

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002649.D
 Acq On : 08 May 2020 18:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 09 03:48:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	377928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	565178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	503277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	257668	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	145970	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	
35) Dibromofluoromethane	7.74	113	157668	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
50) Toluene-d8	10.19	98	616369	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.49	95	209071	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	148583	47.666	ug/l	98
3) Chloromethane	2.13	50	148387	48.462	ug/l	98
4) Vinyl Chloride	2.26	62	174299	49.298	ug/l	99
5) Bromomethane	2.66	94	122304	50.162	ug/l	99
6) Chloroethane	2.81	64	105295	49.877	ug/l	99
7) Trichlorofluoromethane	3.15	101	278435	50.813	ug/l	100
8) Diethyl Ether	3.55	74	92190	50.065	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	171468	51.200	ug/l	99
10) Methyl Iodide	4.11	142	233854	51.254	ug/l	99
11) Tert butyl alcohol	4.99	59	68736	210.247	ug/l	98
12) 1,1-Dichloroethene	3.90	96	169842	52.204	ug/l	96
13) Acrolein	3.76	56	40370	178.571	ug/l	98
14) Allyl chloride	4.51	41	246986	52.104	ug/l	98
15) Acrylonitrile	5.20	53	203658	234.527	ug/l	100
16) Acetone	3.97	43	143271	218.466	ug/l	99
17) Carbon Disulfide	4.22	76	502383	51.329	ug/l	100
18) Methyl Acetate	4.51	43	96480	44.031	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	422542	49.781	ug/l	100
20) Methylene Chloride	4.75	84	183082	49.922	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	187368	52.692	ug/l	98
22) Diisopropyl ether	6.15	45	494416	51.548	ug/l	96
23) Vinyl Acetate	6.09	43	1478607	245.130	ug/l	100
24) 1,1-Dichloroethane	6.05	63	301950	53.215	ug/l	99
25) 2-Butanone	7.02	43	246222	229.361	ug/l	100
26) 2,2-Dichloropropane	7.01	77	265919	49.304	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	205671	52.273	ug/l	99
28) Bromochloromethane	7.36	49	122332	52.620	ug/l	98
29) Tetrahydrofuran	7.37	42	164595	231.741	ug/l	99
30) Chloroform	7.53	83	307527	52.124	ug/l	97
31) Cyclohexane	7.81	56	280805	49.165	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	285702	52.100	ug/l	100
36) 1,1-Dichloropropene	7.94	75	246968	52.126	ug/l	99
37) Ethyl Acetate	7.10	43	111871	45.948	ug/l	99
38) Carbon Tetrachloride	7.93	117	266750	51.569	ug/l	99

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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.20	83	326007	52.095	ug/l	99
40) Benzene	8.18	78	711143	51.968	ug/l	100
41) Methacrylonitrile	7.37	41	153629	117.357	ug/l #	1
42) 1,2-Dichloroethane	8.26	62	184560	48.082	ug/l	99
43) Isopropyl Acetate	8.29	43	219946	48.187	ug/l	99
44) Trichloroethene	8.96	130	228480	53.427	ug/l	97
45) 1,2-Dichloropropane	9.24	63	171120	51.813	ug/l	98
46) Dibromomethane	9.32	93	93099	48.995	ug/l	98
47) Bromodichloromethane	9.51	83	237778	51.463	ug/l	98
48) Methyl methacrylate	9.31	41	99611	48.221	ug/l	99
49) 1,4-Dioxane	9.32	88	25287	1005.081	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	555856	236.267	ug/l	98
52) Toluene	10.26	92	460383	52.349	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	244849	50.578	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	287177	51.314	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	138907	50.129	ug/l	99
56) Ethyl methacrylate	10.52	69	185155	50.228	ug/l	97
57) 1,3-Dichloropropane	10.80	76	232673	49.513	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	461514	237.406	ug/l	100
59) 2-Hexanone	10.85	43	384959	237.737	ug/l	99
60) Dibromochloromethane	11.00	129	177709	50.423	ug/l	99
61) 1,2-Dibromoethane	11.10	107	133201	48.547	ug/l	98
64) Tetrachloroethene	10.73	164	252592	56.488	ug/l	98
65) Chlorobenzene	11.53	112	506592	52.950	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	189890	53.469	ug/l	99
67) Ethyl Benzene	11.60	91	901236	53.627	ug/l	100
68) m/p-Xylenes	11.71	106	693487	106.650	ug/l	99
69) o-Xylene	12.04	106	327025	53.713	ug/l	99
70) Styrene	12.05	104	559008	53.708	ug/l	99
71) Bromoform	12.22	173	111252	50.472	ug/l	99
73) Isopropylbenzene	12.34	105	889185	53.247	ug/l	99
74) N-amyl acetate	12.15	43	203758	50.723	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	119684	45.065	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	196947	86.010	ug/l #	100
77) Bromobenzene	12.62	156	232975	55.840	ug/l	90
78) n-propylbenzene	12.68	91	1035985	53.458	ug/l	100
79) 2-Chlorotoluene	12.77	91	568912	52.997	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	745056	53.824	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	53880	47.183	ug/l	99
82) 4-Chlorotoluene	12.86	91	586917	52.050	ug/l	100
83) tert-Butylbenzene	13.08	119	662154	54.555	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	738780	53.552	ug/l	100
85) sec-Butylbenzene	13.26	105	901909	53.551	ug/l	100
86) p-Isopropyltoluene	13.38	119	847325	53.693	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	409563	51.866	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	405158	51.816	ug/l	99
89) n-Butylbenzene	13.70	91	762215	53.056	ug/l	100
90) Hexachloroethane	13.97	117	155093	53.966	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	361102	51.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	24142	48.766	ug/l	96

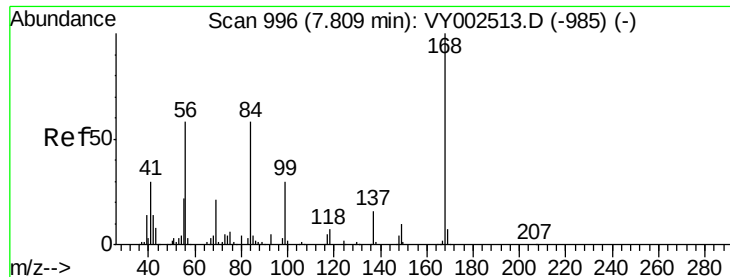
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Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	258500	50.532	ug/l	99
94) Hexachlorobutadiene	15.12	225	161133	52.475	ug/l	99
95) Naphthalene	15.25	128	475077	50.908	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	209552	48.254	ug/l	98

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

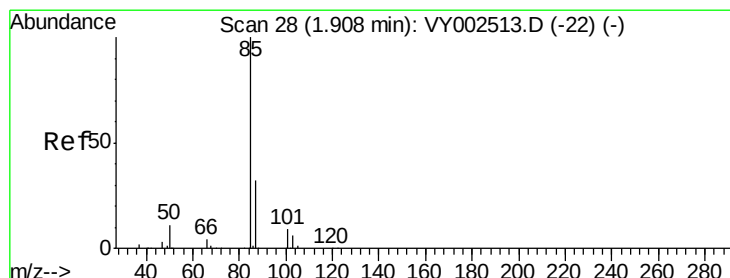
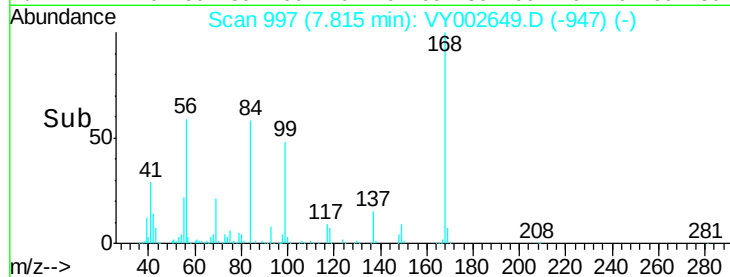
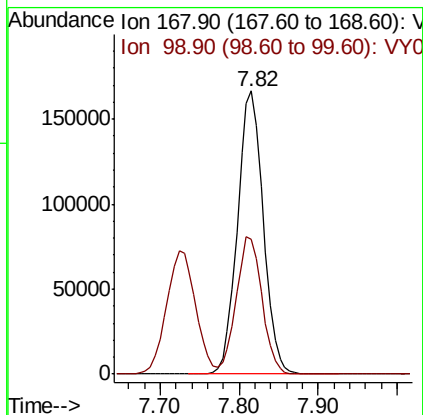
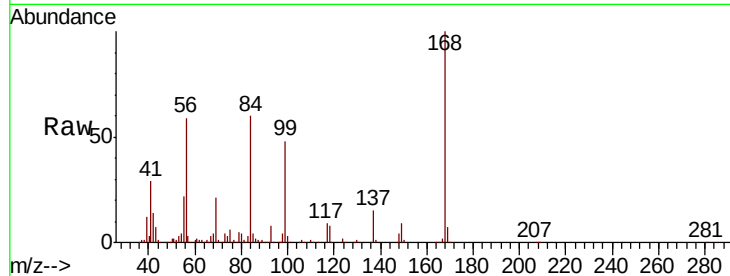


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampled :

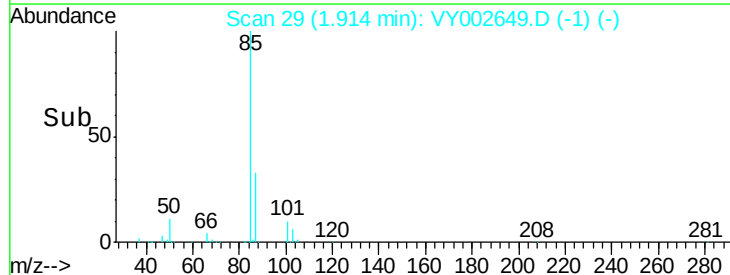
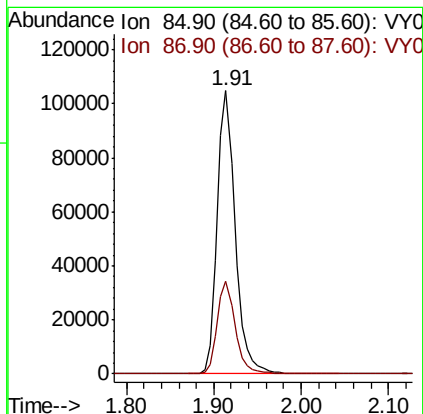
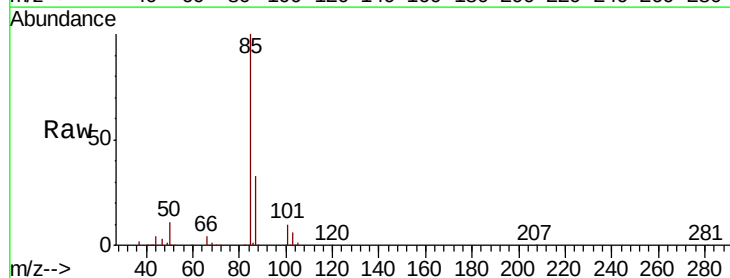
Tot Ion:168 Resp: 377928
 Ion Ratio Lower Upper
 168 100
 99 47.8 39.2 58.8

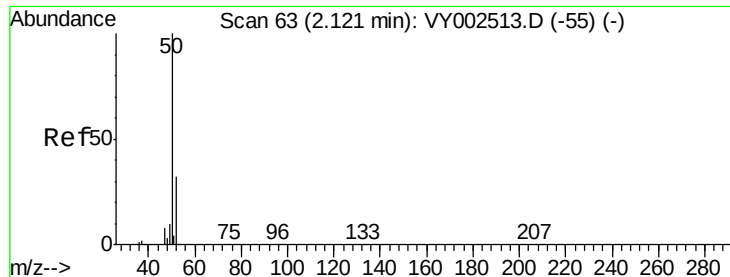


#2

Dichlorodifluoromethane
 Concen: 47.666 ug/l
 RT: 1.91 min Scan# 29
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion: 85 Resp: 148583
 Ion Ratio Lower Upper
 85 100
 87 32.8 15.8 47.4





#3

Chloromethane

Concen: 48.462 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

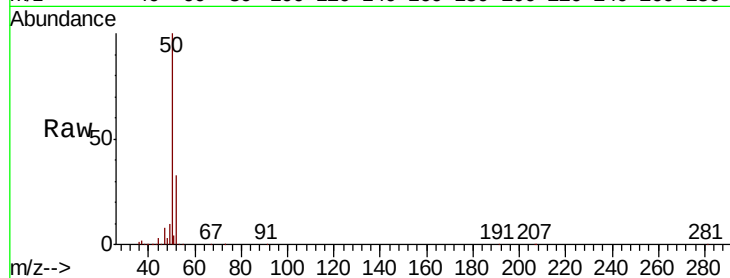
ClientSampleId :

Tot Ion: 50 Resp: 148387

Ion Ratio Lower Upper

50 100

52 33.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

100000

80000

60000

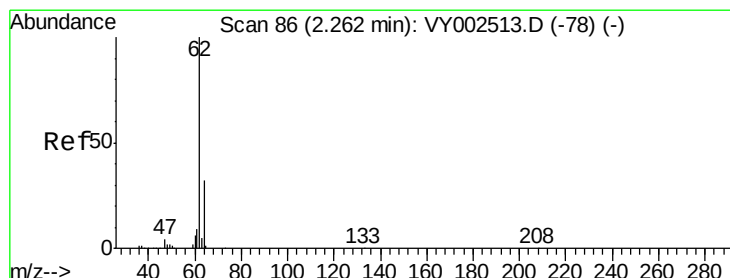
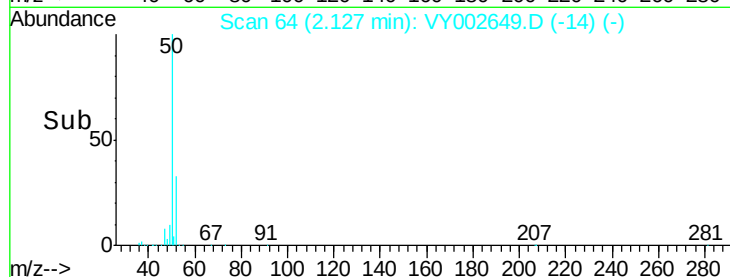
40000

20000

0

Time-->

2.05 2.10 2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 49.298 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002649.D

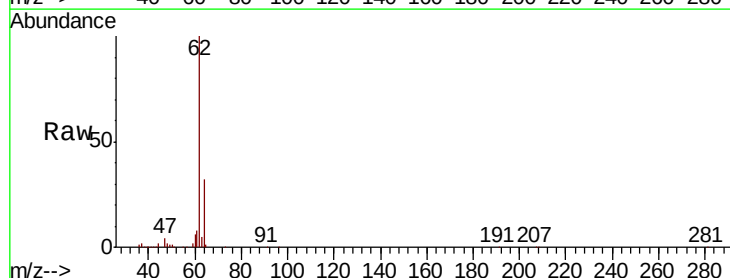
Acq: 08 May 2020 18:18

Tgt Ion: 62 Resp: 174299

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

120000

100000

80000

60000

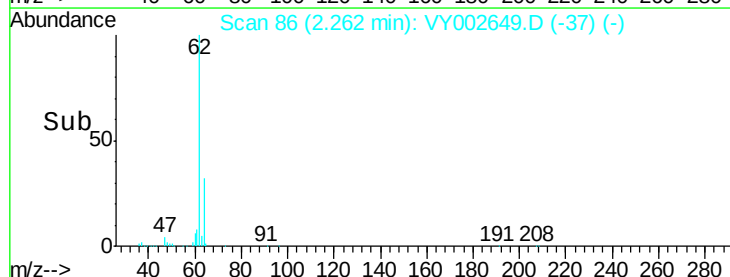
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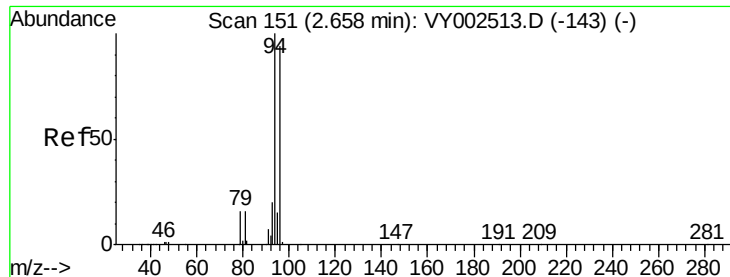
20000

0

Time-->

2.20 2.30 2.40





#5

Bromomethane

Concen: 50.162 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

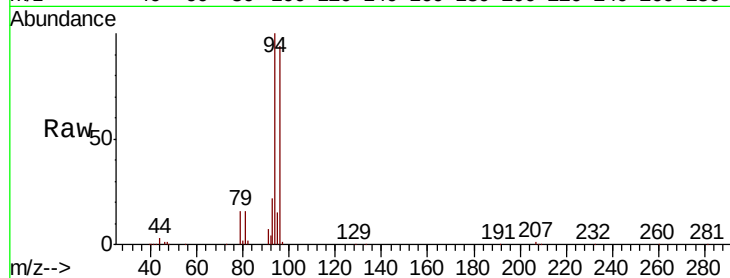
ClientSampleId :

Tot Ion: 94 Resp: 122304

Ion Ratio Lower Upper

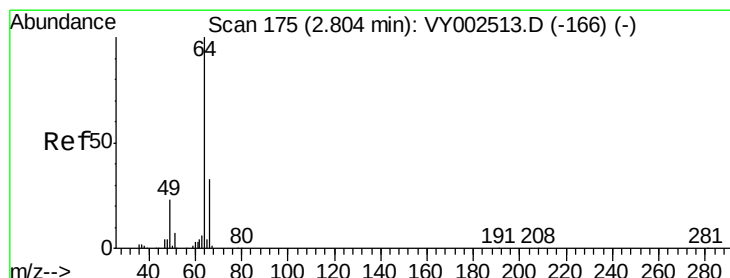
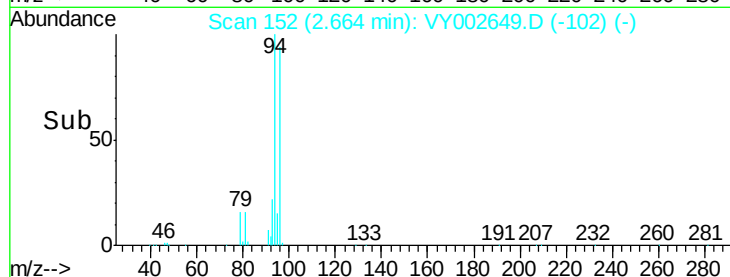
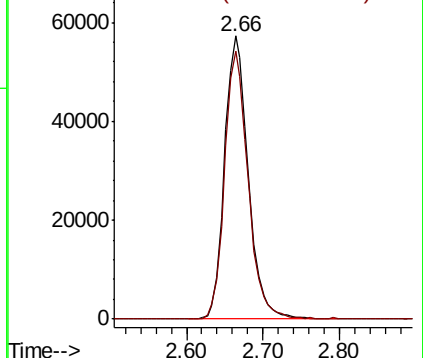
94 100

96 94.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 49.877 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002649.D

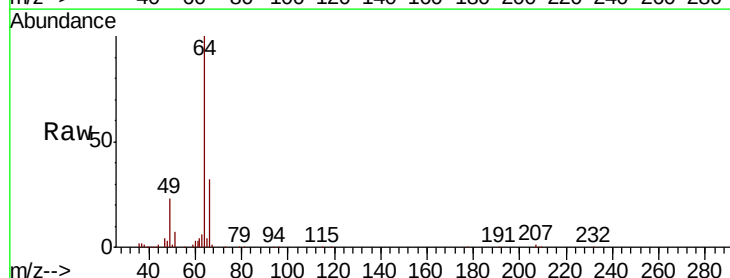
Acq: 08 May 2020 18:18

Tgt Ion: 64 Resp: 105295

Ion Ratio Lower Upper

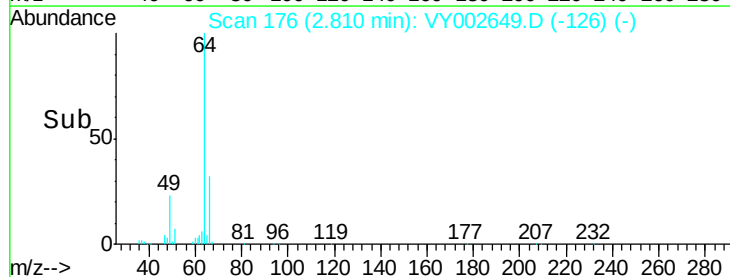
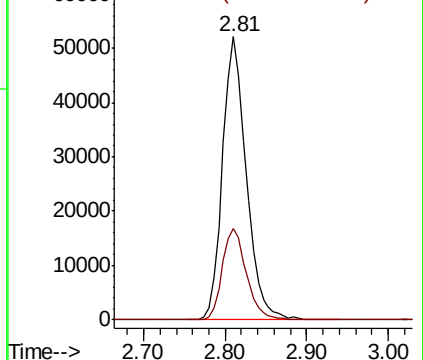
64 100

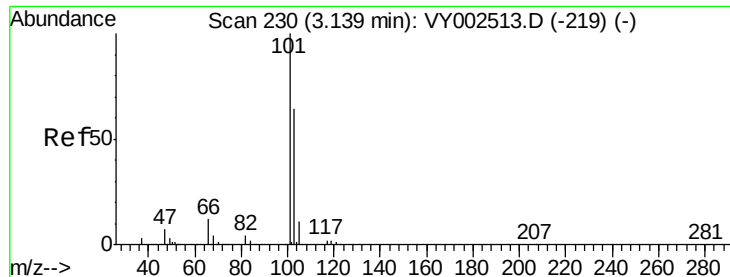
66 32.1 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



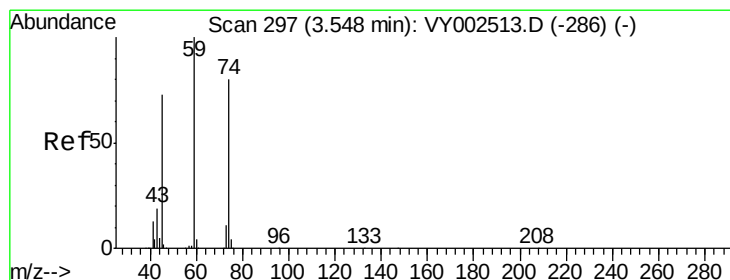
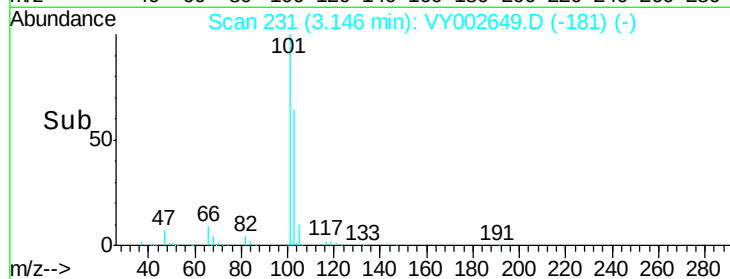
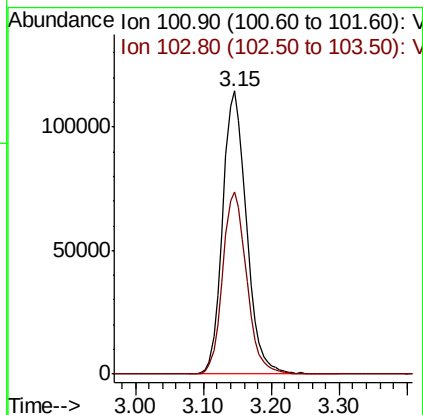
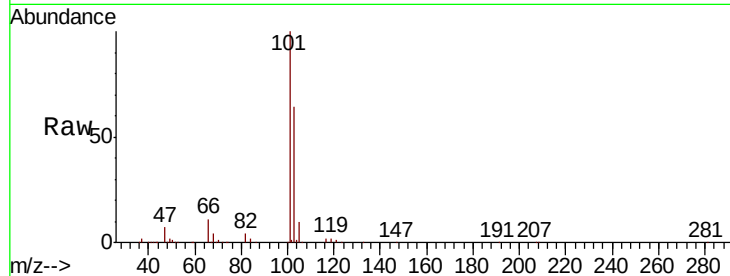


#7

Trichlorofluoromethane
Concen: 50.813 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampled :

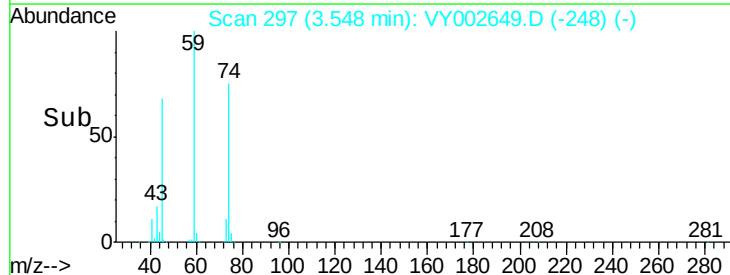
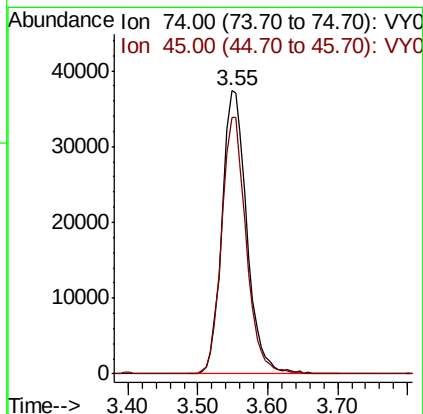
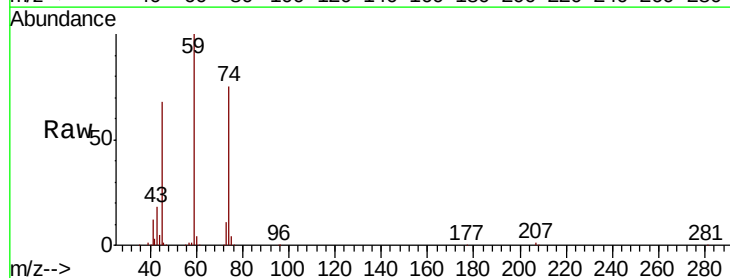
Tot Ion:101 Resp: 278435
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.0

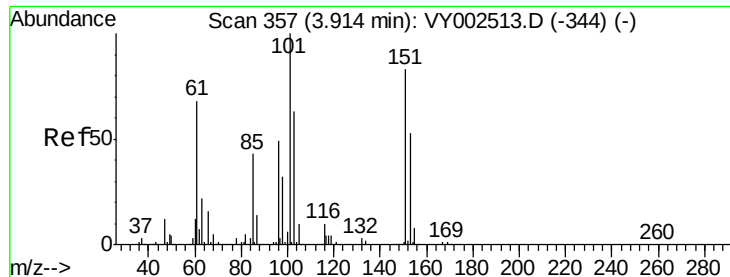


#8

Diethyl Ether
Concen: 50.065 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion: 74 Resp: 92190
Ion Ratio Lower Upper
74 100
45 90.0 46.2 138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.200 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

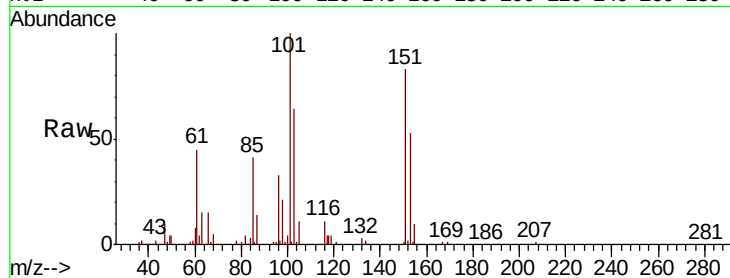
Tot Ion:101 Resp: 171468

Ion Ratio Lower Upper

101 100

85 42.2 33.4 50.2

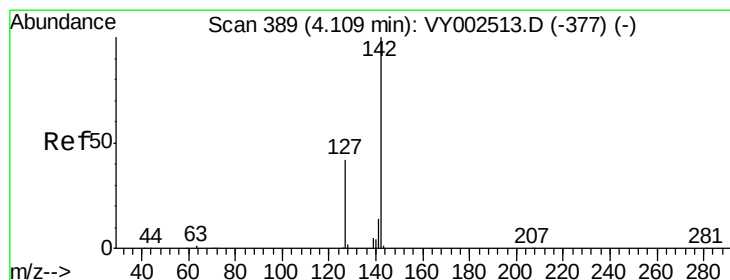
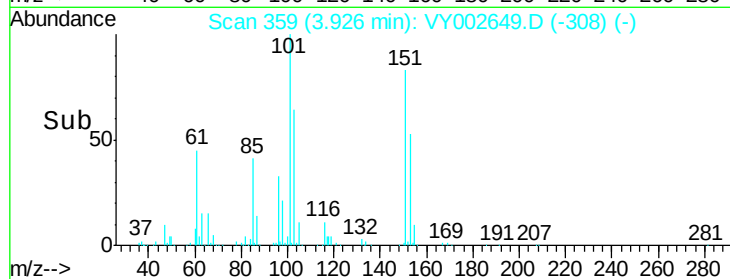
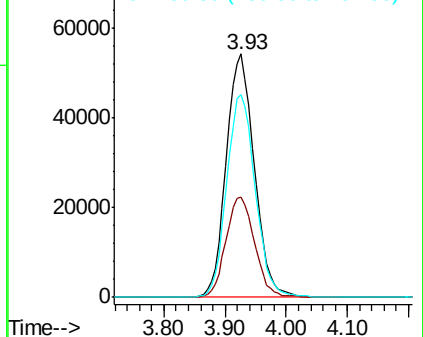
151 85.0 66.8 100.2



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: 51.254 ug/l

RT: 4.11 min Scan# 390

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

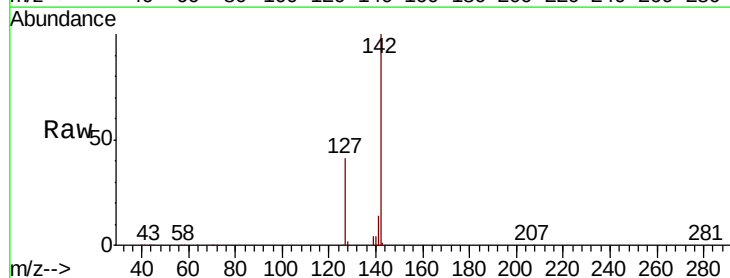
Tgt Ion:142 Resp: 233854

Ion Ratio Lower Upper

142 100

127 41.0 33.7 50.5

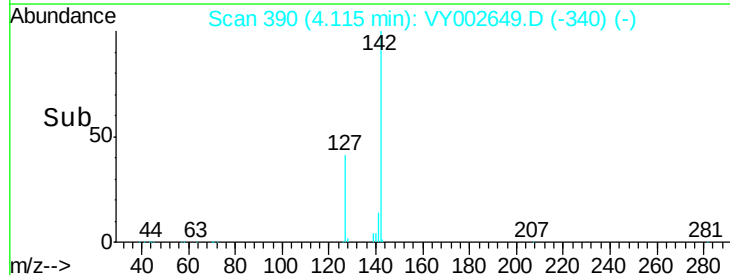
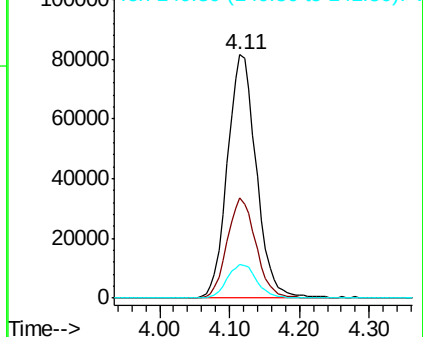
141 14.2 11.4 17.0

