

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002573.D
 Acq On : 05 May 2020 04:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 05 07:20:42 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	317223	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	514033	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	482232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	248815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	158719	59.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.02%	
35) Dibromofluoromethane	7.75	113	162274	55.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.40%	
50) Toluene-d8	10.20	98	612443	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
62) 4-Bromofluorobenzene	12.50	95	215076	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	114849	44.036	ug/l	98
3) Chloromethane	2.13	50	138238	53.787	ug/l	99
4) Vinyl Chloride	2.27	62	147177	49.593	ug/l	100
5) Bromomethane	2.67	94	113025	55.227	ug/l	98
6) Chloroethane	2.82	64	93985	53.039	ug/l	98
7) Trichlorofluoromethane	3.15	101	219053	47.626	ug/l	98
8) Diethyl Ether	3.56	74	95938	62.070	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	136541	48.573	ug/l	99
10) Methyl Iodide	4.13	142	217649	56.831	ug/l	99
11) Tert butyl alcohol	4.99	59	70651	257.459	ug/l	99
12) 1,1-Dichloroethene	3.90	96	136981	50.161	ug/l	99
13) Acrolein	3.76	56	48970	258.063	ug/l	97
14) Allyl chloride	4.52	41	225169	56.592	ug/l	98
15) Acrylonitrile	5.21	53	220893	303.052	ug/l	99
16) Acetone	3.98	43	156044	283.476	ug/l	100
17) Carbon Disulfide	4.23	76	426912	51.965	ug/l	100
18) Methyl Acetate	4.52	43	110229	59.932	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	434160	60.938	ug/l	98
20) Methylene Chloride	4.75	84	177249	57.581	ug/l	99
21) trans-1,2-Dichloroethene	5.26	96	166255	55.702	ug/l	97
22) Diisopropyl ether	6.16	45	509706	63.312	ug/l	97
23) Vinyl Acetate	6.10	43	1561509	308.413	ug/l	98
24) 1,1-Dichloroethane	6.06	63	277179	58.197	ug/l	100
25) 2-Butanone	7.02	43	265461	294.604	ug/l	98
26) 2,2-Dichloropropane	7.02	77	201026	44.404	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	193518	58.596	ug/l	98
28) Bromochloromethane	7.37	49	122963	63.013	ug/l	100
29) Tetrahydrofuran	7.38	42	180905	303.446	ug/l	99
30) Chloroform	7.54	83	290001	58.560	ug/l	99
31) Cyclohexane	7.82	56	229646	47.902	ug/l	93
32) 1,1,1-Trichloroethane	7.74	97	241403	52.446	ug/l	100
36) 1,1-Dichloropropene	7.95	75	205202	47.620	ug/l	100
37) Ethyl Acetate	7.11	43	121988	55.089	ug/l	99
38) Carbon Tetrachloride	7.93	117	218615	46.468	ug/l	99

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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.21	83	258699	45.453	ug/l	99
40) Benzene	8.19	78	659497	52.989	ug/l	100
41) Methacrylonitrile	7.37	41	166838	140.128	ug/l #	1
42) 1,2-Dichloroethane	8.27	62	189342	54.236	ug/l	99
43) Isopropyl Acetate	8.30	43	233102	56.151	ug/l	99
44) Trichloroethene	8.96	130	202309	52.014	ug/l	98
45) 1,2-Dichloropropane	9.24	63	166658	55.483	ug/l	100
46) Dibromomethane	9.33	93	96707	55.957	ug/l	99
47) Bromodichloromethane	9.52	83	231935	55.193	ug/l	99
48) Methyl methacrylate	9.32	41	105385	56.093	ug/l	99
49) 1,4-Dioxane	9.32	88	25003	1092.673	ug/l	98
51) 4-Methyl-2-Pentanone	10.09	43	597480	279.227	ug/l	100
52) Toluene	10.26	92	421597	52.709	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	237485	53.938	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	272514	53.539	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	141719	56.232	ug/l	99
56) Ethyl methacrylate	10.53	69	191532	57.128	ug/l	99
57) 1,3-Dichloropropane	10.81	76	239508	56.039	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	504385	285.275	ug/l	99
59) 2-Hexanone	10.85	43	414554	281.486	ug/l	100
60) Dibromochloromethane	11.00	129	178425	55.663	ug/l	100
61) 1,2-Dibromoethane	11.11	107	137540	55.116	ug/l	100
64) Tetrachloroethene	10.74	164	228225	53.266	ug/l	97
65) Chlorobenzene	11.53	112	476446	51.973	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	181301	53.278	ug/l	99
67) Ethyl Benzene	11.61	91	815529	50.645	ug/l	98
68) m/p-Xylenes	11.72	106	628798	100.921	ug/l	100
69) o-Xylene	12.04	106	304453	52.188	ug/l	100
70) Styrene	12.06	104	536992	53.844	ug/l	98
71) Bromoform	12.22	173	113489	53.733	ug/l #	100
73) Isopropylbenzene	12.34	105	788911	48.923	ug/l	100
74) N-amyl acetate	12.16	43	215501	55.555	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	125794	49.051	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	200579	90.713	ug/l #	100
77) Bromobenzene	12.63	156	209275	51.945	ug/l	99
78) n-propylbenzene	12.69	91	912085	48.740	ug/l	100
79) 2-Chlorotoluene	12.77	91	522800	50.435	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	673722	50.402	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	54129	49.087	ug/l	96
82) 4-Chlorotoluene	12.87	91	553704	50.852	ug/l	99
83) tert-Butylbenzene	13.09	119	580036	49.490	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	683435	51.303	ug/l	99
85) sec-Butylbenzene	13.27	105	785916	48.324	ug/l	99
86) p-Isopropyltoluene	13.38	119	743513	48.791	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	388285	50.921	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	386756	51.223	ug/l	100
89) n-Butylbenzene	13.71	91	657814	47.418	ug/l	100
90) Hexachloroethane	13.97	117	142572	51.375	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	354555	52.110	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	24790	51.856	ug/l	99

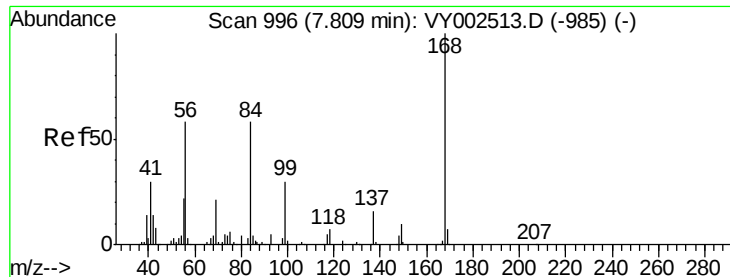
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	243930	49.380	ug/l	100
94) Hexachlorobutadiene	15.12	225	139183	46.940	ug/l	99
95) Naphthalene	15.25	128	469799	52.134	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	213686	50.956	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

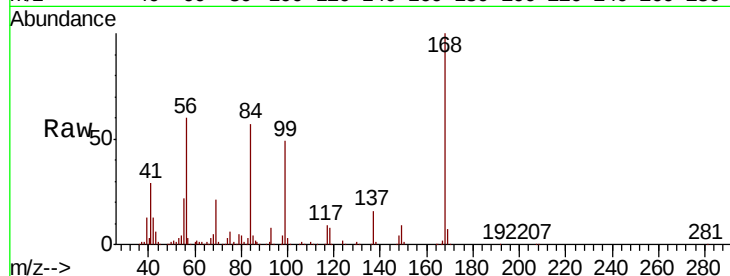
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 317223

Ion Ratio Lower Upper

168 100

99 49.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.82

150000

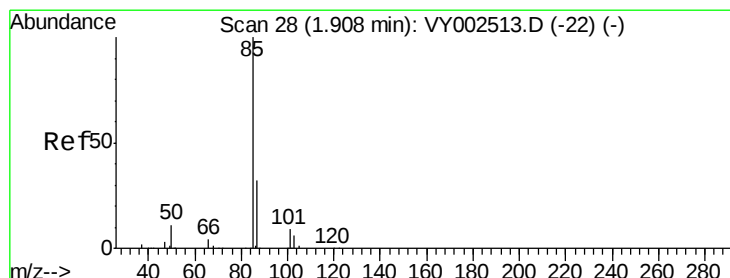
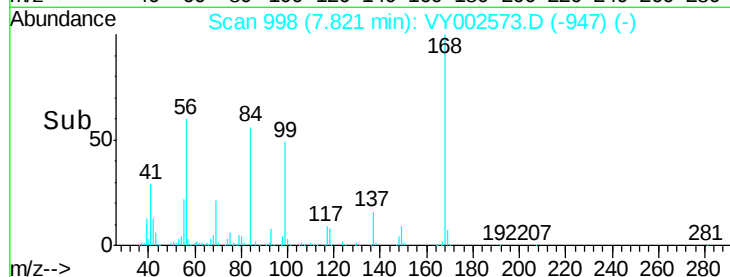
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 44.036 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002573.D

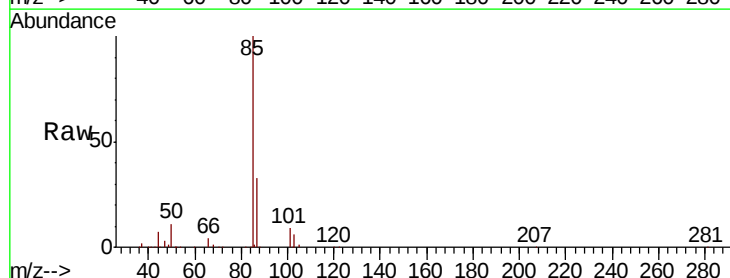
Acq: 05 May 2020 04:34

Tgt Ion: 85 Resp: 114849

Ion Ratio Lower Upper

85 100

87 32.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

80000

60000

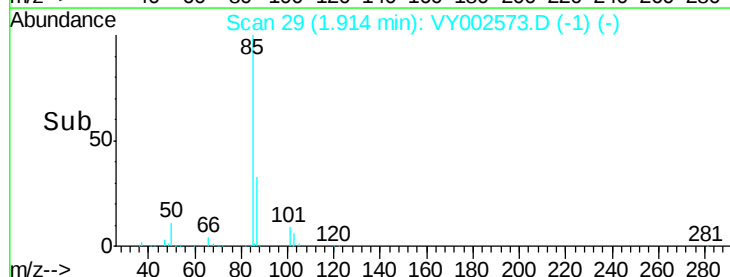
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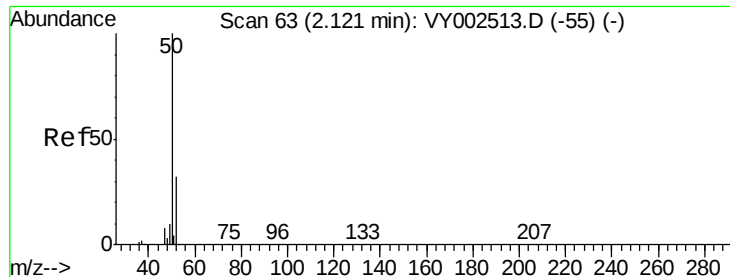
20000

0

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 53.787 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

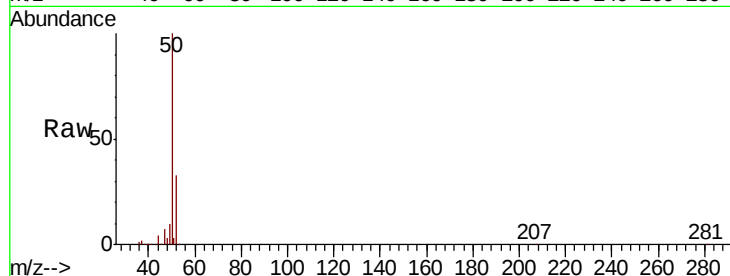
ClientSampleId :

Tot Ion: 50 Resp: 138238

Ion Ratio Lower Upper

50 100

52 33.1 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

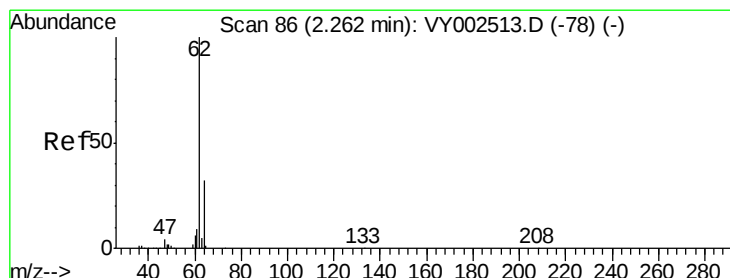
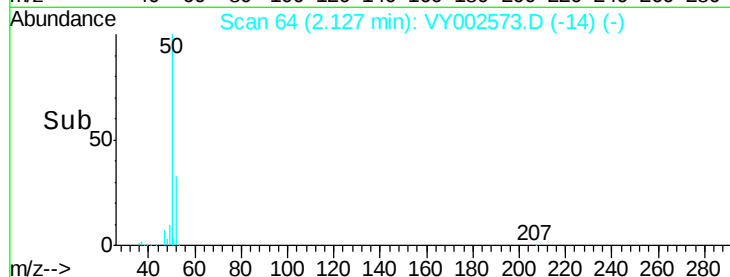
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 49.593 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY002573.D

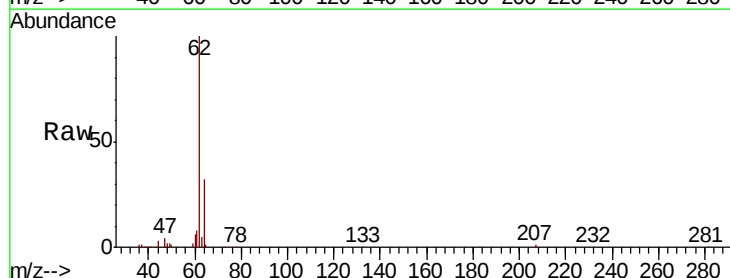
Acq: 05 May 2020 04:34

Tgt Ion: 62 Resp: 147177

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.27

100000

80000

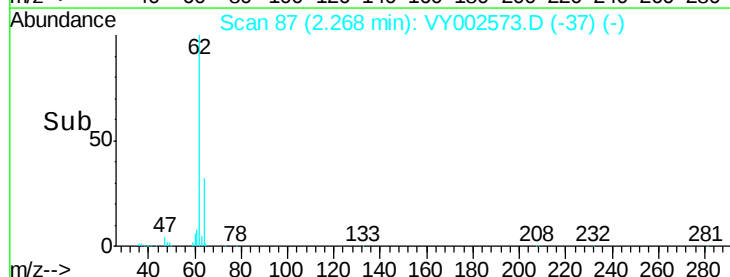
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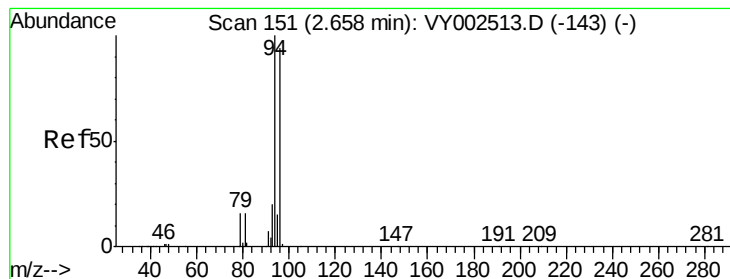
40000

20000

0

Time-->





#5

Bromomethane

Concen: 55.227 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

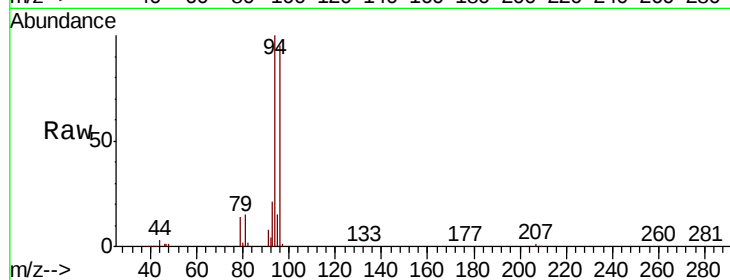
ClientSampleId :

Tot Ion: 94 Resp: 113025

Ion Ratio Lower Upper

94 100

96 95.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.67

50000

40000

30000

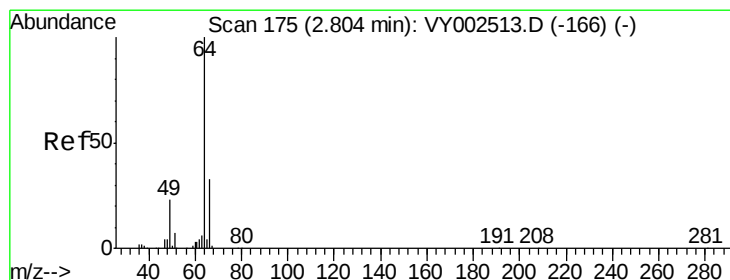
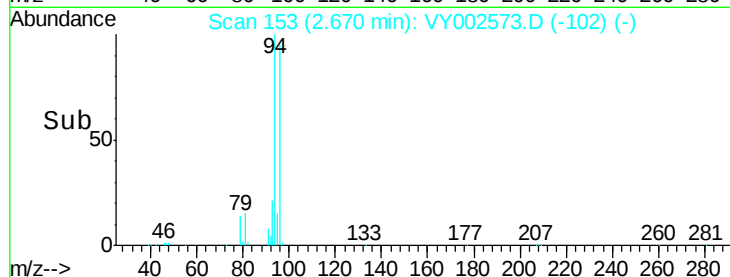
20000

10000

0

Time-->

2.60 2.70 2.80



#6

Chloroethane

Concen: 53.039 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY002573.D

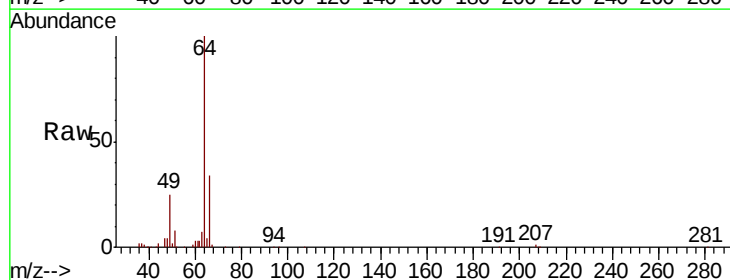
Acq: 05 May 2020 04:34

Tgt Ion: 64 Resp: 93985

Ion Ratio Lower Upper

64 100

66 34.0 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.82

50000

40000

30000

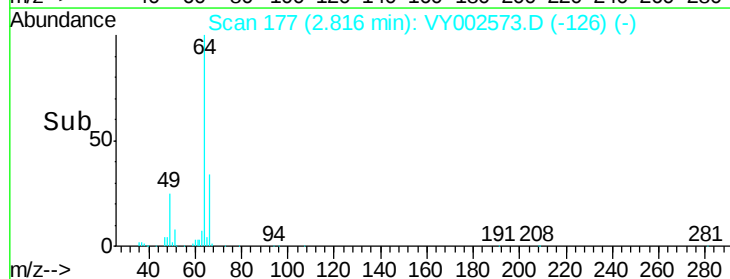
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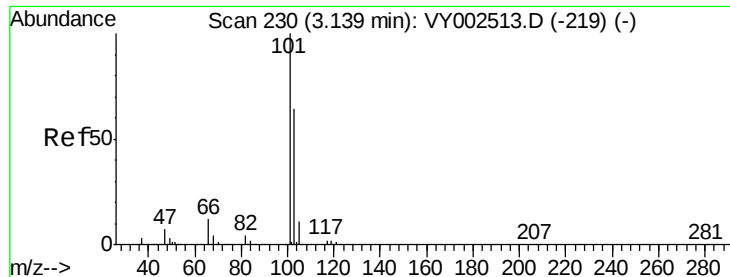
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Time-->

2.70 2.80 2.90 3.00



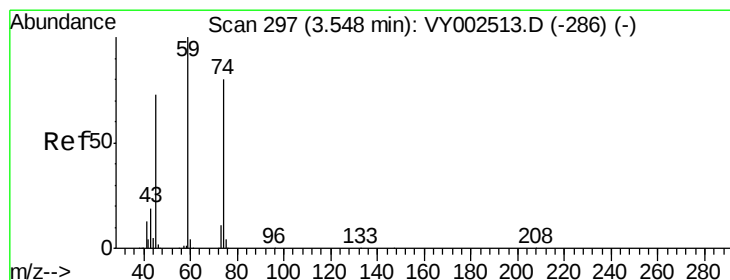
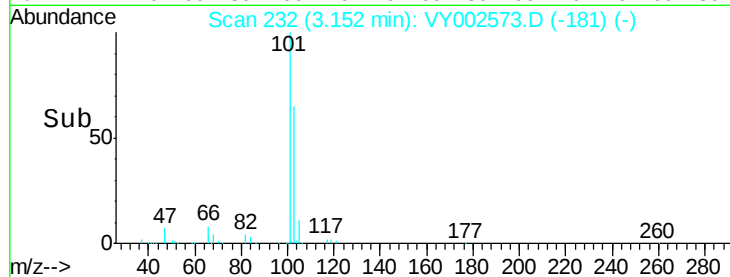
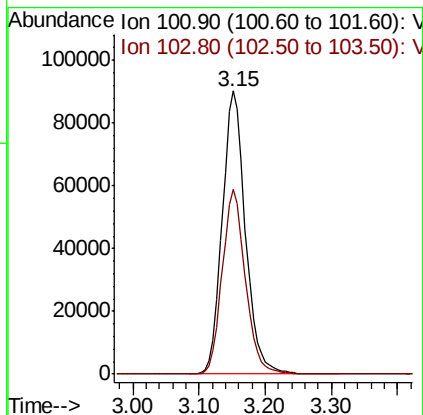
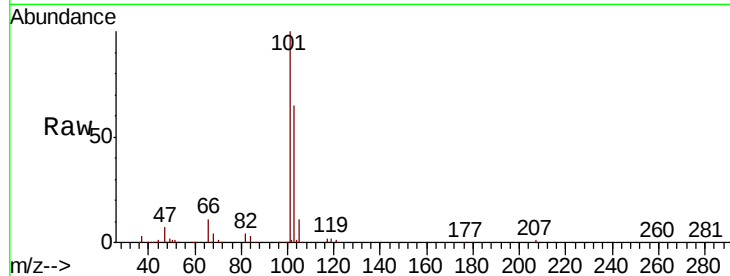


#7

Trichlorofluoromethane
Concen: 47.626 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

Instrument :
MSVOA_Y
ClientSampleId :

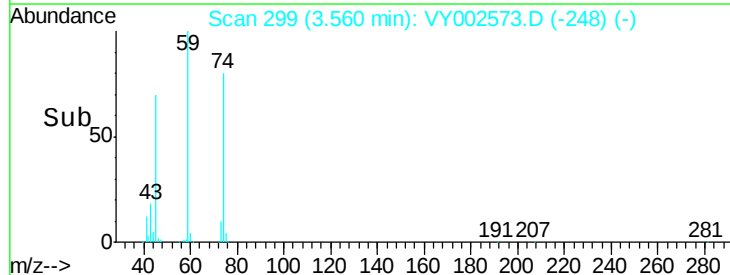
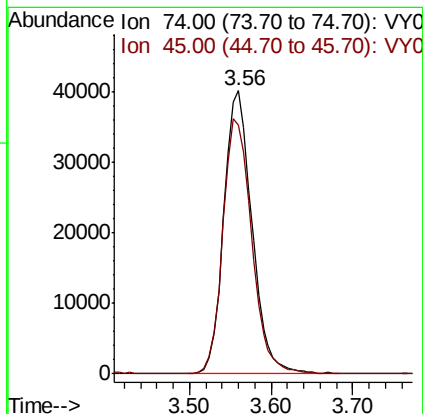
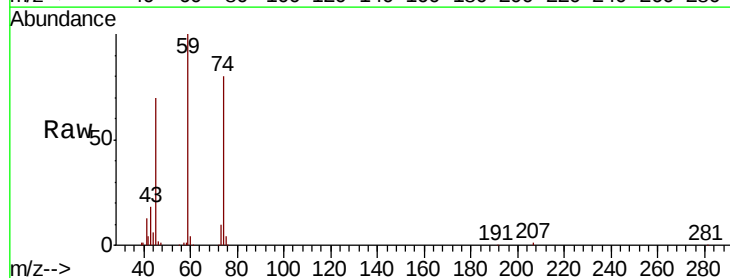
Tot Ion:101 Resp: 219053
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.0

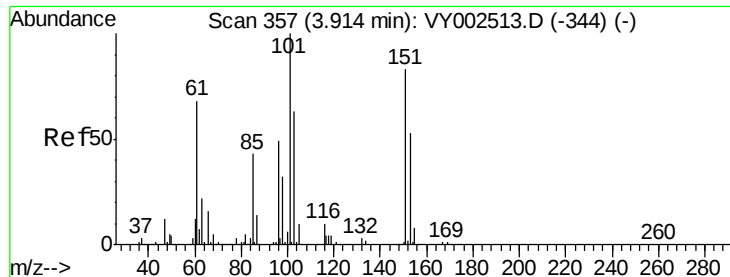


#8

Diethyl Ether
Concen: 62.070 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

Tgt Ion: 74 Resp: 95938
Ion Ratio Lower Upper
74 100
45 92.6 46.2 138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.573 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.02 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

ClientSampleId :

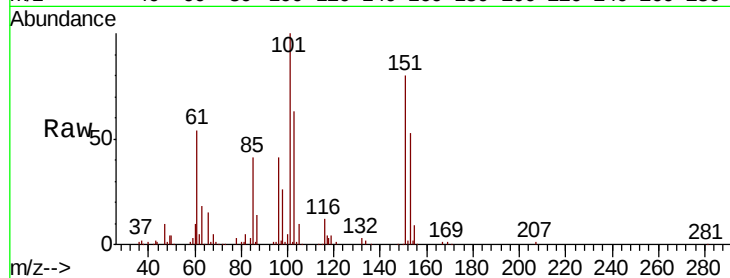
Tot Ion:101 Resp: 136541

Ion Ratio Lower Upper

101 100

85 42.0 33.4 50.2

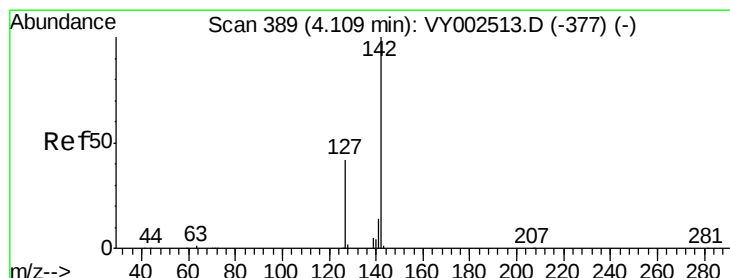
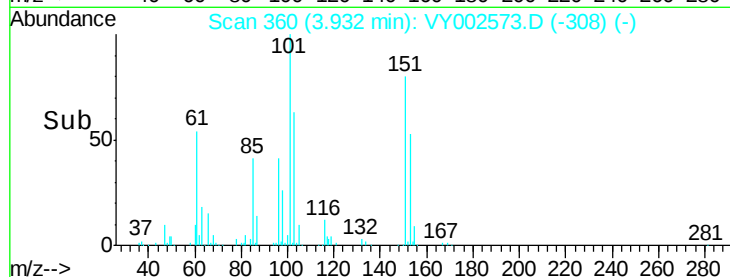
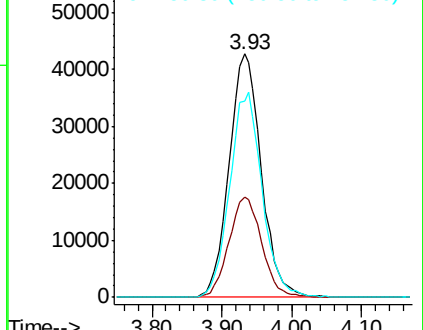
151 85.0 66.8 100.2



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: 56.831 ug/l

RT: 4.13 min Scan# 392

Delta R.T. 0.02 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

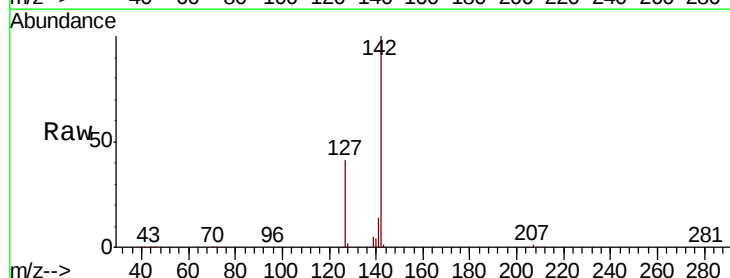
Tgt Ion:142 Resp: 217649

Ion Ratio Lower Upper

142 100

127 41.5 33.7 50.5

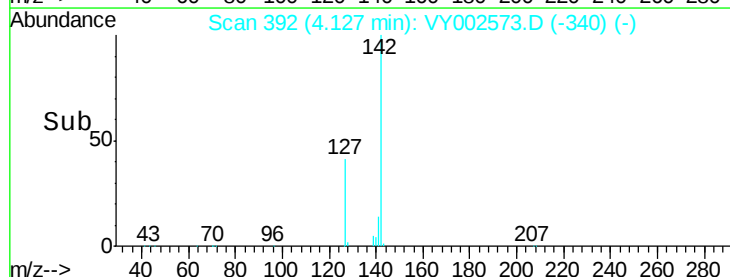
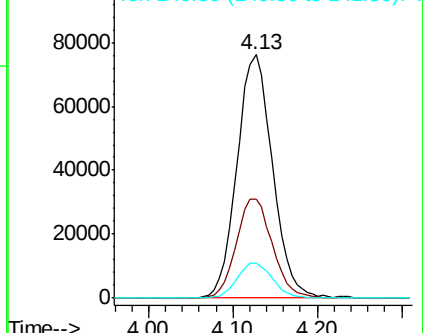
141 14.4 11.4 17.0

