

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002621.D
 Acq On : 07 May 2020 11:25
 Operator : SY/MD
 Sample : VY0507SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBS01

Quant Time: May 07 12:43:24 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	7.81	168	364068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	527806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	479538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	249711	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	145943	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
35) Dibromofluoromethane	7.74	113	157271	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	10.19	98	615341	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
62) 4-Bromofluorobenzene	12.49	95	211179	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	42210	15.315	ug/l	97
3) Chloromethane	2.12	50	52570	17.823	ug/l	98
4) Vinyl Chloride	2.26	62	60832	17.861	ug/l	97
5) Bromomethane	2.65	94	43372	18.466	ug/l	96
6) Chloroethane	2.80	64	37976	18.674	ug/l	96
7) Trichlorofluoromethane	3.14	101	99315	18.814	ug/l	95
8) Diethyl Ether	3.54	74	34511	19.455	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	62664	19.424	ug/l	99
10) Methyl Iodide	4.11	142	80889	18.404	ug/l	98
11) Tert butyl alcohol	4.99	59	29471	93.577	ug/l	100
12) 1,1-Dichloroethene	3.89	96	60660	19.355	ug/l	96
13) Acrolein	3.75	56	17530	80.493	ug/l	99
14) Allyl chloride	4.51	41	91158	19.963	ug/l	98
15) Acrylonitrile	5.19	53	82726	98.892	ug/l	99
16) Acetone	3.97	43	58180	92.093	ug/l	99
17) Carbon Disulfide	4.21	76	165538	17.557	ug/l	99
18) Methyl Acetate	4.50	43	41070	19.457	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	162537	19.878	ug/l	99
20) Methylene Chloride	4.74	84	70842	20.052	ug/l	93
21) trans-1,2-Dichloroethene	5.24	96	66763	19.490	ug/l	96
22) Diisopropyl ether	6.14	45	190885	20.660	ug/l	97
23) Vinyl Acetate	6.08	43	575824	99.097	ug/l	98
24) 1,1-Dichloroethane	6.04	63	109880	20.102	ug/l	99
25) 2-Butanone	7.00	43	98735	95.475	ug/l	98
26) 2,2-Dichloropropane	7.00	77	101387	19.514	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	76524	20.190	ug/l	99
28) Bromochloromethane	7.35	49	44736	19.975	ug/l	99
29) Tetrahydrofuran	7.37	42	67844	99.157	ug/l	99
30) Chloroform	7.53	83	113379	19.949	ug/l	99
31) Cyclohexane	7.80	56	103603	18.830	ug/l #	96
32) 1,1,1-Trichloroethane	7.72	97	104230	19.731	ug/l	99
36) 1,1-Dichloropropene	7.93	75	88353	19.968	ug/l	98
37) Ethyl Acetate	7.10	43	45237	19.896	ug/l	99
38) Carbon Tetrachloride	7.92	117	96901	20.060	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	115021	19.682	ug/l	97
40) Benzene	8.18	78	261027	20.426	ug/l	99
41) Methacrylonitrile	7.36	41	63523	51.961	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	70823	19.758	ug/l	98
43) Isopropyl Acetate	8.29	43	86099	20.199	ug/l	99
44) Trichloroethene	8.95	130	84511	21.161	ug/l	94
45) 1,2-Dichloropropane	9.23	63	63691	20.651	ug/l	97
46) Dibromomethane	9.32	93	35338	19.914	ug/l	99
47) Bromodichloromethane	9.51	83	88159	20.432	ug/l	100
48) Methyl methacrylate	9.30	41	38075	19.737	ug/l	98
49) 1,4-Dioxane	9.31	88	10279	437.487	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	228622	104.056	ug/l	100
52) Toluene	10.25	92	167972	20.452	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	91359	20.208	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	107603	20.588	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	54811	21.181	ug/l	99
56) Ethyl methacrylate	10.52	69	70249	20.406	ug/l	97
57) 1,3-Dichloropropane	10.80	76	89607	20.419	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	199904	110.113	ug/l	98
59) 2-Hexanone	10.84	43	156400	103.426	ug/l	99
60) Dibromochloromethane	10.99	129	68761	20.892	ug/l	97
61) 1,2-Dibromoethane	11.10	107	52435	20.464	ug/l	99
64) Tetrachloroethene	10.72	164	94960	22.288	ug/l	98
65) Chlorobenzene	11.52	112	189046	20.738	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	70213	20.749	ug/l	99
67) Ethyl Benzene	11.60	91	331928	20.729	ug/l	99
68) m/p-Xylenes	11.71	106	255503	41.238	ug/l	100
69) o-Xylene	12.03	106	120071	20.698	ug/l	100
70) Styrene	12.05	104	208932	21.067	ug/l	99
71) Bromoform	12.21	173	43289	20.611	ug/l #	99
73) Isopropylbenzene	12.33	105	335591	20.736	ug/l	99
74) N-amyl acetate	12.15	43	79659	20.462	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	48498	18.843	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	79134	35.660	ug/l #	100
77) Bromobenzene	12.61	156	82693	20.452	ug/l	100
78) n-propylbenzene	12.67	91	390764	20.807	ug/l	99
79) 2-Chlorotoluene	12.76	91	213580	20.530	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	280191	20.886	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	22074	19.946	ug/l	96
82) 4-Chlorotoluene	12.86	91	222790	20.387	ug/l	99
83) tert-Butylbenzene	13.08	119	247755	21.063	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	276861	20.708	ug/l	99
85) sec-Butylbenzene	13.26	105	344280	21.093	ug/l	99
86) p-Isopropyltoluene	13.38	119	319704	20.904	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	157401	20.568	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	157532	20.789	ug/l	99
89) n-Butylbenzene	13.70	91	295680	21.238	ug/l	99
90) Hexachloroethane	13.97	117	58691	21.073	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	141545	20.729	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9613	20.037	ug/l	98

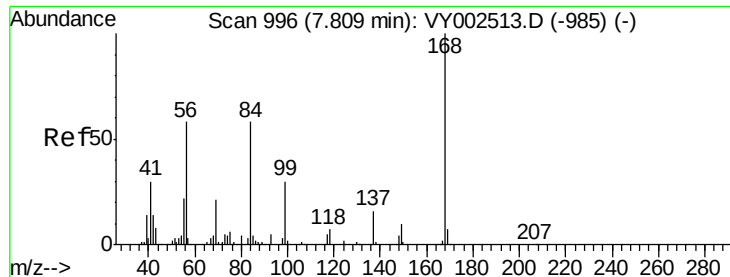
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	107138	21.611	ug/l	99
94) Hexachlorobutadiene	15.12	225	64307	21.610	ug/l	99
95) Naphthalene	15.24	128	189161	20.916	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	90356	21.469	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

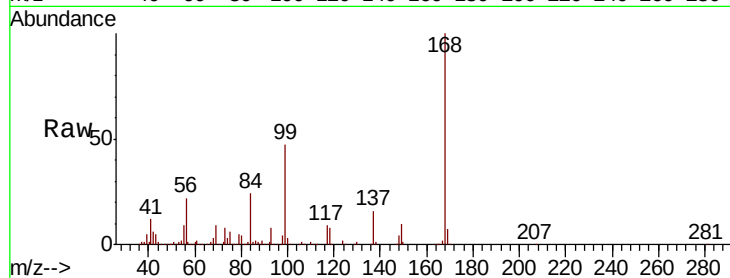
VY0507SBSD01

Tot Ion:168 Resp: 364068

Ion Ratio Lower Upper

168 100

99 46.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002621.D (-1)

Ion 98.90 (98.60 to 99.60): VY002621.D (-1)

7.81

150000

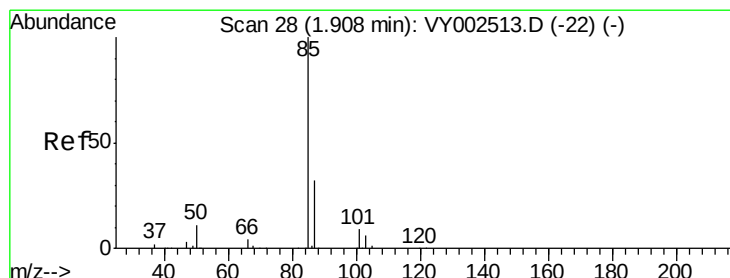
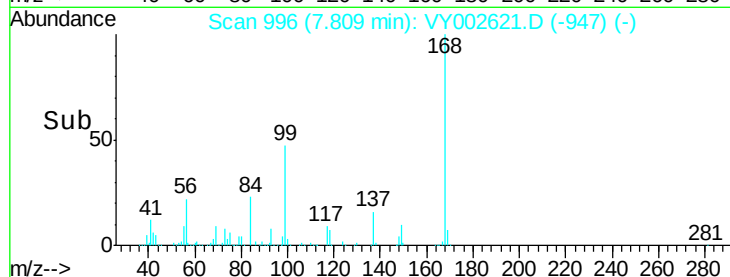
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 15.315 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002621.D

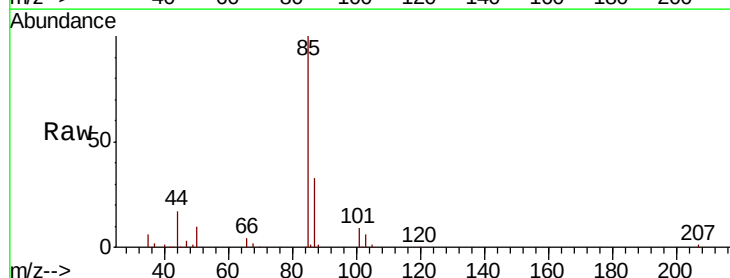
Acq: 07 May 2020 11:25

Tgt Ion: 85 Resp: 42210

Ion Ratio Lower Upper

85 100

87 33.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002621.D (-1)

Ion 86.90 (86.60 to 87.60): VY002621.D (-1)

1.91

30000

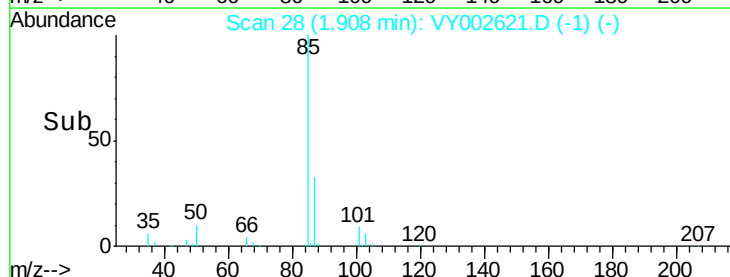
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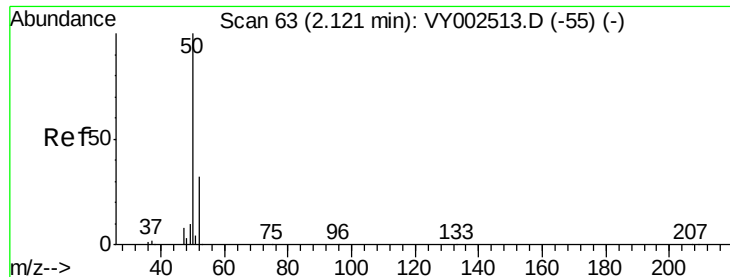
10000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 17.823 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

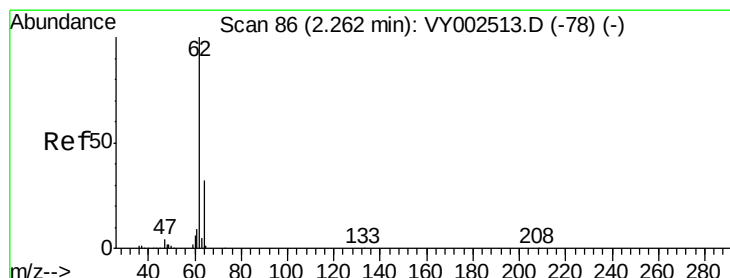
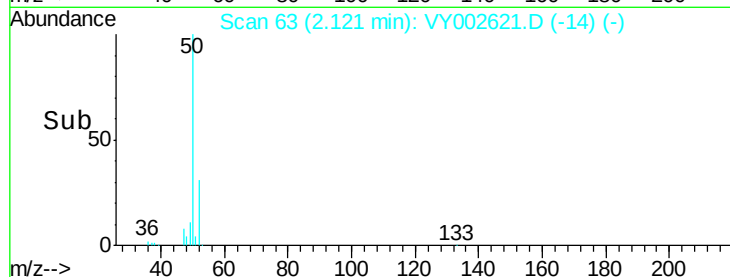
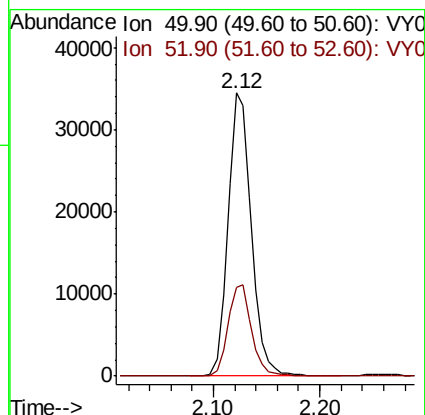
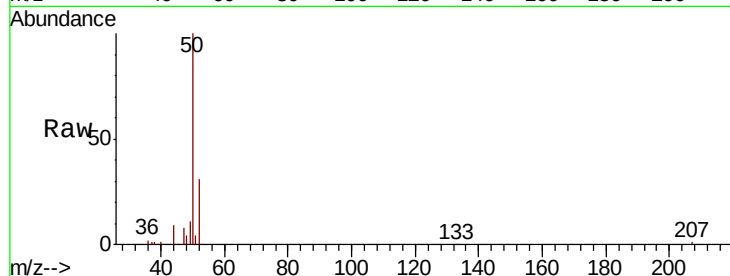
VY0507SBS01

Tot Ion: 50 Resp: 52570

Ion Ratio Lower Upper

50 100

52 31.3 25.9 38.9



#4

Vinyl Chloride

Concen: 17.861 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY002621.D

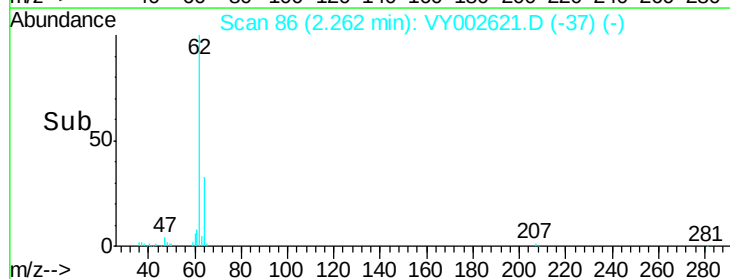
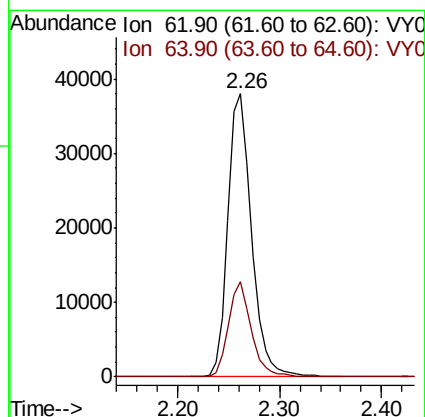
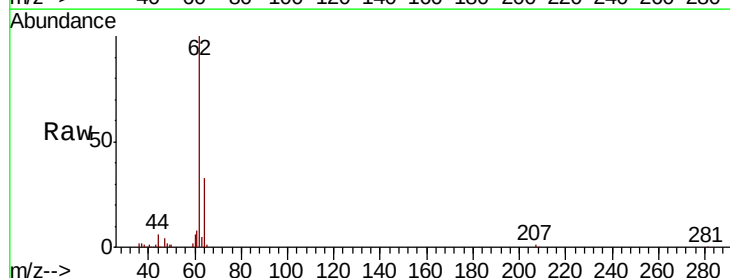
Acq: 07 May 2020 11:25

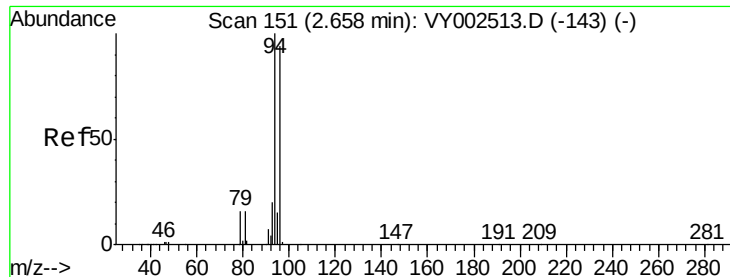
Tgt Ion: 62 Resp: 60832

Ion Ratio Lower Upper

62 100

64 33.5 25.3 37.9





#5

Bromomethane

Concen: 18.466 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

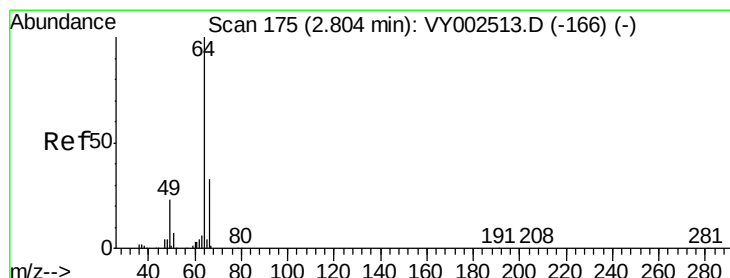
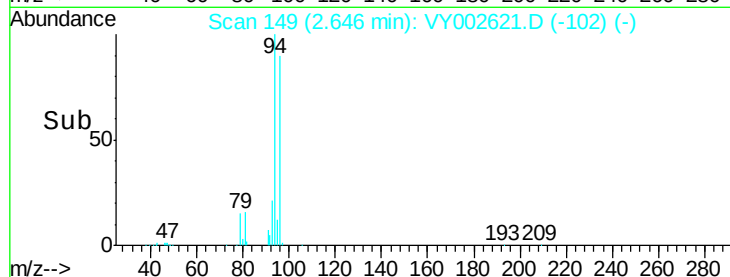
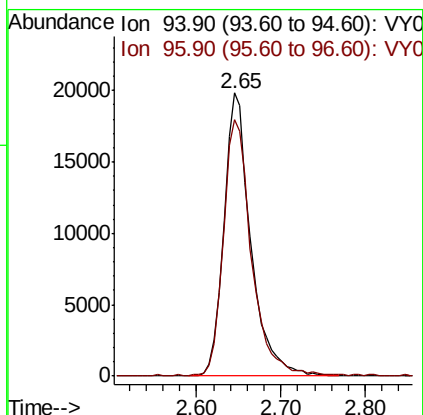
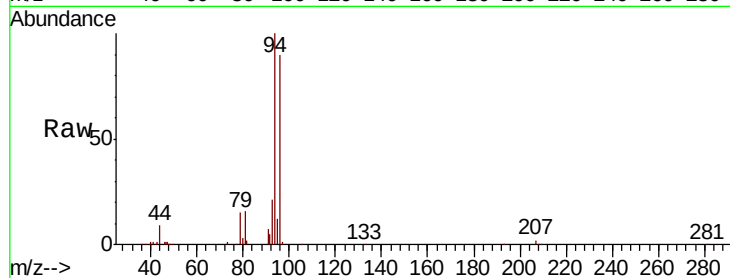
VY0507SBSD01

Tot Ion: 94 Resp: 43372

Ion Ratio Lower Upper

94 100

96 90.1 74.9 112.3



#6

Chloroethane

Concen: 18.674 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY002621.D

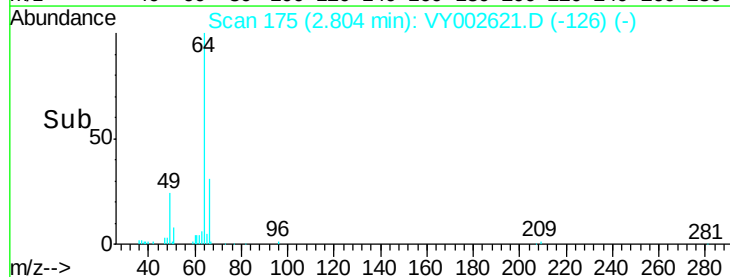
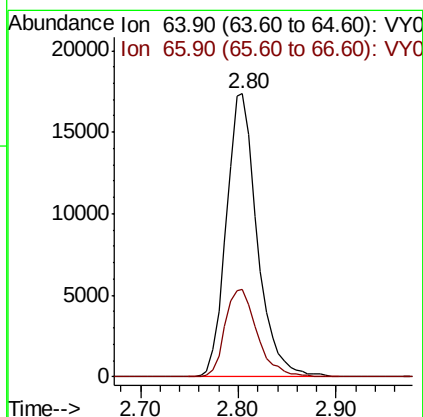
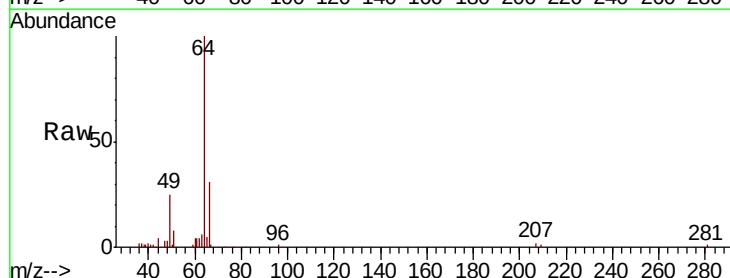
Acq: 07 May 2020 11:25

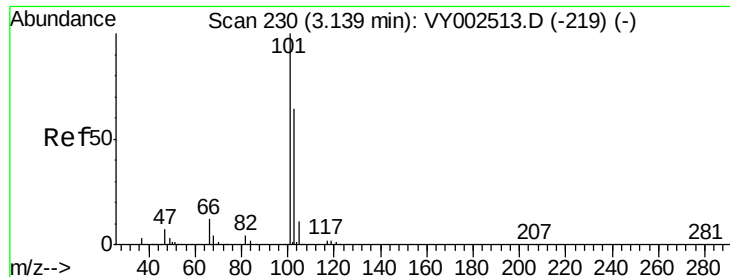
Tgt Ion: 64 Resp: 37976

Ion Ratio Lower Upper

64 100

66 30.8 26.3 39.5



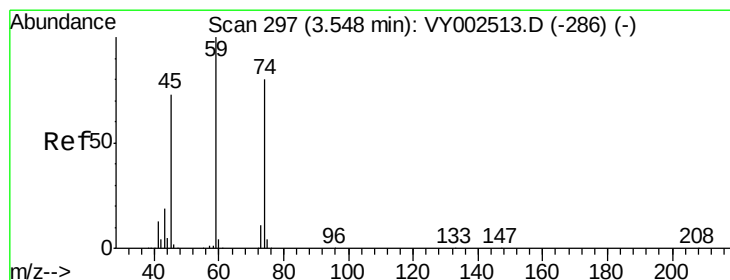
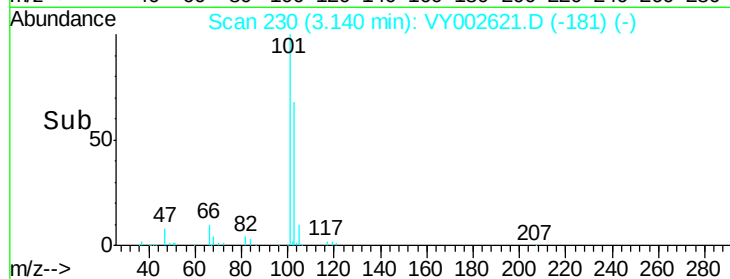
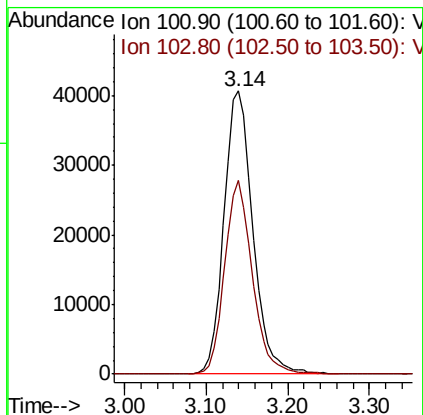
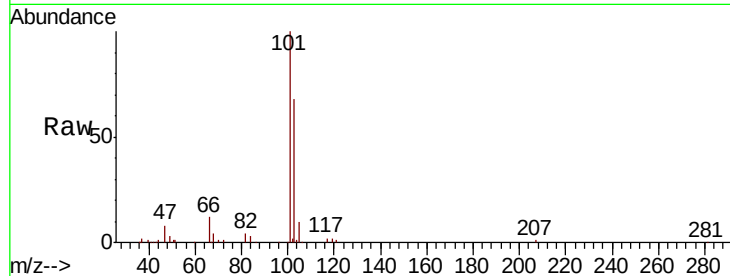


#7

Trichlorofluoromethane
 Concen: 18.814 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBSD01

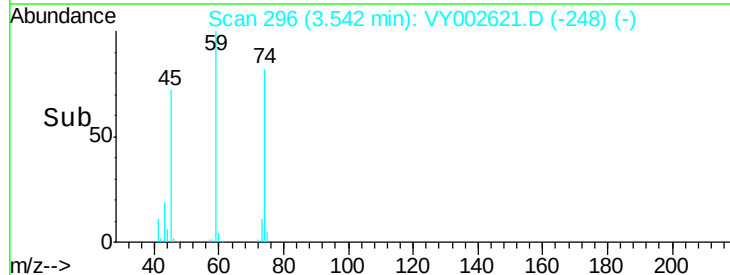
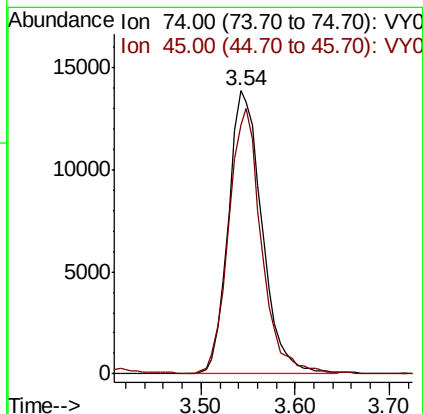
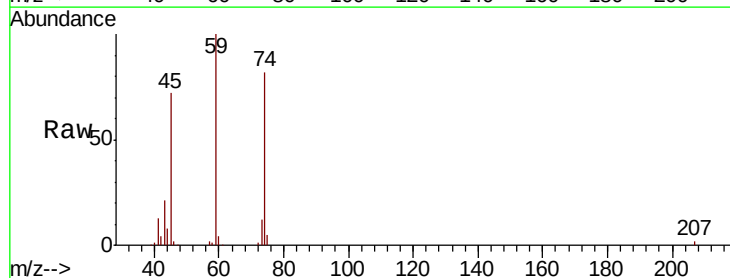
Tot Ion:101 Resp: 99315
 Ion Ratio Lower Upper
 101 100
 103 68.5 51.4 77.0

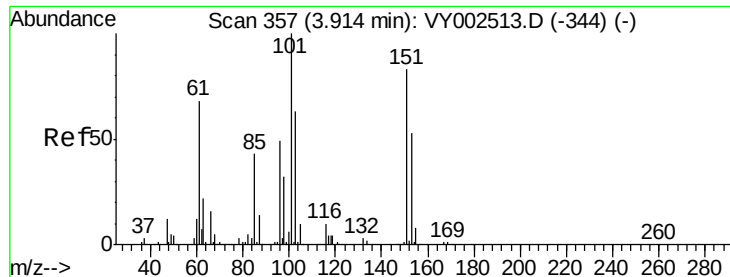


#8

Diethyl Ether
 Concen: 19.455 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion: 74 Resp: 34511
 Ion Ratio Lower Upper
 74 100
 45 91.6 46.2 138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.424 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBSD01

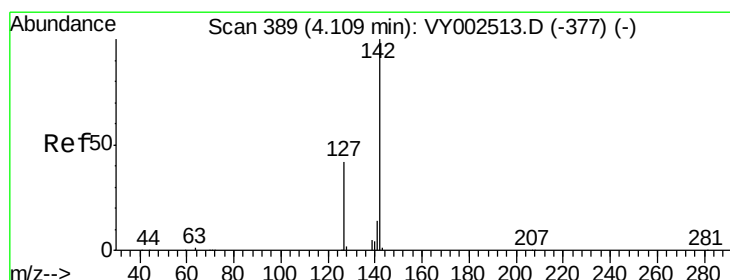
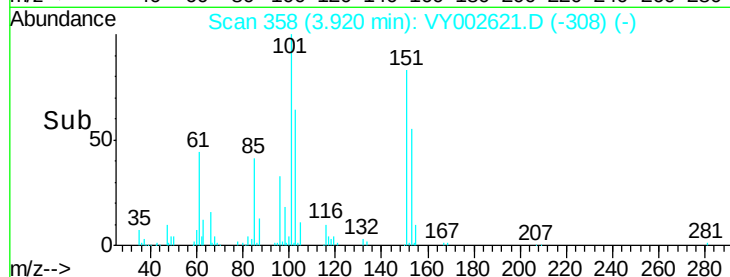
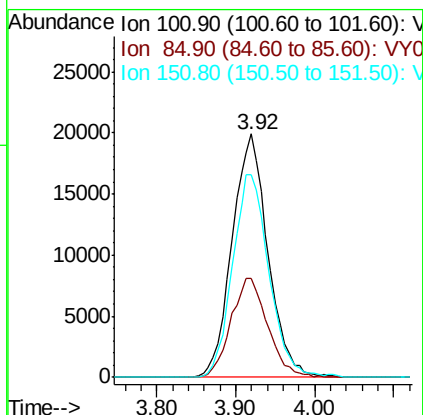
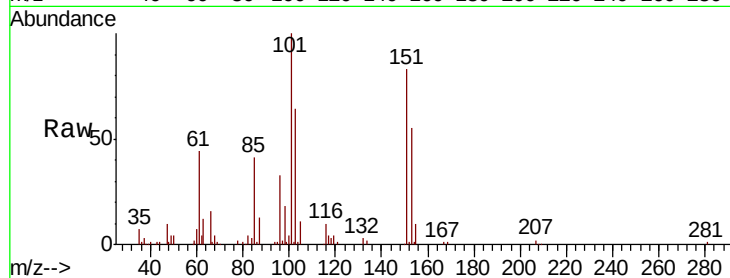
Tot Ion:101 Resp: 62664

Ion Ratio Lower Upper

101 100

85 41.9 33.4 50.2

151 85.1 66.8 100.2



#10

Methyl Iodide

Concen: 18.404 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.00 min

Lab File: VY002621.D

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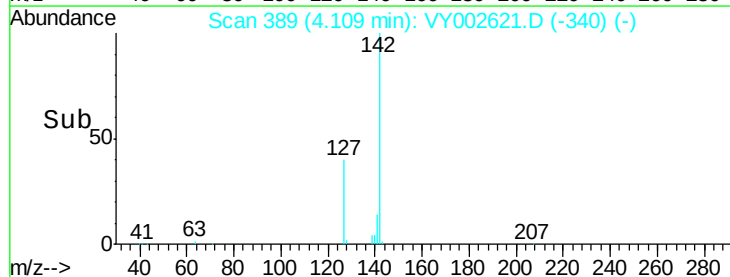
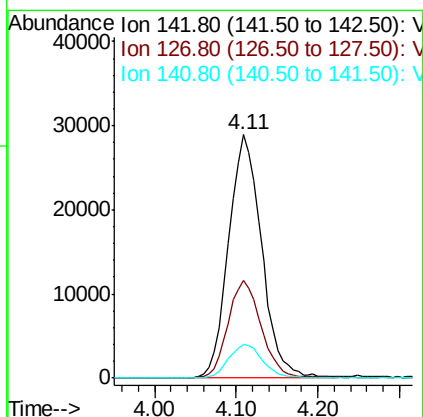
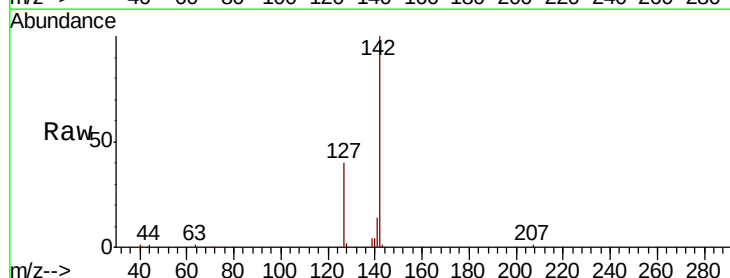
Tgt Ion:142 Resp: 80889

