

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042020\
 Data File : VY002421.D
 Acq On : 20 Apr 2020 13:55
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 20 14:42:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 14:34:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	293903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	453292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	408183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	204250	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	42777	13.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.78%	
35) Dibromofluoromethane	7.74	113	46934	17.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.48%	
50) Toluene-d8	10.19	98	193046	17.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.18%	
62) 4-Bromofluorobenzene	12.49	95	62583	17.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	38836	13.747	ug/l	100
3) Chloromethane	2.12	50	47426	13.406	ug/l	96
4) Vinyl Chloride	2.26	62	51956	13.733	ug/l	100
5) Bromomethane	2.65	94	31938	13.677	ug/l	98
6) Chloroethane	2.80	64	30502	14.005	ug/l	96
7) Trichlorofluoromethane	3.14	101	84394	16.921	ug/l	99
8) Diethyl Ether	3.55	74	33559	15.985	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.93	101	55055	16.316	ug/l	99
10) Methyl Iodide	4.11	142	71536	17.680	ug/l	100
11) Tert butyl alcohol	4.99	59	28612	69.578	ug/l #	87
12) 1,1-Dichloroethene	3.90	96	56402	16.387	ug/l	100
13) Acrolein	3.75	56	23053	57.509	ug/l	100
14) Allyl chloride	4.51	41	72589	13.566	ug/l	97
15) Acrylonitrile	5.19	53	77767	73.460	ug/l	99
16) Acetone	3.97	43	57298	70.278	ug/l	99
17) Carbon Disulfide	4.21	76	167958	14.861	ug/l	100
18) Methyl Acetate	4.51	43	36202	14.473	ug/l	95
19) Methyl tert-butyl Ether	5.25	73	137945	15.518	ug/l	98
20) Methylene Chloride	4.74	84	65693	16.074	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	61420	15.984	ug/l	95
22) Diisopropyl ether	6.14	45	150383	13.998	ug/l	98
23) Vinyl Acetate	6.08	43	474087	69.049	ug/l	98
24) 1,1-Dichloroethane	6.04	63	90253	14.531	ug/l	96
25) 2-Butanone	7.01	43	89134	69.694	ug/l	94
26) 2,2-Dichloropropane	7.00	77	78545	14.977	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	66522	15.909	ug/l	98
28) Bromochloromethane	7.36	49	37470	14.272	ug/l	96
29) Tetrahydrofuran	7.37	42	57065	67.699	ug/l	97
30) Chloroform	7.53	83	93144	15.749	ug/l	93
31) Cyclohexane	7.80	56	90736	14.001	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	81754	16.527	ug/l	99
36) 1,1-Dichloropropene	7.94	75	74609	17.172	ug/l	99
37) Ethyl Acetate	7.10	43	37088	15.235	ug/l	100
38) Carbon Tetrachloride	7.92	117	74309	19.467	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	102745	17.335	ug/l	98
40) Benzene	8.18	78	231777	17.535	ug/l	99
41) Methacrylonitrile	7.36	41	51308	35.861	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	54852	16.839	ug/l	98
43) Isopropyl Acetate	8.28	43	69515	15.687	ug/l	99
44) Trichloroethene	8.95	130	77447	19.435	ug/l	99
45) 1,2-Dichloropropane	9.23	63	53629	16.571	ug/l	94
46) Dibromomethane	9.32	93	31254	18.133	ug/l	97
47) Bromodichloromethane	9.51	83	70376	17.840	ug/l	94
48) Methyl methacrylate	9.30	41	30762	15.459	ug/l	96
49) 1,4-Dioxane	9.31	88	9480	386.825	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	183765	79.266	ug/l	98
52) Toluene	10.25	92	145251	18.139	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	74007	17.298	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	89453	17.404	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	46903	18.556	ug/l	95
56) Ethyl methacrylate	10.52	69	61493	17.302	ug/l	99
57) 1,3-Dichloropropane	10.80	76	77539	17.633	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	149517	81.081	ug/l	98
59) 2-Hexanone	10.84	43	130640	81.255	ug/l	97
60) Dibromochloromethane	11.00	129	56491	20.559	ug/l	99
61) 1,2-Dibromoethane	11.10	107	45387	18.749	ug/l	100
64) Tetrachloroethene	10.73	164	89838	21.486	ug/l	98
65) Chlorobenzene	11.52	112	158440	18.853	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	57145	20.426	ug/l	98
67) Ethyl Benzene	11.60	91	276613	18.162	ug/l	100
68) m/p-Xylenes	11.71	106	212861	37.075	ug/l	99
69) o-Xylene	12.03	106	100552	18.655	ug/l	99
70) Styrene	12.05	104	170635	18.273	ug/l	99
71) Bromoform	12.22	173	34453	22.204	ug/l #	98
73) Isopropylbenzene	12.34	105	270260	17.309	ug/l	100
74) N-amyl acetate	12.15	43	62217	14.429	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	33108	17.495	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	68734	30.265	ug/l #	100
77) Bromobenzene	12.62	156	67429	19.219	ug/l	95
78) n-propylbenzene	12.68	91	320781	16.621	ug/l	99
79) 2-Chlorotoluene	12.77	91	173903	16.571	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	225612	17.483	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	19222	16.426	ug/l	100
82) 4-Chlorotoluene	12.86	91	183063	16.643	ug/l #	100
83) tert-Butylbenzene	13.08	119	197019	18.157	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	224340	17.398	ug/l	100
85) sec-Butylbenzene	13.26	105	279084	17.309	ug/l	100
86) p-Isopropyltoluene	13.38	119	253169	18.140	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	127422	18.841	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	127651	18.571	ug/l	98
89) n-Butylbenzene	13.70	91	236869	16.752	ug/l	99
90) Hexachloroethane	13.97	117	46618	17.564	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	117123	19.054	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7825	17.231	ug/l	94

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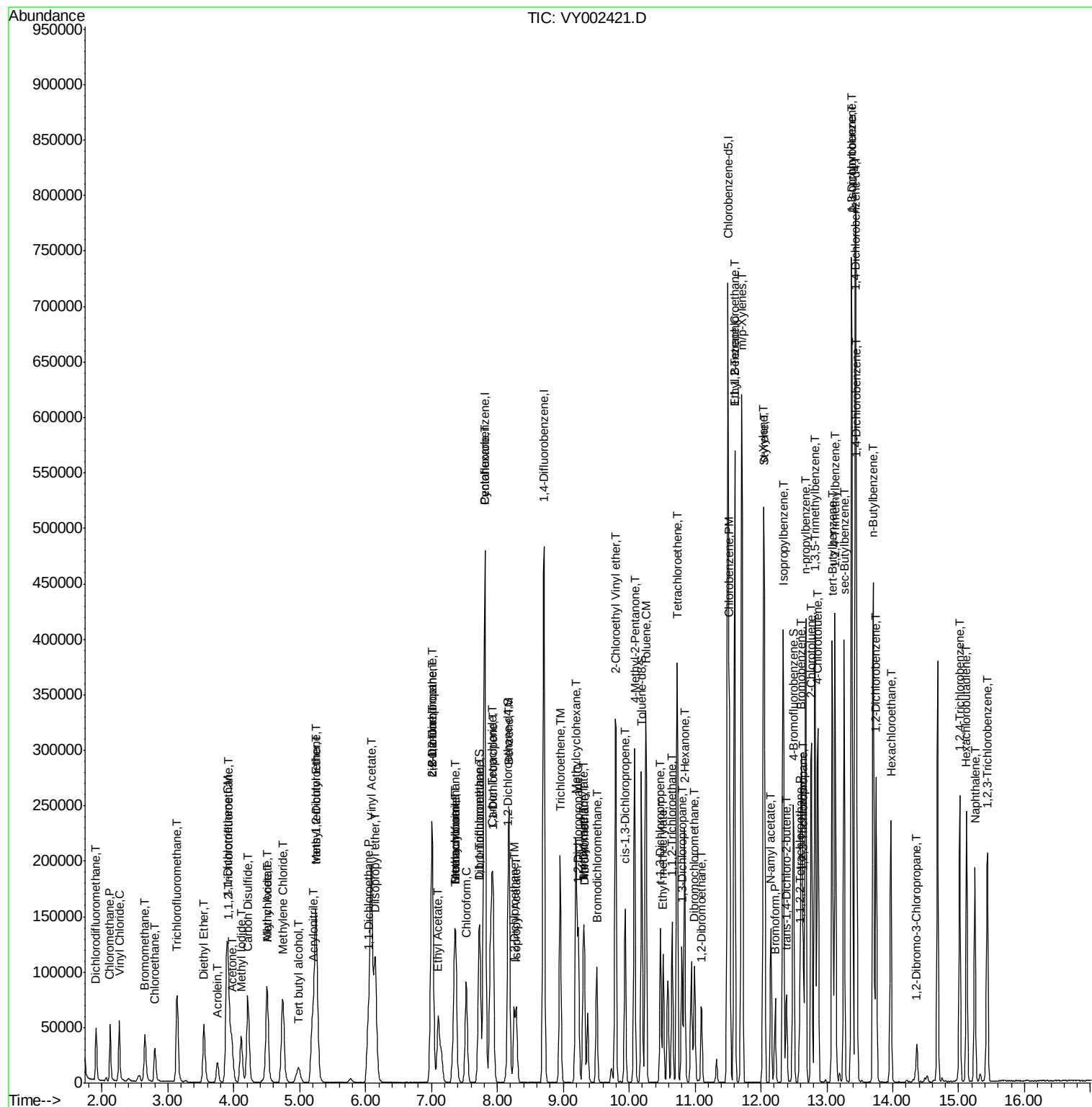
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	84188	20.585	ug/l	99
94) Hexachlorobutadiene	15.13	225	46028	22.083	ug/l	99
95) Naphthalene	15.25	128	162702	18.586	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	71251	20.072	ug/l	98

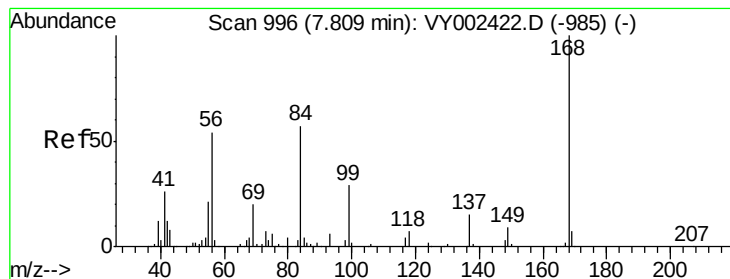
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

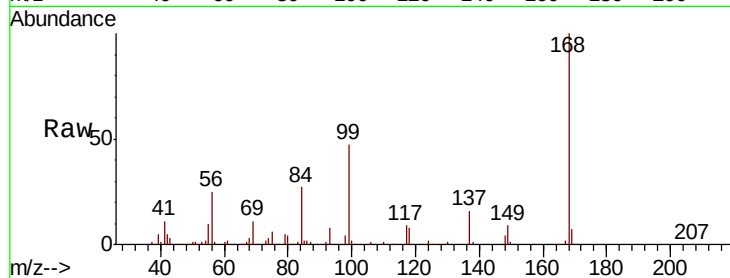
ClientSampleId :

Tot Ion:168 Resp: 293903

Ion Ratio Lower Upper

168 100

99 46.8 37.0 55.4



Abundance Ion 167.90 (167.60 to 168.60): VY002421.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002421.D (-947) (-)

7.81

150000

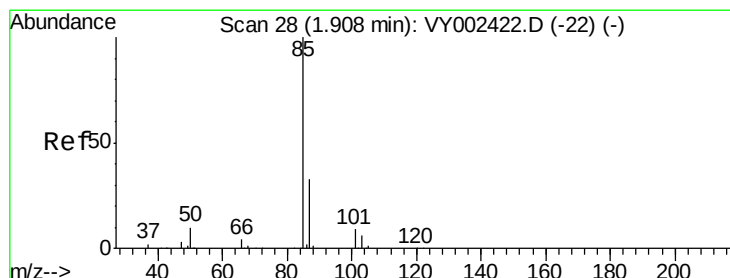
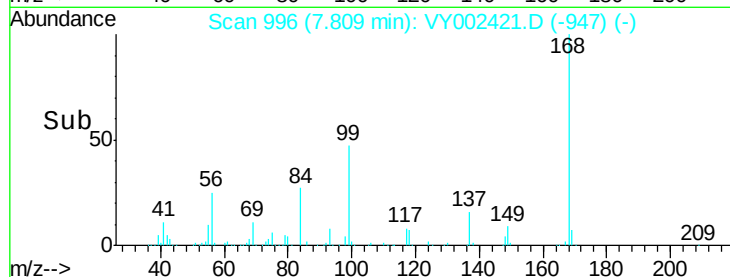
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 13.747 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002421.D

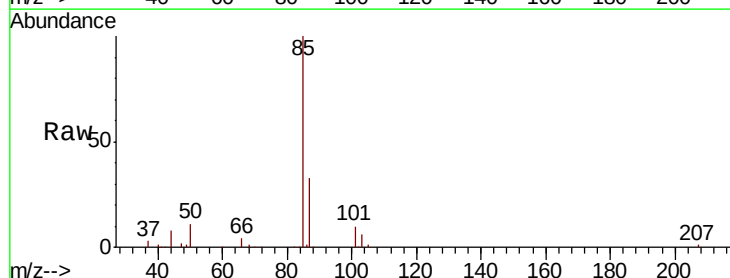
Acq: 20 Apr 2020 13:55

Tgt Ion: 85 Resp: 38836

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VY002421.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002421.D (-1) (-)

1.91

30000

25000

20000

15000

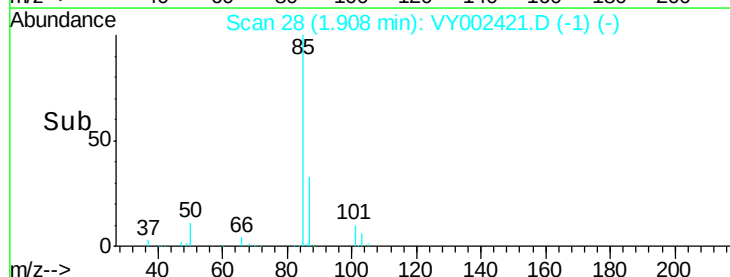
10000

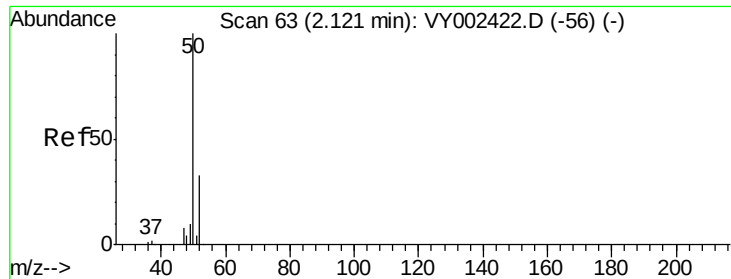
5000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 13.406 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

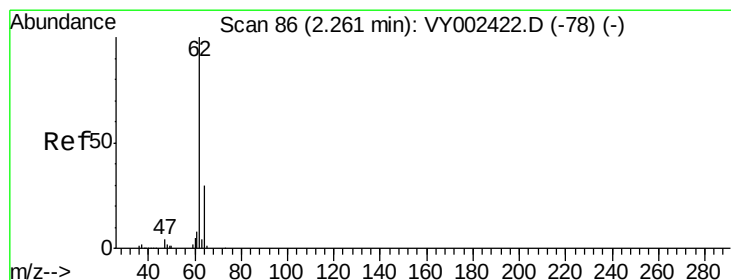
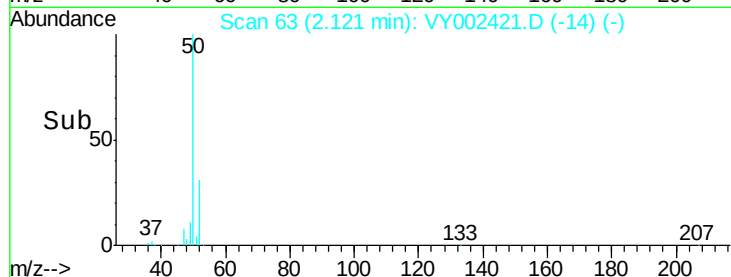
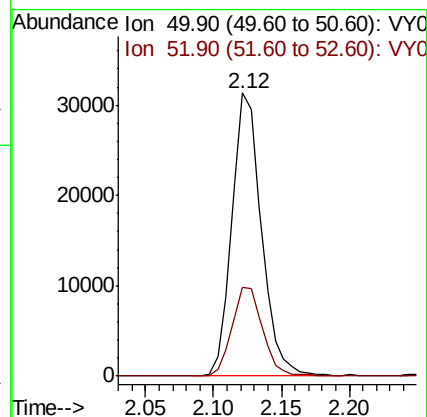
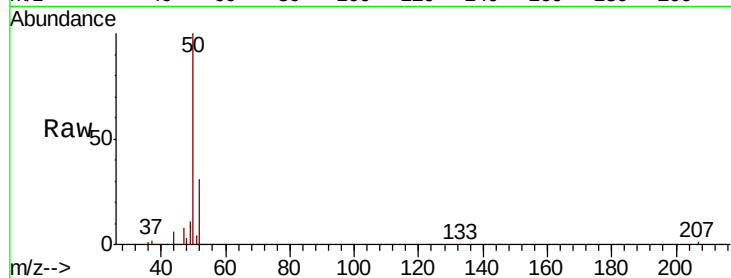
ClientSampleId :

Tot Ion: 50 Resp: 47426

Ion Ratio Lower Upper

50 100

52 31.4 26.7 40.1



#4

Vinyl Chloride

Concen: 13.733 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY002421.D

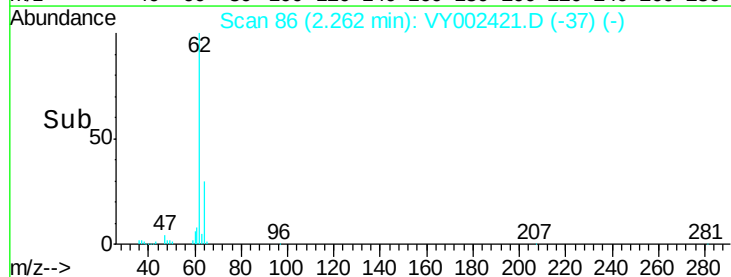
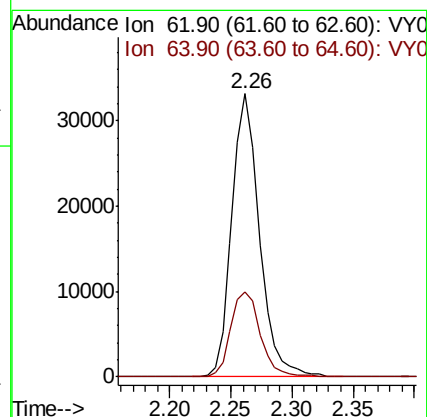
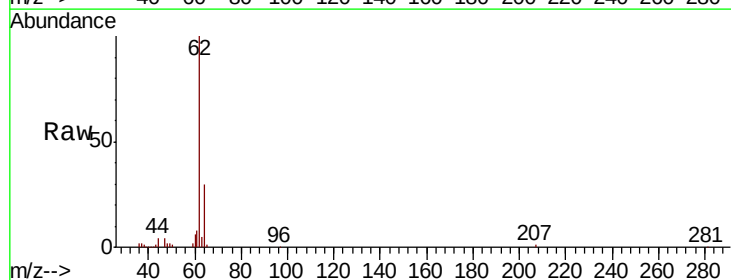
Acq: 20 Apr 2020 13:55

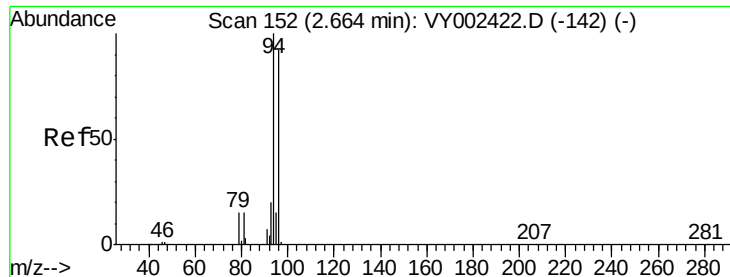
Tgt Ion: 62 Resp: 51956

Ion Ratio Lower Upper

62 100

64 30.0 24.1 36.1





#5

Bromomethane

Concen: 13.677 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

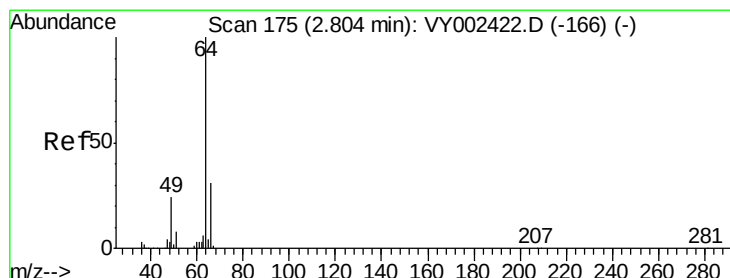
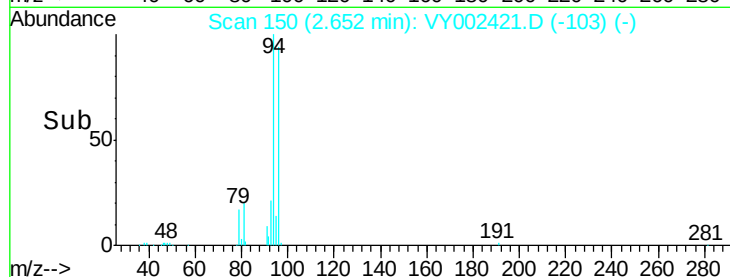
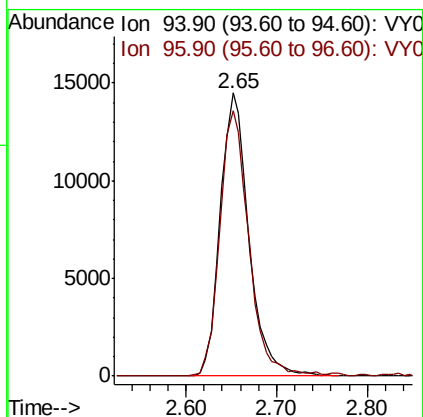
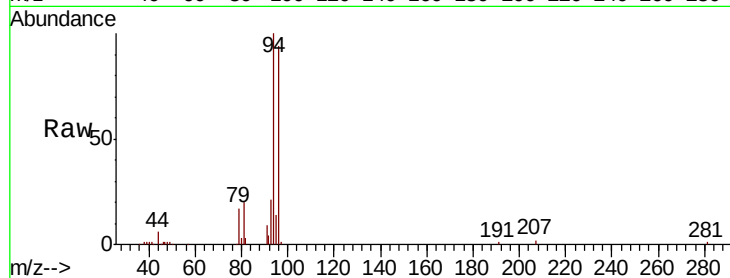
ClientSampleId :

Tot Ion: 94 Resp: 31938

Ion Ratio Lower Upper

94 100

96 93.6 73.5 110.3



#6

Chloroethane

Concen: 14.005 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY002421.D

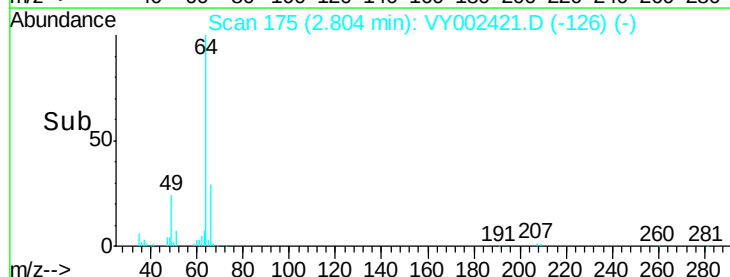
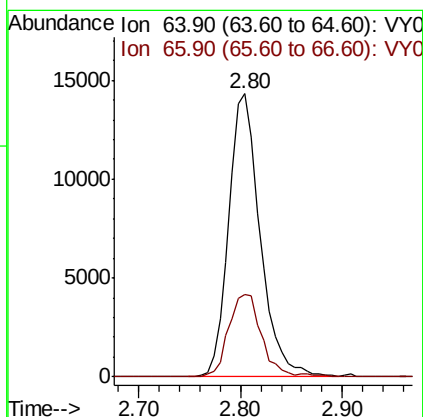
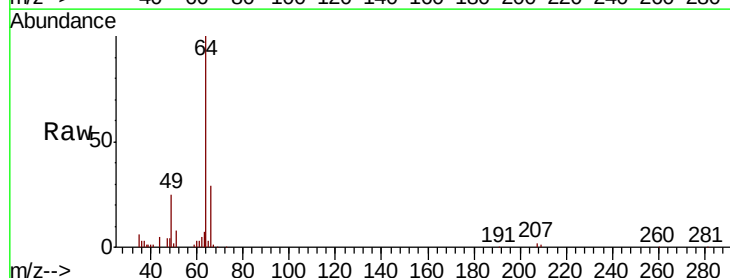
Acq: 20 Apr 2020 13:55

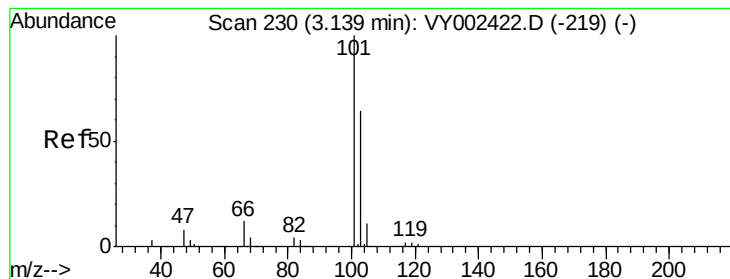
Tgt Ion: 64 Resp: 30502

Ion Ratio Lower Upper

64 100

66 29.1 25.0 37.6



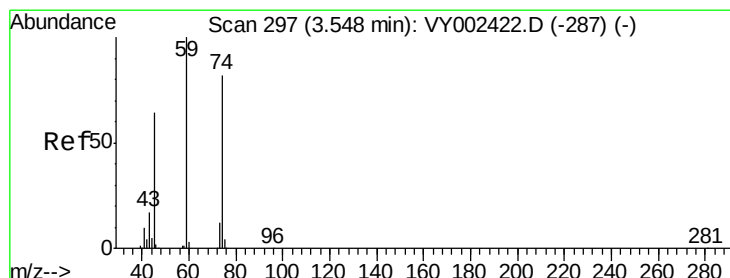
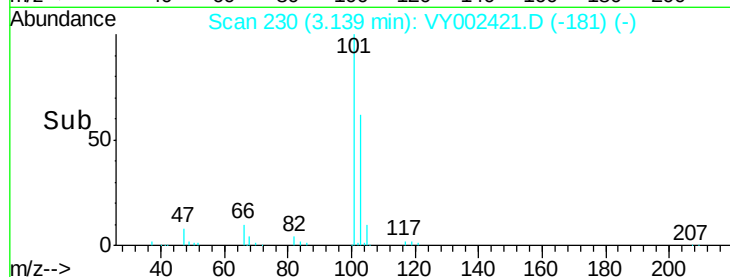
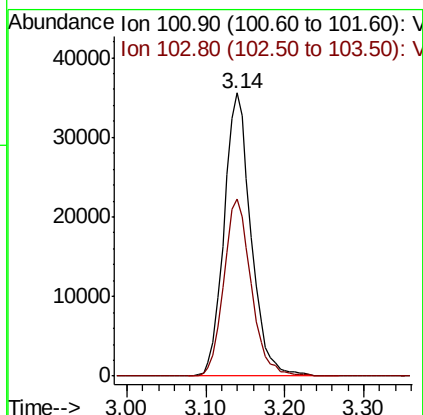
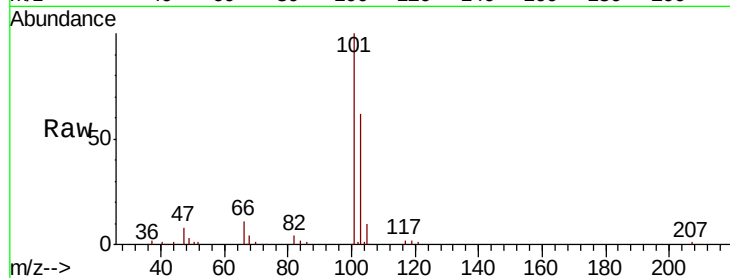


#7

Trichlorofluoromethane
 Concen: 16.921 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

Instrument :
 MSVOA_Y
 ClientSampleId :

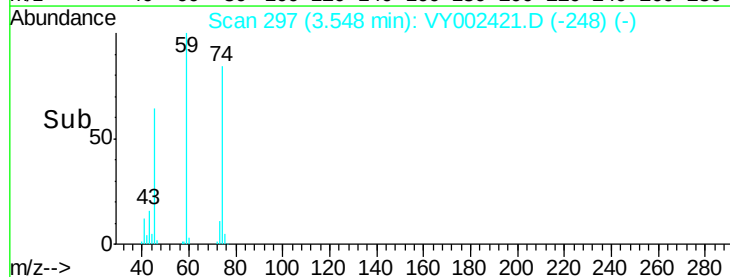
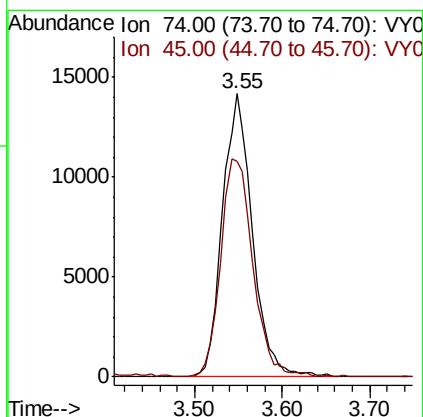
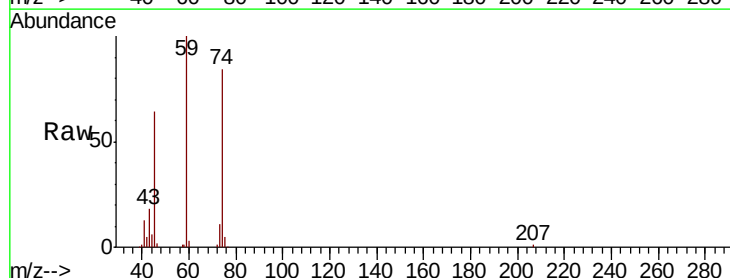
Tot Ion:101 Resp: 84394
 Ion Ratio Lower Upper
 101 100
 103 62.4 50.8 76.2

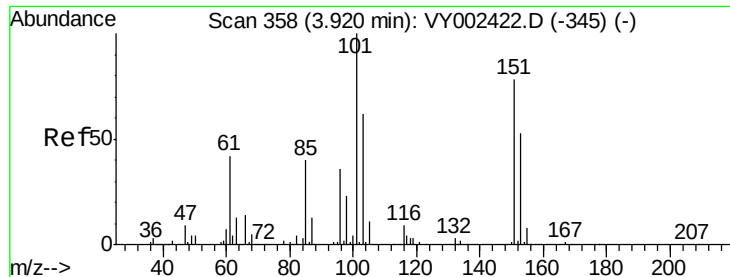


#8

Diethyl Ether
 Concen: 15.985 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. 0.00 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

Tgt Ion: 74 Resp: 33559
 Ion Ratio Lower Upper
 74 100
 45 83.0 39.5 118.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.316 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

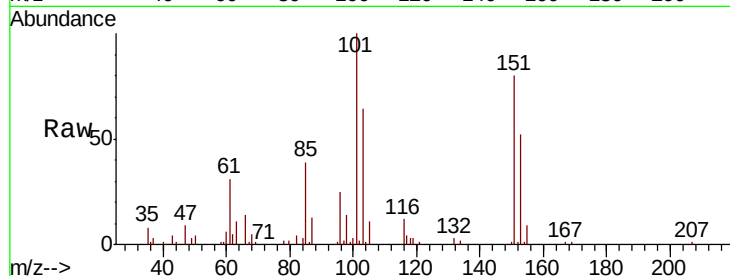
Tot Ion:101 Resp: 55055

Ion Ratio Lower Upper

101 100

85 40.8 32.2 48.4

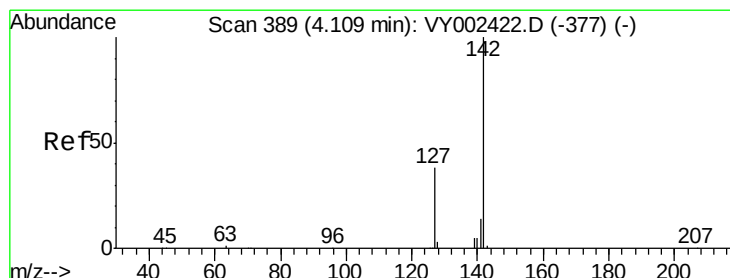
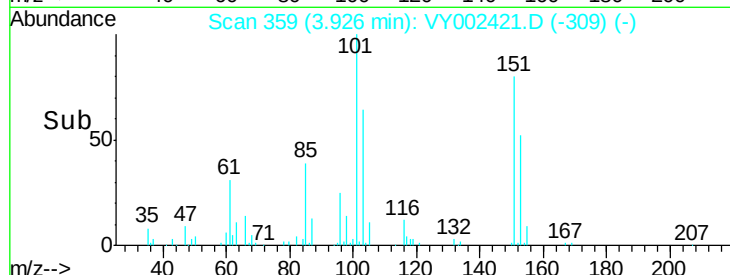
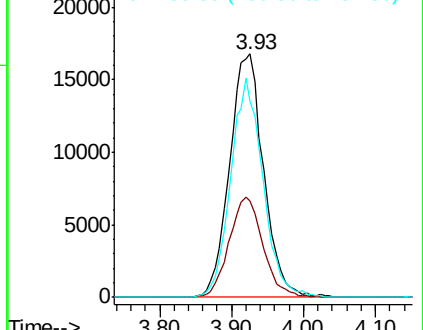
151 85.2 67.3 100.9



