

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002558.D
 Acq On : 04 May 2020 22:59
 Operator : SY/MD
 Sample : VY0504SBSD02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBSD02

Quant Time: May 05 07:15:33 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	380448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	593701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	539520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	271013	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	166479	52.04	ug/l	0.00
Spiked Amount						
			Recovery	=	104.08%	
35) Dibromofluoromethane	7.75	113	172295	50.74	ug/l	0.01
Spiked Amount						
			Recovery	=	101.48%	
50) Toluene-d8	10.19	98	666125	50.24	ug/l	0.00
Spiked Amount						
			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.49	95	226922	50.44	ug/l	0.00
Spiked Amount						
			Recovery	=	100.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	44774	15.519	ug/l	100
3) Chloromethane	2.13	50	55631	18.048	ug/l	98
4) Vinyl Chloride	2.27	62	64832	18.216	ug/l	98
5) Bromomethane	2.65	94	47211	19.235	ug/l	97
6) Chloroethane	2.81	64	41163	19.369	ug/l	98
7) Trichlorofluoromethane	3.15	101	103778	18.813	ug/l	99
8) Diethyl Ether	3.55	74	38475	20.756	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	65070	19.301	ug/l	99
10) Methyl Iodide	4.11	142	88929	19.362	ug/l	100
11) Tert butyl alcohol	4.99	59	37426	113.719	ug/l	96
12) 1,1-Dichloroethene	3.90	96	63886	19.507	ug/l	98
13) Acrolein	3.76	56	18807	82.639	ug/l	100
14) Allyl chloride	4.51	41	98029	20.543	ug/l	98
15) Acrylonitrile	5.20	53	91921	105.153	ug/l	99
16) Acetone	3.98	43	65524	99.252	ug/l	100
17) Carbon Disulfide	4.22	76	177877	18.053	ug/l	99
18) Methyl Acetate	4.52	43	47379	21.479	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	180943	21.176	ug/l	99
20) Methylene Chloride	4.75	84	80616	21.837	ug/l	97
21) trans-1,2-Dichloroethene	5.26	96	73043	20.405	ug/l	93
22) Diisopropyl ether	6.16	45	212309	21.989	ug/l	96
23) Vinyl Acetate	6.10	43	640630	105.503	ug/l	100
24) 1,1-Dichloroethane	6.05	63	120443	21.086	ug/l	100
25) 2-Butanone	7.02	43	112432	104.039	ug/l	95
26) 2,2-Dichloropropane	7.02	77	99828	18.386	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	83799	21.157	ug/l	97
28) Bromochloromethane	7.36	49	49315	21.072	ug/l	100
29) Tetrahydrofuran	7.38	42	76753	107.348	ug/l	98
30) Chloroform	7.53	83	125389	21.112	ug/l	99
31) Cyclohexane	7.81	56	108233	18.824	ug/l	# 95
32) 1,1,1-Trichloroethane	7.73	97	110894	20.088	ug/l	99
36) 1,1-Dichloropropene	7.94	75	94366	18.960	ug/l	99
37) Ethyl Acetate	7.11	43	51244	20.036	ug/l	99
38) Carbon Tetrachloride	7.93	117	100896	18.568	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	119412	18.165	ug/l	97
40) Benzene	8.19	78	283750	19.739	ug/l	99
41) Methacrylonitrile	7.37	41	70359	51.165	ug/l #	1
42) 1,2-Dichloroethane	8.26	62	78537	19.478	ug/l	99
43) Isopropyl Acetate	8.30	43	97019	20.234	ug/l	100
44) Trichloroethene	8.96	130	87999	19.589	ug/l	97
45) 1,2-Dichloropropane	9.24	63	70444	20.305	ug/l	99
46) Dibromomethane	9.33	93	39683	19.880	ug/l	100
47) Bromodichloromethane	9.52	83	96823	19.949	ug/l	99
48) Methyl methacrylate	9.31	41	43516	20.054	ug/l	99
49) 1,4-Dioxane	9.31	88	10661	403.385	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	253917	102.742	ug/l	100
52) Toluene	10.26	92	180254	19.512	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	98168	19.304	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	115233	19.601	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	58749	20.183	ug/l	98
56) Ethyl methacrylate	10.52	69	77426	19.995	ug/l	98
57) 1,3-Dichloropropane	10.80	76	100622	20.384	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	205473	100.619	ug/l	99
59) 2-Hexanone	10.85	43	172217	101.245	ug/l	100
60) Dibromochloromethane	11.00	129	74074	20.008	ug/l	100
61) 1,2-Dibromoethane	11.10	107	56889	19.738	ug/l	100
64) Tetrachloroethene	10.74	164	98220	20.490	ug/l	99
65) Chlorobenzene	11.53	112	203101	19.803	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	75870	19.928	ug/l	98
67) Ethyl Benzene	11.61	91	353787	19.638	ug/l	100
68) m/p-Xylenes	11.72	106	269729	38.694	ug/l	99
69) o-Xylene	12.04	106	129092	19.779	ug/l	99
70) Styrene	12.06	104	221291	19.833	ug/l	98
71) Bromoform	12.22	173	46622	19.730	ug/l #	97
73) Isopropylbenzene	12.34	105	348820	19.860	ug/l	100
74) N-amyl acetate	12.16	43	86820	20.548	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	53858	19.281	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	85057	35.317	ug/l #	100
77) Bromobenzene	12.62	156	89321	20.355	ug/l	99
78) n-propylbenzene	12.68	91	402471	19.745	ug/l	100
79) 2-Chlorotoluene	12.77	91	226184	20.033	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	288005	19.781	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	21557	17.948	ug/l	95
82) 4-Chlorotoluene	12.86	91	235740	19.877	ug/l	100
83) tert-Butylbenzene	13.09	119	260898	20.437	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	289293	19.937	ug/l	100
85) sec-Butylbenzene	13.27	105	354905	20.035	ug/l	99
86) p-Isopropyltoluene	13.38	119	326822	19.690	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	165696	19.950	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	166074	20.194	ug/l	99
89) n-Butylbenzene	13.70	91	292517	19.359	ug/l	100
90) Hexachloroethane	13.97	117	61631	20.389	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	149801	20.213	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	10278	19.739	ug/l	99

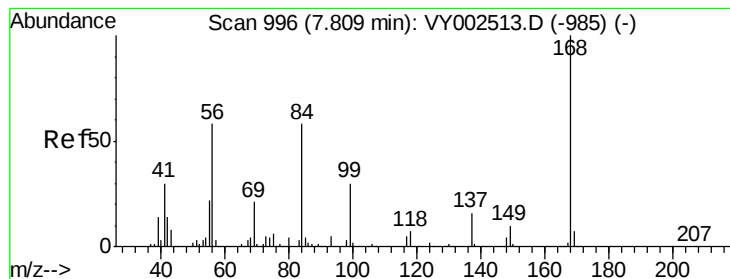
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	107124	19.910	ug/l	99
94) Hexachlorobutadiene	15.12	225	65479	20.274	ug/l	98
95) Naphthalene	15.25	128	200680	20.446	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	90845	19.889	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

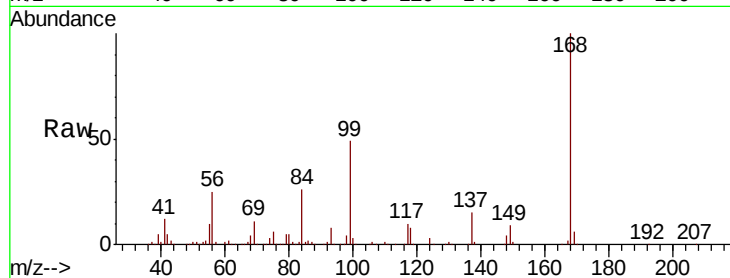
VY0504SBS02

Tot Ion:168 Resp: 380448

Ion Ratio Lower Upper

168 100

99 49.5 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

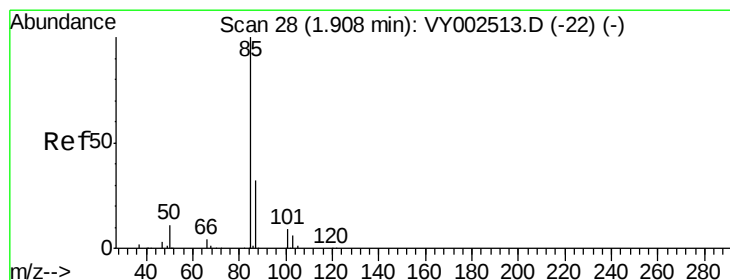
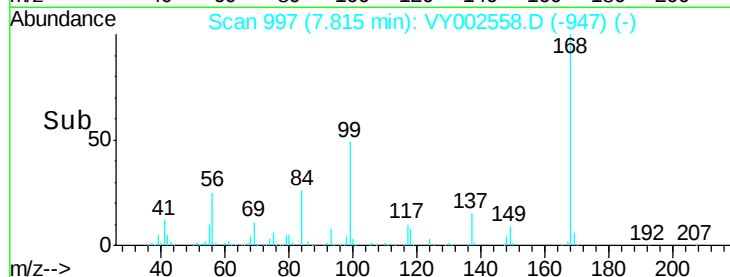
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 15.519 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002558.D

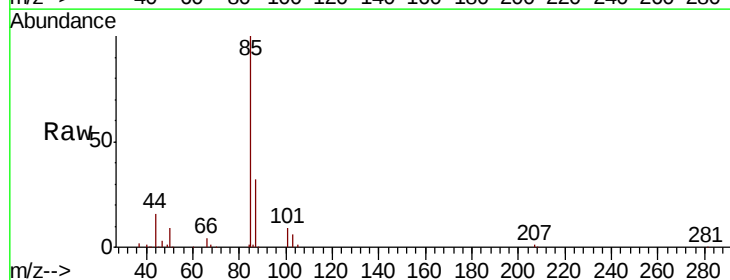
Acq: 04 May 2020 22:59

Tgt Ion: 85 Resp: 44774

Ion Ratio Lower Upper

85 100

87 31.8 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

30000

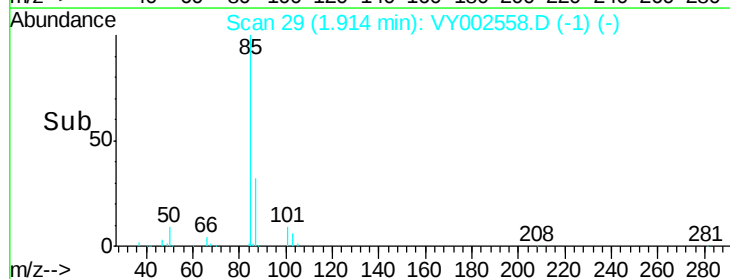
20000

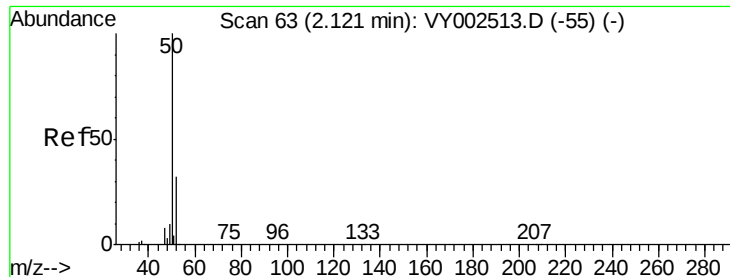
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 18.048 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

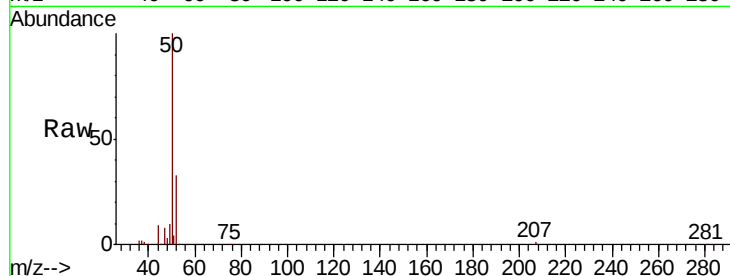
VY0504SBS02

Tot Ion: 50 Resp: 55631

Ion Ratio Lower Upper

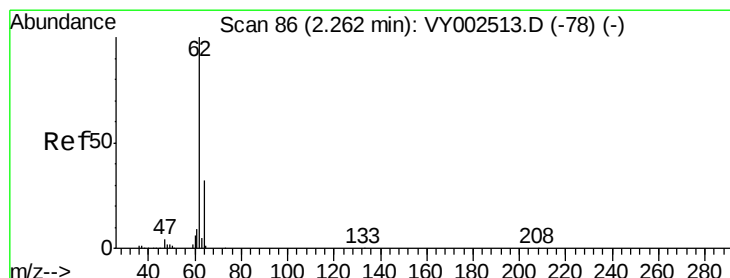
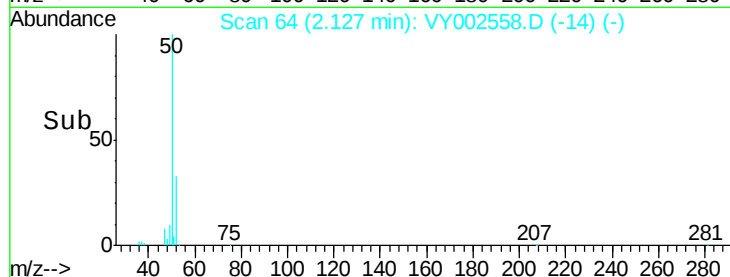
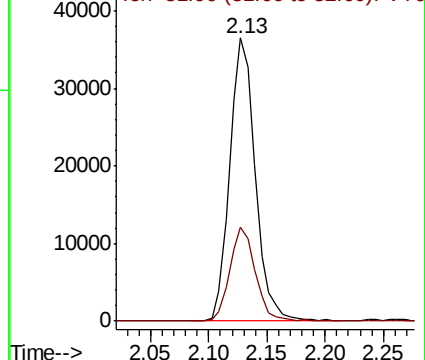
50 100

52 33.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 18.216 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY002558.D

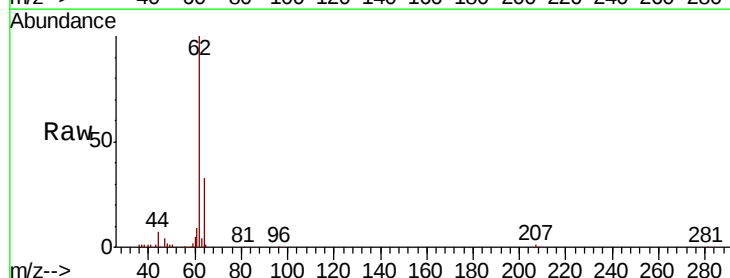
Acq: 04 May 2020 22:59

Tgt Ion: 62 Resp: 64832

Ion Ratio Lower Upper

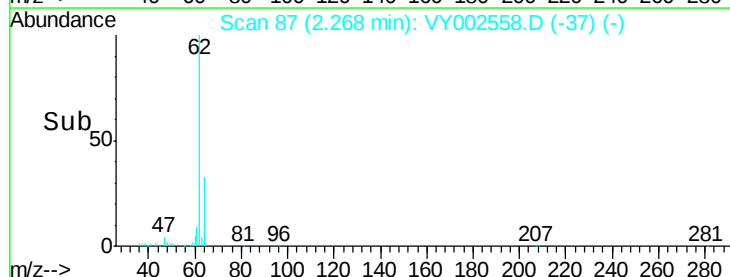
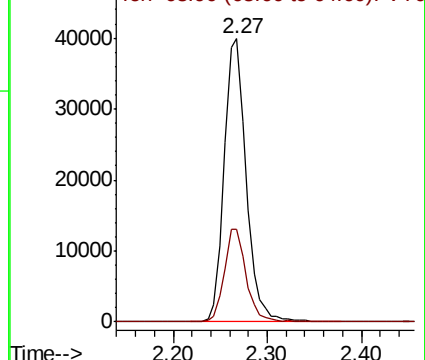
62 100

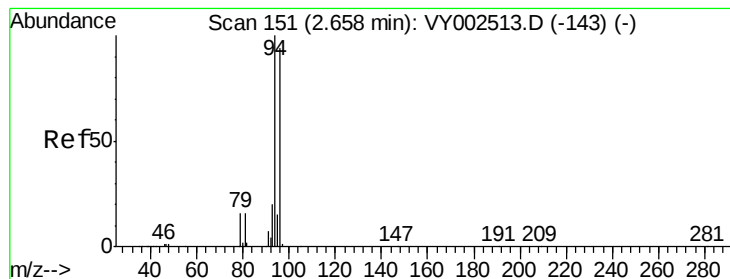
64 32.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 19.235 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

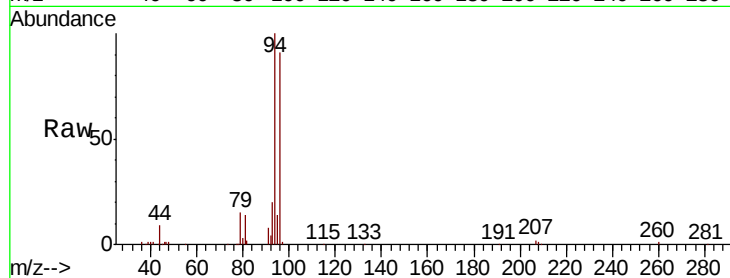
VY0504SBS02

Tot Ion: 94 Resp: 47211

Ion Ratio Lower Upper

94 100

96 90.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

25000

20000

15000

10000

5000

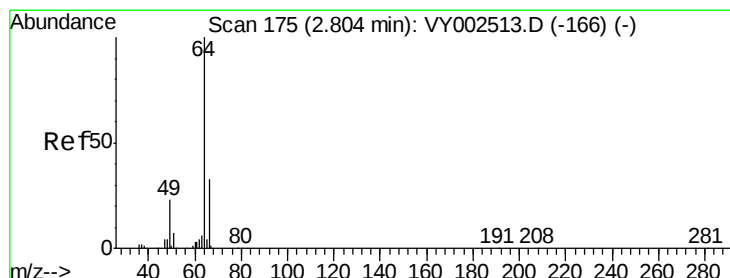
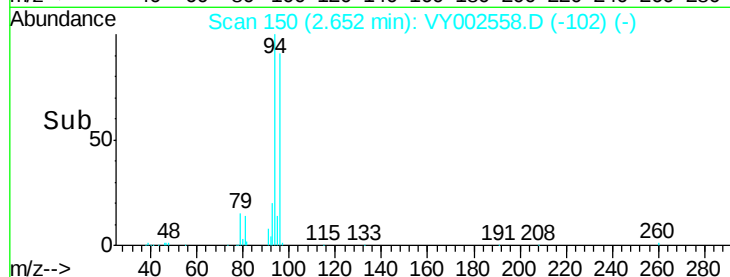
0

2.65

2.70

2.80

Time-->



#6

Chloroethane

Concen: 19.369 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002558.D

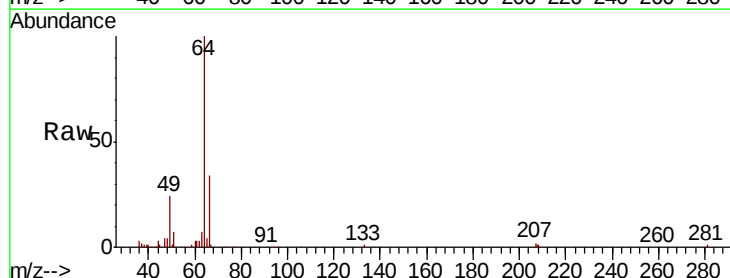
Acq: 04 May 2020 22:59

Tgt Ion: 64 Resp: 41163

Ion Ratio Lower Upper

64 100

66 33.9 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

20000

15000

10000

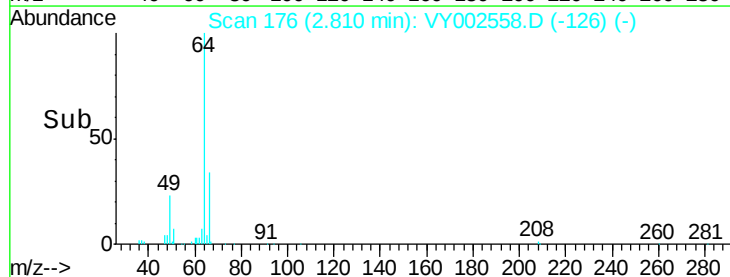
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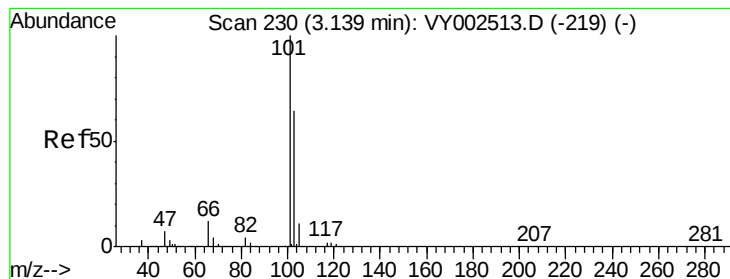
0

2.81

2.90

Time-->



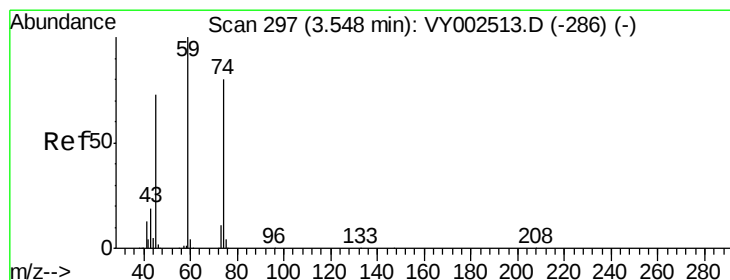
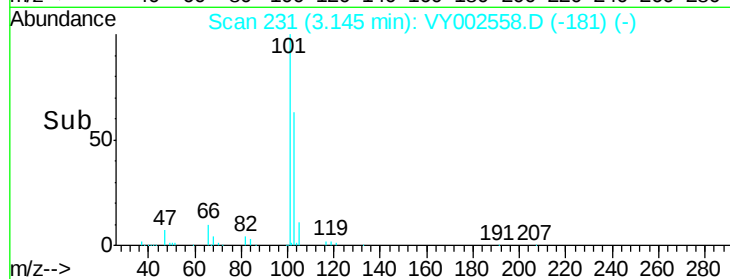
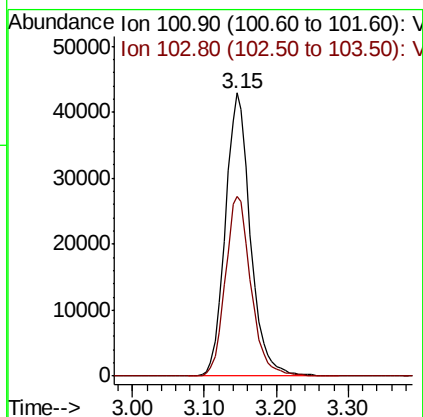
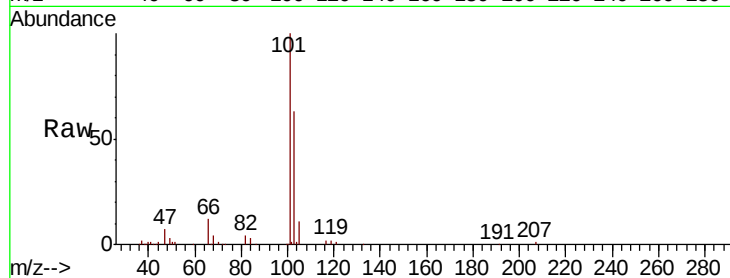


#7

Trichlorofluoromethane
 Concen: 18.813 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

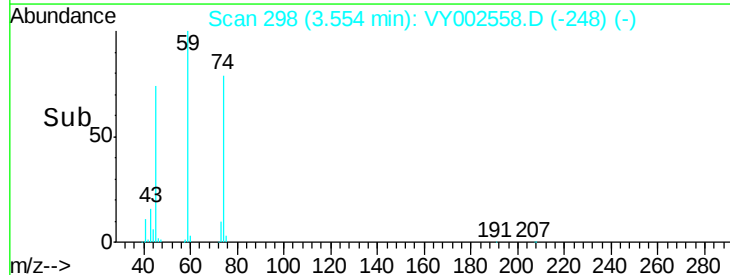
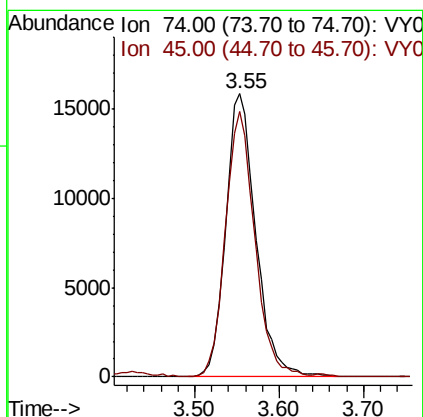
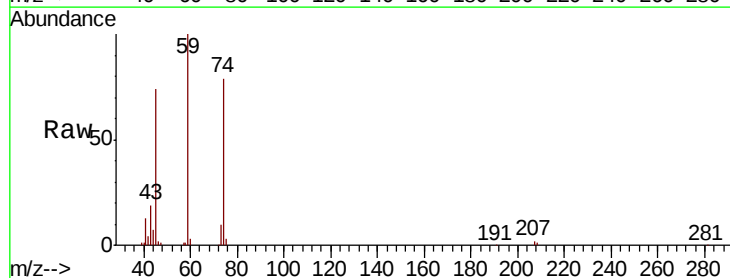
Tot Ion:101 Resp: 103778
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.4 77.0

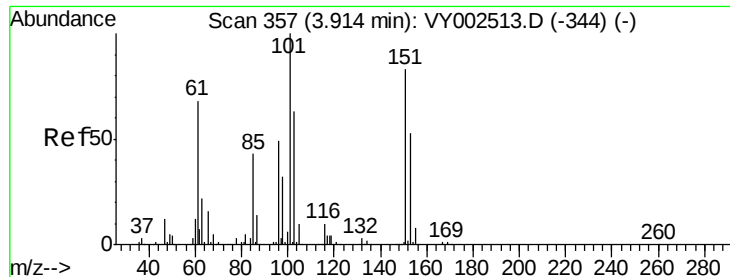


#8

Diethyl Ether
 Concen: 20.756 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion: 74 Resp: 38475
 Ion Ratio Lower Upper
 74 100
 45 92.0 46.2 138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.301 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBSD02

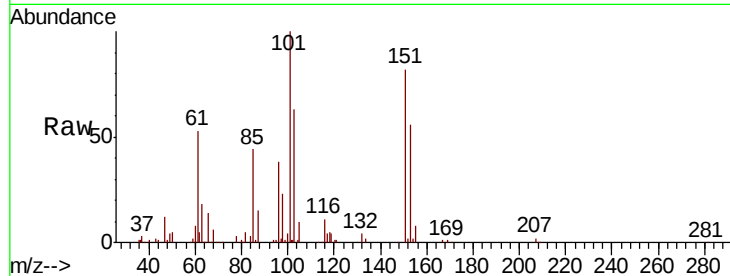
Tot Ion:101 Resp: 65070

Ion Ratio Lower Upper

101 100

85 42.4 33.4 50.2

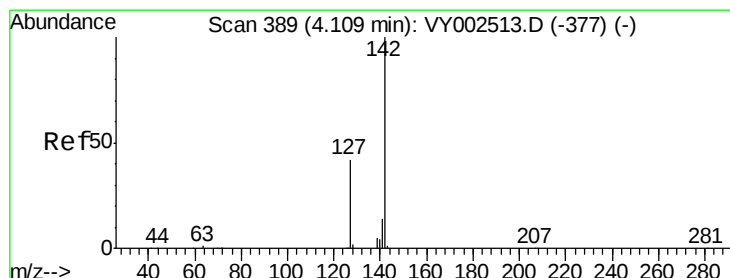
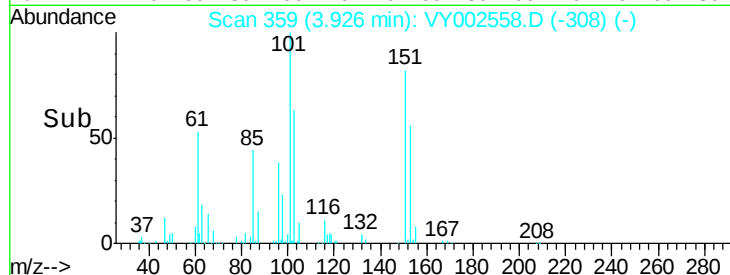
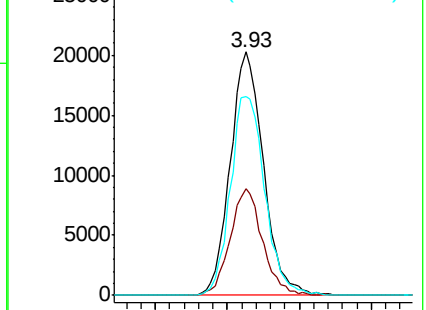
151 84.4 66.8 100.2



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: 19.362 ug/l

RT: 4.11 min Scan# 390

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

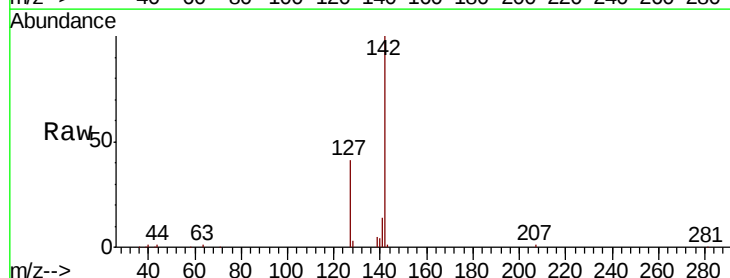
Tgt Ion:142 Resp: 88929

Ion Ratio Lower Upper

142 100

127 42.2 33.7 50.5

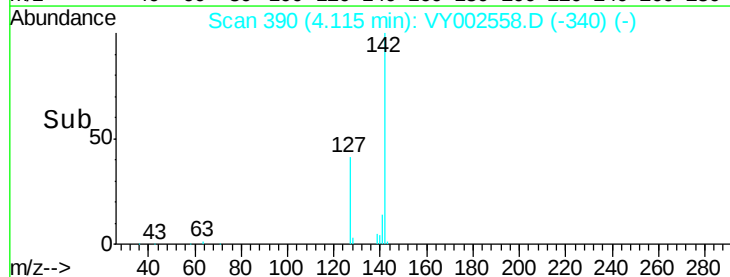
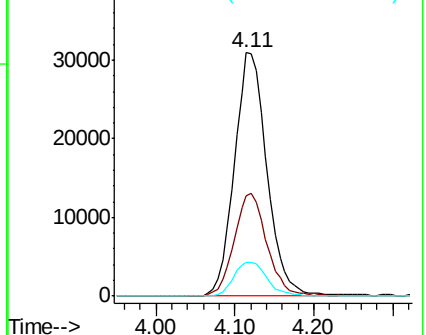
141 14.3 11.4 17.0