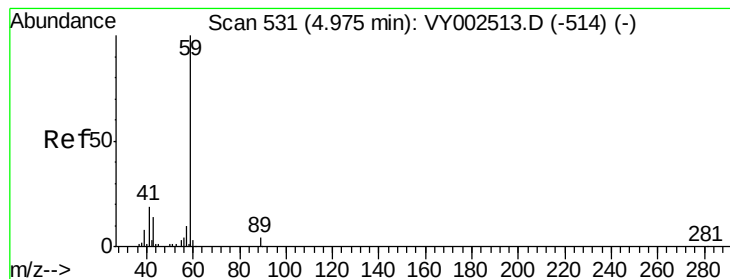


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



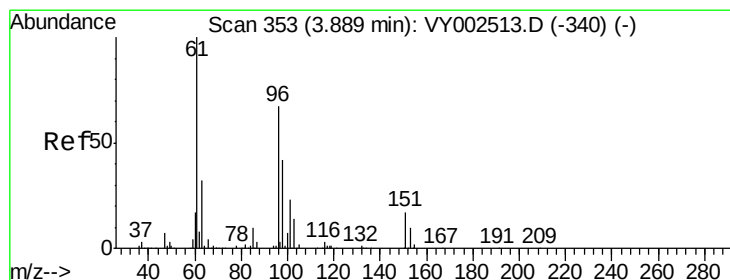
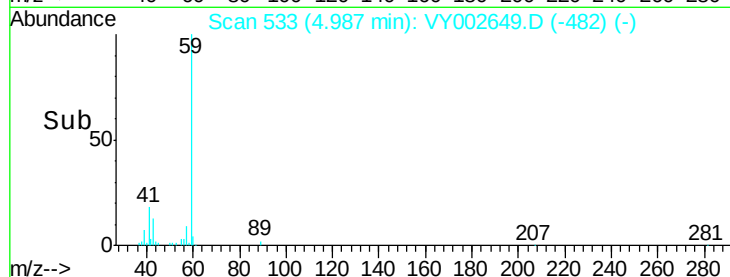
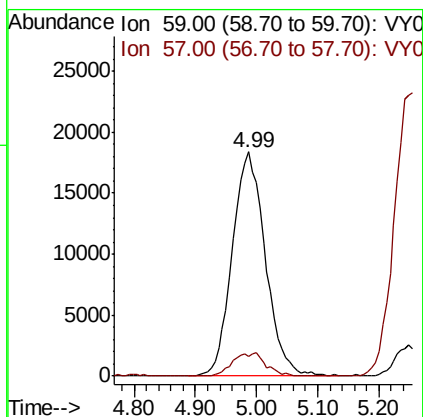
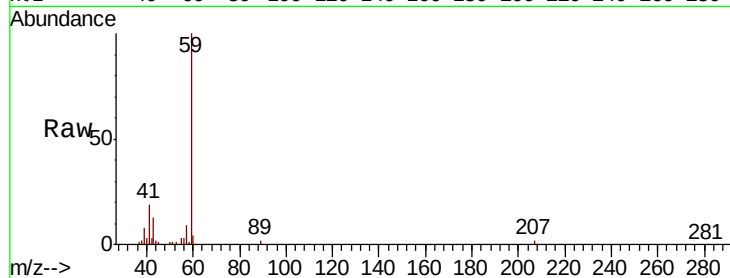


#11

Tert butyl alcohol
Concen: 210.247 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampled :

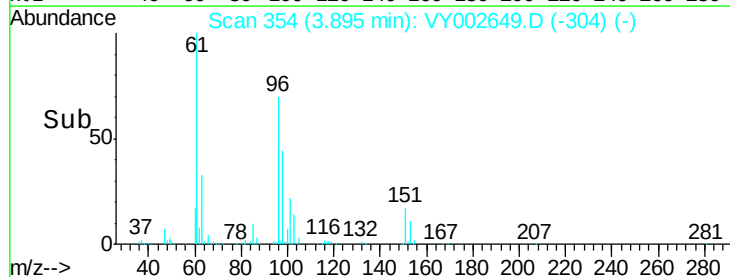
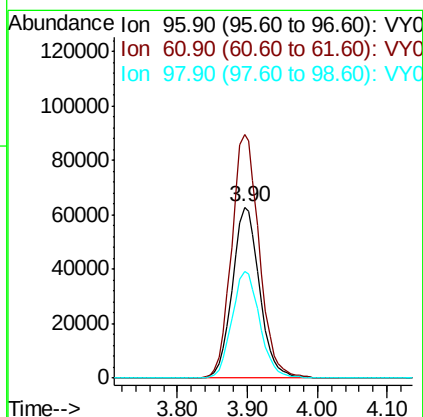
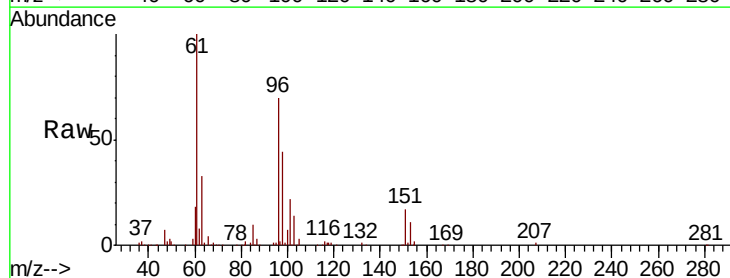
Tot Ion: 59 Resp: 68736
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.6

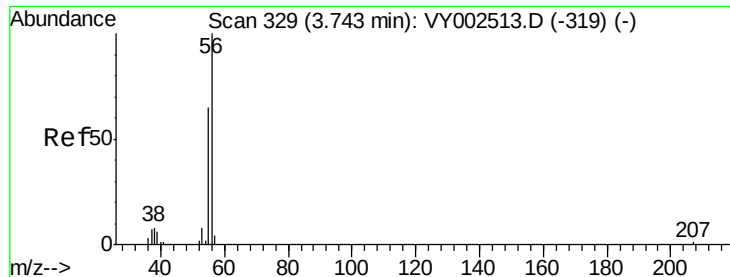


#12

1,1-Dichloroethene
Concen: 52.204 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion: 96 Resp: 169842
Ion Ratio Lower Upper
96 100
61 142.6 118.8 178.2
98 62.6 49.6 74.4





#13

Acrolein

Concen: 178.571 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

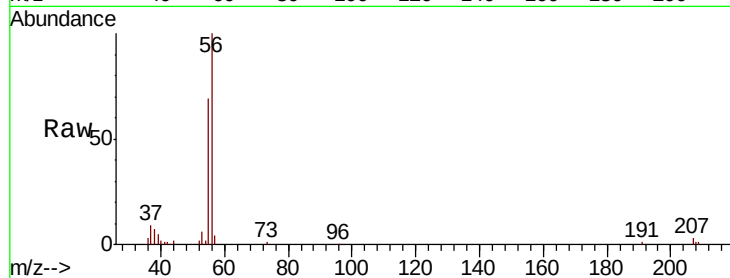
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 40370

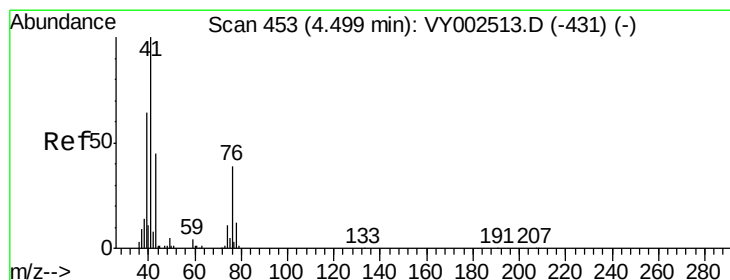
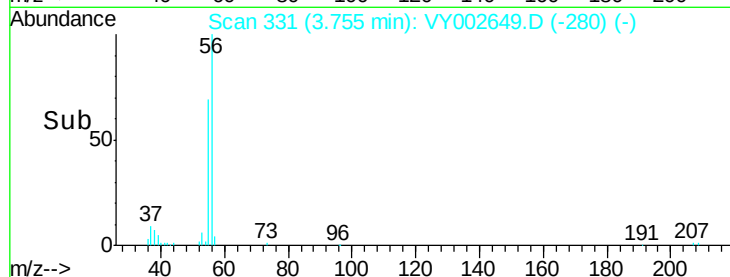
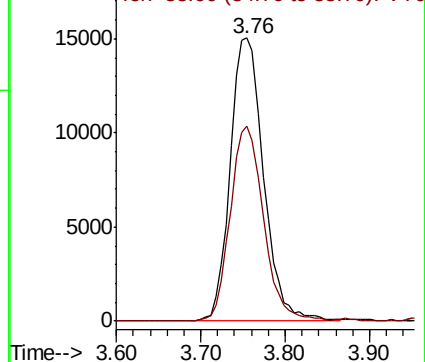
Ion Ratio Lower Upper

56 100

55 68.8 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 52.104 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

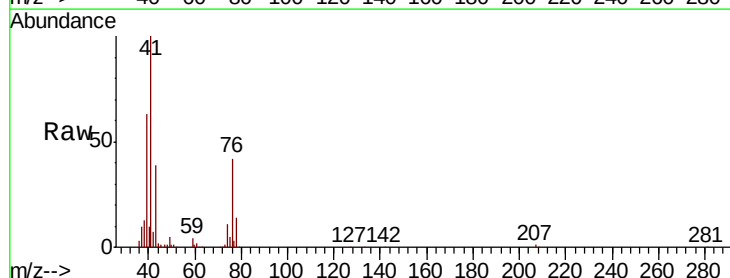
Tgt Ion: 41 Resp: 246986

Ion Ratio Lower Upper

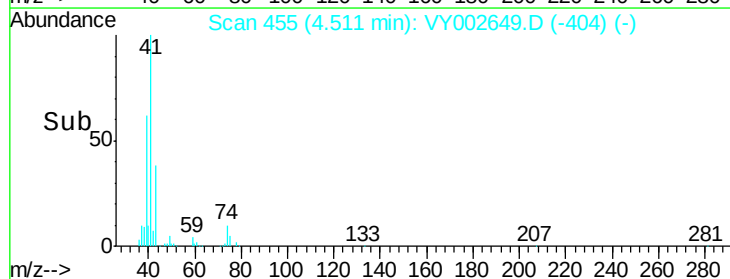
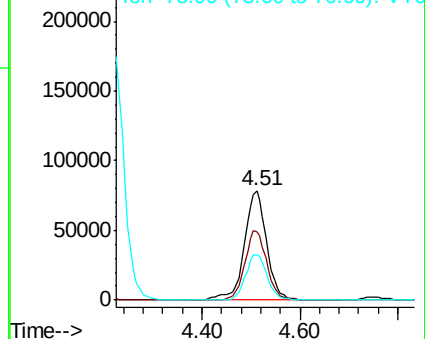
41 100

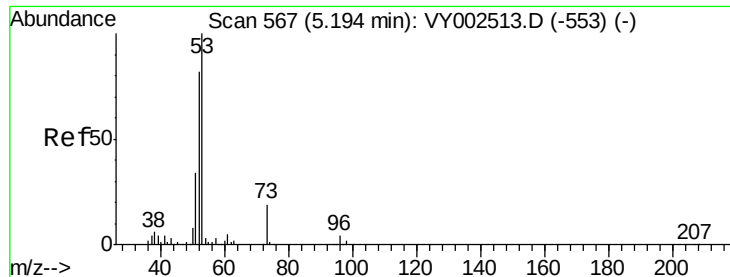
39 62.4 51.8 77.6

76 40.6 31.7 47.5



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 234.527 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

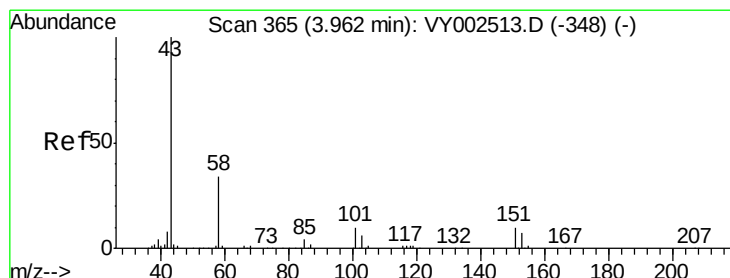
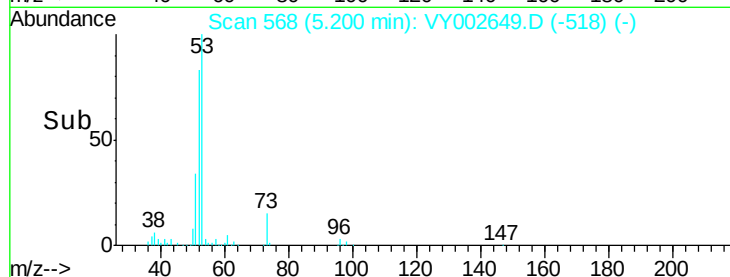
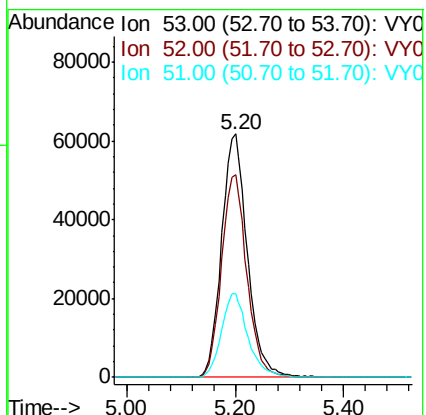
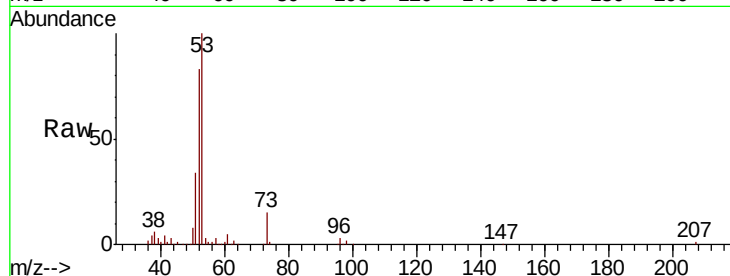
Tot Ion: 53 Resp: 203658

Ion Ratio Lower Upper

53 100

52 81.8 65.4 98.0

51 35.4 28.7 43.1



#16

Acetone

Concen: 218.466 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002649.D

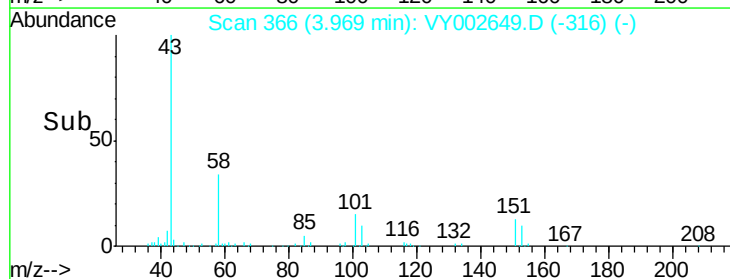
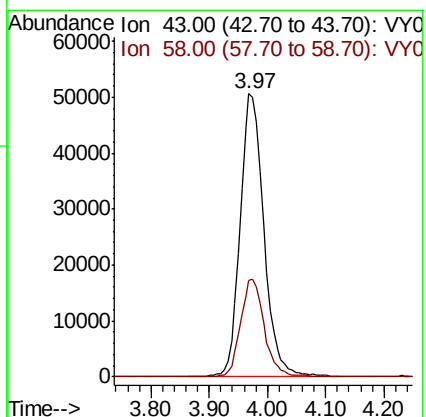
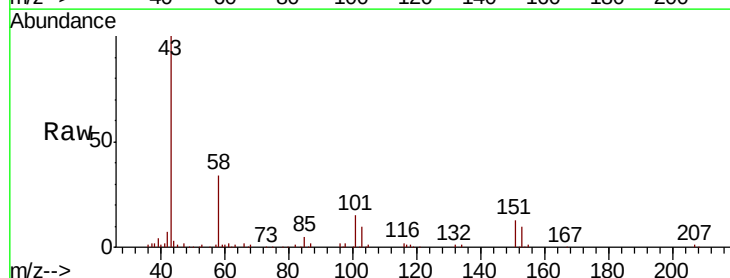
Acq: 08 May 2020 18:18

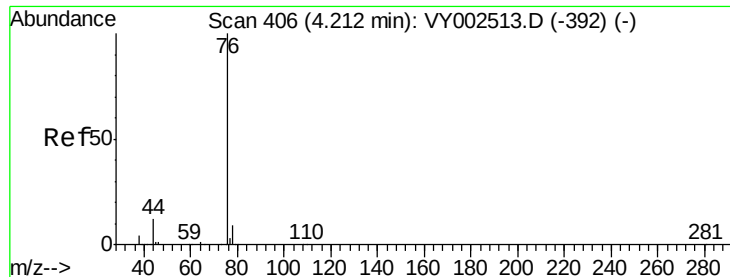
Tgt Ion: 43 Resp: 143271

Ion Ratio Lower Upper

43 100

58 34.0 26.9 40.3

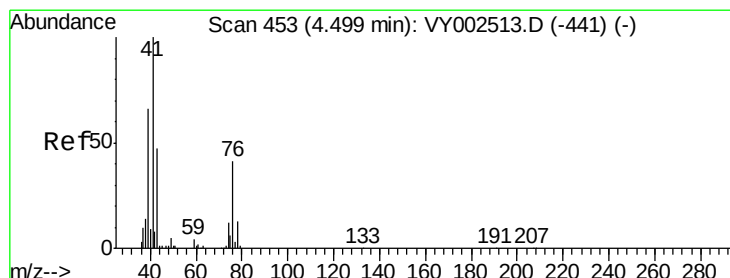
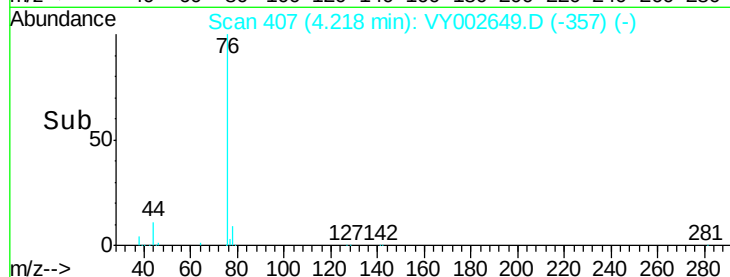
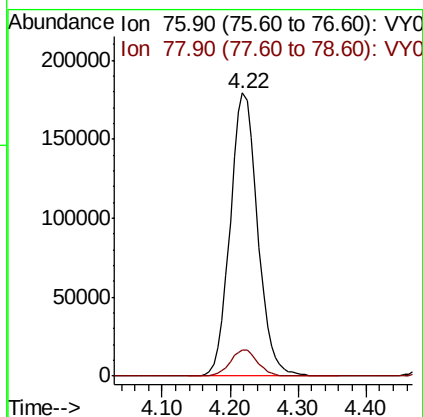
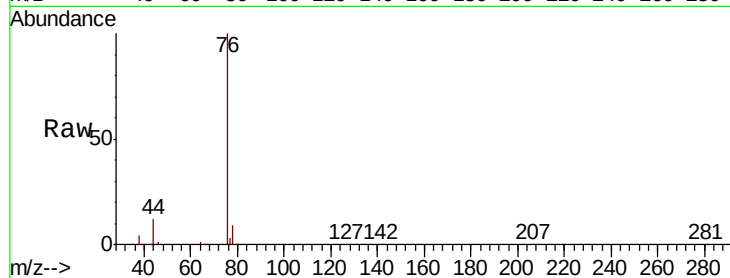




#17
Carbon Disulfide
Concen: 51.329 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

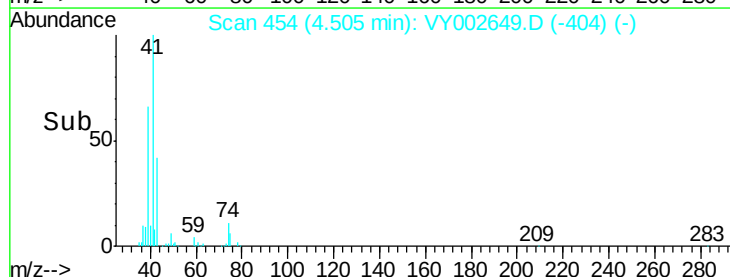
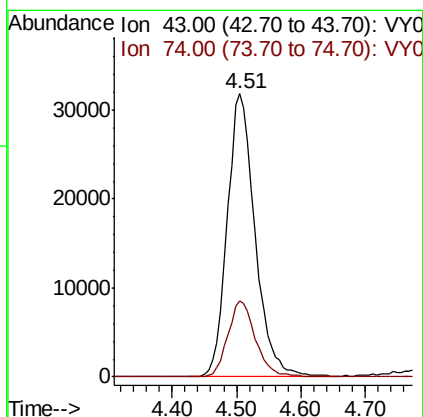
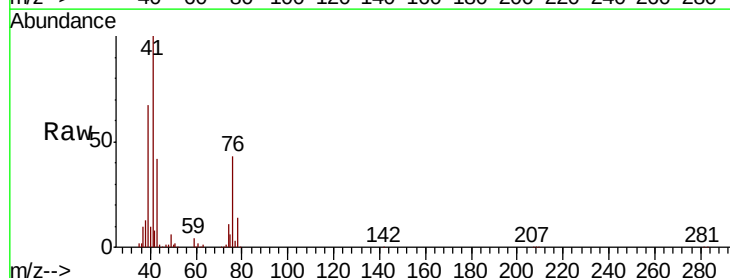
Instrument :
MSVOA_Y
ClientSampled :

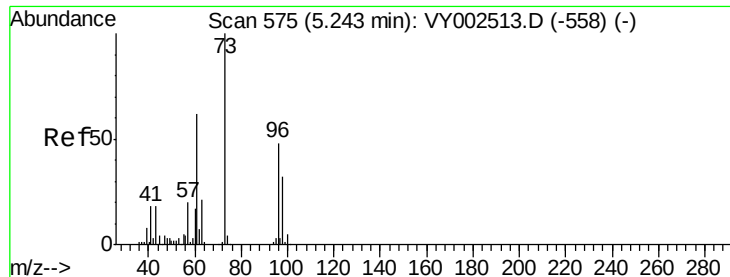
Tot Ion: 76 Resp: 502383
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 44.031 ug/l
RT: 4.51 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion: 43 Resp: 96480
Ion Ratio Lower Upper
43 100
74 26.5 21.2 31.8

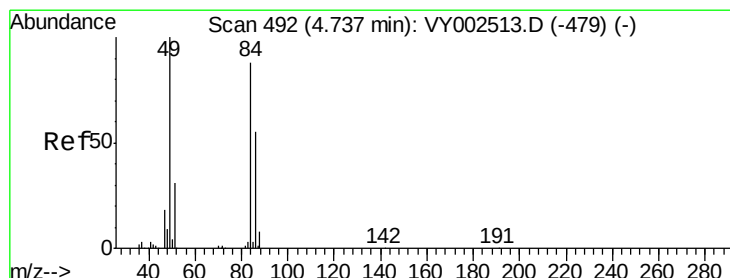
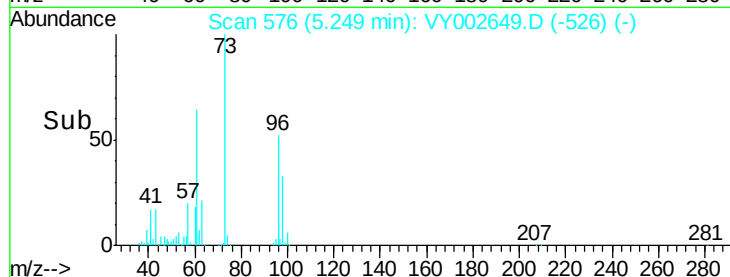
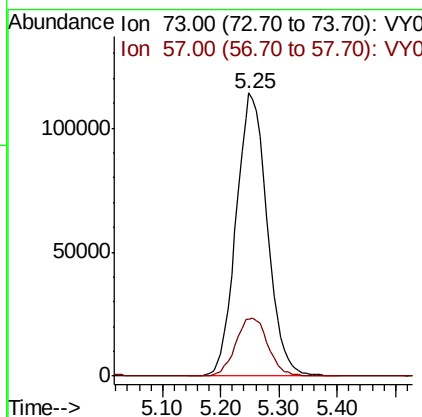
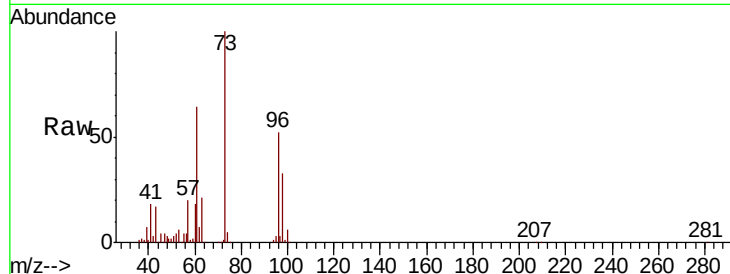




#19
Methyl tert-butyl Ether
Concen: 49.781 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

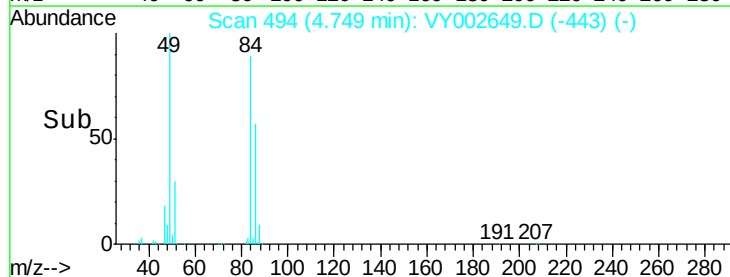
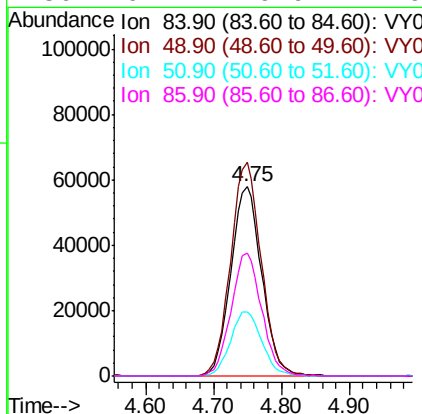
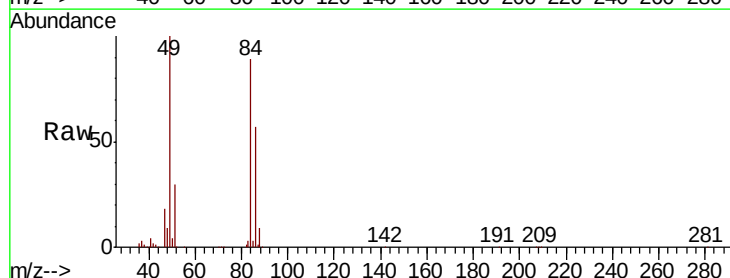
Instrument :
MSVOA_Y
ClientSampled :

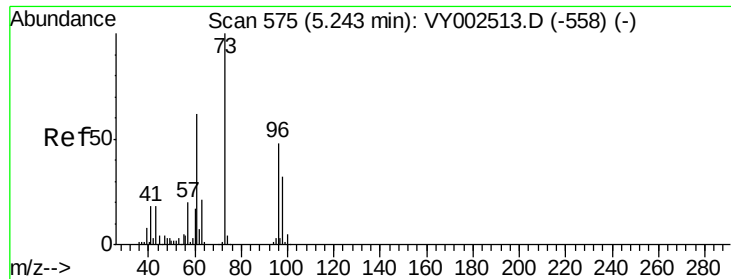
Tot Ion: 73 Resp: 422542
Ion Ratio Lower Upper
73 100
57 20.2 16.3 24.5



#20
Methylene Chloride
Concen: 49.922 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion: 84 Resp: 183082
Ion Ratio Lower Upper
84 100
49 112.9 90.5 135.7
51 34.0 28.3 42.5
86 64.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 52.692 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

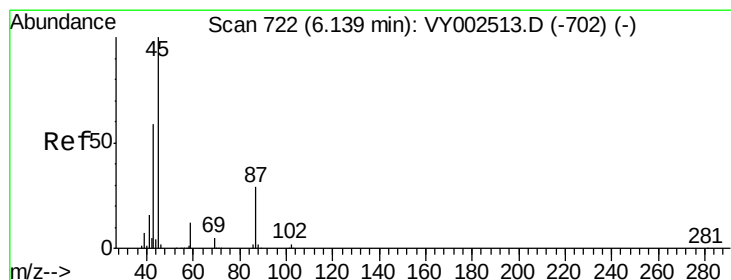
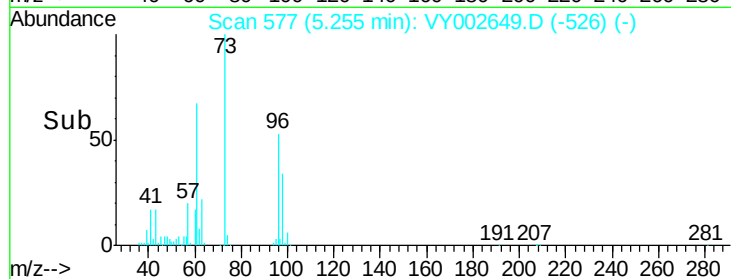
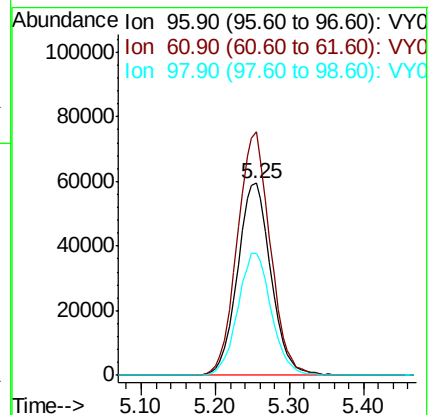
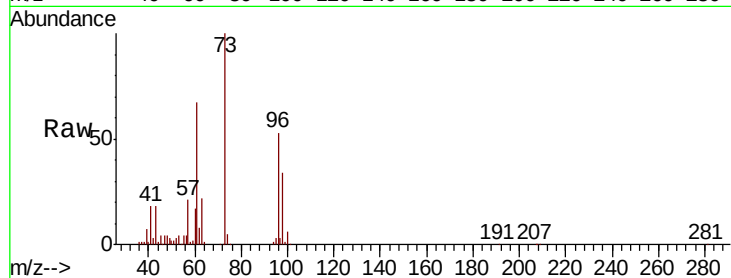
Tot Ion: 96 Resp: 187368

Ion Ratio Lower Upper

96 100

61 126.6 102.0 153.0

98 63.5 53.0 79.4



#22

Diisopropyl ether

Concen: 51.548 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Tgt Ion: 45 Resp: 494416

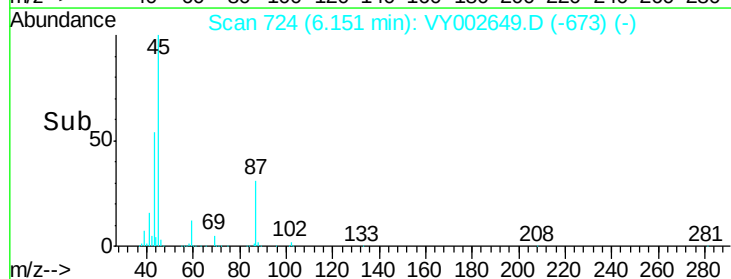
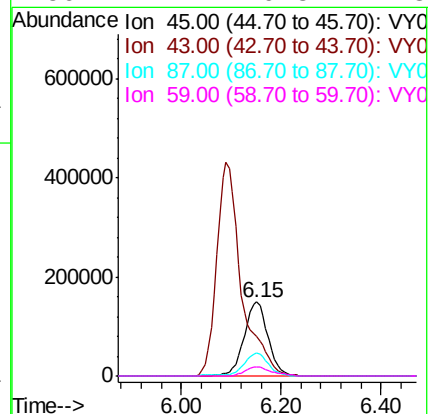
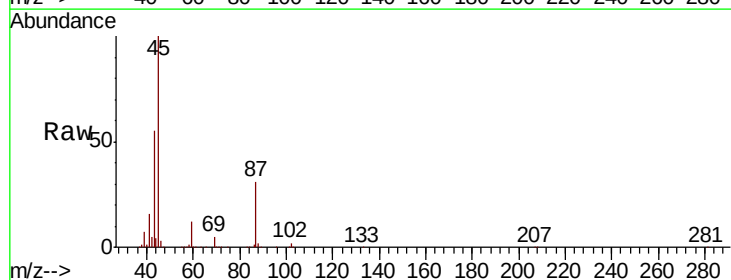
Ion Ratio Lower Upper

