

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
 Data File : VY003748.D
 Acq On : 14 Dec 2020 14:19
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV99

Quant Time: Dec 15 03:23:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 14 13:46:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	350972	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	326247	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	171572	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	118485	24.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.96%
7) Chloroethane-d5	2.77	69	87196	24.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.68%
10) 1,1-Dichloroethene-d2	3.86	63	243789	24.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.88%
20) 2-Butanone-d5	6.90	46	96654	46.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.62%
24) Chloroform-d	7.49	84	224157	24.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	8.15	65	123378	23.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.76%
29) Benzene-d6	8.12	84	465379	24.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.56%
33) 1,2-Dichloropropane-d6	9.12	67	143194	24.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.40%
37) Toluene-d8	10.18	98	422129	24.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.80%
38) trans-1,3-Dichloropropene-	10.44	79	72084	25.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.60%
39) 2-Hexanone-d5	10.79	63	77226	47.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.26%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	125530	24.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.68%
61) 1,2-Dichlorobenzene-d4	13.72	152	152179	24.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	143138	23.897	ug/L 99
3) Chloromethane	2.12	50	131832	24.093	ug/L 99
5) Vinyl chloride	2.26	62	134917	24.544	ug/L 98
6) Bromomethane	2.66	94	84785	25.228	ug/L 100
8) Chloroethane	2.80	64	81084	25.245	ug/L 98
9) Trichlorofluoromethane	3.14	101	204977	24.408	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	125334	24.561	ug/L 99
12) 1,1-Dichloroethene	3.89	96	120354	24.811	ug/L 82
13) Acetone	3.96	43	66084	45.920	ug/L 98
14) Carbon disulfide	4.20	76	428922	25.129	ug/L 99
15) Methyl Acetate	4.49	43	85887	22.913	ug/L 98
16) Methylene chloride	4.73	84	144773	22.977	ug/L 97
17) Methyl tert-butyl Ether	5.23	73	342639	25.175	ug/L 99
18) trans-1,2-Dichloroethene	5.23	96	132048	25.129	ug/L 97
19) 1,1-Dichloroethane	6.03	63	230389	25.351	ug/L 99
21) 2-Butanone	7.00	43	114303	45.695	ug/L 99
22) cis-1,2-Dichloroethene	7.00	96	141773	25.443	ug/L 99

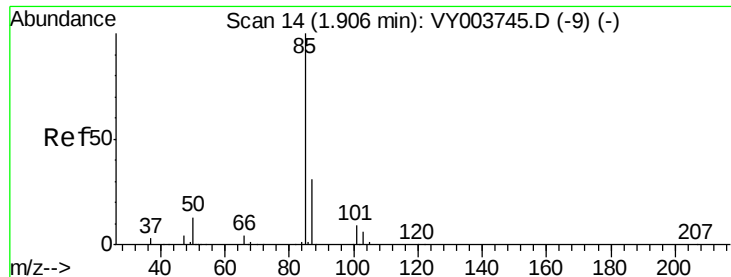
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
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 Quant Title : VOC Analysis
 QLast Update : Mon Dec 14 13:46:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	66782	24.932	ug/L	93
25) Chloroform	7.51	83	223536	25.012	ug/L	99
27) 1,2-Dichloroethane	8.25	62	157162	25.374	ug/L	99
30) Cyclohexane	7.80	56	227404	25.393	ug/L	100
31) 1,1,1-Trichloroethane	7.71	97	200959	25.189	ug/L	99
32) Carbon tetrachloride	7.90	117	178342	25.316	ug/L	99
34) Benzene	8.17	78	531386	25.599	ug/L	100
35) Trichloroethene	8.95	95	142171	25.517	ug/L	100
36) Methylcyclohexane	9.19	83	239123	25.336	ug/L	99
40) 1,2-Dichloropropane	9.22	63	136654	25.400	ug/L	100
41) Bromodichloromethane	9.50	83	171270	25.427	ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	220349	25.775	ug/L	96
43) 4-Methyl-2-pentanone	10.08	43	248933	47.717	ug/L	100
44) Toluene	10.25	91	568624	25.789	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	200549	25.637	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	110665	25.399	ug/L	98
47) Tetrachloroethene	10.72	164	109117	24.630	ug/L	97
49) 2-Hexanone	10.83	43	173314	48.411	ug/L	99
50) Dibromochloromethane	10.98	129	130700	25.606	ug/L	99
51) 1,2-Dibromoethane	11.09	107	110222	25.534	ug/L	100
52) Chlorobenzene	11.52	112	359027	25.441	ug/L	98
53) Ethylbenzene	11.59	91	622948	25.858	ug/L	99
54) m,p-Xylene	11.70	106	239466	25.770	ug/L	98
55) o-xylene	12.03	106	228046	26.152	ug/L	98
56) Styrene	12.04	104	393192	26.412	ug/L	99
57) Isopropylbenzene	12.33	105	603237	25.907	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	123299	24.222	ug/L	97
59) 1,2,3-Trichloropropane	12.64	75	104660	24.371	ug/L	100
62) Bromoform	12.21	173	86028	24.352	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	279309	25.178	ug/L	98
64) 1,4-Dichlorobenzene	13.45	146	281326	24.951	ug/L	100
65) 1,2-Dichlorobenzene	13.74	146	259775	25.376	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.35	75	22820	22.673	ug/L	97
67) 1,3,5-Trichlorobenzene	14.50	180	194911	25.236	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	165853	25.176	ug/L	100
69) Naphthalene	15.23	128	375522	24.984	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	148817	24.838	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 23.897 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

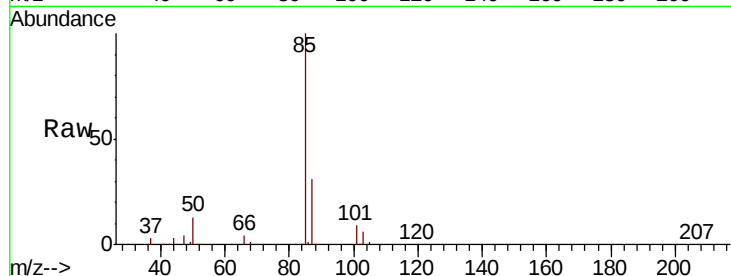
VICV99

Tot Ion: 85 Resp: 143138

Ion Ratio Lower Upper

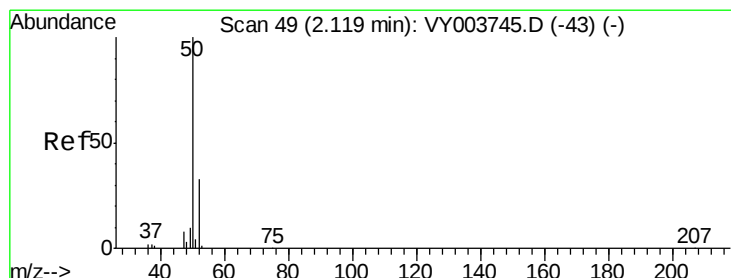
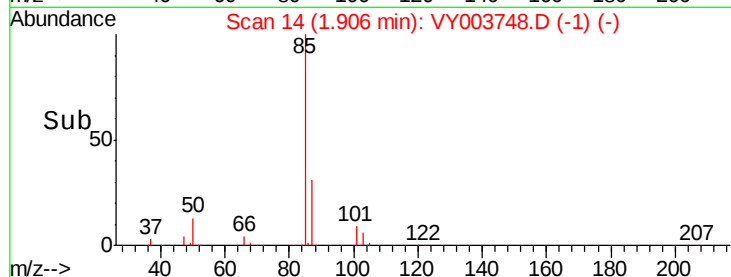
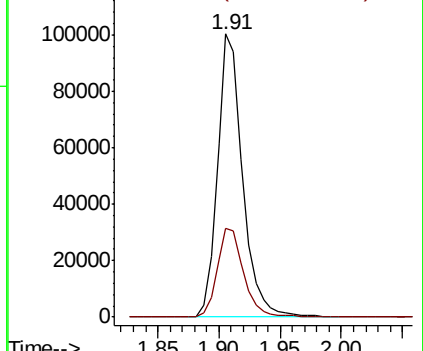
85 100

87 33.2 22.7 42.3



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 24.093 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003748.D

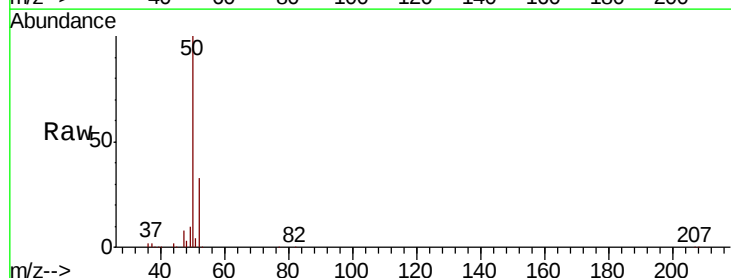
Acq: 14 Dec 2020 14:19

Tgt Ion: 50 Resp: 131832

Ion Ratio Lower Upper

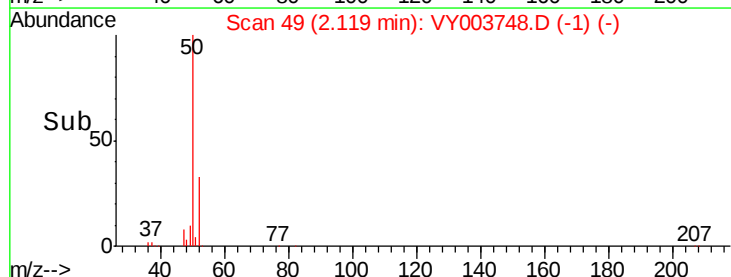
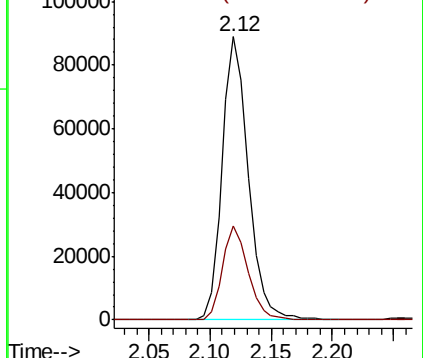
50 100

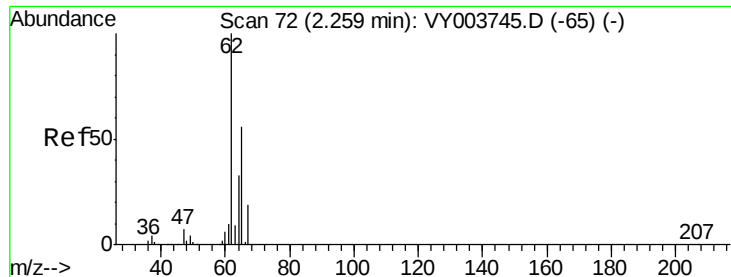
52 33.2 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 24.544 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

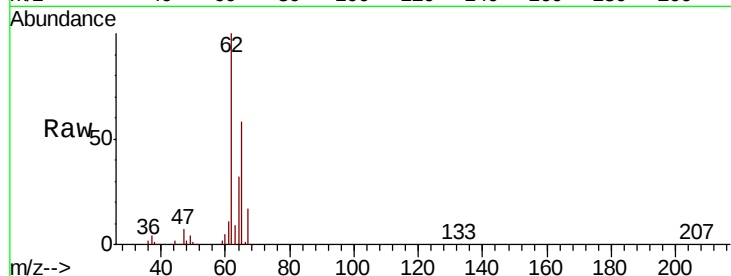
VICV99

Tot Ion: 62 Resp: 134917

Ion Ratio Lower Upper

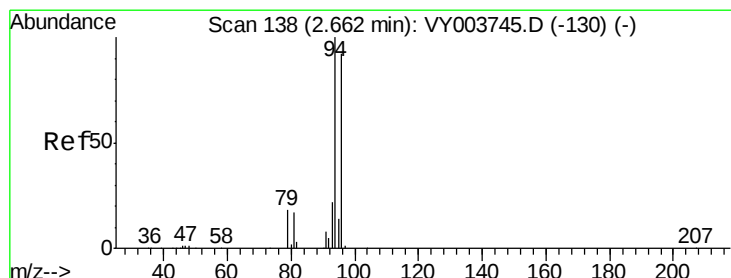
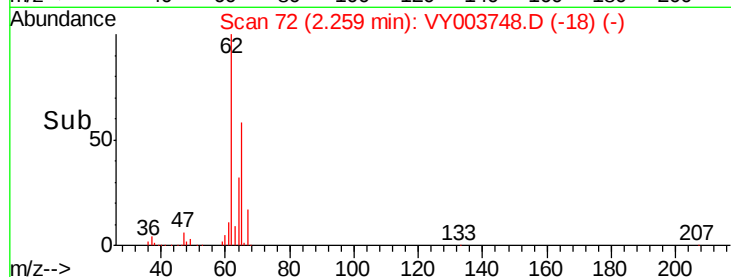
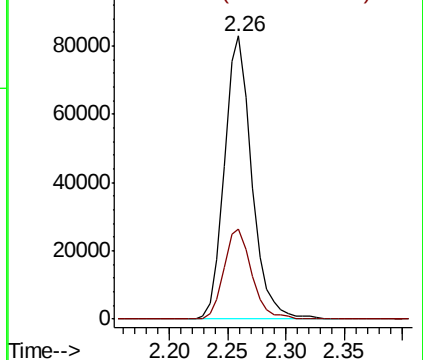
62 100

64 31.9 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 25.228 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.00 min

Lab File: VY003748.D

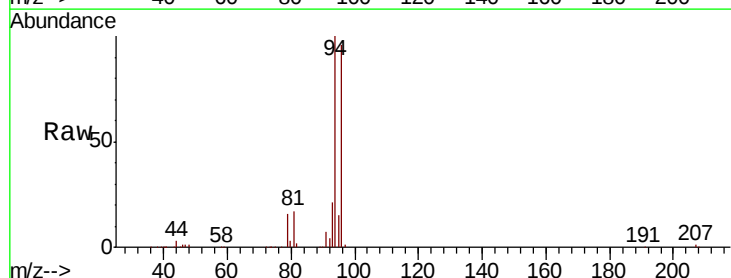
Acq: 14 Dec 2020 14:19

Tgt Ion: 94 Resp: 84785

Ion Ratio Lower Upper

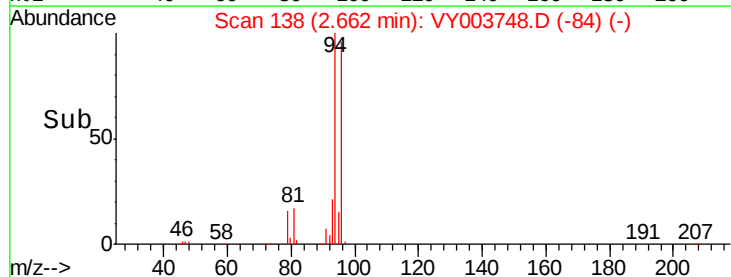
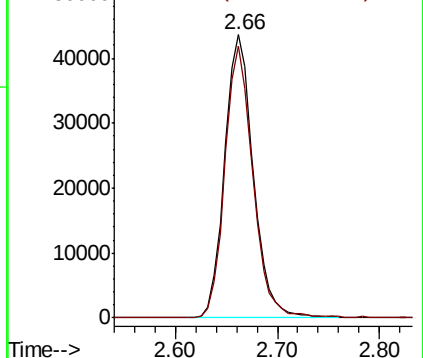
94 100

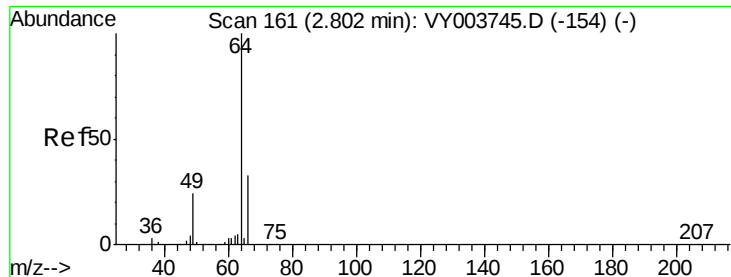
96 93.0 9.3 177.5



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 25.245 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

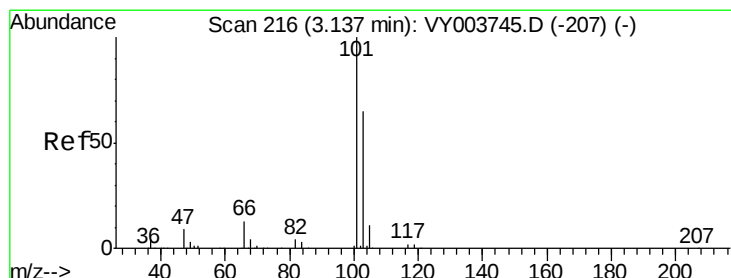
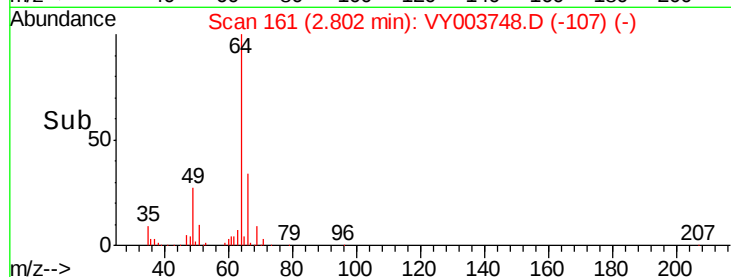
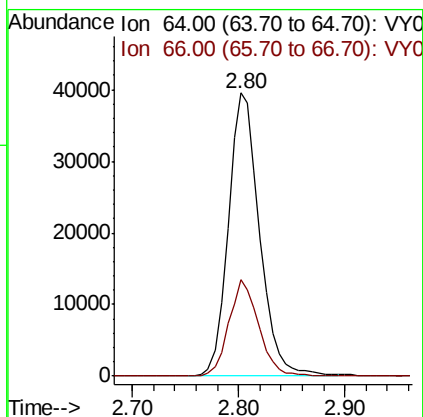
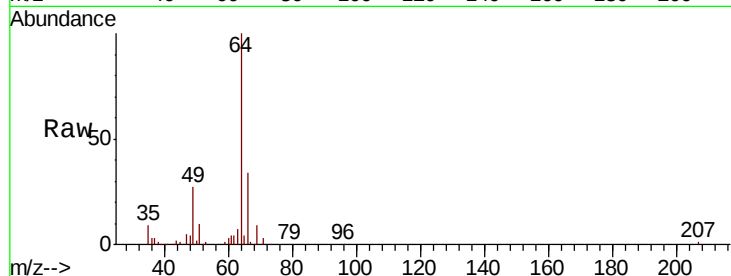
VICV99