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: 17.680 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

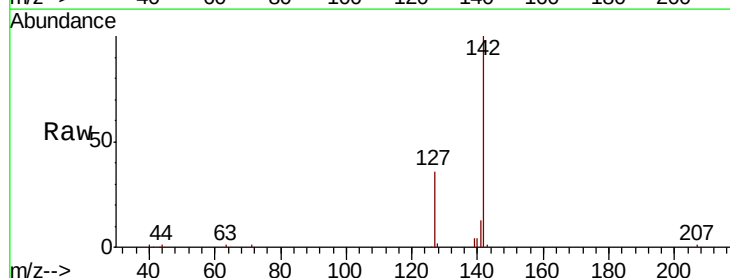
Tgt Ion:142 Resp: 71536

Ion Ratio Lower Upper

142 100

127 38.8 30.7 46.1

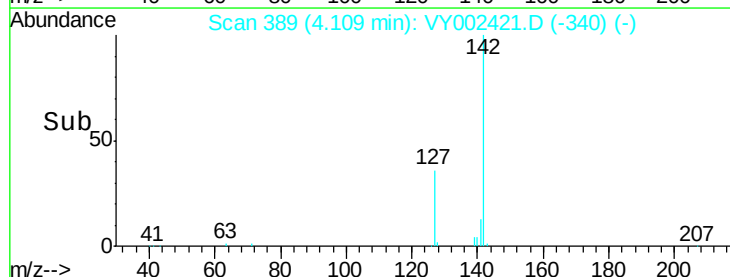
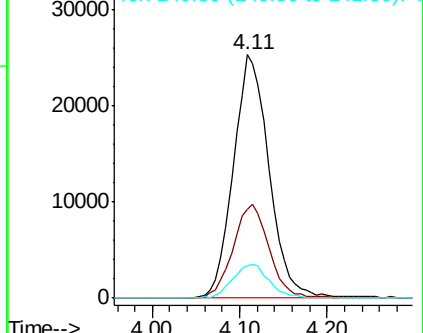
141 14.3 11.4 17.2

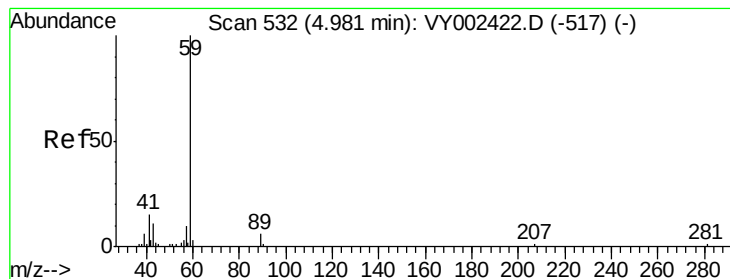


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



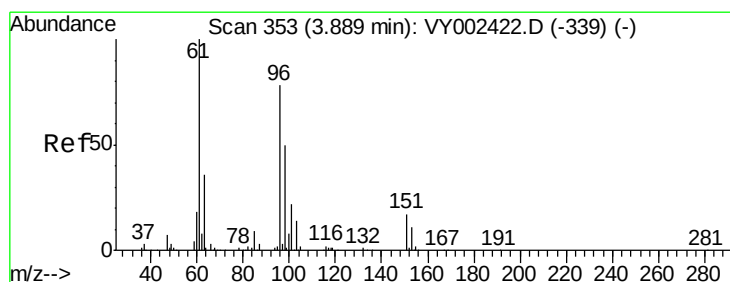
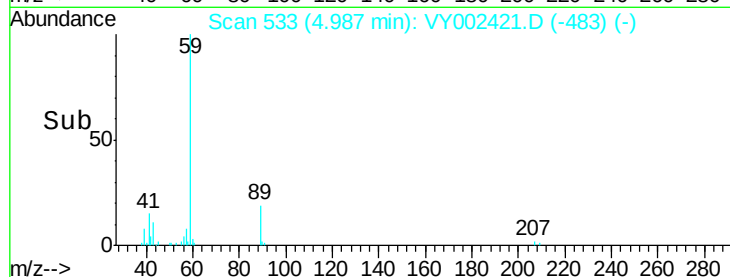
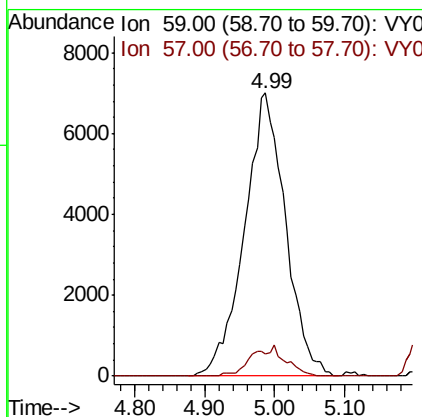
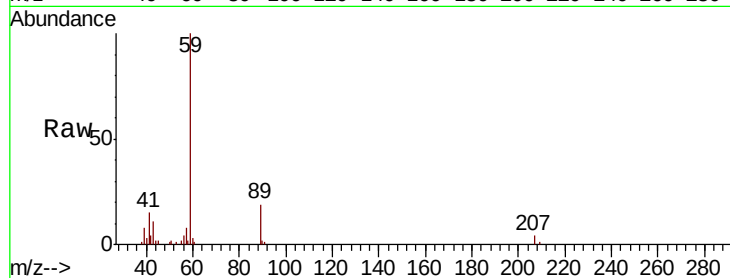


#11

Tert butyl alcohol
 Concen: 69.578 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

Instrument :
 MSVOA_Y
 ClientSampleId :

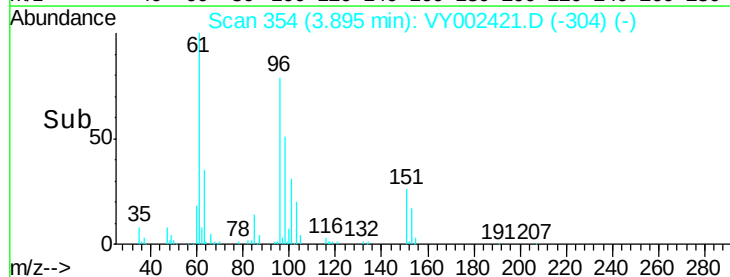
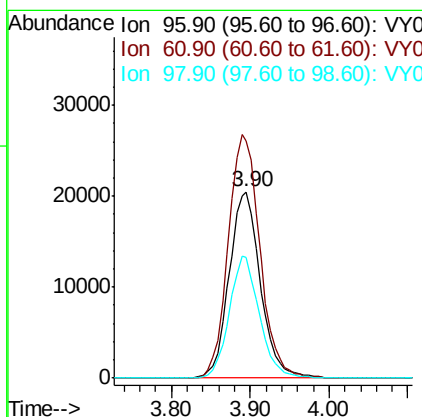
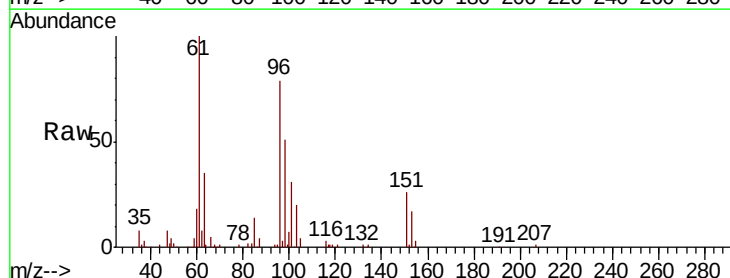
Tot Ion: 59 Resp: 28612
 Ion Ratio Lower Upper
 59 100
 57 4.5 7.4 11.2#

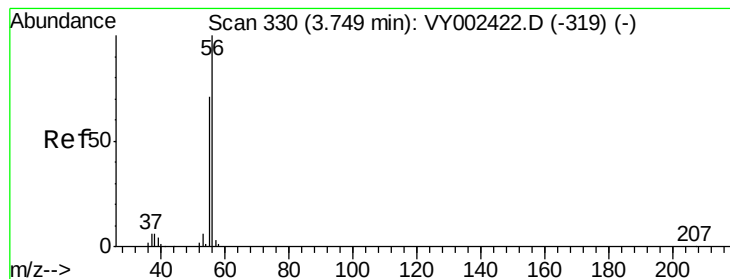


#12

1,1-Dichloroethene
 Concen: 16.387 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

Tgt Ion: 96 Resp: 56402
 Ion Ratio Lower Upper
 96 100
 61 127.3 102.1 153.1
 98 64.7 51.3 76.9





#13

Acrolein

Concen: 57.509 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

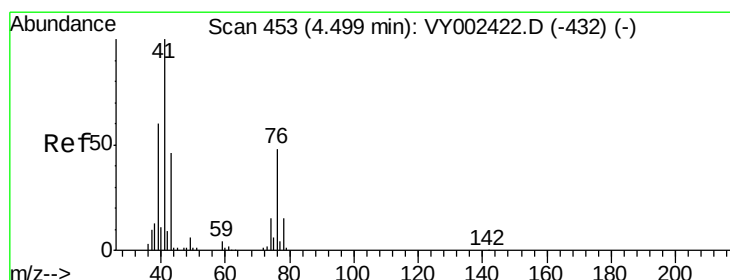
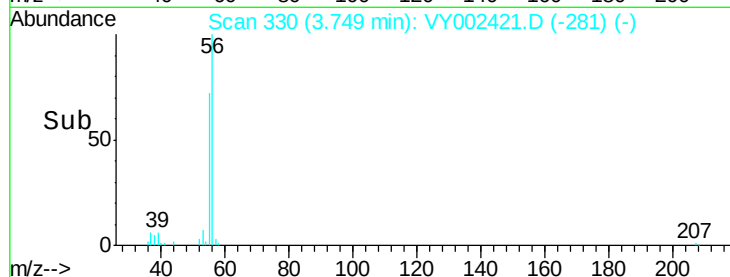
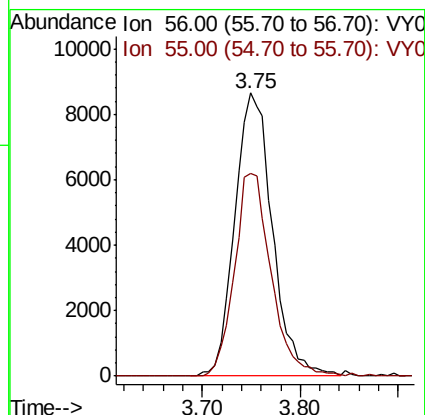
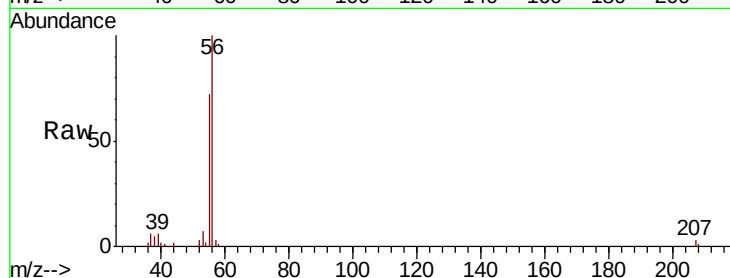
ClientSampleId :

Tot Ion: 56 Resp: 23053

Ion Ratio Lower Upper

56 100

55 69.9 55.9 83.9



#14

Allyl chloride

Concen: 13.566 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

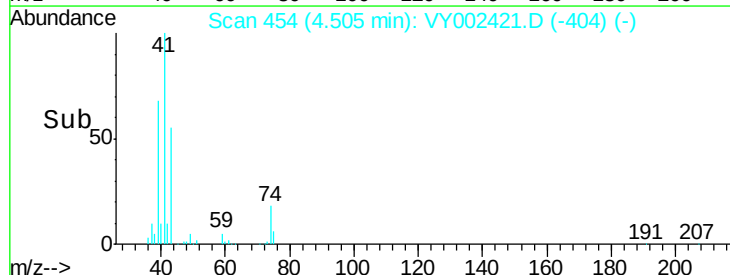
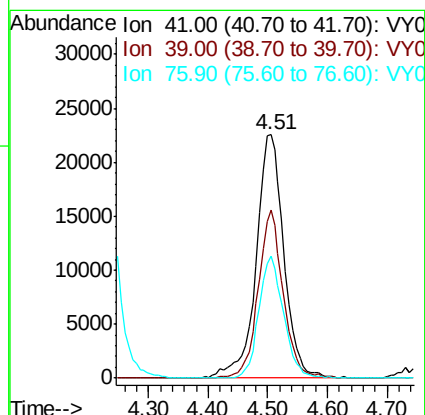
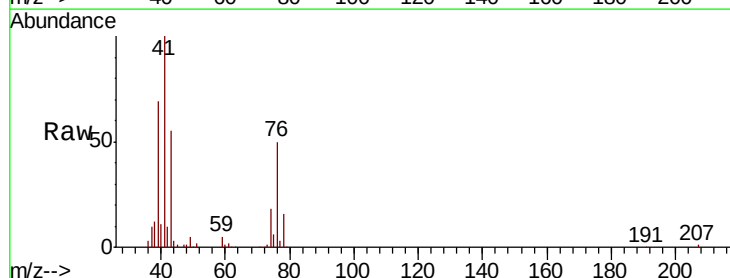
Tgt Ion: 41 Resp: 72589

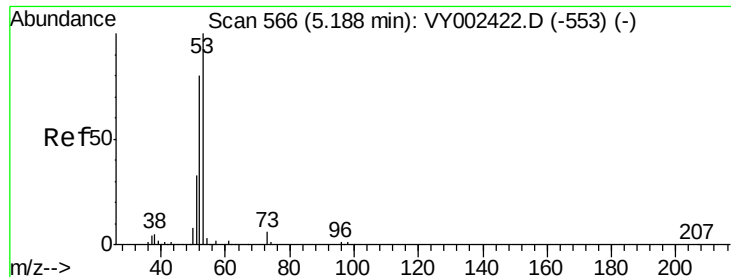
Ion Ratio Lower Upper

41 100

39 62.4 49.1 73.7

76 44.9 38.6 57.8





#15

Acrylonitrile

Concen: 73.460 ug/l

RT: 5.19 min Scan# 567

Delta R.T. 0.01 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

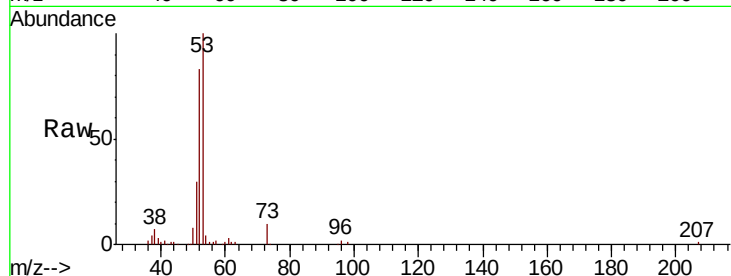
Tot Ion: 53 Resp: 77767

Ion Ratio Lower Upper

53 100

52 81.6 65.1 97.7

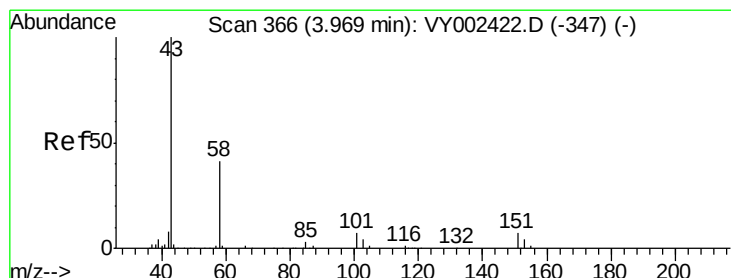
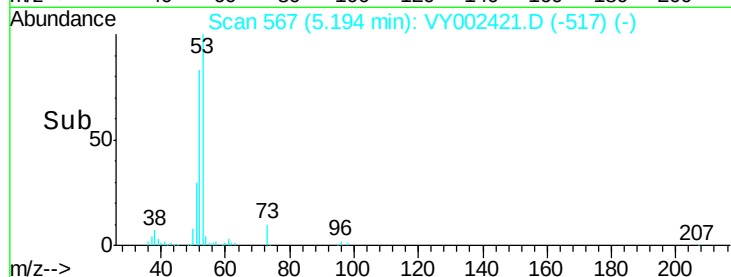
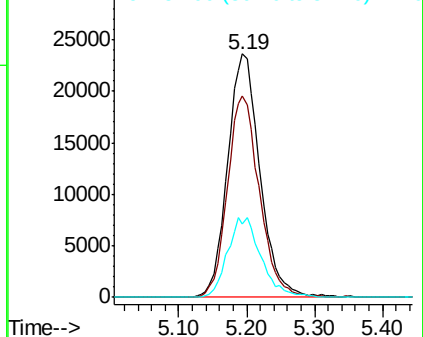
51 34.1 26.8 40.2



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: 70.278 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002421.D

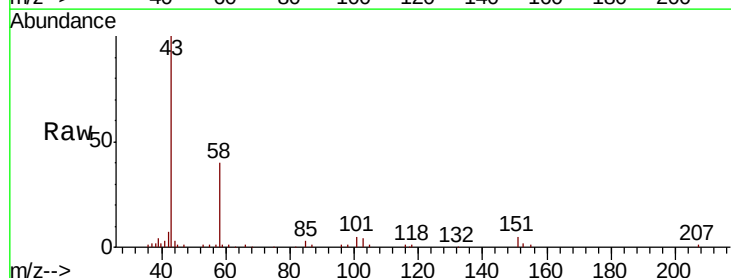
Acq: 20 Apr 2020 13:55

Tgt Ion: 43 Resp: 57298

Ion Ratio Lower Upper

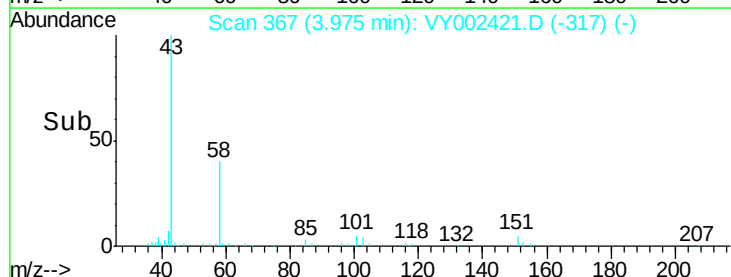
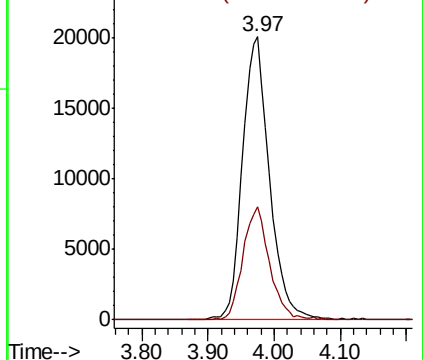
43 100

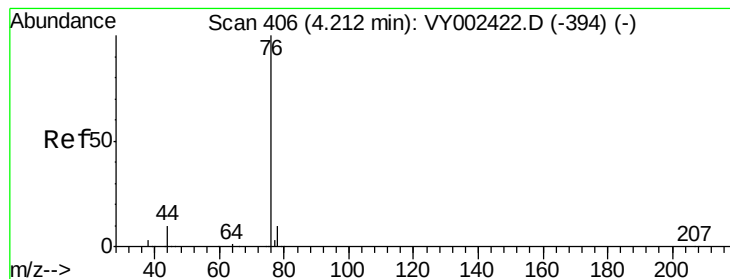
58 39.9 32.6 48.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 14.861 ug/l

RT: 4.21 min Scan# 406

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

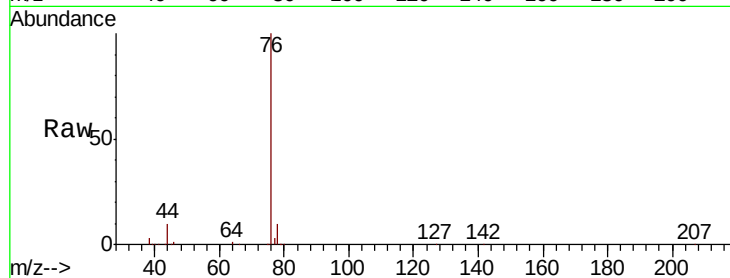
ClientSampleId :

Tot Ion: 76 Resp: 167958

Ion Ratio Lower Upper

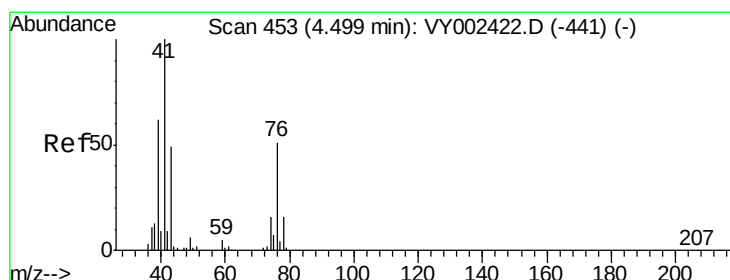
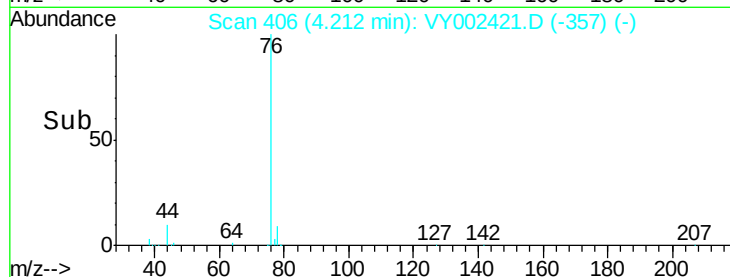
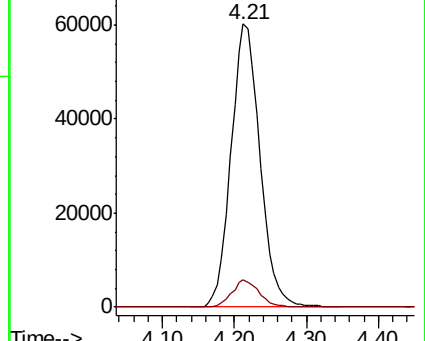
76 100

78 9.8 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 14.473 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002421.D

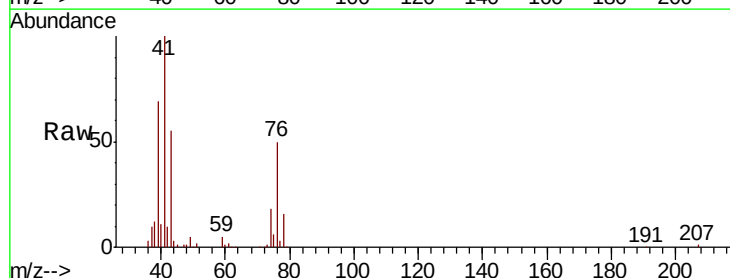
Acq: 20 Apr 2020 13:55

Tgt Ion: 43 Resp: 36202

Ion Ratio Lower Upper

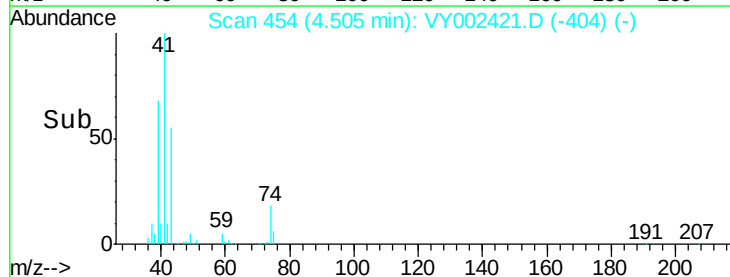
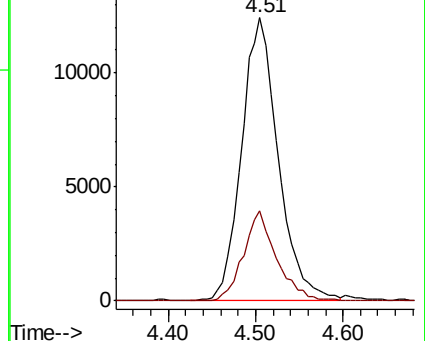
43 100

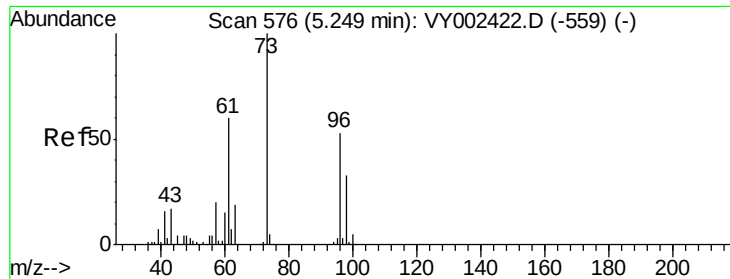
74 28.4 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

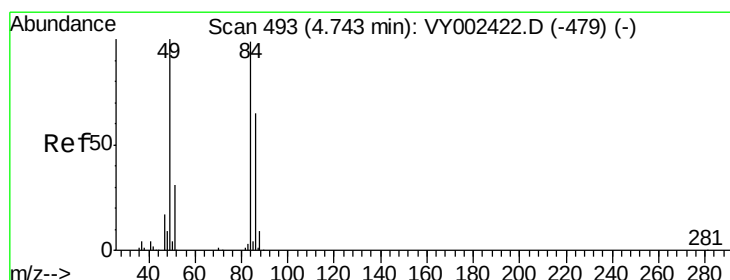
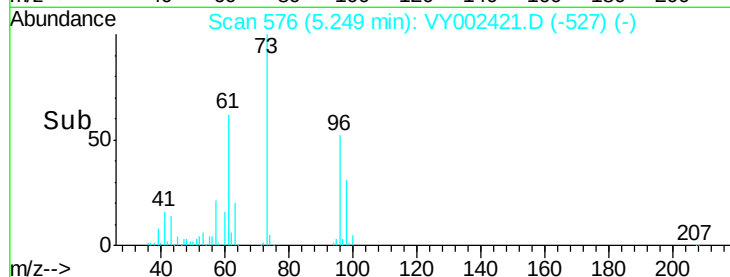
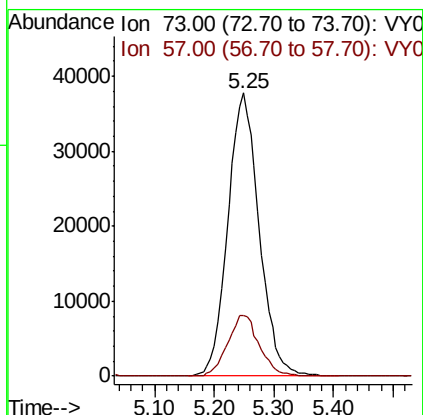
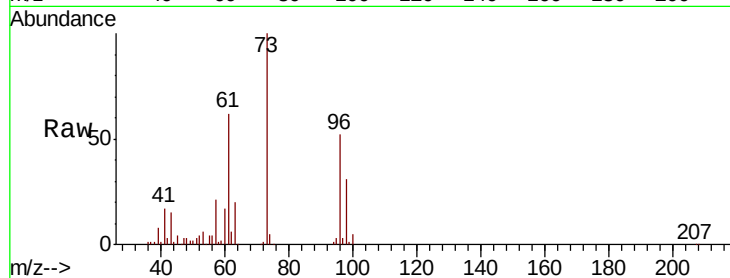




#19
Methyl tert-butyl Ether
Concen: 15.518 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

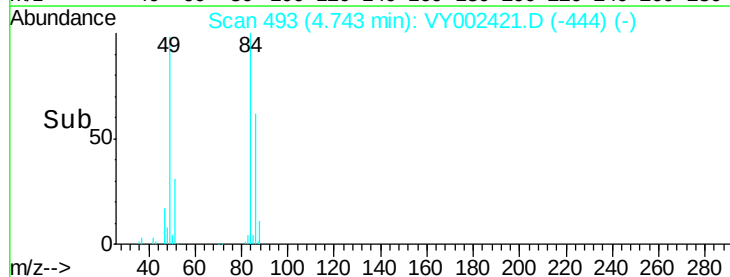
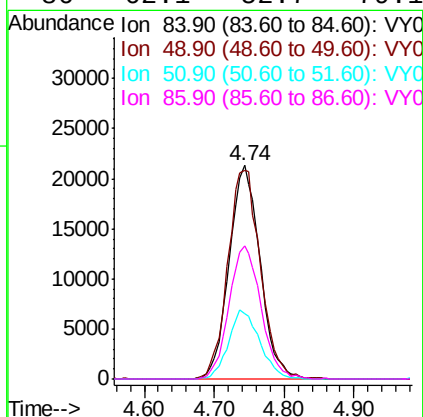
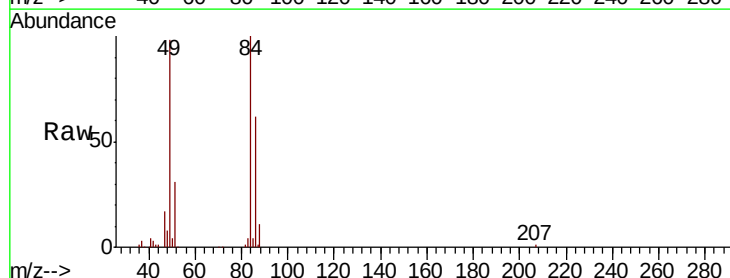
Instrument :
MSVOA_Y
ClientSampled :

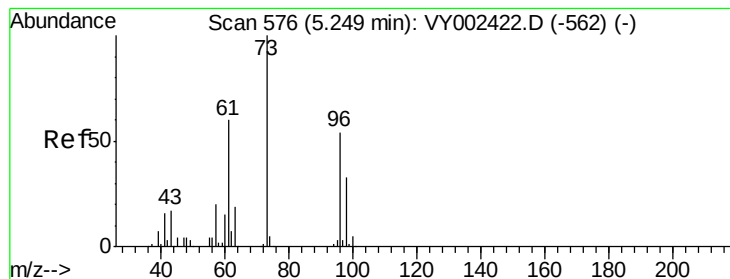
Tot Ion: 73 Resp: 137945
Ion Ratio Lower Upper
73 100
57 21.3 16.3 24.5



#20
Methylene Chloride
Concen: 16.074 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

Tgt Ion: 84 Resp: 65693
Ion Ratio Lower Upper
84 100
49 97.8 81.0 121.6
51 30.8 24.9 37.3
86 62.1 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 15.984 ug/l

RT: 5.25 min Scan# 576

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

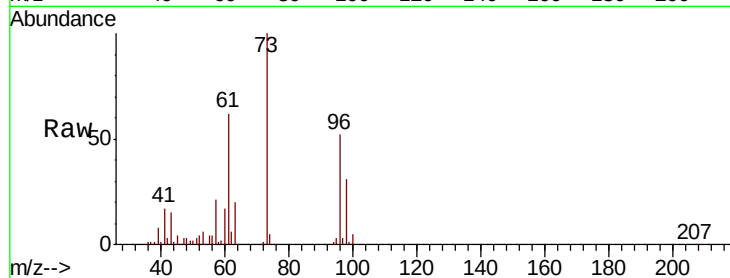
Tot Ion: 96 Resp: 61420

Ion Ratio Lower Upper

96 100

61 118.4 89.7 134.5

98 59.4 49.7 74.5

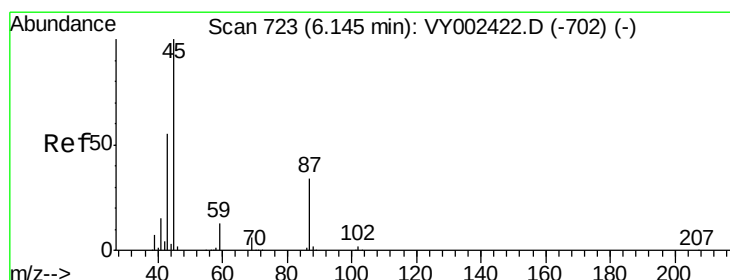
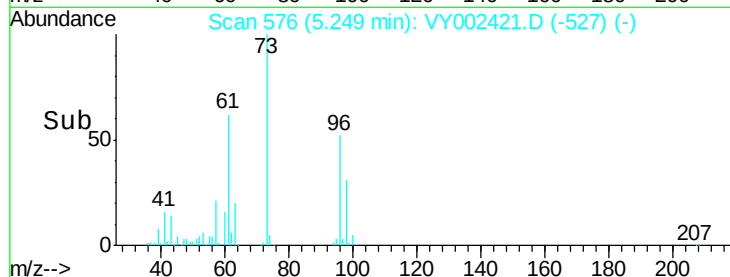
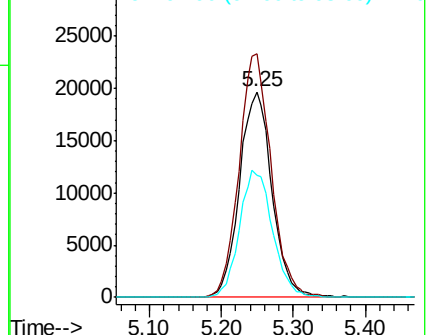