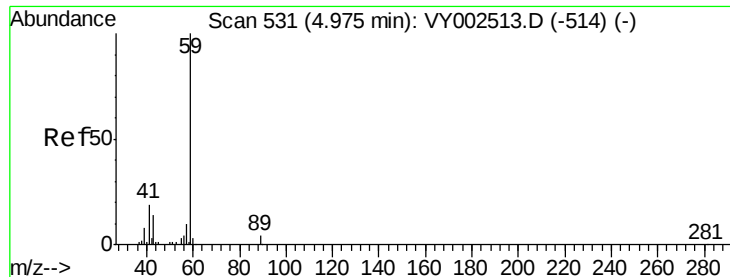


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



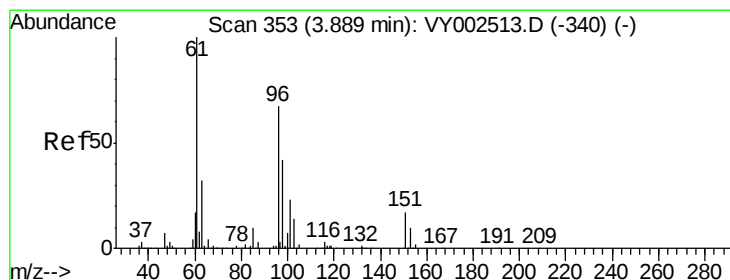
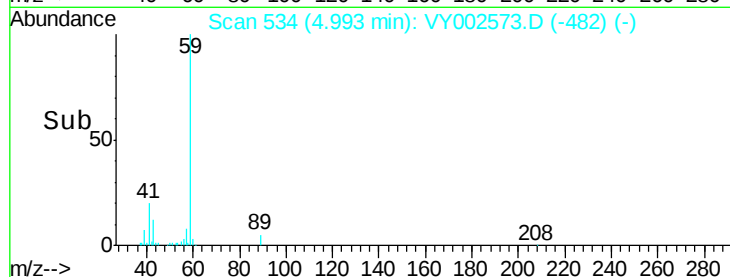
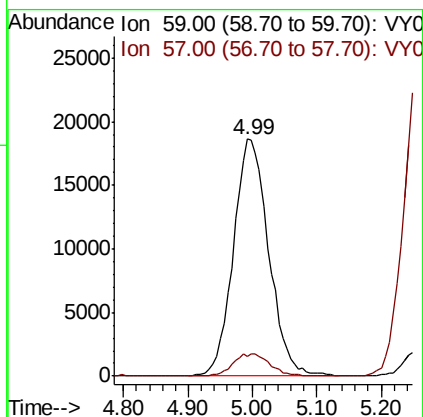
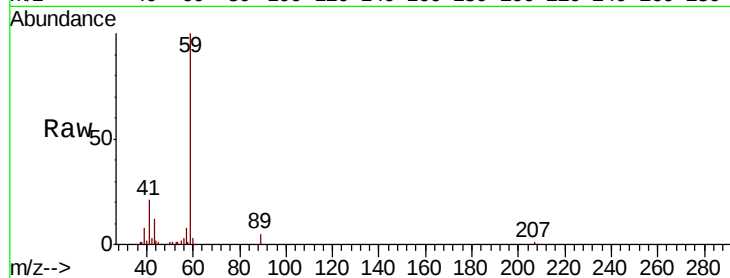


#11

Tert butyl alcohol
 Concen: 257.459 ug/l
 RT: 4.99 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

Instrument :
 MSVOA_Y
 ClientSampled :

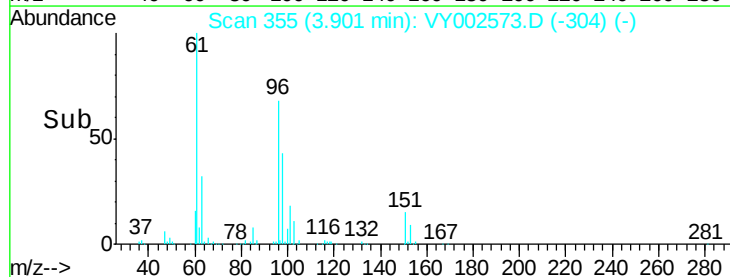
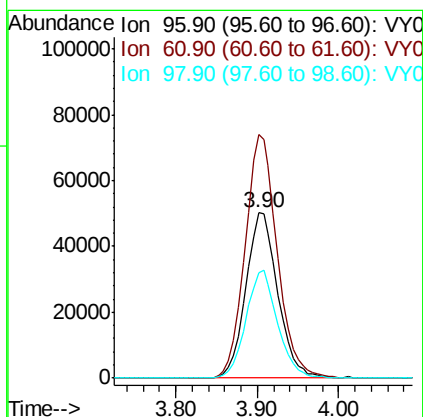
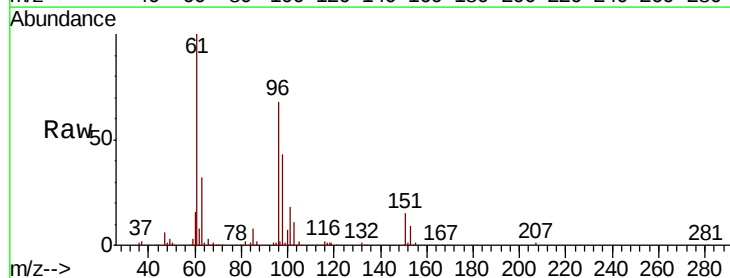
Tot Ion: 59 Resp: 70651
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.8 11.6

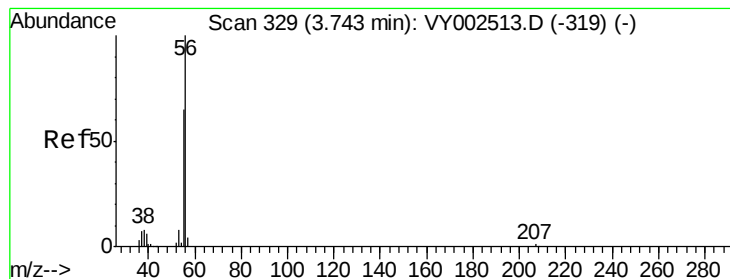


#12

1,1-Dichloroethene
 Concen: 50.161 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

Tgt Ion: 96 Resp: 136981
 Ion Ratio Lower Upper
 96 100
 61 147.2 118.8 178.2
 98 63.8 49.6 74.4





#13

Acrolein

Concen: 258.063 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.02 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

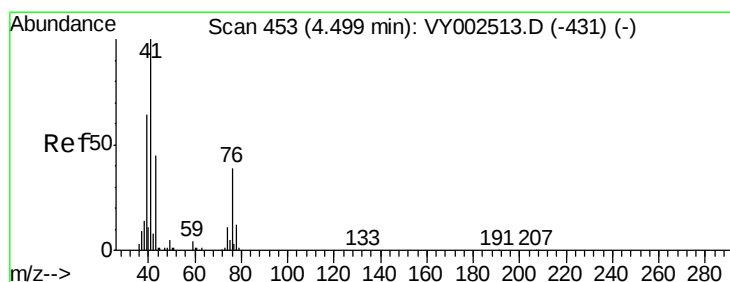
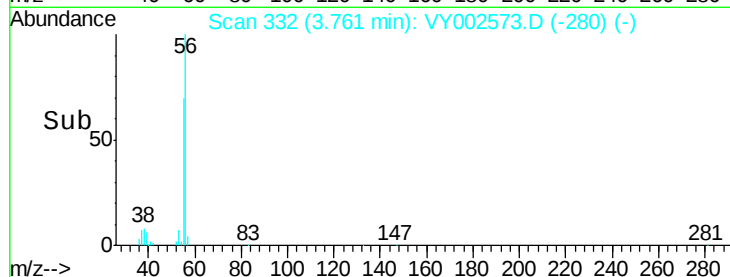
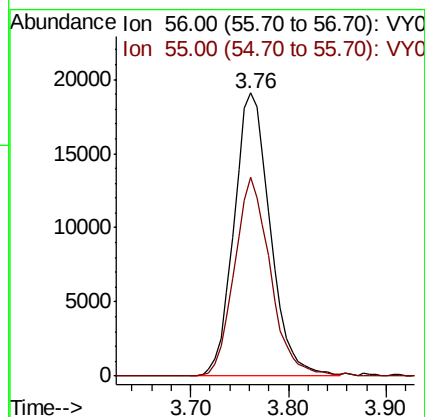
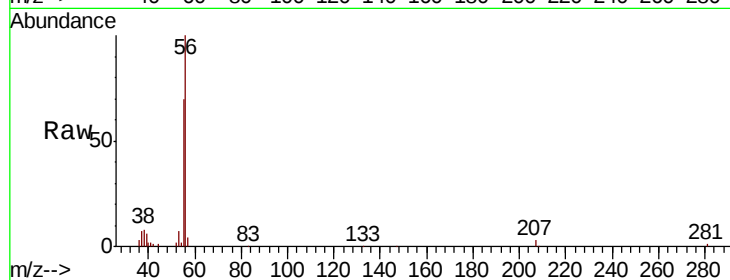
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 48970

Ion Ratio Lower Upper

56 100

55 69.8 53.8 80.6



#14

Allyl chloride

Concen: 56.592 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.02 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

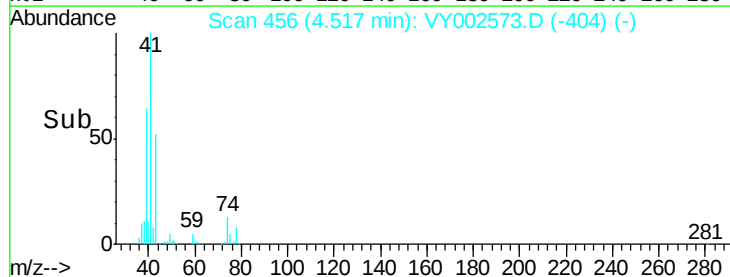
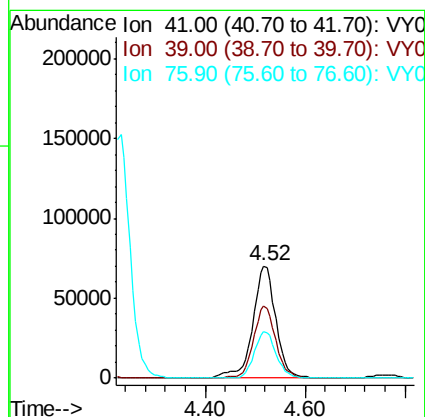
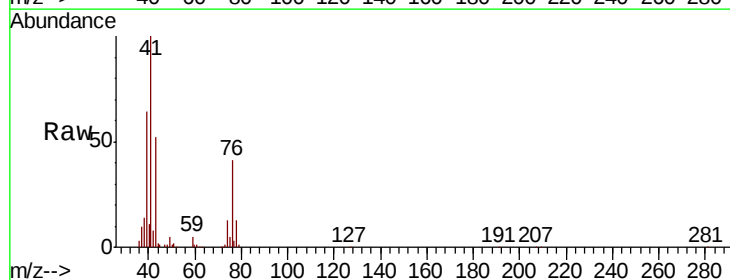
Tgt Ion: 41 Resp: 225169

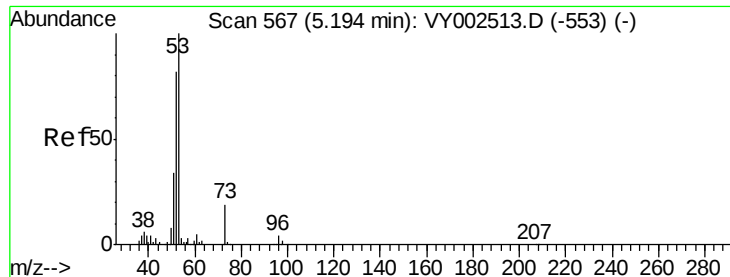
Ion Ratio Lower Upper

41 100

39 62.0 51.8 77.6

76 39.3 31.7 47.5





#15

Acrylonitrile

Concen: 303.052 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

ClientSampleId :

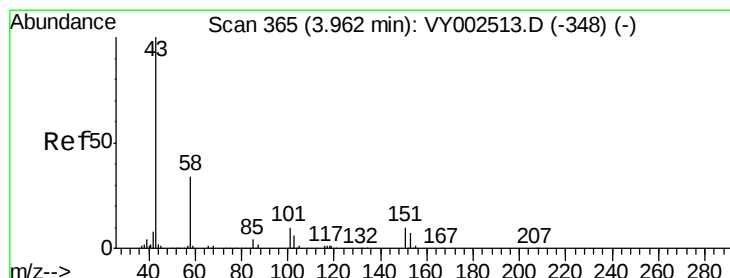
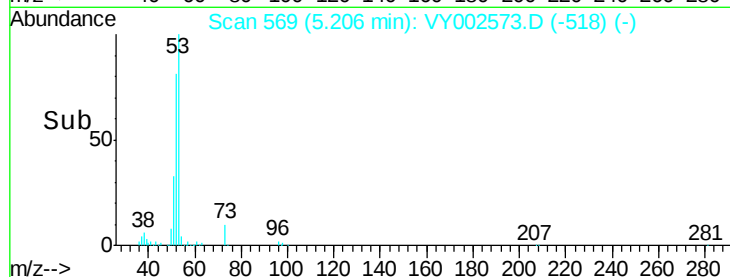
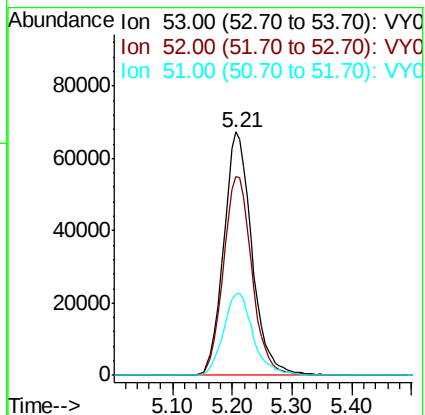
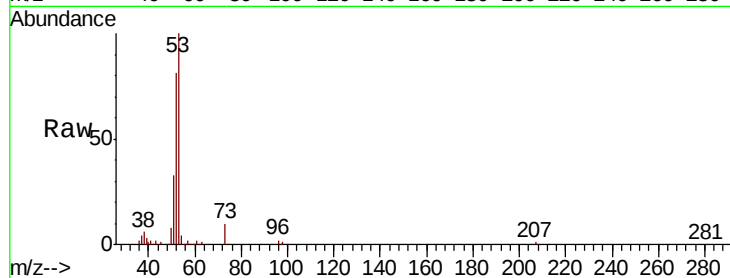
Tot Ion: 53 Resp: 220893

Ion Ratio Lower Upper

53 100

52 82.5 65.4 98.0

51 35.7 28.7 43.1



#16

Acetone

Concen: 283.476 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.02 min

Lab File: VY002573.D

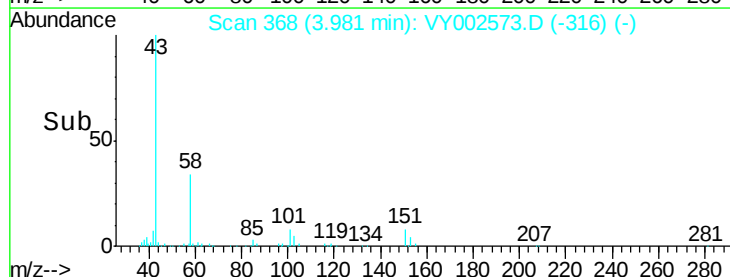
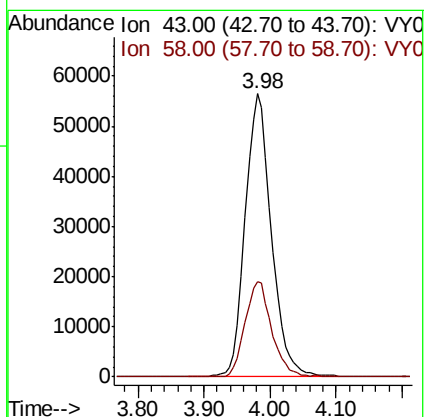
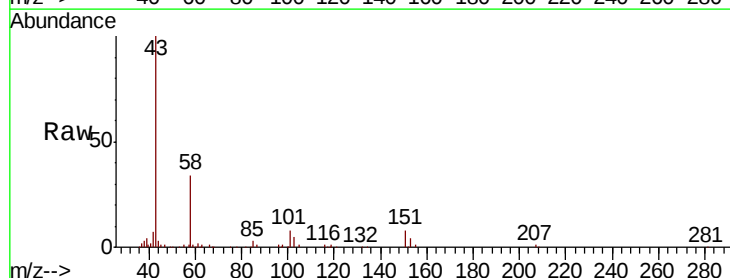
Acq: 05 May 2020 04:34

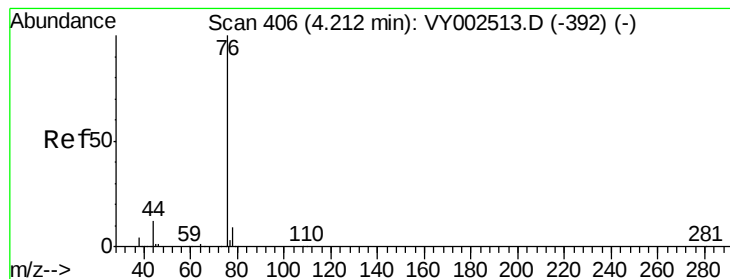
Tgt Ion: 43 Resp: 156044

Ion Ratio Lower Upper

43 100

58 33.5 26.9 40.3





#17

Carbon Disulfide

Concen: 51.965 ug/l

RT: 4.23 min Scan# 409

Delta R.T. 0.02 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

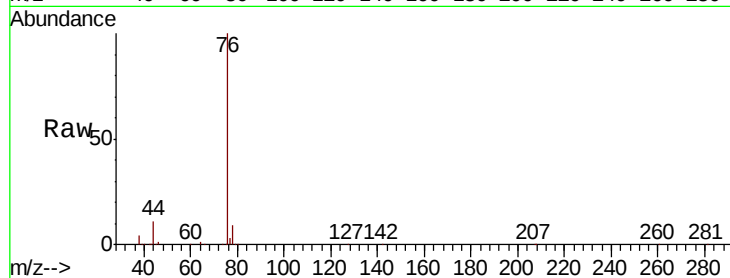
ClientSampleId :

Tot Ion: 76 Resp: 426912

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.23

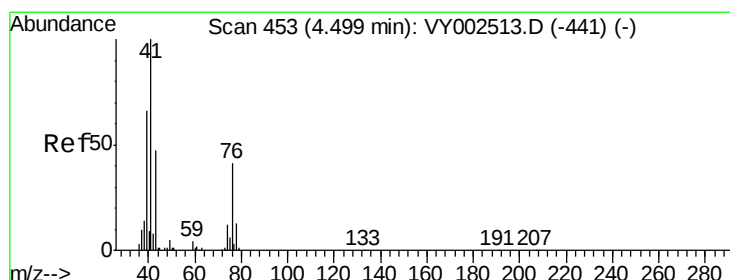
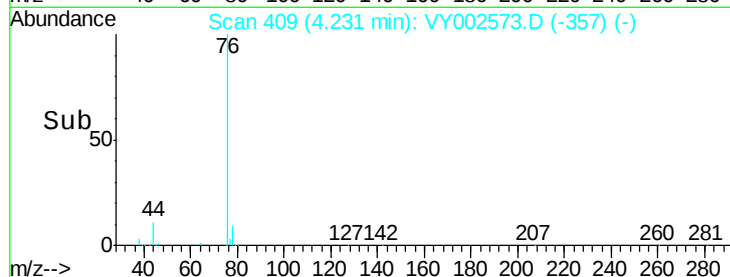
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 59.932 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.02 min

Lab File: VY002573.D

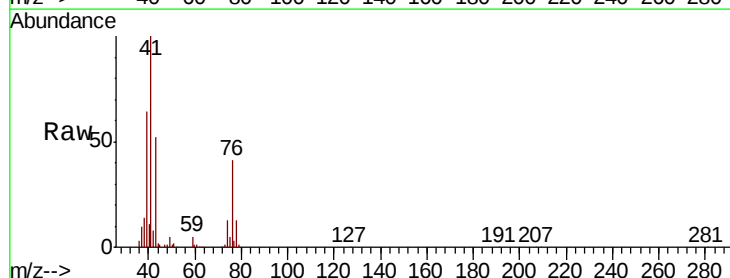
Acq: 05 May 2020 04:34

Tgt Ion: 43 Resp: 110229

Ion Ratio Lower Upper

43 100

74 25.6 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.52

40000

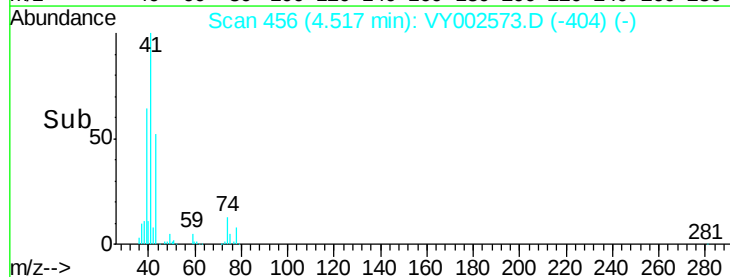
30000

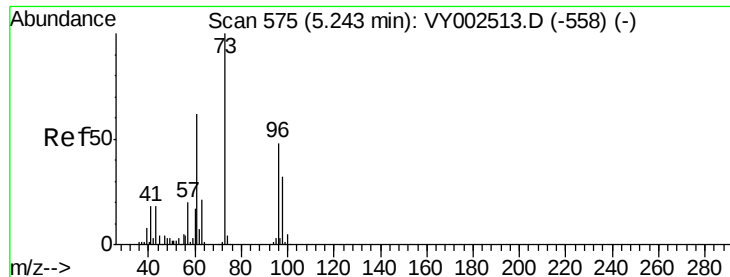
20000

10000

0

Time-->

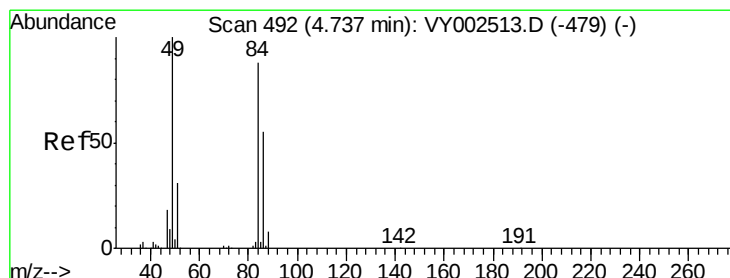
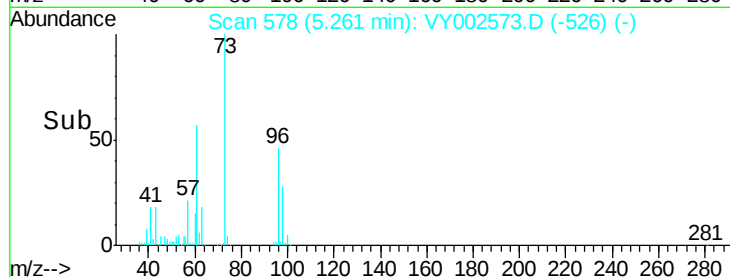
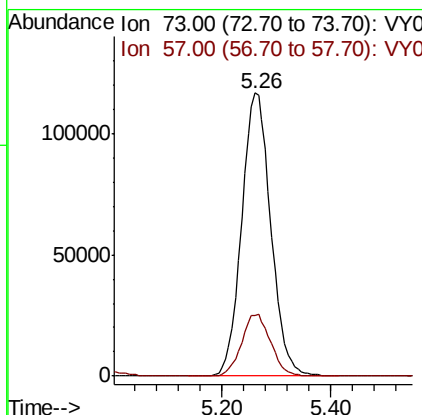
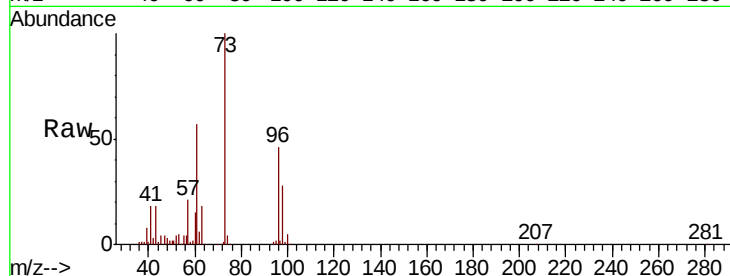




#19
Methvl tert-butvl Ether
Concen: 60.938 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.02 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

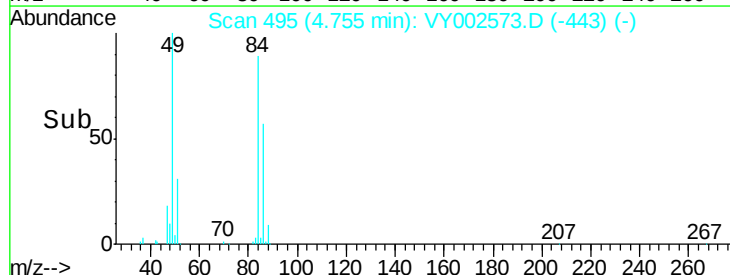
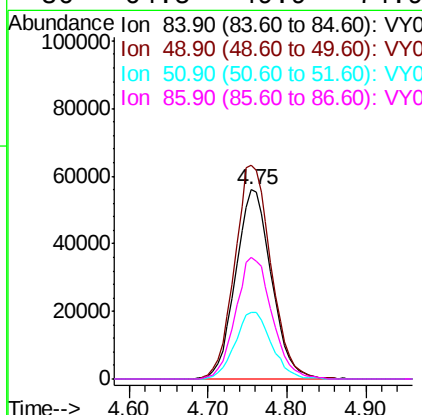
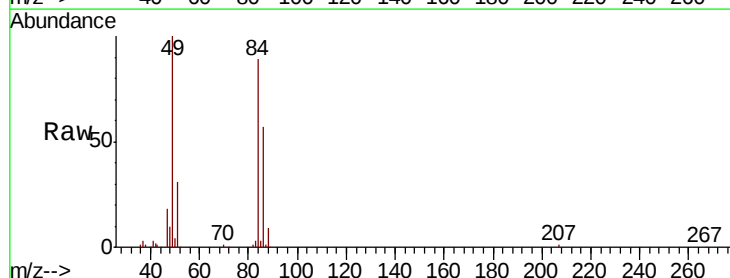
Instrument :
MSVOA_Y
ClientSampled :

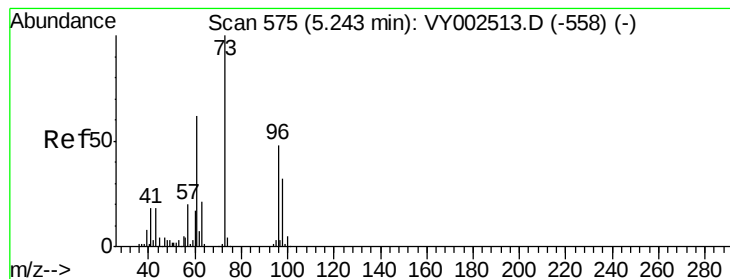
Tot Ion: 73 Resp: 434160
Ion Ratio Lower Upper
73 100
57 21.4 16.3 24.5



#20
Methylene Chloride
Concen: 57.581 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.02 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

Tgt Ion: 84 Resp: 177249
Ion Ratio Lower Upper
84 100
49 112.9 90.5 135.7
51 35.1 28.3 42.5
86 64.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 55.702 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.02 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

ClientSampleId :

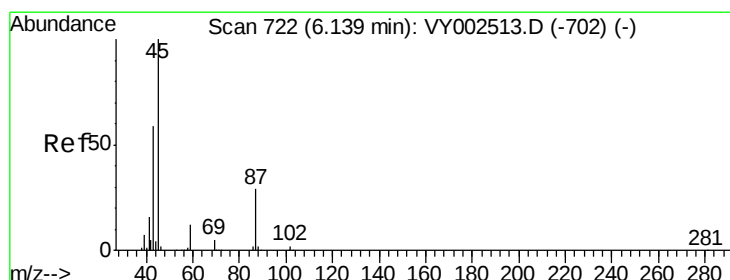
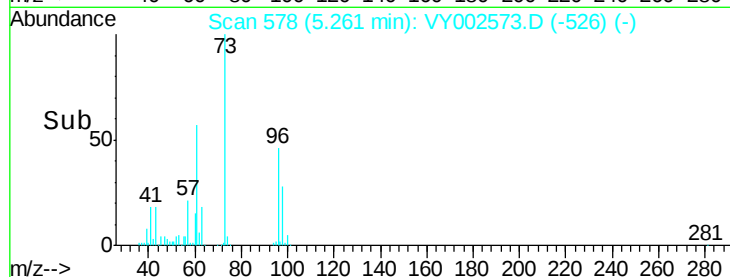
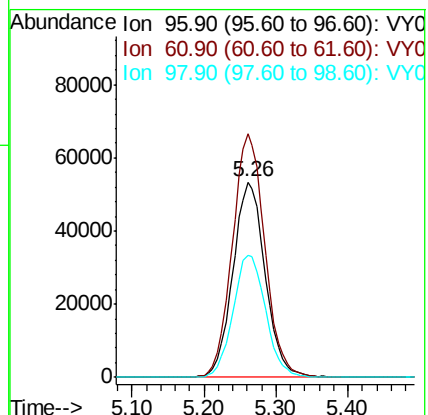
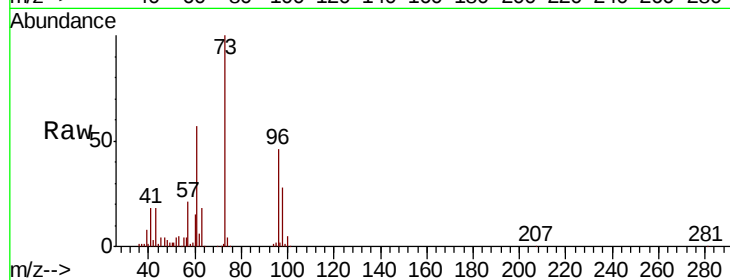
Tot Ion: 96 Resp: 166255

Ion Ratio Lower Upper

96 100

61 124.5 102.0 153.0

98 62.1 53.0 79.4



#22

Diisopropyl ether

Concen: 63.312 ug/l

RT: 6.16 min Scan# 725

Delta R.T. 0.02 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Tgt Ion: 45 Resp: 509706

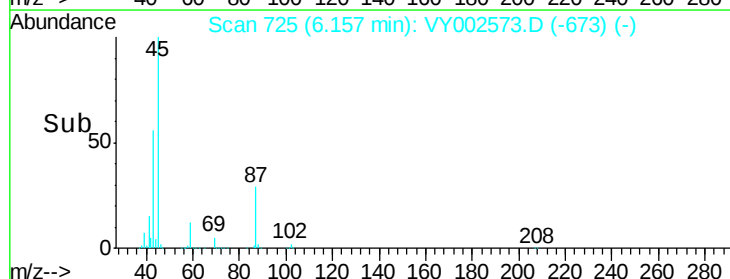
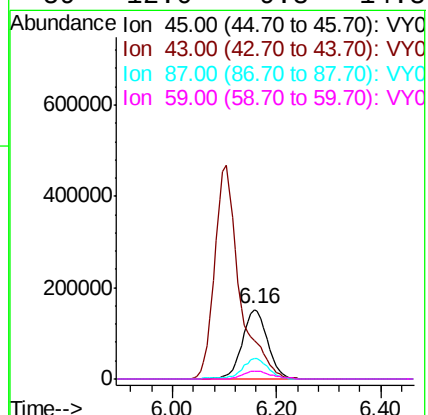
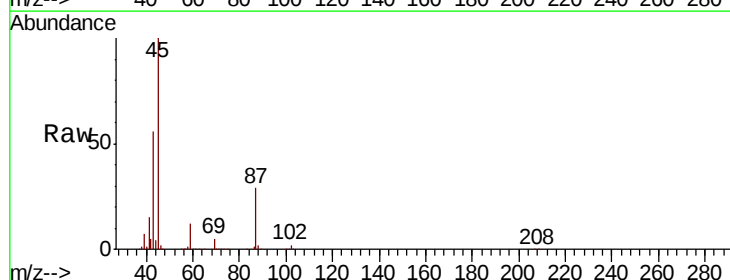
Ion Ratio Lower Upper

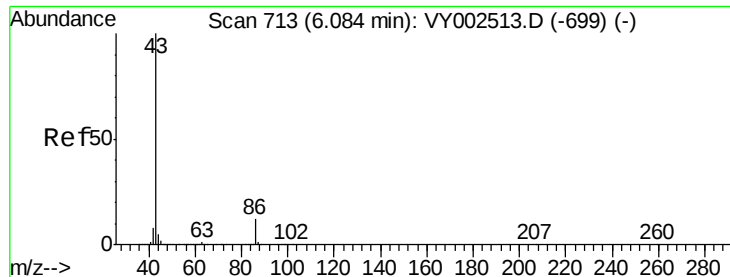
45 100

43 55.6 47.4 71.0

87 29.5 24.0 36.0

59 12.0 9.8 14.8





#23

Vinyl Acetate

Concen: 308.413 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.02 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

