

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051320\
 Data File : VY002689.D
 Acq On : 13 May 2020 16:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 14 02:58:19 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	7.80	168	332533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	474910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	404084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	197347	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	94335	33.74	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	67.48%	
35) Dibromofluoromethane	7.73	113	120891	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	
50) Toluene-d8	10.18	98	513491	48.41	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.82%	
62) 4-Bromofluorobenzene	12.48	95	157563	43.78	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	87.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	126216	46.080	ug/l	99
3) Chloromethane	2.11	50	129127	47.929	ug/l	99
4) Vinyl Chloride	2.26	62	156269	50.233	ug/l	99
5) Bromomethane	2.66	94	96595	45.026	ug/l	99
6) Chloroethane	2.80	64	90607	48.779	ug/l	99
7) Trichlorofluoromethane	3.13	101	237021	49.160	ug/l	100
8) Diethyl Ether	3.54	74	58214	35.929	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	146750	49.801	ug/l	99
10) Methyl Iodide	4.10	142	178673	44.506	ug/l	98
11) Tert butyl alcohol	4.97	59	29628	102.997	ug/l	100
12) 1,1-Dichloroethene	3.88	96	142247	49.691	ug/l	97
13) Acrolein	3.74	56	15988	80.375	ug/l	94
14) Allyl chloride	4.49	41	193936	46.498	ug/l	98
15) Acrylonitrile	5.18	53	100688	131.778	ug/l	99
16) Acetone	3.96	43	67271	116.581	ug/l	93
17) Carbon Disulfide	4.21	76	419600	48.723	ug/l	99
18) Methyl Acetate	4.49	43	48137	24.967	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	254111	34.024	ug/l	98
20) Methylene Chloride	4.72	84	128904	39.948	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	154683	49.439	ug/l	96
22) Diisopropyl ether	6.13	45	364672	43.212	ug/l	94
23) Vinyl Acetate	6.07	43	858616	161.777	ug/l	100
24) 1,1-Dichloroethane	6.03	63	236603	47.391	ug/l	99
25) 2-Butanone	7.00	43	115808	122.604	ug/l	99
26) 2,2-Dichloropropane	6.99	77	219040	46.156	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	160421	46.338	ug/l	98
28) Bromochloromethane	7.35	49	84539	41.328	ug/l	98
29) Tetrahydrofuran	7.36	42	79497	127.207	ug/l	99
30) Chloroform	7.52	83	235672	45.398	ug/l	96
31) Cyclohexane	7.79	56	239245	47.606	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	234514	48.603	ug/l	100
36) 1,1-Dichloropropene	7.92	75	205460	51.607	ug/l	100
37) Ethyl Acetate	7.08	43	56832	27.779	ug/l	100
38) Carbon Tetrachloride	7.91	117	221856	51.042	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	274907	52.279	ug/l	99
40) Benzene	8.17	78	565081	49.144	ug/l	99
41) Methacrylonitrile	7.35	41	74286	67.533	ug/l #	1
42) 1,2-Dichloroethane	8.24	62	115717	35.877	ug/l	99
43) Isopropyl Acetate	8.28	43	112455	29.320	ug/l	96
44) Trichloroethene	8.94	130	181369	50.472	ug/l	99
45) 1,2-Dichloropropane	9.22	63	124971	45.032	ug/l	99
46) Dibromomethane	9.31	93	55852	34.980	ug/l	99
47) Bromodichloromethane	9.50	83	165563	42.644	ug/l	99
48) Methyl methacrylate	9.30	41	53145	30.617	ug/l	98
49) 1,4-Dioxane	9.30	88	11848	560.432	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	277337	140.288	ug/l	99
52) Toluene	10.25	92	367844	49.777	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	152645	37.525	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	196055	41.691	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	83398	35.817	ug/l	98
56) Ethyl methacrylate	10.51	69	104523	33.744	ug/l	96
57) 1,3-Dichloropropane	10.79	76	142866	36.181	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	273497	167.430	ug/l	100
59) 2-Hexanone	10.83	43	184029	135.252	ug/l	99
60) Dibromochloromethane	10.99	129	112089	37.849	ug/l	100
61) 1,2-Dibromoethane	11.09	107	76888	33.349	ug/l	100
64) Tetrachloroethene	10.72	164	201224	56.047	ug/l	99
65) Chlorobenzene	11.52	112	385011	50.121	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	136110	47.734	ug/l	100
67) Ethyl Benzene	11.59	91	722685	53.559	ug/l	100
68) m/p-Xylenes	11.70	106	556586	106.608	ug/l	100
69) o-Xylene	12.03	106	254690	52.101	ug/l	98
70) Styrene	12.05	104	415697	49.743	ug/l	99
71) Bromoform	12.21	173	62736	35.448	ug/l #	99
73) Isopropylbenzene	12.33	105	734082	57.395	ug/l	100
74) N-amyl acetate	12.14	43	109052	35.445	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	66640	32.762	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	110196	62.834	ug/l #	100
77) Bromobenzene	12.61	156	153787	48.127	ug/l	95
78) n-propylbenzene	12.67	91	846890	57.058	ug/l	100
79) 2-Chlorotoluene	12.75	91	445248	54.155	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	596499	56.263	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	28068	32.092	ug/l	99
82) 4-Chlorotoluene	12.85	91	451801	52.315	ug/l	100
83) tert-Butylbenzene	13.08	119	532247	57.256	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	570487	53.993	ug/l	99
85) sec-Butylbenzene	13.25	105	746616	57.880	ug/l	100
86) p-Isopropyltoluene	13.37	119	684451	56.629	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	306011	50.598	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	295543	49.351	ug/l	99
89) n-Butylbenzene	13.70	91	624891	56.793	ug/l	99
90) Hexachloroethane	13.96	117	126318	57.389	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	253039	46.889	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10408	27.450	ug/l	94

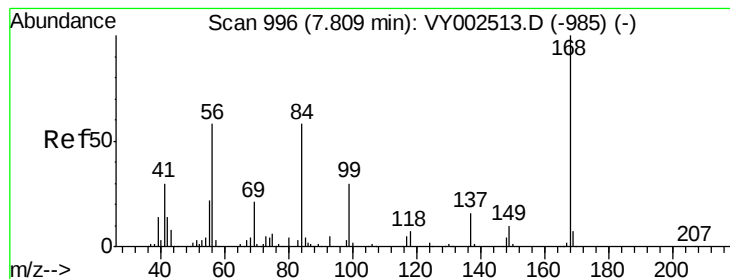
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Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	173893	44.383	ug/l	99
94) Hexachlorobutadiene	15.11	225	130571	55.520	ug/l	99
95) Naphthalene	15.23	128	232817	32.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	131159	39.434	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

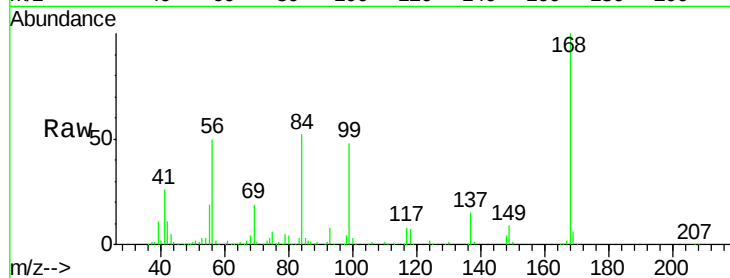
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 332533

Ion Ratio Lower Upper

168 100

99 47.6 39.2 58.8



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

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

7.80

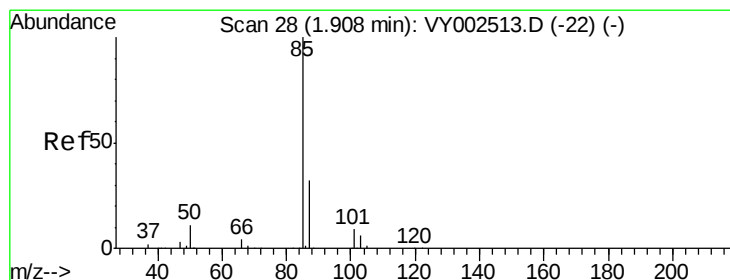
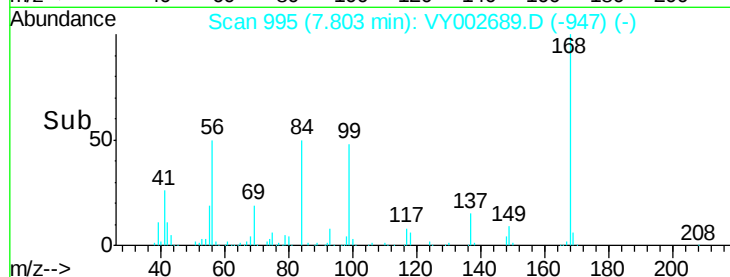
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.080 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002689.D

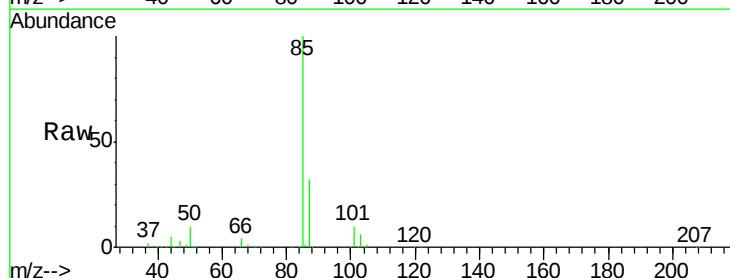
Acq: 13 May 2020 16:53

Tgt Ion: 85 Resp: 126216

Ion Ratio Lower Upper

85 100

87 32.4 15.8 47.4



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

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

1.91

100000

80000

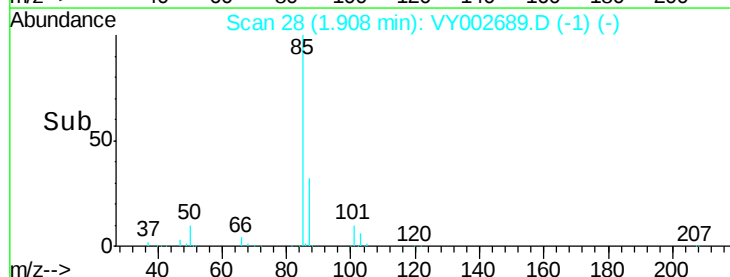
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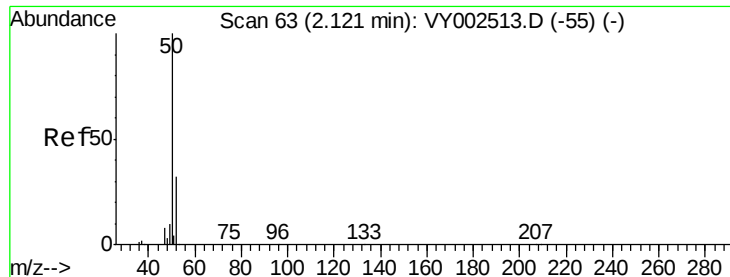
40000

20000

0

Time-->





#3

Chloromethane

Concen: 47.929 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

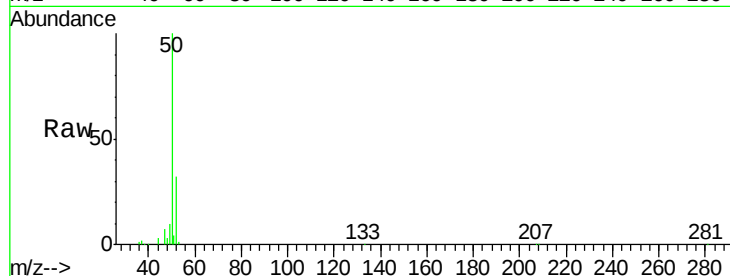
ClientSampleId :

Tot Ion: 50 Resp: 129127

Ion Ratio Lower Upper

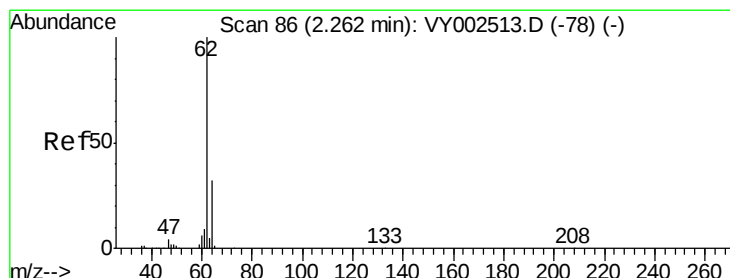
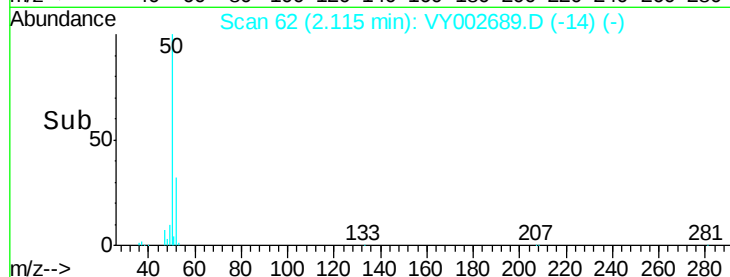
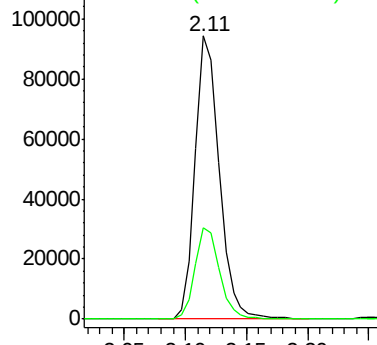
50 100

52 32.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 50.233 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002689.D

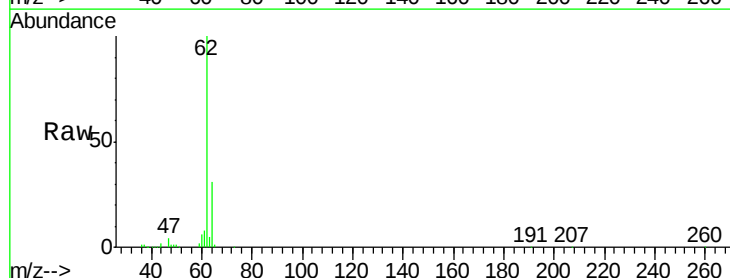
Acq: 13 May 2020 16:53

Tgt Ion: 62 Resp: 156269

Ion Ratio Lower Upper

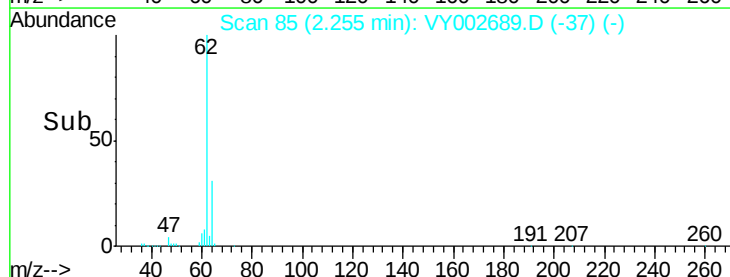
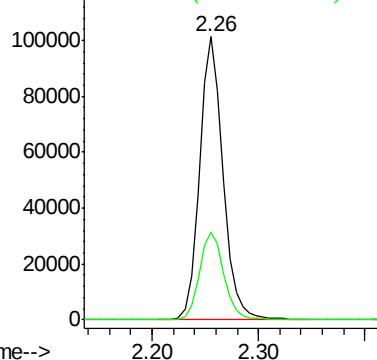
62 100

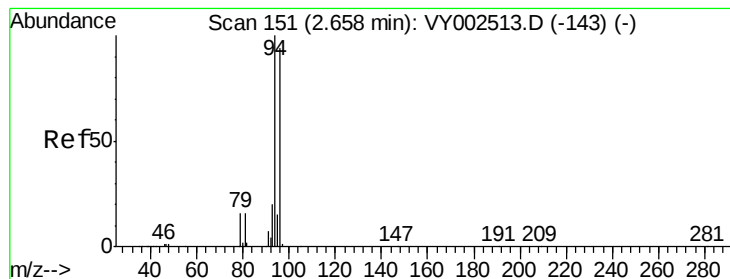
64 30.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 45.026 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.00 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

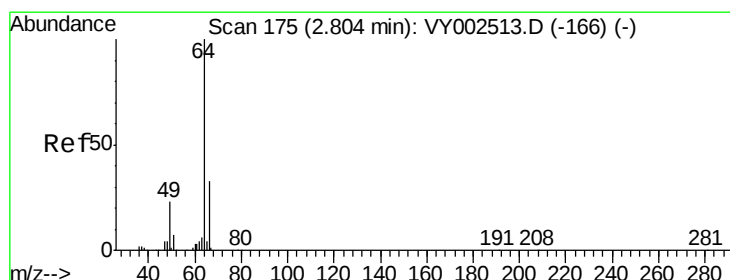
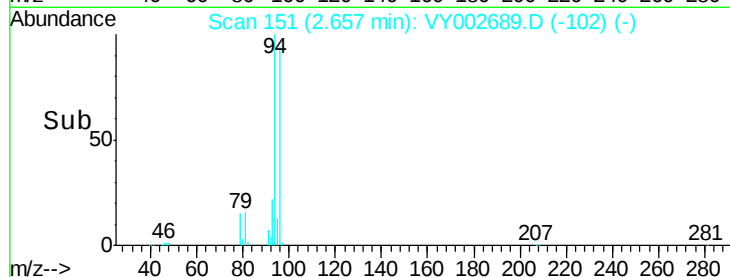
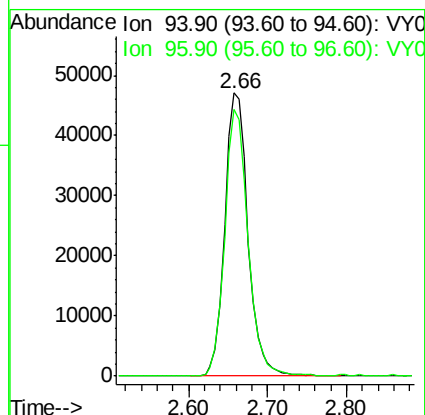
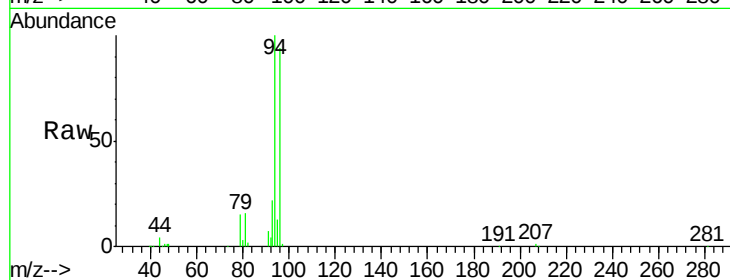
ClientSampleId :

Tot Ion: 94 Resp: 96595

Ion Ratio Lower Upper

94 100

96 94.4 74.9 112.3



#6

Chloroethane

Concen: 48.779 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002689.D

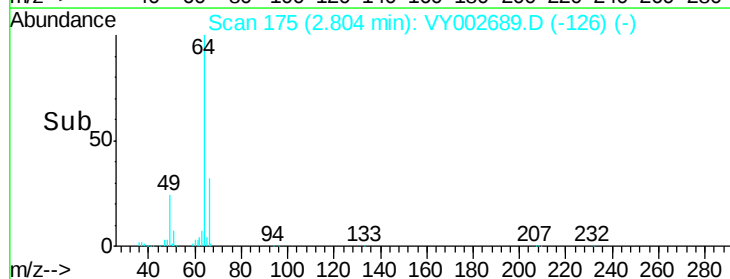
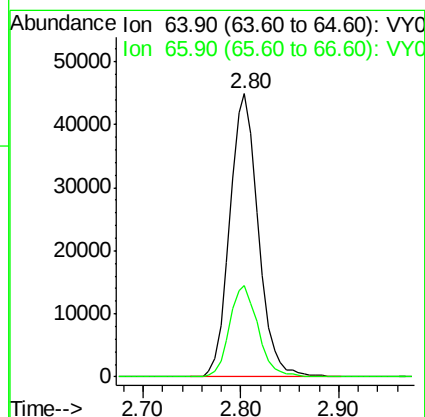
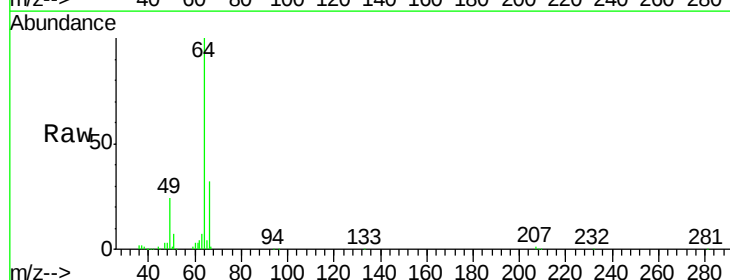
Acq: 13 May 2020 16:53

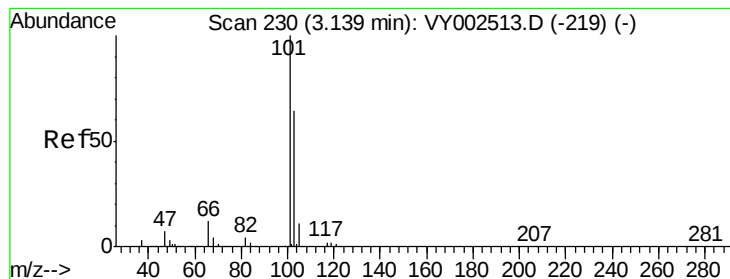
Tgt Ion: 64 Resp: 90607

Ion Ratio Lower Upper

64 100

66 32.1 26.3 39.5



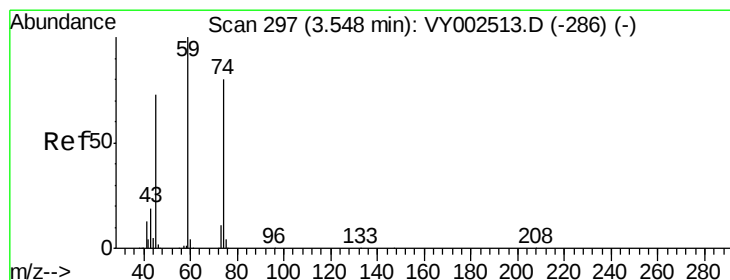
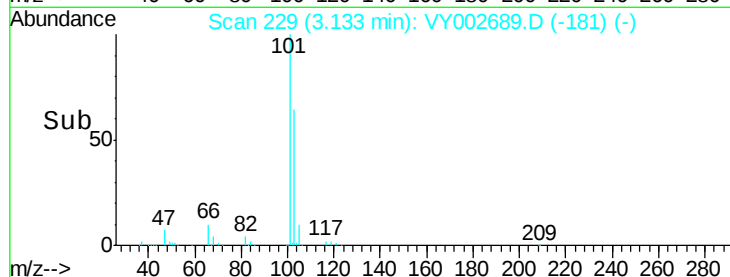
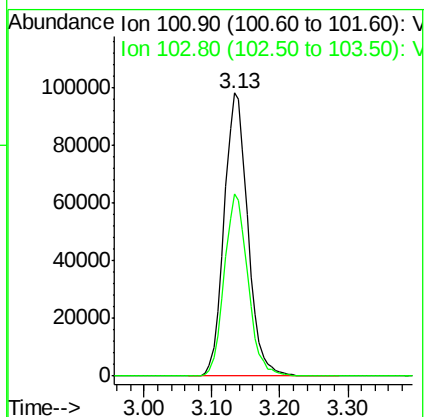
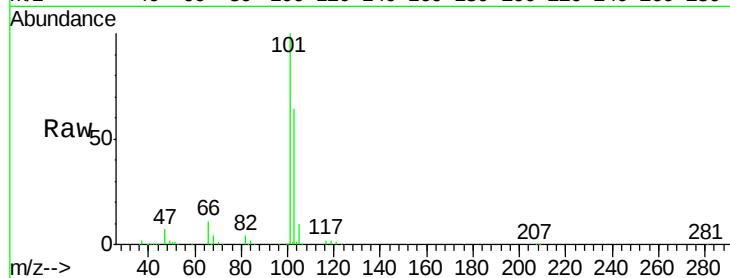


#7

Trichlorofluoromethane
Concen: 49.160 ug/l
RT: 3.13 min Scan# 229
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :

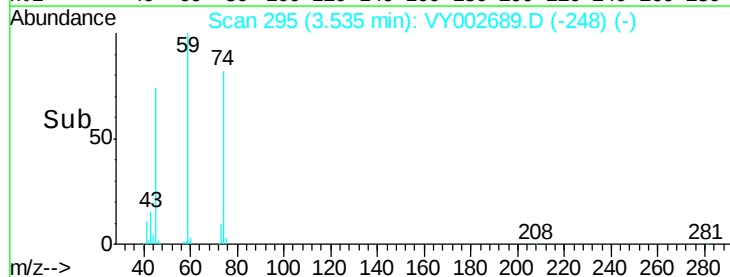
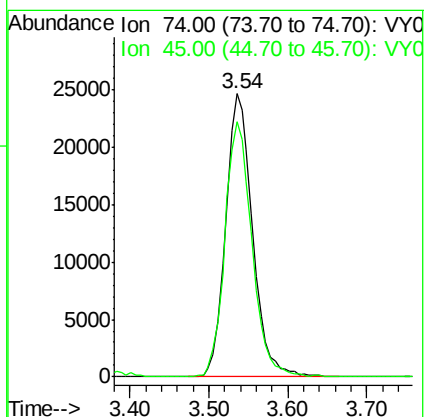
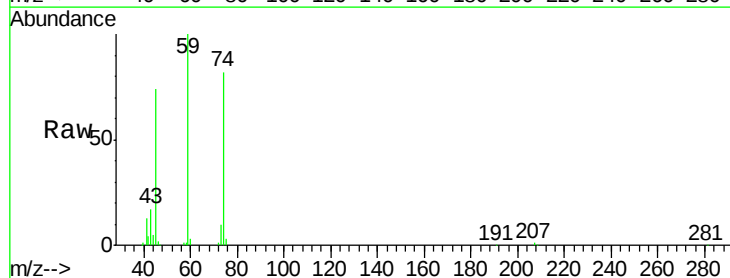
Tot Ion:101 Resp: 237021
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.0

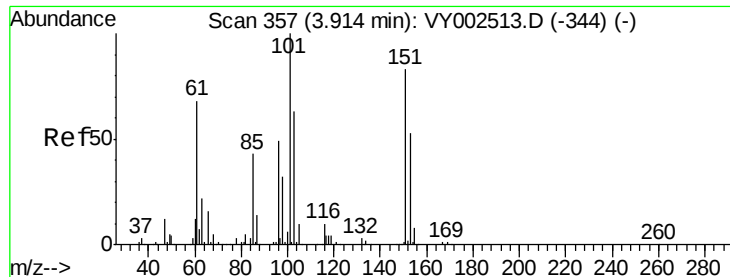


#8

Diethyl Ether
Concen: 35.929 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion: 74 Resp: 58214
Ion Ratio Lower Upper
74 100
45 91.2 46.2 138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.801 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

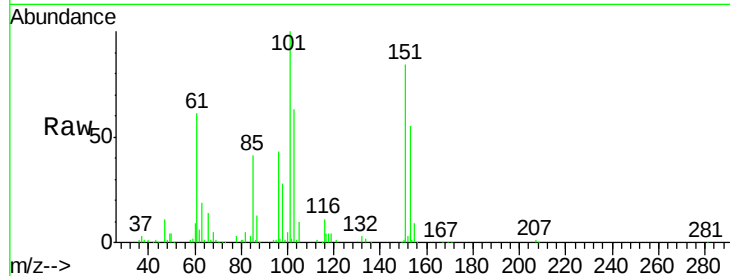
Tot Ion:101 Resp: 146750

Ion Ratio Lower Upper

101 100

85 41.9 33.4 50.2

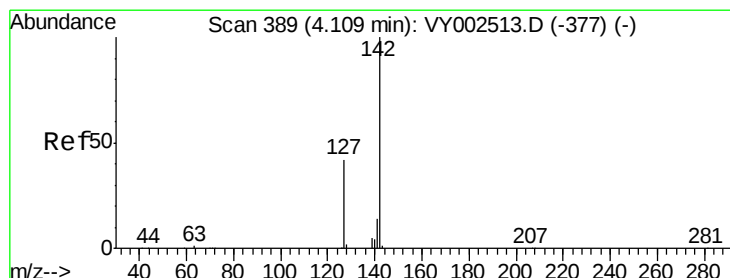
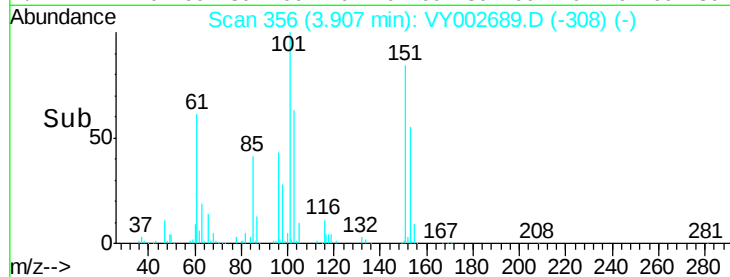
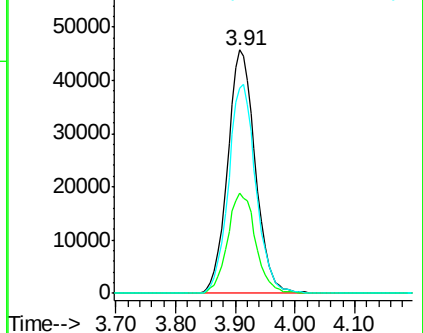
151 85.5 66.8 100.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.506 ug/l

RT: 4.10 min Scan# 388

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

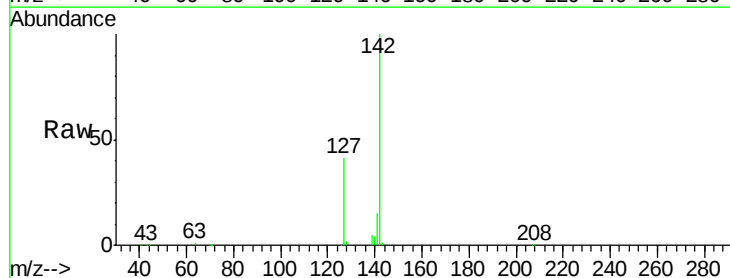
Tgt Ion:142 Resp: 178673

Ion Ratio Lower Upper

142 100

127 40.5 33.7 50.5

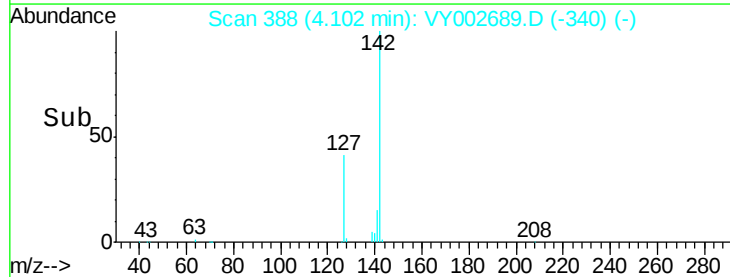
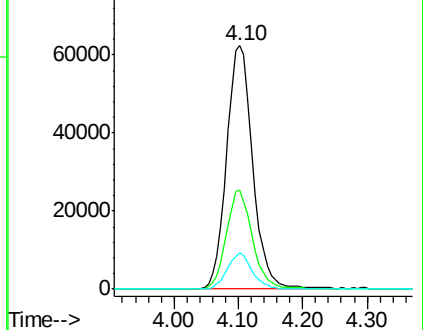
141 14.3 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