Abundance

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: 13.998 ug/l

RT: 6.14 min Scan# 723

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Tgt Ion: 45 Resp: 150383

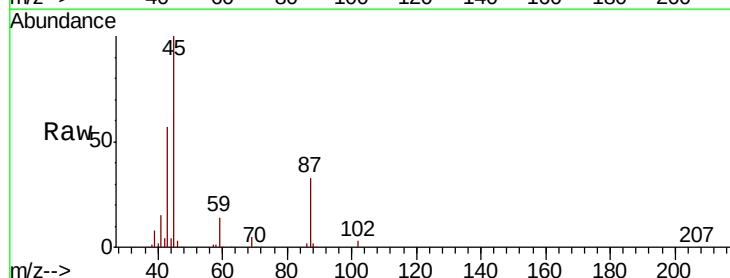
Ion Ratio Lower Upper

45 100

43 56.1 43.8 65.6

87 32.7 27.4 41.2

59 13.7 10.8 16.2



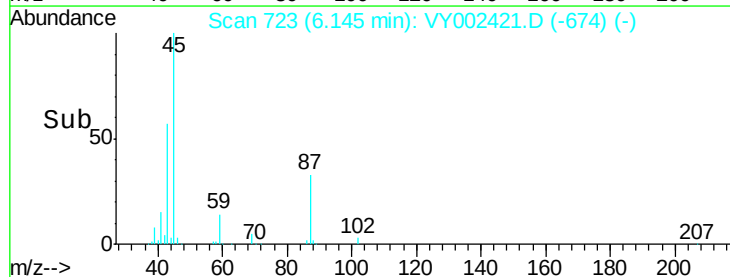
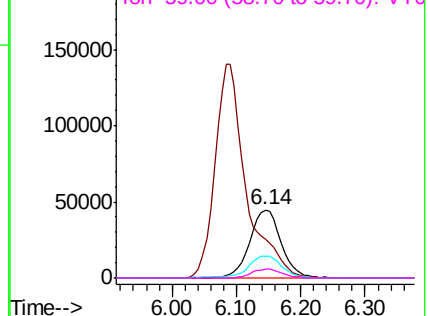
Abundance

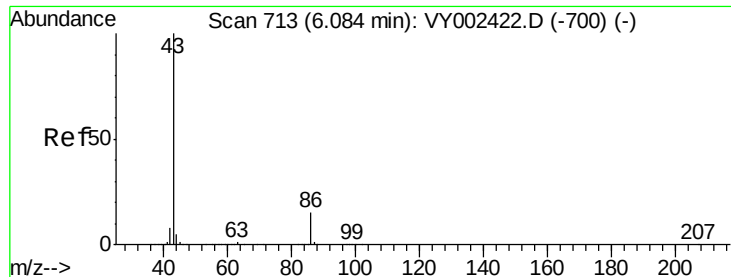
Ion 45.00 (44.70 to 45.70): VY0

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: 69.049 ug/l

RT: 6.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

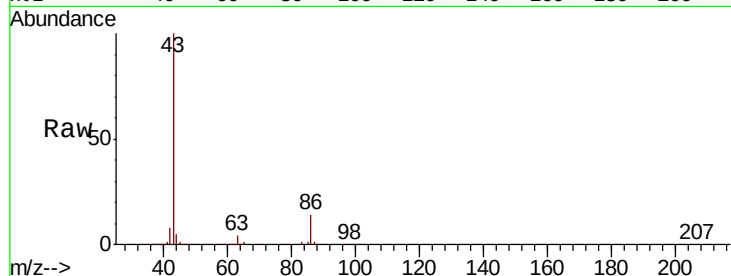
ClientSampleId :

Tot Ion: 43 Resp: 474087

Ion Ratio Lower Upper

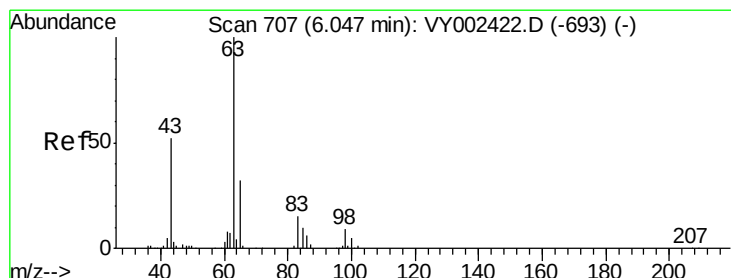
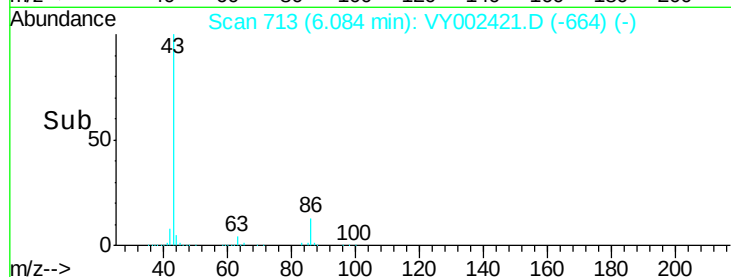
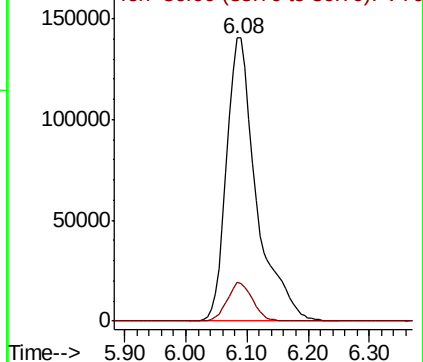
43 100

86 13.6 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 14.531 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

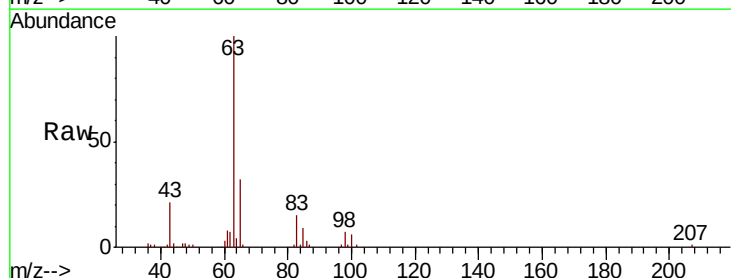
Tgt Ion: 63 Resp: 90253

Ion Ratio Lower Upper

63 100

98 7.0 4.5 13.4

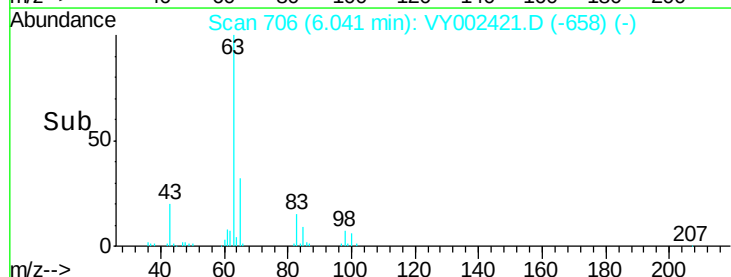
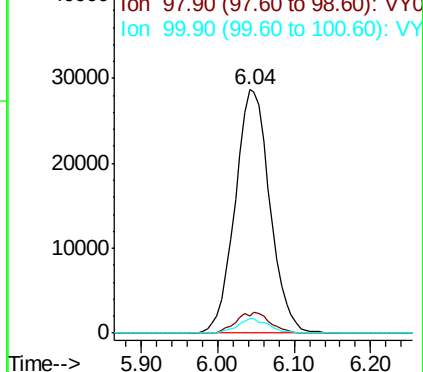
100 5.9 2.6 8.0

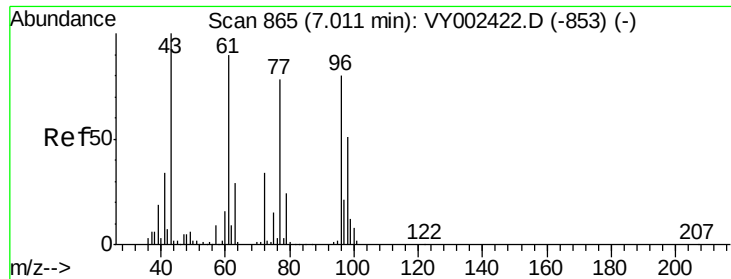


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

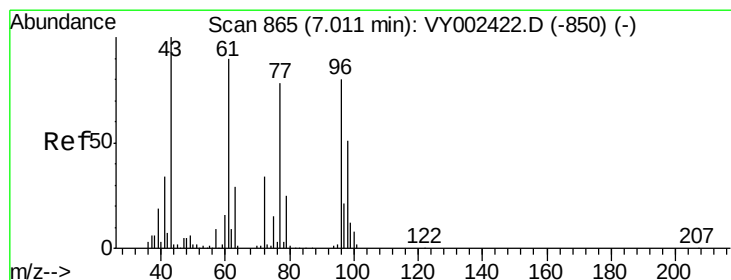
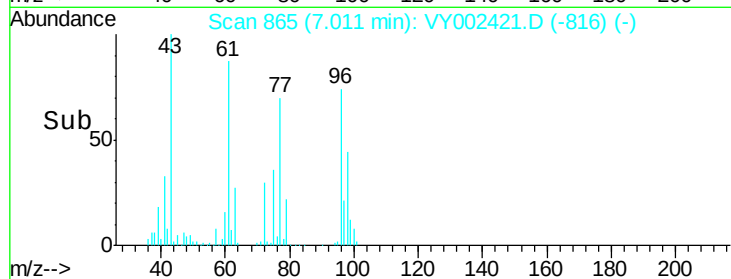
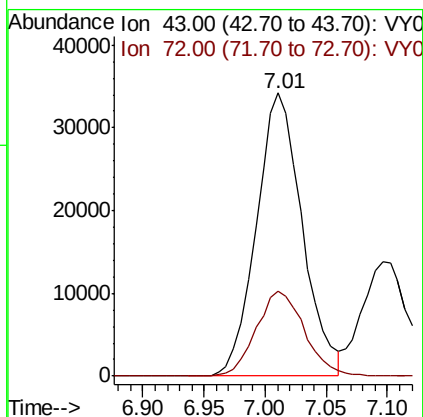
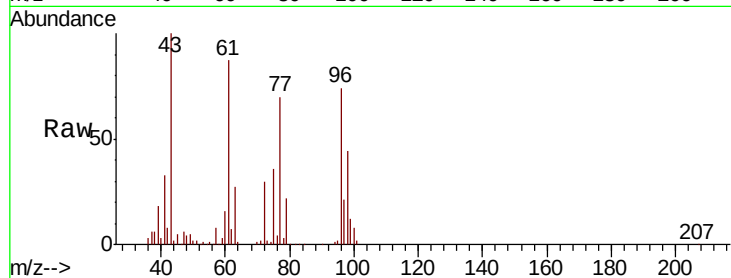




#25
2-Butanone
Concen: 69.694 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

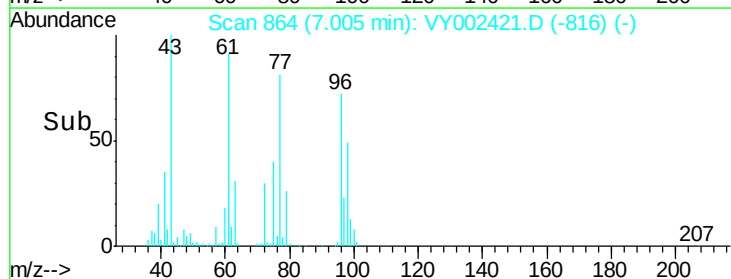
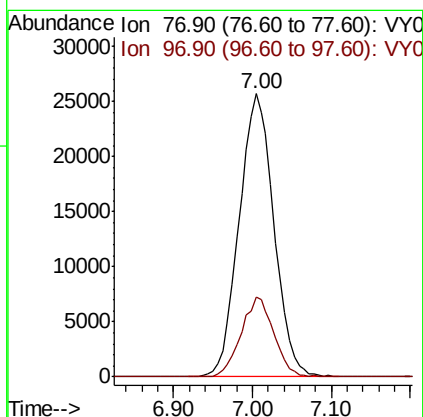
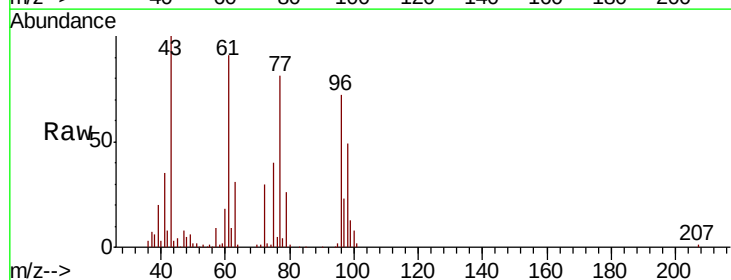
Instrument :
MSVOA_Y
ClientSampleId :

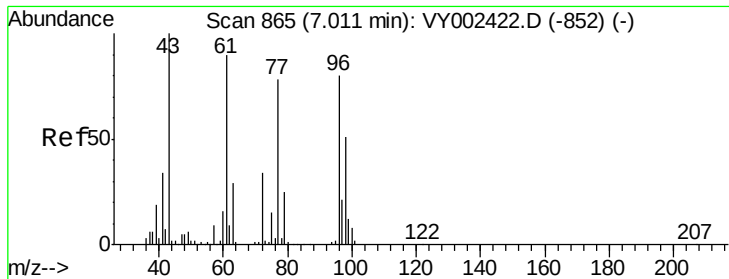
Tot Ion: 43 Resp: 89134
Ion Ratio Lower Upper
43 100
72 30.2 27.0 40.6



#26
2,2-Dichloropropane
Concen: 14.977 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

Tgt Ion: 77 Resp: 78545
Ion Ratio Lower Upper
77 100
97 26.5 13.5 40.5



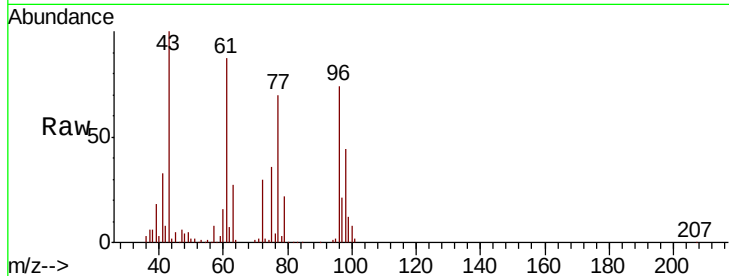


#27

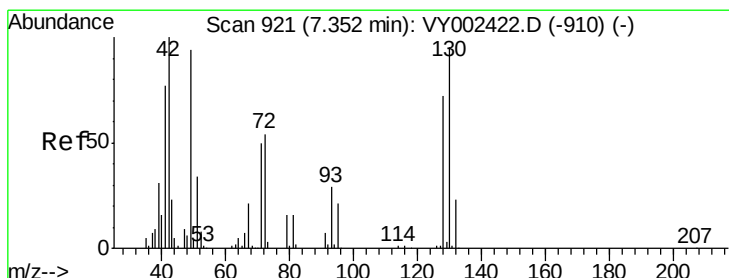
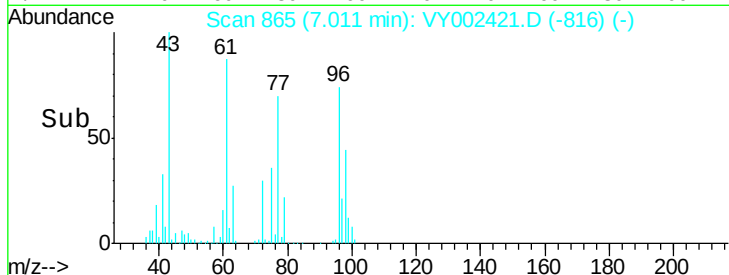
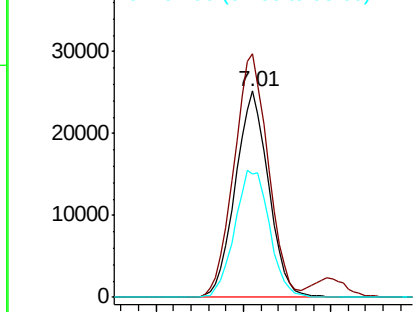
cis-1,2-Dichloroethene
Concen: 15.909 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 96 Resp: 66522
Ion Ratio Lower Upper
96 100
61 121.7 0.0 236.2
98 64.6 0.0 130.2



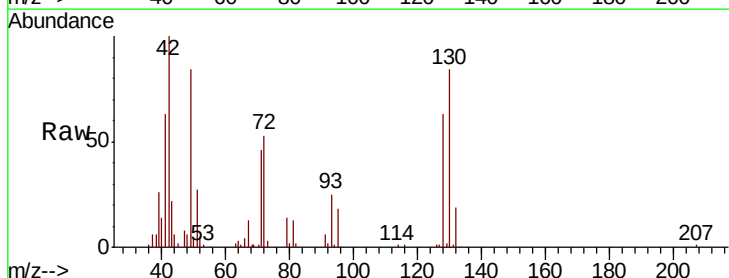
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



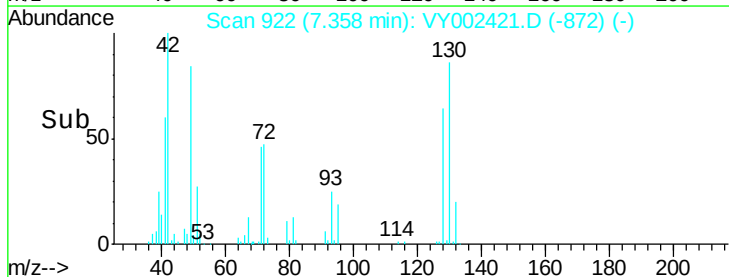
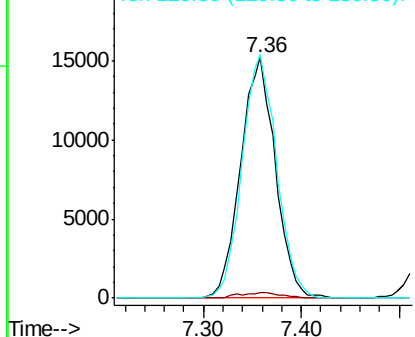
#28

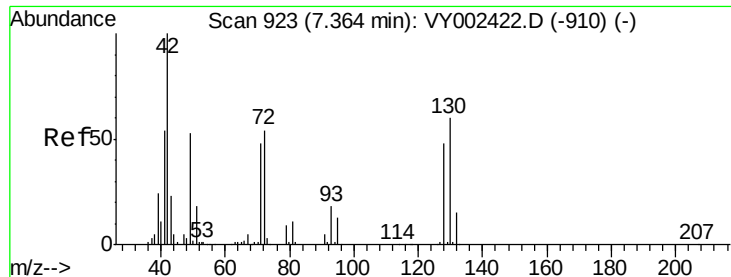
Bromochloromethane
Concen: 14.272 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

Tgt Ion: 49 Resp: 37470
Ion Ratio Lower Upper
49 100
129 2.5 0.0 6.0
130 100.6 84.1 126.1



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

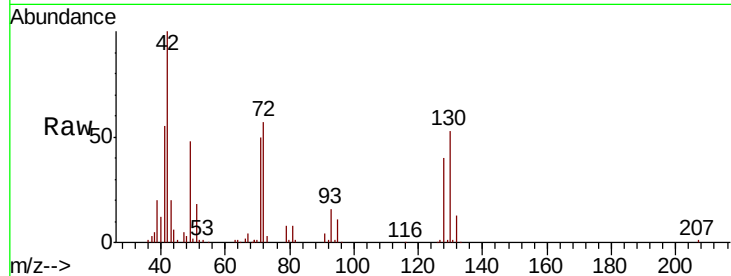




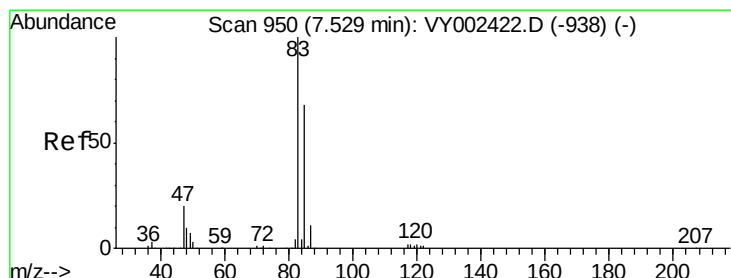
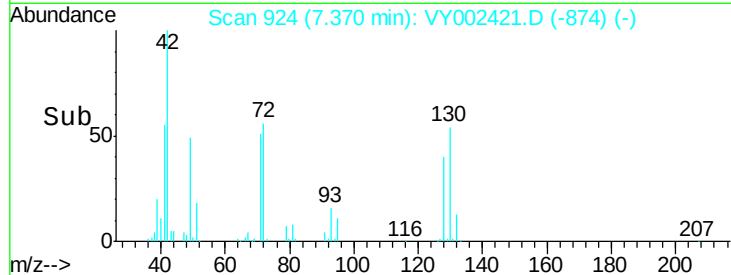
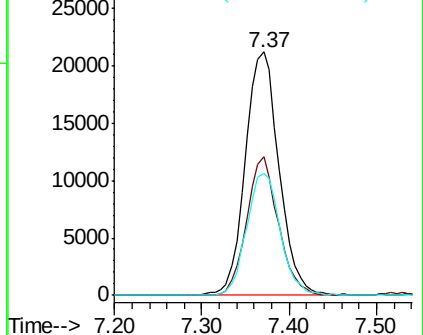
#29
Tetrahydrofuran
Concen: 67.699 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 42 Resp: 57065
Ion Ratio Lower Upper
42 100
72 53.1 44.6 67.0
71 49.7 40.6 60.8

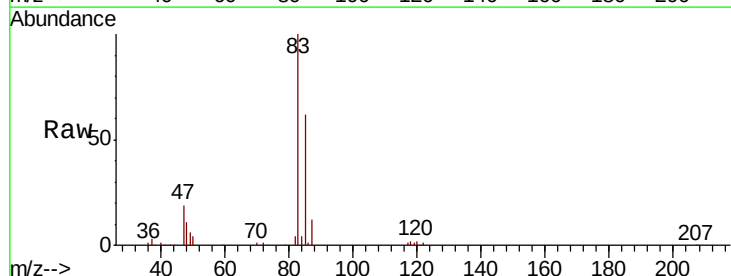


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

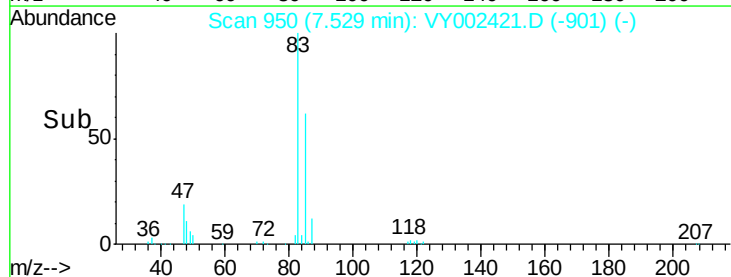
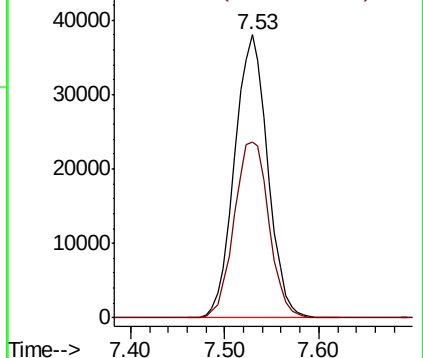


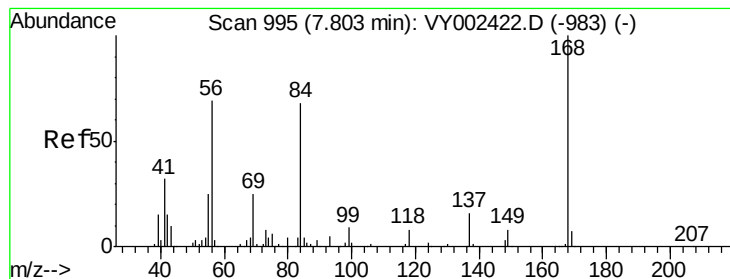
#30
Chloroform
Concen: 15.749 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

Tgt Ion: 83 Resp: 93144
Ion Ratio Lower Upper
83 100
85 62.3 54.3 81.5



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





#31

Cyclohexane

Concen: 14.001 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

ClientSampled :

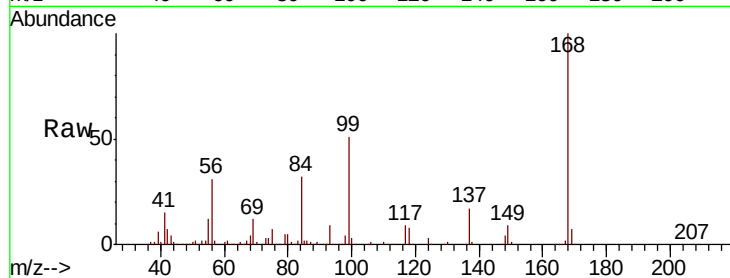
Tot Ion: 56 Resp: 90736

Ion Ratio Lower Upper

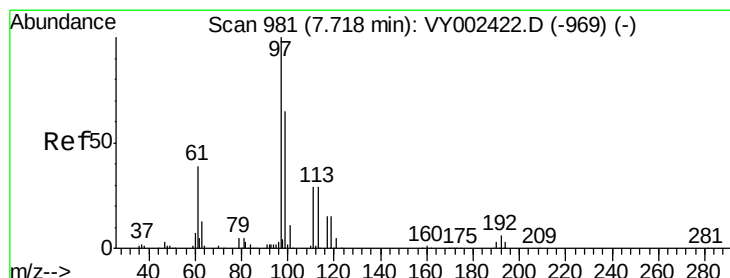
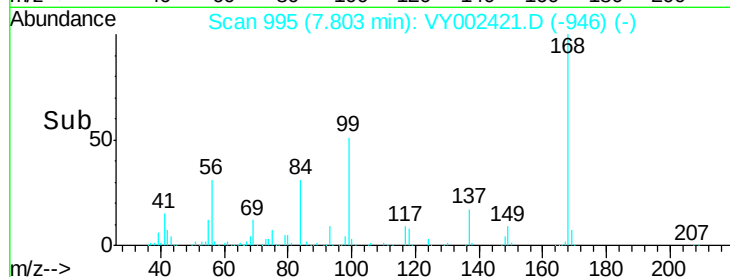
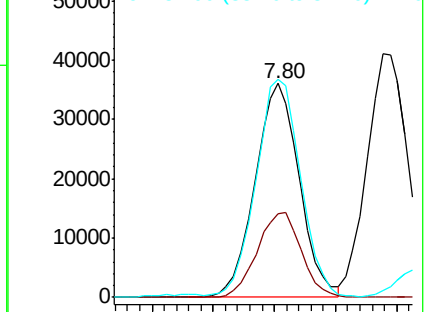
56 100

69 38.9 29.1 43.7

84 100.8 79.4 119.2



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: 16.527 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.01 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

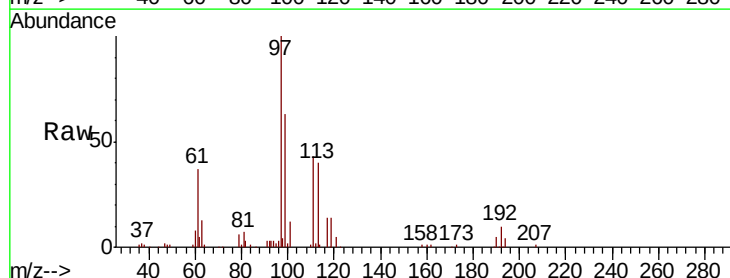
Tgt Ion: 97 Resp: 81754

Ion Ratio Lower Upper

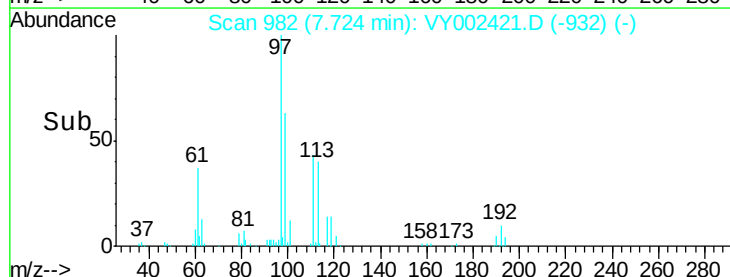
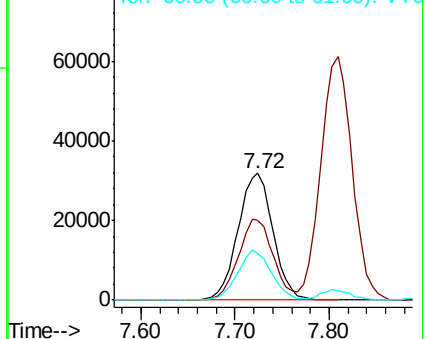
97 100

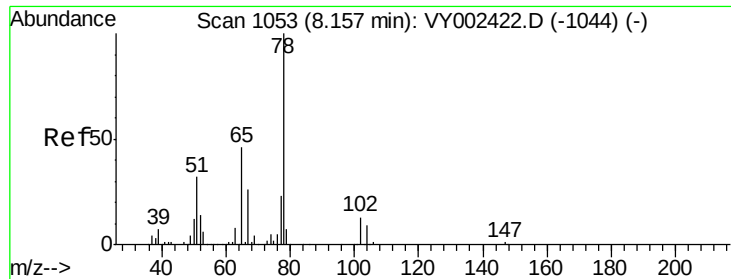
99 64.1 51.9 77.9

61 38.4 30.8 46.2



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

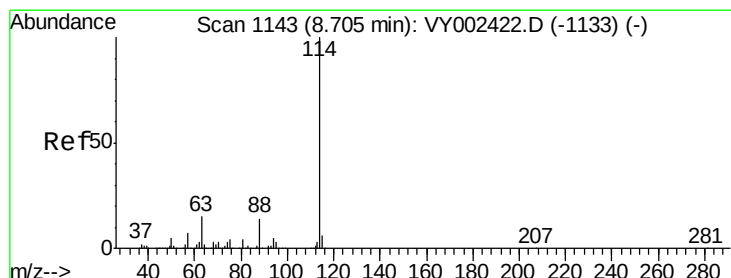
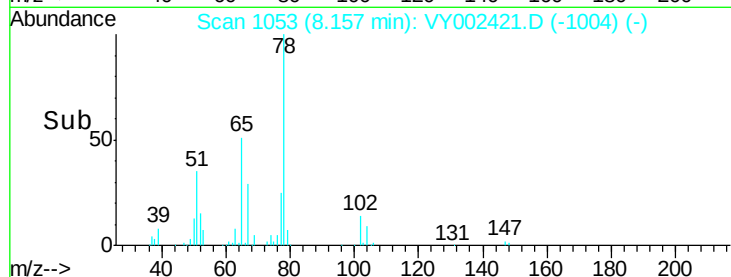
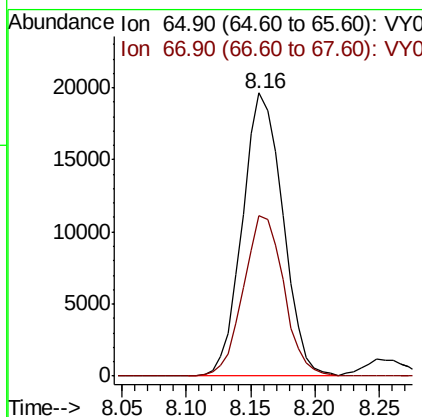
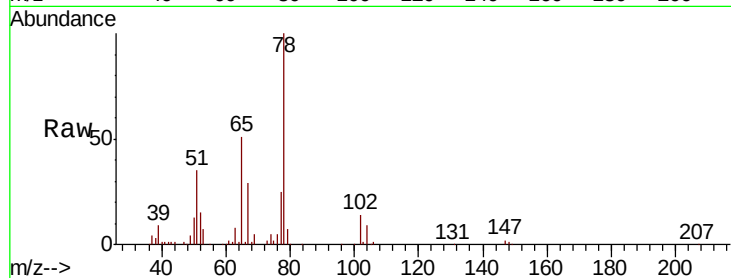




#33
 1,2-Dichloroethane-d4
 Concen: 13.887 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