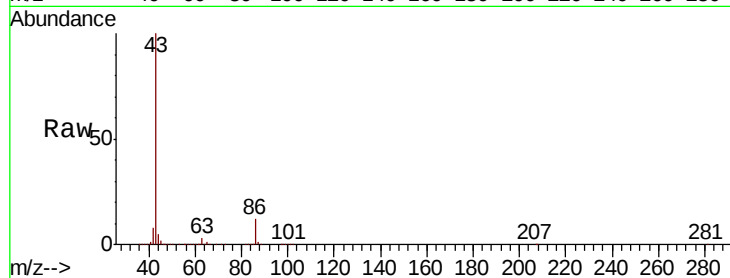
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1561509

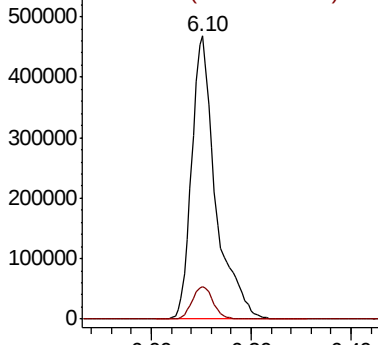
Ion Ratio Lower Upper

43 100

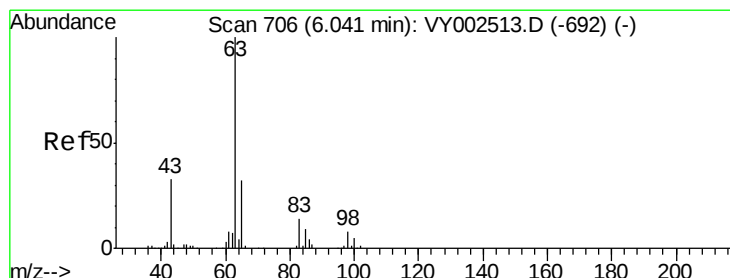
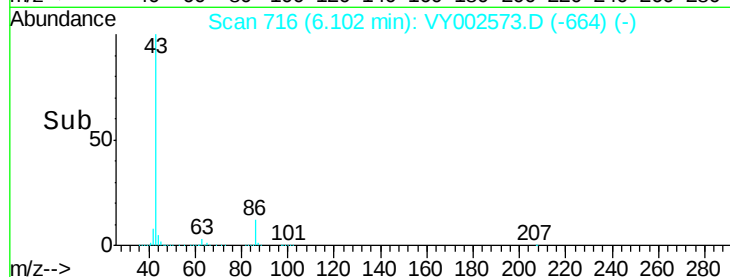
86 11.6 9.8 14.6



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



Time-->



#24

1,1-Dichloroethane

Concen: 58.197 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.02 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

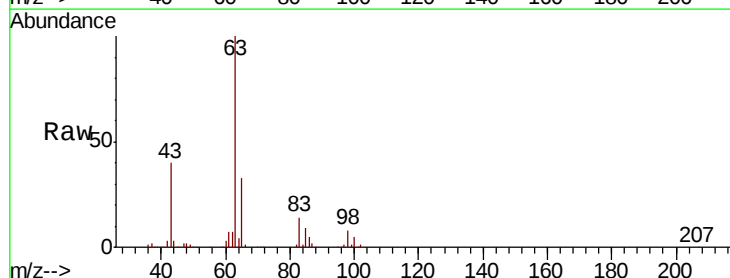
Tgt Ion: 63 Resp: 277179

Ion Ratio Lower Upper

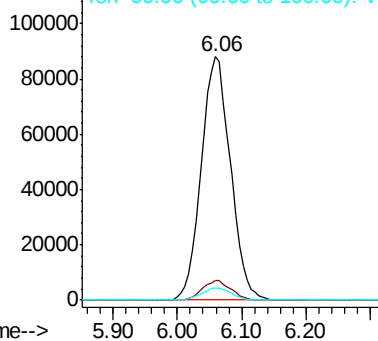
63 100

98 8.0 3.9 11.7

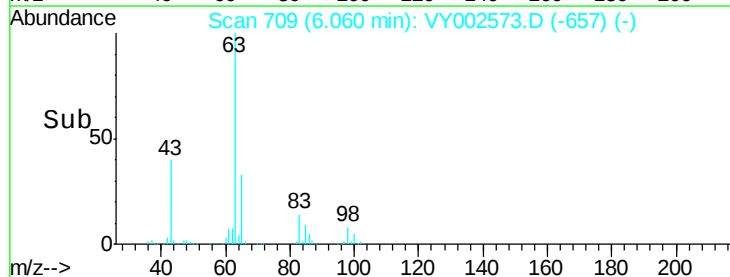
100 4.9 2.4 7.2

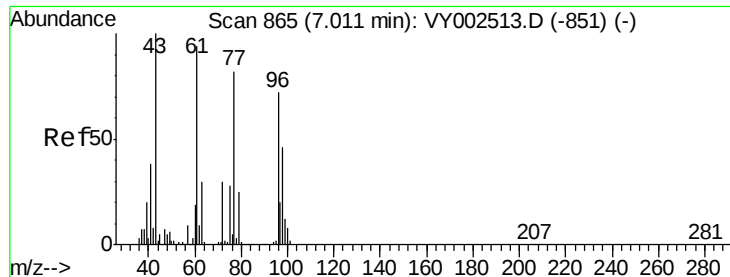


Abundance Ion 62.90 (62.60 to 63.60): VY0
Ion 97.90 (97.60 to 98.60): VY0
Ion 99.90 (99.60 to 100.60): VY0



Time-->





#25

2-Butanone

Concen: 294.604 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

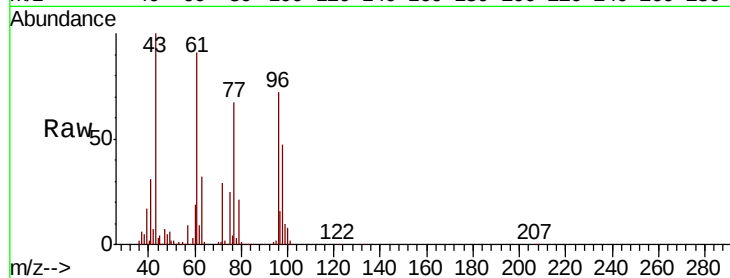
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 265461

Ion Ratio Lower Upper

43 100

72 29.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.02

100000

80000

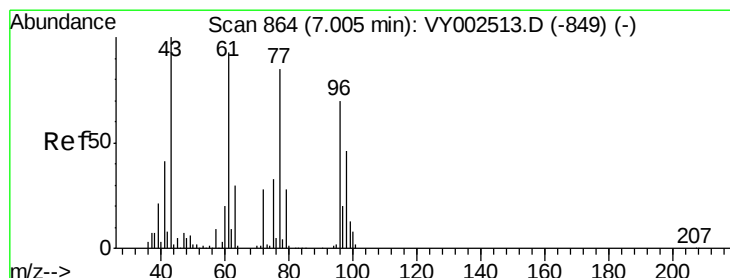
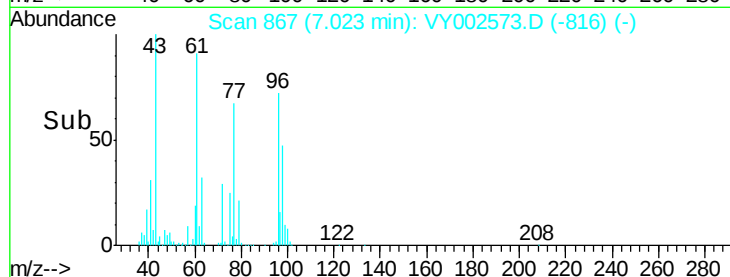
60000

40000

20000

0

Time--> 6.90 6.95 7.00 7.05 7.10



#26

2,2-Dichloropropane

Concen: 44.404 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.02 min

Lab File: VY002573.D

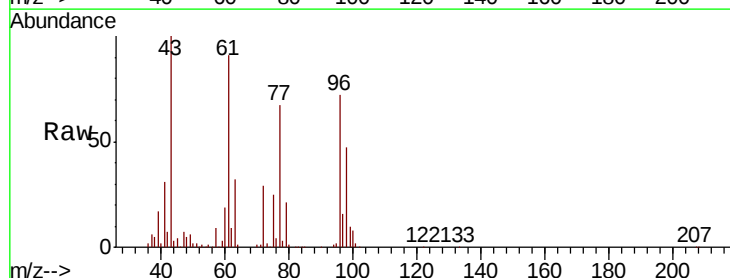
Acq: 05 May 2020 04:34

Tgt Ion: 77 Resp: 201026

Ion Ratio Lower Upper

77 100

97 24.8 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

7.02

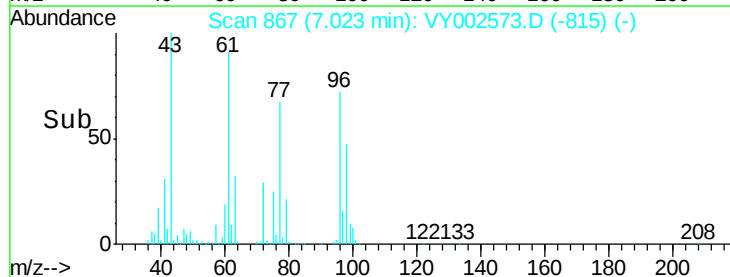
60000

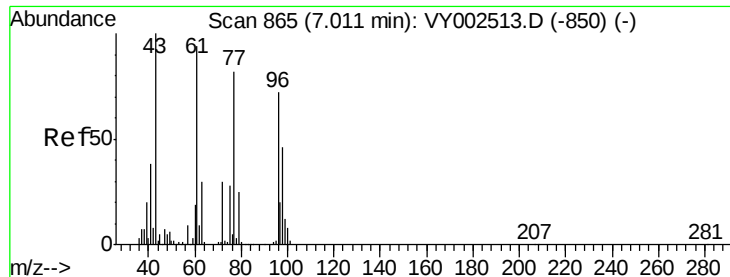
40000

20000

0

Time--> 6.90 7.00 7.10



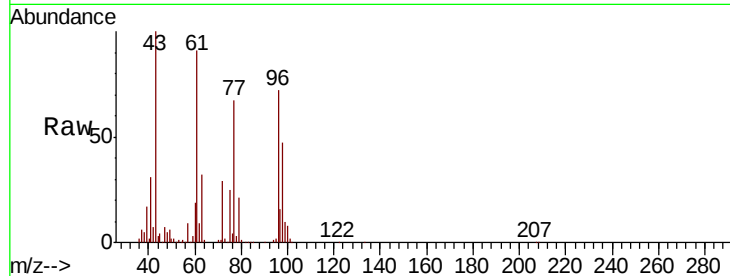


#27

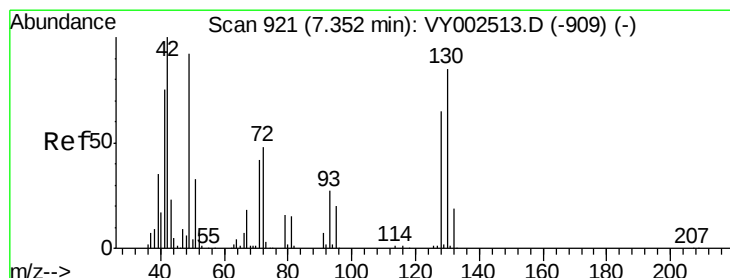
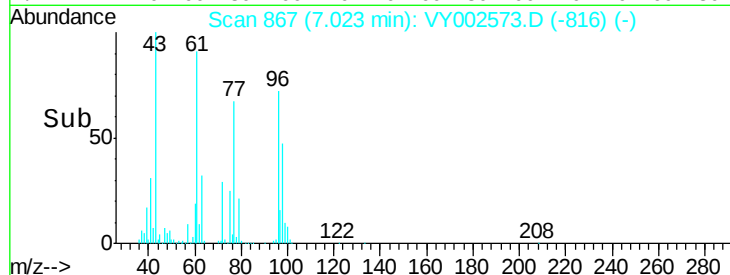
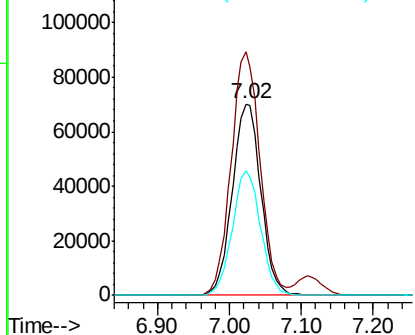
cis-1,2-Dichloroethene
Concen: 58.596 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	96	Resp	193518
Ion	Ratio	Lower	Upper
96	100		
61	129.3	0.0	266.6
98	64.1	0.0	129.2



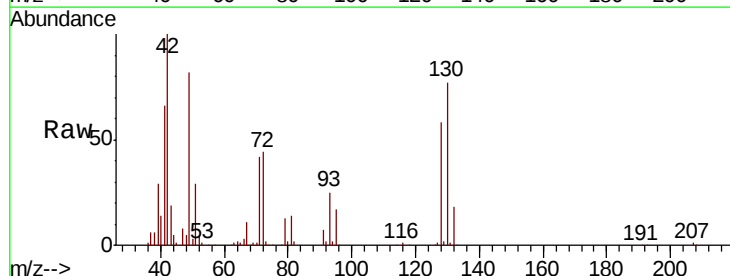
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



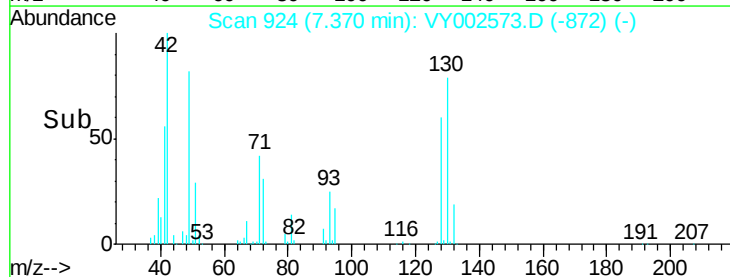
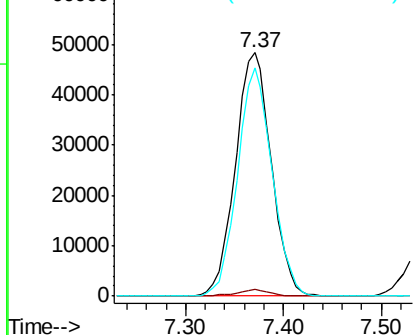
#28

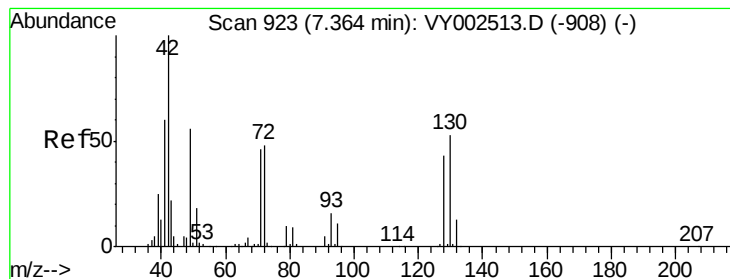
Bromochloromethane
Concen: 63.013 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.02 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

Tgt Ion	49	Resp	122963
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	90.5	72.5	108.7



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





#29

Tetrahydrofuran

Concen: 303.446 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :
MSVOA_Y
ClientSampleId :

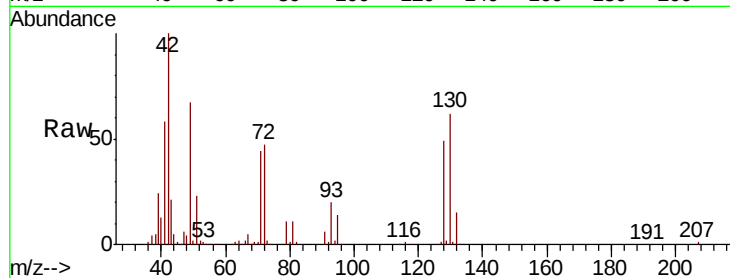
Tot Ion: 42 Resp: 180905

Ion Ratio Lower Upper

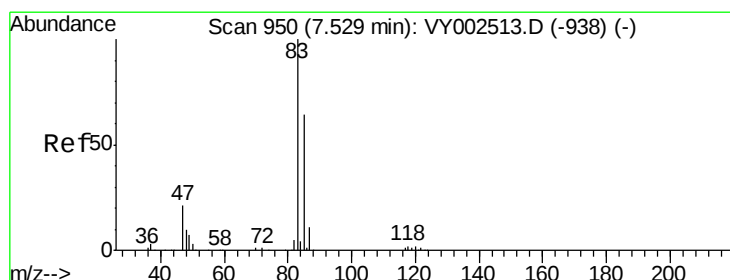
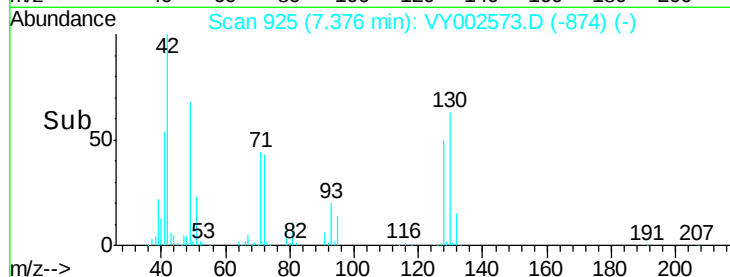
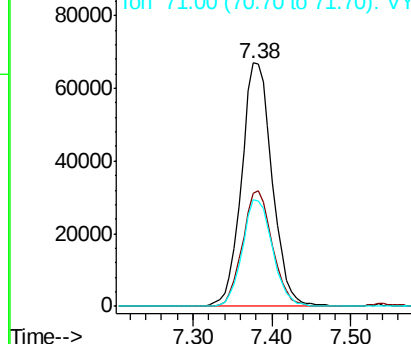
42 100

72 46.4 37.4 56.2

71 43.2 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: 58.560 ug/l

RT: 7.54 min Scan# 952

Delta R.T. 0.01 min

Lab File: VY002573.D

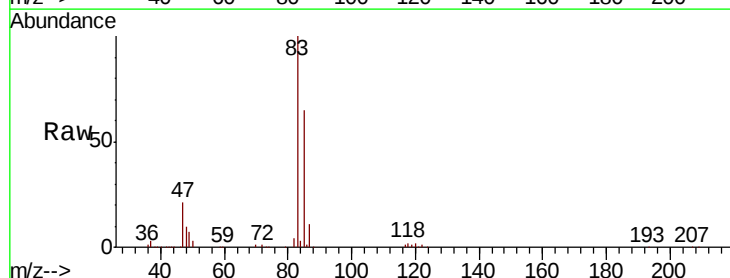
Acq: 05 May 2020 04:34

Tgt Ion: 83 Resp: 290001

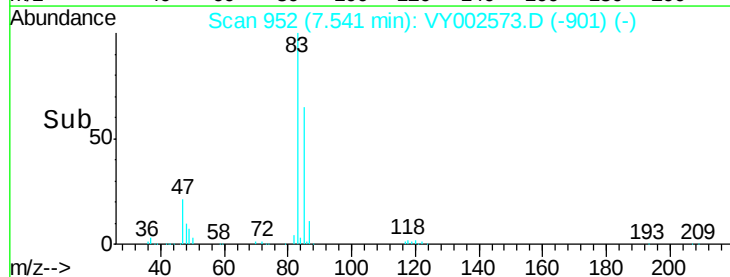
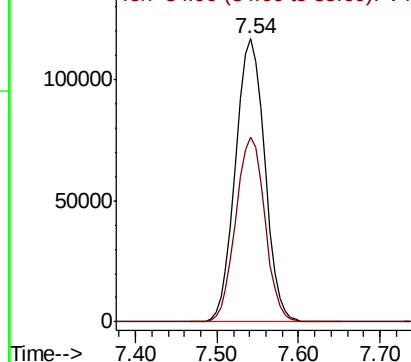
Ion Ratio Lower Upper

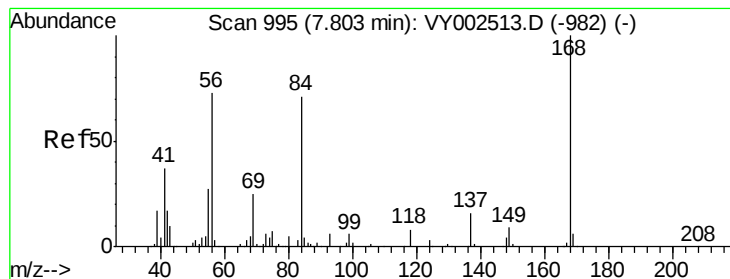
83 100

85 65.2 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: 47.902 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :
MSVOA_Y
ClientSampleId :

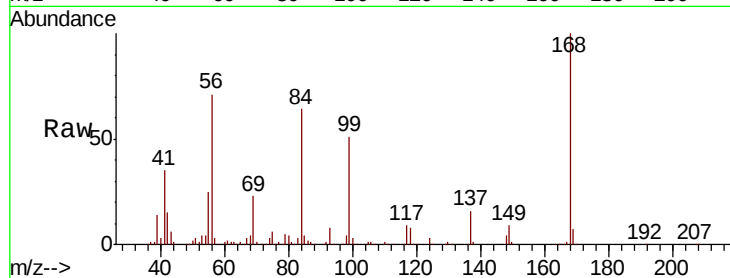
Tot Ion: 56 Resp: 229646

Ion Ratio Lower Upper

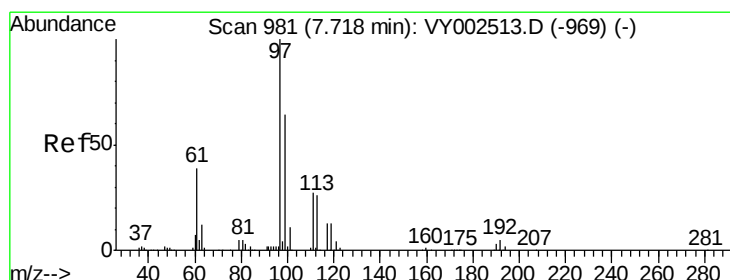
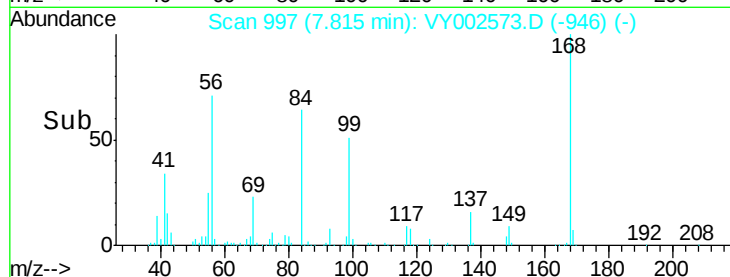
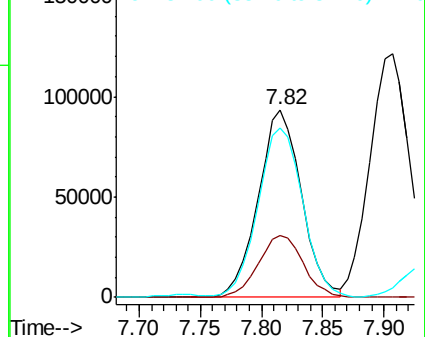
56 100

69 32.8 27.6 41.4

84 89.0 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: 52.446 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.02 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

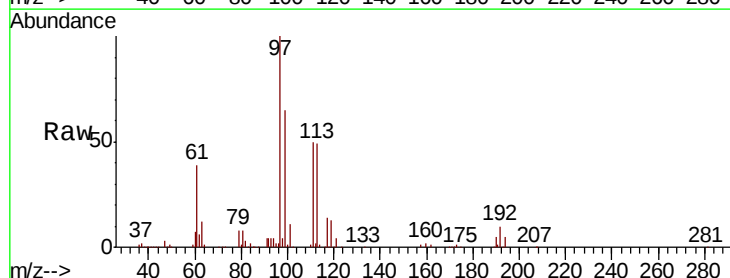
Tgt Ion: 97 Resp: 241403

Ion Ratio Lower Upper

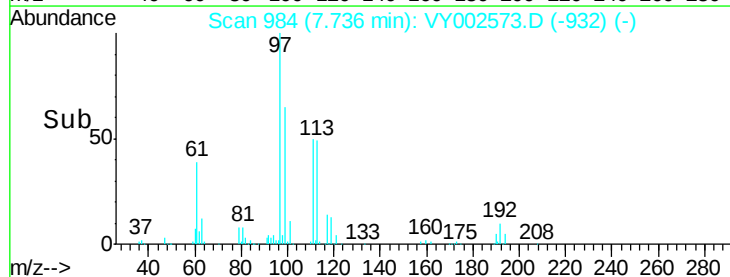
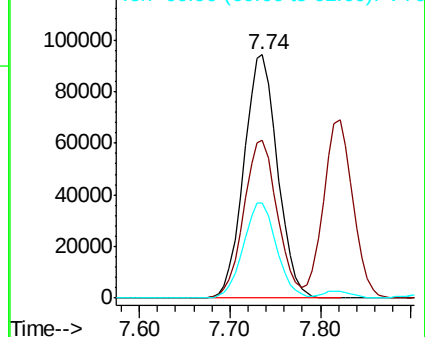
97 100

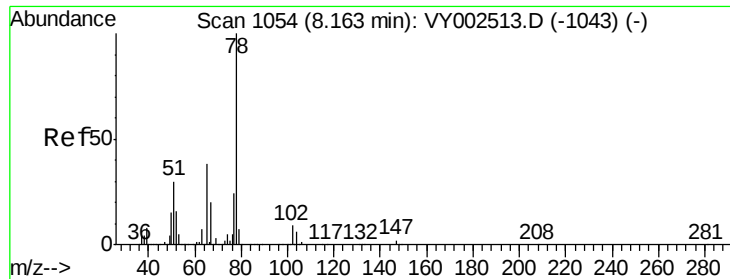
99 64.7 51.9 77.9

61 38.5 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

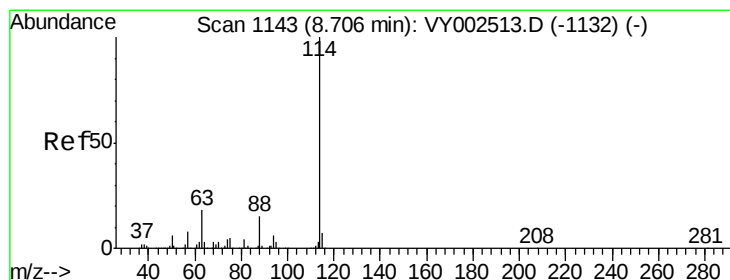
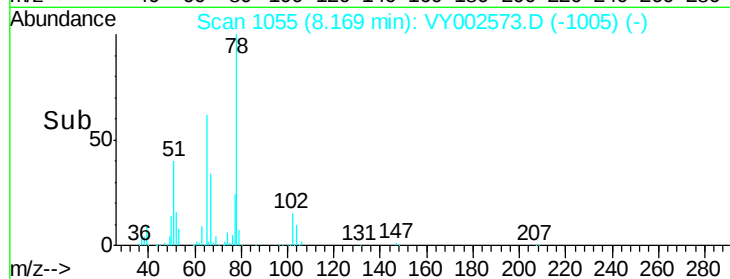
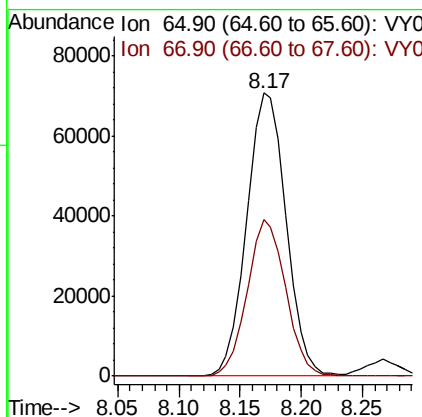
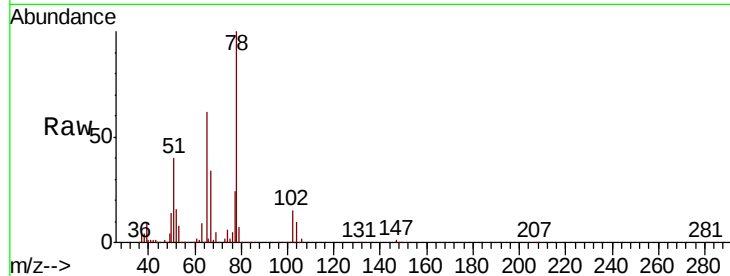




#33
 1,2-Dichloroethane-d4
 Concen: 59.506 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

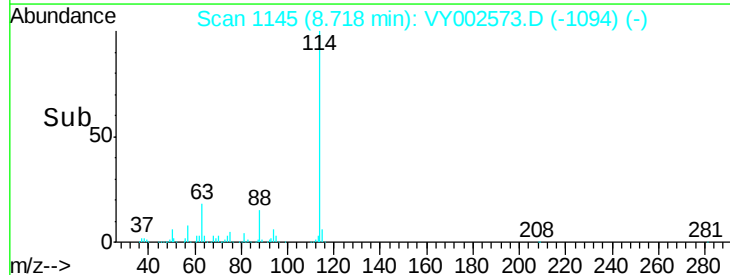
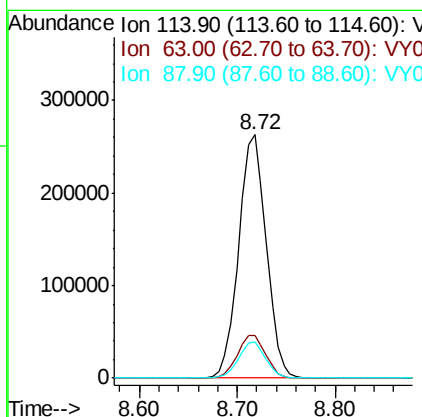
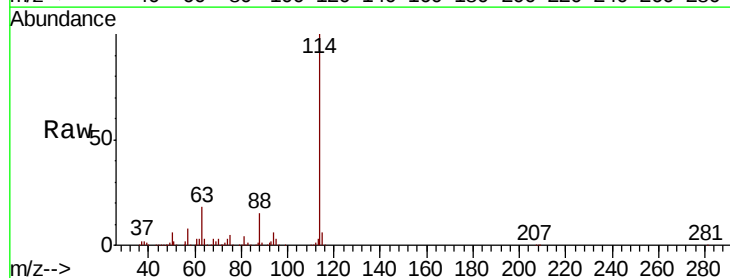
Instrument :
 MSVOA_Y
 ClientSampleId :

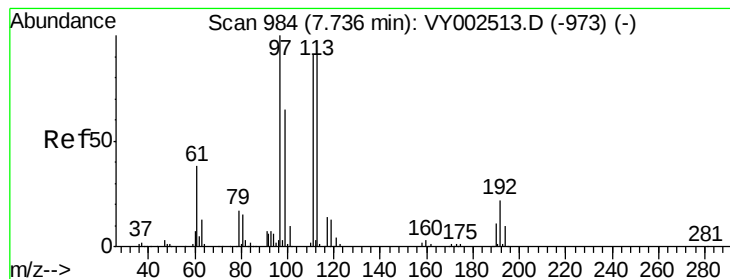
Tot Ion: 65 Resp: 158719
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

Tgt Ion: 114 Resp: 514033
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.4
 88 15.0 0.0 29.6





#35

Dibromofluoromethane

Concen: 55.200 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

ClientSampleId :