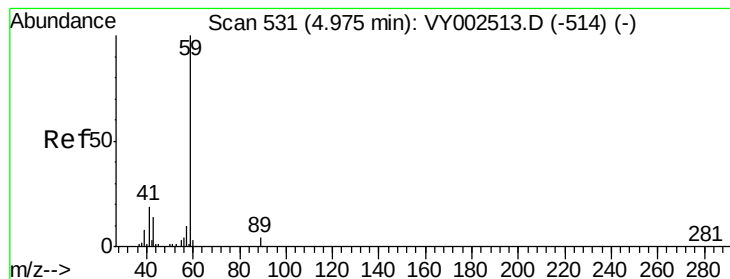
Ion Ratio Lower Upper

142 100

127 40.2 33.7 50.5

141 14.2 11.4 17.0



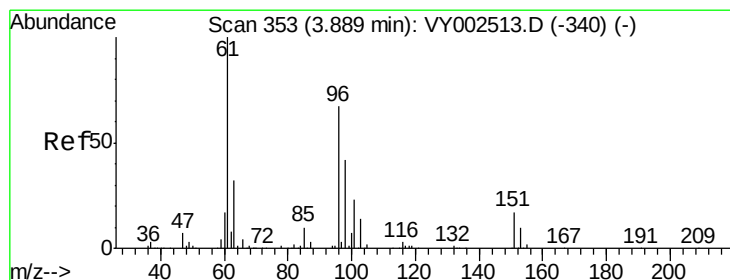
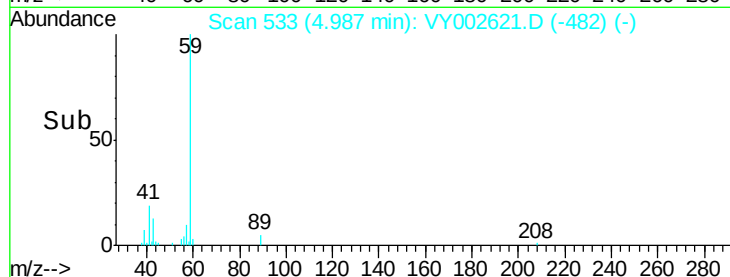
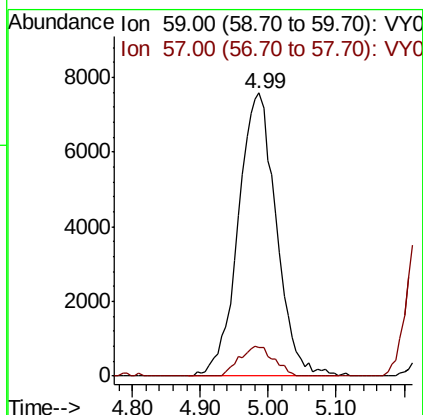
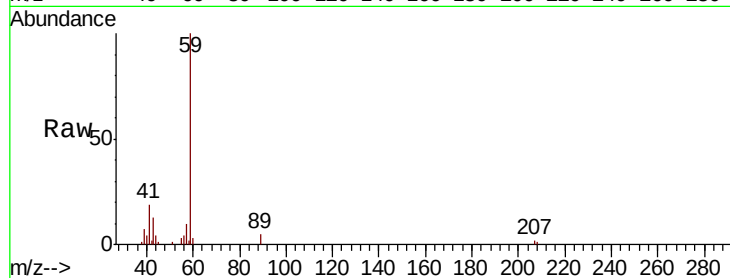


#11

Tert butyl alcohol
 Concen: 93.577 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBS01

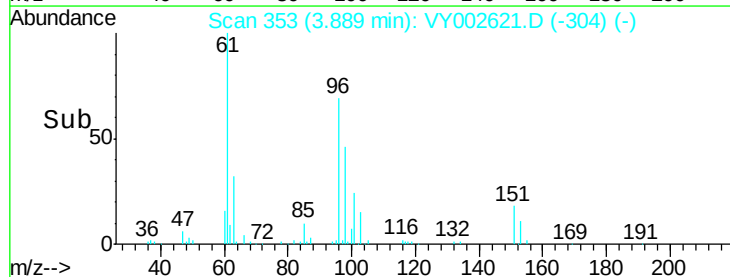
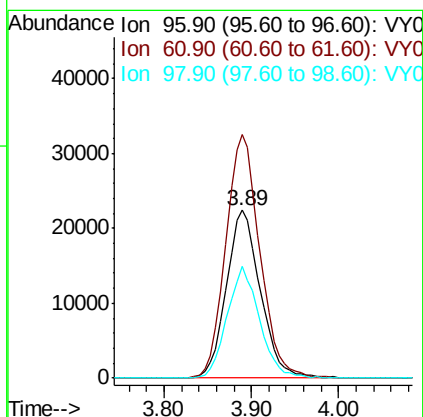
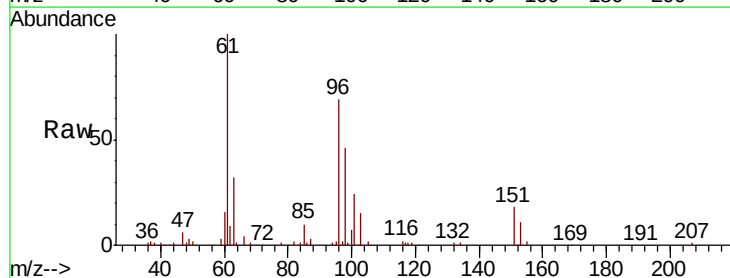
Tot Ion: 59 Resp: 29471
 Ion Ratio Lower Upper
 59 100
 57 9.5 7.8 11.6

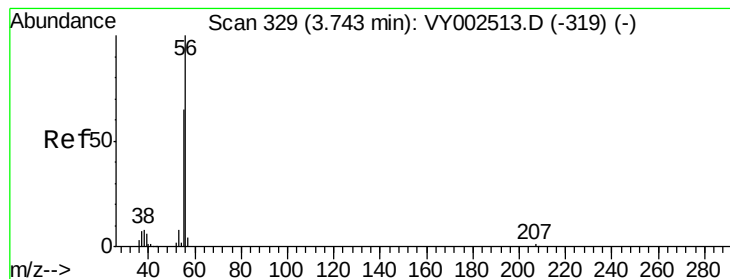


#12

1,1-Dichloroethene
 Concen: 19.355 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion: 96 Resp: 60660
 Ion Ratio Lower Upper
 96 100
 61 145.1 118.8 178.2
 98 66.4 49.6 74.4





#13

Acrolein

Concen: 80.493 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

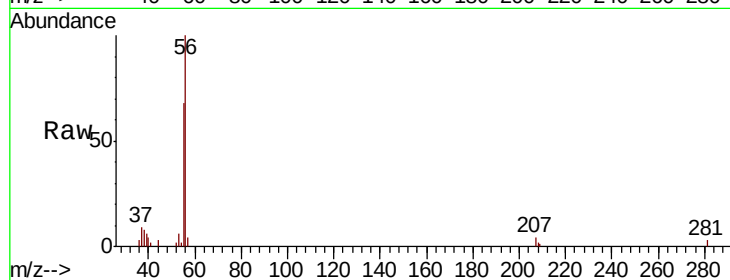
VY0507SBS01

Tot Ion: 56 Resp: 17530

Ion Ratio Lower Upper

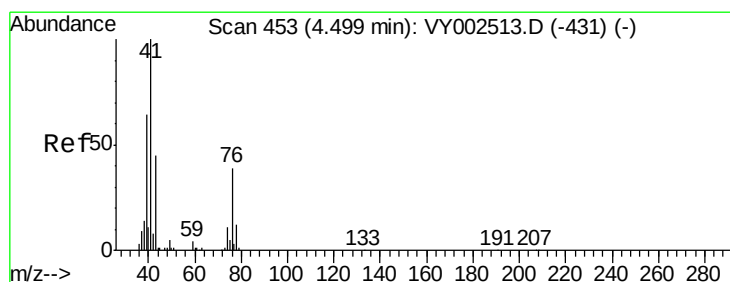
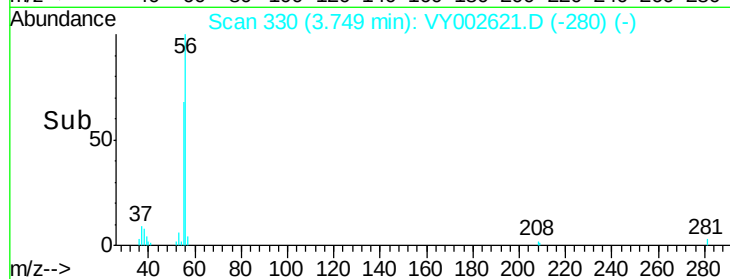
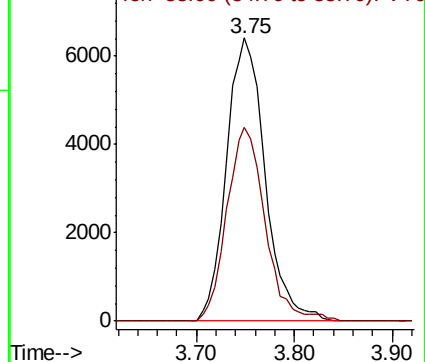
56 100

55 68.1 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 19.963 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

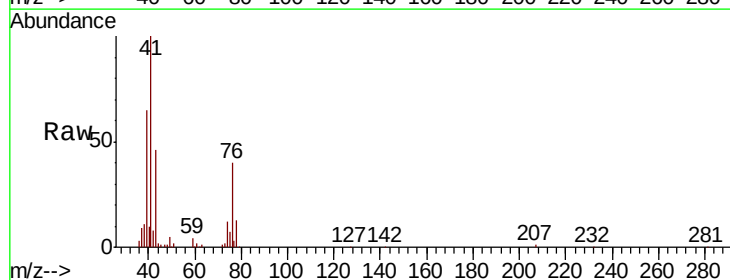
Tgt Ion: 41 Resp: 91158

Ion Ratio Lower Upper

41 100

39 62.3 51.8 77.6

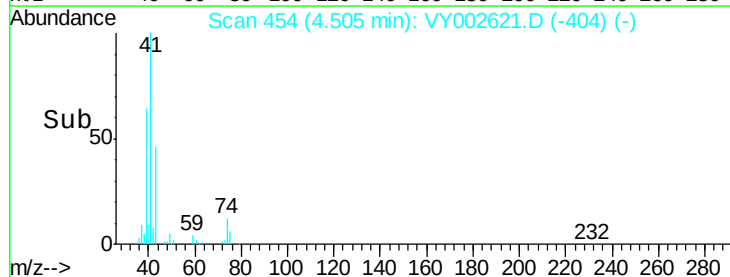
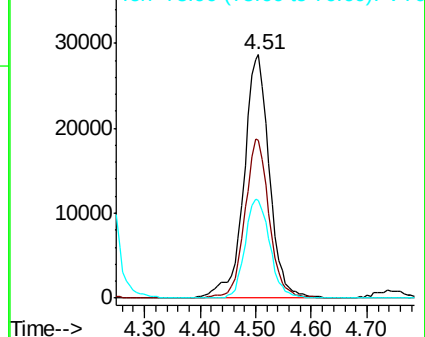
76 39.5 31.7 47.5

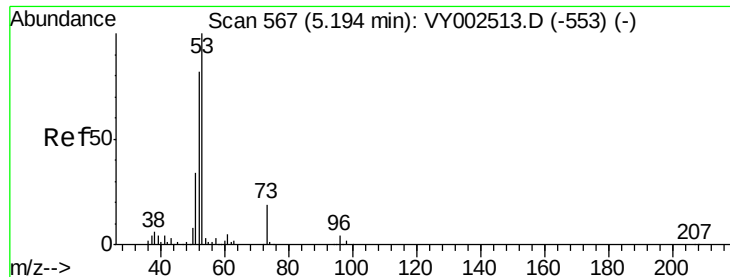


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 98.892 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBSD01

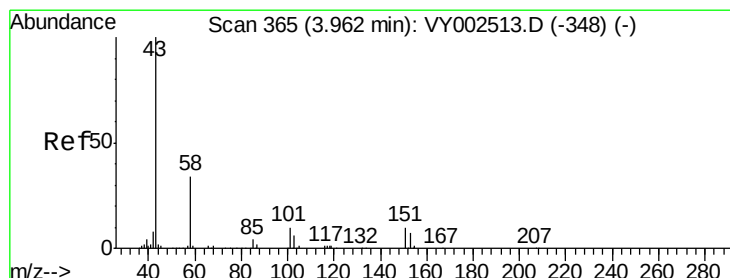
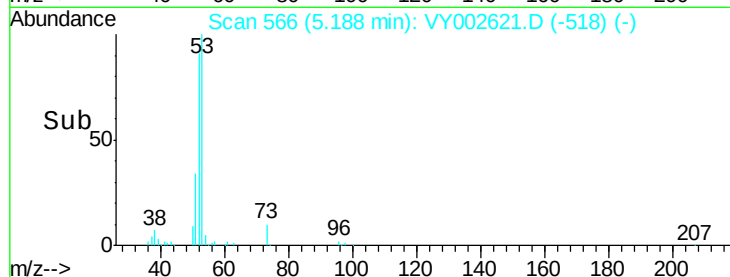
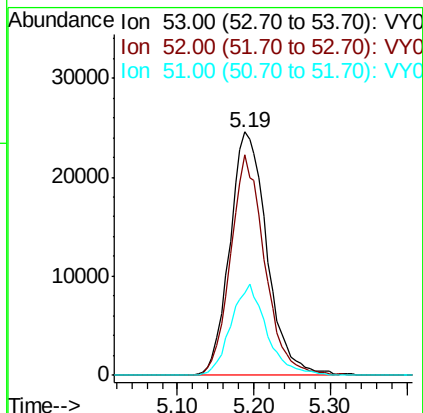
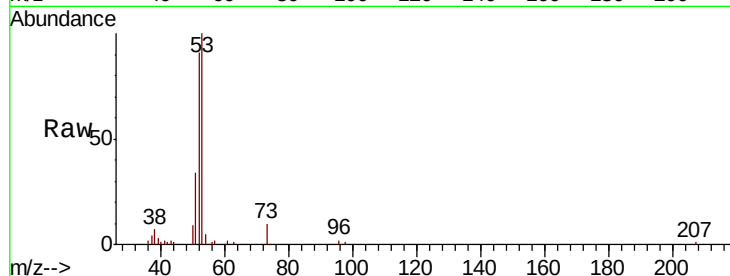
Tot Ion: 53 Resp: 82726

Ion Ratio Lower Upper

53 100

52 83.2 65.4 98.0

51 36.1 28.7 43.1



#16

Acetone

Concen: 92.093 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002621.D

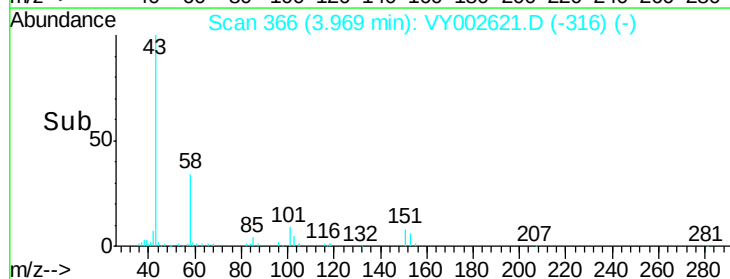
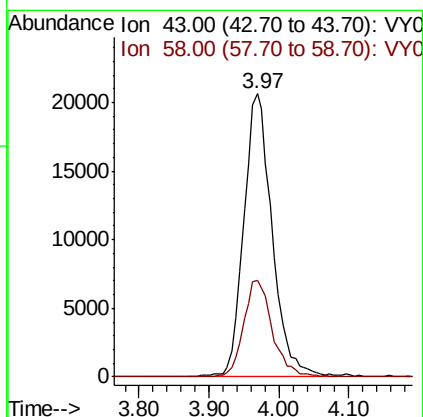
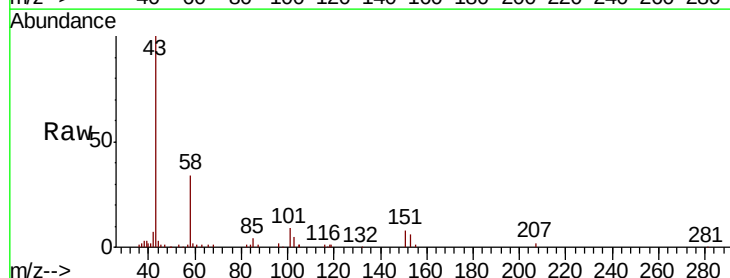
Acq: 07 May 2020 11:25

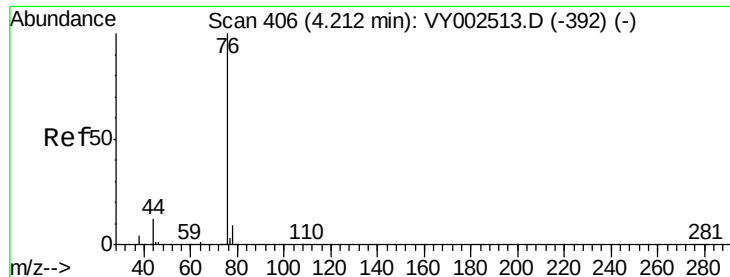
Tgt Ion: 43 Resp: 58180

Ion Ratio Lower Upper

43 100

58 34.2 26.9 40.3





#17

Carbon Disulfide

Concen: 17.557 ug/l

RT: 4.21 min Scan# 406

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

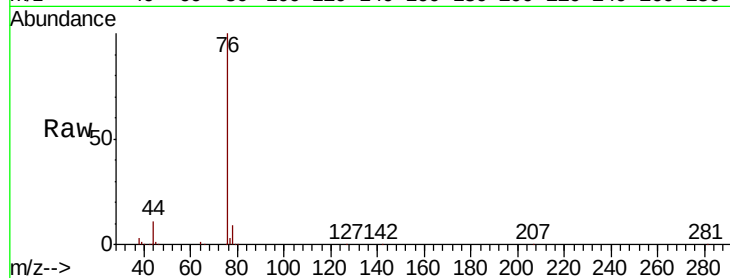
VY0507SBSD01

Tot Ion: 76 Resp: 165538

Ion Ratio Lower Upper

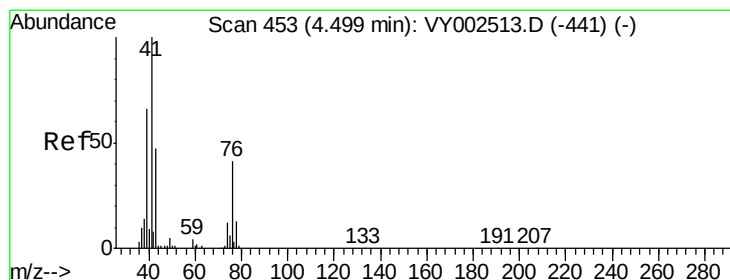
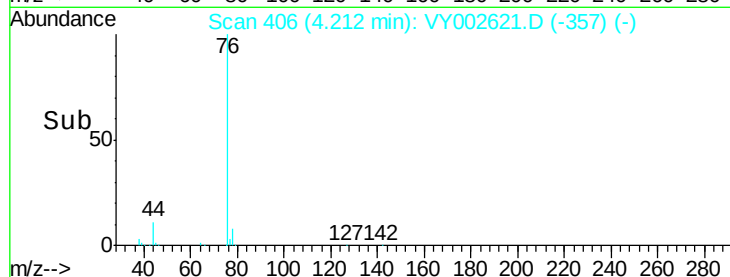
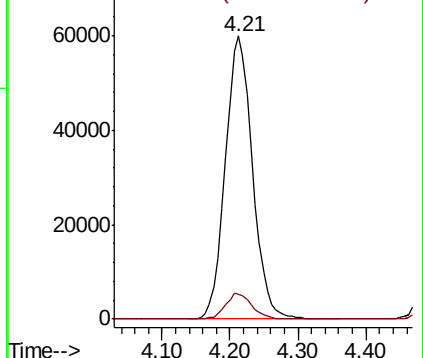
76 100

78 8.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 19.457 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.00 min

Lab File: VY002621.D

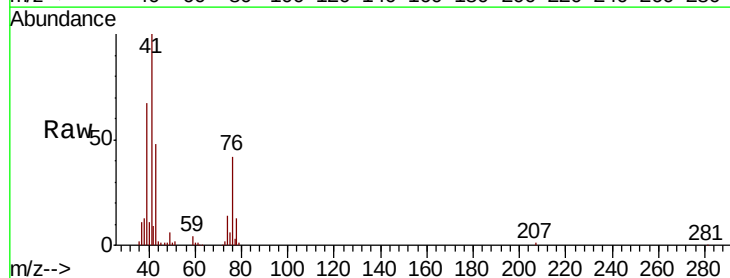
Acq: 07 May 2020 11:25

Tgt Ion: 43 Resp: 41070

Ion Ratio Lower Upper

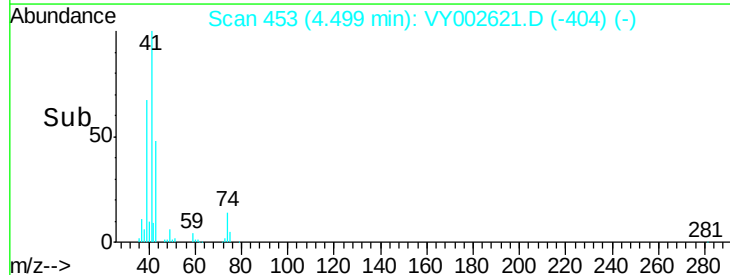
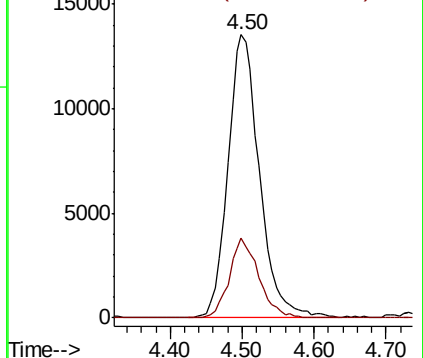
43 100

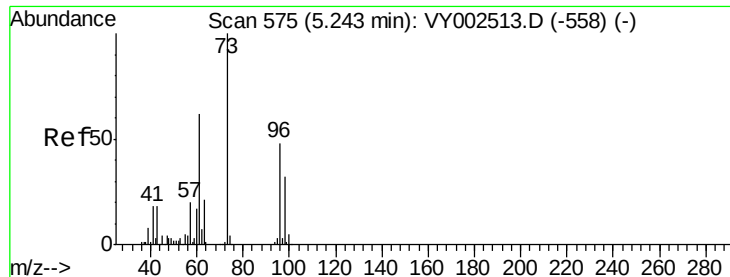
74 26.2 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

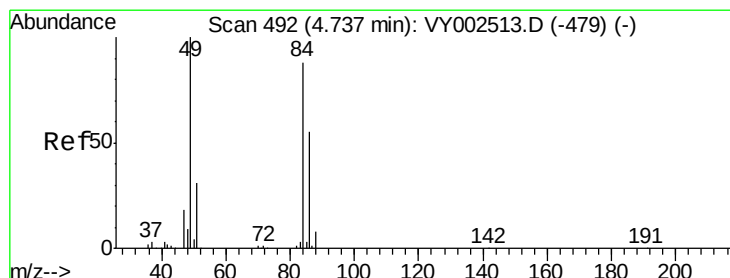
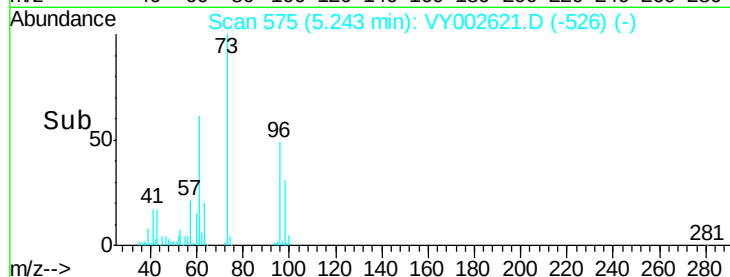
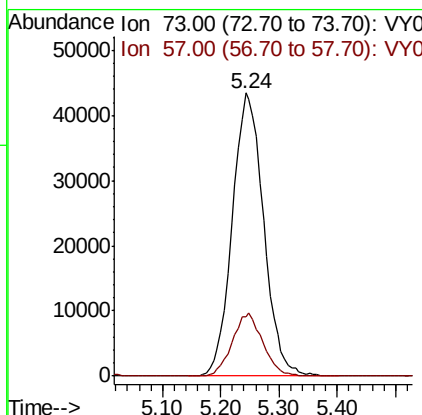
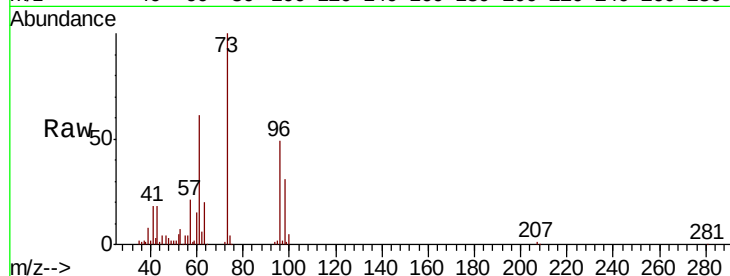




#19
Methyl tert-butyl Ether
Concen: 19.878 ug/l
RT: 5.24 min Scan# 575
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

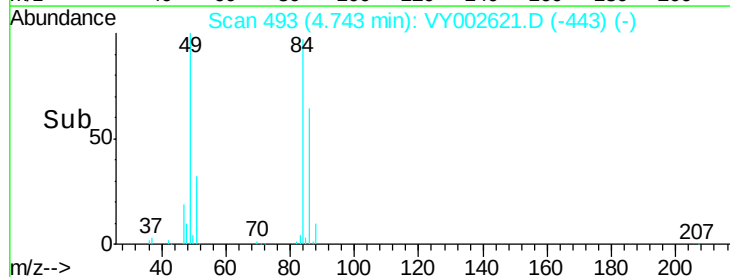
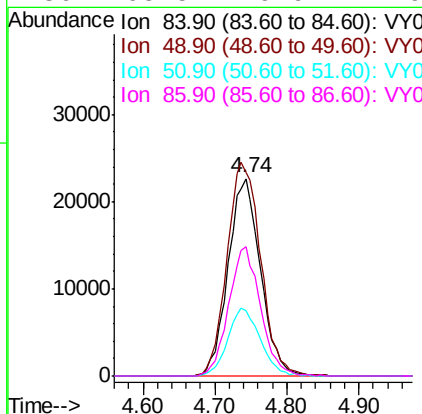
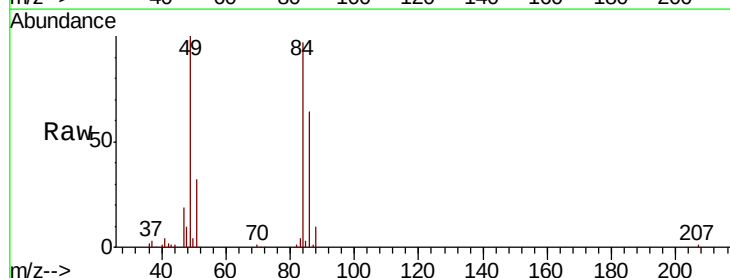
Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBSD01

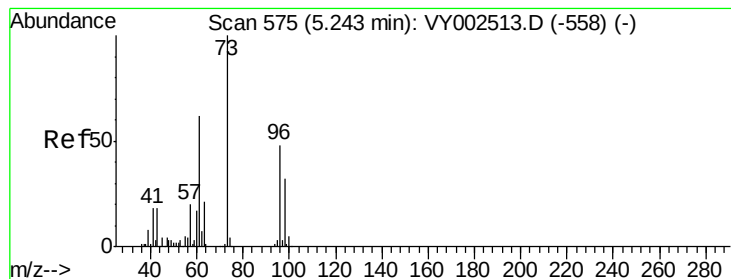
Tot Ion: 73 Resp: 162537
Ion Ratio Lower Upper
73 100
57 21.1 16.3 24.5



#20
Methylene Chloride
Concen: 20.052 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion: 84 Resp: 70842
Ion Ratio Lower Upper
84 100
49 103.2 90.5 135.7
51 33.0 28.3 42.5
86 65.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.490 ug/l

RT: 5.24 min Scan# 575

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBSD01

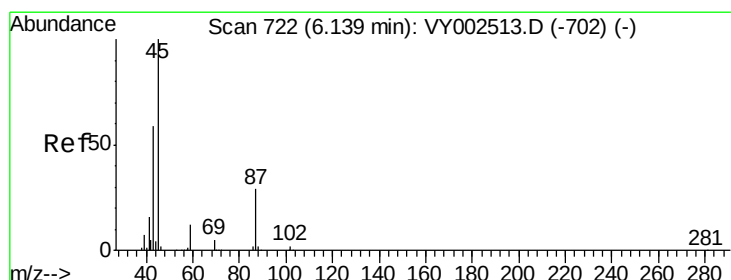
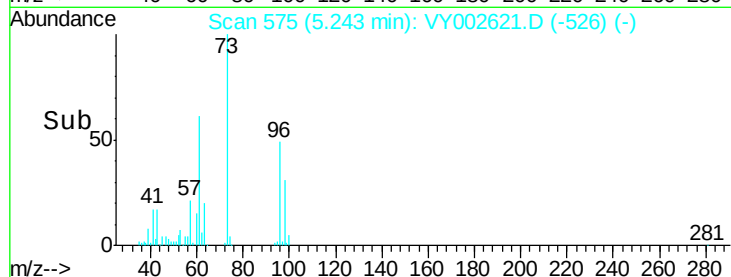
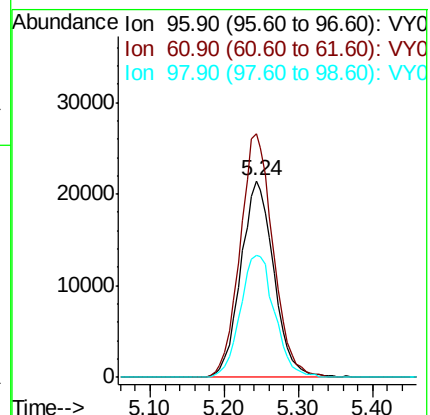
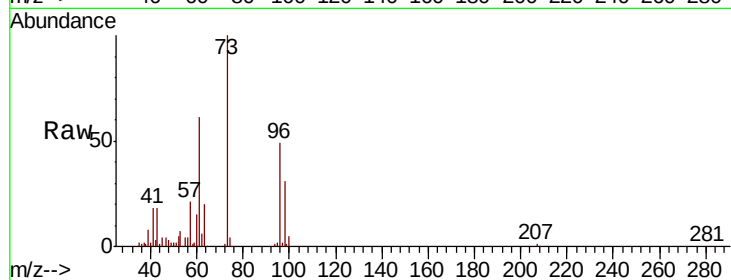
Tot Ion: 96 Resp: 66763

Ion Ratio Lower Upper

96 100

61 124.0 102.0 153.0

98 62.3 53.0 79.4



#22

Diisopropyl ether

Concen: 20.660 ug/l

RT: 6.14 min Scan# 722

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Tgt Ion: 45 Resp: 190885

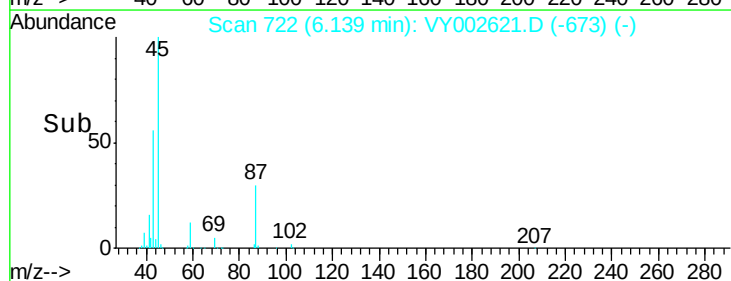
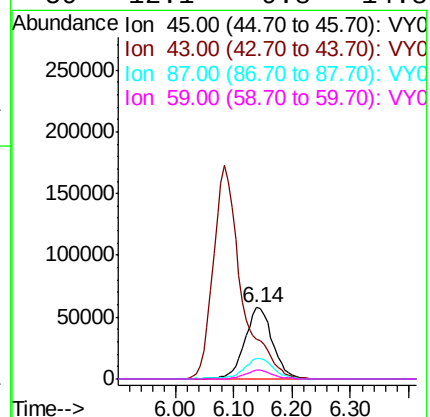
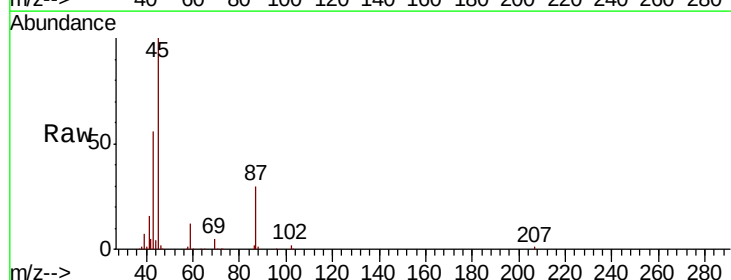
Ion Ratio Lower Upper