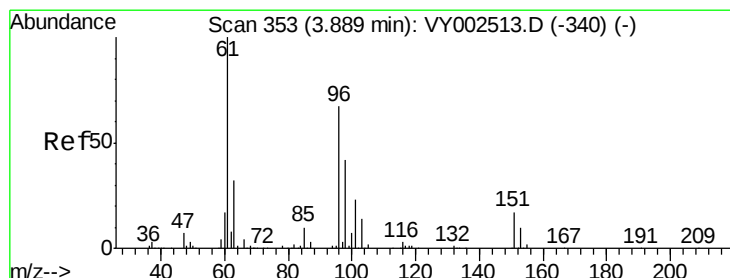
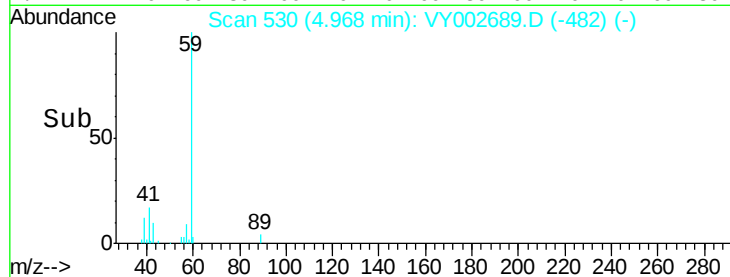
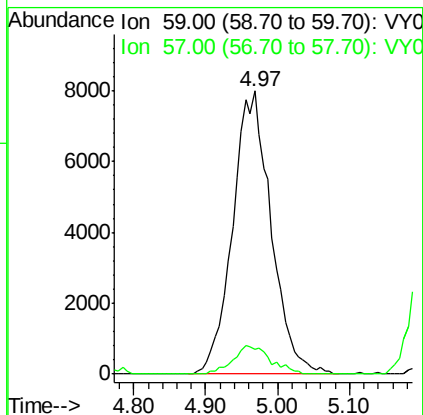
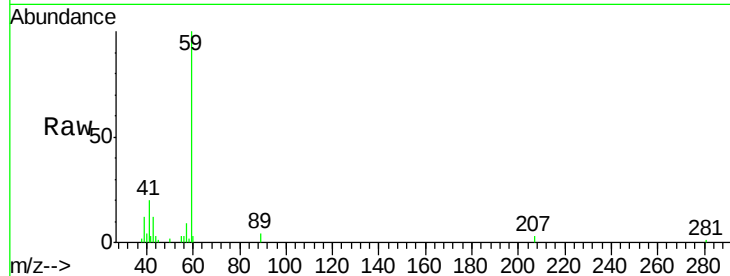


#11

Tert butyl alcohol
 Concen: 102.997 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :

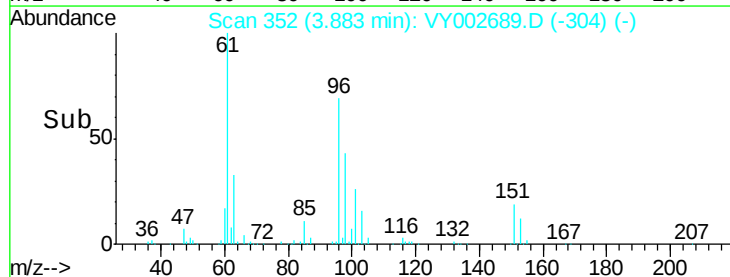
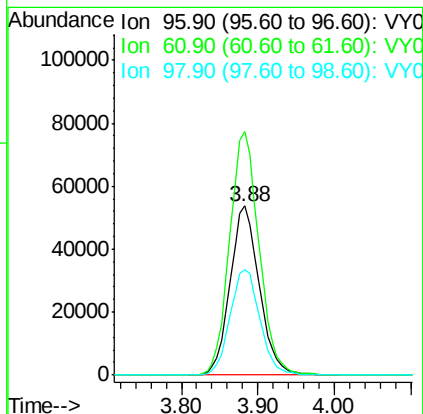
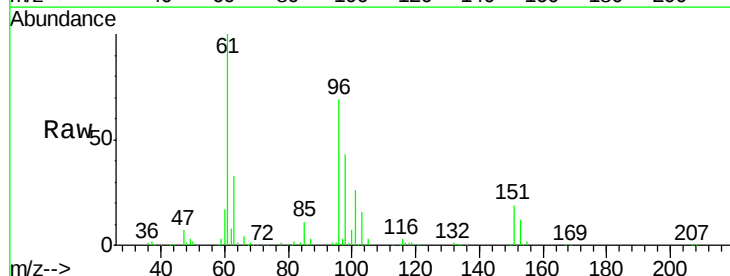
Tot Ion: 59 Resp: 29628
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.8 11.6

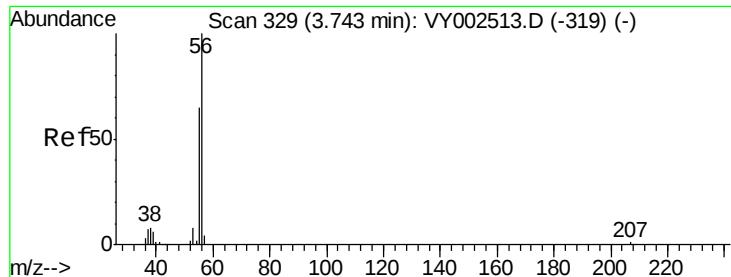


#12

1,1-Dichloroethene
 Concen: 49.691 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion: 96 Resp: 142247
 Ion Ratio Lower Upper
 96 100
 61 143.9 118.8 178.2
 98 62.6 49.6 74.4





#13

Acrolein

Concen: 80.375 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.00 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

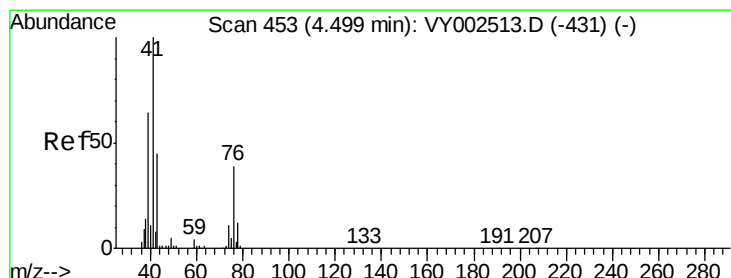
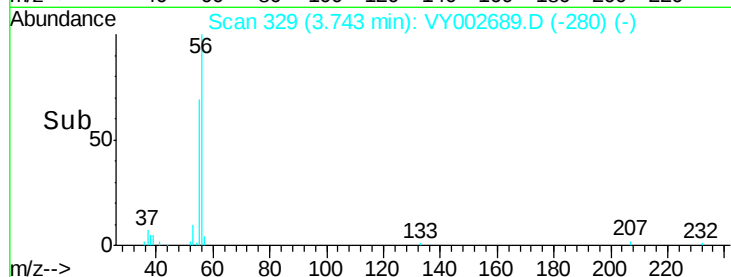
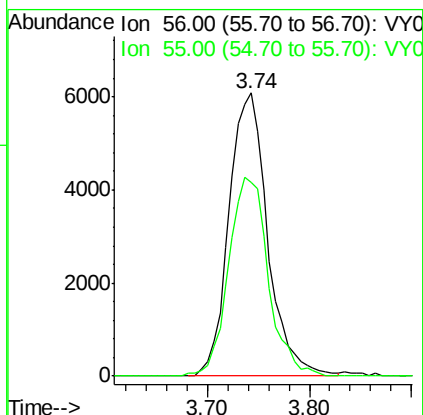
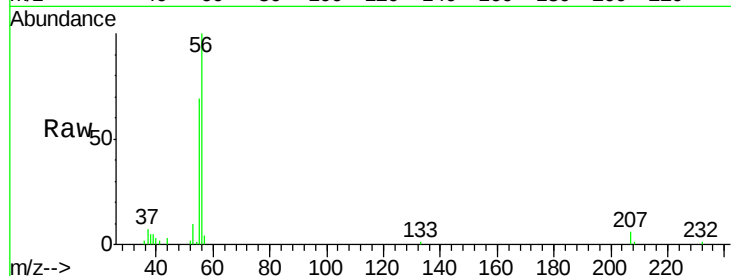
ClientSampleId :

Tot Ion: 56 Resp: 15988

Ion Ratio Lower Upper

56 100

55 71.8 53.8 80.6



#14

Allyl chloride

Concen: 46.498 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

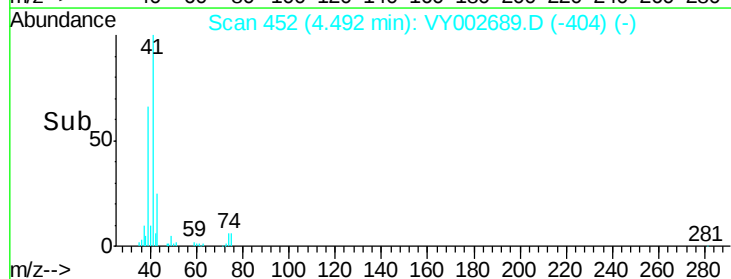
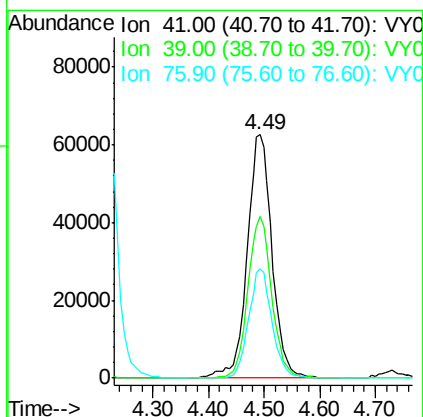
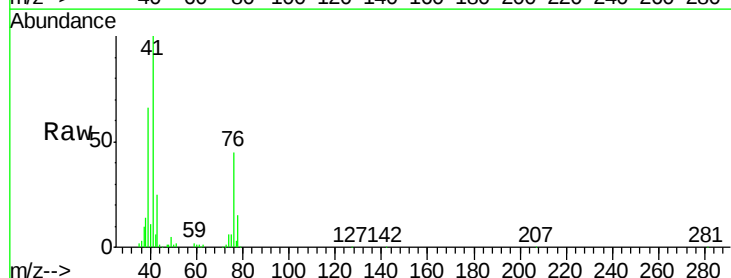
Tgt Ion: 41 Resp: 193936

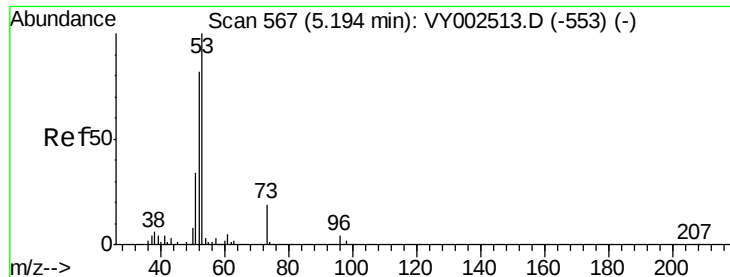
Ion Ratio Lower Upper

41 100

39 64.1 51.8 77.6

76 42.1 31.7 47.5





#15

Acrylonitrile

Concen: 131.778 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.02 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

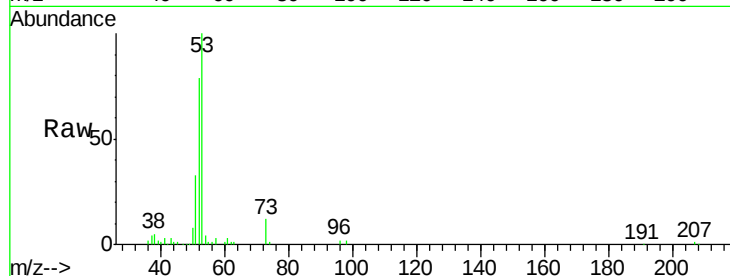
Tot Ion: 53 Resp: 100688

Ion Ratio Lower Upper

53 100

52 80.3 65.4 98.0

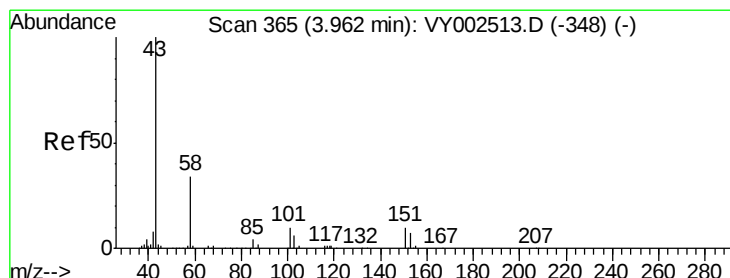
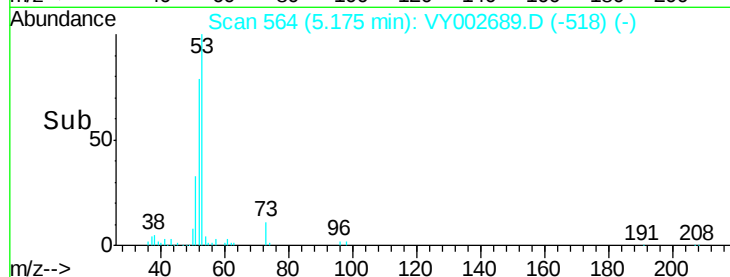
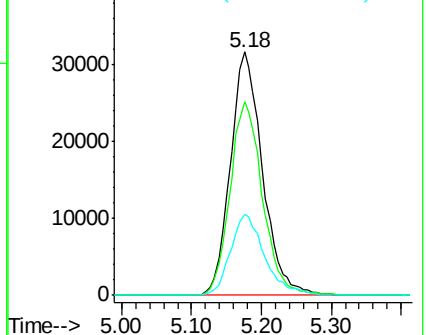
51 35.3 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 116.581 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY002689.D

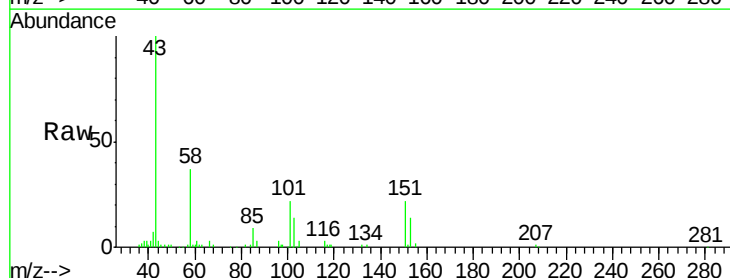
Acq: 13 May 2020 16:53

Tgt Ion: 43 Resp: 67271

Ion Ratio Lower Upper

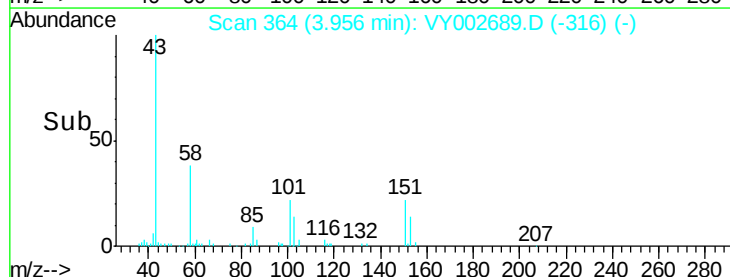
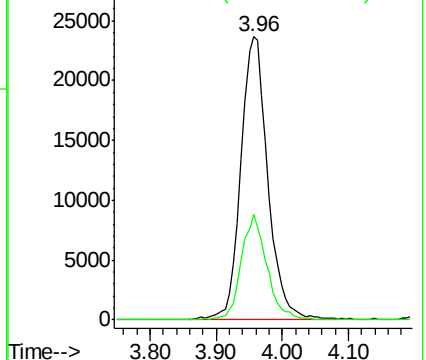
43 100

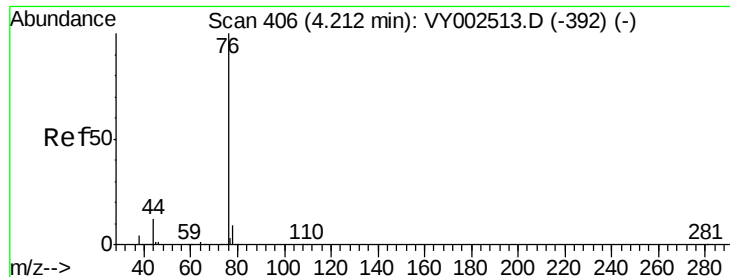
58 37.4 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

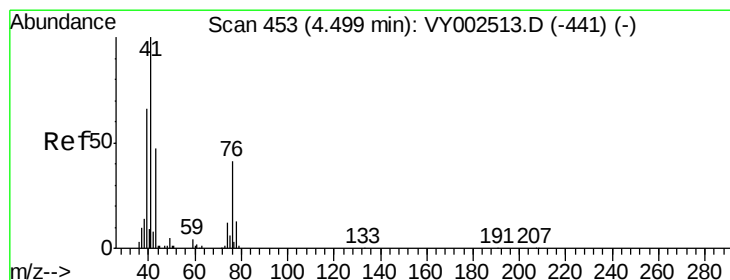
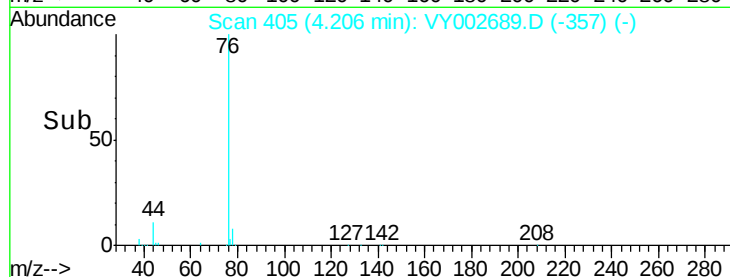
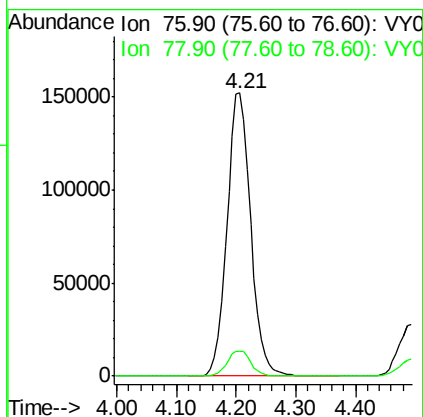
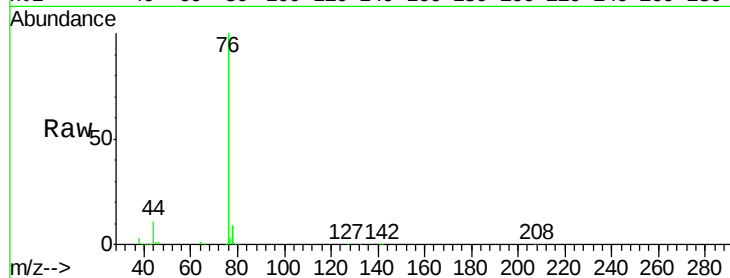




#17
Carbon Disulfide
Concen: 48.723 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

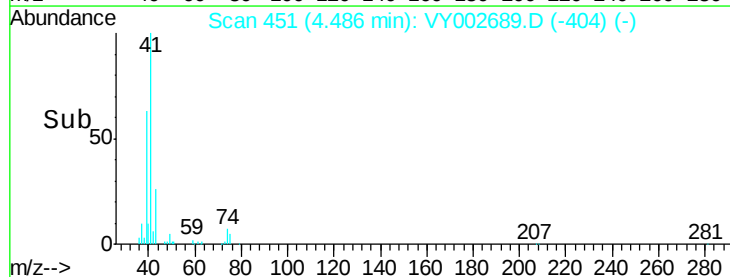
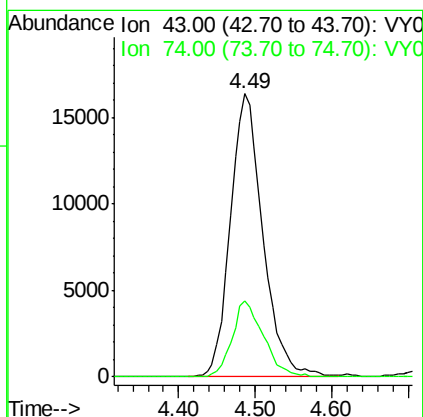
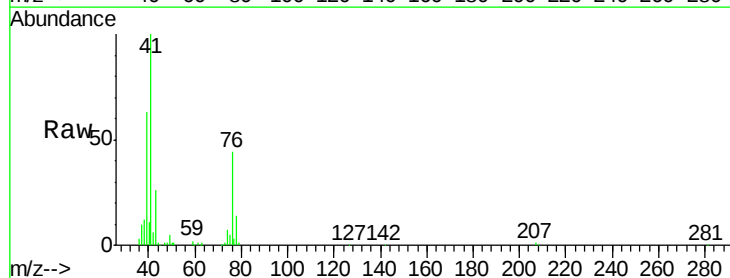
Instrument :
MSVOA_Y
ClientSampleId :

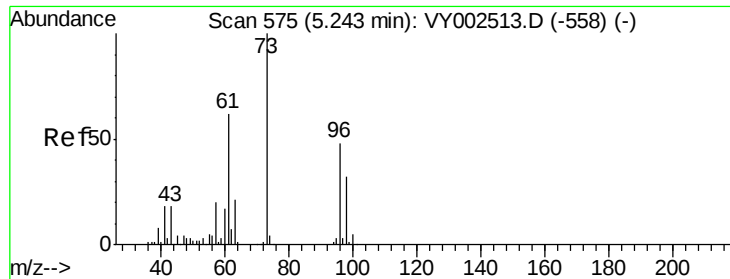
Tot Ion: 76 Resp: 419600
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 24.967 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion: 43 Resp: 48137
Ion Ratio Lower Upper
43 100
74 25.8 21.2 31.8

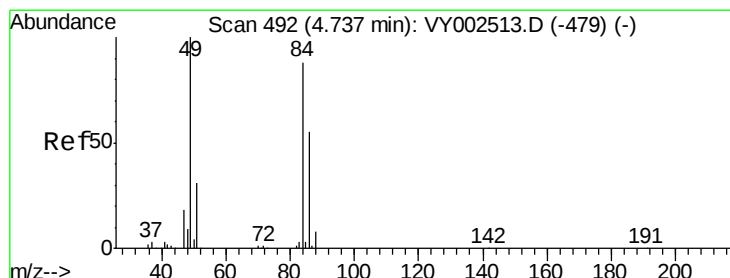
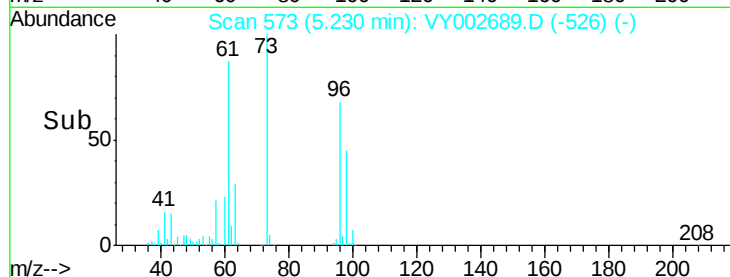
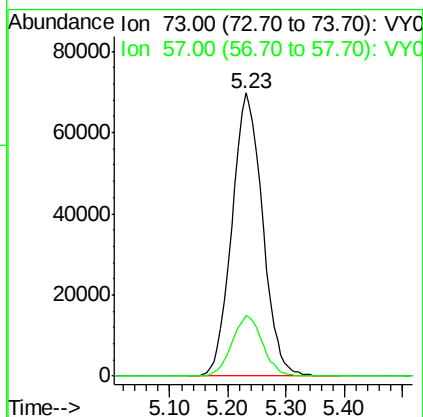
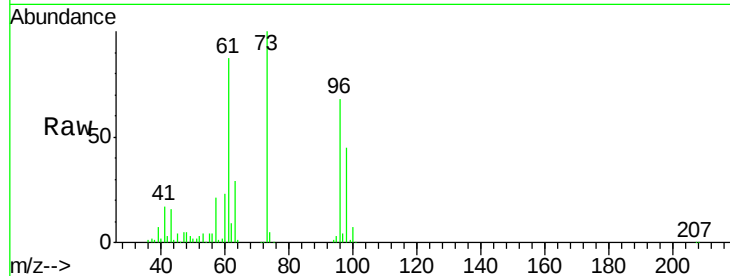




#19
Methvl tert-butvl Ether
Concen: 34.024 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

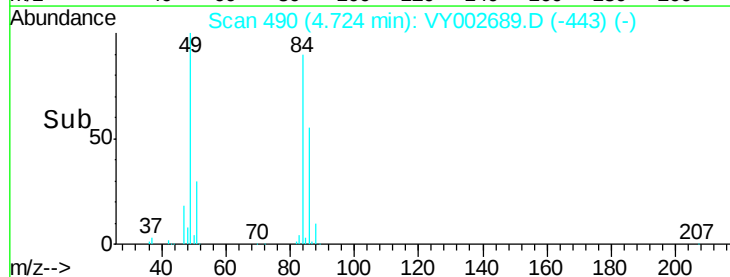
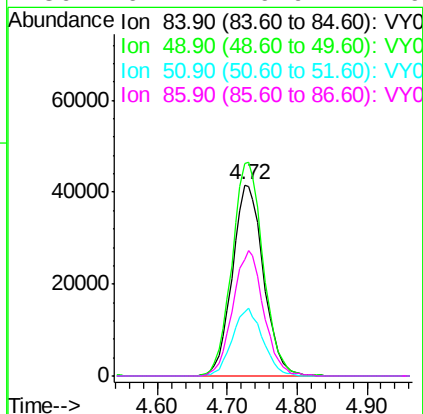
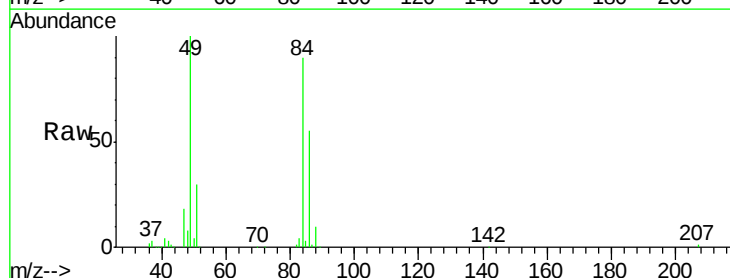
Instrument :
MSVOA_Y
ClientSampleId :

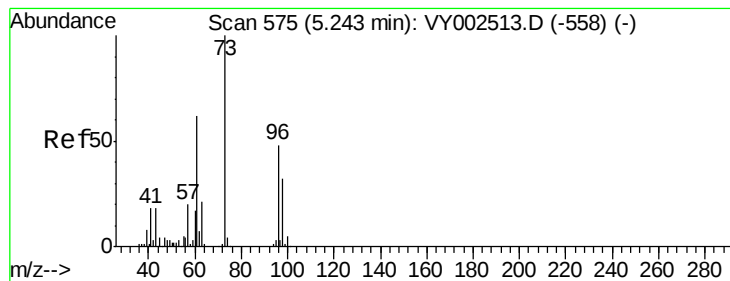
Tot Ion: 73 Resp: 254111
Ion Ratio Lower Upper
73 100
57 21.2 16.3 24.5



#20
Methylene Chloride
Concen: 39.948 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion: 84 Resp: 128904
Ion Ratio Lower Upper
84 100
49 111.1 90.5 135.7
51 33.5 28.3 42.5
86 61.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.439 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

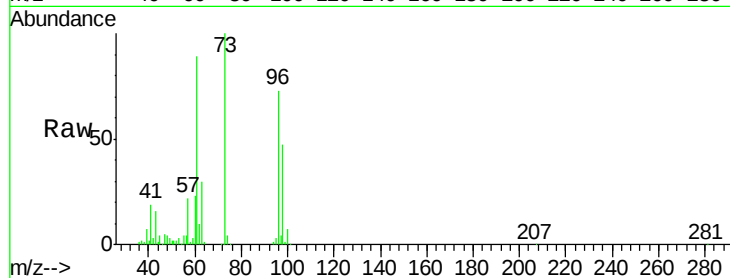
Tot Ion: 96 Resp: 154683

Ion Ratio Lower Upper

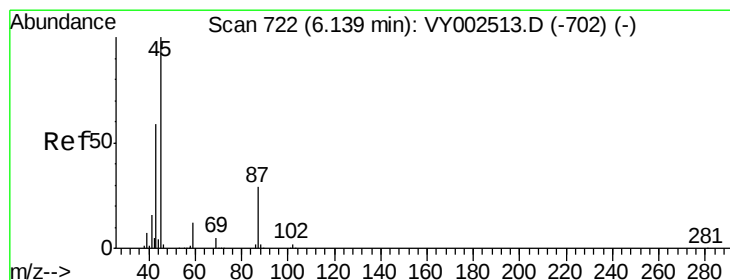
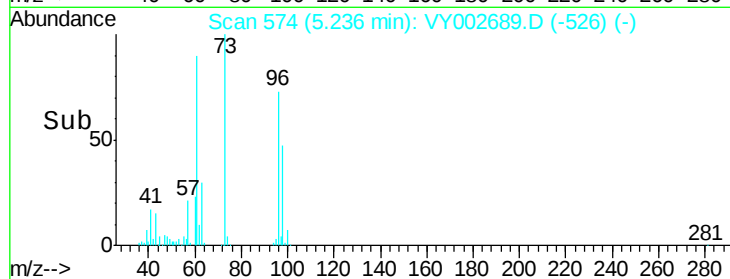
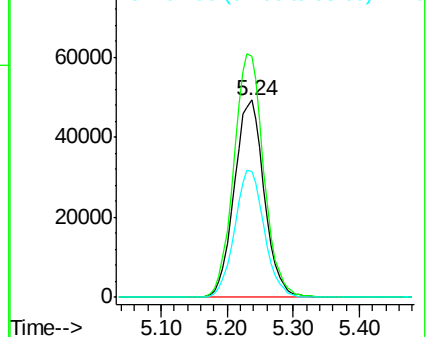
96 100

61 122.2 102.0 153.0

98 63.7 53.0 79.4



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



#22

Diisopropyl ether

Concen: 43.212 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Tgt Ion: 45 Resp: 364672

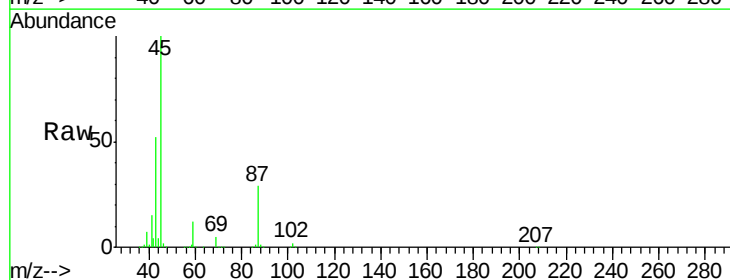
Ion Ratio Lower Upper

45 100

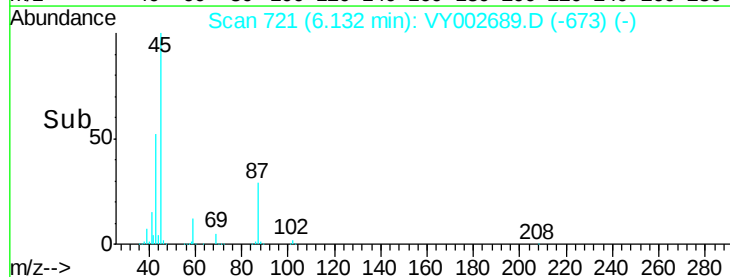
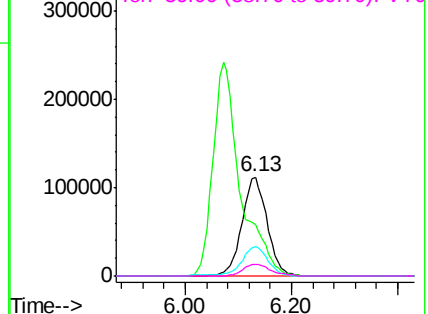
43 51.6 47.4 71.0