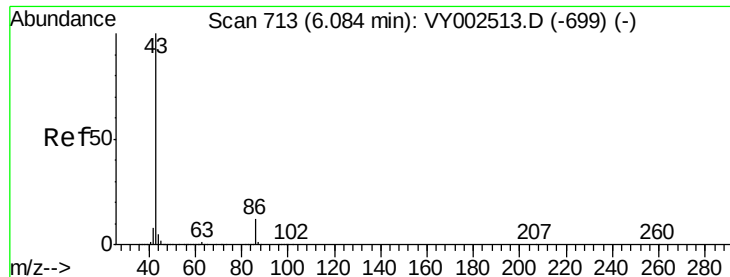
45 100

43 54.4 47.4 71.0

87 30.9 24.0 36.0

59 11.7 9.8 14.8





#23

Vinyl Acetate

Concen: 245.130 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

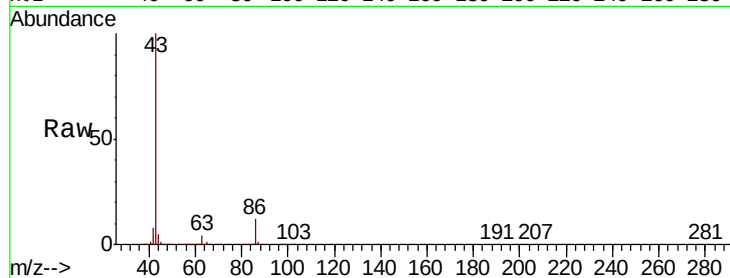
ClientSampleId :

Tot Ion: 43 Resp: 1478607

Ion Ratio Lower Upper

43 100

86 12.3 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.09

400000

300000

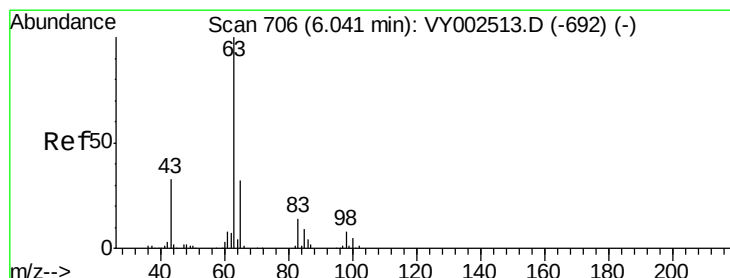
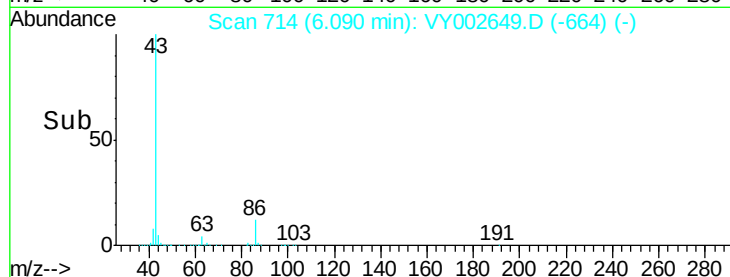
200000

100000

0

Time-->

6.00 6.20 6.40



#24

1,1-Dichloroethane

Concen: 53.215 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

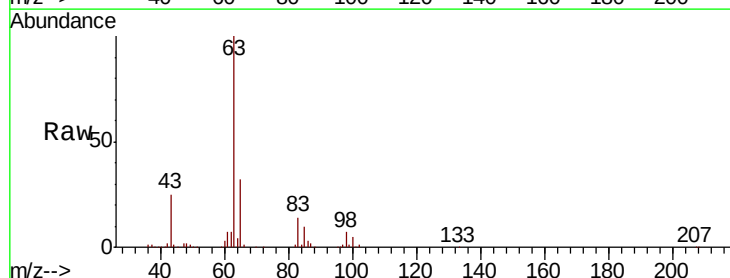
Tgt Ion: 63 Resp: 301950

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

100 5.0 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

120000

100000

80000

60000

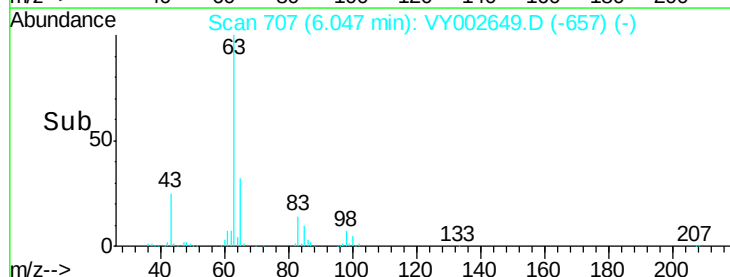
40000

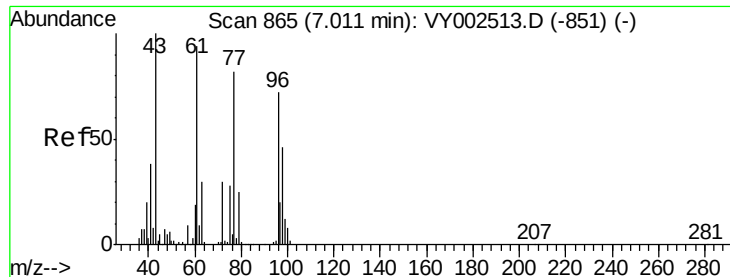
20000

0

Time-->

5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 229.361 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

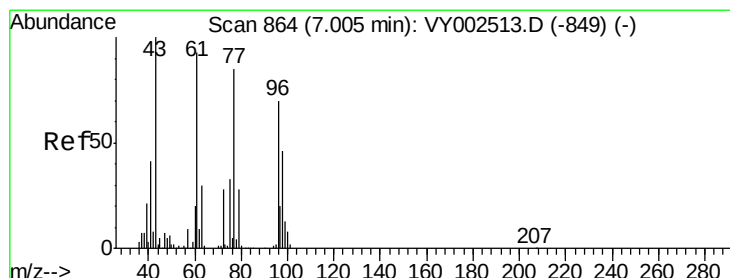
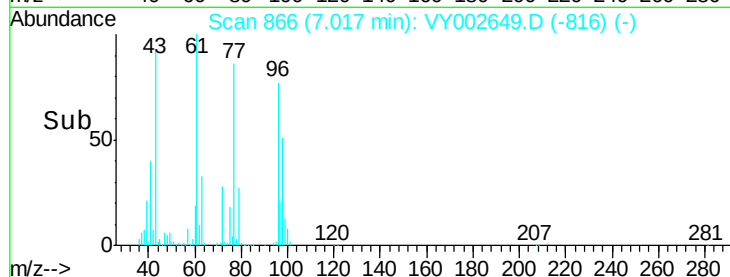
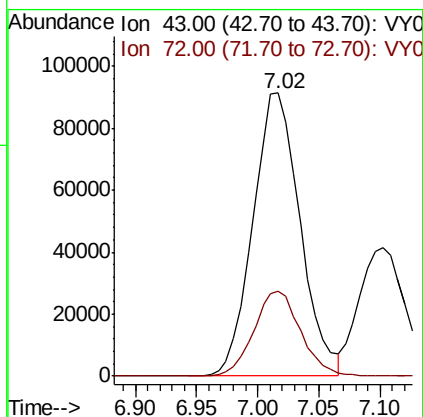
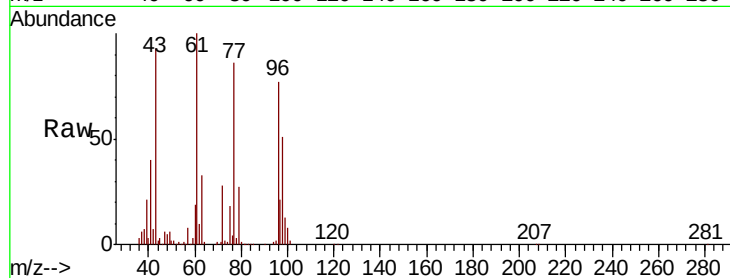
ClientSampled :

Tot Ion: 43 Resp: 246222

Ion Ratio Lower Upper

43 100

72 29.9 24.1 36.1



#26

2,2-Dichloropropane

Concen: 49.304 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002649.D

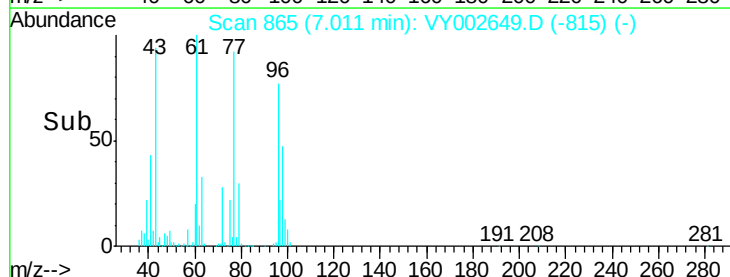
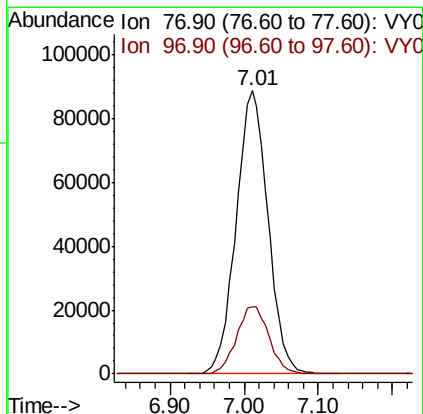
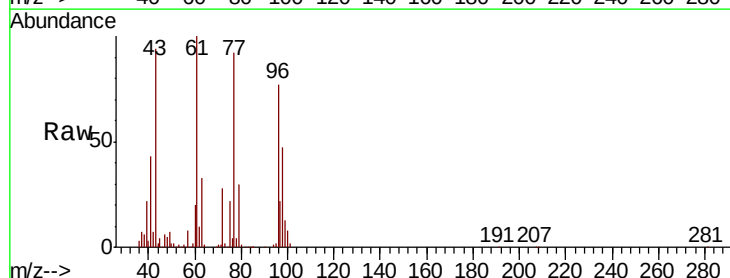
Acq: 08 May 2020 18:18

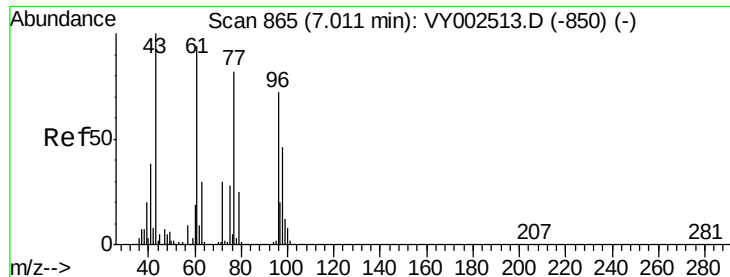
Tgt Ion: 77 Resp: 265919

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.5



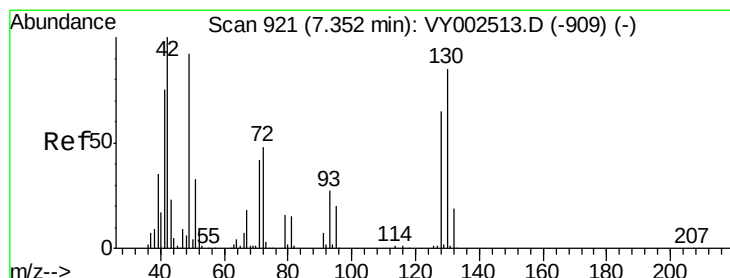
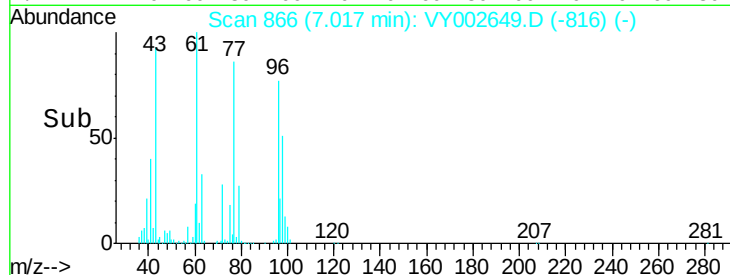
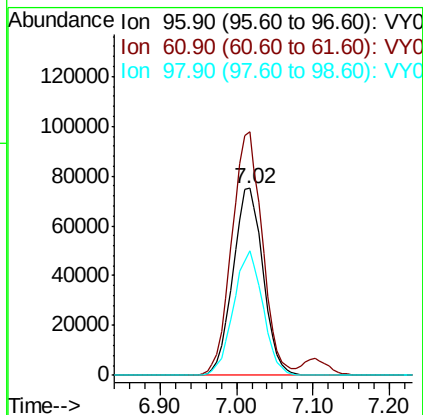
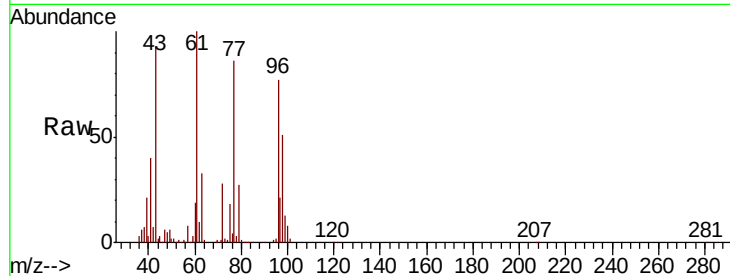


#27

cis-1,2-Dichloroethene
Concen: 52.273 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :

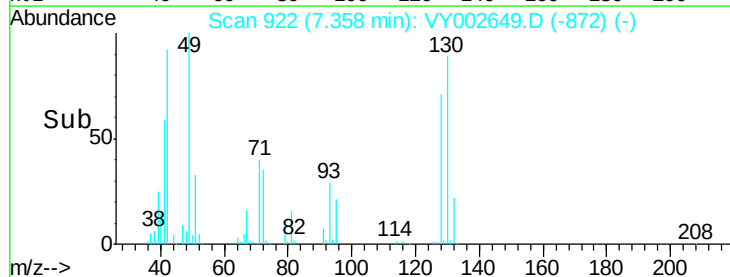
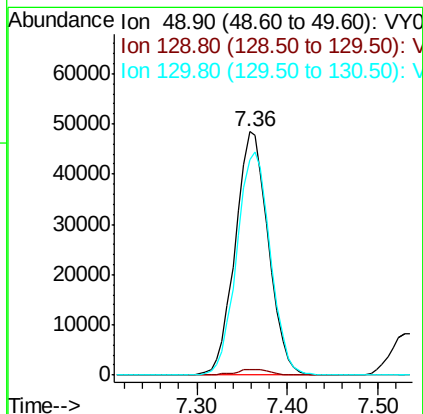
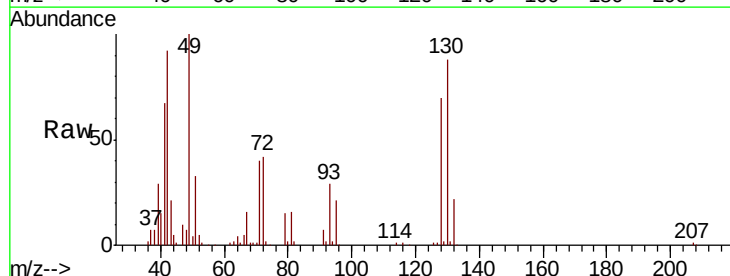
Tot Ion: 96 Resp: 205671
Ion Ratio Lower Upper
96 100
61 131.0 0.0 266.6
98 64.9 0.0 129.2

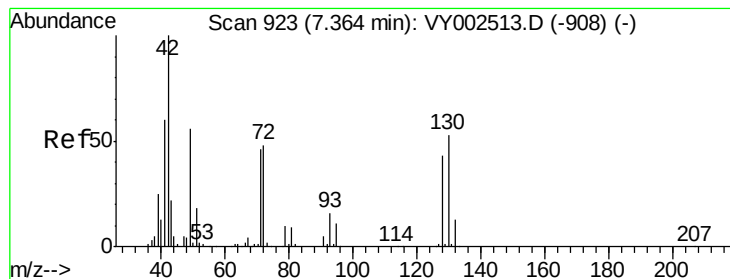


#28

Bromochloromethane
Concen: 52.620 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion: 49 Resp: 122332
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.8
130 92.8 72.5 108.7





#29

Tetrahydrofuran

Concen: 231.741 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

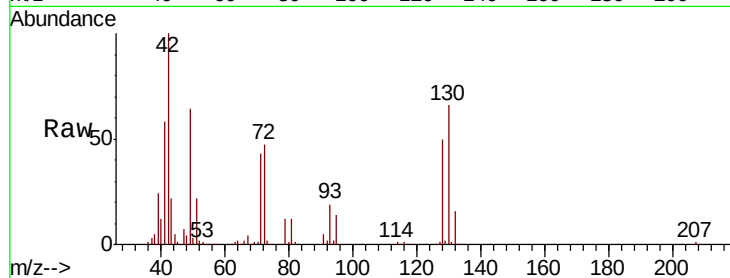
Tot Ion: 42 Resp: 164595

Ion Ratio Lower Upper

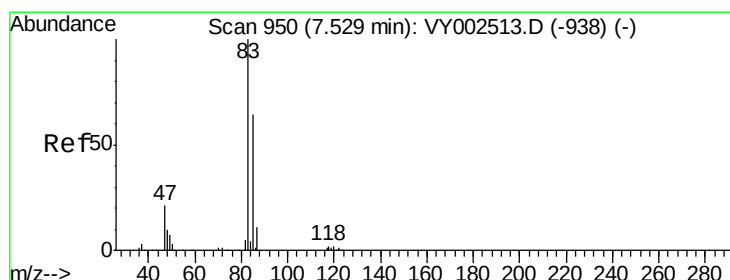
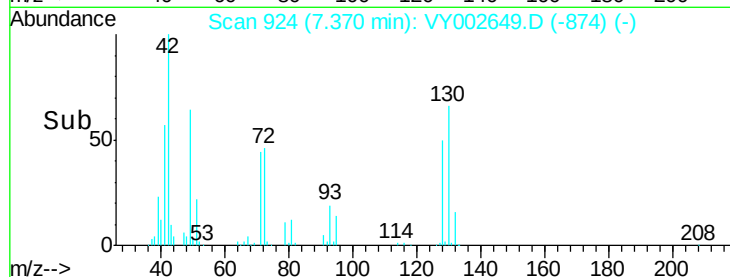
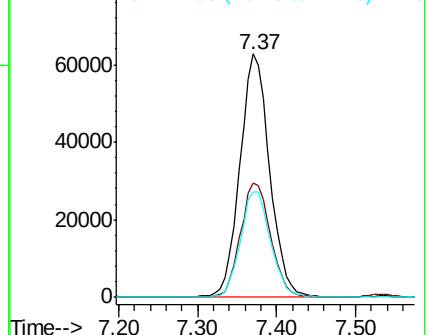
42 100

72 47.8 37.4 56.2

71 44.2 35.0 52.4



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0



#30

Chloroform

Concen: 52.124 ug/l

RT: 7.53 min Scan# 951

Delta R.T. 0.01 min

Lab File: VY002649.D

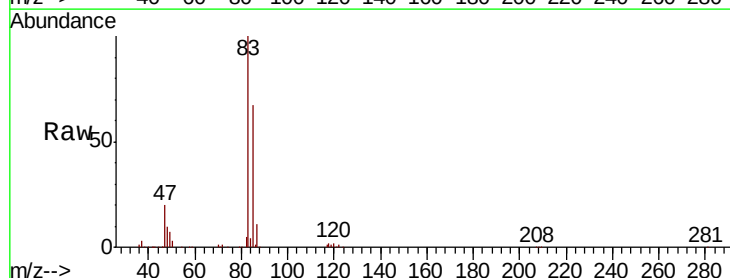
Acq: 08 May 2020 18:18

Tgt Ion: 83 Resp: 307527

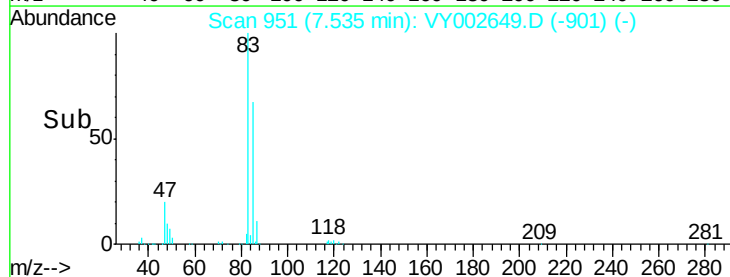
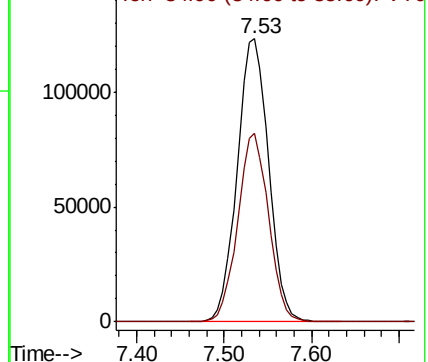
Ion Ratio Lower Upper

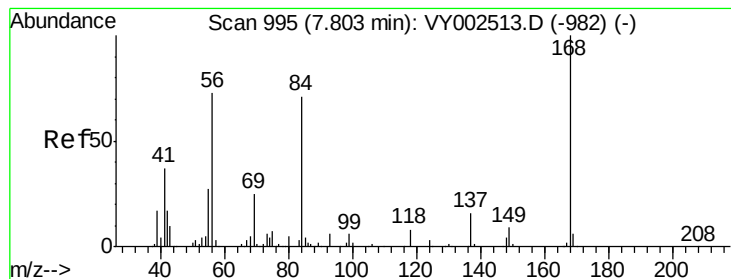
83 100

85 66.8 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 49.165 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampled :

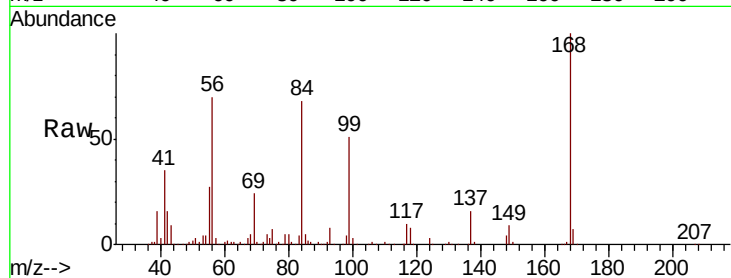
Tot Ion: 56 Resp: 280805

Ion Ratio Lower Upper

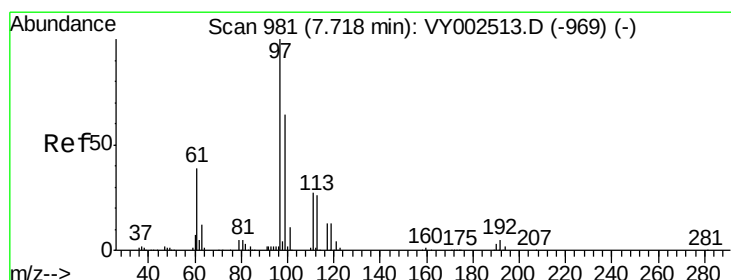
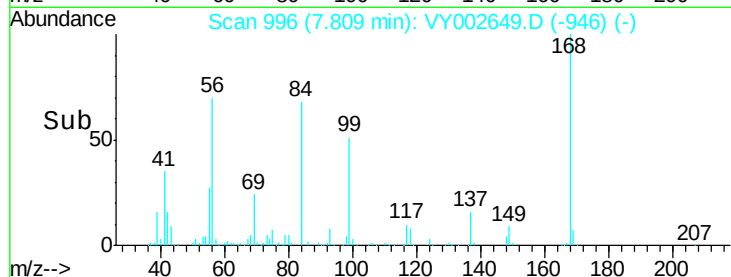
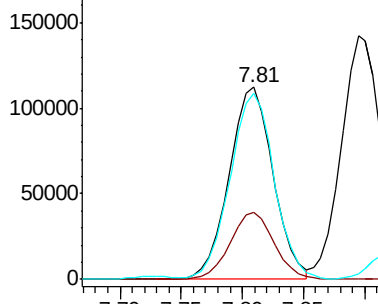
56 100

69 34.6 27.6 41.4

84 95.5 77.7 116.5



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: 52.100 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

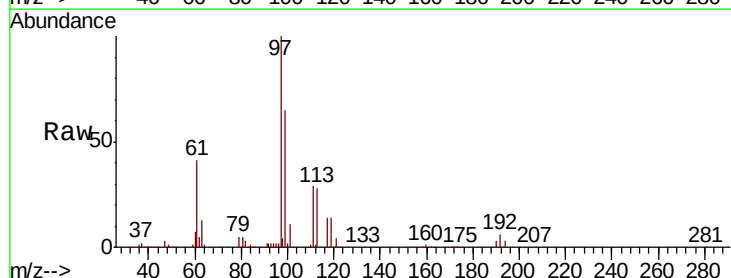
Tgt Ion: 97 Resp: 285702

Ion Ratio Lower Upper

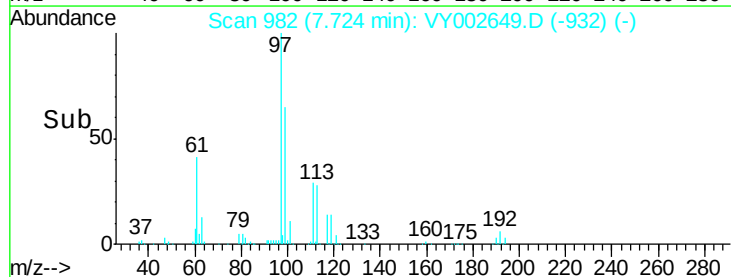
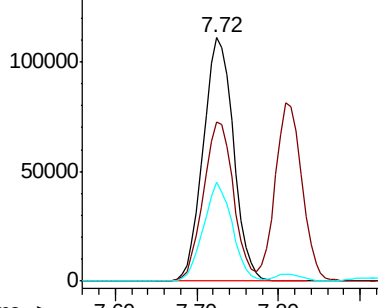
97 100

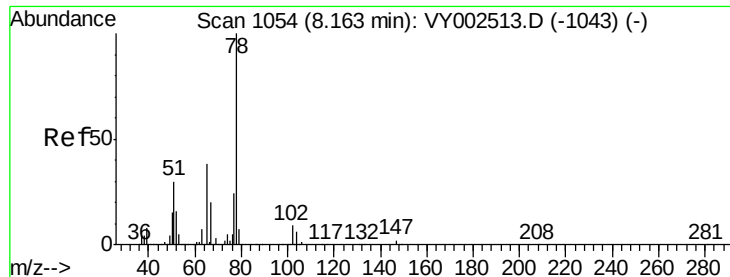
99 64.8 51.9 77.9

61 38.3 31.0 46.6



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0

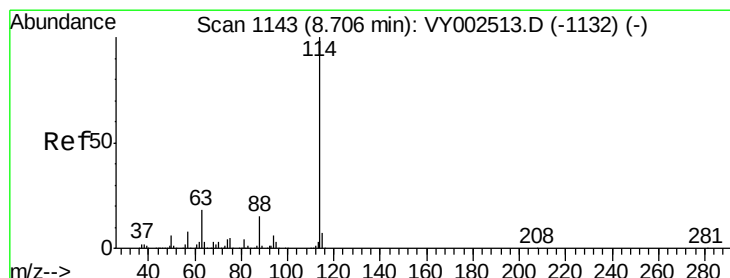
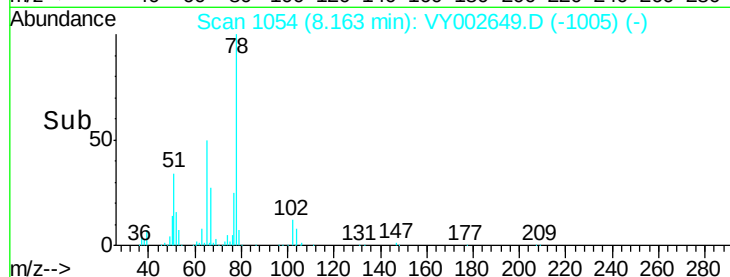
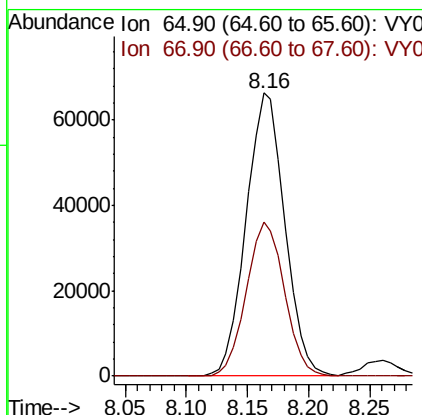
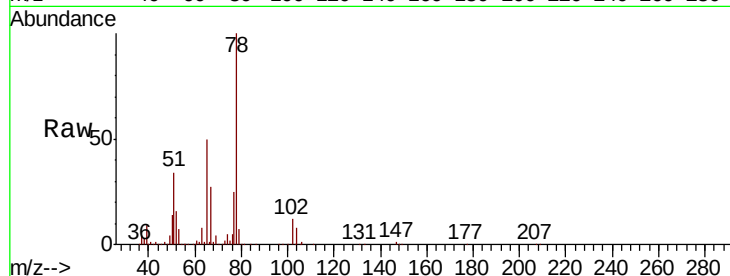




#33
 1,2-Dichloroethane-d4
 Concen: 45.936 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

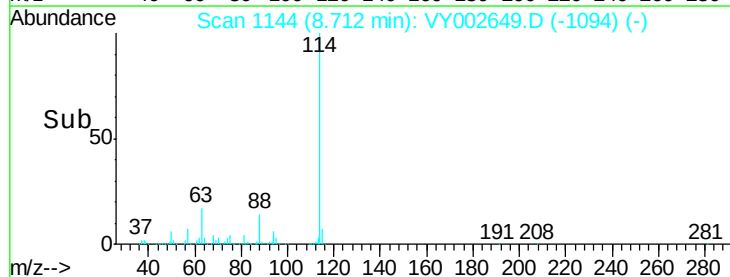
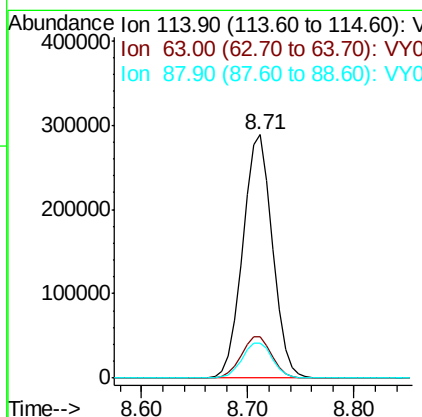
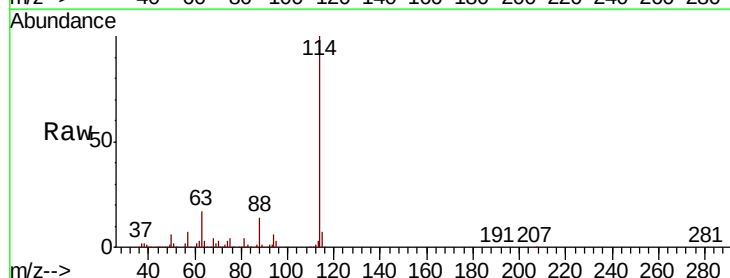
Instrument :
 MSVOA_Y
 ClientSampleId :

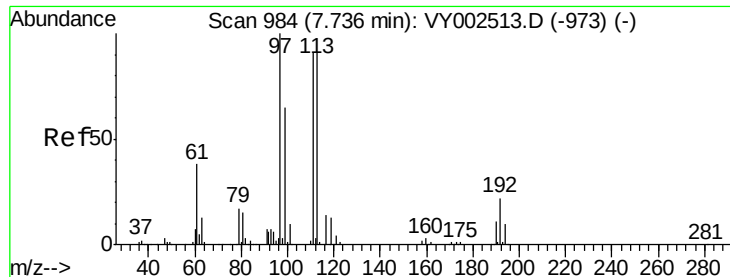
Tot Ion: 65 Resp: 145970
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion: 114 Resp: 565178
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 36.4
 88 14.4 0.0 29.6