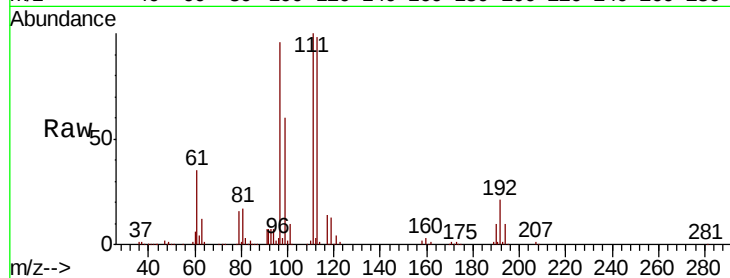
Tot Ion:113 Resp: 162274

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.6

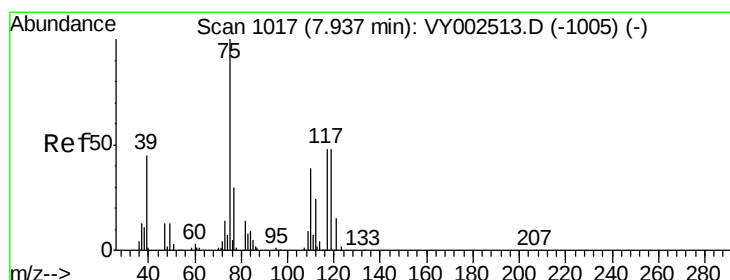
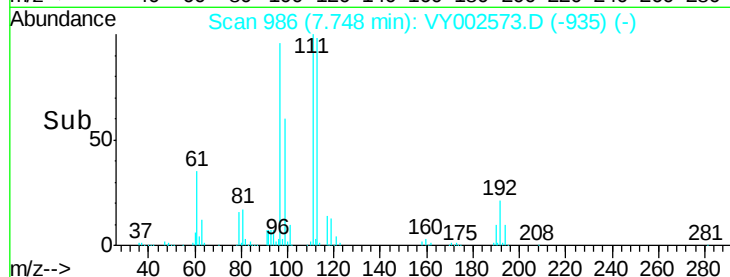
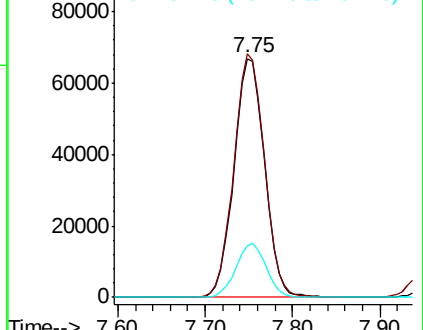
192 22.4 18.2 27.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.620 ug/l

RT: 7.95 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

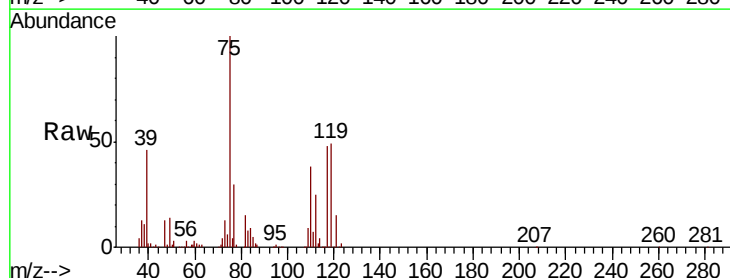
Tgt Ion: 75 Resp: 205202

Ion Ratio Lower Upper

75 100

110 38.0 19.1 57.3

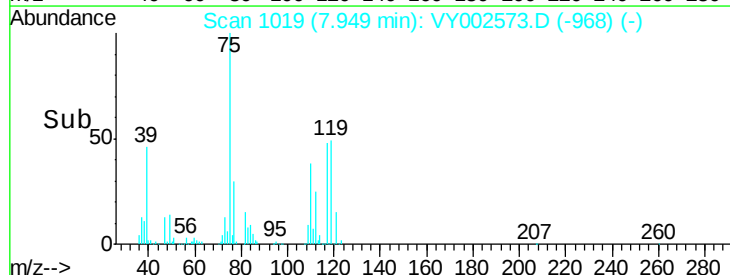
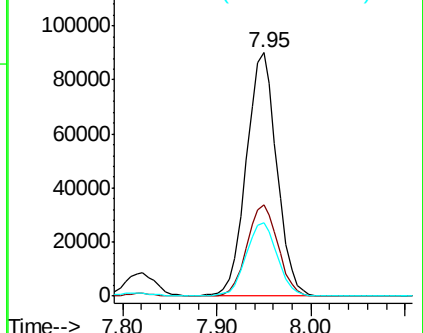
77 31.0 24.6 37.0

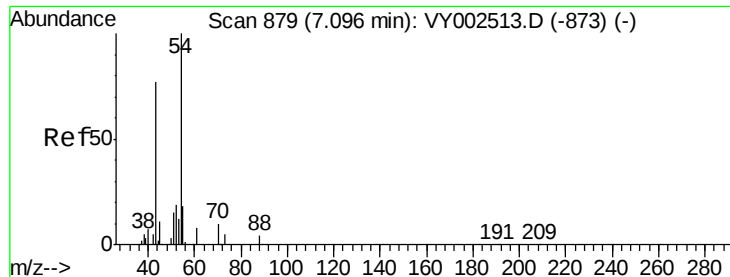


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

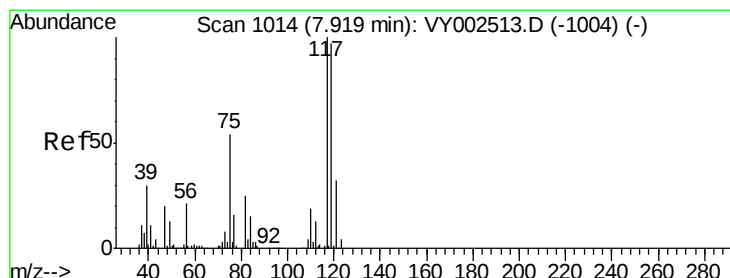
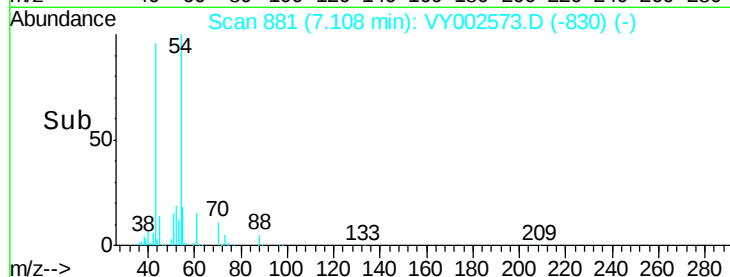
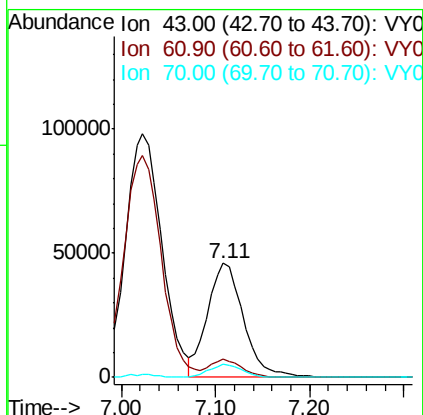
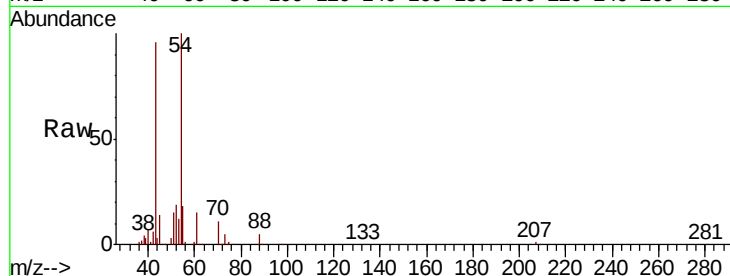




#37
Ethyl Acetate
Concen: 55.089 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

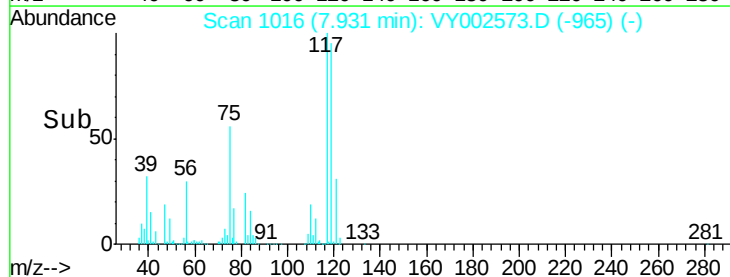
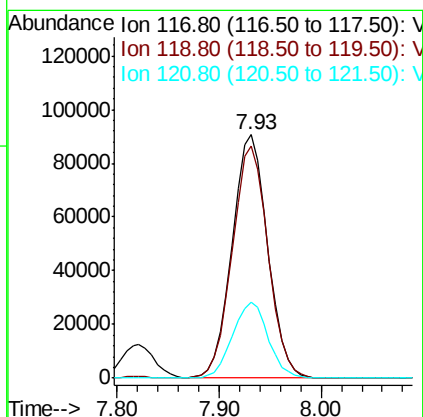
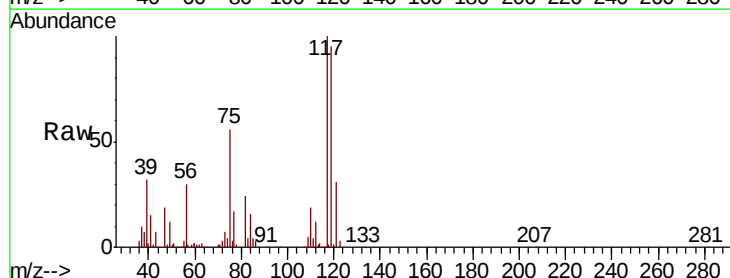
Instrument :
MSVOA_Y
ClientSampled :

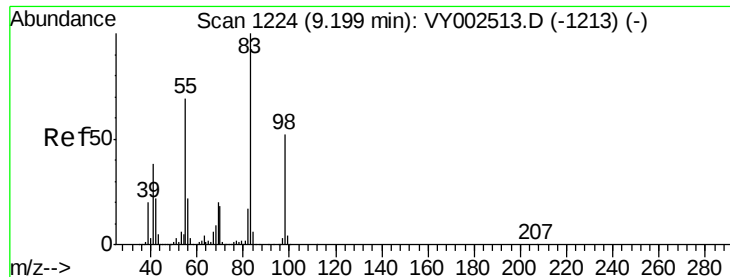
Tot Ion: 43 Resp: 121988
Ion Ratio Lower Upper
43 100
61 14.1 11.6 17.4
70 11.1 9.0 13.6



#38
Carbon Tetrachloride
Concen: 46.468 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

Tgt Ion: 117 Resp: 218615
Ion Ratio Lower Upper
117 100
119 95.5 77.1 115.7
121 31.3 25.2 37.8

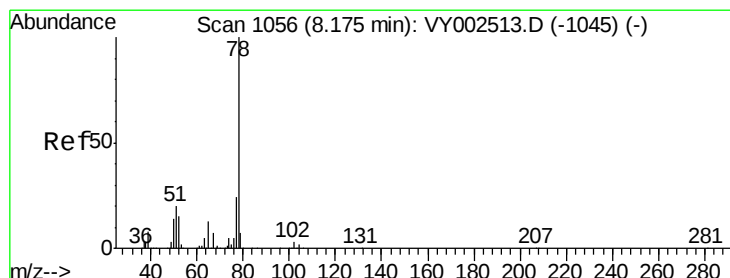
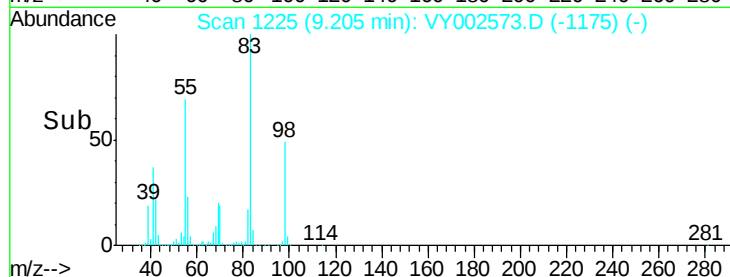
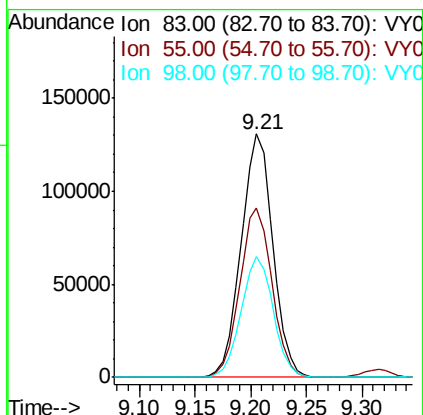
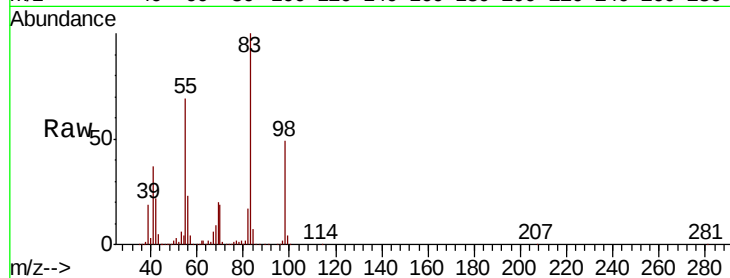




#39
Methvlcvclohexane
Concen: 45.453 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

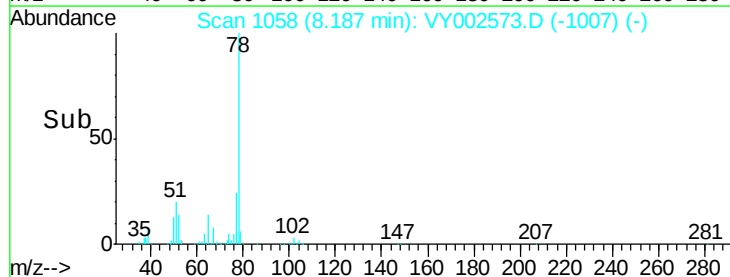
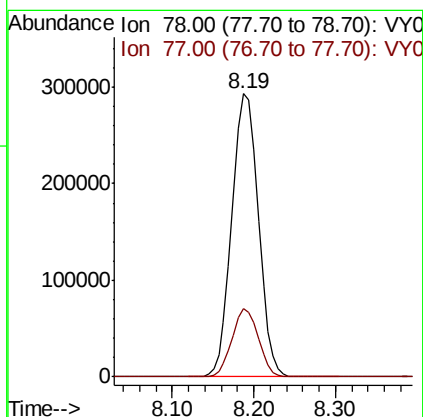
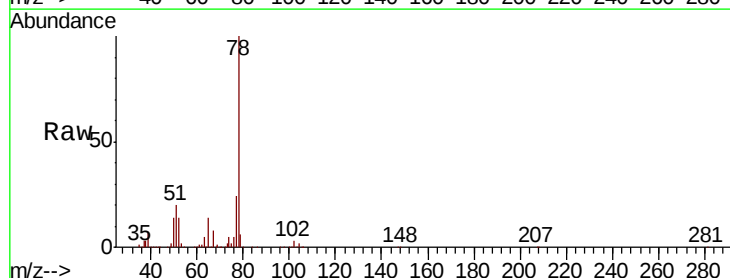
Instrument :
MSVOA_Y
ClientSampleId :

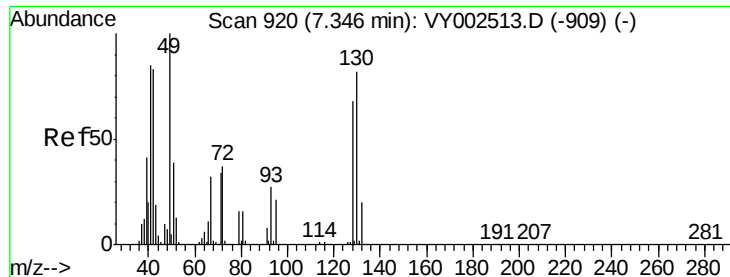
Tot Ion: 83 Resp: 258699
Ion Ratio Lower Upper
83 100
55 69.4 55.4 83.0
98 49.4 41.3 61.9



#40
Benzene
Concen: 52.989 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

Tgt Ion: 78 Resp: 659497
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8

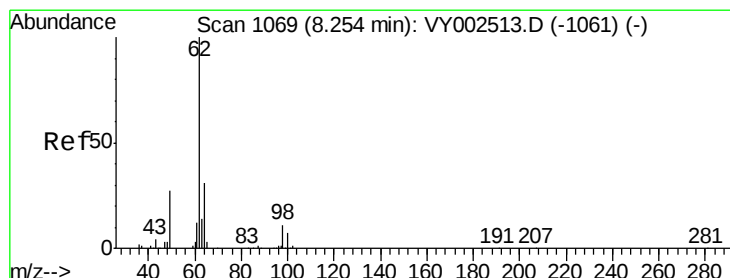
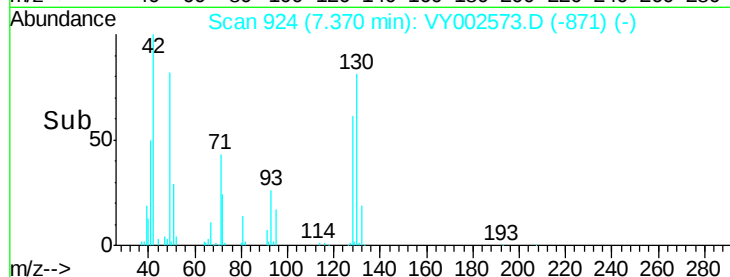
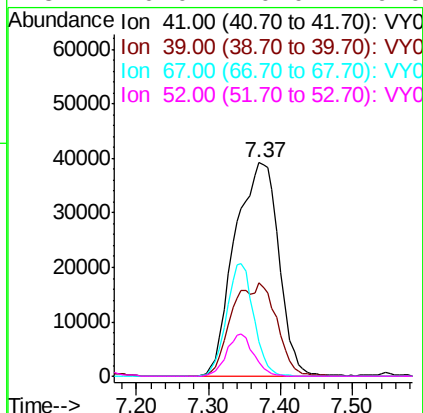
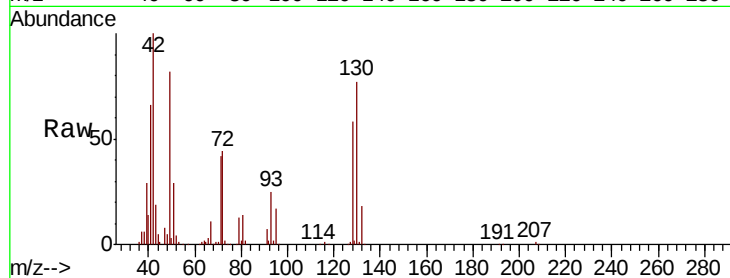




#41
Methacrylonitrile
Concen: 140.128 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.02 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

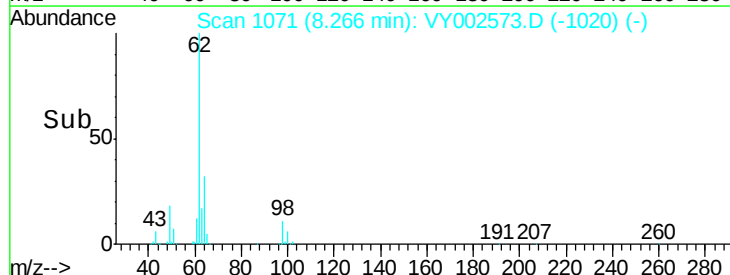
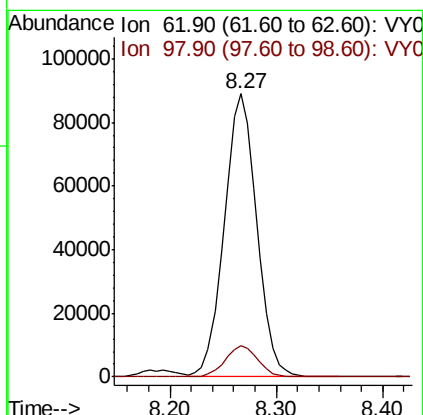
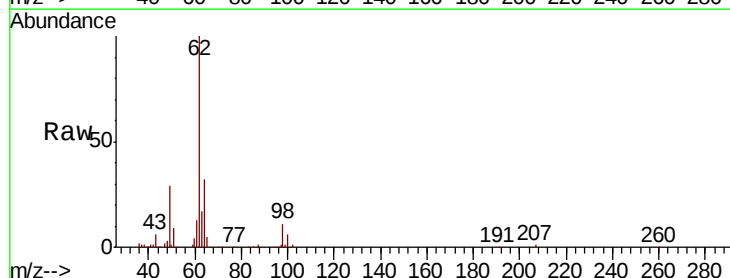
Instrument :
MSVOA_Y
ClientSampleId :

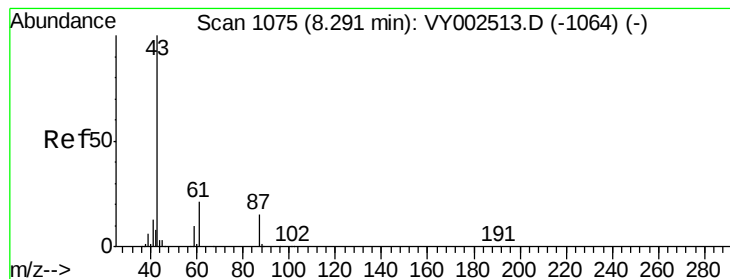
Tot Ion	41	Resp	166838
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 54.236 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

Tgt Ion	62	Resp	189342
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.0



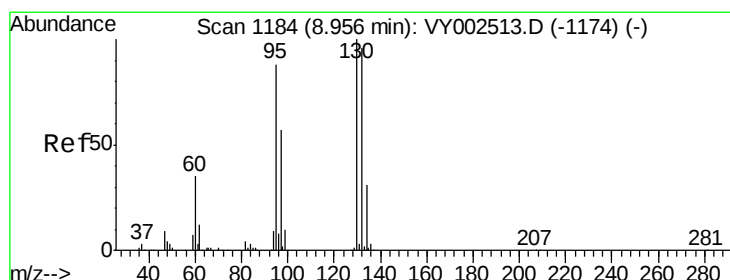
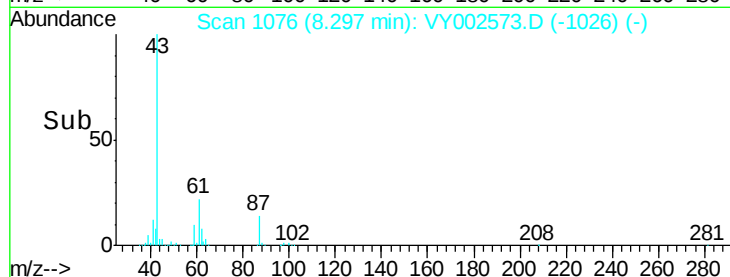
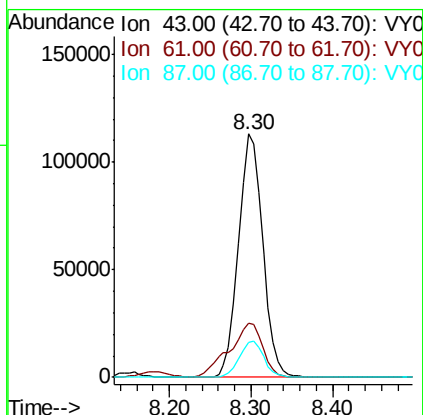
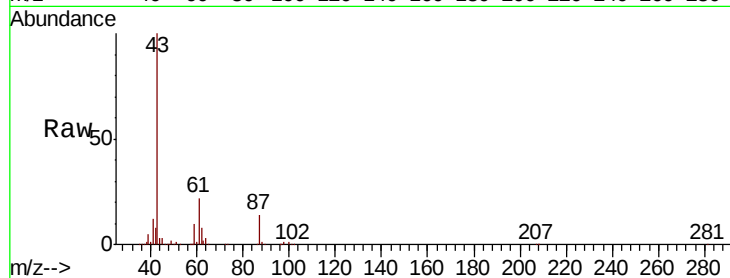


#43

Isopropyl Acetate
 Concen: 56.151 ug/l
 RT: 8.30 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

Instrument :
 MSVOA_Y
 ClientSampleId :

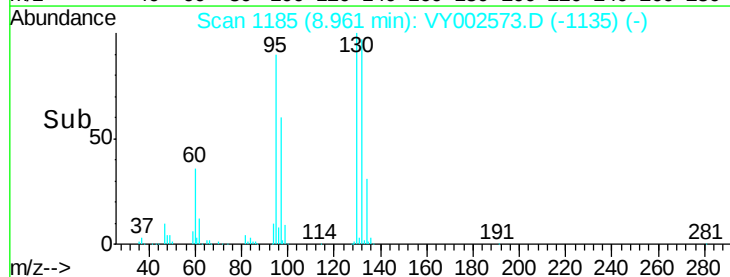
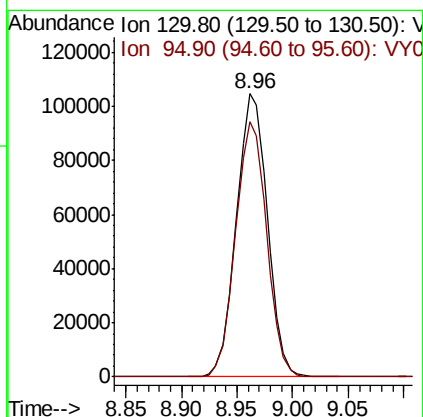
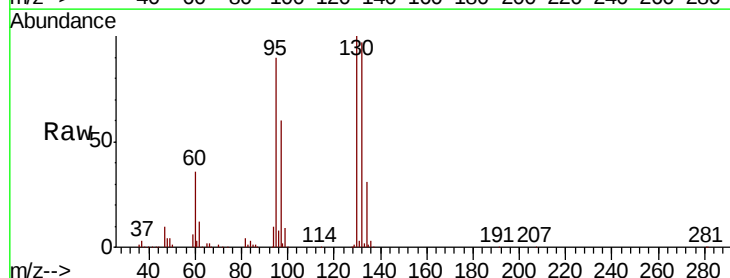
Tot Ion	43	Resp	233102
Ion Ratio	Lower	Upper	
43	100		
61	30.7	24.8	37.2
87	14.9	12.2	18.2

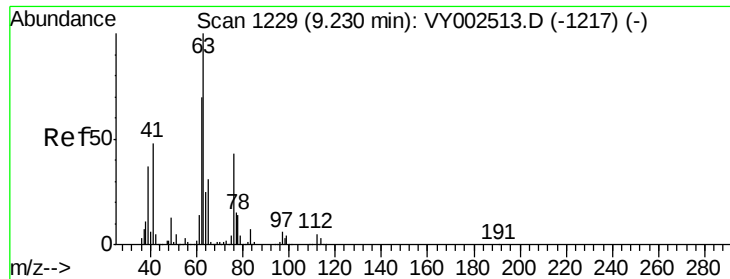


#44

Trichloroethene
 Concen: 52.014 ug/l
 RT: 8.96 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

Tgt Ion	130	Resp	202309
Ion Ratio	Lower	Upper	
130	100		
95	90.0	0.0	175.8

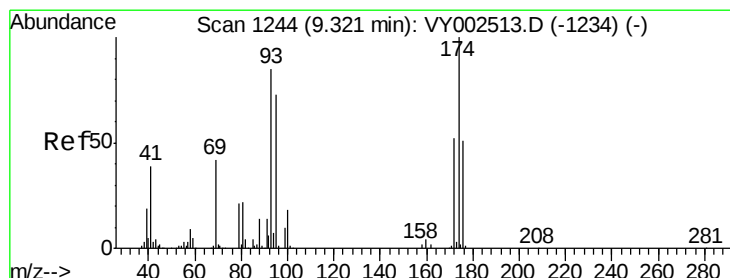
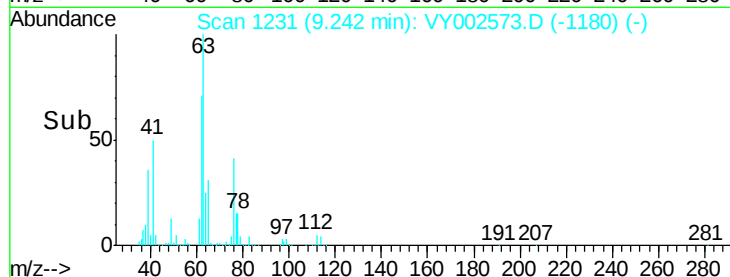
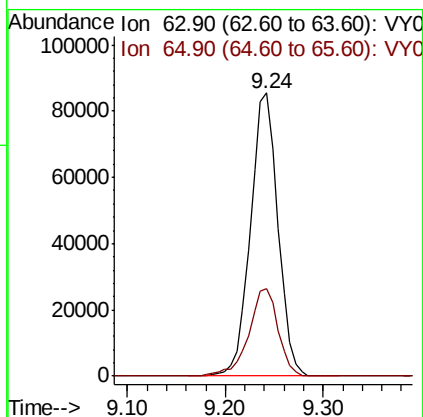
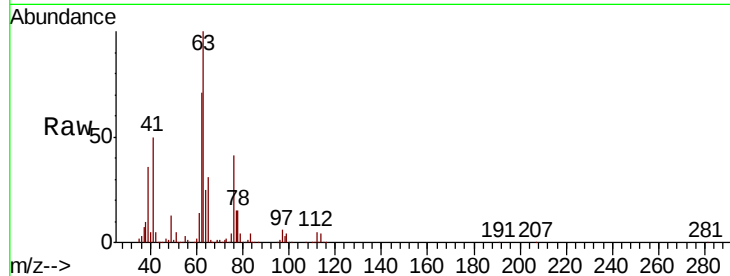




#45
 1,2-Dichloropropane
 Concen: 55.483 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

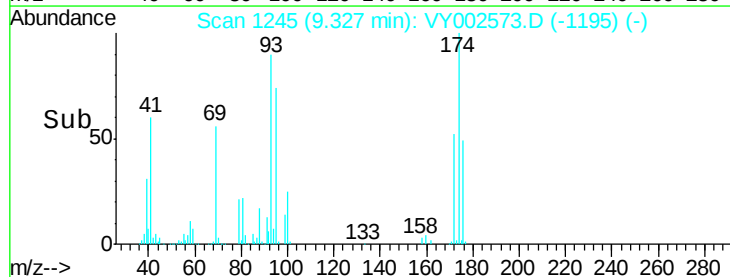
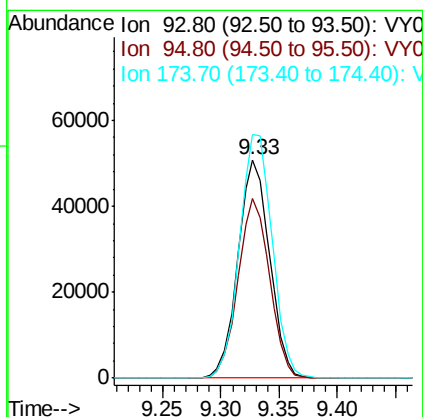
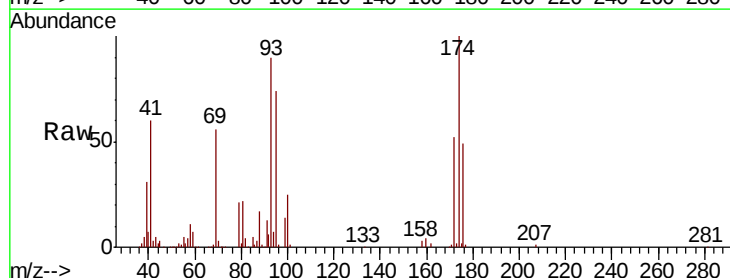
Instrument :
 MSVOA_Y
 ClientSampleId :