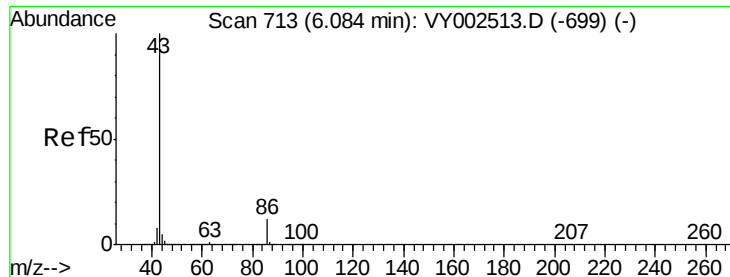
87 29.4 24.0 36.0

59 12.2 9.8 14.8



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 161.777 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

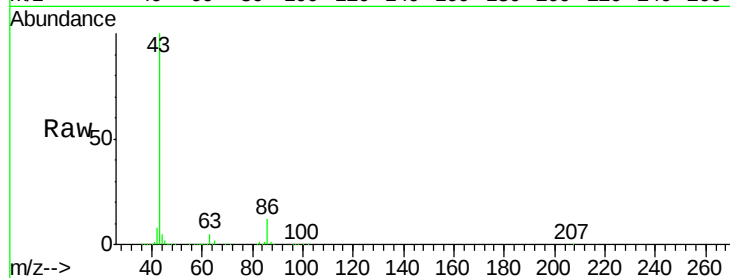
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 858616

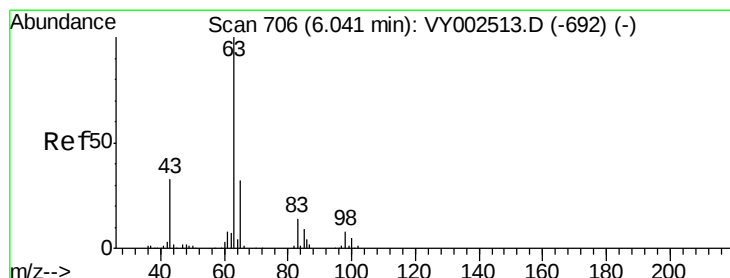
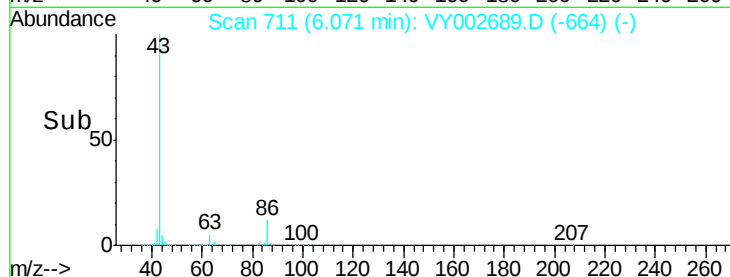
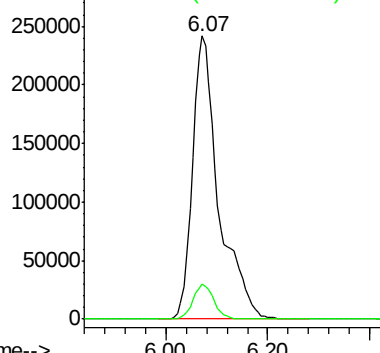
Ion Ratio Lower Upper

43 100

86 12.3 9.8 14.6



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



#24

1,1-Dichloroethane

Concen: 47.391 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

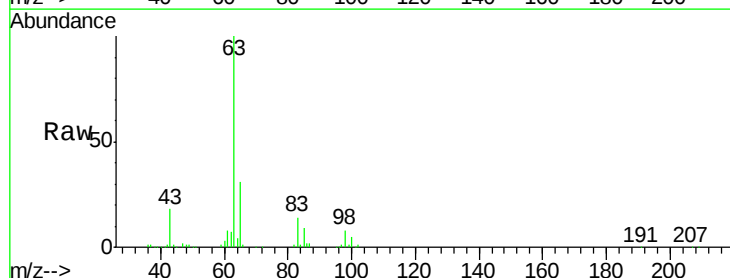
Tgt Ion: 63 Resp: 236603

Ion Ratio Lower Upper

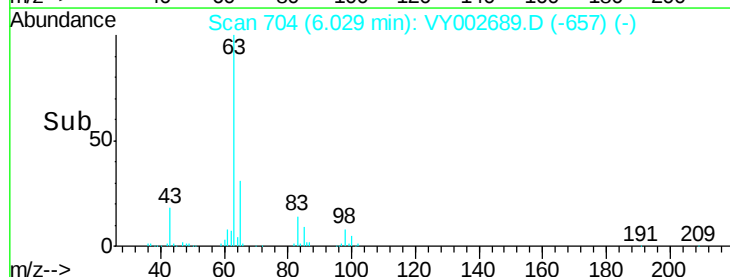
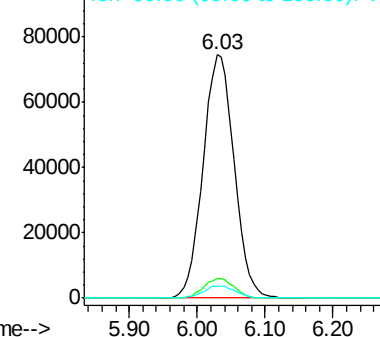
63 100

98 8.1 3.9 11.7

100 4.9 2.4 7.2



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





#25

2-Butanone

Concen: 122.604 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

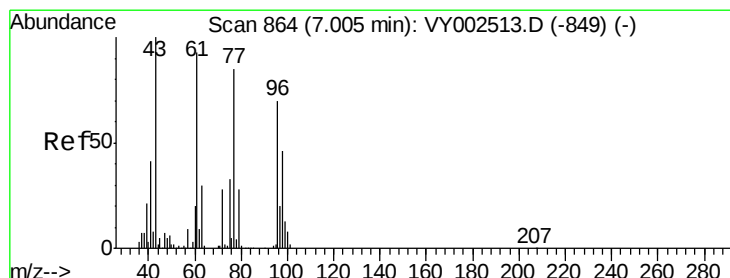
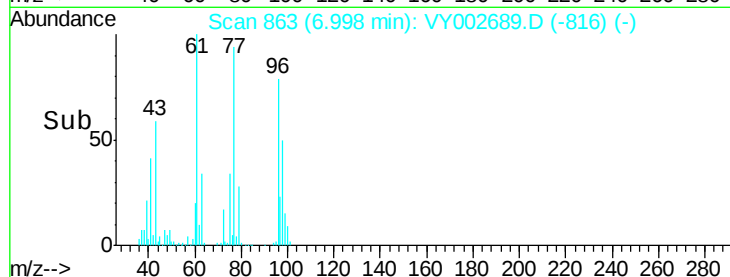
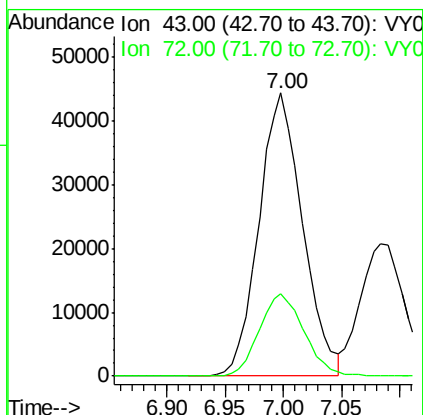
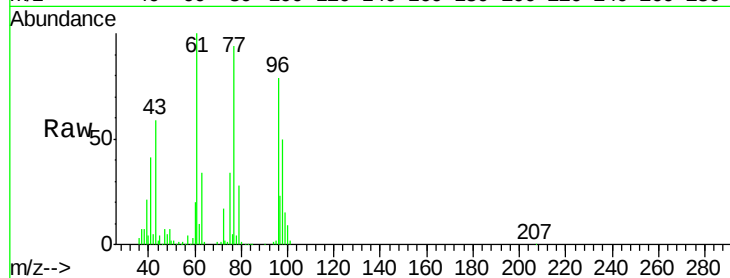
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 115808

Ion Ratio Lower Upper

43 100

72 29.3 24.1 36.1



#26

2,2-Dichloropropane

Concen: 46.156 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002689.D

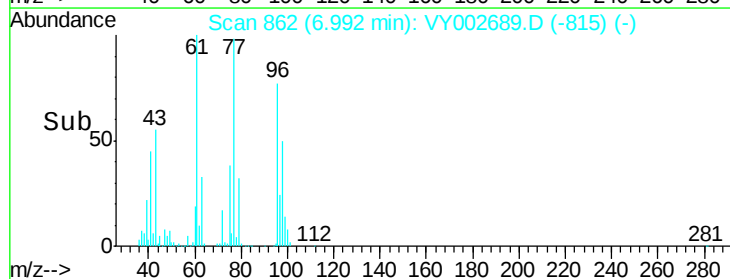
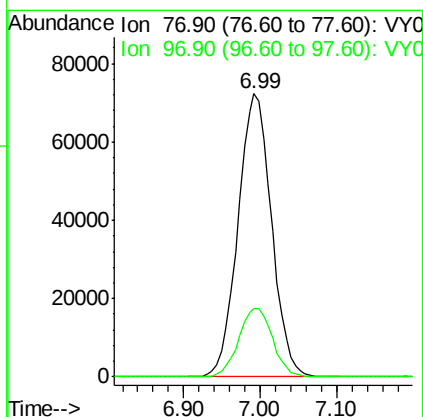
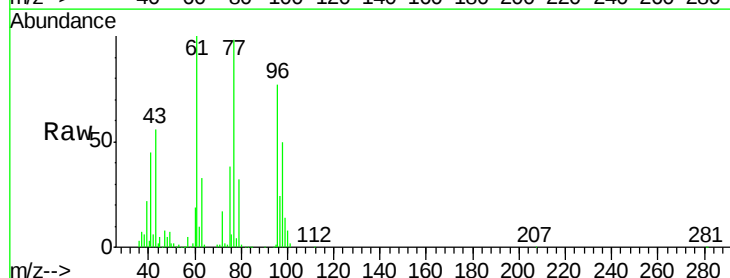
Acq: 13 May 2020 16:53

Tgt Ion: 77 Resp: 219040

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.5



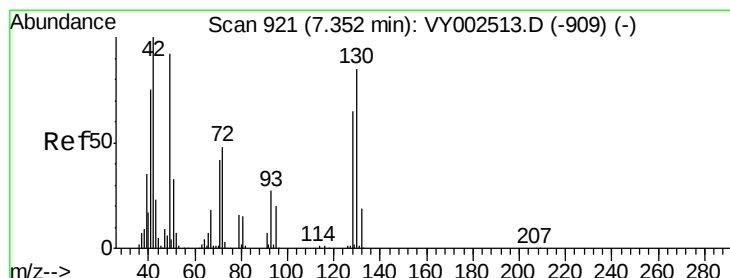
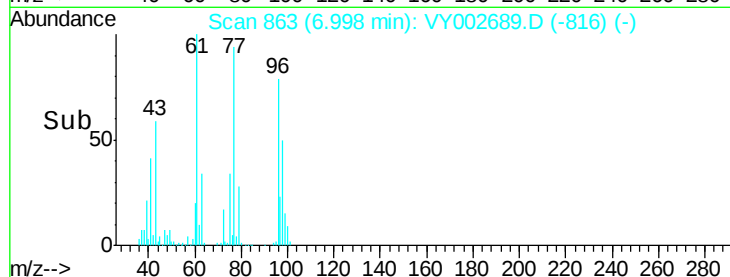
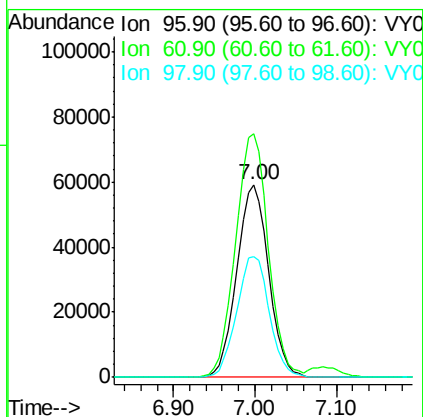
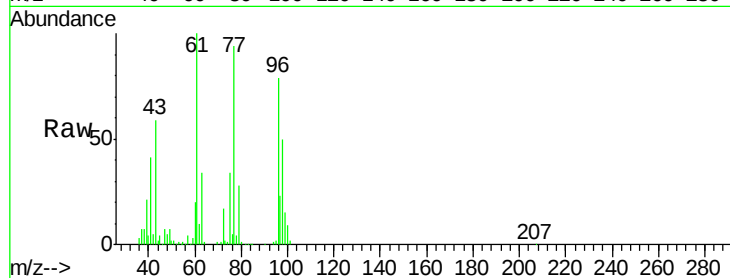


#27

cis-1,2-Dichloroethene
Concen: 46.338 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampled :

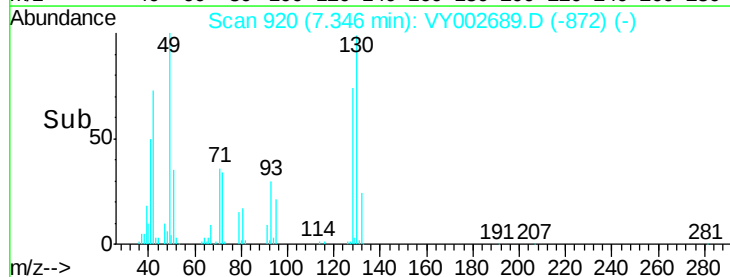
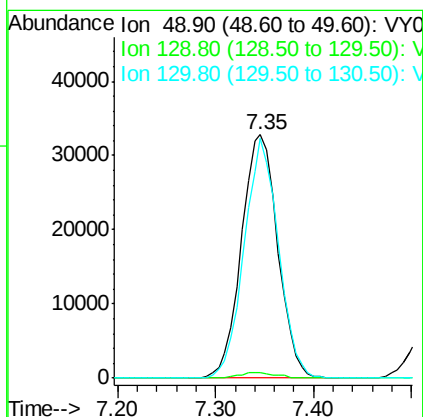
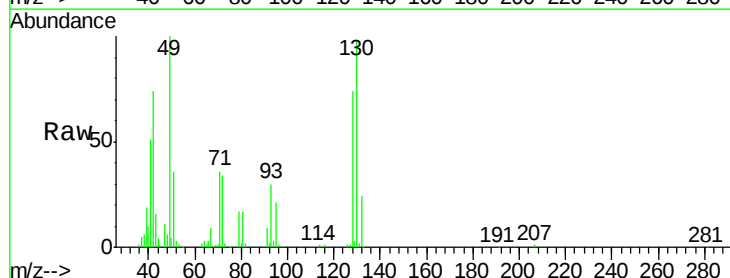
Tot Ion	96	Resp	160421
Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	266.6
98	64.3	0.0	129.2

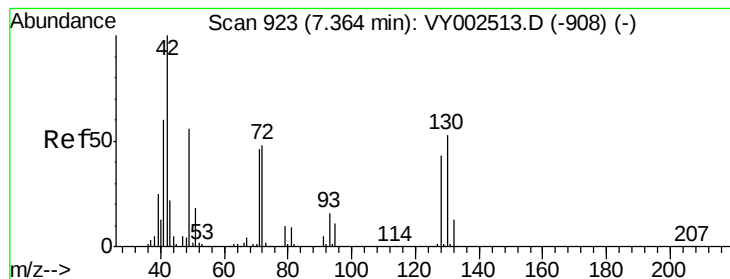


#28

Bromochloromethane
Concen: 41.328 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	49	Resp	84539
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	92.6	72.5	108.7





#29

Tetrahydrofuran

Concen: 127.207 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampled :

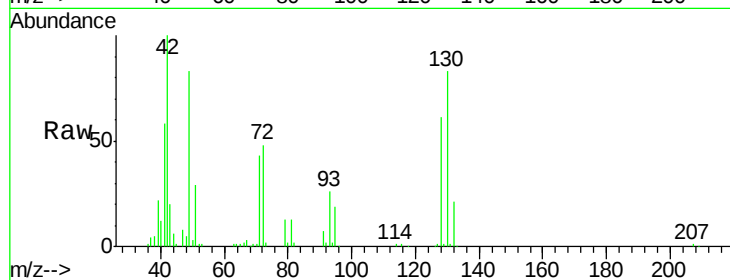
Tot Ion: 42 Resp: 79497

Ion Ratio Lower Upper

42 100

72 47.0 37.4 56.2

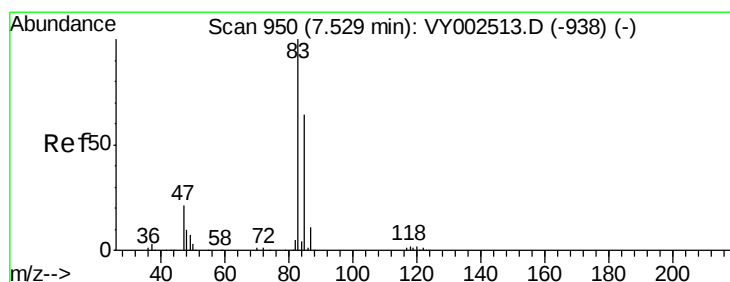
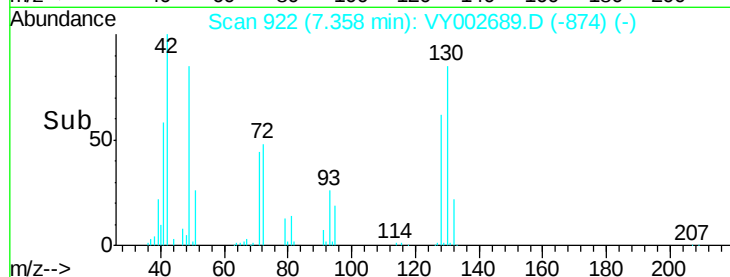
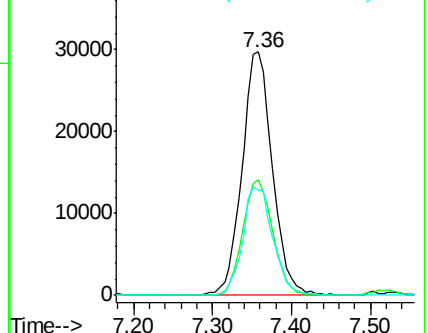
71 44.4 35.0 52.4



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: 45.398 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.01 min

Lab File: VY002689.D

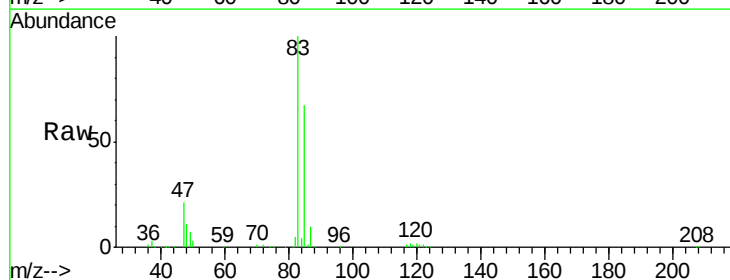
Acq: 13 May 2020 16:53

Tgt Ion: 83 Resp: 235672

Ion Ratio Lower Upper

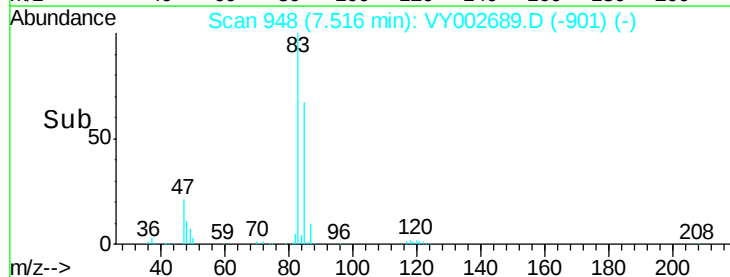
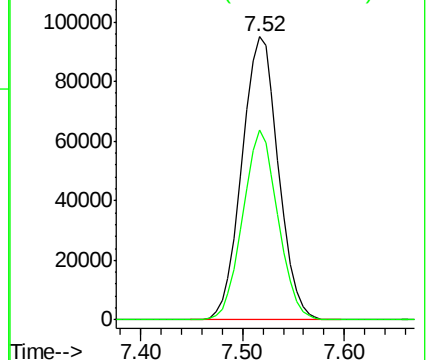
83 100

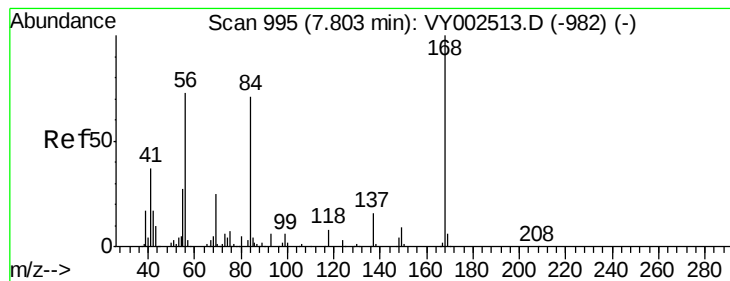
85 67.2 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 47.606 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :

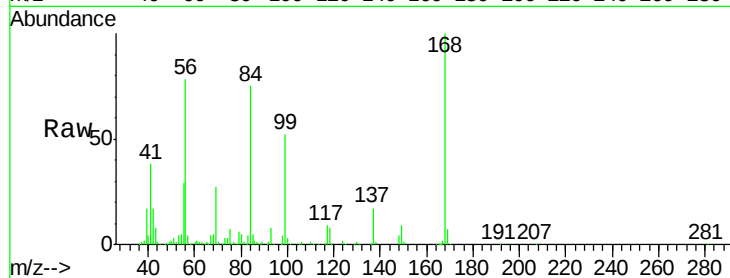
Tot Ion: 56 Resp: 239245

Ion Ratio Lower Upper

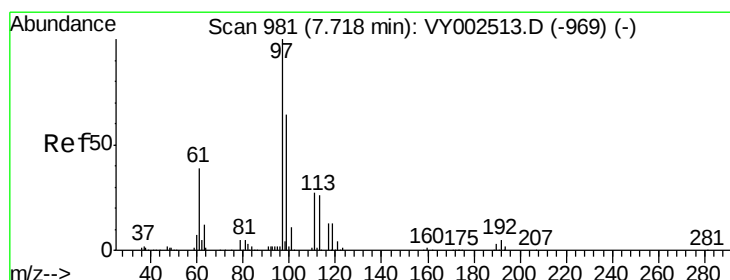
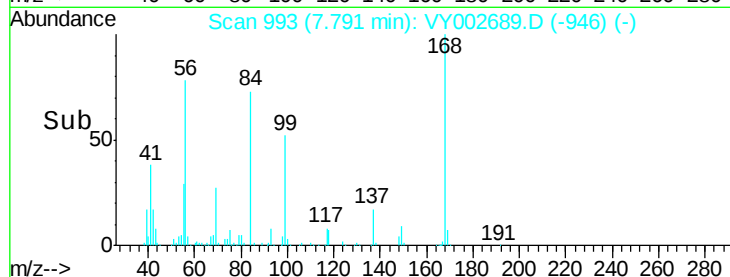
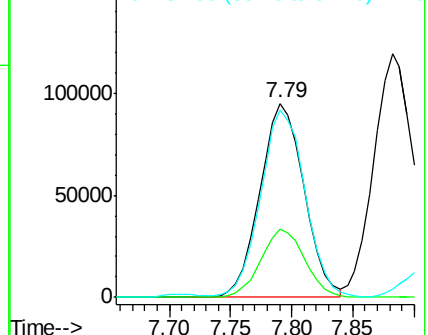
56 100

69 35.0 27.6 41.4

84 94.9 77.7 116.5



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 48.603 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

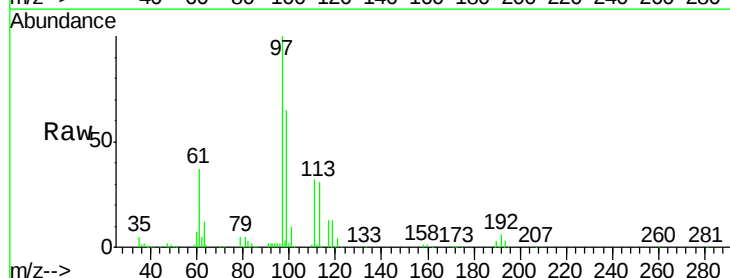
Tgt Ion: 97 Resp: 234514

Ion Ratio Lower Upper

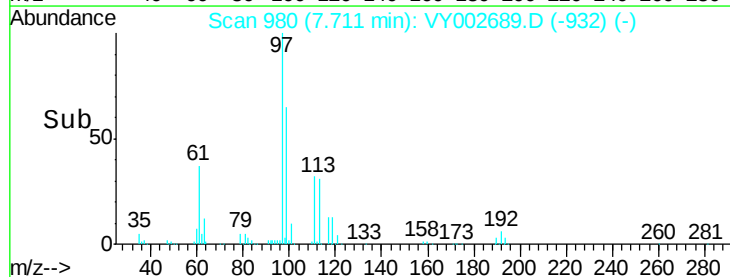
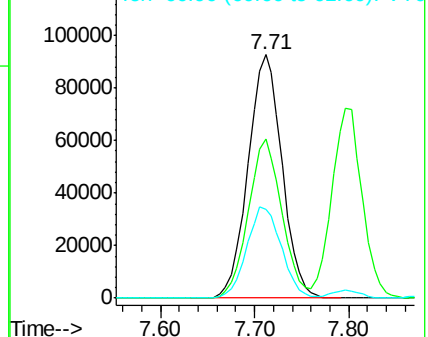
97 100

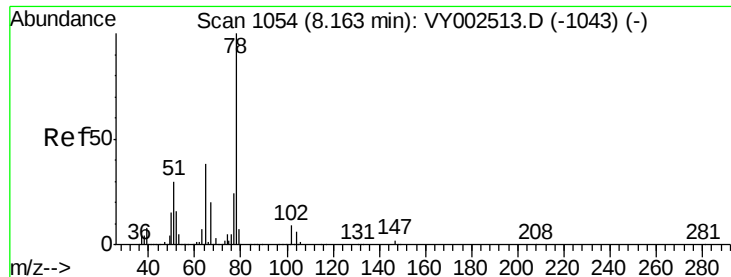
99 64.8 51.9 77.9

61 38.1 31.0 46.6



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





#33

1,2-Dichloroethane-d4

Concen: 33.739 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

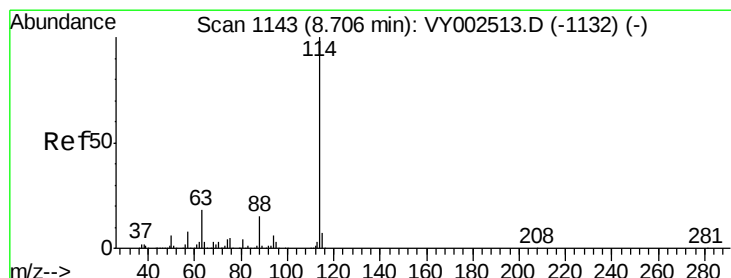
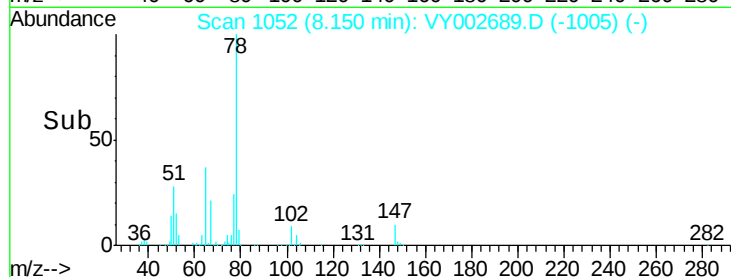
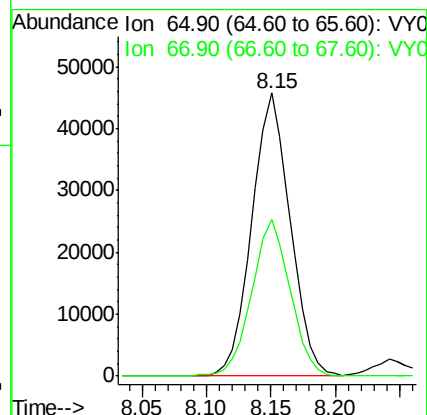
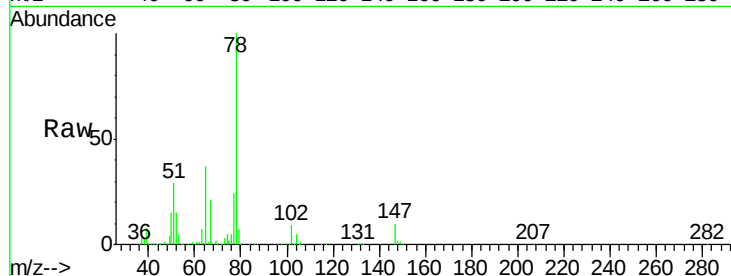
ClientSampled :

Tot Ion: 65 Resp: 94335

Ion Ratio Lower Upper

65 100

67 55.4 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

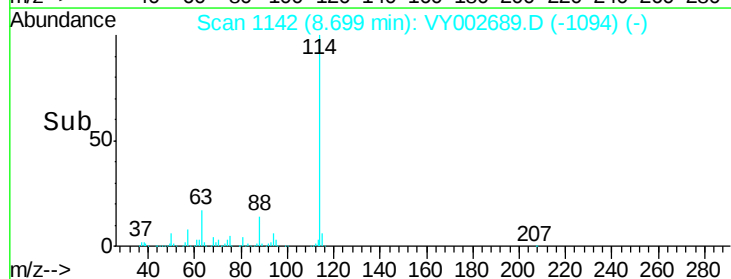
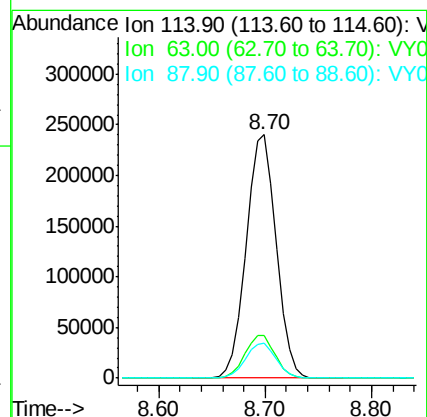
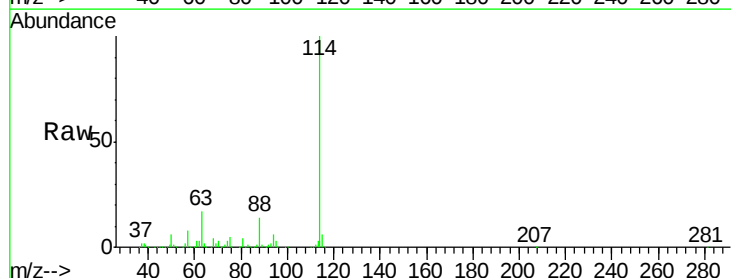
Tgt Ion: 114 Resp: 474910

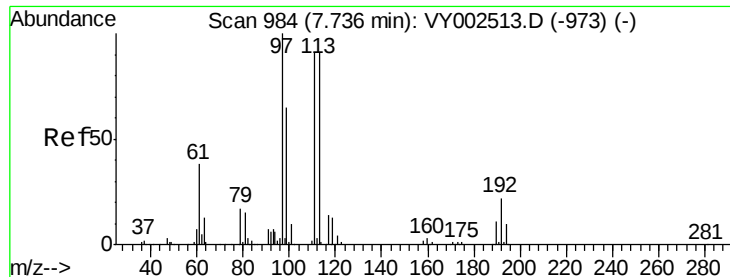
Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.4