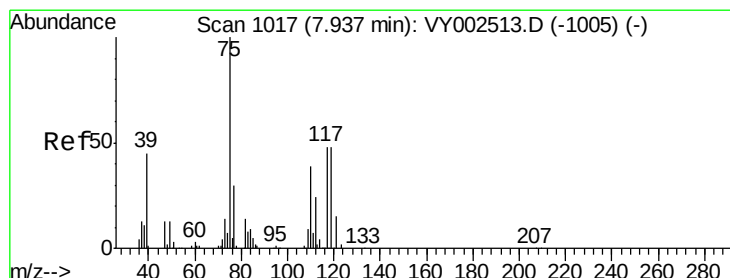
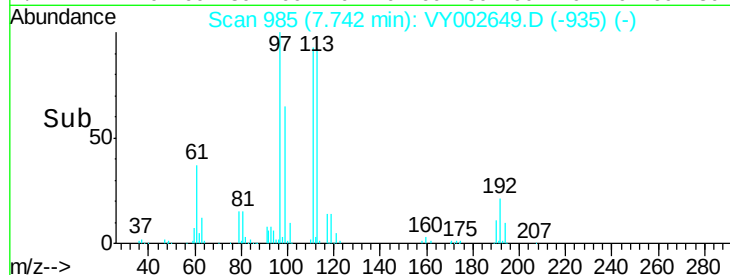
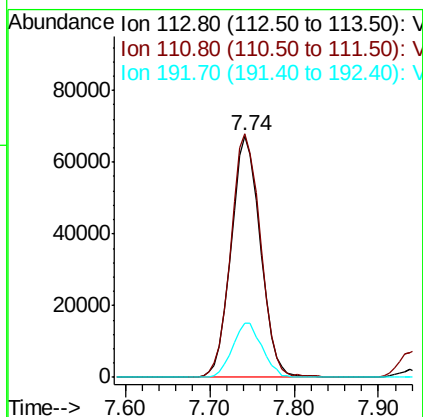
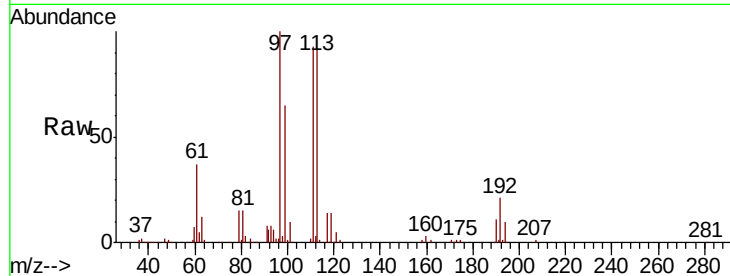




#35
 Dibromofluoromethane
 Concen: 48.779 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

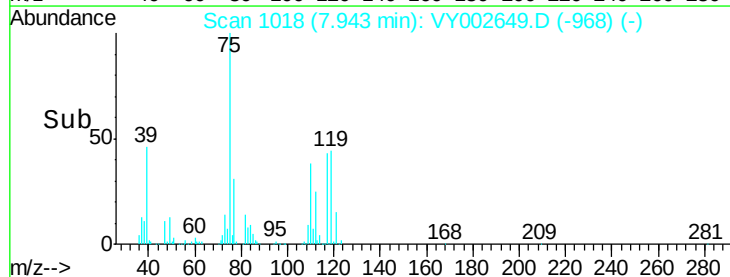
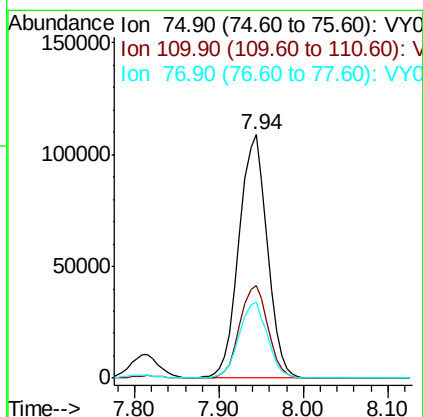
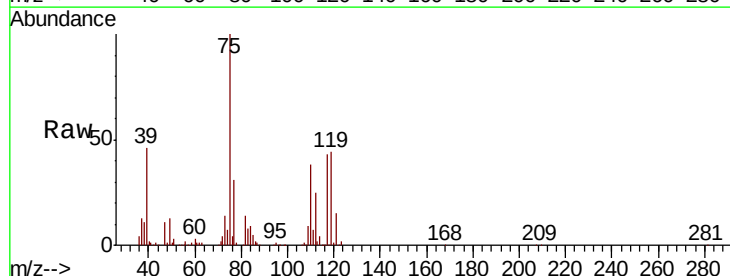
Instrument :
 MSVOA_Y
 ClientSampleId :

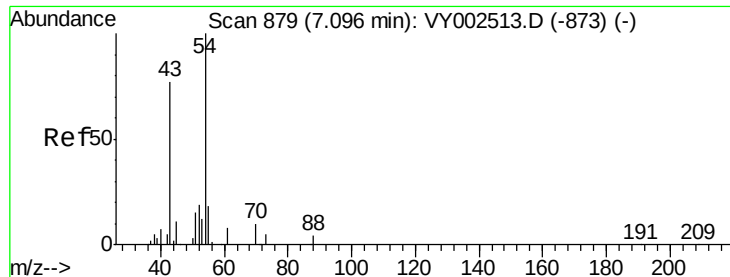
Tot Ion:113 Resp: 157668
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.8 122.6
 192 22.8 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 52.126 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion: 75 Resp: 246968
 Ion Ratio Lower Upper
 75 100
 110 38.0 19.1 57.3
 77 31.5 24.6 37.0

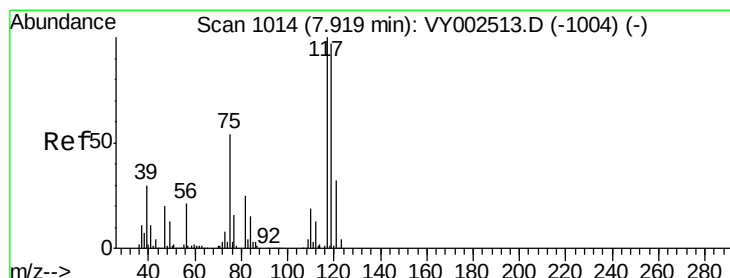
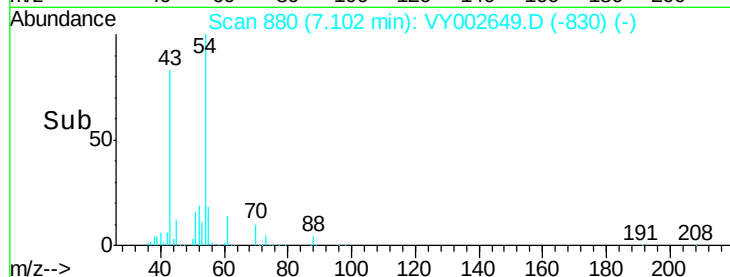
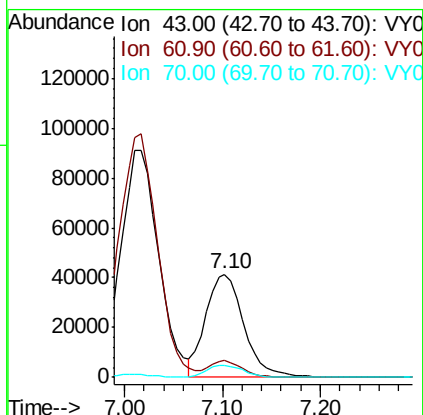
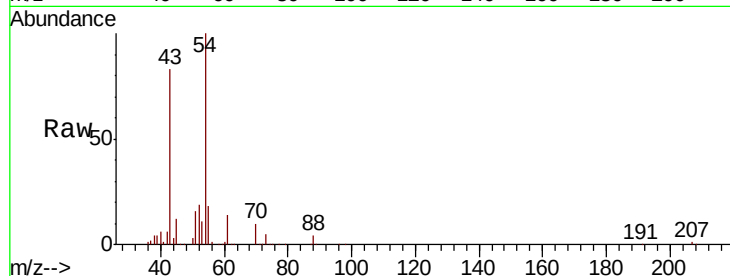




#37
Ethyl Acetate
Concen: 45.948 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

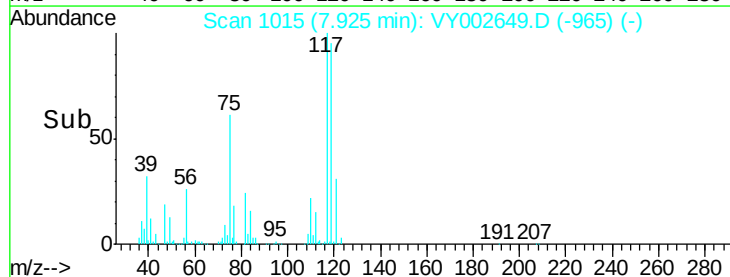
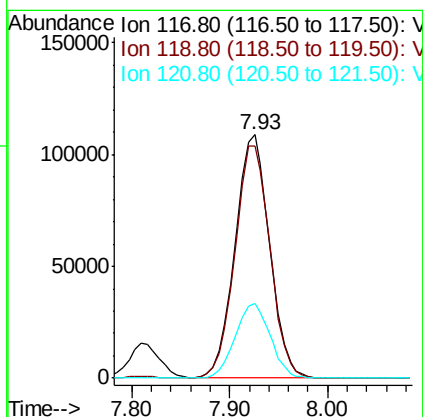
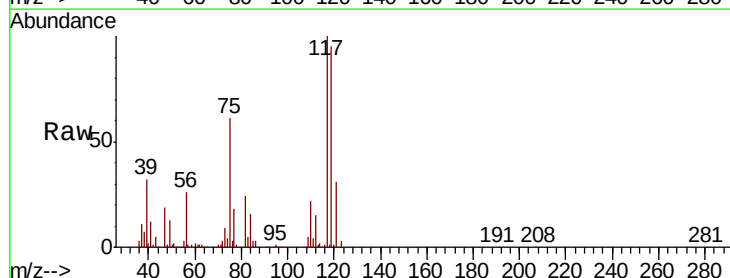
Instrument :
MSVOA_Y
ClientSampleId :

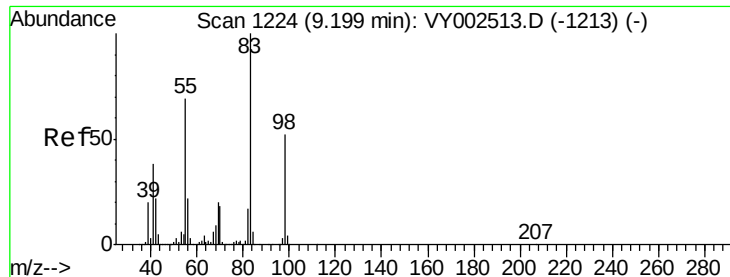
Tot Ion: 43 Resp: 111871
Ion Ratio Lower Upper
43 100
61 14.9 11.6 17.4
70 11.5 9.0 13.6



#38
Carbon Tetrachloride
Concen: 51.569 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion: 117 Resp: 266750
Ion Ratio Lower Upper
117 100
119 95.2 77.1 115.7
121 30.6 25.2 37.8

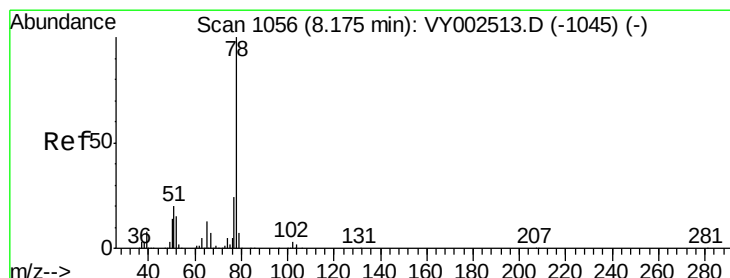
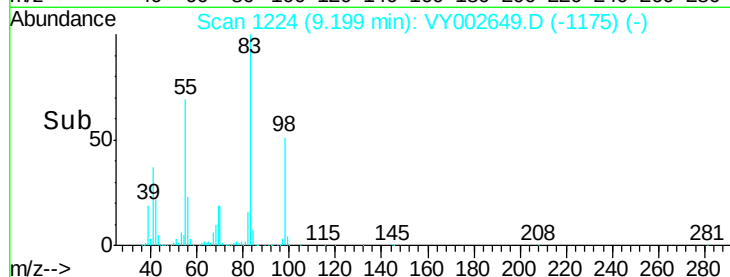
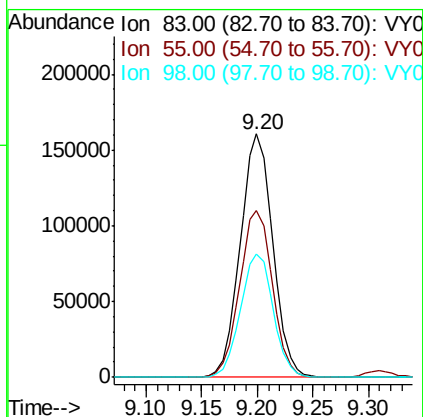
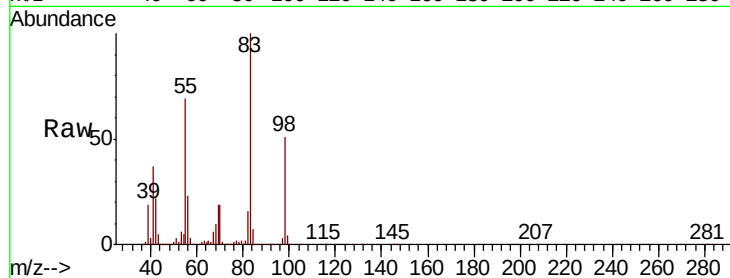




#39
Methylvlcyclohexane
Concen: 52.095 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

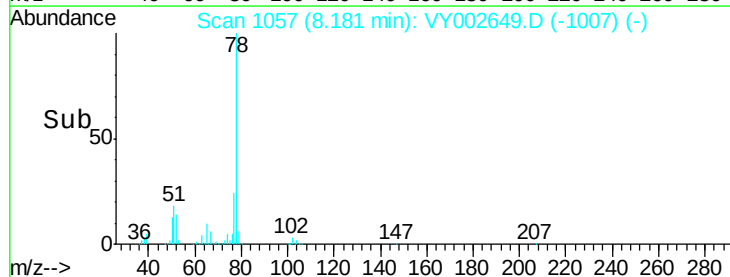
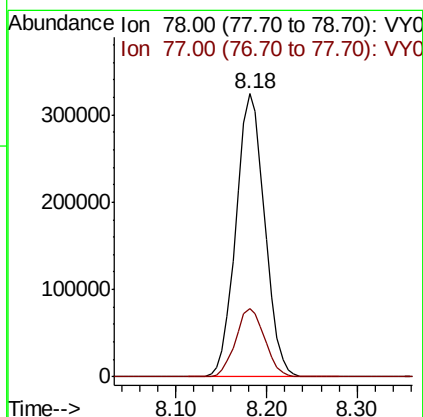
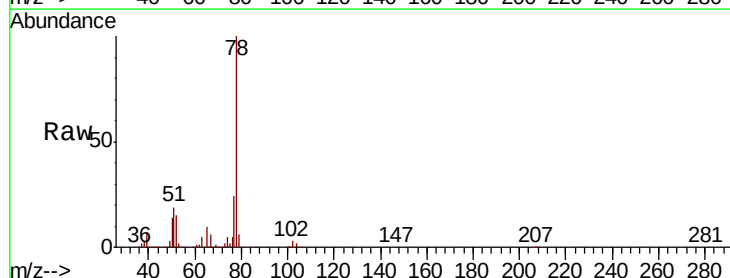
Instrument :
MSVOA_Y
ClientSampleId :

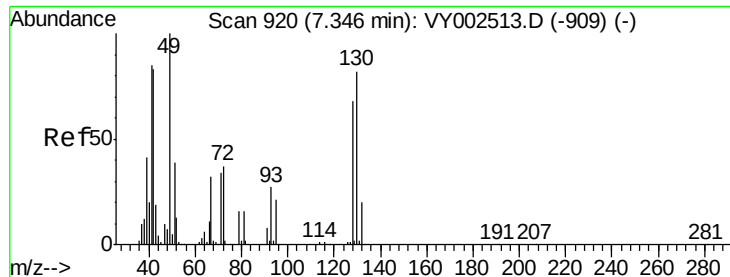
Tot Ion: 83 Resp: 326007
Ion Ratio Lower Upper
83 100
55 68.5 55.4 83.0
98 50.8 41.3 61.9



#40
Benzene
Concen: 51.968 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion: 78 Resp: 711143
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8

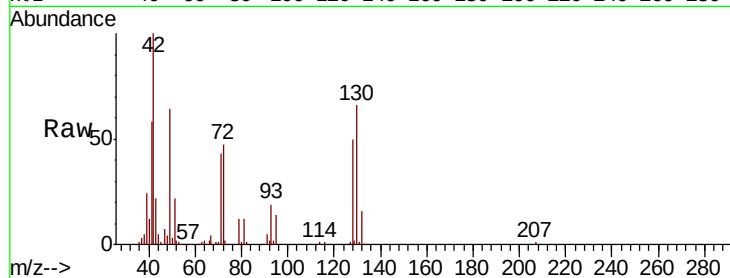




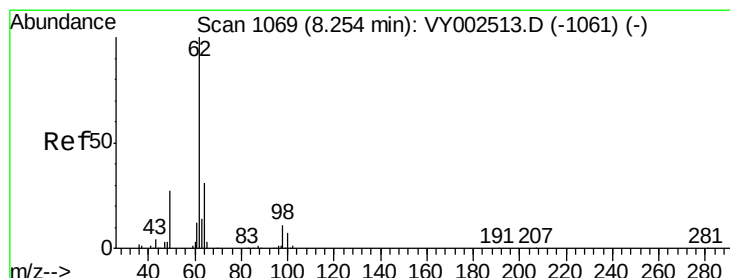
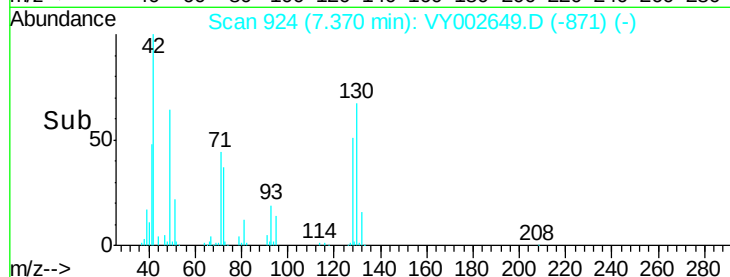
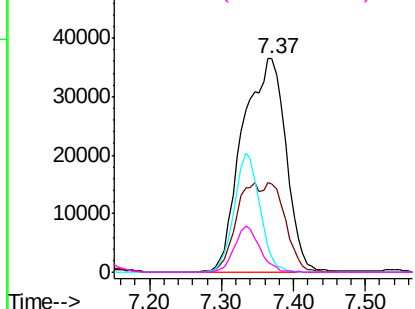
#41
Methacrylonitrile
Concen: 117.357 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.02 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	41	Resp:	153629
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

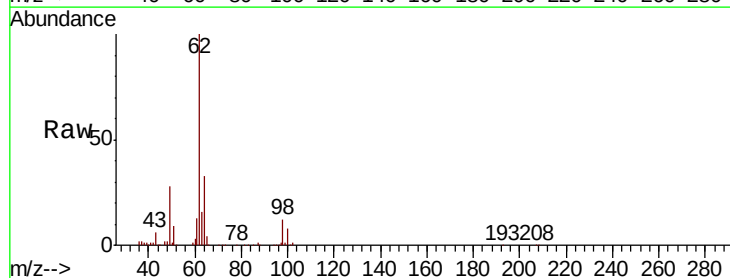


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

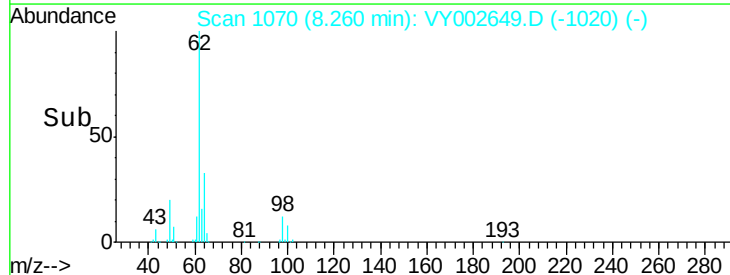
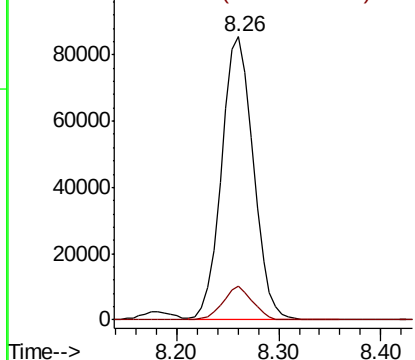


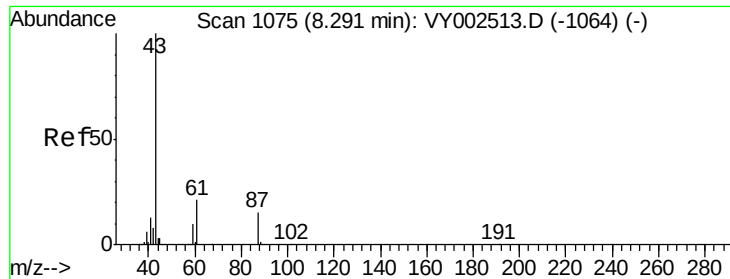
#42
1,2-Dichloroethane
Concen: 48.082 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion:	62	Resp:	184560
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.0



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





#43

Isopropyl Acetate

Concen: 48.187 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampled :

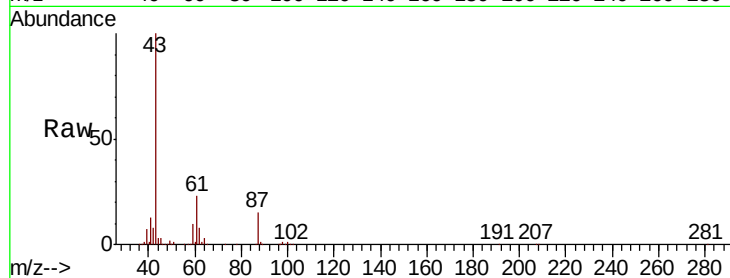
Tot Ion: 43 Resp: 219946

Ion Ratio Lower Upper

43 100

61 31.4 24.8 37.2

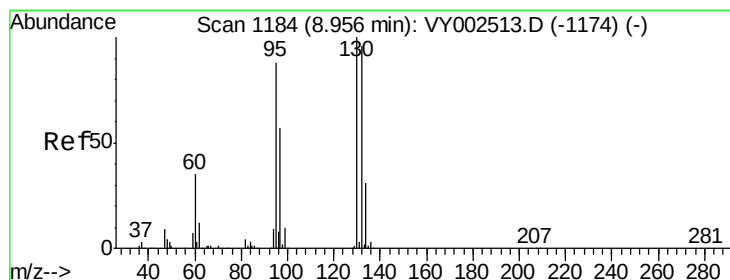
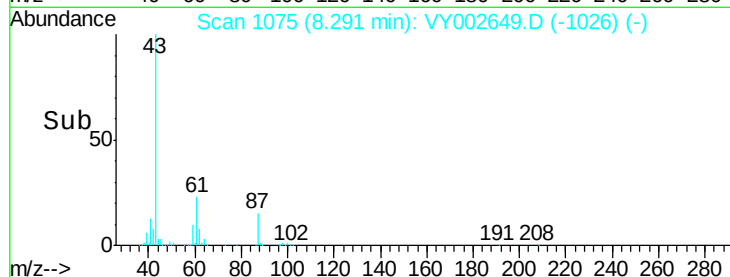
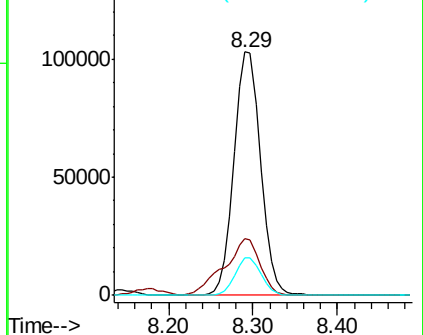
87 15.3 12.2 18.2



Abundance Ion 43.00 (42.70 to 43.70): VY002649.D (-1026) (-)

Ion 61.00 (60.70 to 61.70): VY002649.D (-1026) (-)

Ion 87.00 (86.70 to 87.70): VY002649.D (-1026) (-)



#44

Trichloroethene

Concen: 53.427 ug/l

RT: 8.96 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VY002649.D

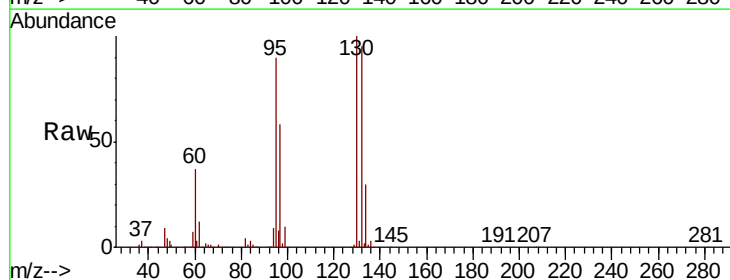
Acq: 08 May 2020 18:18

Tgt Ion:130 Resp: 228480

Ion Ratio Lower Upper

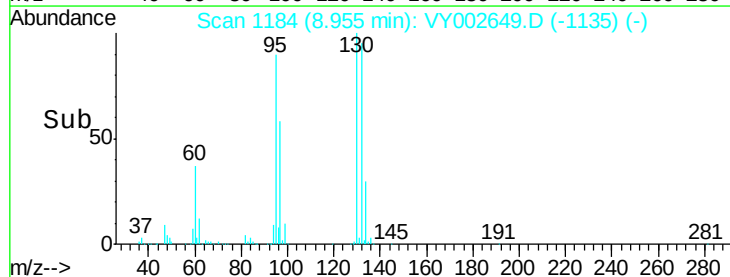
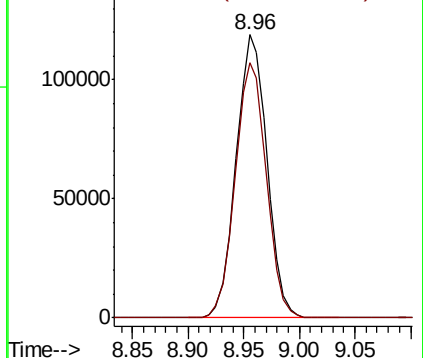
130 100

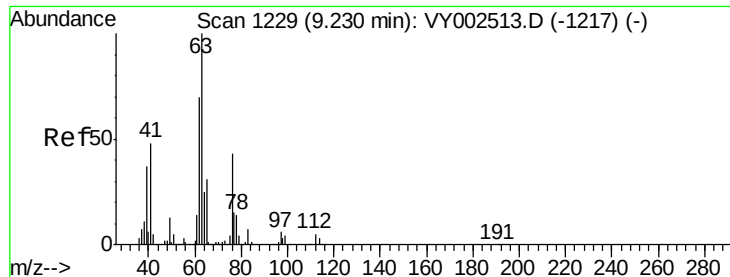
95 90.4 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): VY002649.D (-1135) (-)

Ion 94.90 (94.60 to 95.60): VY002649.D (-1135) (-)





#45

1,2-Dichloropropane

Concen: 51.813 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

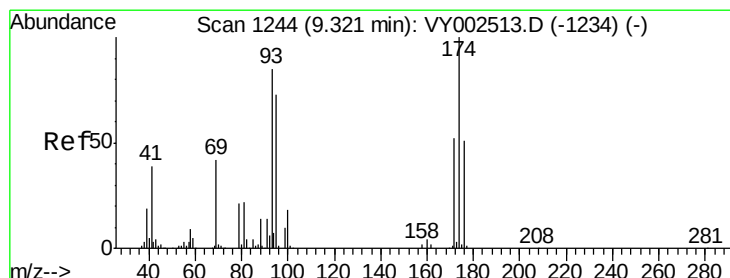
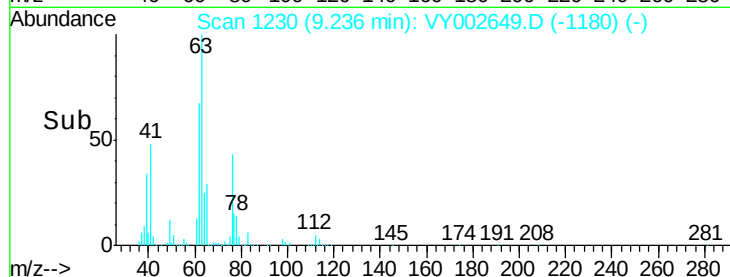
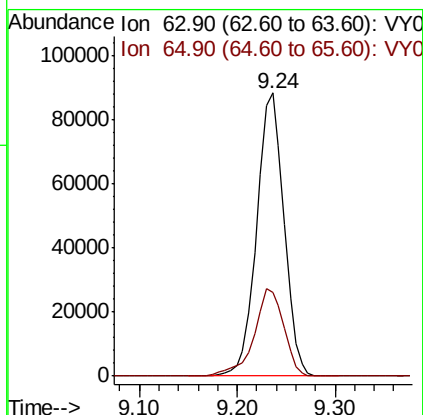
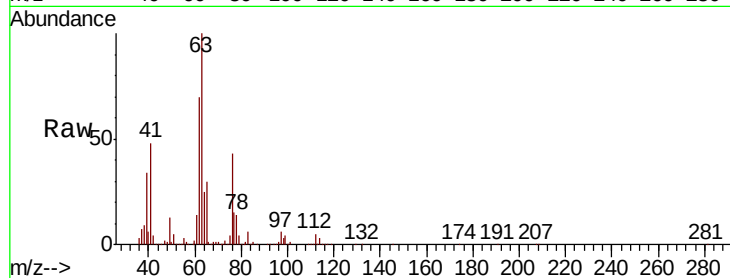
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 63 Resp: 171120

Ion Ratio Lower Upper

63 100

65 29.7 24.5 36.7



#46

Dibromomethane

Concen: 48.995 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

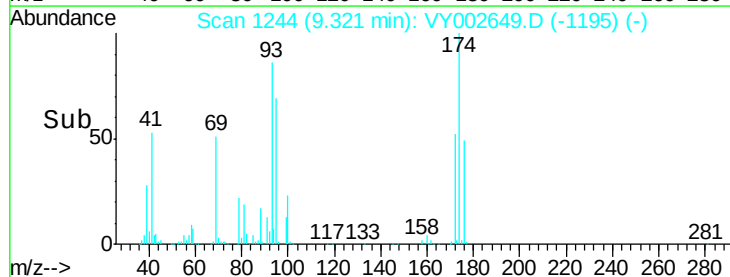
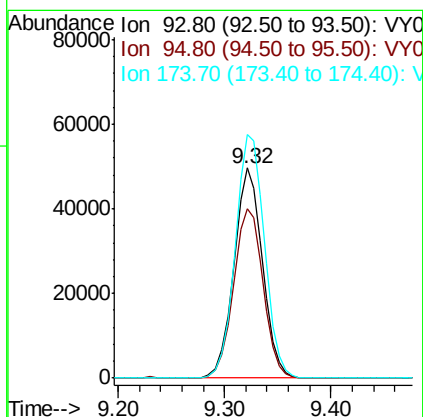
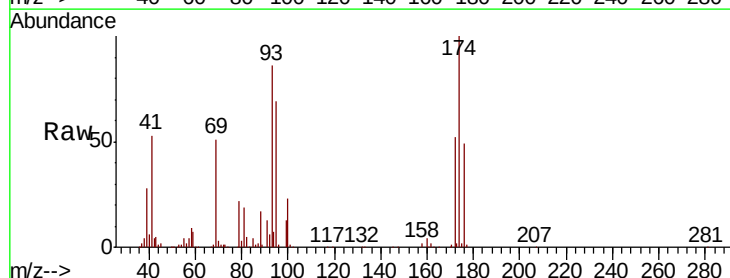
Tgt Ion: 93 Resp: 93099