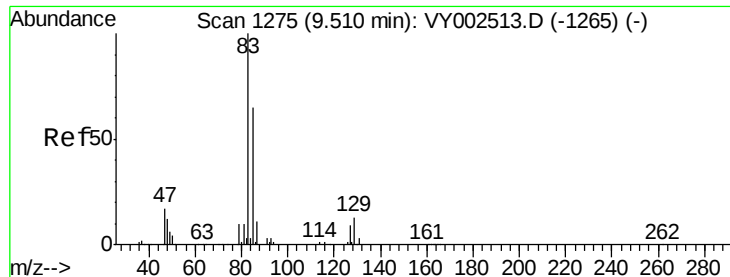
Tot Ion: 63 Resp: 166658
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.5 36.7



#46
 Dibromomethane
 Concen: 55.957 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

Tgt Ion: 93 Resp: 96707
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.0 100.4
 174 115.0 92.7 139.1





#47

Bromodichloromethane

Concen: 55.193 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :
MSVOA_Y
ClientSampleId :

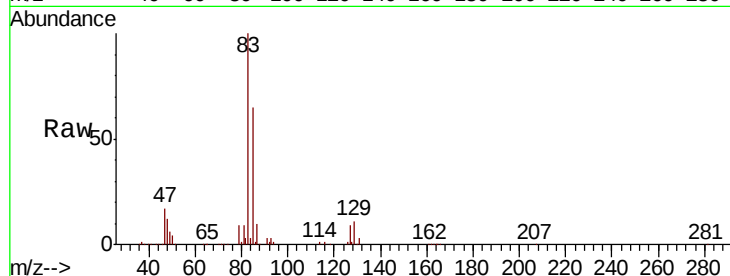
Tot Ion: 83 Resp: 231935

Ion Ratio Lower Upper

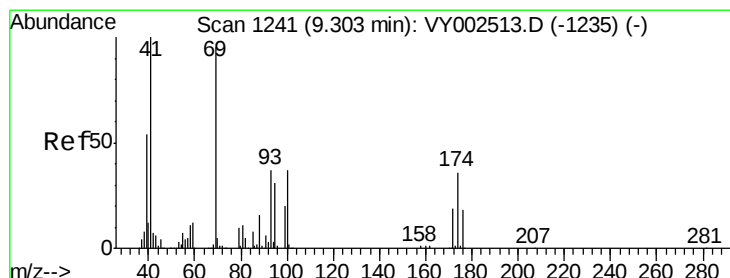
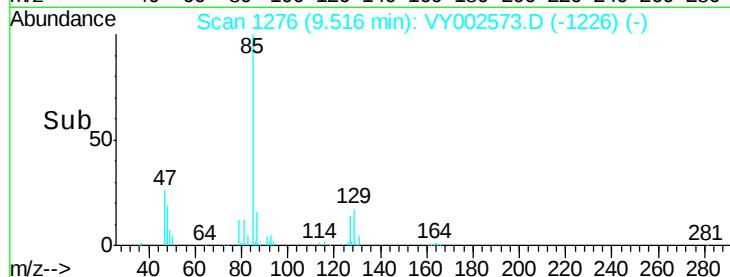
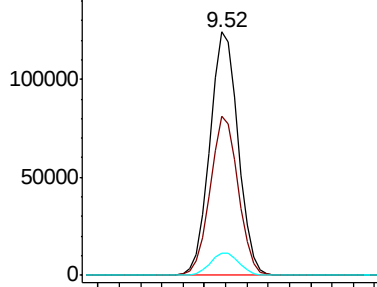
83 100

85 65.3 51.8 77.8

127 9.2 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: 56.093 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

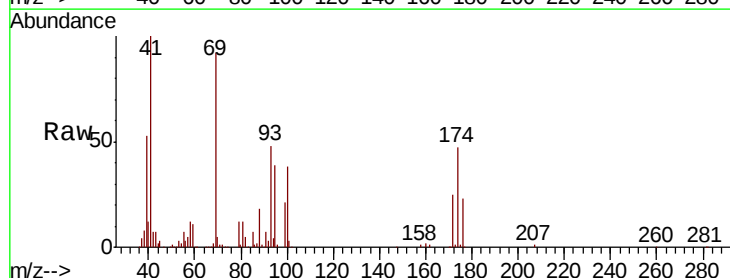
Tgt Ion: 41 Resp: 105385

Ion Ratio Lower Upper

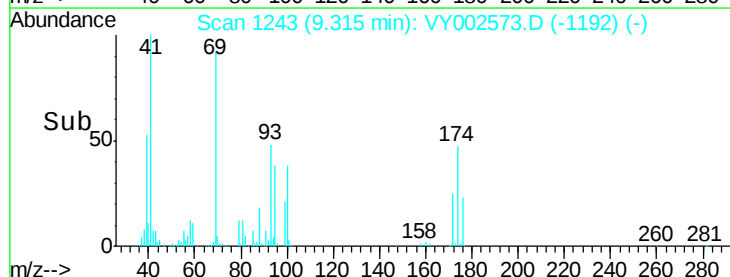
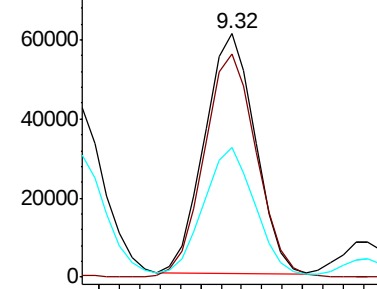
41 100

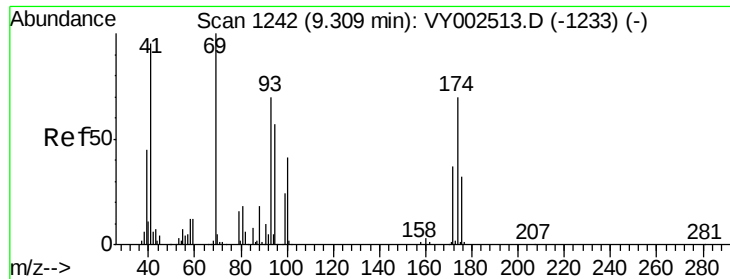
69 95.8 76.2 114.4

39 55.1 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

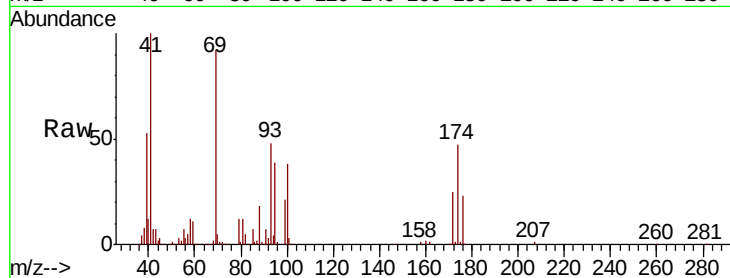




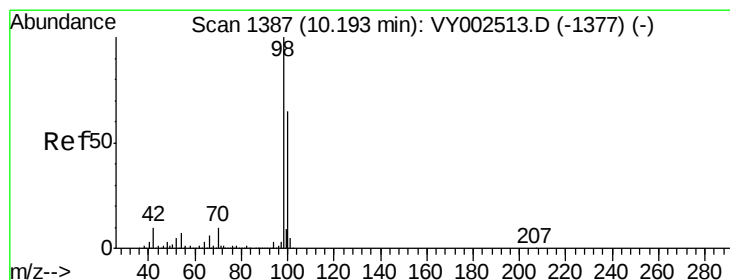
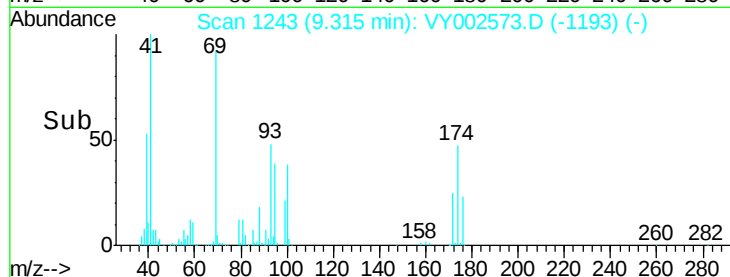
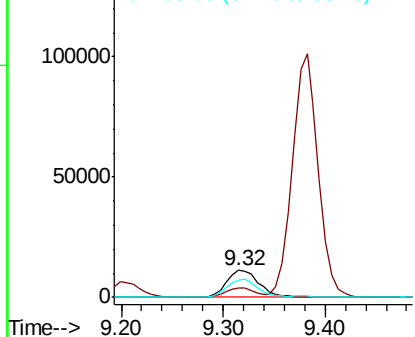
#49
1,4-Dioxane
Concen: 1092.673 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 25003
Ion Ratio Lower Upper
88 100
43 31.0 22.8 34.2
58 63.6 51.4 77.2

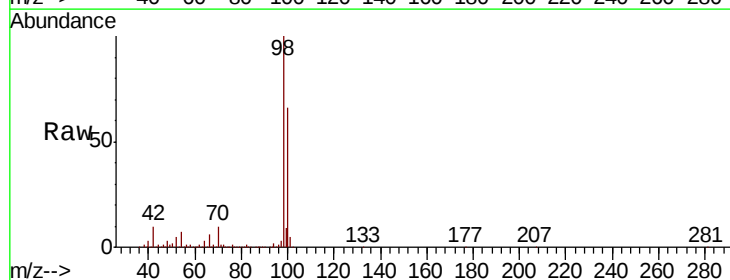


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

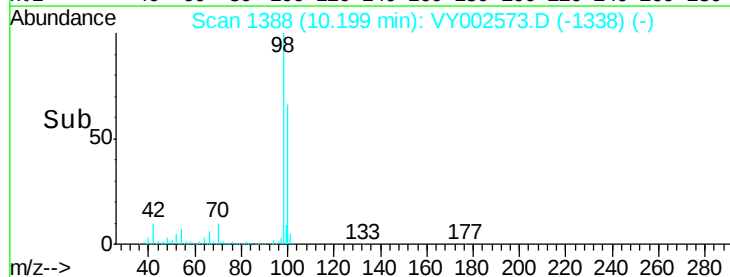
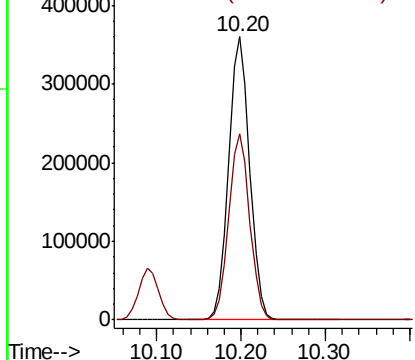


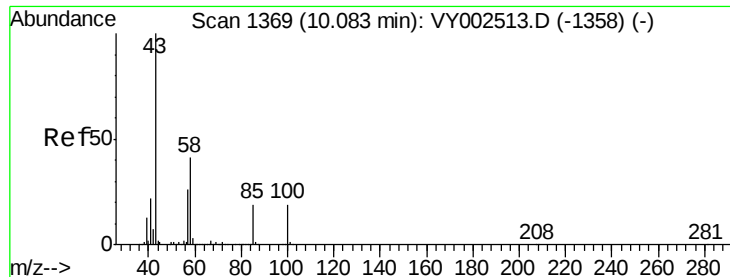
#50
Toluene-d8
Concen: 53.348 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

Tgt Ion: 98 Resp: 612443
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 279.227 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

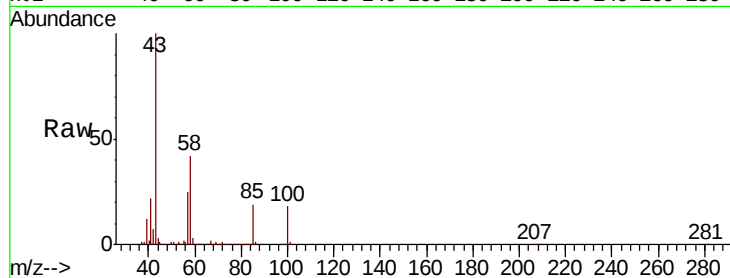
ClientSampled :

Tot Ion: 43 Resp: 597480

Ion Ratio Lower Upper

43 100

58 41.6 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VY002573.D (-1370) (-)

Ion 58.00 (57.70 to 58.70): VY002573.D (-1370) (-)

10.09

400000

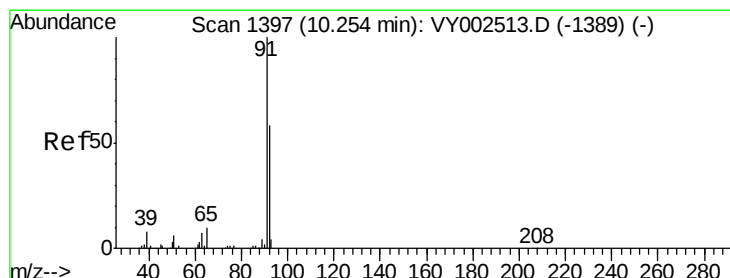
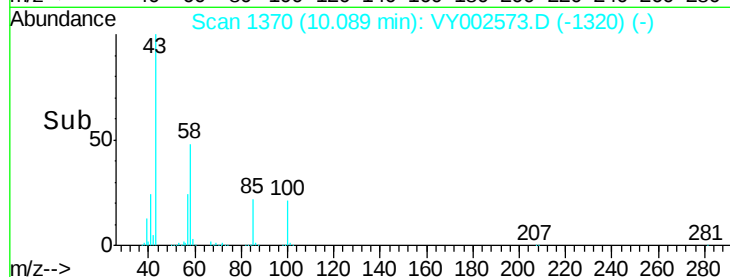
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.709 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY002573.D

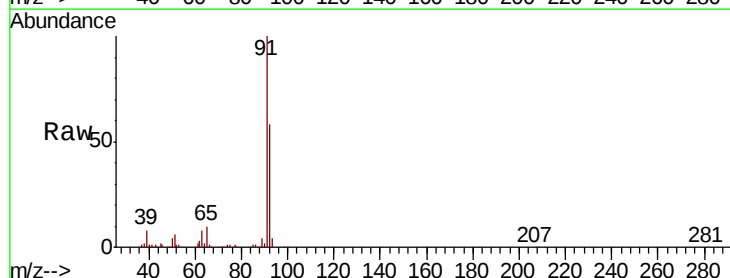
Acq: 05 May 2020 04:34

Tgt Ion: 92 Resp: 421597

Ion Ratio Lower Upper

92 100

91 173.0 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY002573.D (-1398) (-)

Ion 91.00 (90.70 to 91.70): VY002573.D (-1398) (-)

500000

400000

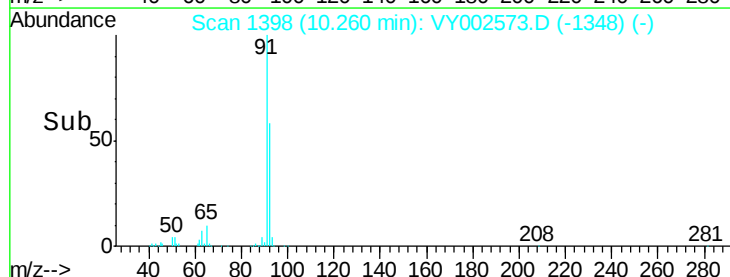
300000

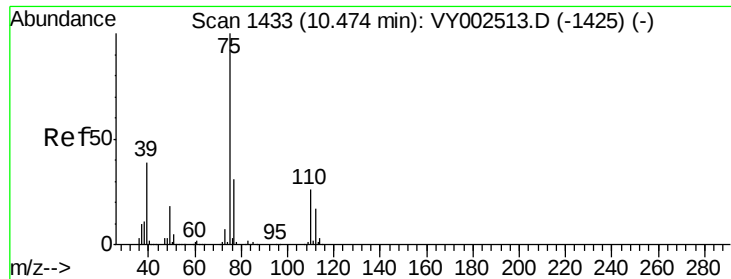
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.938 ug/l

RT: 10.49 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

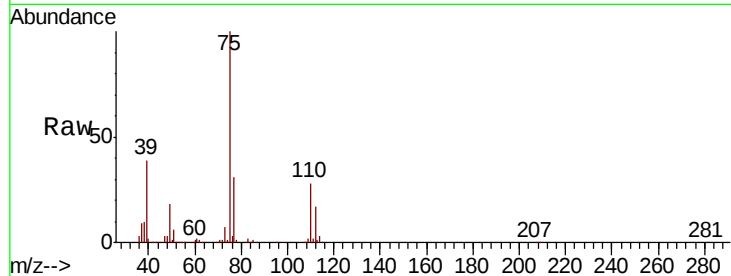
ClientSampleId :

Tot Ion: 75 Resp: 237485

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.49

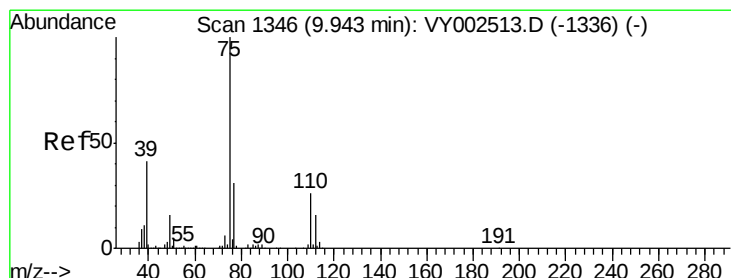
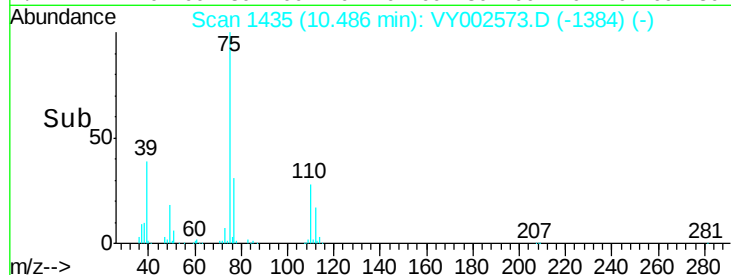
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.539 ug/l

RT: 9.95 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

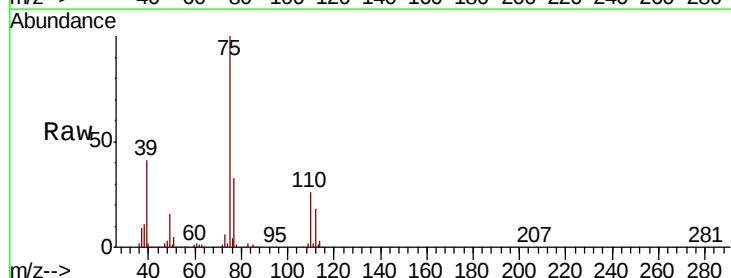
Tgt Ion: 75 Resp: 272514

Ion Ratio Lower Upper

75 100

77 32.9 25.1 37.7

39 40.9 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

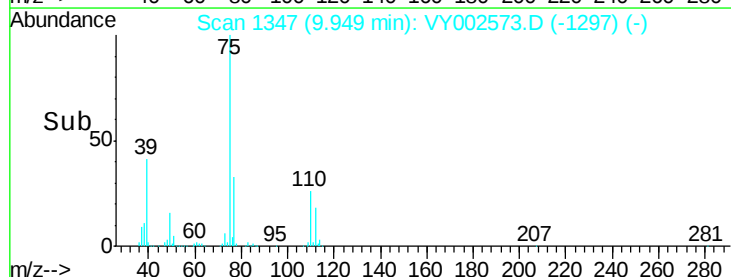
150000

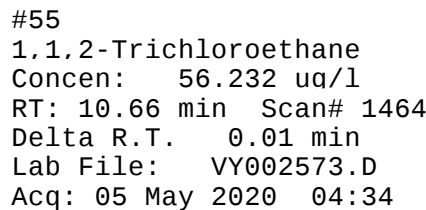
100000

50000

0

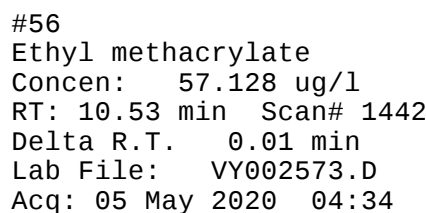
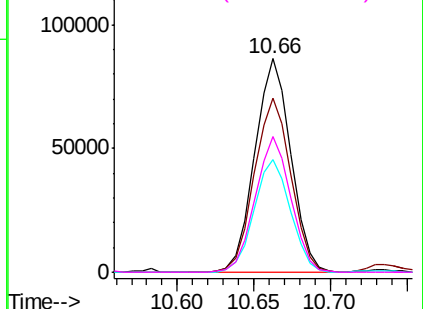
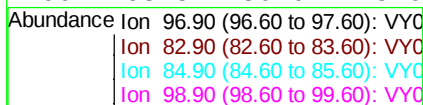
Time-->



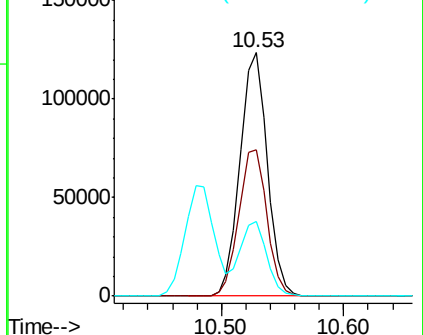


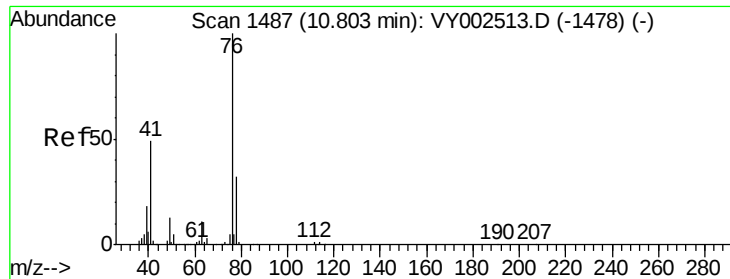
Instrument :
MSVOA_Y
ClientSampleId :

Tat	Ion: 97	Resp:	141719
Ion	Ratio	Lower	Upper
97	100		
83	81.7	65.1	97.7
85	52.9	42.7	64.1
99	63.5	50.0	75.0



Tgt	Ion: 69	Resp:	191532
Ion	Ratio	Lower	Upper
69	100		
41	61.8	48.6	73.0
39	30.5	25.0	37.4





#57

1,3-Dichloropropane

Concen: 56.039 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

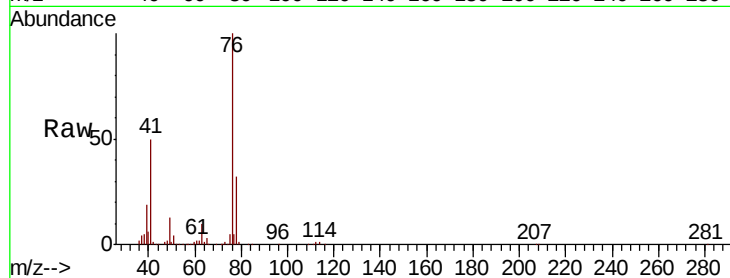
ClientSampleId :

Tot Ion: 76 Resp: 239508

Ion Ratio Lower Upper

76 100

78 32.5 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.81

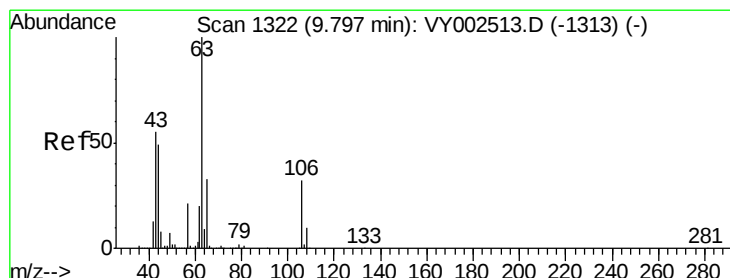
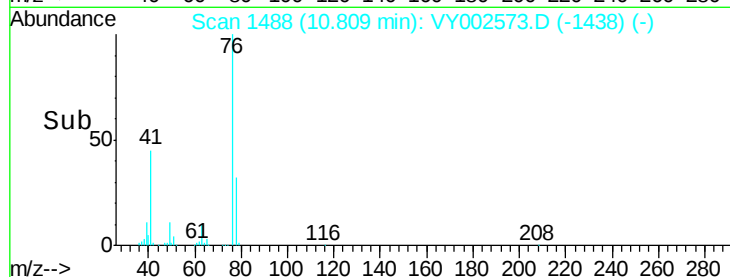
150000

100000

50000

0

Time--> 10.70 10.80 10.90



#58

2-Chloroethyl Vinyl ether

Concen: 285.275 ug/l

RT: 9.80 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VY002573.D

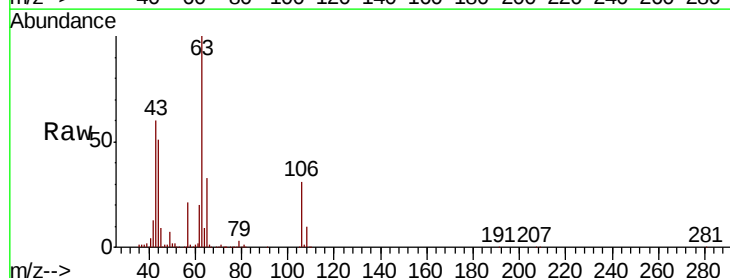
Acq: 05 May 2020 04:34

Tgt Ion: 63 Resp: 504385

Ion Ratio Lower Upper

63 100

106 31.0 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

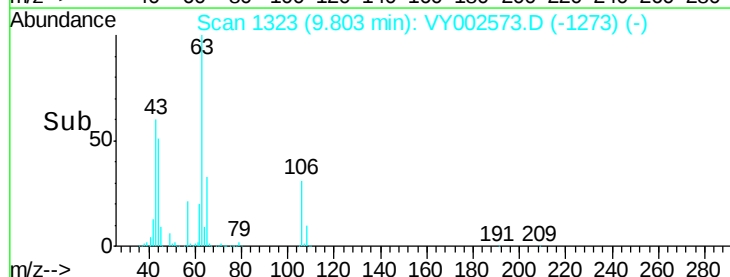
300000

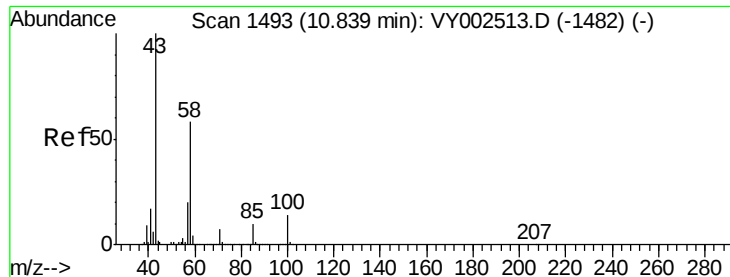
200000

100000

0

Time--> 9.70 9.80 9.90





#59

2-Hexanone

Concen: 281.486 ug/l

RT: 10.85 min Scan# 1495

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

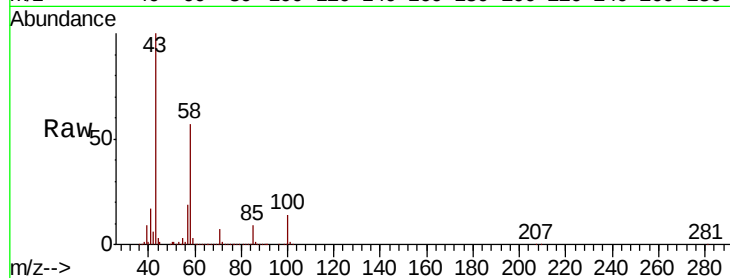
ClientSampled :

Tot Ion: 43 Resp: 414554

Ion Ratio Lower Upper

43 100

58 58.2 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

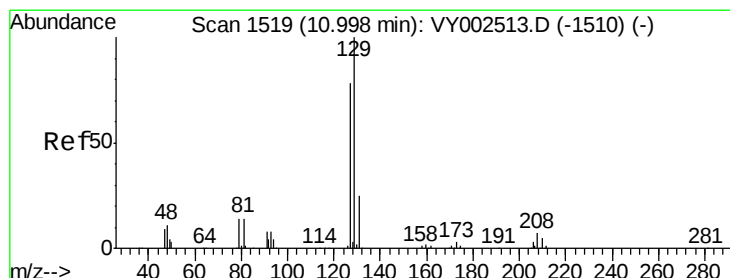
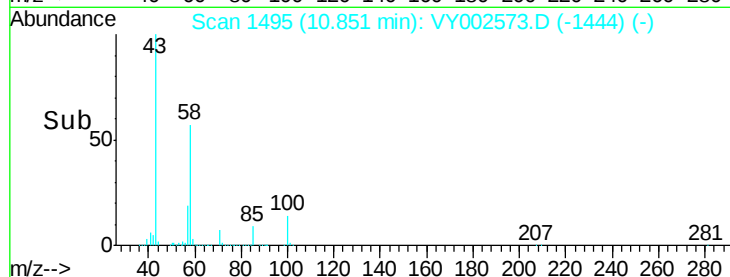
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 55.663 ug/l

