

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121820\
 Data File : VY003811.D
 Acq On : 18 Dec 2020 10:17
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 19 00:11:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 16 09:00:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	285239	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	263877	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	135565	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	87530	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.96%
7) Chloroethane-d5	2.77	69	65225	22.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.88%
10) 1,1-Dichloroethene-d2	3.86	63	160351	19.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.44%
20) 2-Butanone-d5	6.90	46	61053	35.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.98%
24) Chloroform-d	7.49	84	156934	21.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.72%
26) 1,2-Dichloroethane-d4	8.15	65	85473	20.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.64%
29) Benzene-d6	8.12	84	338142	22.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.56%
33) 1,2-Dichloropropane-d6	9.12	67	98355	20.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.72%
37) Toluene-d8	10.18	98	308652	22.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.32%
38) trans-1,3-Dichloropropene-	10.44	79	49023	21.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.60%
39) 2-Hexanone-d5	10.79	63	52006	39.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.30%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	89455	21.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.08%
61) 1,2-Dichlorobenzene-d4	13.72	152	112177	23.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	107799	22.144	ug/L 99
3) Chloromethane	2.12	50	105171	23.650	ug/L 99
5) Vinyl chloride	2.26	62	104916	23.485	ug/L 98
6) Bromomethane	2.66	94	63160	23.125	ug/L 100
8) Chloroethane	2.81	64	62103	23.791	ug/L 94
9) Trichlorofluoromethane	3.14	101	144198	21.127	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	90851	21.906	ug/L 98
12) 1,1-Dichloroethene	3.89	96	88876	22.544	ug/L 80
13) Acetone	3.97	43	39649	33.900	ug/L 95
14) Carbon disulfide	4.21	76	309224	22.292	ug/L 99
15) Methyl Acetate	4.49	43	52493	17.231	ug/L 93
16) Methylene chloride	4.73	84	99684	19.467	ug/L 92
17) Methyl tert-butyl Ether	5.23	73	232379	21.008	ug/L 97
18) trans-1,2-Dichloroethene	5.23	96	96945	22.700	ug/L 92
19) 1,1-Dichloroethane	6.03	63	154976	20.983	ug/L 98
21) 2-Butanone	7.00	43	67607	33.255	ug/L 92
22) cis-1,2-Dichloroethene	7.00	96	102916	22.726	ug/L 92

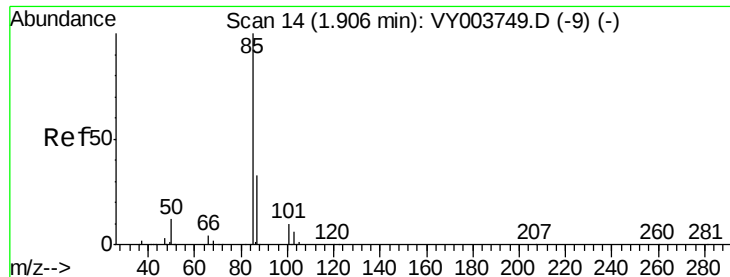
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121820\
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 Quant Title : VOC Analysis
 QLast Update : Wed Dec 16 09:00:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	49238	22.618	ug/L	91
25) Chloroform	7.51	83	157620	21.701	ug/L	100
27) 1,2-Dichloroethane	8.25	62	105773	21.013	ug/L	99
30) Cyclohexane	7.80	56	151472	20.912	ug/L	93
31) 1,1,1-Trichloroethane	7.71	97	142926	22.149	ug/L	98
32) Carbon tetrachloride	7.91	117	131392	23.060	ug/L	100
34) Benzene	8.17	78	385330	22.951	ug/L	100
35) Trichloroethene	8.94	95	100724	22.351	ug/L	96
36) Methylcyclohexane	9.19	83	170200	22.296	ug/L	95
40) 1,2-Dichloropropane	9.22	63	92669	21.295	ug/L	99
41) Bromodichloromethane	9.50	83	117398	21.548	ug/L	95
42) cis-1,3-Dichloropropene	9.93	75	151918	21.971	ug/L	100
43) 4-Methyl-2-pentanone	10.08	43	148963	35.303	ug/L	95
44) Toluene	10.25	91	415136	23.278	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	137524	21.735	ug/L	98
46) 1,1,2-Trichloroethane	10.65	97	79283	22.497	ug/L	99
47) Tetrachloroethene	10.72	164	84795	23.664	ug/L	98
49) 2-Hexanone	10.83	43	107299	37.056	ug/L	94
50) Dibromochloromethane	10.98	129	95053	23.024	ug/L	97
51) 1,2-Dibromoethane	11.09	107	77874	22.304	ug/L	94
52) Chlorobenzene	11.51	112	264772	23.197	ug/L	97
53) Ethylbenzene	11.59	91	444590	22.817	ug/L	98
54) m,p-Xylene	11.70	106	178079	23.693	ug/L	95
55) o-xylene	12.03	106	165770	23.504	ug/L	97
56) Styrene	12.04	104	287659	23.890	ug/L	95
57) Isopropylbenzene	12.33	105	436956	23.201	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	86928	21.113	ug/L	96
59) 1,2,3-Trichloropropane	12.64	75	70982	20.436	ug/L	99
62) Bromoform	12.21	173	61934	22.189	ug/L	97
63) 1,3-Dichlorobenzene	13.37	146	200996	22.931	ug/L	99
64) 1,4-Dichlorobenzene	13.45	146	204761	22.984	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	188441	23.297	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	15136	19.033	ug/L	95
67) 1,3,5-Trichlorobenzene	14.50	180	142905	23.417	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	118334	22.734	ug/L	99
69) Naphthalene	15.23	128	257332	21.668	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	104227	22.016	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 22.144 ug/L