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



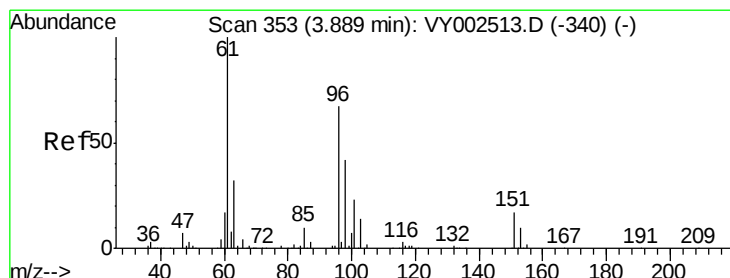
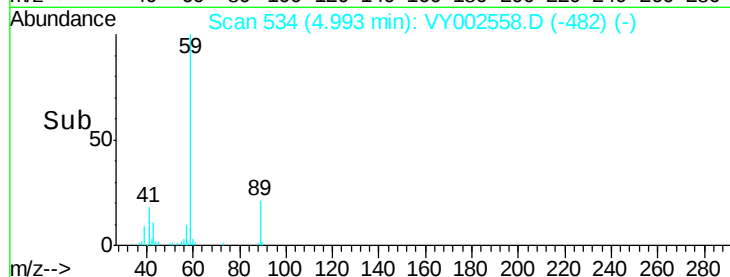
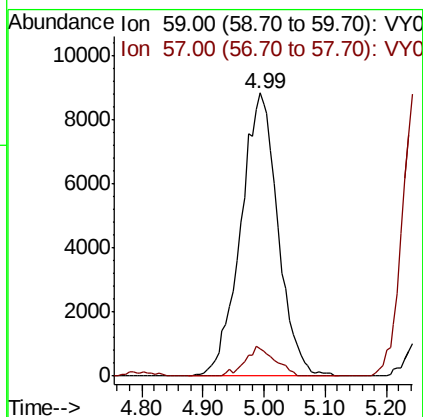
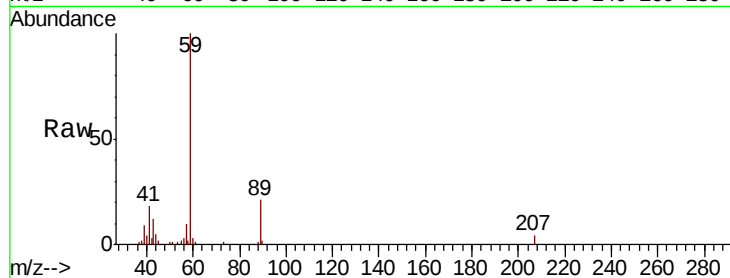


#11

Tert butyl alcohol
 Concen: 113.719 ug/l
 RT: 4.99 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

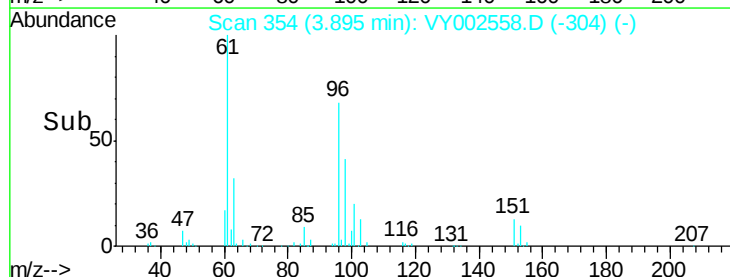
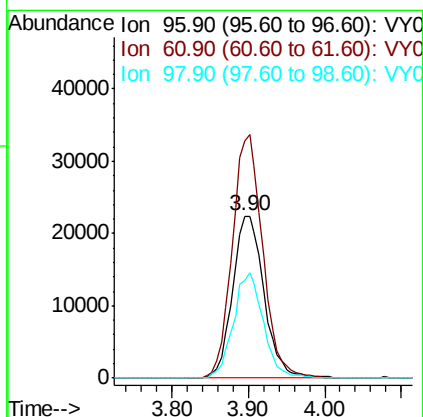
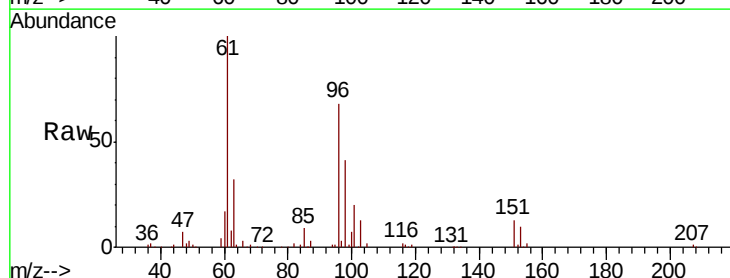
Tot Ion: 59 Resp: 37426
 Ion Ratio Lower Upper
 59 100
 57 8.3 7.8 11.6

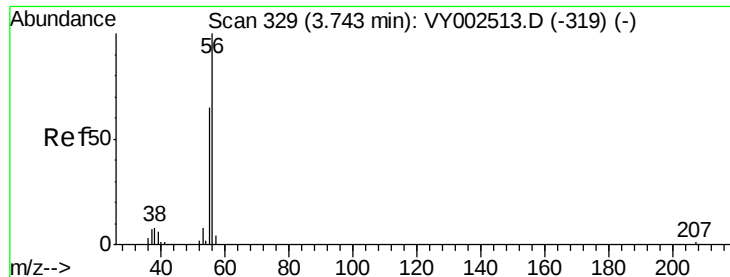


#12

1,1-Dichloroethene
 Concen: 19.507 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion: 96 Resp: 63886
 Ion Ratio Lower Upper
 96 100
 61 146.4 118.8 178.2
 98 60.1 49.6 74.4





#13

Acrolein

Concen: 82.639 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

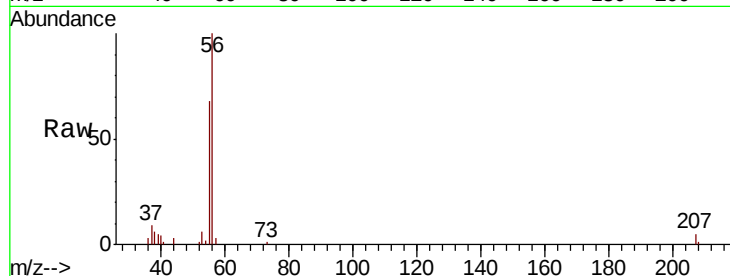
VY0504SBS02

Tot Ion: 56 Resp: 18807

Ion Ratio Lower Upper

56 100

55 67.3 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.76

8000

6000

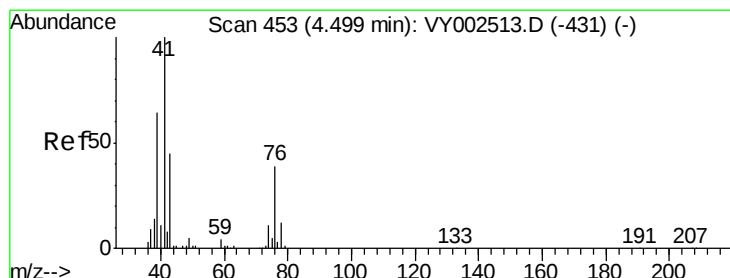
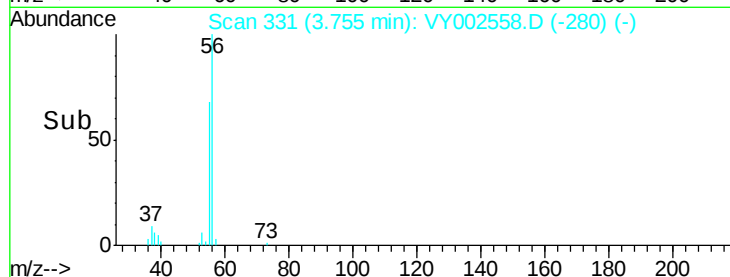
4000

2000

0

Time-->

3.70 3.80 3.90



#14

Allyl chloride

Concen: 20.543 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

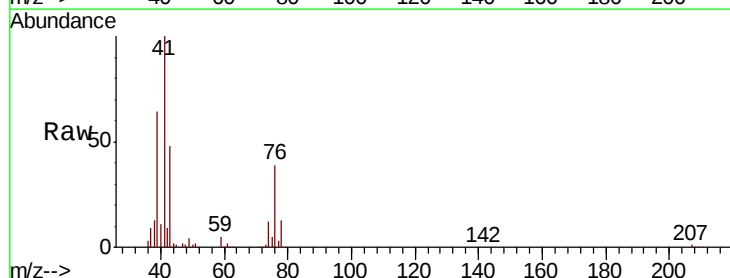
Tgt Ion: 41 Resp: 98029

Ion Ratio Lower Upper

41 100

39 63.2 51.8 77.6

76 38.7 31.7 47.5



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

4.51

40000

30000

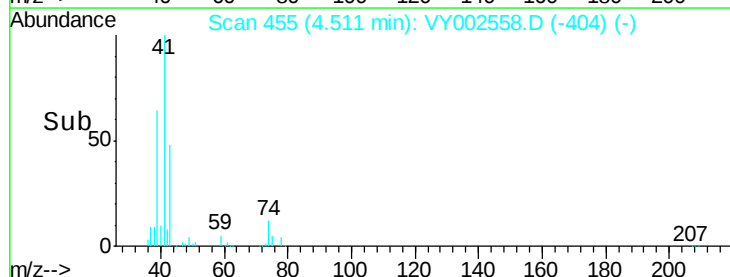
20000

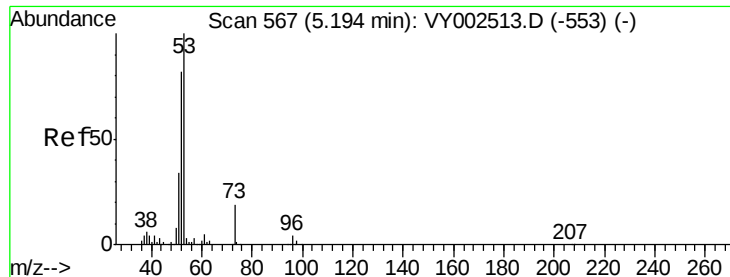
10000

0

Time-->

4.30 4.40 4.50 4.60 4.70





#15

Acrylonitrile

Concen: 105.153 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

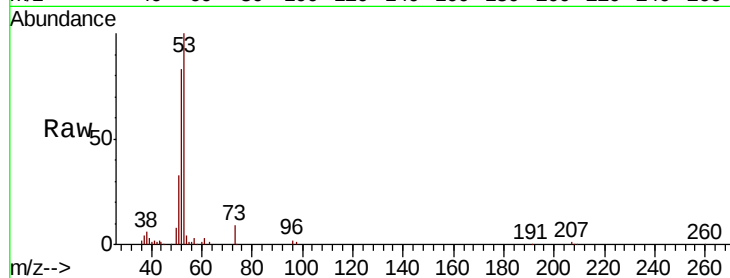
Tot Ion: 53 Resp: 91921

Ion Ratio Lower Upper

53 100

52 82.7 65.4 98.0

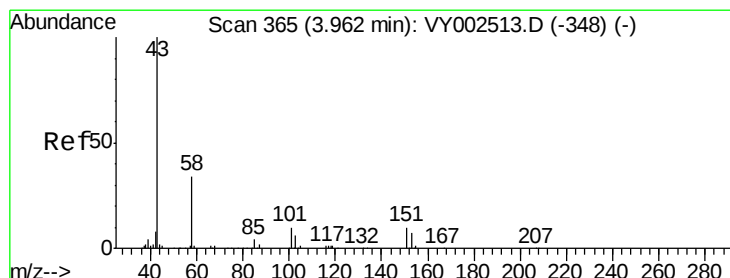
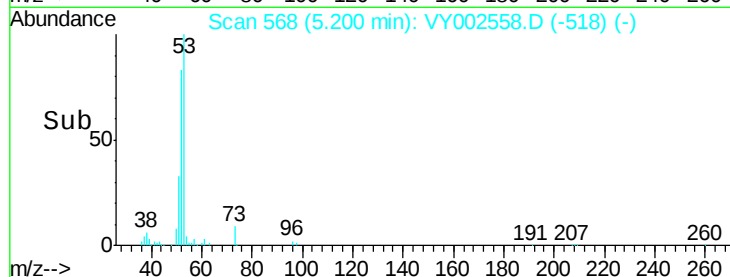
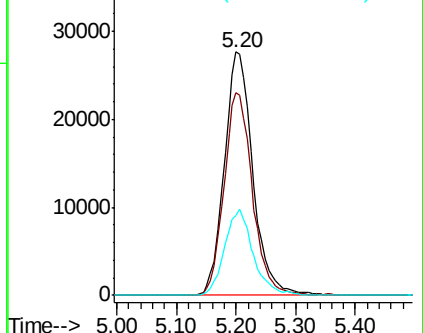
51 35.1 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 99.252 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.02 min

Lab File: VY002558.D

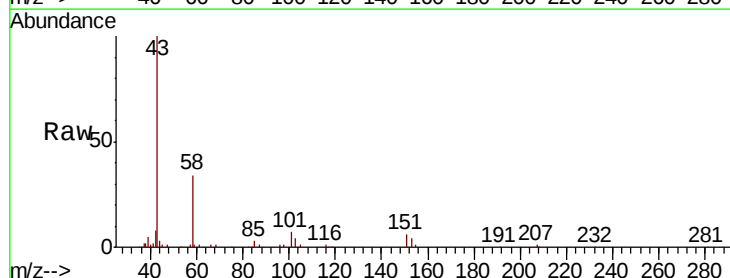
Acq: 04 May 2020 22:59

Tgt Ion: 43 Resp: 65524

Ion Ratio Lower Upper

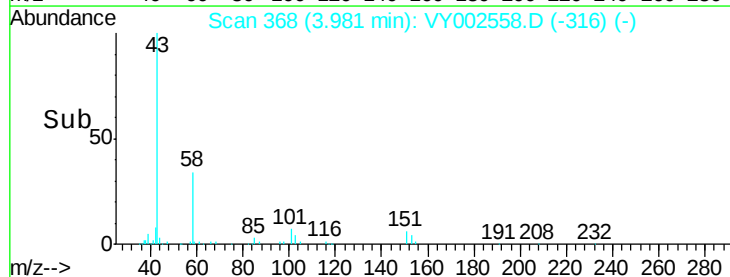
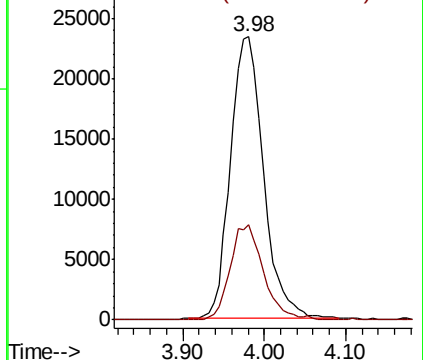
43 100

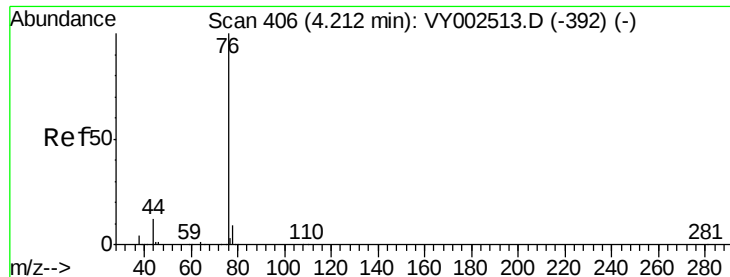
58 33.7 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

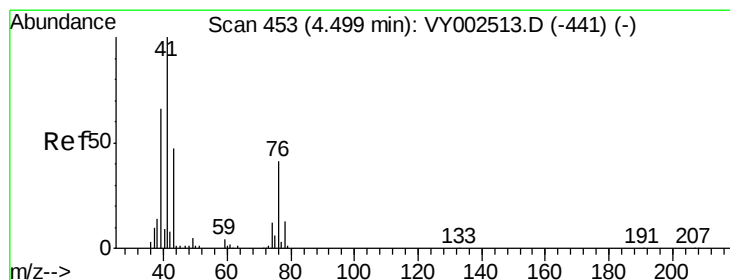
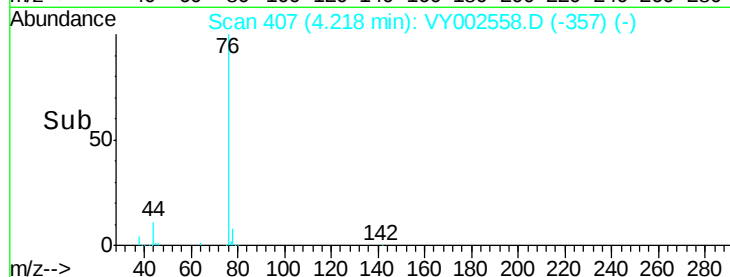
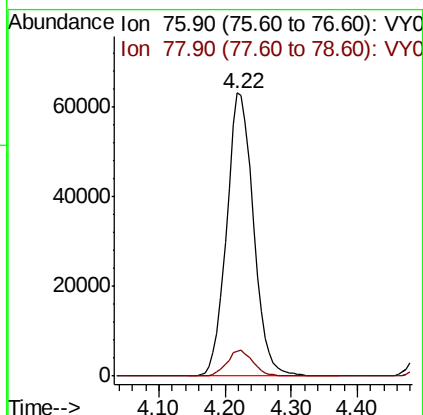
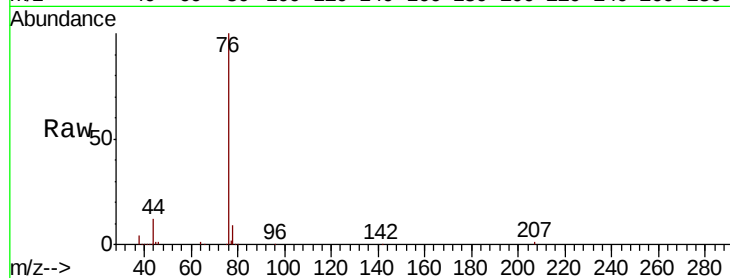




#17
Carbon Disulfide
Concen: 18.053 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

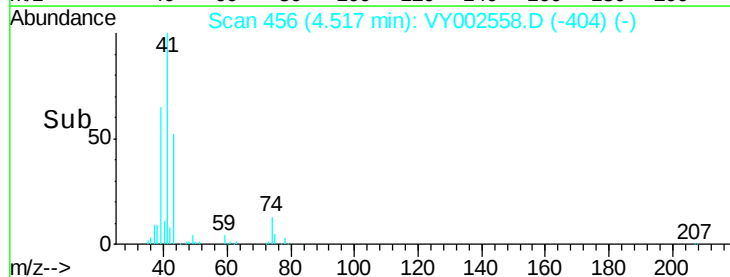
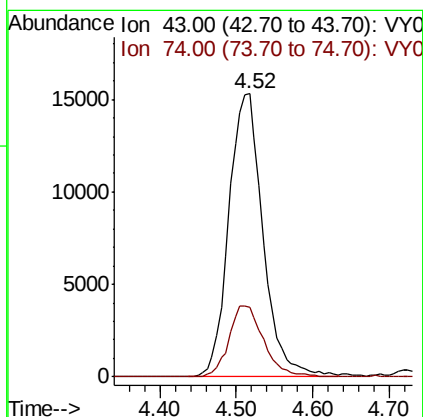
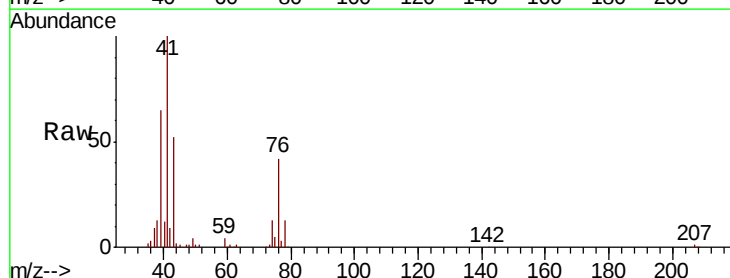
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD02

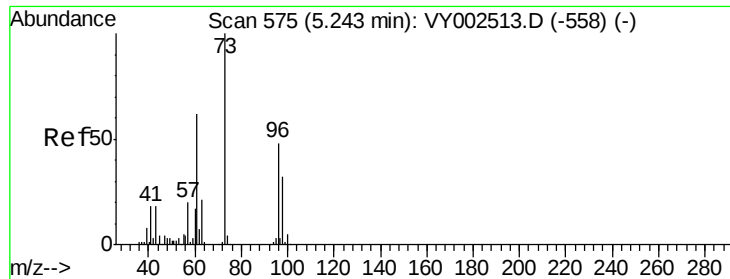
Tot Ion: 76 Resp: 177877
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 21.479 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.02 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion: 43 Resp: 47379
Ion Ratio Lower Upper
43 100
74 25.4 21.2 31.8

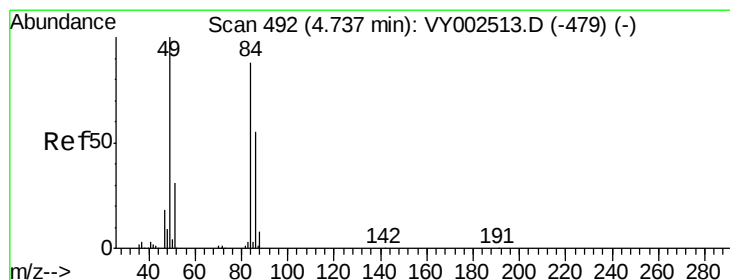
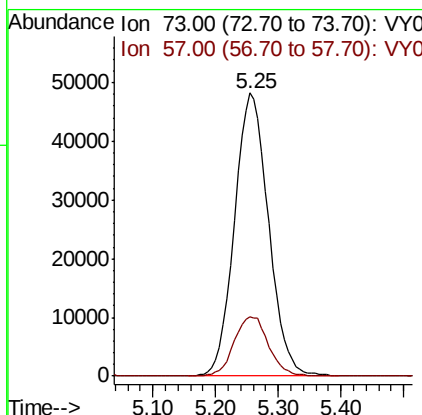
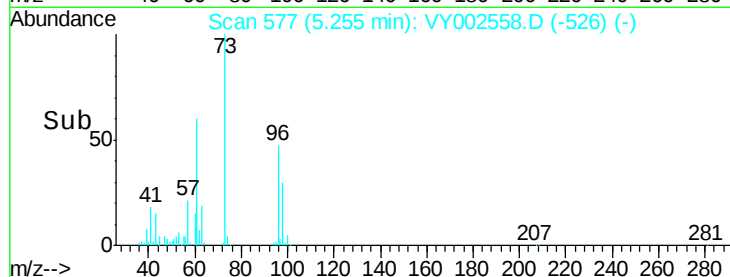
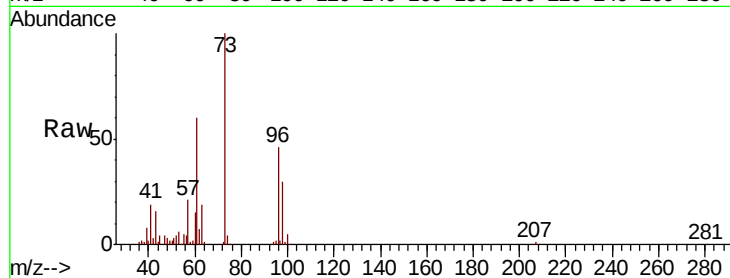




#19
Methvl tert-butvl Ether
Concen: 21.176 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

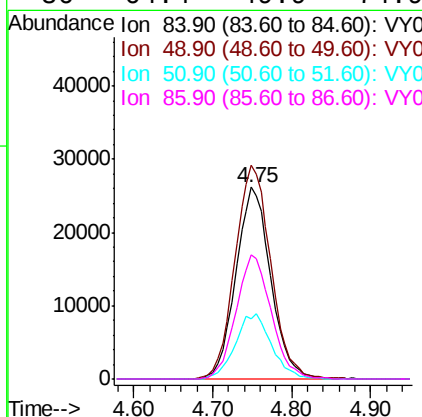
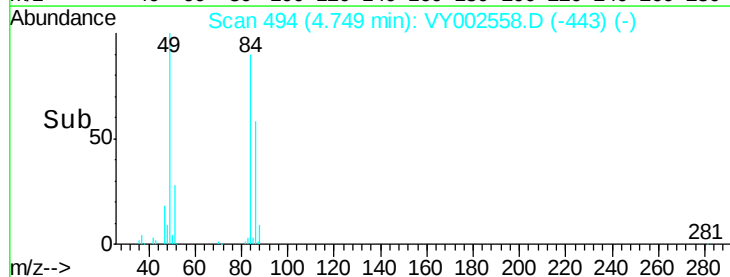
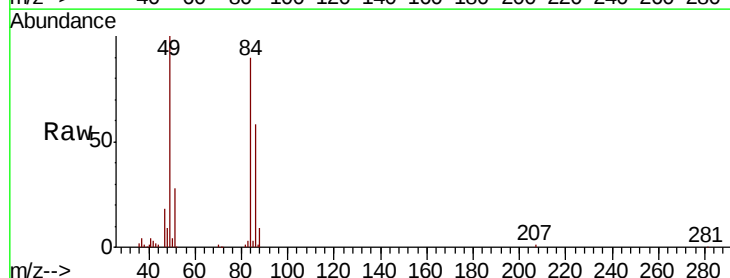
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

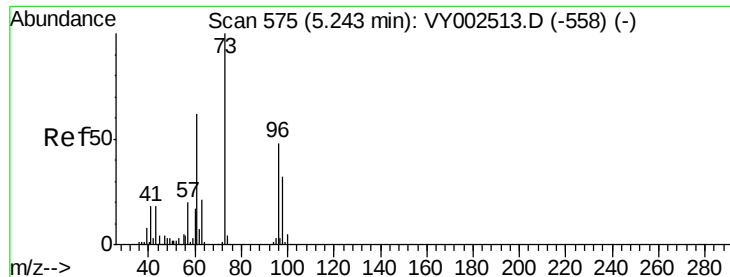
Tot Ion: 73 Resp: 180943
Ion Ratio Lower Upper
73 100
57 21.0 16.3 24.5



#20
Methylene Chloride
Concen: 21.837 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion: 84 Resp: 80616
Ion Ratio Lower Upper
84 100
49 111.3 90.5 135.7
51 31.6 28.3 42.5
86 64.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.405 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.02 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBSD02

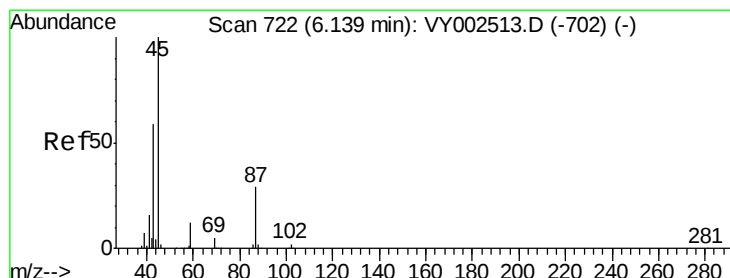
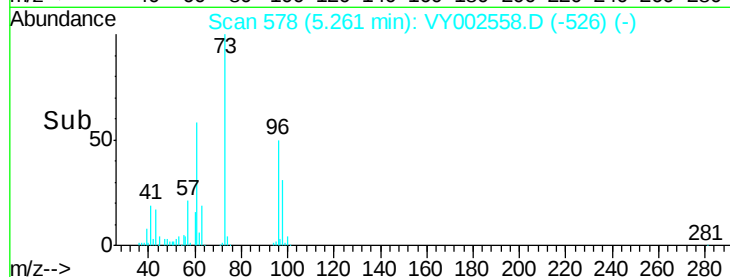
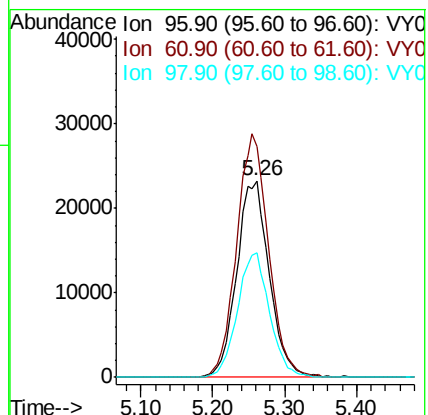
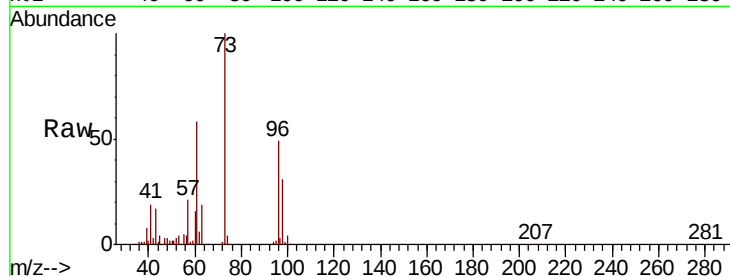
Tot Ion: 96 Resp: 73043

Ion Ratio Lower Upper

96 100

61 117.7 102.0 153.0

98 63.3 53.0 79.4



#22

Diisopropyl ether

Concen: 21.989 ug/l

RT: 6.16 min Scan# 725

Delta R.T. 0.02 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Tgt Ion: 45 Resp: 212309

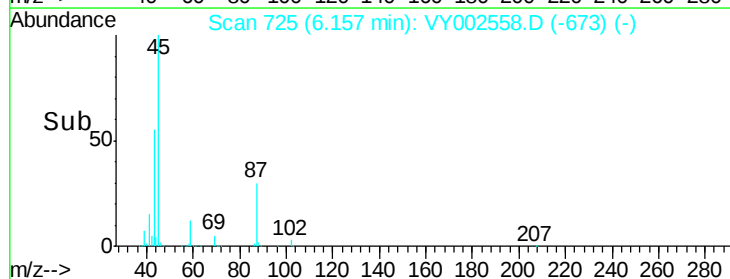
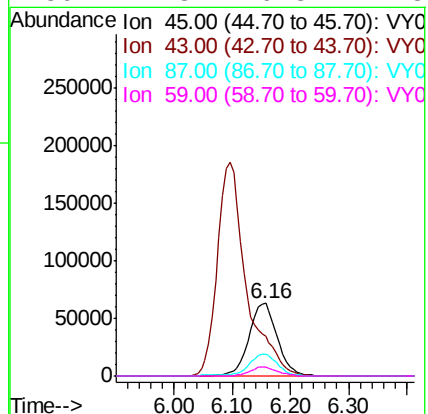
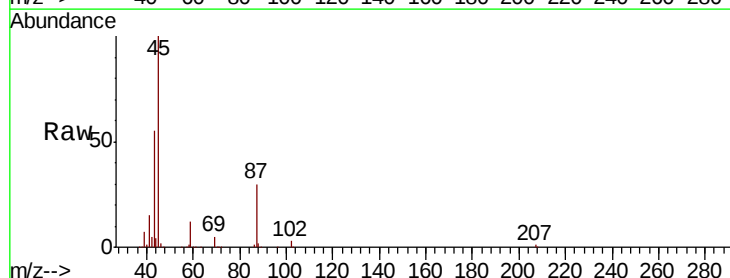
Ion Ratio Lower Upper