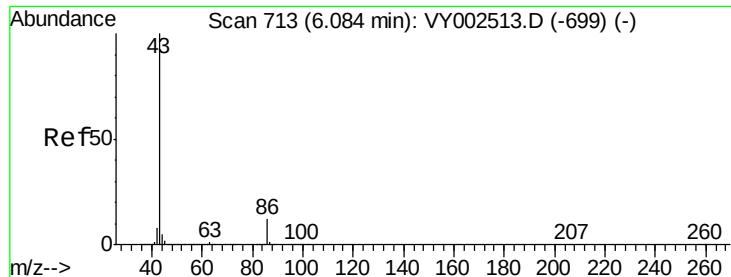
45 100

43 56.0 47.4 71.0

87 29.6 24.0 36.0

59 12.1 9.8 14.8





#23

Vinyl Acetate

Concen: 99.097 ug/l

RT: 6.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

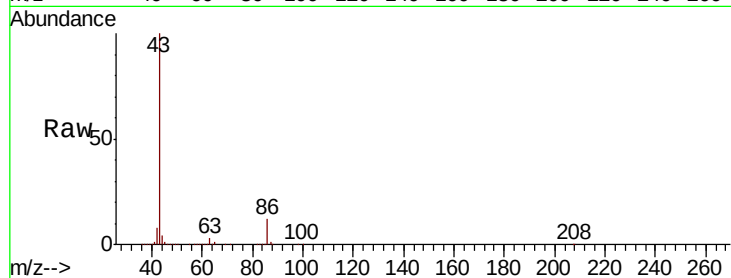
VY0507SBS01

Tot Ion: 43 Resp: 575824

Ion Ratio Lower Upper

43 100

86 11.5 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

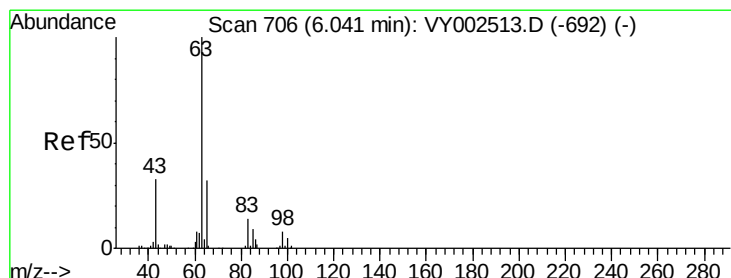
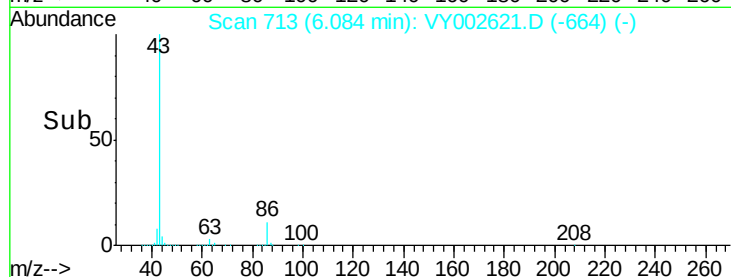
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 20.102 ug/l

RT: 6.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

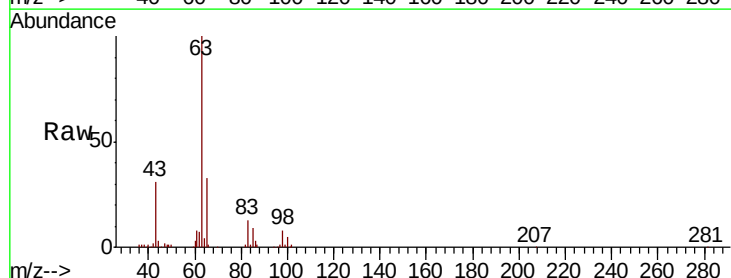
Tgt Ion: 63 Resp: 109880

Ion Ratio Lower Upper

63 100

98 8.1 3.9 11.7

100 5.0 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.04

40000

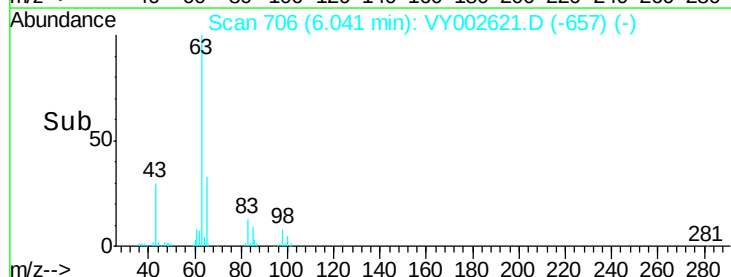
30000

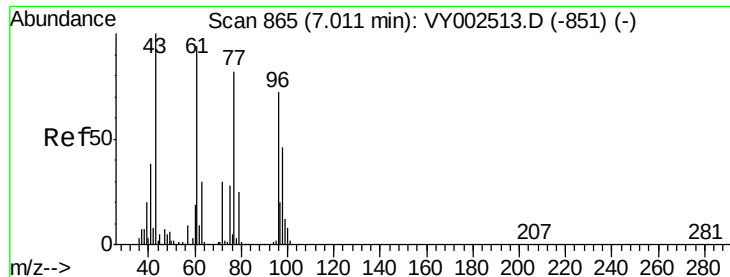
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 95.475 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

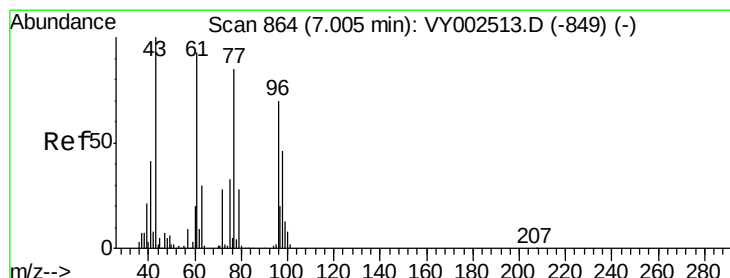
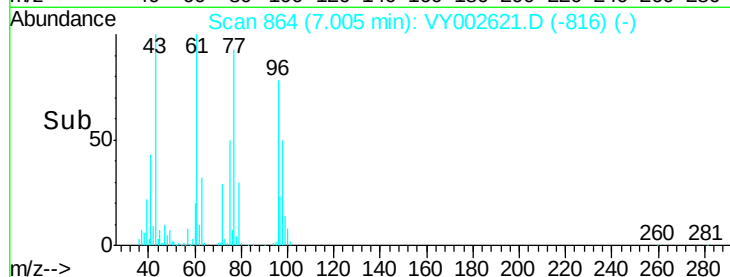
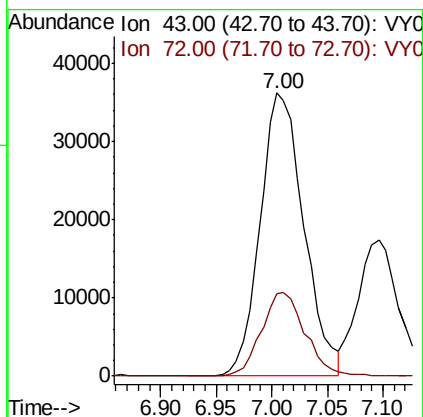
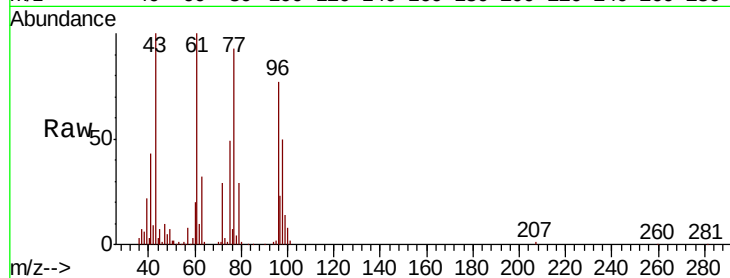
VY0507SBSD01

Tot Ion: 43 Resp: 98735

Ion Ratio Lower Upper

43 100

72 29.0 24.1 36.1



#26

2,2-Dichloropropane

Concen: 19.514 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY002621.D

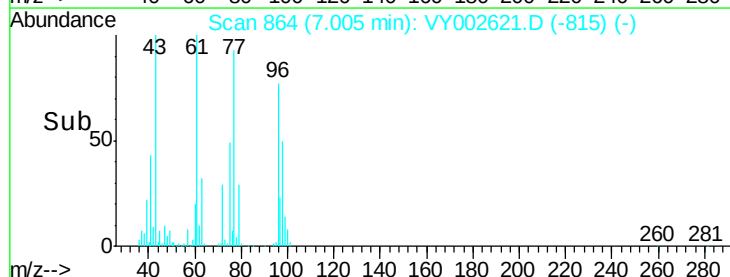
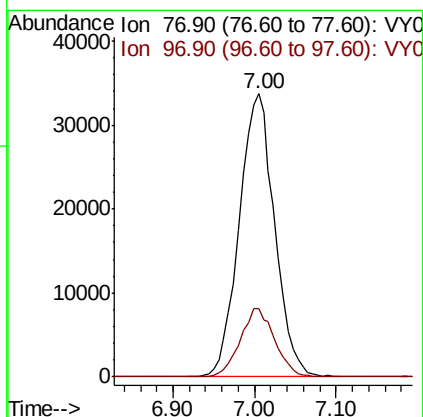
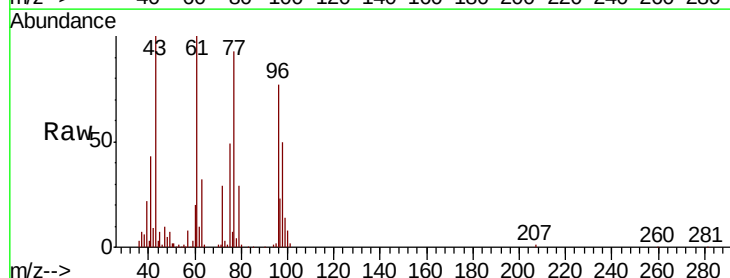
Acq: 07 May 2020 11:25

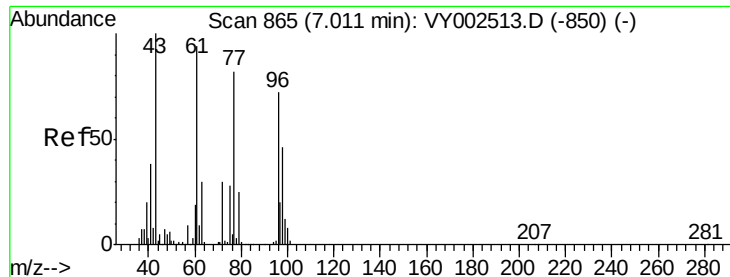
Tgt Ion: 77 Resp: 101387

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.5



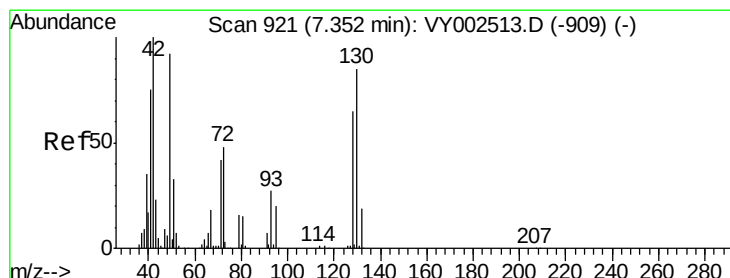
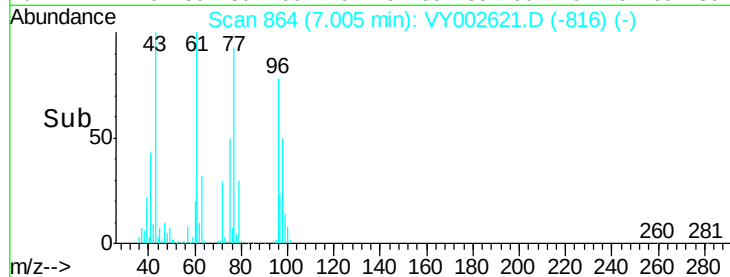
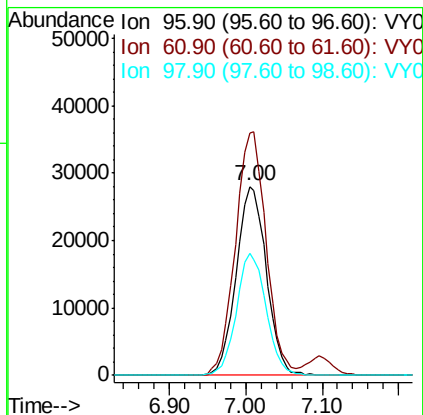
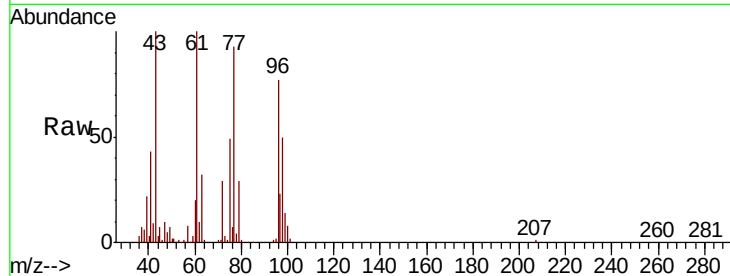


#27

cis-1,2-Dichloroethene
 Concen: 20.190 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBSD01

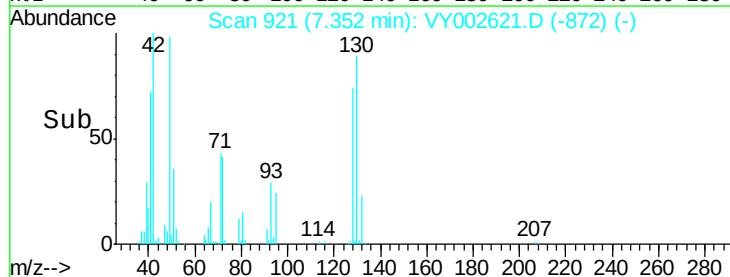
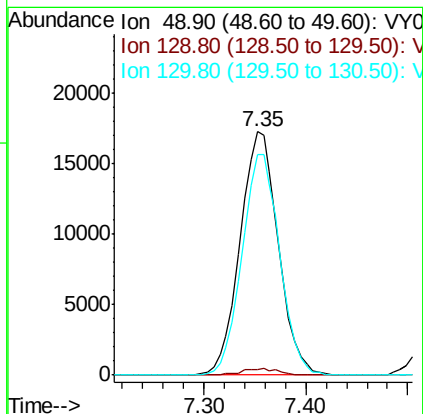
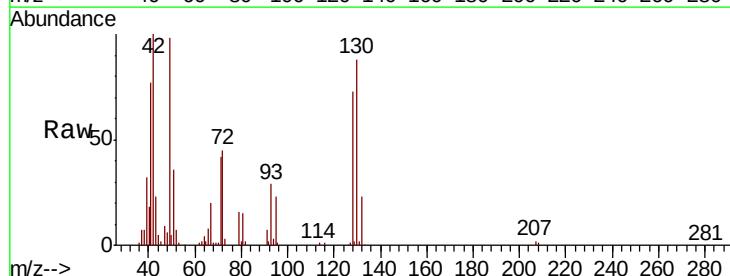
Tot Ion	96	Resp	76524
Ion	Ratio	Lower	Upper
96	100		
61	131.6	0.0	266.6
98	63.6	0.0	129.2

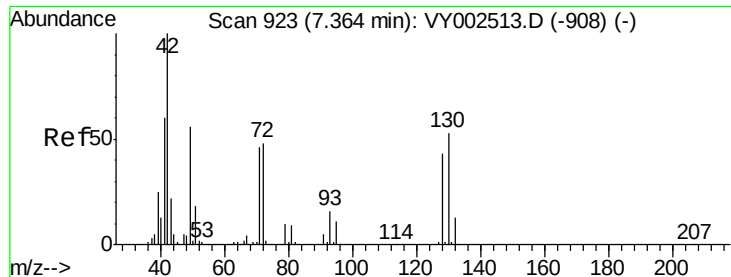


#28

Bromochloromethane
 Concen: 19.975 ug/l
 RT: 7.35 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion	49	Resp	44736
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	89.6	72.5	108.7





#29

Tetrahydrofuran

Concen: 99.157 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBS01

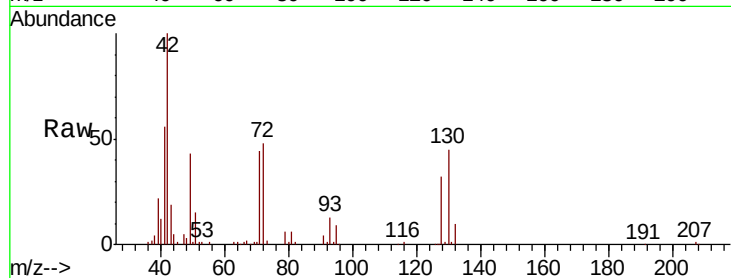
Tot Ion: 42 Resp: 67844

Ion Ratio Lower Upper

42 100

72 47.6 37.4 56.2

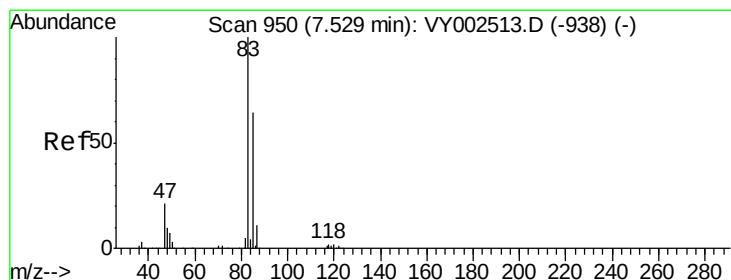
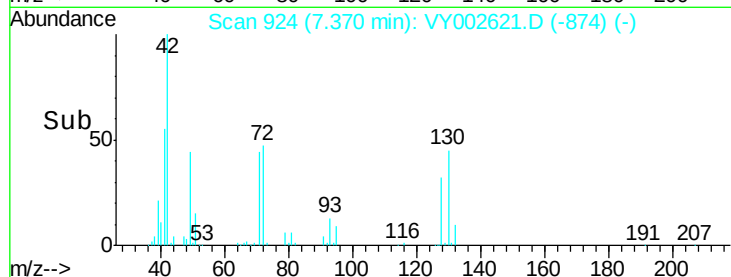
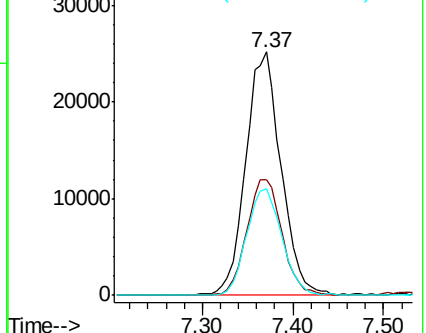
71 43.8 35.0 52.4



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: 19.949 ug/l

RT: 7.53 min Scan# 950

Delta R.T. 0.00 min

Lab File: VY002621.D

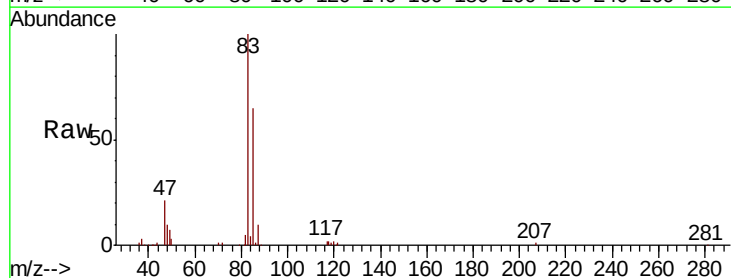
Acq: 07 May 2020 11:25

Tgt Ion: 83 Resp: 113379

Ion Ratio Lower Upper

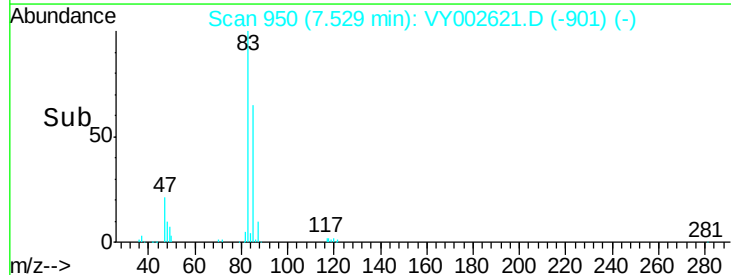
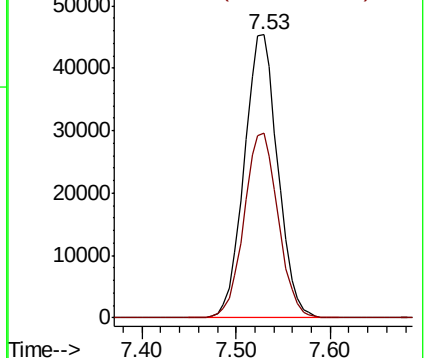
83 100

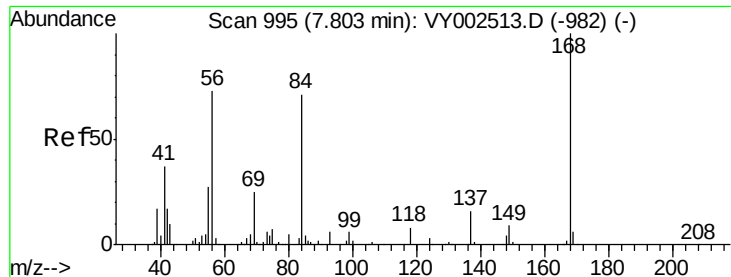
85 65.4 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

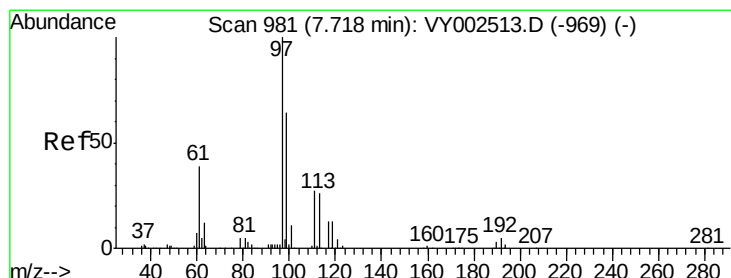
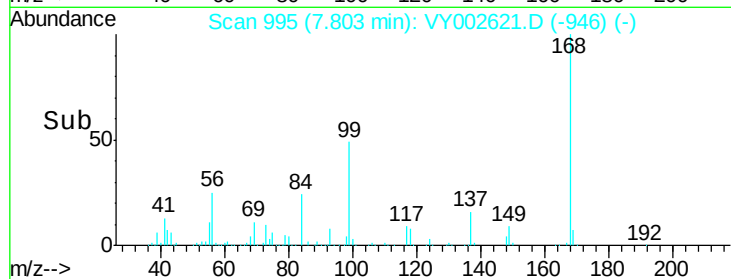
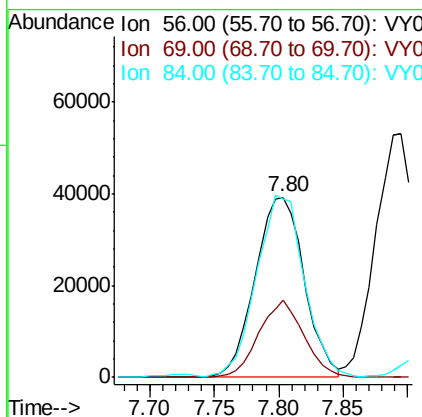
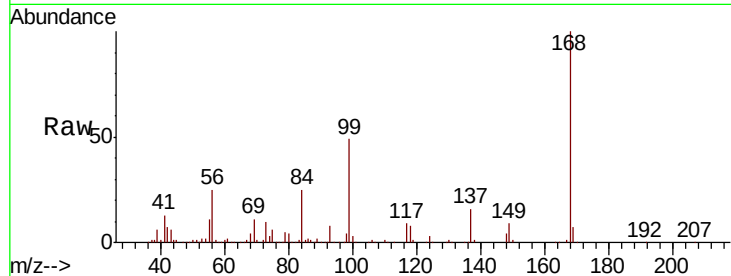




#31
Cyclohexane
Concen: 18.830 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

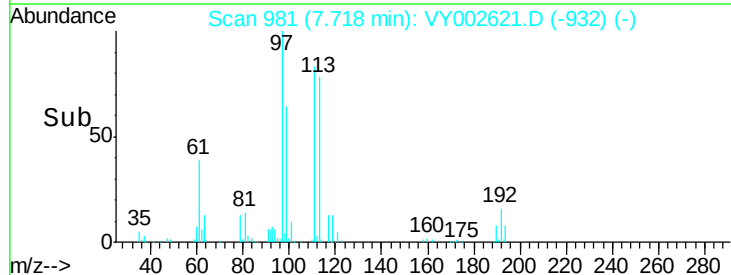
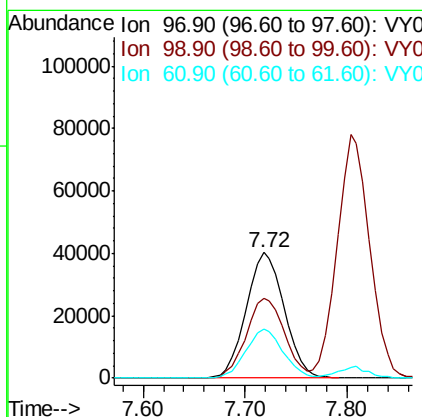
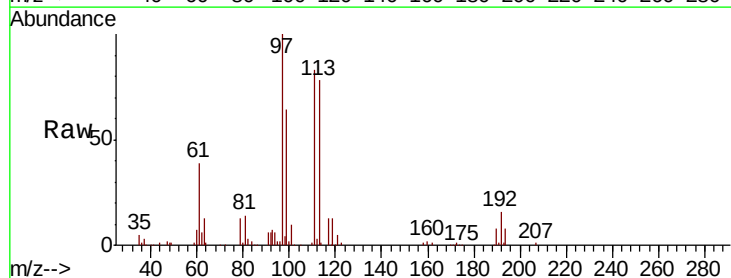
Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBSD01

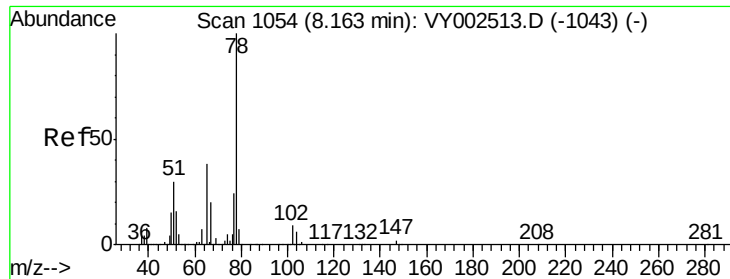
Tot Ion: 56 Resp: 103603
Ion Ratio Lower Upper
56 100
69 42.8 27.6 41.4#
84 97.5 77.7 116.5



#32
1,1,1-Trichloroethane
Concen: 19.731 ug/l
RT: 7.72 min Scan# 981
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion: 97 Resp: 104230
Ion Ratio Lower Upper
97 100
99 64.1 51.9 77.9
61 38.0 31.0 46.6

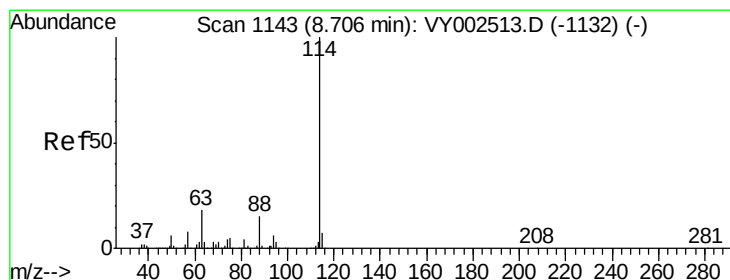
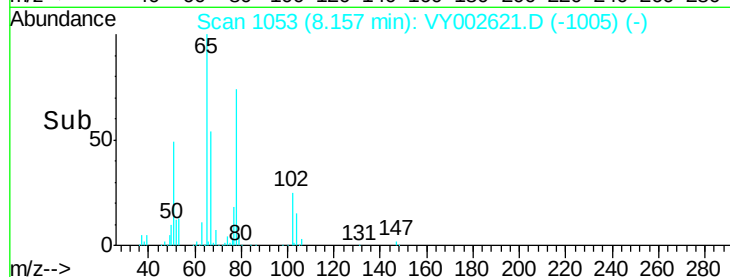
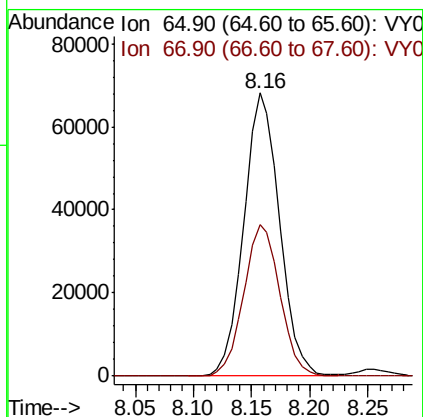
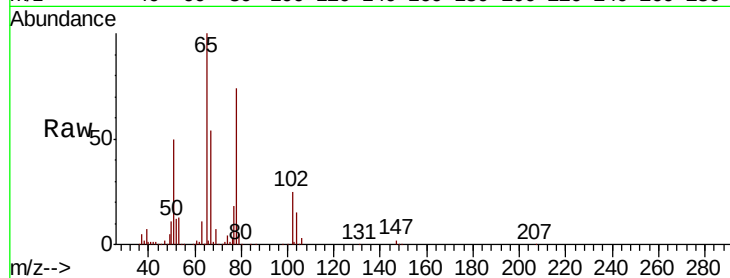




#33
 1,2-Dichloroethane-d4
 Concen: 47.676 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

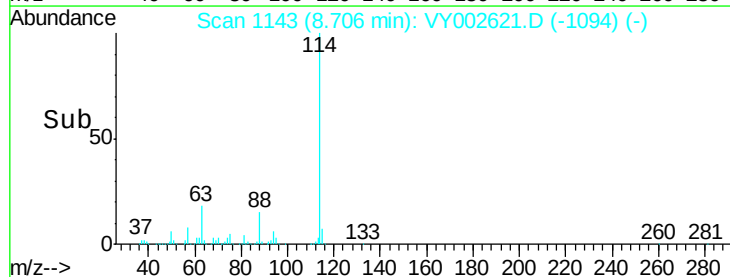
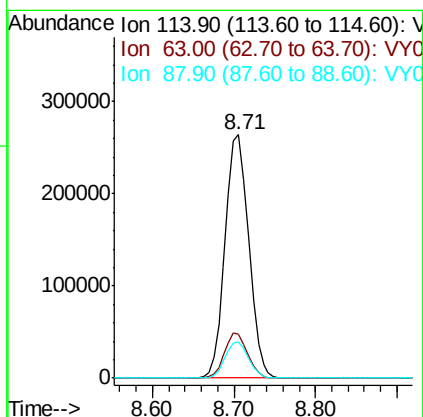
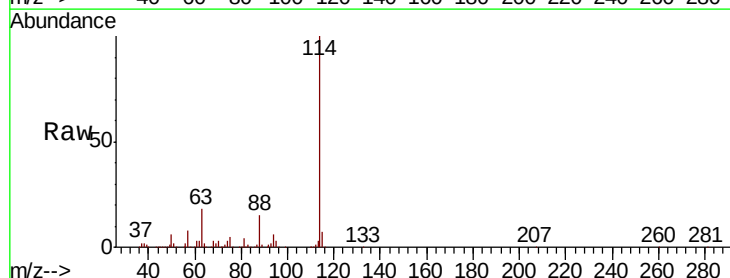
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBSD01