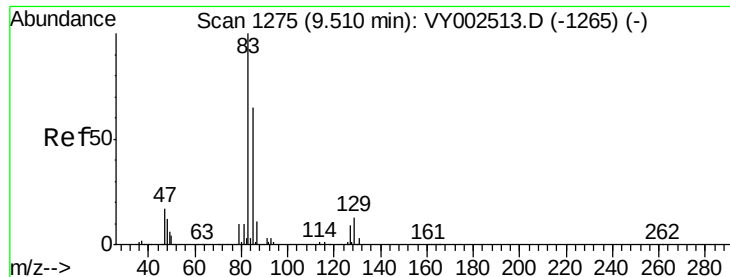
Ion Ratio Lower Upper

93 100

95 83.1 67.0 100.4

174 118.8 92.7 139.1





#47

Bromodichloromethane

Concen: 51.463 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

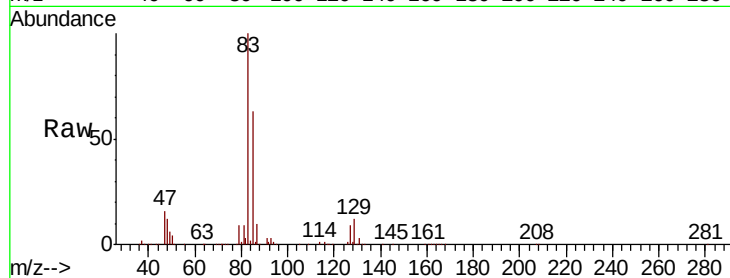
Tot Ion: 83 Resp: 237778

Ion Ratio Lower Upper

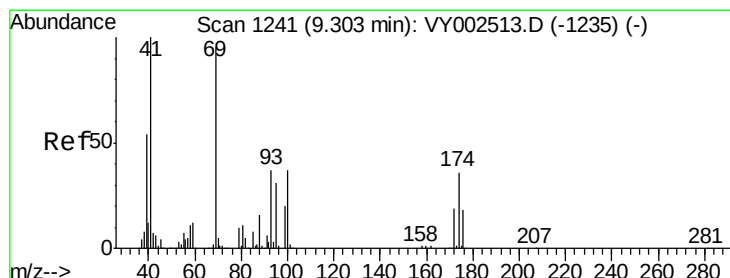
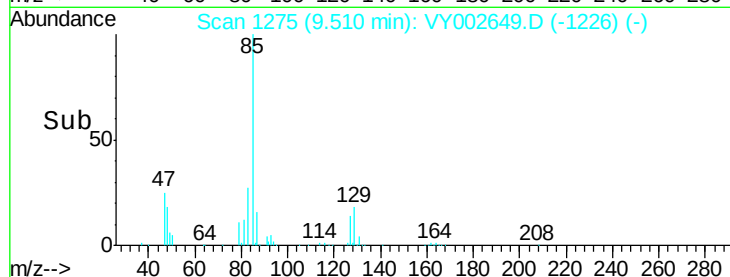
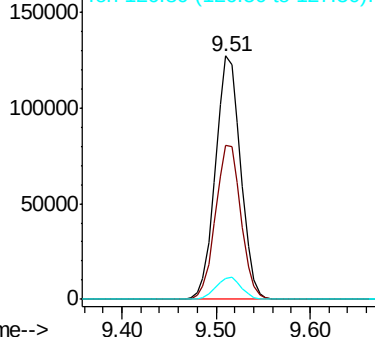
83 100

85 63.3 51.8 77.8

127 8.8 7.4 11.0



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): VY0



#48

Methyl methacrylate

Concen: 48.221 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

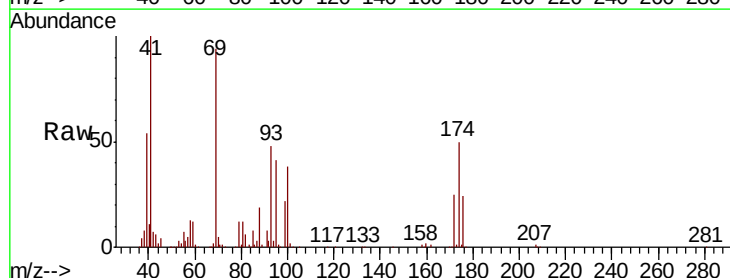
Tgt Ion: 41 Resp: 99611

Ion Ratio Lower Upper

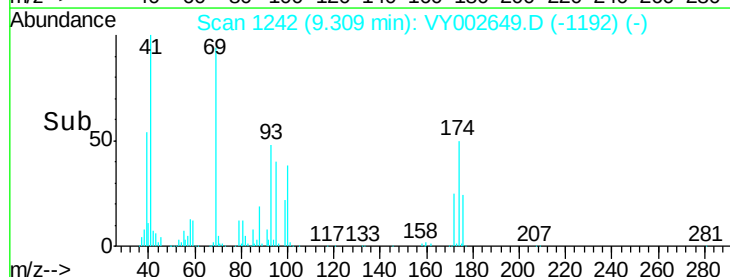
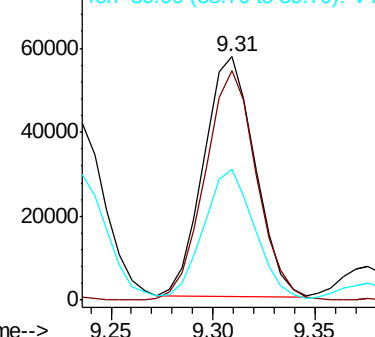
41 100

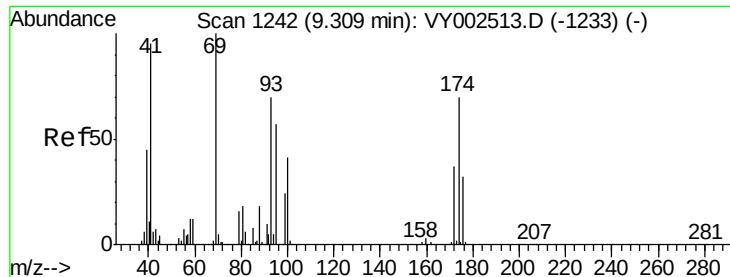
69 96.2 76.2 114.4

39 52.4 42.7 64.1



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

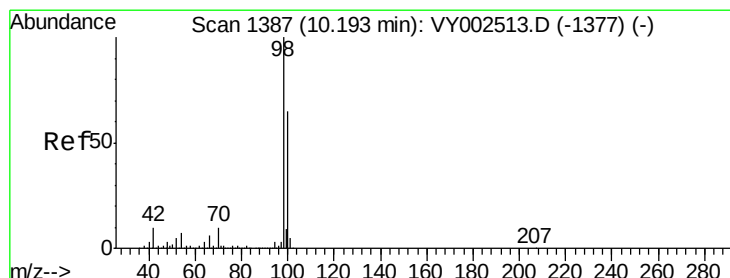
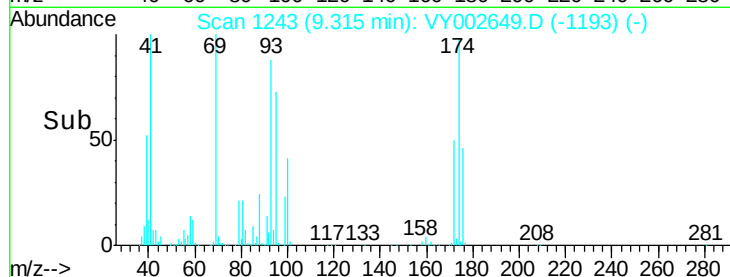
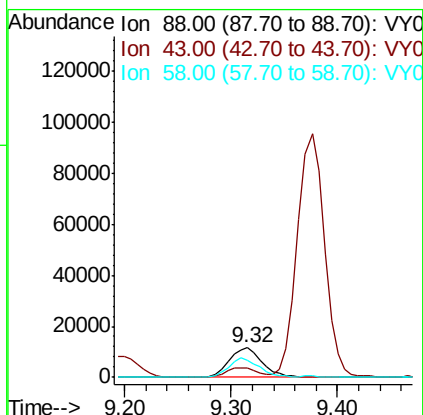
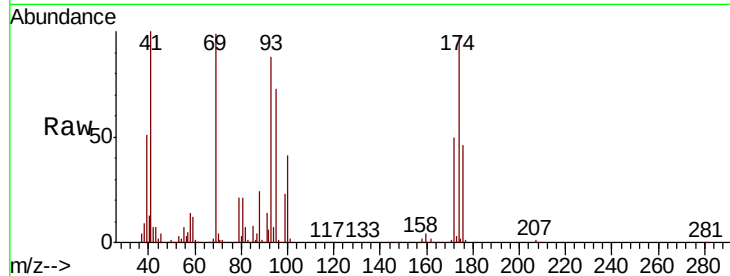




#49
1,4-Dioxane
Concen: 1005.081 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

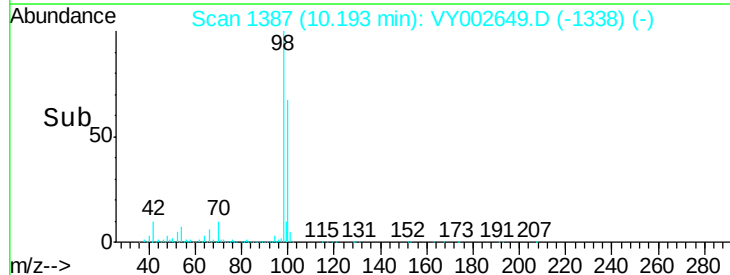
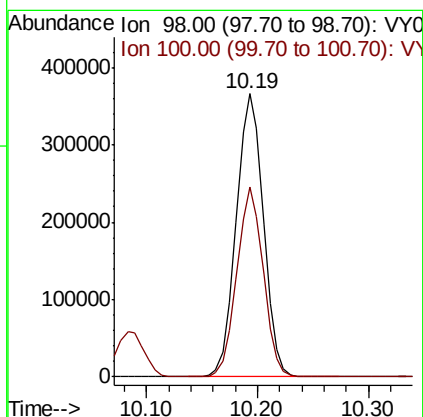
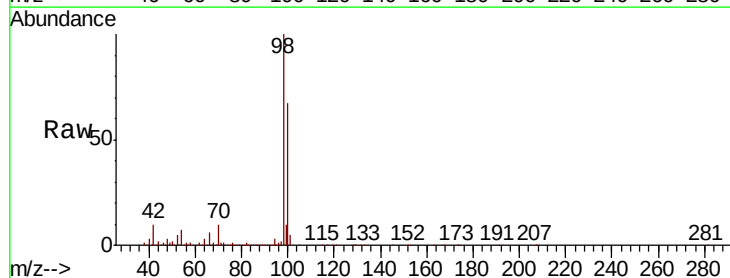
Instrument :
MSVOA_Y
ClientSampleId :

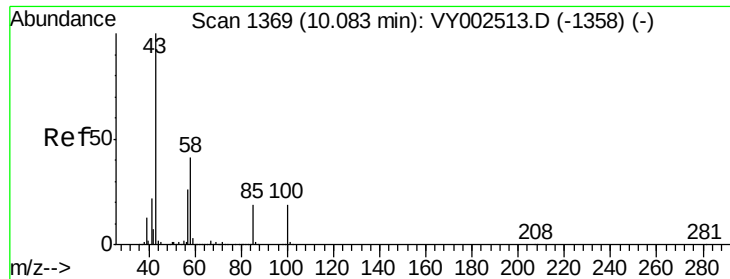
Tot Ion: 88 Resp: 25287
Ion Ratio Lower Upper
88 100
43 28.6 22.8 34.2
58 62.3 51.4 77.2



#50
Toluene-d8
Concen: 48.831 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion: 98 Resp: 616369
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2

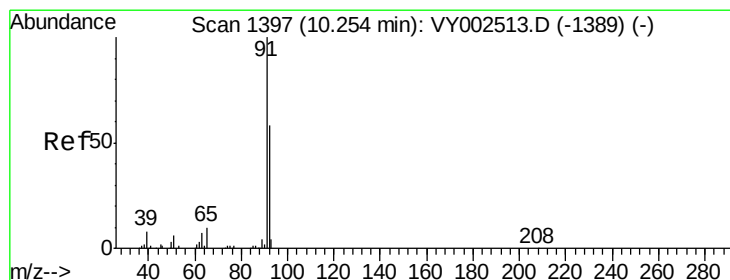
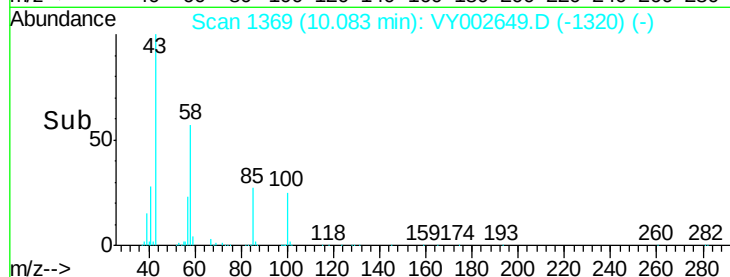
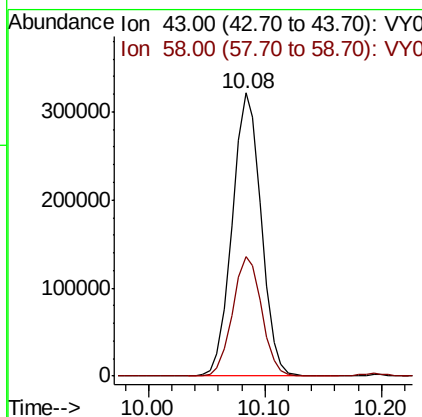
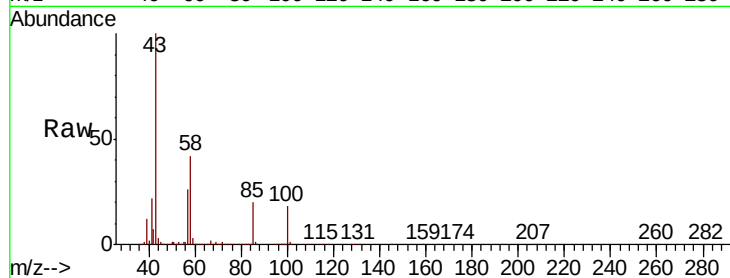




#51
4-Methyl-2-Pentanone
Concen: 236.267 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

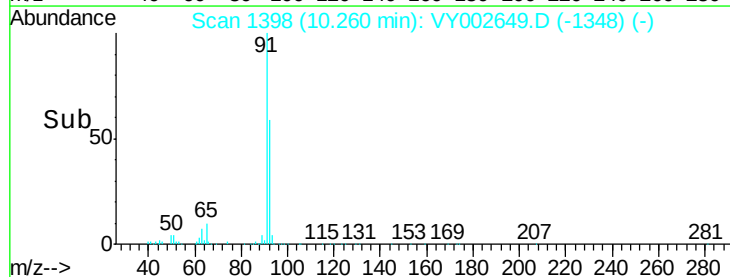
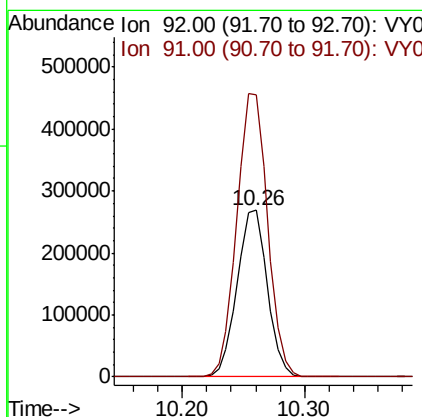
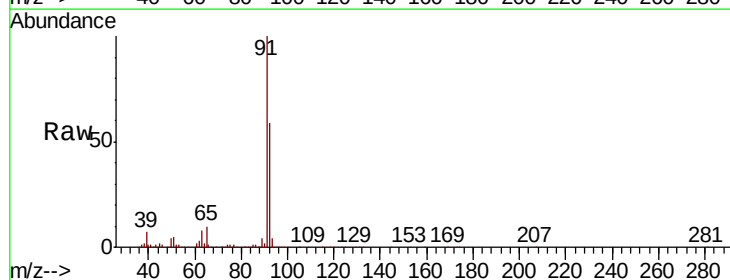
Instrument :
MSVOA_Y
ClientSampleId :

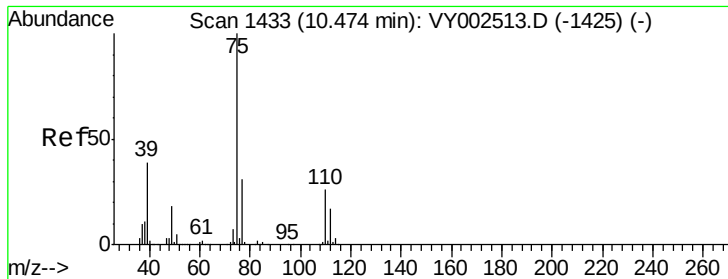
Tot Ion: 43 Resp: 555856
Ion Ratio Lower Upper
43 100
58 42.5 33.2 49.8



#52
Toluene
Concen: 52.349 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion: 92 Resp: 460383
Ion Ratio Lower Upper
92 100
91 173.0 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 50.578 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

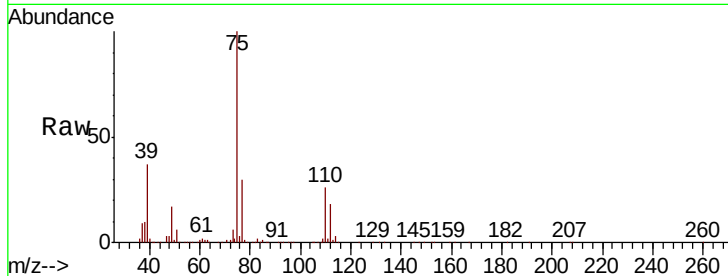
ClientSampleId :

Tot Ion: 75 Resp: 244849

Ion Ratio Lower Upper

75 100

77 30.4 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.48

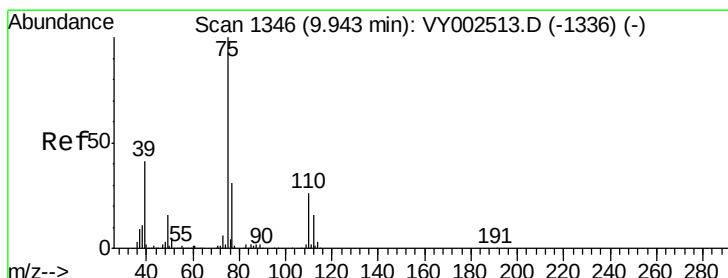
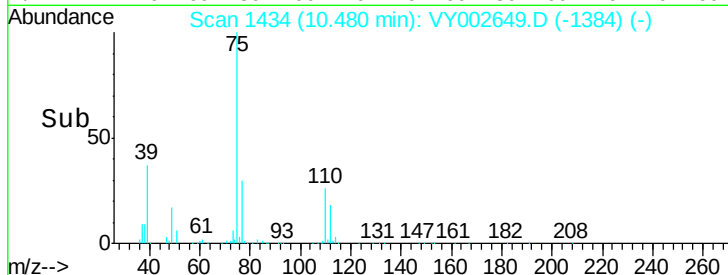
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.314 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

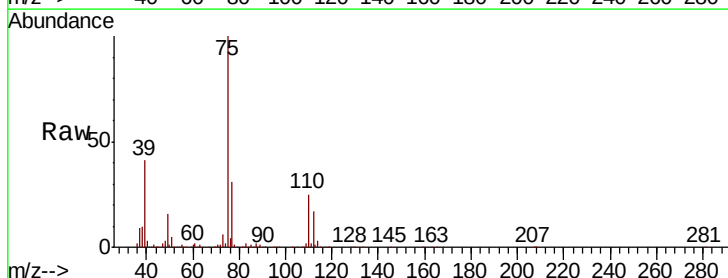
Tgt Ion: 75 Resp: 287177

Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

39 40.8 32.7 49.1



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

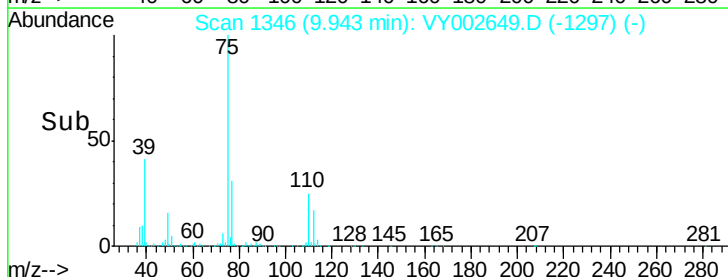
150000

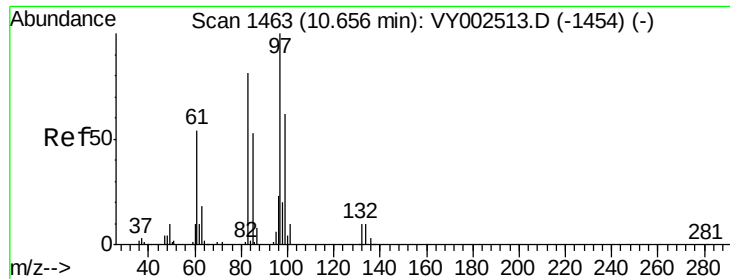
100000

50000

0

Time-->

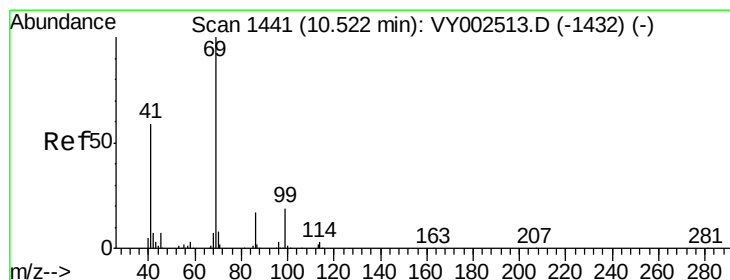
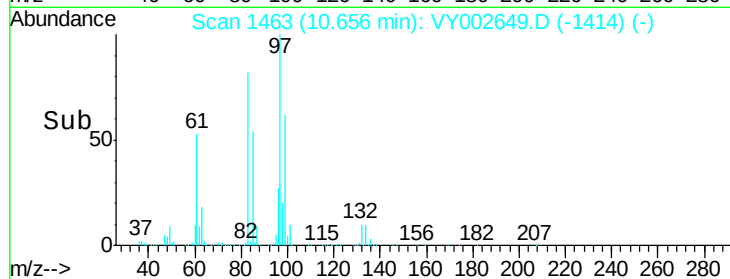
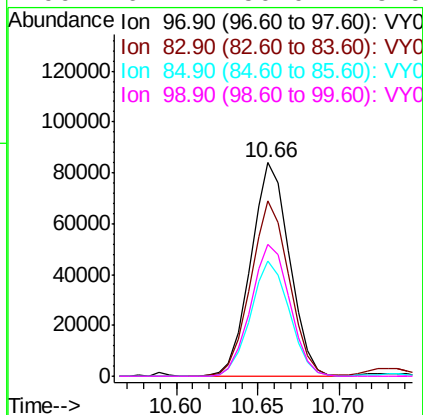
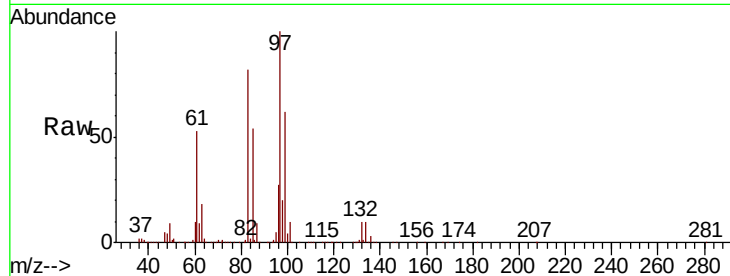




#55
 1,1,2-Trichloroethane
 Concen: 50.129 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

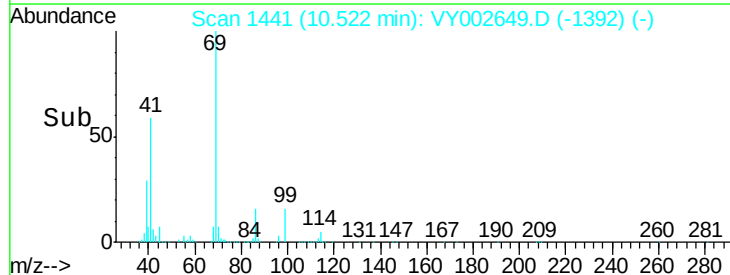
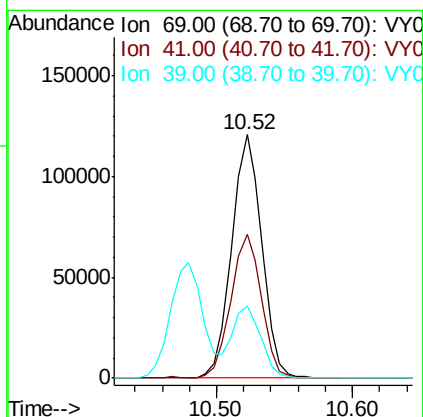
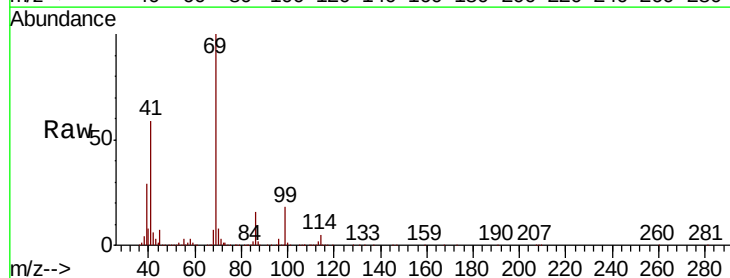
Instrument :
 MSVOA_Y
 ClientSampleId :

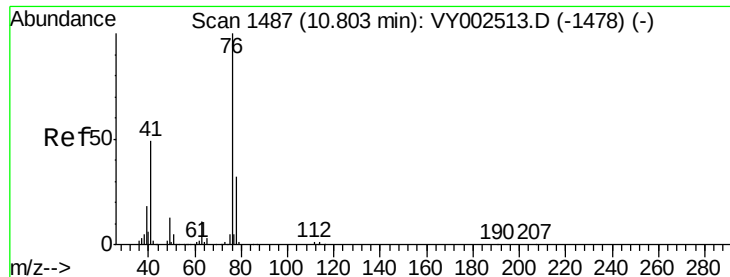
Tot Ion:	97	Resp:	138907
Ion	Ratio	Lower	Upper
97	100		
83	82.0	65.1	97.7
85	53.6	42.7	64.1
99	61.7	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 50.228 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion:	69	Resp:	185155
Ion	Ratio	Lower	Upper
69	100		
41	59.7	48.6	73.0
39	27.7	25.0	37.4





#57

1,3-Dichloropropane

Concen: 49.513 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

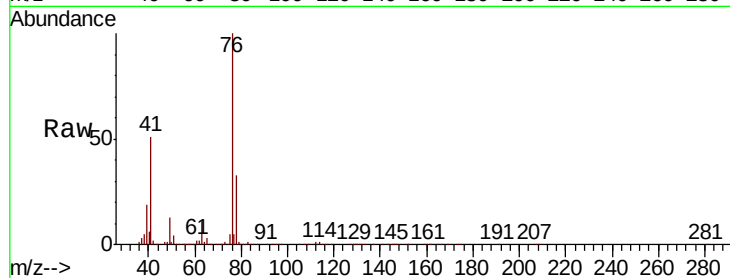
ClientSampleId :

Tot Ion: 76 Resp: 232673

Ion Ratio Lower Upper

76 100

78 32.6 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.80

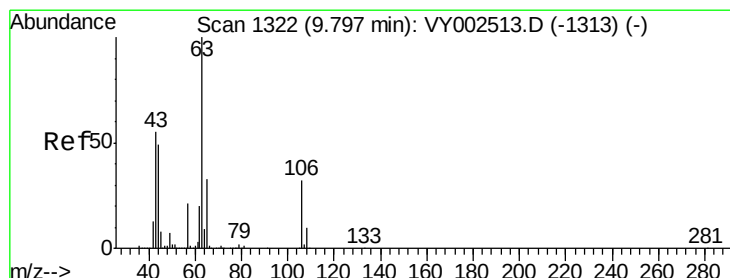
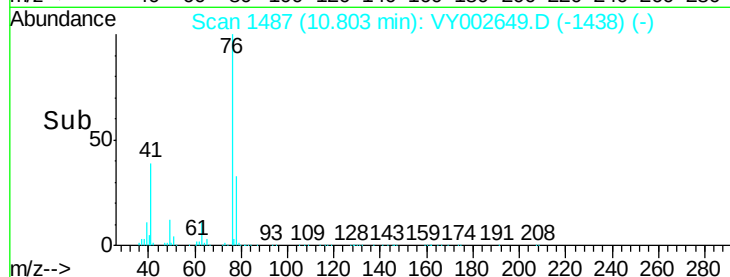
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 237.406 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VY002649.D

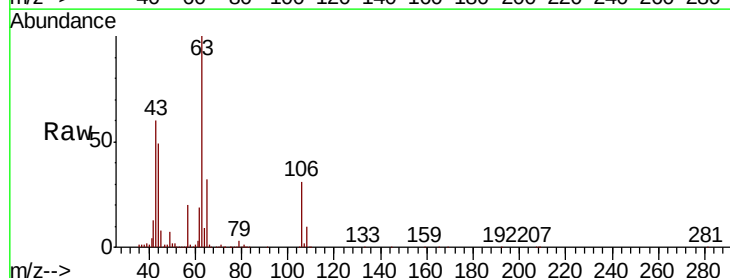
Acq: 08 May 2020 18:18

Tgt Ion: 63 Resp: 461514

Ion Ratio Lower Upper

63 100

106 31.7 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.80

300000

250000

200000

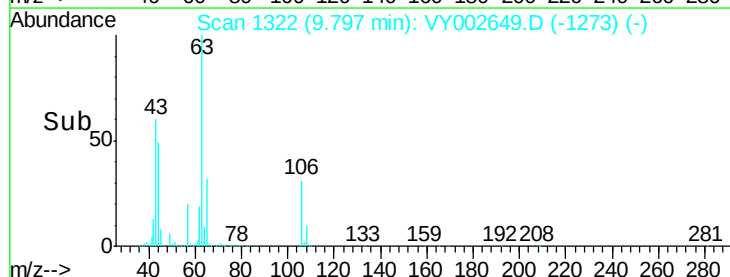
150000

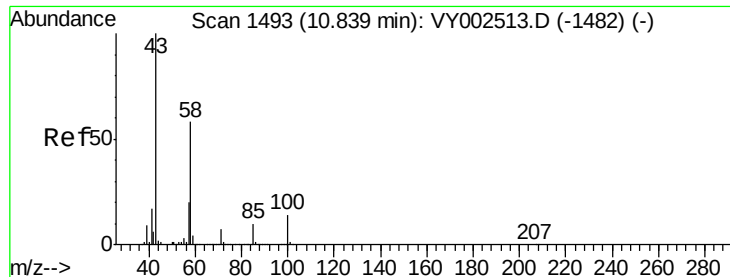
100000

50000

0

Time-->





#59

2-Hexanone

Concen: 237.737 ug/l

RT: 10.85 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

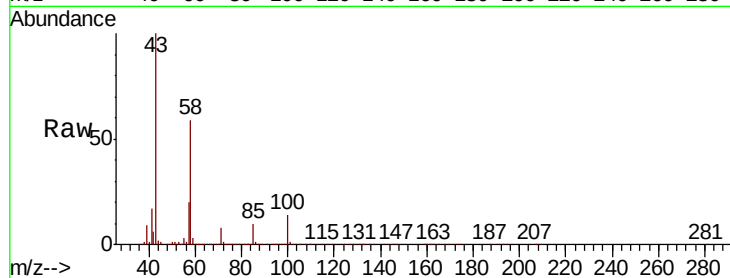
ClientSampleId :