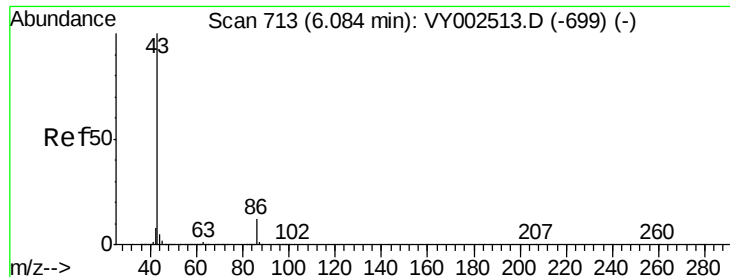
45 100

43 54.6 47.4 71.0

87 29.7 24.0 36.0

59 11.8 9.8 14.8





#23

Vinyl Acetate

Concen: 105.503 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

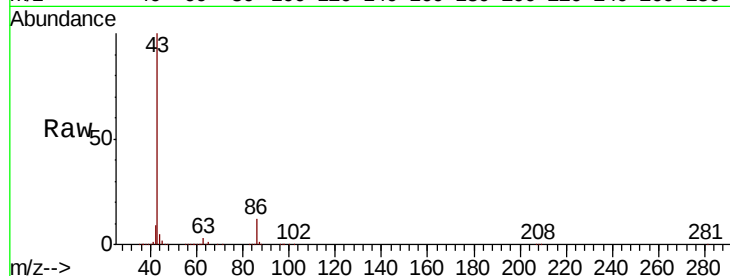
VY0504SBS02

Tot Ion: 43 Resp: 640630

Ion Ratio Lower Upper

43 100

86 12.3 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.10

200000

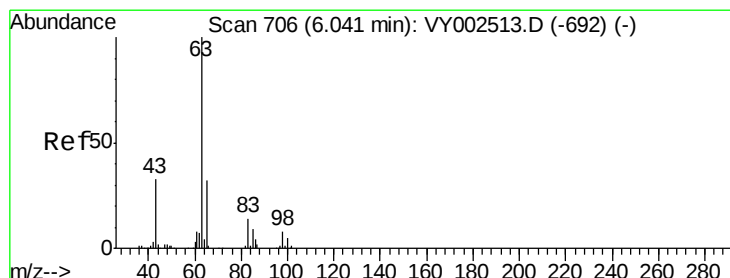
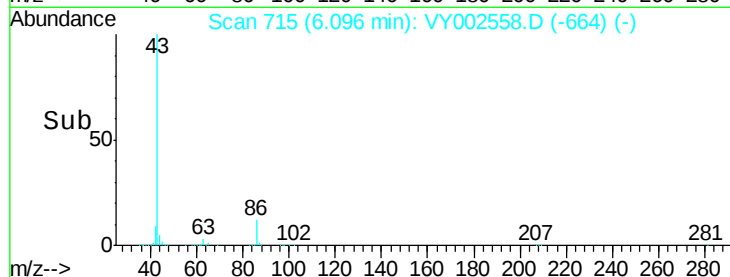
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 21.086 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

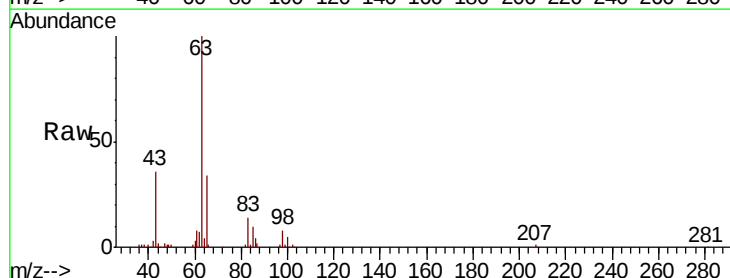
Tgt Ion: 63 Resp: 120443

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.7

100 5.1 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

6.05

50000

40000

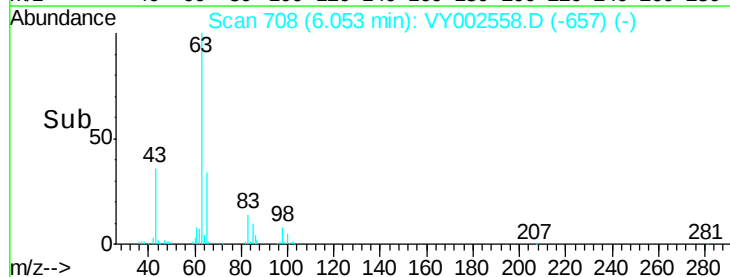
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 104.039 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

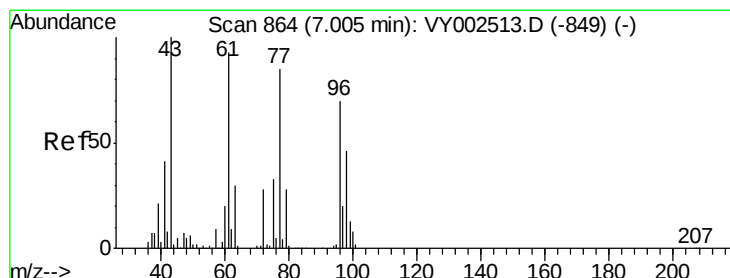
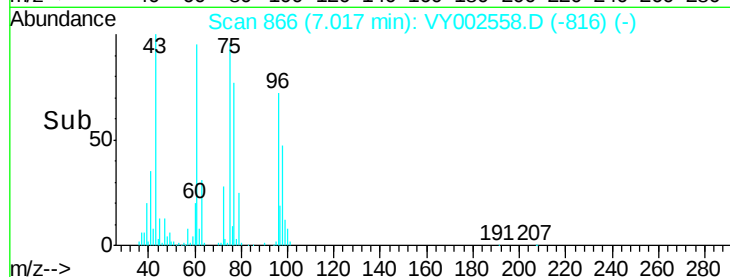
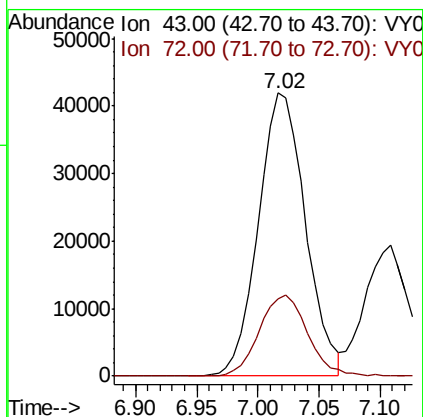
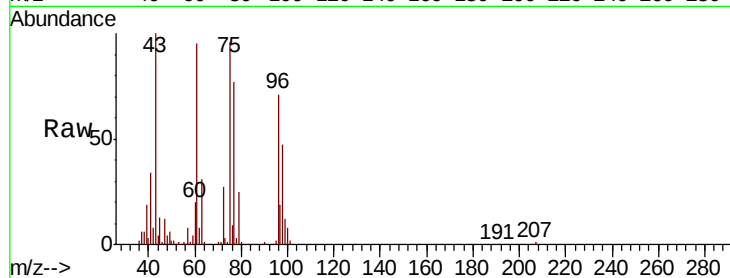
VY0504SBS02

Tot Ion: 43 Resp: 112432

Ion Ratio Lower Upper

43 100

72 27.4 24.1 36.1



#26

2,2-Dichloropropane

Concen: 18.386 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002558.D

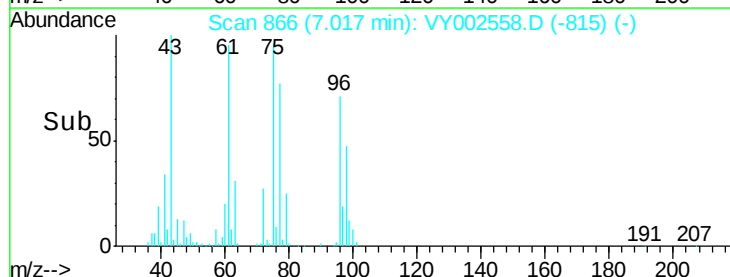
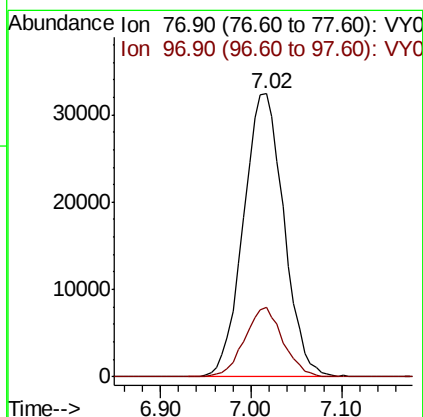
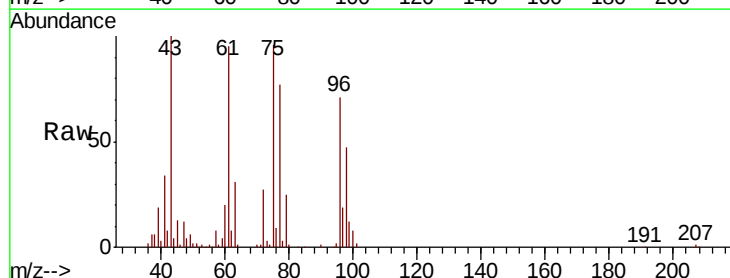
Acq: 04 May 2020 22:59

Tgt Ion: 77 Resp: 99828

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.5



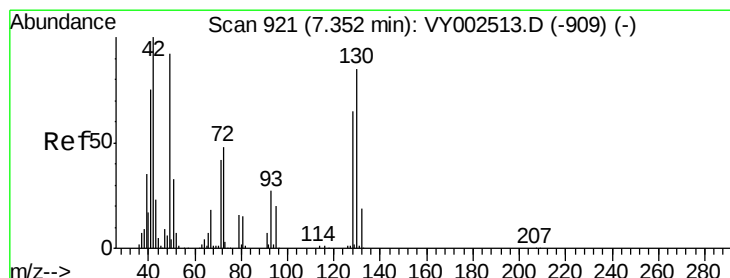
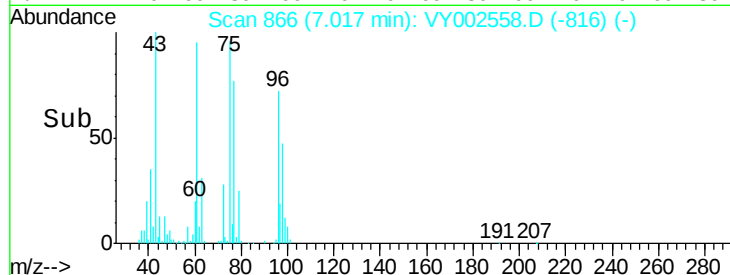
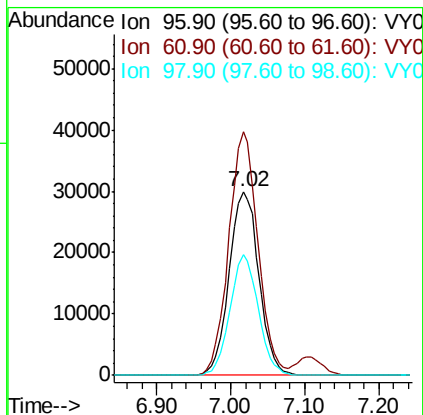
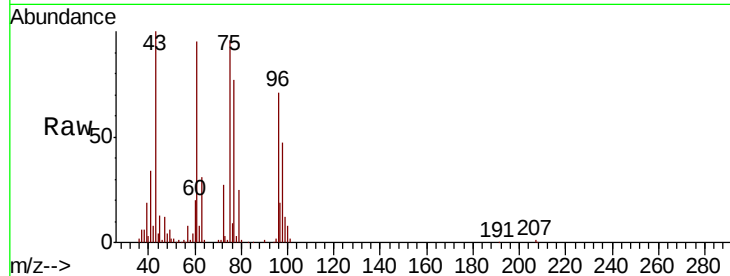


#27

cis-1,2-Dichloroethene
 Concen: 21.157 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

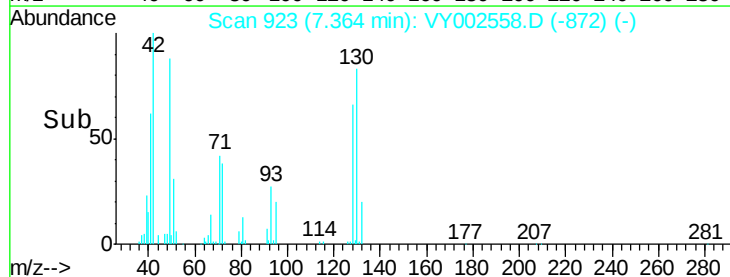
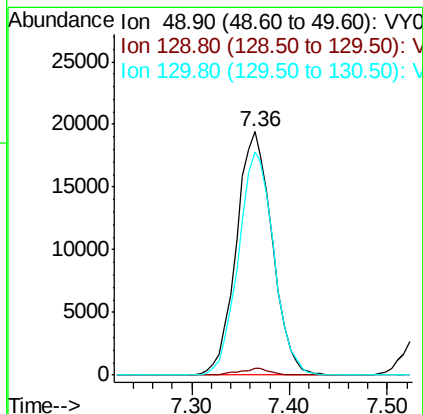
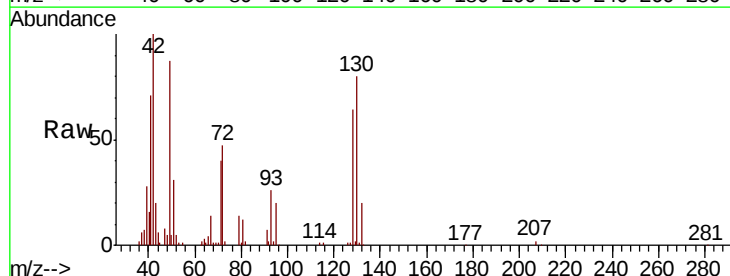
Tot Ion: 96 Resp: 83799
 Ion Ratio Lower Upper
 96 100
 61 130.3 0.0 266.6
 98 62.5 0.0 129.2

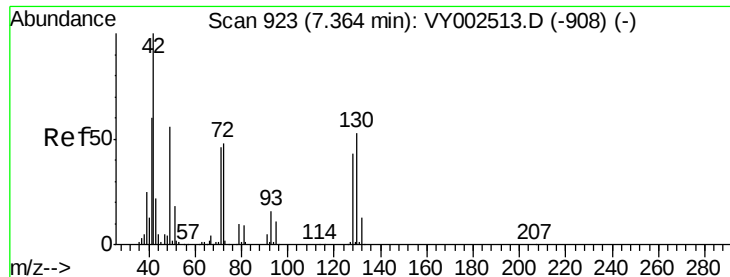


#28

Bromochloromethane
 Concen: 21.072 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion: 49 Resp: 49315
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.8
 130 90.2 72.5 108.7





#29

Tetrahydrofuran

Concen: 107.348 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

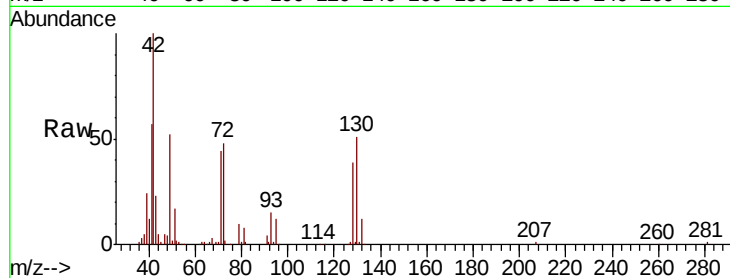
Tot Ion: 42 Resp: 76753

Ion Ratio Lower Upper

42 100

72 45.5 37.4 56.2

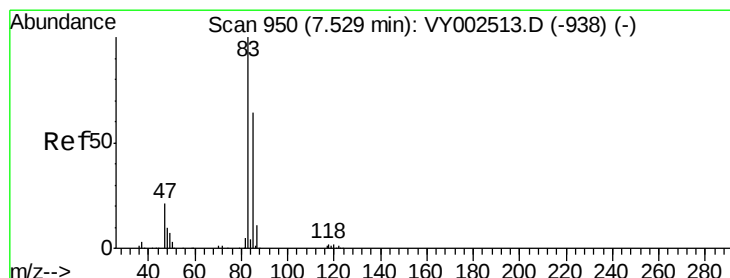
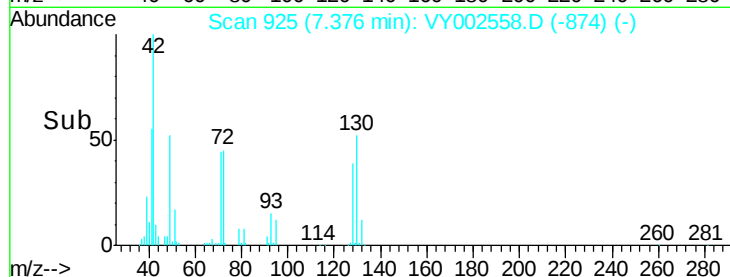
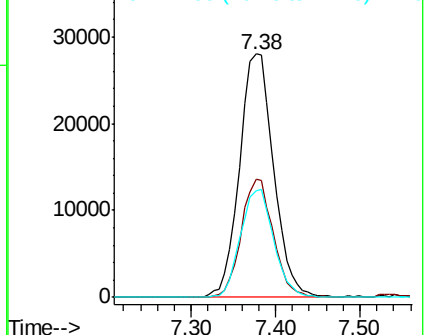
71 43.1 35.0 52.4



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: 21.112 ug/l

RT: 7.53 min Scan# 951

Delta R.T. 0.01 min

Lab File: VY002558.D

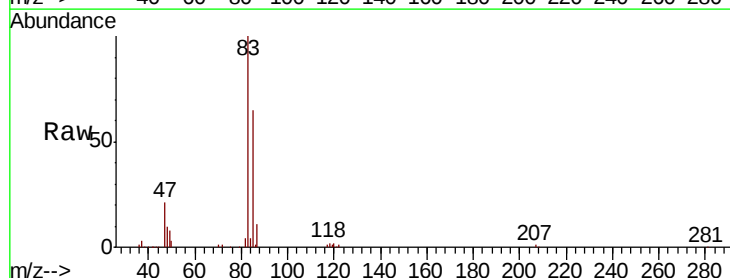
Acq: 04 May 2020 22:59

Tgt Ion: 83 Resp: 125389

Ion Ratio Lower Upper

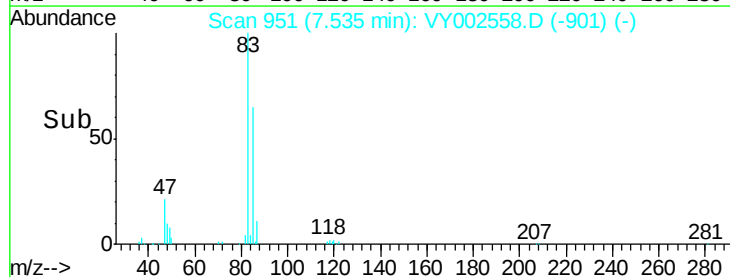
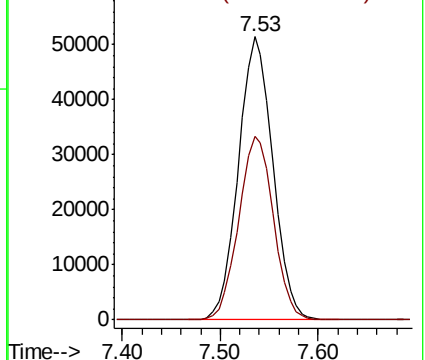
83 100

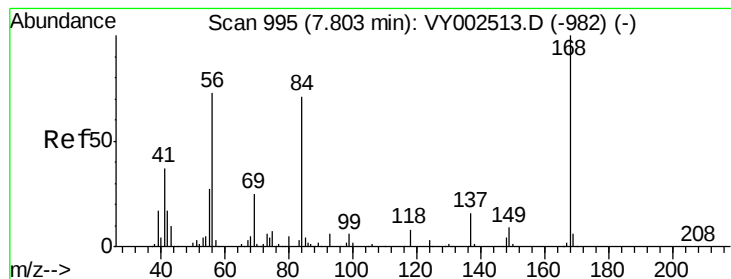
85 65.0 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 18.824 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

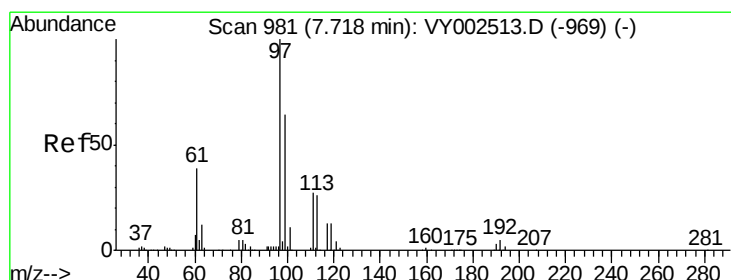
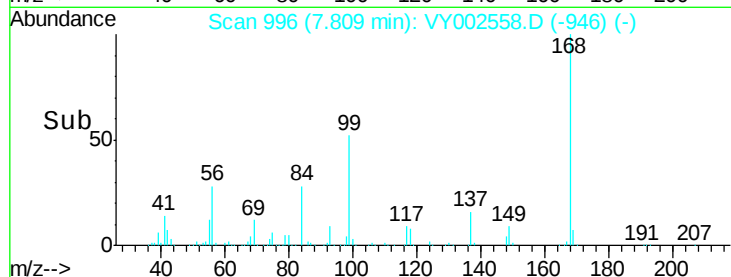
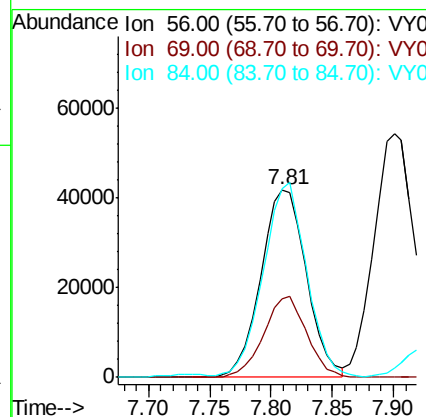
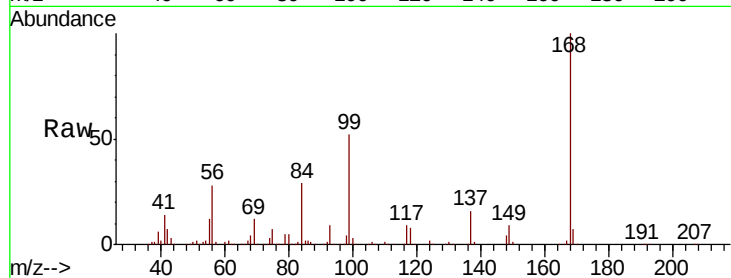
MSVOA_Y

ClientSampleId :

VY0504SBSD02

Tot Ion: 56 Resp: 108233

Ion	Ratio	Lower	Upper
56	100		
69	41.7	27.6	41.4#
84	98.9	77.7	116.5



#32

1,1,1-Trichloroethane

Concen: 20.088 ug/l

RT: 7.73 min Scan# 983

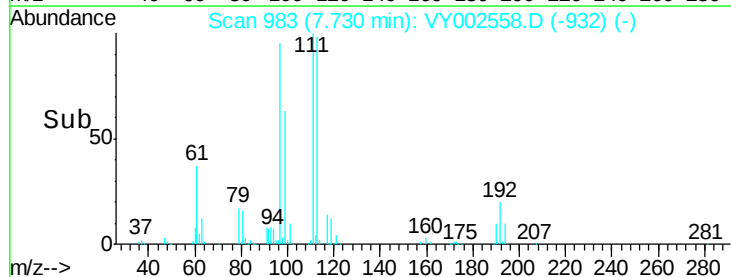
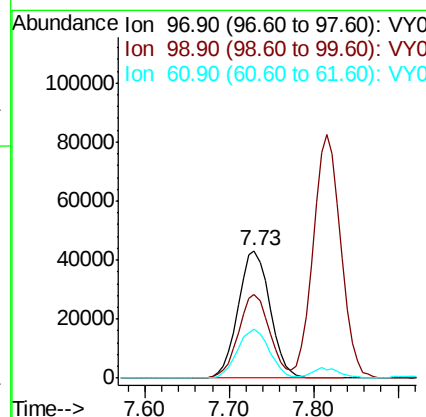
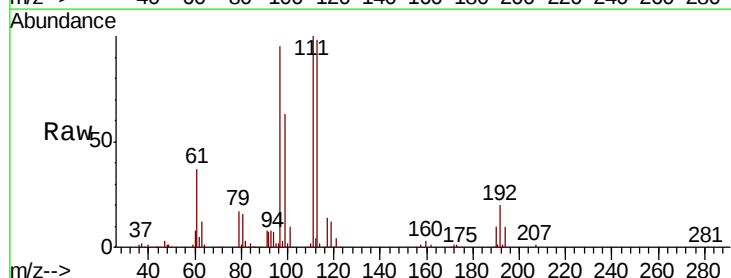
Delta R.T. 0.01 min

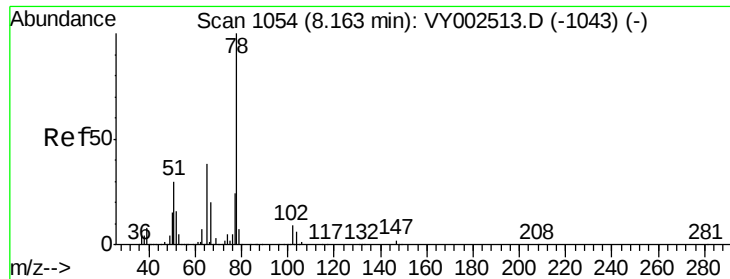
Lab File: VY002558.D

Acq: 04 May 2020 22:59

Tgt Ion: 97 Resp: 110894

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.9	77.9
61	38.3	31.0	46.6

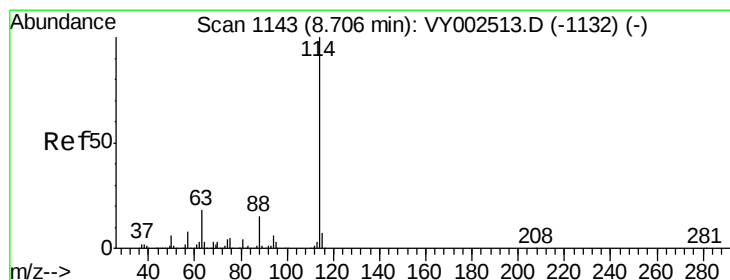
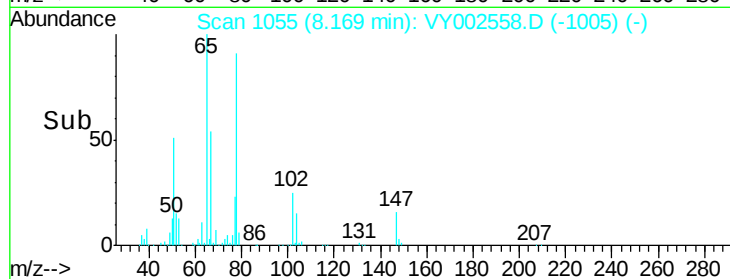
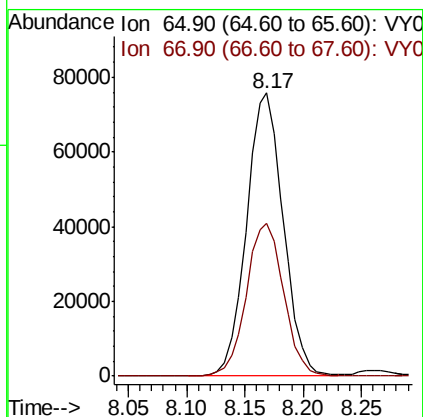
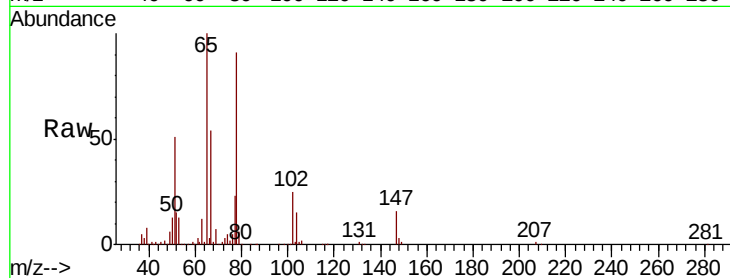




#33
 1,2-Dichloroethane-d4
 Concen: 52.043 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

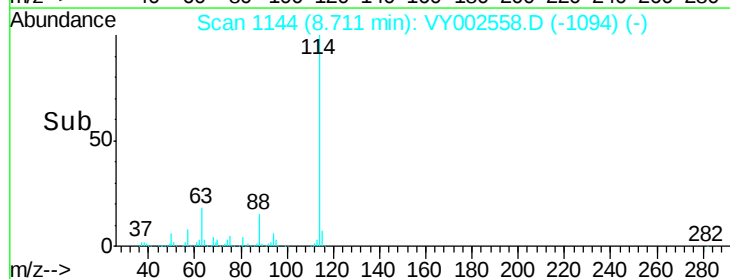
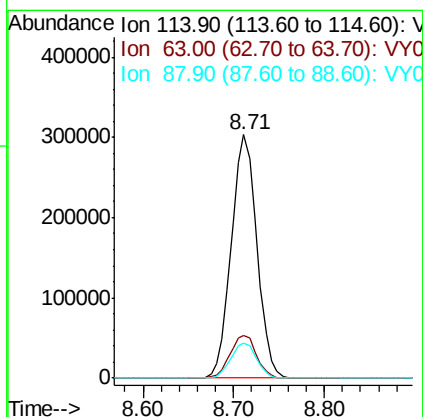
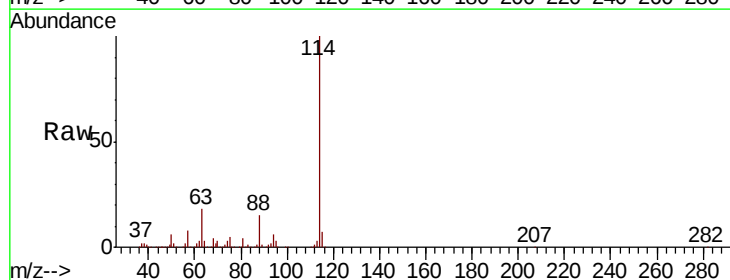
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

Tot Ion: 65 Resp: 166479
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion: 114 Resp: 593701
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.4
 88 14.6 0.0 29.6

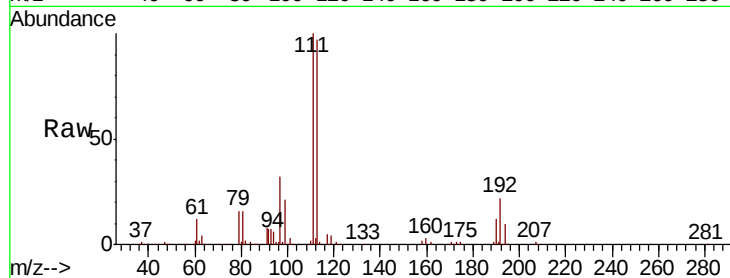




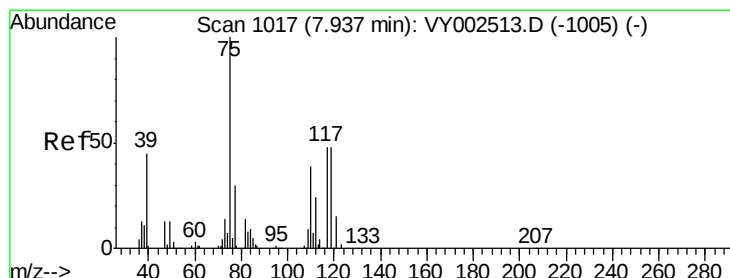
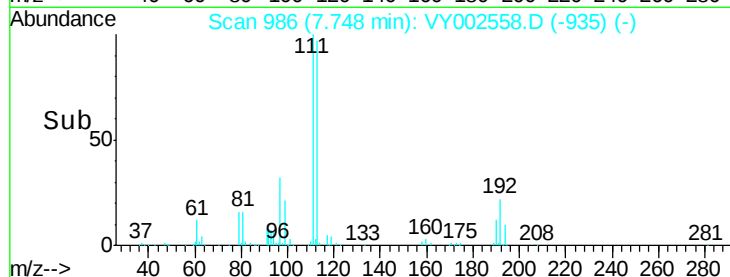
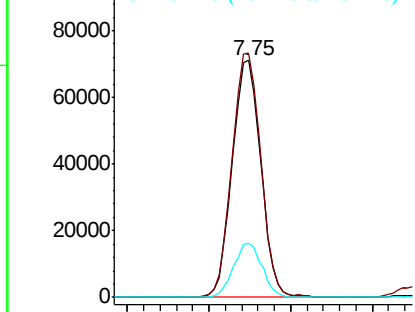
#35
Dibromofluoromethane
Concen: 50.744 ug/l
RT: 7.75 min Scan# 986
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD02