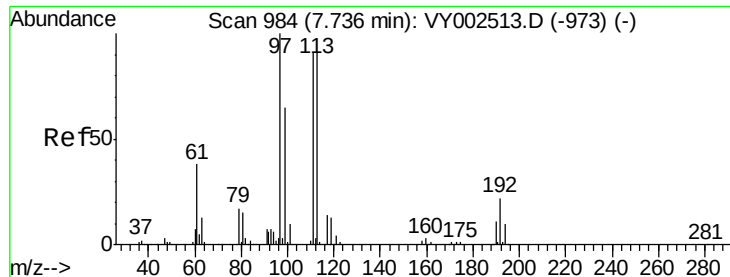
Tot Ion: 65 Resp: 145943
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion: 114 Resp: 527806
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.4
 88 14.7 0.0 29.6

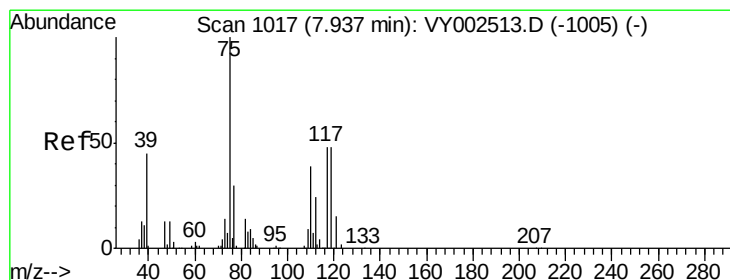
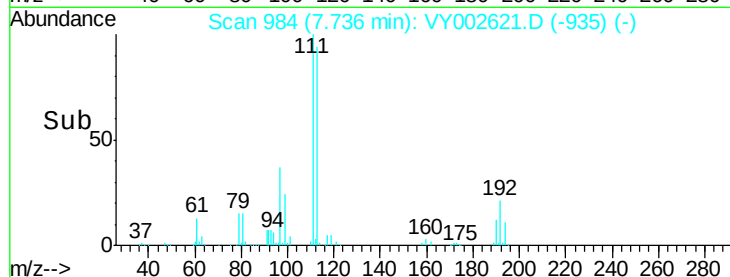
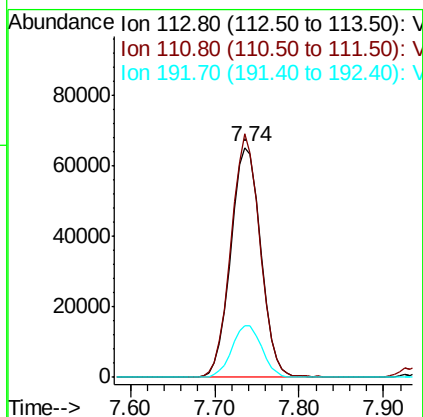
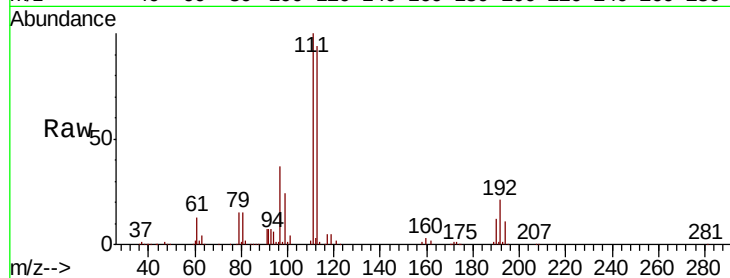




#35
 Dibromofluoromethane
 Concen: 52.102 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

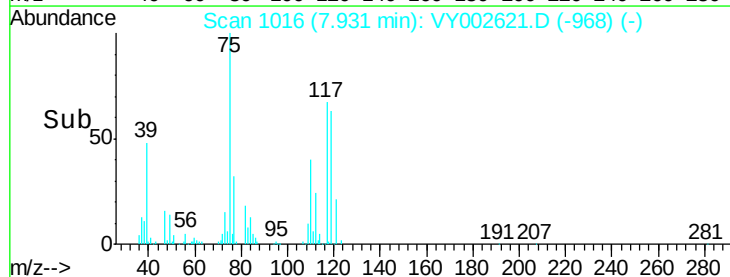
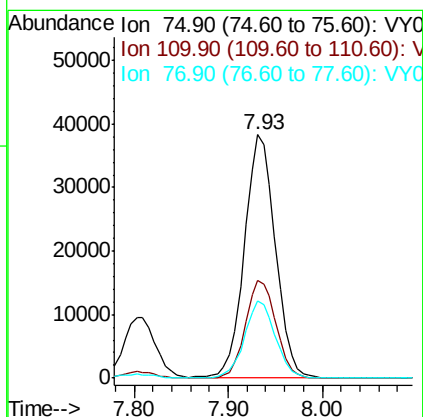
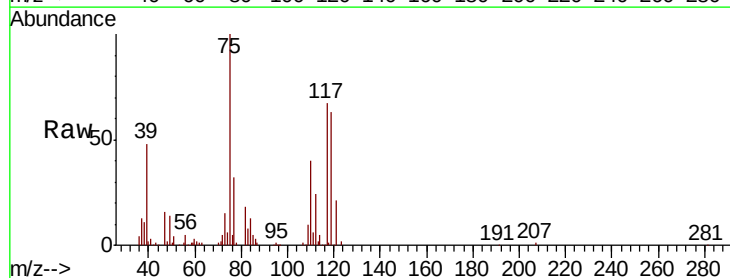
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBSD01

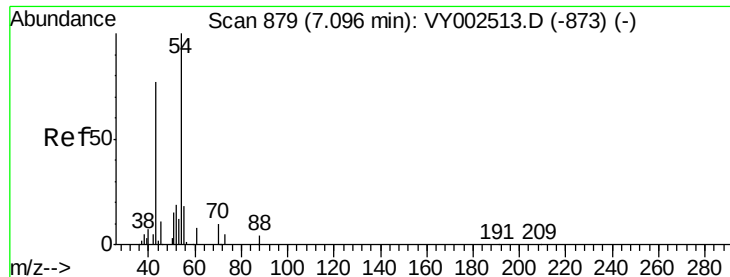
Tot Ion:113 Resp: 157271
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.8 122.6
 192 22.5 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 19.968 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion: 75 Resp: 88353
 Ion Ratio Lower Upper
 75 100
 110 39.3 19.1 57.3
 77 31.6 24.6 37.0

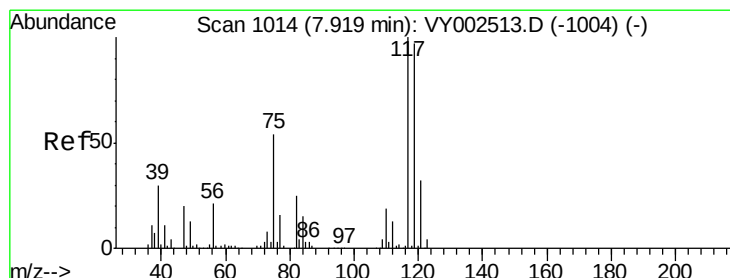
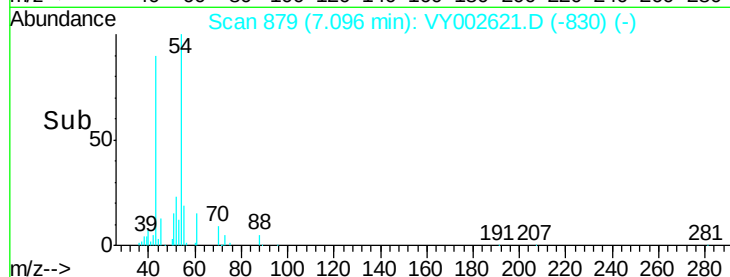
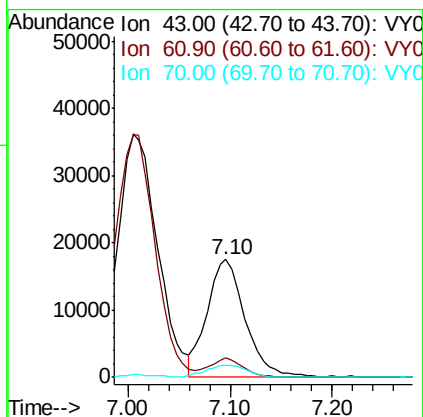
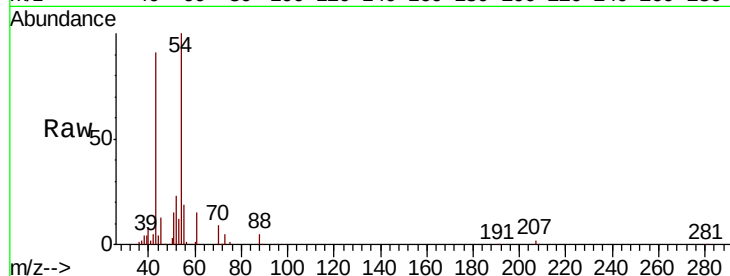




#37
Ethyl Acetate
Concen: 19.896 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

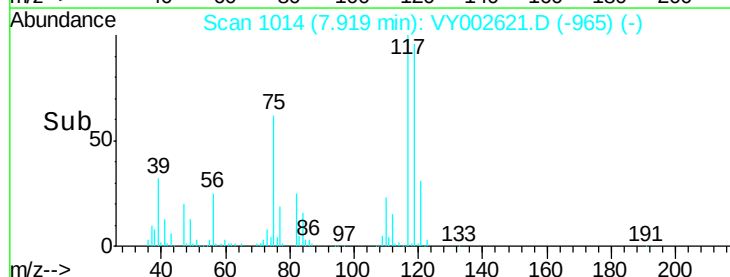
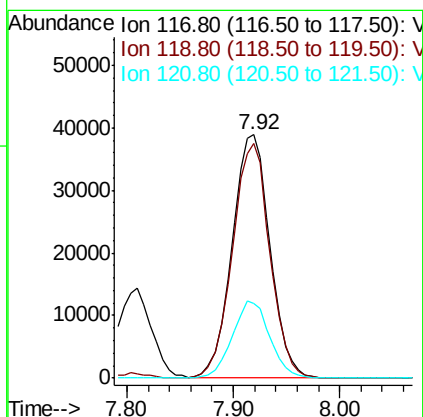
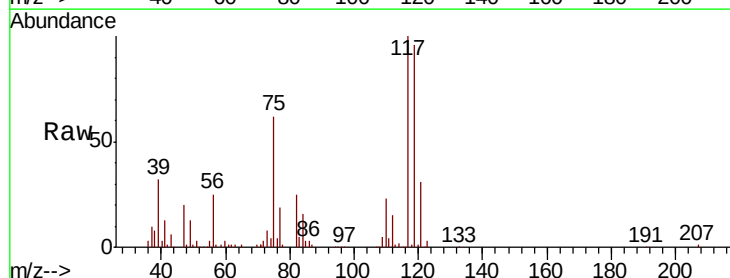
Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBSD01

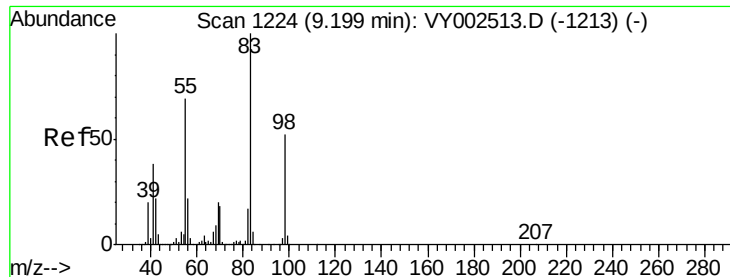
Tot Ion	43	Resp	45237
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.6	17.4
70	11.6	9.0	13.6



#38
Carbon Tetrachloride
Concen: 20.060 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	117	Resp	96901
Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.1	115.7
121	30.6	25.2	37.8

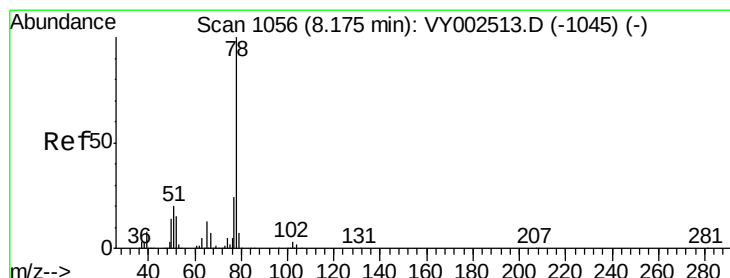
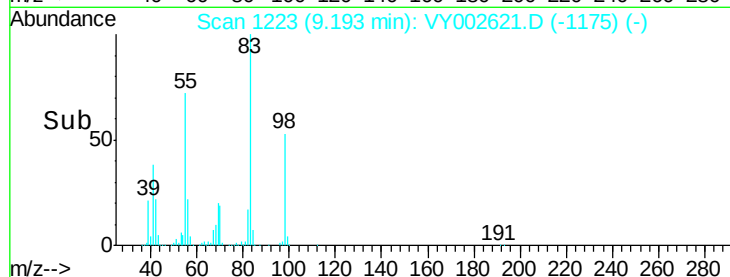
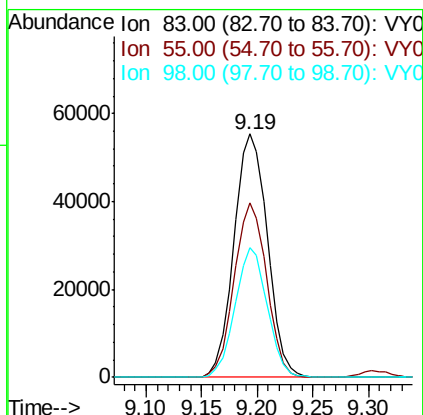
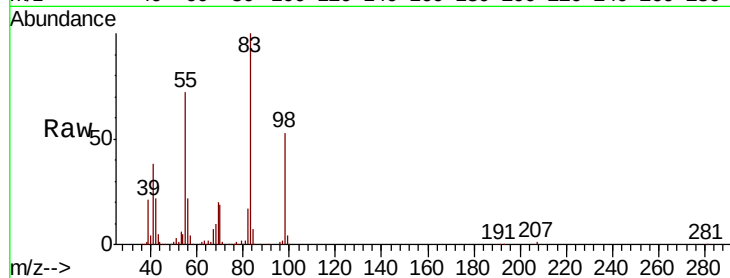




#39
Methylvlcyclohexane
Concen: 19.682 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

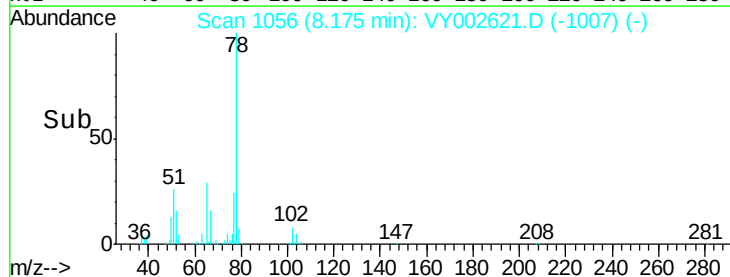
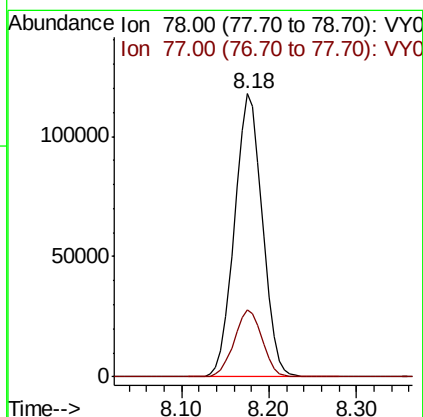
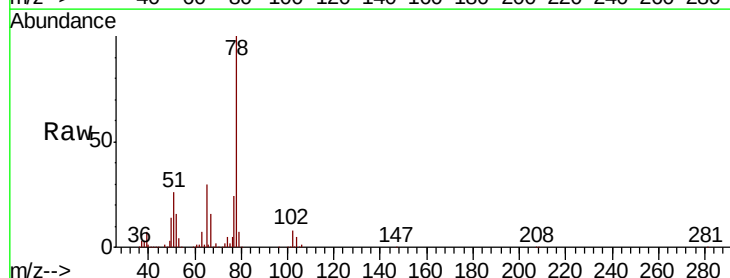
Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBSD01

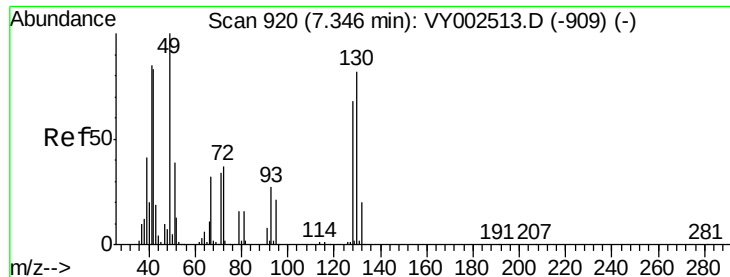
Tot Ion: 83 Resp: 115021
Ion Ratio Lower Upper
83 100
55 71.7 55.4 83.0
98 53.2 41.3 61.9



#40
Benzene
Concen: 20.426 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion: 78 Resp: 261027
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8

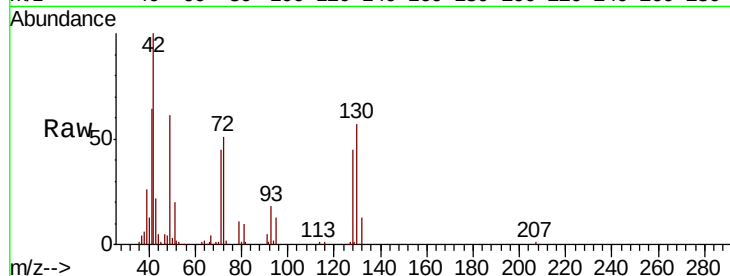




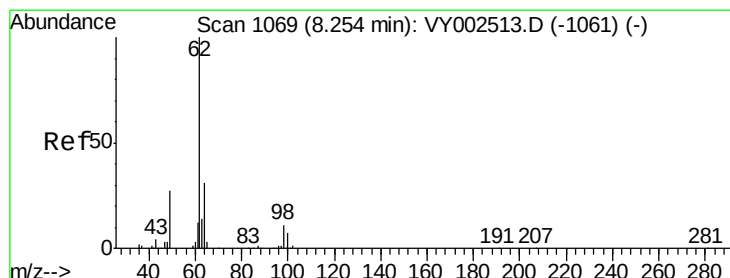
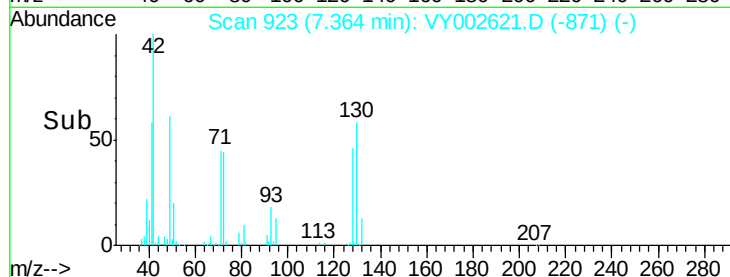
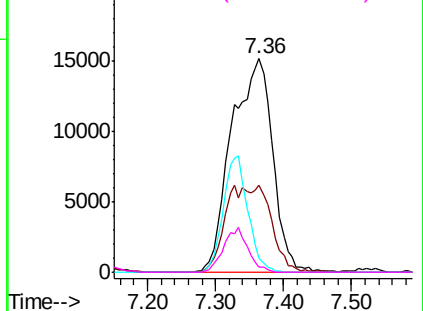
#41
Methacrylonitrile
Concen: 51.961 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.02 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBSD01

Tot Ion:	41	Resp:	63523
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

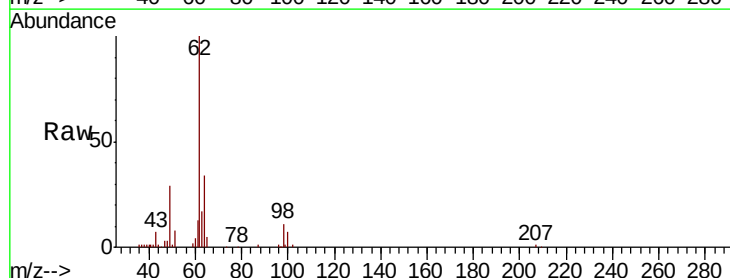


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

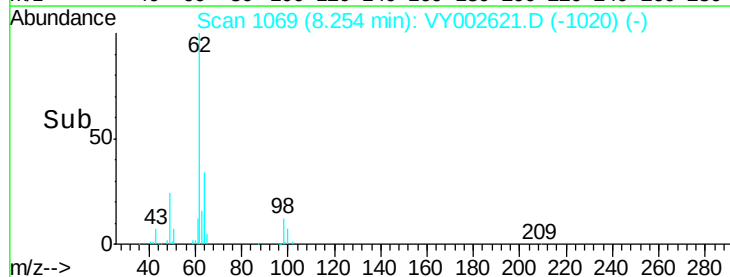
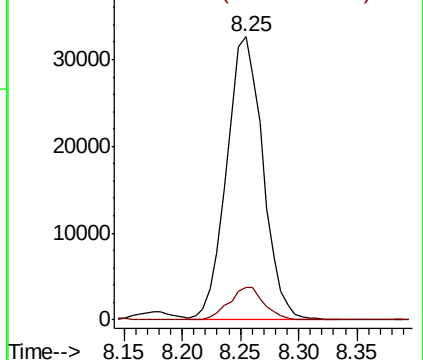


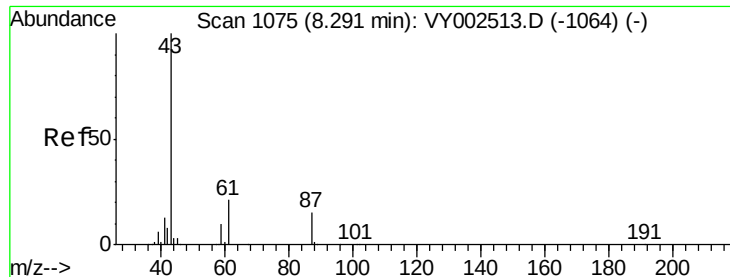
#42
1,2-Dichloroethane
Concen: 19.758 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion:	62	Resp:	70823
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.0



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





#43

Isopropyl Acetate

Concen: 20.199 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBS01

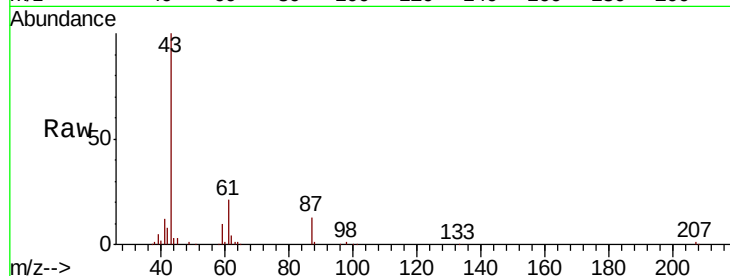
Tot Ion: 43 Resp: 86099

Ion Ratio Lower Upper

43 100

61 31.4 24.8 37.2

87 14.8 12.2 18.2

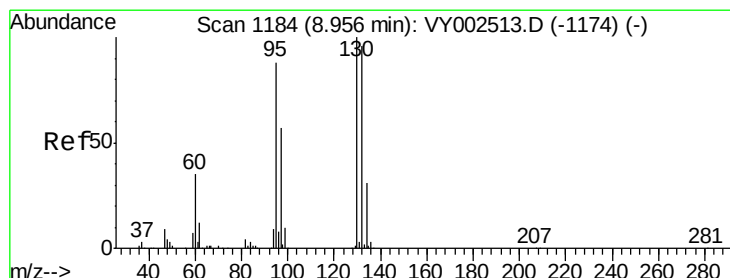
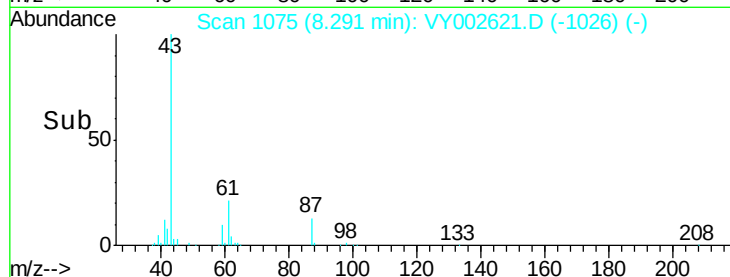


Abundance Ion 43.00 (42.70 to 43.70): VY002621.D (-1064) (-)

Ion 61.00 (60.70 to 61.70): VY002621.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY002621.D (-1064) (-)

Time-->



#44

Trichloroethene

Concen: 21.161 ug/l

RT: 8.95 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VY002621.D

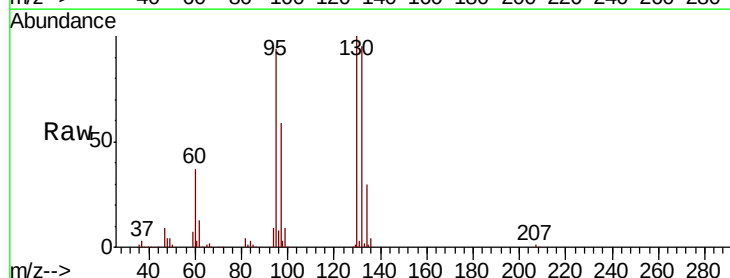
Acq: 07 May 2020 11:25

Tgt Ion: 130 Resp: 84511

Ion Ratio Lower Upper

130 100

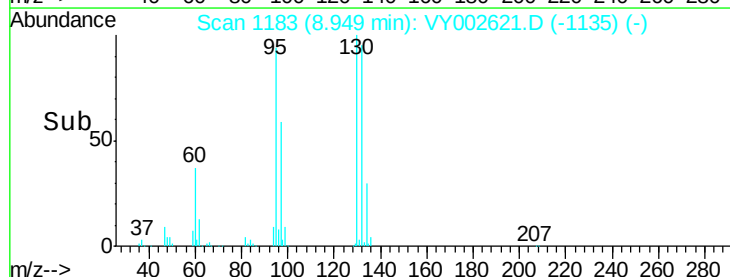
95 93.8 0.0 175.8

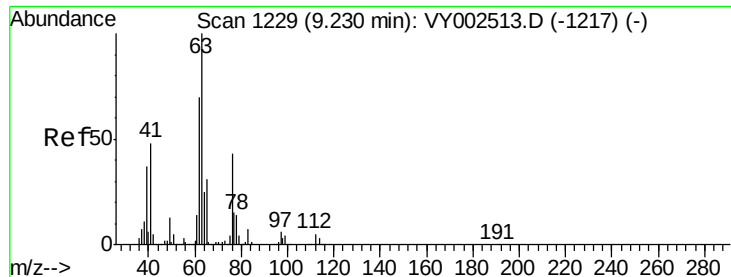


Abundance Ion 129.80 (129.50 to 130.50): VY002621.D (-1135) (-)

Ion 94.90 (94.60 to 95.60): VY002621.D (-1135) (-)

Time-->

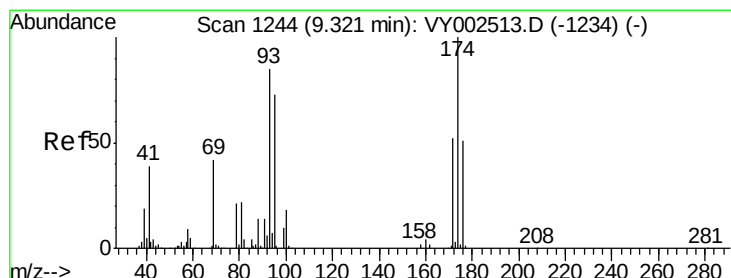
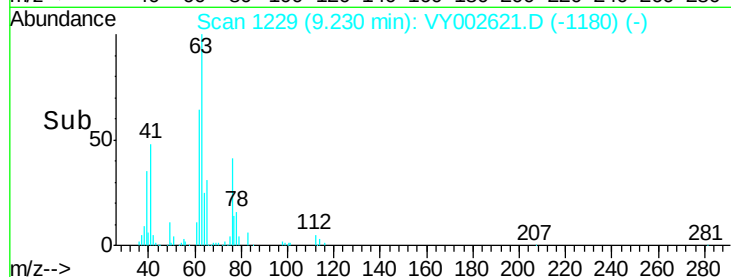
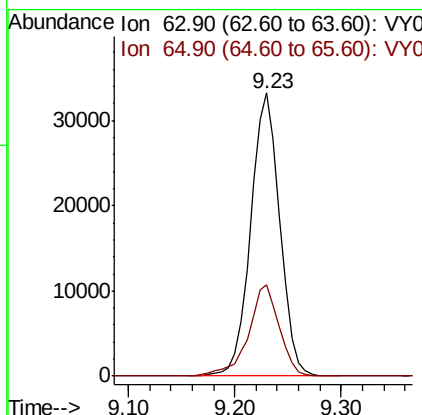
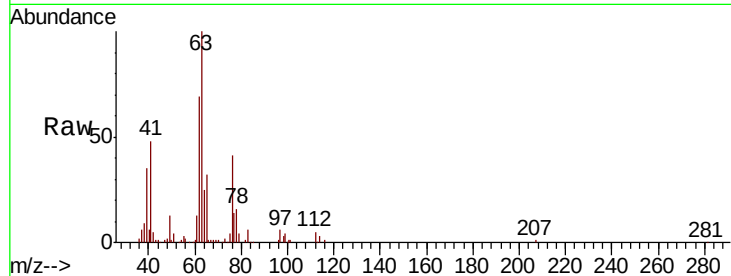




#45
 1,2-Dichloropropane
 Concen: 20.651 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

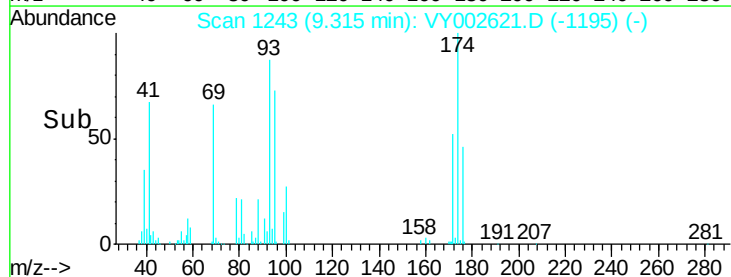
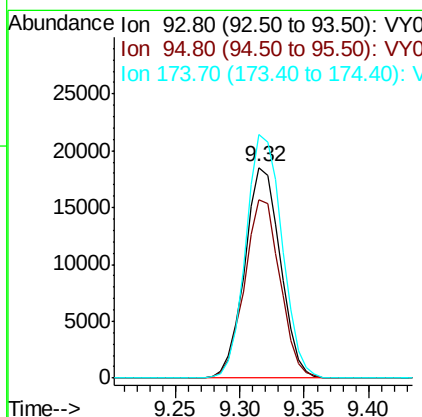
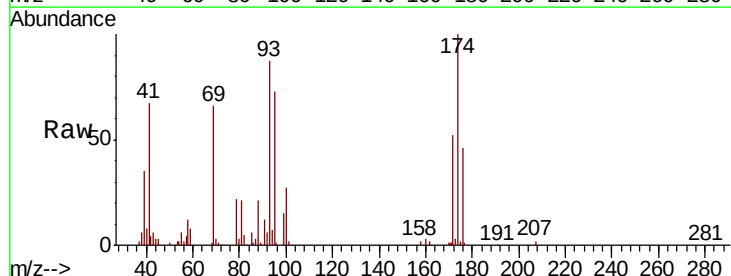
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBS01

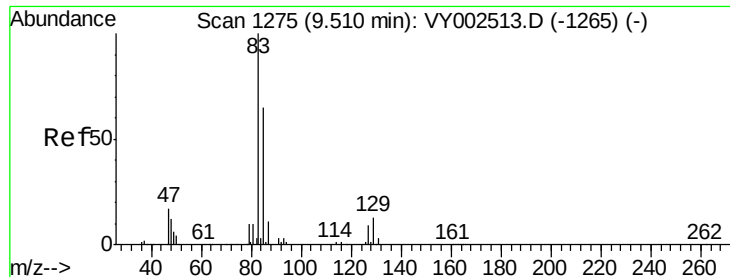
Tot Ion: 63 Resp: 63691
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.5 36.7