Tot Ion: 64 Resp: 81084

Ion Ratio Lower Upper

64 100

66 34.0 23.1 42.9



#9

Trichlorofluoromethane

Concen: 24.408 ug/L

RT: 3.14 min Scan# 216

Delta R.T. 0.00 min

Lab File: VY003748.D

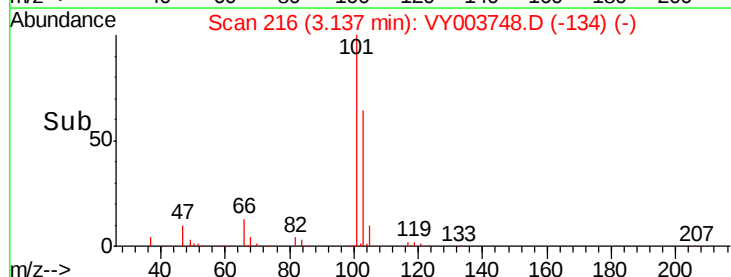
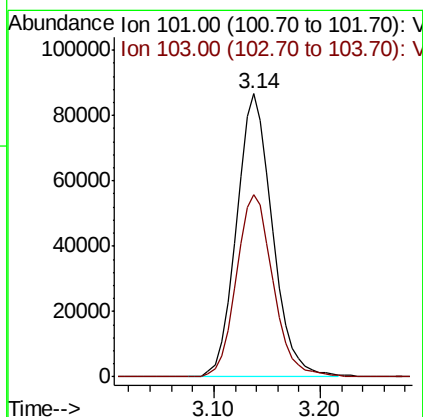
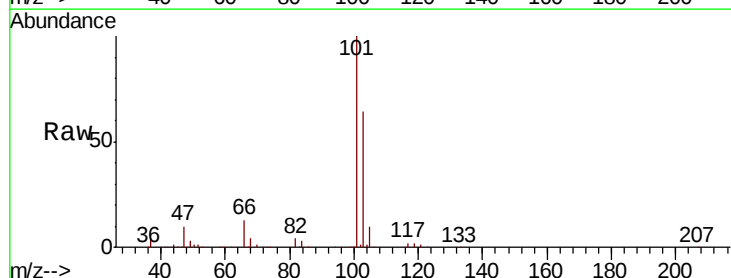
Acq: 14 Dec 2020 14:19

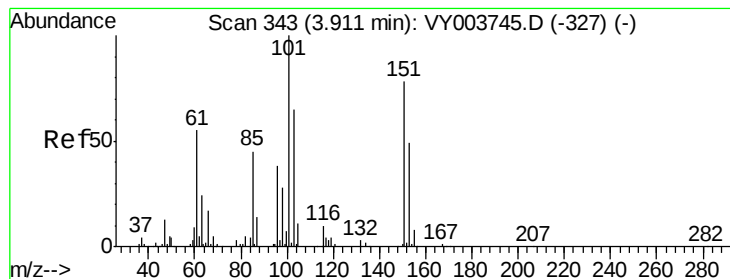
Tgt Ion: 101 Resp: 204977

Ion Ratio Lower Upper

101 100

103 65.7 45.3 84.1





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 24.561 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VICV99

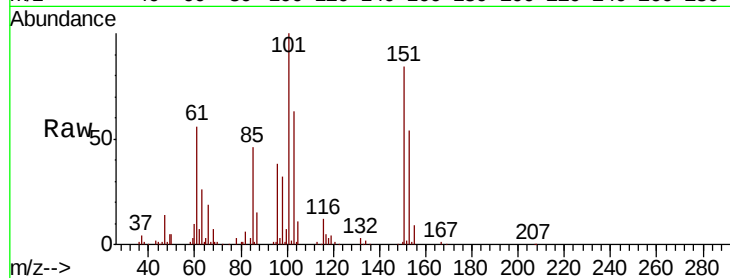
Tot Ion:101 Resp: 125334

Ion Ratio Lower Upper

101 100

85 43.2 33.8 50.6

151 78.7 62.1 93.1



Abundance Ion 101.00 (100.70 to 101.70): VY003748.D (-327) (-)

Ion 85.00 (84.70 to 85.70): VY003748.D (-327) (-)

Ion 151.00 (150.70 to 151.70): VY003748.D (-327) (-)

Time-->

3.91

40000

30000

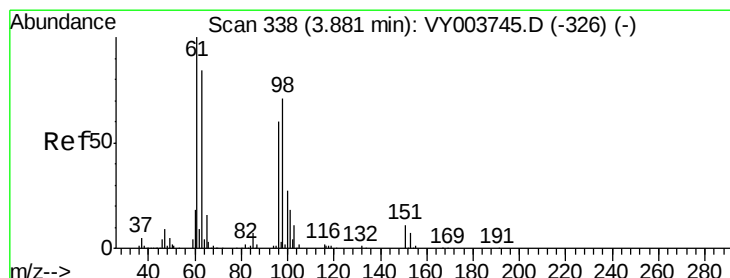
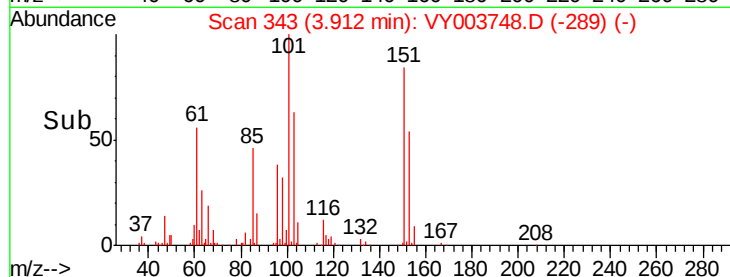
20000

10000

0

3.80 3.90 4.00

Time-->



#12

1,1-Dichloroethene

Concen: 24.811 ug/L

RT: 3.89 min Scan# 339

Delta R.T. 0.01 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

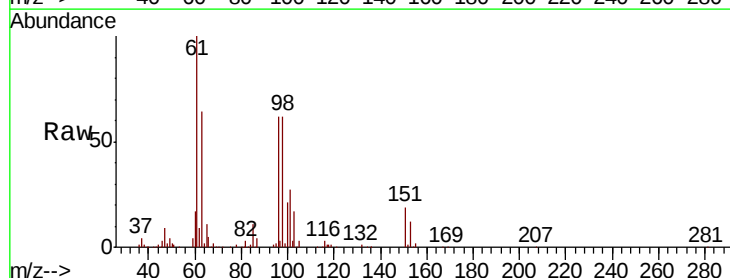
Tgt Ion: 96 Resp: 120354

Ion Ratio Lower Upper

96 100

61 160.1 117.3 217.9

63 102.8 99.5 184.7



Abundance Ion 96.00 (95.70 to 96.70): VY003748.D (-284) (-)

Ion 61.00 (60.70 to 61.70): VY003748.D (-284) (-)

Ion 63.00 (62.70 to 63.70): VY003748.D (-284) (-)

Time-->

3.89

100000

80000

60000

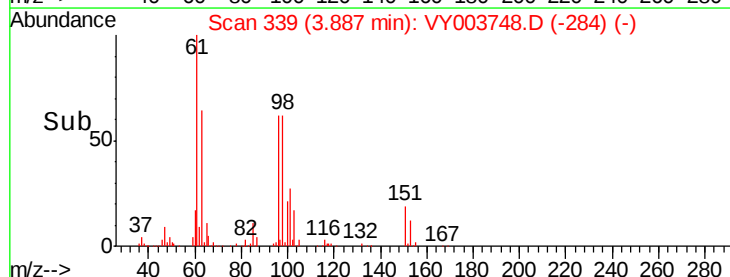
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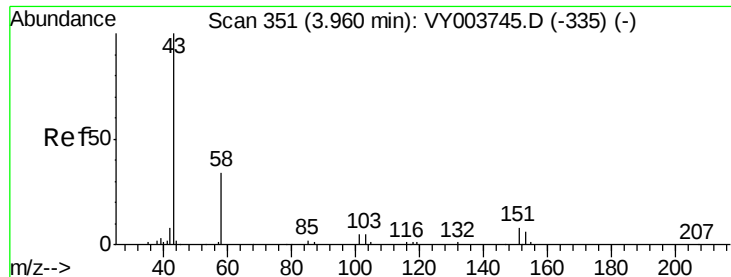
20000

0

3.80 3.90 4.00

Time-->





#13

Acetone

Concen: 45.920 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampled :

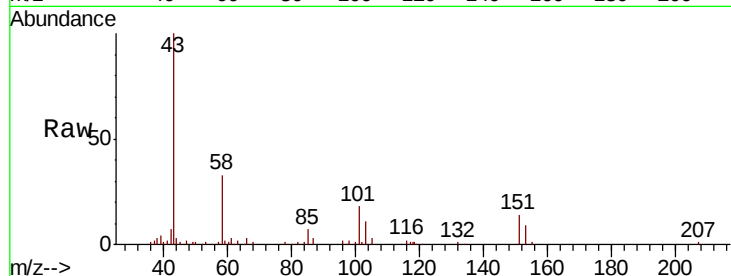
VICV99

Tot Ion: 43 Resp: 66084

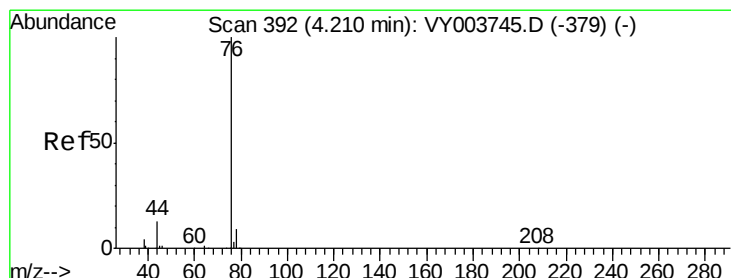
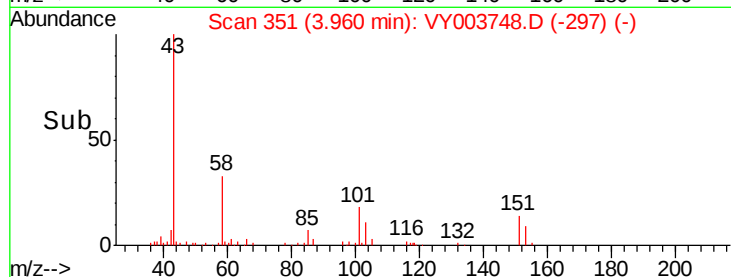
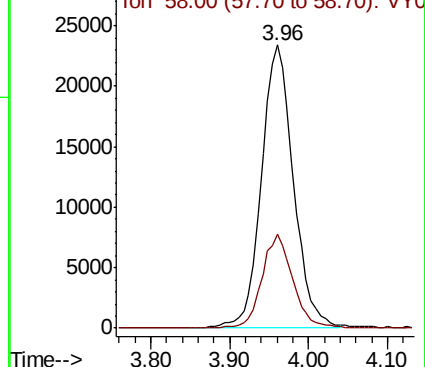
Ion Ratio Lower Upper

43 100

58 31.7 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VY003748.D (-335) (-)



#14

Carbon disulfide

Concen: 25.129 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.01 min

Lab File: VY003748.D

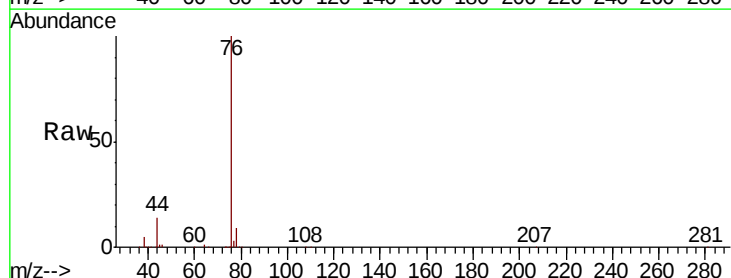
Acq: 14 Dec 2020 14:19

Tgt Ion: 76 Resp: 428922

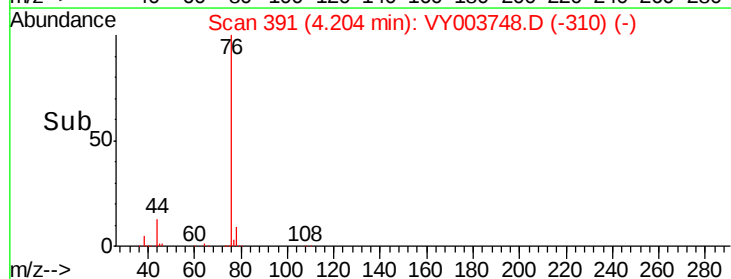
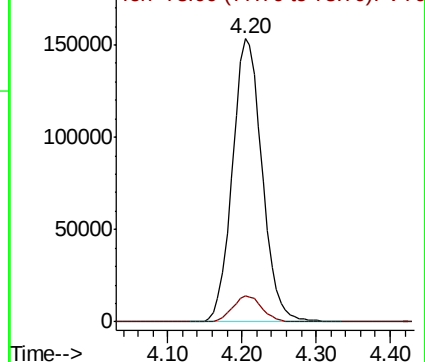
Ion Ratio Lower Upper

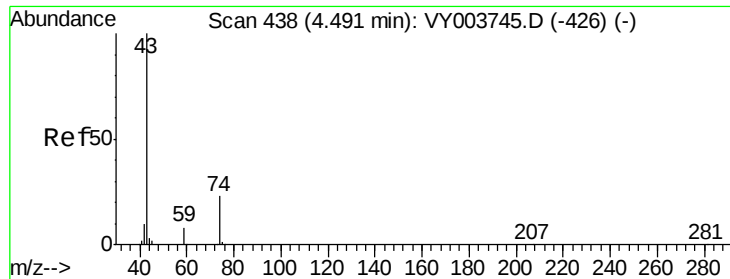
76 100

78 9.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY003748.D (-310) (-)

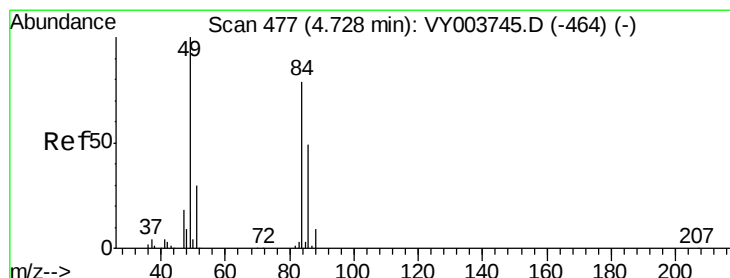
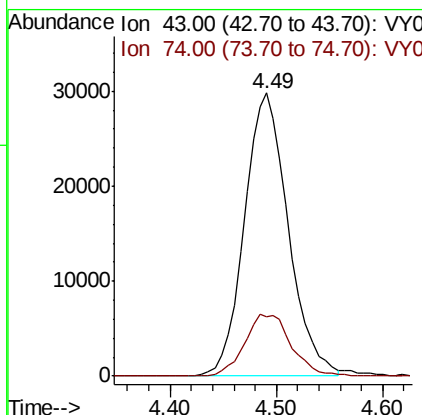
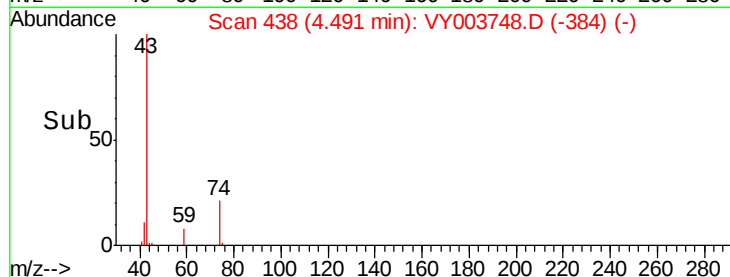
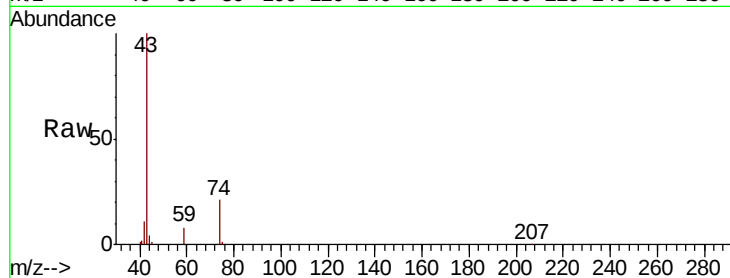




#15
Methyl Acetate
Concen: 22.913 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.00 min
Lab File: VY003748.D
Acq: 14 Dec 2020 14:19

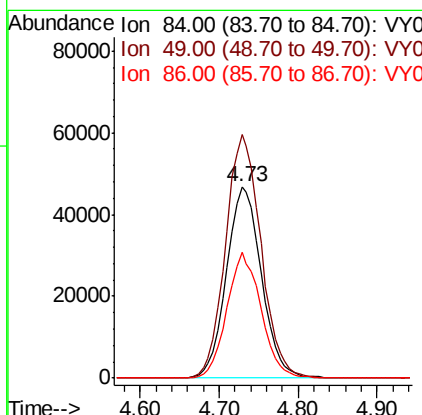
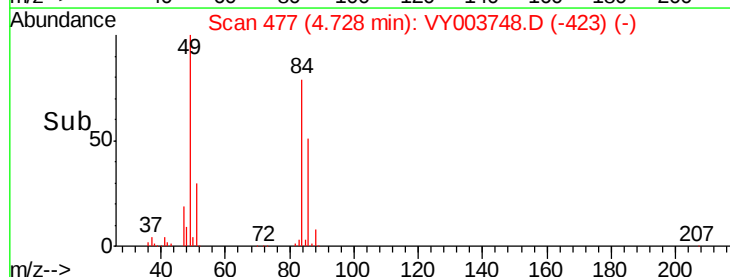
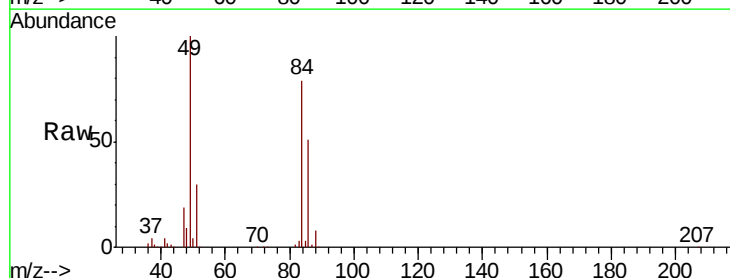
Instrument :
MSVOA_Y
ClientSampled :
VICV99

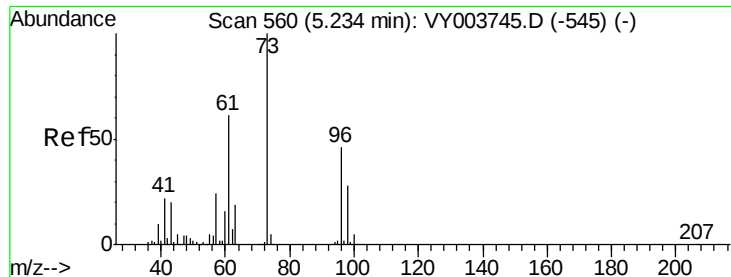
Tot Ion: 43 Resp: 85887
Ion Ratio Lower Upper
43 100
74 23.2 17.7 26.5



#16
Methylene chloride
Concen: 22.977 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003748.D
Acq: 14 Dec 2020 14:19

Tgt Ion: 84 Resp: 144773
Ion Ratio Lower Upper
84 100
49 127.4 88.2 163.8
86 65.6 43.0 79.8