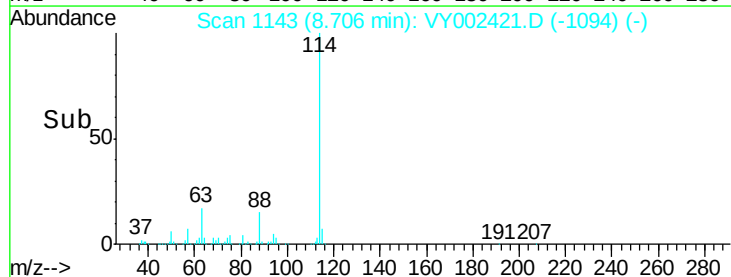
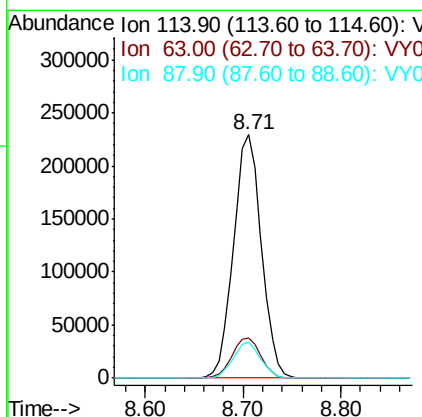
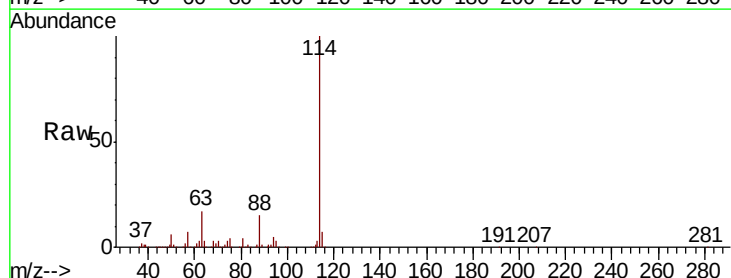
Instrument :
 MSVOA_Y
 ClientSampled :

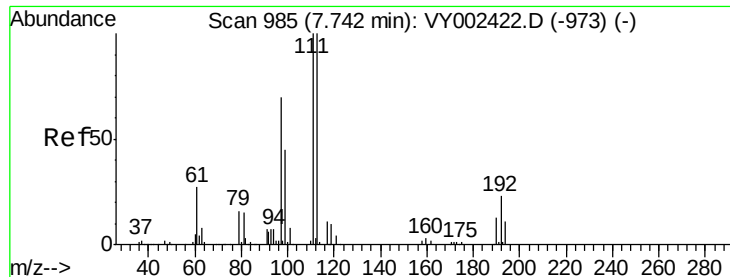
Tot Ion: 65 Resp: 42777
 Ion Ratio Lower Upper
 65 100
 67 56.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

Tgt Ion: 114 Resp: 453292
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 31.0
 88 14.7 0.0 28.2





#35

Dibromofluoromethane

Concen: 17.738 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :
MSVOA_Y
ClientSampled :

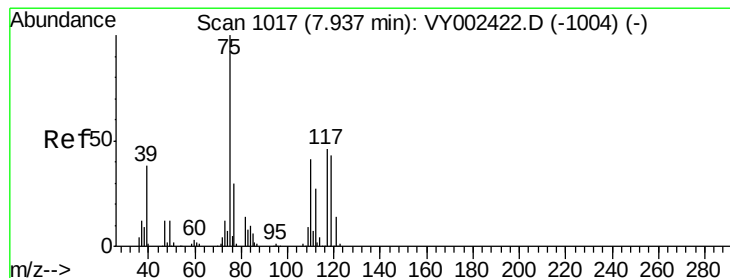
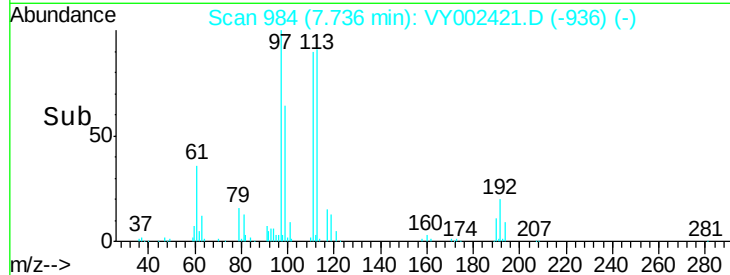
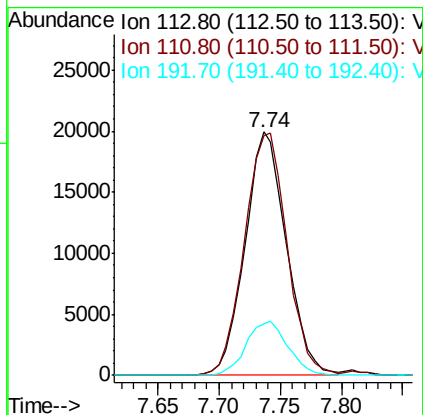
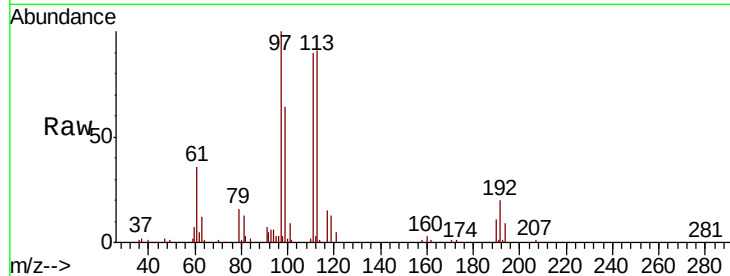
Tot Ion:113 Resp: 46934

Ion Ratio Lower Upper

113 100

111 102.2 81.7 122.5

192 22.3 17.8 26.6



#36

1,1-Dichloropropene

Concen: 17.172 ug/l

RT: 7.94 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

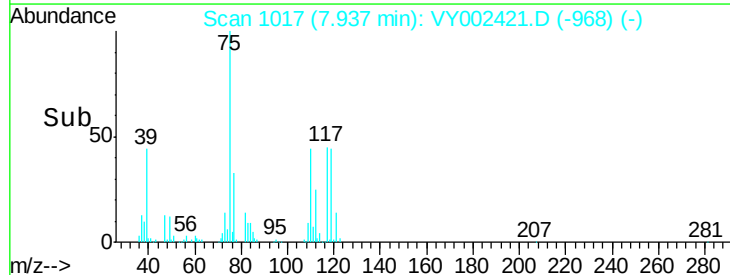
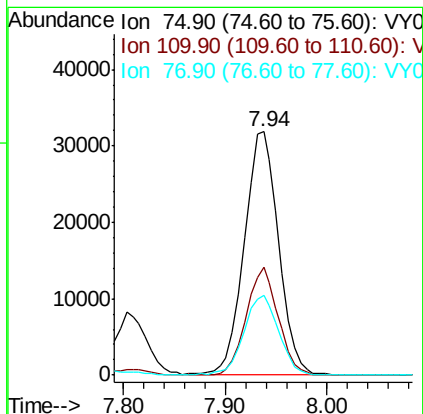
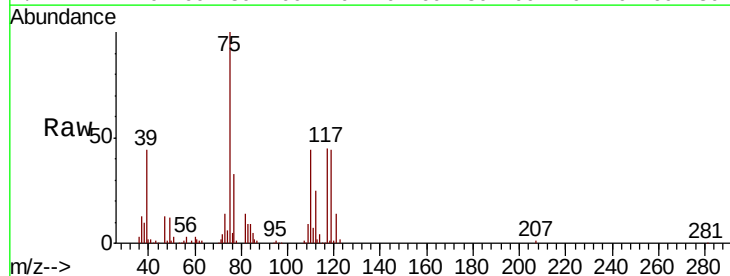
Tgt Ion: 75 Resp: 74609

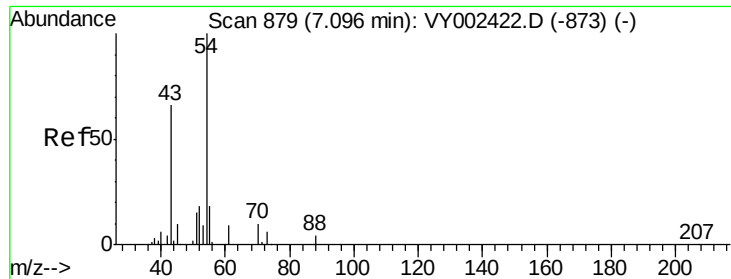
Ion Ratio Lower Upper

75 100

110 41.4 20.4 61.2

77 33.1 25.5 38.3

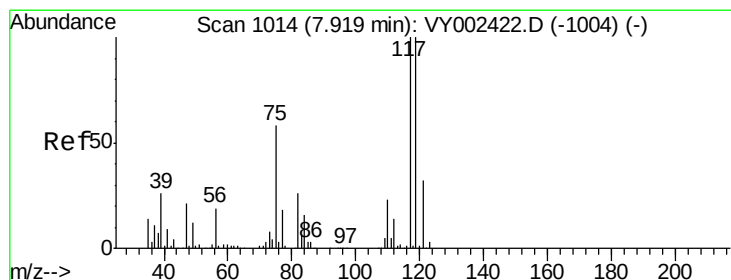
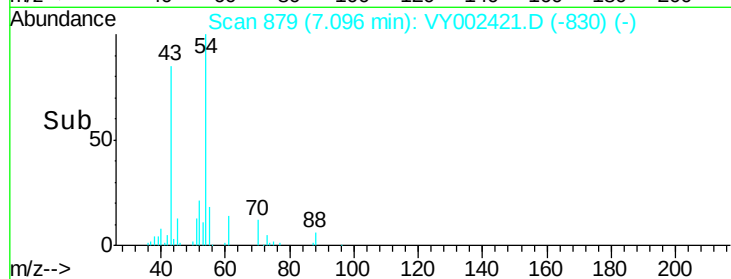
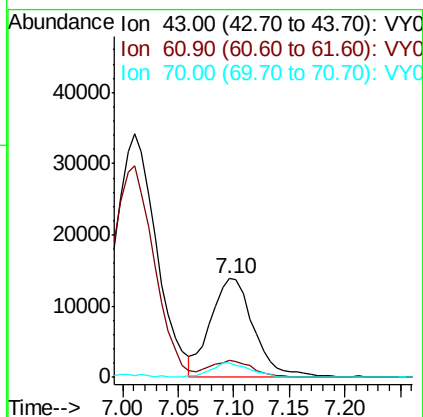
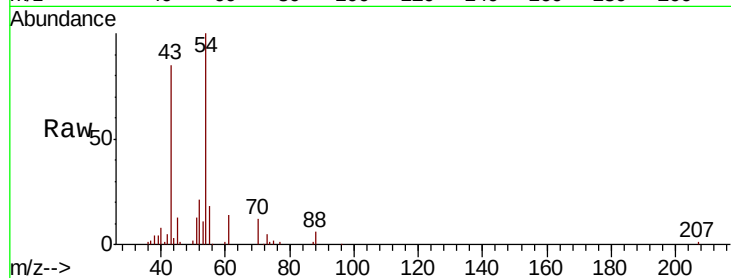




#37
Ethyl Acetate
Concen: 15.235 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

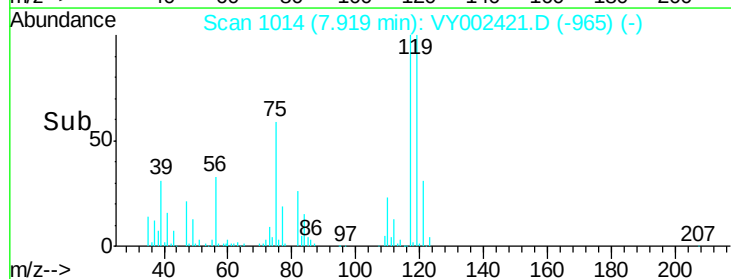
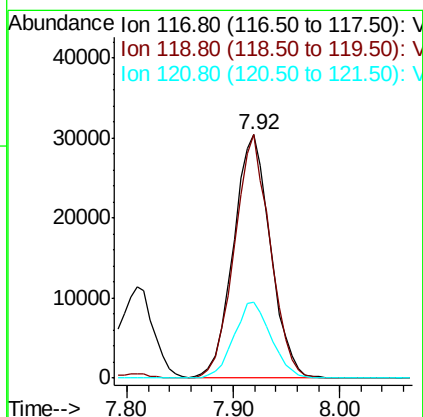
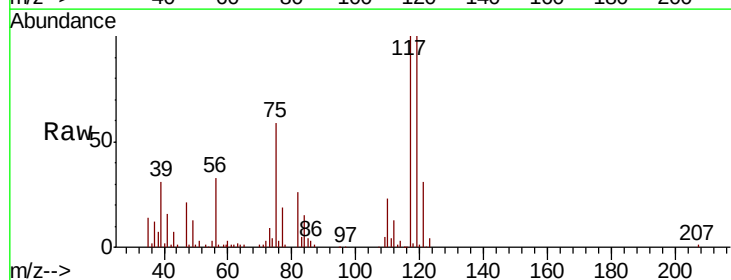
Instrument :
MSVOA_Y
ClientSampled :

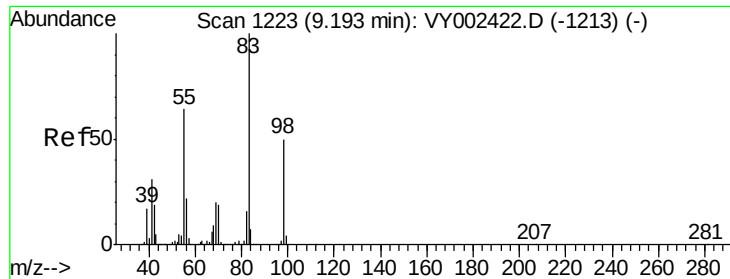
Tot Ion: 43 Resp: 37088
Ion Ratio Lower Upper
43 100
61 17.0 13.5 20.3
70 13.4 10.6 16.0



#38
Carbon Tetrachloride
Concen: 19.467 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

Tgt Ion: 117 Resp: 74309
Ion Ratio Lower Upper
117 100
119 100.0 79.6 119.4
121 31.4 25.4 38.2

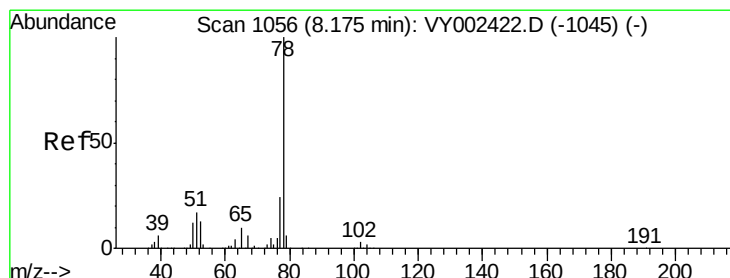
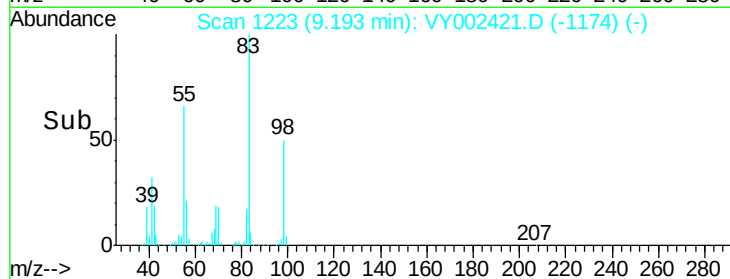
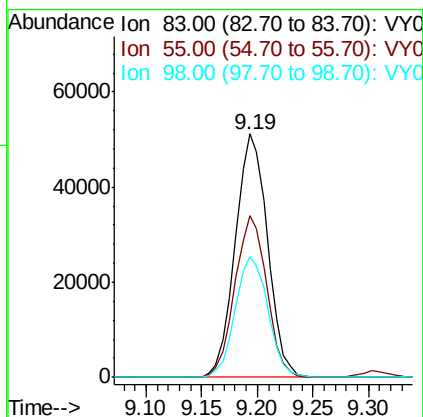
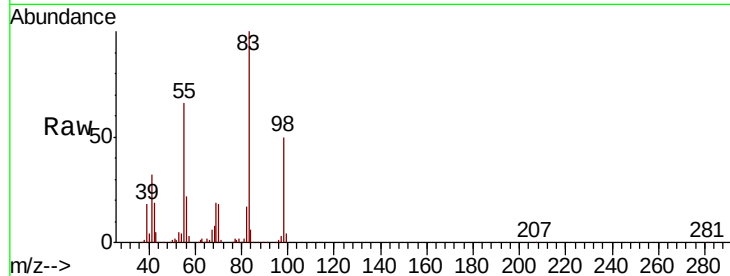




#39
Methylvlcyclohexane
Concen: 17.335 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

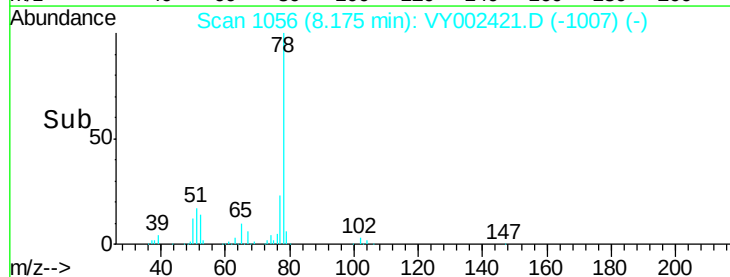
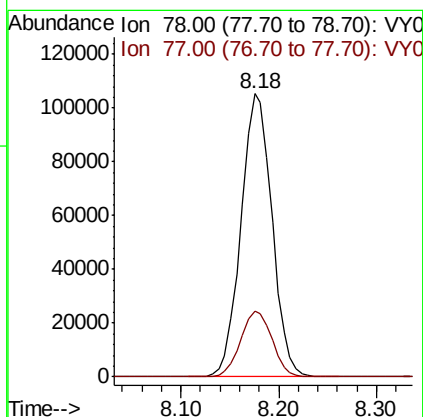
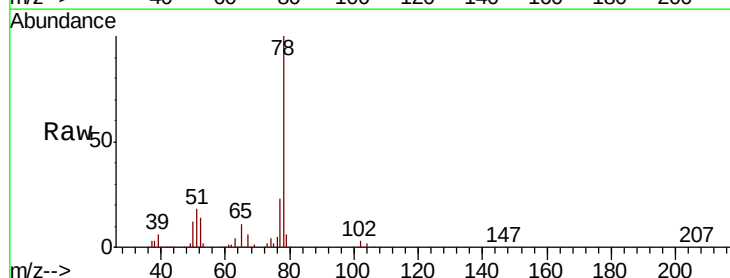
Instrument :
MSVOA_Y
ClientSampleId :

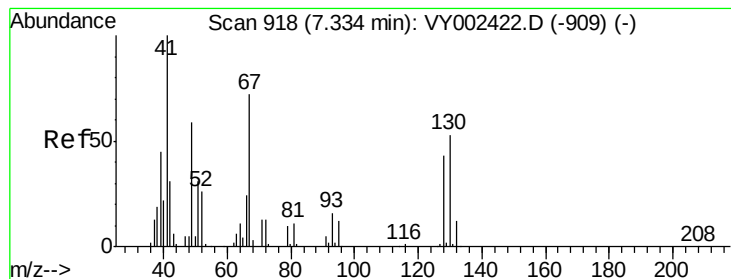
Tot Ion: 83 Resp: 102745
Ion Ratio Lower Upper
83 100
55 66.3 51.2 76.8
98 49.6 39.8 59.6



#40
Benzene
Concen: 17.535 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

Tgt Ion: 78 Resp: 231777
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





#41

Methacrylonitrile

Concen: 35.861 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.03 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

ClientSampled :

Tot Ion: 41 Resp: 51308

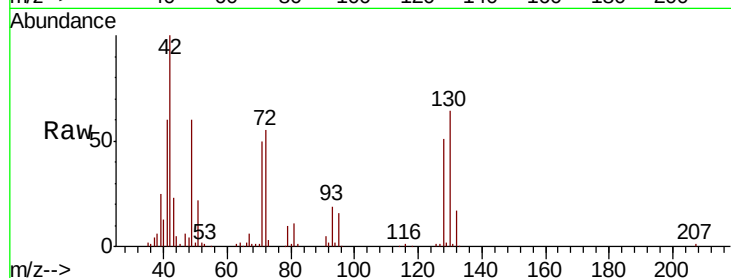
Ion Ratio Lower Upper

41 100

39 0.0 99.0 148.4#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

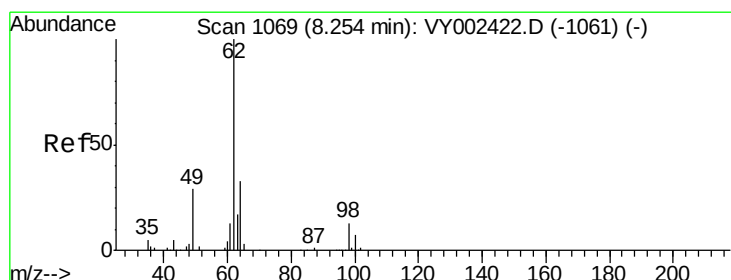
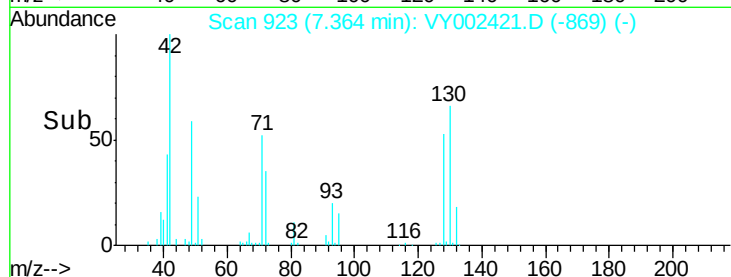
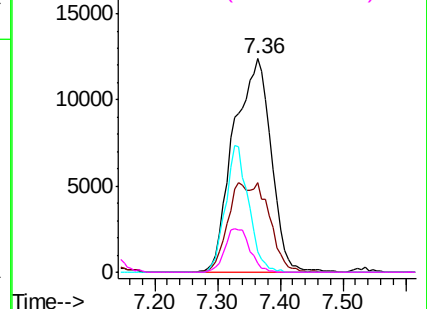


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 16.839 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VY002421.D

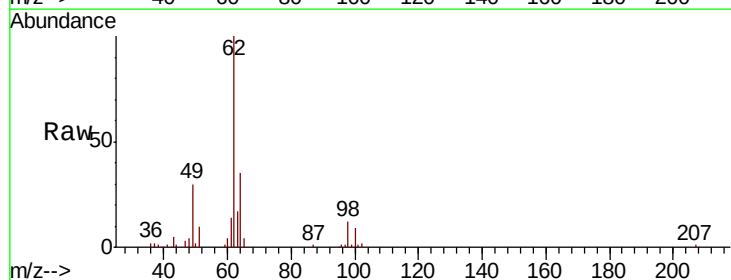
Acq: 20 Apr 2020 13:55

Tgt Ion: 62 Resp: 54852

Ion Ratio Lower Upper

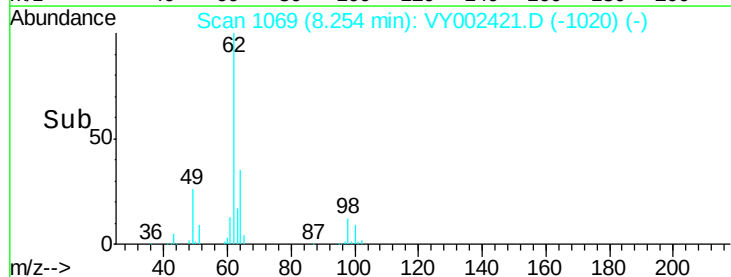
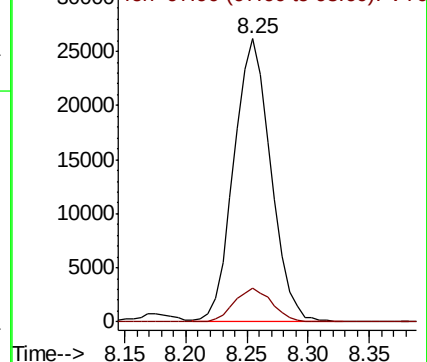
62 100

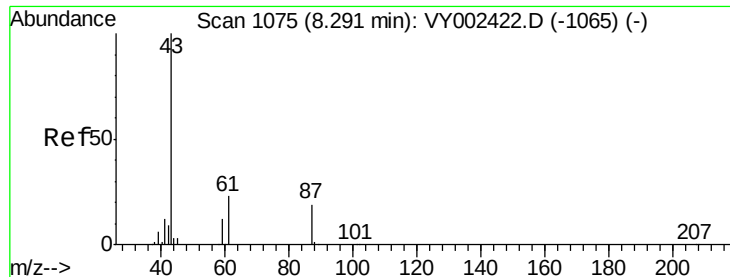
98 12.1 0.0 25.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 15.687 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

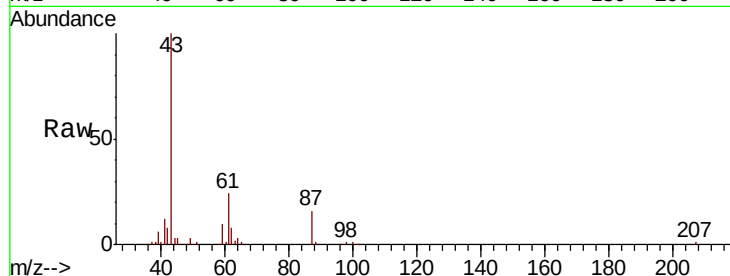
Tot Ion: 43 Resp: 69515

Ion Ratio Lower Upper

43 100

61 33.8 27.7 41.5

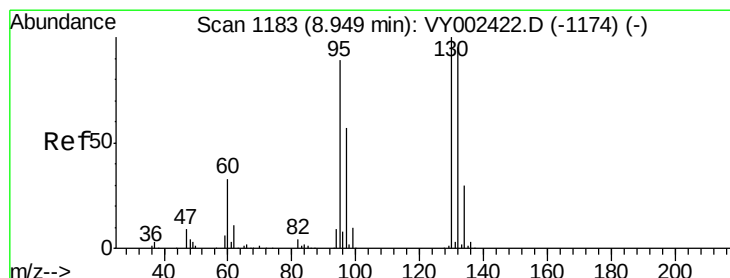
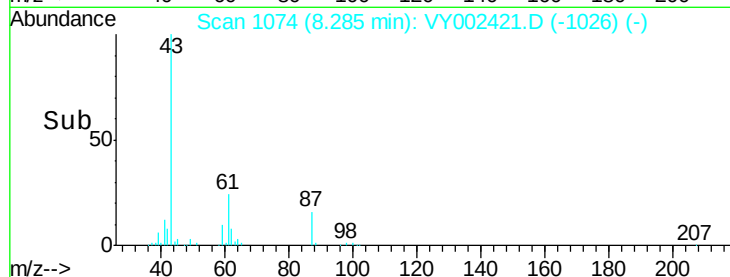
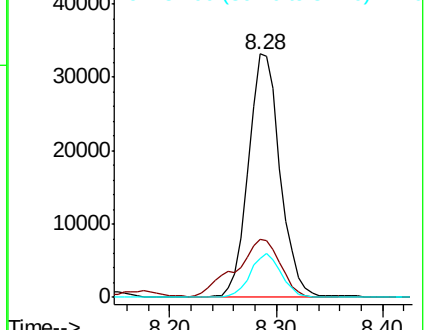
87 17.5 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VY002421.D (-1074) (-)

Ion 61.00 (60.70 to 61.70): VY002421.D (-1074) (-)

Ion 87.00 (86.70 to 87.70): VY002421.D (-1074) (-)



#44

Trichloroethene

Concen: 19.435 ug/l

RT: 8.95 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VY002421.D

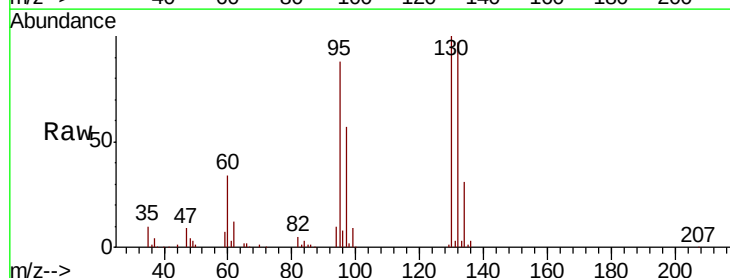
Acq: 20 Apr 2020 13:55

Tgt Ion:130 Resp: 77447

Ion Ratio Lower Upper

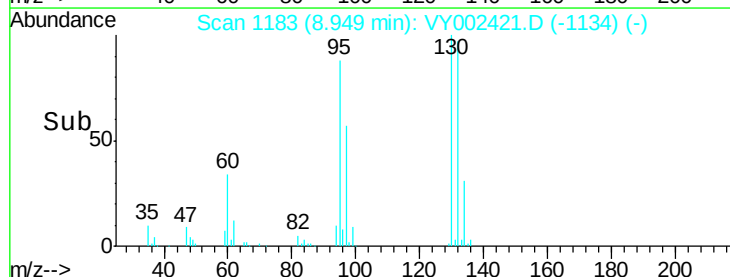
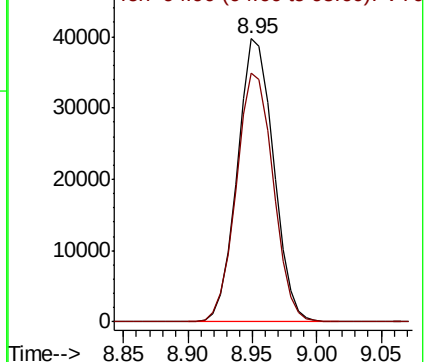
130 100

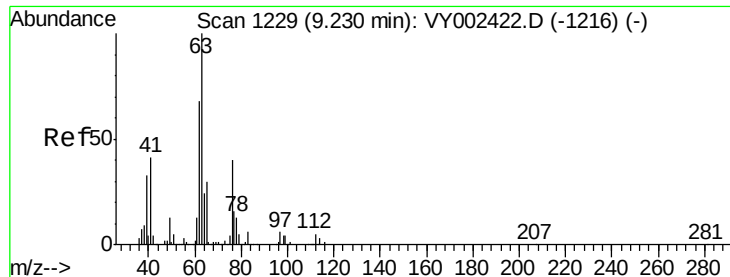
95 88.0 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): VY002421.D (-1183) (-)

Ion 94.90 (94.60 to 95.60): VY002421.D (-1183) (-)





#45

1,2-Dichloropropane

Concen: 16.571 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

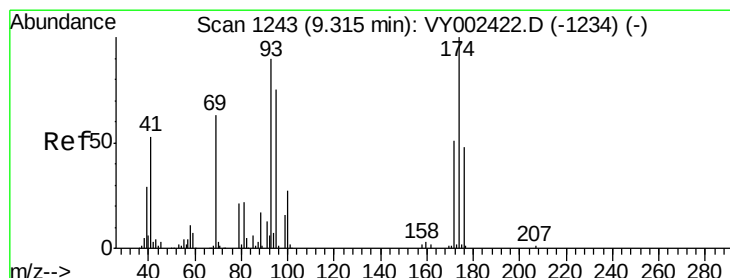
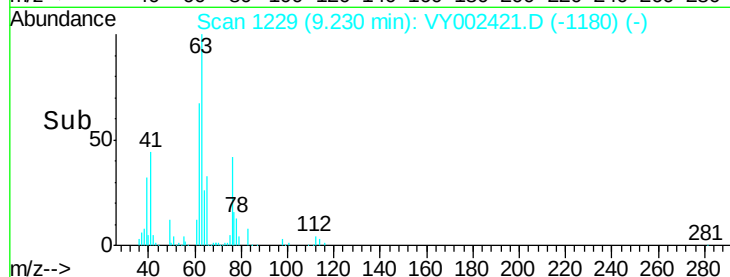
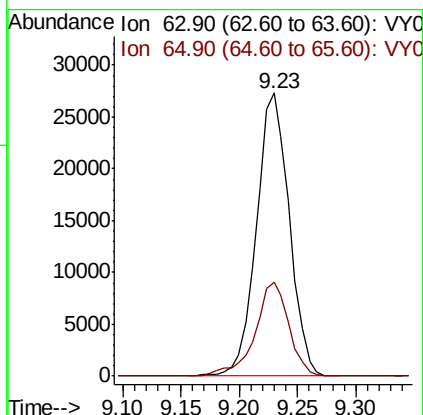
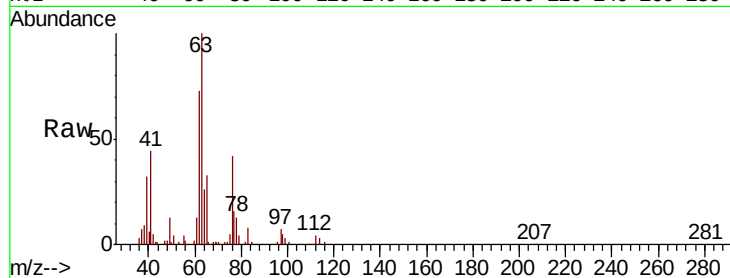
ClientSampleId :