RT: 1.91 min Scan# 15

Delta R.T. 0.01 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

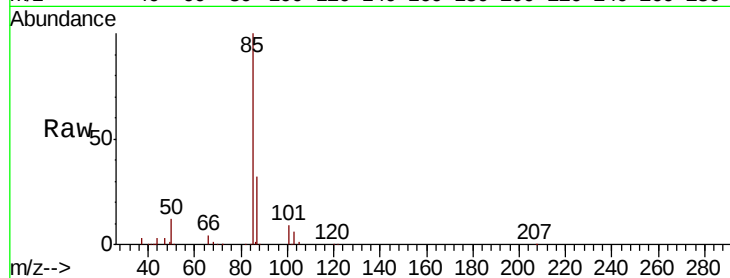
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 85 Resp: 107799

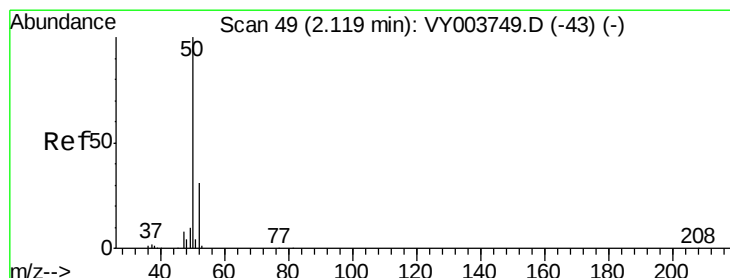
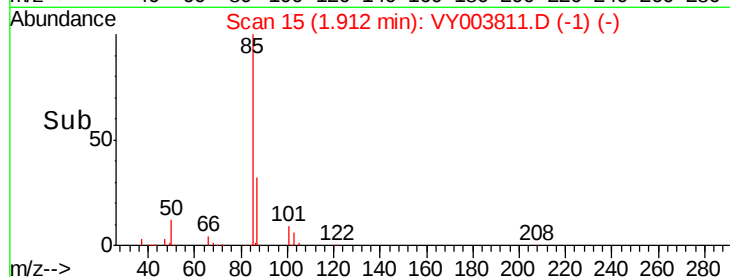
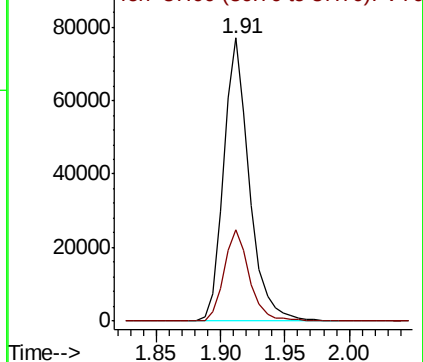
Ion Ratio Lower Upper

85 100

87 32.1 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: 23.650 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003811.D

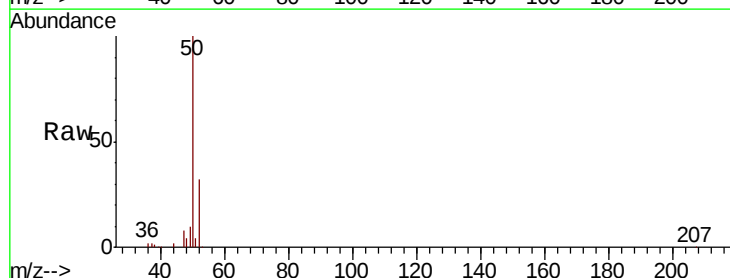
Acq: 18 Dec 2020 10:17

Tgt Ion: 50 Resp: 105171

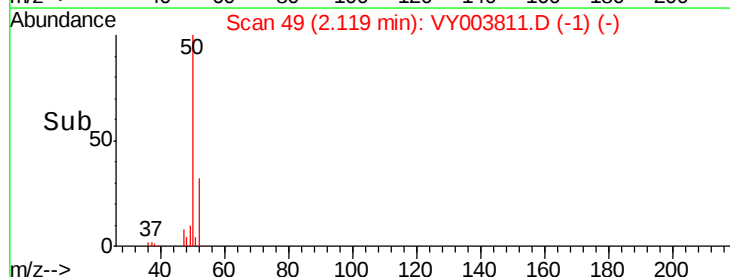
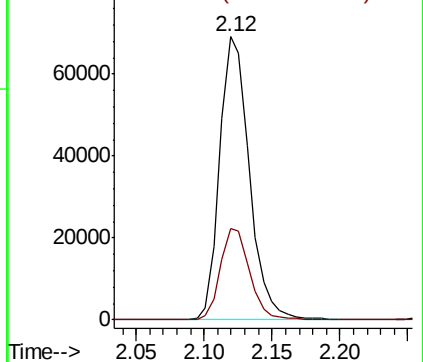
Ion Ratio Lower Upper