Tot Ion:113 Resp: 172295
Ion Ratio Lower Upper
113 100
111 103.7 81.8 122.6
192 22.8 18.2 27.4

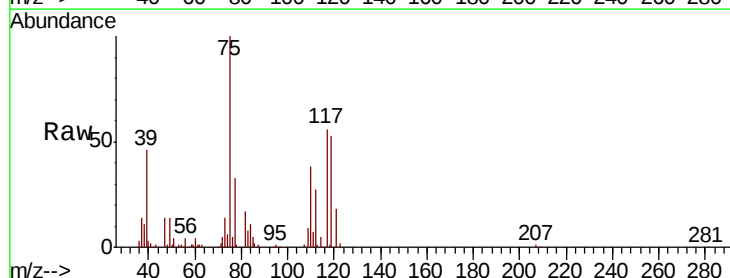


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

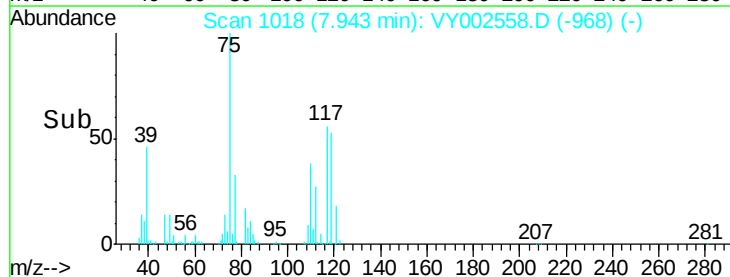
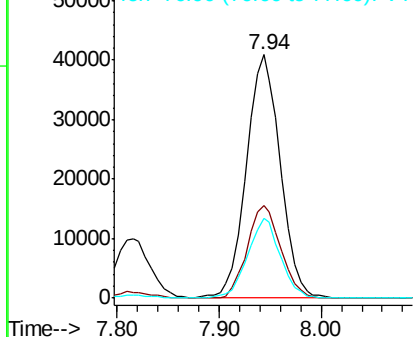


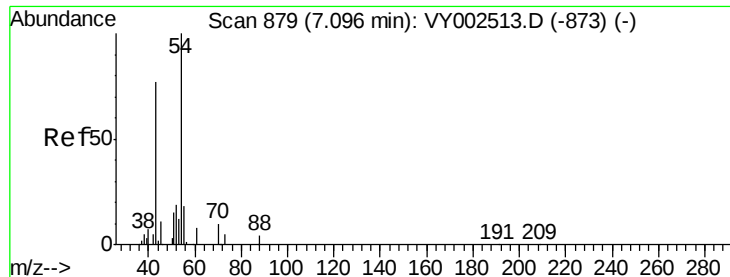
#36
1,1-Dichloropropene
Concen: 18.960 ug/l
RT: 7.94 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion: 75 Resp: 94366
Ion Ratio Lower Upper
75 100
110 37.7 19.1 57.3
77 31.8 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

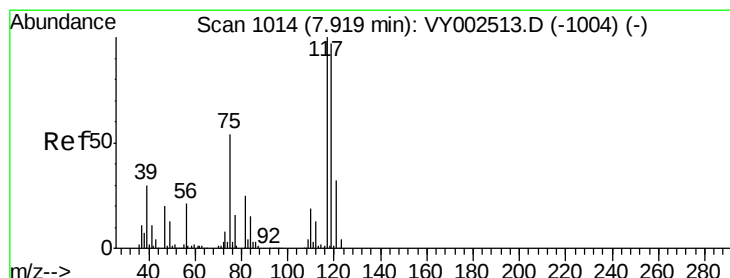
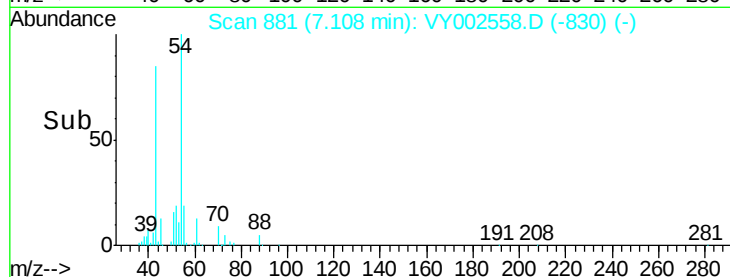
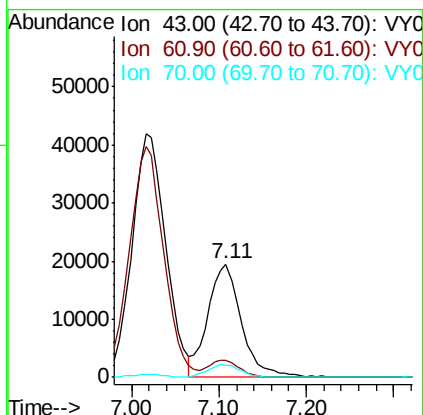
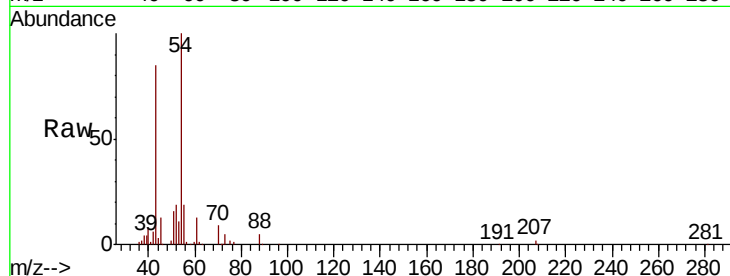




#37
Ethyl Acetate
Concen: 20.036 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

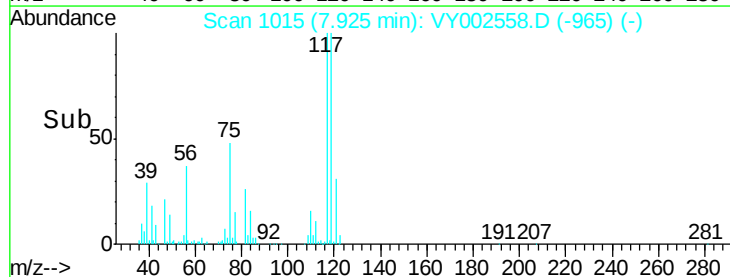
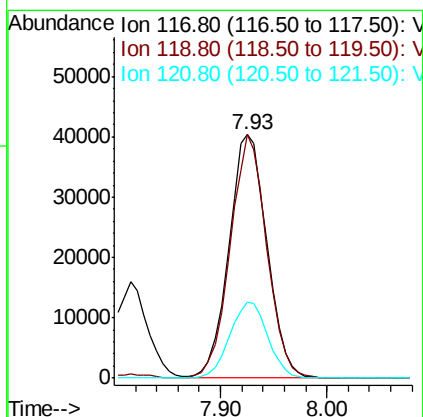
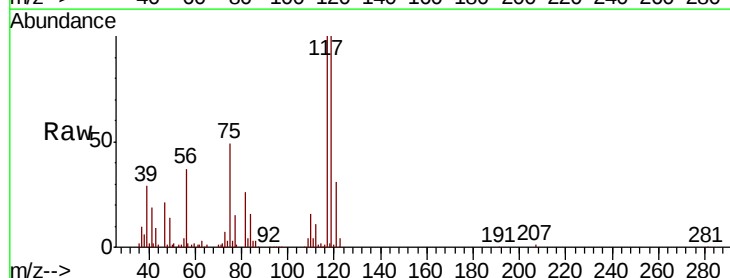
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD02

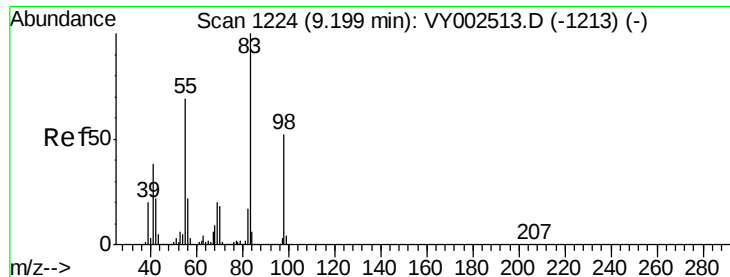
Tot Ion: 43 Resp: 51244
Ion Ratio Lower Upper
43 100
61 14.4 11.6 17.4
70 11.6 9.0 13.6



#38
Carbon Tetrachloride
Concen: 18.568 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion: 117 Resp: 100896
Ion Ratio Lower Upper
117 100
119 100.0 77.1 115.7
121 31.2 25.2 37.8

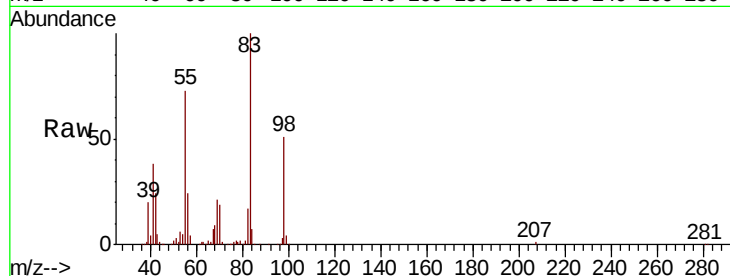




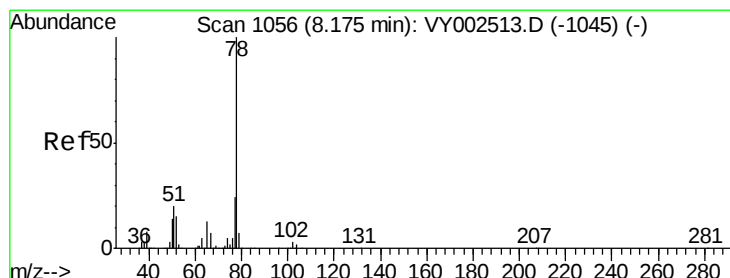
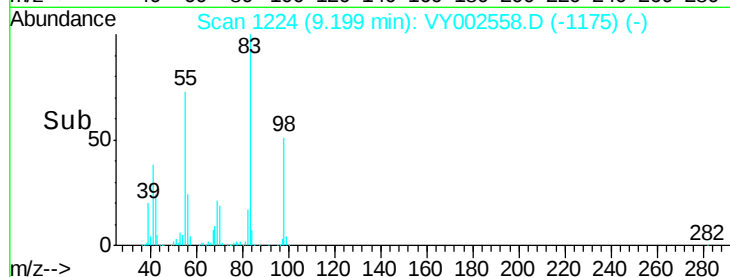
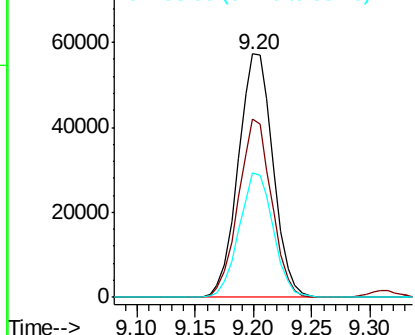
#39
Methvlcvclohexane
Concen: 18.165 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion: 83 Resp: 119412
Ion Ratio Lower Upper
83 100
55 73.1 55.4 83.0
98 51.4 41.3 61.9

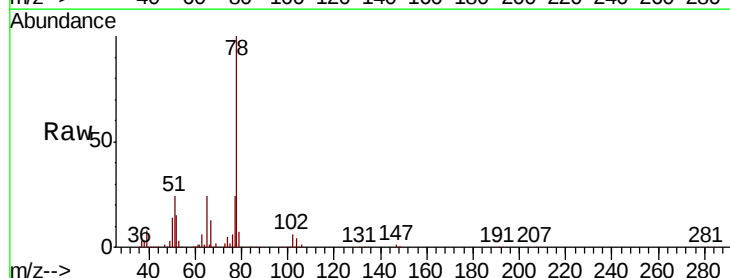


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

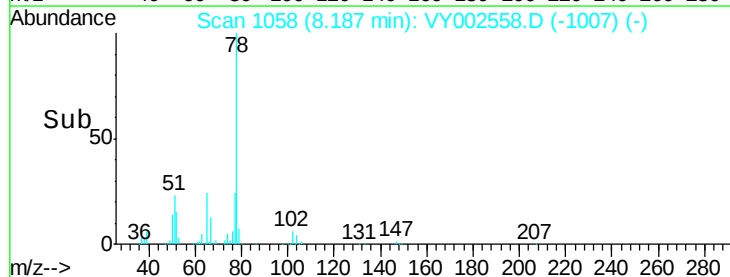
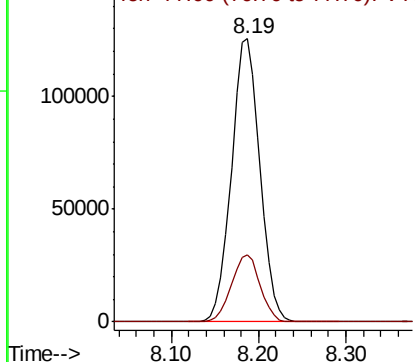


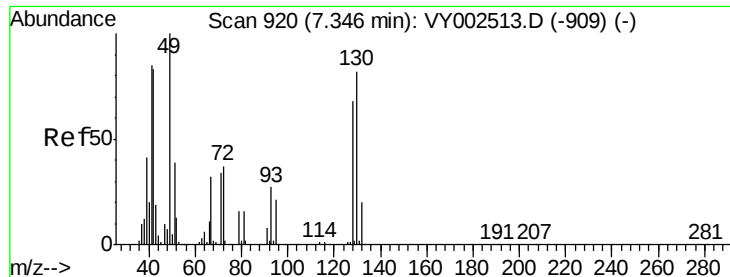
#40
Benzene
Concen: 19.739 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion: 78 Resp: 283750
Ion Ratio Lower Upper
78 100
77 23.6 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0

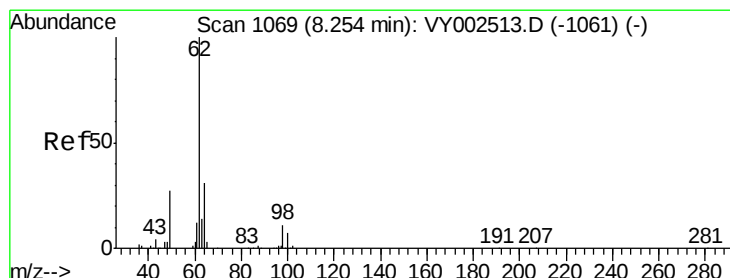
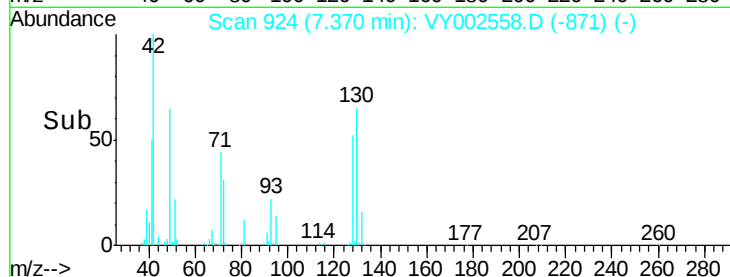
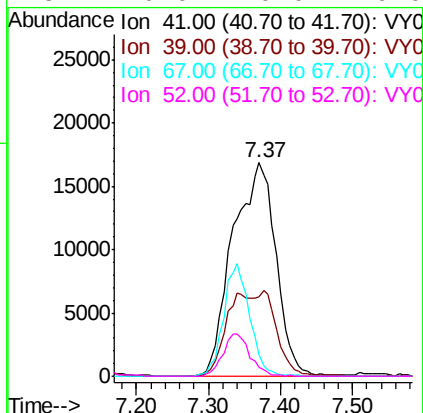
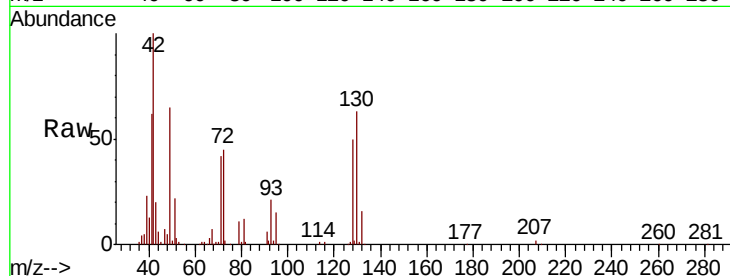




#41
Methacrylonitrile
Concen: 51.165 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.02 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

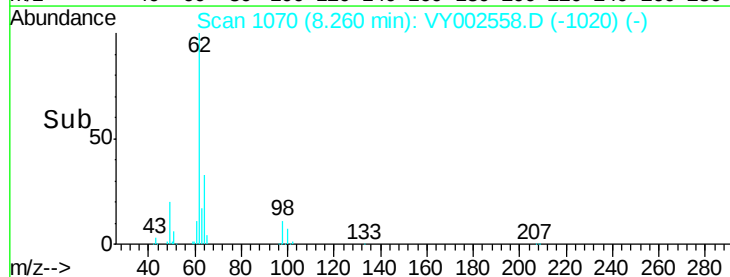
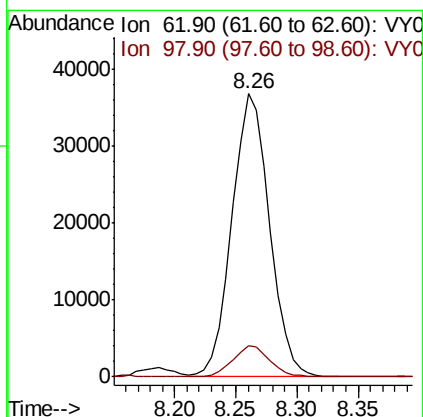
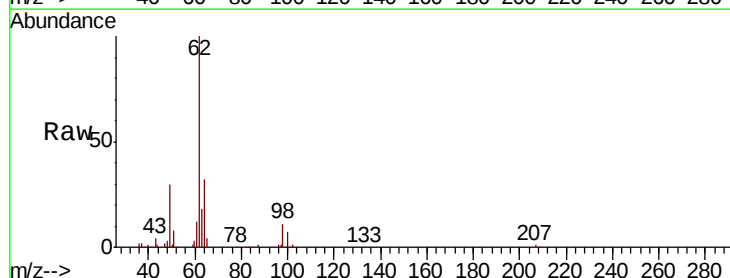
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

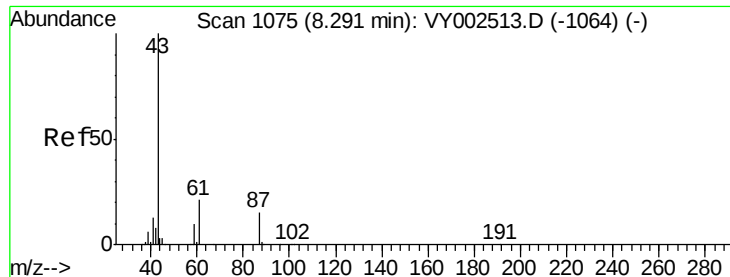
Tot Ion:	41	Resp:	70359
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 19.478 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion:	62	Resp:	78537
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0





#43

Isopropyl Acetate

Concen: 20.234 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

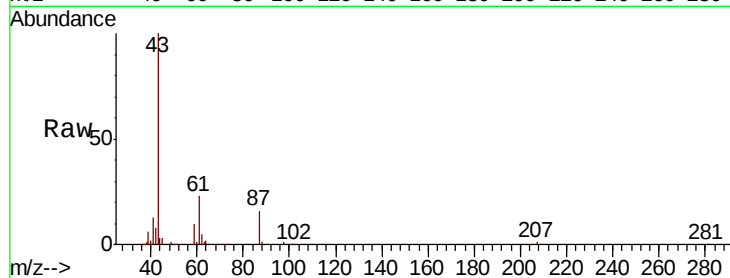
Tot Ion: 43 Resp: 97019

Ion Ratio Lower Upper

43 100

61 30.8 24.8 37.2

87 14.9 12.2 18.2

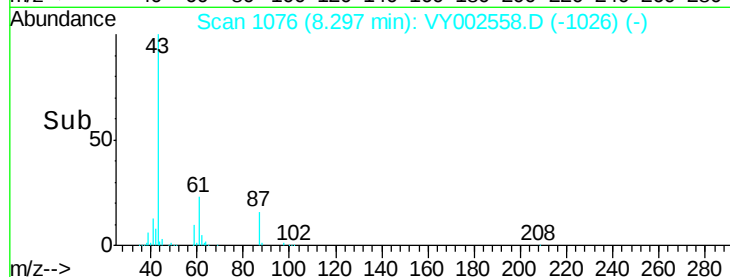


Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-1064) (-)

Ion 61.00 (60.70 to 61.70): VY002513.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY002513.D (-1064) (-)

Time-->

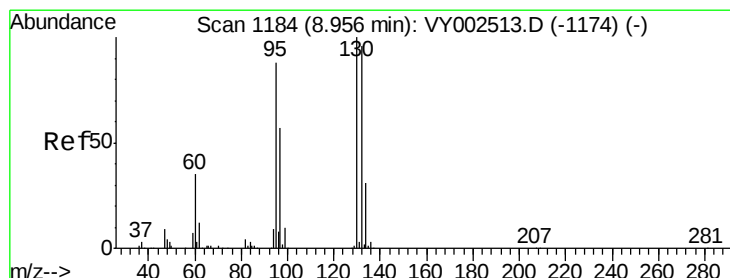


Abundance Ion 43.00 (42.70 to 43.70): VY002558.D (-1026) (-)

Ion 61.00 (60.70 to 61.70): VY002558.D (-1026) (-)

Ion 87.00 (86.70 to 87.70): VY002558.D (-1026) (-)

Time-->



#44

Trichloroethene

Concen: 19.589 ug/l

RT: 8.96 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VY002558.D

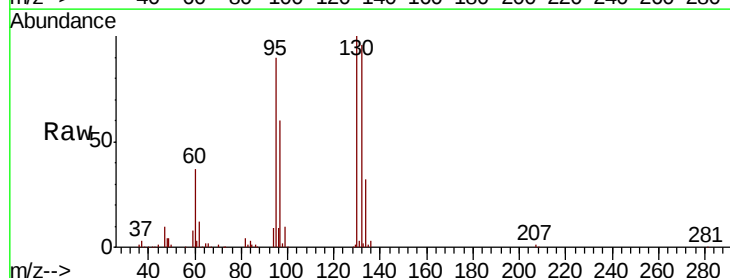
Acq: 04 May 2020 22:59

Tgt Ion: 130 Resp: 87999

Ion Ratio Lower Upper

130 100

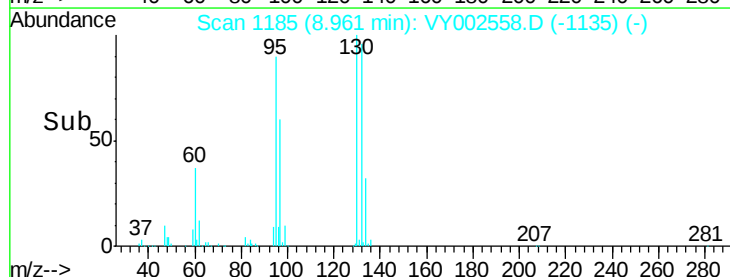
95 90.5 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): VY002513.D (-1174) (-)

Ion 94.90 (94.60 to 95.60): VY002513.D (-1174) (-)

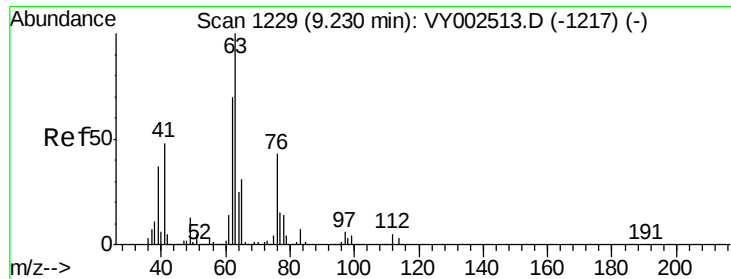
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VY002558.D (-1135) (-)

Ion 94.90 (94.60 to 95.60): VY002558.D (-1135) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 20.305 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

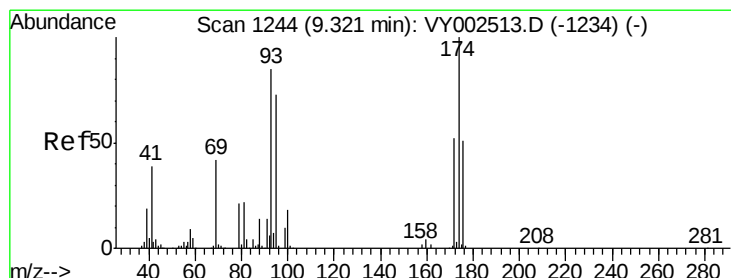
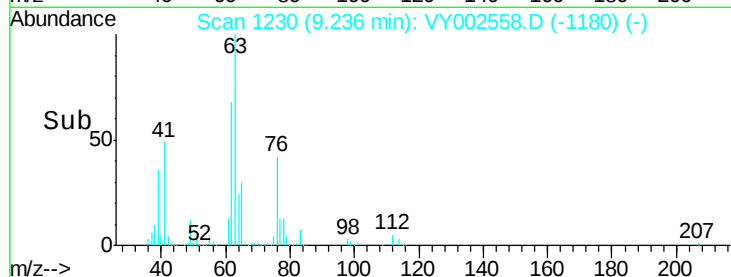
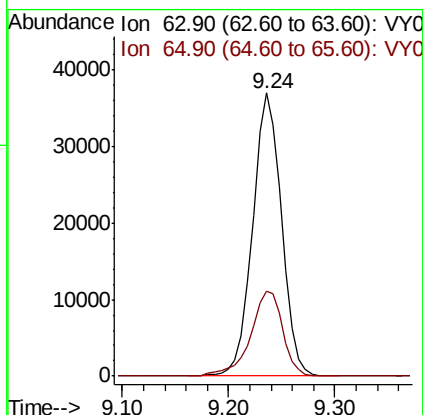
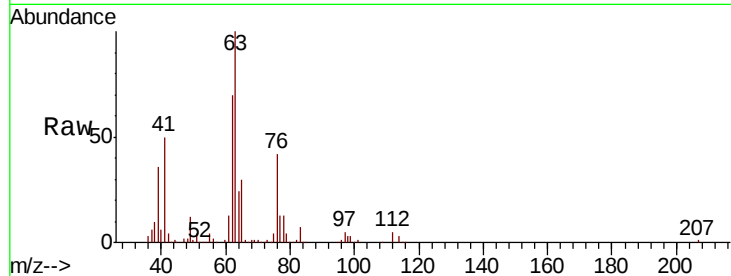
VY0504SBS02

Tot Ion: 63 Resp: 70444

Ion Ratio Lower Upper

63 100

65 30.1 24.5 36.7



#46

Dibromomethane

Concen: 19.880 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

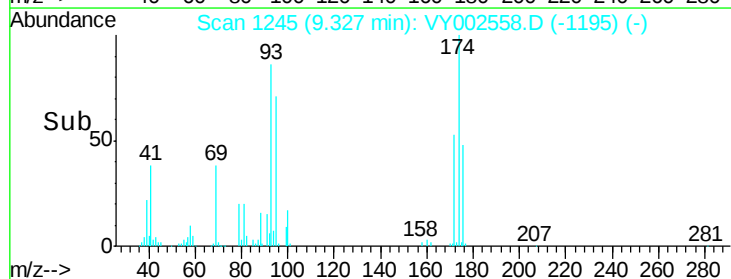
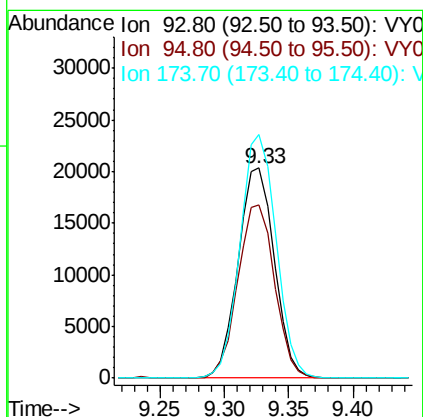
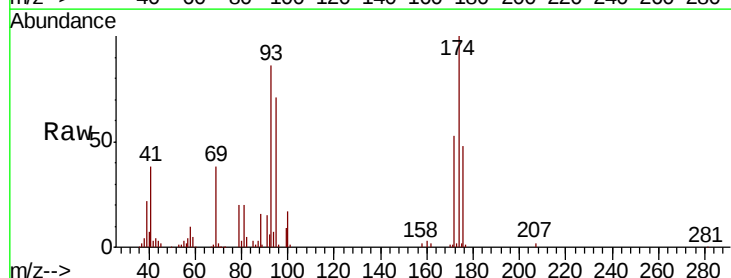
Tgt Ion: 93 Resp: 39683

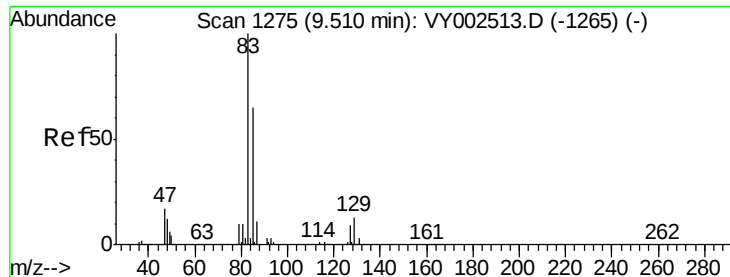
Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.4