Tot Ion: 63 Resp: 53629

Ion Ratio Lower Upper

63 100

65 33.3 24.2 36.2



#46

Dibromomethane

Concen: 18.133 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

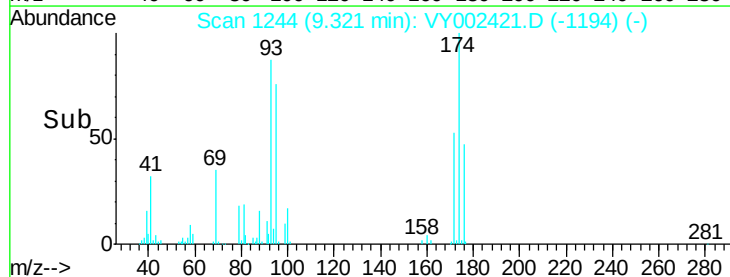
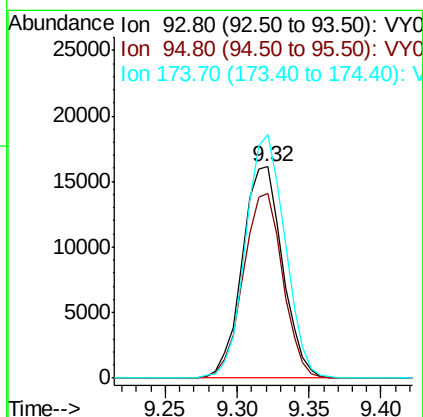
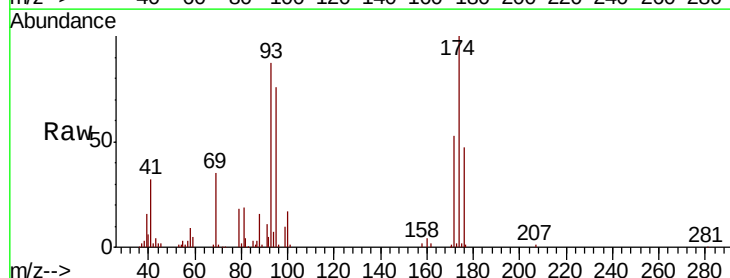
Tgt Ion: 93 Resp: 31254

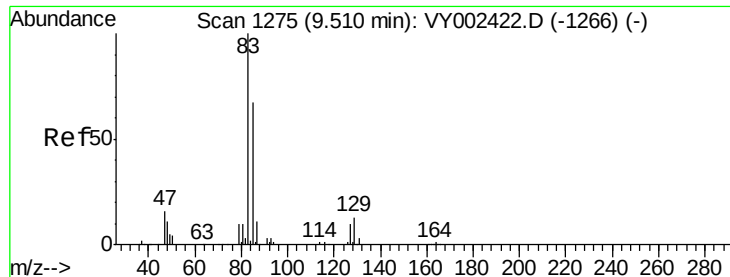
Ion Ratio Lower Upper

93 100

95 85.3 67.5 101.3

174 112.6 94.5 141.7





#47

Bromodichloromethane

Concen: 17.840 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

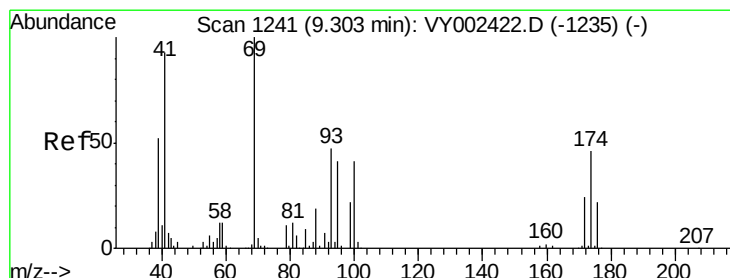
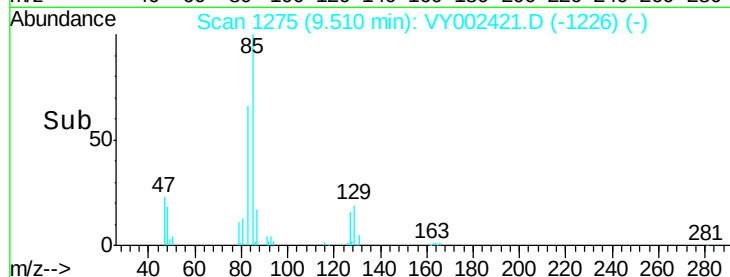
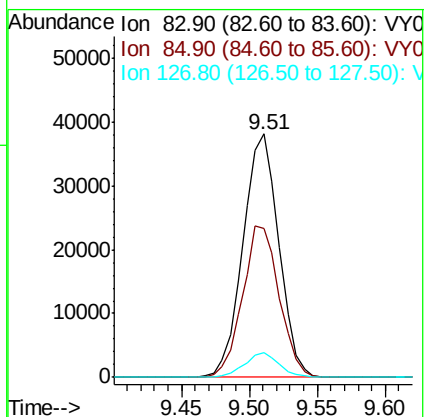
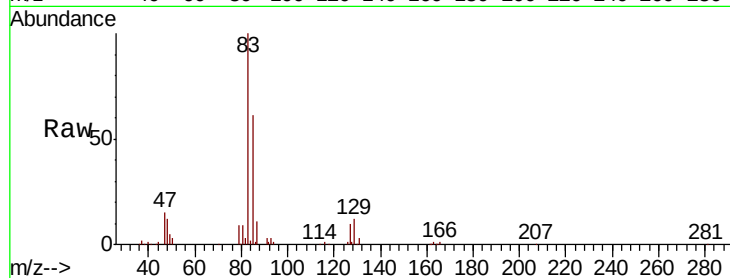
Tot Ion: 83 Resp: 70376

Ion Ratio Lower Upper

83 100

85 61.2 53.4 80.2

127 10.0 7.8 11.6



#48

Methyl methacrylate

Concen: 15.459 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

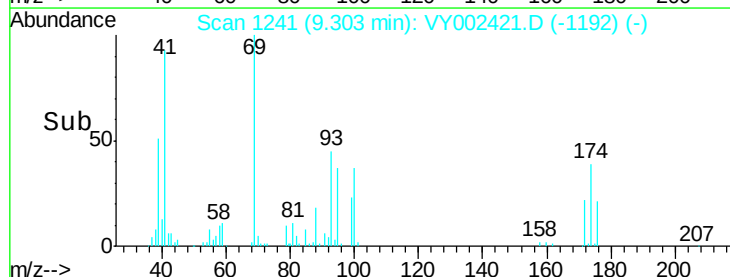
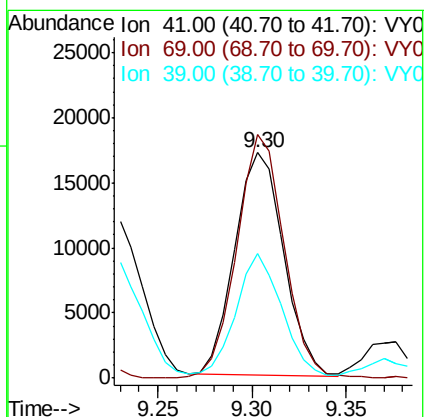
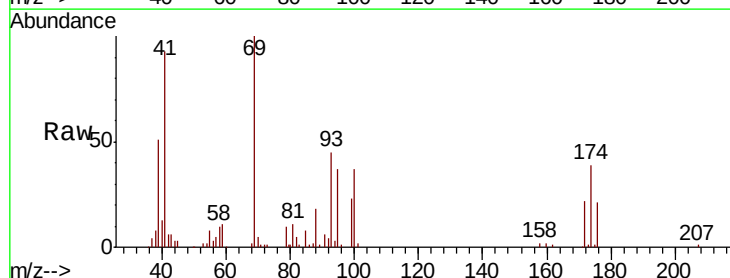
Tgt Ion: 41 Resp: 30762

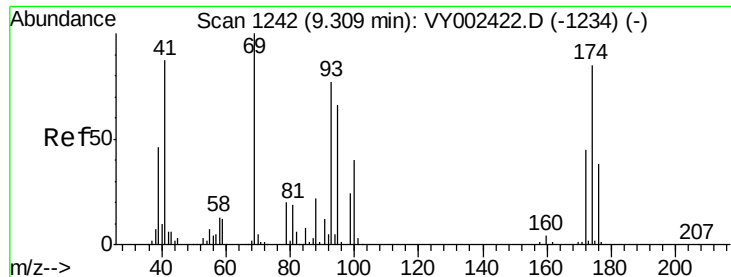
Ion Ratio Lower Upper

41 100

69 106.1 87.9 131.9

39 51.0 43.5 65.3





#49

1,4-Dioxane

Concen: 386.825 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

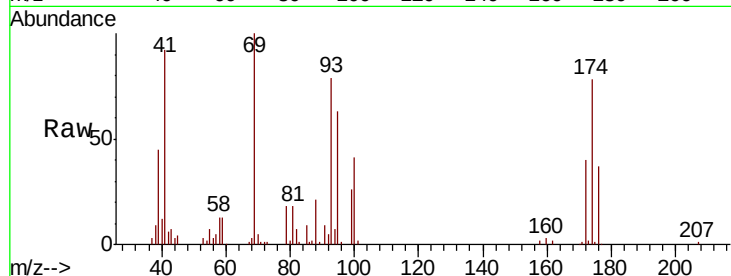
Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 9480

Ion	Ratio	Lower	Upper
88	100		
43	25.1	19.0	28.6
58	63.0	44.8	67.2

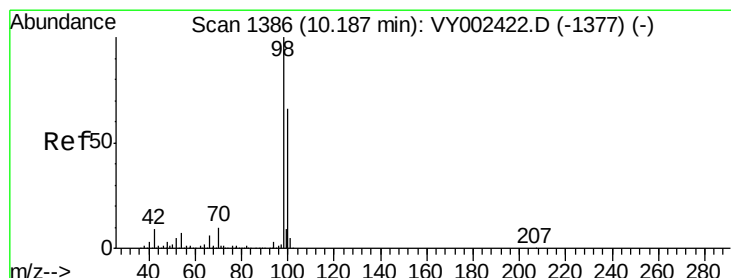
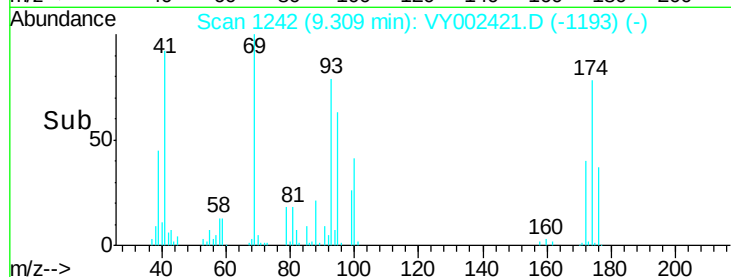
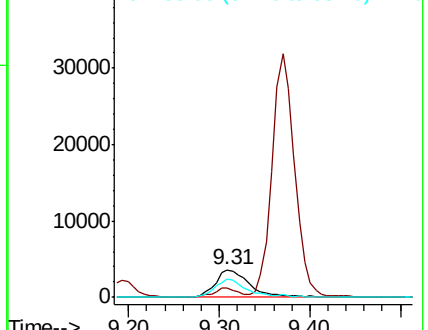


Abundance

Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 17.587 ug/l

RT: 10.19 min Scan# 1386

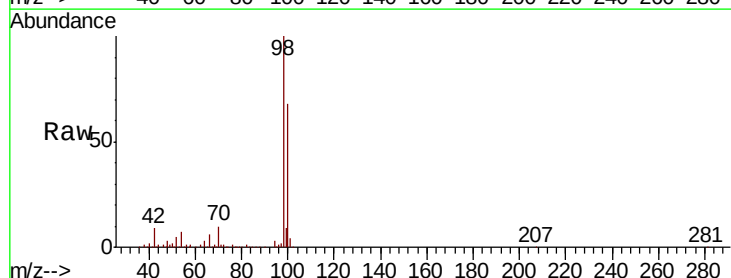
Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Tgt Ion: 98 Resp: 193046

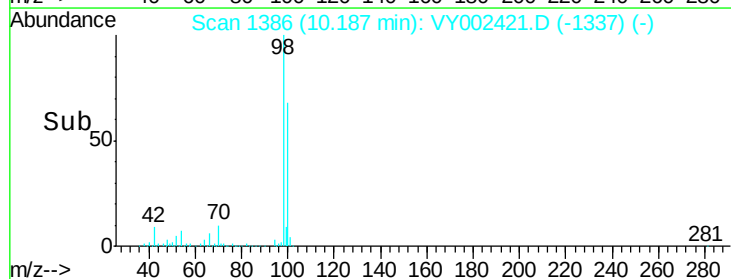
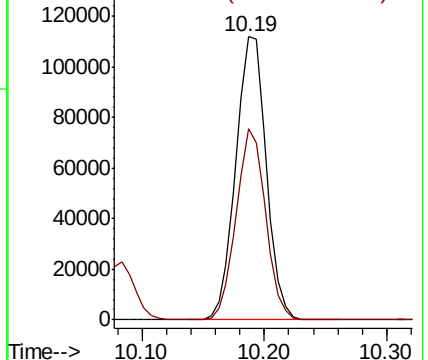
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.6	77.4

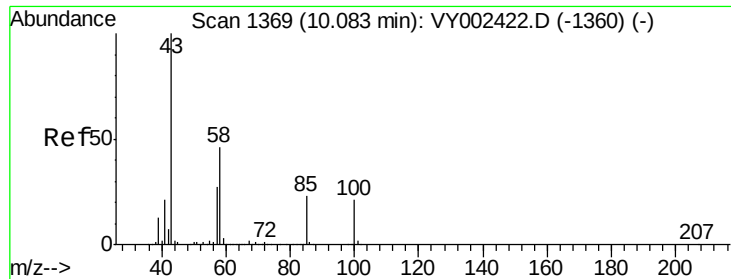


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

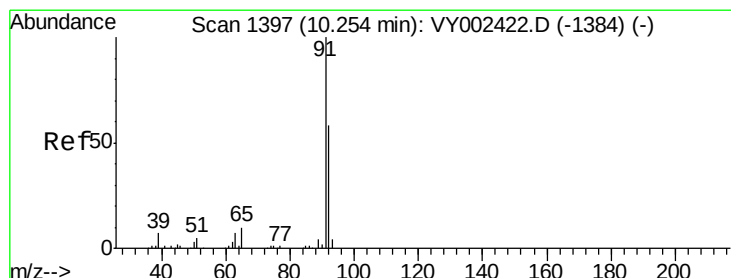
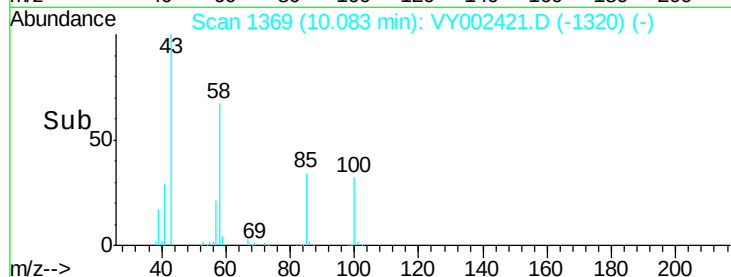
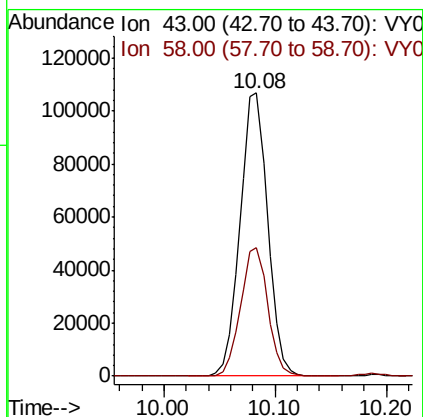
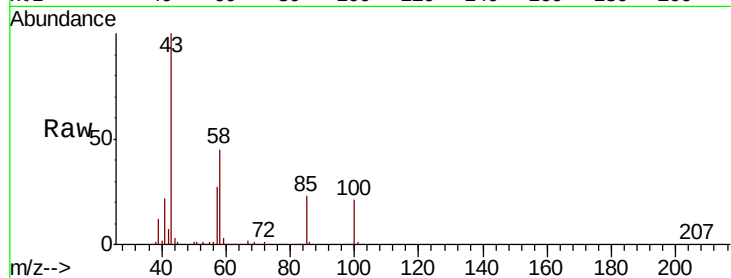




#51
 4-Methyl-2-Pentanone
 Concen: 79.266 ug/l
 RT: 10.08 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

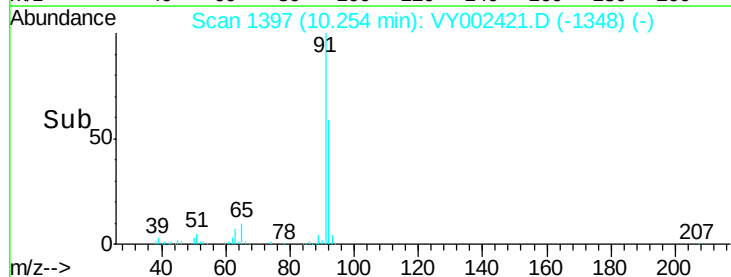
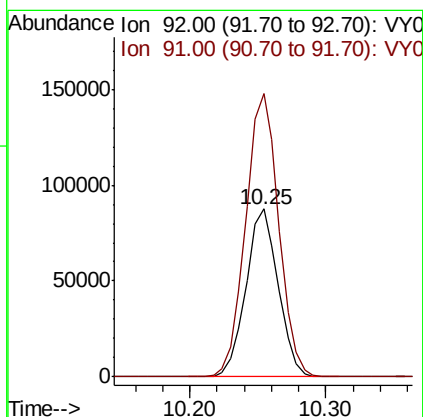
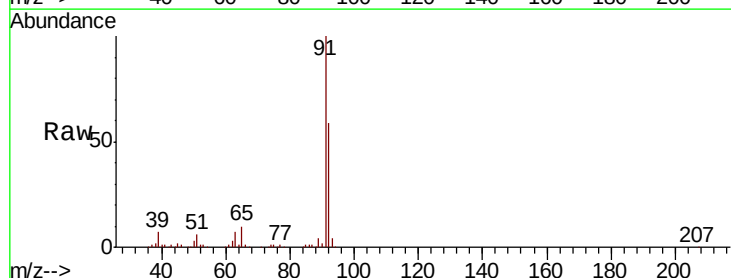
Instrument :
 MSVOA_Y
 ClientSampled :

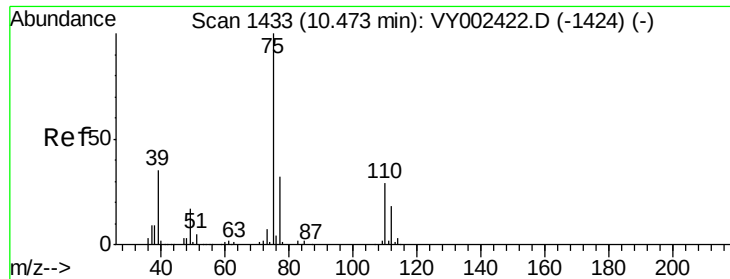
Tot Ion: 43 Resp: 183765
 Ion Ratio Lower Upper
 43 100
 58 44.8 36.8 55.2



#52
 Toluene
 Concen: 18.139 ug/l
 RT: 10.25 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

Tgt Ion: 92 Resp: 145251
 Ion Ratio Lower Upper
 92 100
 91 173.0 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 17.298 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

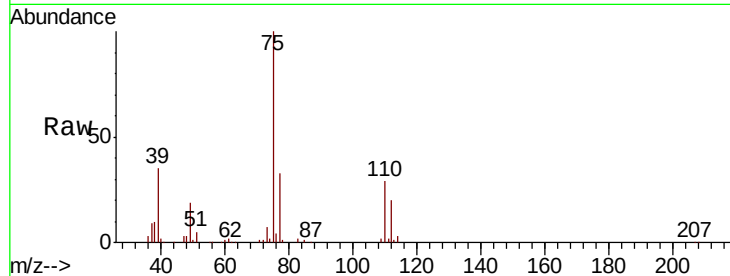
ClientSampled :

Tot Ion: 75 Resp: 74007

Ion Ratio Lower Upper

75 100

77 32.7 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.47

50000

40000

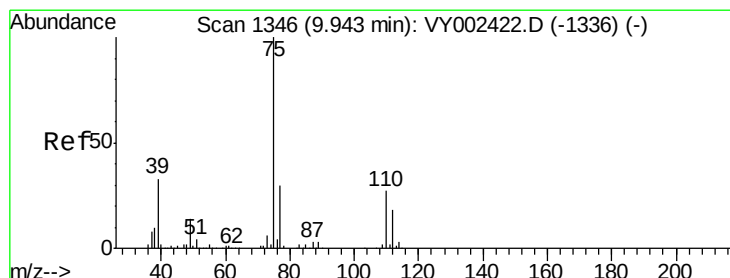
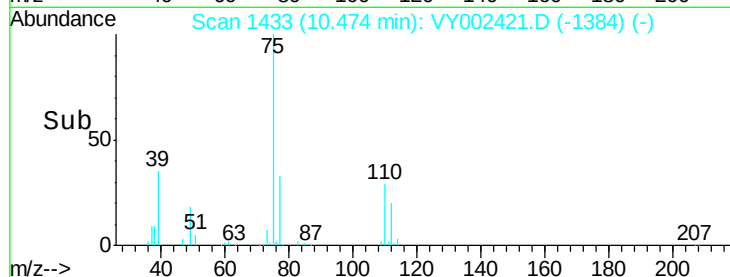
30000

20000

10000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 17.404 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

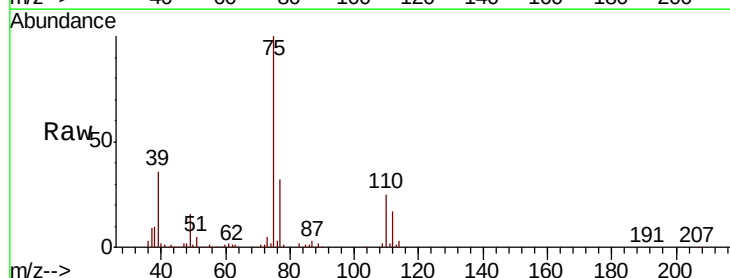
Tgt Ion: 75 Resp: 89453

Ion Ratio Lower Upper

75 100

77 31.7 24.2 36.4

39 35.8 26.6 40.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

9.94

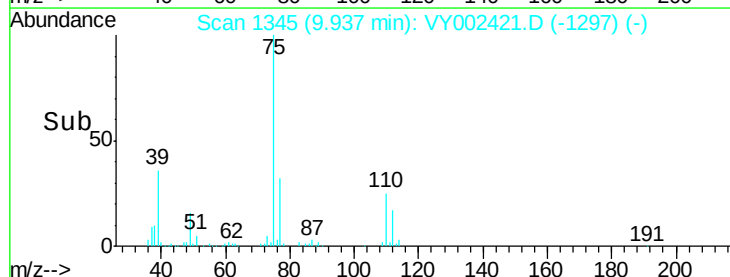
60000

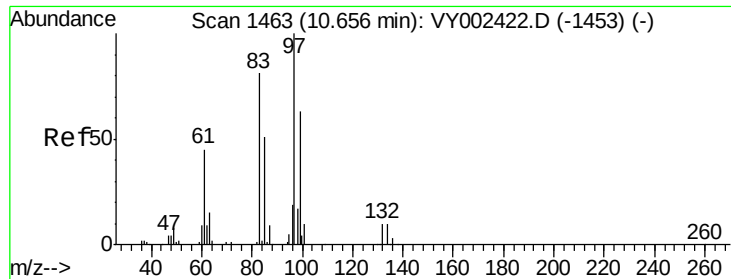
40000

20000

0

Time-->

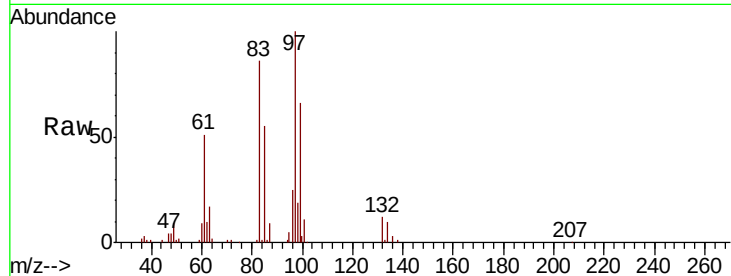




#55
 1,1,2-Trichloroethane
 Concen: 18.556 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:	97	Resp:	46903
Ion	Ratio	Lower	Upper
97	100		
83	86.3	64.6	96.8
85	54.9	41.1	61.7
99	65.5	50.2	75.2



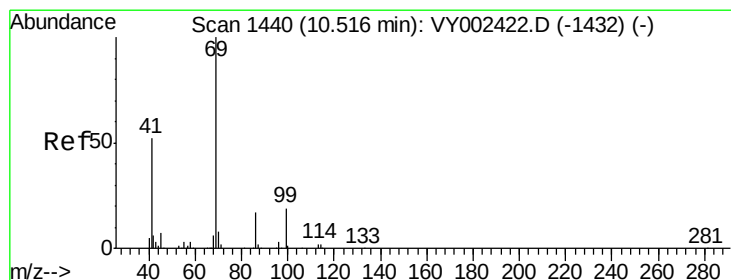
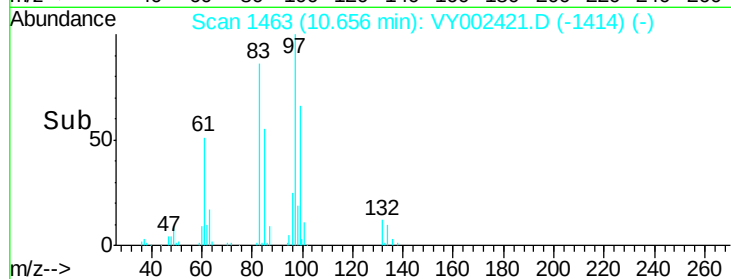
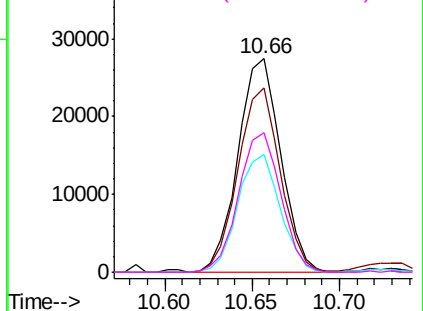
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

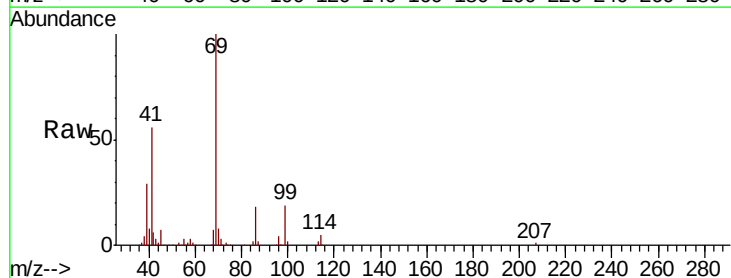
Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56
 Ethyl methacrylate
 Concen: 17.302 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

Tgt Ion:	69	Resp:	61493
Ion	Ratio	Lower	Upper
69	100		
41	53.6	42.0	63.0
39	26.7	21.2	31.8

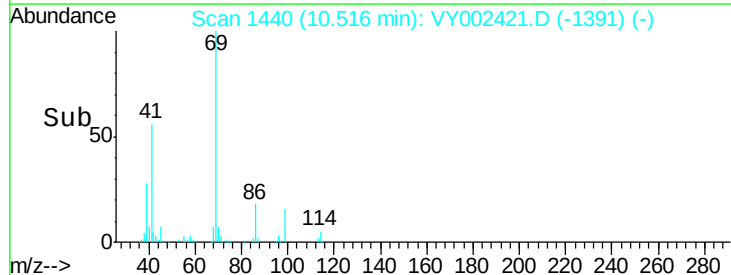
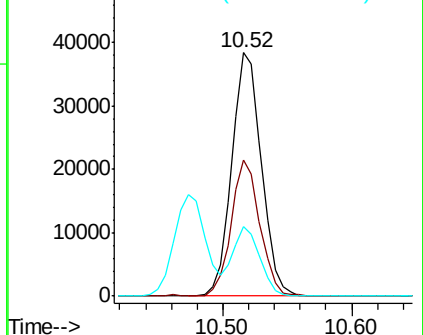


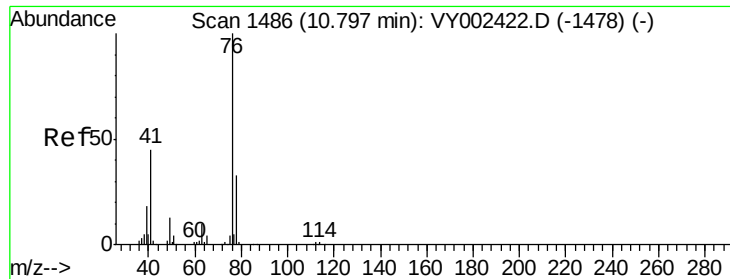
Abundance

Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 17.633 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

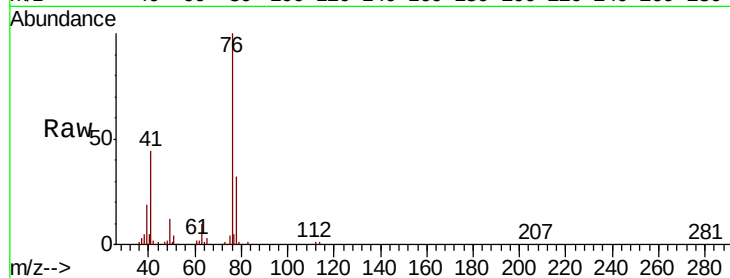
ClientSampled :

Tot Ion: 76 Resp: 77539

Ion Ratio Lower Upper

76 100

78 32.8 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.80

50000

40000

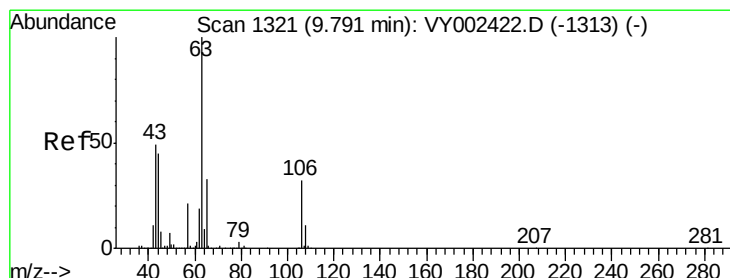
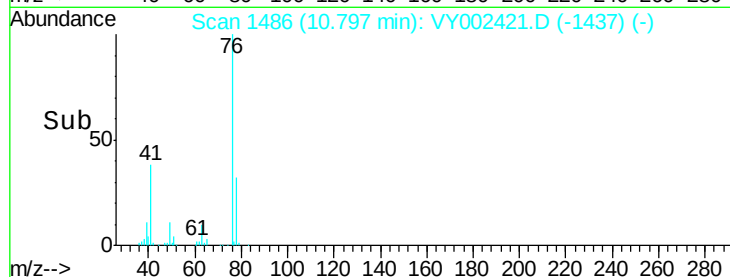
30000

20000

10000

0

Time--> 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 81.081 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VY002421.D

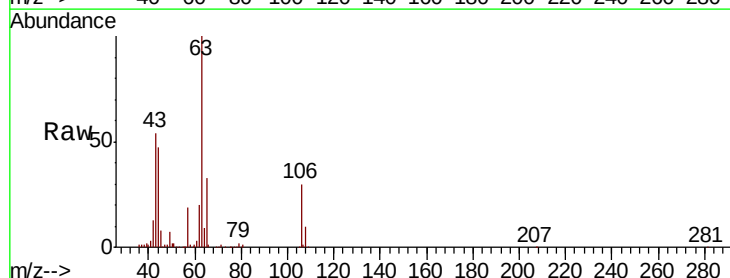
Acq: 20 Apr 2020 13:55

Tgt Ion: 63 Resp: 149517

Ion Ratio Lower Upper

63 100

106 31.4 26.2 39.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.79

100000

80000

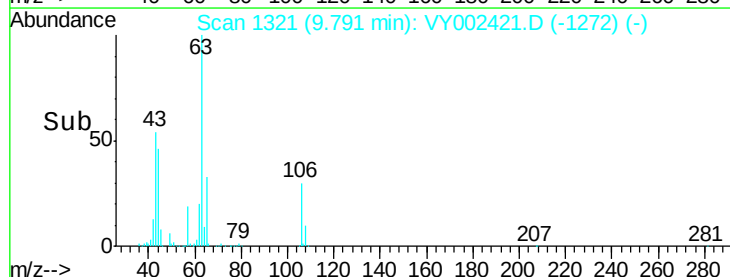
60000

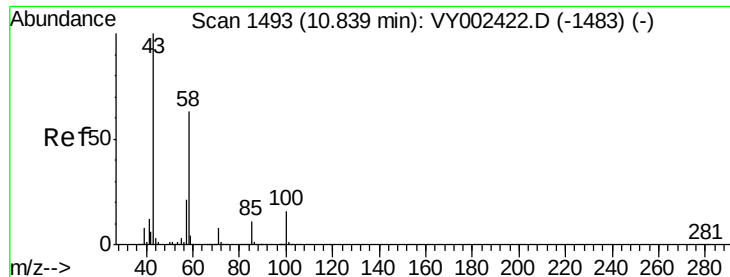
40000

20000

0

Time--> 9.70 9.75 9.80 9.85





#59

2-Hexanone

Concen: 81.255 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

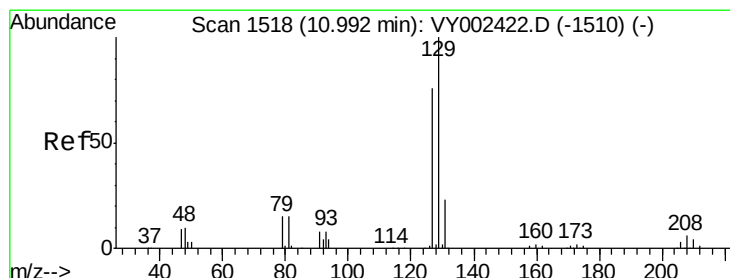
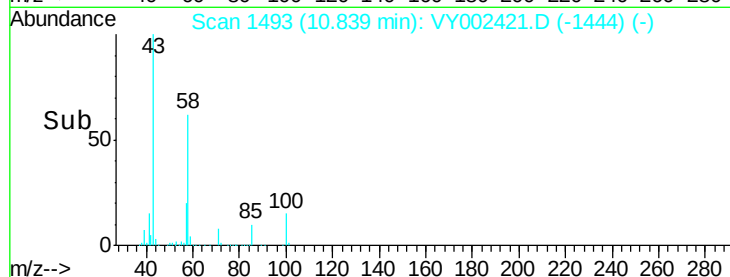
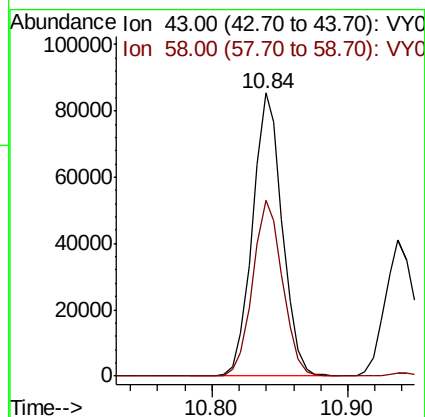
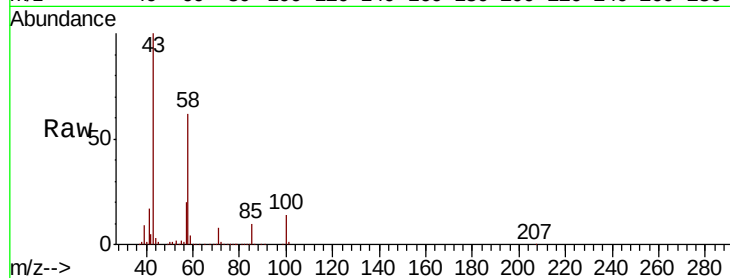
ClientSampleId :