RT: 11.00 min Scan# 1520

Delta R.T. 0.01 min

Lab File: VY002573.D

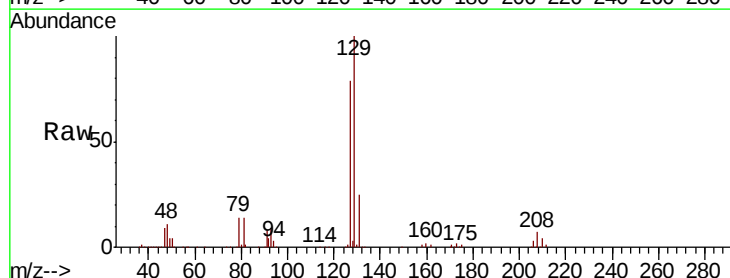
Acq: 05 May 2020 04:34

Tgt Ion: 129 Resp: 178425

Ion Ratio Lower Upper

129 100

127 78.1 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

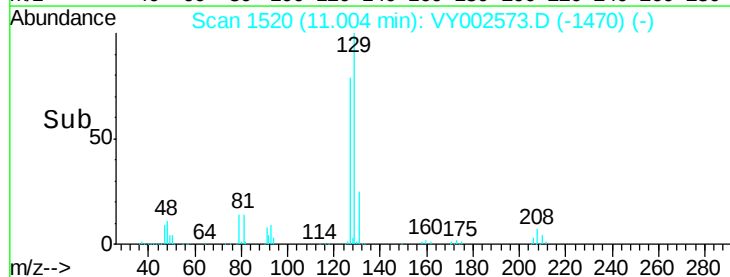
60000

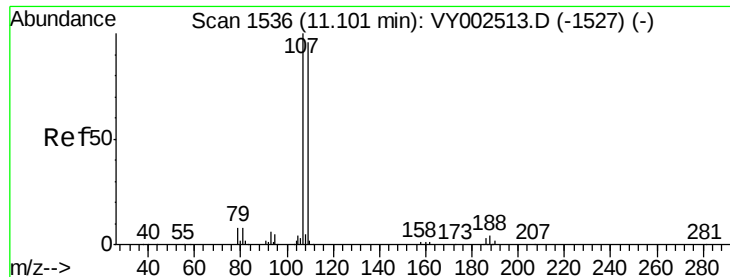
40000

20000

0

Time-->

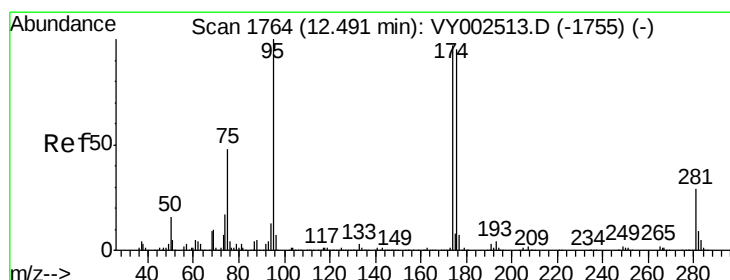
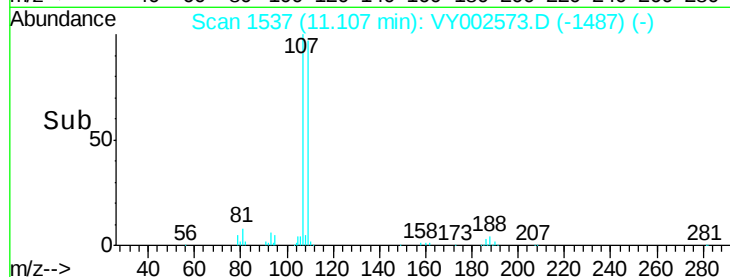
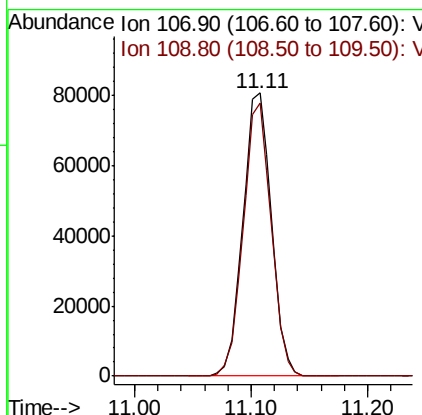
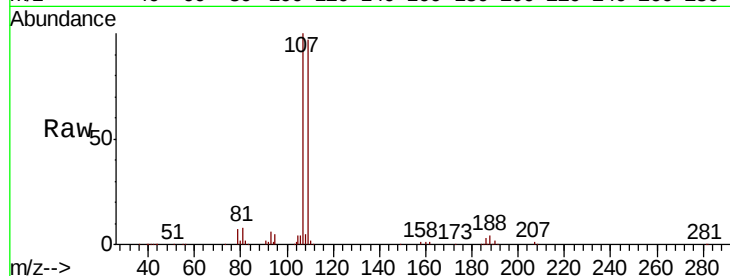




#61
 1,2-Dibromoethane
 Concen: 55.116 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

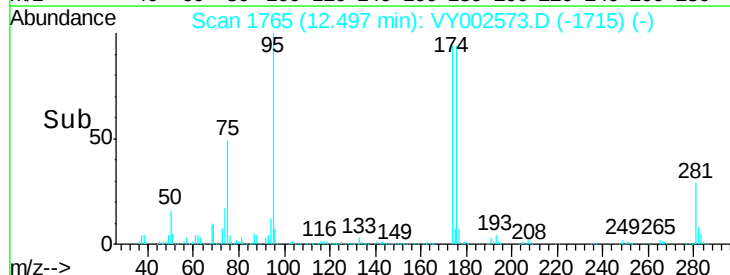
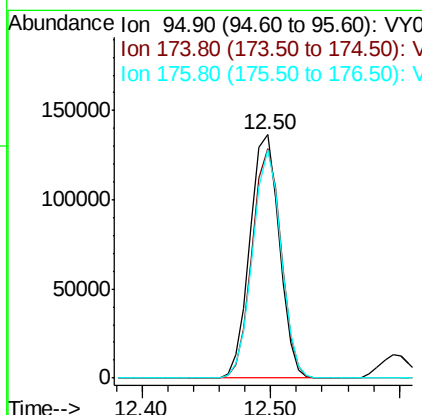
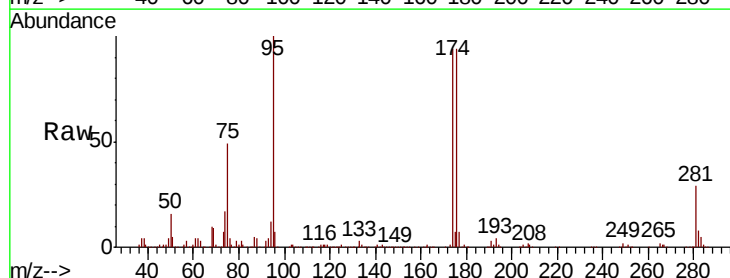
Instrument :
 MSVOA_Y
 ClientSampleId :

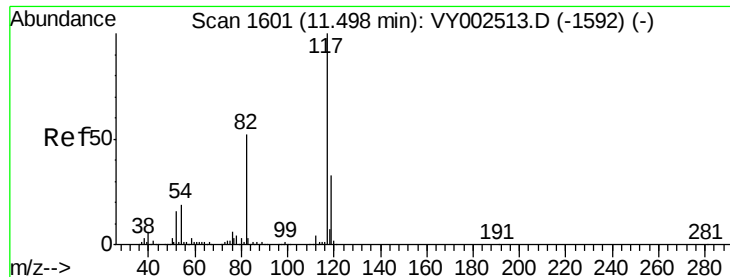
Tot Ion: 107 Resp: 137540
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 55.211 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

Tgt Ion: 95 Resp: 215076
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 188.8
 176 90.6 0.0 183.2

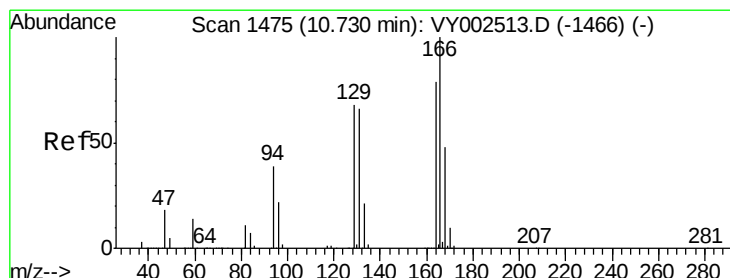
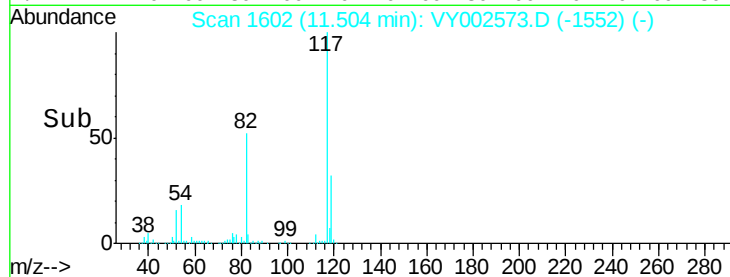
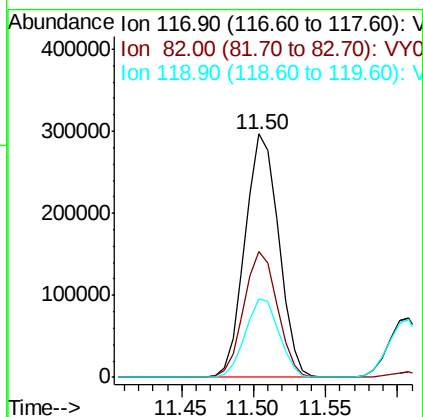
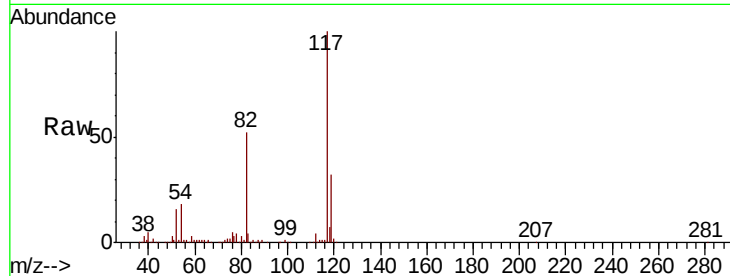




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

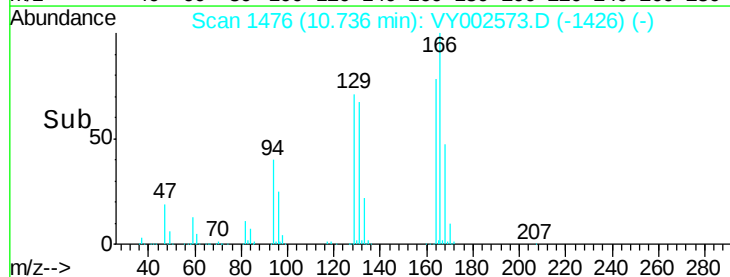
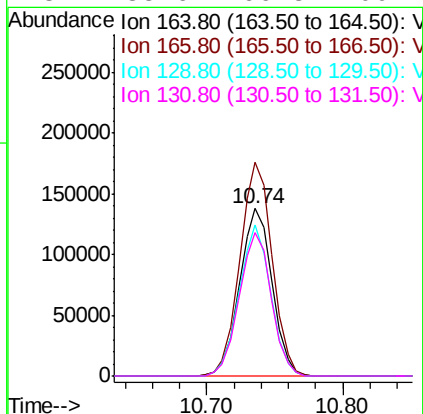
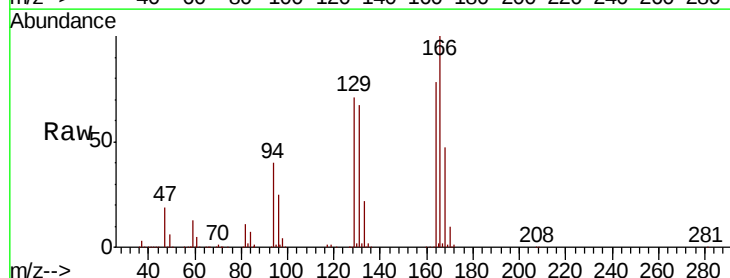
Instrument :
MSVOA_Y
ClientSampleId :

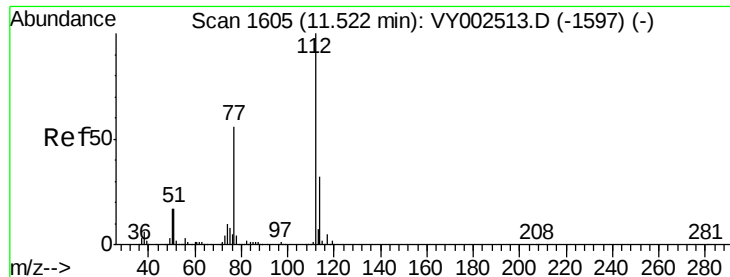
Tot Ion:117 Resp: 482232
Ion Ratio Lower Upper
117 100
82 51.7 41.3 61.9
119 32.5 26.0 39.0



#64
Tetrachloroethene
Concen: 53.266 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

Tgt Ion:164 Resp: 228225
Ion Ratio Lower Upper
164 100
166 127.8 100.7 151.1
129 90.5 68.3 102.5
131 85.6 66.8 100.2

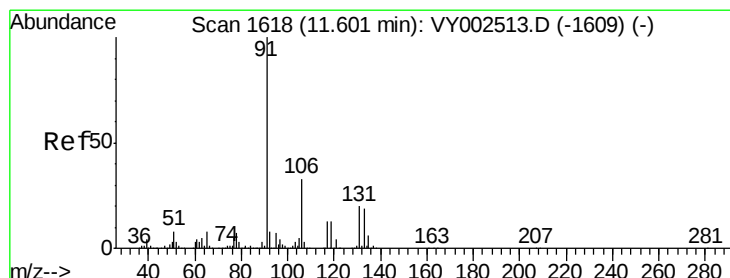
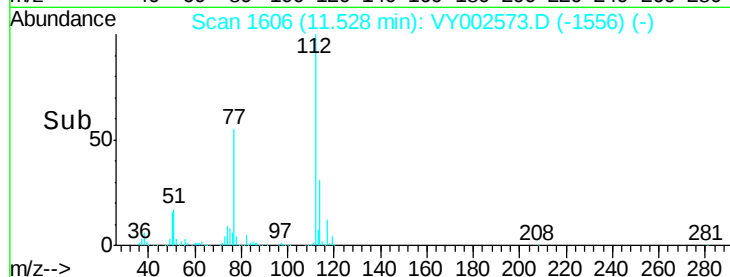
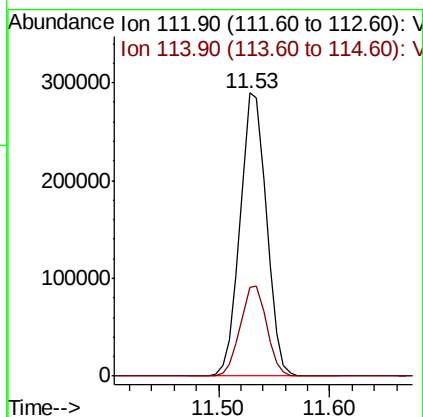
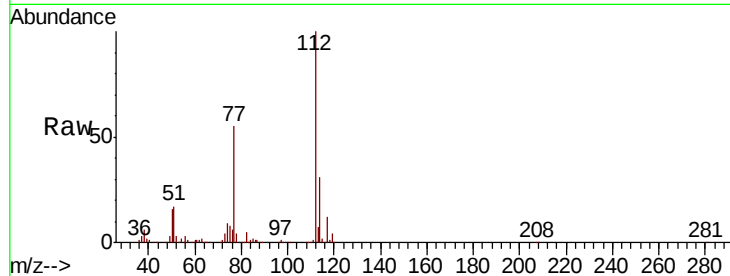




#65
Chlorobenzene
Concen: 51.973 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

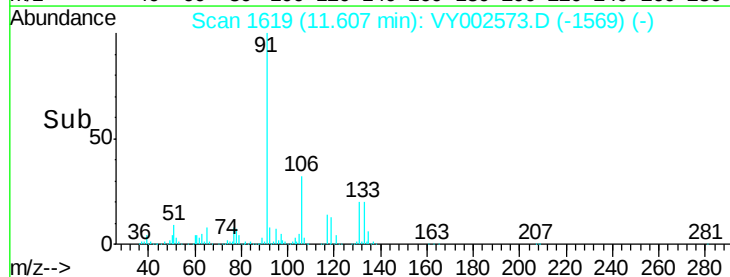
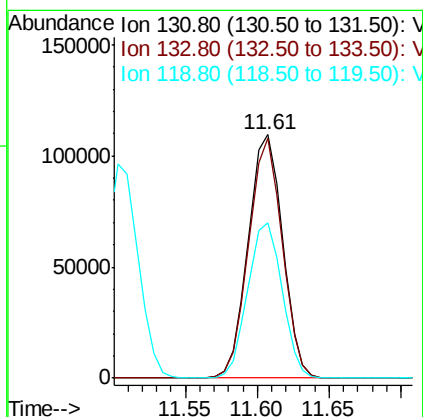
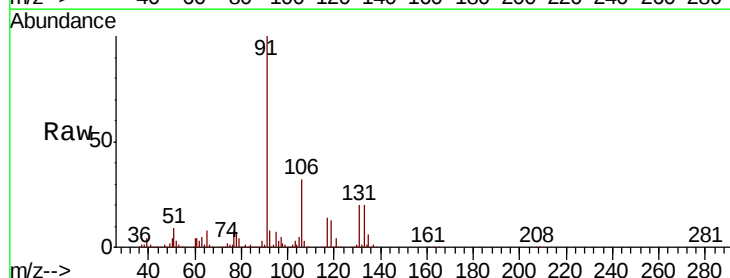
Instrument :
MSVOA_Y
ClientSampleId :

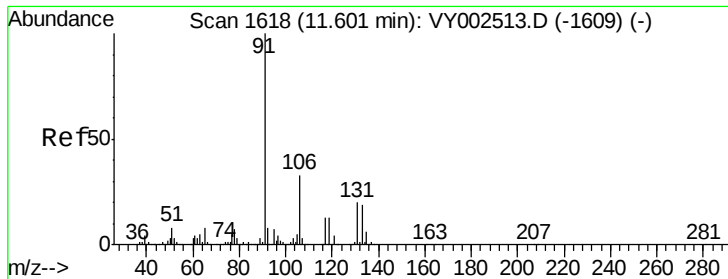
Tot Ion:112 Resp: 476446
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.278 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

Tgt Ion:131 Resp: 181301
Ion Ratio Lower Upper
131 100
133 95.9 48.1 144.4
119 63.9 31.6 95.0





#67

Ethyl Benzene

Concen: 50.645 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

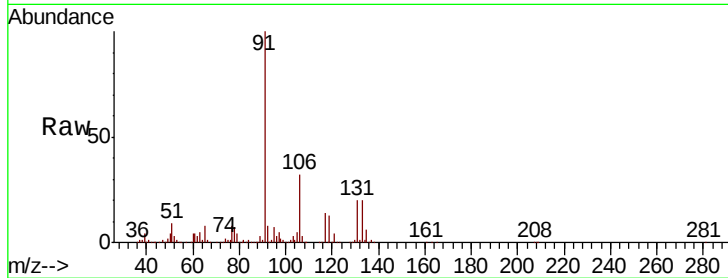
ClientSampleId :

Tot Ion: 91 Resp: 815529

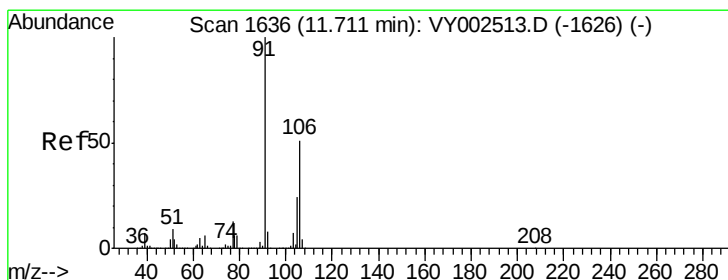
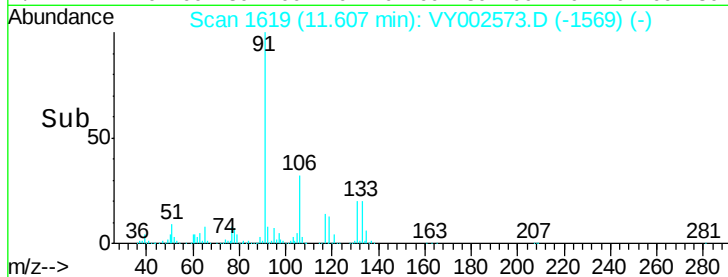
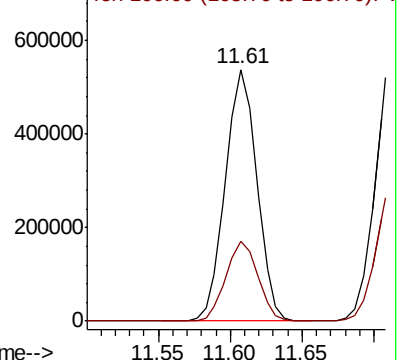
Ion Ratio Lower Upper

91 100

106 31.6 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VY002513.D (-1609) (-)



#68

m/p-Xylenes

Concen: 100.921 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VY002573.D

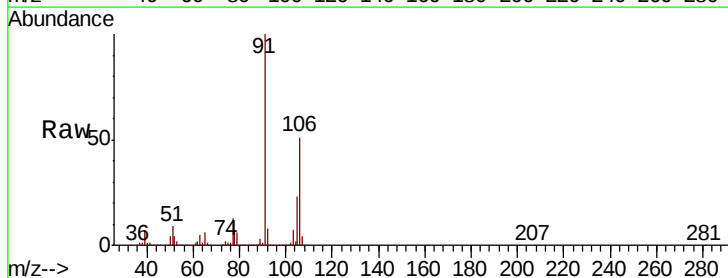
Acq: 05 May 2020 04:34

Tgt Ion: 106 Resp: 628798

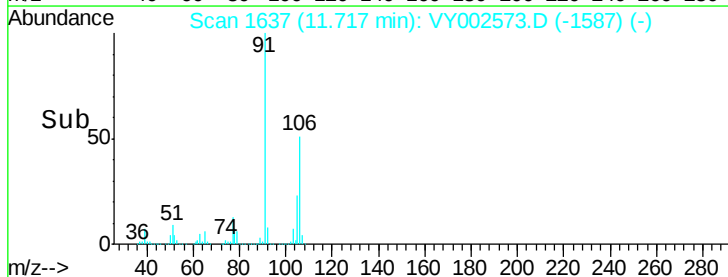
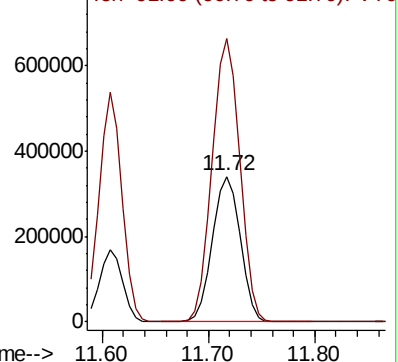
Ion Ratio Lower Upper

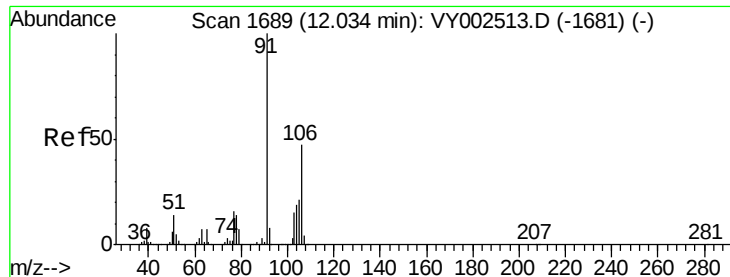
106 100

91 194.1 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): VY002513.D (-1626) (-)

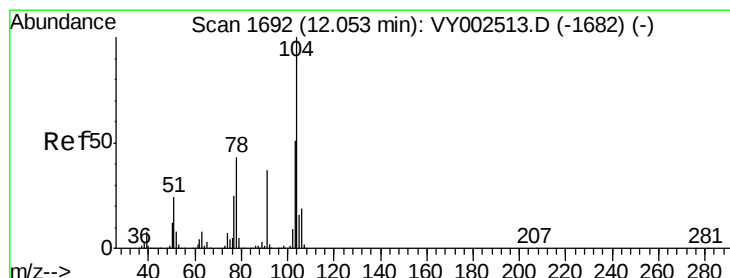
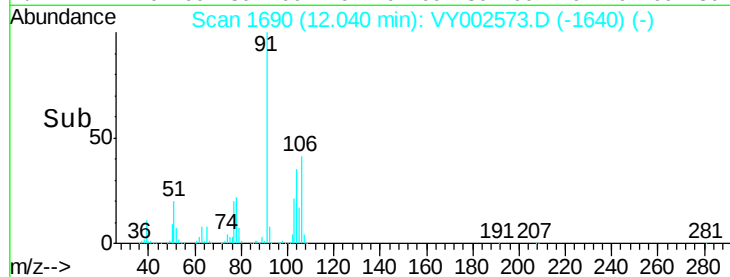
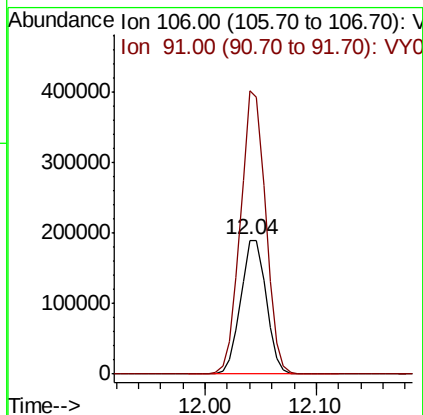
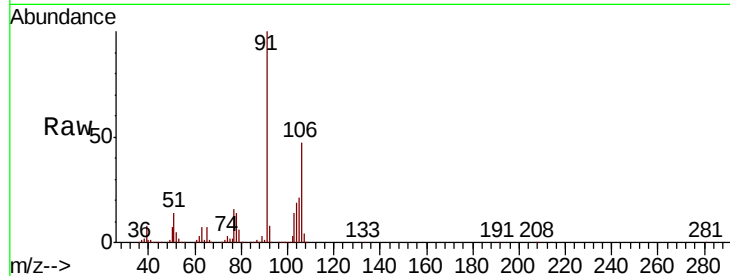




#69
o-Xylene
Concen: 52.188 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

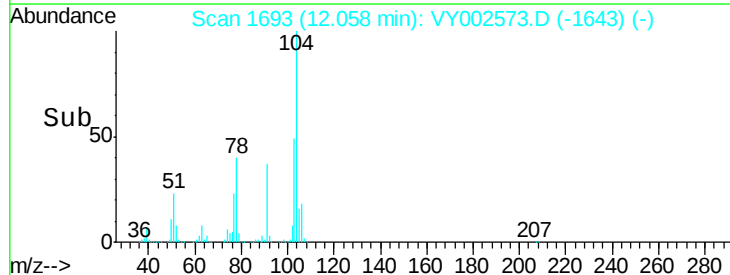
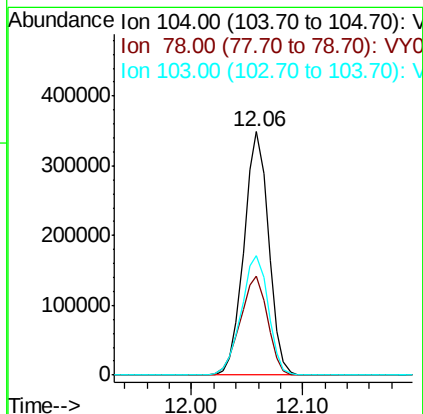
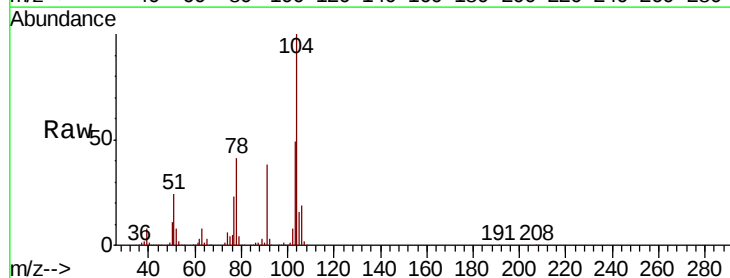
Instrument :
MSVOA_Y
ClientSampled :

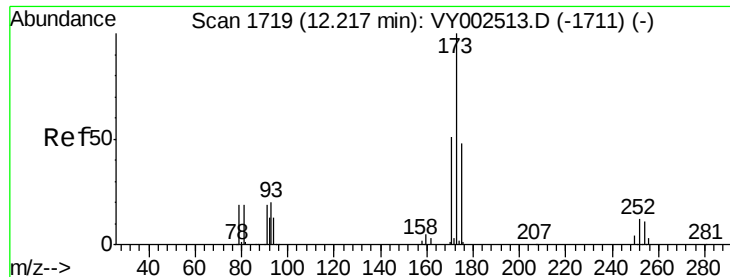
Tot Ion:106 Resp: 304453
Ion Ratio Lower Upper
106 100
91 207.5 103.8 311.3



#70
Styrene
Concen: 53.844 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

Tgt Ion:104 Resp: 536992
Ion Ratio Lower Upper
104 100
78 45.0 37.4 56.0
103 53.9 43.9 65.9





#71

Bromoform

Concen: 53.733 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

ClientSampleId :

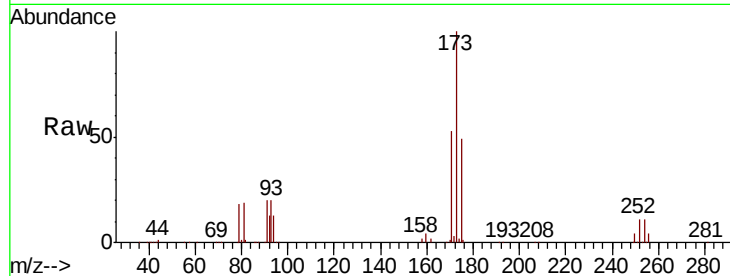
Tot Ion:173 Resp: 113489

Ion Ratio Lower Upper

173 100

175 48.7 24.3 72.8

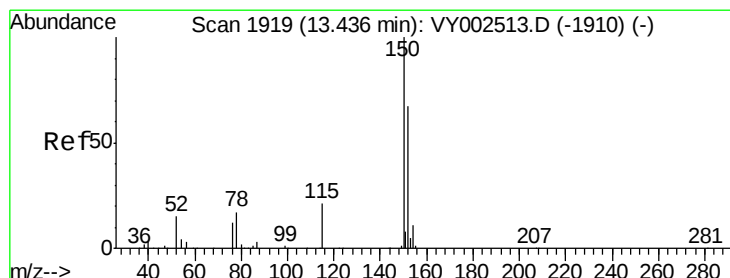
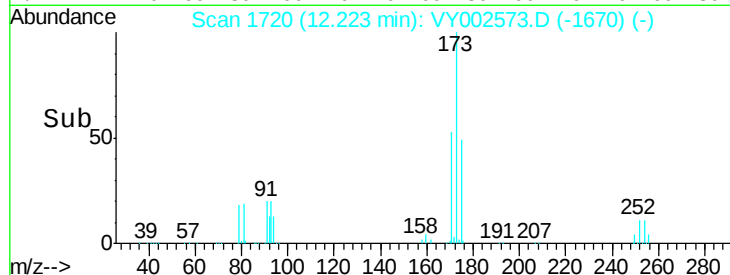
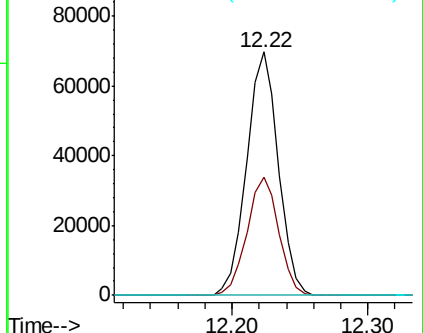
254 0.1 0.2 0.2#



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: VY002573.D

Acq: 05 May 2020 04:34

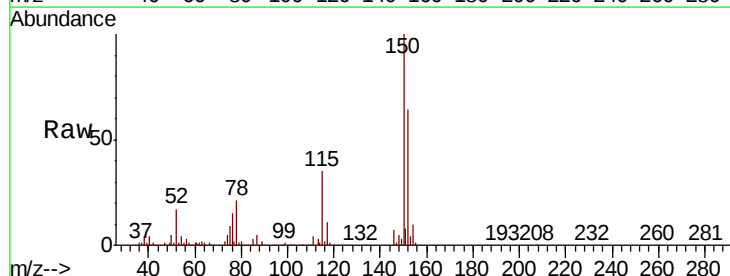
Tgt Ion:152 Resp: 248815

Ion Ratio Lower Upper

152 100

115 54.1 27.5 82.4

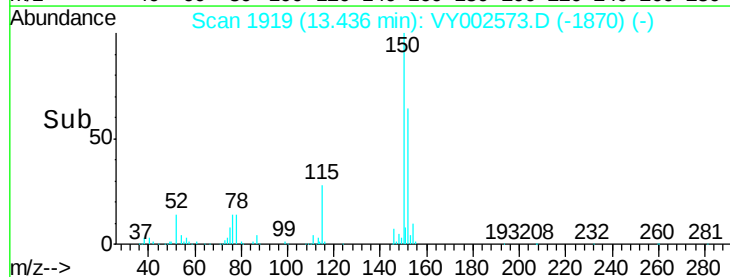
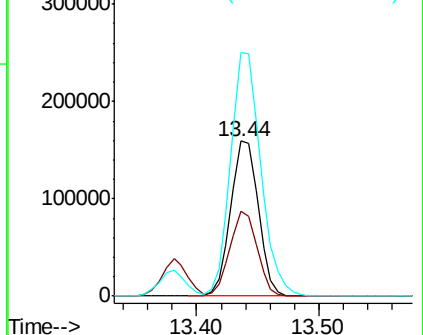
150 171.3 0.0 346.4