88 14.5 0.0 29.6

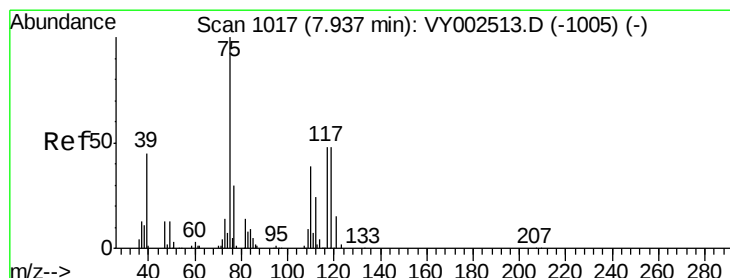
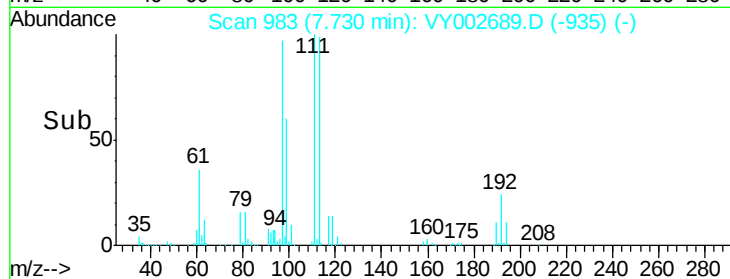
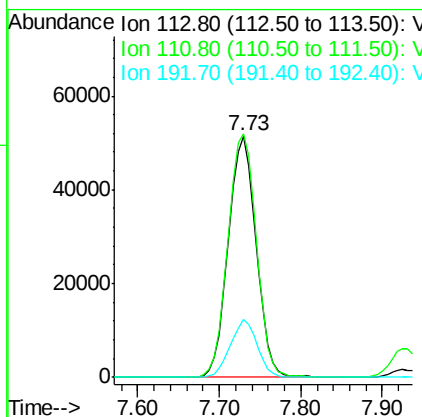
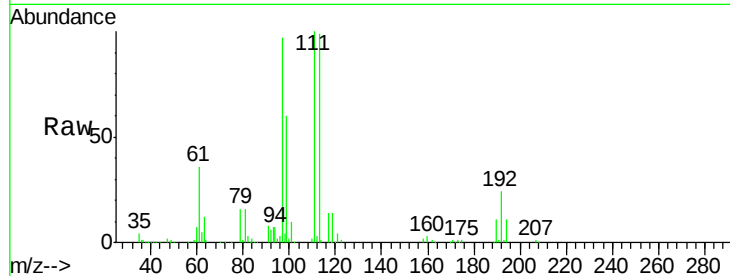




#35
 Dibromofluoromethane
 Concen: 44.510 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

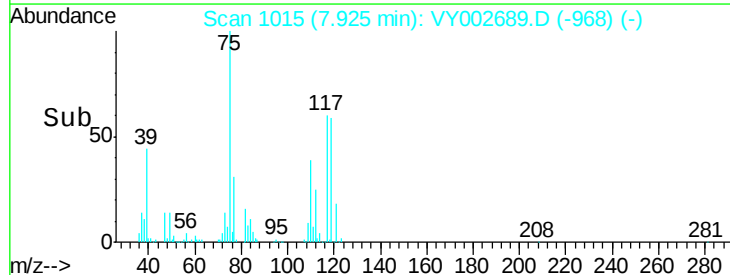
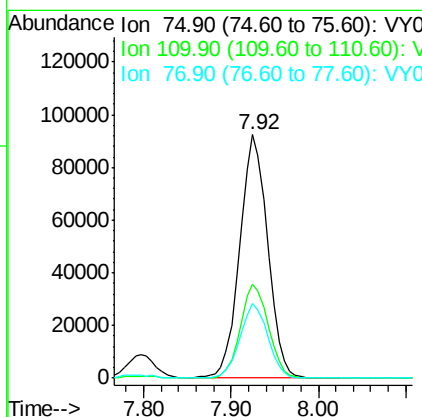
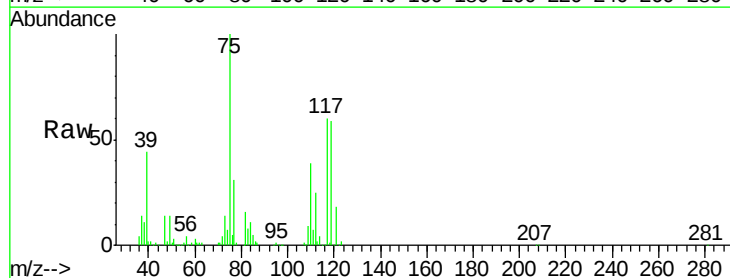
Instrument :
 MSVOA_Y
 ClientSampleId :

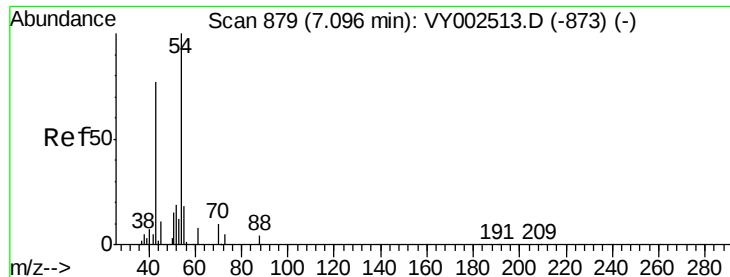
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	23.2	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 51.607 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.1	57.3
77	30.8	24.6	37.0

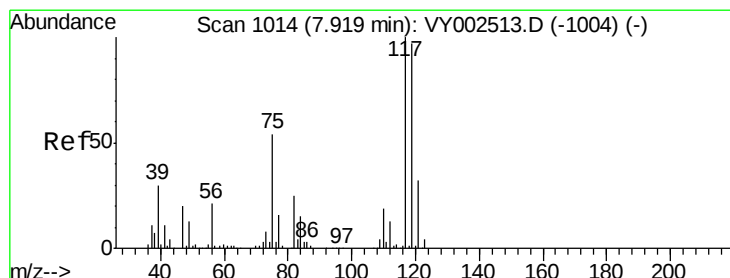
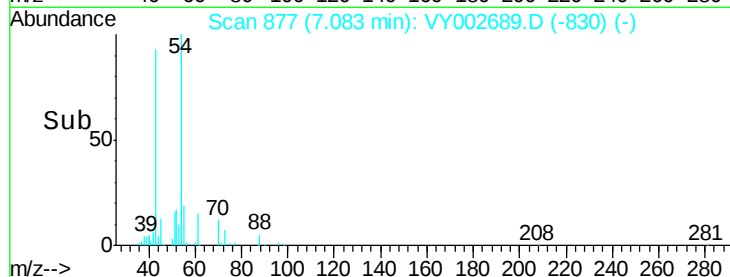
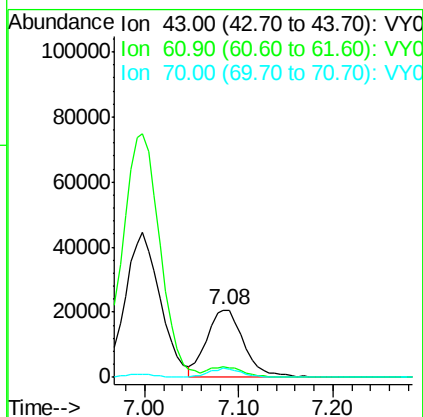
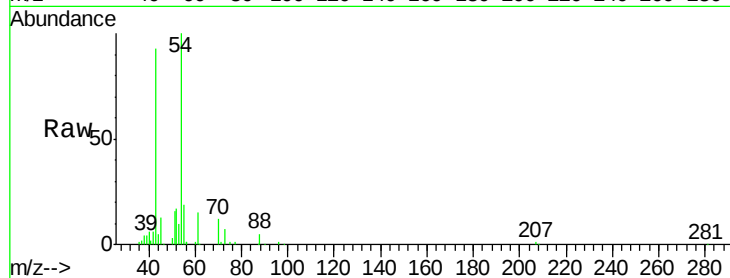




#37
Ethyl Acetate
Concen: 27.779 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

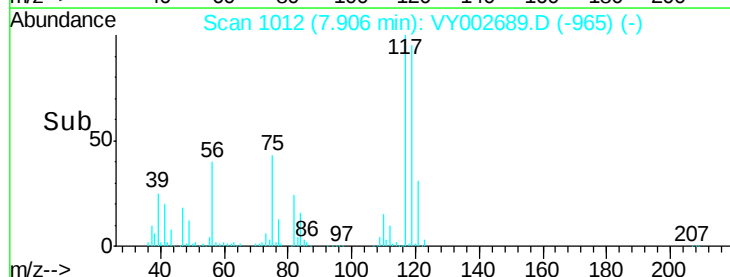
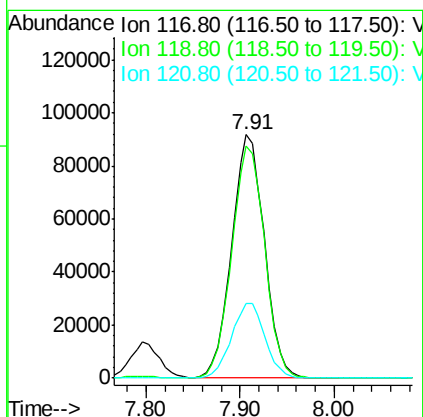
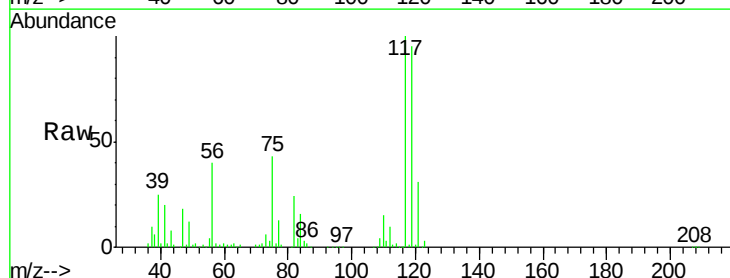
Instrument :
MSVOA_Y
ClientSampled :

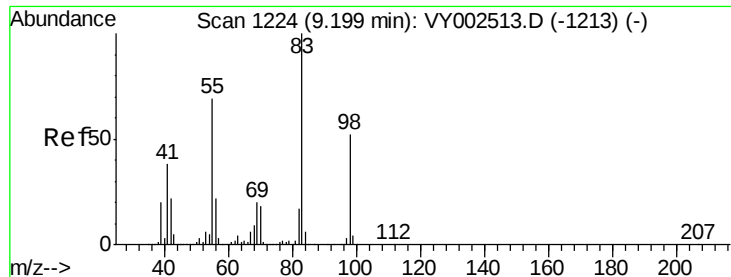
Tot Ion: 43 Resp: 56832
Ion Ratio Lower Upper
43 100
61 14.4 11.6 17.4
70 11.5 9.0 13.6



#38
Carbon Tetrachloride
Concen: 51.042 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion: 117 Resp: 221856
Ion Ratio Lower Upper
117 100
119 95.1 77.1 115.7
121 30.7 25.2 37.8

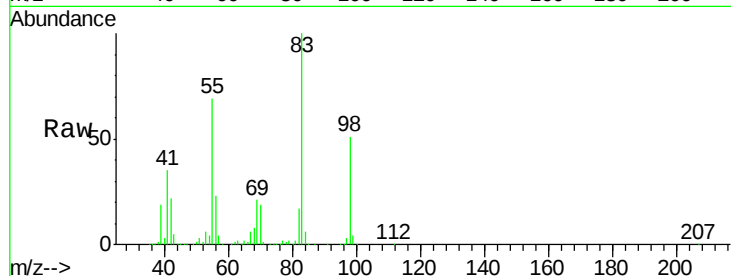




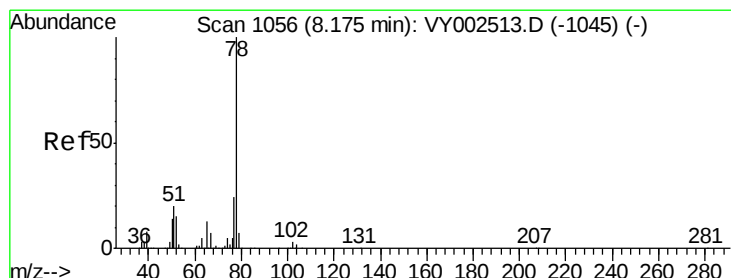
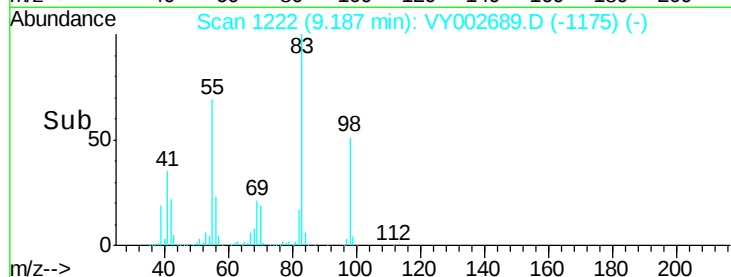
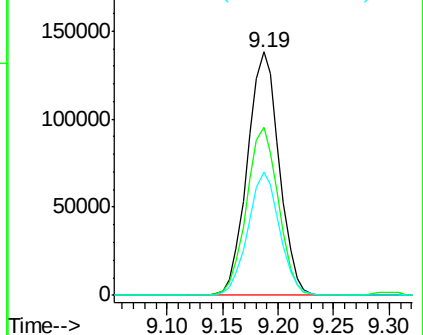
#39
Methvlcvclohexane
Concen: 52.279 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	83	Resp	274907
Ion	Ratio	Lower	Upper
83	100		
55	69.1	55.4	83.0
98	50.9	41.3	61.9

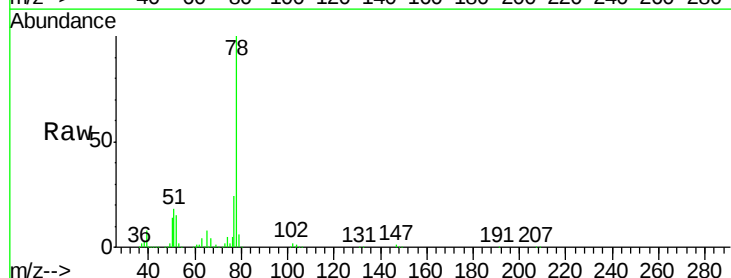


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

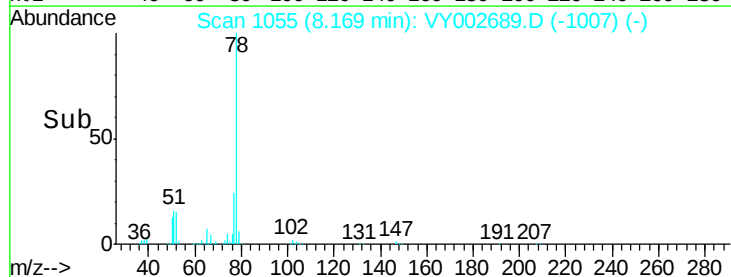
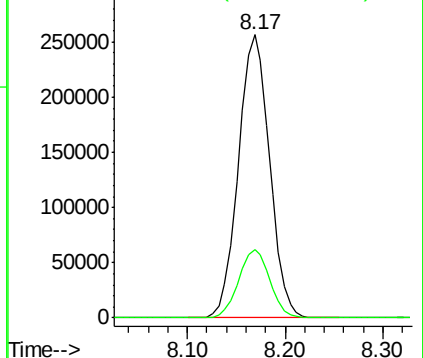


#40
Benzene
Concen: 49.144 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	78	Resp	565081
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.2	28.8



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

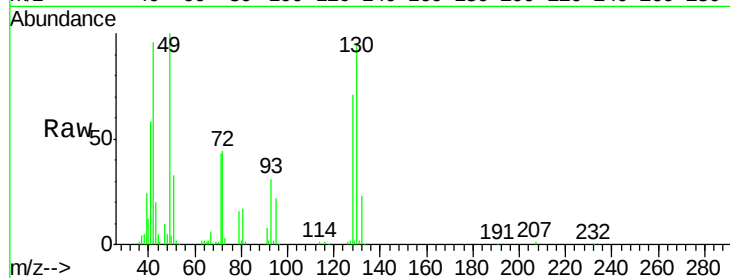




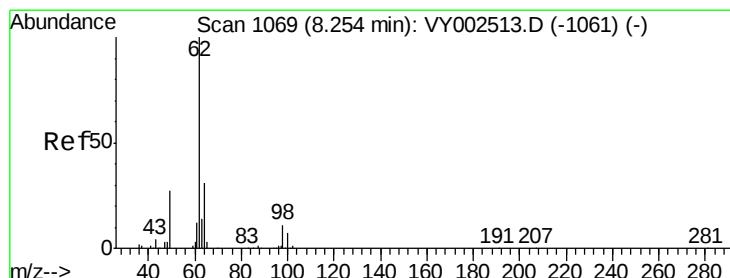
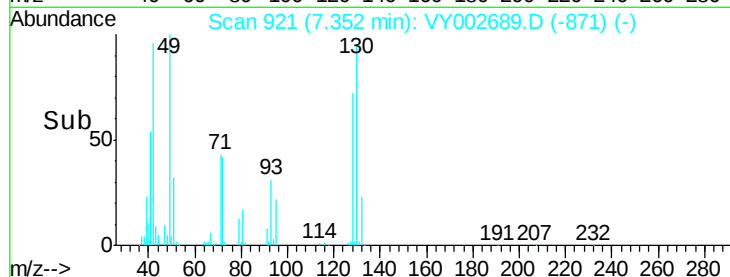
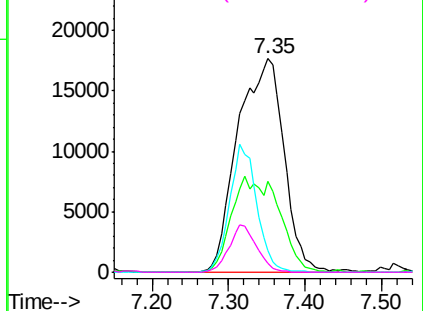
#41
Methacrylonitrile
Concen: 67.533 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	41	Resp:	74286
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

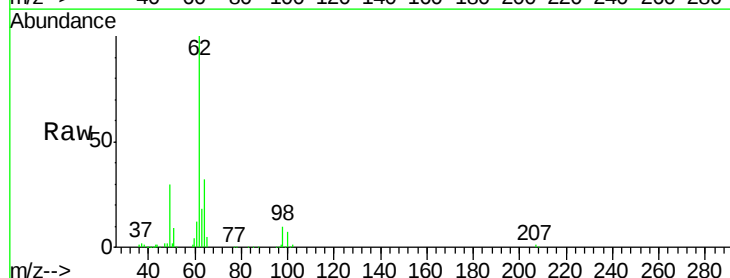


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

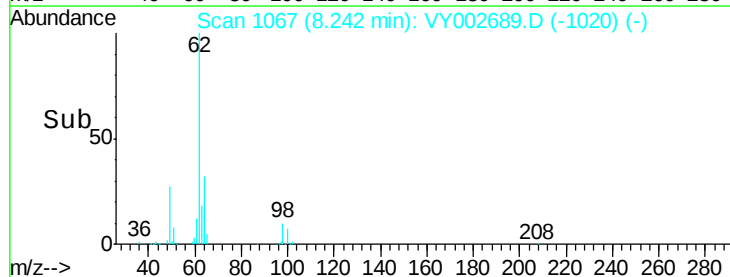
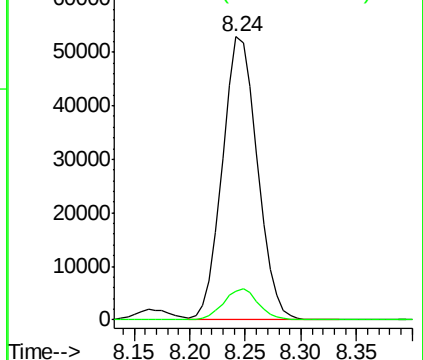


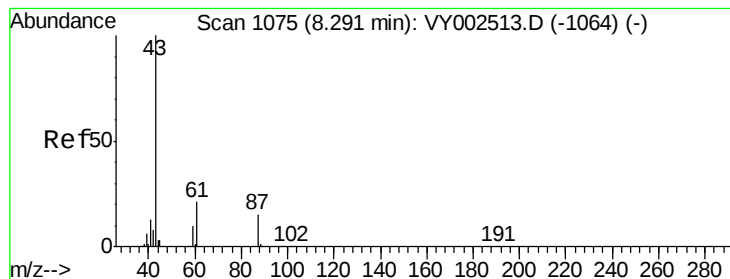
#42
1,2-Dichloroethane
Concen: 35.877 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion:	62	Resp:	115717
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.0



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



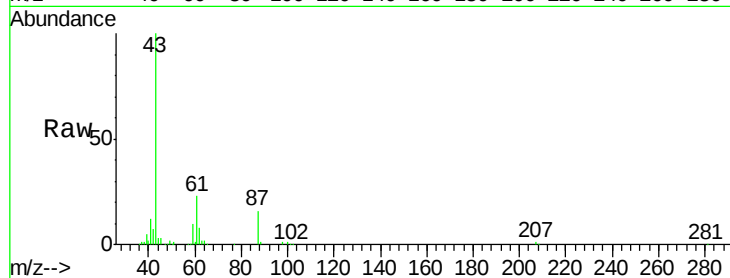


#43

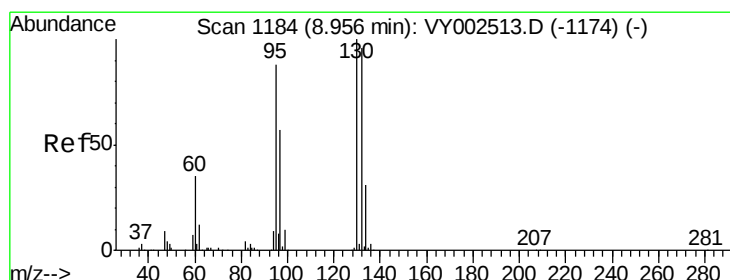
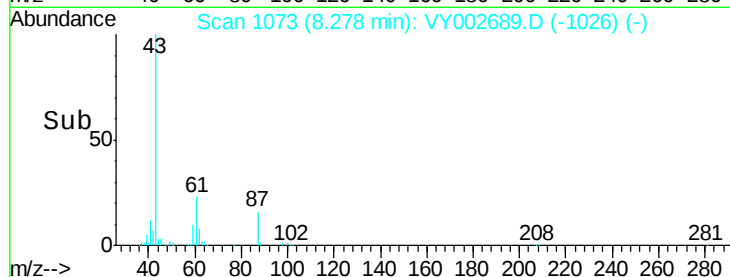
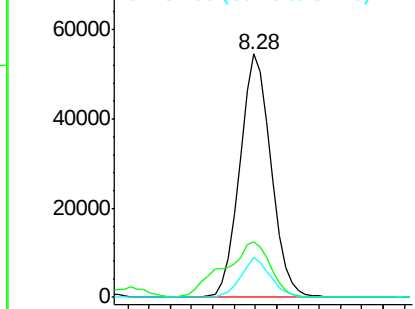
Isopropyl Acetate
 Concen: 29.320 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	43	Resp	112455
Ion Ratio	Lower	Upper	
43	100		
61	33.8	24.8	37.2
87	15.4	12.2	18.2



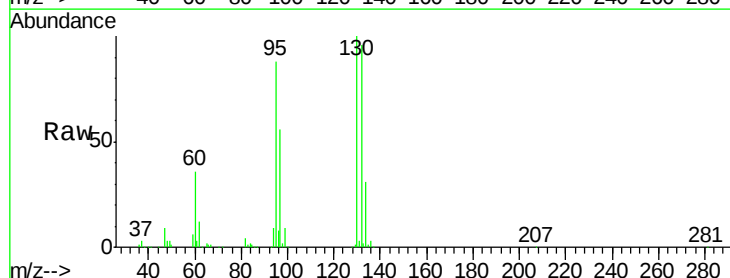
Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 87.00 (86.70 to 87.70): VY0



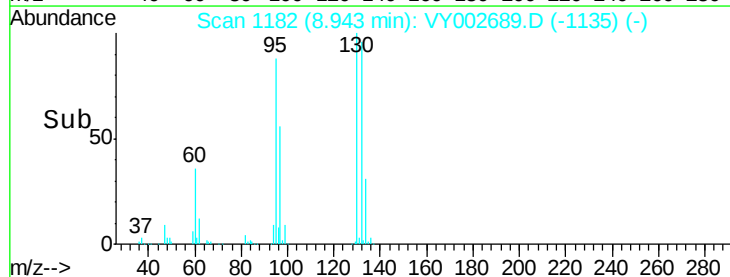
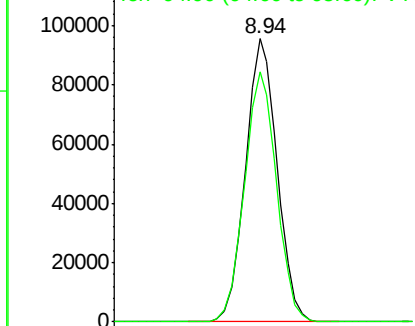
#44

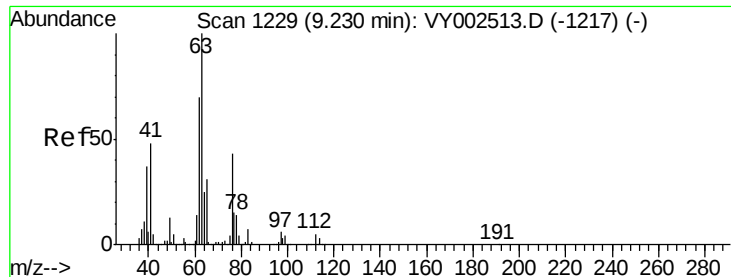
Trichloroethene
 Concen: 50.472 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion	130	Resp	181369
Ion Ratio	Lower	Upper	
130	100		
95	88.5	0.0	175.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VY0





#45

1,2-Dichloropropane

Concen: 45.032 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

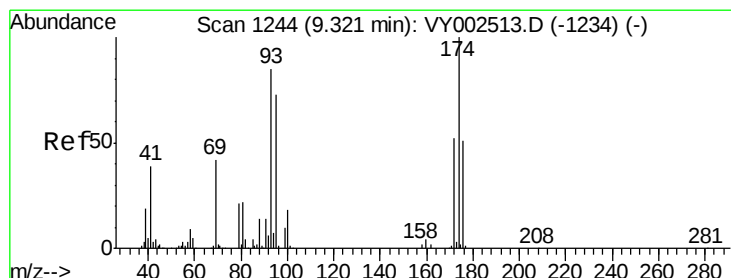
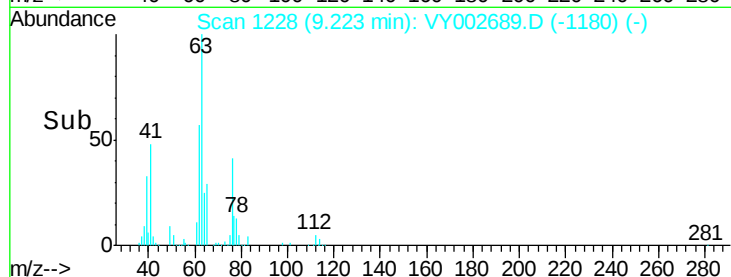
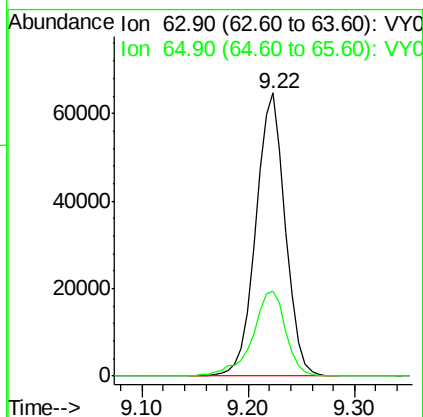
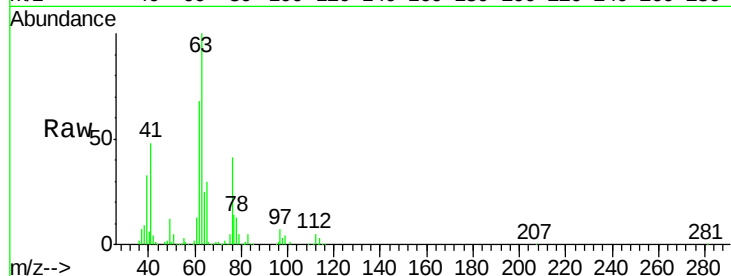
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 63 Resp: 124971

Ion Ratio Lower Upper

63 100

65 30.2 24.5 36.7



#46

Dibromomethane

Concen: 34.980 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

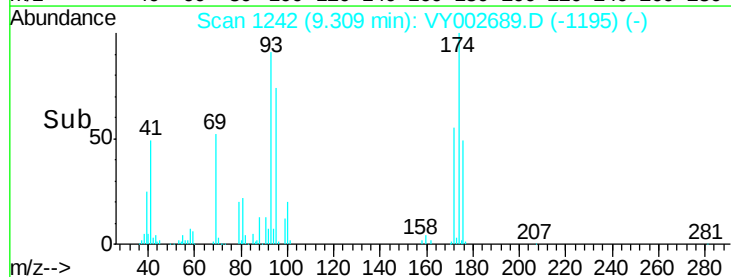
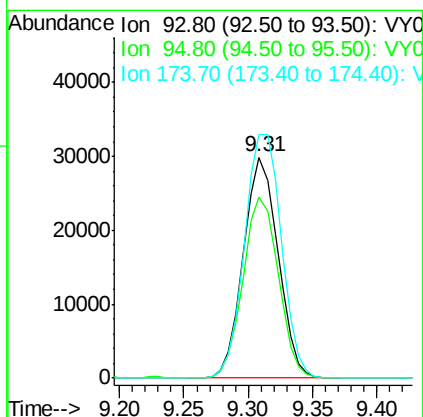
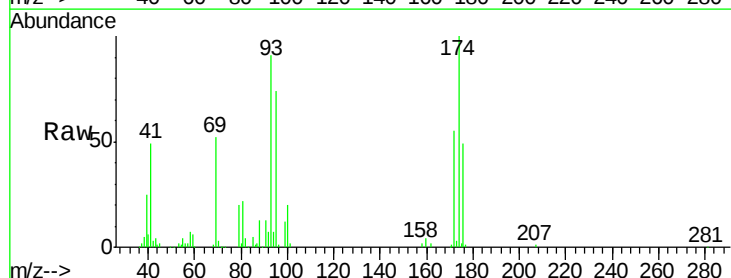
Tgt Ion: 93 Resp: 55852

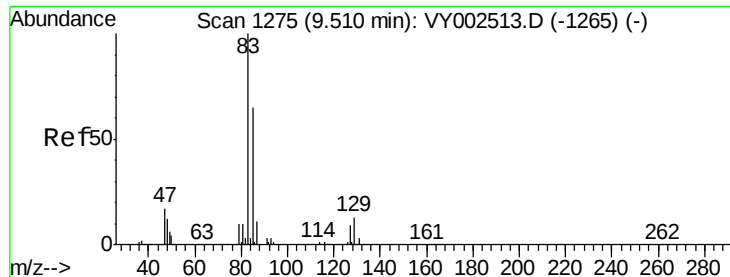
Ion Ratio Lower Upper

93 100

95 83.3 67.0 100.4

174 117.2 92.7 139.1





#47

Bromodichloromethane

Concen: 42.644 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampled :