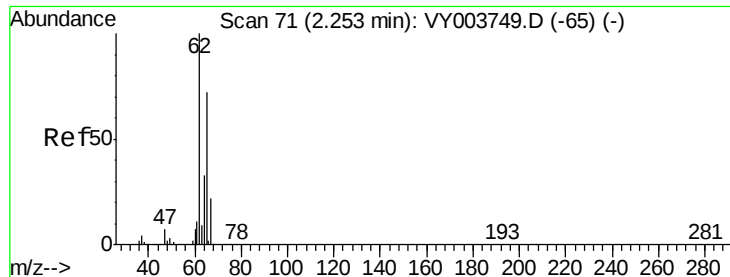
50 100

52 32.1 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: 23.485 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.01 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

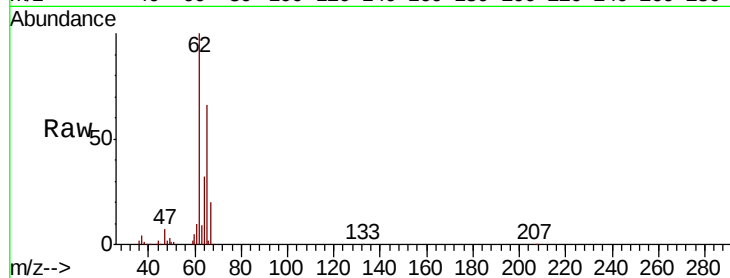
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 62 Resp: 104916

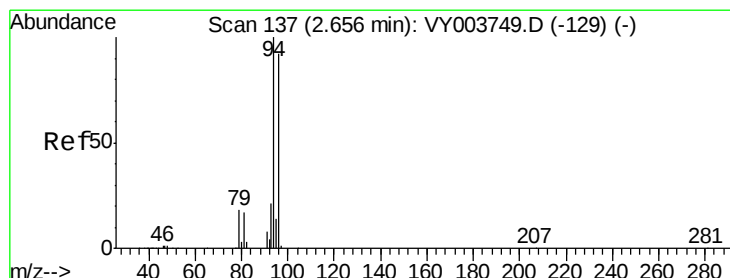
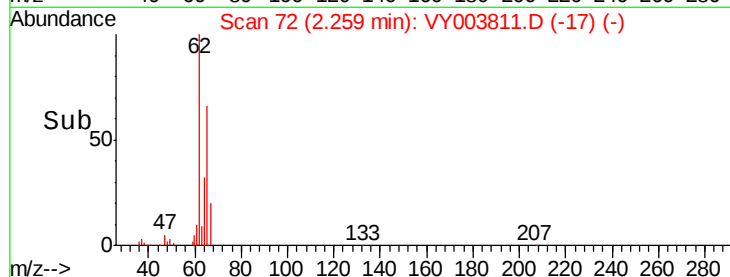
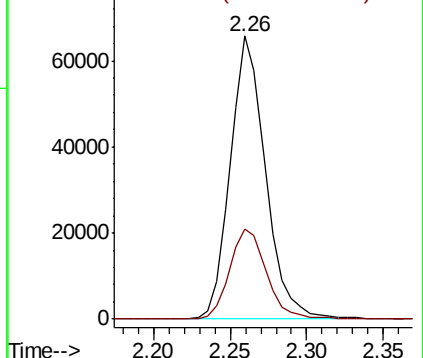
Ion Ratio Lower Upper

62 100

64 32.0 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: 23.125 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.01 min

Lab File: VY003811.D

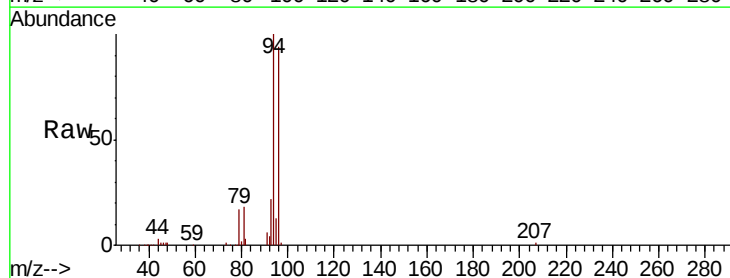
Acq: 18 Dec 2020 10:17

Tgt Ion: 94 Resp: 63160

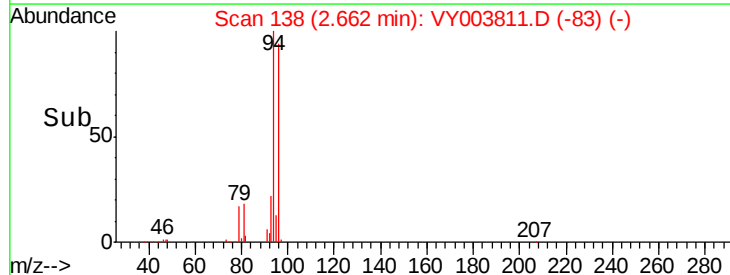
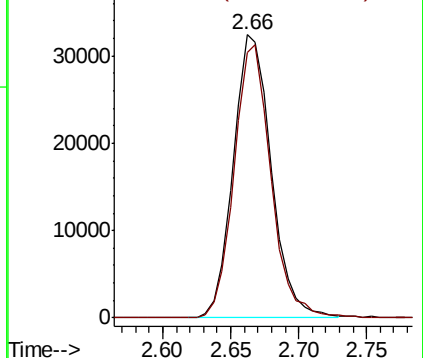
Ion Ratio Lower Upper