#46
 Dibromomethane
 Concen: 19.914 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion: 93 Resp: 35338
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.0 100.4
 174 117.4 92.7 139.1





#47

Bromodichloromethane

Concen: 20.432 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBSD01

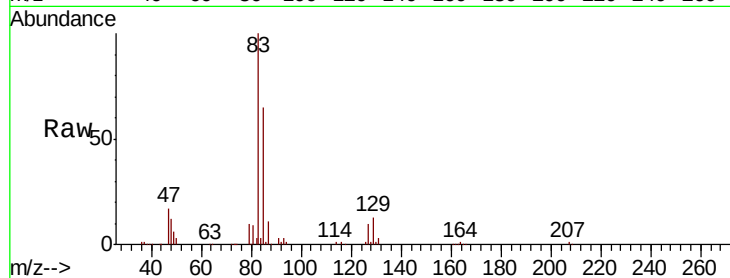
Tot Ion: 83 Resp: 88159

Ion Ratio Lower Upper

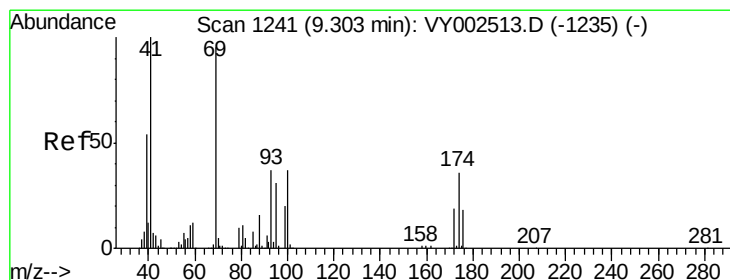
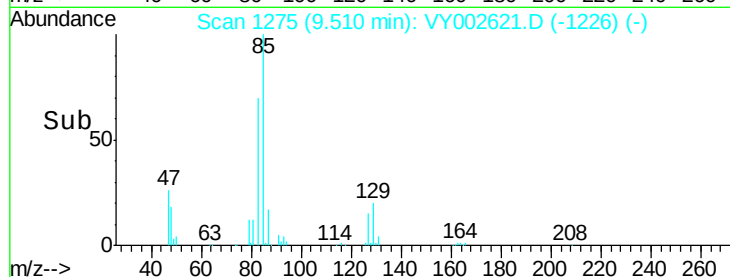
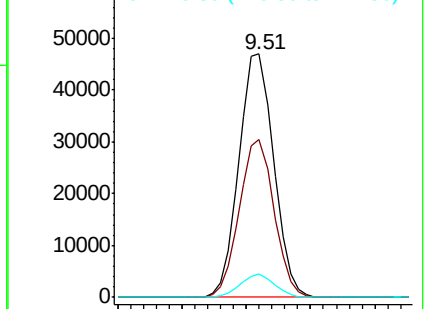
83 100

85 65.1 51.8 77.8

127 9.7 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): V



#48

Methyl methacrylate

Concen: 19.737 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

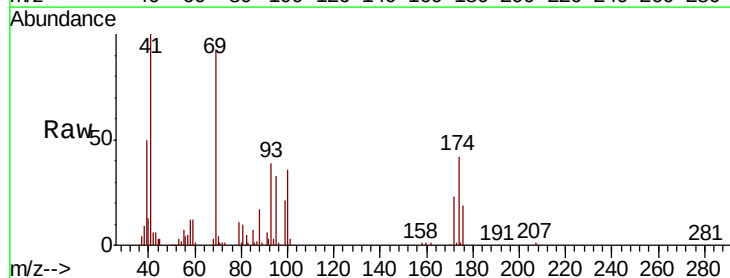
Tgt Ion: 41 Resp: 38075

Ion Ratio Lower Upper

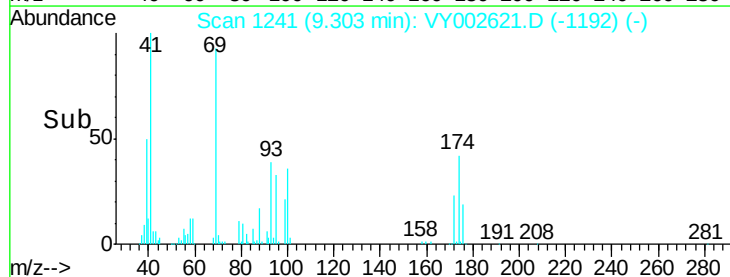
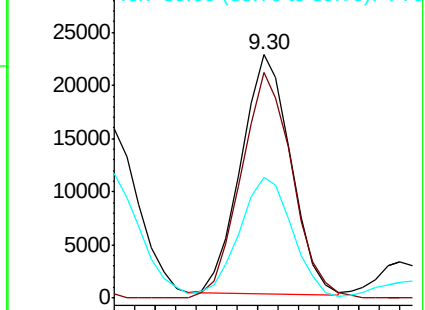
41 100

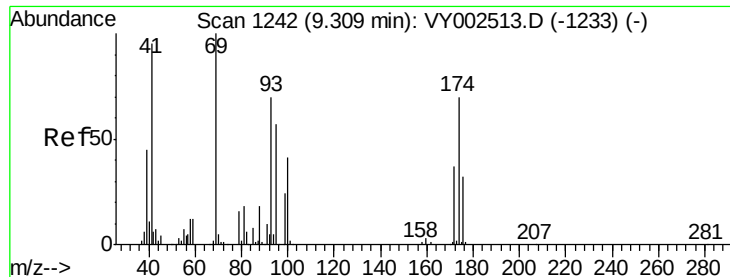
69 97.7 76.2 114.4

39 52.1 42.7 64.1



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

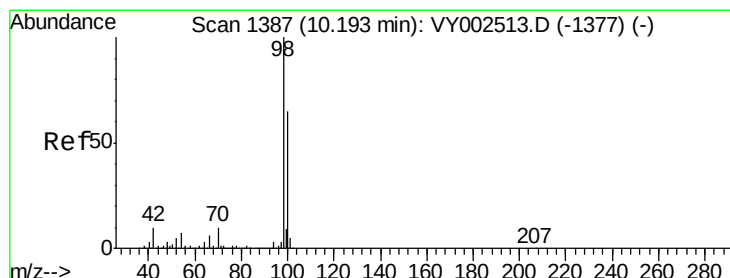
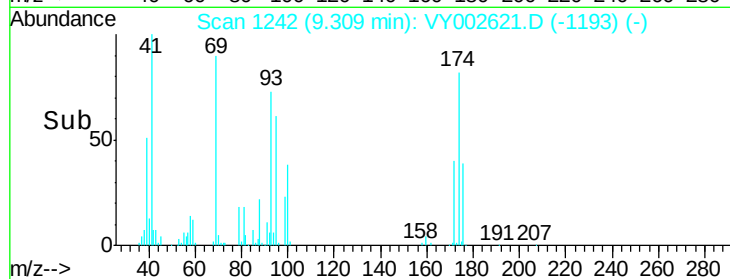
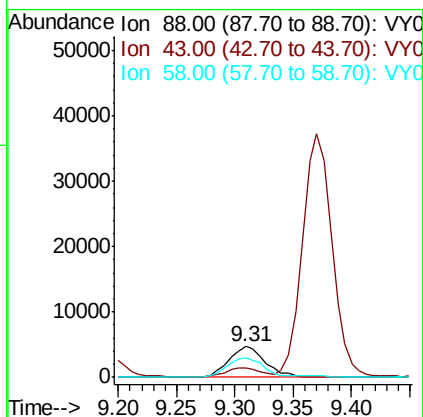
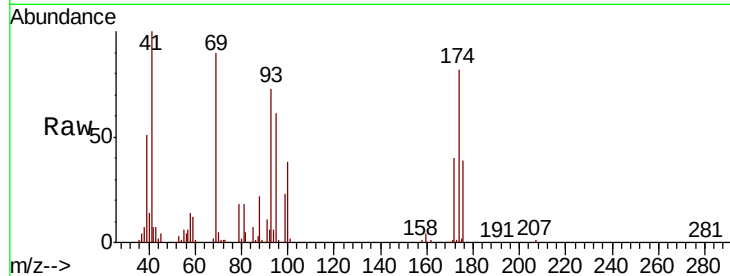




#49
1,4-Dioxane
Concen: 437.487 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

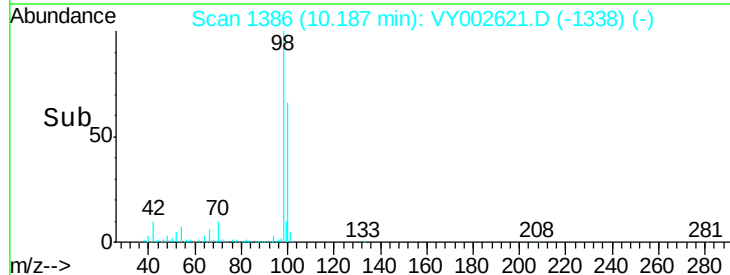
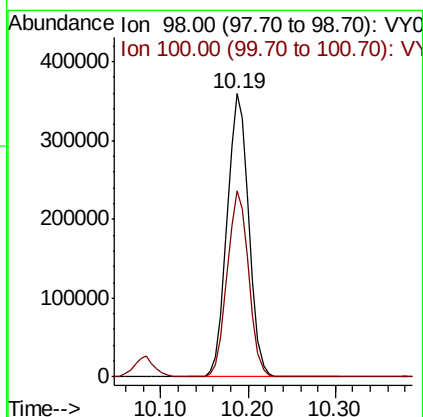
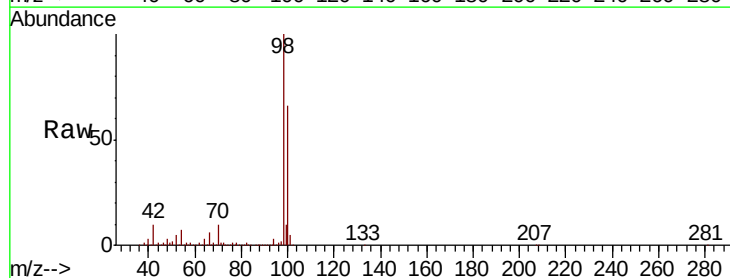
Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBSD01

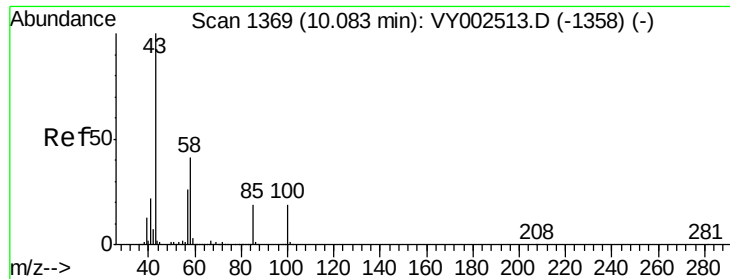
Tot Ion: 88 Resp: 10279
Ion Ratio Lower Upper
88 100
43 30.6 22.8 34.2
58 64.0 51.4 77.2



#50
Toluene-d8
Concen: 52.201 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion: 98 Resp: 615341
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2

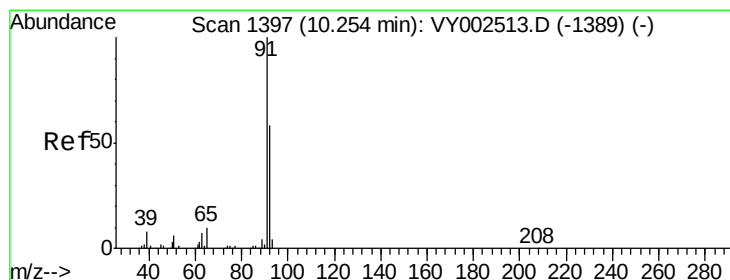
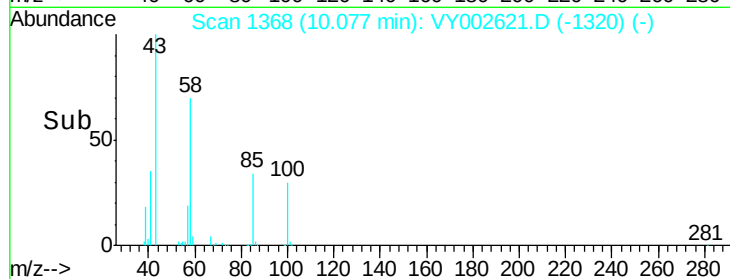
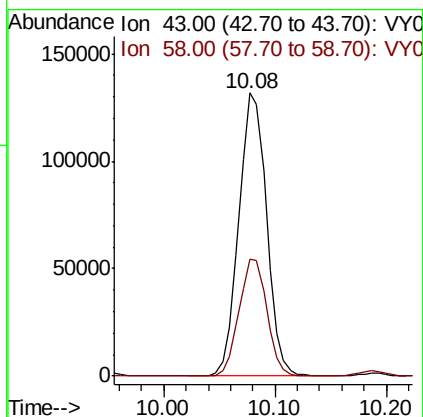
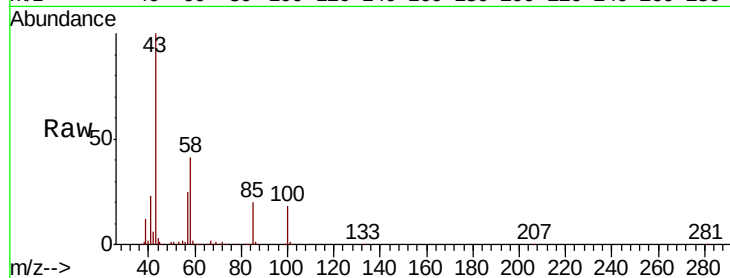




#51
 4-Methyl-2-Pentanone
 Concen: 104.056 ug/l
 RT: 10.08 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

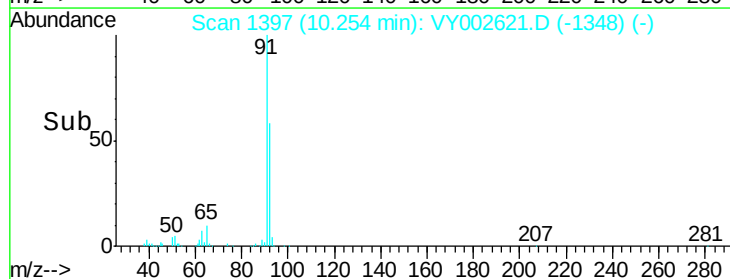
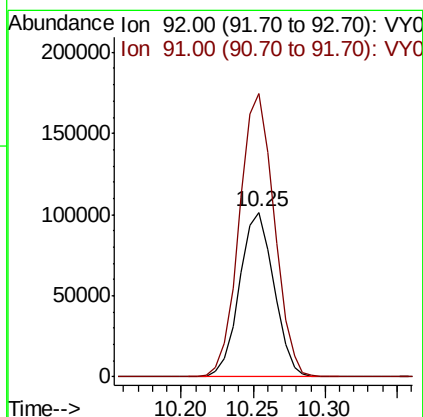
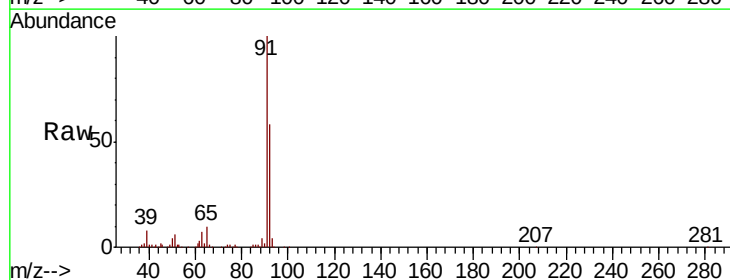
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBS01

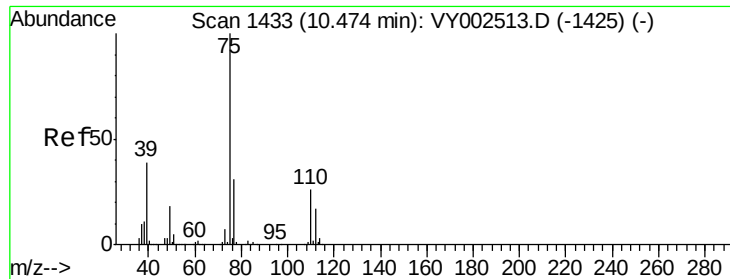
Tot Ion: 43 Resp: 228622
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.2 49.8



#52
 Toluene
 Concen: 20.452 ug/l
 RT: 10.25 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion: 92 Resp: 167972
 Ion Ratio Lower Upper
 92 100
 91 174.7 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 20.208 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

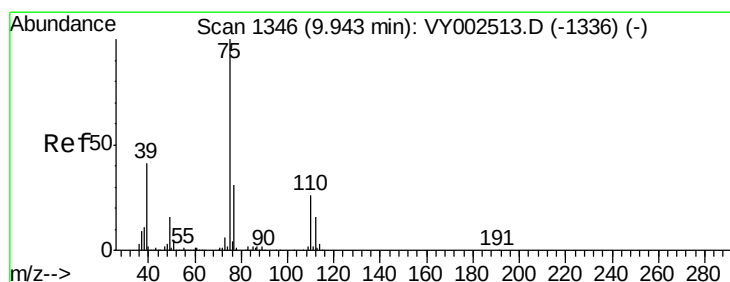
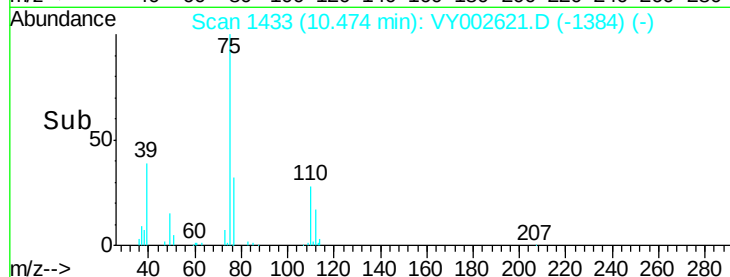
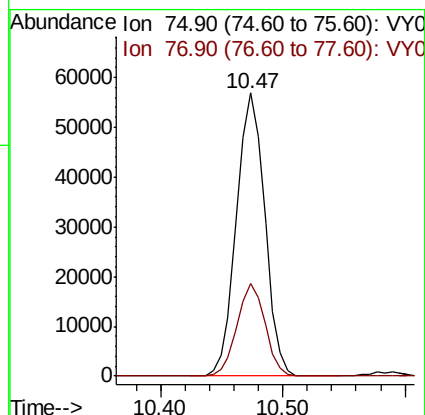
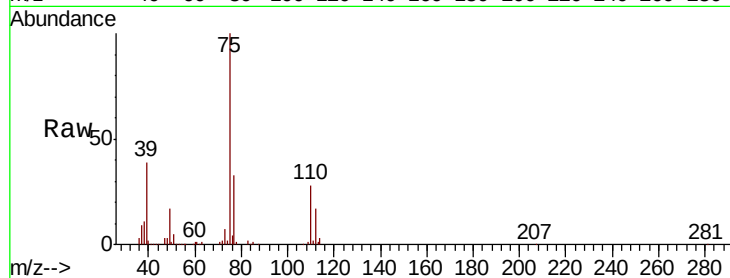
VY0507SBSD01

Tot Ion: 75 Resp: 91359

Ion Ratio Lower Upper

75 100

77 32.8 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 20.588 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

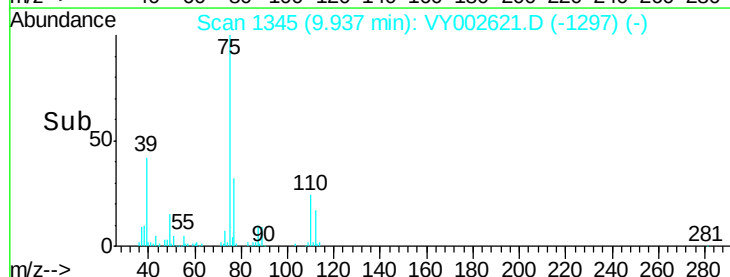
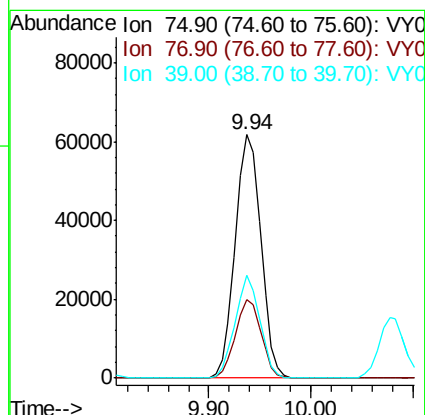
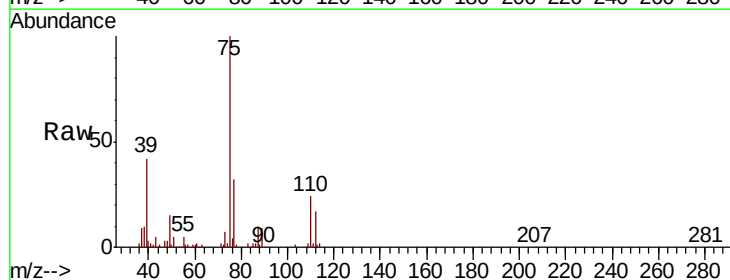
Tgt Ion: 75 Resp: 107603

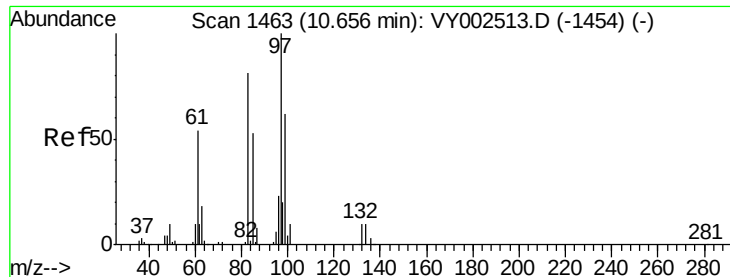
Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7

39 42.1 32.7 49.1

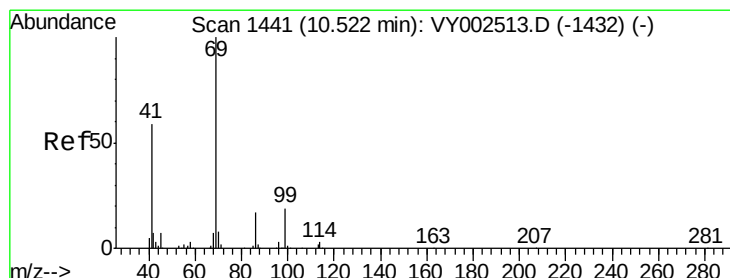
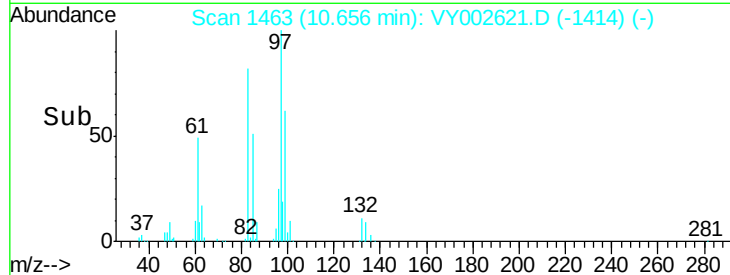
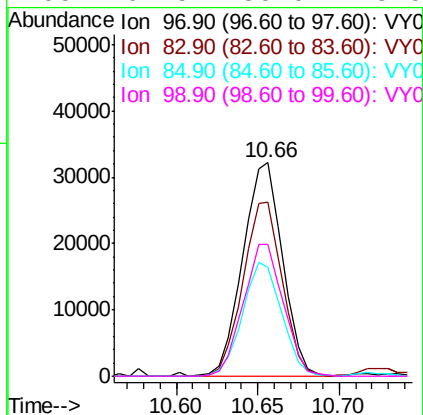
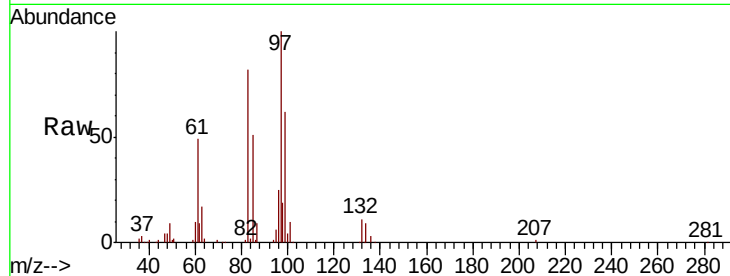




#55
 1,1,2-Trichloroethane
 Concen: 21.181 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

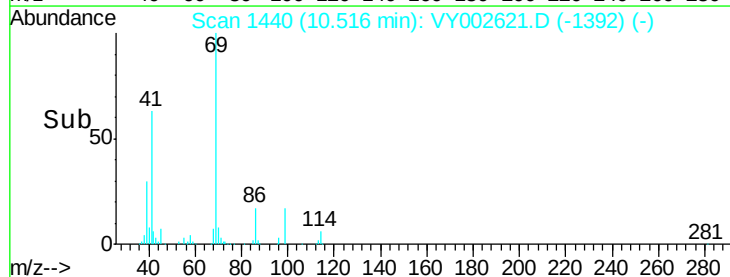
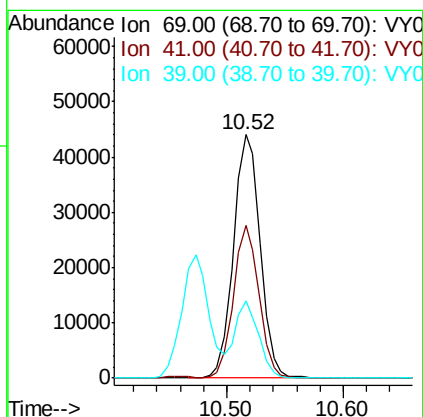
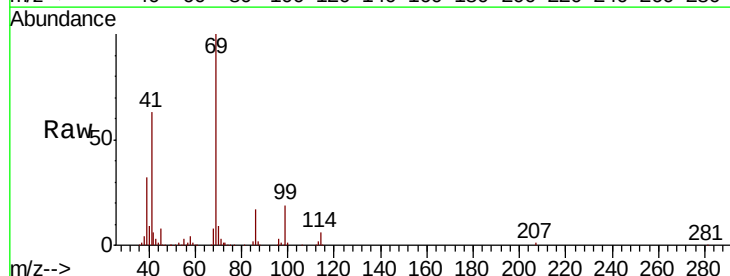
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBSD01

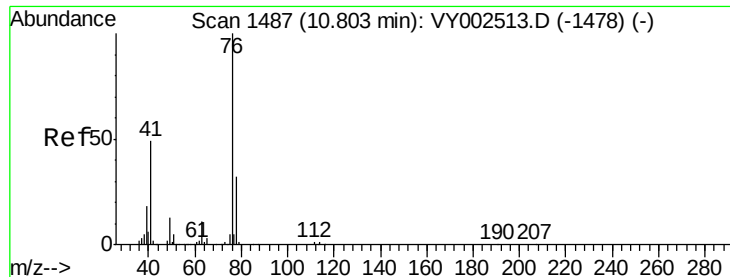
Tot Ion:	97	Resp:	54811
Ion	Ratio	Lower	Upper
97	100		
83	81.6	65.1	97.7
85	51.0	42.7	64.1
99	61.5	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 20.406 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion:	69	Resp:	70249
Ion	Ratio	Lower	Upper
69	100		
41	60.0	48.6	73.0
39	28.0	25.0	37.4





#57

1,3-Dichloropropane

Concen: 20.419 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

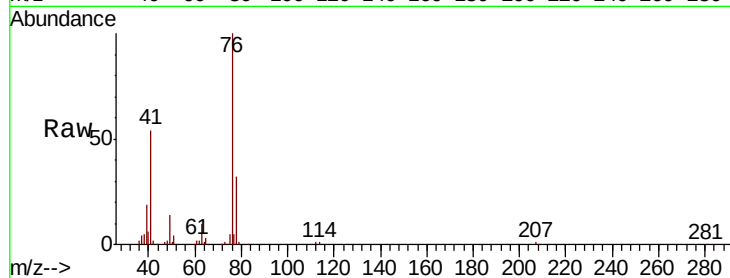
VY0507SBSD01

Tot Ion: 76 Resp: 89607

Ion Ratio Lower Upper

76 100

78 32.6 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.80

60000

50000

40000

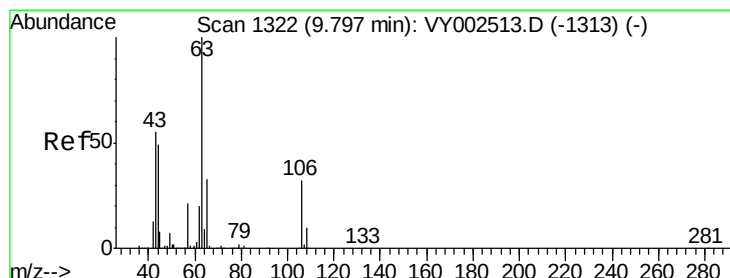
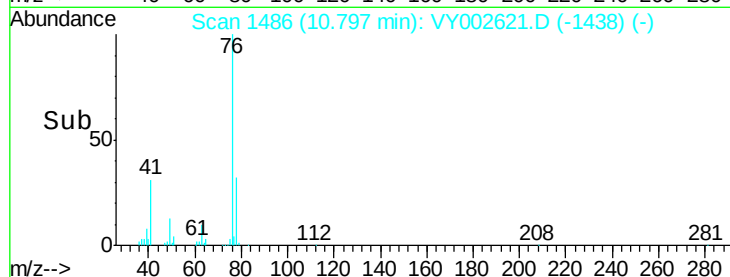
30000

20000

10000

0

Time--> 10.70 10.80 10.90



#58

2-Chloroethyl Vinyl ether

Concen: 110.113 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VY002621.D

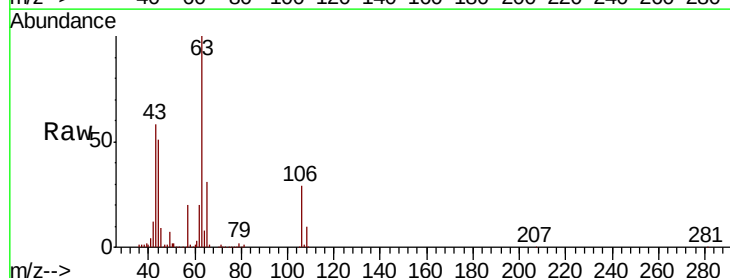
Acq: 07 May 2020 11:25

Tgt Ion: 63 Resp: 199904

Ion Ratio Lower Upper

63 100

106 30.6 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

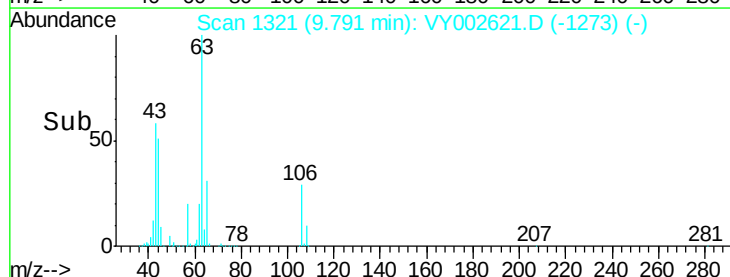
9.79

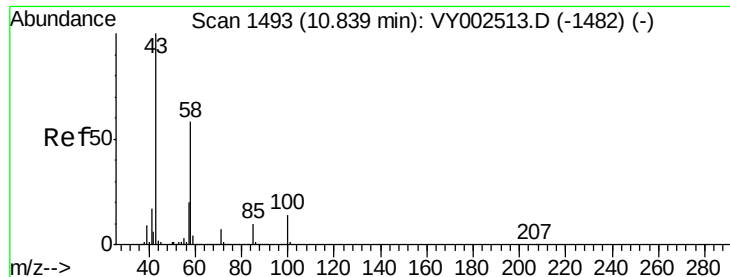
100000

50000

0

Time--> 9.70 9.75 9.80 9.85 9.90

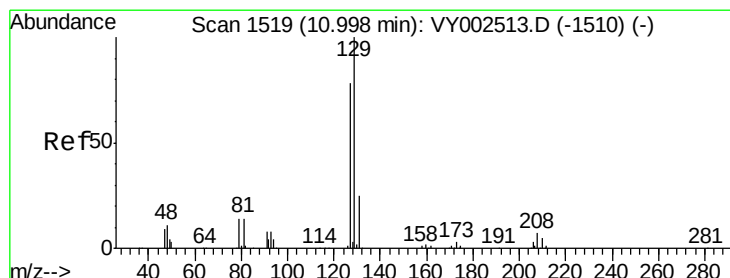
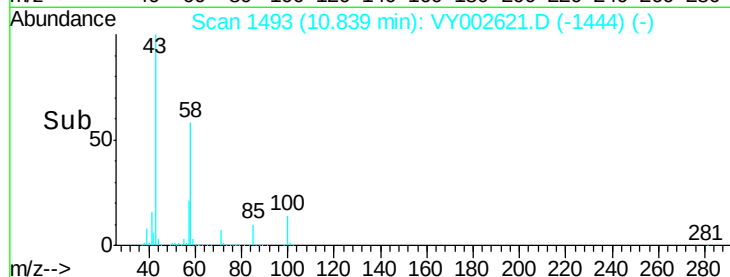
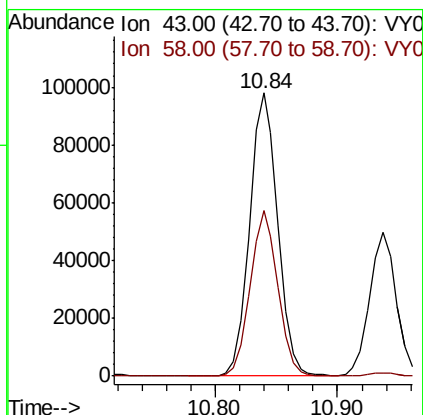
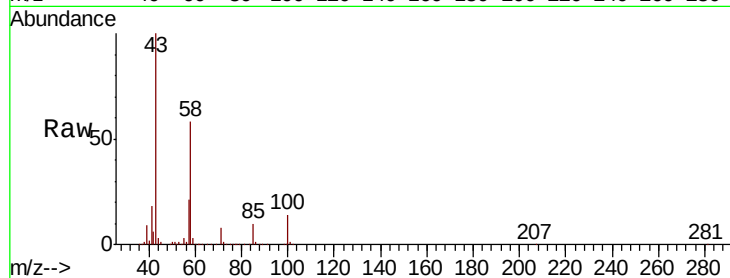