Tot Ion: 43 Resp: 384959

Ion Ratio Lower Upper

43 100

58 58.8 29.1 87.3



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-1482) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-1482) (-)

10.85

250000

200000

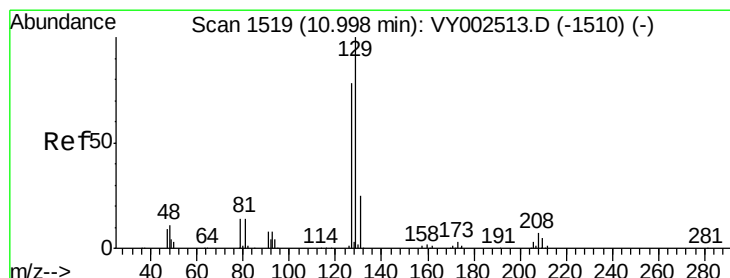
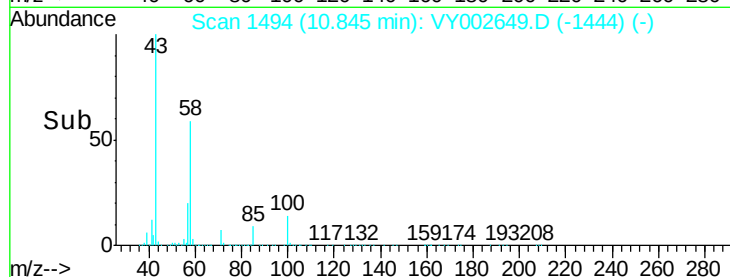
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 50.423 ug/l

RT: 11.00 min Scan# 1519

Delta R.T. -0.00 min

Lab File: VY002649.D

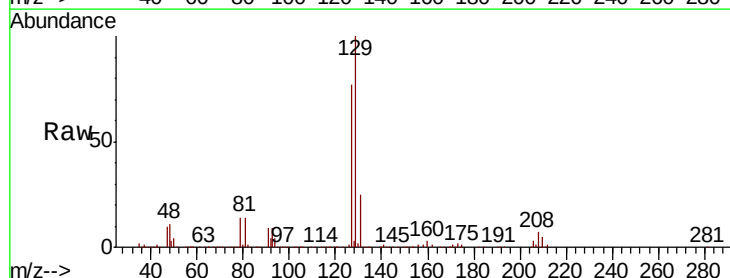
Acq: 08 May 2020 18:18

Tgt Ion: 129 Resp: 177709

Ion Ratio Lower Upper

129 100

127 77.4 39.0 117.0



Abundance Ion 128.80 (128.50 to 129.50): VY002513.D (-1510) (-)

Ion 126.80 (126.50 to 127.50): VY002513.D (-1510) (-)

11.00

120000

100000

80000

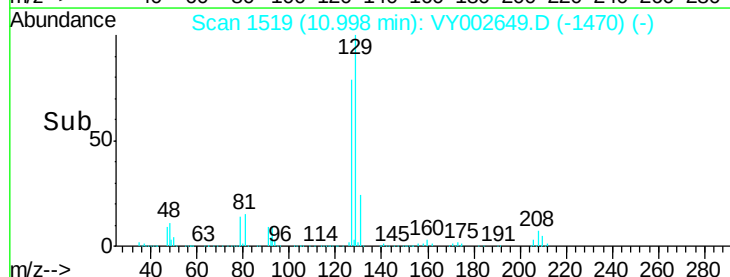
60000

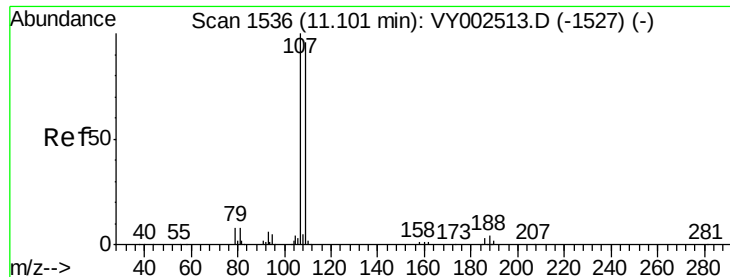
40000

20000

0

Time-->

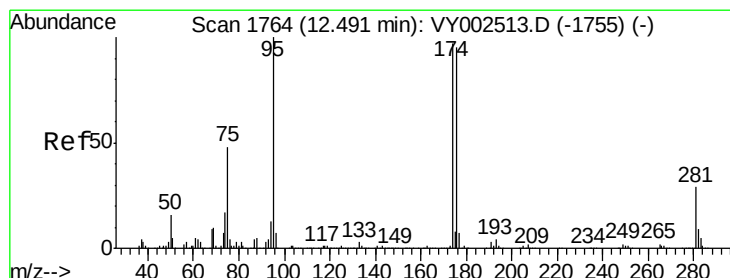
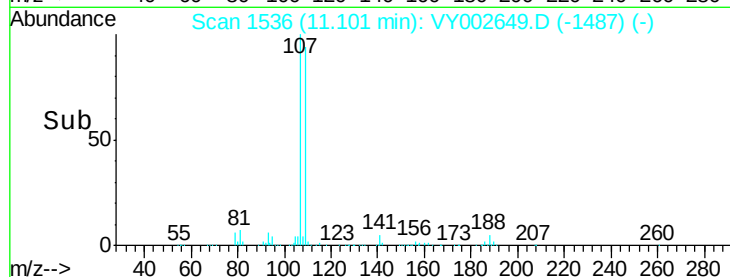
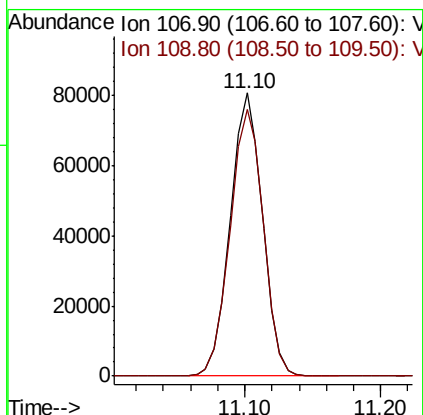
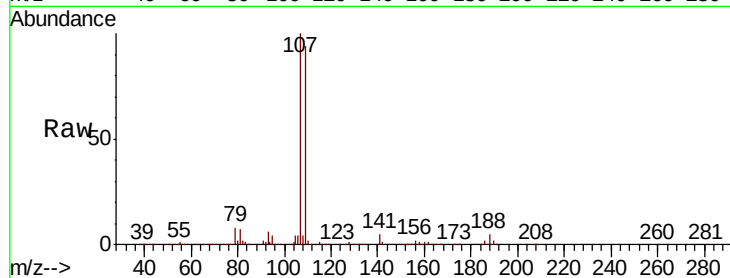




#61
 1,2-Dibromoethane
 Concen: 48.547 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

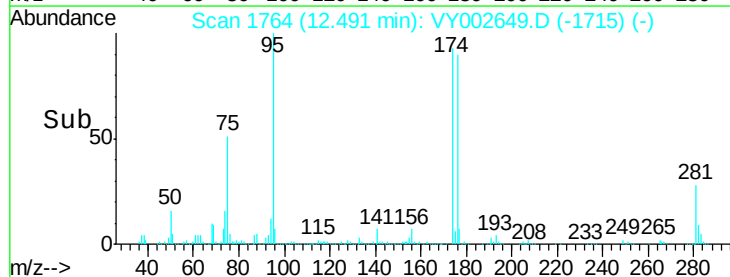
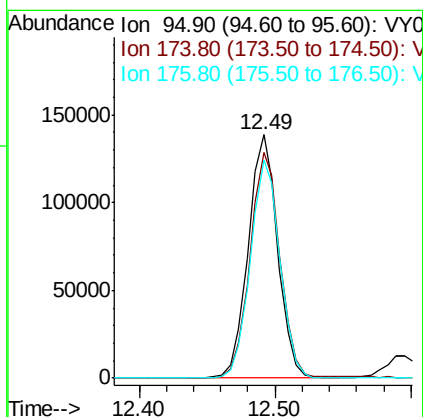
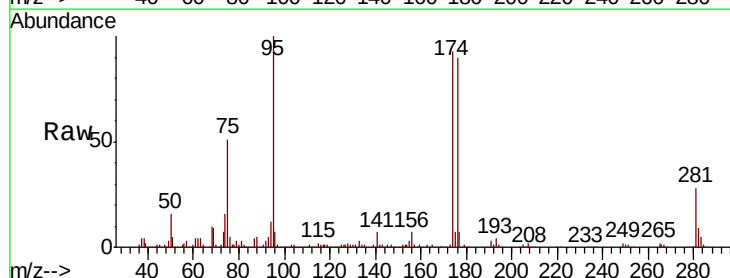
Instrument :
 MSVOA_Y
 ClientSampleId :

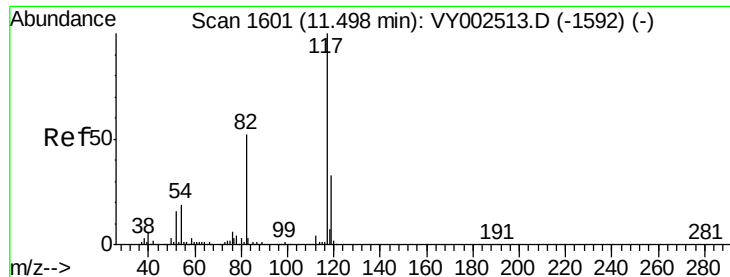
Tot Ion:107 Resp: 133201
 Ion Ratio Lower Upper
 107 100
 109 96.8 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 48.813 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion: 95 Resp: 209071
 Ion Ratio Lower Upper
 95 100
 174 93.9 0.0 188.8
 176 90.5 0.0 183.2

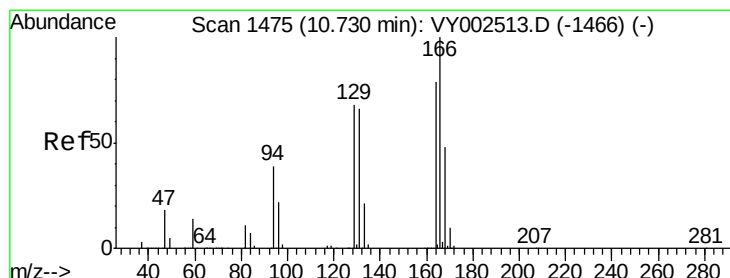
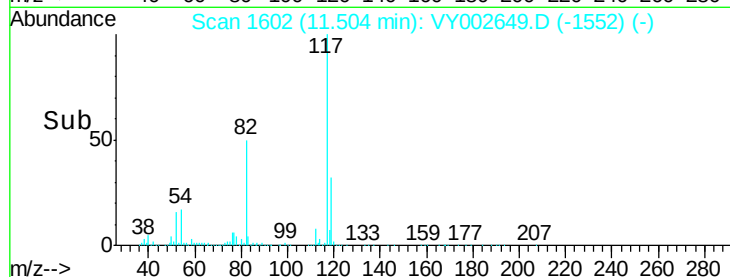
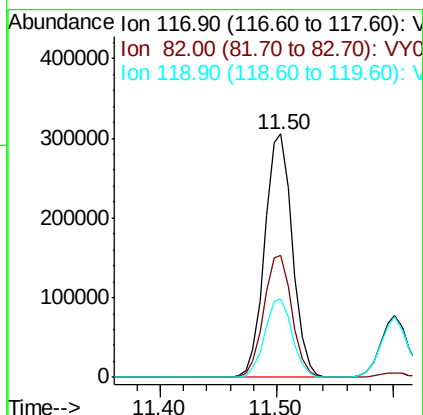
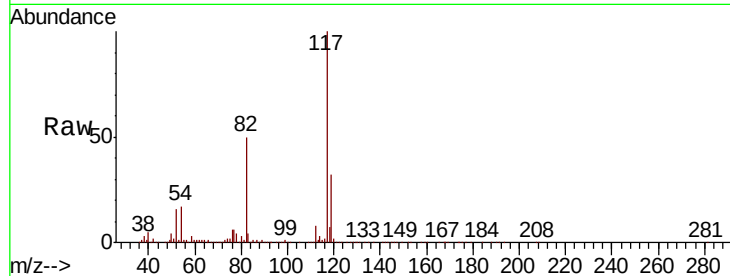




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

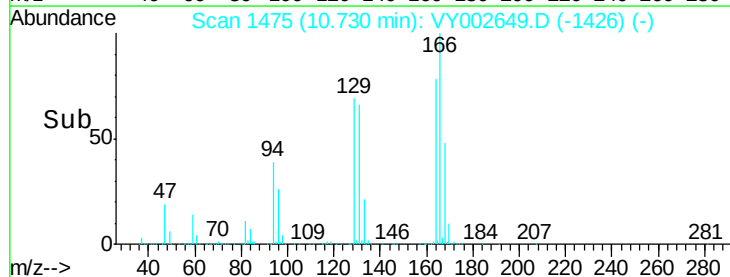
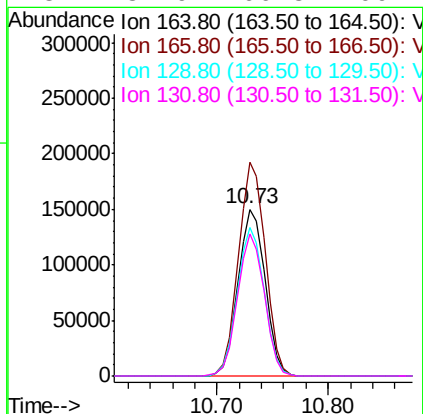
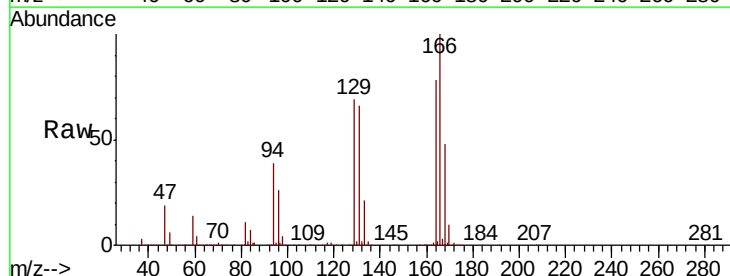
Instrument :
MSVOA_Y
ClientSampleId :

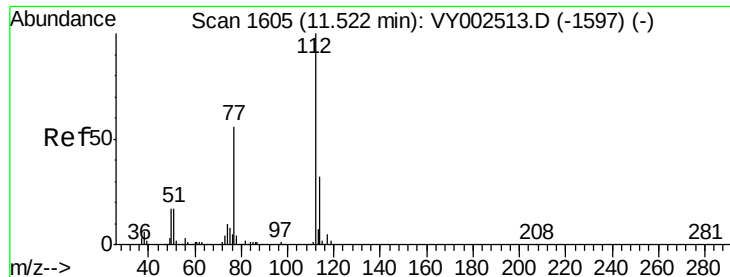
Tot Ion:117 Resp: 503277
Ion Ratio Lower Upper
117 100
82 50.3 41.3 61.9
119 32.4 26.0 39.0



#64
Tetrachloroethene
Concen: 56.488 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion:164 Resp: 252592
Ion Ratio Lower Upper
164 100
166 128.3 100.7 151.1
129 88.7 68.3 102.5
131 84.9 66.8 100.2

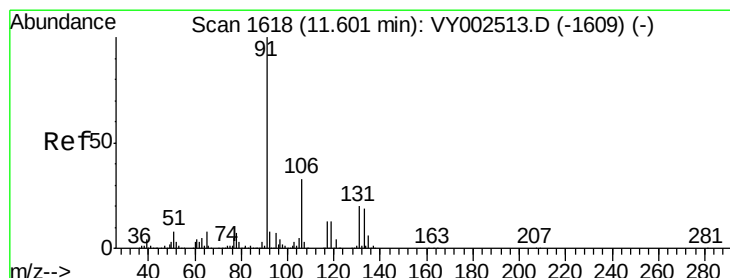
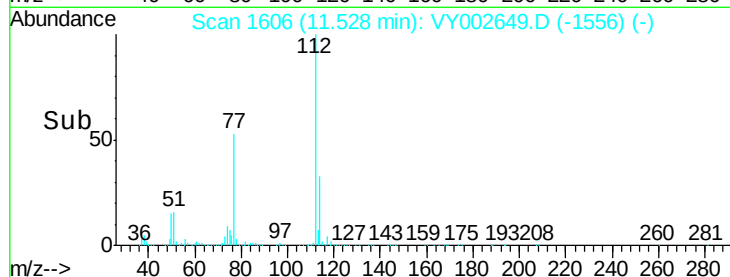
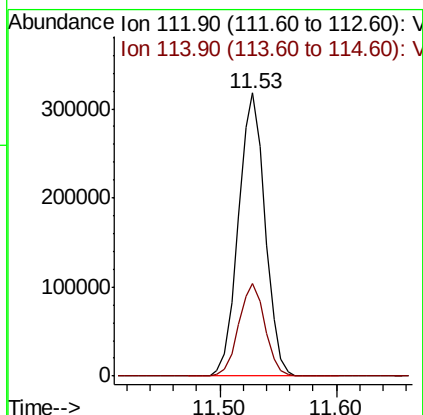
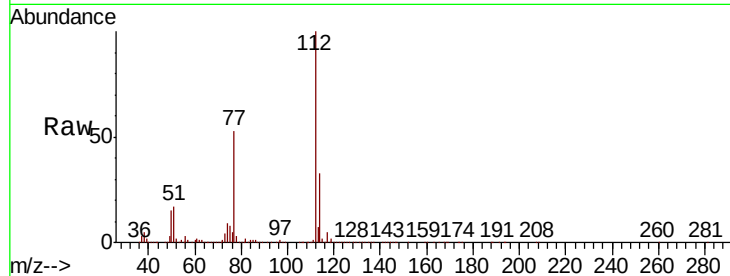




#65
Chlorobenzene
Concen: 52.950 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

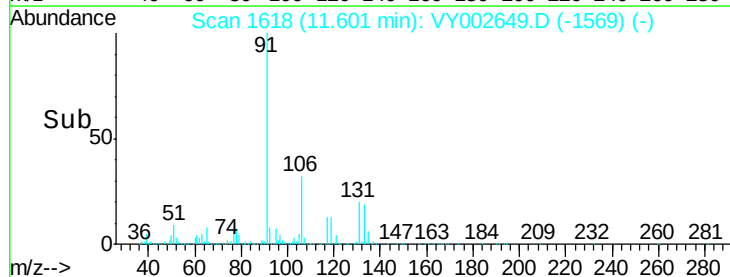
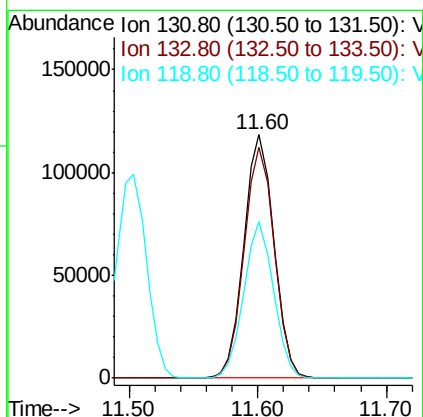
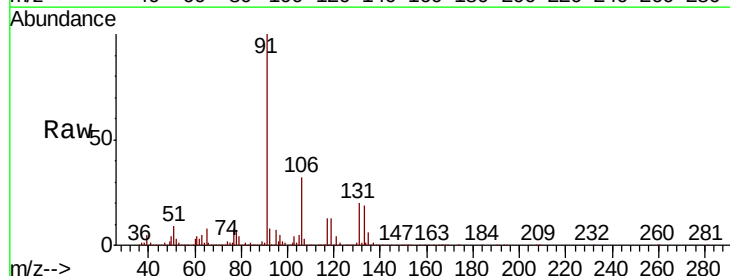
Instrument :
MSVOA_Y
ClientSampleId :

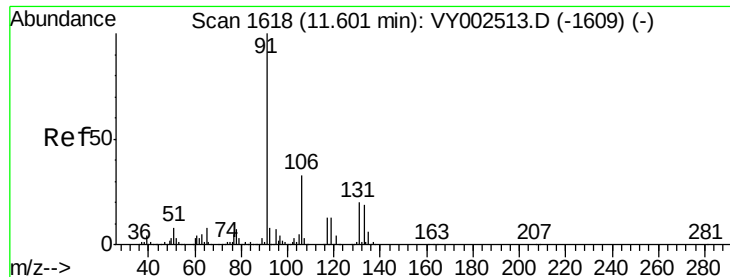
Tot Ion:112 Resp: 506592
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.469 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion:131 Resp: 189890
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 63.4 31.6 95.0

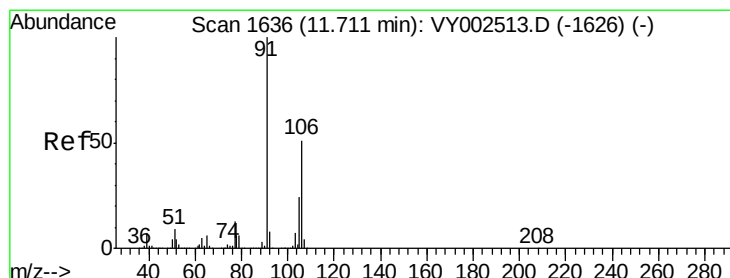
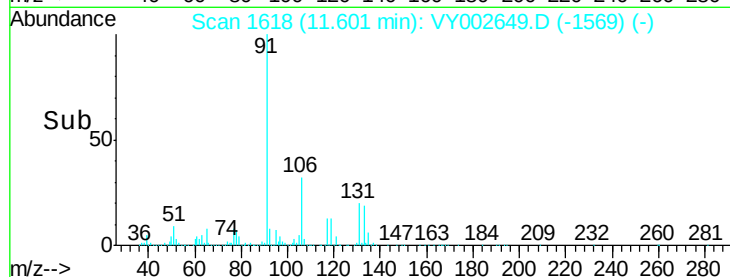
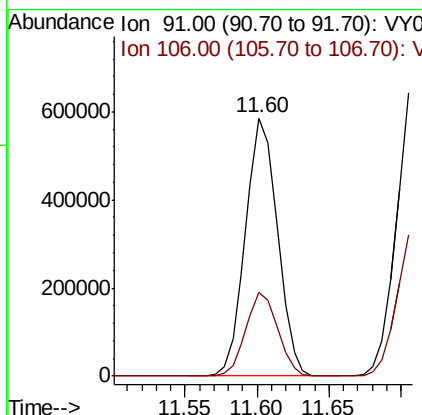
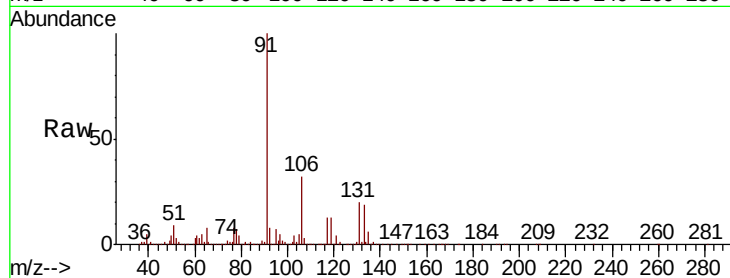




#67
Ethyl Benzene
Concen: 53.627 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

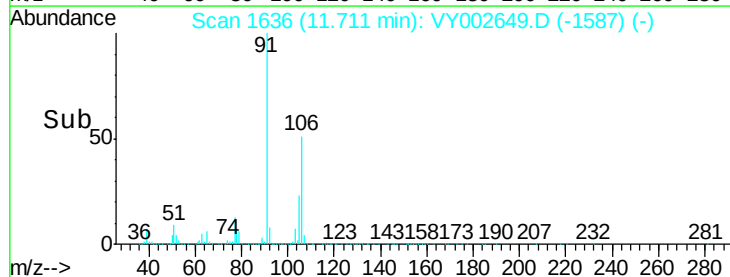
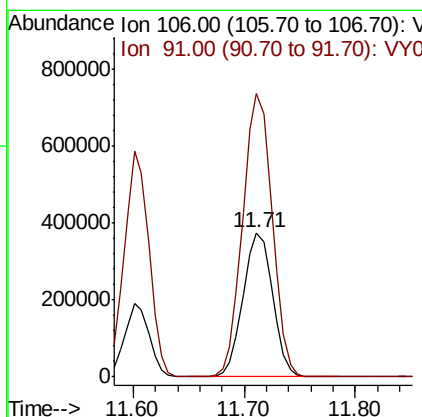
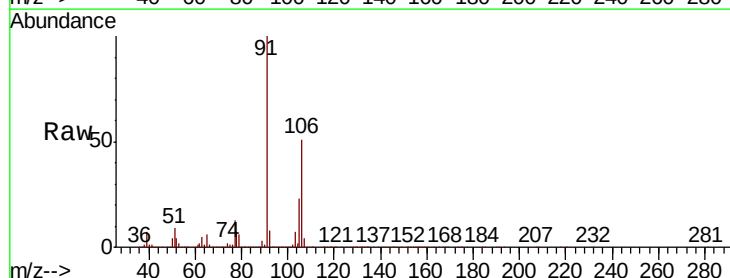
Instrument :
MSVOA_Y
ClientSampleId :

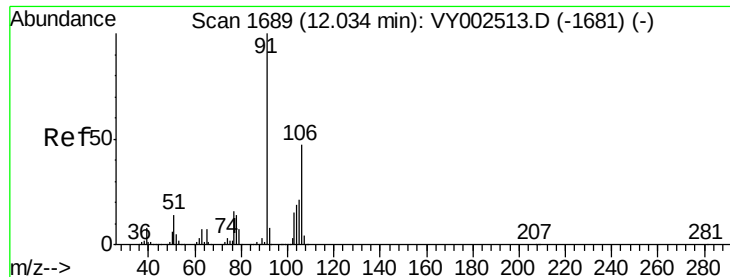
Tot Ion: 91 Resp: 901236
Ion Ratio Lower Upper
91 100
106 32.5 26.1 39.1



#68
m/p-Xylenes
Concen: 106.650 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion: 106 Resp: 693487
Ion Ratio Lower Upper
106 100
91 195.8 155.2 232.8

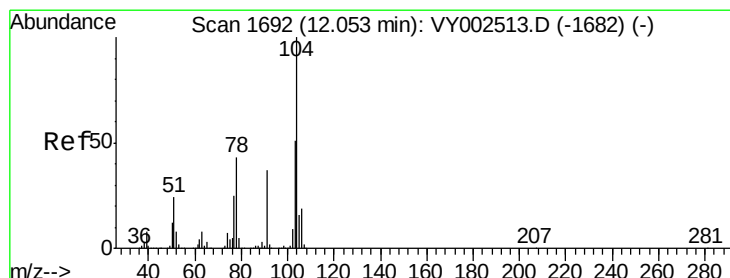
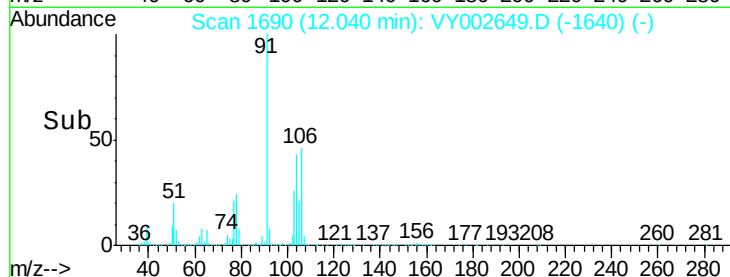
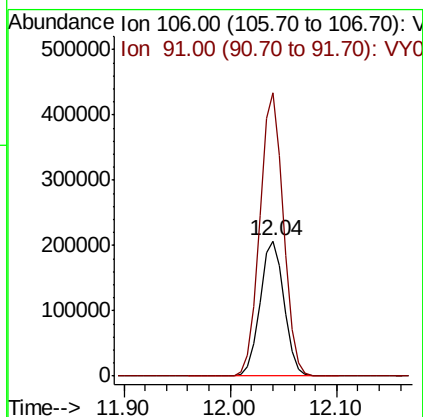
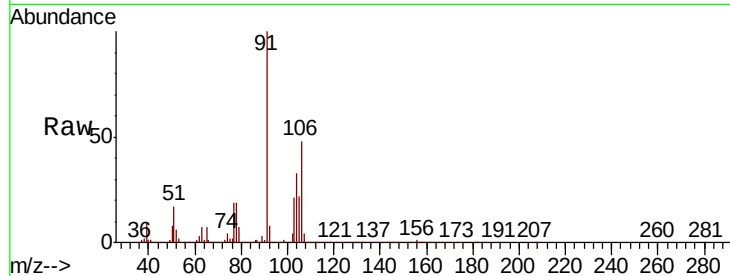




#69
o-Xylene
Concen: 53.713 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

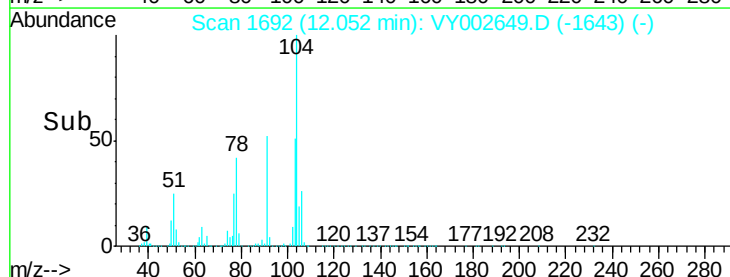
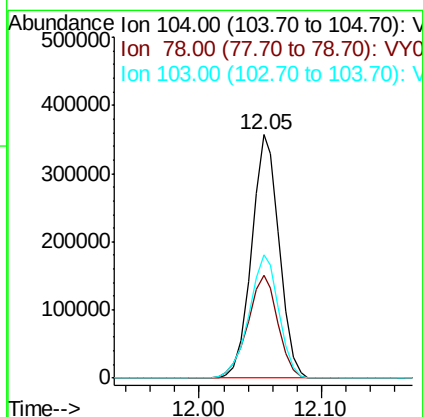
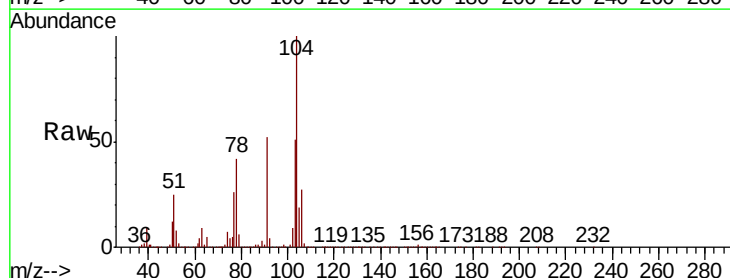
Instrument :
MSVOA_Y
ClientSampled :

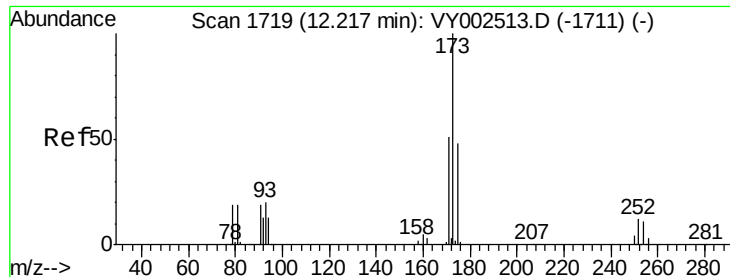
Tot Ion:106 Resp: 327025
Ion Ratio Lower Upper
106 100
91 205.6 103.8 311.3



#70
Styrene
Concen: 53.708 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion:104 Resp: 559008
Ion Ratio Lower Upper
104 100
78 46.1 37.4 56.0
103 54.6 43.9 65.9