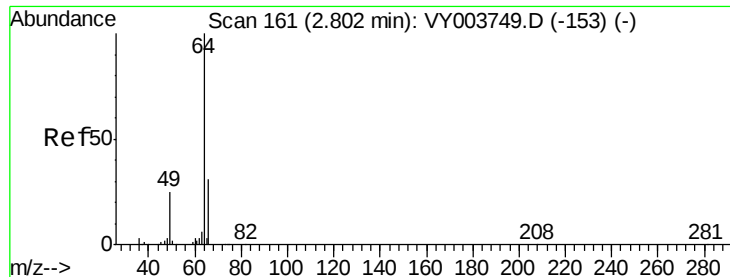
94 100

96 93.9 9.3 177.5



Abundance Ion 94.00 (93.70 to 94.70): VY0
Ion 96.00 (95.70 to 96.70): VY0

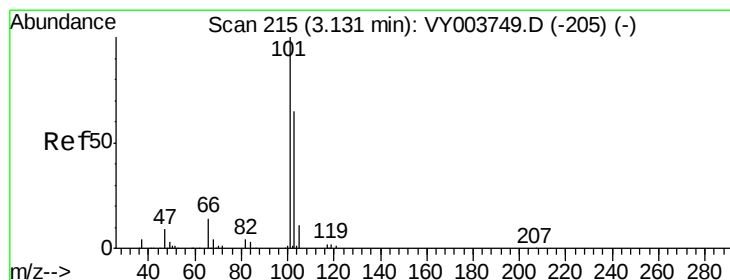
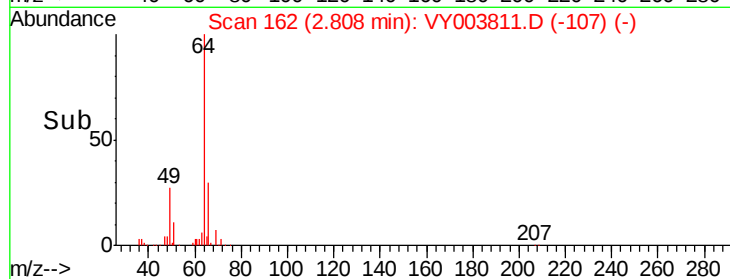
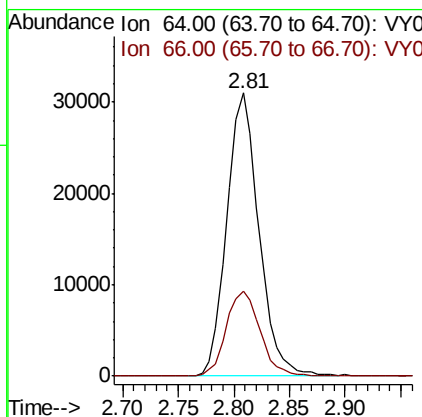
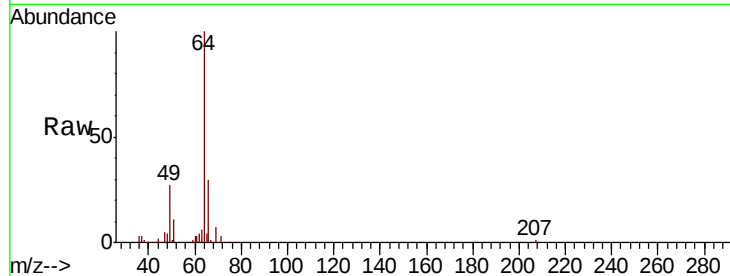




#8
Chloroethane
Concen: 23.791 ug/L
RT: 2.81 min Scan# 162
Delta R.T. 0.01 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

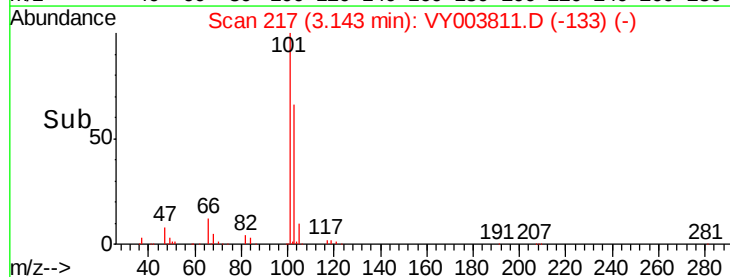
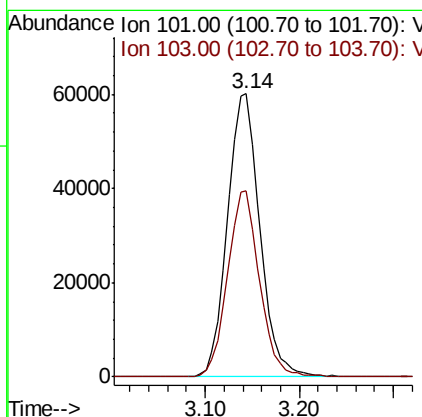
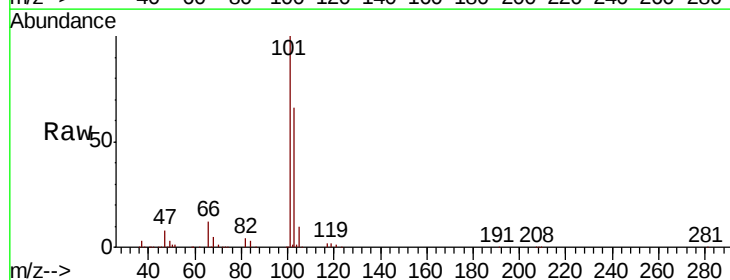
Instrument :
MSVOA_Y
ClientSampleId :