Tot Ion: 43 Resp: 130640

Ion Ratio Lower Upper

43 100

58 62.4 32.5 97.4



#60

Dibromochloromethane

Concen: 20.559 ug/l

RT: 11.00 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VY002421.D

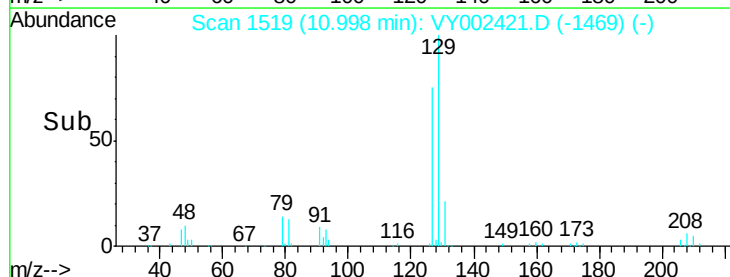
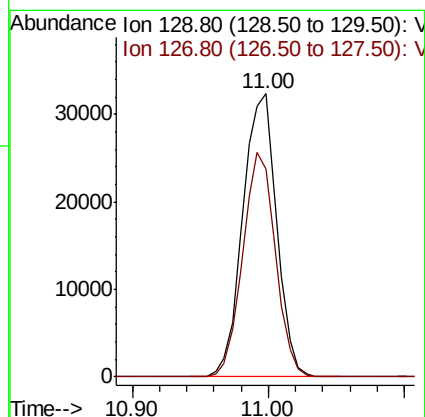
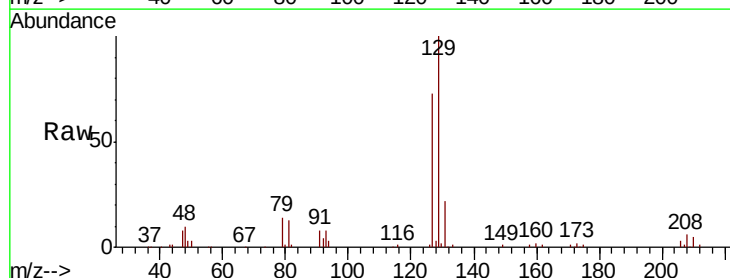
Acq: 20 Apr 2020 13:55

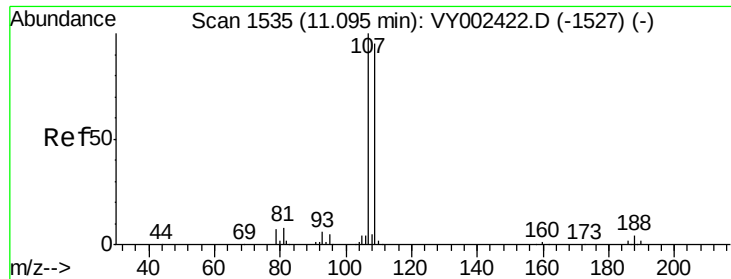
Tgt Ion:129 Resp: 56491

Ion Ratio Lower Upper

129 100

127 76.4 38.6 115.7

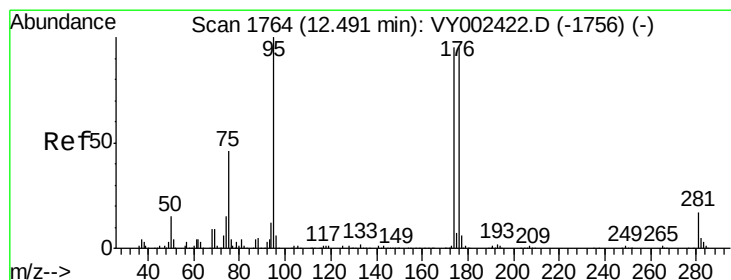
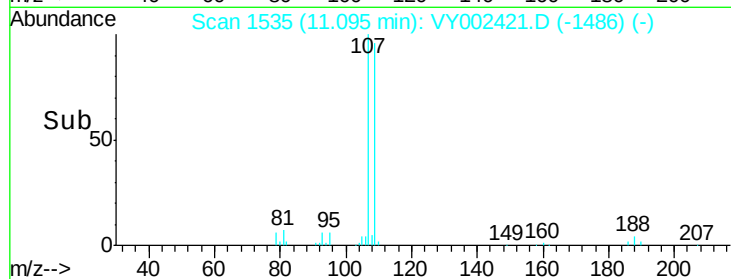
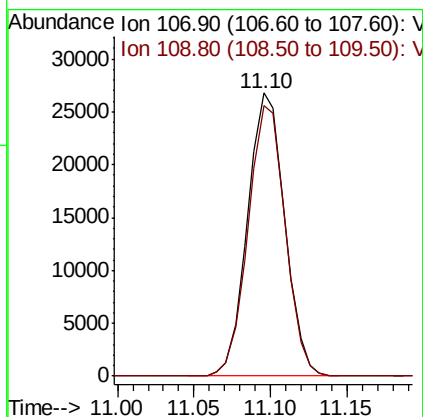
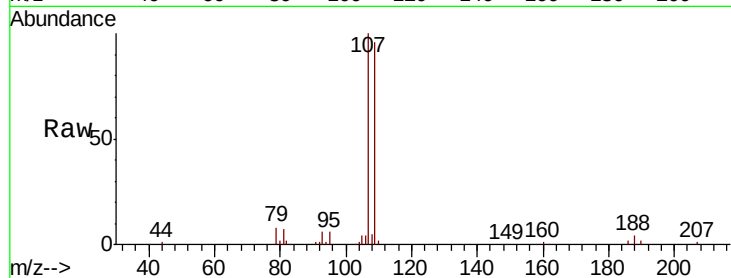




#61
 1,2-Dibromoethane
 Concen: 18.749 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

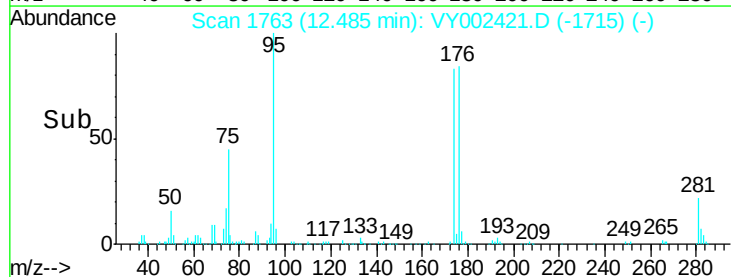
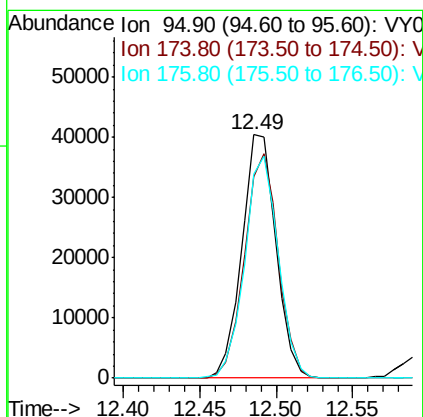
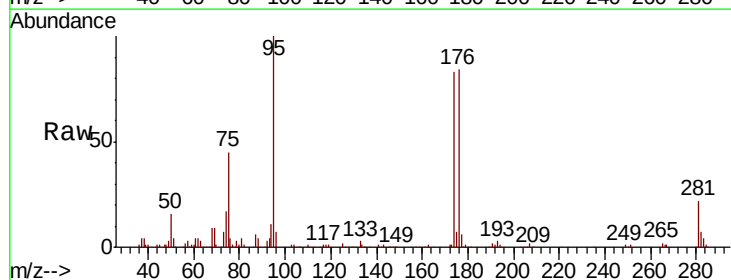
Instrument :
 MSVOA_Y
 ClientSampleId :

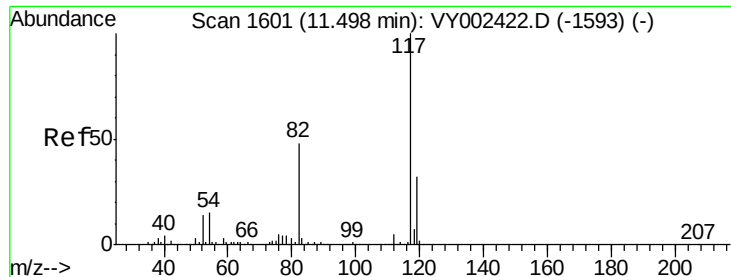
Tot Ion: 107 Resp: 45387
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.4 114.6



#62
 4-Bromofluorobenzene
 Concen: 17.327 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

Tgt Ion: 95 Resp: 62583
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 185.8
 176 90.2 0.0 181.2

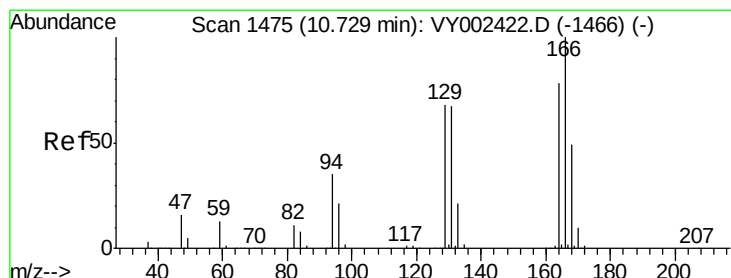
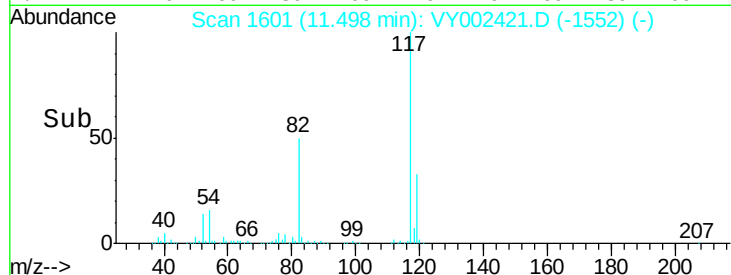
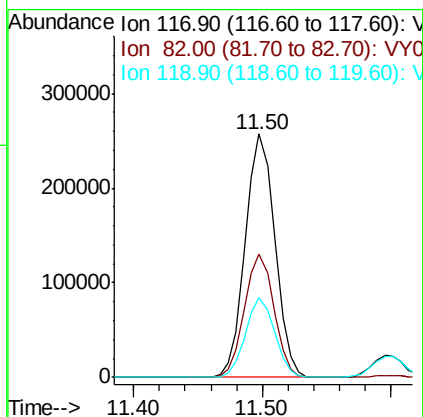
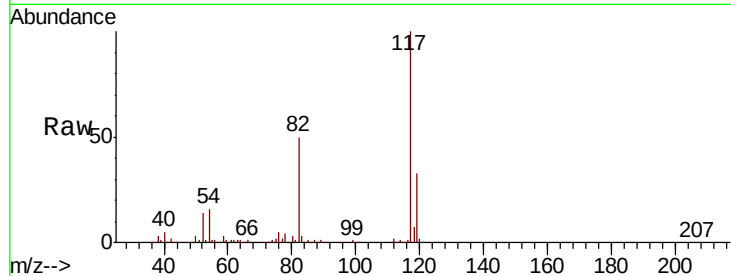




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

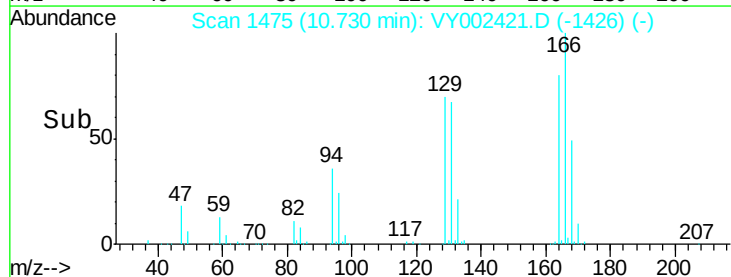
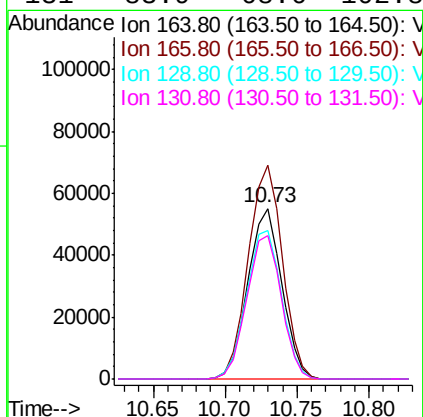
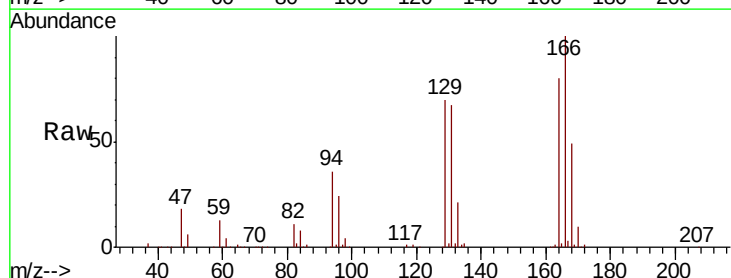
Instrument :
MSVOA_Y
ClientSampleId :

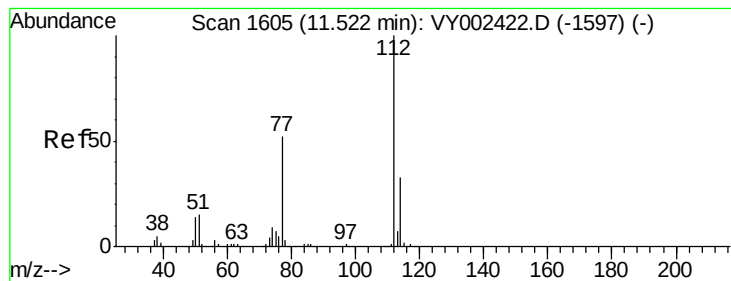
Tot Ion:117 Resp: 408183
Ion Ratio Lower Upper
117 100
82 50.4 38.4 57.6
119 32.8 25.3 37.9



#64
Tetrachloroethene
Concen: 21.486 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

Tgt Ion:164 Resp: 89838
Ion Ratio Lower Upper
164 100
166 125.1 102.4 153.6
129 87.3 70.1 105.1
131 83.9 68.6 102.8





#65

Chlorobenzene

Concen: 18.853 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

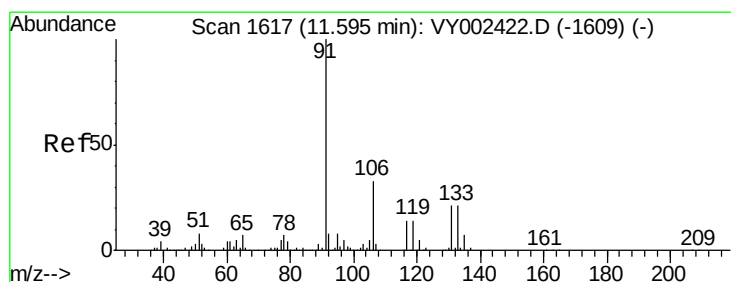
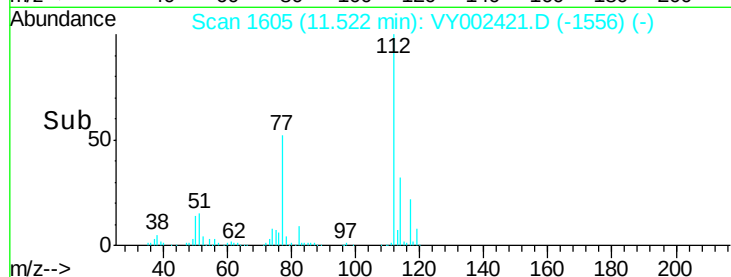
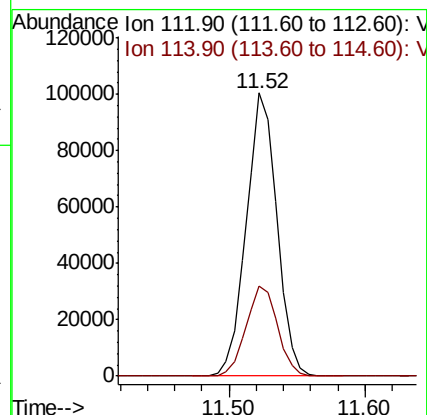
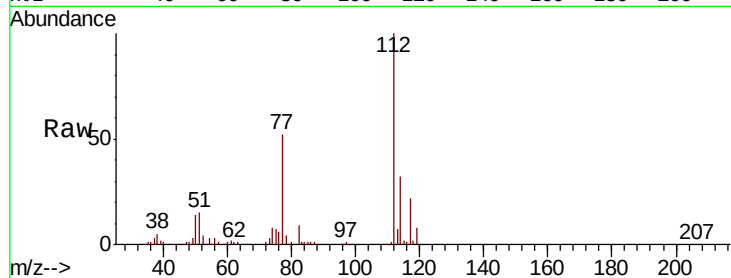
ClientSampleId :

Tot Ion:112 Resp: 158440

Ion Ratio Lower Upper

112 100

114 31.7 26.5 39.7



#66

1,1,1,2-Tetrachloroethane

Concen: 20.426 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

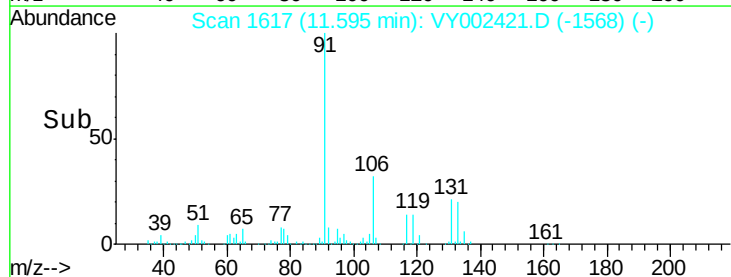
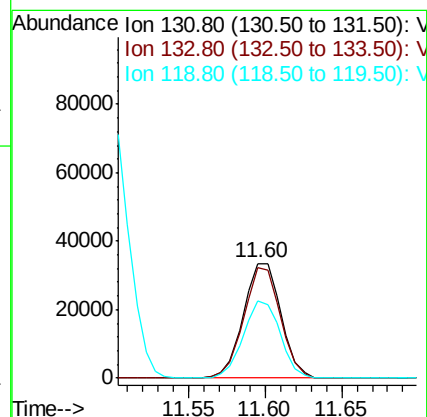
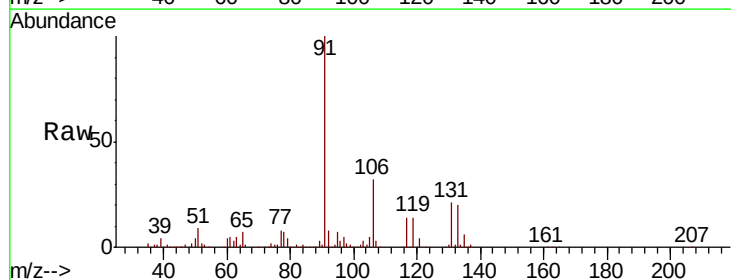
Tgt Ion:131 Resp: 57145

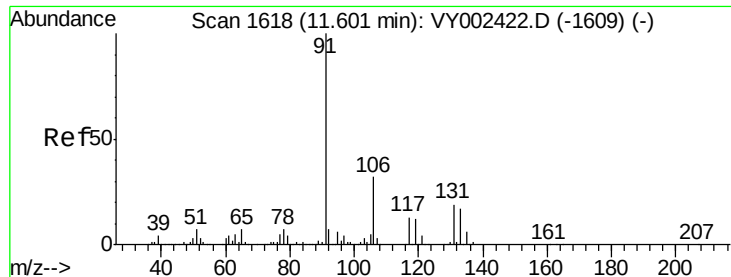
Ion Ratio Lower Upper

131 100

133 94.2 47.9 143.8

119 66.0 33.5 100.4

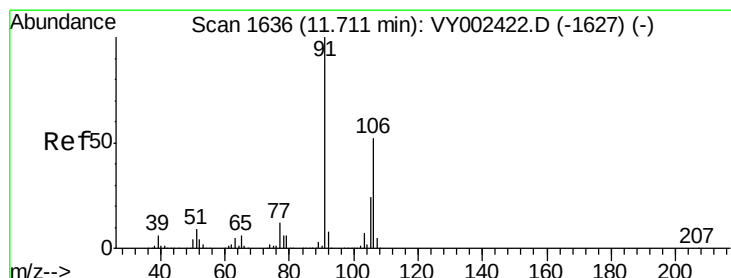
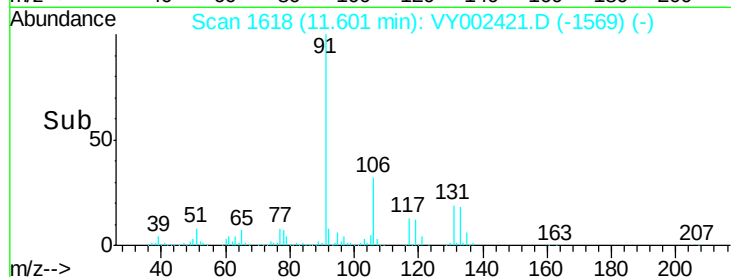
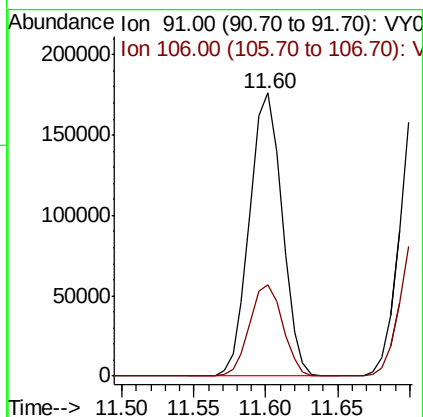
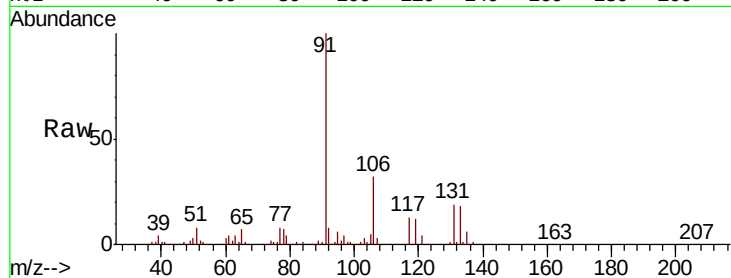




#67
Ethyl Benzene
Concen: 18.162 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

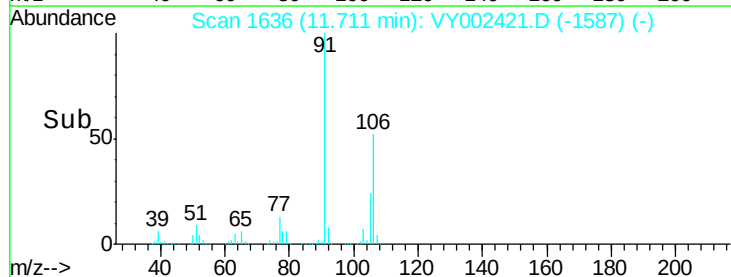
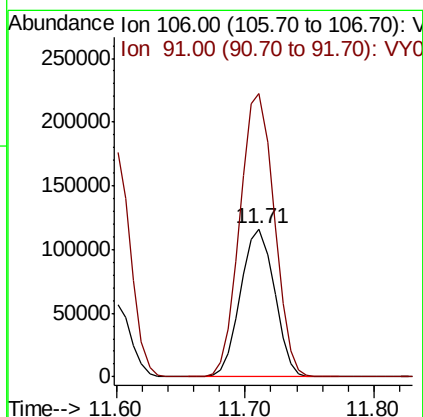
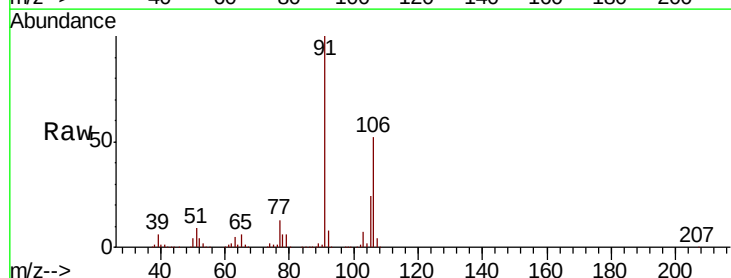
Instrument :
MSVOA_Y
ClientSampled :

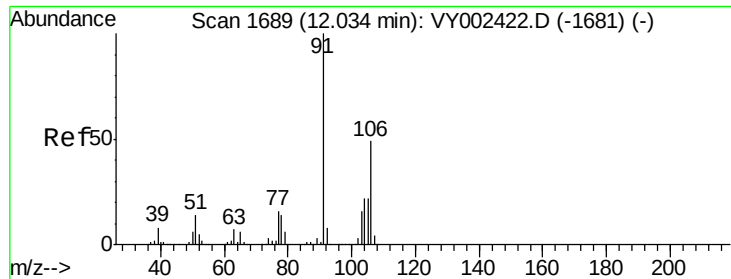
Tot Ion: 91 Resp: 276613
Ion Ratio Lower Upper
91 100
106 32.1 25.8 38.8



#68
m/p-Xylenes
Concen: 37.075 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

Tgt Ion: 106 Resp: 212861
Ion Ratio Lower Upper
106 100
91 193.1 153.6 230.4

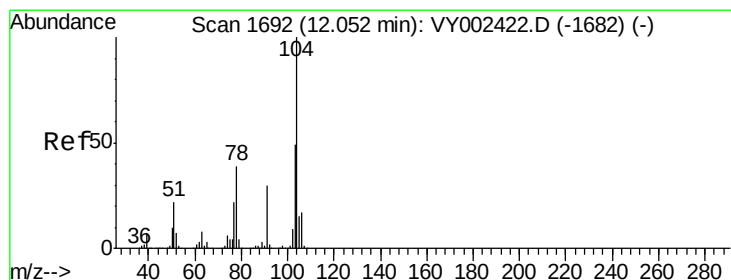
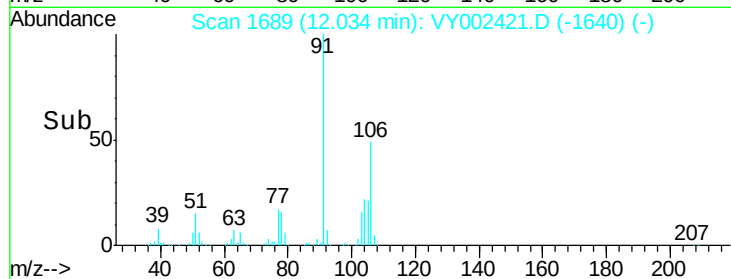
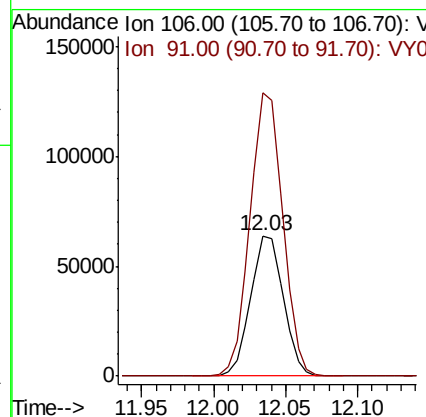
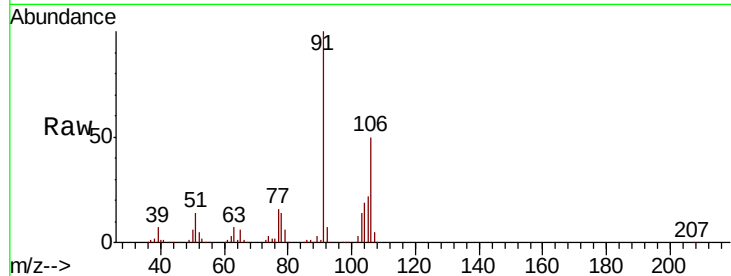




#69
o-Xylene
Concen: 18.655 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

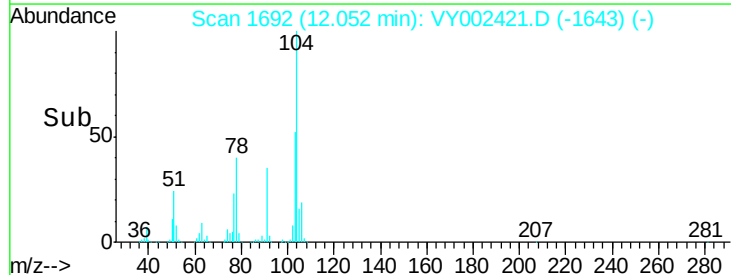
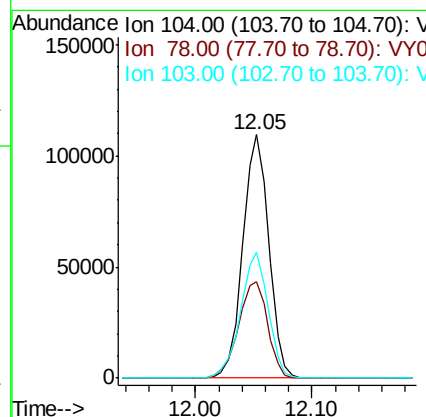
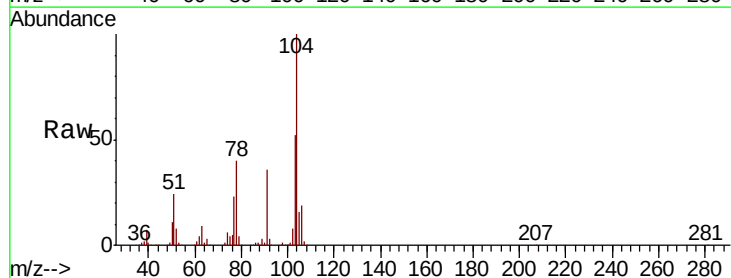
Instrument :
MSVOA_Y
ClientSampled :

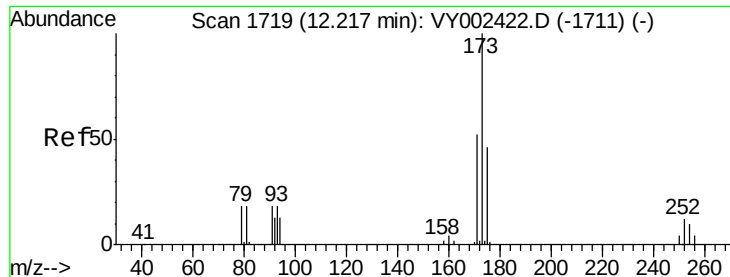
Tot Ion:106 Resp: 100552
Ion Ratio Lower Upper
106 100
91 201.6 100.4 301.2



#70
Styrene
Concen: 18.273 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

Tgt Ion:104 Resp: 170635
Ion Ratio Lower Upper
104 100
78 44.6 34.5 51.7
103 54.7 43.4 65.2