#71

Bromoform

Concen: 50.472 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

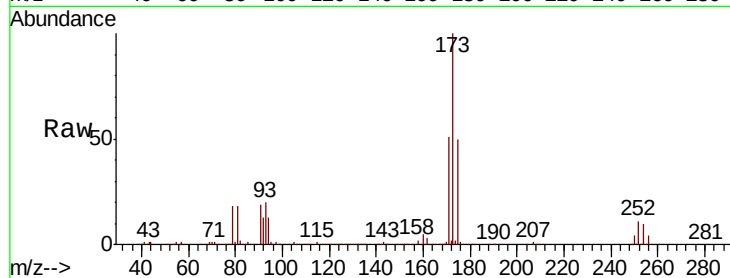
Tot Ion:173 Resp: 111252

Ion Ratio Lower Upper

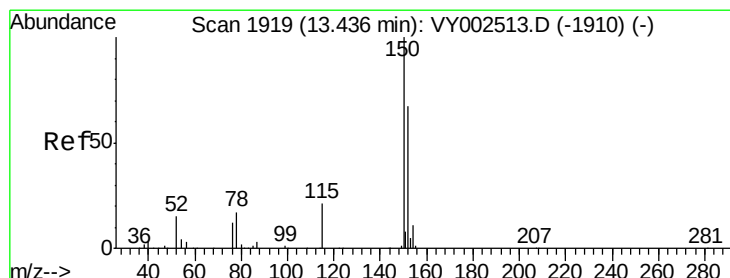
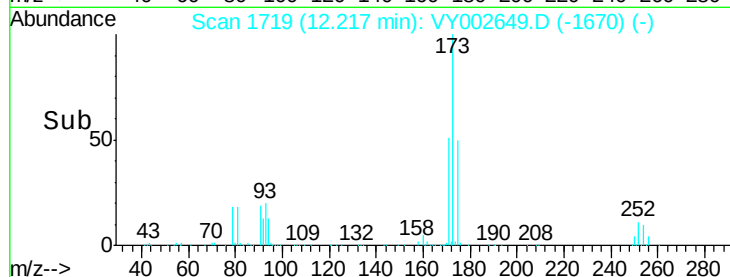
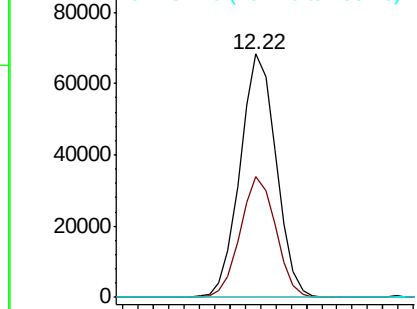
173 100

175 49.2 24.3 72.8

254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

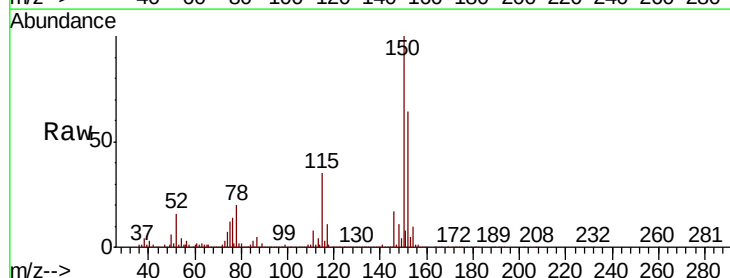
Tgt Ion:152 Resp: 257668

Ion Ratio Lower Upper

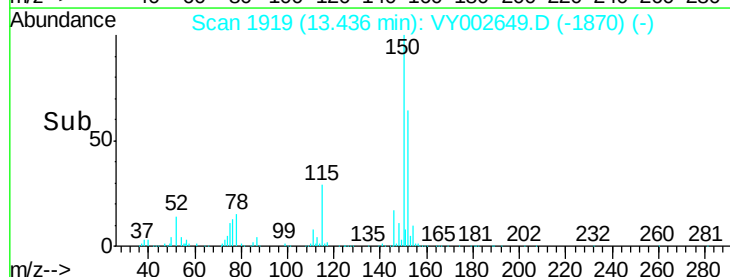
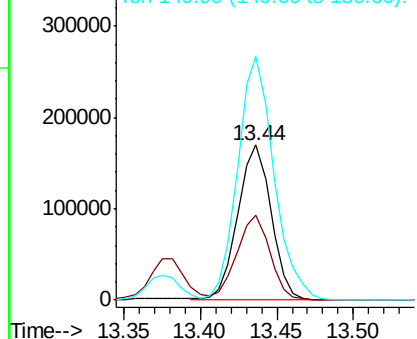
152 100

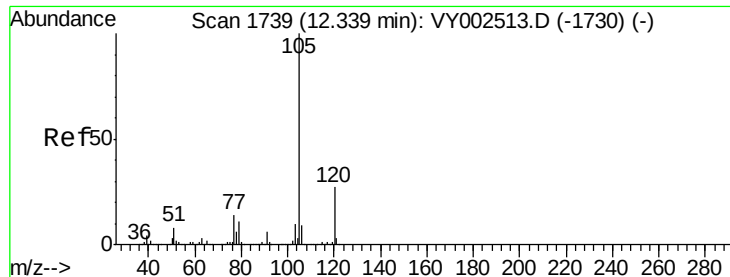
115 53.5 27.5 82.4

150 170.4 0.0 346.4



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: 53.247 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

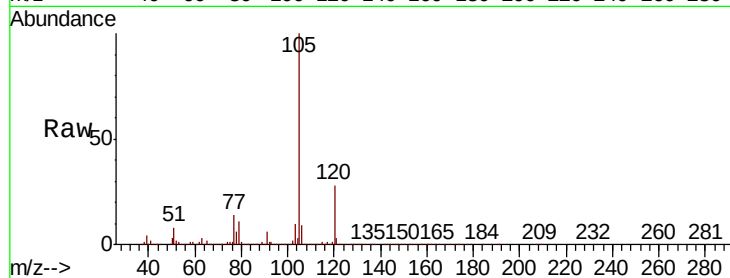
ClientSampleId :

Tot Ion:105 Resp: 889185

Ion Ratio Lower Upper

105 100

120 27.9 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.34

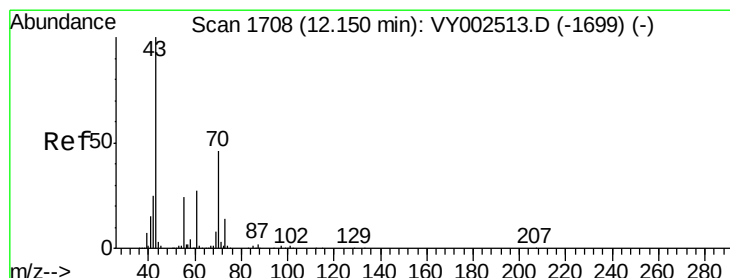
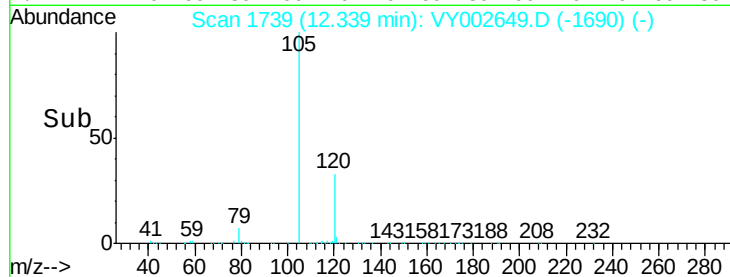
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 50.723 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Tgt Ion: 43 Resp: 203758

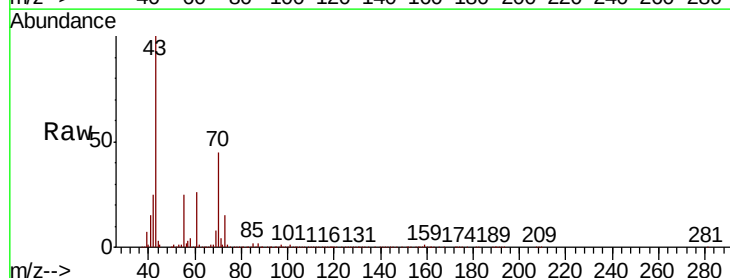
Ion Ratio Lower Upper

43 100

70 46.4 36.7 55.1

55 24.4 19.2 28.8

61 25.7 21.1 31.7



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

200000

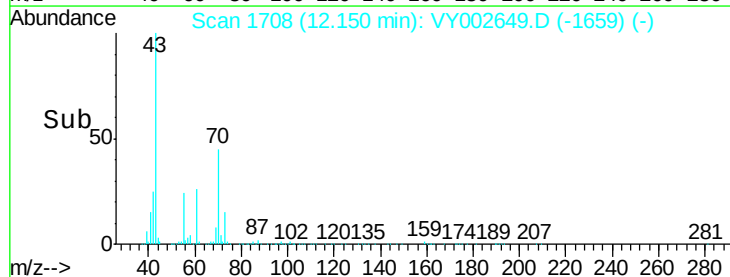
150000

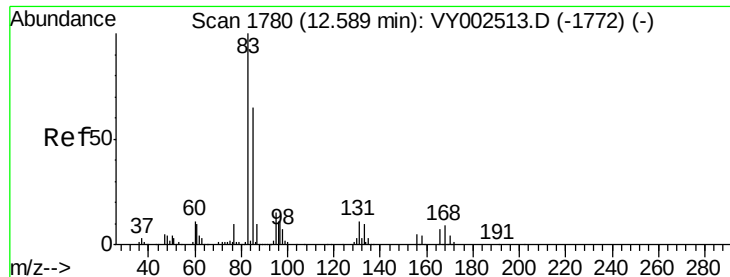
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.065 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

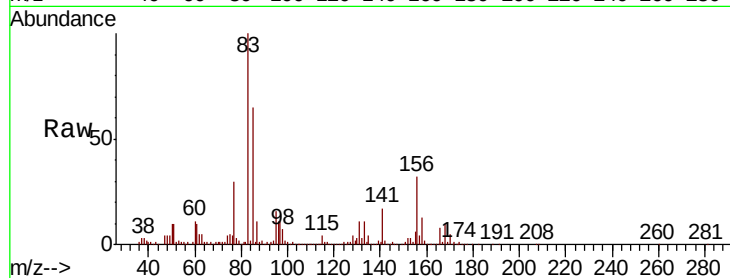
Tot Ion: 83 Resp: 119684

Ion Ratio Lower Upper

83 100

131 12.6 5.9 17.8

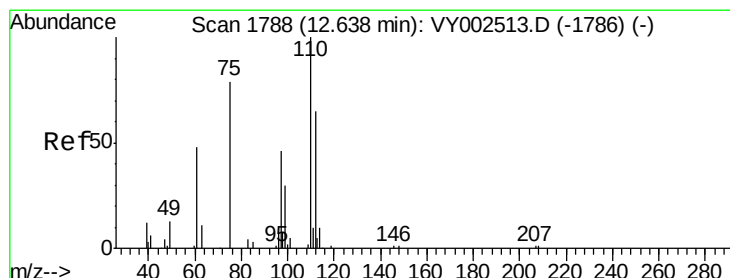
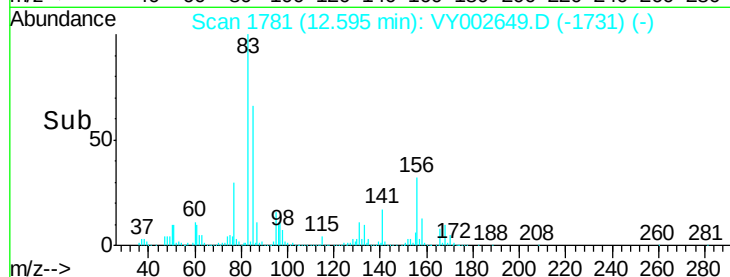
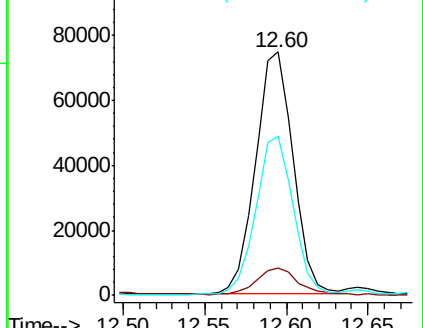
85 65.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VY002649.D (-1731) (-)

Ion 130.80 (130.50 to 131.50): VY002649.D (-1731) (-)

Ion 84.90 (84.60 to 85.60): VY002649.D (-1731) (-)



#76

1,2,3-Trichloropropane

Concen: 86.010 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY002649.D

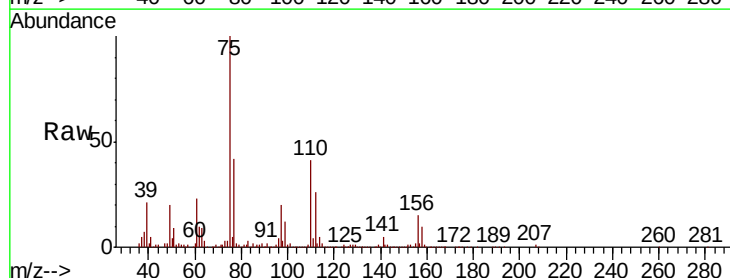
Acq: 08 May 2020 18:18

Tgt Ion: 75 Resp: 196947

Ion Ratio Lower Upper

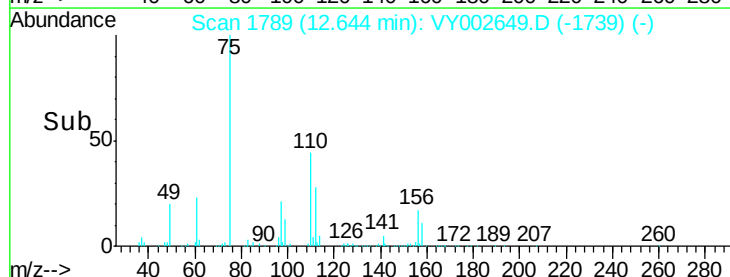
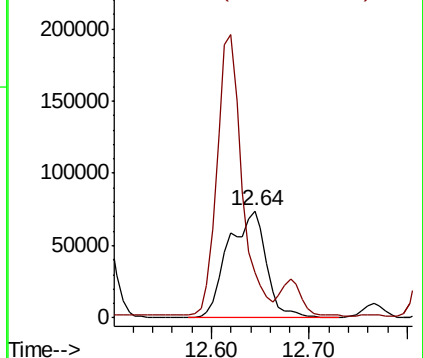
75 100

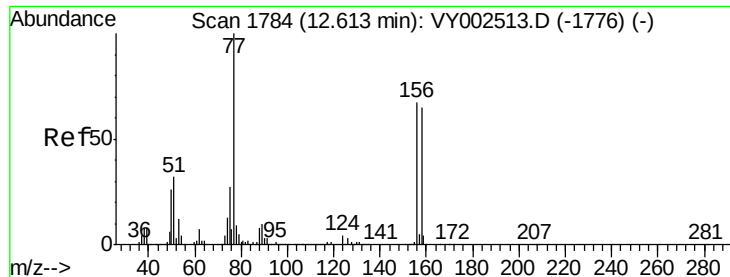
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002649.D (-1739) (-)

Ion 77.00 (76.70 to 77.70): VY002649.D (-1739) (-)





#77

Bromobenzene

Concen: 55.840 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampled :

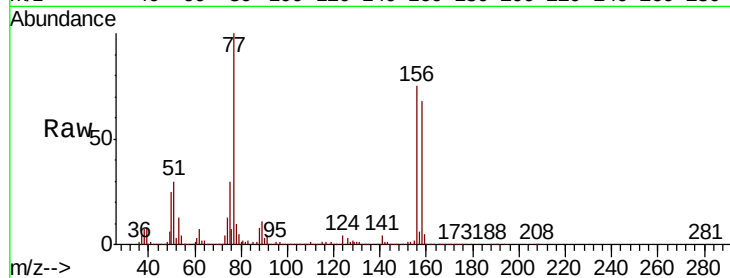
Tot Ion:156 Resp: 232975

Ion Ratio Lower Upper

156 100

77 148.0 82.0 245.8

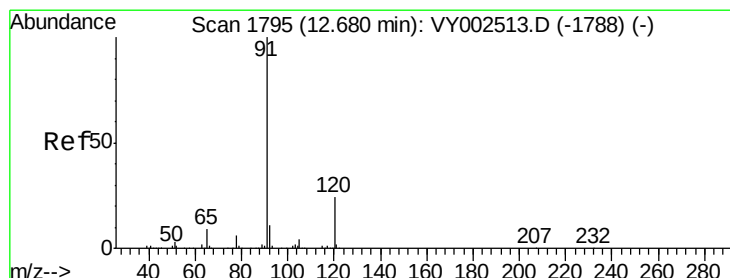
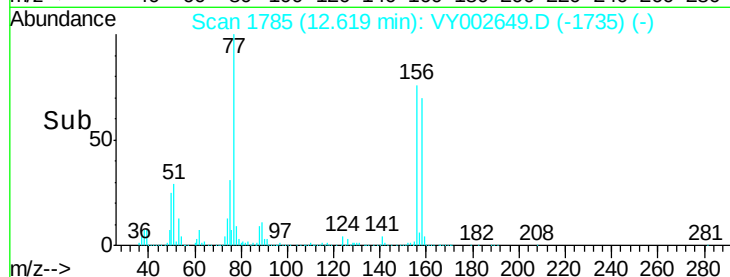
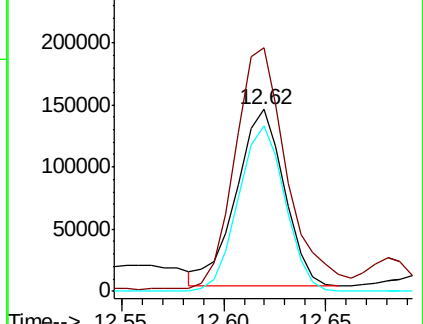
158 90.7 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.458 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002649.D

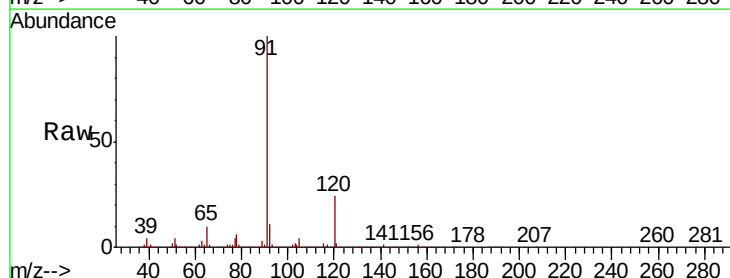
Acq: 08 May 2020 18:18

Tgt Ion: 91 Resp: 1035985

Ion Ratio Lower Upper

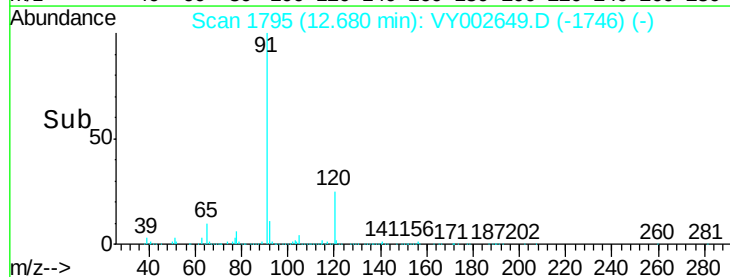
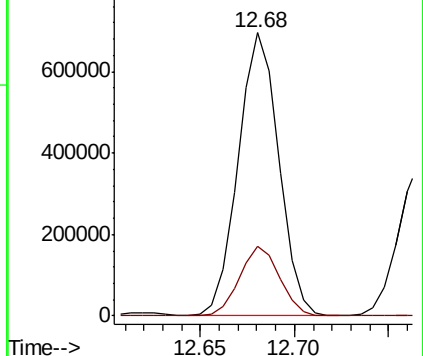
91 100

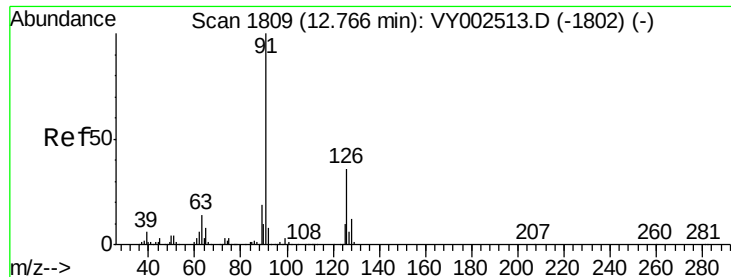
120 24.3 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.997 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

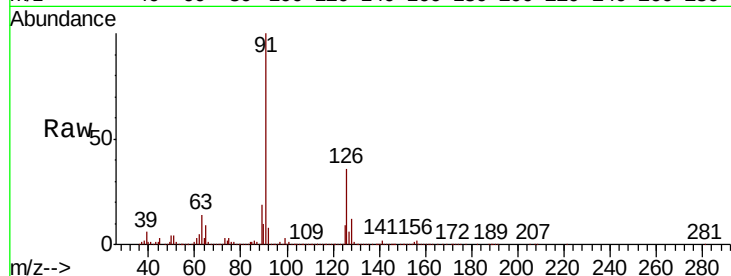
ClientSampleId :

Tot Ion: 91 Resp: 568912

Ion Ratio Lower Upper

91 100

126 36.2 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VY002513.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY002513.D (-1802) (-)

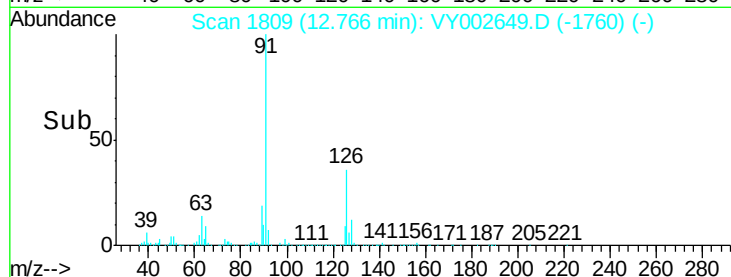
600000

400000

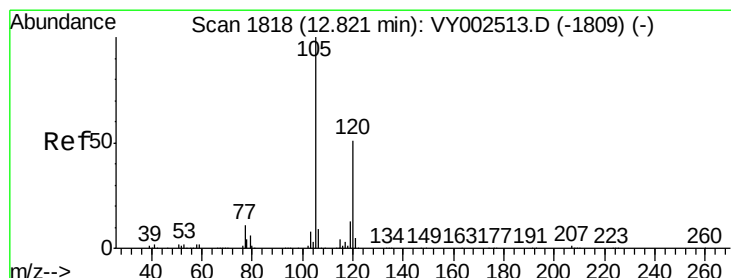
200000

0

12.70 12.75 12.80



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.824 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002649.D

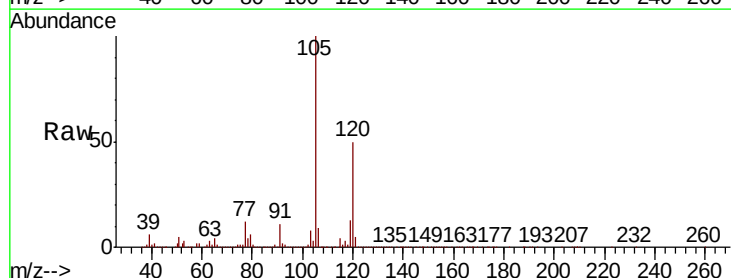
Acq: 08 May 2020 18:18

Tgt Ion: 105 Resp: 745056

Ion Ratio Lower Upper

105 100

120 50.7 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VY002513.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY002513.D (-1809) (-)

600000

500000

400000

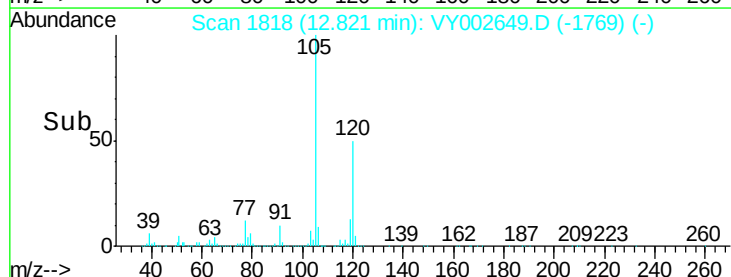
300000

200000

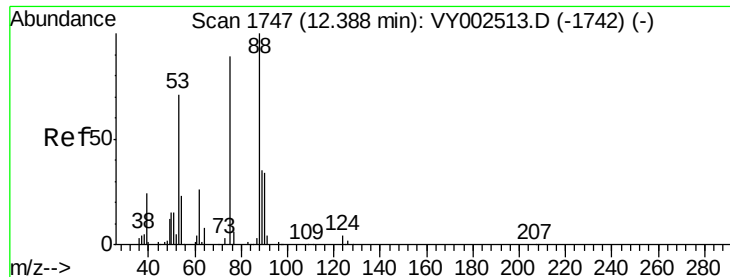
100000

0

12.80 12.82 12.84



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 47.183 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

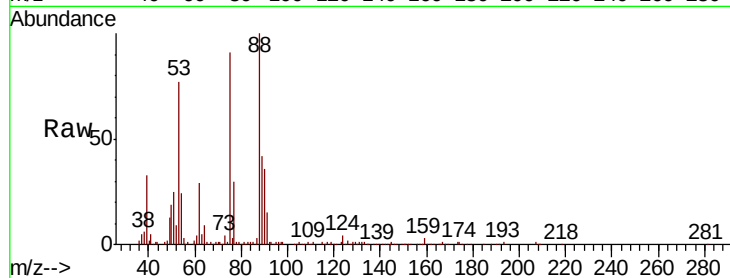
Tot Ion: 75 Resp: 53880

Ion Ratio Lower Upper

75 100

53 83.2 67.4 101.0

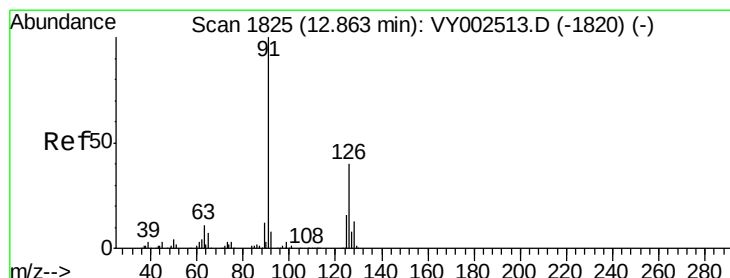
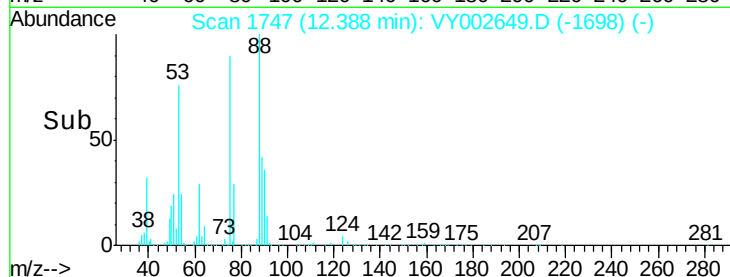
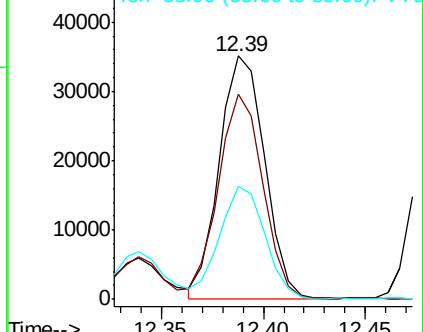
89 46.1 37.4 56.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 52.050 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VY002649.D

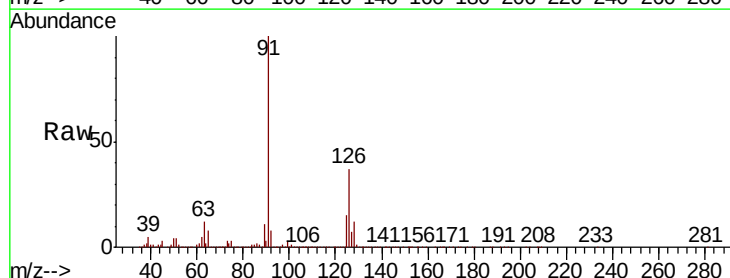
Acq: 08 May 2020 18:18

Tgt Ion: 91 Resp: 586917

Ion Ratio Lower Upper

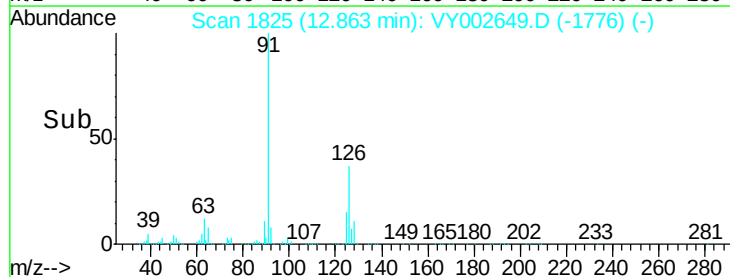
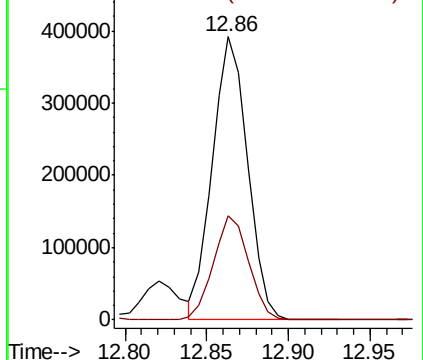
91 100

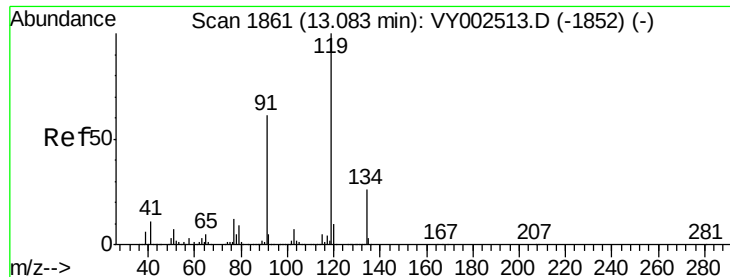
126 37.1 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

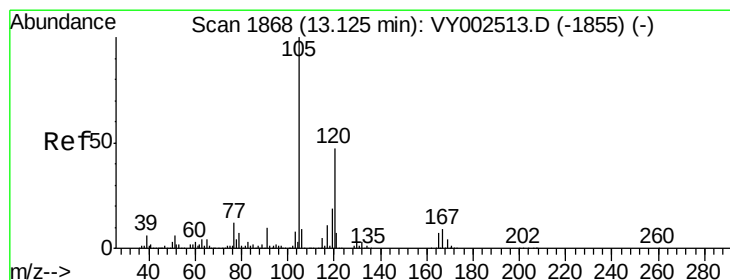
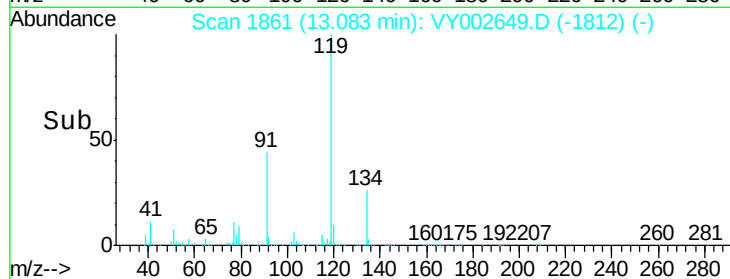
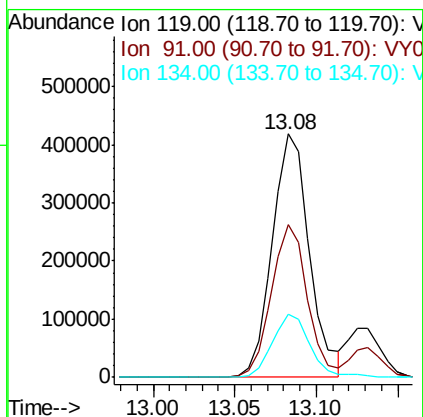
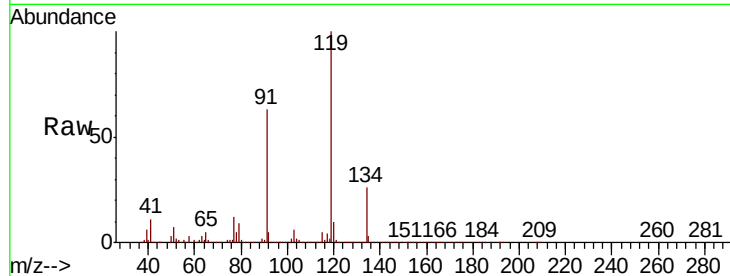