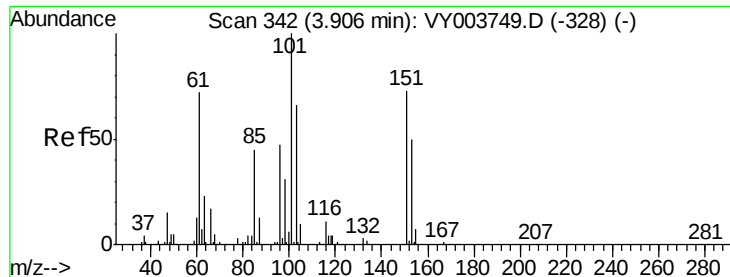
Tot Ion: 64 Resp: 62103
Ion Ratio Lower Upper
64 100
66 29.8 23.1 42.9



#9
Trichlorofluoromethane
Concen: 21.127 ug/L
RT: 3.14 min Scan# 217
Delta R.T. 0.01 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

Tgt Ion:101 Resp: 144198
Ion Ratio Lower Upper
101 100
103 64.3 45.3 84.1





#11

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

Concen: 21.906 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.01 min

Lab File: VY003811.D

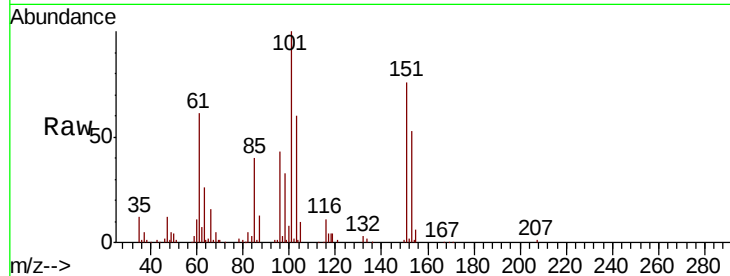
Acq: 18 Dec 2020 10:17

Instrument :

MSVOA_Y

ClientSampleId :

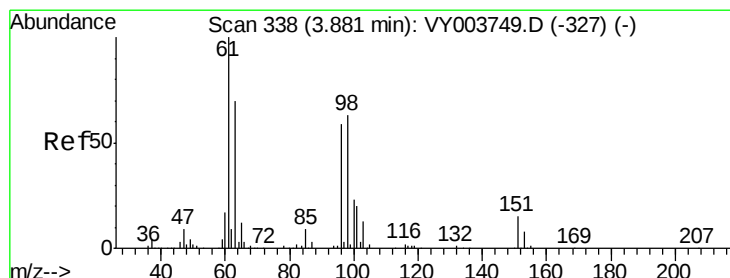
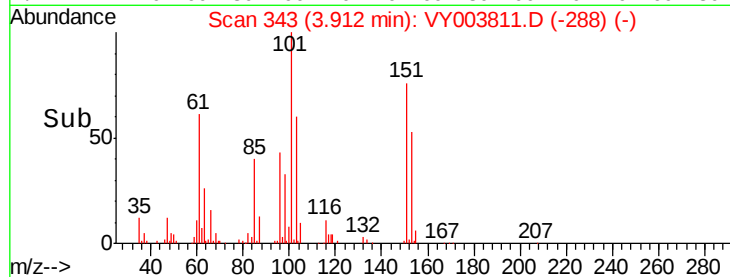
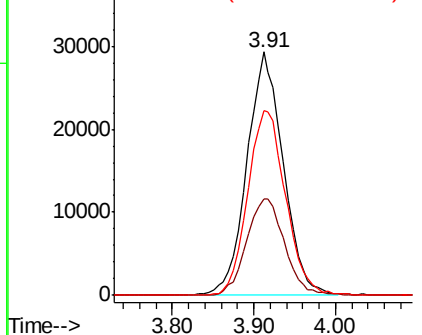
Tot Ion:	101	Resp:	90851
Ion	Ratio	Lower	Upper
101	100		
85	41.0	33.8	50.6
151	79.2	62.1	93.1



Abundance Ion 101.00 (100.70 to 101.70): VY003749.D (-328) (-)

Ion 85.00 (84.70 to 85.70): VY003749.D (-328) (-)

Ion 151.00 (150.70 to 151.70): VY003749.D (-328) (-)