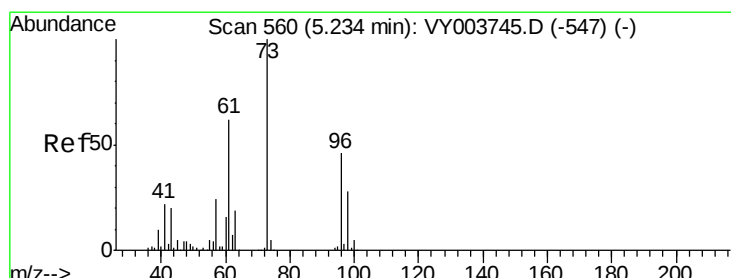
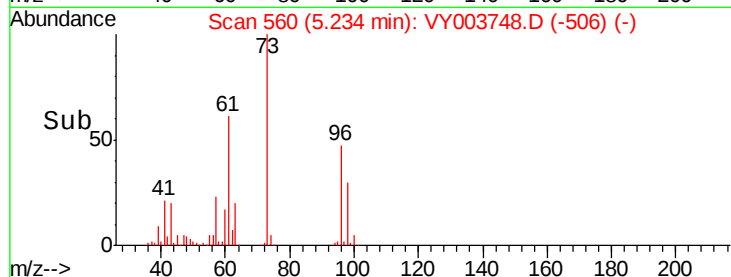
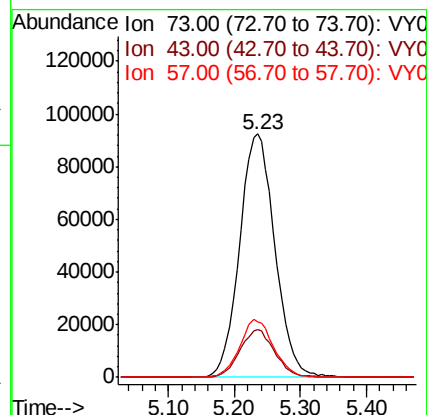
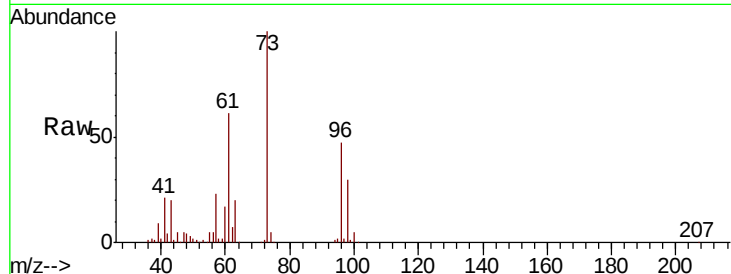




#17
Methvl tert-butvl Ether
Concen: 25.175 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003748.D
Acq: 14 Dec 2020 14:19

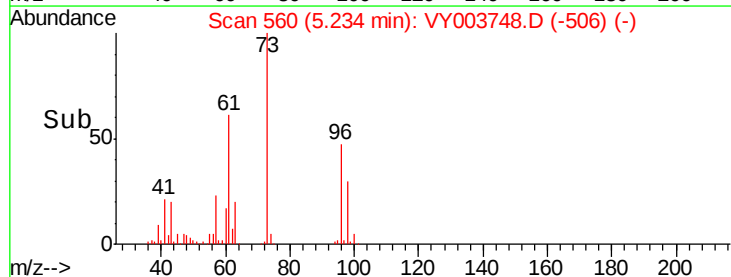
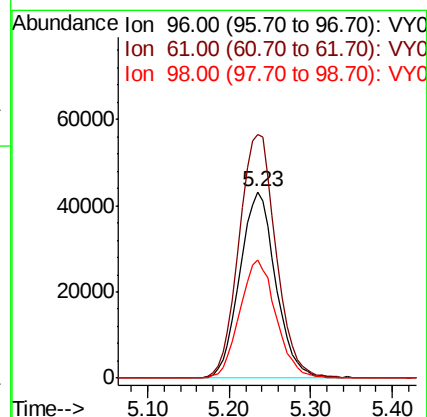
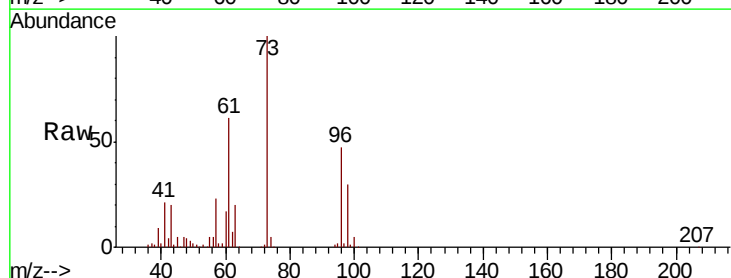
Instrument :
MSVOA_Y
ClientSampleId :
VICV99

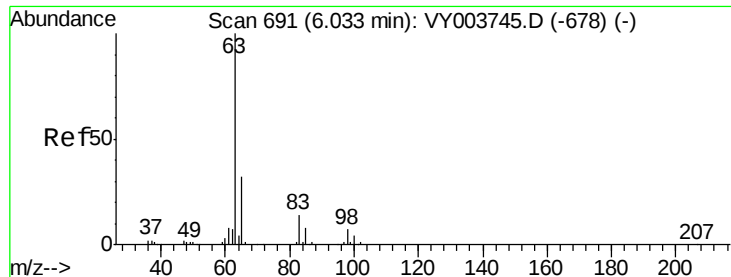
Tot Ion	Ratio	Lower	Upper
73	100		
43	19.3	15.5	23.3
57	22.8	18.6	27.8



#18
trans-1,2-Dichloroethene
Concen: 25.129 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003748.D
Acq: 14 Dec 2020 14:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.6	93.9	174.5
98	63.3	43.5	80.7

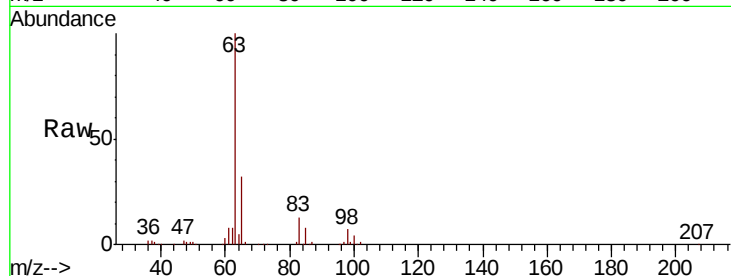




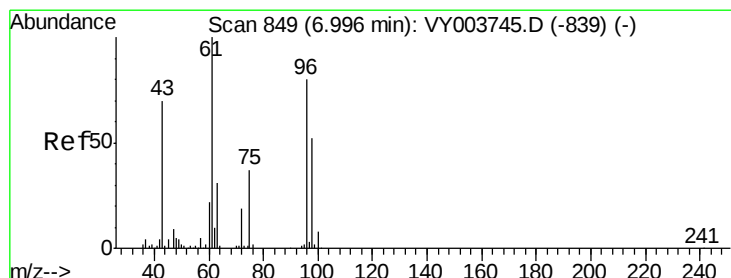
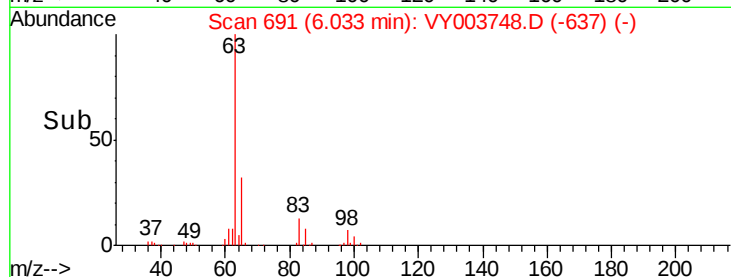
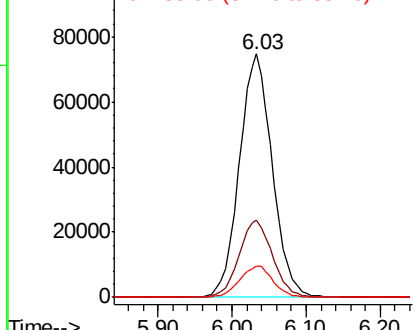
#19
 1,1-Dichloroethane
 Concen: 25.351 ug/L
 RT: 6.03 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VY003748.D
 Acq: 14 Dec 2020 14:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV99

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.3	41.3
83	12.8	9.4	17.6

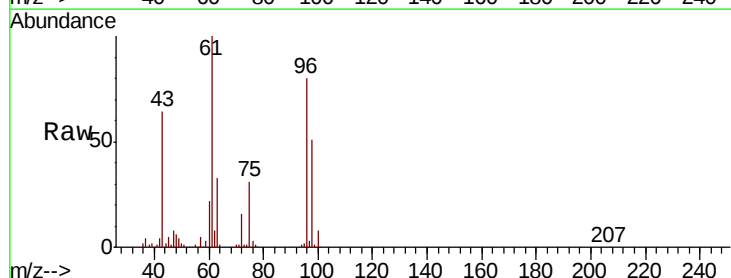


Abundance Ion 63.00 (62.70 to 63.70): VY0
 Ion 65.00 (64.70 to 65.70): VY0
 Ion 83.00 (82.70 to 83.70): VY0

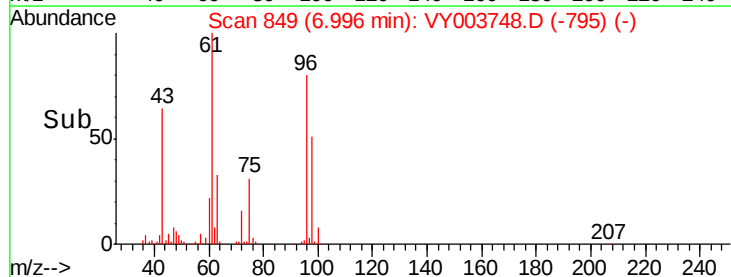
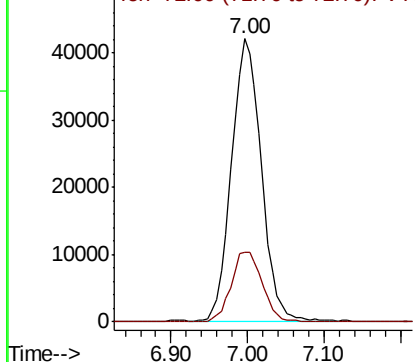


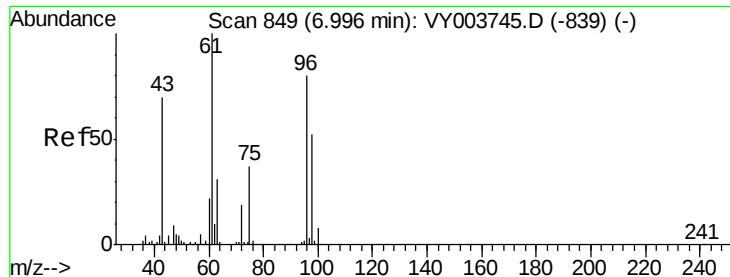
#21
 2-Butanone
 Concen: 45.695 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003748.D
 Acq: 14 Dec 2020 14:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.5	13.0	39.0



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 72.00 (71.70 to 72.70): VY0



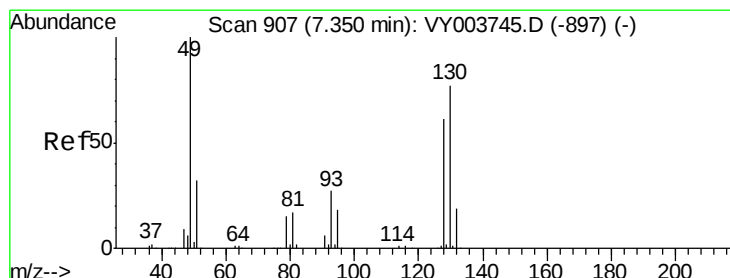
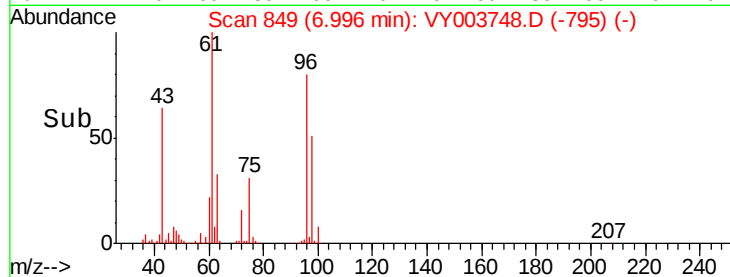
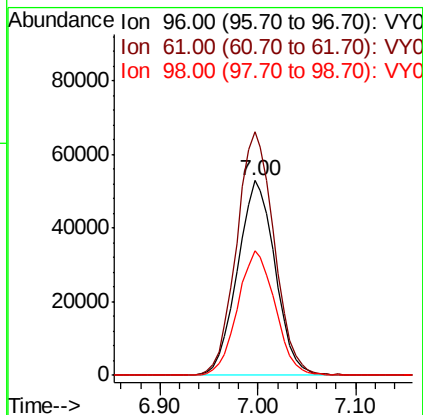
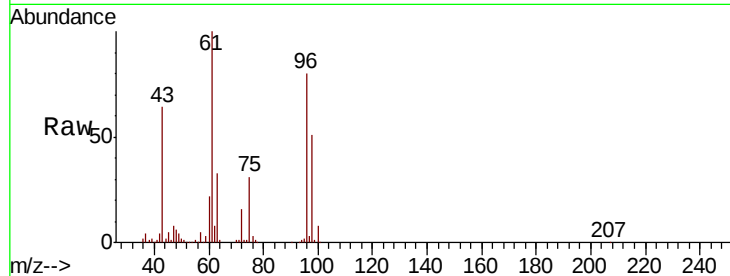


#22

cis-1,2-Dichloroethene
 Concen: 25.443 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003748.D
 Acq: 14 Dec 2020 14:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV99

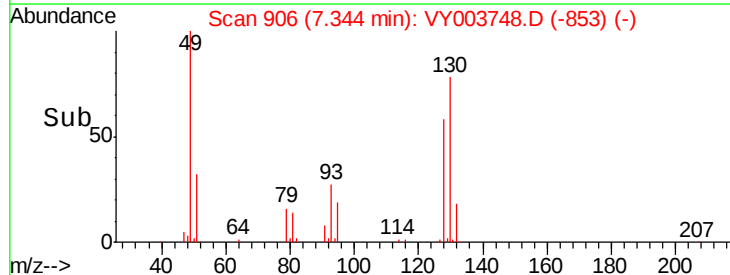
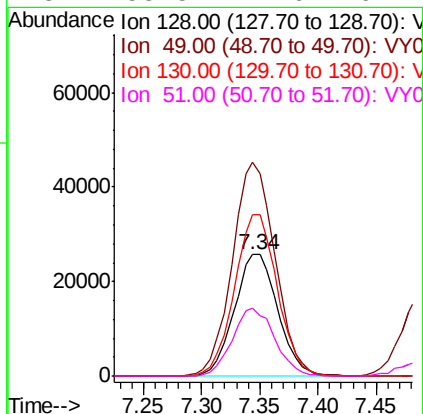
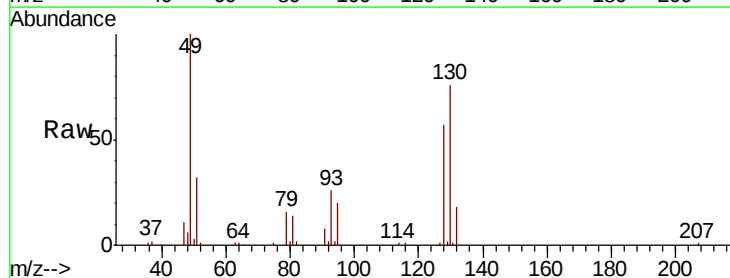
Tot Ion: 96 Resp: 141773
 Ion Ratio Lower Upper
 96 100
 61 125.1 88.0 163.4
 98 64.2 45.4 84.4

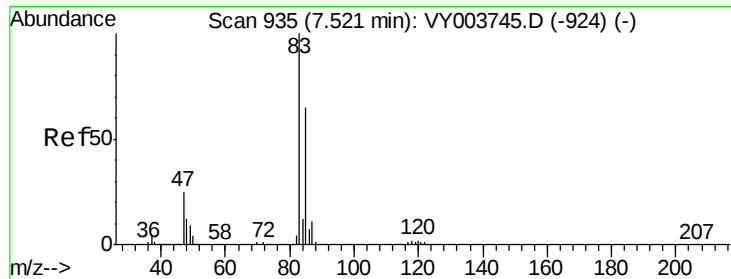


#23

Bromochloromethane
 Concen: 24.932 ug/L
 RT: 7.34 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: VY003748.D
 Acq: 14 Dec 2020 14:19

Tgt Ion: 128 Resp: 66782
 Ion Ratio Lower Upper
 128 100
 49 175.9 115.1 213.8
 130 133.3 88.9 165.1
 51 55.5 41.6 62.4

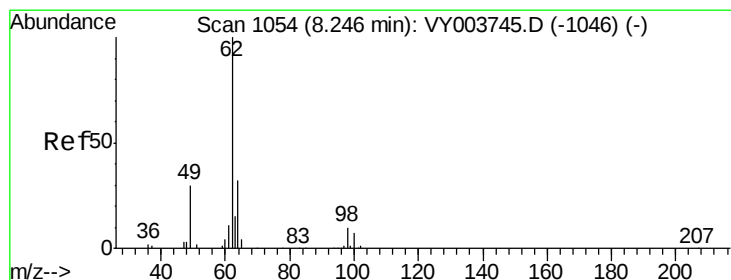
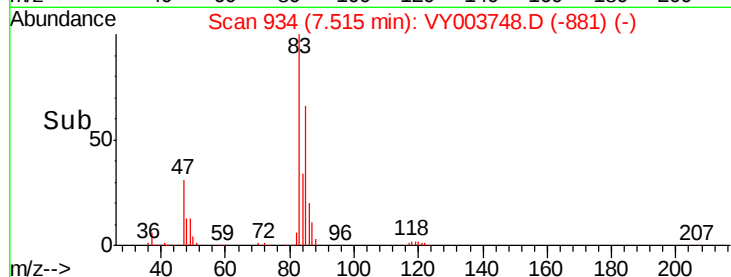
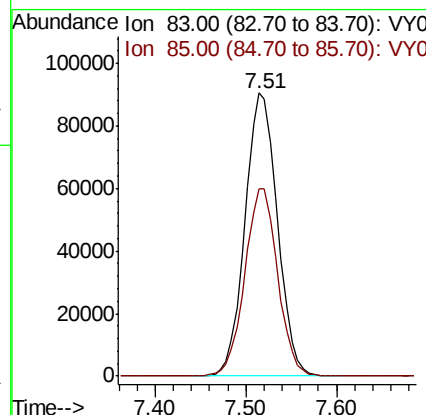
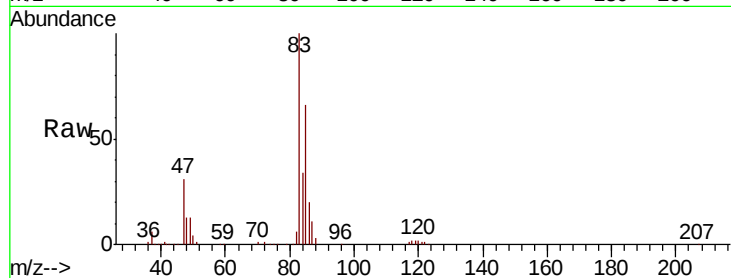