#83
tert-Butylbenzene
Concen: 54.555 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

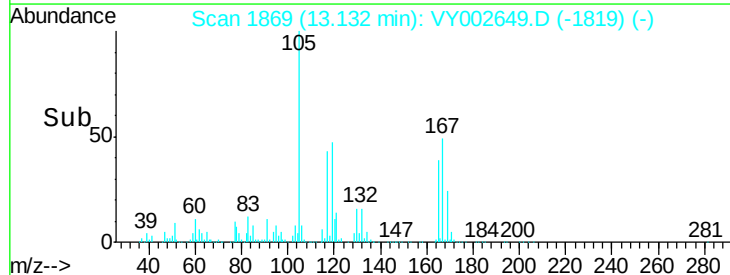
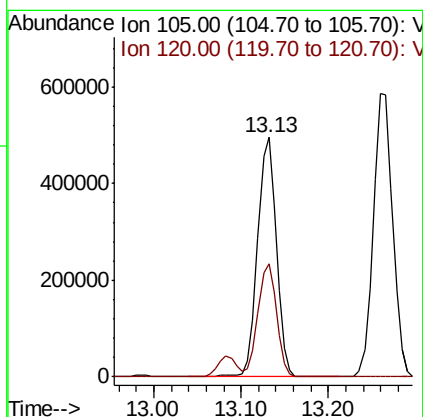
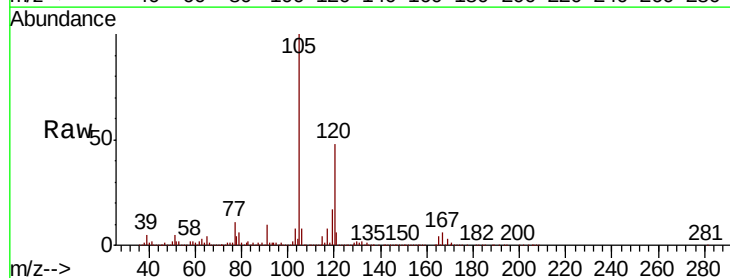
Instrument :
MSVOA_Y
ClientSampleId :

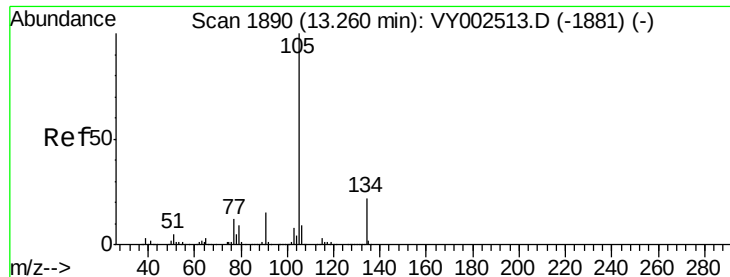
Tot Ion:119 Resp: 662154
Ion Ratio Lower Upper
119 100
91 60.7 30.6 91.6
134 26.2 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 53.552 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion:105 Resp: 738780
Ion Ratio Lower Upper
105 100
120 47.2 23.4 70.3





#85

sec-Butylbenzene

Concen: 53.551 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

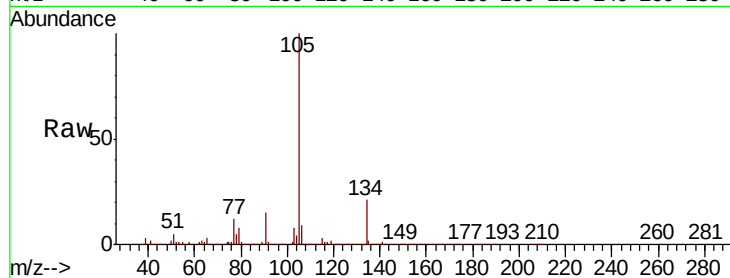
ClientSampleId :

Tot Ion:105 Resp: 901909

Ion Ratio Lower Upper

105 100

134 21.5 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

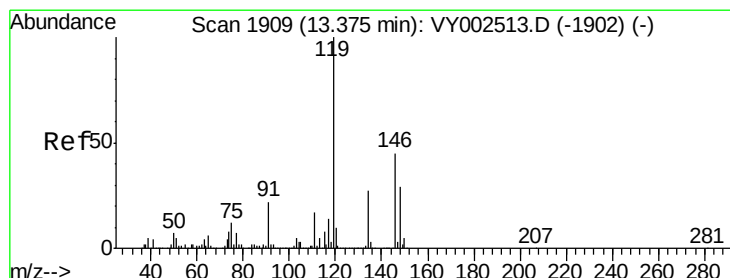
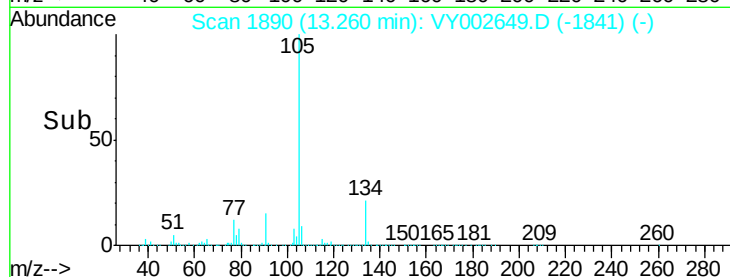
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.693 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

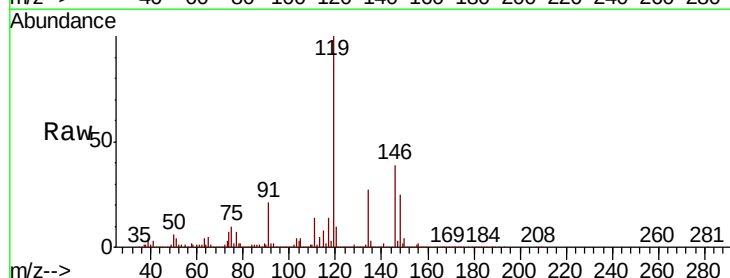
Tgt Ion:119 Resp: 847325

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 21.9 10.9 32.9



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

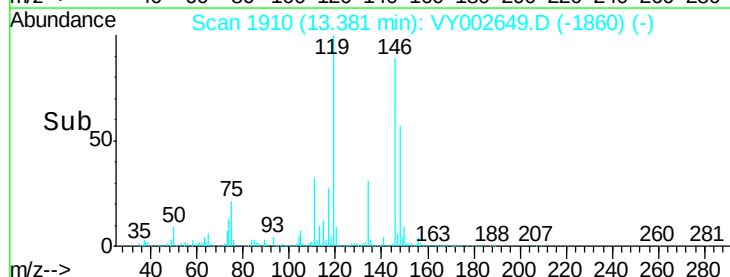
600000

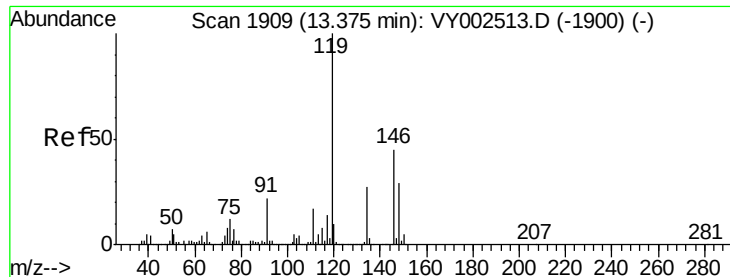
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.866 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

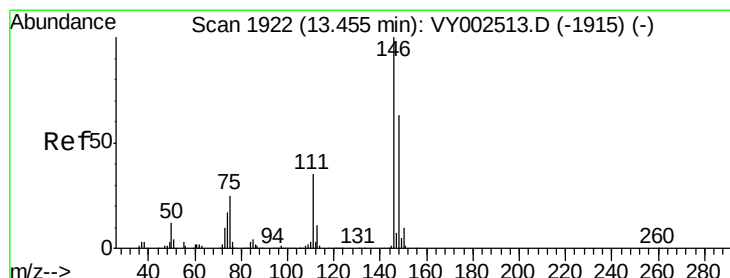
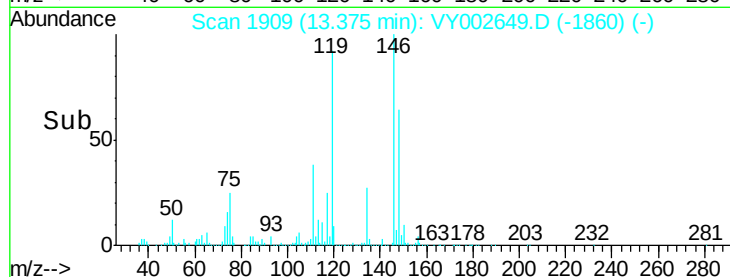
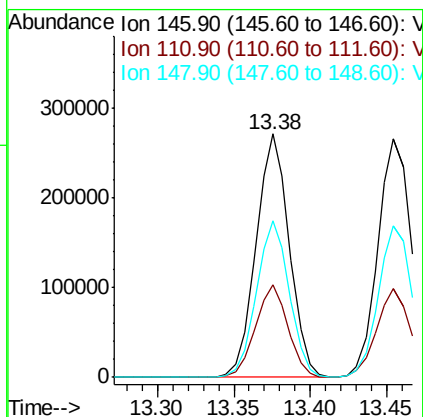
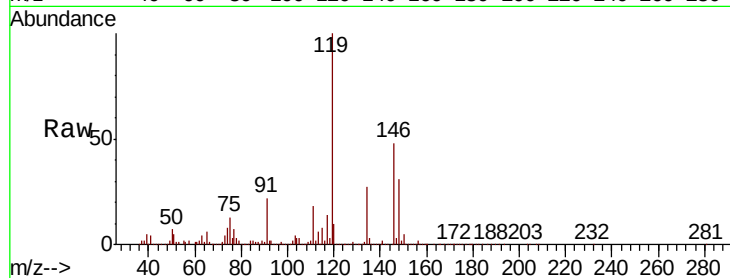
Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:146 Resp: 409563

Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.3
148	63.7	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 51.816 ug/l

RT: 13.45 min Scan# 1922

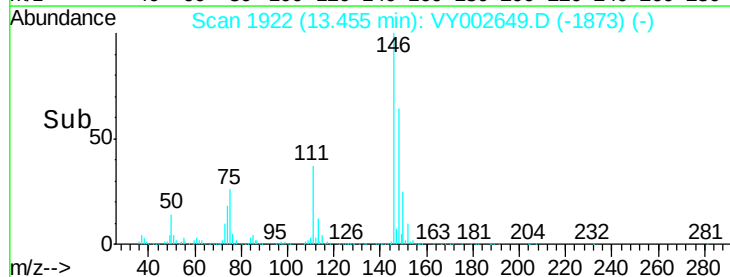
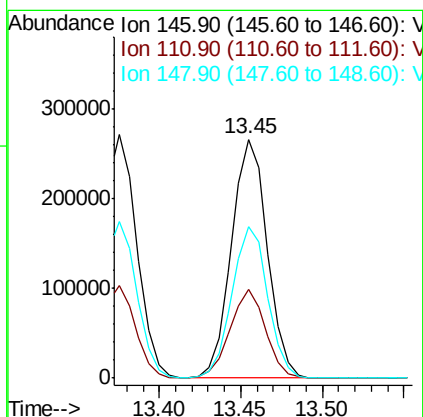
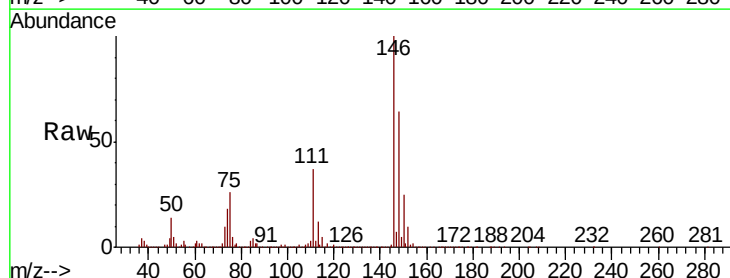
Delta R.T. -0.00 min

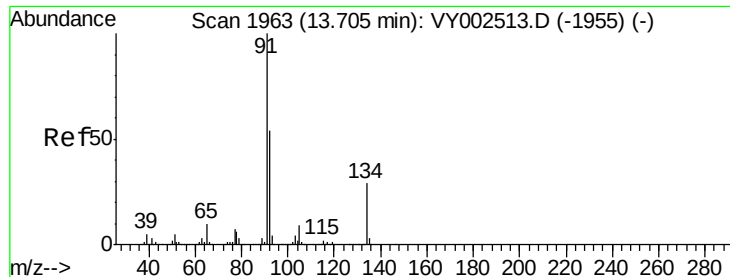
Lab File: VY002649.D

Acq: 08 May 2020 18:18

Tgt Ion:146 Resp: 405158

Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	63.8	31.9	95.5





#89

n-Butylbenzene

Concen: 53.056 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

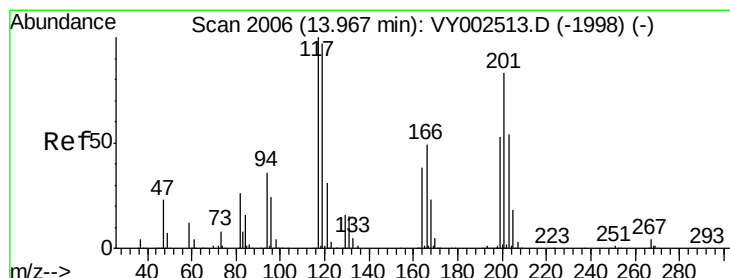
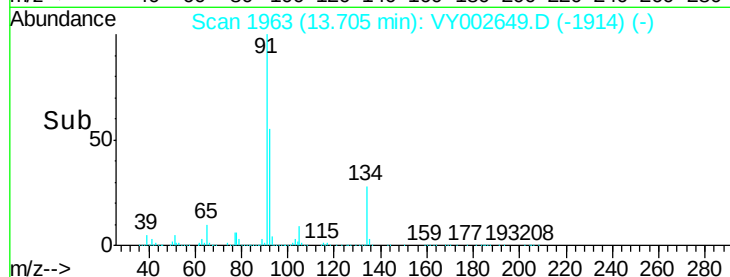
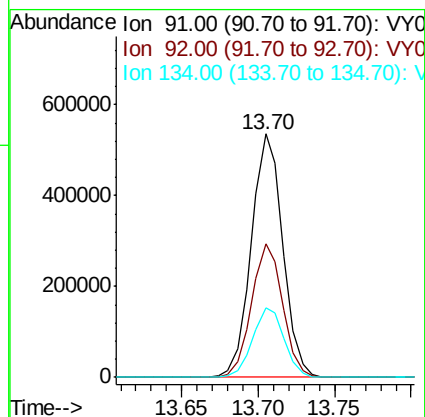
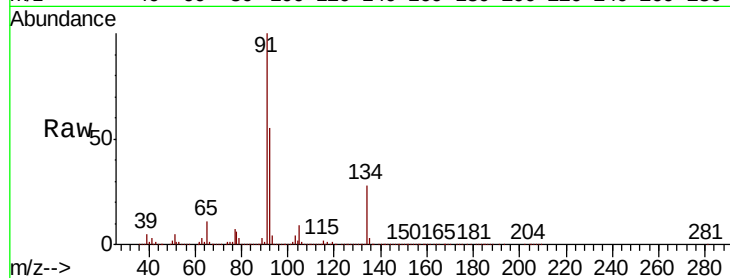
Tot Ion: 91 Resp: 762215

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.1	81.3
134	28.9	14.4	43.0

91 100

92 54.4 27.1 81.3

134 28.9 14.4 43.0



#90

Hexachloroethane

Concen: 53.966 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY002649.D

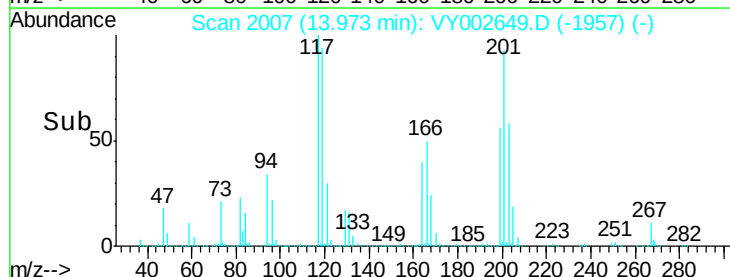
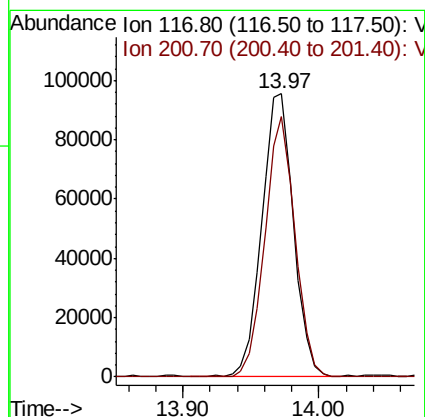
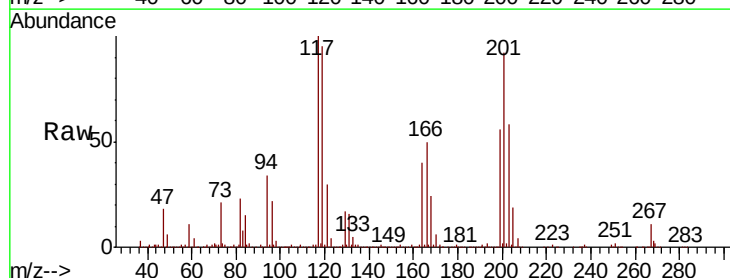
Acq: 08 May 2020 18:18

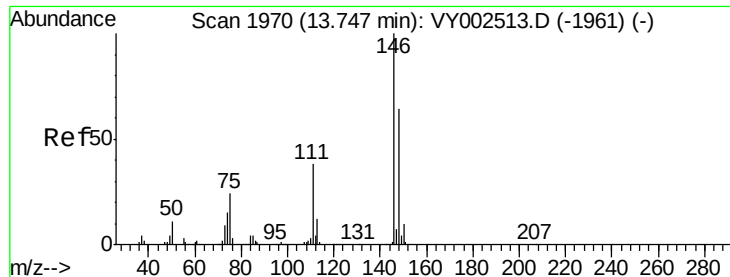
Tgt Ion: 117 Resp: 155093

Ion	Ratio	Lower	Upper
117	100		
201	87.8	44.4	133.2

117 100

201 87.8 44.4 133.2





#91

1,2-Dichlorobenzene

Concen: 51.248 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VY002649.D

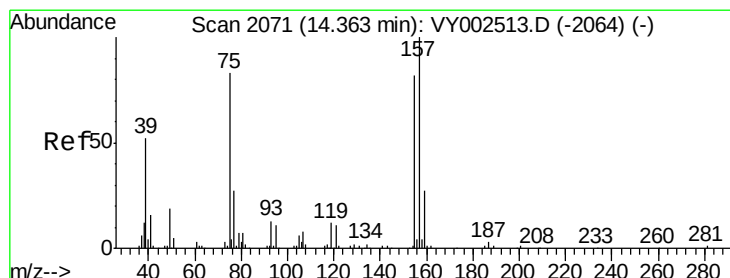
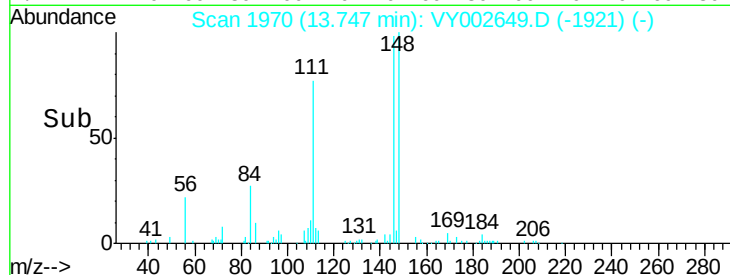
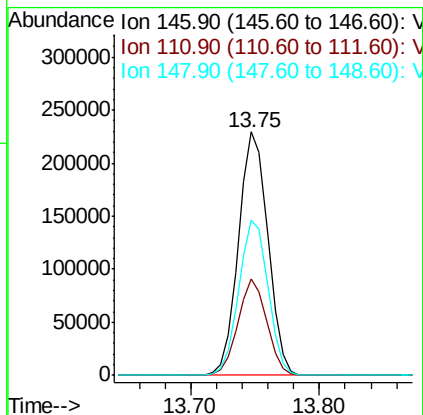
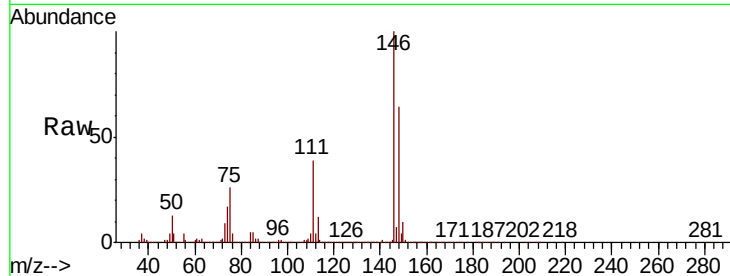
Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:	146	Resp:	361102
Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	63.8	31.9	95.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.766 ug/l

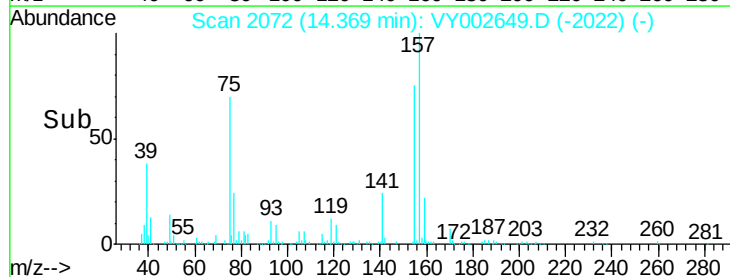
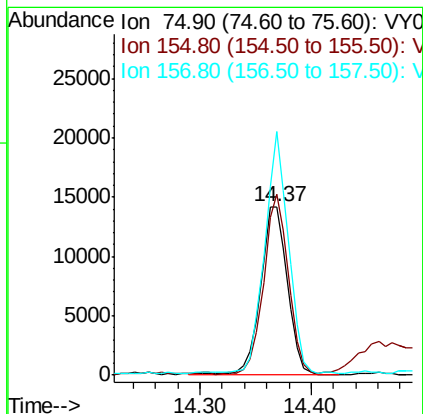
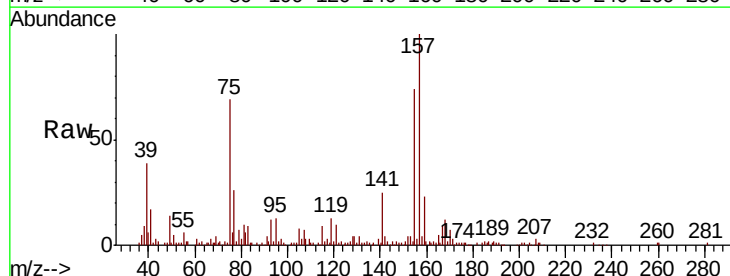
RT: 14.37 min Scan# 2072

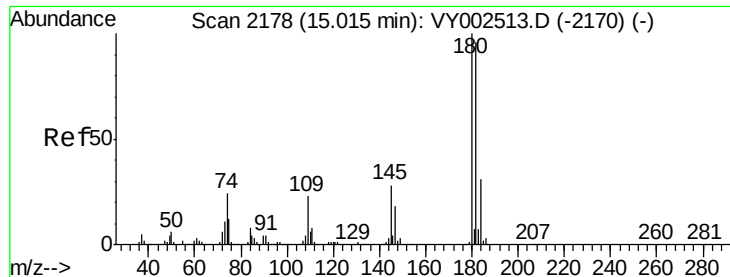
Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Tgt Ion:	75	Resp:	24142
Ion	Ratio	Lower	Upper
75	100		
155	97.3	51.3	153.9
157	126.2	65.0	195.0

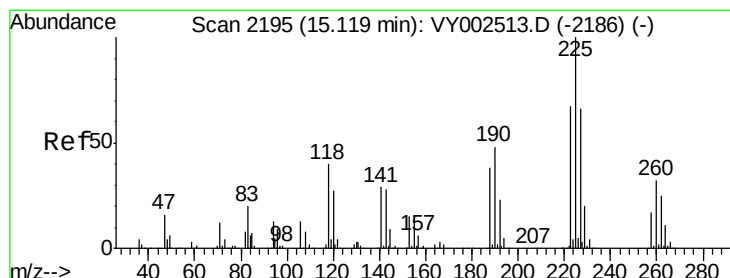
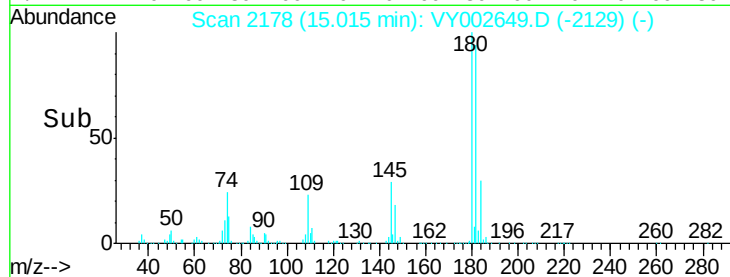
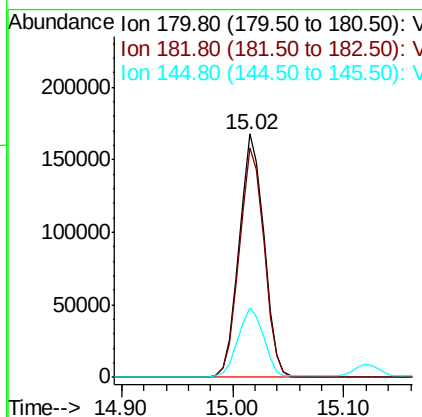
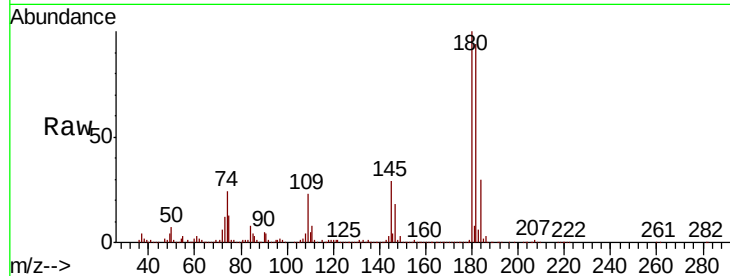




#93
 1,2,4-Trichlorobenzene
 Concen: 50.532 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

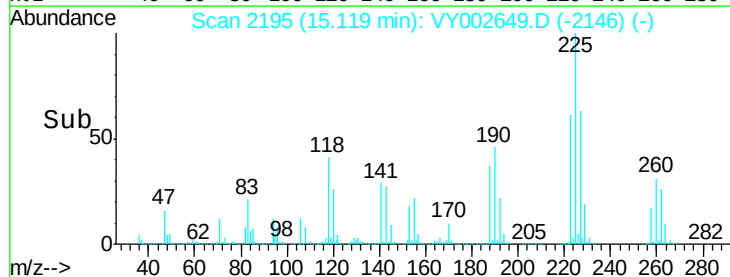
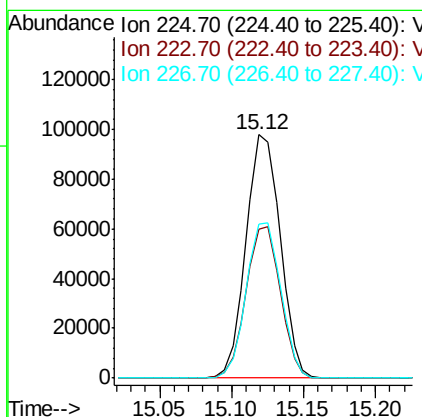
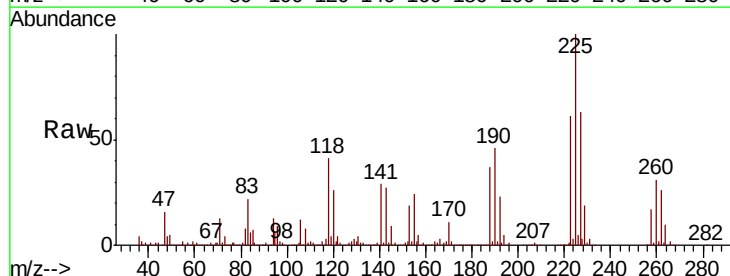
Instrument :
 MSVOA_Y
 ClientSampled :

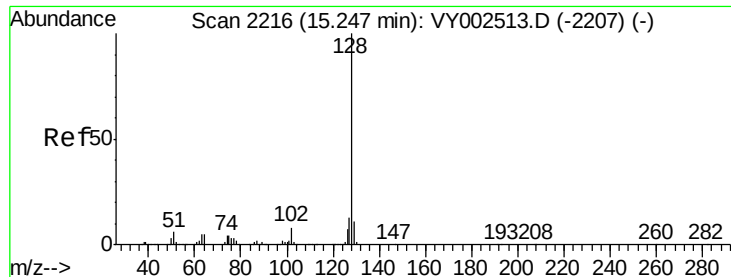
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	29.4	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 52.475 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.1	96.5
227	64.0	32.0	96.2





#95

Naphthalene

Concen: 50.908 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY002649.D

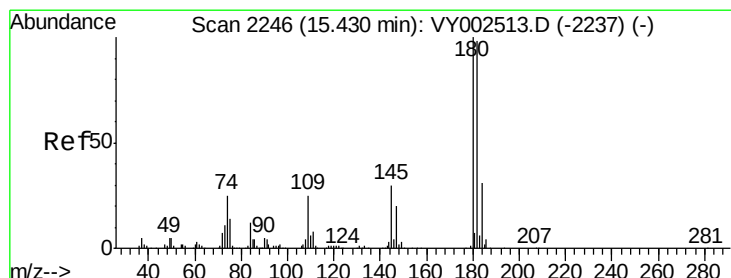
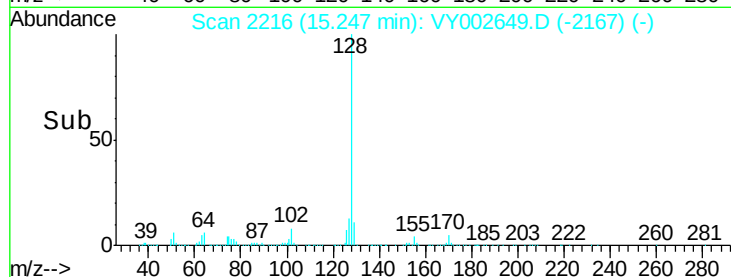
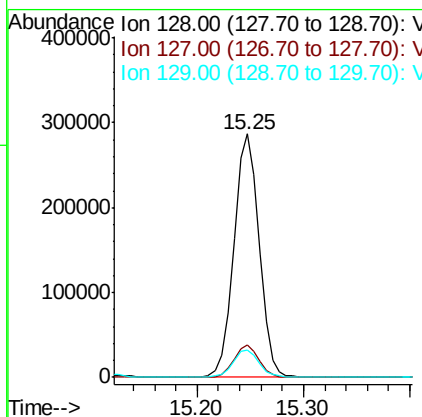
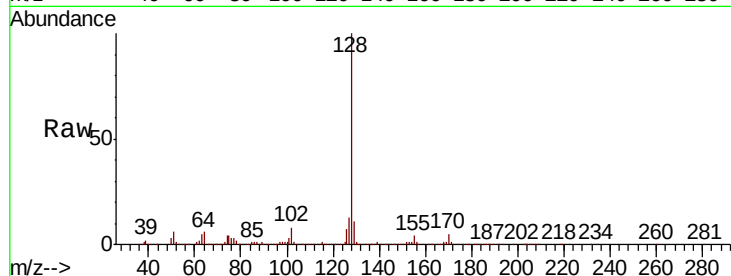
Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:128	Resp:	475077
Ion	Ratio	Lower Upper
128	100	
127	13.3	10.5 15.7
129	11.4	8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 48.254 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Tgt Ion:180	Resp:	209552
Ion	Ratio	Lower Upper
180	100	
182	95.1	47.9 143.8
145	32.2	15.0 45.1