#59
2-Hexanone
Concen: 103.426 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

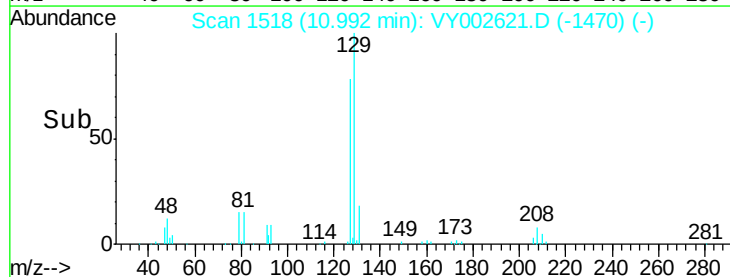
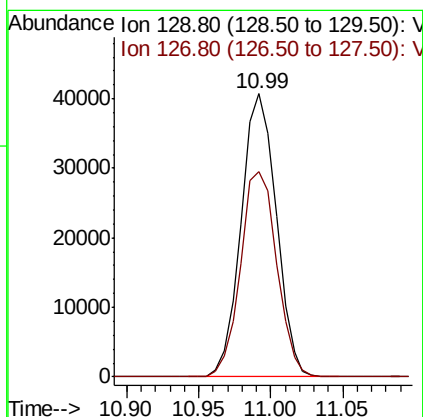
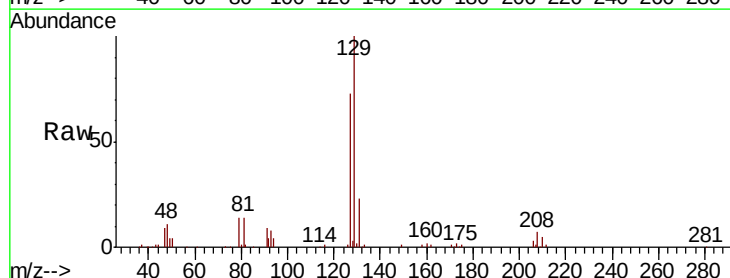
Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBSD01

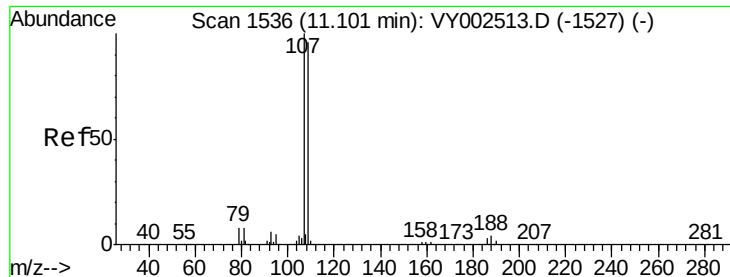
Tot Ion: 43 Resp: 156400
Ion Ratio Lower Upper
43 100
58 57.5 29.1 87.3



#60
Dibromochloromethane
Concen: 20.892 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion: 129 Resp: 68761
Ion Ratio Lower Upper
129 100
127 75.0 39.0 117.0





#61

1,2-Dibromoethane

Concen: 20.464 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

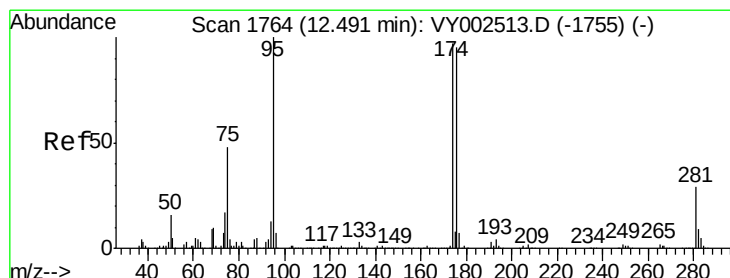
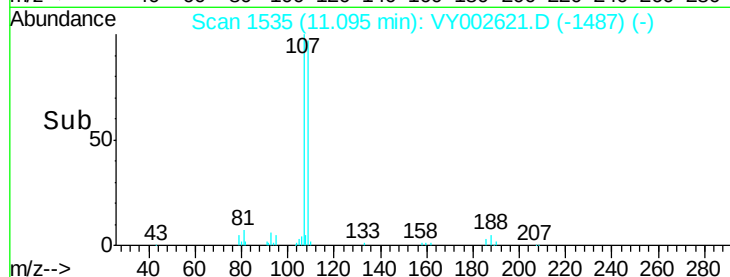
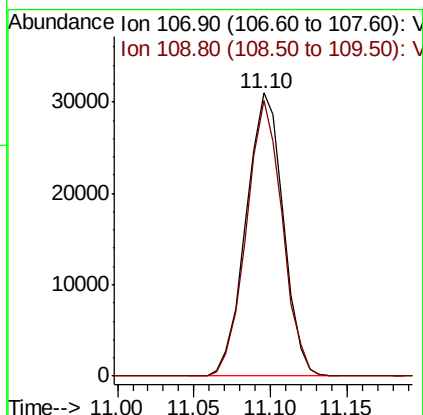
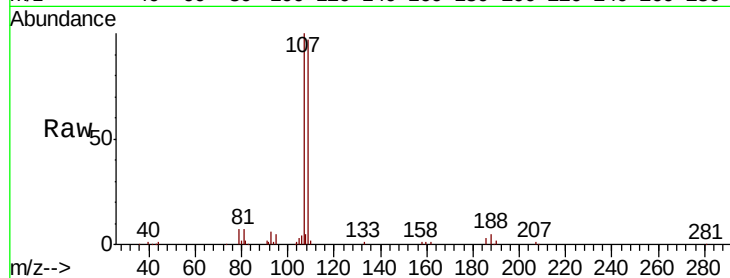
VY0507SBSD01

Tot Ion:107 Resp: 52435

Ion Ratio Lower Upper

107 100

109 94.1 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 52.796 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

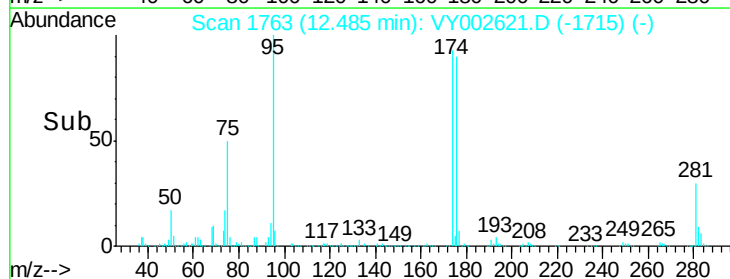
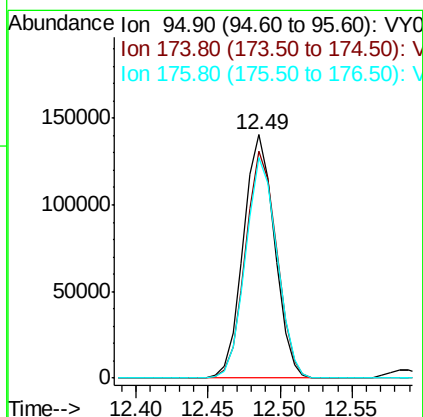
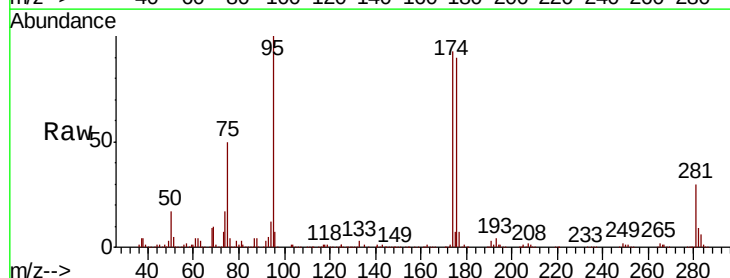
Tgt Ion: 95 Resp: 211179

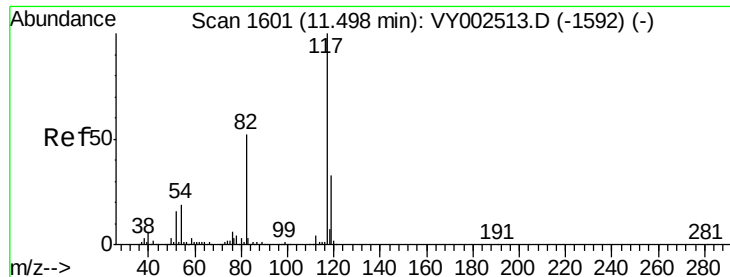
Ion Ratio Lower Upper

95 100

174 93.1 0.0 188.8

176 90.8 0.0 183.2

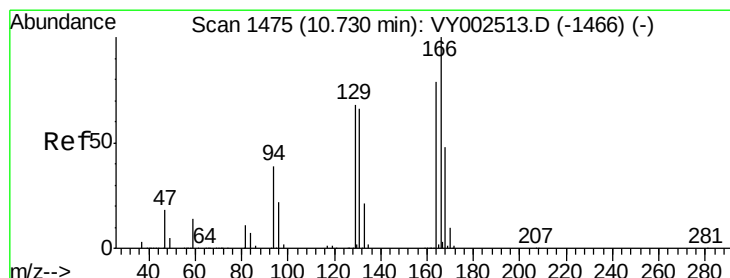
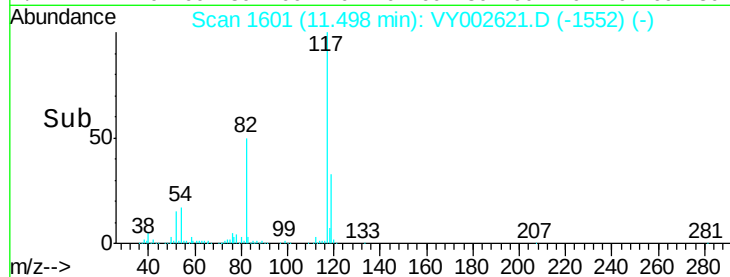
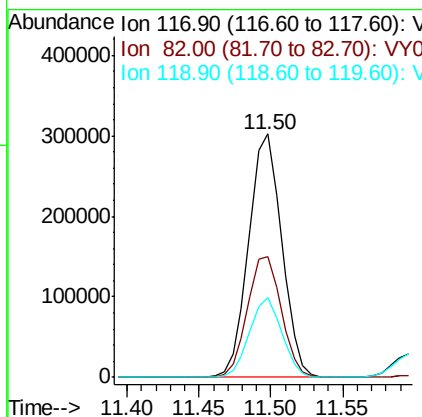
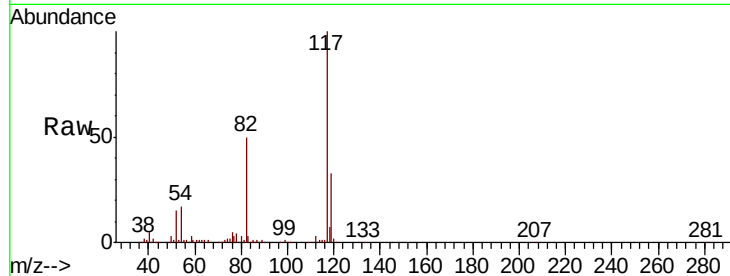




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

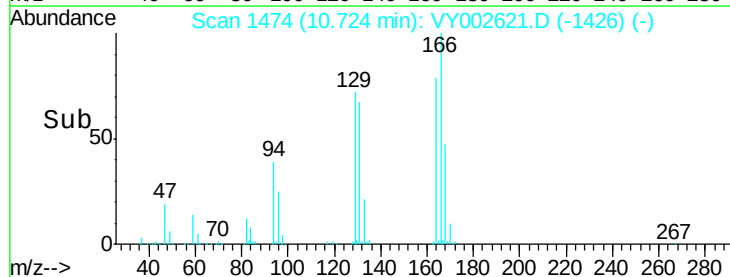
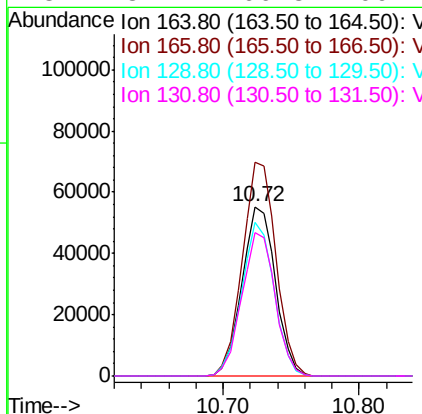
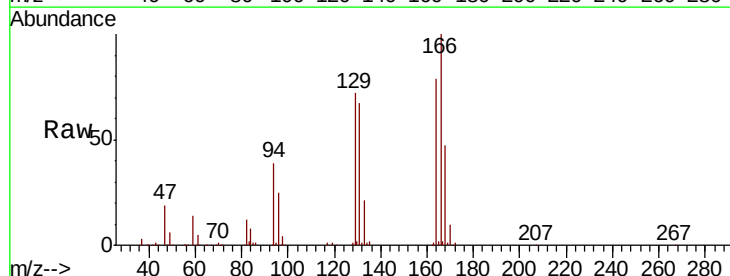
Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBSD01

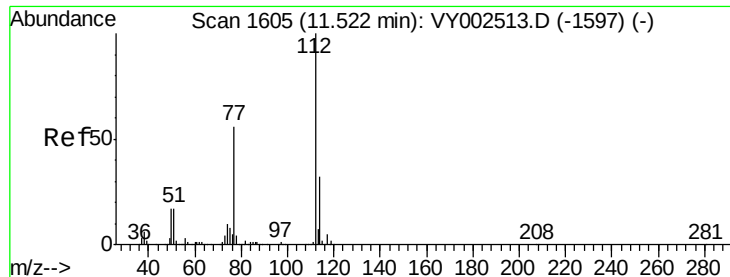
Tot Ion:117 Resp: 479538
Ion Ratio Lower Upper
117 100
82 49.6 41.3 61.9
119 32.6 26.0 39.0



#64
Tetrachloroethene
Concen: 22.288 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion:164 Resp: 94960
Ion Ratio Lower Upper
164 100
166 126.2 100.7 151.1
129 90.6 68.3 102.5
131 84.4 66.8 100.2





#65

Chlorobenzene

Concen: 20.738 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

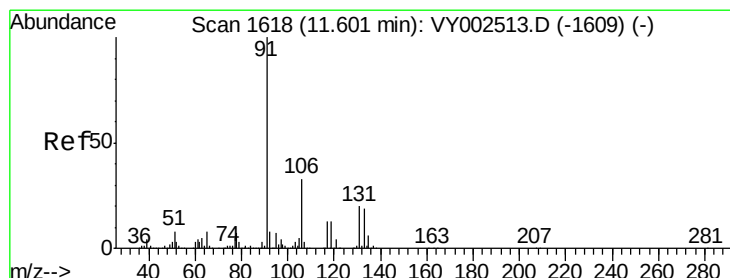
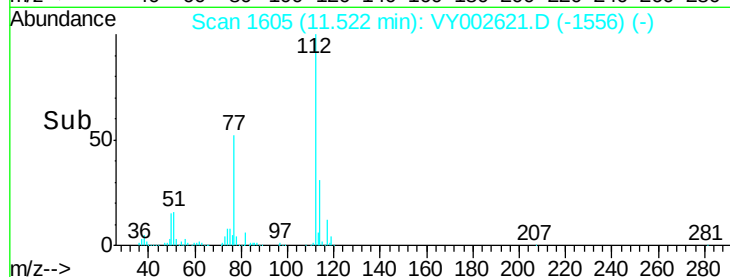
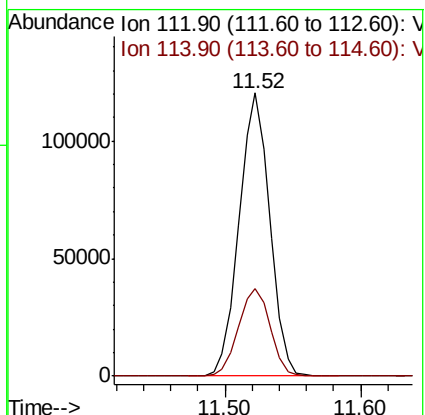
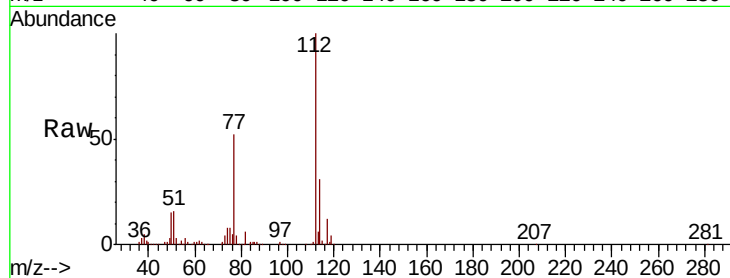
VY0507SBSD01

Tot Ion:112 Resp: 189046

Ion Ratio Lower Upper

112 100

114 31.0 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 20.749 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

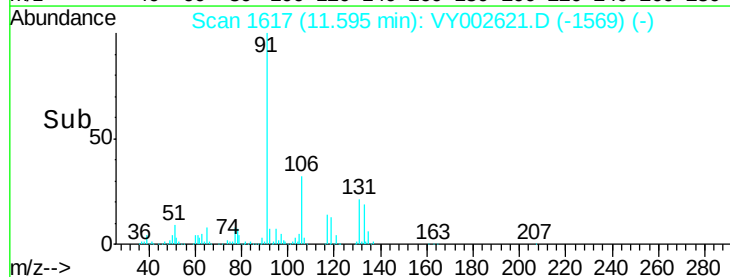
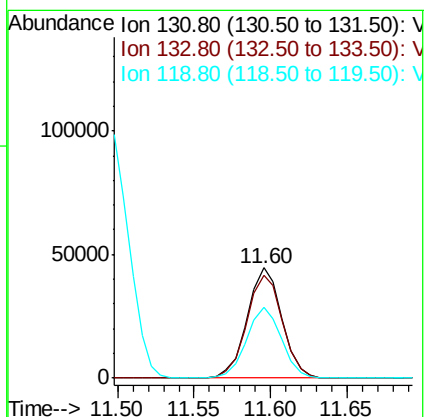
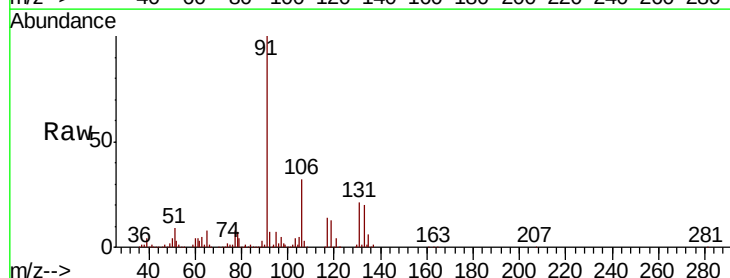
Tgt Ion:131 Resp: 70213

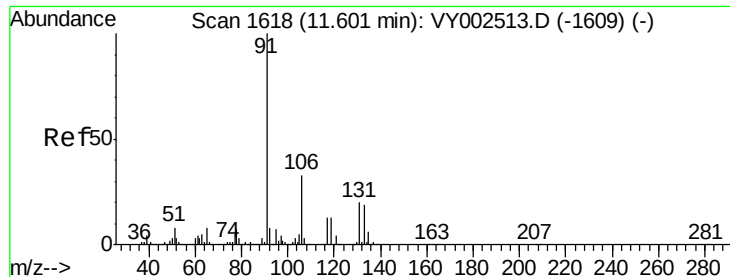
Ion Ratio Lower Upper

131 100

133 95.8 48.1 144.4

119 64.4 31.6 95.0

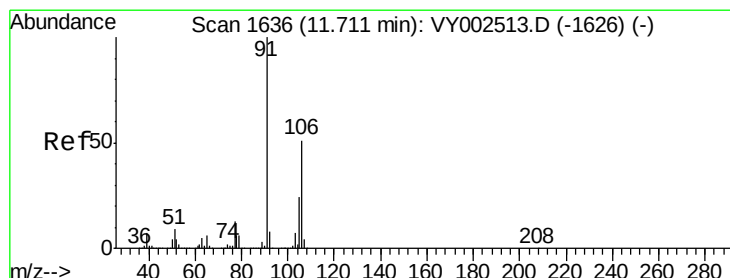
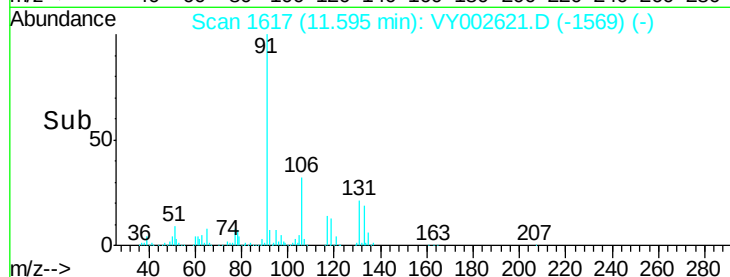
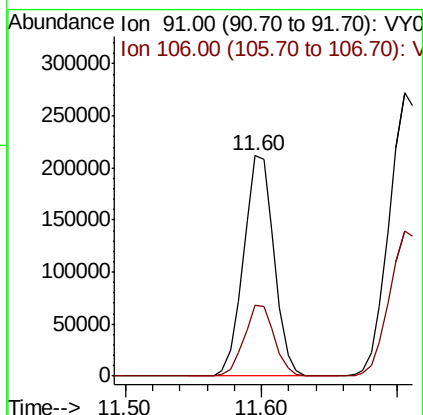
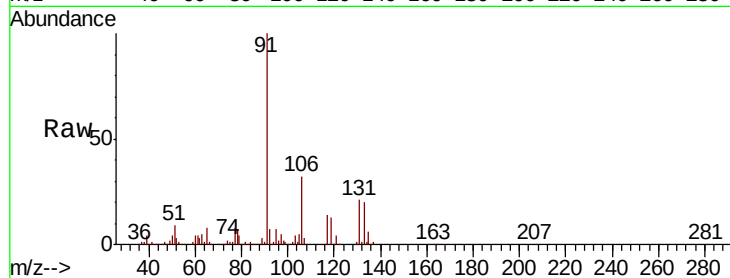




#67
Ethyl Benzene
Concen: 20.729 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

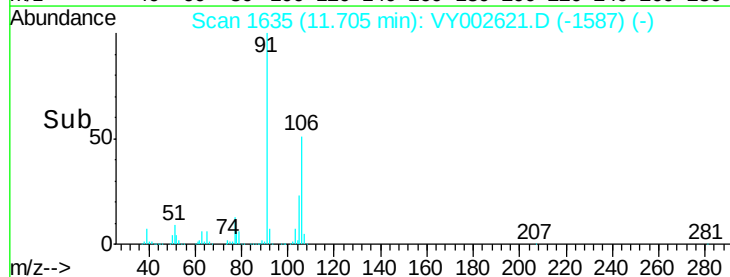
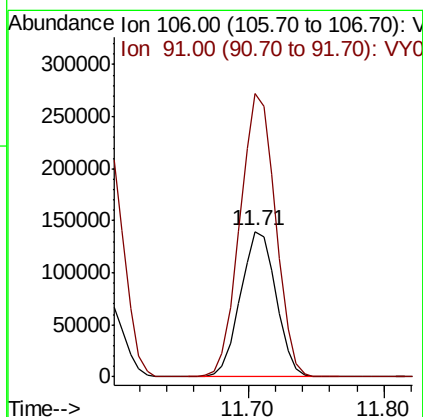
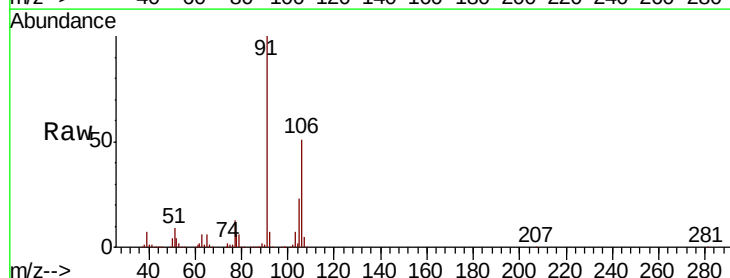
Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBSD01

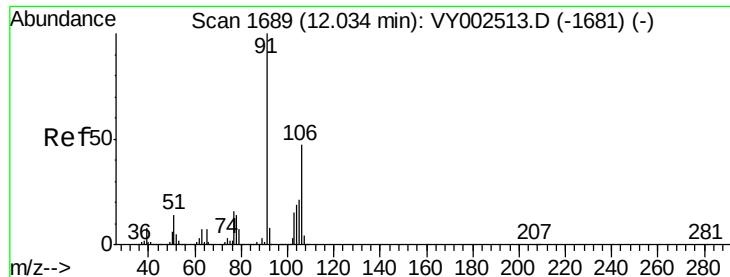
Tot Ion: 91 Resp: 331928
Ion Ratio Lower Upper
91 100
106 32.0 26.1 39.1



#68
m/p-Xylenes
Concen: 41.238 ug/l
RT: 11.71 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion: 106 Resp: 255503
Ion Ratio Lower Upper
106 100
91 194.2 155.2 232.8

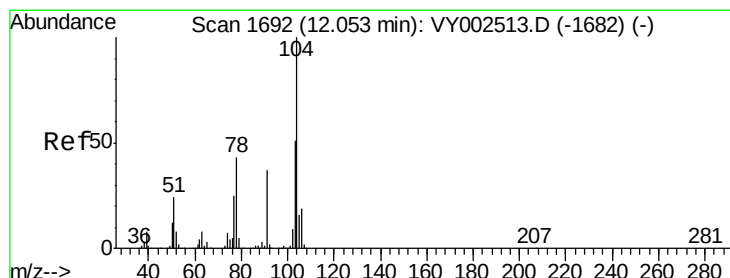
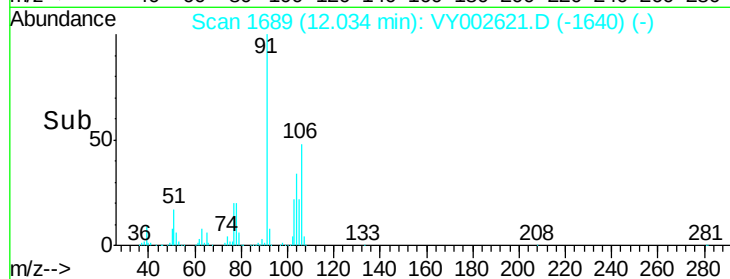
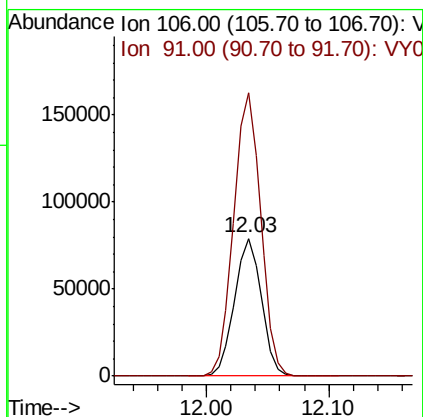
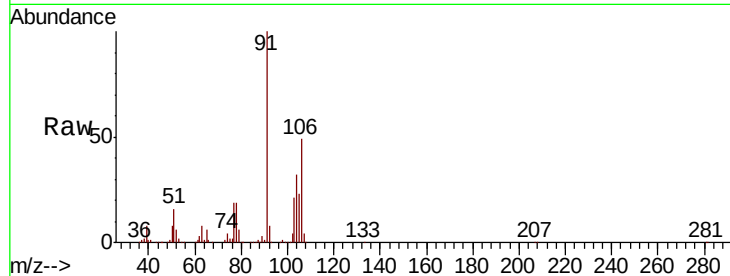




#69
o-Xylene
Concen: 20.698 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

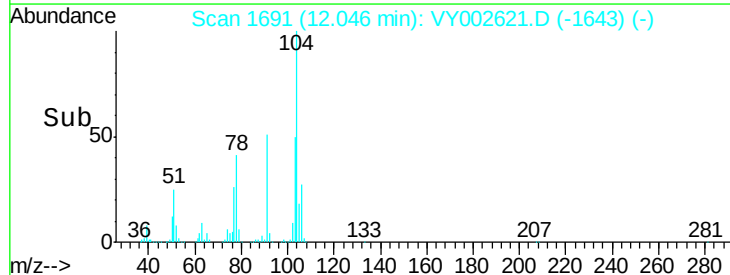
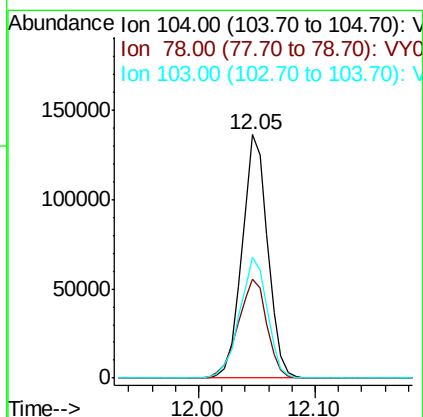
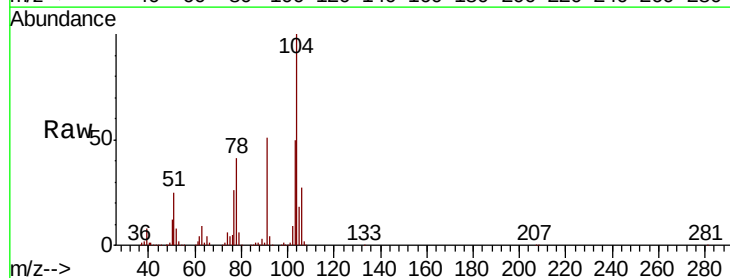
Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBSD01

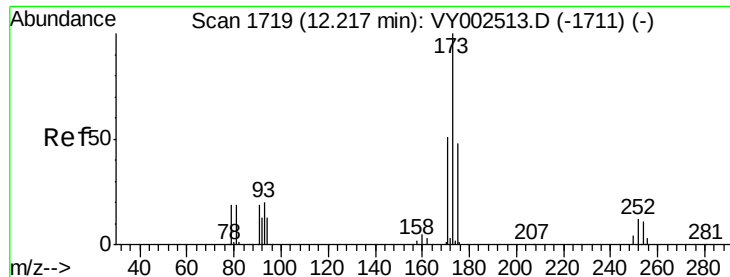
Tot Ion:106 Resp: 120071
Ion Ratio Lower Upper
106 100
91 207.3 103.8 311.3