#25
Chloroform
Concen: 25.012 ug/L
RT: 7.51 min Scan# 934
Delta R.T. -0.01 min
Lab File: VY003748.D
Acq: 14 Dec 2020 14:19

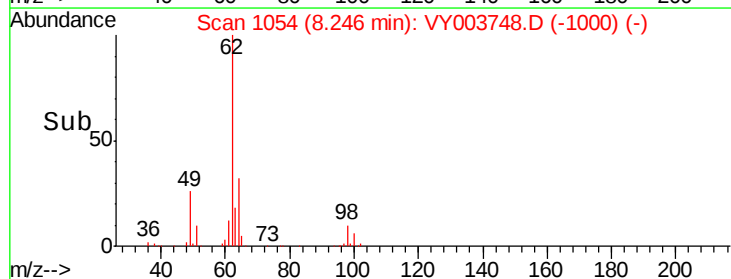
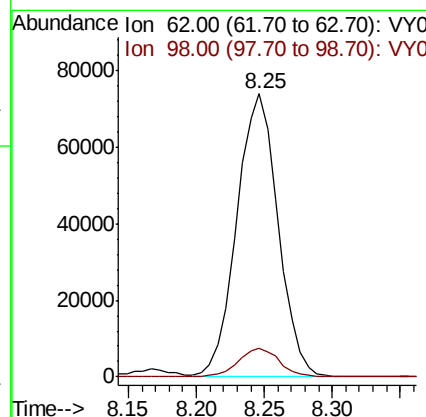
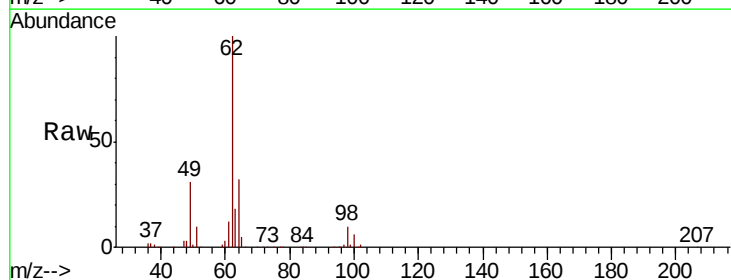
Instrument :
MSVOA_Y
ClientSampleId :
VICV99

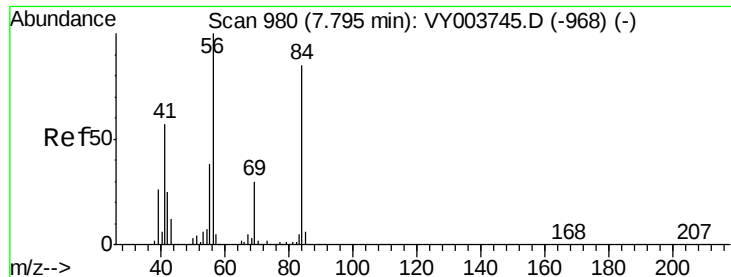
Tot Ion: 83 Resp: 223536
Ion Ratio Lower Upper
83 100
85 67.4 46.5 86.3



#27
1,2-Dichloroethane
Concen: 25.374 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003748.D
Acq: 14 Dec 2020 14:19

Tgt Ion: 62 Resp: 157162
Ion Ratio Lower Upper
62 100
98 9.9 8.3 12.5

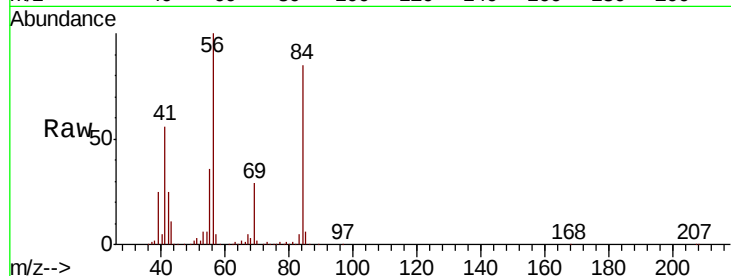




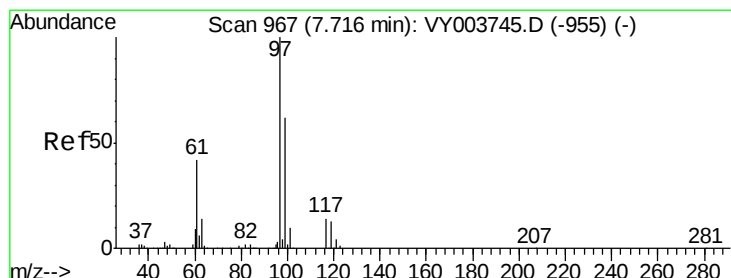
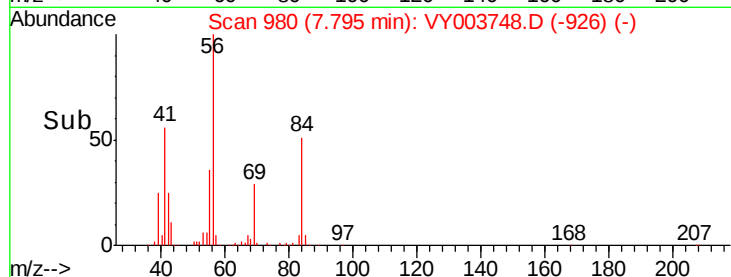
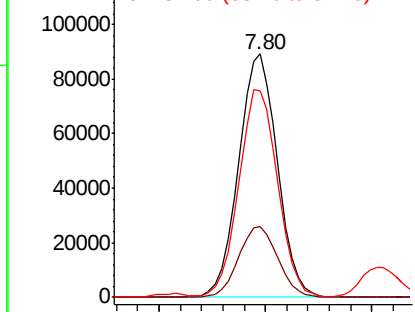
#30
Cyclohexane
Concen: 25.393 ug/L
RT: 7.80 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY003748.D
Acq: 14 Dec 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VICV99

Tot Ion: 56 Resp: 227404
Ion Ratio Lower Upper
56 100
69 29.7 23.4 35.0
84 86.0 68.6 103.0

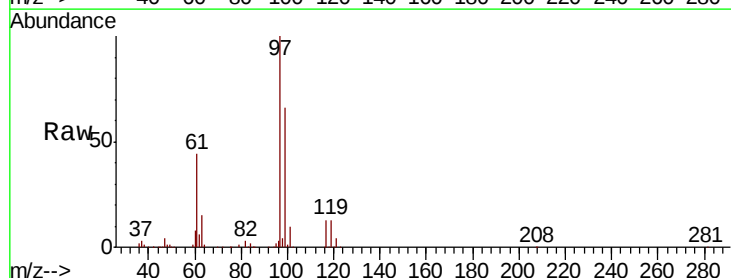


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

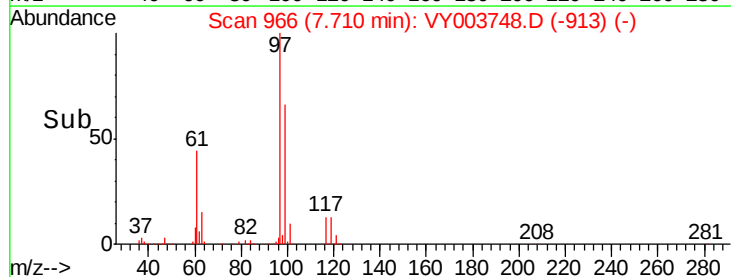
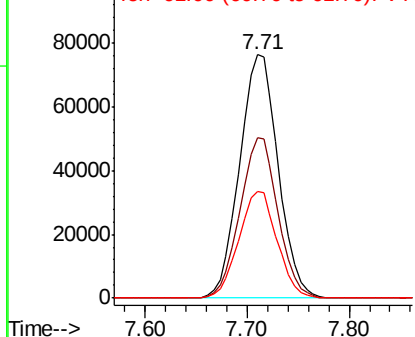


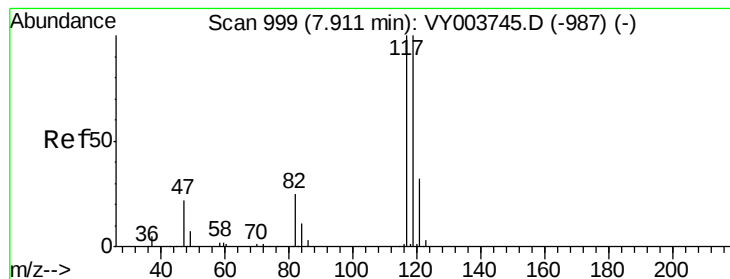
#31
1,1,1-Trichloroethane
Concen: 25.189 ug/L
RT: 7.71 min Scan# 966
Delta R.T. -0.01 min
Lab File: VY003748.D
Acq: 14 Dec 2020 14:19

Tgt Ion: 97 Resp: 200959
Ion Ratio Lower Upper
97 100
99 64.6 50.8 76.2
61 43.4 34.1 51.1



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.00 (60.70 to 61.70): VY0





#32

Carbon tetrachloride

Concen: 25.316 ug/L

RT: 7.90 min Scan# 998

Delta R.T. -0.01 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

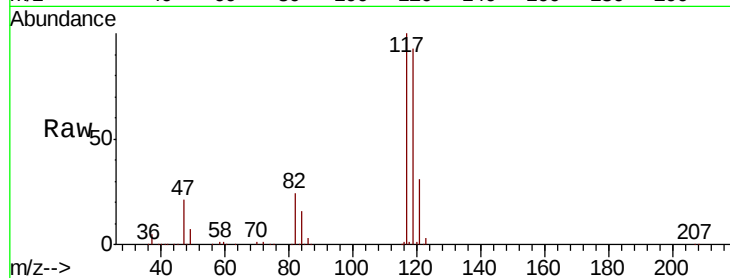
VICV99

Tot Ion:117 Resp: 178342

Ion Ratio Lower Upper

117 100

119 95.9 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

7.90

80000

60000

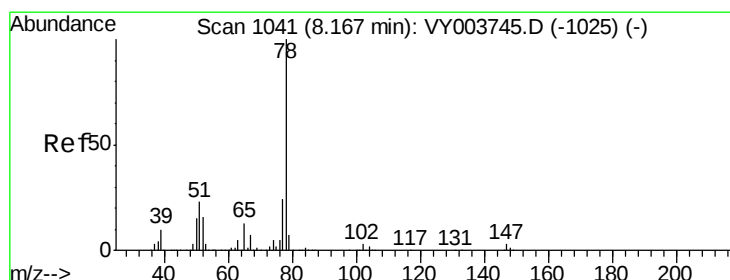
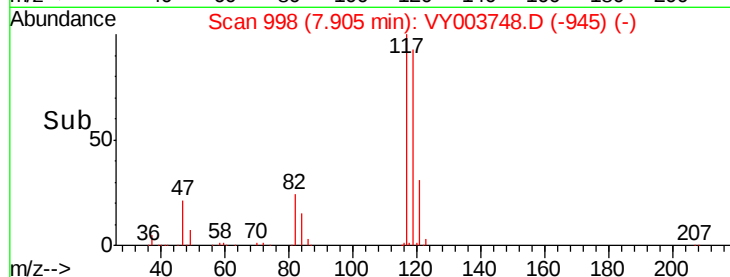
40000

20000

0

Time-->

7.80 7.90 8.00



#34

Benzene

Concen: 25.599 ug/L

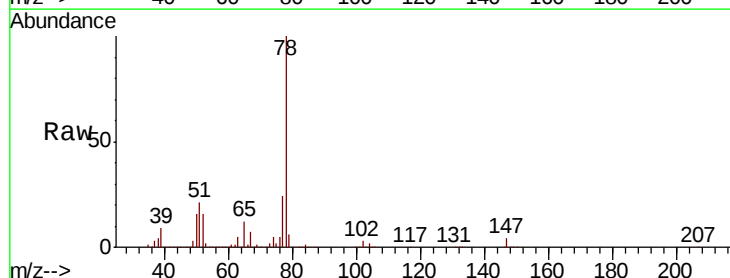
RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

Tgt Ion: 78 Resp: 531386



Abundance Ion 78.00 (77.70 to 78.70): VY0

8.17

250000

200000

150000

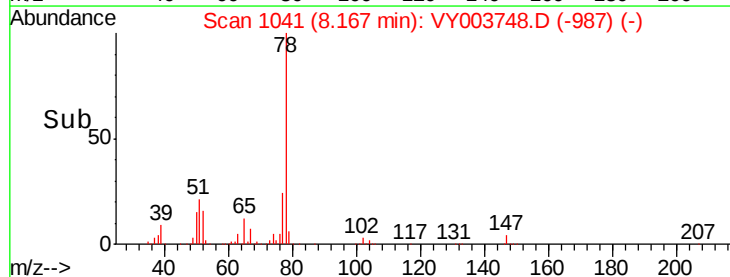
100000

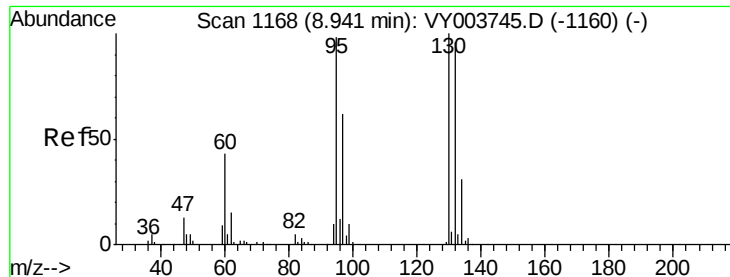
50000

0

Time-->

8.00 8.10 8.20 8.30





#35

Trichloroethene

Concen: 25.517 ug/L

RT: 8.95 min Scan# 1169

Delta R.T. 0.01 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VICV99

Tot Ion: 95 Resp: 142171

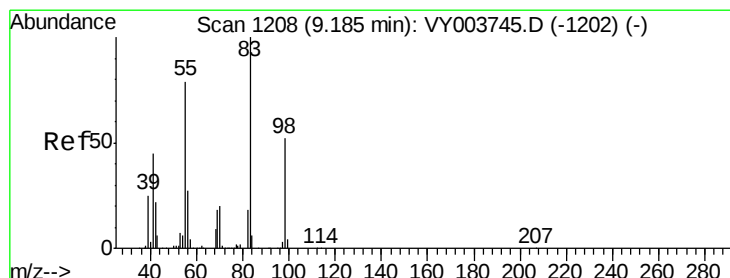
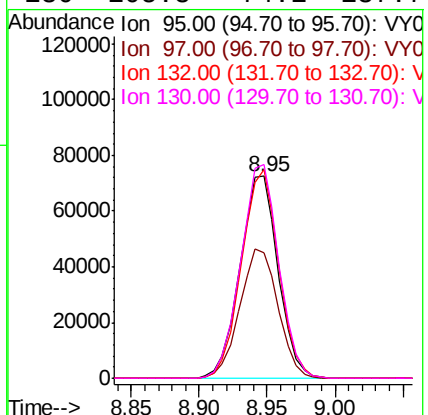
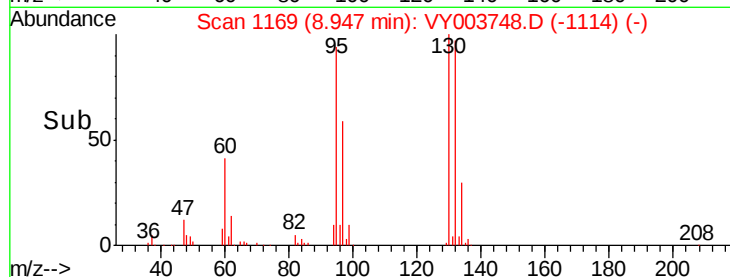
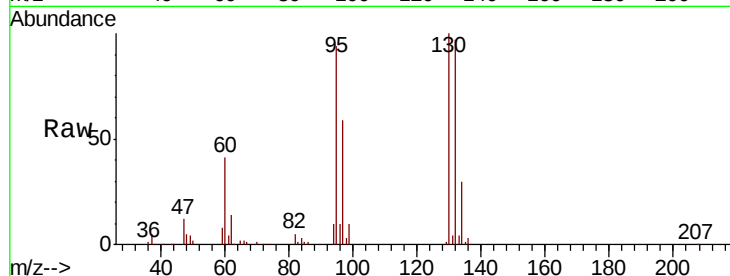
Ion Ratio Lower Upper

95 100

97 64.4 45.4 84.4

132 100.5 70.8 131.4

130 105.8 74.1 137.7



#36

Methylcyclohexane

Concen: 25.336 ug/L

RT: 9.19 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

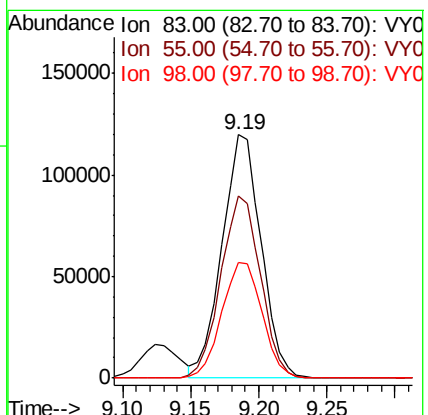
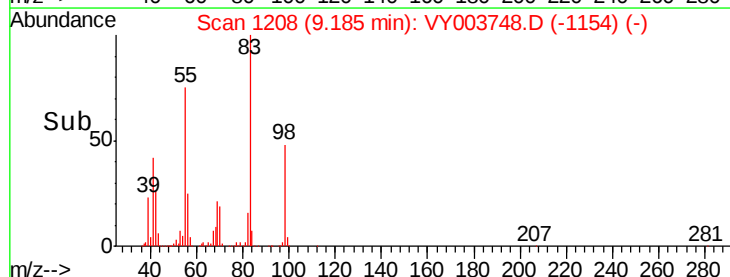
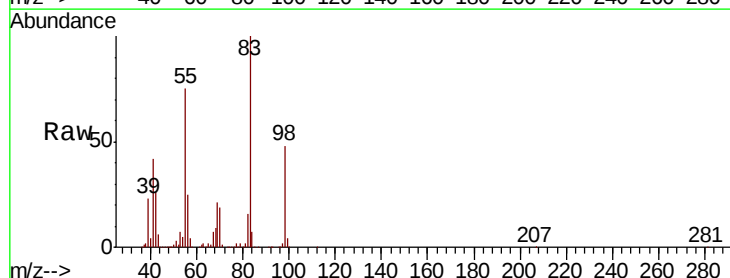
Tgt Ion: 83 Resp: 239123