174 115.2 92.7 139.1





#47

Bromodichloromethane

Concen: 19.949 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

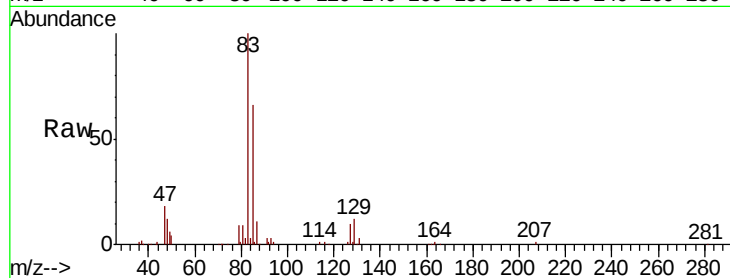
Tot Ion: 83 Resp: 96823

Ion Ratio Lower Upper

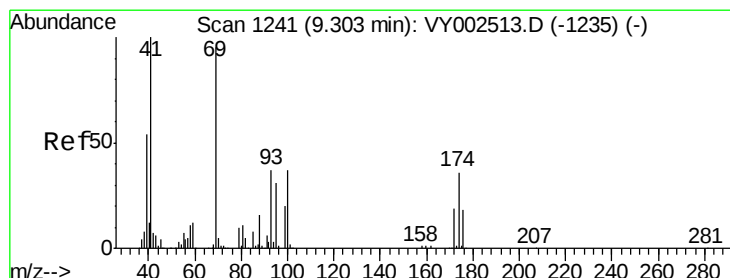
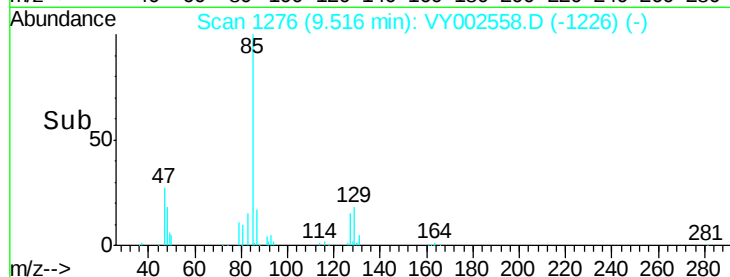
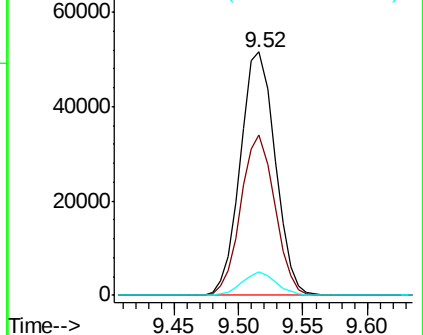
83 100

85 65.8 51.8 77.8

127 9.8 7.4 11.0



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



#48

Methyl methacrylate

Concen: 20.054 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

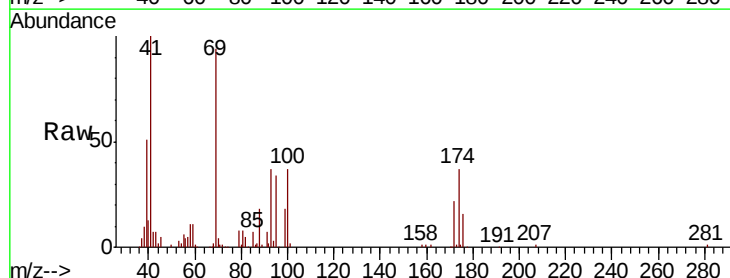
Tgt Ion: 41 Resp: 43516

Ion Ratio Lower Upper

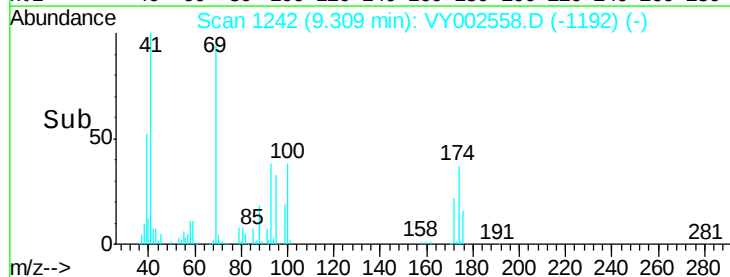
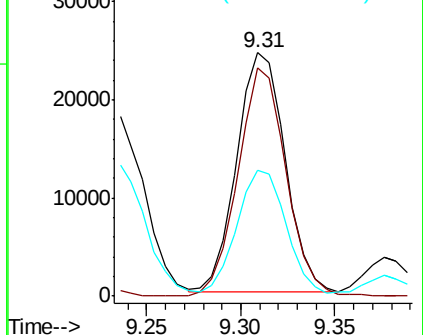
41 100

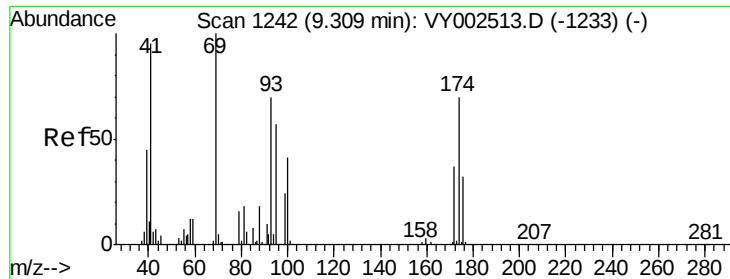
69 95.1 76.2 114.4

39 54.3 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

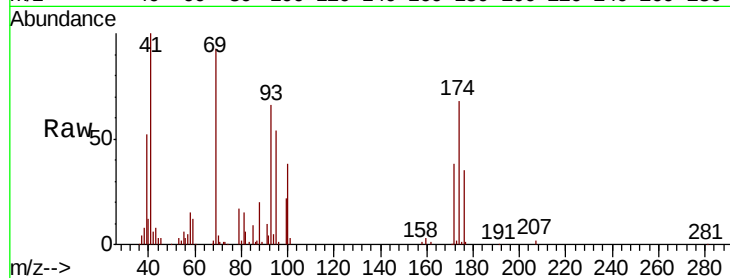




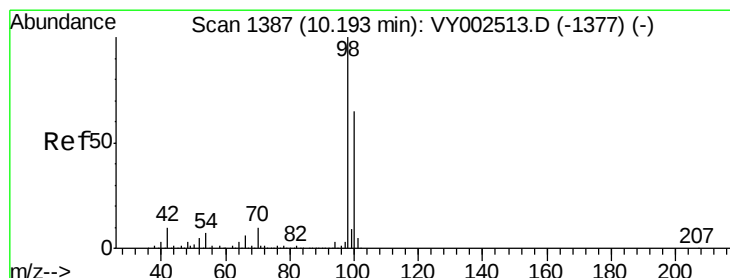
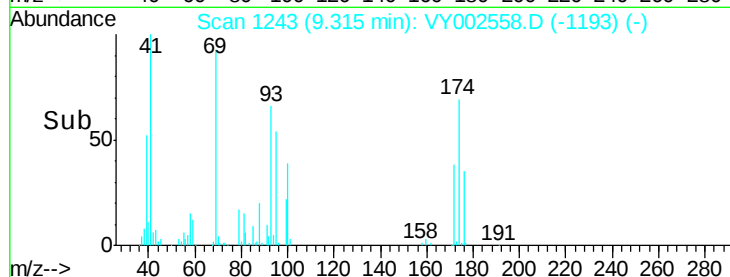
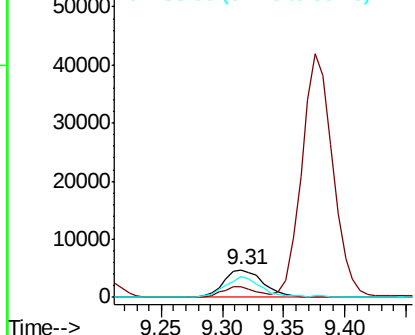
#49
1,4-Dioxane
Concen: 403.385 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD02

Tot Ion: 88 Resp: 10661
Ion Ratio Lower Upper
88 100
43 29.5 22.8 34.2
58 67.6 51.4 77.2

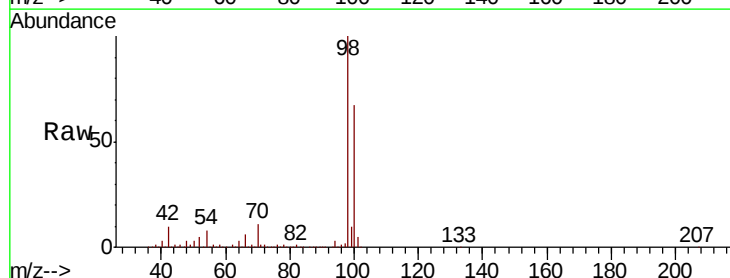


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

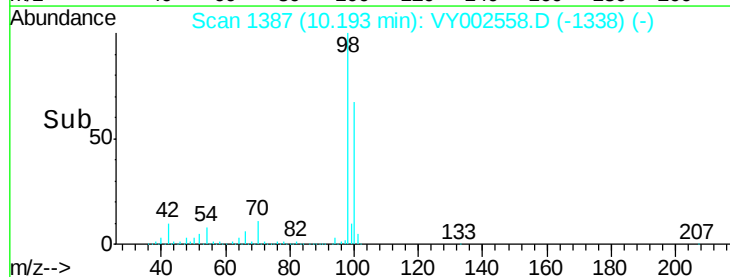
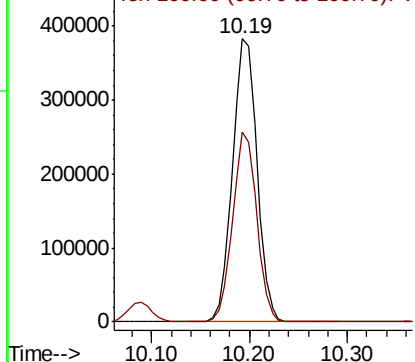


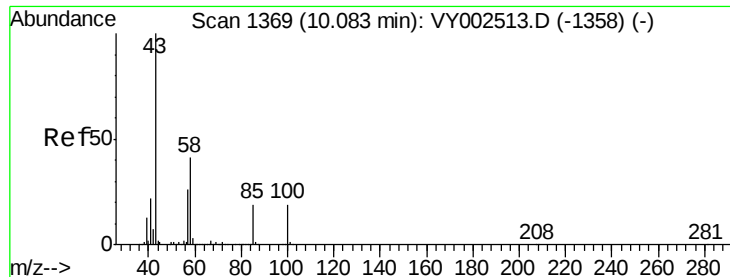
#50
Toluene-d8
Concen: 50.238 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion: 98 Resp: 666125
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: 102.742 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

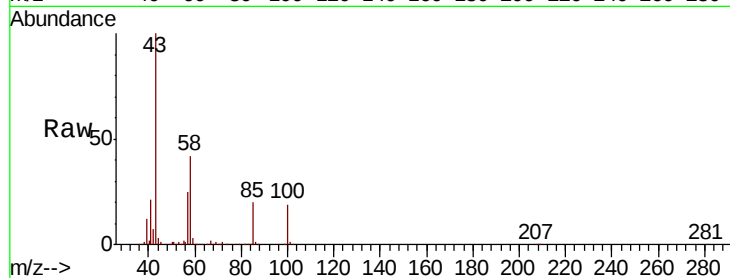
VY0504SBS02

Tot Ion: 43 Resp: 253917

Ion Ratio Lower Upper

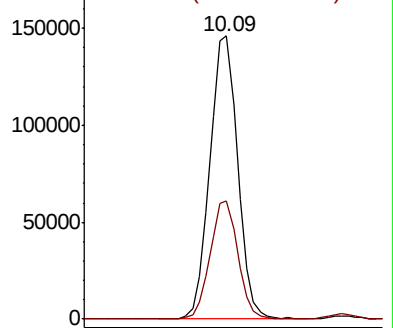
43 100

58 41.4 33.2 49.8

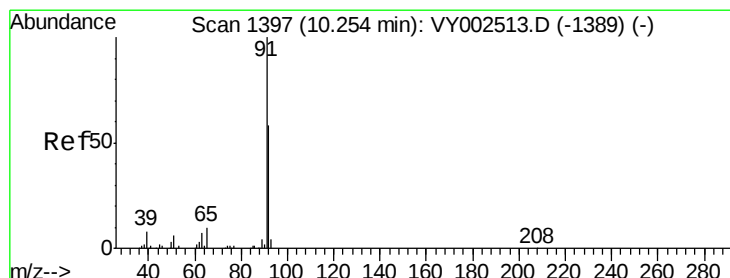
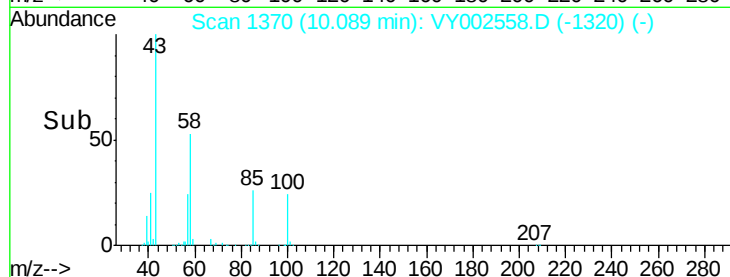


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#52

Toluene

Concen: 19.512 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY002558.D

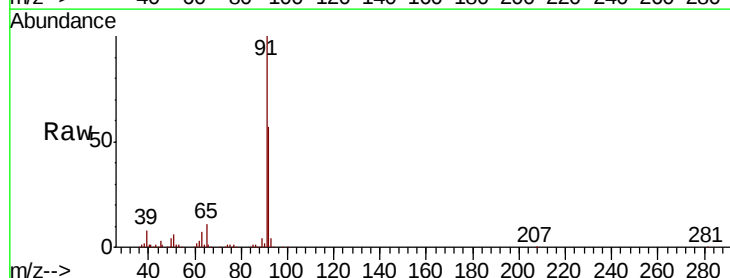
Acq: 04 May 2020 22:59

Tgt Ion: 92 Resp: 180254

Ion Ratio Lower Upper

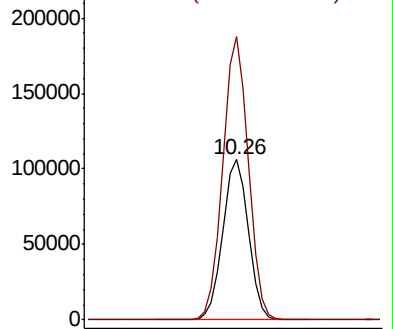
92 100

91 175.2 139.3 208.9

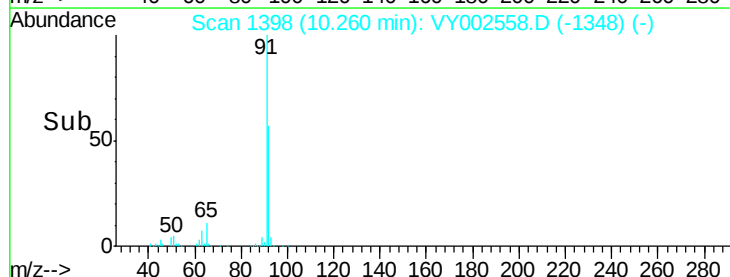


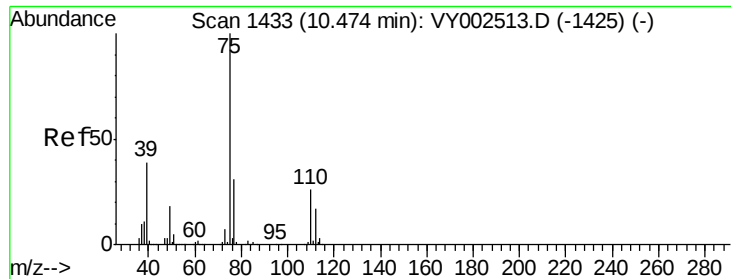
Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0



Time-->





#53

t-1,3-Dichloropropene

Concen: 19.304 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

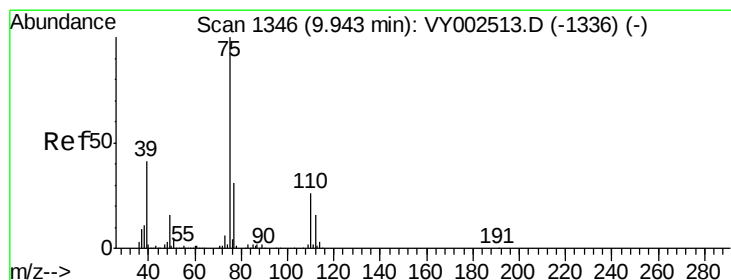
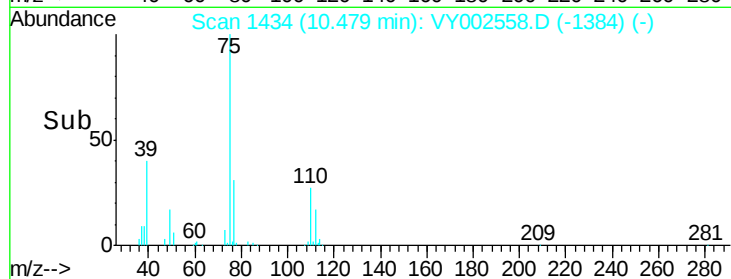
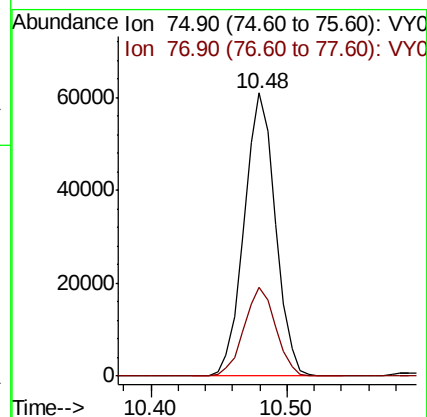
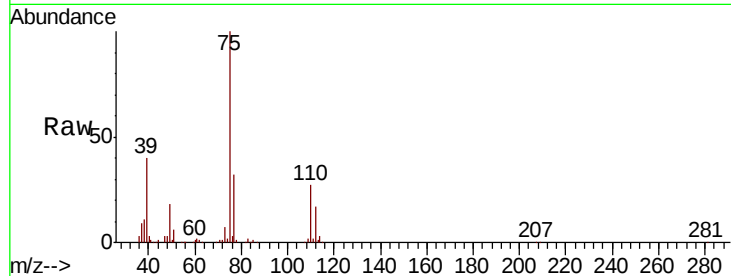
VY0504SBS02

Tot Ion: 75 Resp: 98168

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 19.601 ug/l

RT: 9.95 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

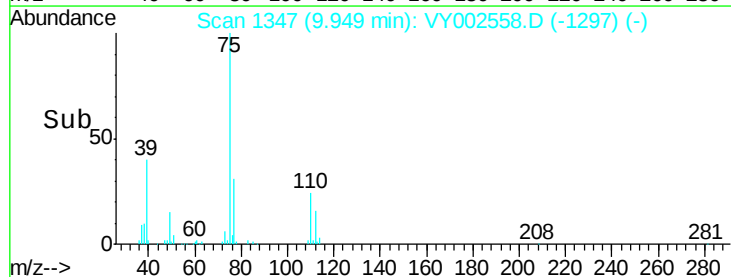
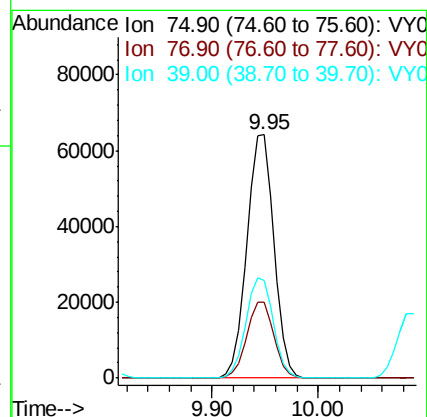
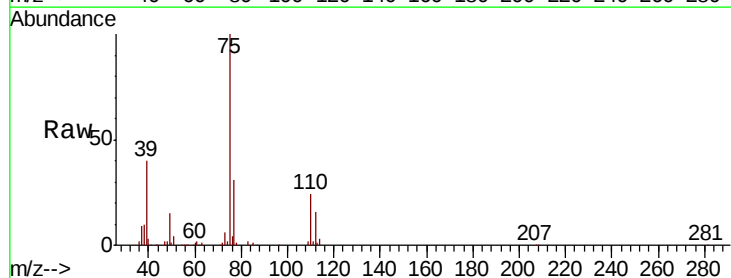
Tgt Ion: 75 Resp: 115233

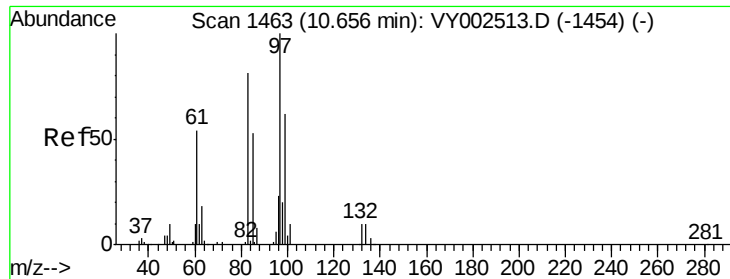
Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7

39 40.0 32.7 49.1

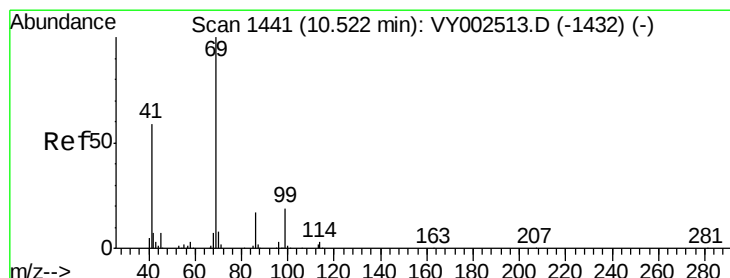
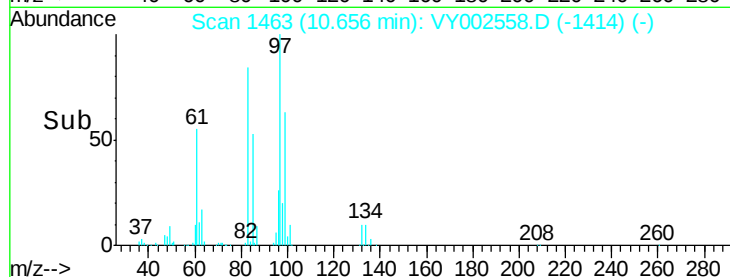
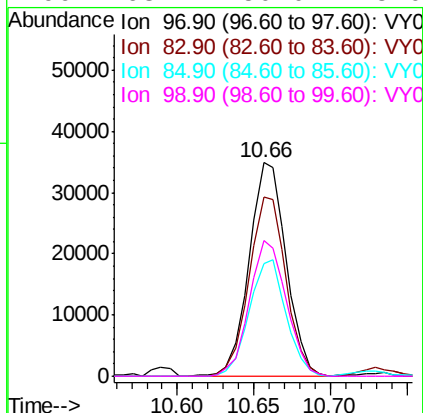
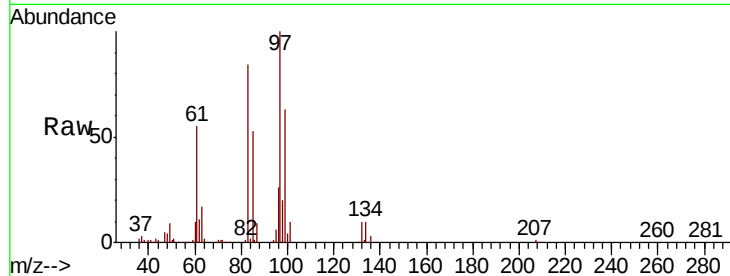




#55
 1,1,2-Trichloroethane
 Concen: 20.183 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

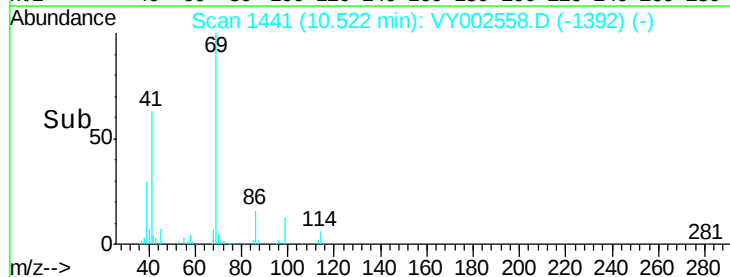
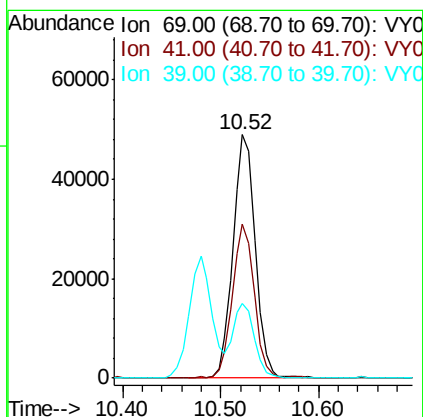
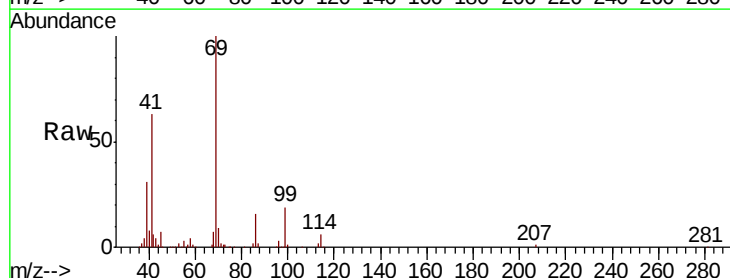
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

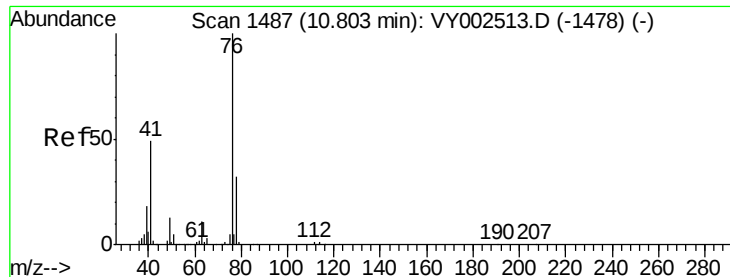
Tot Ion:	97	Resp:	58749
Ion	Ratio	Lower	Upper
97	100		
83	83.7	65.1	97.7
85	53.0	42.7	64.1
99	63.4	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 19.995 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion:	69	Resp:	77426
Ion	Ratio	Lower	Upper
69	100		
41	62.1	48.6	73.0
39	29.4	25.0	37.4





#57

1,3-Dichloropropane

Concen: 20.384 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

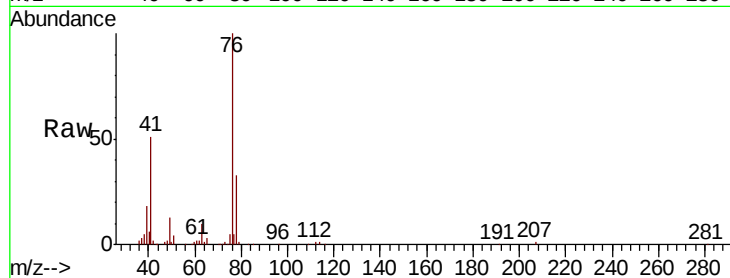
VY0504SBS02

Tot Ion: 76 Resp: 100622

Ion Ratio Lower Upper

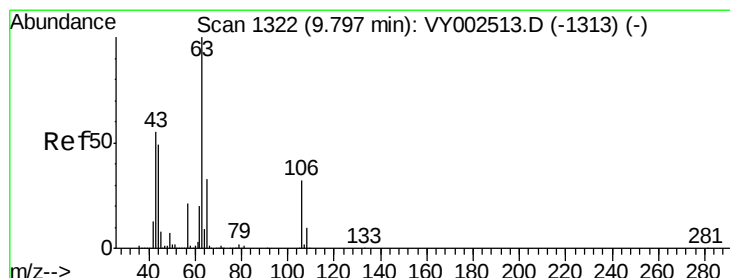
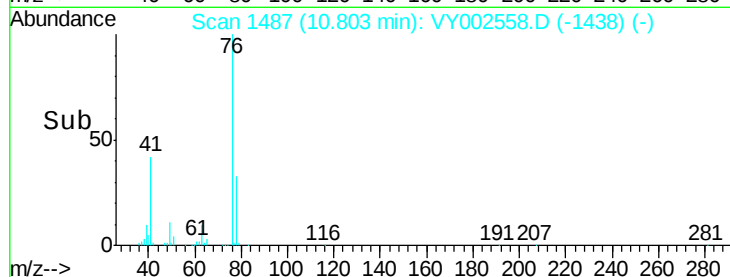
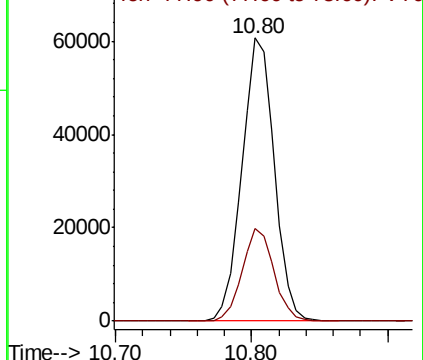
76 100

78 31.9 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 100.619 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VY002558.D

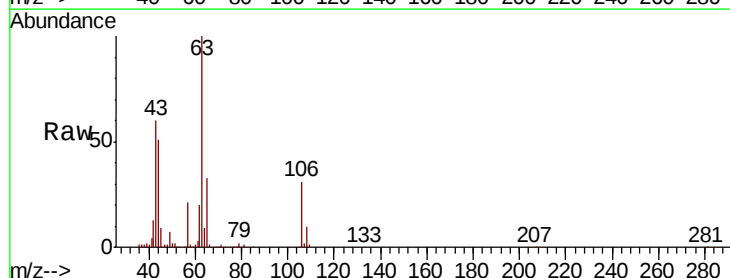
Acq: 04 May 2020 22:59

Tgt Ion: 63 Resp: 205473

Ion Ratio Lower Upper

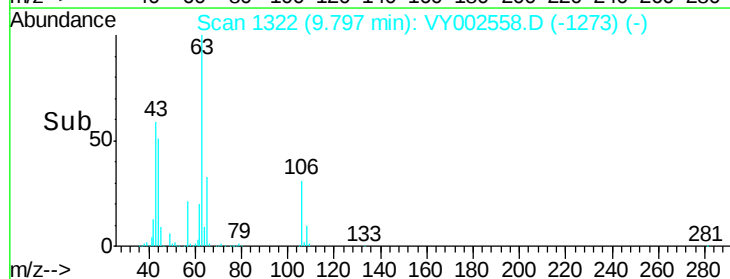
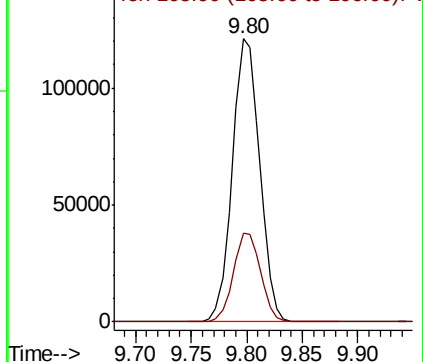
63 100

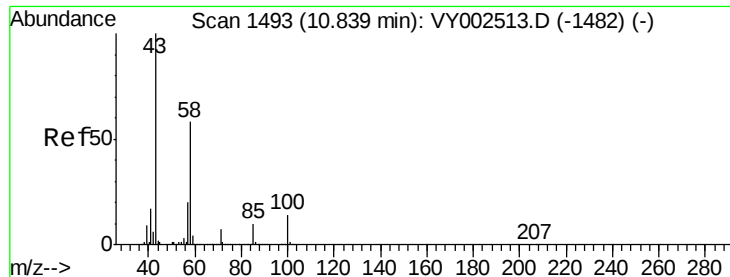
106 31.2 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 101.245 ug/l