#12

1,1-Dichloroethene

Concen: 22.544 ug/L

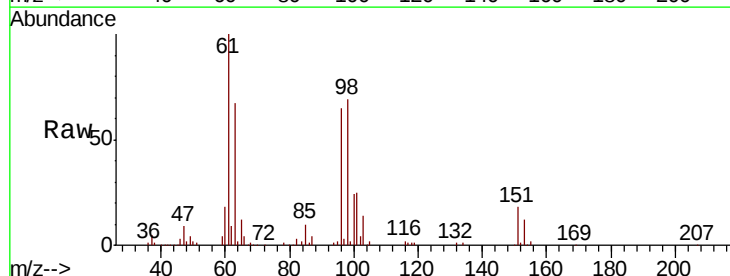
RT: 3.89 min Scan# 339

Delta R.T. 0.01 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

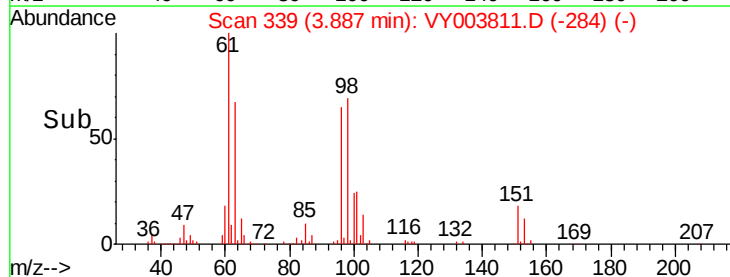
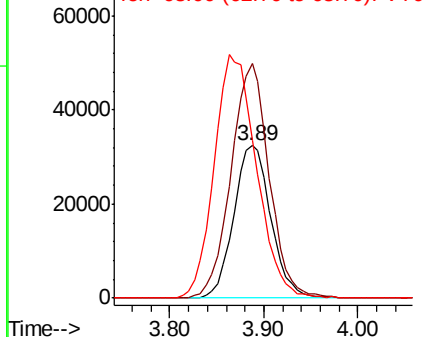
Tgt Ion:	96	Resp:	88876
Ion	Ratio	Lower	Upper
96	100		
61	153.8	117.3	217.9
63	103.7	99.5	184.7

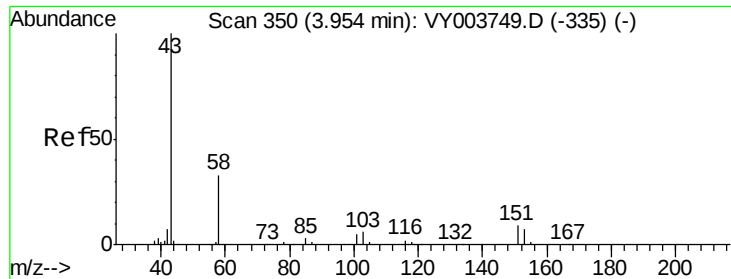


Abundance Ion 96.00 (95.70 to 96.70): VY003749.D (-327) (-)

Ion 61.00 (60.70 to 61.70): VY003749.D (-327) (-)

Ion 63.00 (62.70 to 63.70): VY003749.D (-327) (-)





#13

Acetone

Concen: 33.900 ug/L

RT: 3.97 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

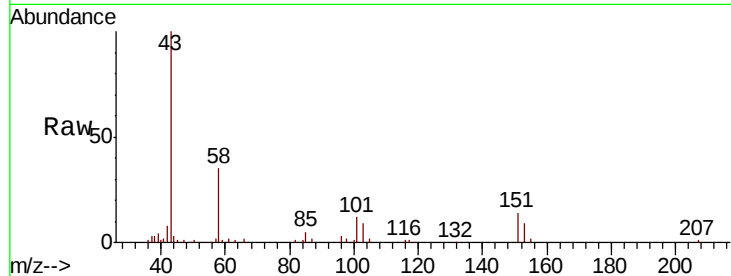
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 39649

Ion Ratio Lower Upper

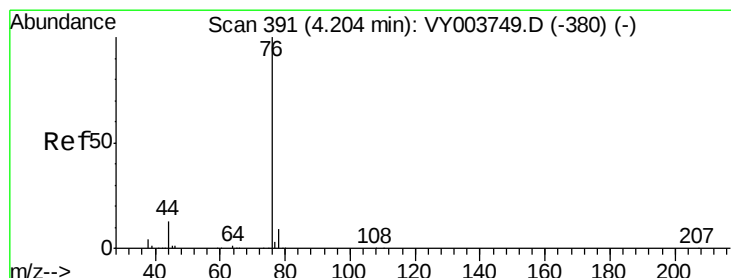
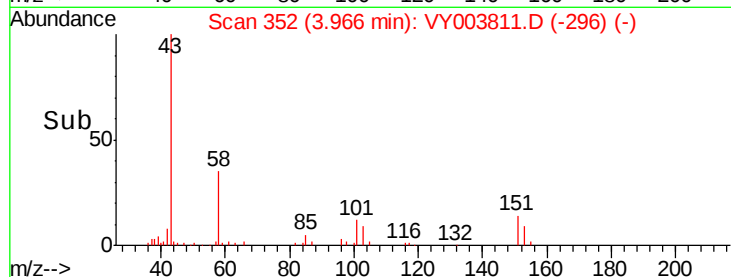
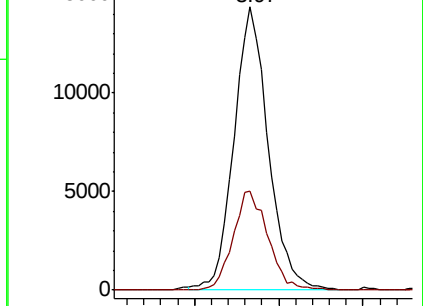
43 100

58 35.5 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VY003811.D (-352) (-)

Ion 58.00 (57.70 to 58.70): VY003811.D (-352) (-)