#71

Bromoform

Concen: 22.204 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

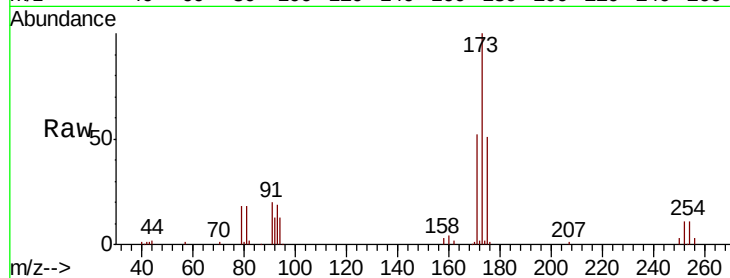
Tot Ion:173 Resp: 34453

Ion Ratio Lower Upper

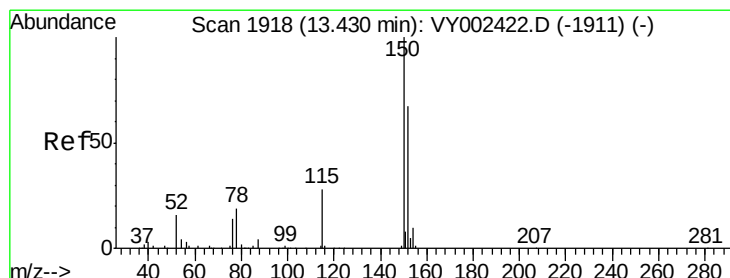
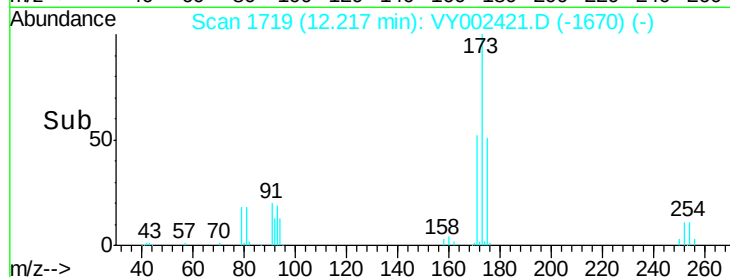
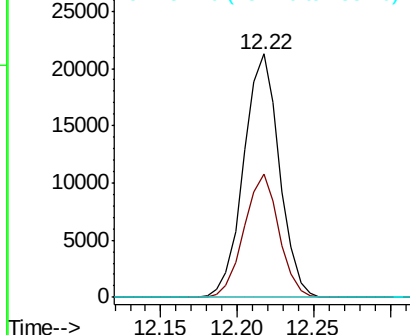
173 100

175 49.3 23.9 71.7

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

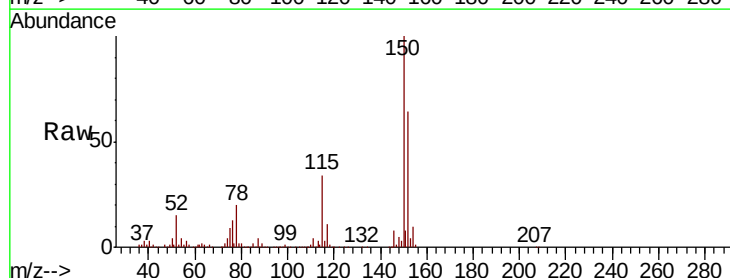
Tgt Ion:152 Resp: 204250

Ion Ratio Lower Upper

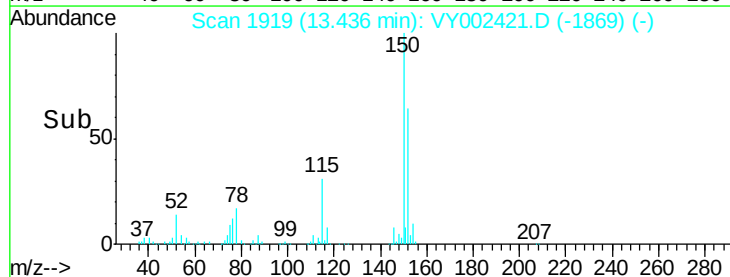
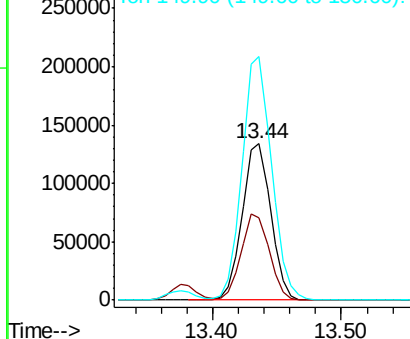
152 100

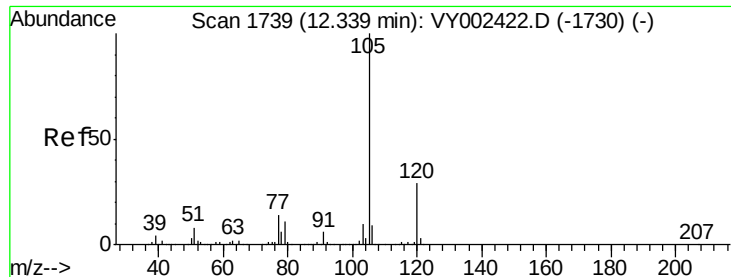
115 54.6 27.3 81.8

150 162.0 0.0 344.0



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: 17.309 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

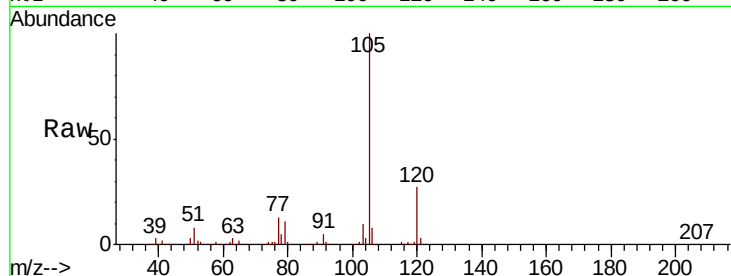
ClientSampleId :

Tot Ion:105 Resp: 270260

Ion Ratio Lower Upper

105 100

120 27.7 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.34

200000

150000

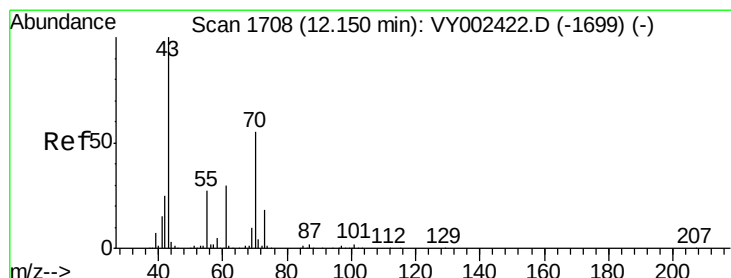
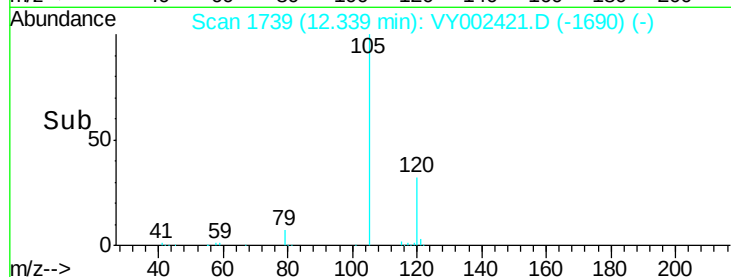
100000

50000

0

Time-->

12.30 12.40



#74

N-ethyl acetate

Concen: 14.429 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Tgt Ion: 43 Resp: 62217

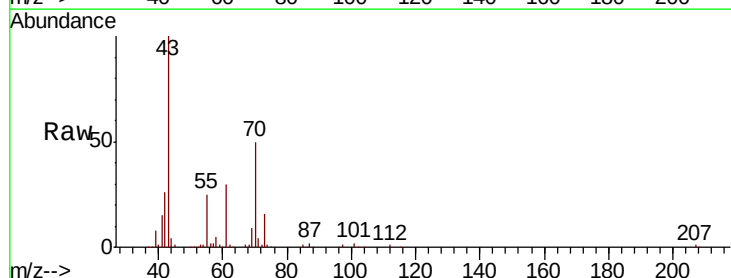
Ion Ratio Lower Upper

43 100

70 51.5 42.6 63.8

55 25.8 21.0 31.4

61 28.4 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

60000

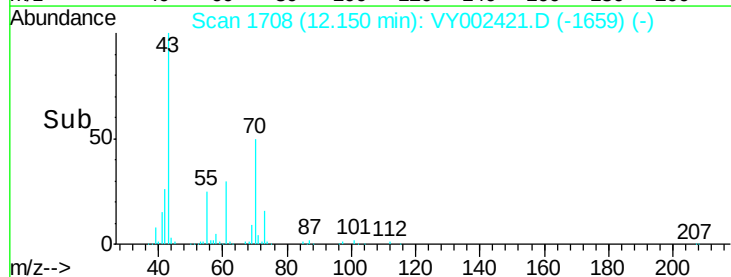
40000

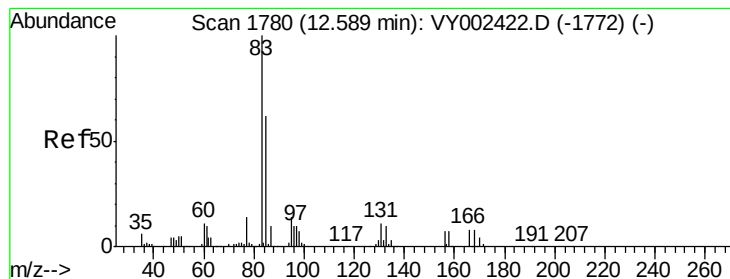
20000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 17.495 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

ClientSampled :

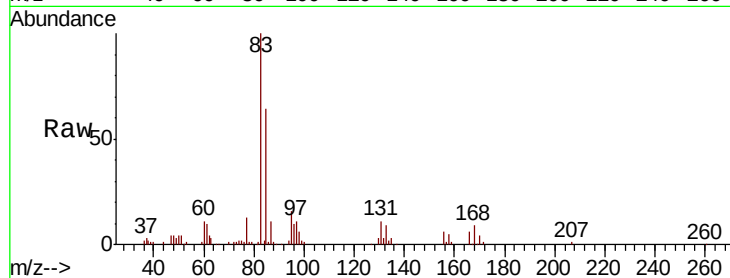
Tot Ion: 83 Resp: 33108

Ion Ratio Lower Upper

83 100

131 11.5 5.9 17.6

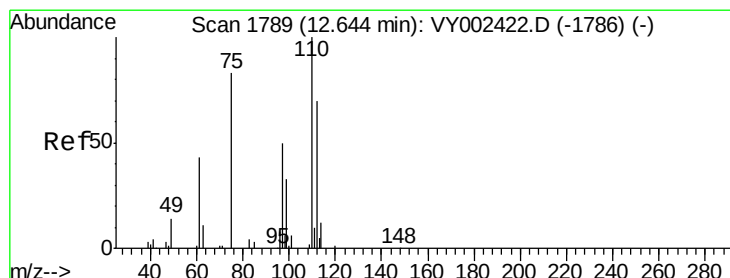
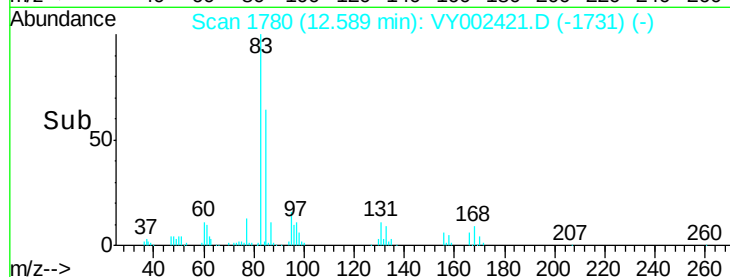
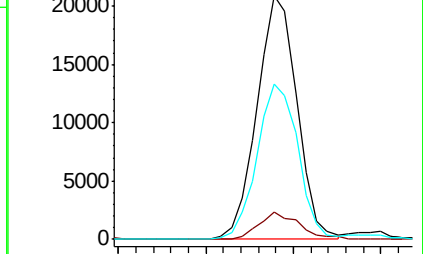
85 65.1 32.6 98.0



Abundance Ion 82.90 (82.60 to 83.60): VY002421.D (-1731) (-)

Ion 130.80 (130.50 to 131.50): VY002421.D (-1731) (-)

Ion 84.90 (84.60 to 85.60): VY002421.D (-1731) (-)



#76

1,2,3-Trichloropropane

Concen: 30.265 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VY002421.D

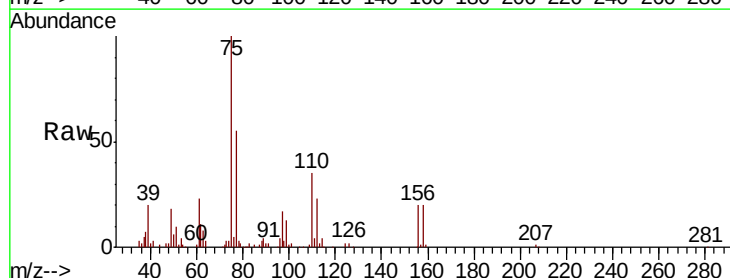
Acq: 20 Apr 2020 13:55

Tgt Ion: 75 Resp: 68734

Ion Ratio Lower Upper

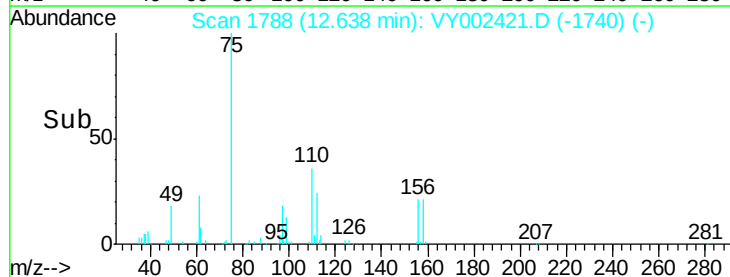
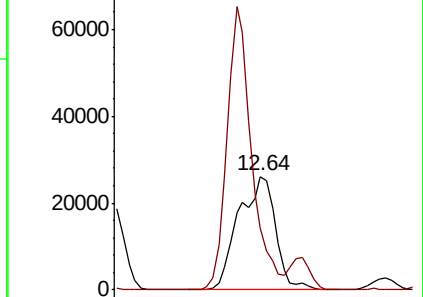
75 100

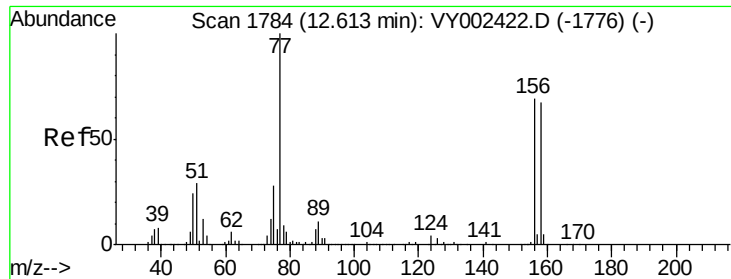
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002421.D (-1740) (-)

Ion 77.00 (76.70 to 77.70): VY002421.D (-1740) (-)





#77

Bromobenzene

Concen: 19.219 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

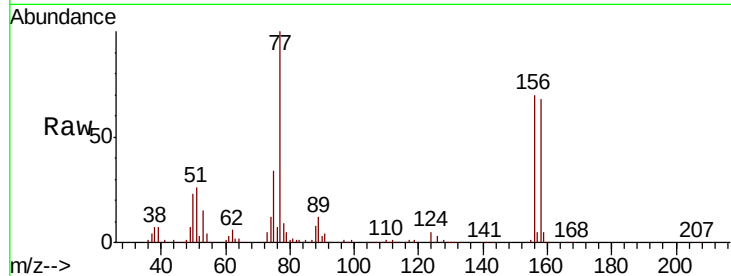
Tot Ion:156 Resp: 67429

Ion Ratio Lower Upper

156 100

77 169.0 80.2 240.6

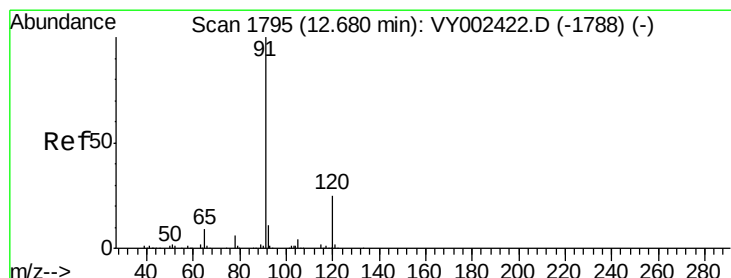
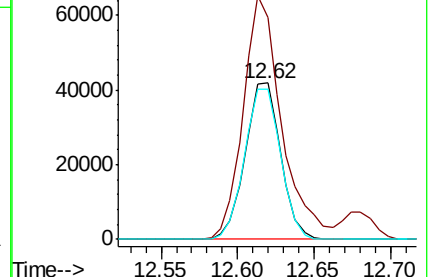
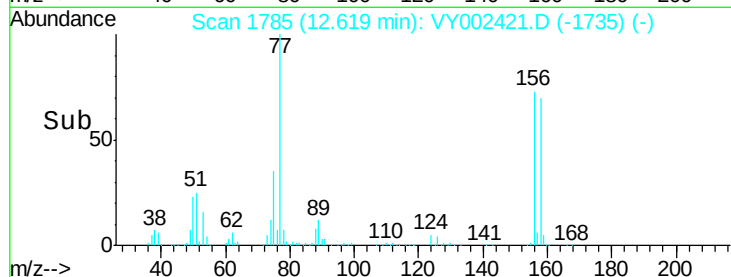
158 97.9 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): VY002421.D (-1775) (-)

Ion 77.00 (76.70 to 77.70): VY002421.D (-1775) (-)

Ion 157.80 (157.50 to 158.50): VY002421.D (-1775) (-)



#78

n-propylbenzene

Concen: 16.621 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002421.D

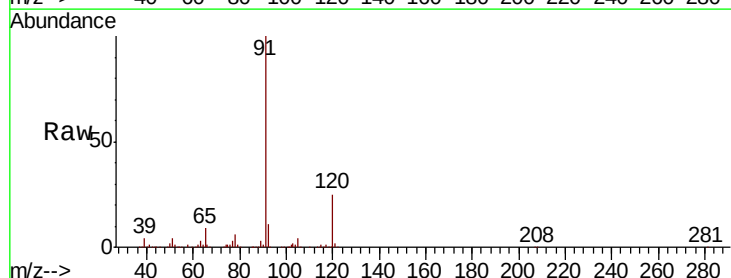
Acq: 20 Apr 2020 13:55

Tgt Ion: 91 Resp: 320781

Ion Ratio Lower Upper

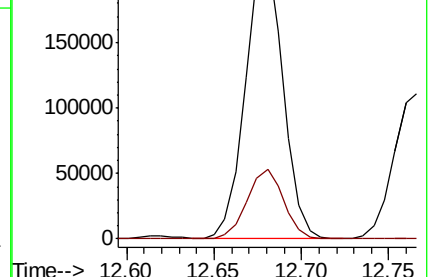
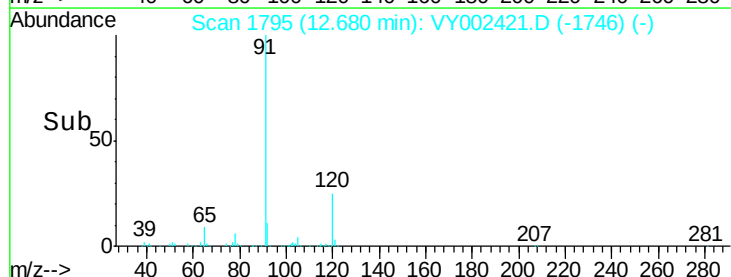
91 100

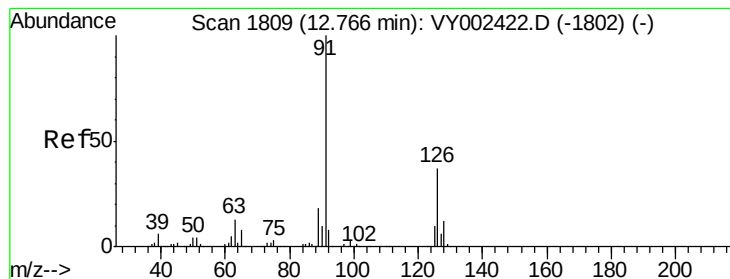
120 24.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VY002421.D (-1746) (-)

Ion 120.00 (119.70 to 120.70): VY002421.D (-1746) (-)





#79

2-Chlorotoluene

Concen: 16.571 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

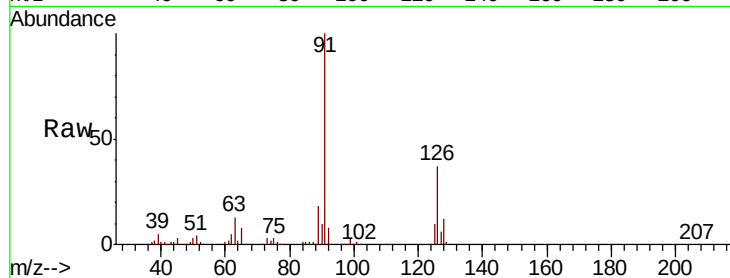
ClientSampleId :

Tot Ion: 91 Resp: 173903

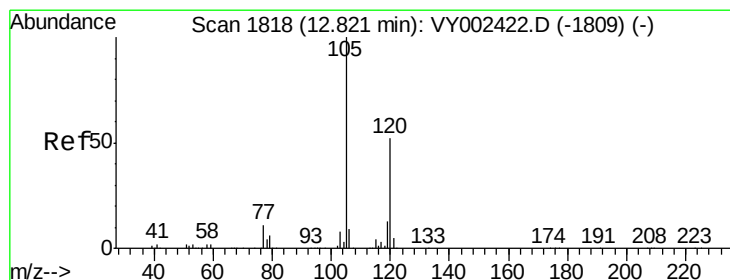
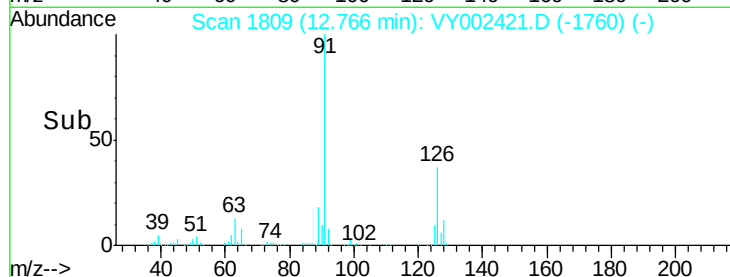
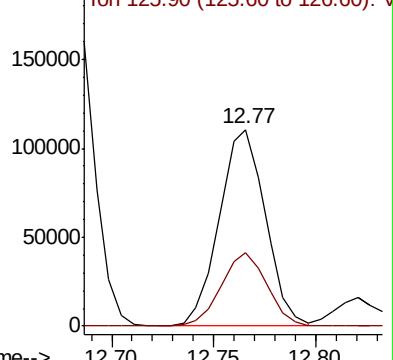
Ion Ratio Lower Upper

91 100

126 37.1 18.8 56.4



Abundance Ion 91.00 (90.70 to 91.70): VY002421.D (-1760) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.483 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002421.D

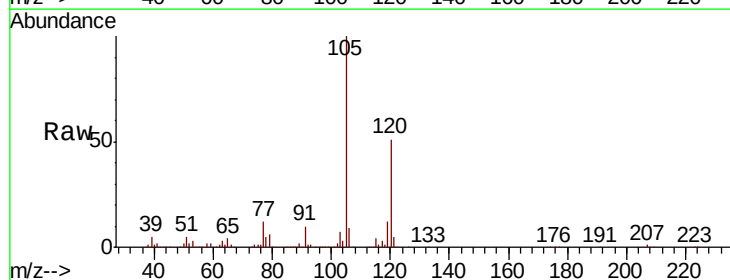
Acq: 20 Apr 2020 13:55

Tgt Ion:105 Resp: 225612

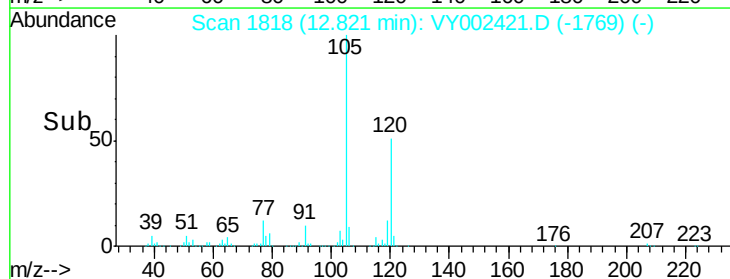
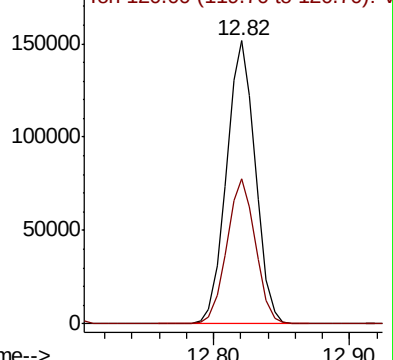
Ion Ratio Lower Upper

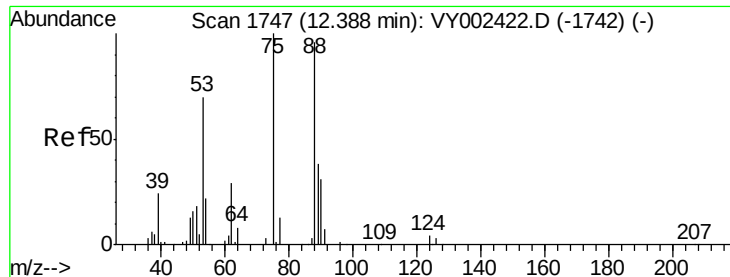
105 100

120 51.0 25.9 77.6



Abundance Ion 105.00 (104.70 to 105.70): VY002421.D (-1769) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.426 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

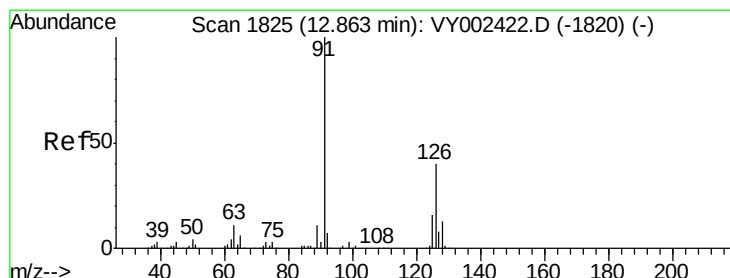
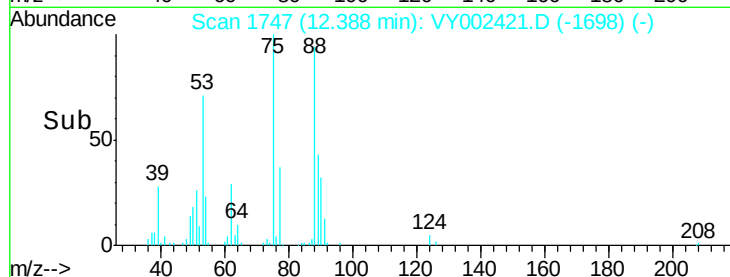
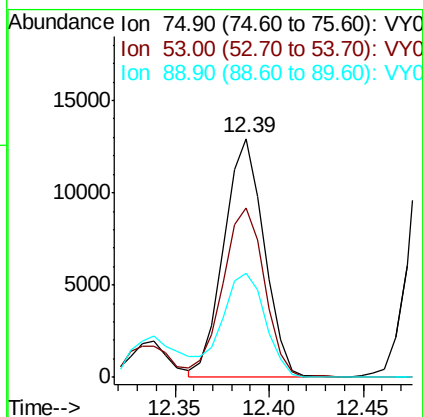
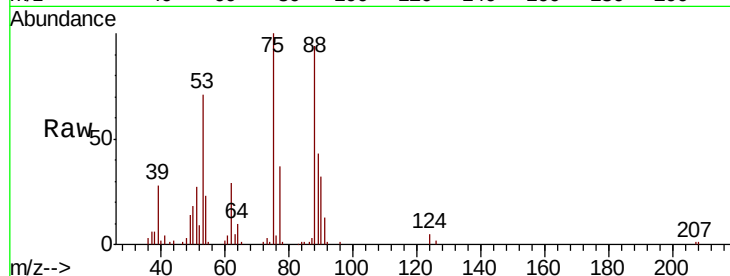
Tot Ion: 75 Resp: 19222

Ion Ratio Lower Upper

75 100

53 73.4 58.7 88.1

89 47.8 37.9 56.9



#82

4-Chlorotoluene

Concen: 16.643 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY002421.D

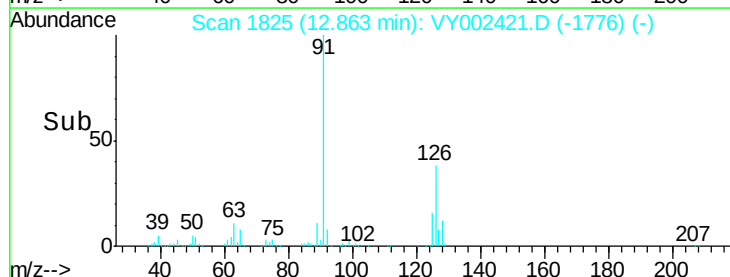
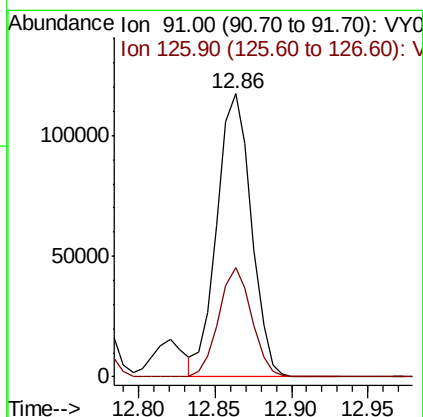
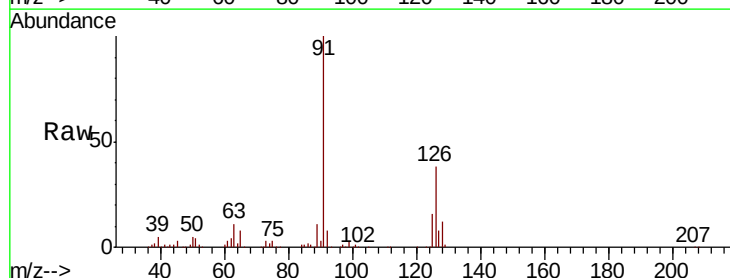
Acq: 20 Apr 2020 13:55

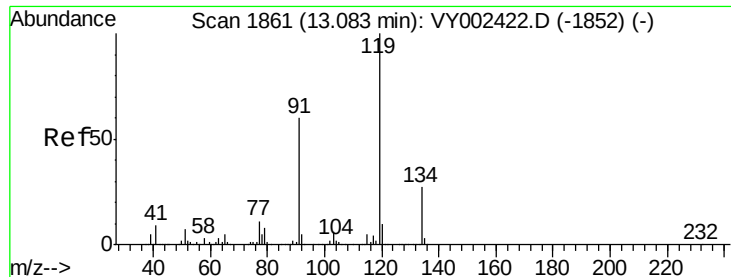
Tgt Ion: 91 Resp: 183063

Ion Ratio Lower Upper

91 100

126 37.0 0.0 0.0#

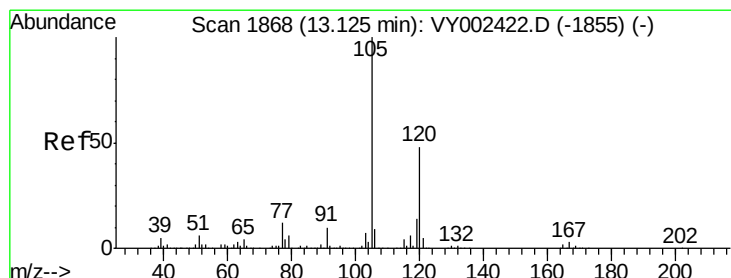
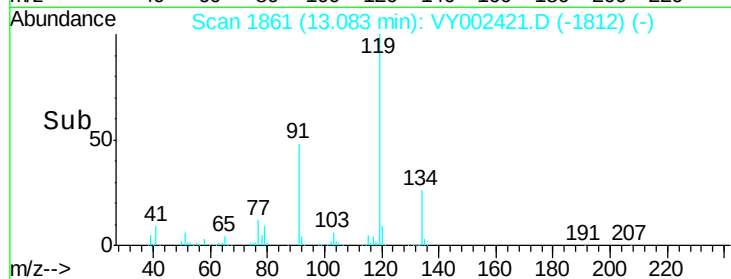
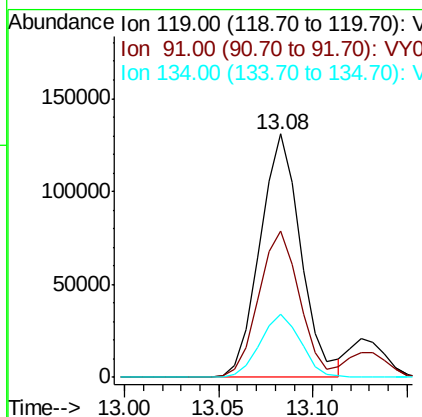
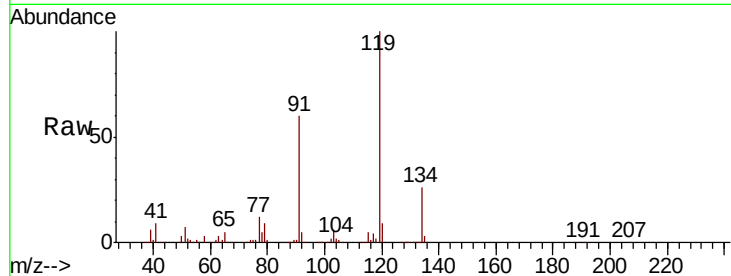