RT: 10.85 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

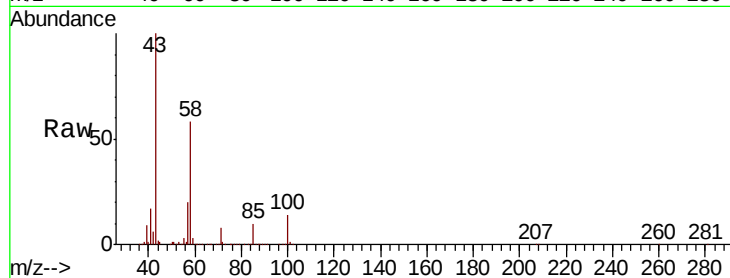
VY0504SBSD02

Tot Ion: 43 Resp: 172217

Ion Ratio Lower Upper

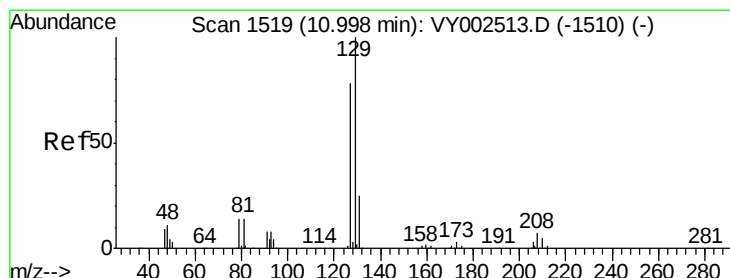
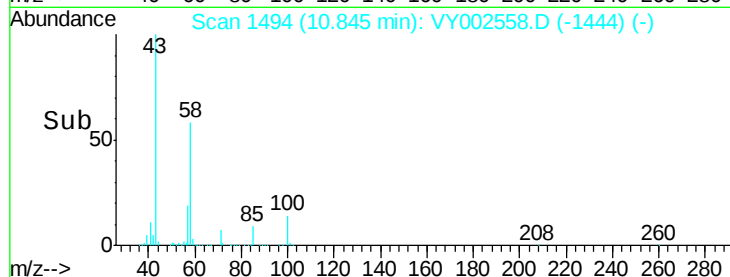
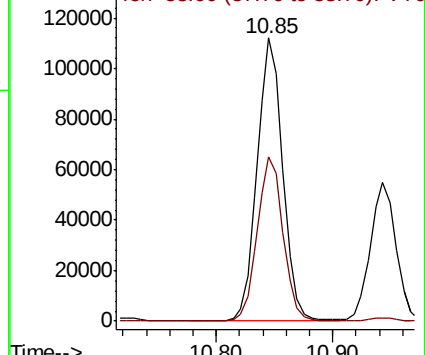
43 100

58 58.4 29.1 87.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#60

Dibromochloromethane

Concen: 20.008 ug/l

RT: 11.00 min Scan# 1519

Delta R.T. -0.00 min

Lab File: VY002558.D

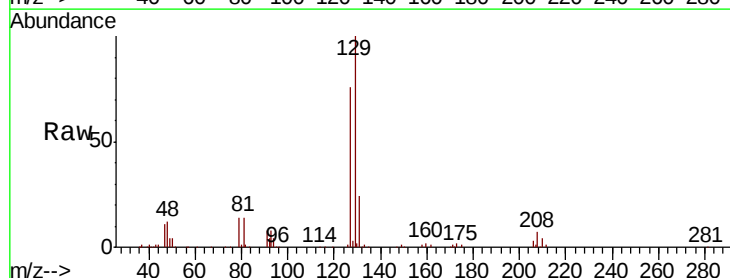
Acq: 04 May 2020 22:59

Tgt Ion: 129 Resp: 74074

Ion Ratio Lower Upper

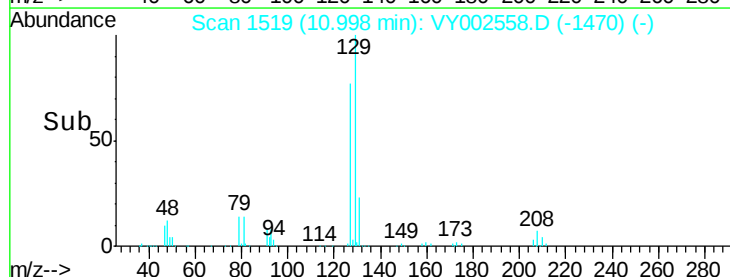
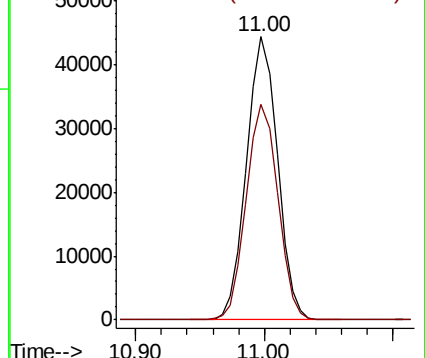
129 100

127 77.6 39.0 117.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

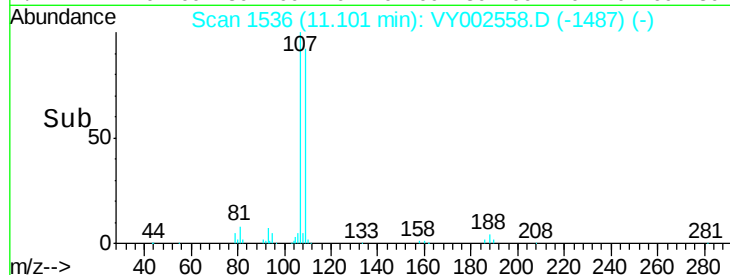
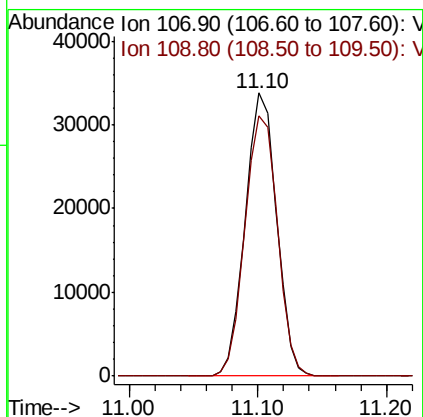
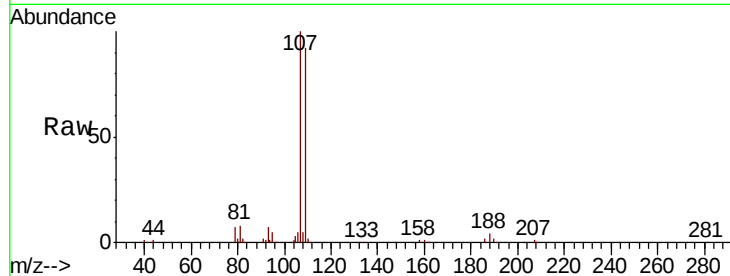




#61
1,2-Dibromoethane
Concen: 19.738 ug/l
RT: 11.10 min Scan# 1536
Delta R.T. -0.00 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

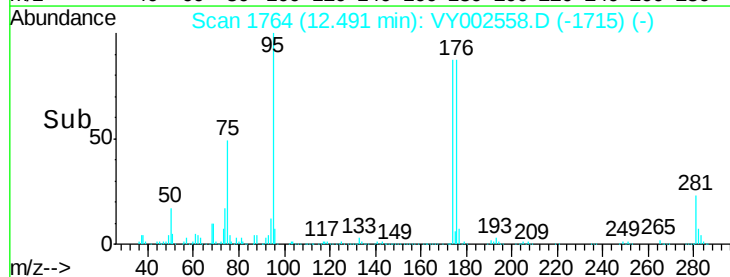
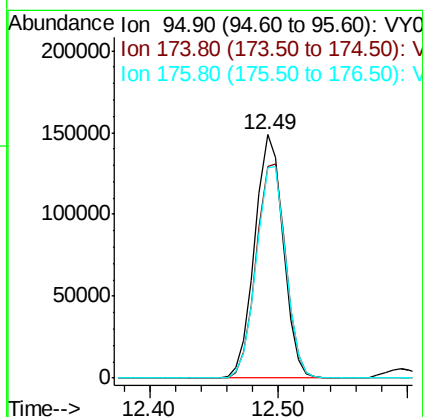
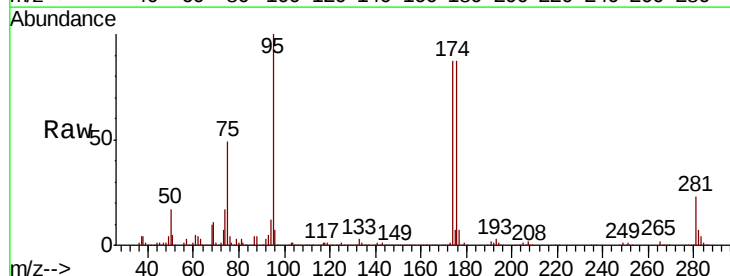
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion:107 Resp: 56889
Ion Ratio Lower Upper
107 100
109 95.3 75.8 113.8



#62
4-Bromofluorobenzene
Concen: 50.435 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion: 95 Resp: 226922
Ion Ratio Lower Upper
95 100
174 91.6 0.0 188.8
176 90.0 0.0 183.2

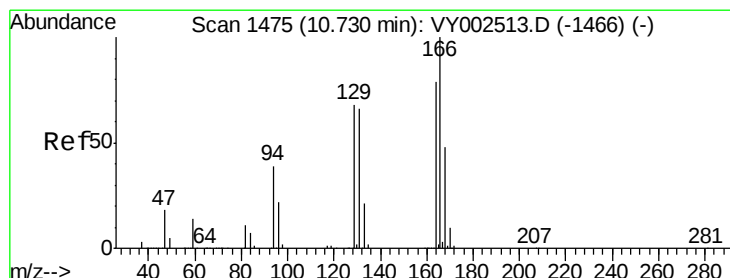
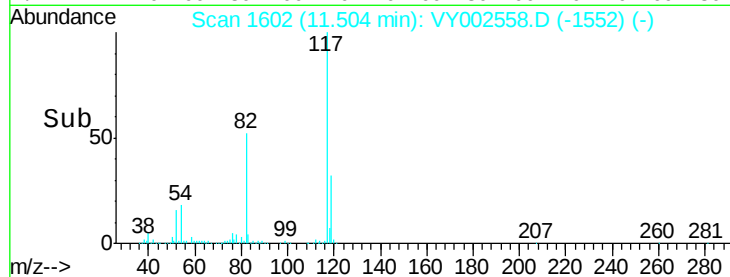
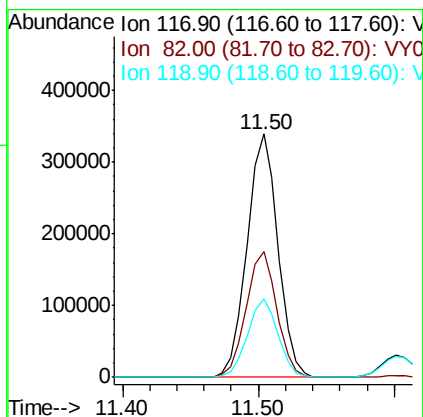
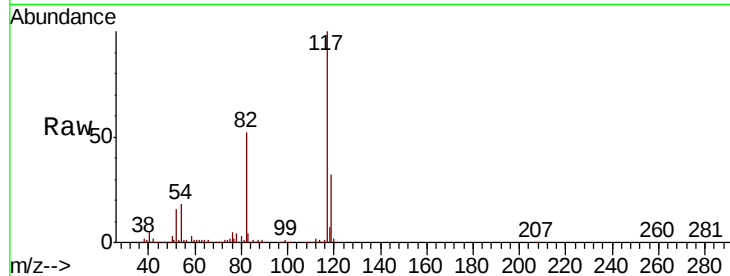




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

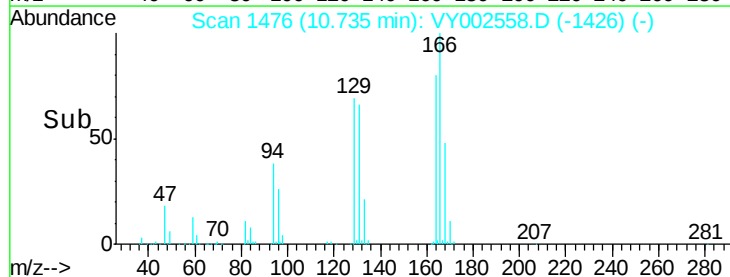
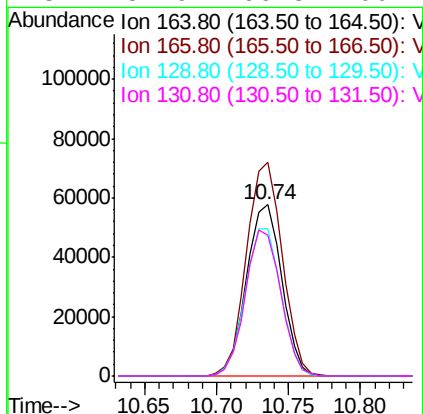
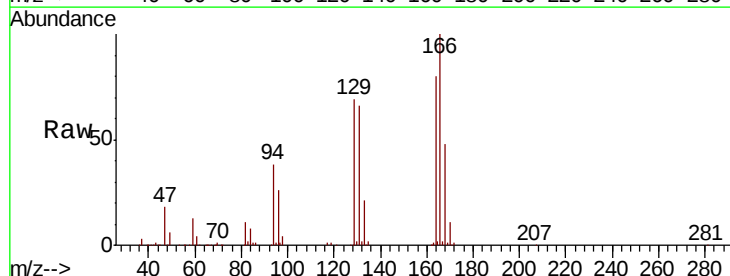
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD02

Tot Ion:117 Resp: 539520
Ion Ratio Lower Upper
117 100
82 51.7 41.3 61.9
119 32.0 26.0 39.0



#64
Tetrachloroethene
Concen: 20.490 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion:164 Resp: 98220
Ion Ratio Lower Upper
164 100
166 124.7 100.7 151.1
129 85.6 68.3 102.5
131 81.9 66.8 100.2

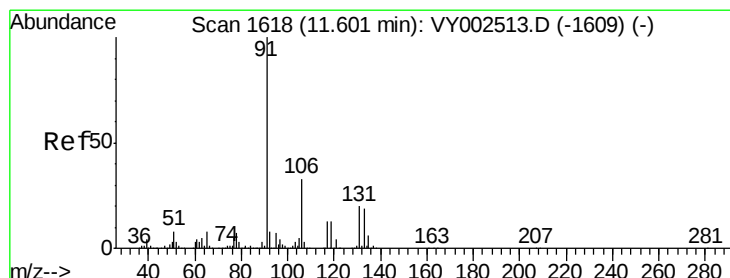
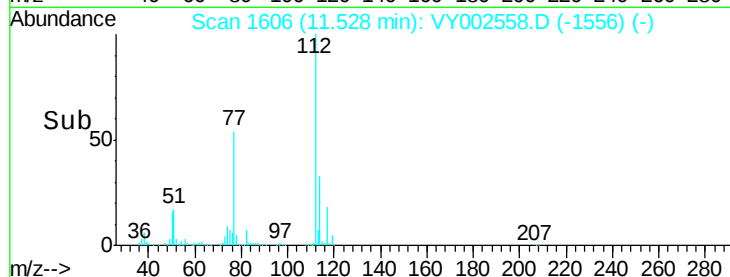
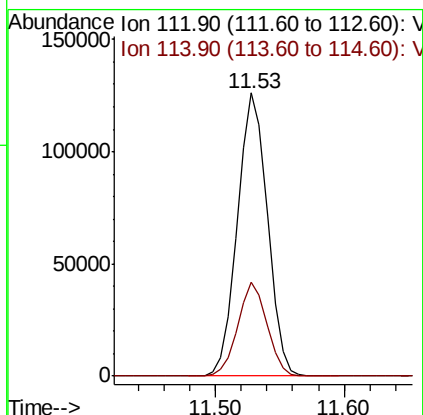
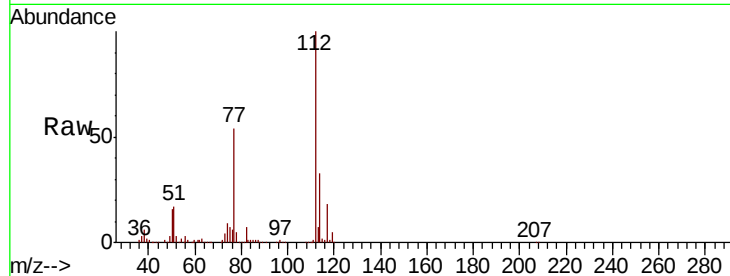




#65
Chlorobenzene
Concen: 19.803 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

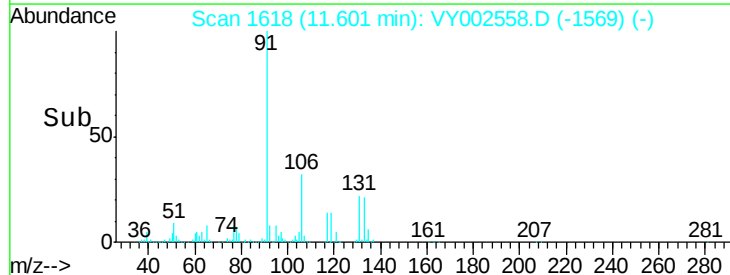
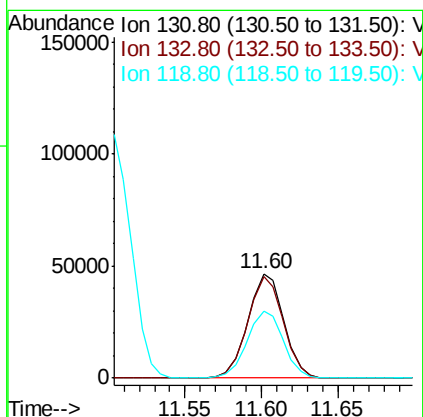
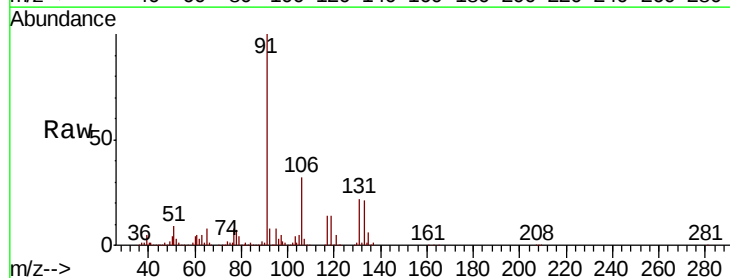
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD02

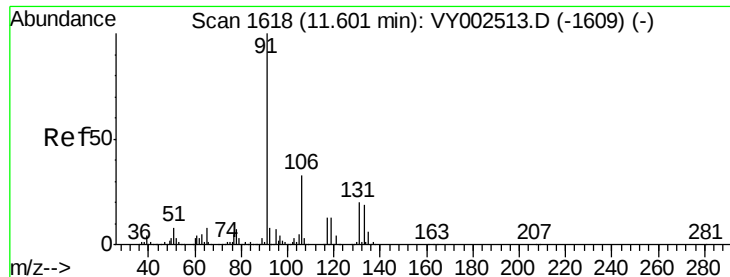
Tot Ion:112 Resp: 203101
Ion Ratio Lower Upper
112 100
114 33.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.928 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion:131 Resp: 75870
Ion Ratio Lower Upper
131 100
133 97.1 48.1 144.4
119 65.3 31.6 95.0

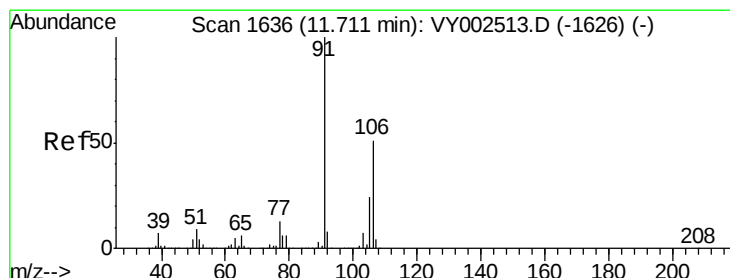
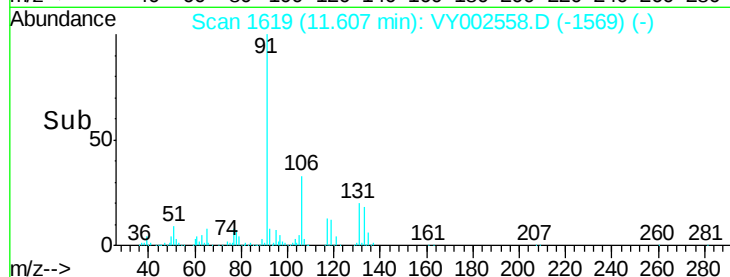
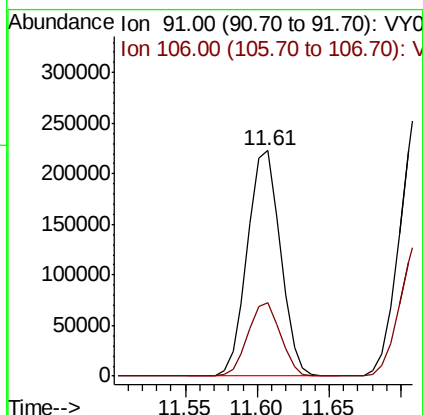
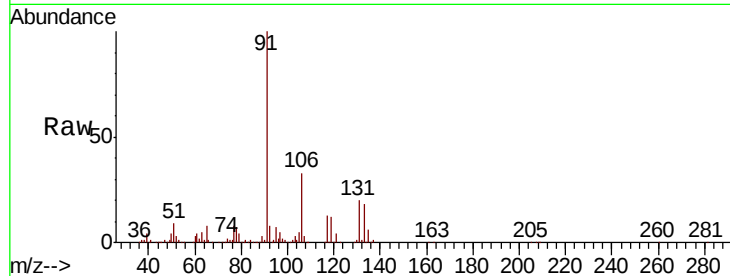




#67
Ethyl Benzene
Concen: 19.638 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

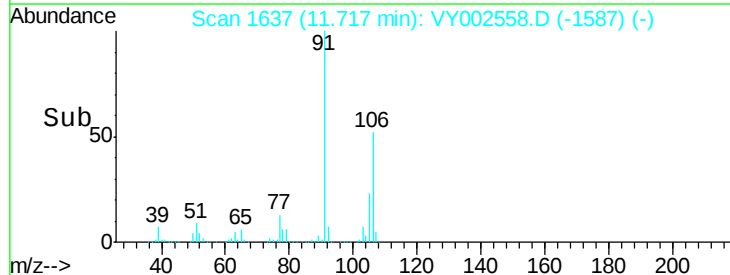
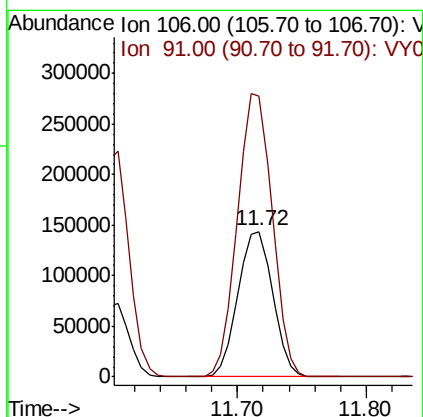
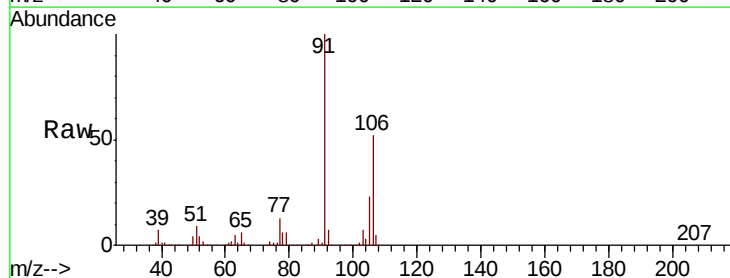
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD02

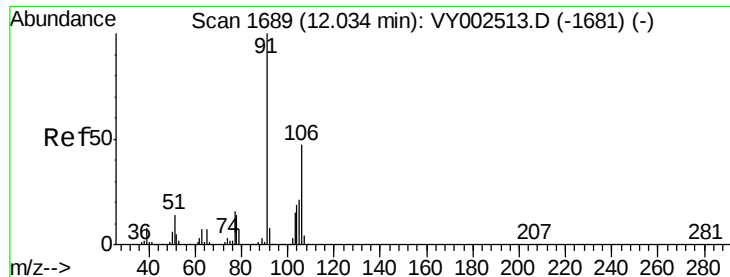
Tot Ion: 91 Resp: 353787
Ion Ratio Lower Upper
91 100
106 32.6 26.1 39.1



#68
m/p-Xylenes
Concen: 38.694 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion: 106 Resp: 269729
Ion Ratio Lower Upper
106 100
91 195.1 155.2 232.8

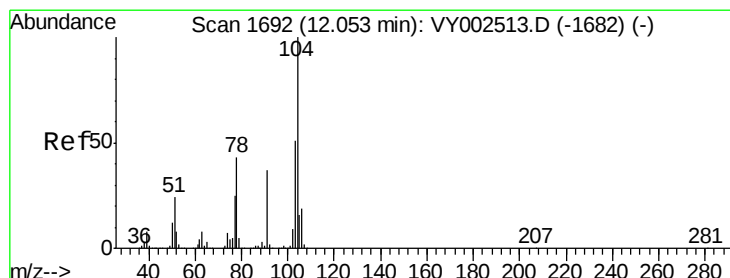
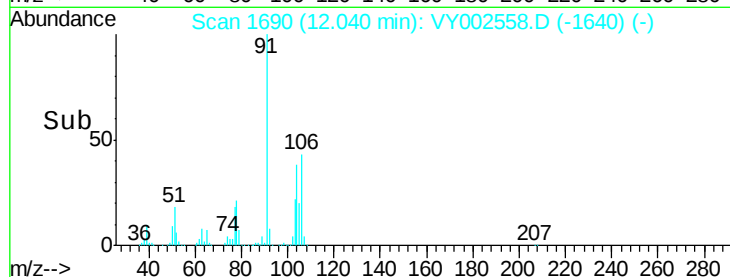
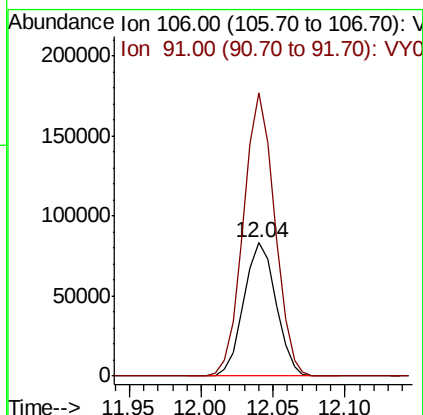
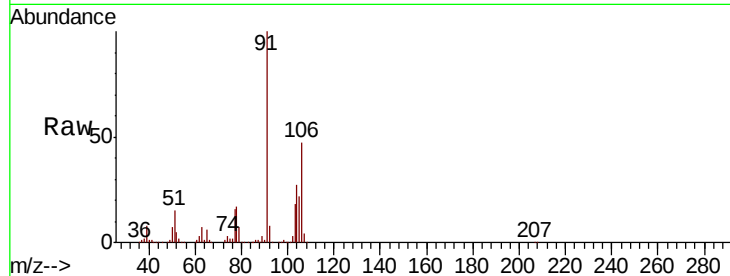




#69
o-Xylene
Concen: 19.779 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

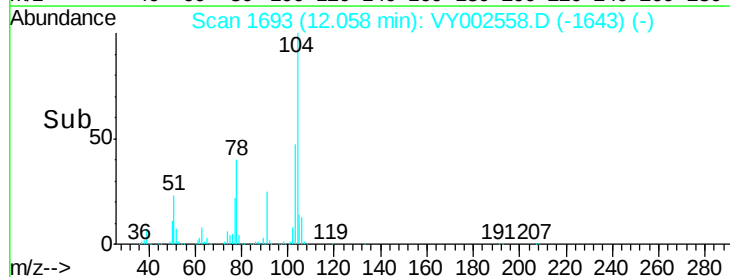
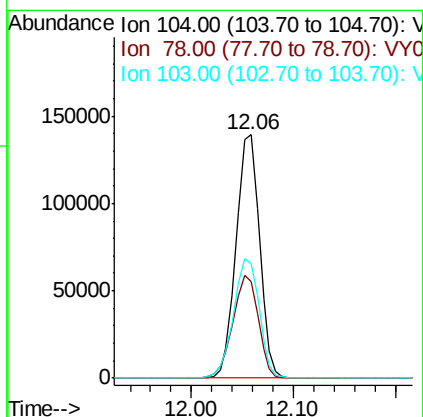
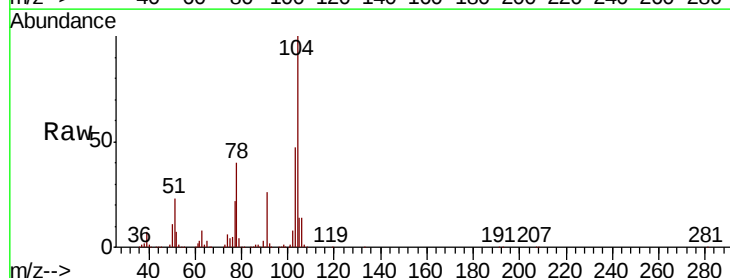
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD02

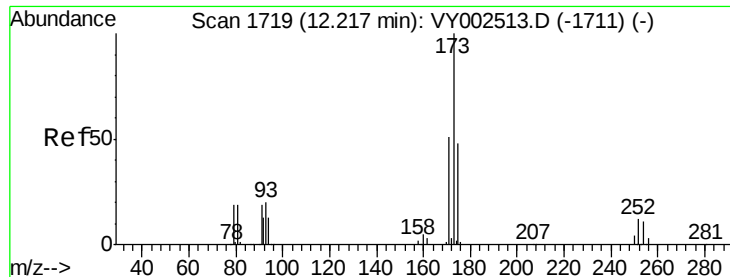
Tot Ion:106 Resp: 129092
Ion Ratio Lower Upper
106 100
91 206.4 103.8 311.3



#70
Styrene
Concen: 19.833 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion:104 Resp: 221291
Ion Ratio Lower Upper
104 100
78 45.7 37.4 56.0
103 53.7 43.9 65.9