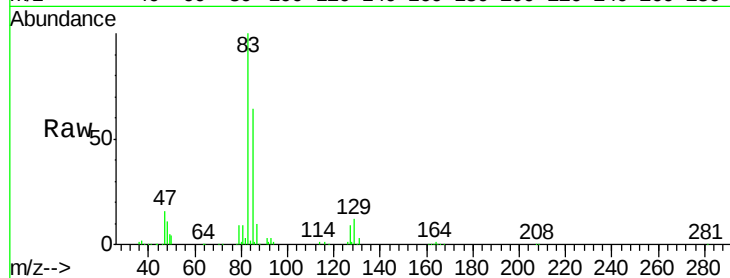
Tot Ion: 83 Resp: 165563

Ion Ratio Lower Upper

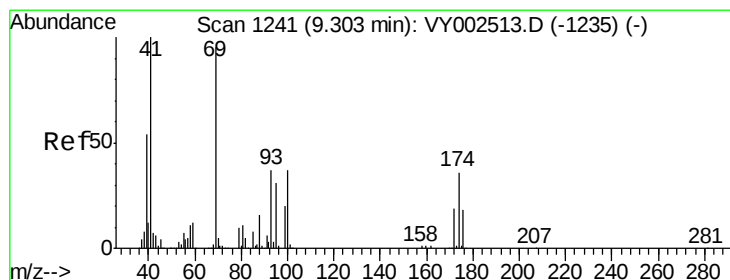
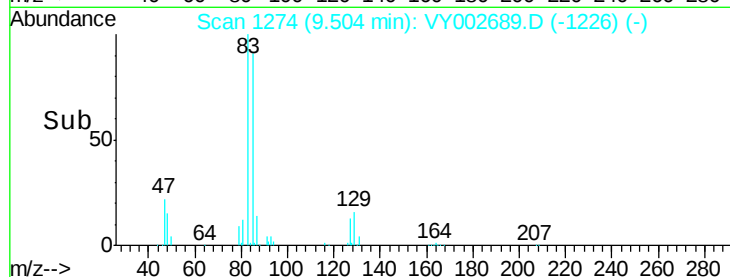
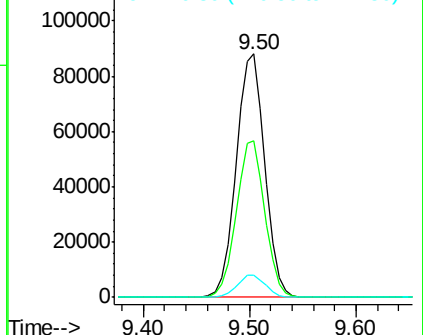
83 100

85 64.2 51.8 77.8

127 9.3 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: 30.617 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

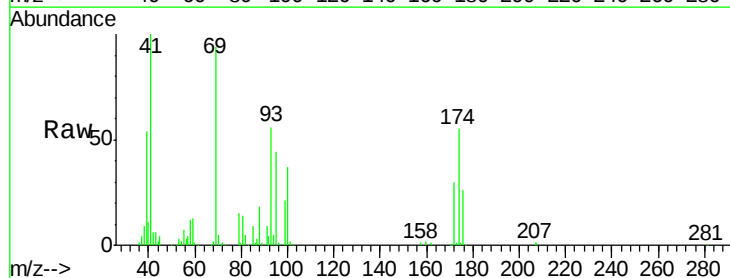
Tgt Ion: 41 Resp: 53145

Ion Ratio Lower Upper

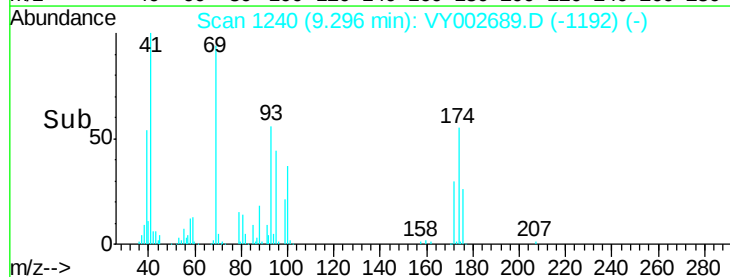
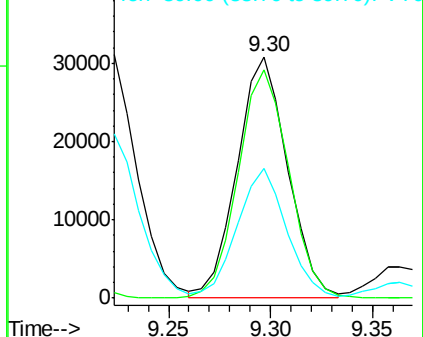
41 100

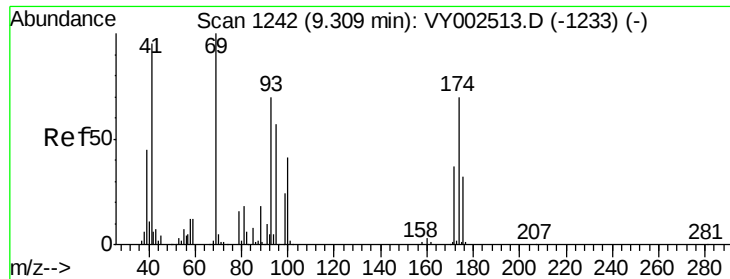
69 95.2 76.2 114.4

39 50.4 42.7 64.1



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

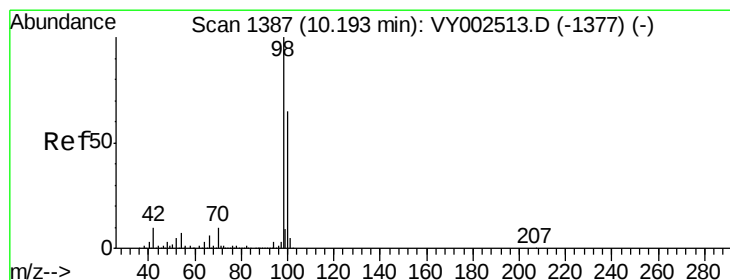
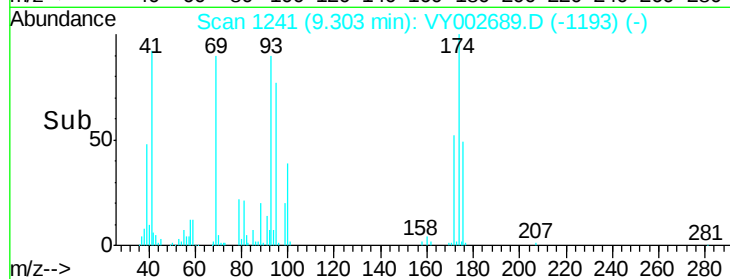
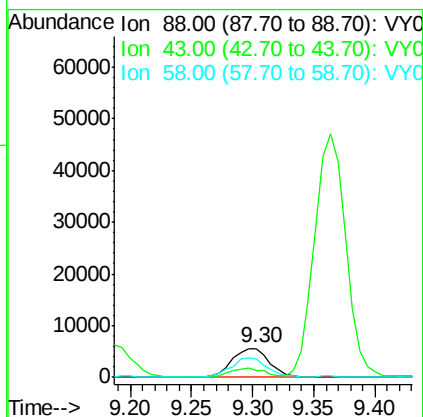
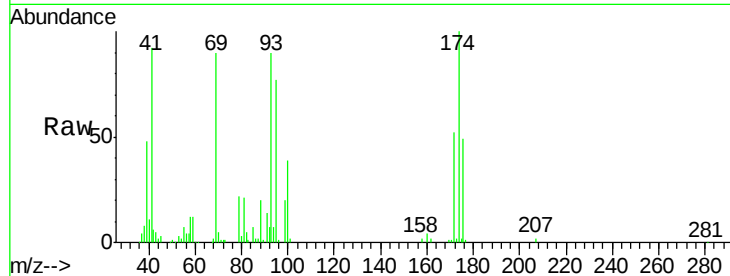




#49
1,4-Dioxane
Concen: 560.432 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

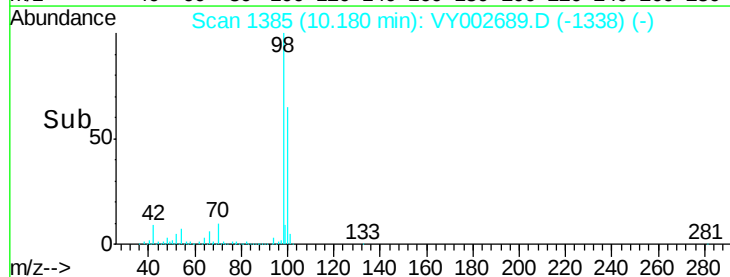
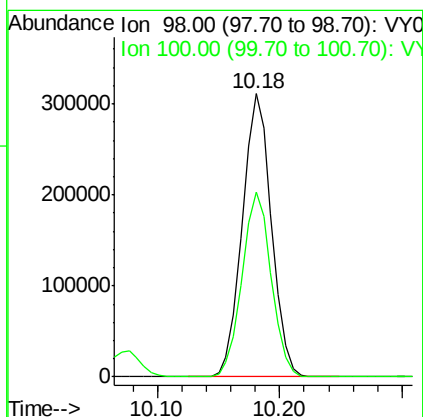
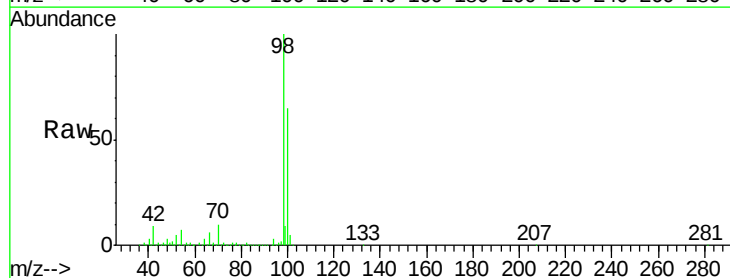
Instrument :
MSVOA_Y
ClientSampleId :

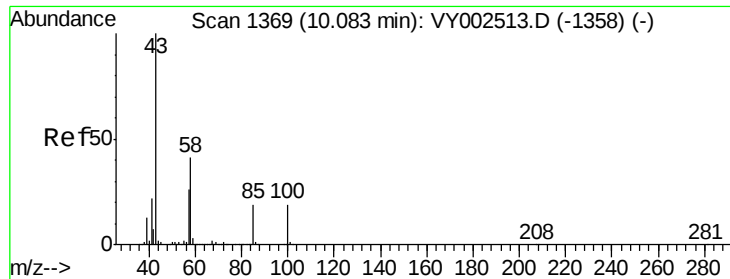
Tot Ion: 88 Resp: 11848
Ion Ratio Lower Upper
88 100
43 31.1 22.8 34.2
58 64.0 51.4 77.2



#50
Toluene-d8
Concen: 48.413 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion: 98 Resp: 513491
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2

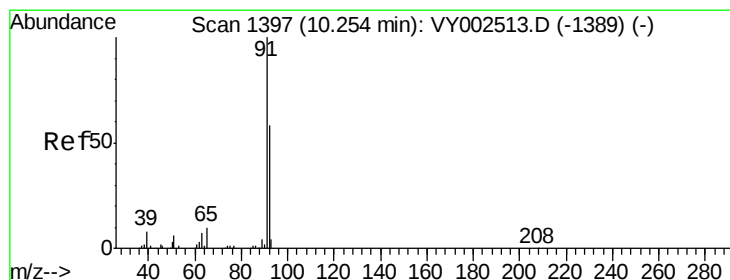
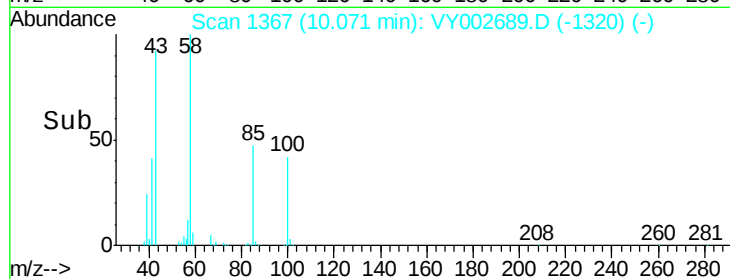
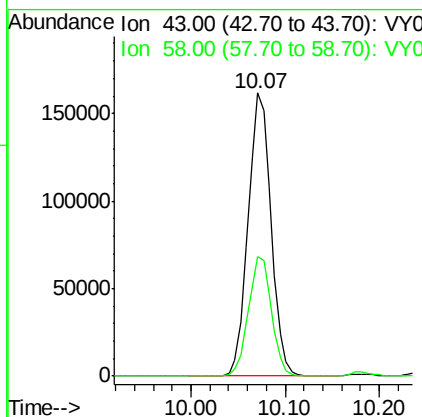
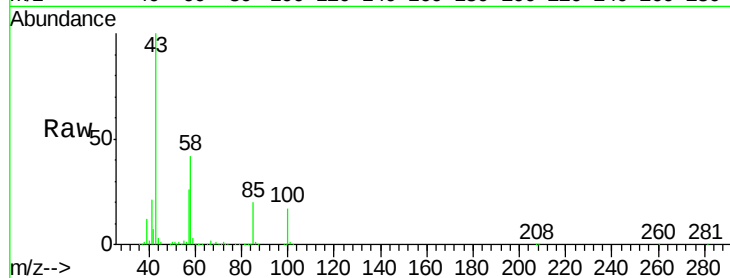




#51
4-Methyl-2-Pentanone
Concen: 140.288 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

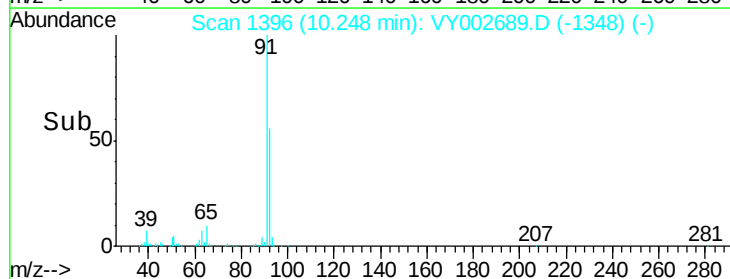
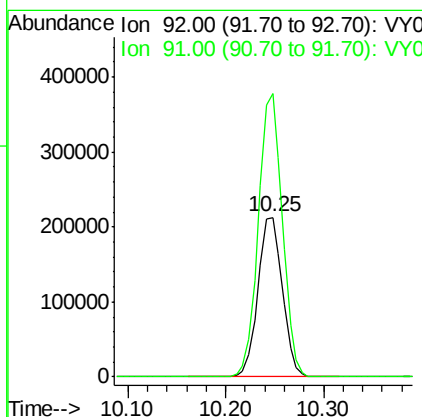
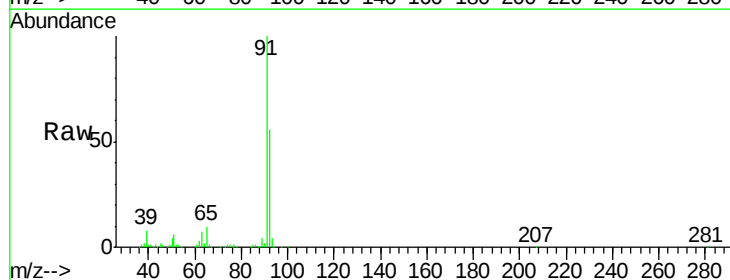
Instrument :
MSVOA_Y
ClientSampleId :

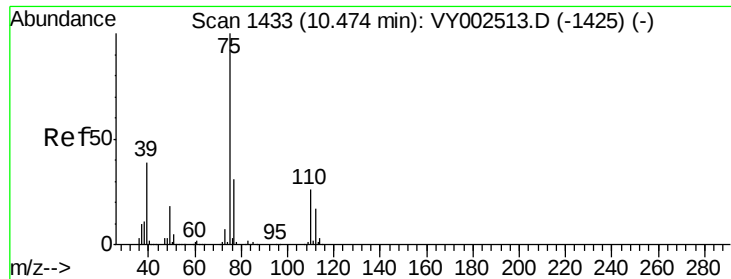
Tot Ion: 43 Resp: 277337
Ion Ratio Lower Upper
43 100
58 42.4 33.2 49.8



#52
Toluene
Concen: 49.777 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion: 92 Resp: 367844
Ion Ratio Lower Upper
92 100
91 174.3 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 37.525 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

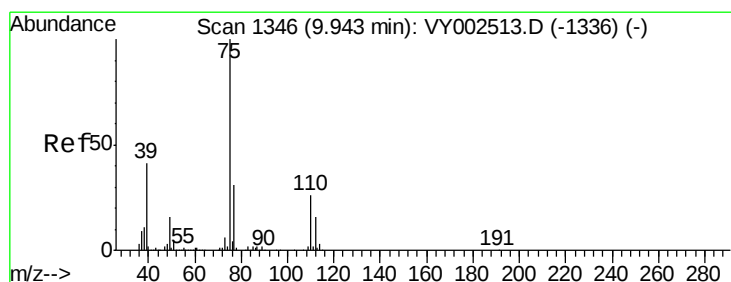
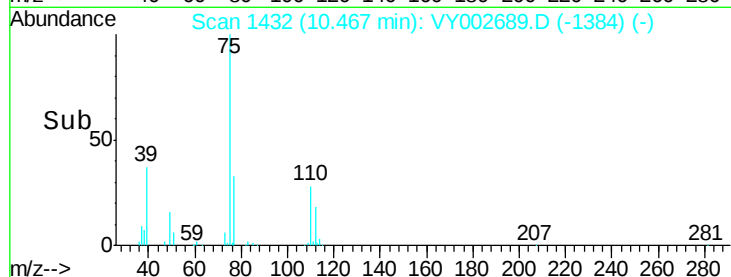
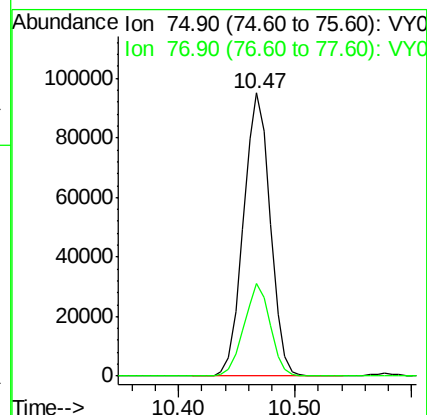
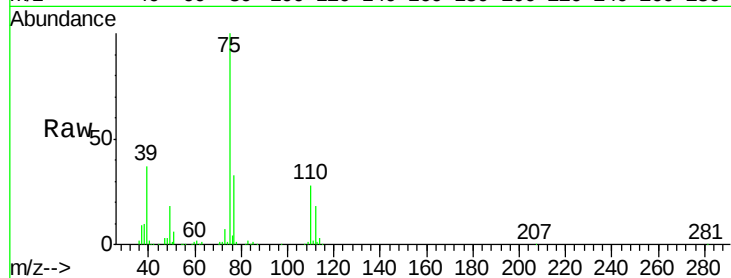
ClientSampled :

Tot Ion: 75 Resp: 152645

Ion Ratio Lower Upper

75 100

77 32.8 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 41.691 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

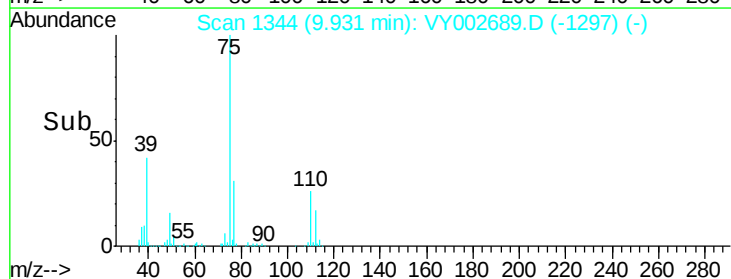
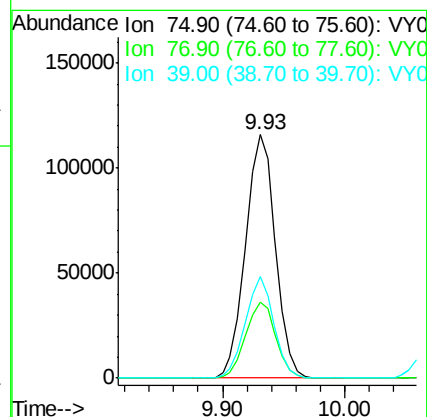
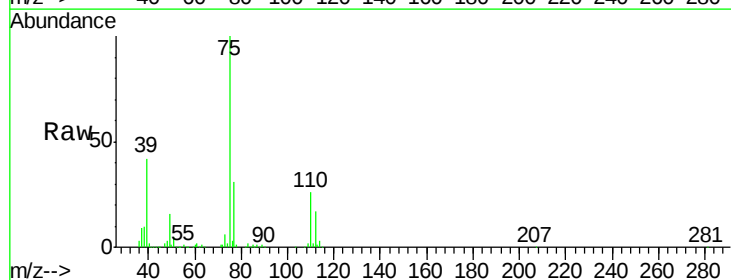
Tgt Ion: 75 Resp: 196055

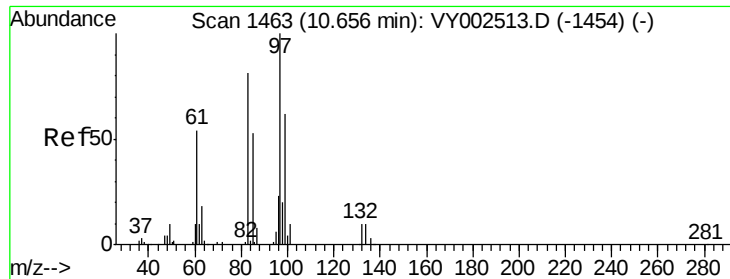
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 41.5 32.7 49.1

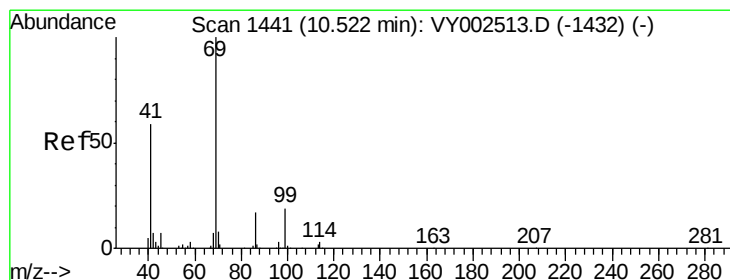
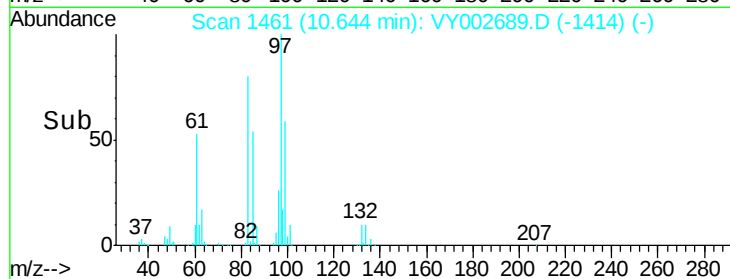
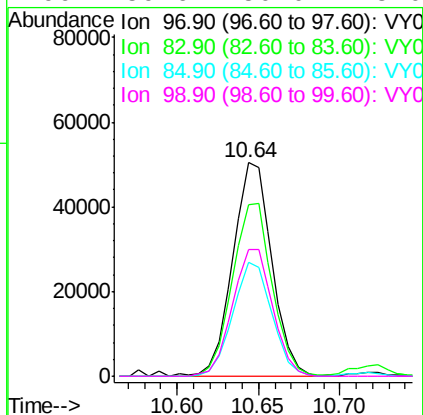
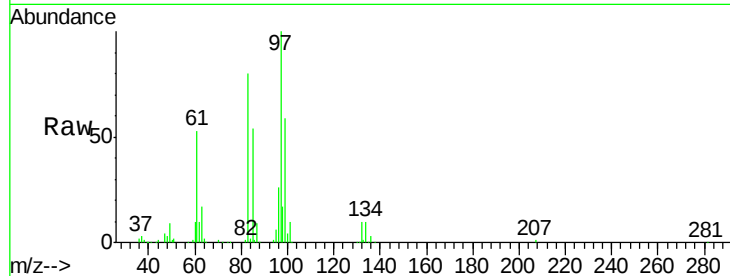




#55
 1,1,2-Trichloroethane
 Concen: 35.817 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

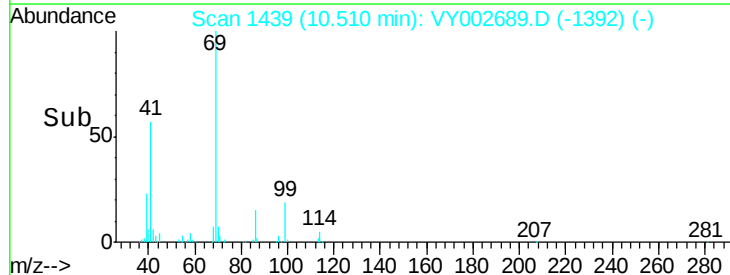
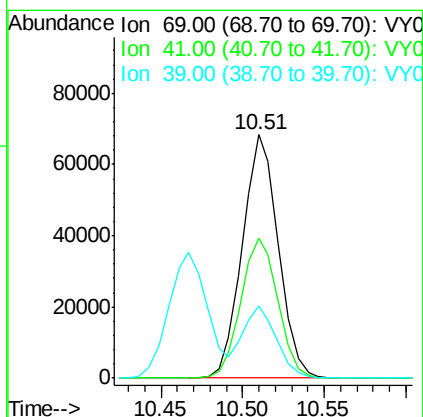
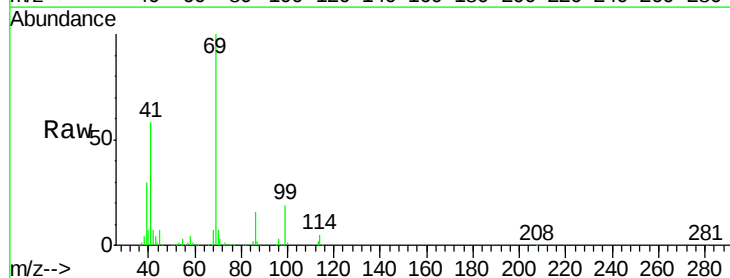
Instrument :
 MSVOA_Y
 ClientSampleId :

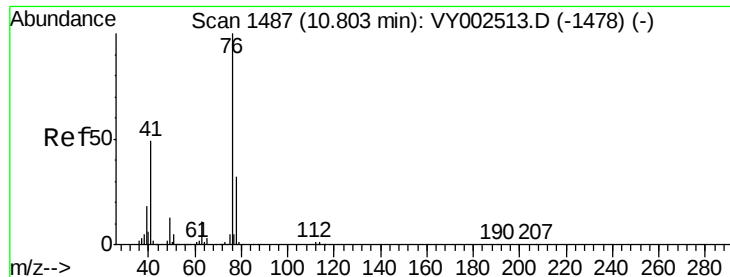
Tot Ion:	97	Resp:	83398
Ion	Ratio	Lower	Upper
97	100		
83	80.2	65.1	97.7
85	53.5	42.7	64.1
99	59.6	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 33.744 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion:	69	Resp:	104523
Ion	Ratio	Lower	Upper
69	100		
41	58.6	48.6	73.0
39	27.9	25.0	37.4





#57

1,3-Dichloropropane

Concen: 36.181 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

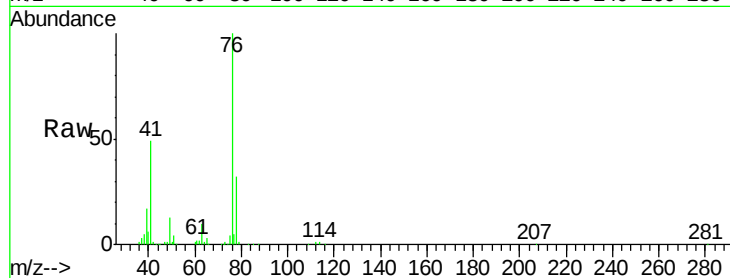
ClientSampled :

Tot Ion: 76 Resp: 142866

Ion Ratio Lower Upper

76 100

78 33.1 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.79

80000

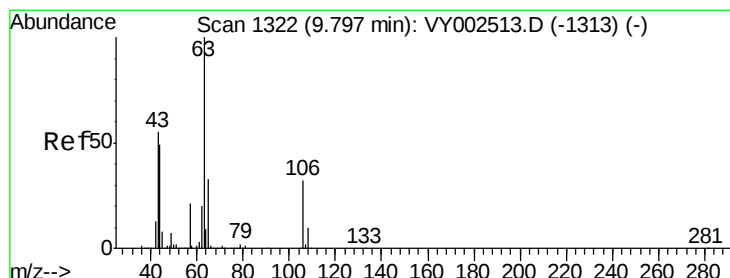
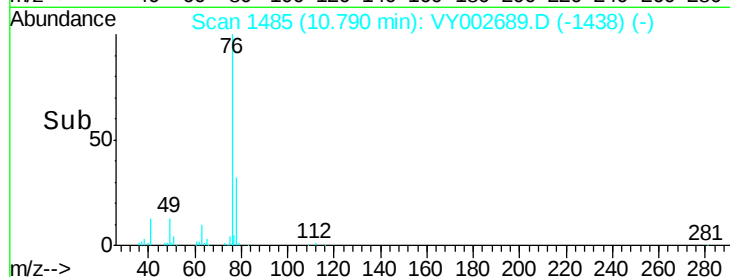
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 167.430 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VY002689.D

