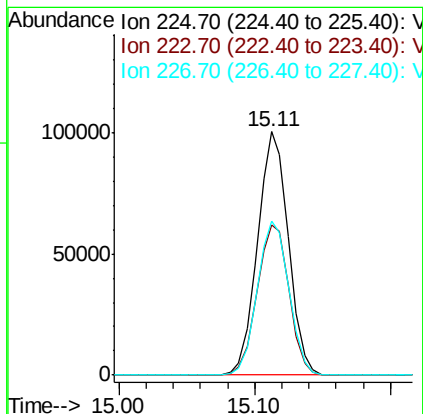
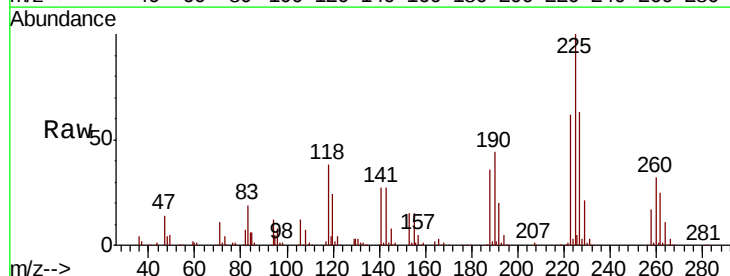
Instrument :
 MSVOA_Y
 ClientSampled :

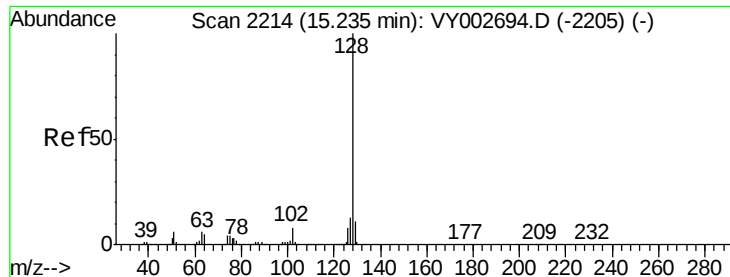
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	142.0
145	28.4	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: 49.896 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002712.D
 Acq: 19 May 2020 10:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.6	94.8
227	64.5	32.2	96.6

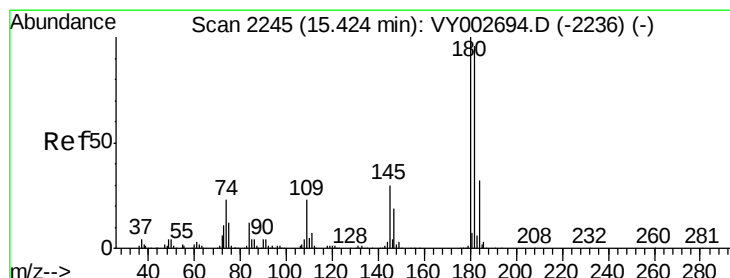
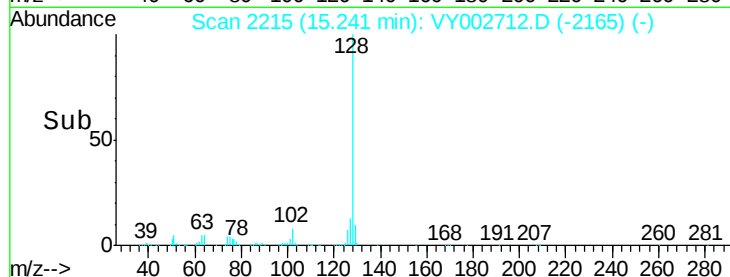
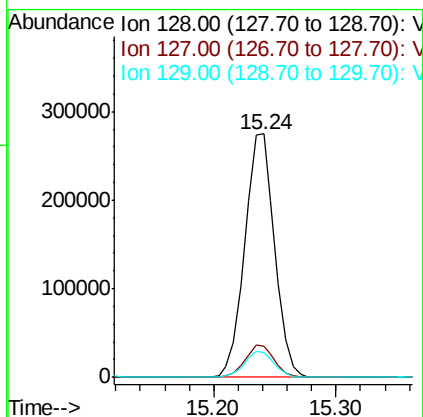
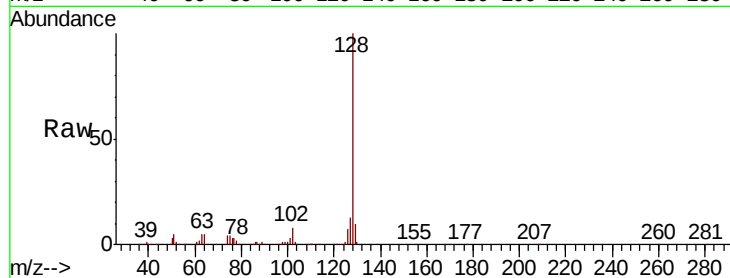




#95
Naphthalene
Concen: 45.357 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.01 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 464739
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 47.889 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002712.D
Acq: 19 May 2020 10:02

Tgt Ion:180 Resp: 219228
Ion Ratio Lower Upper
180 100
182 95.0 47.6 142.9
145 29.6 15.1 45.3