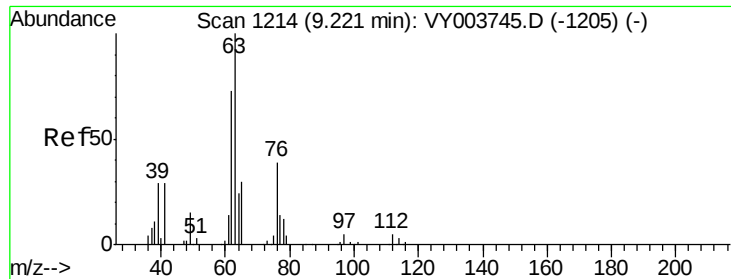
Ion Ratio Lower Upper

83 100

55 75.9 60.3 90.5

98 49.3 40.4 60.6

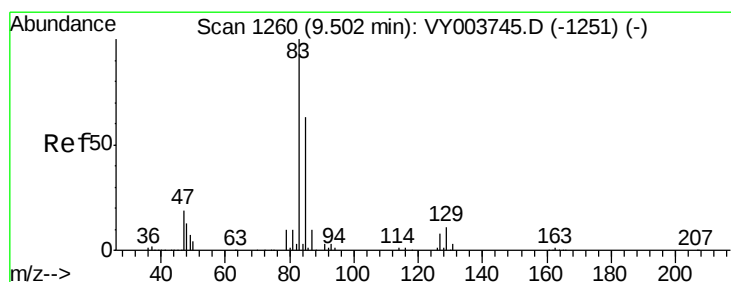
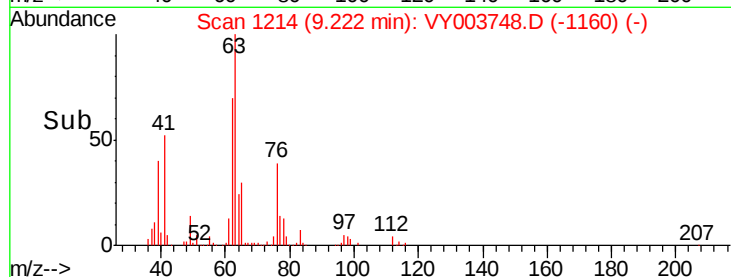
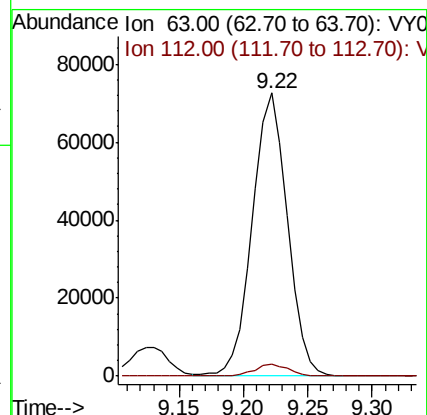
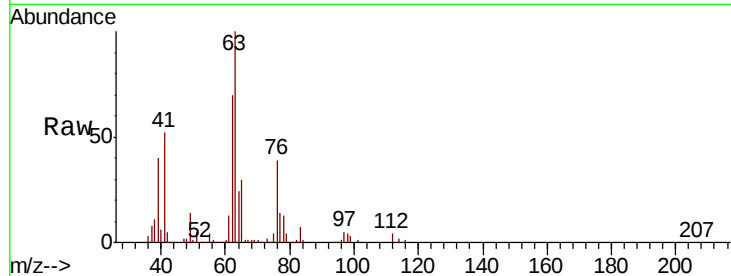




#40
 1,2-Dichloropropane
 Concen: 25.400 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: VY003748.D
 Acq: 14 Dec 2020 14:19

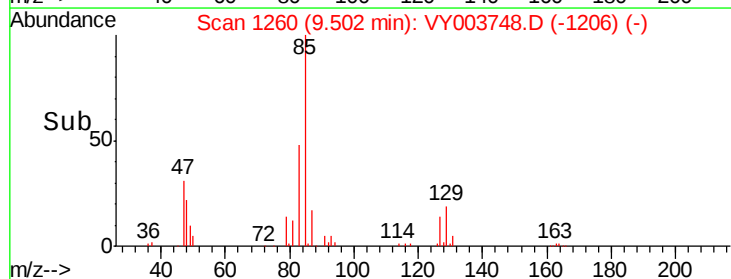
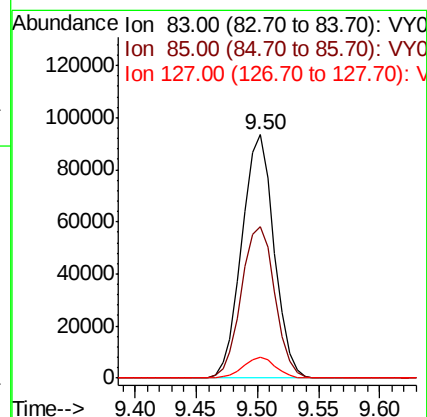
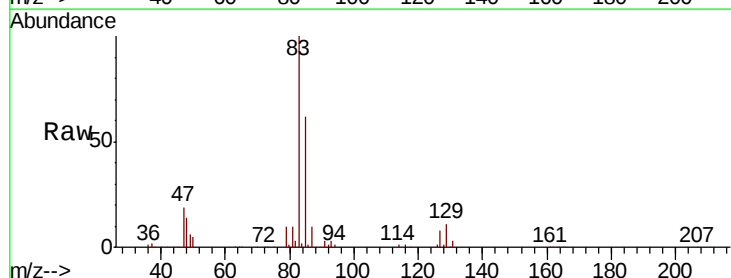
Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV99

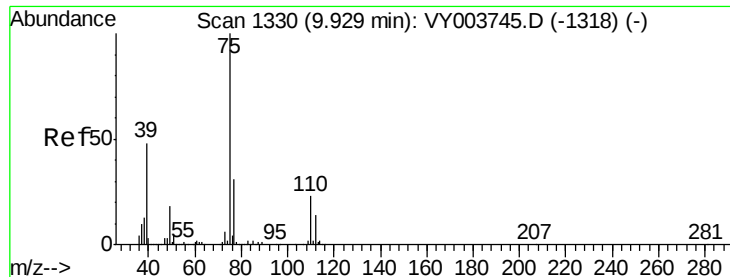
Tot Ion: 63 Resp: 136654
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#41
 Bromodichloromethane
 Concen: 25.427 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VY003748.D
 Acq: 14 Dec 2020 14:19

Tgt Ion: 83 Resp: 171270
 Ion Ratio Lower Upper
 83 100
 85 62.2 44.2 82.2
 127 8.4 6.6 10.0



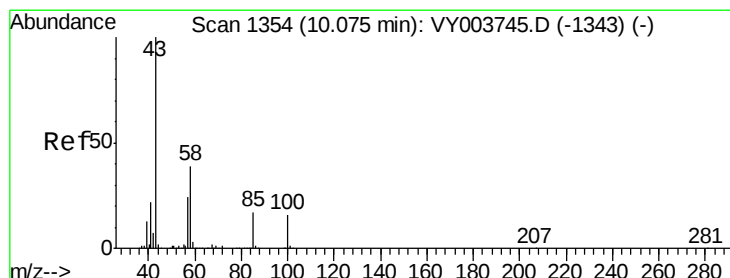
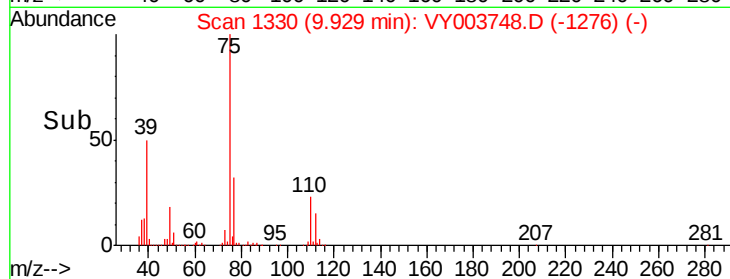
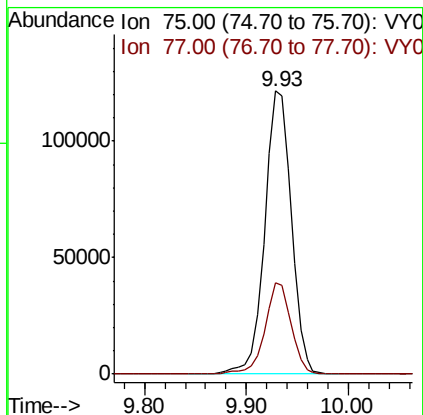
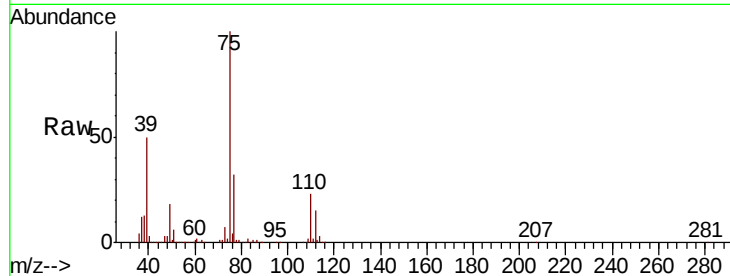


#42

cis-1,3-Dichloropropene
Concen: 25.775 ug/L
RT: 9.93 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VY003748.D
Acq: 14 Dec 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VICV99

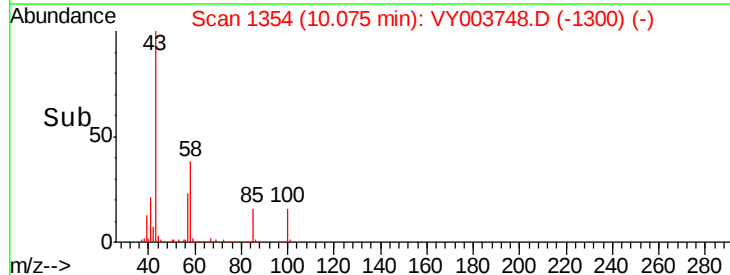
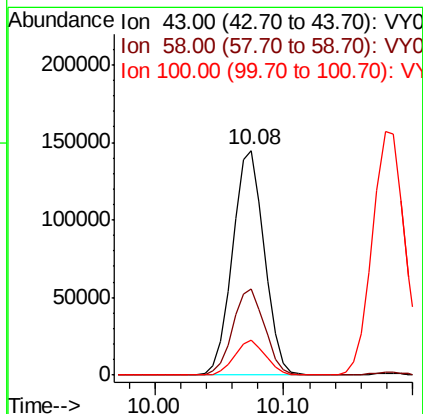
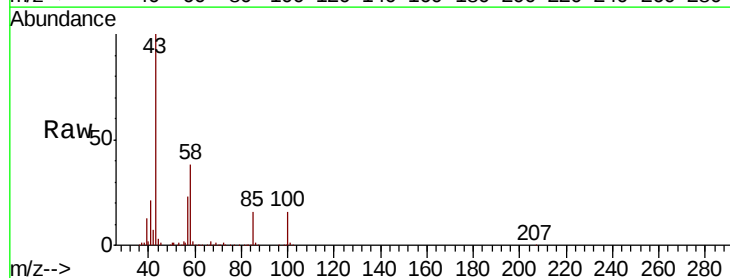
Tot Ion: 75 Resp: 220349
Ion Ratio Lower Upper
75 100
77 32.4 21.3 39.6

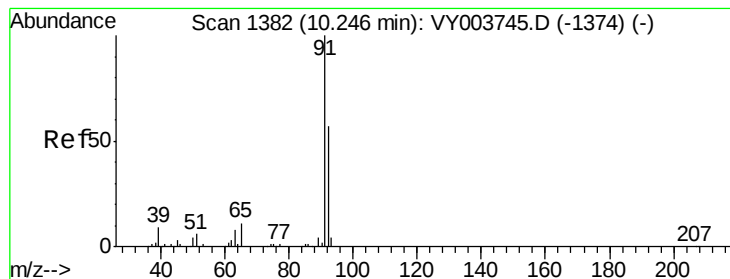


#43

4-Methyl-2-pentanone
Concen: 47.717 ug/L
RT: 10.08 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VY003748.D
Acq: 14 Dec 2020 14:19

Tgt Ion: 43 Resp: 248933
Ion Ratio Lower Upper
43 100
58 38.3 30.8 46.2
100 15.0 11.8 17.8





#44

Toluene

Concen: 25.789 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

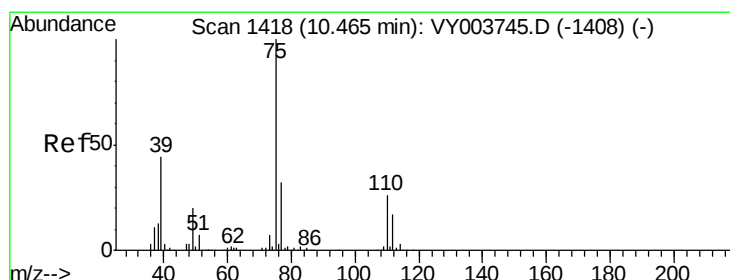
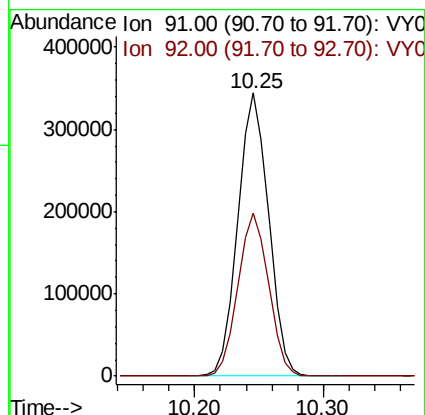
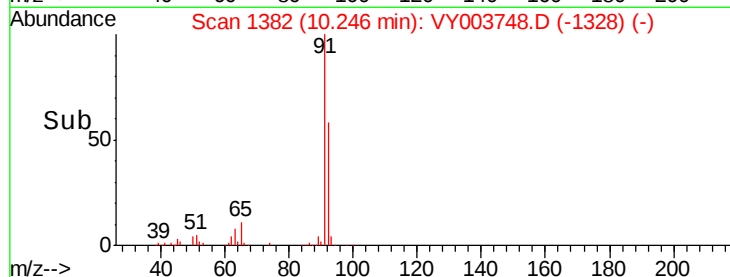
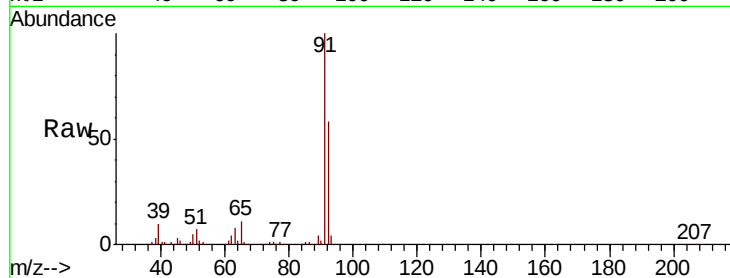
VICV99

Tot Ion: 91 Resp: 568624

Ion Ratio Lower Upper

91 100

92 57.7 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 25.637 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003748.D

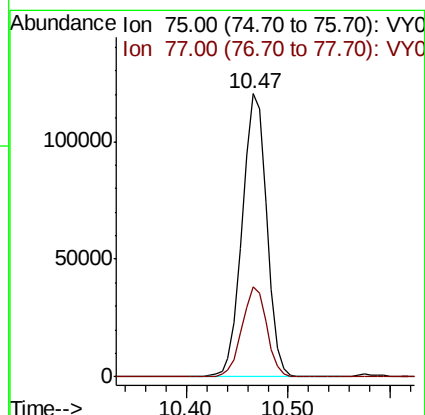
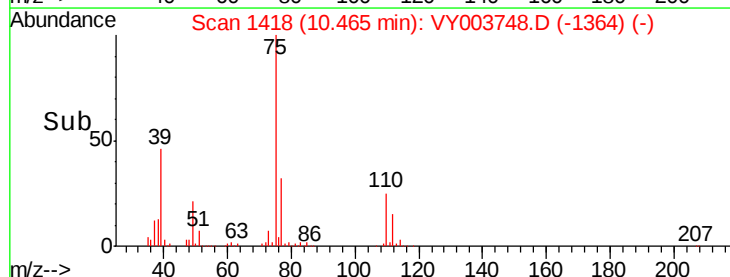
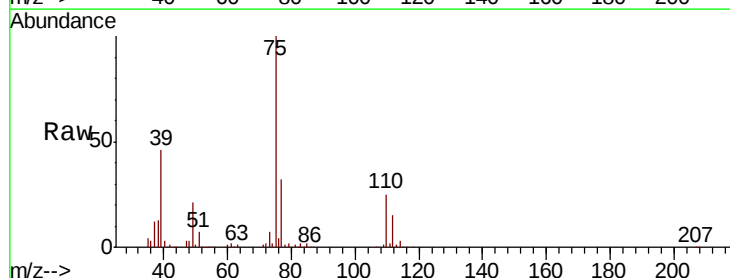
Acq: 14 Dec 2020 14:19

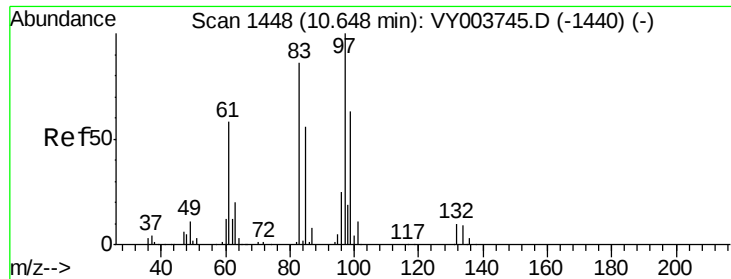
Tgt Ion: 75 Resp: 200549

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1

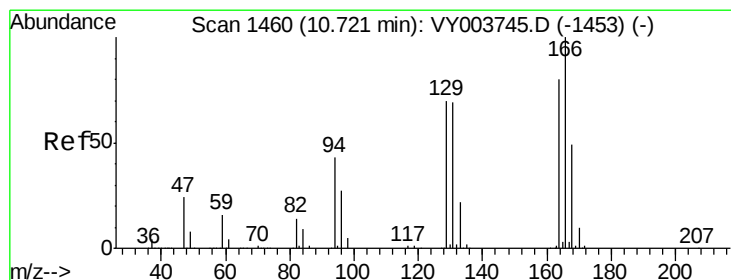
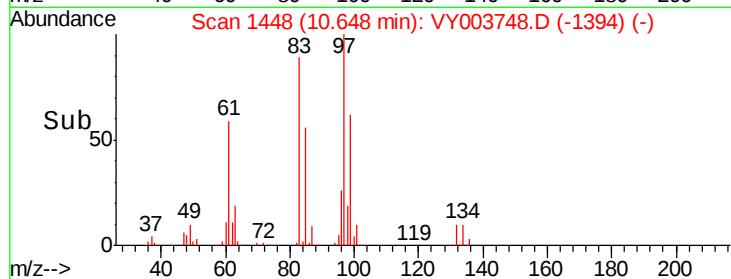
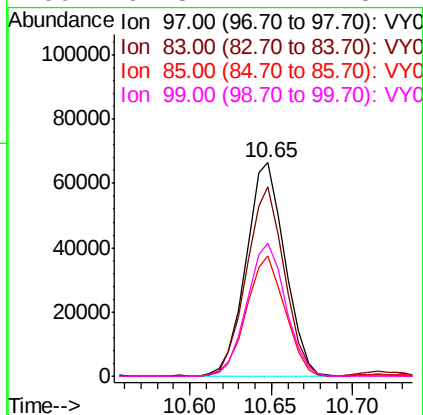
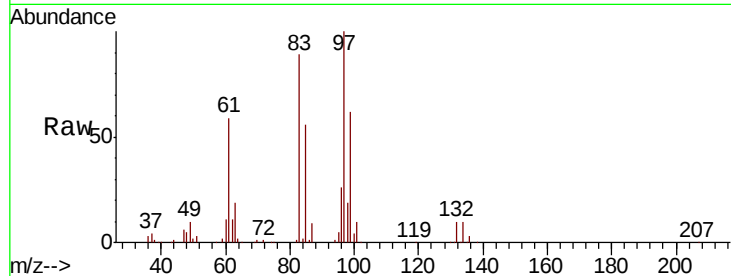