#71

Bromoform

Concen: 19.730 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBSD02

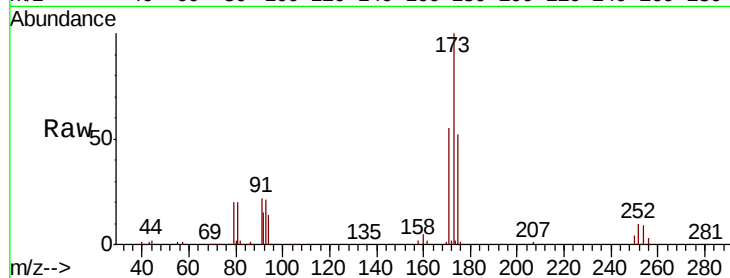
Tot Ion:173 Resp: 46622

Ion Ratio Lower Upper

173 100

175 50.6 24.3 72.8

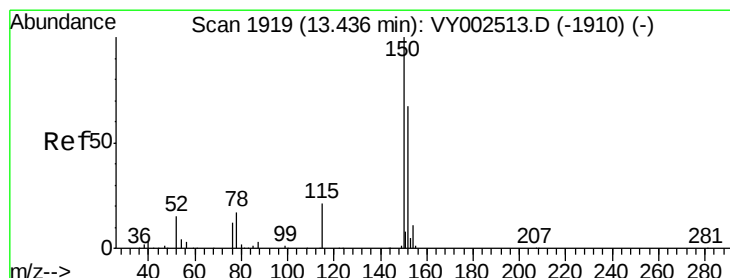
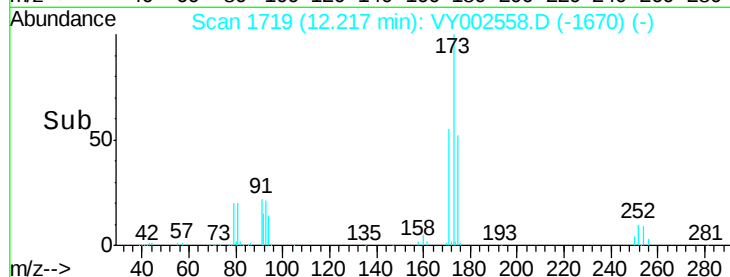
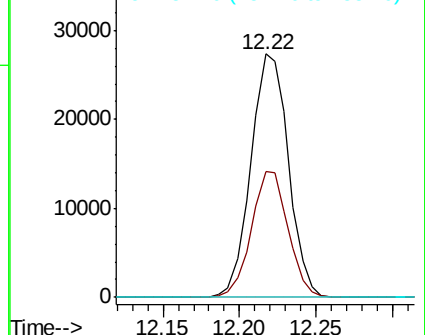
254 0.0 0.2 0.2#



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: VY002558.D

Acq: 04 May 2020 22:59

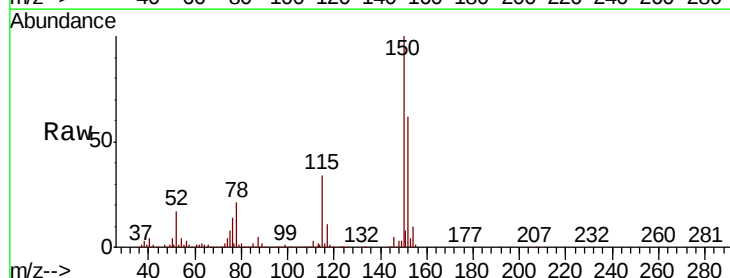
Tgt Ion:152 Resp: 271013

Ion Ratio Lower Upper

152 100

115 54.1 27.5 82.4

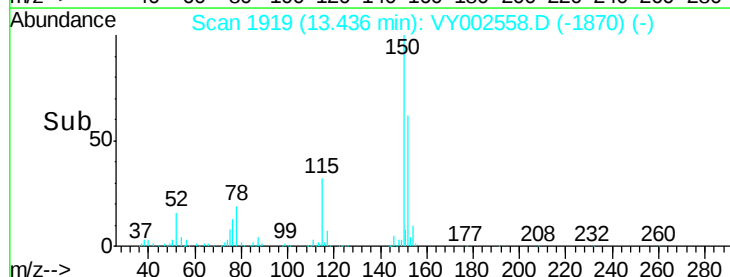
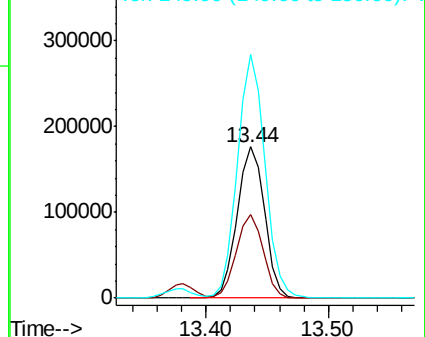
150 163.1 0.0 346.4

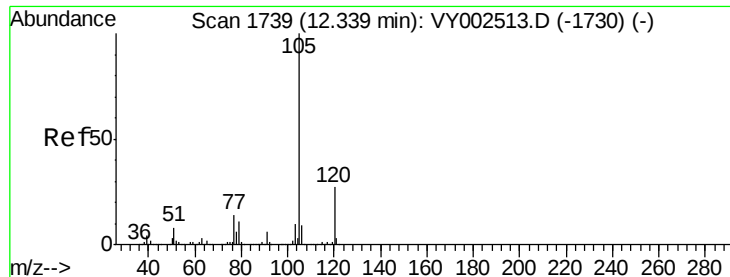


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.860 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

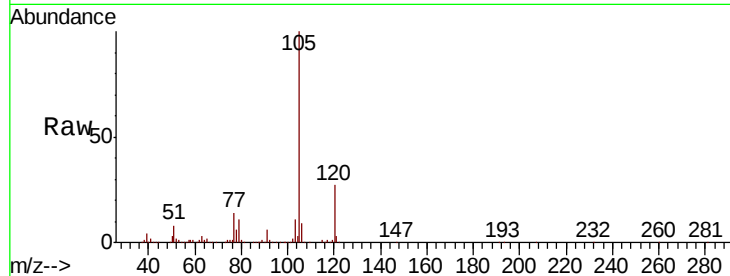
VY0504SBS02

Tot Ion:105 Resp: 348820

Ion Ratio Lower Upper

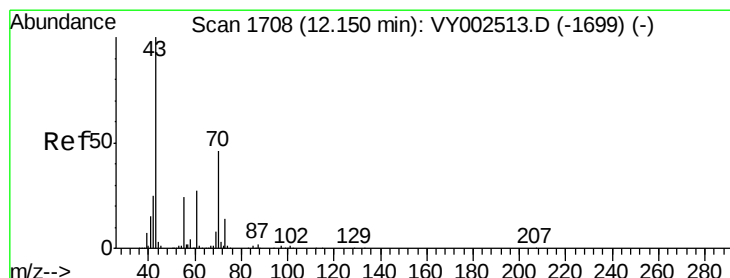
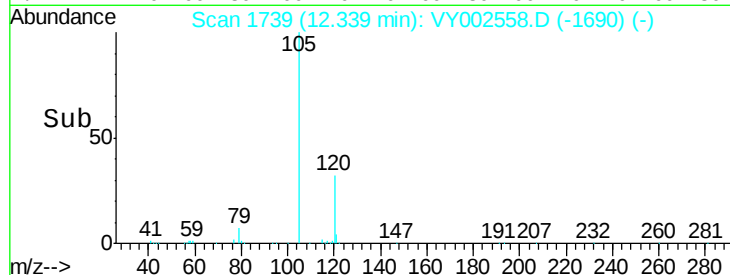
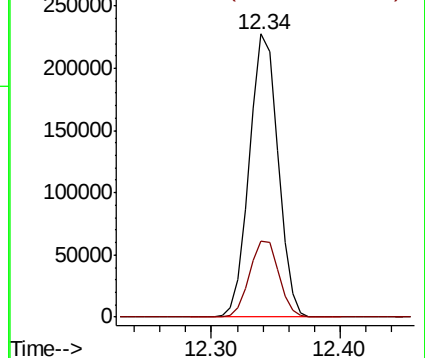
105 100

120 27.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.548 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Tgt Ion: 43 Resp: 86820

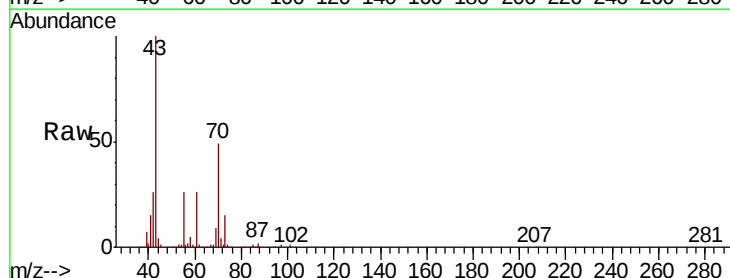
Ion Ratio Lower Upper

43 100

70 47.1 36.7 55.1

55 24.8 19.2 28.8

61 25.5 21.1 31.7

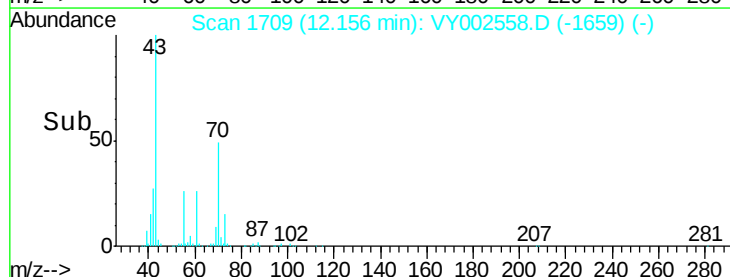
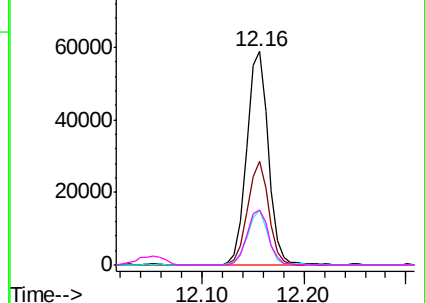


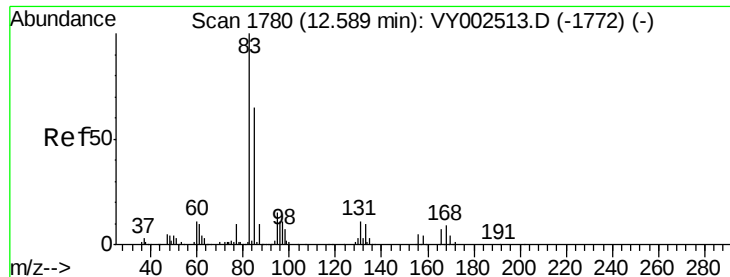
Abundance Ion 43.00 (42.70 to 43.70): VY0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.281 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBSD02

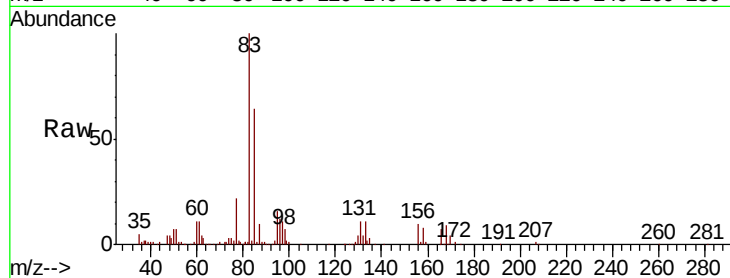
Tot Ion: 83 Resp: 53858

Ion Ratio Lower Upper

83 100

131 11.4 5.9 17.8

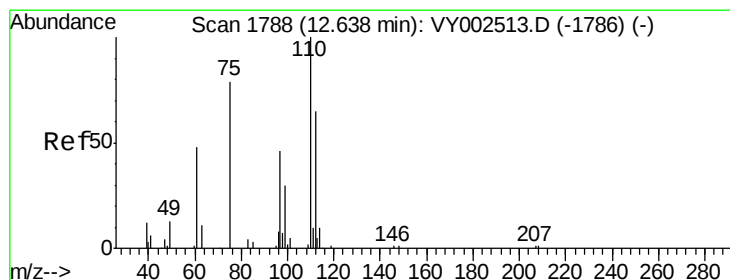
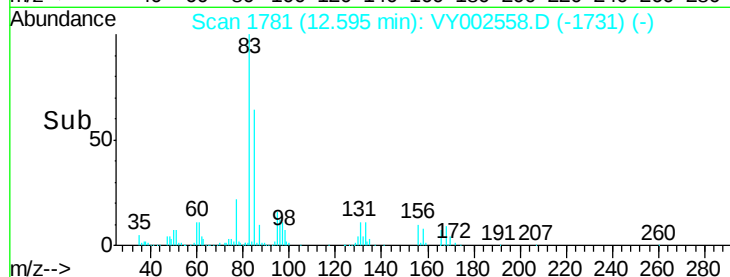
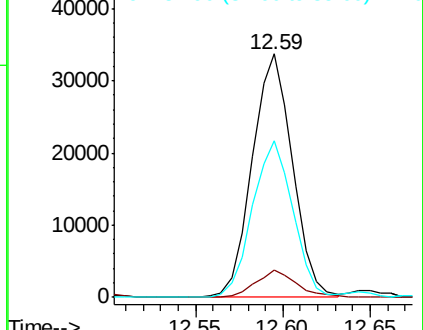
85 64.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 35.317 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY002558.D

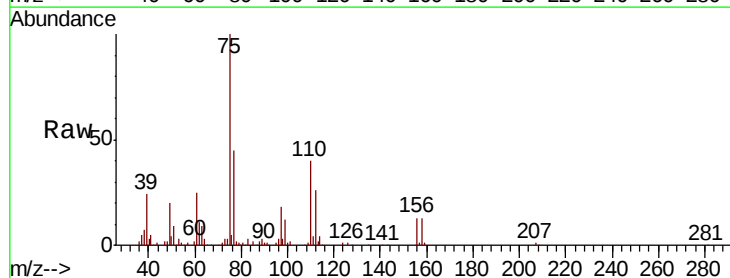
Acq: 04 May 2020 22:59

Tgt Ion: 75 Resp: 85057

Ion Ratio Lower Upper

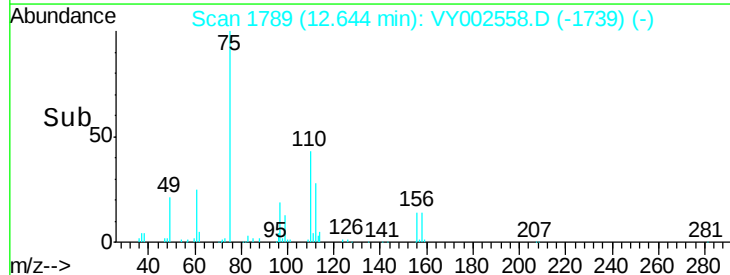
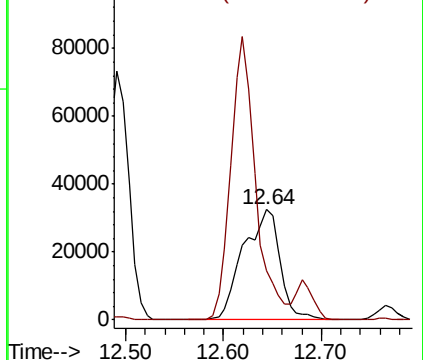
75 100

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: 20.355 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBSD02

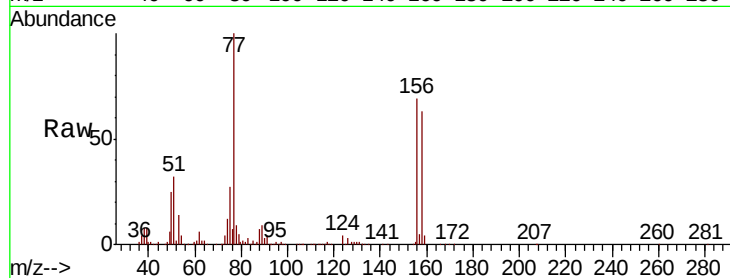
Tot Ion:156 Resp: 89321

Ion Ratio Lower Upper

156 100

77 164.3 82.0 245.8

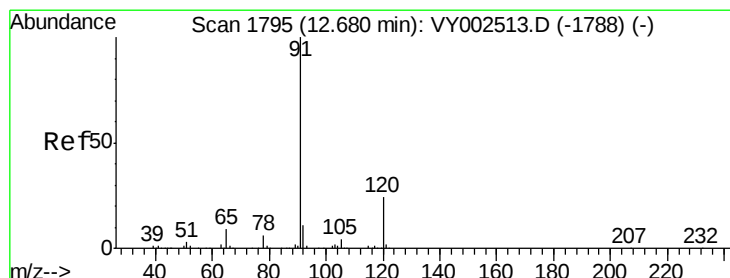
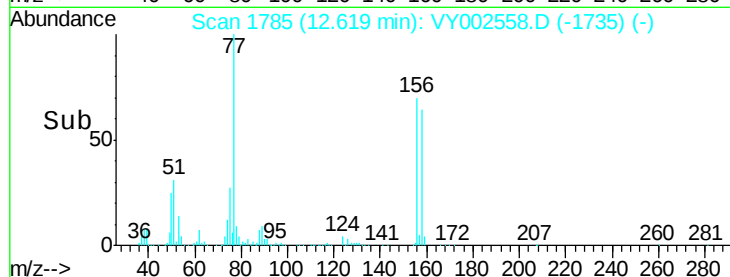
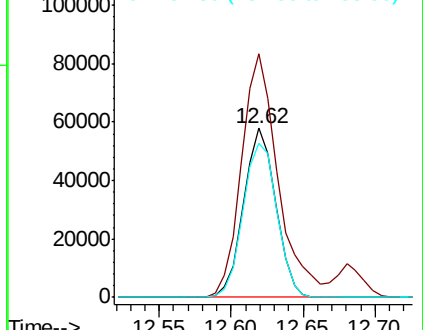
158 95.9 48.5 145.6



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



#78

n-propylbenzene

Concen: 19.745 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002558.D

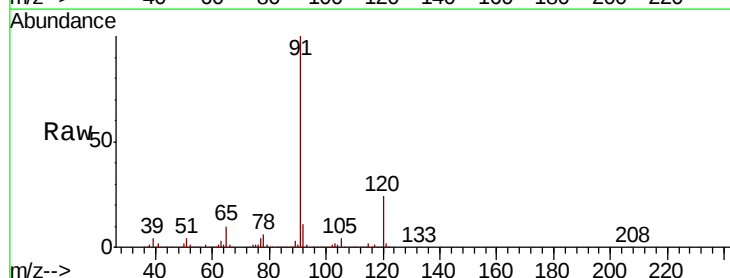
Acq: 04 May 2020 22:59

Tgt Ion: 91 Resp: 402471

Ion Ratio Lower Upper

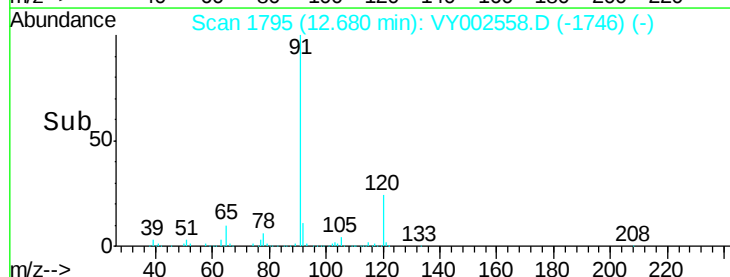
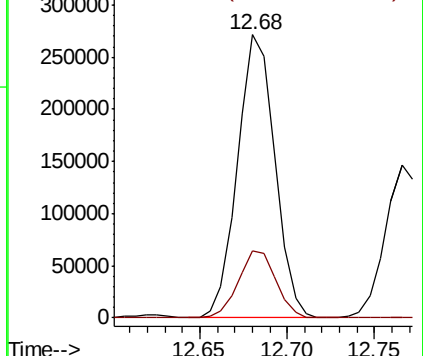
91 100

120 24.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

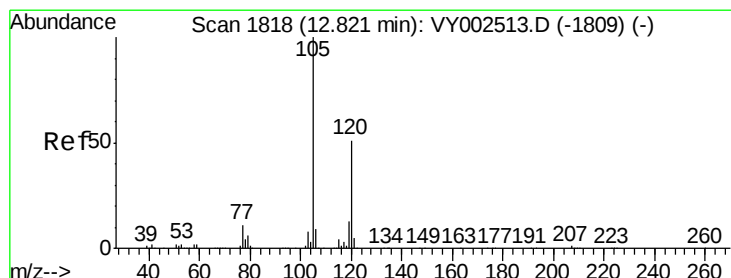
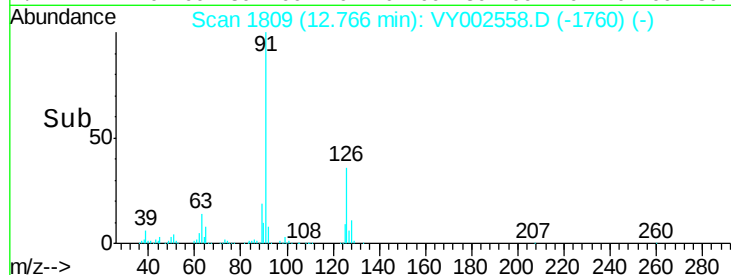
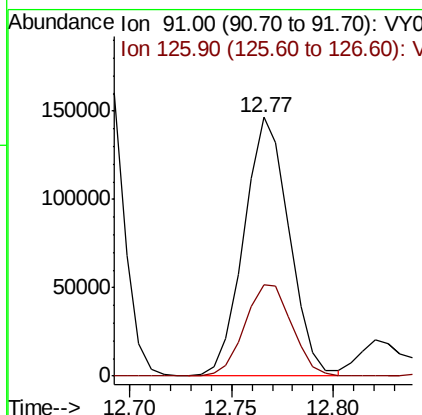
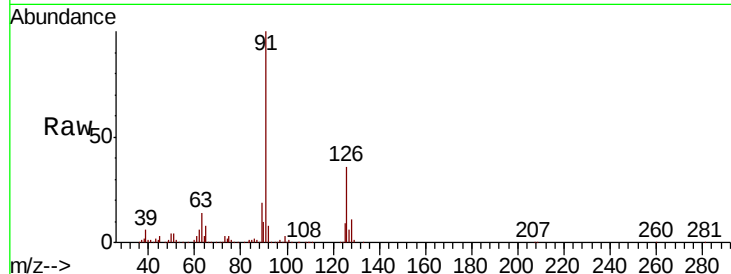




#79
 2-Chlorotoluene
 Concen: 20.033 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

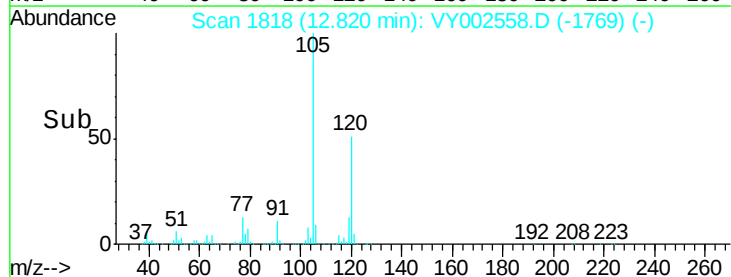
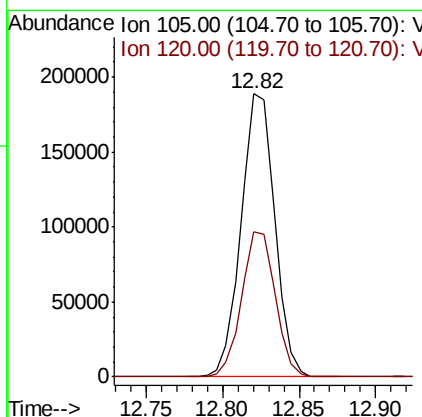
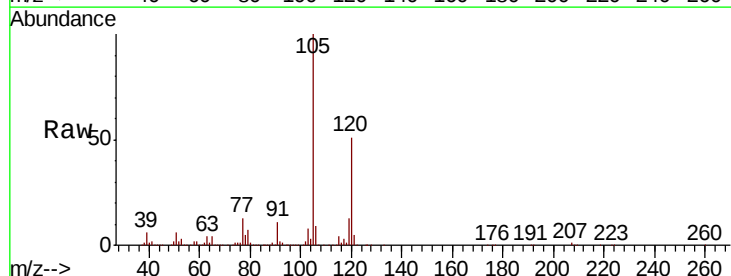
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBSD02

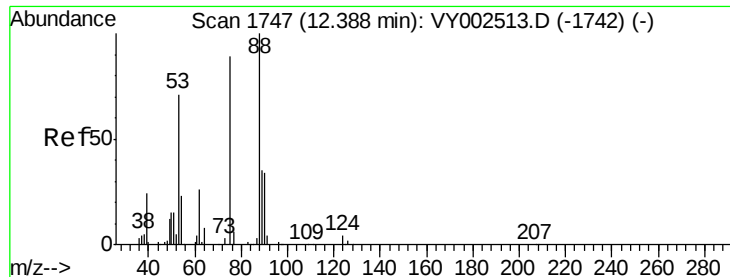
Tot Ion: 91 Resp: 226184
 Ion Ratio Lower Upper
 91 100
 126 36.7 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 19.781 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion: 105 Resp: 288005
 Ion Ratio Lower Upper
 105 100
 120 51.1 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 17.948 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

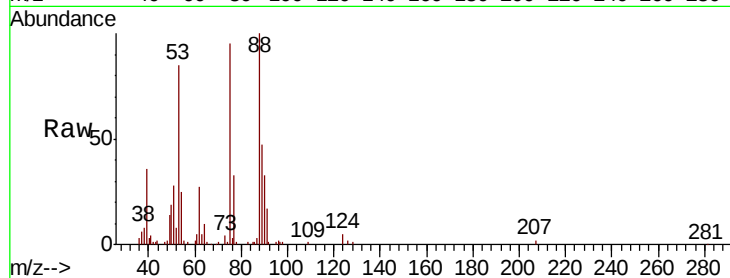
Tot Ion: 75 Resp: 21557

Ion Ratio Lower Upper

75 100

53 90.4 67.4 101.0

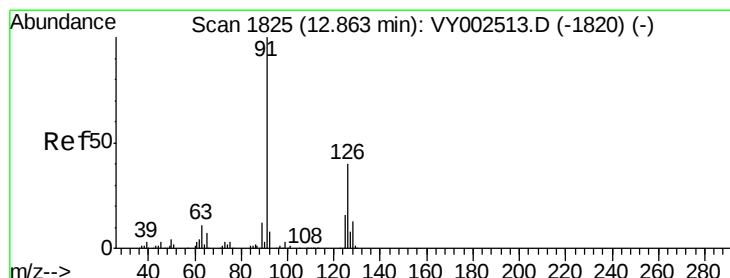
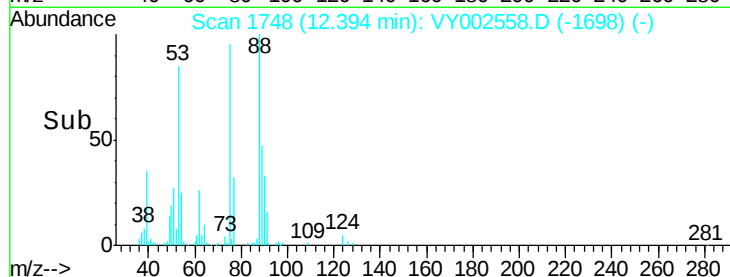
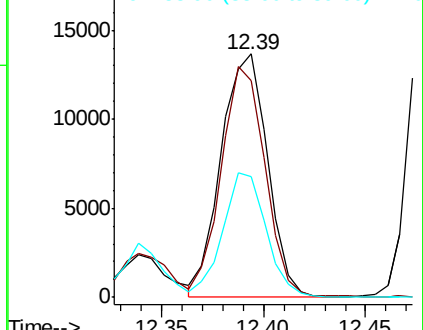
89 48.0 37.4 56.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 19.877 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VY002558.D

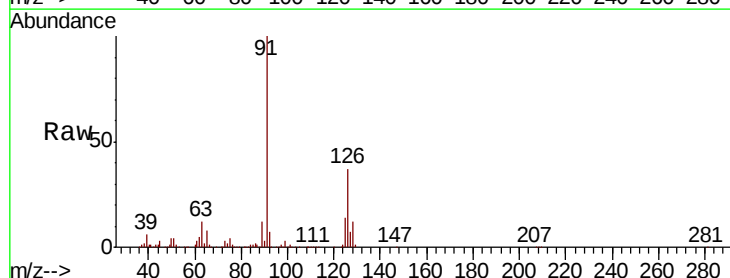
Acq: 04 May 2020 22:59

Tgt Ion: 91 Resp: 235740

Ion Ratio Lower Upper

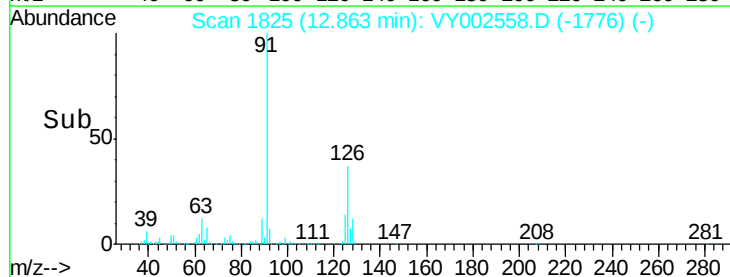
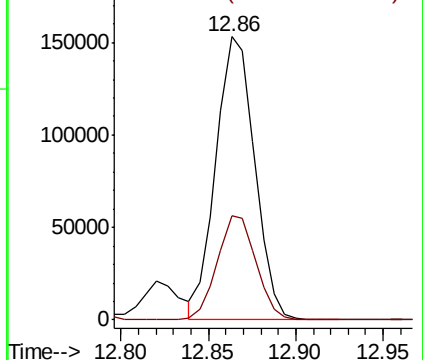
91 100

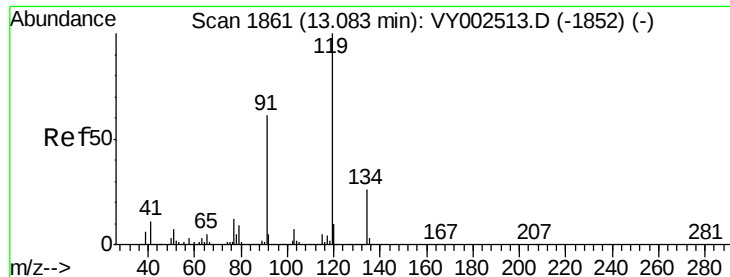
126 36.9 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.437 ug/l

RT: 13.09 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBSD02

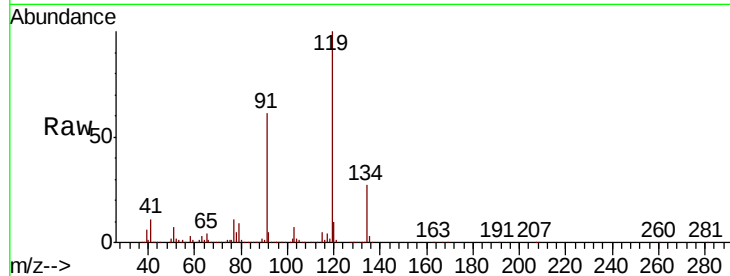
Tot Ion:119 Resp: 260898

Ion Ratio Lower Upper

119 100

91 60.6 30.6 91.6

134 26.5 13.5 40.4

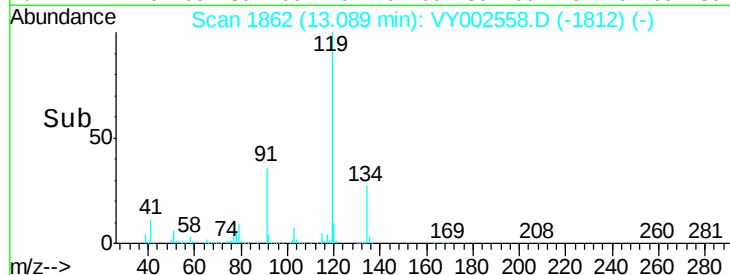


Abundance Ion 119.00 (118.70 to 119.70): V

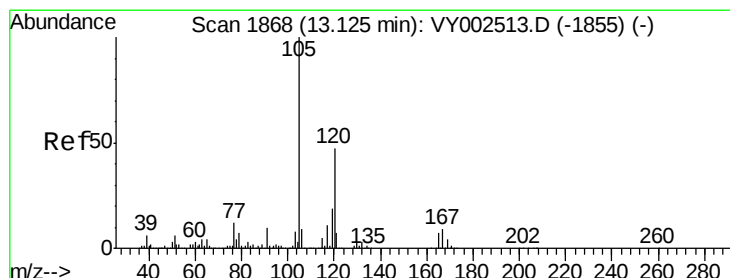
Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V