#70
Styrene
Concen: 21.067 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion:104 Resp: 208932
Ion Ratio Lower Upper
104 100
78 45.9 37.4 56.0
103 53.8 43.9 65.9

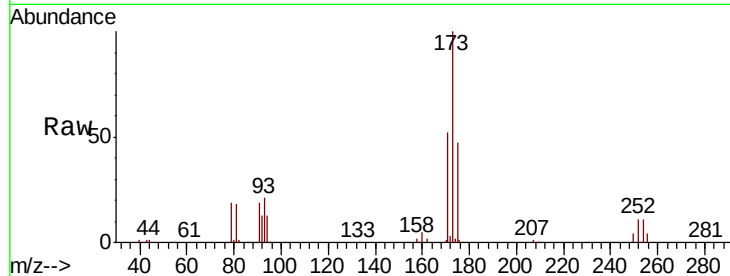




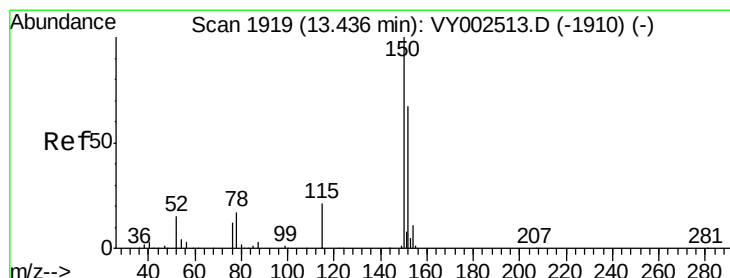
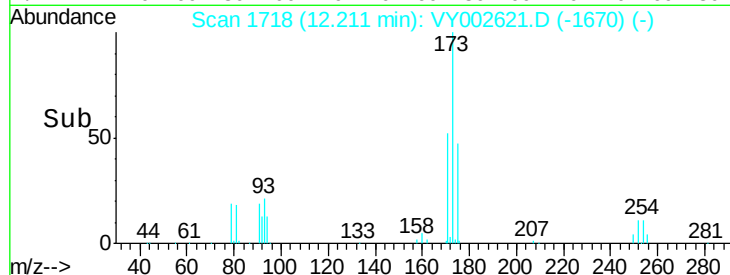
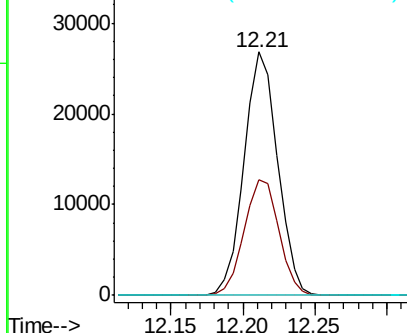
#71
Bromoform
Concen: 20.611 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBSD01

Tot Ion:173 Resp: 43289
Ion Ratio Lower Upper
173 100
175 49.0 24.3 72.8
254 0.1 0.2 0.2#

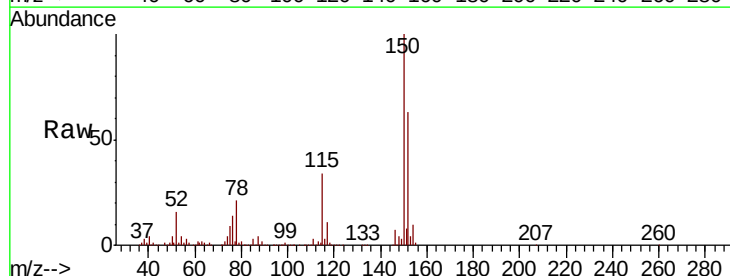


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

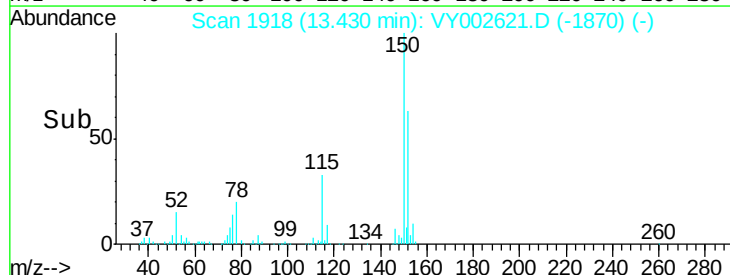
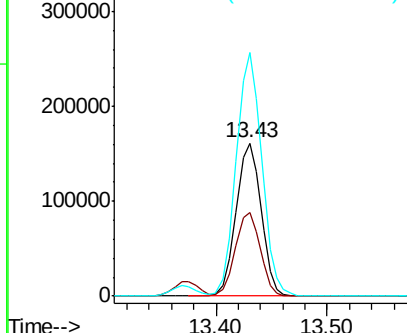


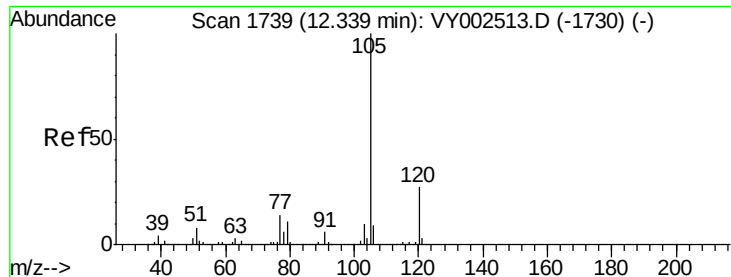
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion:152 Resp: 249711
Ion Ratio Lower Upper
152 100
115 54.7 27.5 82.4
150 163.2 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: 20.736 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

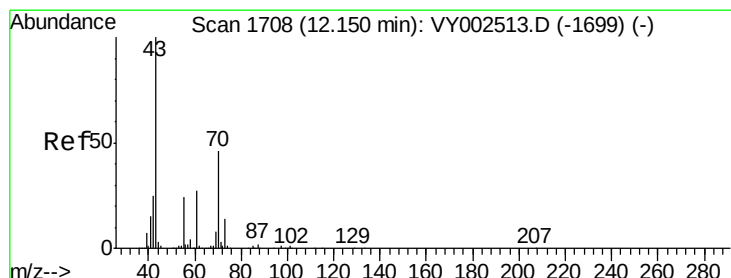
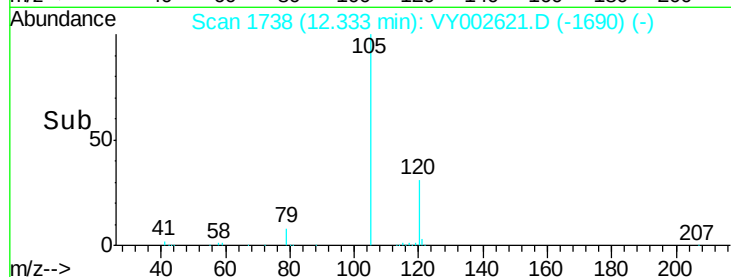
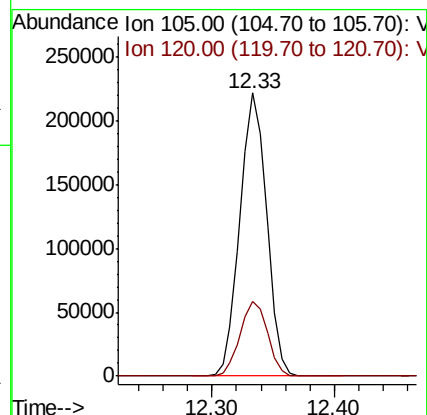
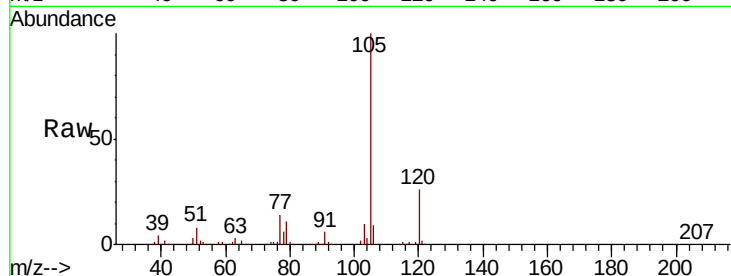
VY0507SBSD01

Tot Ion:105 Resp: 335591

Ion Ratio Lower Upper

105 100

120 27.1 13.8 41.3



#74

N-ethyl acetate

Concen: 20.462 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Tgt Ion: 43 Resp: 79659

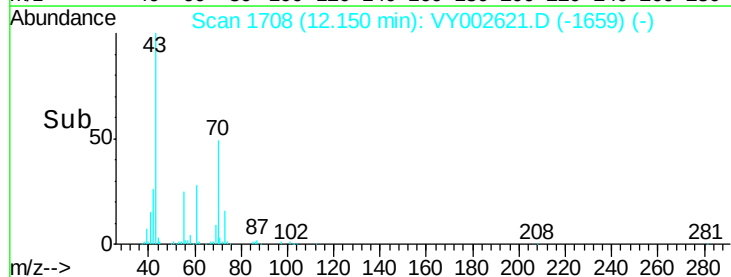
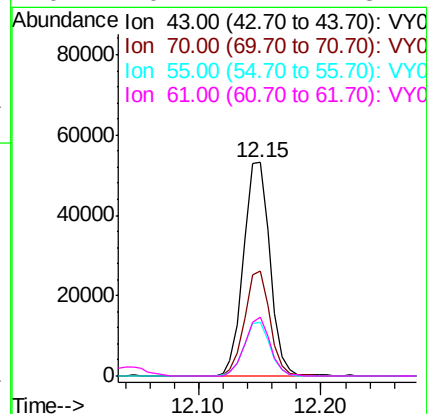
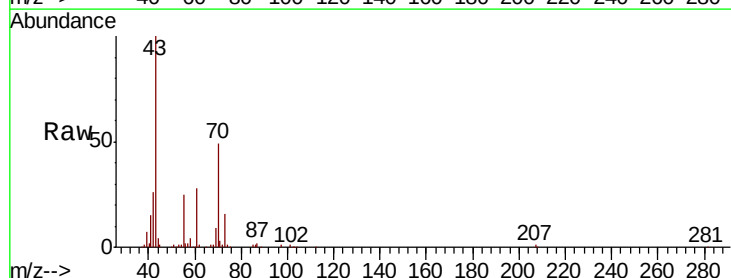
Ion Ratio Lower Upper

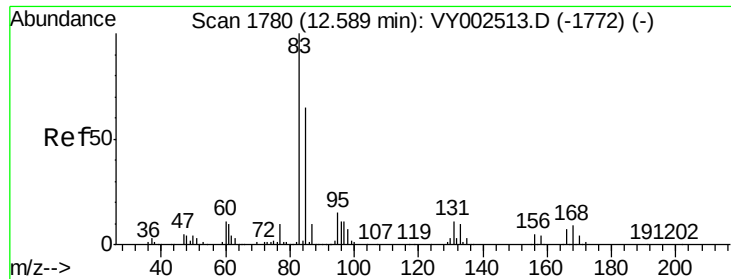
43 100

70 47.2 36.7 55.1

55 25.0 19.2 28.8

61 26.2 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.843 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBSD01

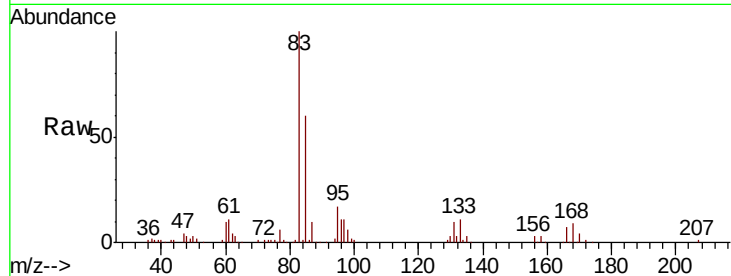
Tot Ion: 83 Resp: 48498

Ion Ratio Lower Upper

83 100

131 11.4 5.9 17.8

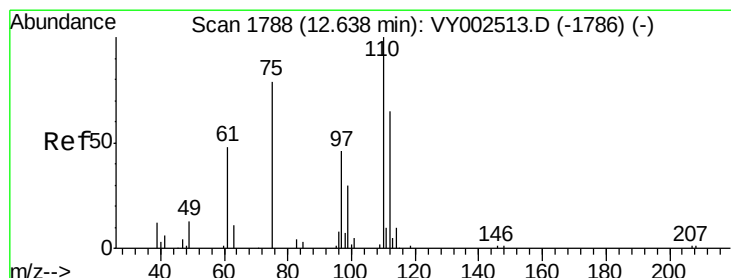
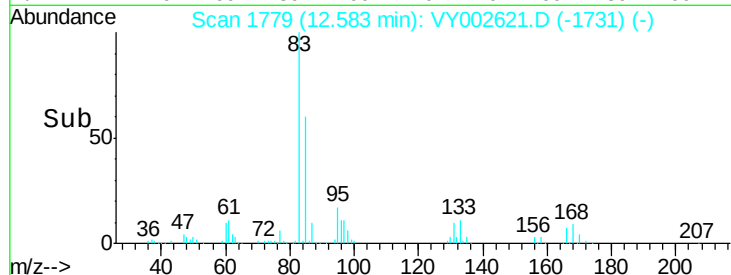
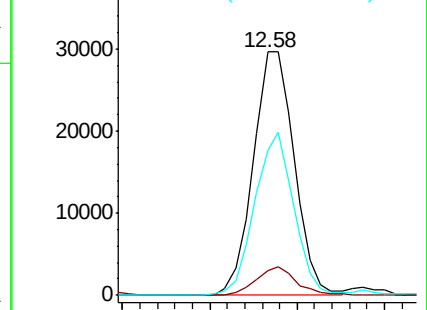
85 63.4 31.9 95.9



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: 35.660 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VY002621.D

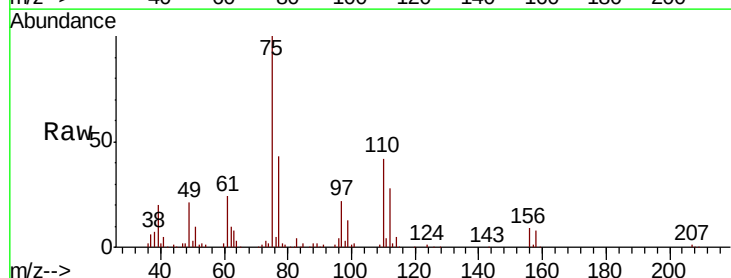
Acq: 07 May 2020 11:25

Tgt Ion: 75 Resp: 79134

Ion Ratio Lower Upper

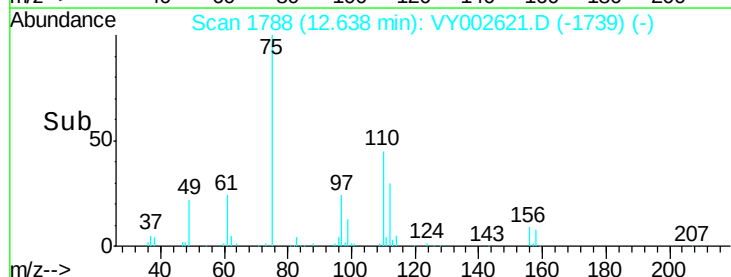
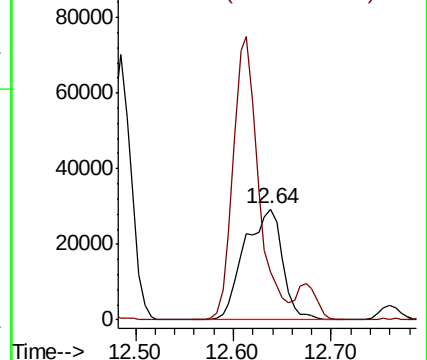
75 100

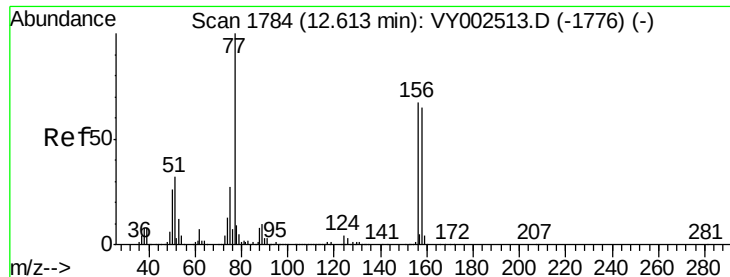
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 20.452 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBSD01

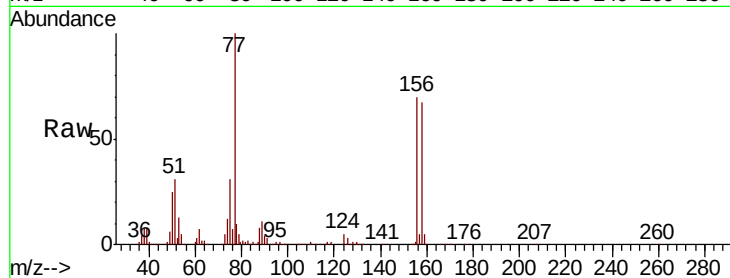
Tot Ion:156 Resp: 82693

Ion Ratio Lower Upper

156 100

77 163.9 82.0 245.8

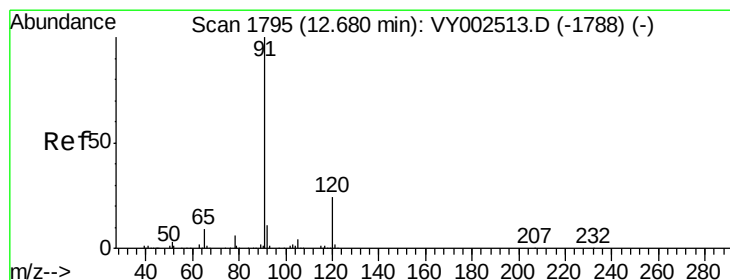
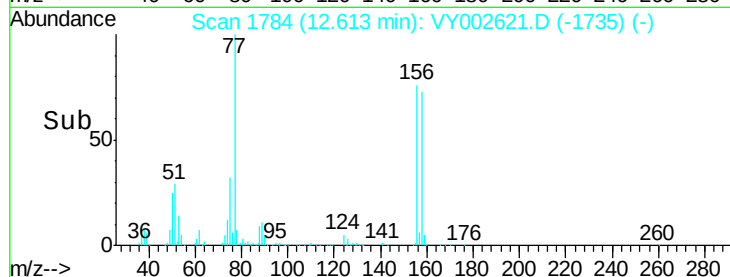
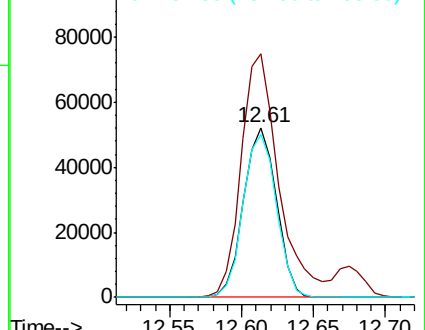
158 97.1 48.5 145.6



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: 20.807 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002621.D

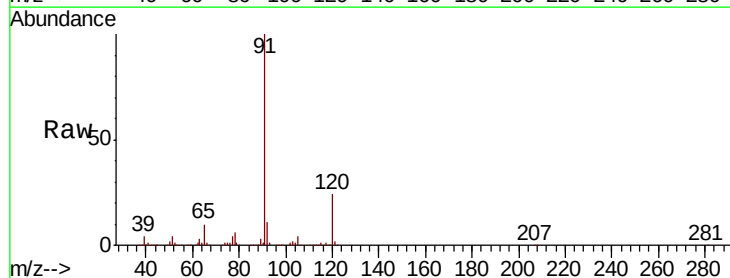
Acq: 07 May 2020 11:25

Tgt Ion: 91 Resp: 390764

Ion Ratio Lower Upper

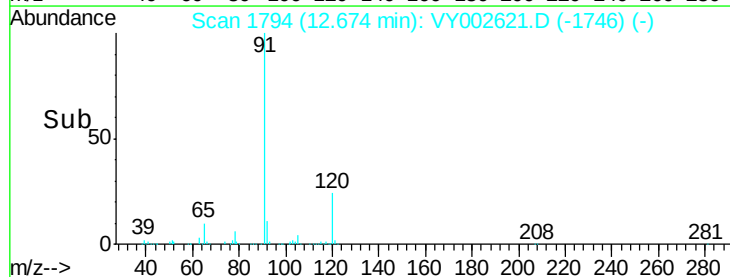
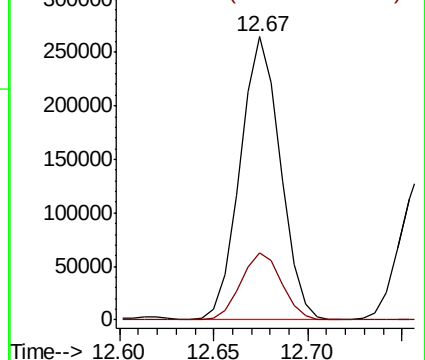
91 100

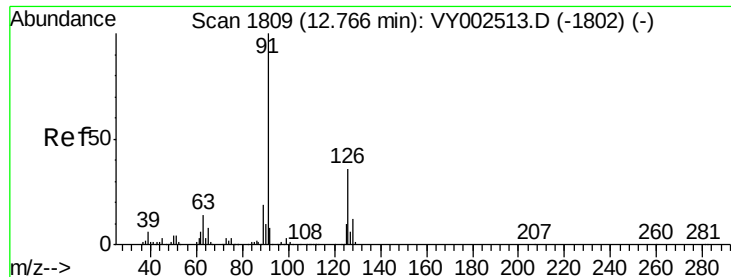
120 24.0 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.530 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

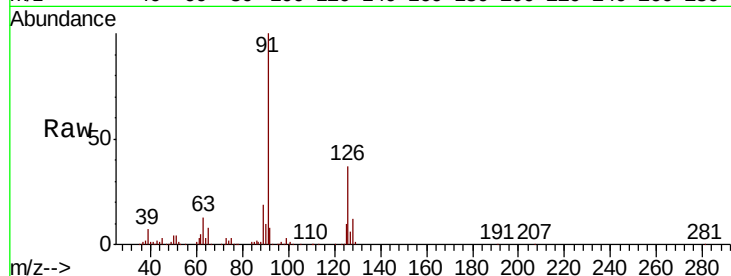
VY0507SBSD01

Tot Ion: 91 Resp: 213580

Ion Ratio Lower Upper

91 100

126 36.3 18.4 55.2



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

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

250000

200000

150000

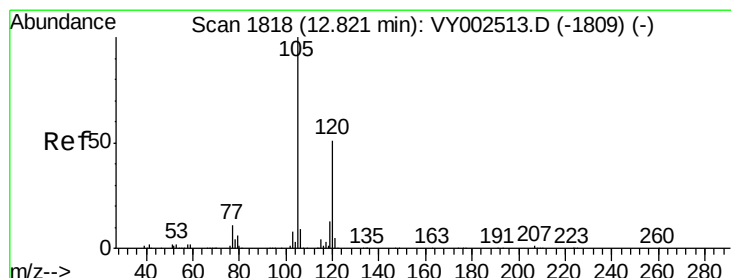
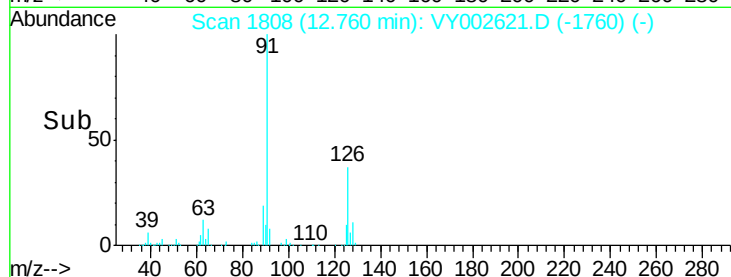
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.886 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY002621.D

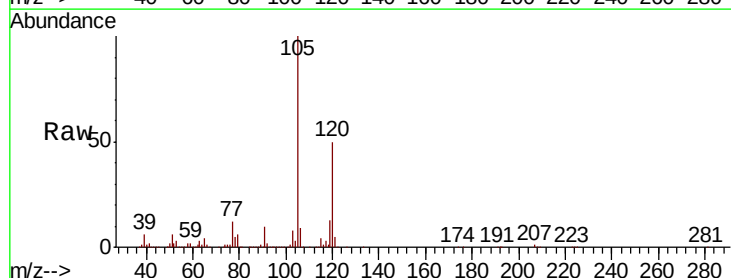
Acq: 07 May 2020 11:25

Tgt Ion: 105 Resp: 280191

Ion Ratio Lower Upper

105 100

120 50.9 25.3 75.9



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

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

200000

150000

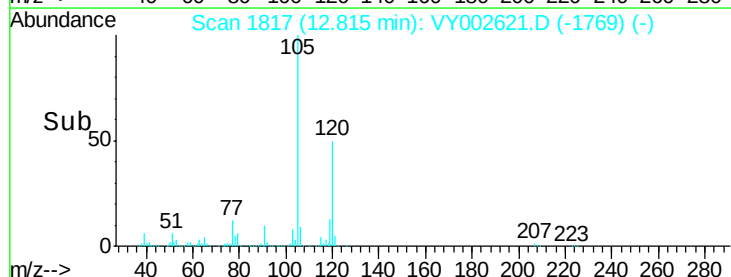
100000

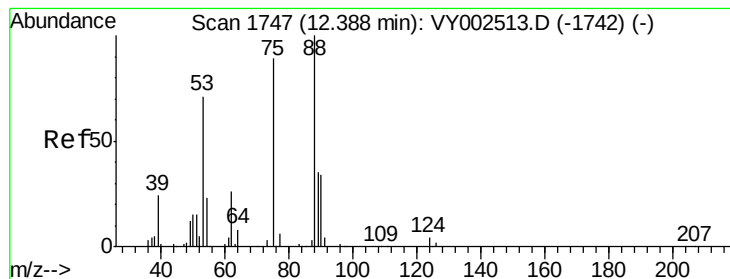
50000

0

12.80 12.81 12.82

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.946 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBSD01

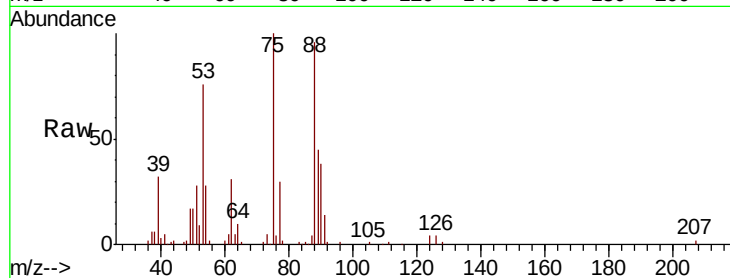
Tot Ion: 75 Resp: 22074

Ion Ratio Lower Upper

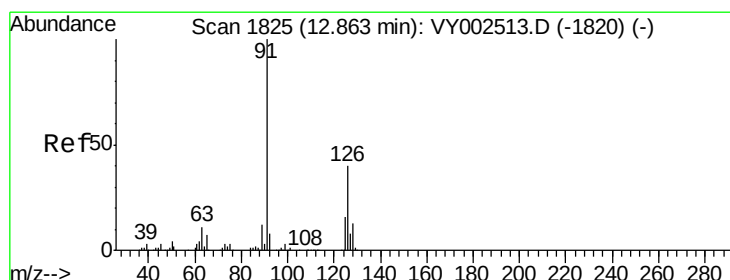
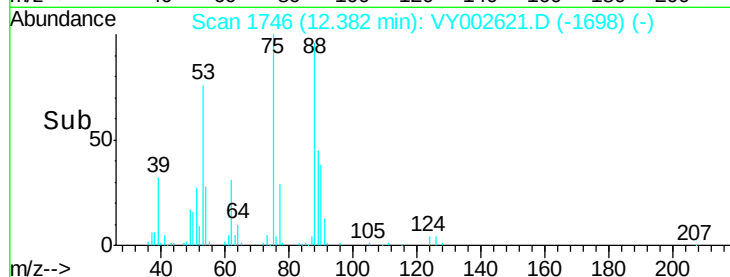
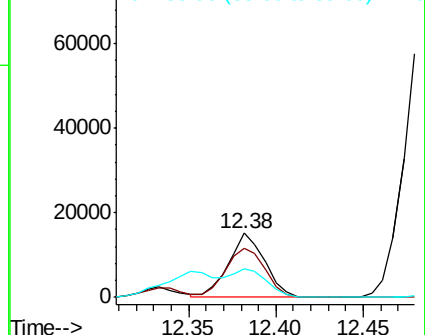
75 100

53 82.7 67.4 101.0

89 41.5 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: 20.387 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY002621.D

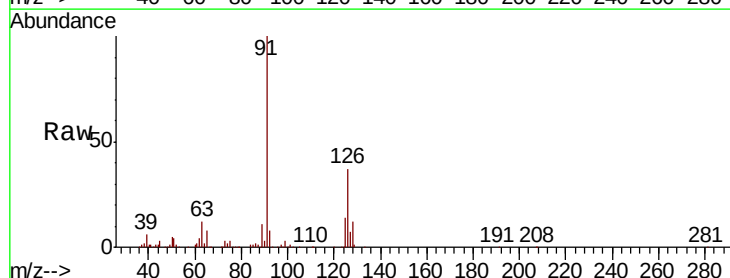
Acq: 07 May 2020 11:25

Tgt Ion: 91 Resp: 222790

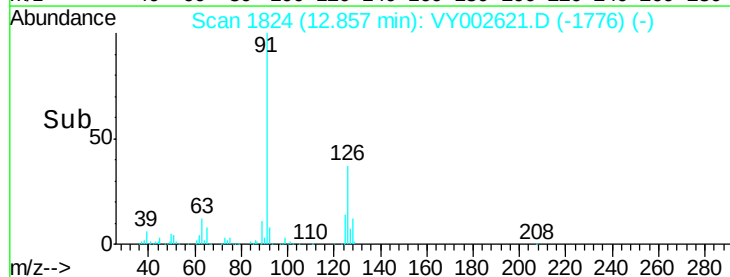
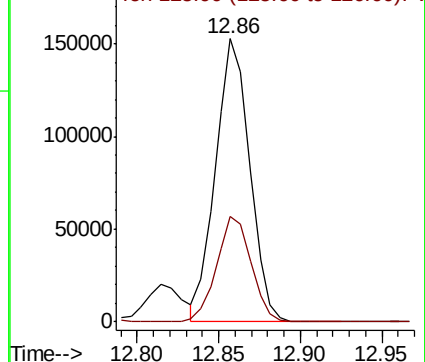
Ion Ratio Lower Upper

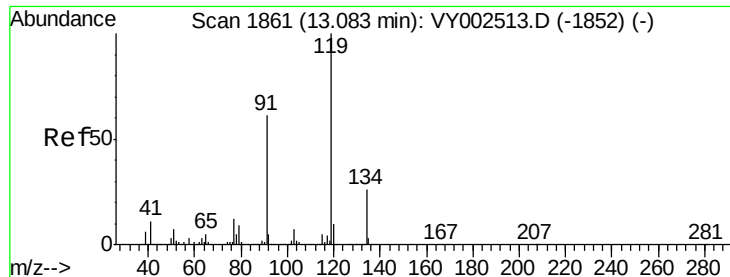
91 100

126 37.7 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V

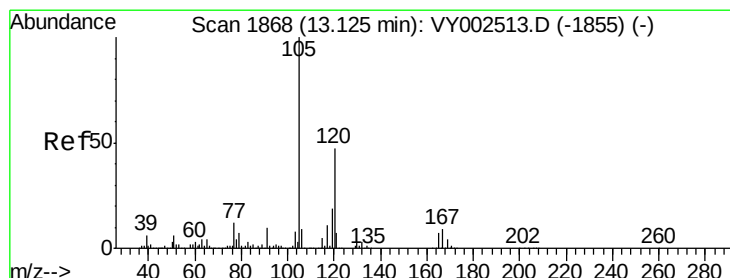
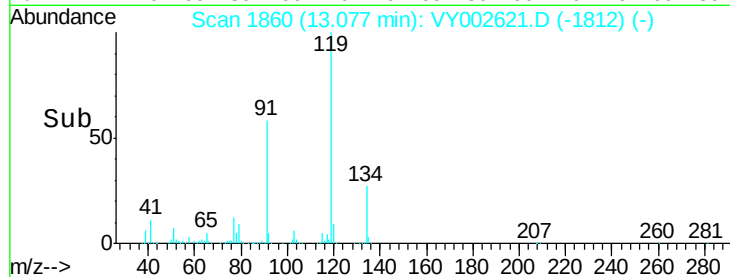
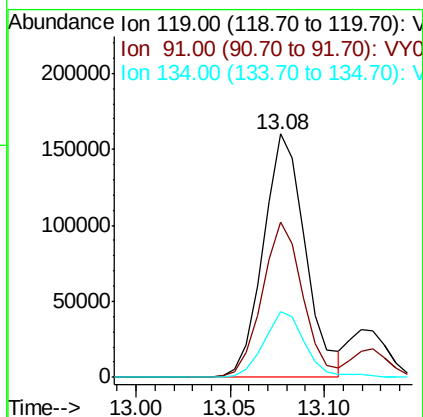
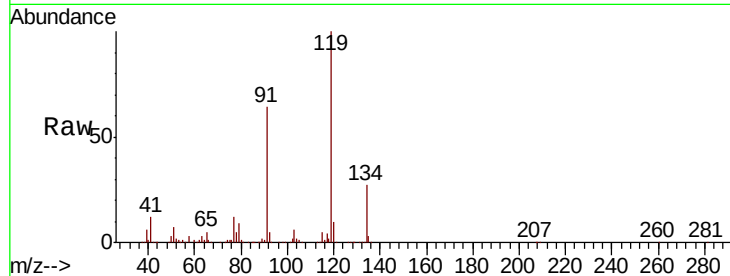