#46
 1,1,2-Trichloroethane
 Concen: 25.399 ug/L
 RT: 10.65 min Scan# 1448
 Delta R.T. 0.00 min
 Lab File: VY003748.D
 Acq: 14 Dec 2020 14:19

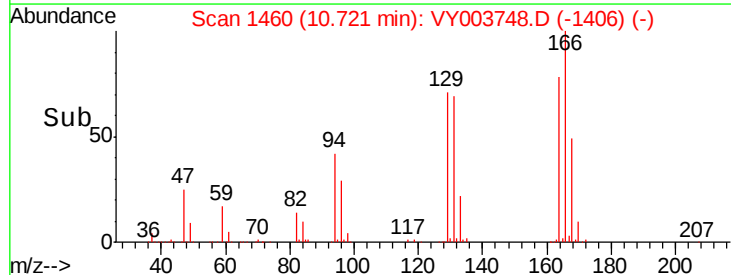
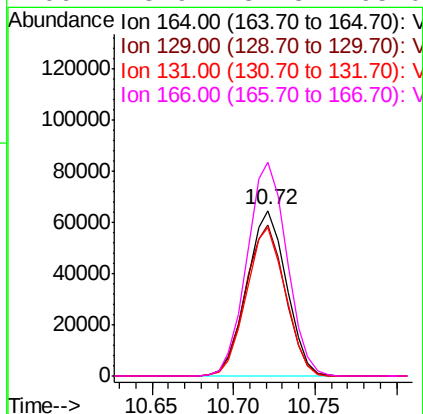
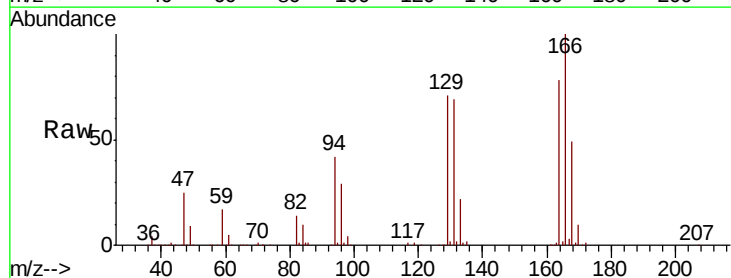
Instrument :
 MSVOA_Y
 ClientSampled :
 VICV99

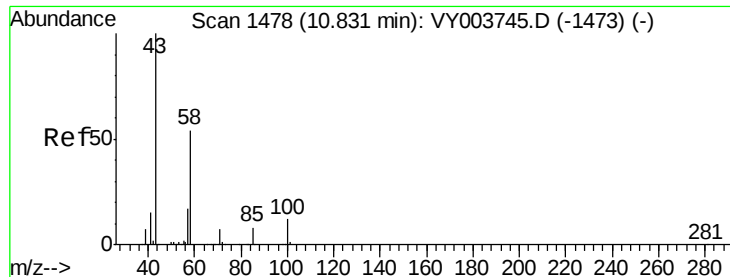
Tot Ion:	97	Resp:	110665
Ion	Ratio	Lower	Upper
97	100		
83	88.7	60.0	111.4
85	56.1	38.9	72.2
99	62.3	44.4	82.4



#47
 Tetrachloroethene
 Concen: 24.630 ug/L
 RT: 10.72 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: VY003748.D
 Acq: 14 Dec 2020 14:19

Tgt Ion:	164	Resp:	109117
Ion	Ratio	Lower	Upper
164	100		
129	90.9	61.3	113.9
131	89.4	60.4	112.2
166	128.9	87.8	163.0

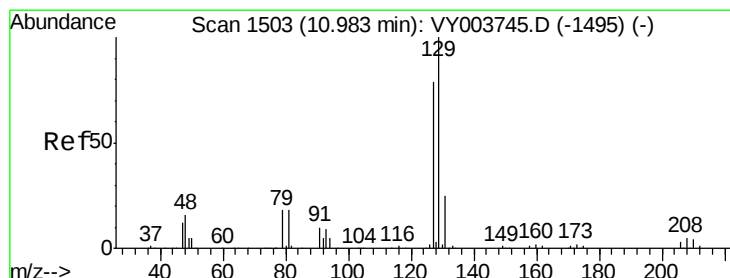
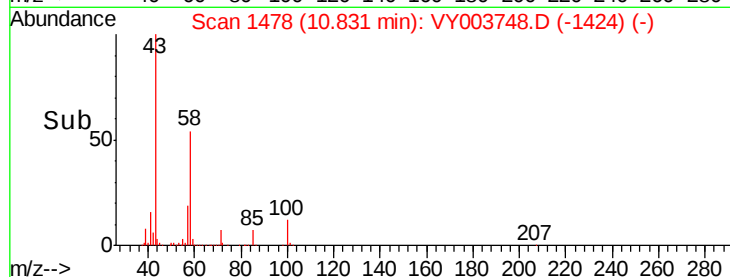
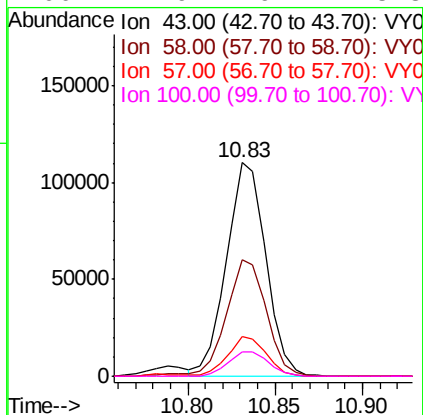
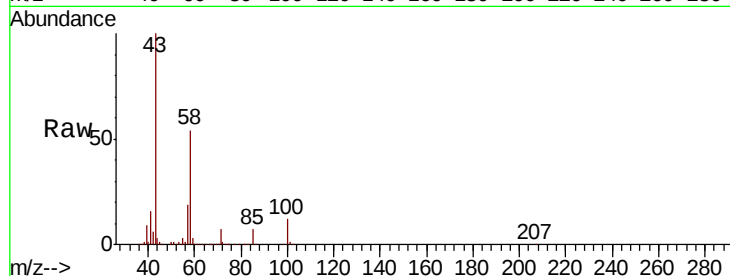




#49
2-Hexanone
Concen: 48.411 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003748.D
Acq: 14 Dec 2020 14:19

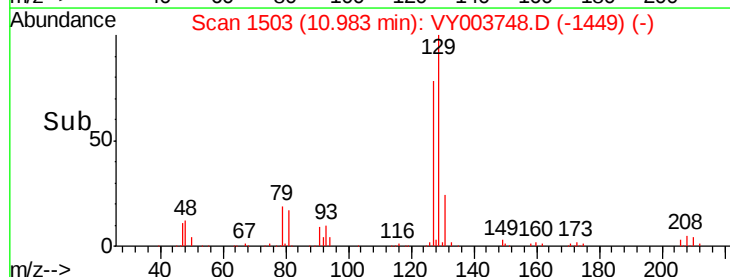
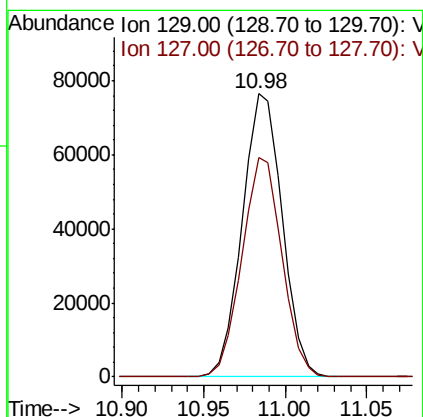
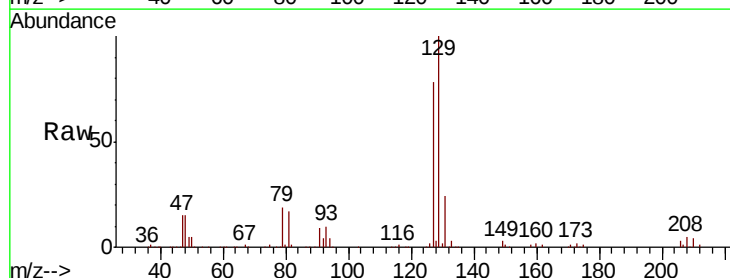
Instrument :
MSVOA_Y
ClientSampleId :
VICV99

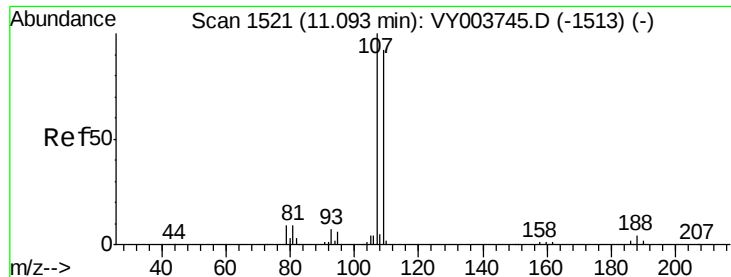
Tot Ion:	43	Resp:	173314
Ion	Ratio	Lower	Upper
43	100		
58	54.7	43.0	64.4
57	18.2	14.1	21.1
100	11.9	9.2	13.8



#50
Dibromochloromethane
Concen: 25.606 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003748.D
Acq: 14 Dec 2020 14:19

Tgt Ion:	129	Resp:	130700
Ion	Ratio	Lower	Upper
129	100		
127	77.7	55.2	102.4

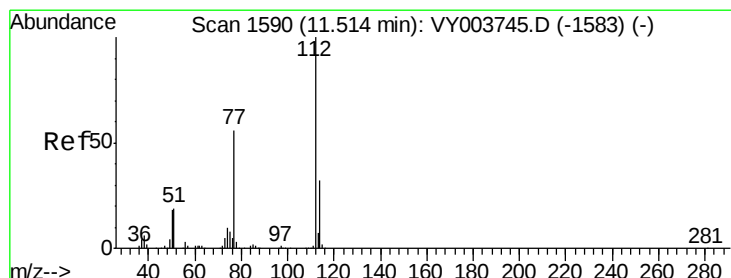
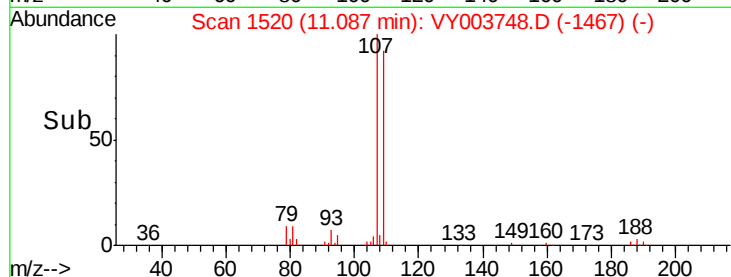
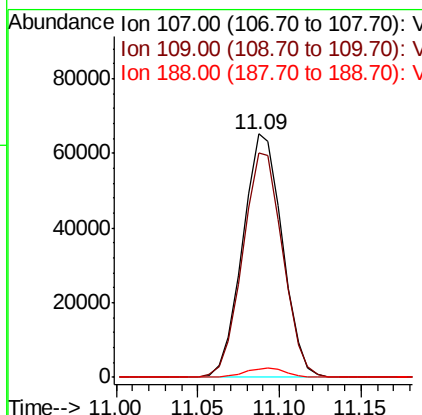
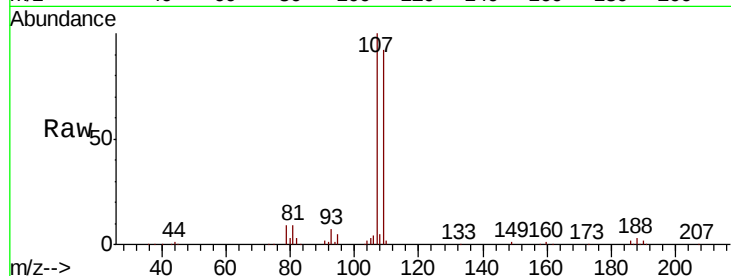




#51
1,2-Dibromoethane
Concen: 25.534 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.01 min
Lab File: VY003748.D
Acq: 14 Dec 2020 14:19

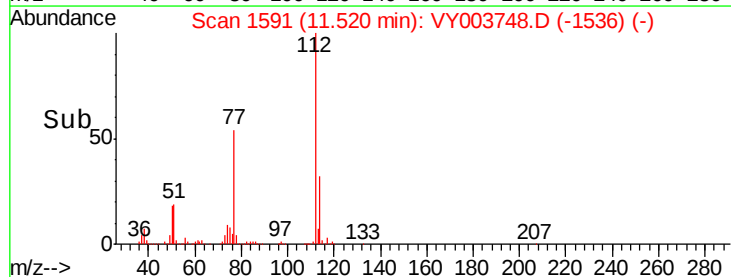
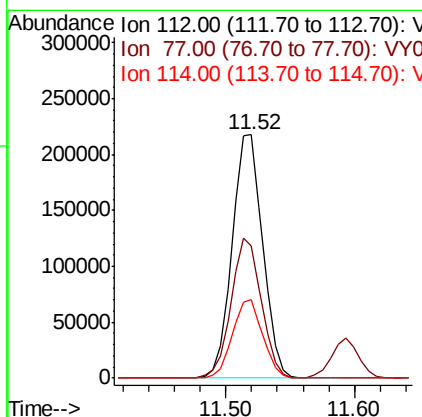
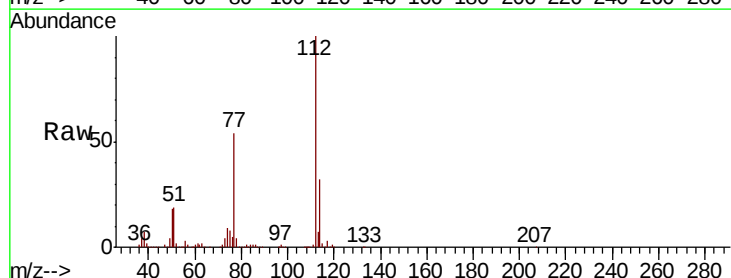
Instrument :
MSVOA_Y
ClientSampleId :
VICV99

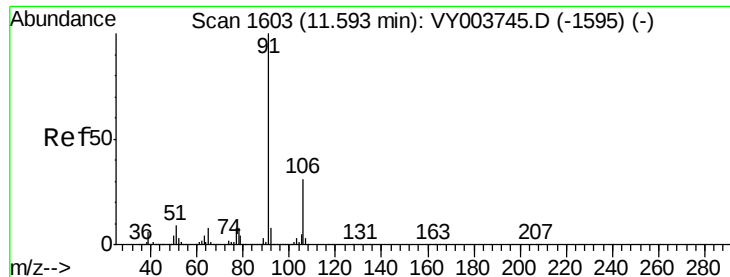
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	64.6	120.0
188	3.3	2.9	4.3



#52
Chlorobenzene
Concen: 25.441 ug/L
RT: 11.52 min Scan# 1591
Delta R.T. 0.01 min
Lab File: VY003748.D
Acq: 14 Dec 2020 14:19

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.3	45.1	67.7
114	32.2	22.6	42.0





#53

Ethylbenzene

Concen: 25.858 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

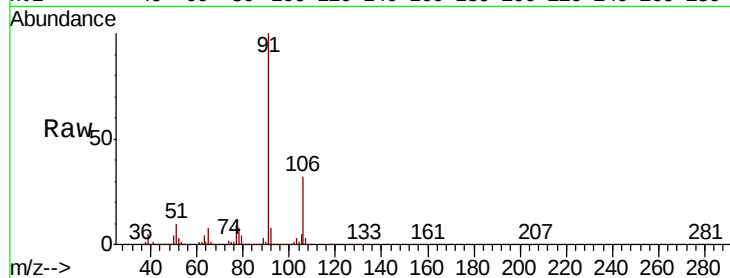
VICV99

Tot Ion: 91 Resp: 622948

Ion Ratio Lower Upper

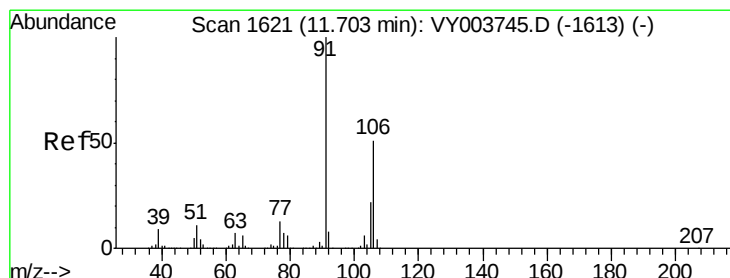
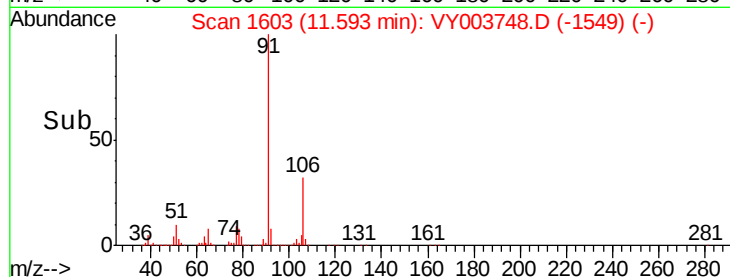
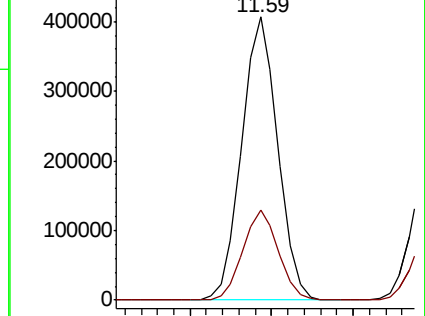
91 100