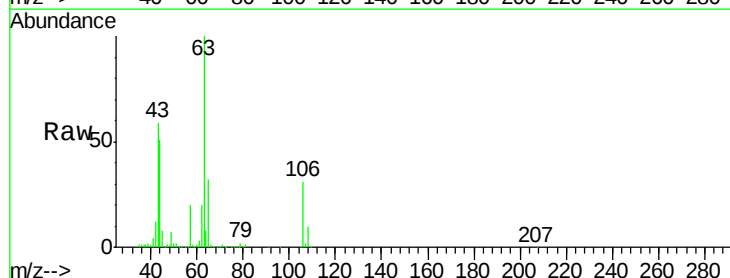
Acq: 13 May 2020 16:53

Tgt Ion: 63 Resp: 273497

Ion Ratio Lower Upper

63 100

106 31.5 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.78

200000

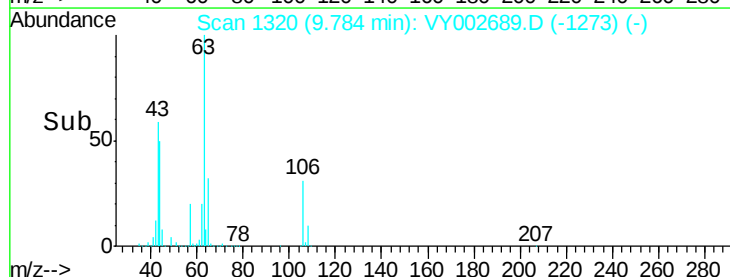
150000

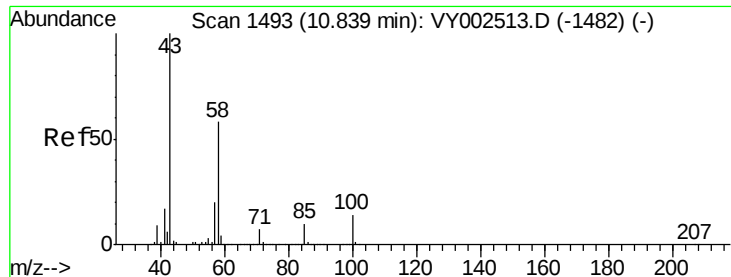
100000

50000

0

Time-->

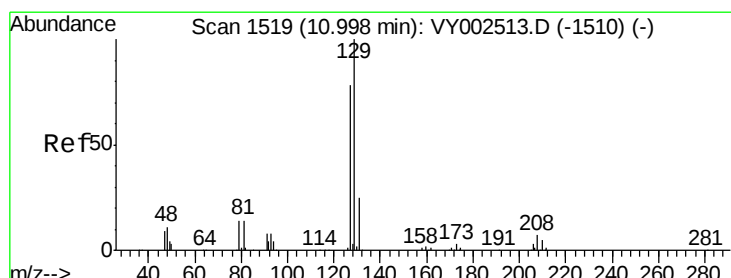
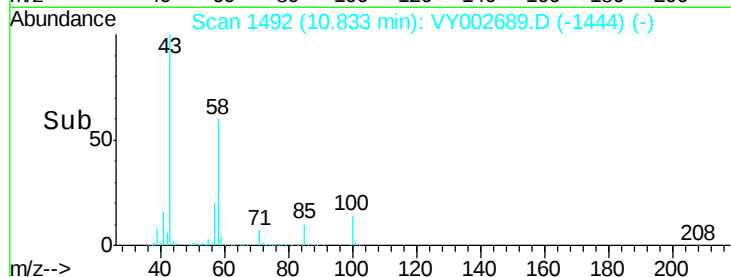
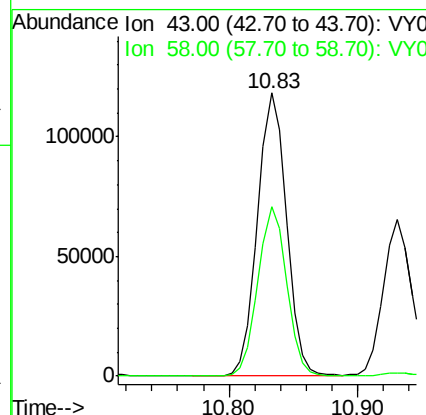
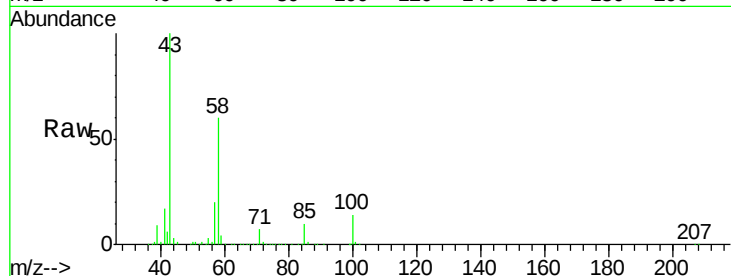




#59
2-Hexanone
Concen: 135.252 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

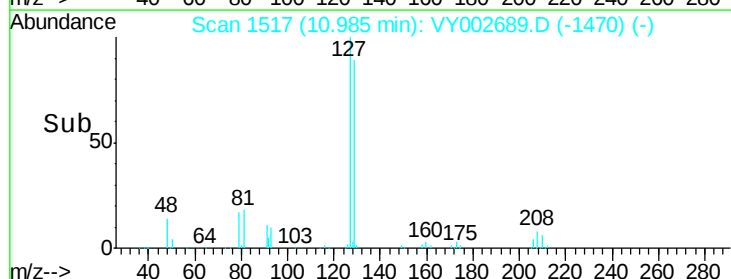
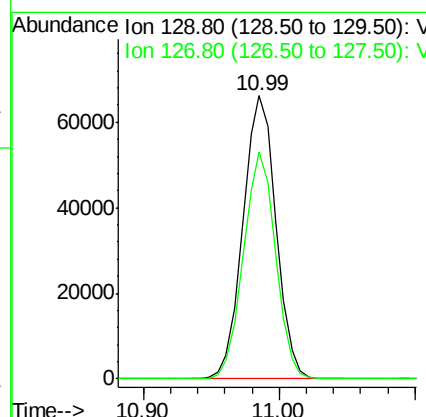
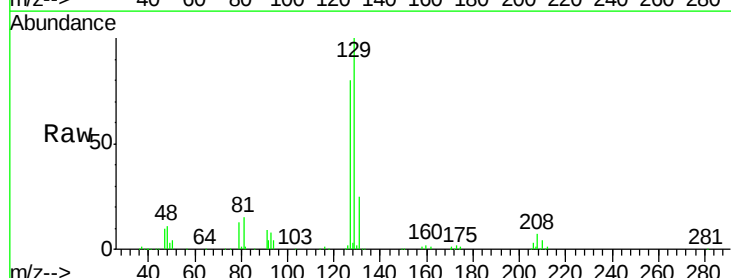
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 184029
Ion Ratio Lower Upper
43 100
58 59.2 29.1 87.3



#60
Dibromochloromethane
Concen: 37.849 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion: 129 Resp: 112089
Ion Ratio Lower Upper
129 100
127 78.0 39.0 117.0

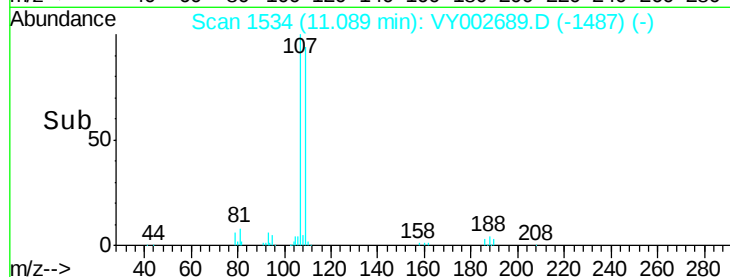
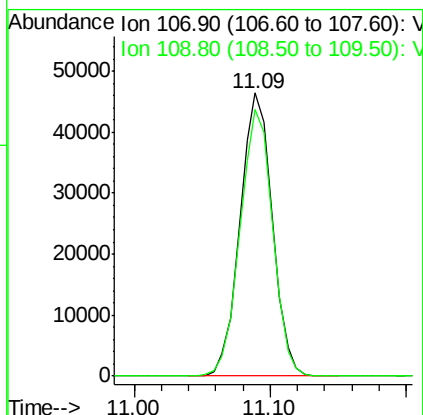
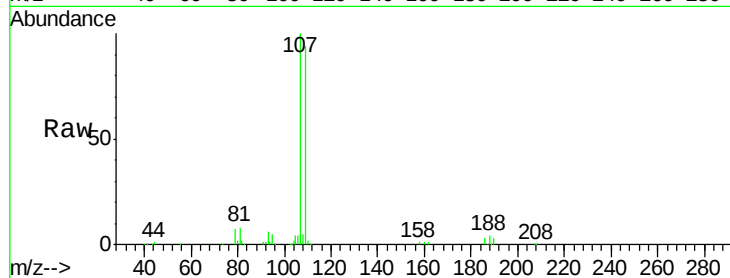




#61
 1,2-Dibromoethane
 Concen: 33.349 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

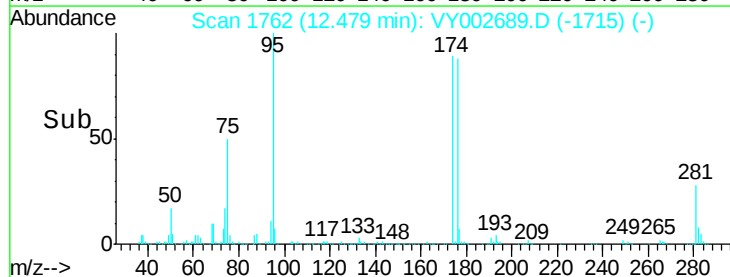
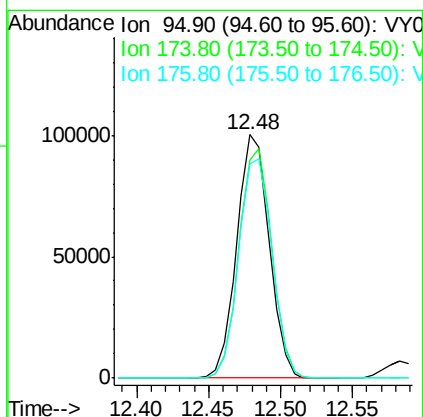
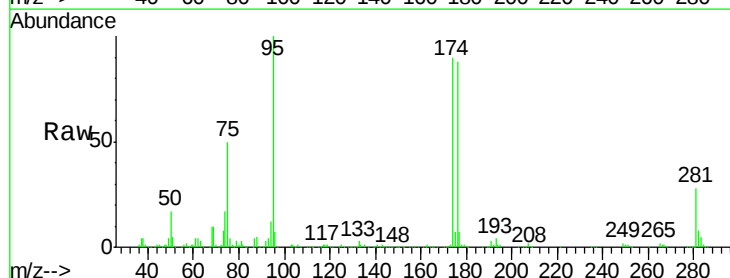
Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:107 Resp: 76888
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 43.779 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion: 95 Resp: 157563
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 188.8
 176 92.7 0.0 183.2

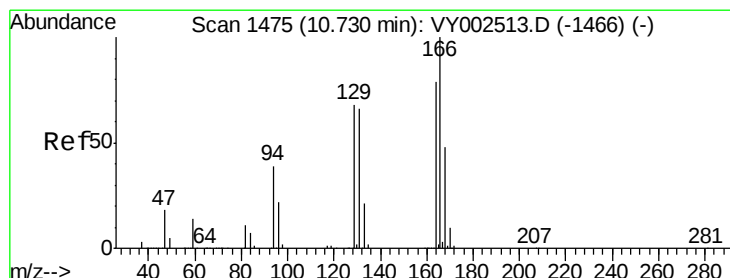
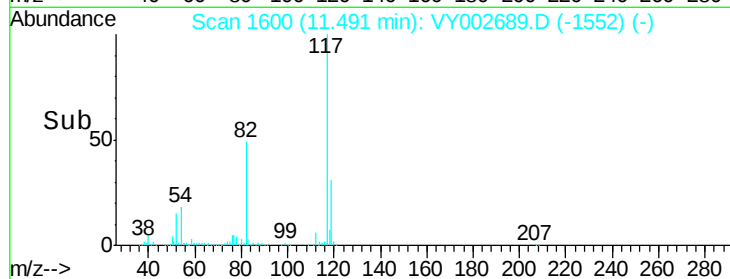
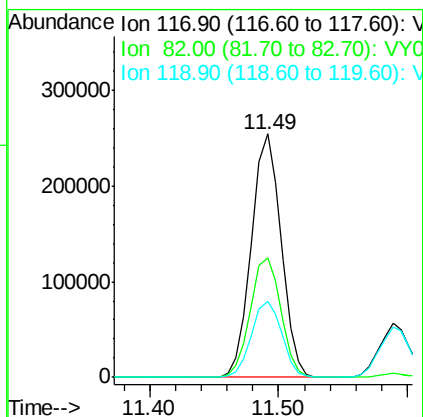
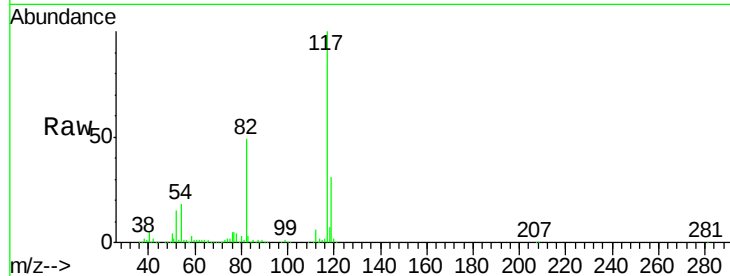




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

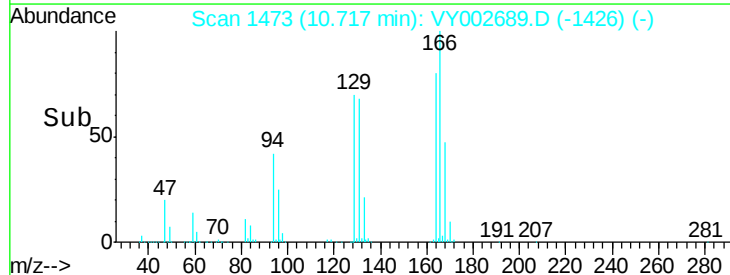
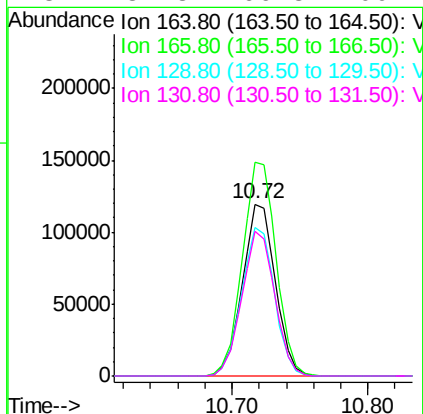
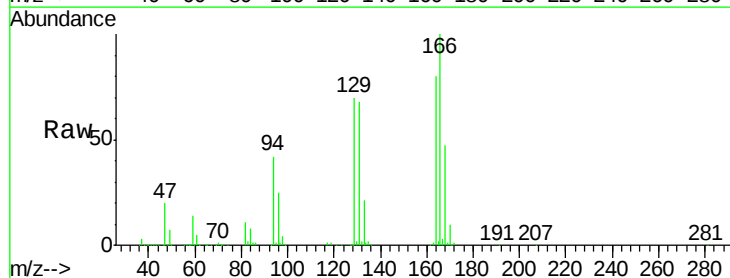
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 404084
Ion Ratio Lower Upper
117 100
82 49.0 41.3 61.9
119 31.4 26.0 39.0



#64
Tetrachloroethene
Concen: 56.047 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion:164 Resp: 201224
Ion Ratio Lower Upper
164 100
166 124.3 100.7 151.1
129 86.7 68.3 102.5
131 84.3 66.8 100.2

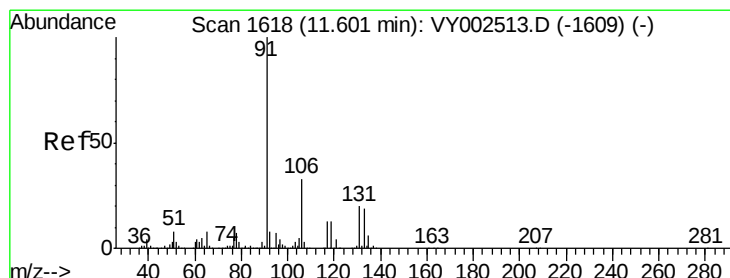
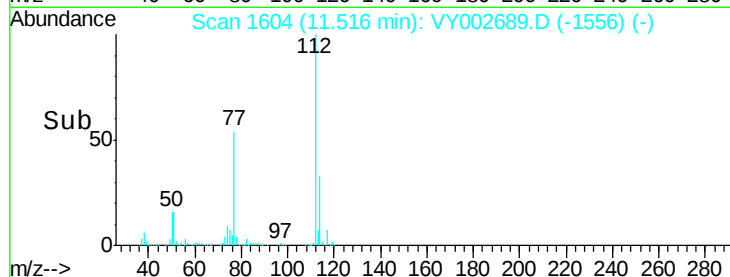
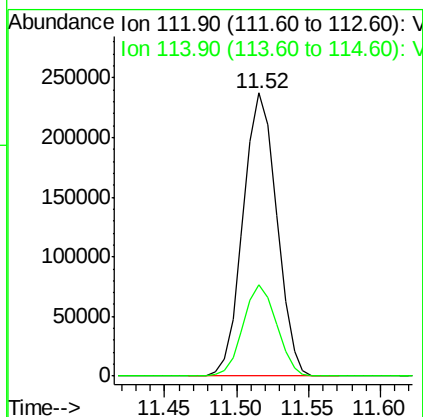
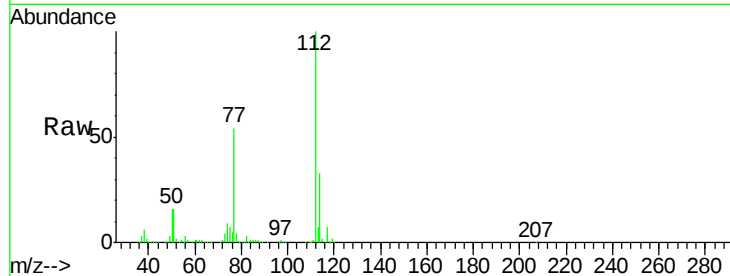




#65
Chlorobenzene
Concen: 50.121 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

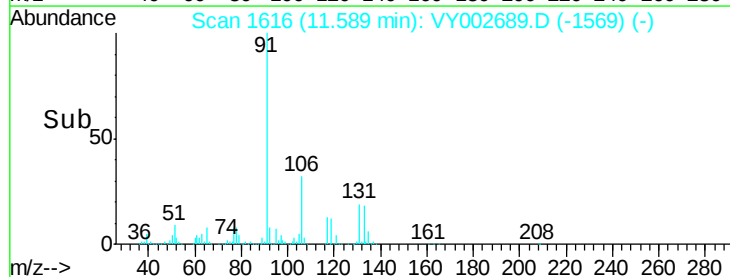
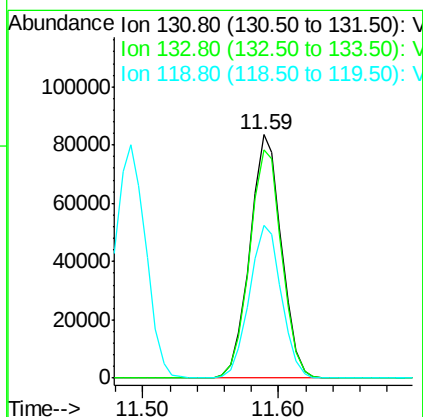
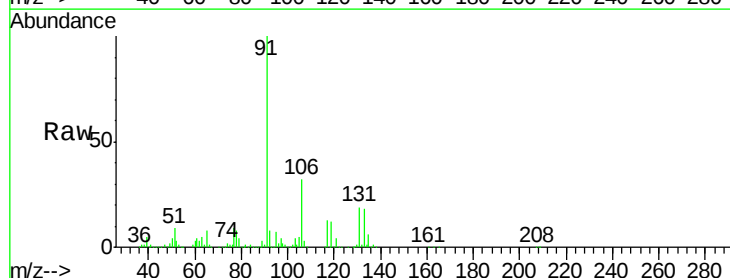
Instrument :
MSVOA_Y
ClientSampleId :

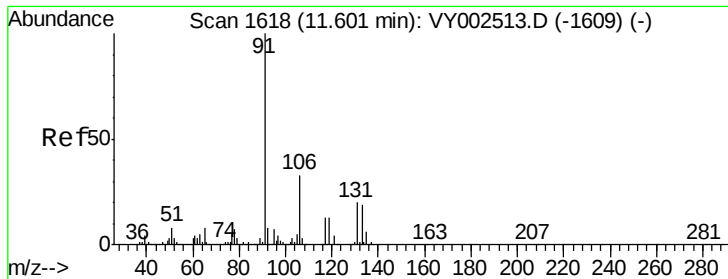
Tot Ion:112 Resp: 385011
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 47.734 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion:131 Resp: 136110
Ion Ratio Lower Upper
131 100
133 95.7 48.1 144.4
119 63.5 31.6 95.0





#67

Ethyl Benzene

Concen: 53.559 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

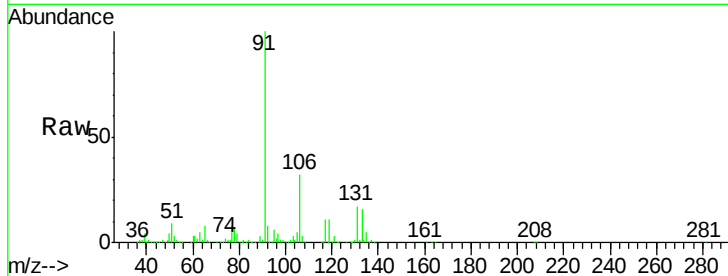
ClientSampleId :

Tot Ion: 91 Resp: 722685

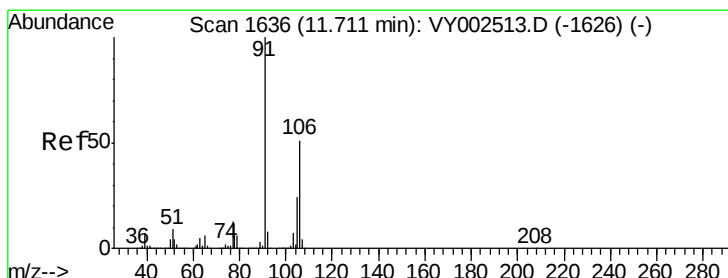
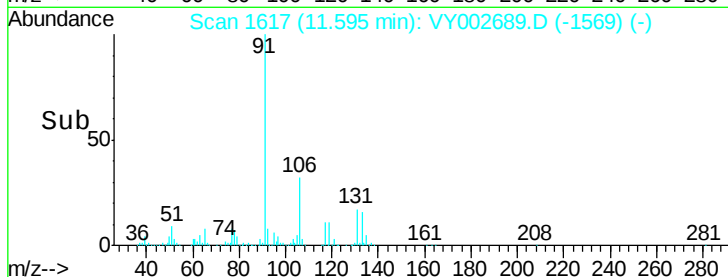
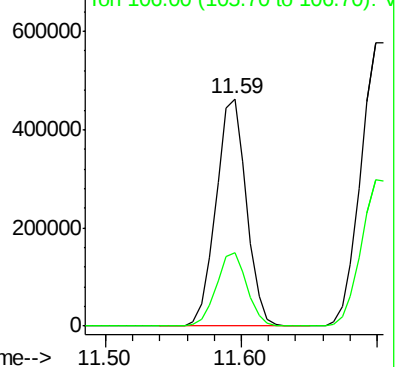
Ion Ratio Lower Upper

91 100

106 32.4 26.1 39.1



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



#68

m/p-Xylenes

Concen: 106.608 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY002689.D

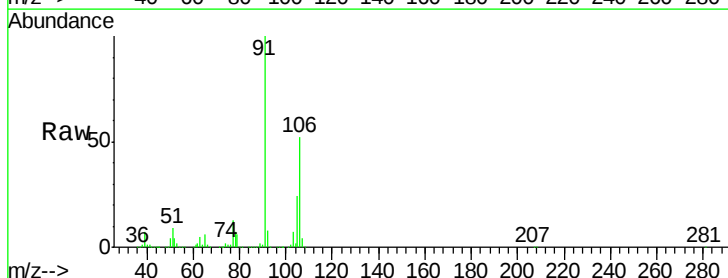
Acq: 13 May 2020 16:53

Tgt Ion: 106 Resp: 556586

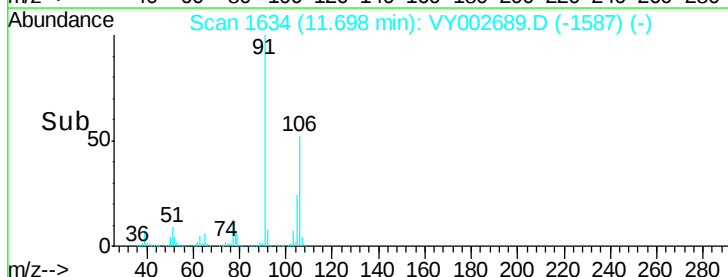
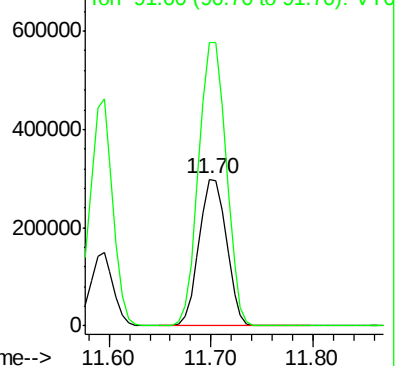
Ion Ratio Lower Upper

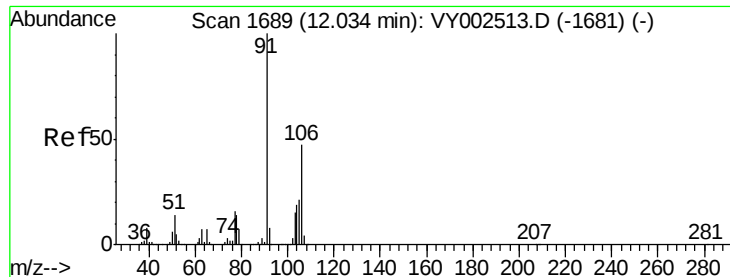
106 100

91 193.9 155.2 232.8



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

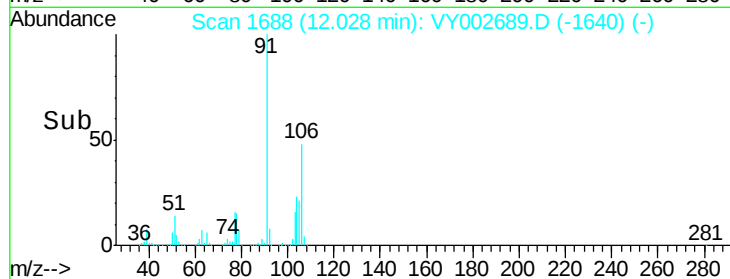
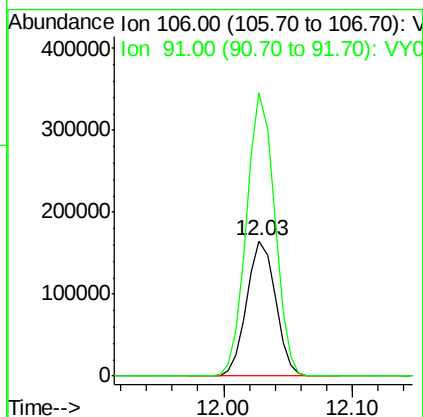
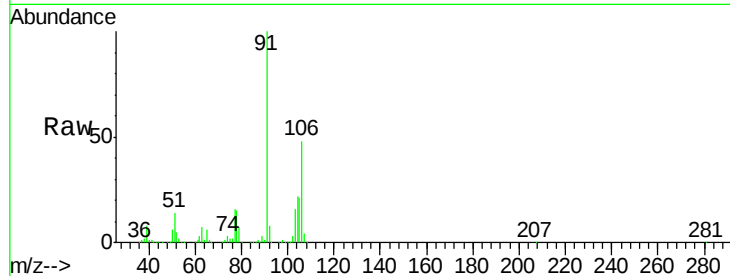




#69
o-Xylene
Concen: 52.101 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

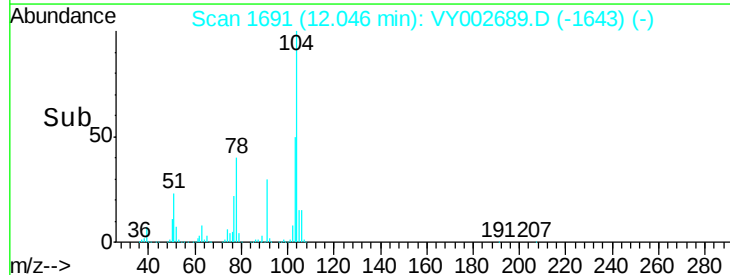
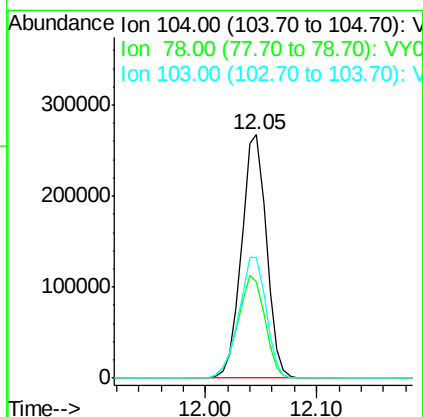
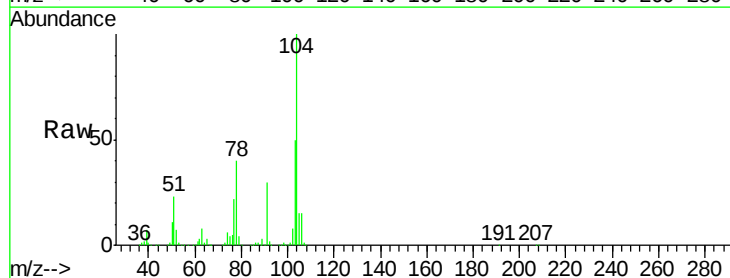
Instrument :
MSVOA_Y
ClientSampleId :

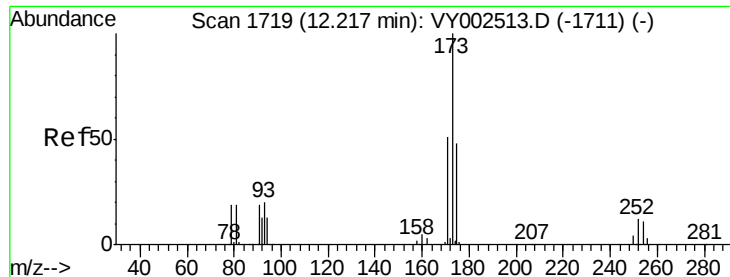
Tot Ion:106 Resp: 254690
Ion Ratio Lower Upper
106 100
91 205.0 103.8 311.3



#70
Styrene
Concen: 49.743 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion:104 Resp: 415697
Ion Ratio Lower Upper
104 100
78 46.0 37.4 56.0
103 54.5 43.9 65.9





#71

Bromoform

Concen: 35.448 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

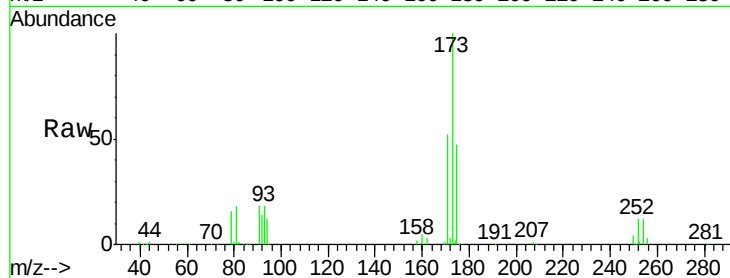
Tot Ion:173 Resp: 62736

Ion Ratio Lower Upper

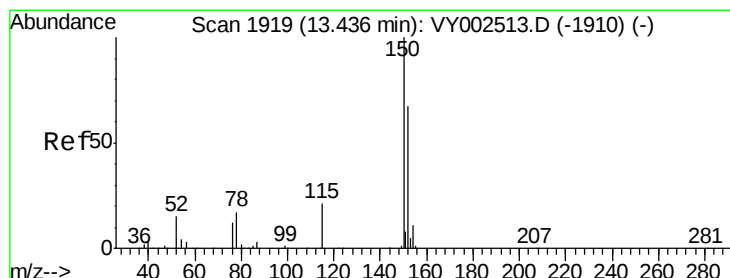
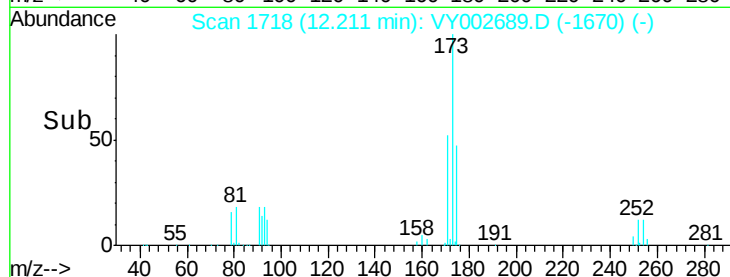
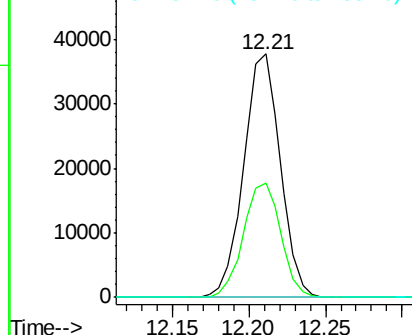
173 100