#14

Carbon disulfide

Concen: 22.292 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.01 min

Lab File: VY003811.D

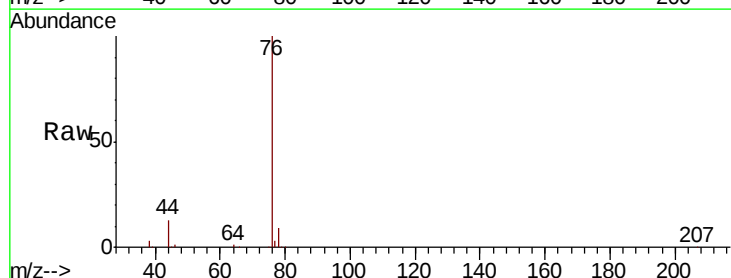
Acq: 18 Dec 2020 10:17

Tgt Ion: 76 Resp: 309224

Ion Ratio Lower Upper

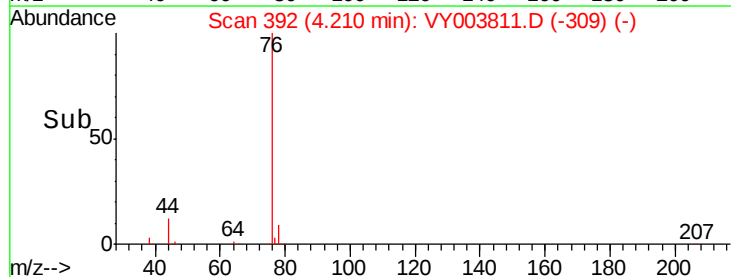
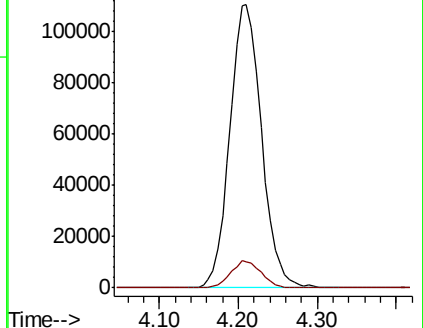
76 100

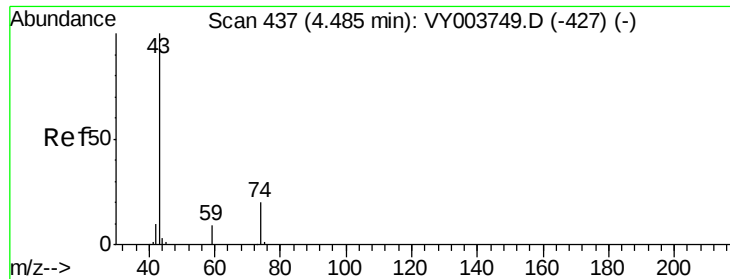
78 9.1 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY003811.D (-392) (-)

Ion 78.00 (77.70 to 78.70): VY003811.D (-392) (-)

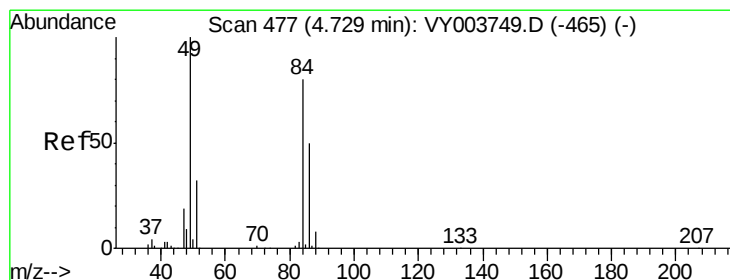
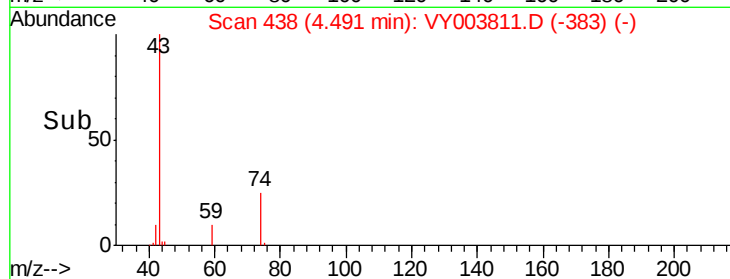
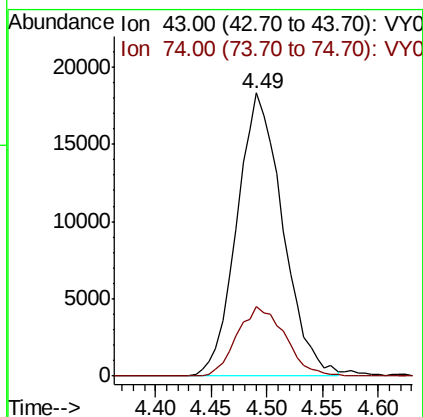
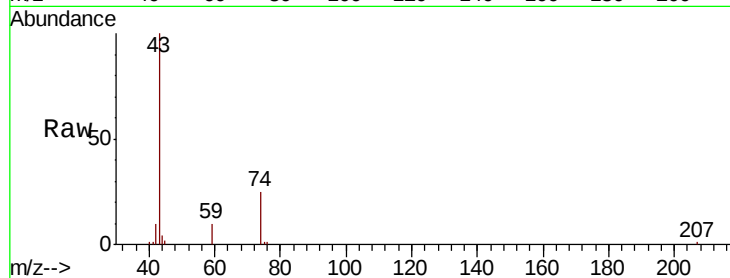




#15
Methyl Acetate
Concen: 17.231 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.01 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