Time-->



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 19.937 ug/l

RT: 13.13 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VY002558.D

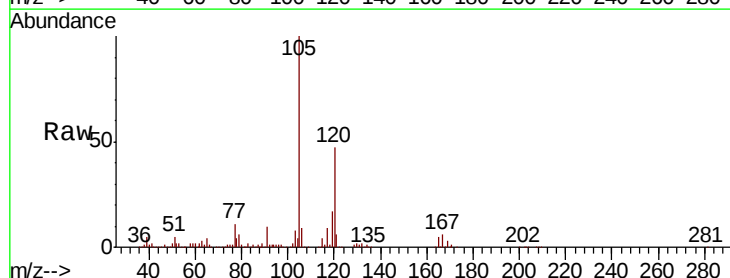
Acq: 04 May 2020 22:59

Tgt Ion:105 Resp: 289293

Ion Ratio Lower Upper

105 100

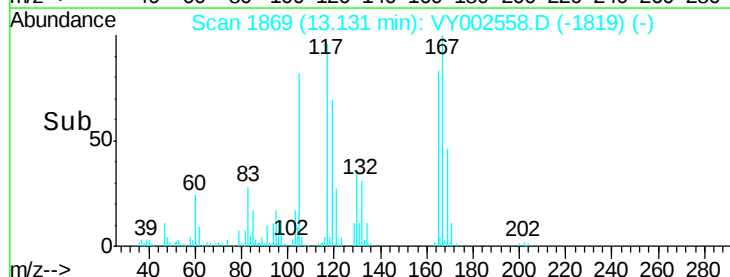
120 47.2 23.4 70.3



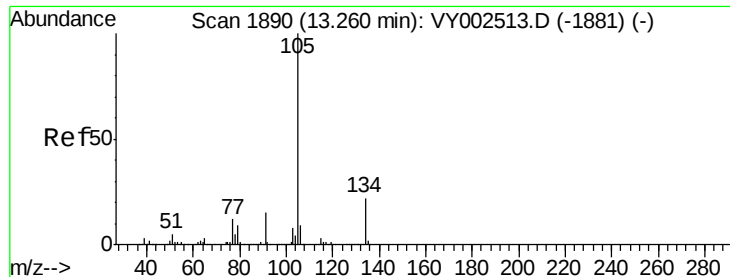
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Time-->



Time-->



#85

sec-Butylbenzene

Concen: 20.035 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

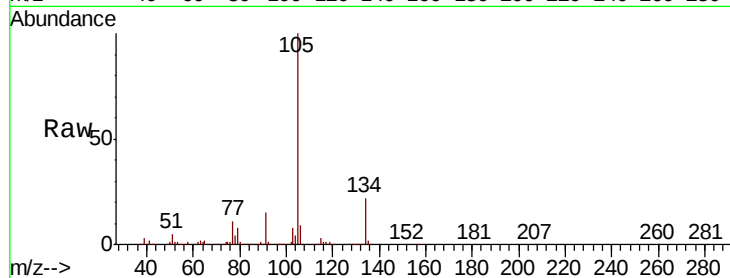
VY0504SBS02

Tot Ion:105 Resp: 354905

Ion Ratio Lower Upper

105 100

134 21.2 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

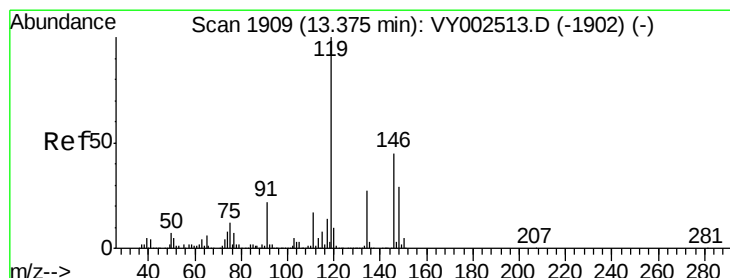
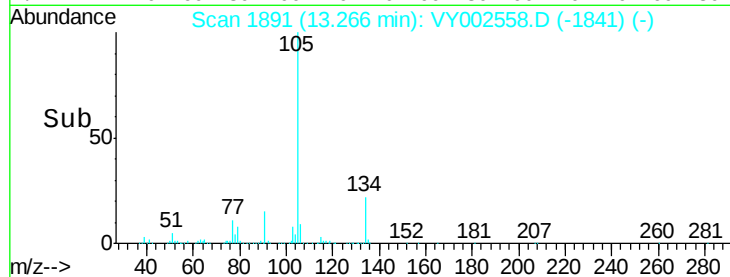
0

13.20

13.27

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 19.690 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

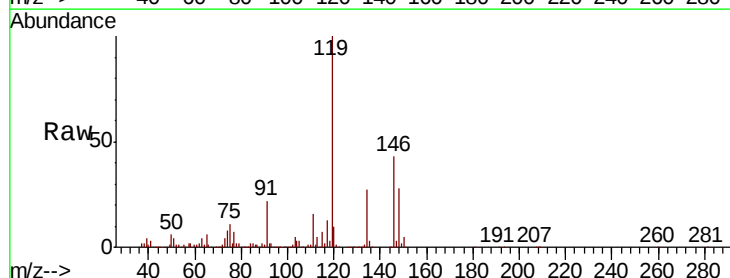
Tgt Ion:119 Resp: 326822

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.5

91 21.9 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

300000

250000

200000

150000

100000

50000

0

13.30

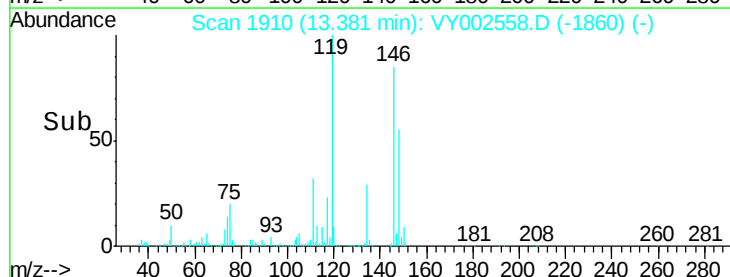
13.35

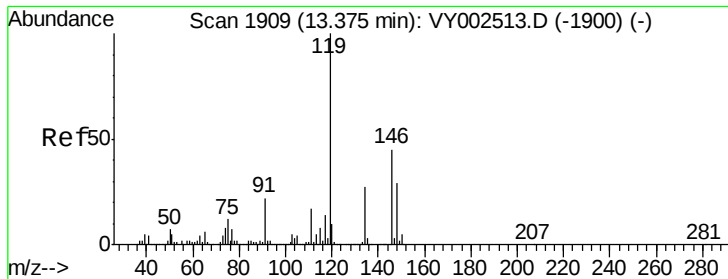
13.38

13.40

13.45

Time-->

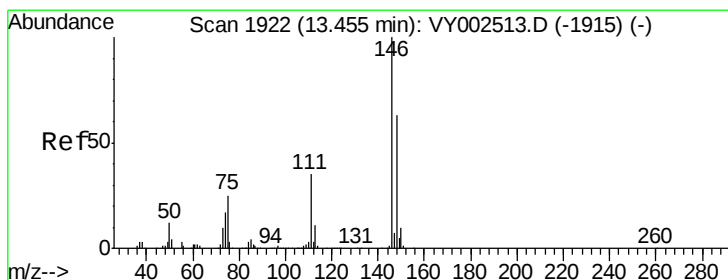
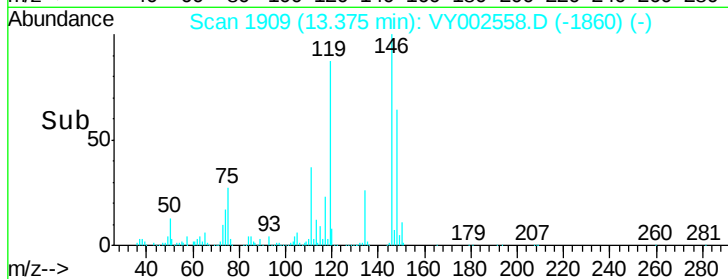
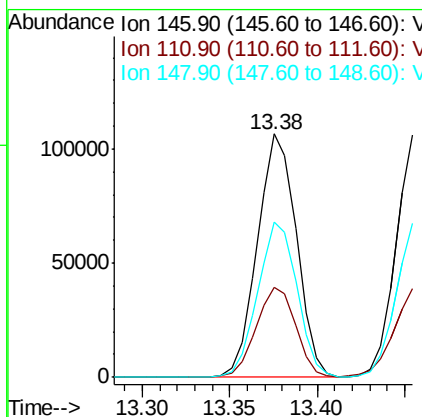
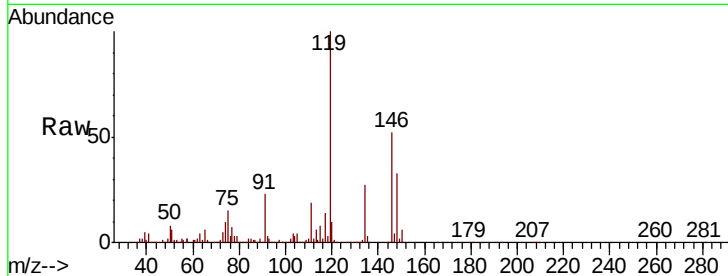




#87
 1,3-Dichlorobenzene
 Concen: 19.950 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

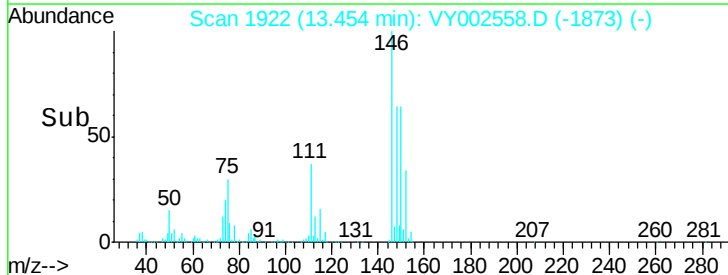
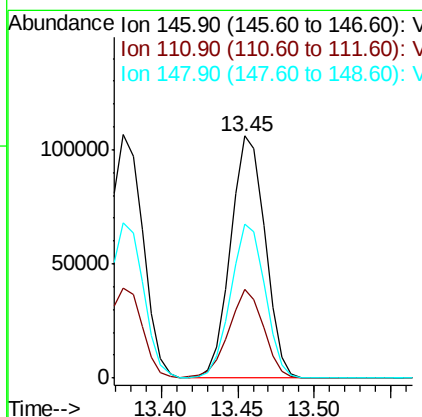
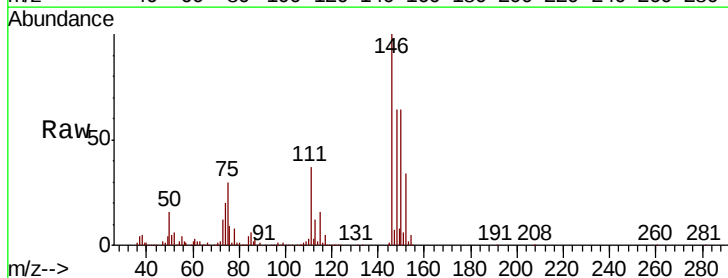
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

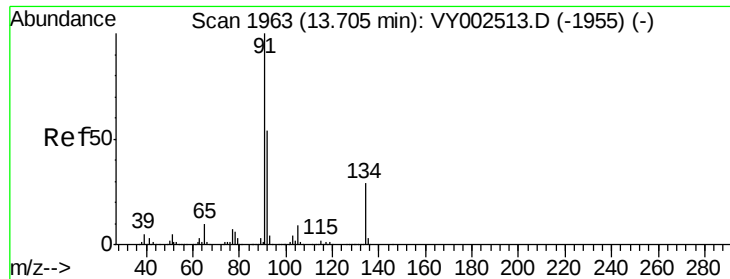
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	64.3	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.194 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.1
148	63.4	31.9	95.5

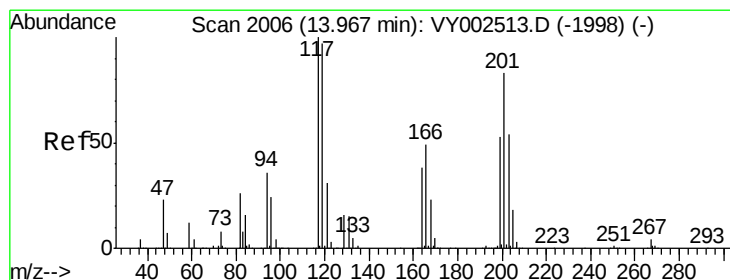
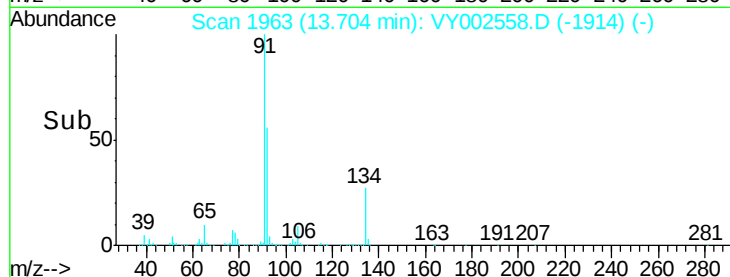
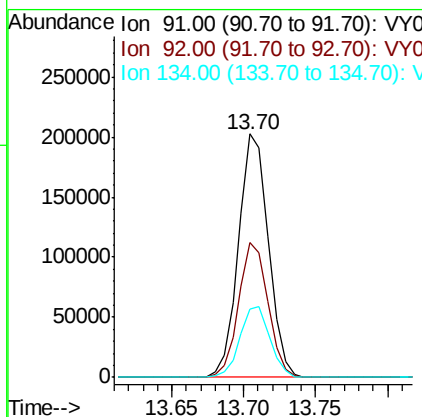
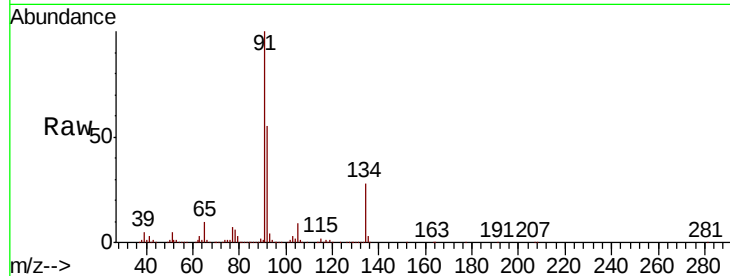




#89
n-Butylbenzene
Concen: 19.359 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

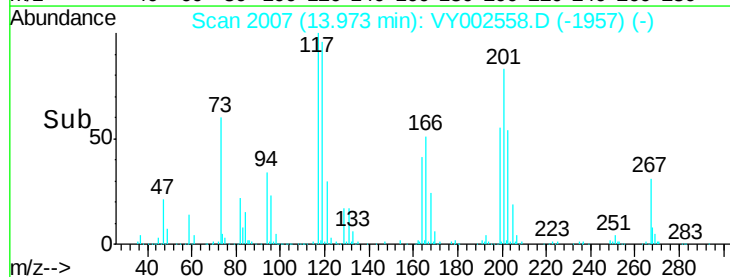
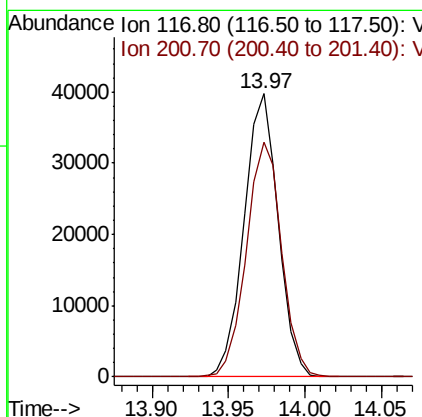
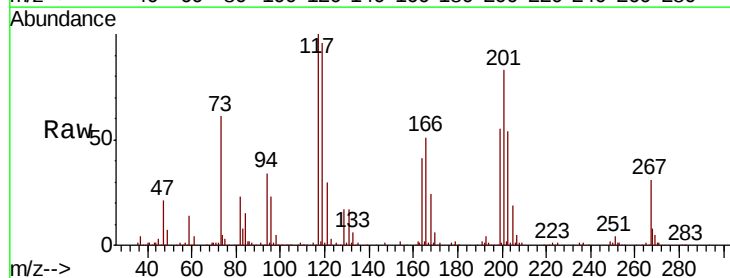
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD02

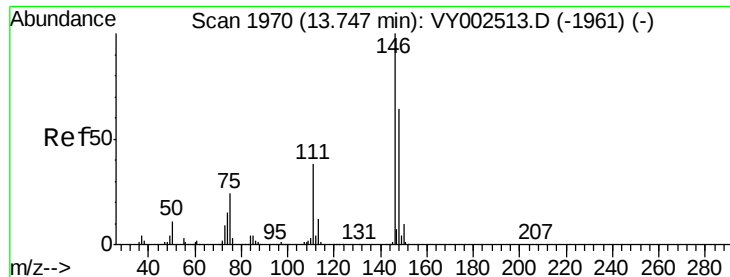
Tot Ion: 91 Resp: 292517
Ion Ratio Lower Upper
91 100
92 54.4 27.1 81.3
134 28.9 14.4 43.0



#90
Hexachloroethane
Concen: 20.389 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion: 117 Resp: 61631
Ion Ratio Lower Upper
117 100
201 85.8 44.4 133.2

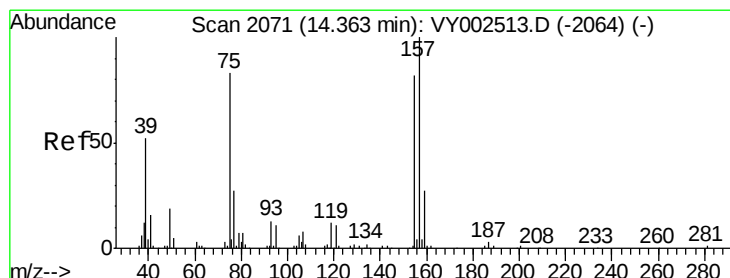
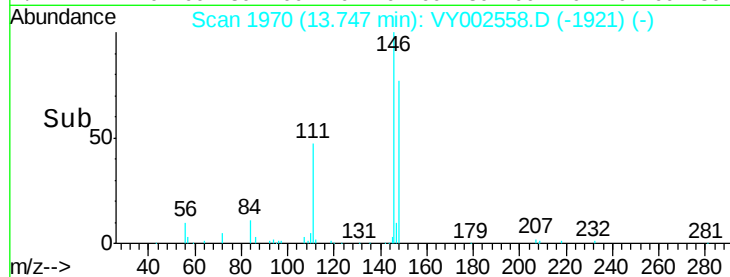
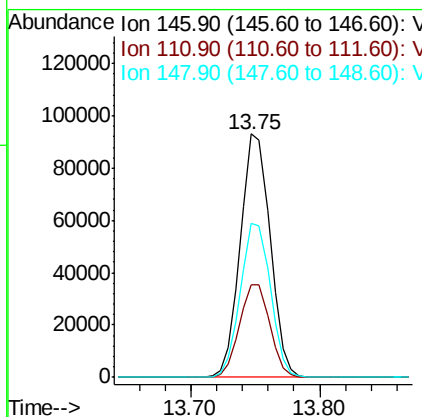
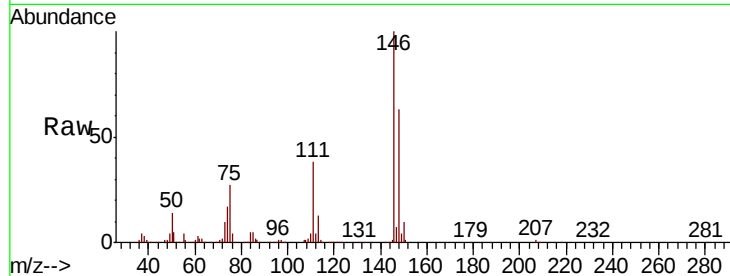




#91
 1,2-Dichlorobenzene
 Concen: 20.213 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

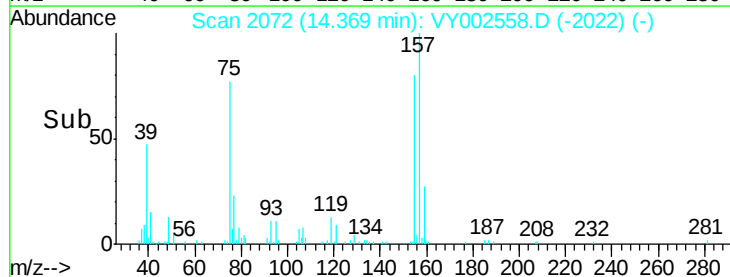
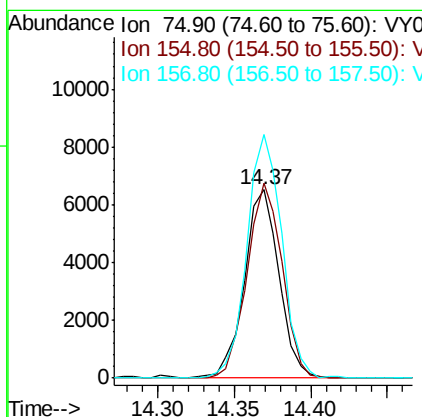
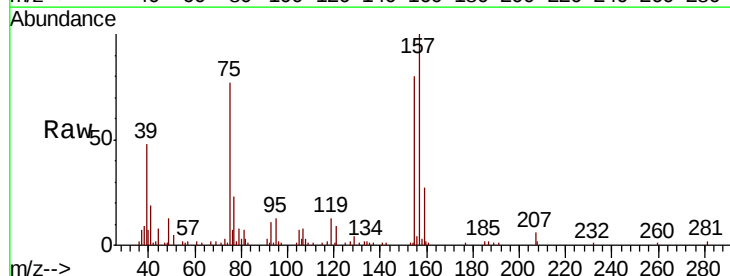
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBSD02

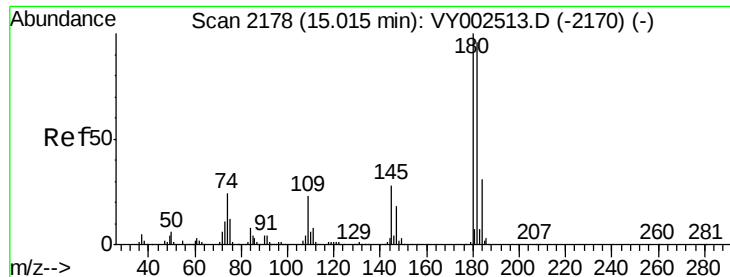
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	63.7	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.739 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.6	51.3	153.9
157	130.3	65.0	195.0

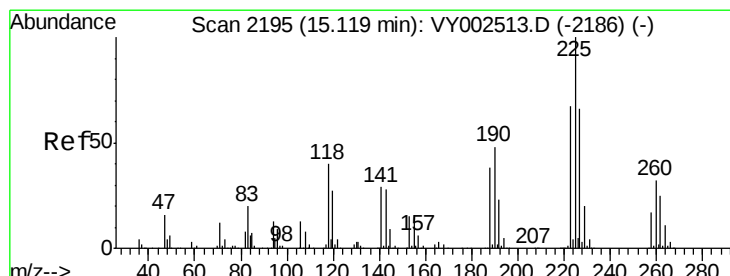
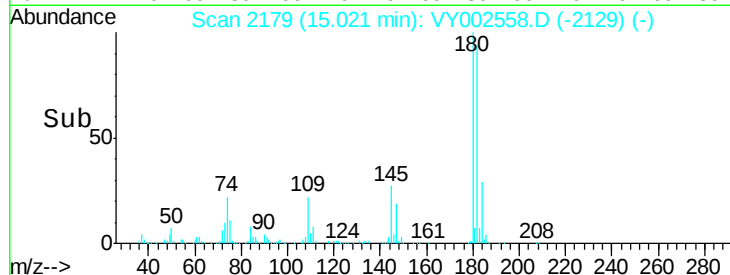
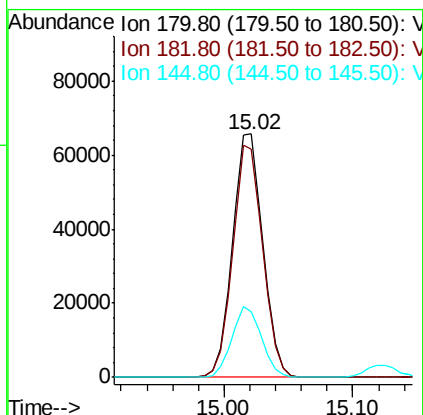
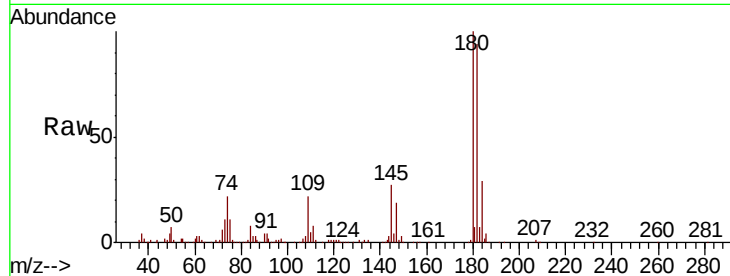




#93
 1,2,4-Trichlorobenzene
 Concen: 19.910 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

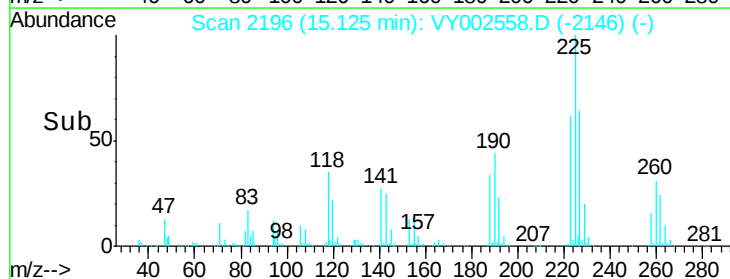
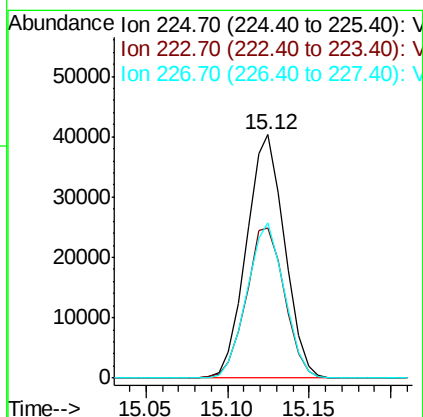
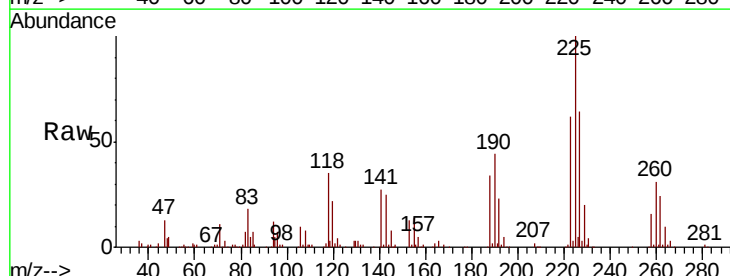
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBSD02

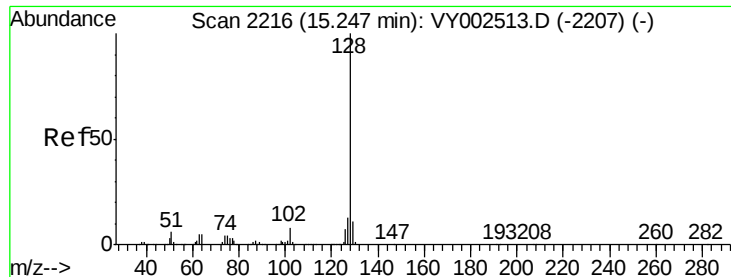
Tot Ion:180 Resp: 107124
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.9 143.6
 145 28.7 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 20.274 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion:225 Resp: 65479
 Ion Ratio Lower Upper
 225 100
 223 62.2 32.1 96.5
 227 62.6 32.0 96.2

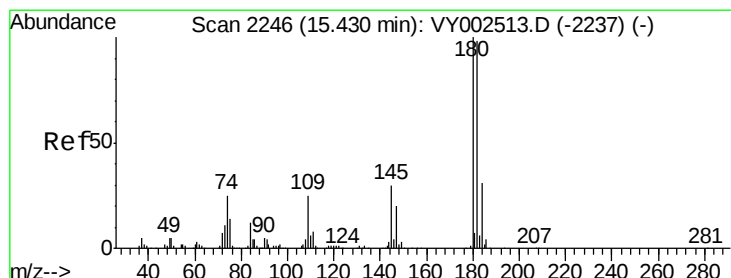
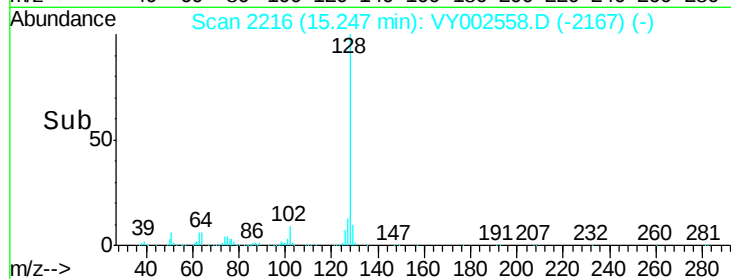
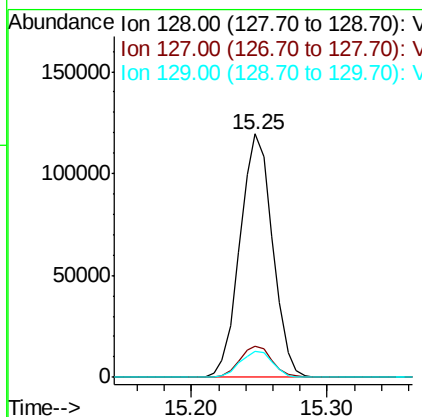
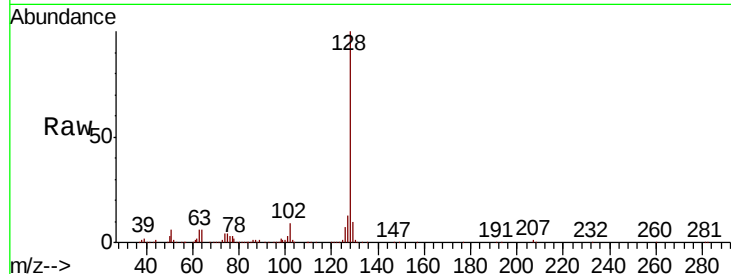




#95
Naphthalene
Concen: 20.446 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion:128 Resp: 200680
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.889 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion:180 Resp: 90845
Ion Ratio Lower Upper
180 100
182 98.3 47.9 143.8
145 30.8 15.0 45.1