175 47.9 24.3 72.8

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

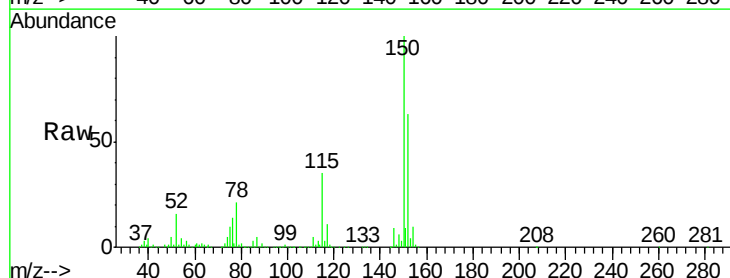
Tgt Ion:152 Resp: 197347

Ion Ratio Lower Upper

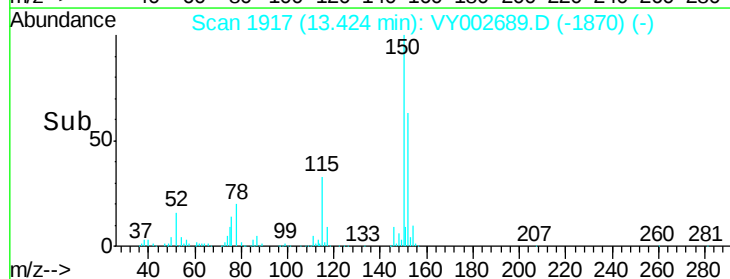
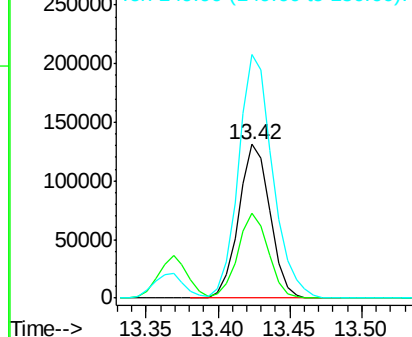
152 100

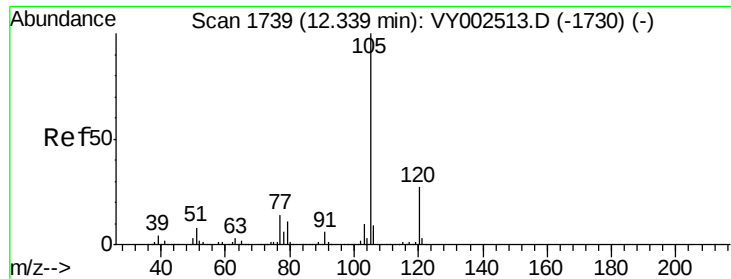
115 54.1 27.5 82.4

150 172.6 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: 57.395 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

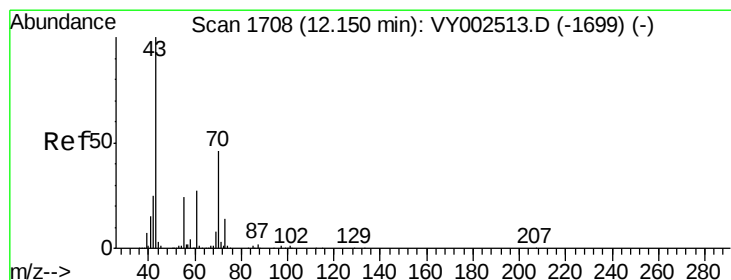
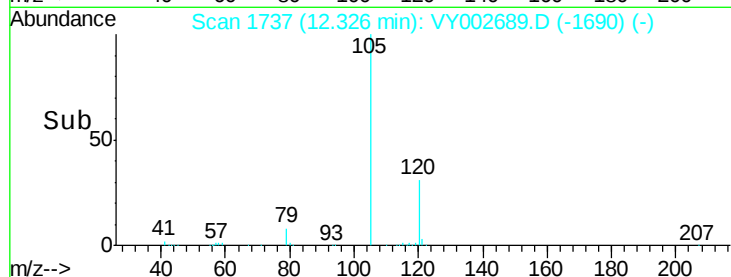
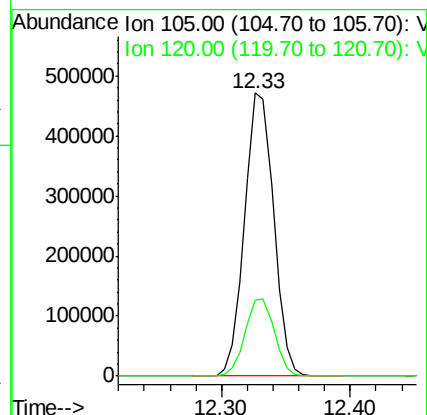
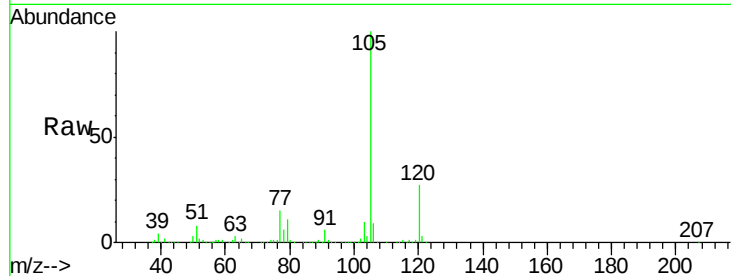
ClientSampleId :

Tot Ion:105 Resp: 734082

Ion Ratio Lower Upper

105 100

120 27.5 13.8 41.3



#74

N-ethyl acetate

Concen: 35.445 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Tgt Ion: 43 Resp: 109052

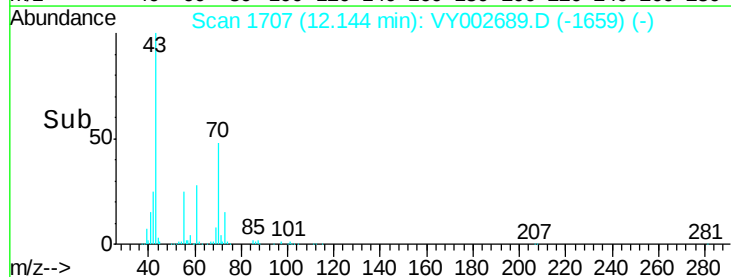
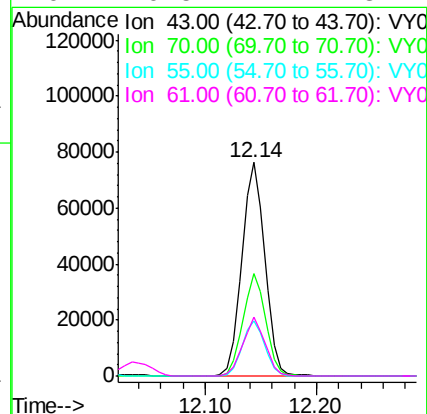
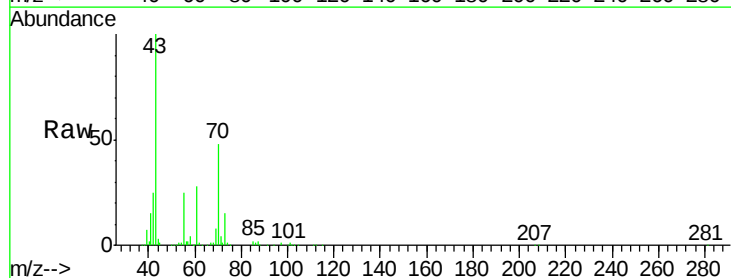
Ion Ratio Lower Upper

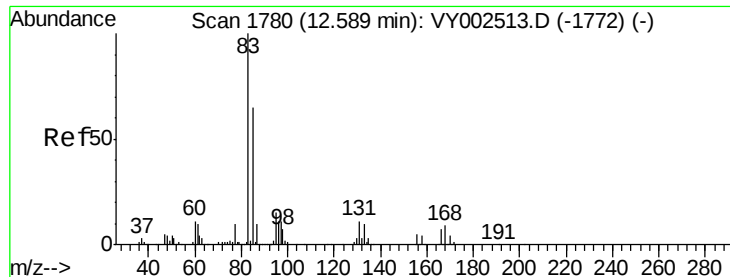
43 100

70 47.3 36.7 55.1

55 25.4 19.2 28.8

61 26.5 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 32.762 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

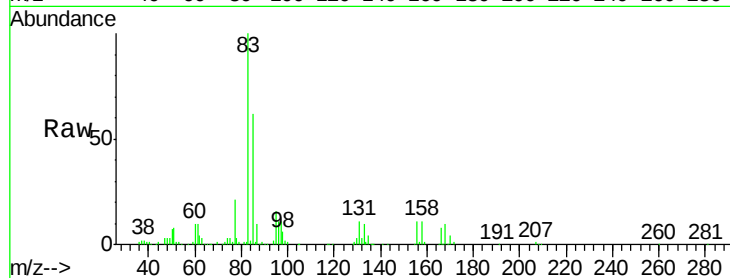
Tot Ion: 83 Resp: 66640

Ion Ratio Lower Upper

83 100

131 12.3 5.9 17.8

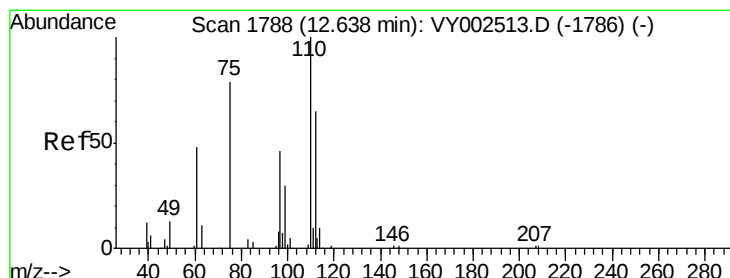
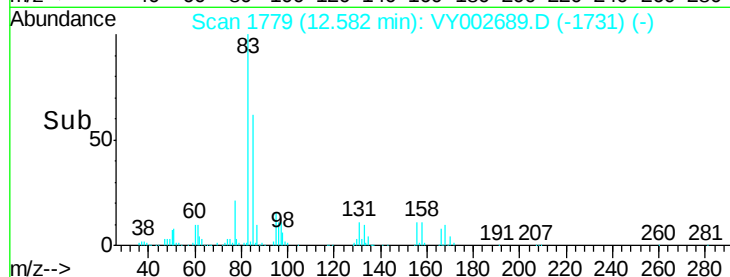
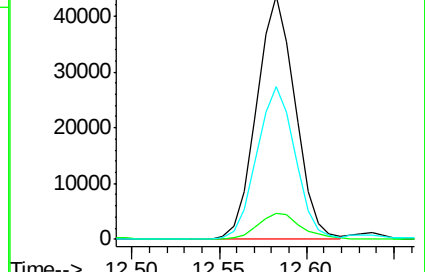
85 62.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VY002689.D (-1772) (-)

Ion 130.80 (130.50 to 131.50): VY002689.D (-1772) (-)

Ion 84.90 (84.60 to 85.60): VY002689.D (-1772) (-)



#76

1,2,3-Trichloropropane

Concen: 62.834 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VY002689.D

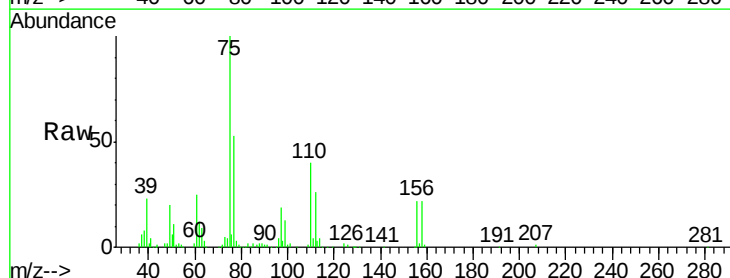
Acq: 13 May 2020 16:53

Tgt Ion: 75 Resp: 110196

Ion Ratio Lower Upper

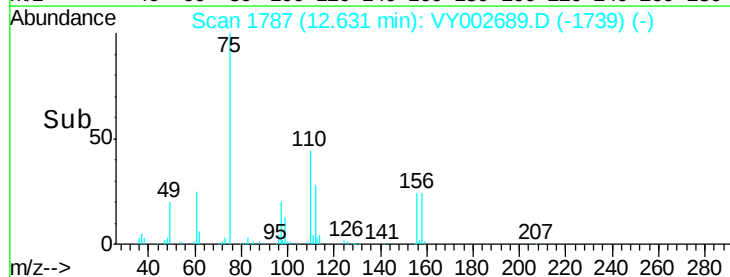
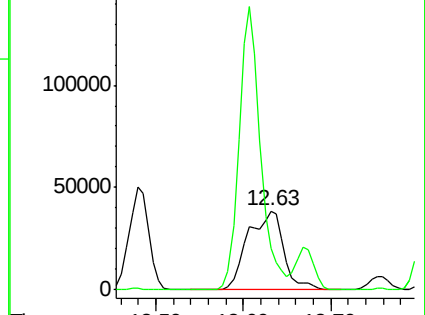
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002689.D (-1786) (-)

Ion 77.00 (76.70 to 77.70): VY002689.D (-1786) (-)





#77

Bromobenzene

Concen: 48.127 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

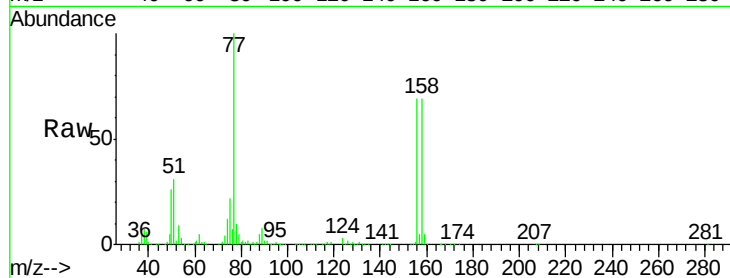
Tot Ion:156 Resp: 153787

Ion Ratio Lower Upper

156 100

77 154.3 82.0 245.8

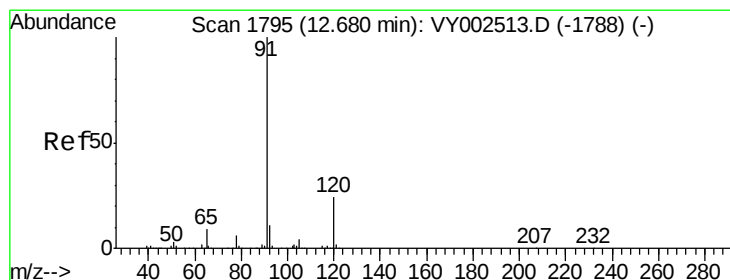
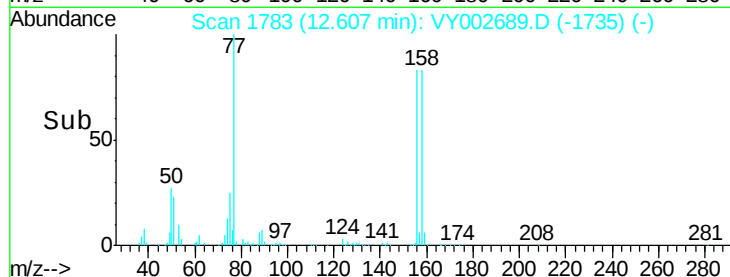
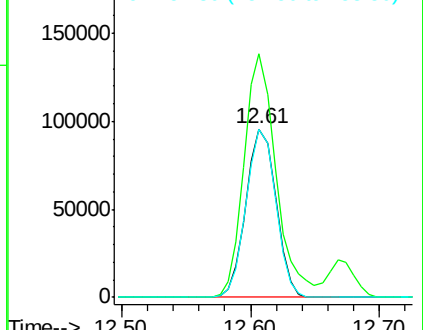
158 98.8 48.5 145.6



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: 57.058 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY002689.D

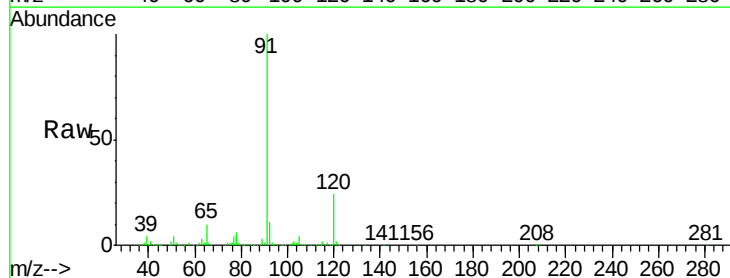
Acq: 13 May 2020 16:53

Tgt Ion: 91 Resp: 846890

Ion Ratio Lower Upper

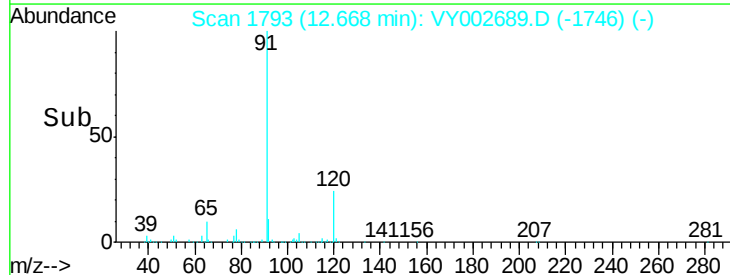
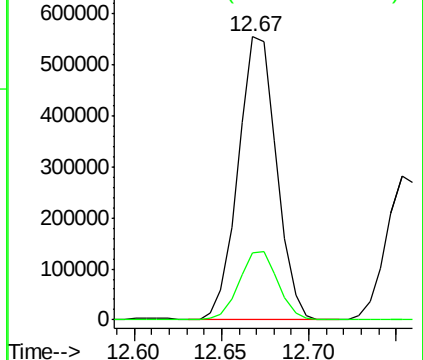
91 100

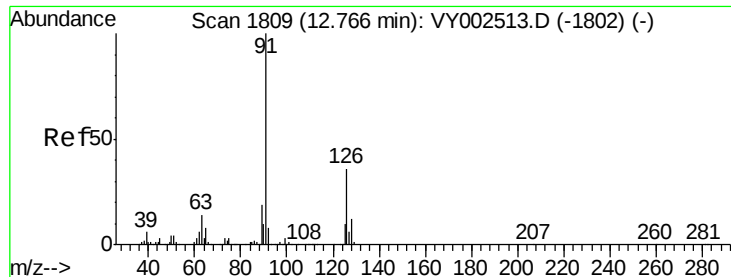
120 24.4 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

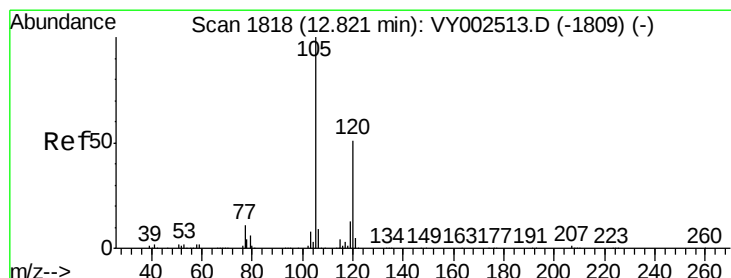
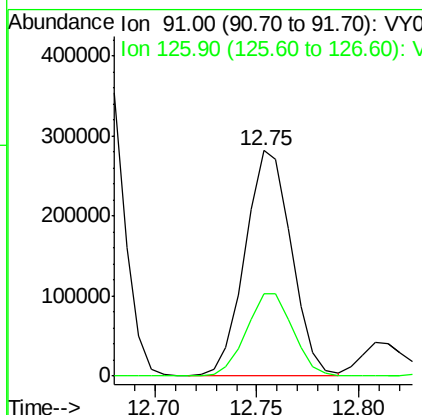
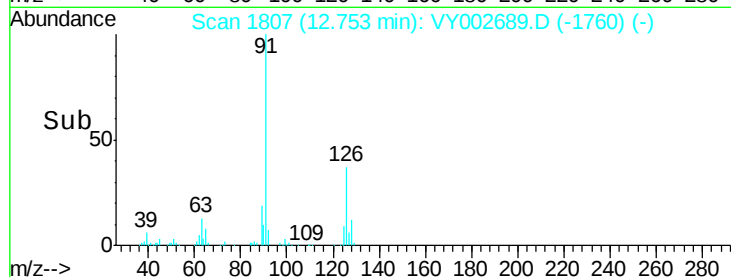
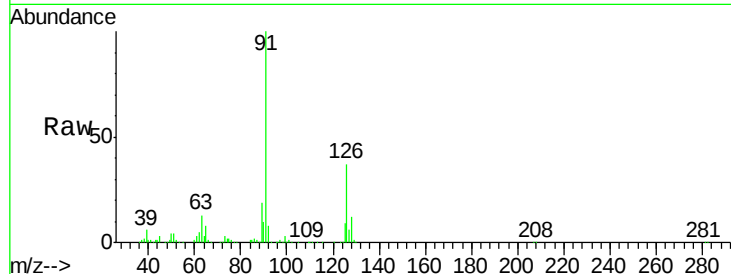




#79
 2-Chlorotoluene
 Concen: 54.155 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

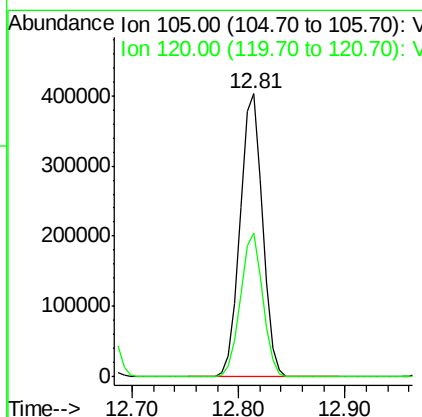
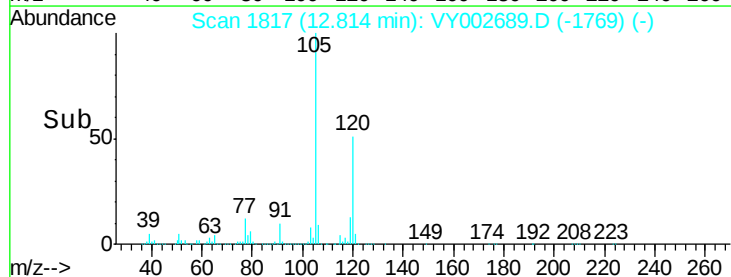
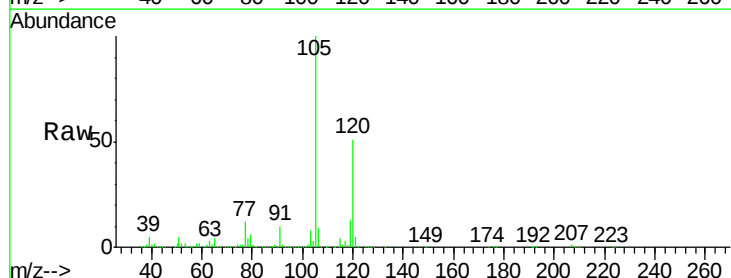
Instrument :
 MSVOA_Y
 ClientSampleId :

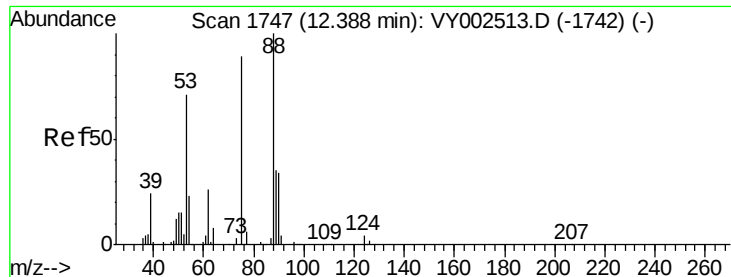
Tot Ion: 91 Resp: 445248
 Ion Ratio Lower Upper
 91 100
 126 36.8 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 56.263 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion: 105 Resp: 596499
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 32.092 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

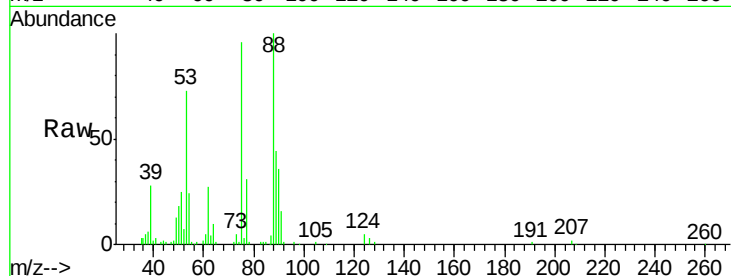
Tot Ion: 75 Resp: 28068

Ion Ratio Lower Upper

75 100

53 83.4 67.4 101.0

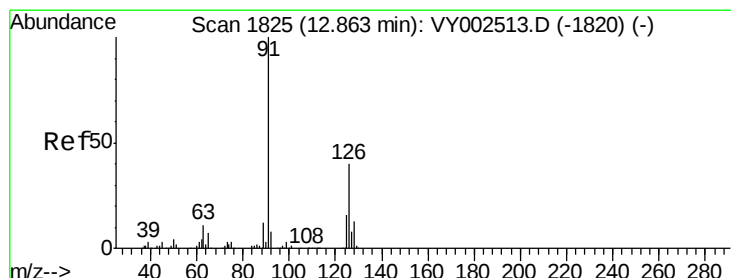
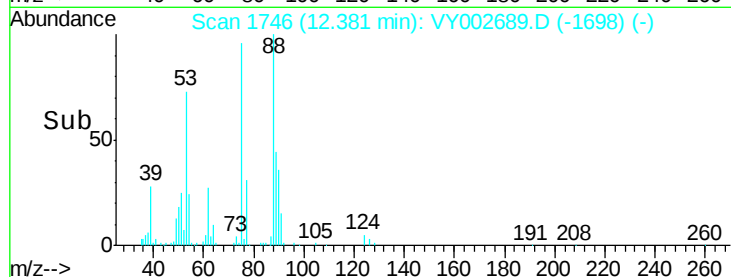
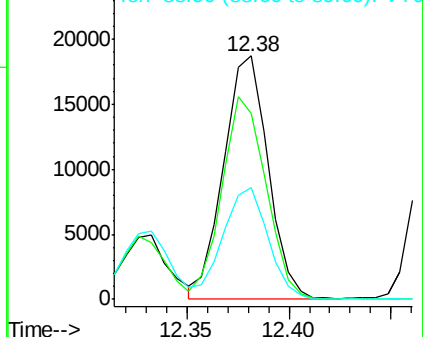
89 47.2 37.4 56.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 52.315 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.01 min

Lab File: VY002689.D

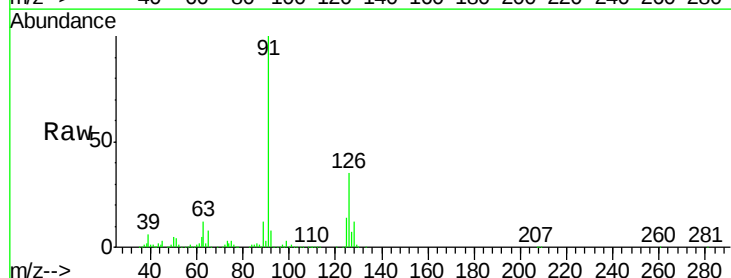
Acq: 13 May 2020 16:53

Tgt Ion: 91 Resp: 451801

Ion Ratio Lower Upper

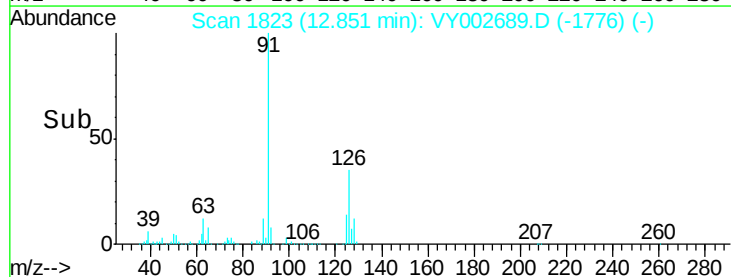
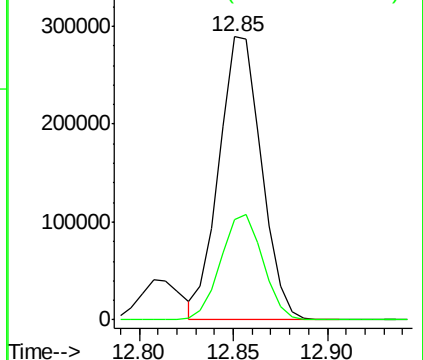
91 100

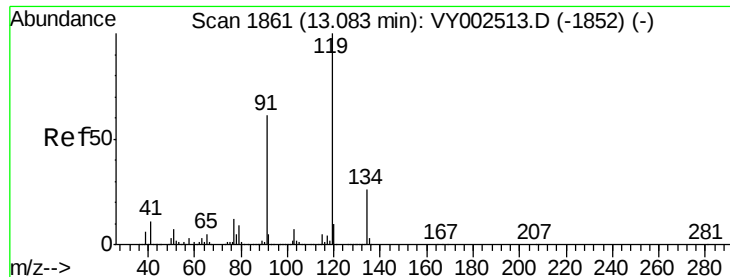
126 37.2 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

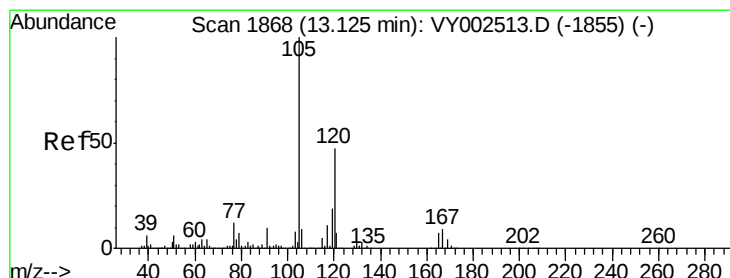
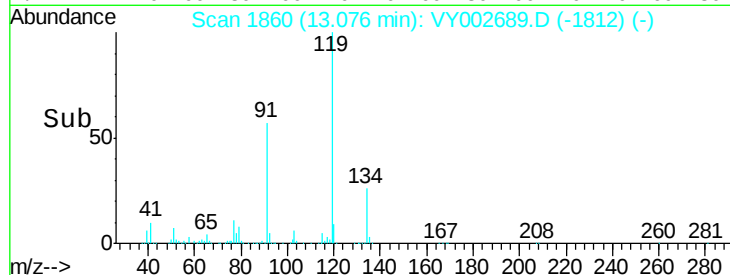
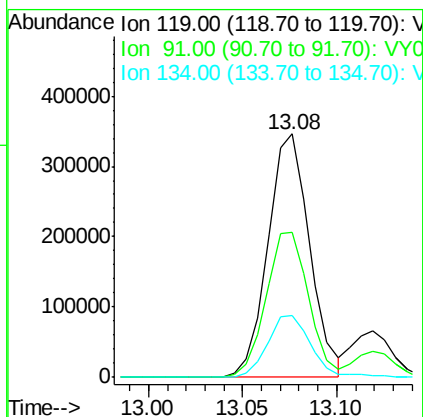
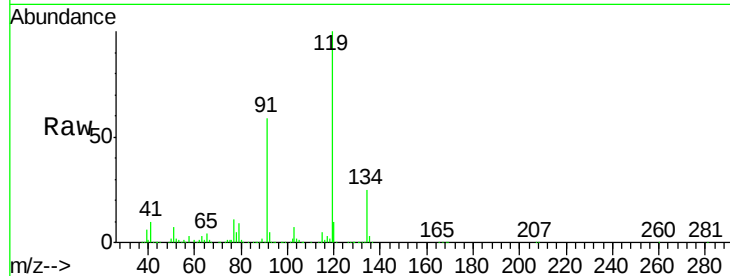