#83
 tert-Butylbenzene
 Concen: 18.157 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

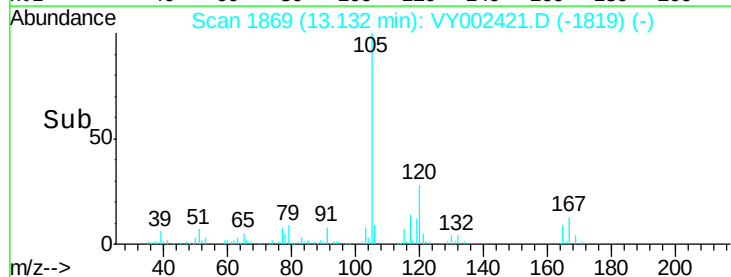
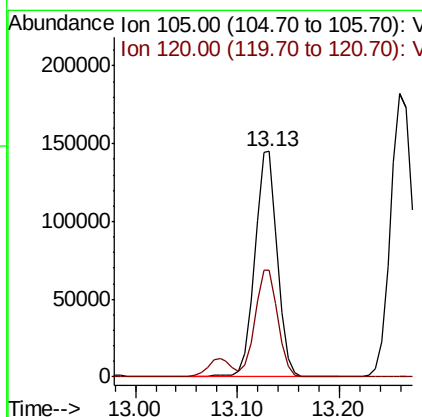
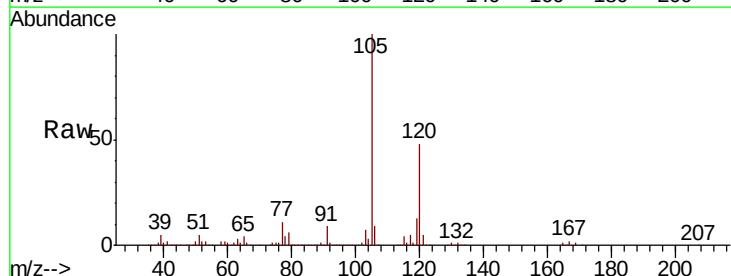
Instrument :
 MSVOA_Y
 ClientSampleId :

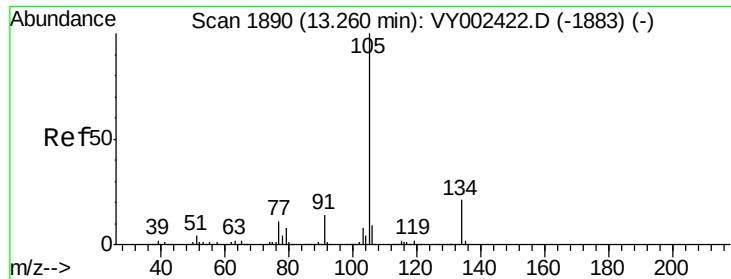
Tot Ion:119 Resp: 197019
 Ion Ratio Lower Upper
 119 100
 91 59.7 30.2 90.6
 134 26.0 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 17.398 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

Tgt Ion:105 Resp: 224340
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.9 71.7





#85

sec-Butylbenzene

Concen: 17.309 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

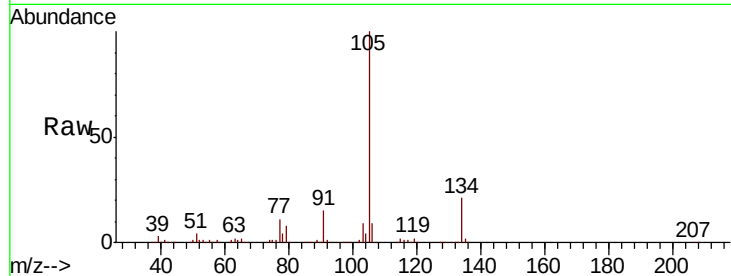
ClientSampled :

Tot Ion:105 Resp: 279084

Ion Ratio Lower Upper

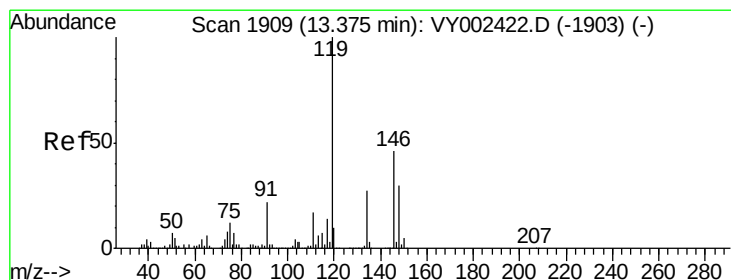
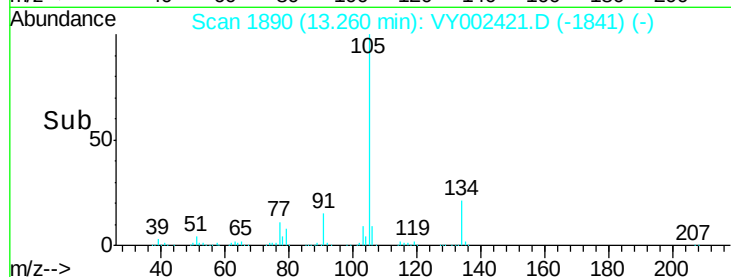
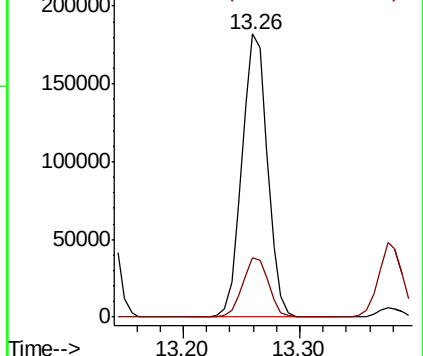
105 100

134 21.2 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.140 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

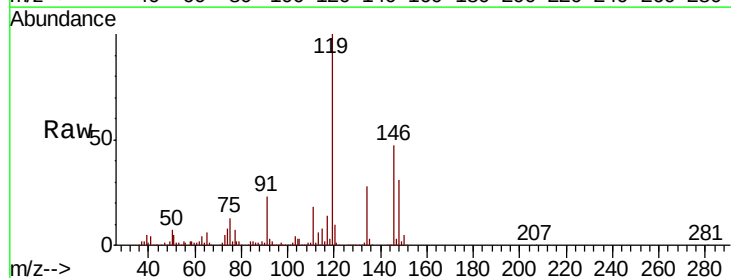
Tgt Ion:119 Resp: 253169

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

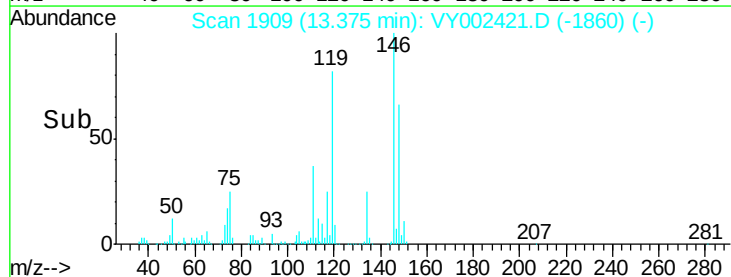
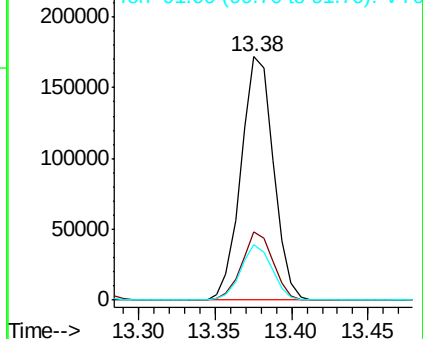
91 21.9 10.7 32.1

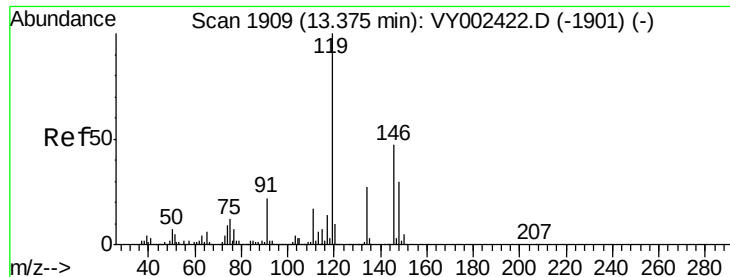


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 18.841 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

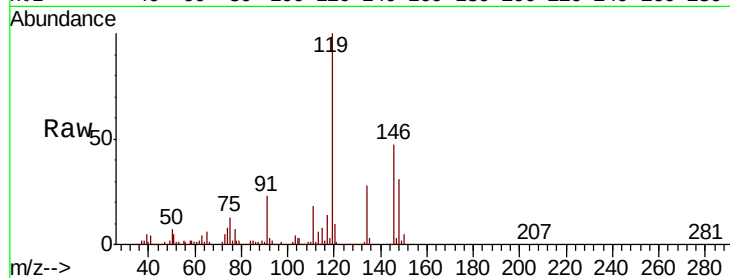
Tot Ion:146 Resp: 127422

Ion Ratio Lower Upper

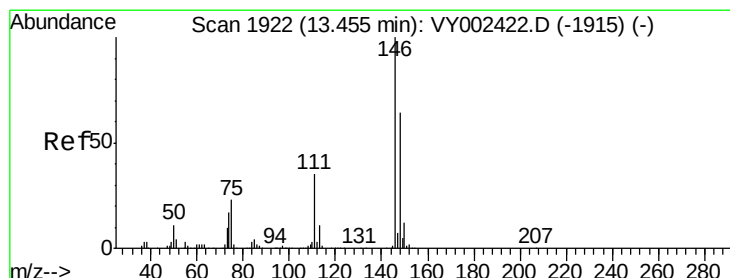
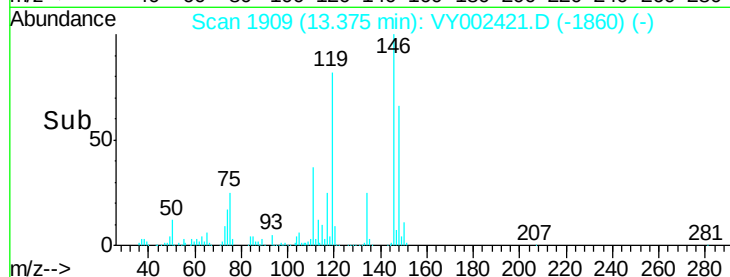
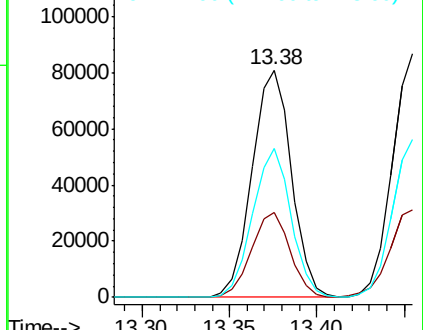
146 100

111 36.9 18.6 55.8

148 63.8 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.571 ug/l

RT: 13.45 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

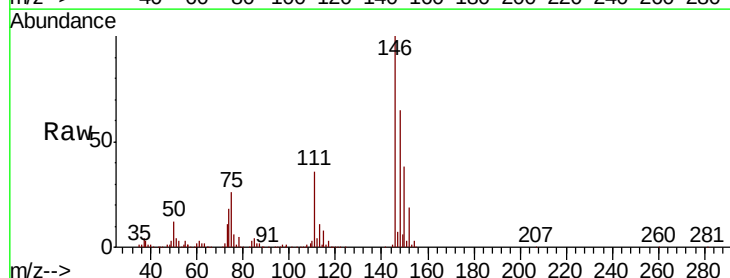
Tgt Ion:146 Resp: 127651

Ion Ratio Lower Upper

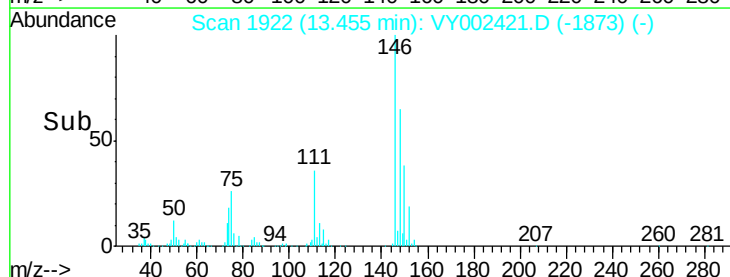
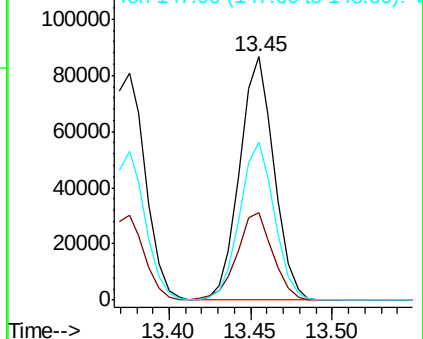
146 100

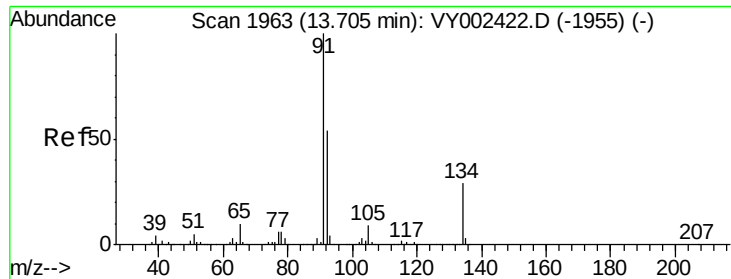
111 37.5 17.9 53.8

148 65.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

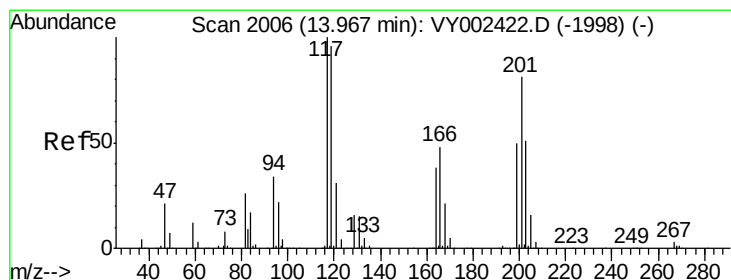
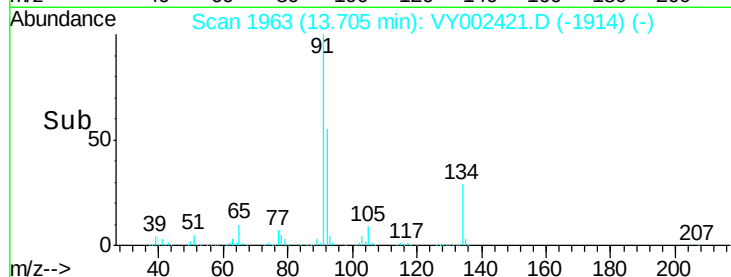
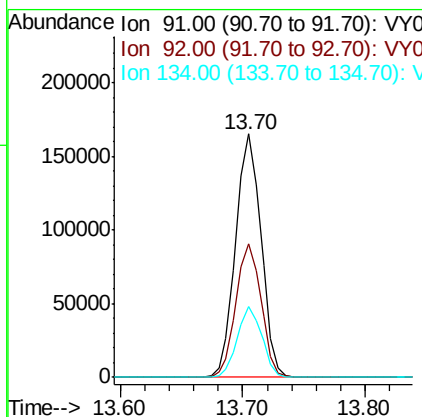
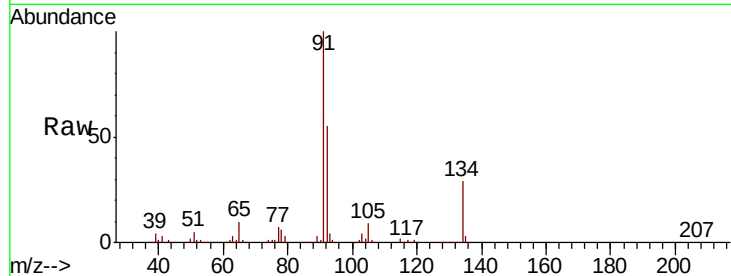




#89
n-Butylbenzene
Concen: 16.752 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

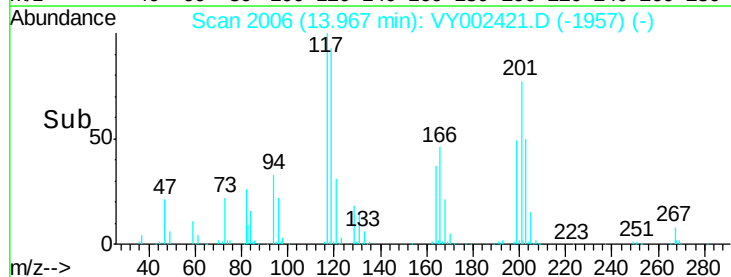
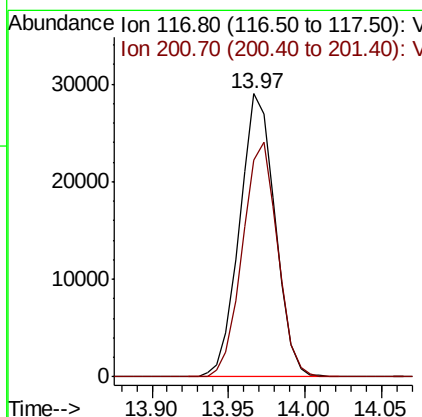
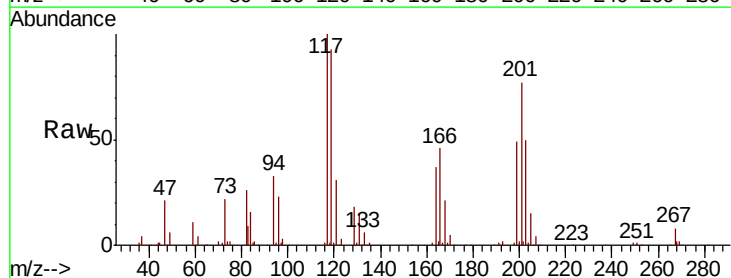
Instrument :
MSVOA_Y
ClientSampled :

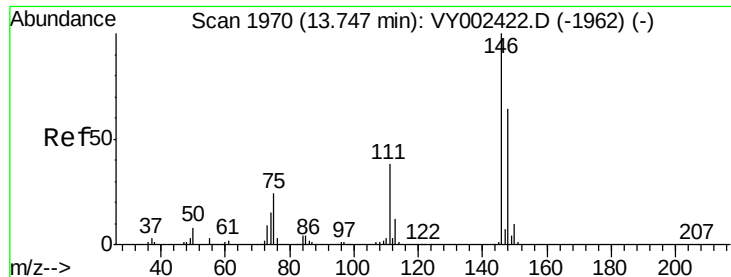
Tot Ion: 91 Resp: 236869
Ion Ratio Lower Upper
91 100
92 54.4 26.8 80.4
134 28.3 14.4 43.2



#90
Hexachloroethane
Concen: 17.564 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY002421.D
Acq: 20 Apr 2020 13:55

Tgt Ion: 117 Resp: 46618
Ion Ratio Lower Upper
117 100
201 82.1 42.5 127.5

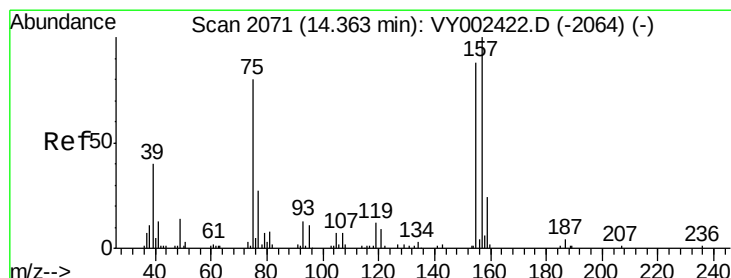
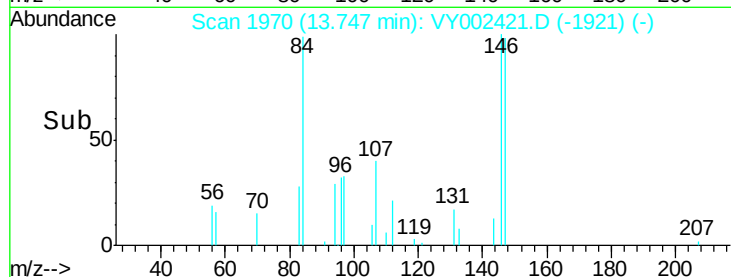
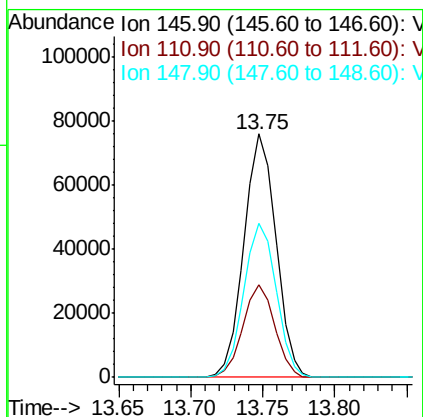
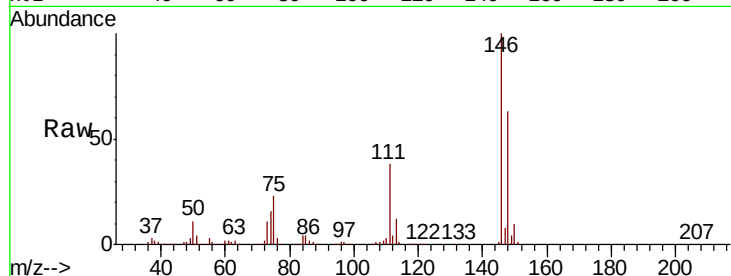




#91
 1,2-Dichlorobenzene
 Concen: 19.054 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

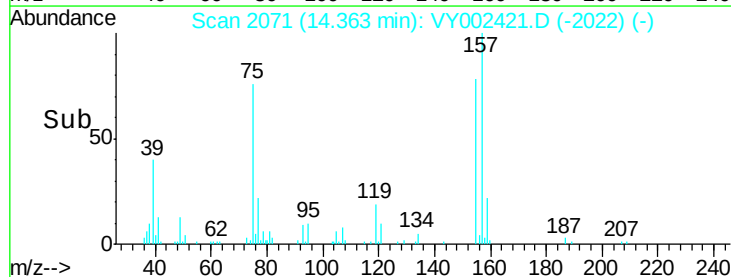
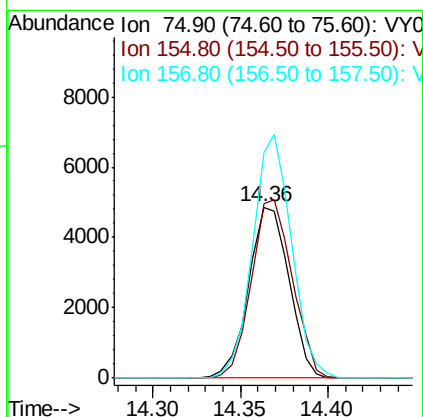
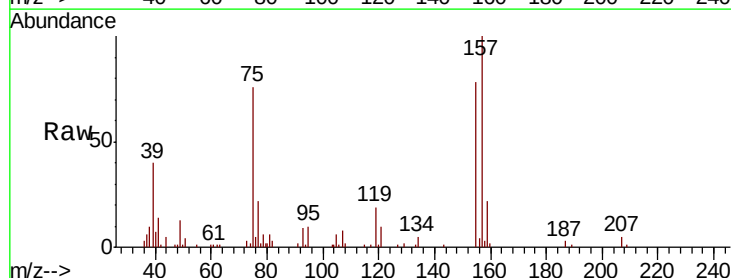
Instrument :
 MSVOA_Y
 ClientSampleId :

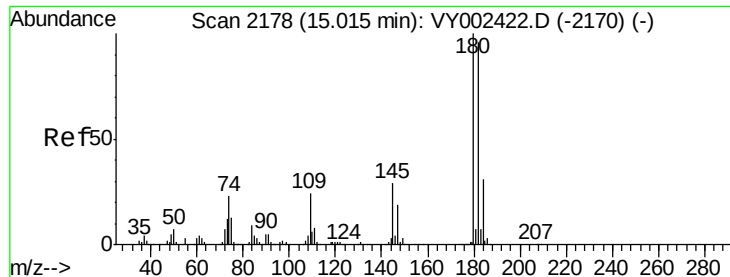
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.5
148	64.1	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.231 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.5	56.1	168.3
157	136.4	71.5	214.5

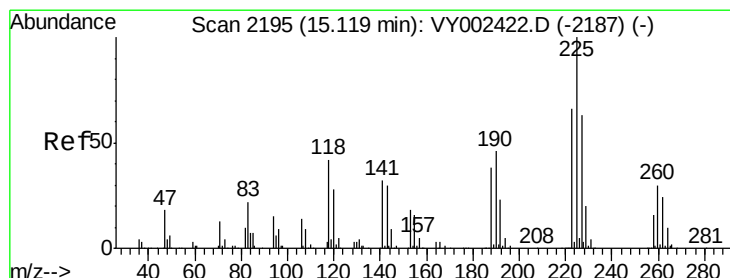
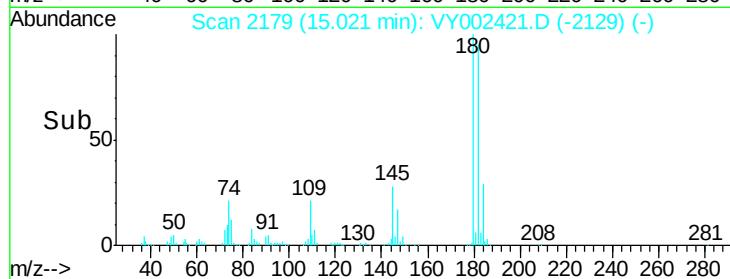
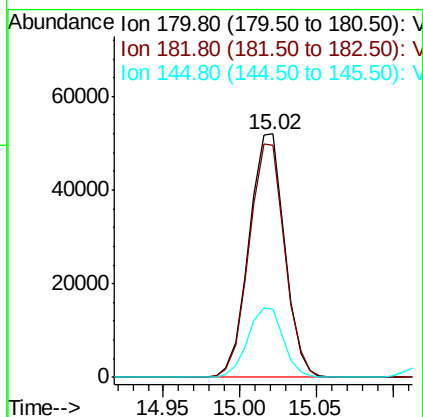
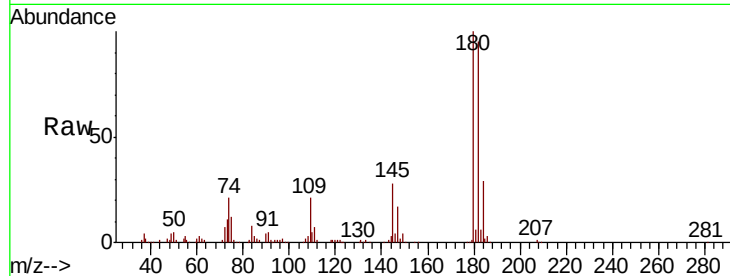




#93
 1,2,4-Trichlorobenzene
 Concen: 20.585 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

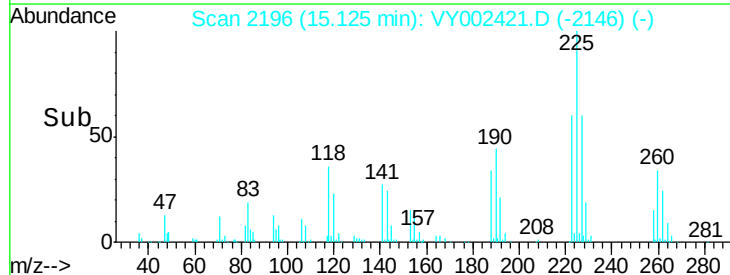
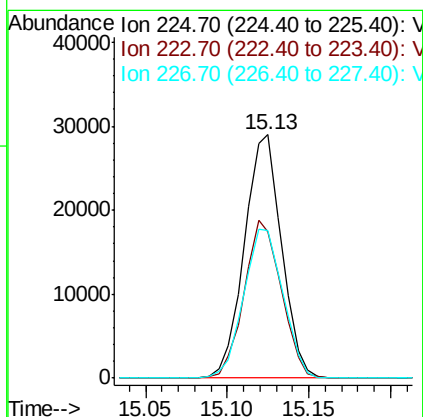
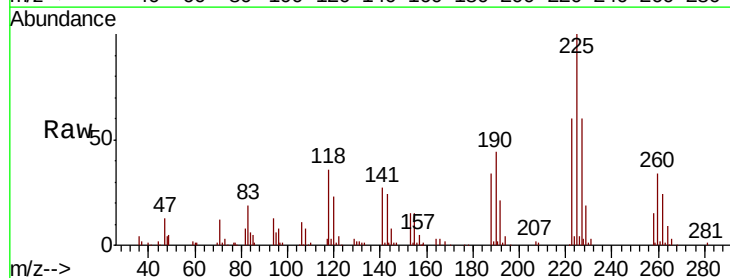
Instrument :
 MSVOA_Y
 ClientSampleId :

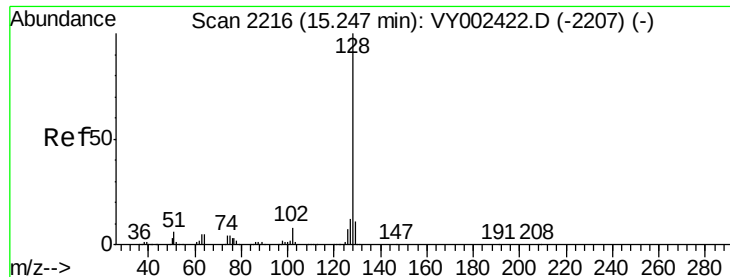
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.3
145	28.5	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 22.083 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002421.D
 Acq: 20 Apr 2020 13:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	32.0	96.0
227	64.6	31.6	95.0





#95

Naphthalene

Concen: 18.586 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

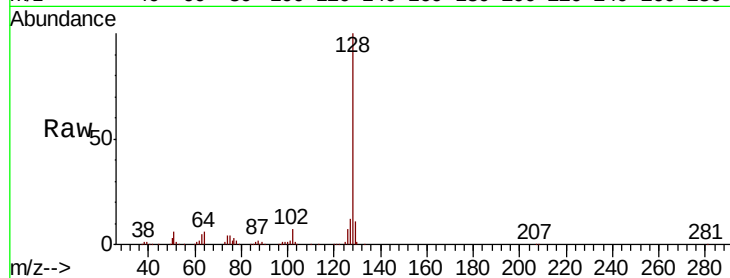
Tot Ion:128 Resp: 162702

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

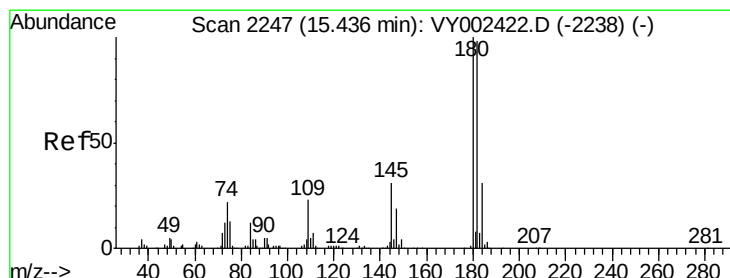
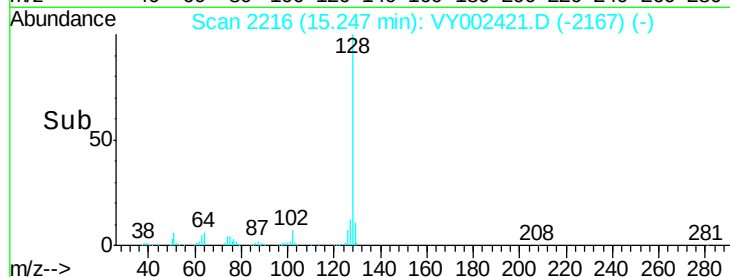
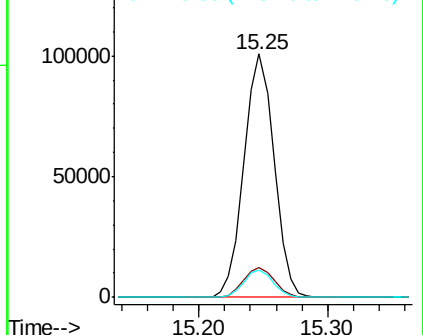
129 11.0 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.072 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY002421.D

Acq: 20 Apr 2020 13:55

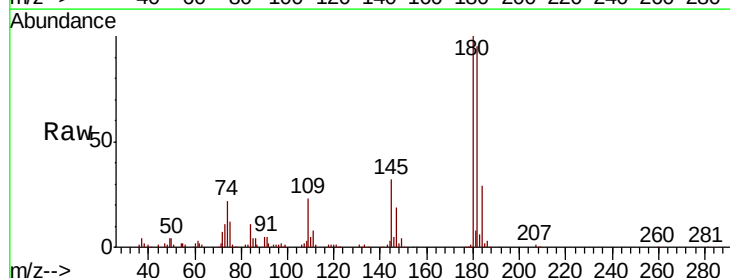
Tgt Ion:180 Resp: 71251

Ion Ratio Lower Upper

180 100

182 96.3 47.2 141.6

145 31.3 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