#83
 tert-Butylbenzene
 Concen: 21.063 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

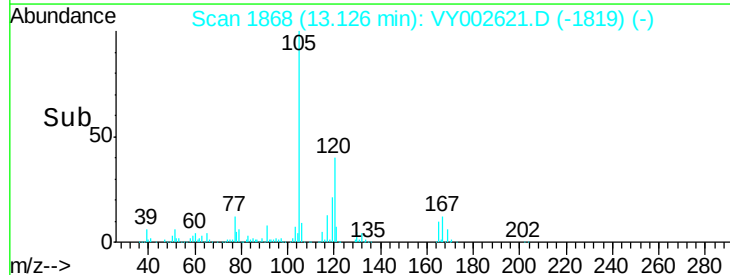
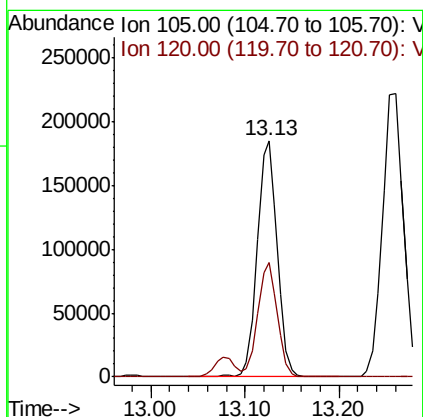
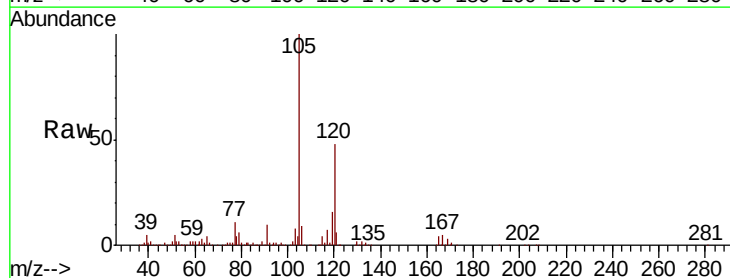
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBSD01

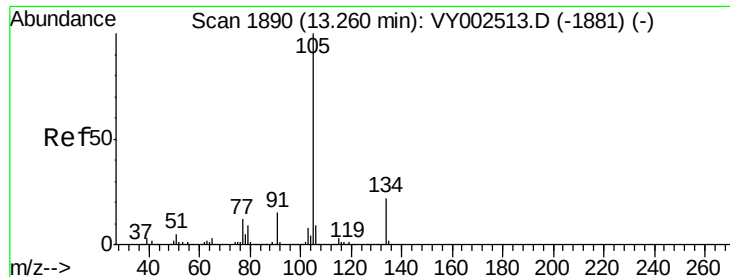
Tot Ion:119 Resp: 247755
 Ion Ratio Lower Upper
 119 100
 91 61.6 30.6 91.6
 134 26.7 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.708 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion:105 Resp: 276861
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.4 70.3





#85

sec-Butylbenzene

Concen: 21.093 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

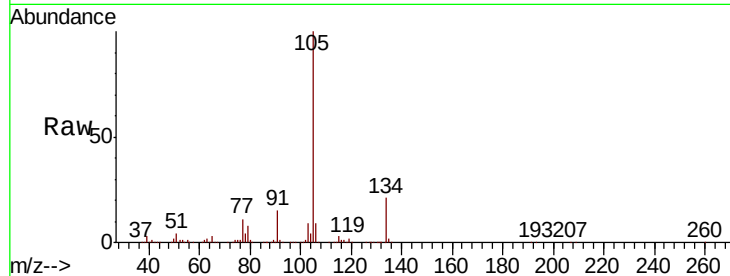
VY0507SBSD01

Tot Ion:105 Resp: 344280

Ion Ratio Lower Upper

105 100

134 20.8 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

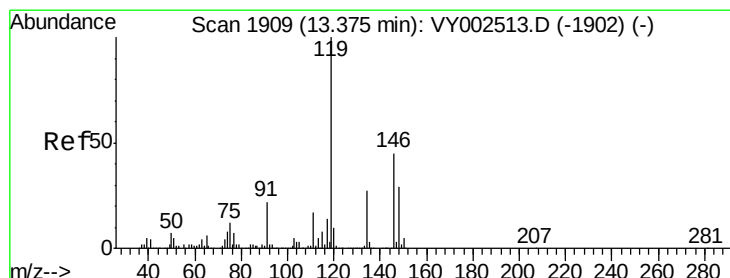
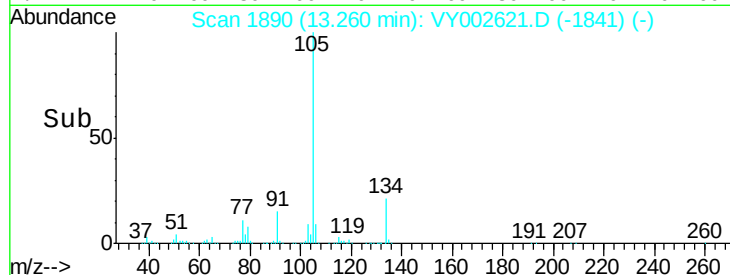
50000

0

13.20

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 20.904 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

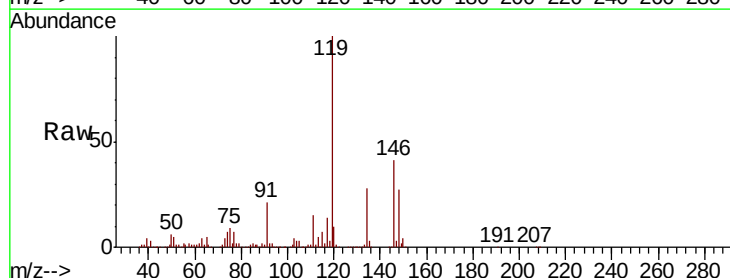
Tgt Ion:119 Resp: 319704

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 21.6 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

250000

200000

150000

100000

50000

0

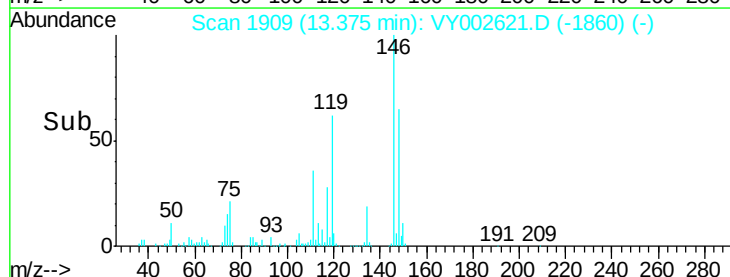
13.30

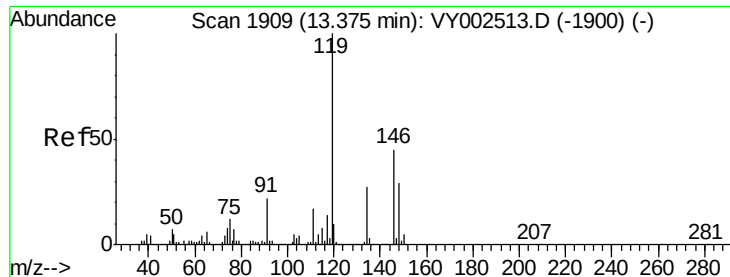
13.35

13.40

13.45

Time-->

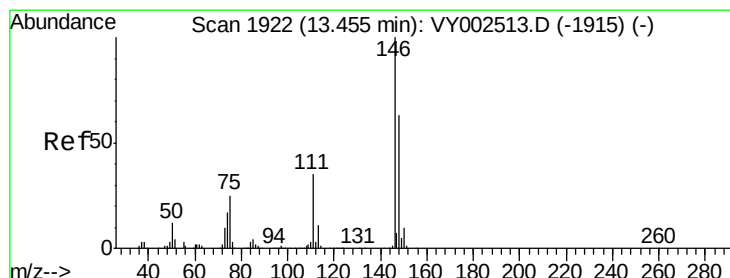
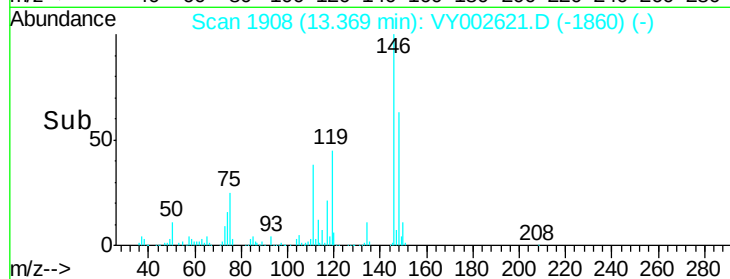
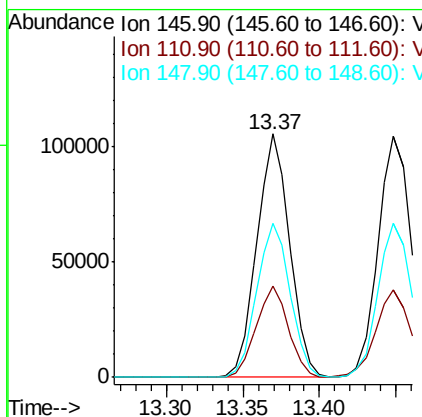
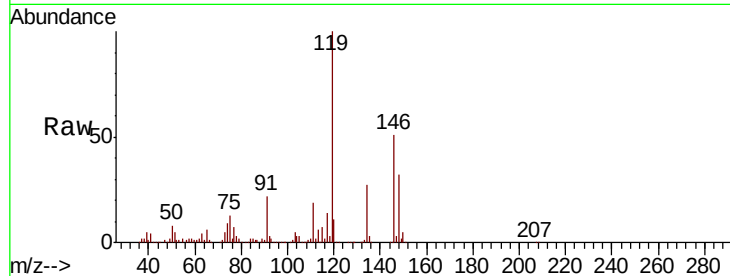




#87
 1,3-Dichlorobenzene
 Concen: 20.568 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

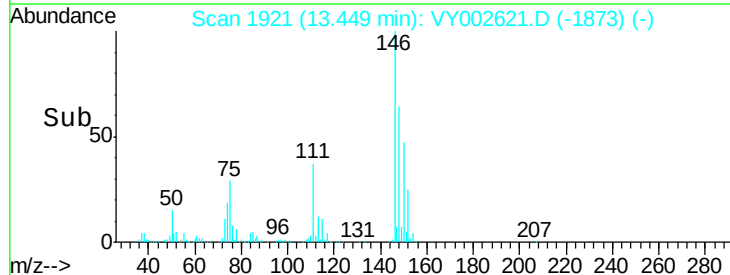
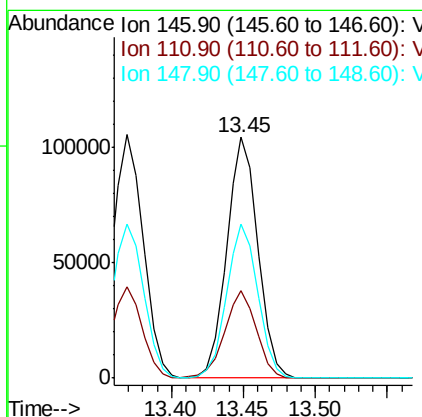
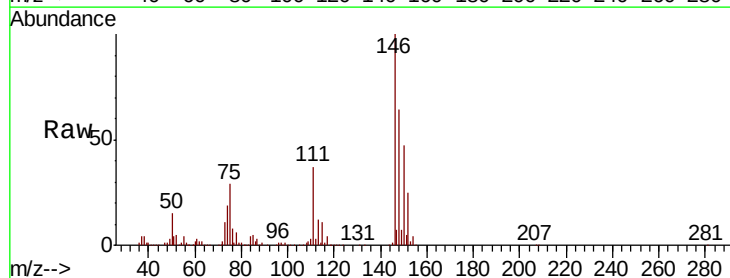
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBSD01

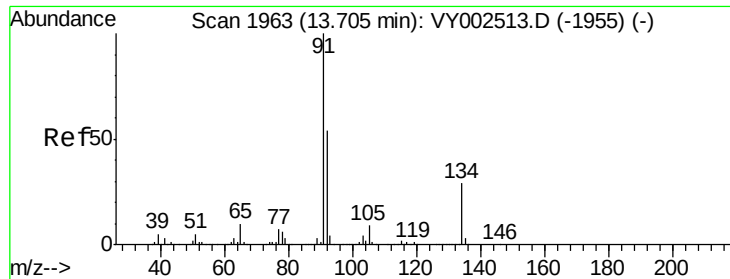
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	64.4	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.789 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.1
148	64.5	31.9	95.5

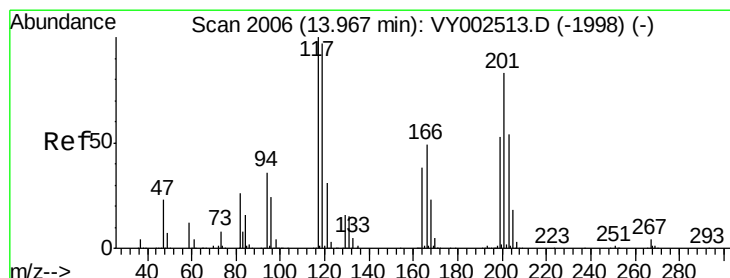
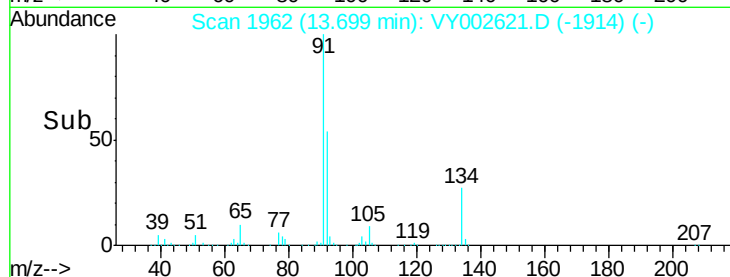
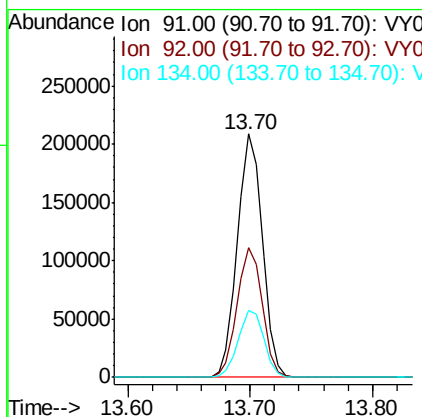
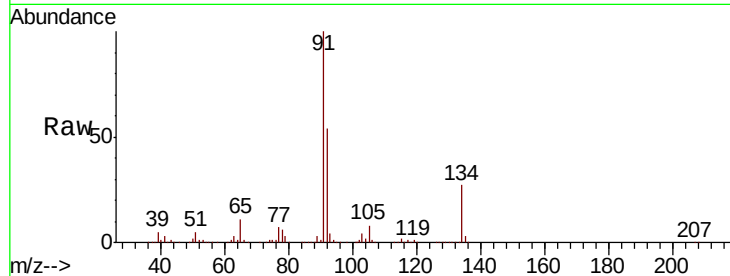




#89
n-Butylbenzene
Concen: 21.238 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

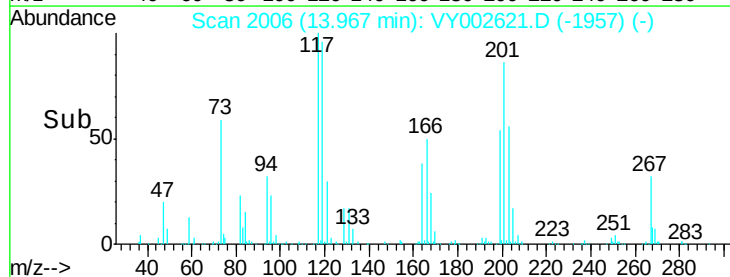
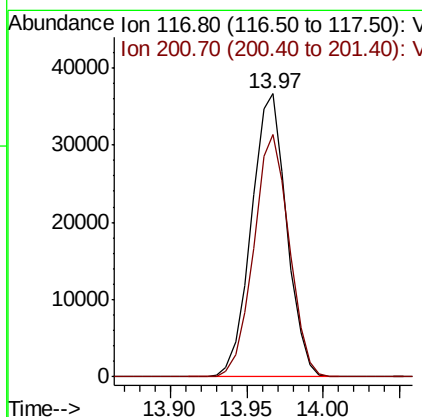
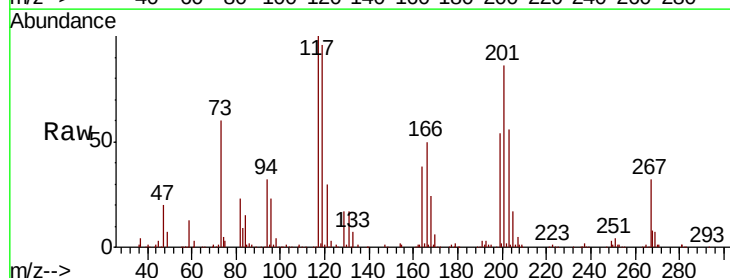
Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

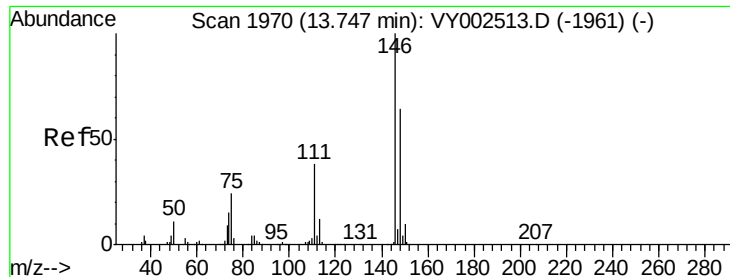
Tot Ion: 91 Resp: 295680
Ion Ratio Lower Upper
91 100
92 53.5 27.1 81.3
134 28.2 14.4 43.0



#90
Hexachloroethane
Concen: 21.073 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion: 117 Resp: 58691
Ion Ratio Lower Upper
117 100
201 86.2 44.4 133.2





#91

1,2-Dichlorobenzene

Concen: 20.729 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBSD01

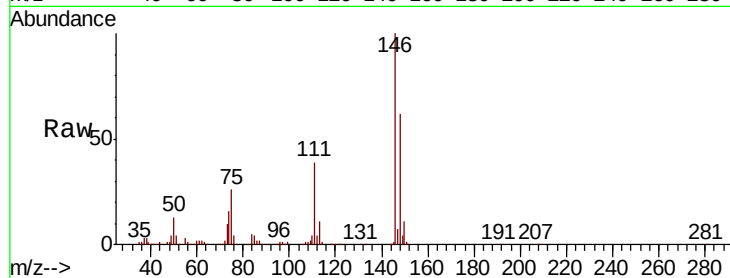
Tot Ion:146 Resp: 141545

Ion Ratio Lower Upper

146 100

111 39.2 19.1 57.5

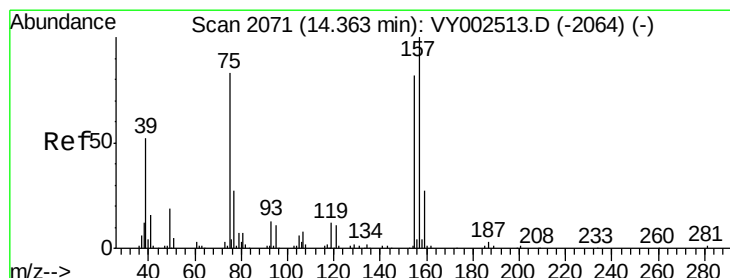
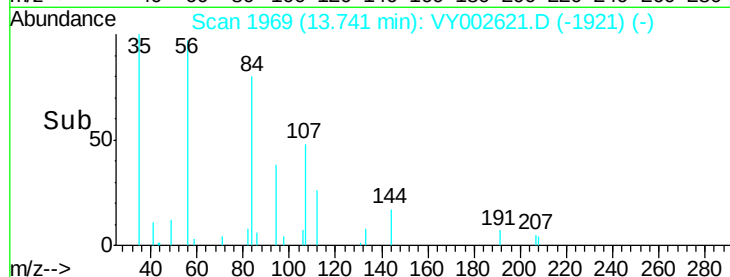
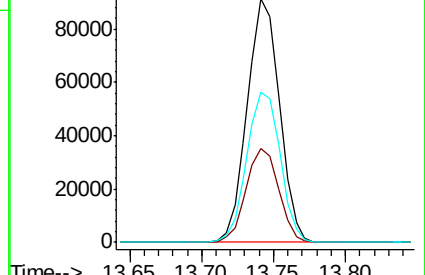
148 63.9 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.037 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

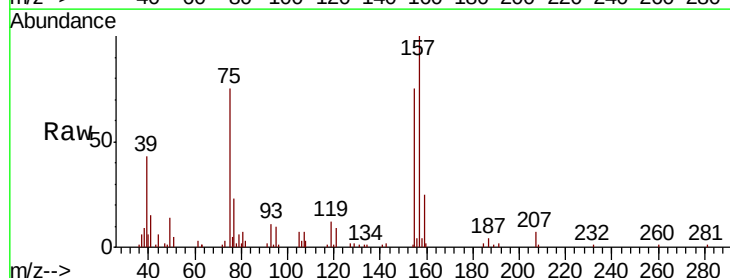
Tgt Ion: 75 Resp: 9613

Ion Ratio Lower Upper

75 100

155 99.7 51.3 153.9

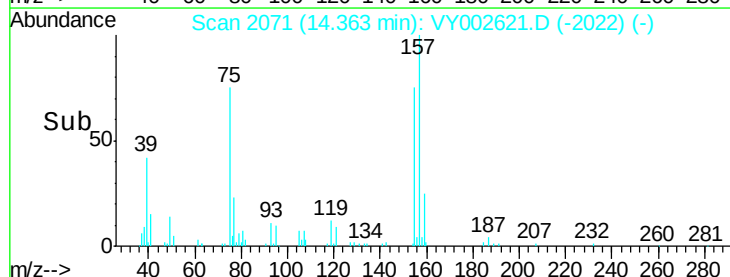
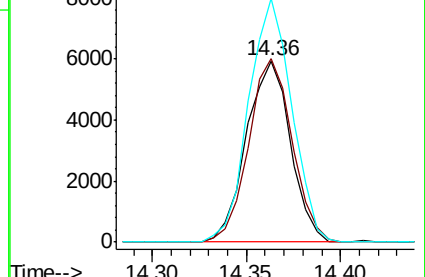
157 131.7 65.0 195.0

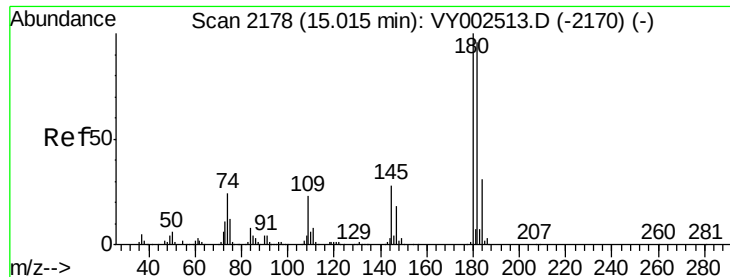


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

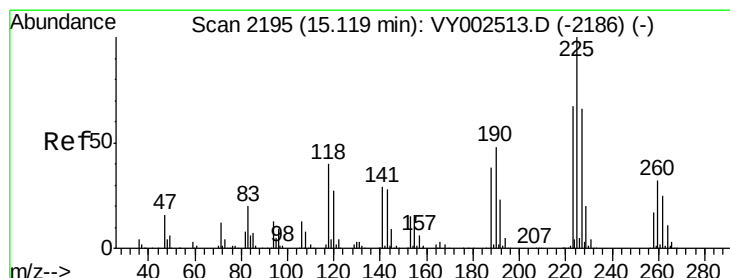
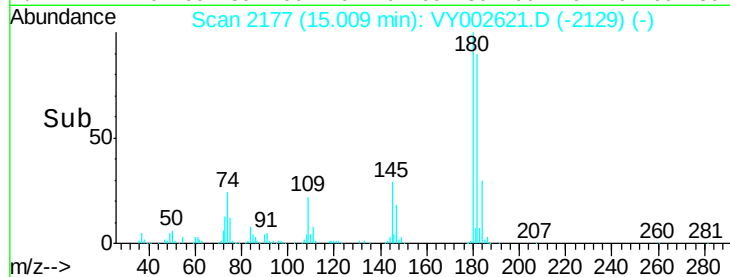
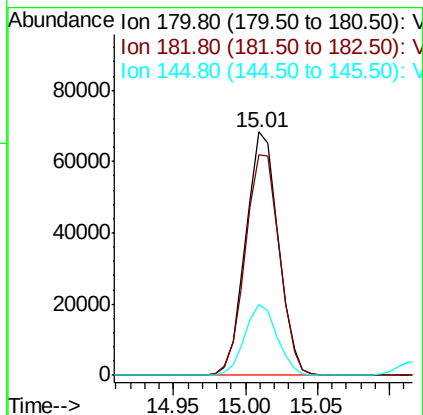
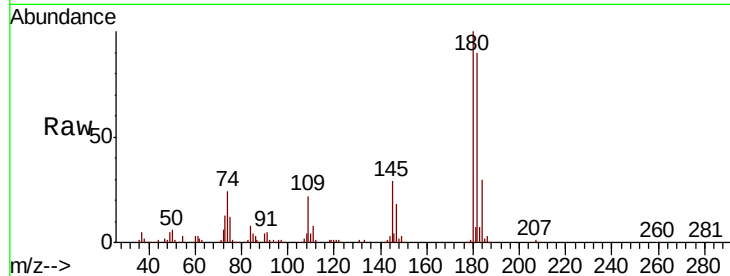




#93
 1,2,4-Trichlorobenzene
 Concen: 21.611 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

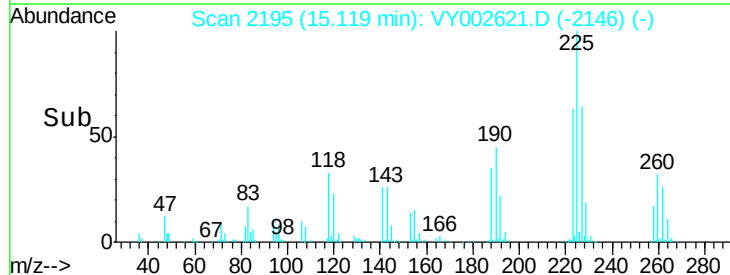
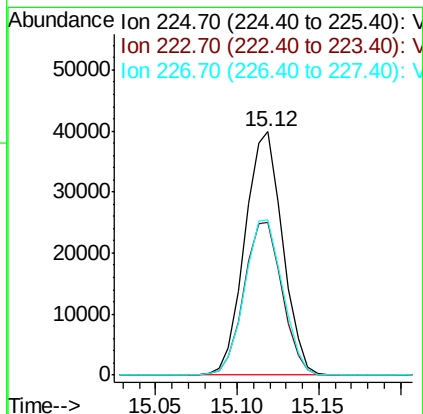
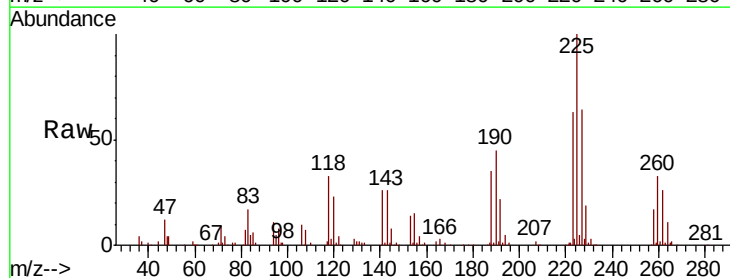
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBSD01

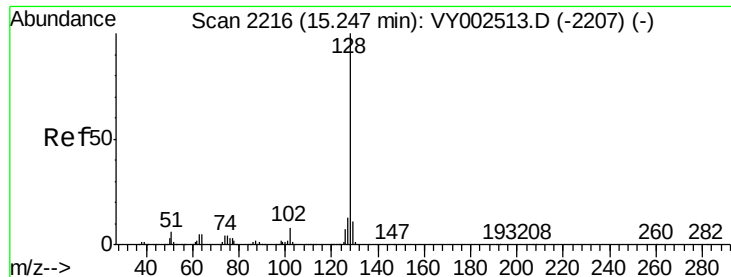
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	29.0	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 21.610 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	32.1	96.5
227	64.3	32.0	96.2

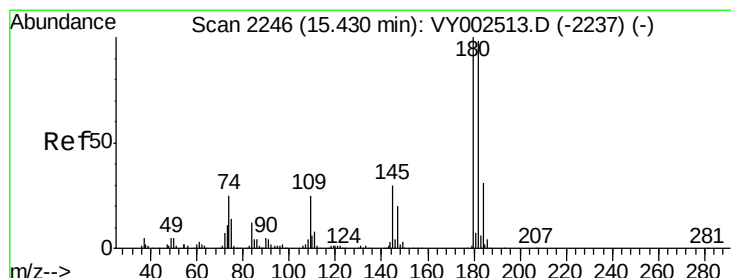
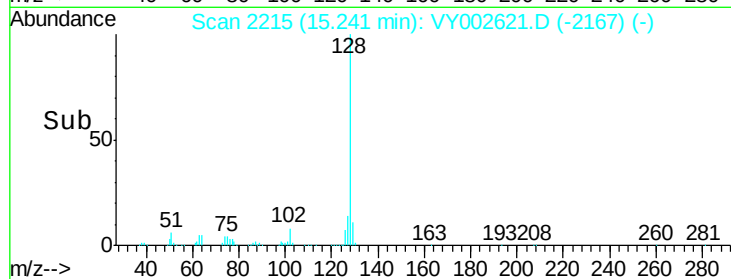
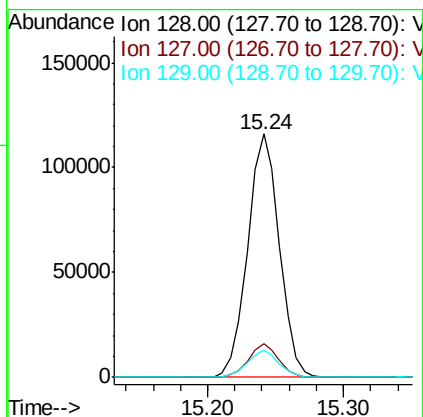
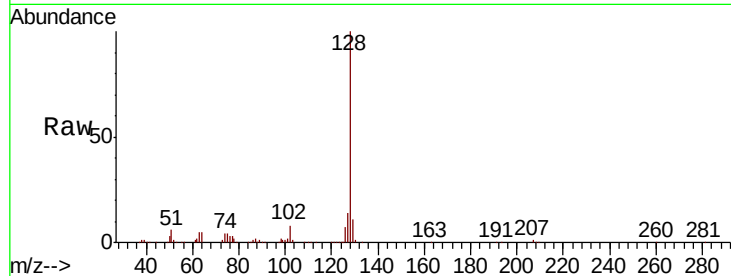




#95
Naphthalene
Concen: 20.916 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

Tot Ion:128 Resp: 189161
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.469 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion:180 Resp: 90356
Ion Ratio Lower Upper
180 100
182 94.1 47.9 143.8
145 31.0 15.0 45.1