#83
 tert-Butylbenzene
 Concen: 57.256 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

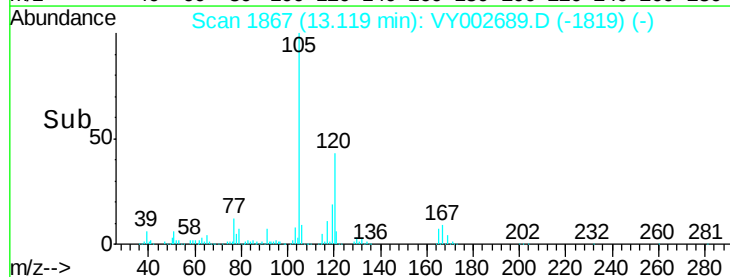
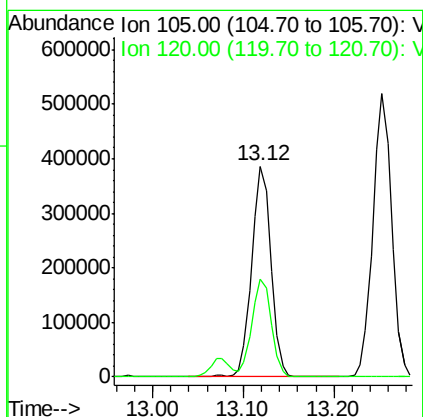
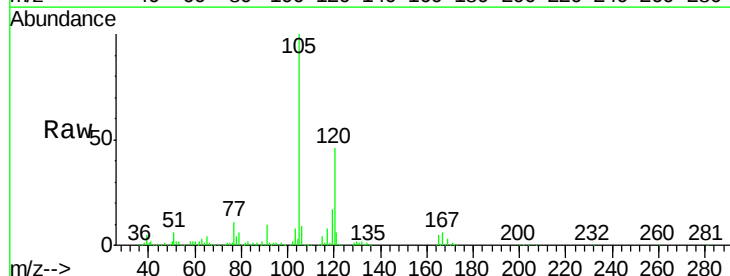
Instrument :
 MSVOA_Y
 ClientSampleId :

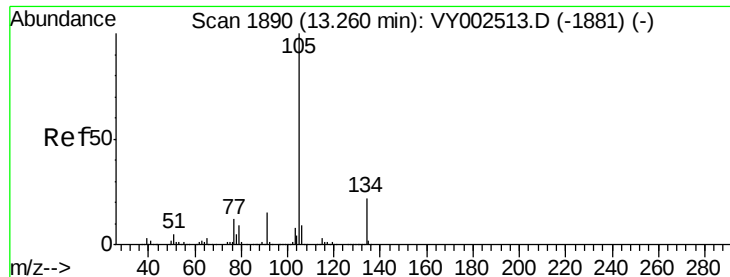
Tot Ion:119 Resp: 532247
 Ion Ratio Lower Upper
 119 100
 91 60.7 30.6 91.6
 134 26.5 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 53.993 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion:105 Resp: 570487
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.4 70.3





#85

sec-Butylbenzene

Concen: 57.880 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

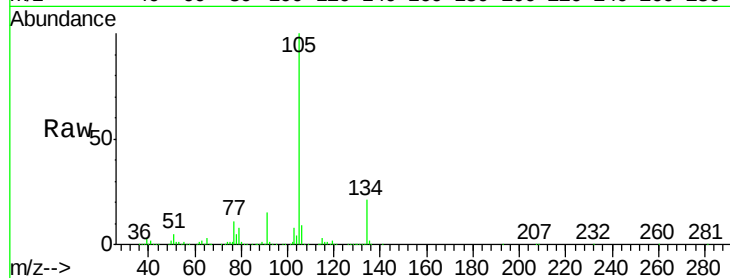
ClientSampleId :

Tot Ion:105 Resp: 746616

Ion Ratio Lower Upper

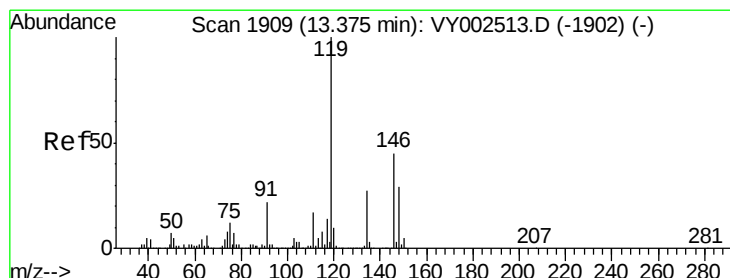
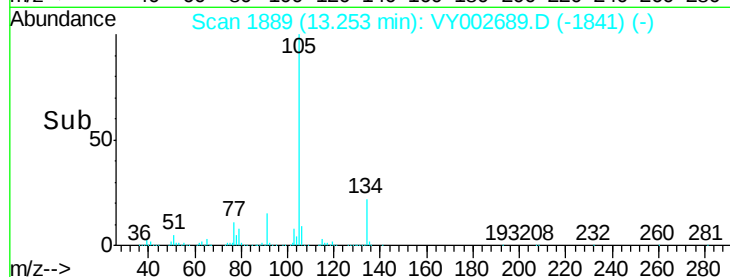
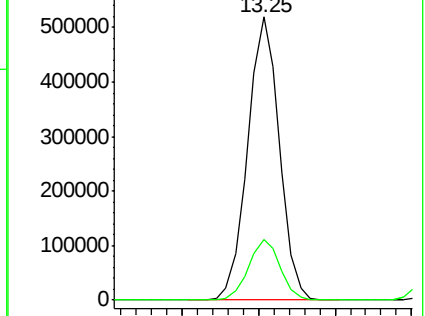
105 100

134 21.5 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.629 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

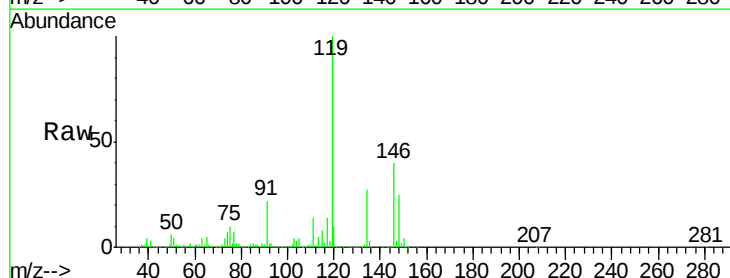
Tgt Ion:119 Resp: 684451

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

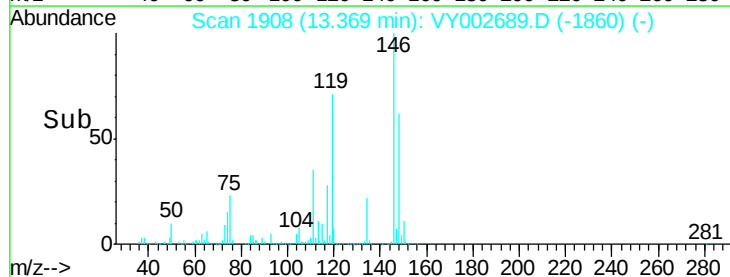
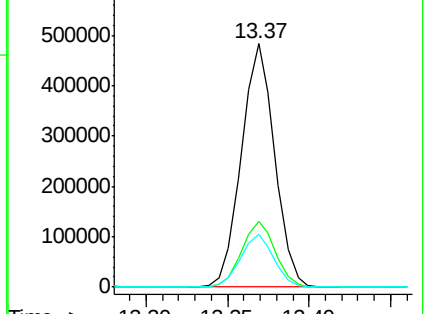
91 21.6 10.9 32.9



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

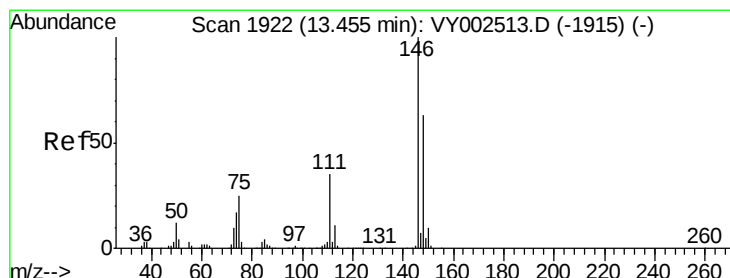
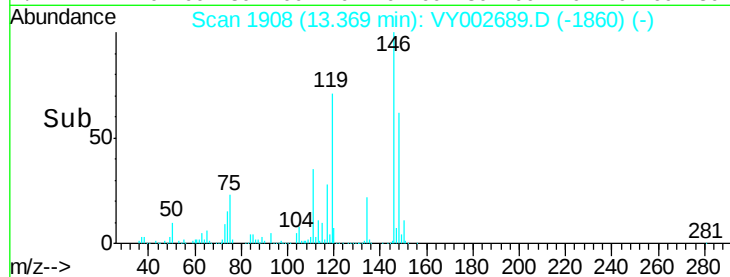
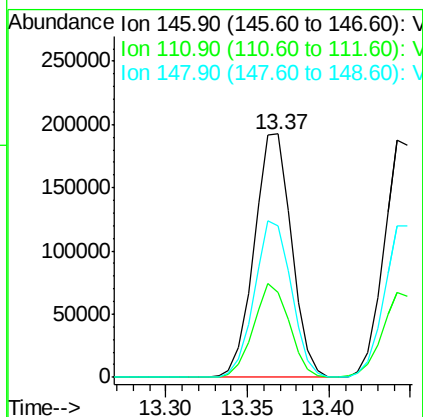
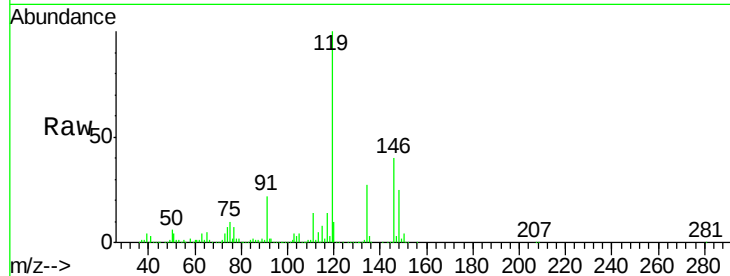




#87
 1,3-Dichlorobenzene
 Concen: 50.598 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

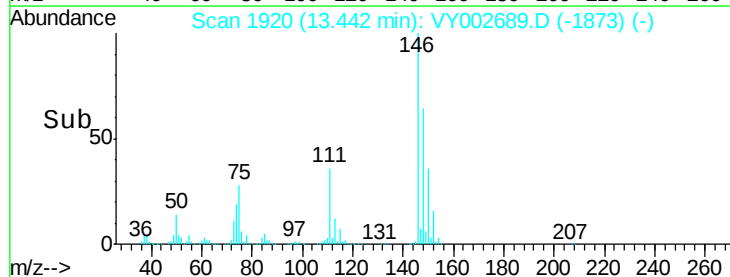
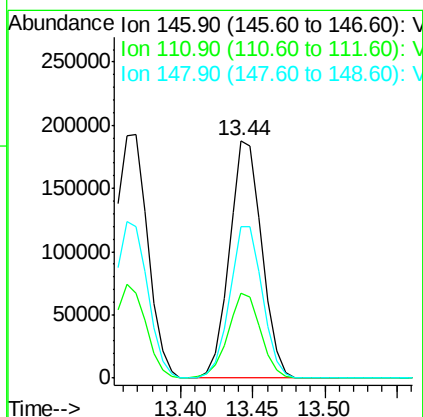
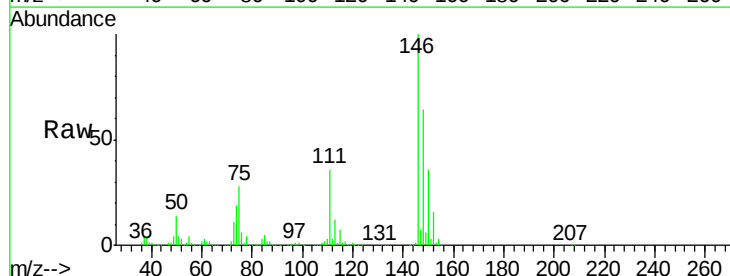
Instrument :
 MSVOA_Y
 ClientSampled :

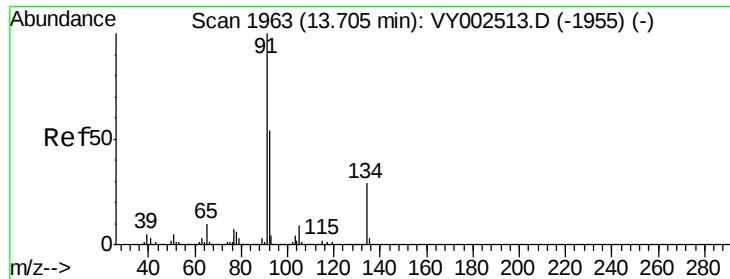
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.3
148	63.9	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 49.351 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.1	54.1
148	64.6	31.9	95.5

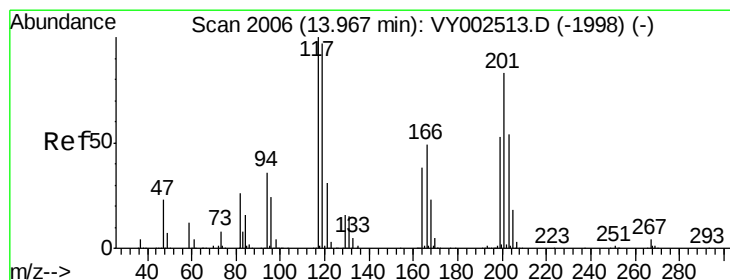
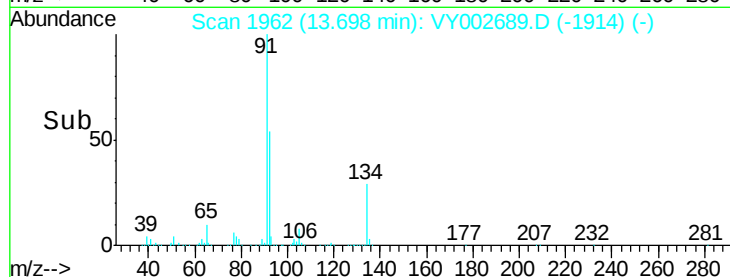
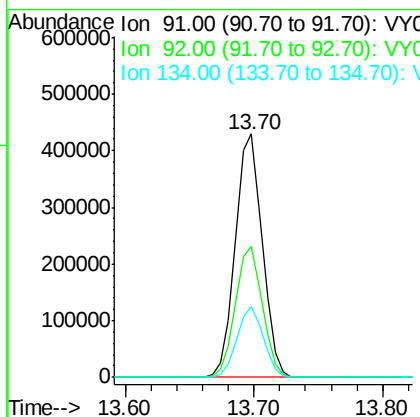
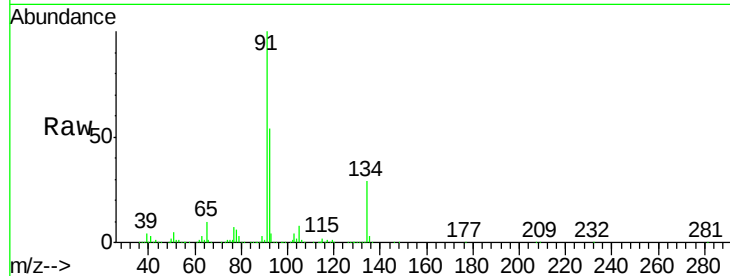




#89
n-Butylbenzene
Concen: 56.793 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

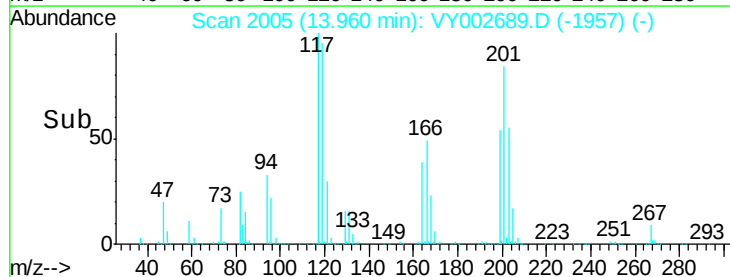
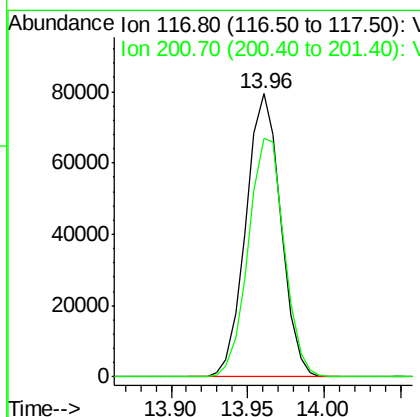
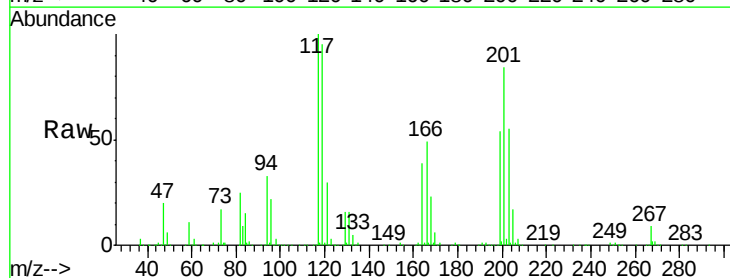
Instrument :
MSVOA_Y
ClientSampleId :

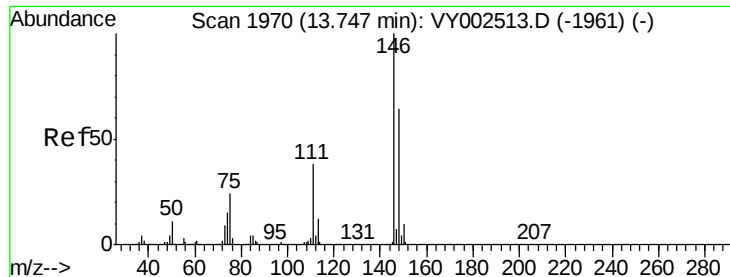
Tot Ion: 91 Resp: 624891
Ion Ratio Lower Upper
91 100
92 53.8 27.1 81.3
134 28.5 14.4 43.0



#90
Hexachloroethane
Concen: 57.389 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion: 117 Resp: 126318
Ion Ratio Lower Upper
117 100
201 86.7 44.4 133.2

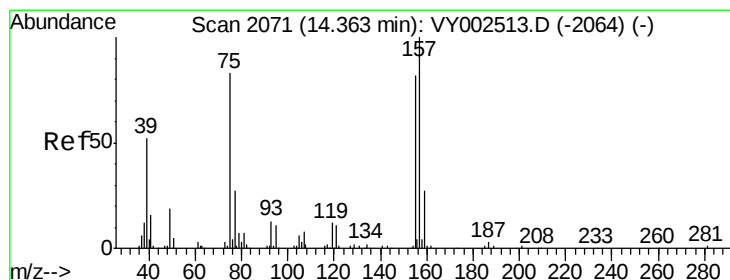
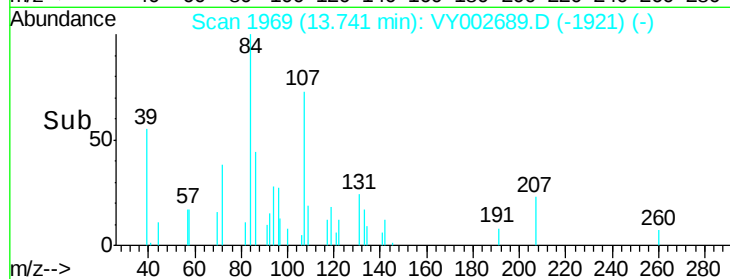
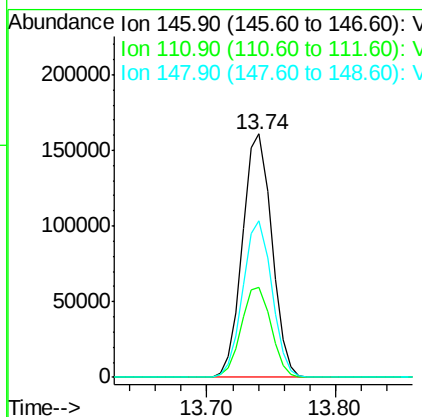
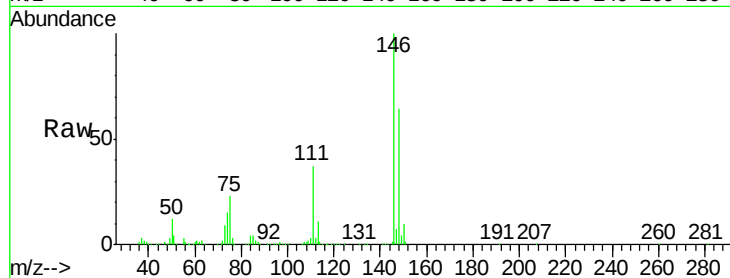




#91
 1,2-Dichlorobenzene
 Concen: 46.889 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

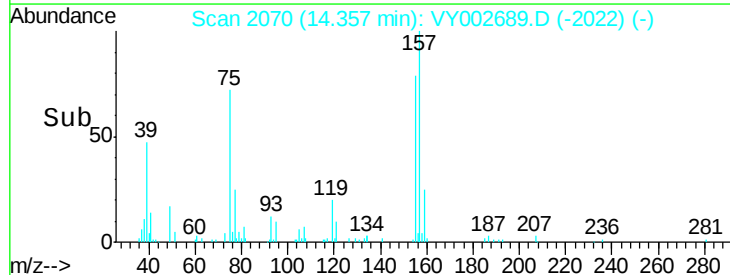
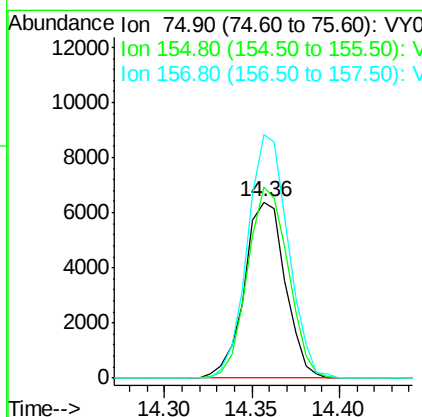
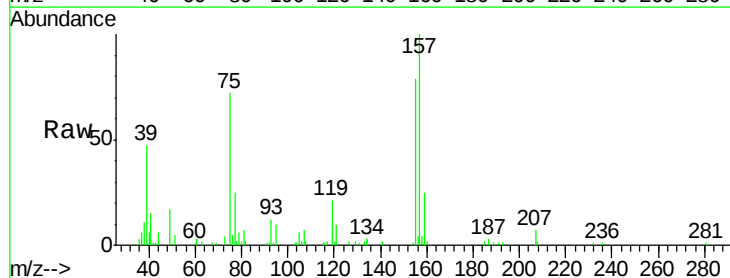
Instrument :
 MSVOA_Y
 ClientSampleId :

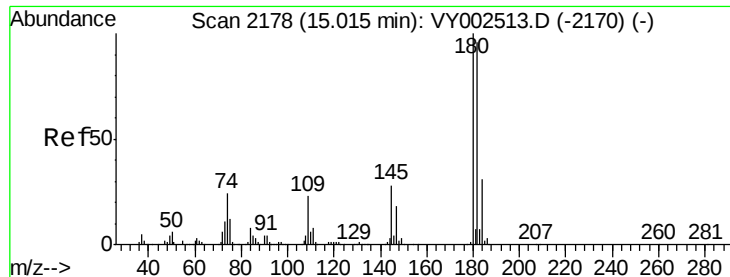
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.5
148	63.7	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 27.450 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.9	51.3	153.9
157	137.0	65.0	195.0

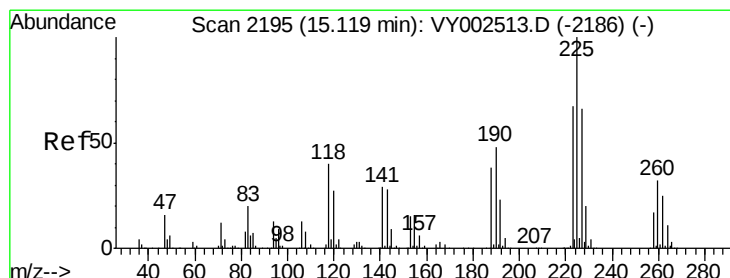
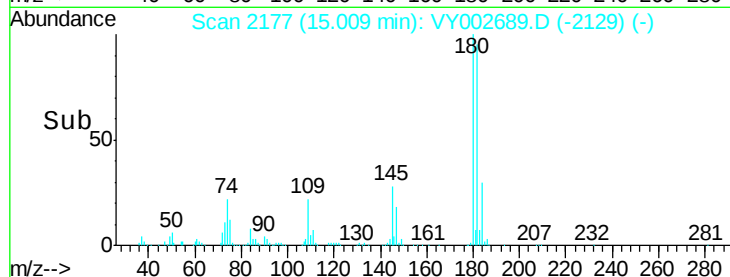
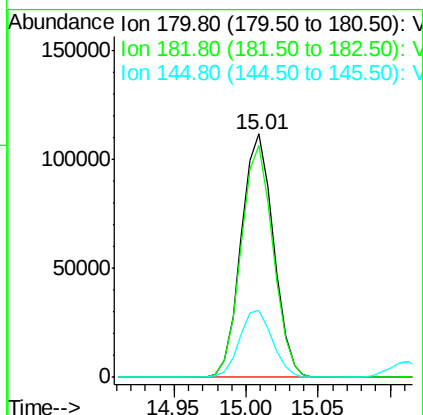
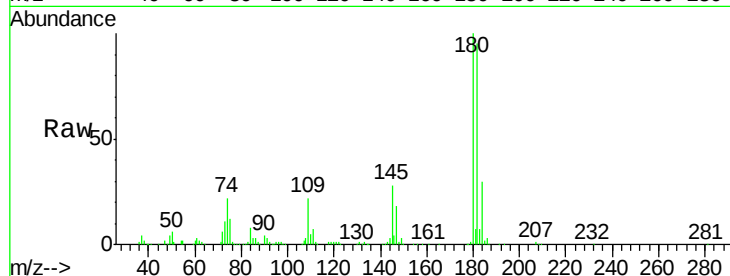




#93
 1,2,4-Trichlorobenzene
 Concen: 44.383 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

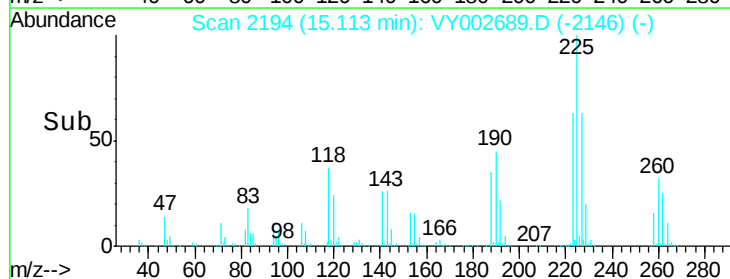
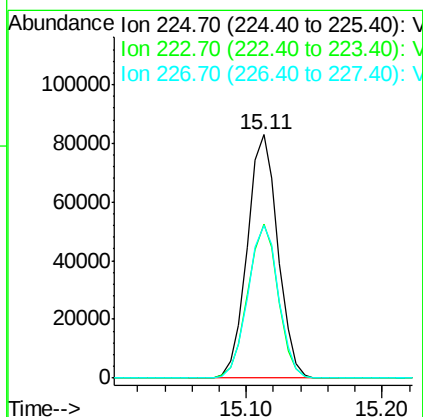
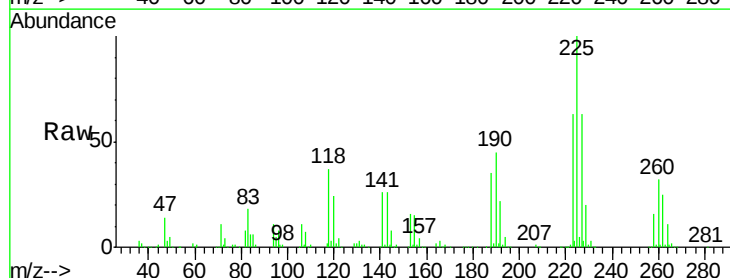
Instrument :
 MSVOA_Y
 ClientSampleId :

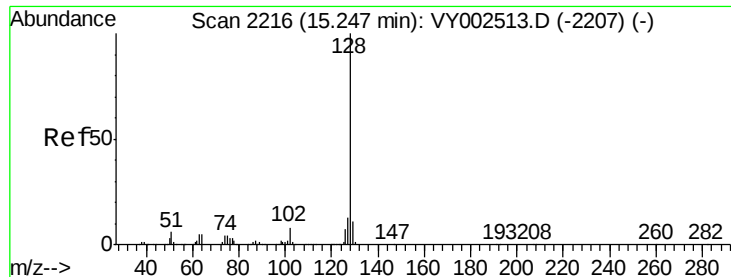
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.9	143.6
145	28.0	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 55.520 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.1	96.5
227	63.2	32.0	96.2

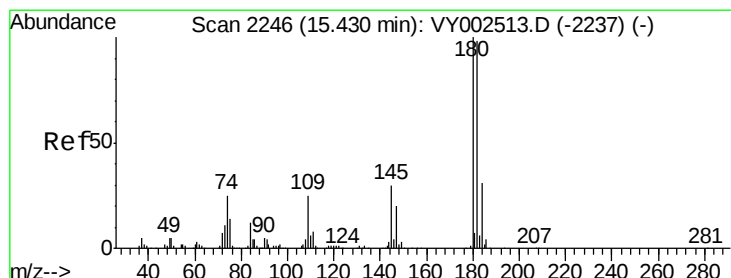
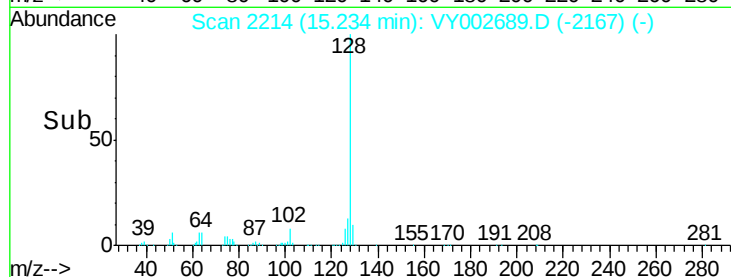
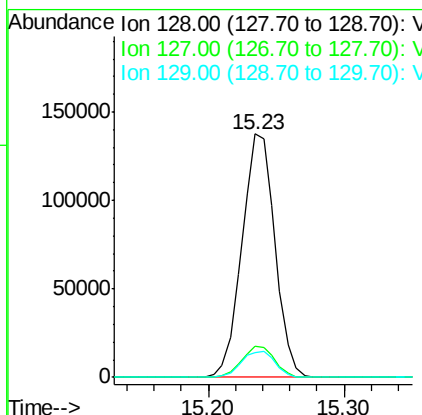
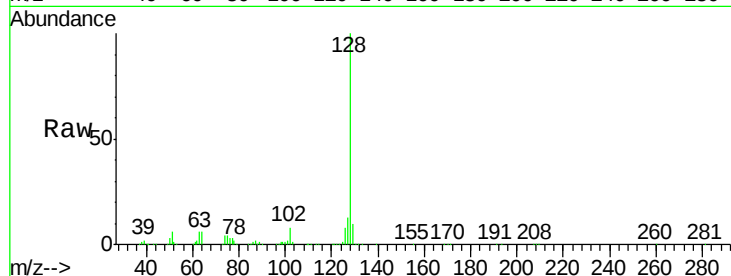




#95
Naphthalene
Concen: 32.574 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	11.0	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 39.434 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.8
145	30.1	15.0	45.1