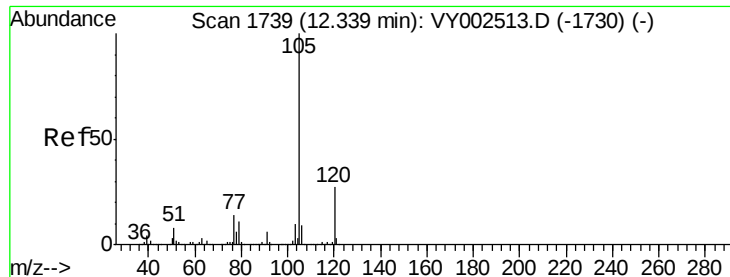


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.923 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

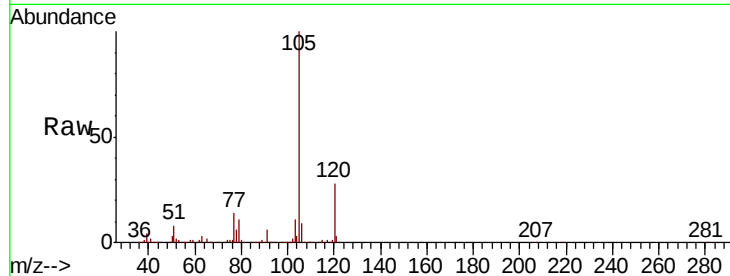
ClientSampleId :

Tot Ion:105 Resp: 788911

Ion Ratio Lower Upper

105 100

120 27.7 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

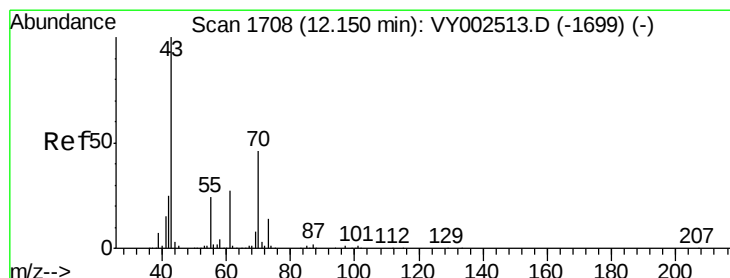
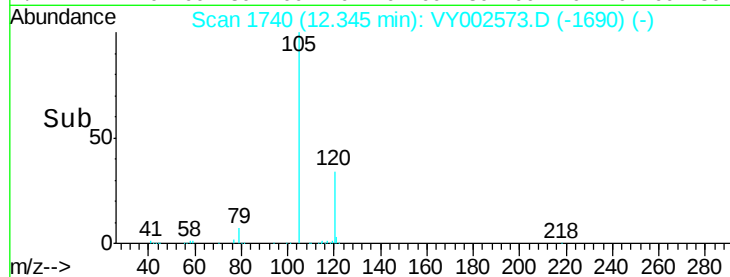
0

12.34

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 55.555 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Tgt Ion: 43 Resp: 215501

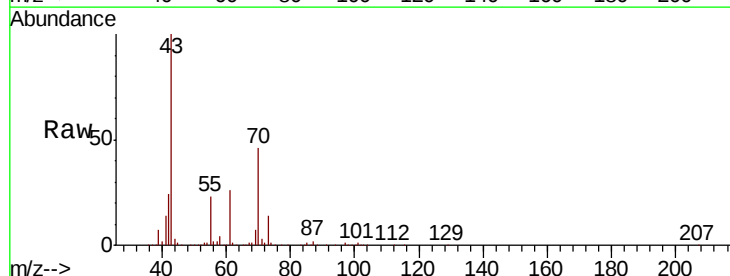
Ion Ratio Lower Upper

43 100

70 46.3 36.7 55.1

55 23.7 19.2 28.8

61 26.2 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

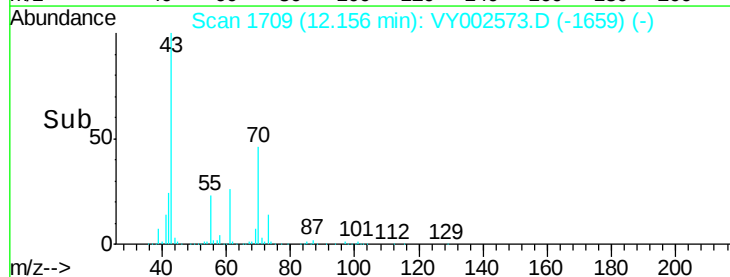
12.16

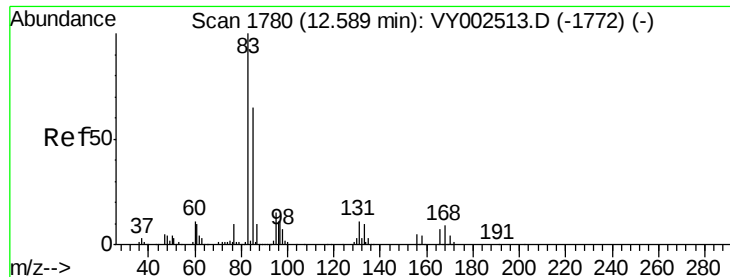
12.10

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.051 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

ClientSampled :

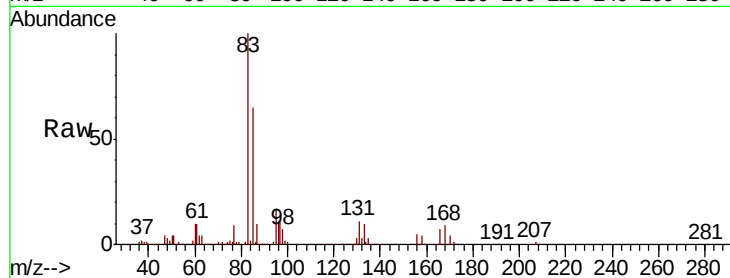
Tot Ion: 83 Resp: 125794

Ion Ratio Lower Upper

83 100

131 11.6 5.9 17.8

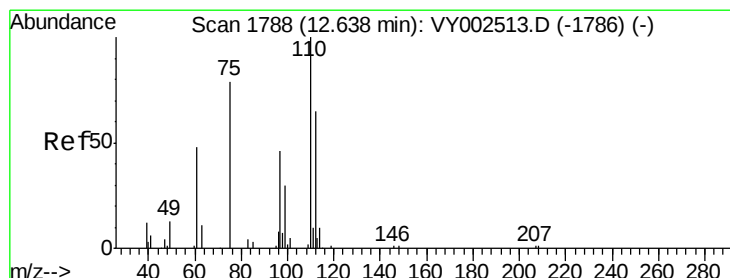
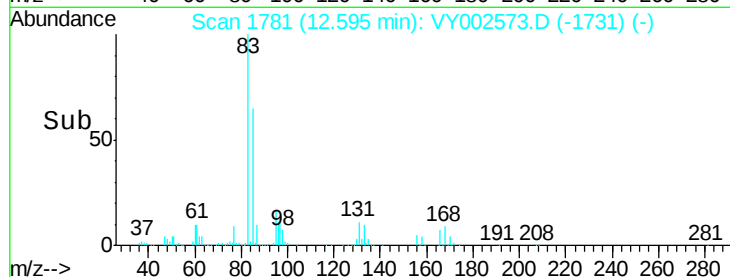
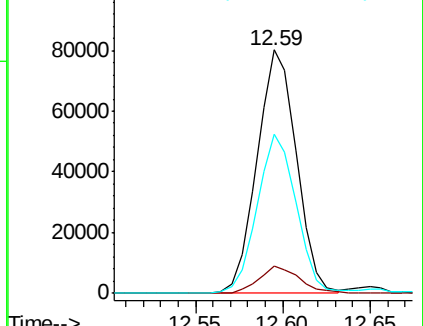
85 64.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 90.713 ug/l

RT: 12.65 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VY002573.D

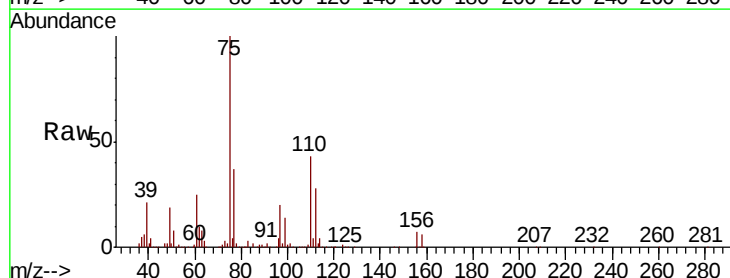
Acq: 05 May 2020 04:34

Tgt Ion: 75 Resp: 200579

Ion Ratio Lower Upper

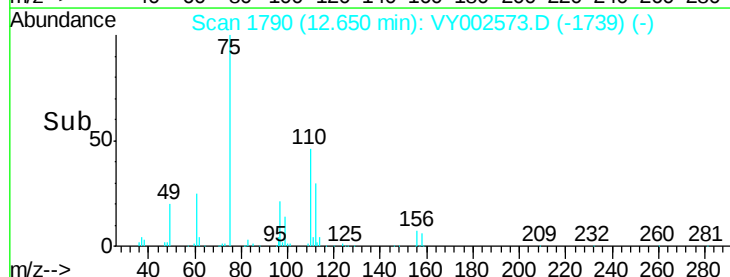
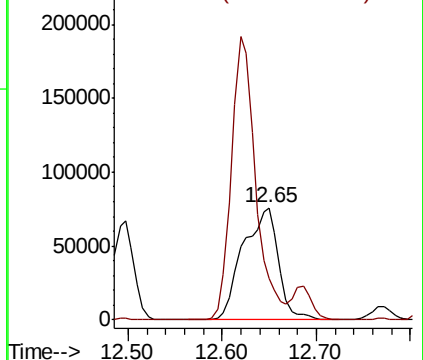
75 100

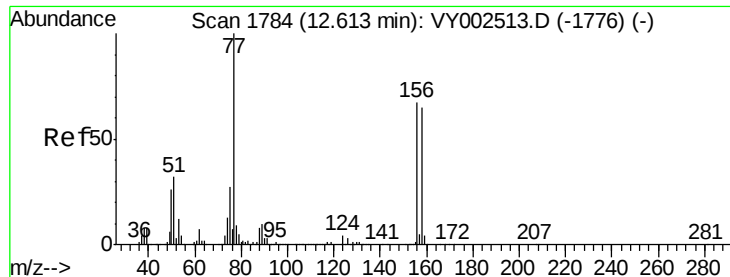
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 51.945 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

ClientSampleId :

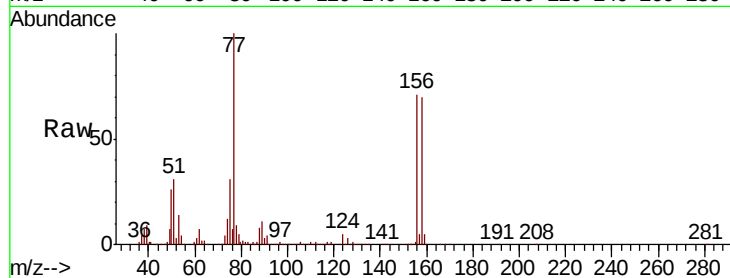
Tot Ion:156 Resp: 209275

Ion Ratio Lower Upper

156 100

77 165.1 82.0 245.8

158 97.9 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

250000

200000

150000

100000

50000

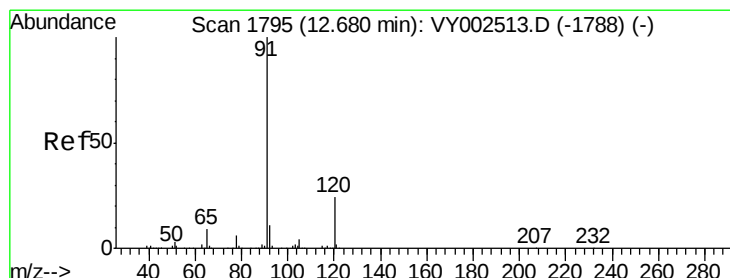
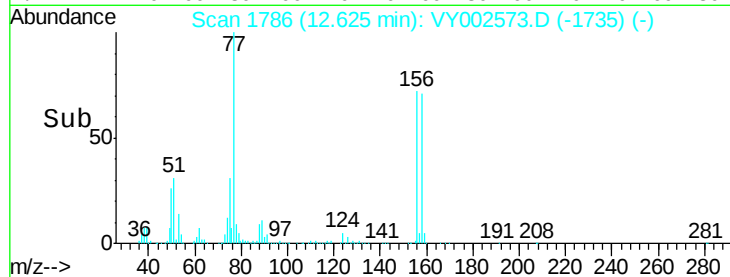
0

12.60

12.63

12.70

Time-->



#78

n-propylbenzene

Concen: 48.740 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY002573.D

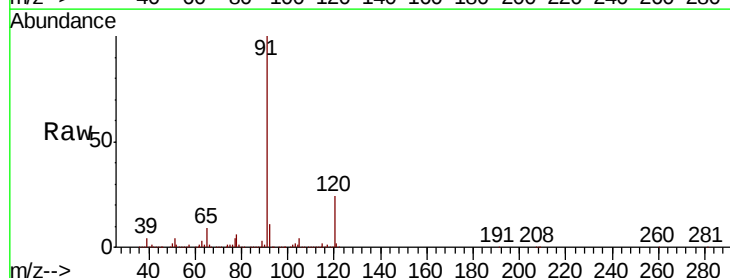
Acq: 05 May 2020 04:34

Tgt Ion: 91 Resp: 912085

Ion Ratio Lower Upper

91 100

120 24.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

600000

400000

200000

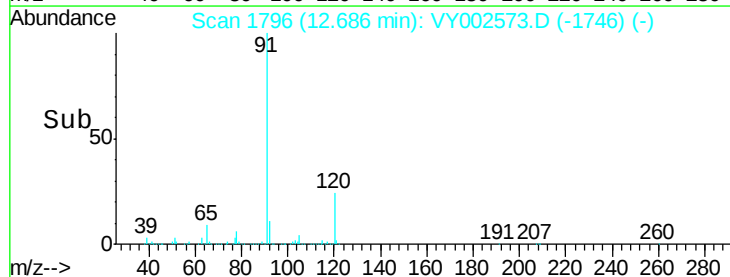
0

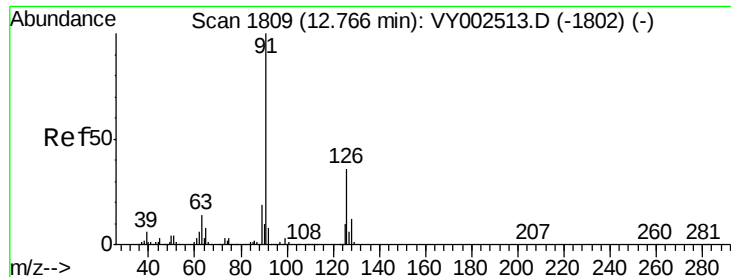
12.65

12.69

12.75

Time-->

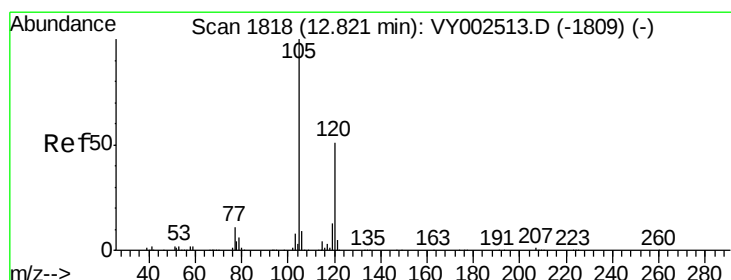
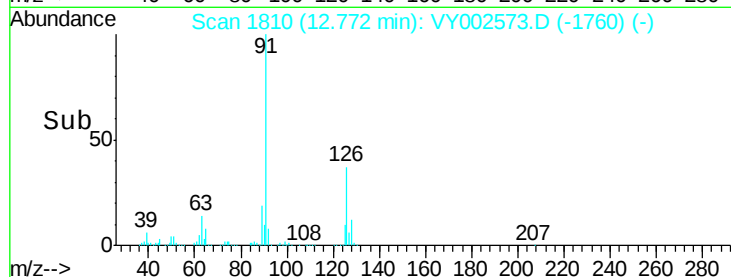
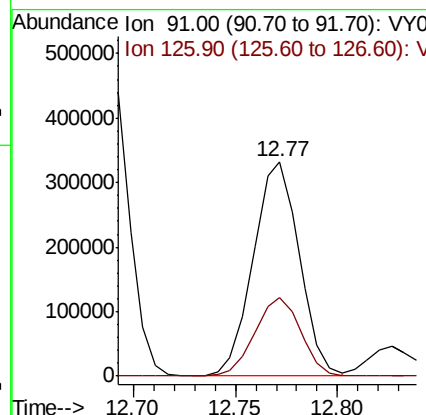
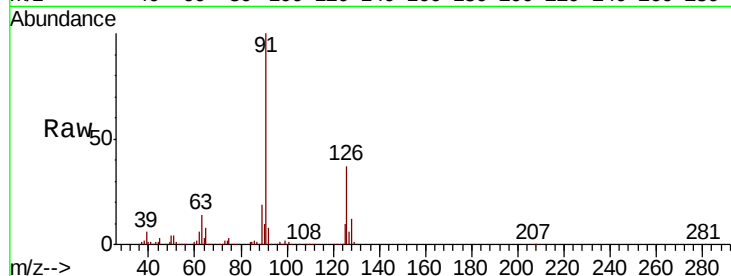




#79
 2-Chlorotoluene
 Concen: 50.435 ug/l
 RT: 12.77 min Scan# 1810
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

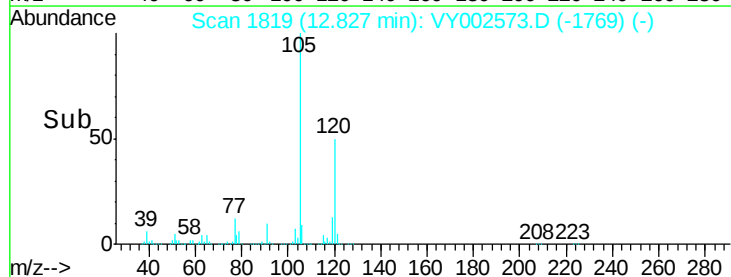
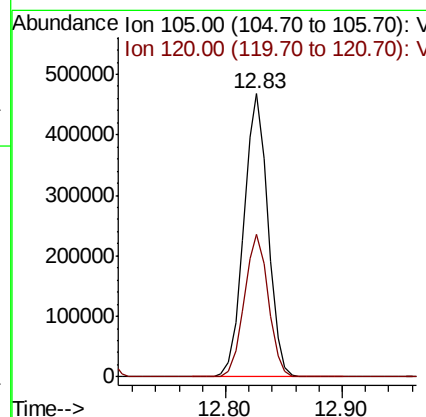
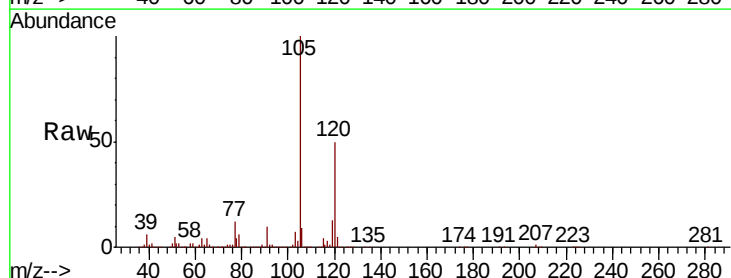
Instrument :
 MSVOA_Y
 ClientSampleId :

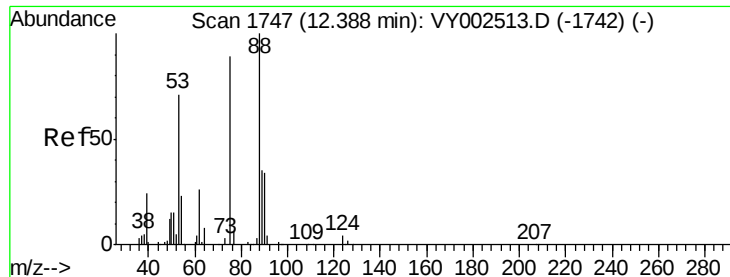
Tot Ion: 91 Resp: 522800
 Ion Ratio Lower Upper
 91 100
 126 36.6 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 50.402 ug/l
 RT: 12.83 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

Tgt Ion: 105 Resp: 673722
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.3 75.9

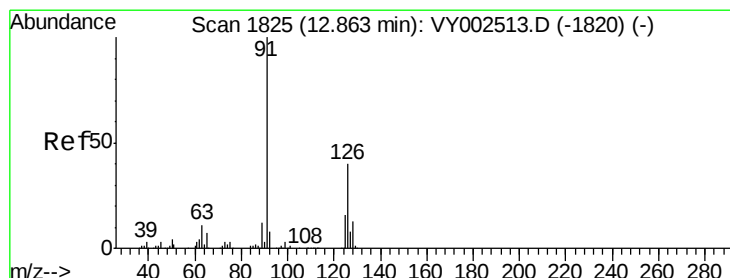
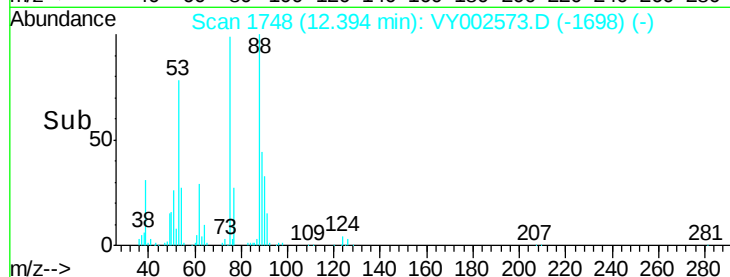
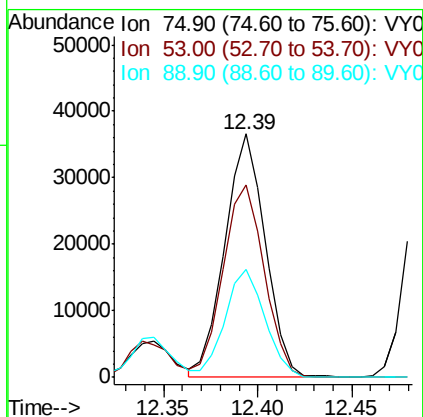
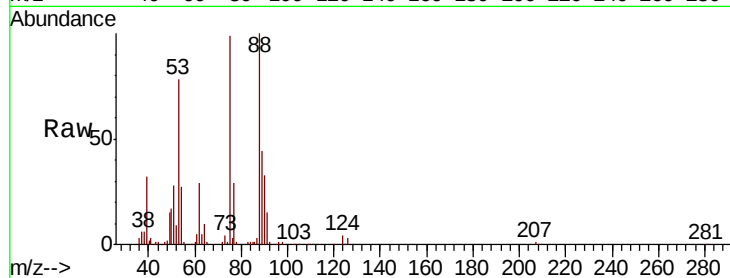




#81
trans-1,4-Dichloro-2-butene
Concen: 49.087 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

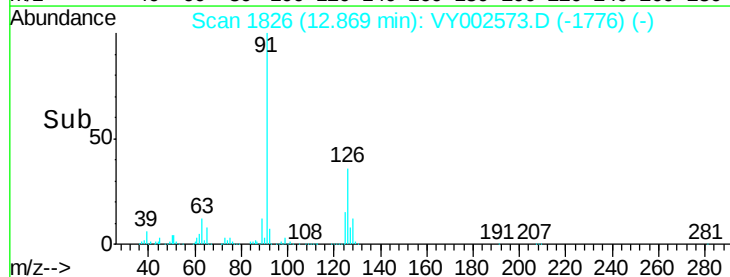
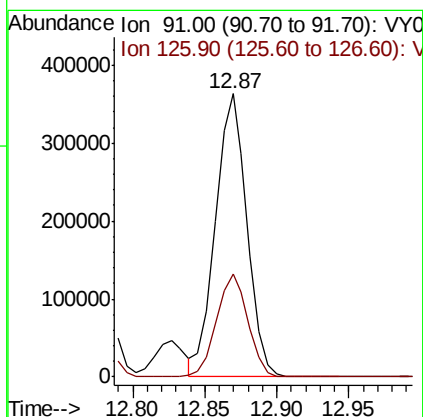
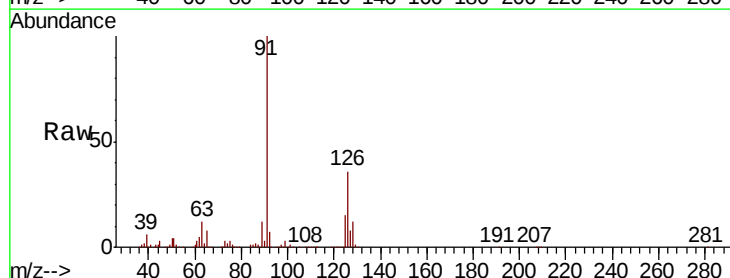
Instrument :
MSVOA_Y
ClientSampleId :

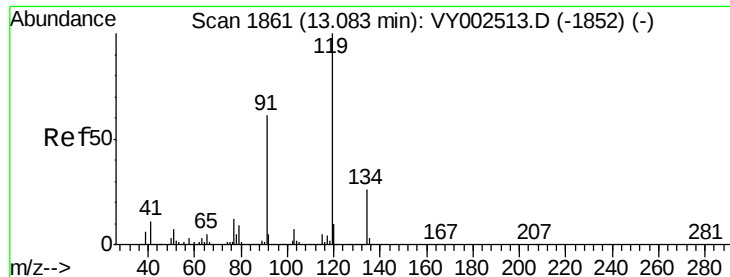
Tot Ion: 75 Resp: 54129
Ion Ratio Lower Upper
75 100
53 81.2 67.4 101.0
89 43.7 37.4 56.0



#82
4-Chlorotoluene
Concen: 50.852 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

Tgt Ion: 91 Resp: 553704
Ion Ratio Lower Upper
91 100
126 36.4 18.5 55.5

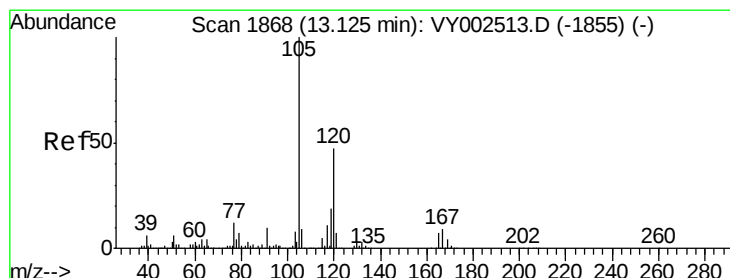
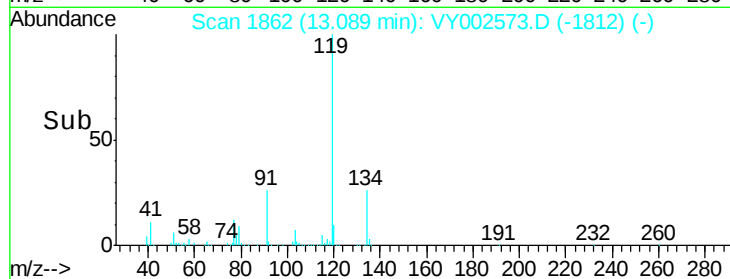
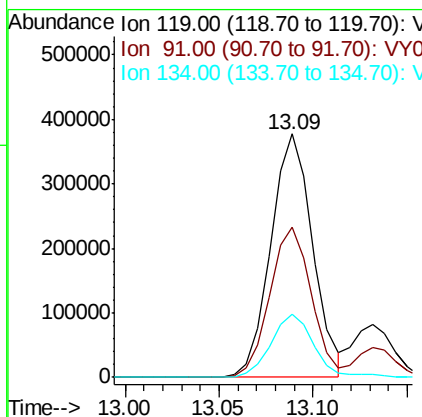
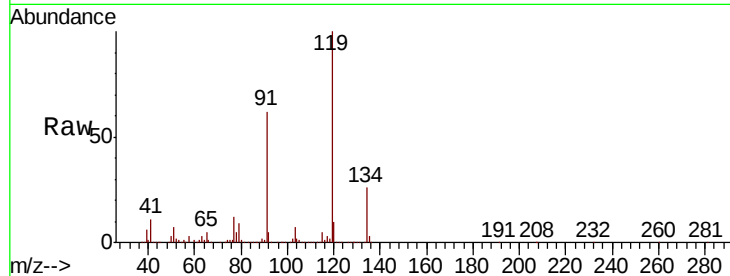




#83
 tert-Butylbenzene
 Concen: 49.490 ug/l
 RT: 13.09 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

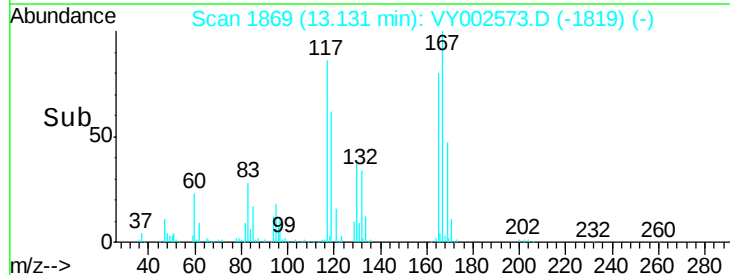
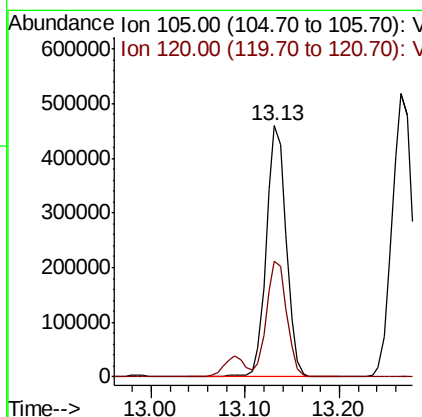
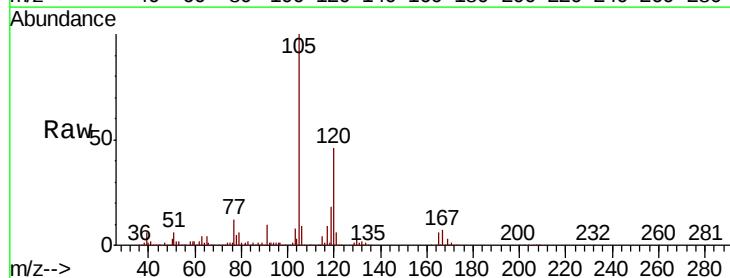
Instrument :
 MSVOA_Y
 ClientSampleId :