106 31.8 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): VY0



#54

m,p-Xylene

Concen: 25.770 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003748.D

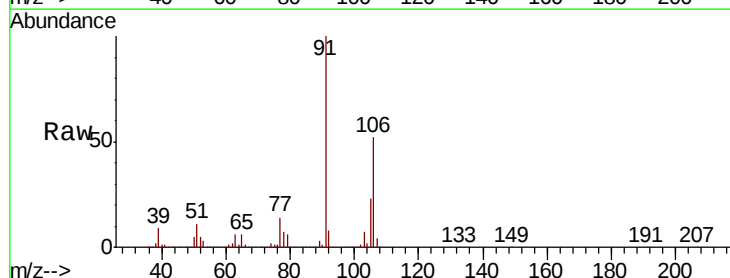
Acq: 14 Dec 2020 14:19

Tgt Ion: 106 Resp: 239466

Ion Ratio Lower Upper

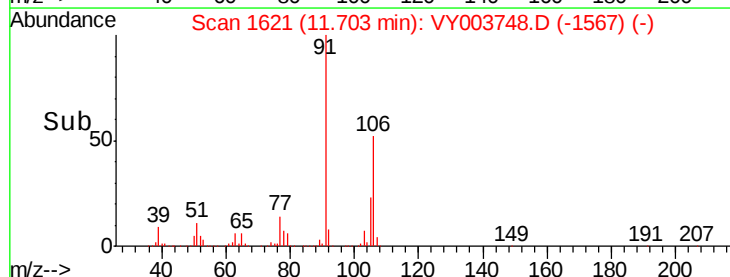
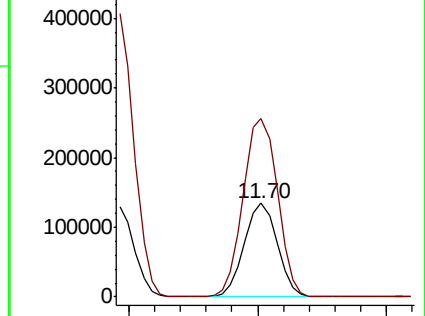
106 100

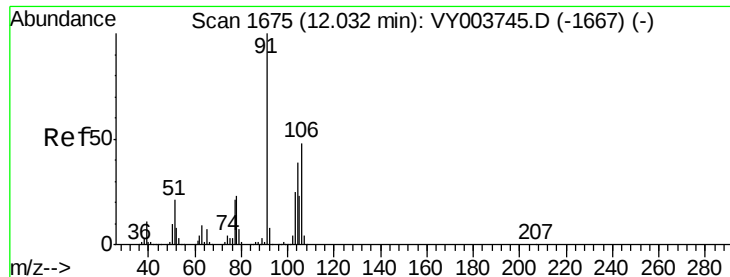
91 191.3 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#55

o-xylene

Concen: 26.152 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

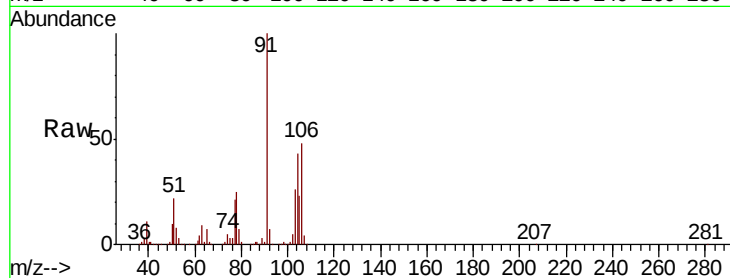
VICV99

Tot Ion:106 Resp: 228046

Ion Ratio Lower Upper

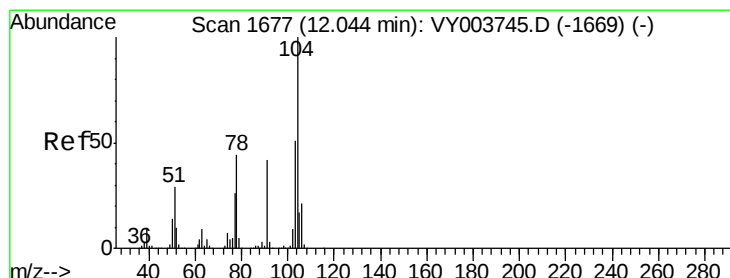
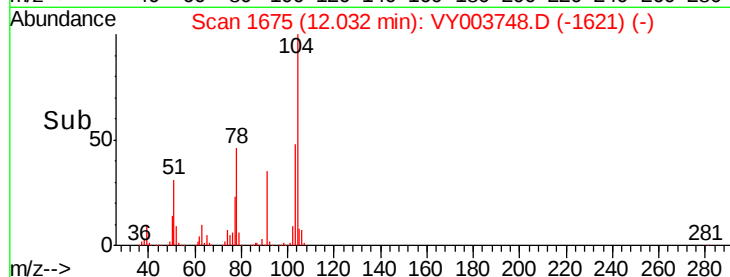
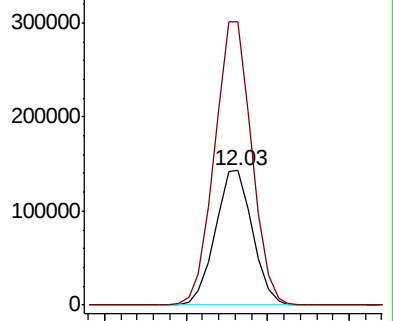
106 100

91 210.3 145.5 270.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 26.412 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VY003748.D

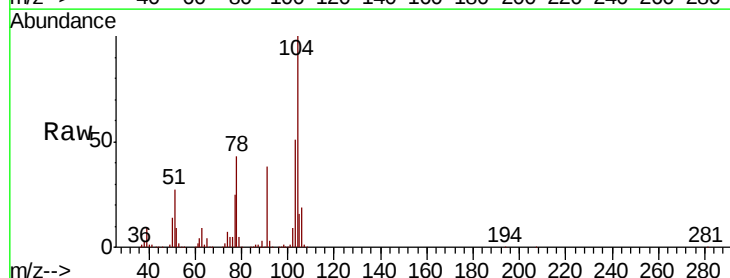
Acq: 14 Dec 2020 14:19

Tgt Ion:104 Resp: 393192

Ion Ratio Lower Upper

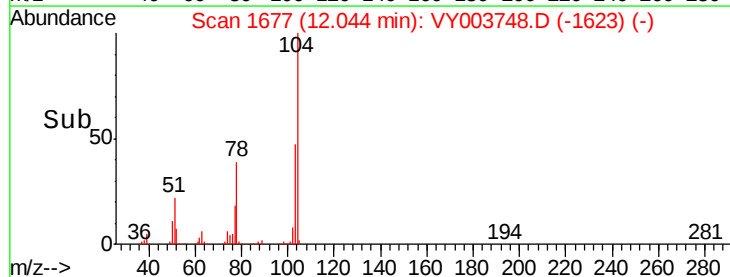
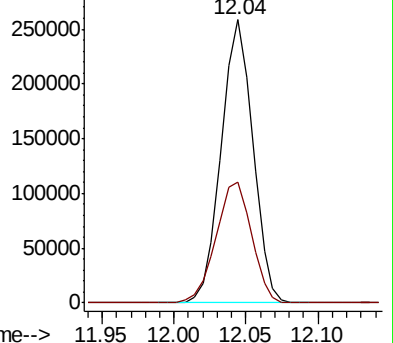
104 100

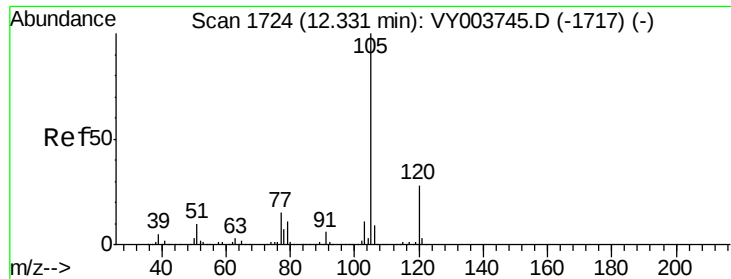
78 42.8 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 25.907 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampled :

VICV99

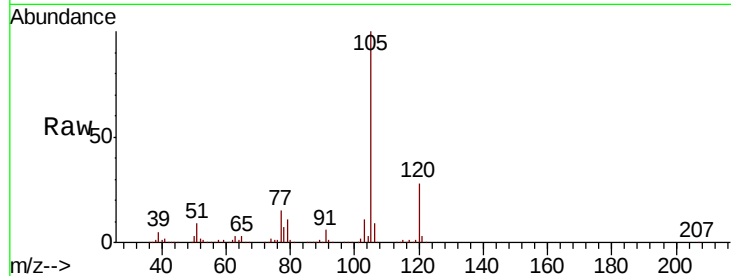
Tot Ion:105 Resp: 603237

Ion Ratio Lower Upper

105 100

120 27.4 22.1 33.1

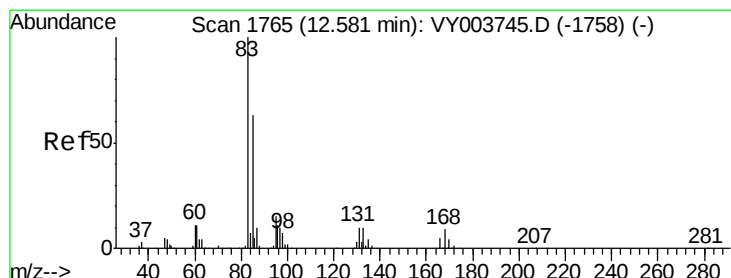
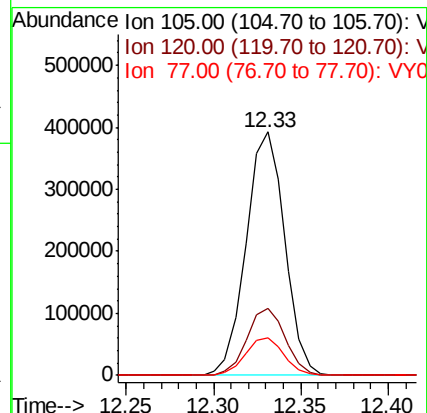
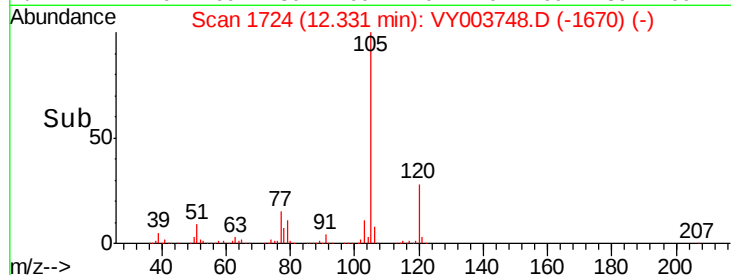
77 15.3 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.222 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

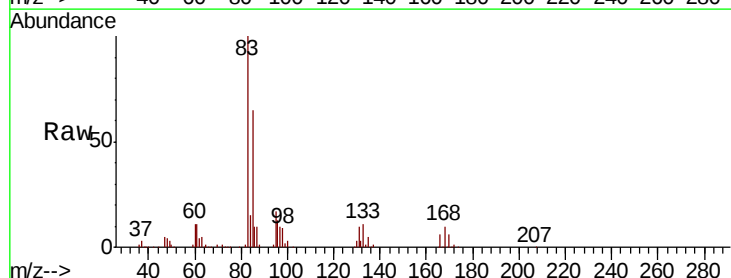
Tgt Ion: 83 Resp: 123299

Ion Ratio Lower Upper

83 100

85 65.3 43.9 81.5

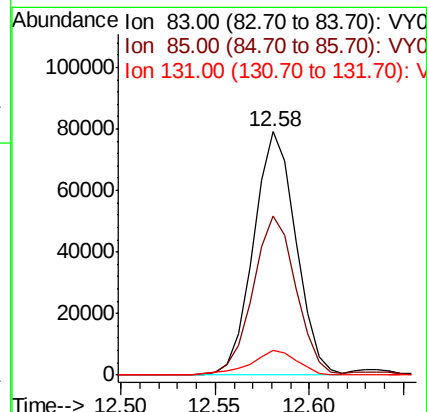
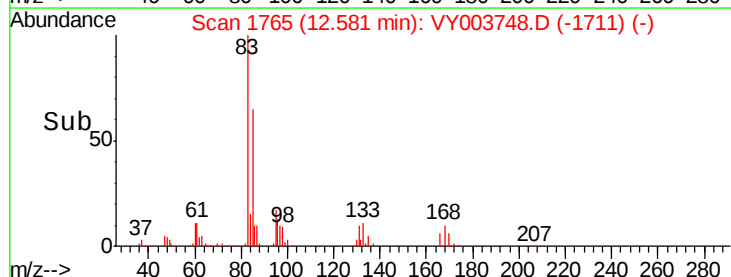
131 10.2 7.8 11.8

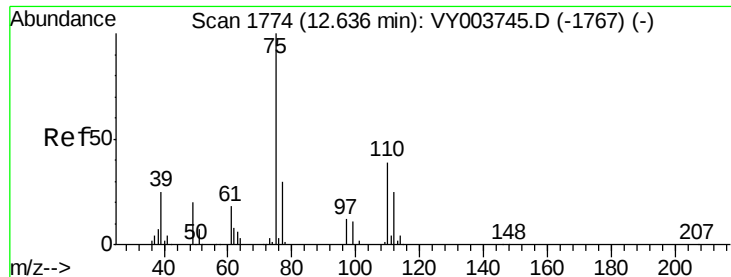


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.371 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

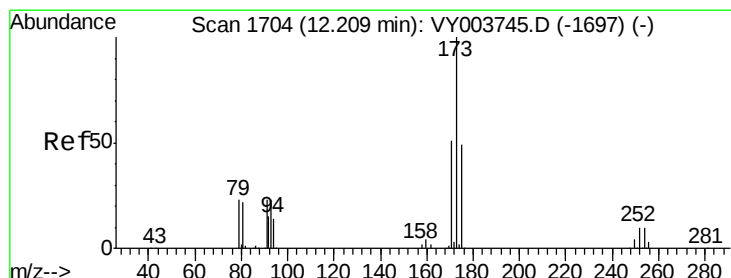
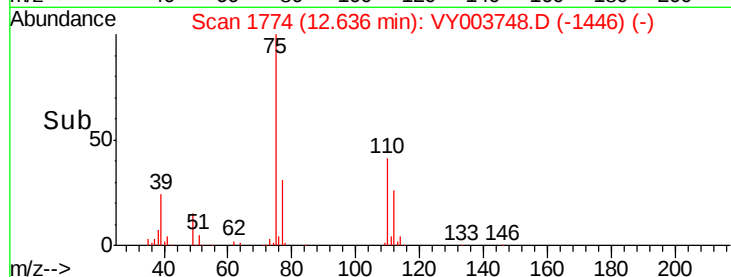
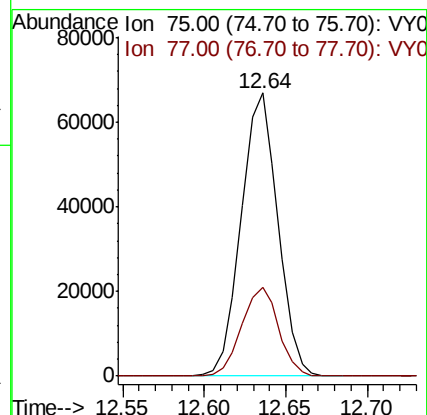
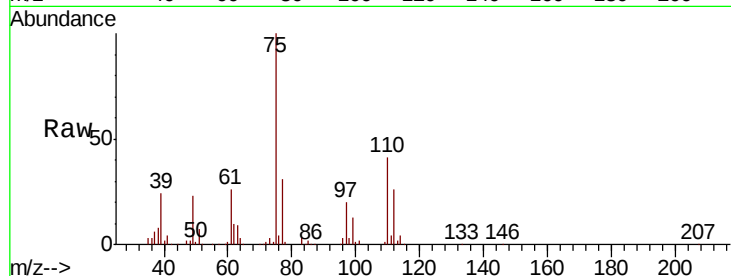
VICV99

Tot Ion: 75 Resp: 104660

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



#62

Bromoform

Concen: 24.352 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

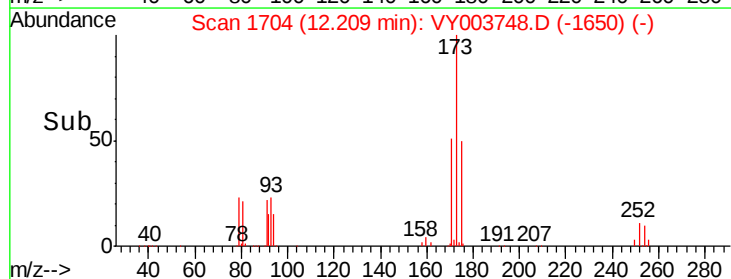
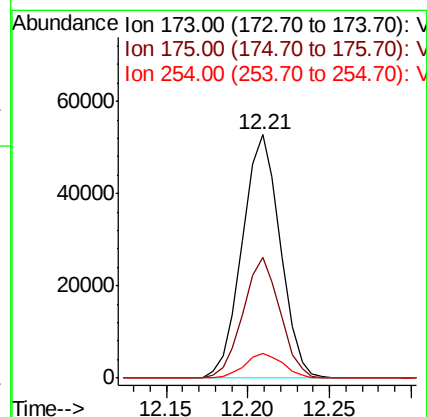
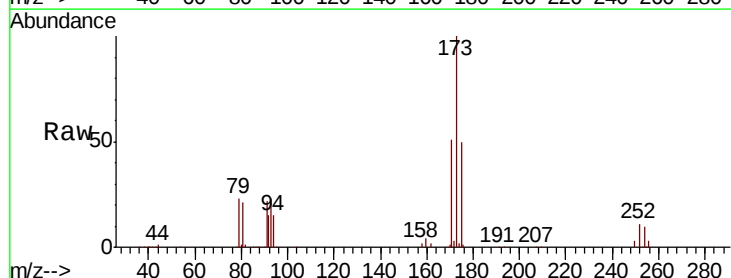
Tgt Ion: 173 Resp: 86028

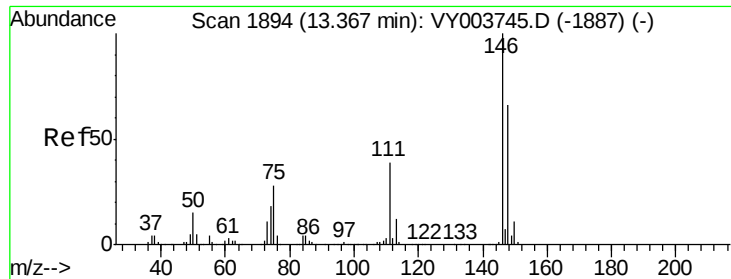
Ion Ratio Lower Upper

173 100

175 48.2 38.8 58.2

254 10.2 7.8 11.6

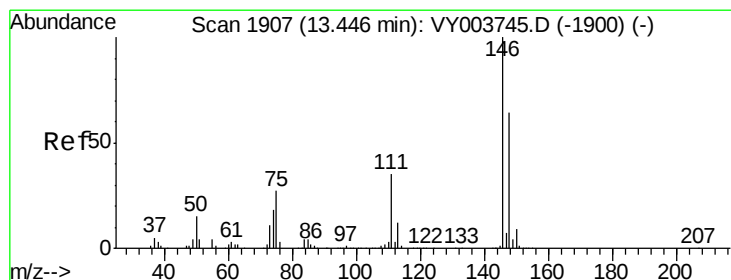
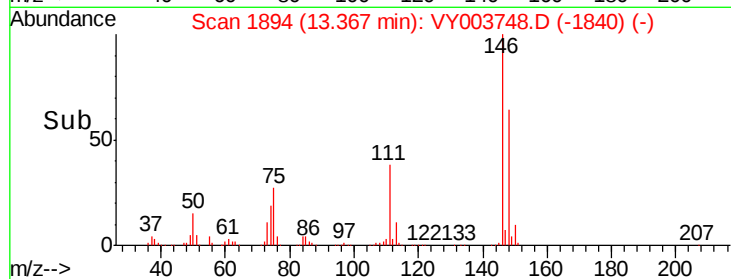
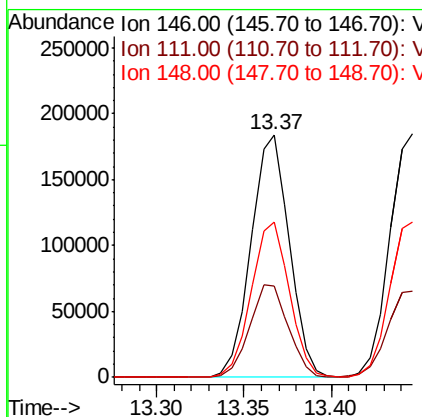
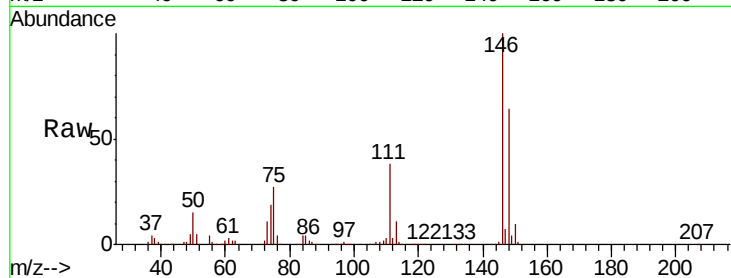




#63
 1,3-Dichlorobenzene
 Concen: 25.178 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. 0.00 min
 Lab File: VY003748.D
 Acq: 14 Dec 2020 14:19

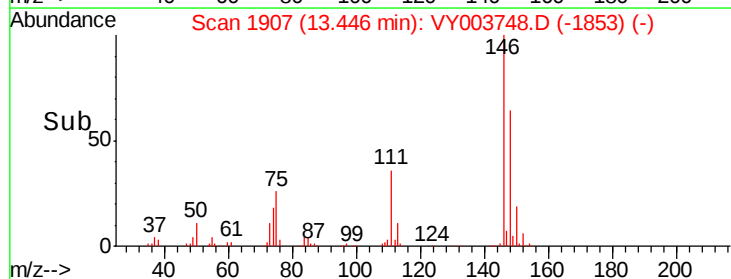
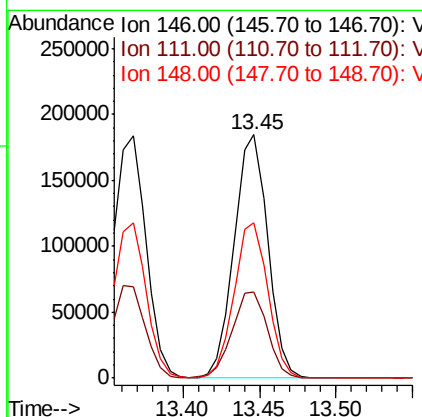
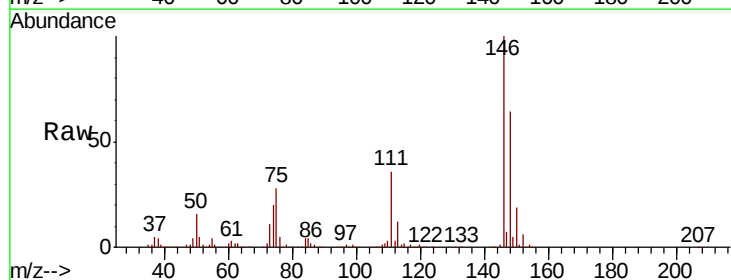
Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV99

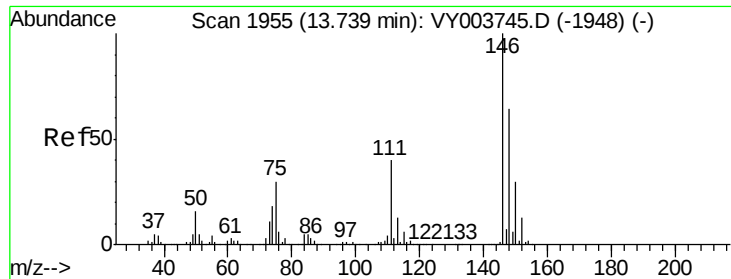
Tot Ion:146 Resp: 279309
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.9 50.1
 148 64.3 46.0 85.4



#64
 1,4-Dichlorobenzene
 Concen: 24.951 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003748.D
 Acq: 14 Dec 2020 14:19

Tgt Ion:146 Resp: 281326
 Ion Ratio Lower Upper
 146 100
 111 35.6 24.8 46.0
 148 63.9 44.4 82.5

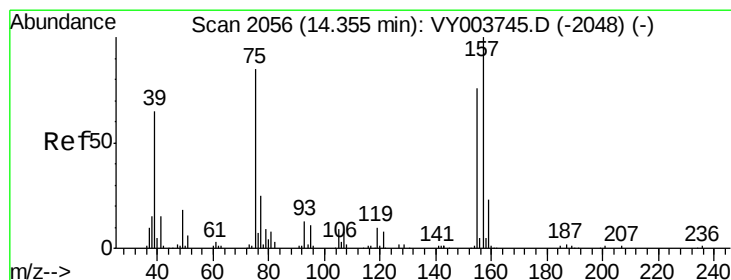
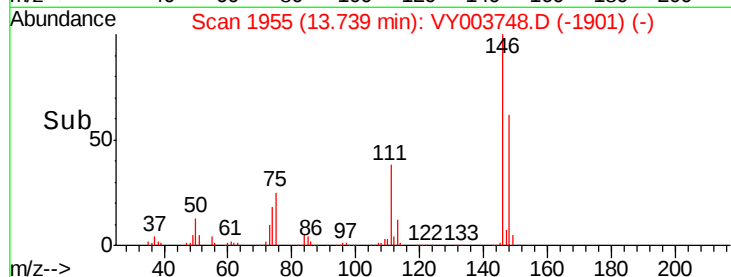
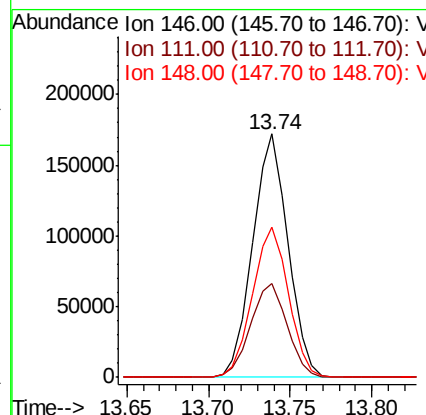
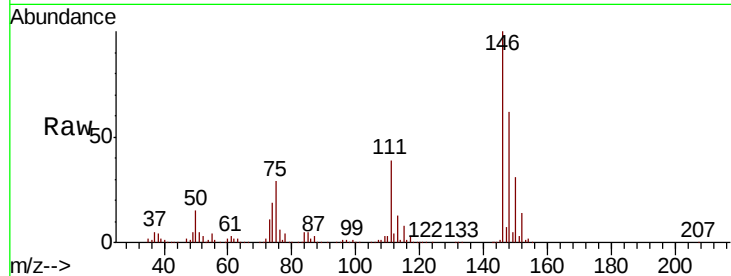




#65
 1,2-Dichlorobenzene
 Concen: 25.376 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VY003748.D
 Acq: 14 Dec 2020 14:19

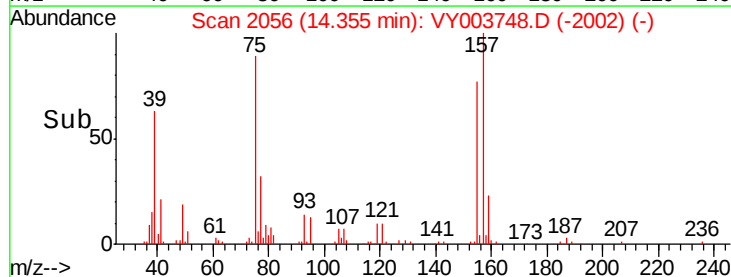
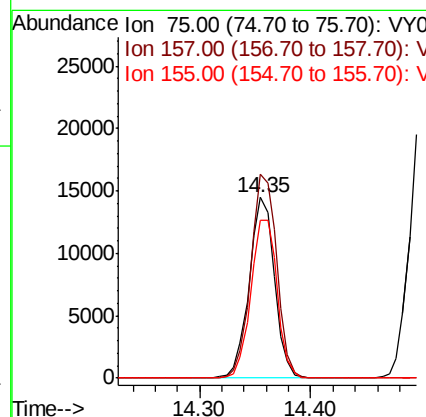
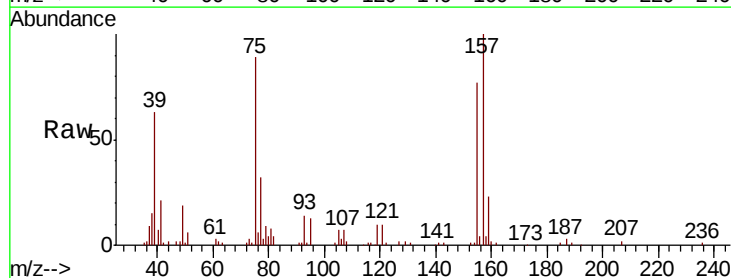
Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV99

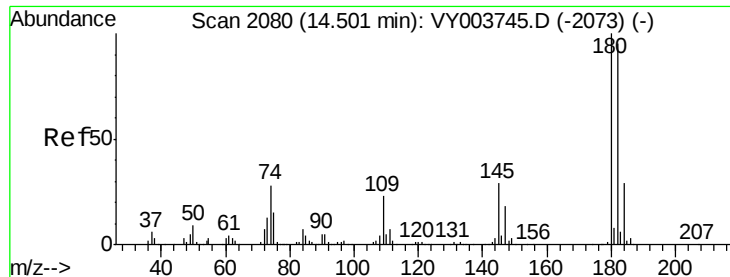
Tot Ion:146 Resp: 259775
 Ion Ratio Lower Upper
 146 100
 111 38.5 31.8 47.8
 148 61.6 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.673 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003748.D
 Acq: 14 Dec 2020 14:19

Tgt Ion: 75 Resp: 22820
 Ion Ratio Lower Upper
 75 100
 157 113.0 93.8 140.8
 155 87.6 70.9 106.3

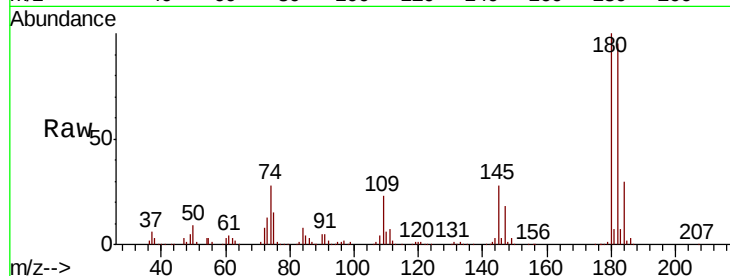




#67
 1,3,5-Trichlorobenzene
 Concen: 25.236 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003748.D
 Acq: 14 Dec 2020 14:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV99

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.7	113.5
184	30.5	24.2	36.4
145	28.6	22.9	34.3



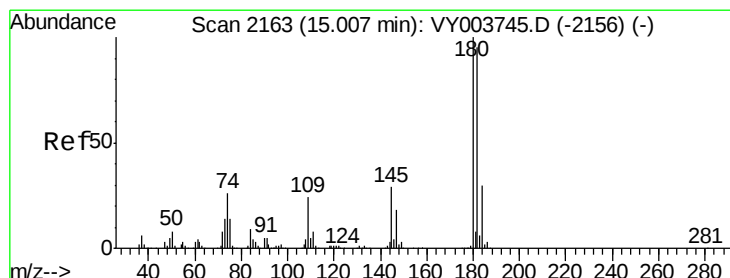
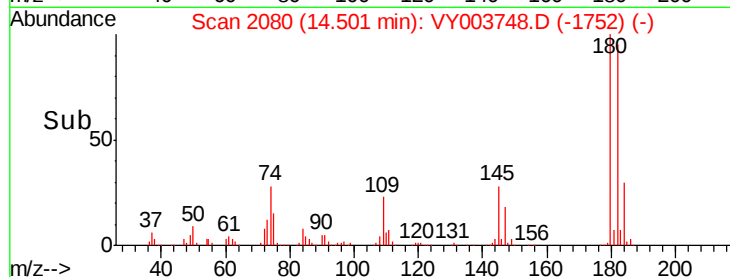
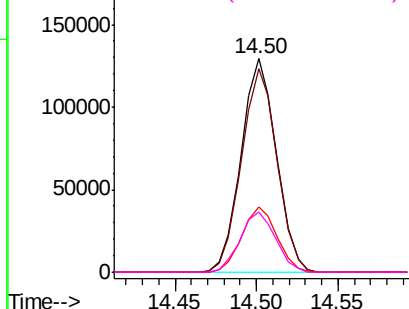
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

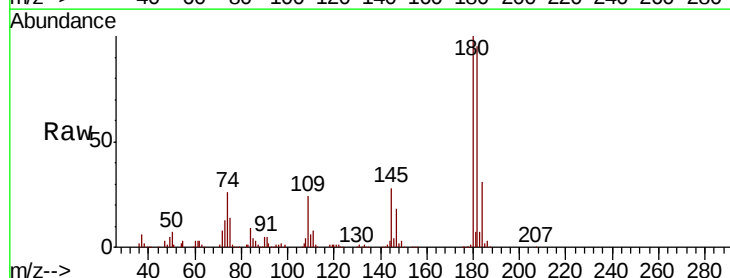
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.176 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VY003748.D
 Acq: 14 Dec 2020 14:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.8	115.2
145	29.4	23.7	35.5

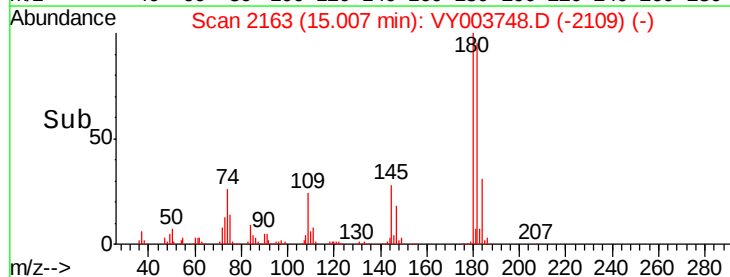
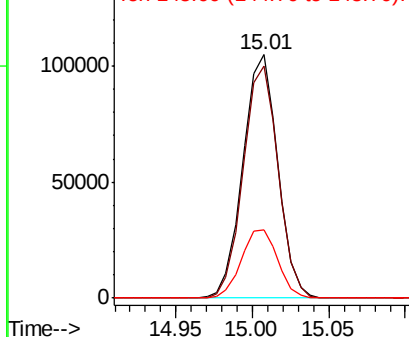


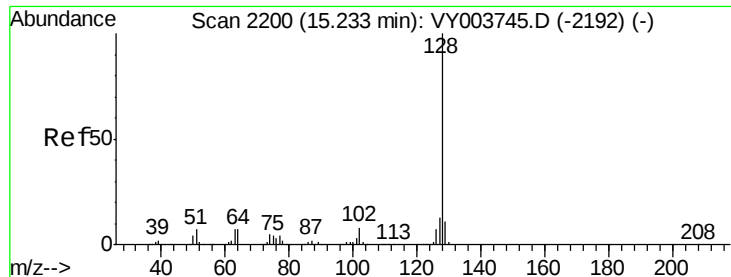
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.984 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VICV99

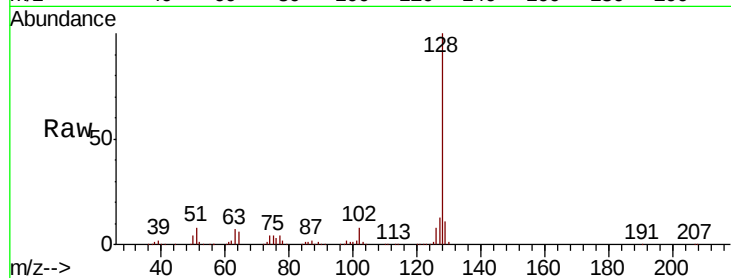
Tot Ion:128 Resp: 375522

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 13.1 10.2 15.4

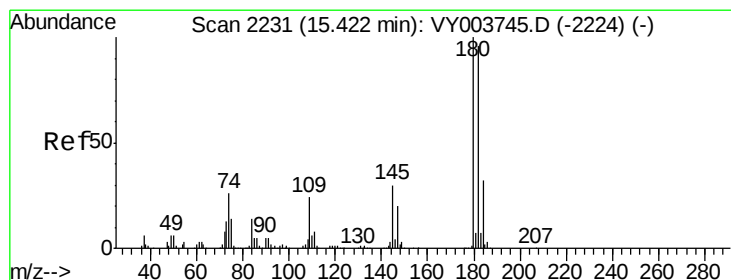
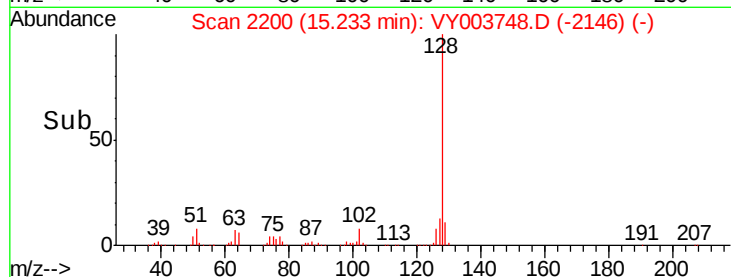
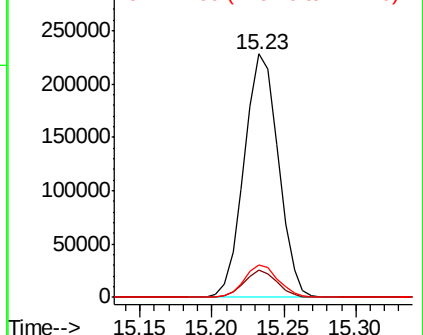


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.838 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. 0.00 min

Lab File: VY003748.D

Acq: 14 Dec 2020 14:19

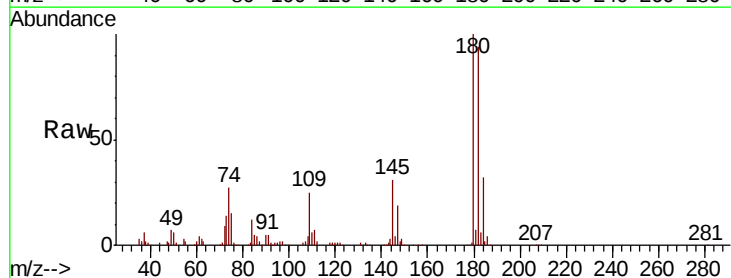
Tgt Ion:180 Resp: 148817

Ion Ratio Lower Upper

180 100

182 95.6 77.0 115.6

145 30.8 25.0 37.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