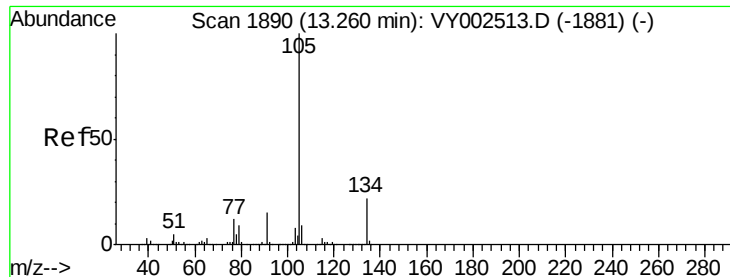
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.6	91.6
134	26.9	13.5	40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 51.303 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.3

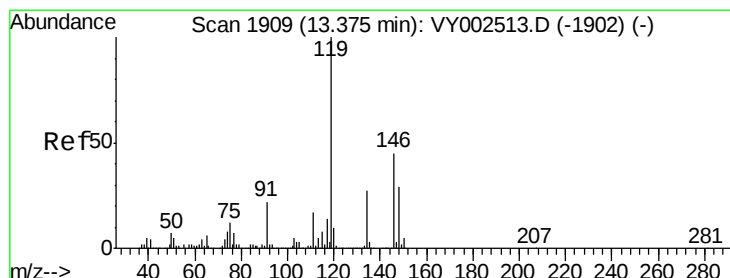
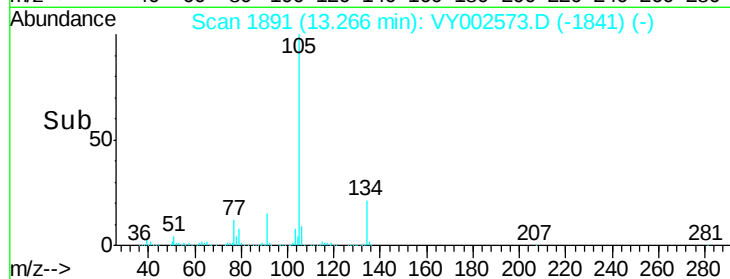
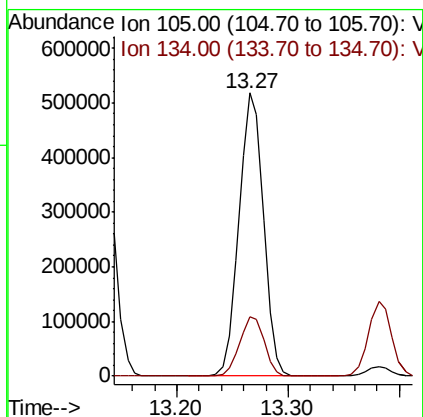
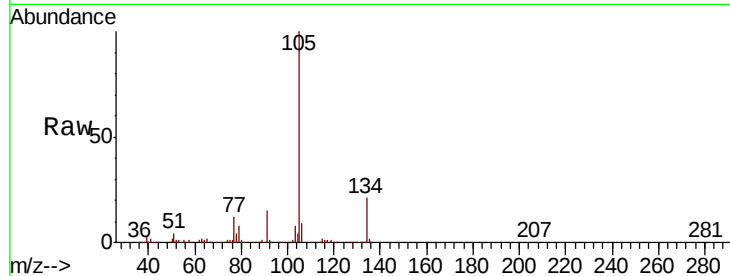




#85
 sec-Butylbenzene
 Concen: 48.324 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

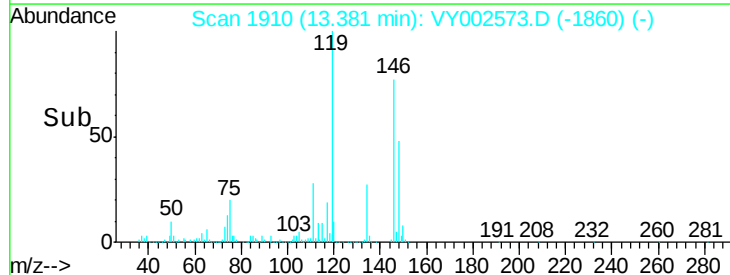
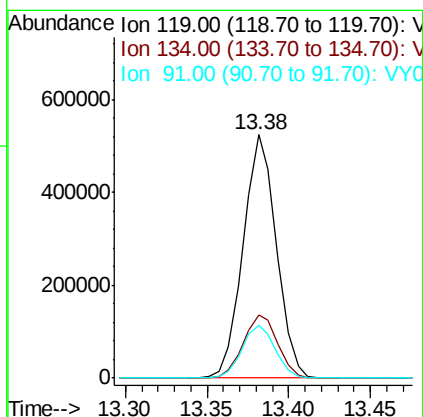
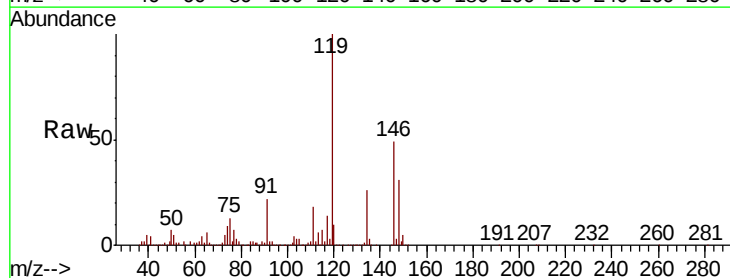
Instrument :
 MSVOA_Y
 ClientSampled :

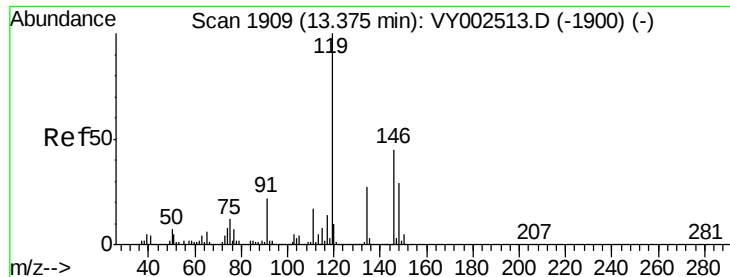
Tot Ion:105 Resp: 785916
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.8 32.3



#86
 p-Isopropyltoluene
 Concen: 48.791 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

Tgt Ion:119 Resp: 743513
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.5
 91 21.7 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 50.921 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

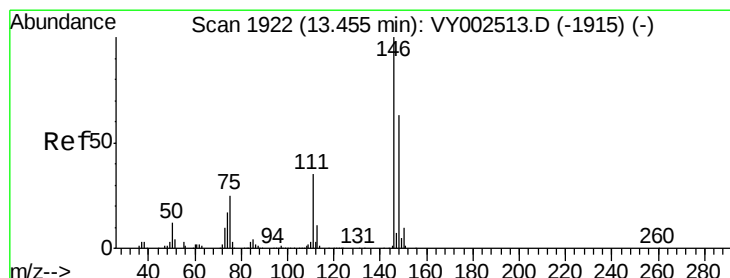
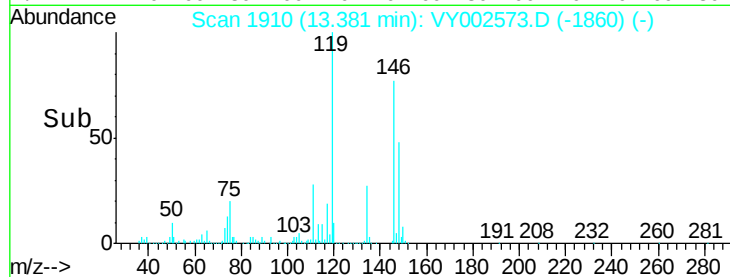
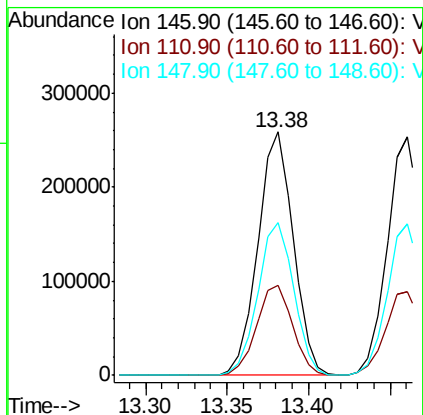
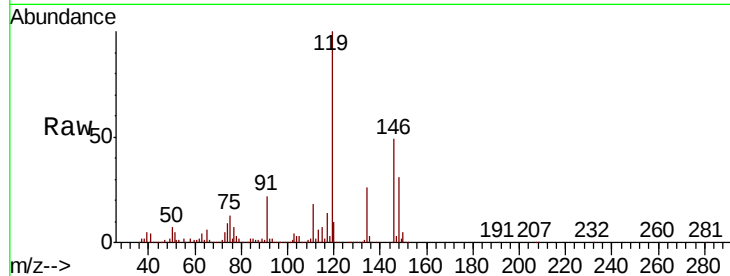
Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:146 Resp: 388285

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.3
148	63.8	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 51.223 ug/l

RT: 13.46 min Scan# 1923

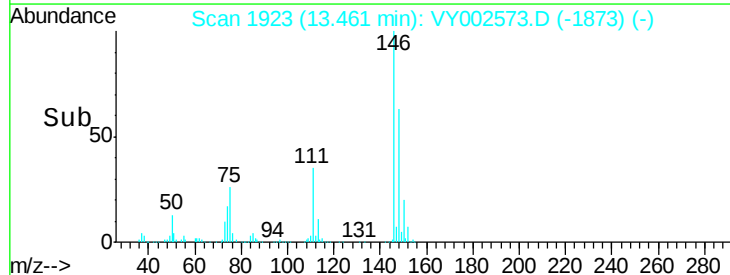
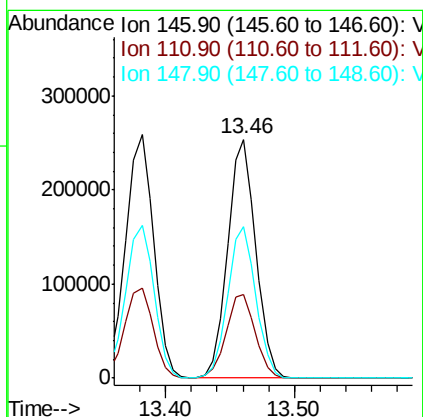
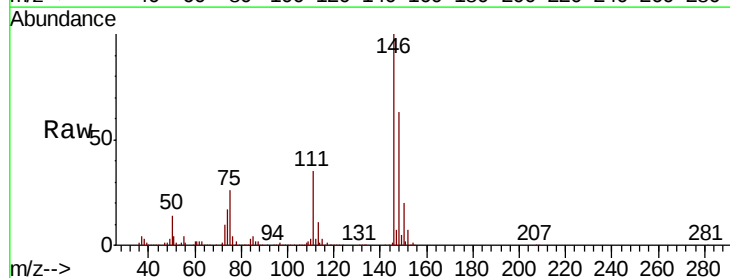
Delta R.T. 0.01 min

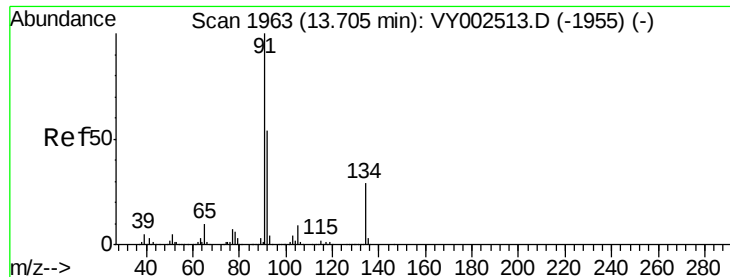
Lab File: VY002573.D

Acq: 05 May 2020 04:34

Tgt Ion:146 Resp: 386756

Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.1
148	63.7	31.9	95.5

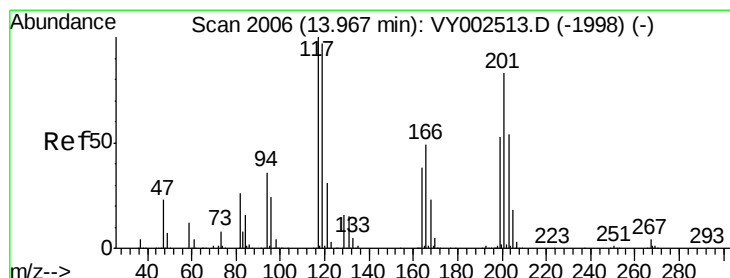
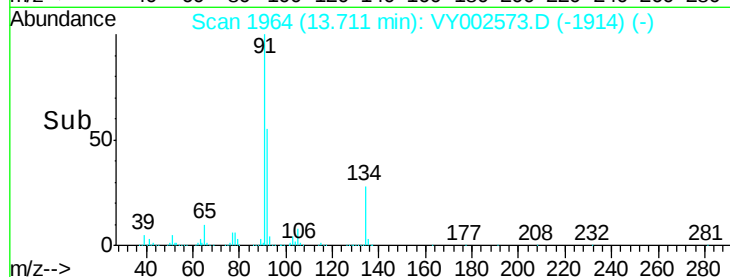
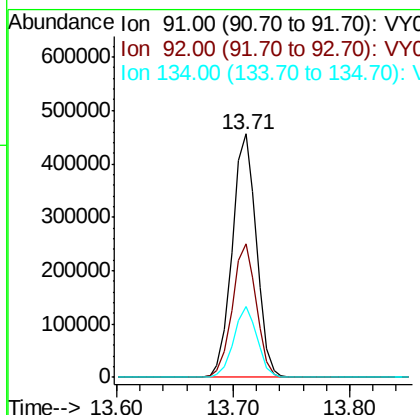
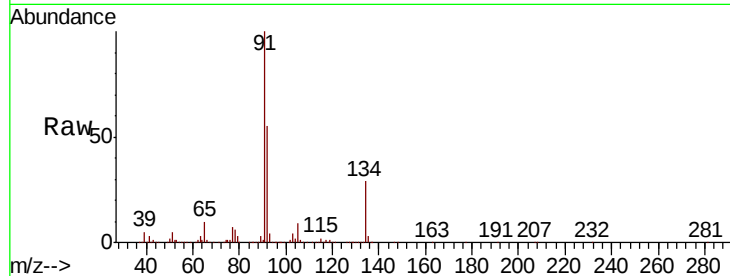




#89
n-Butylbenzene
Concen: 47.418 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

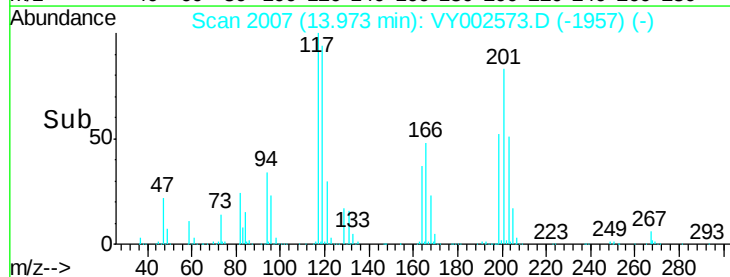
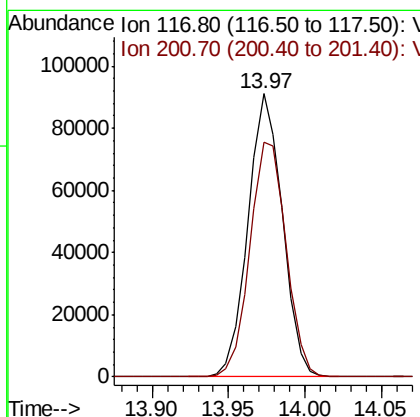
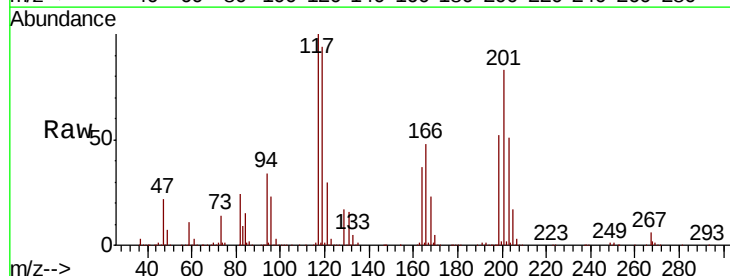
Instrument :
MSVOA_Y
ClientSampleId :

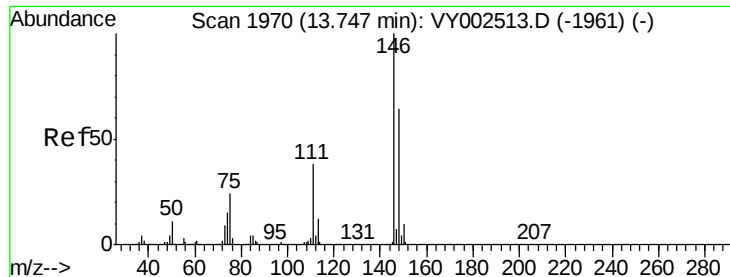
Tot Ion: 91 Resp: 657814
Ion Ratio Lower Upper
91 100
92 54.2 27.1 81.3
134 28.3 14.4 43.0



#90
Hexachloroethane
Concen: 51.375 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002573.D
Acq: 05 May 2020 04:34

Tgt Ion: 117 Resp: 142572
Ion Ratio Lower Upper
117 100
201 87.2 44.4 133.2

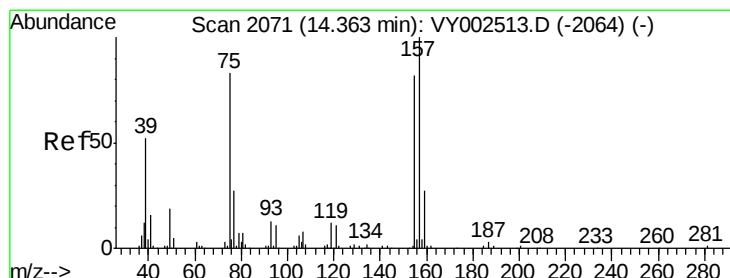
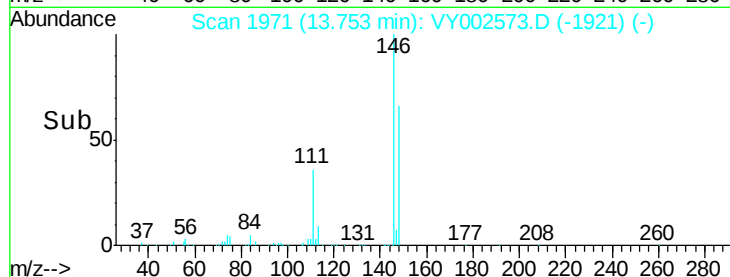
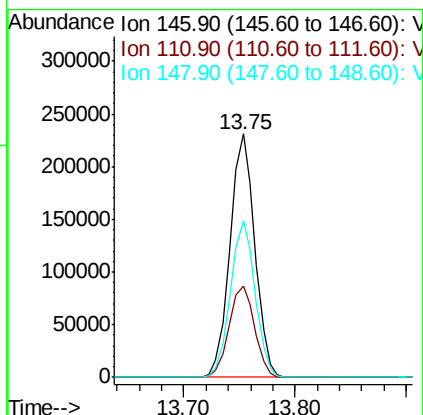
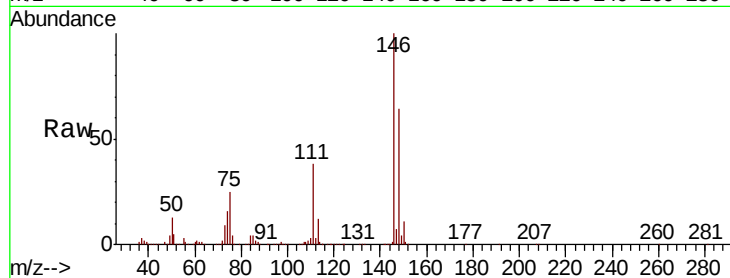




#91
 1,2-Dichlorobenzene
 Concen: 52.110 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

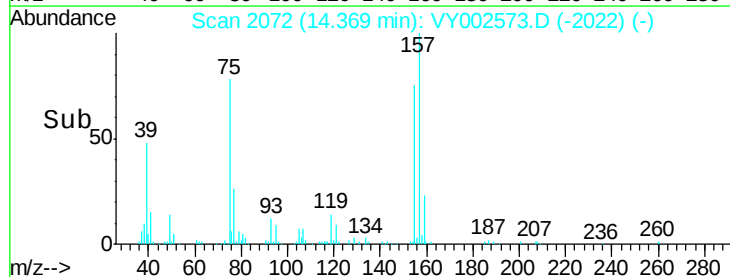
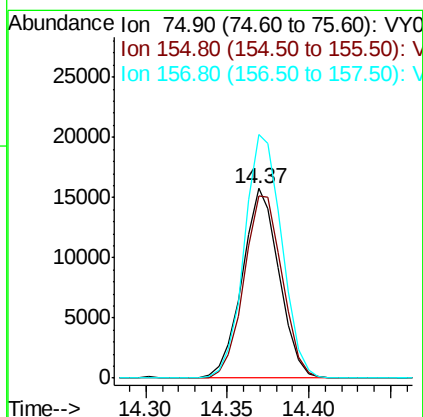
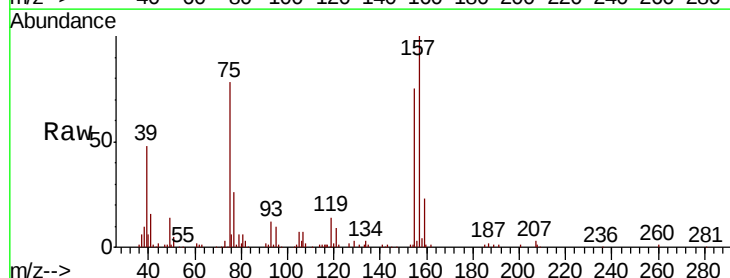
Instrument :
 MSVOA_Y
 ClientSampleId :

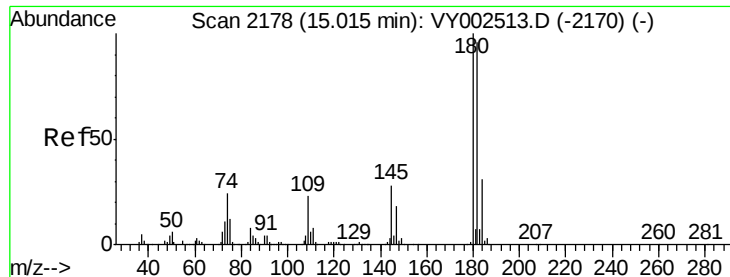
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	64.0	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.856 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.6	51.3	153.9
157	130.4	65.0	195.0

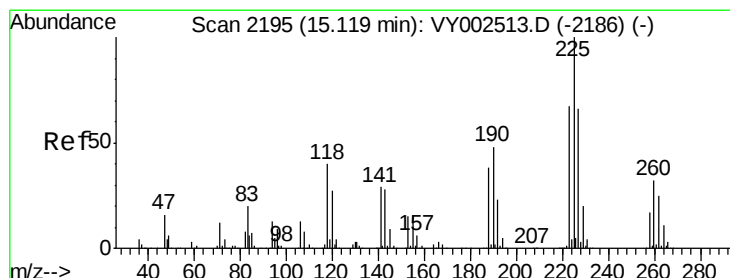
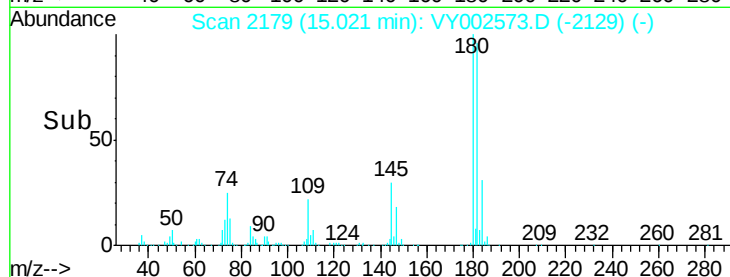
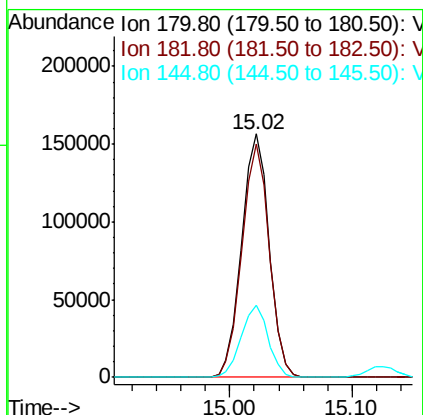
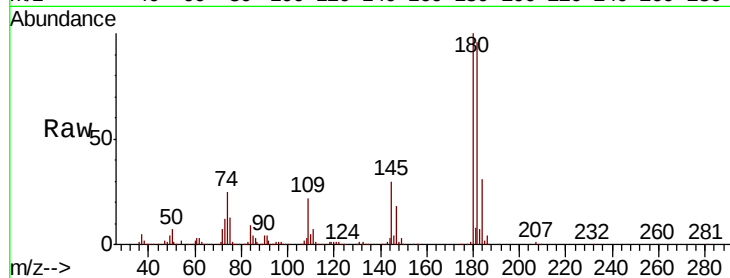




#93
 1,2,4-Trichlorobenzene
 Concen: 49.380 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

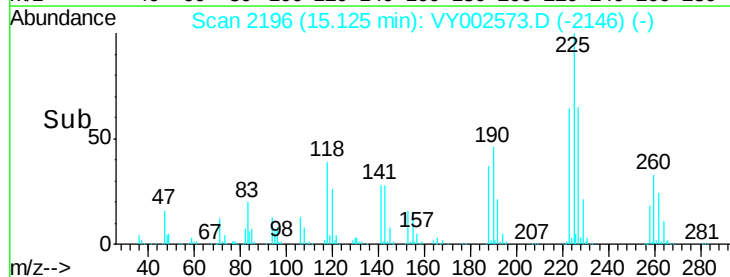
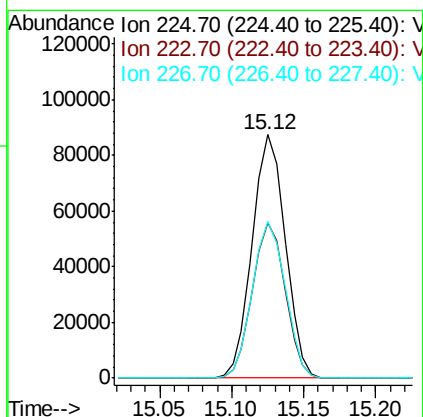
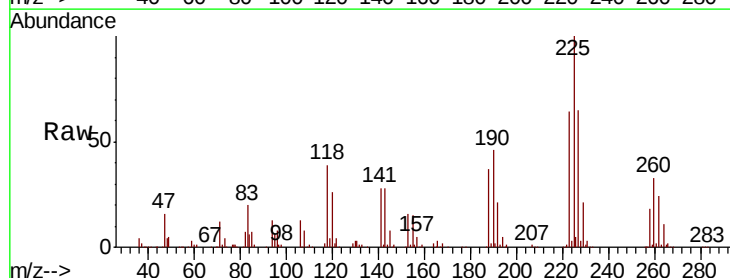
Instrument :
 MSVOA_Y
 ClientSampleId :

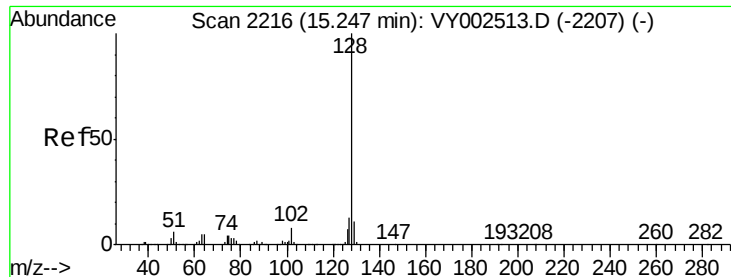
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	29.3	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 46.940 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002573.D
 Acq: 05 May 2020 04:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	32.1	96.5
227	64.2	32.0	96.2





#95

Naphthalene

Concen: 52.134 ug/l

RT: 15.25 min Scan# 2217

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

Instrument :

MSVOA_Y

ClientSampleId :

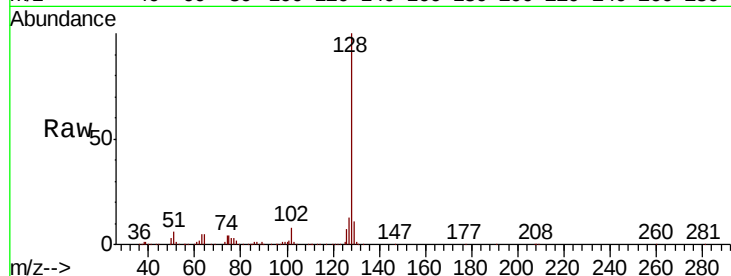
Tot Ion:128 Resp: 469799

Ion Ratio Lower Upper

128 100

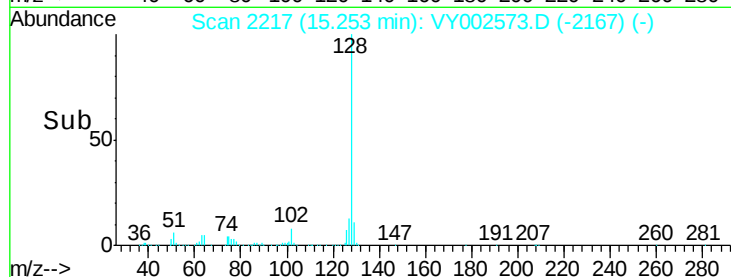
127 12.8 10.5 15.7

129 11.0 8.8 13.2

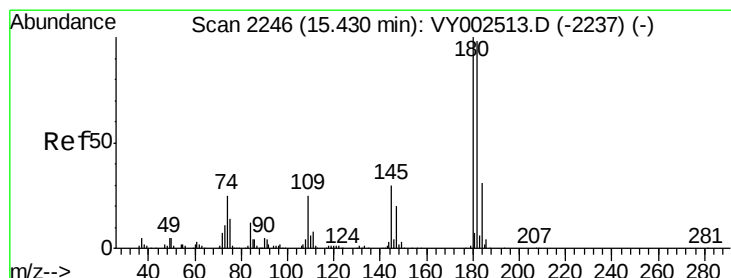


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.25



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 50.956 ug/l

RT: 15.44 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VY002573.D

Acq: 05 May 2020 04:34

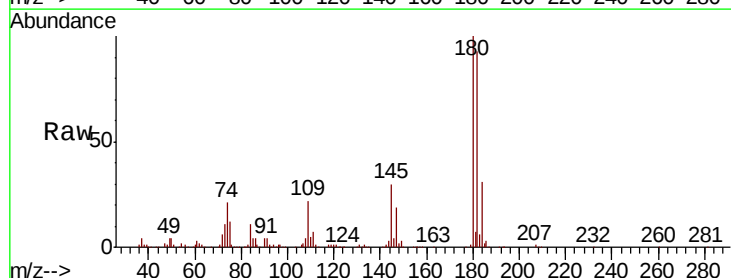
Tgt Ion:180 Resp: 213686

Ion Ratio Lower Upper

180 100

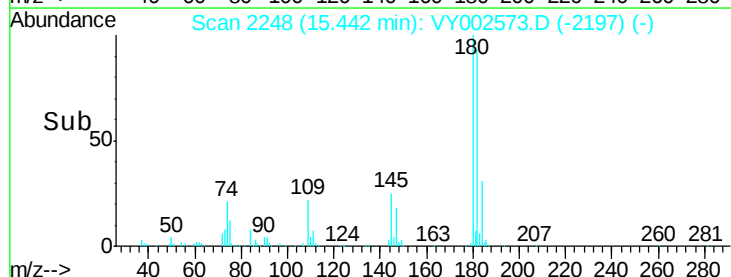
182 94.3 47.9 143.8

145 30.4 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

15.44



Time-->