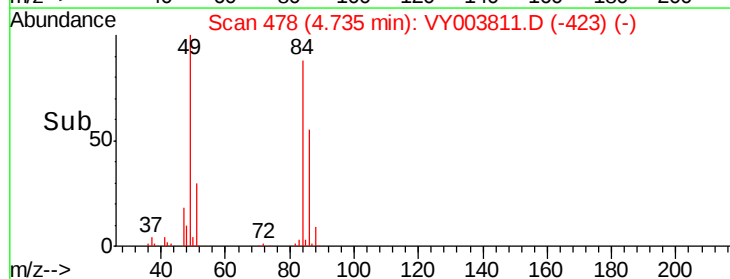
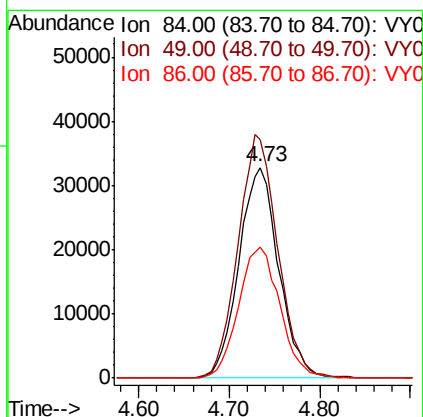
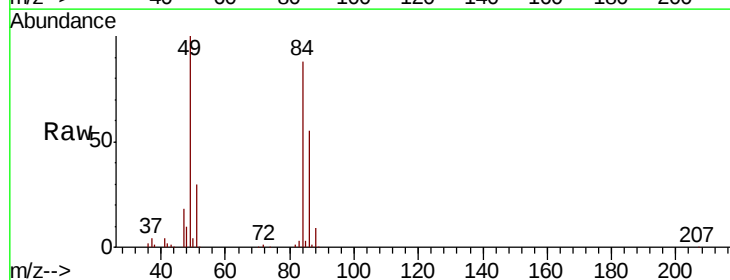
Instrument :
MSVOA_Y
ClientSampleId :

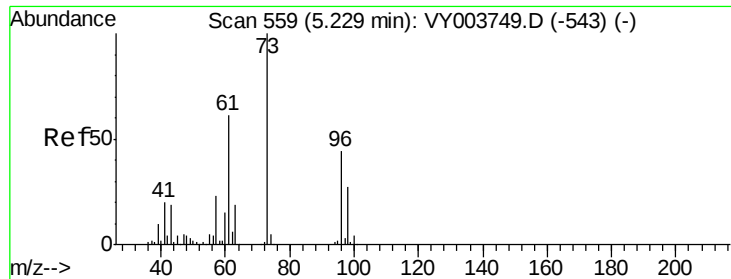
Tot Ion: 43 Resp: 52493
Ion Ratio Lower Upper
43 100
74 25.6 17.7 26.5



#16
Methylene chloride
Concen: 19.467 ug/L
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

Tgt Ion: 84 Resp: 99684
Ion Ratio Lower Upper
84 100
49 113.6 88.2 163.8
86 62.1 43.0 79.8

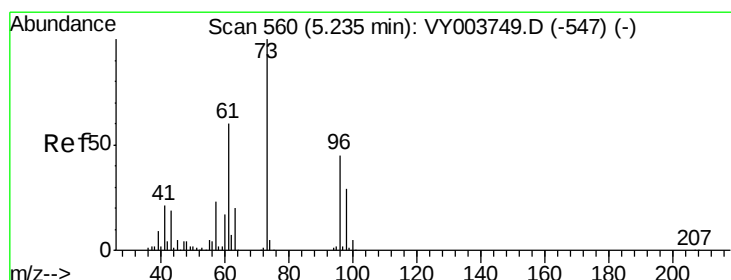
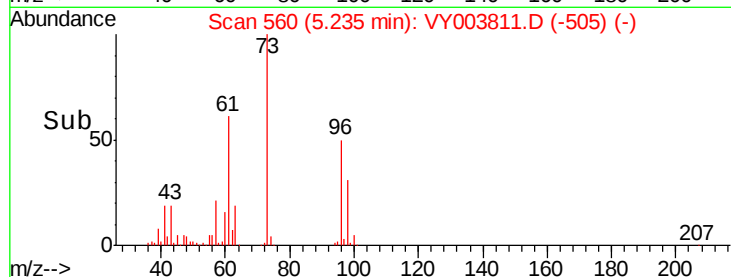
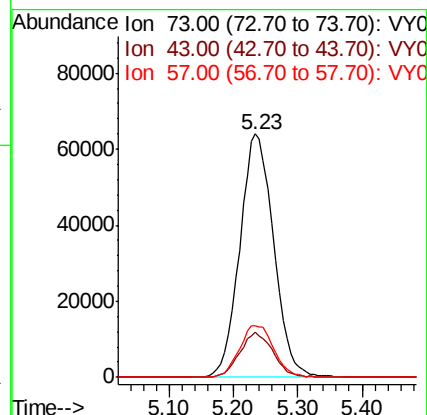
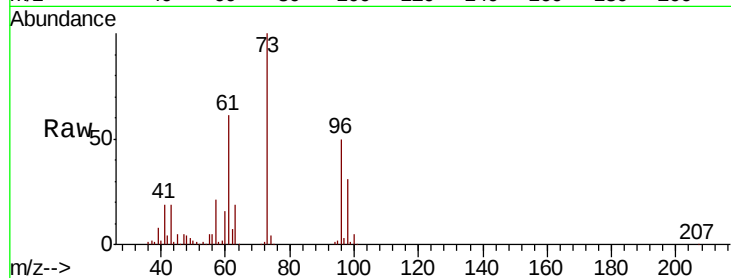




#17
Methvl tert-butvl Ether
Concen: 21.008 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.01 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

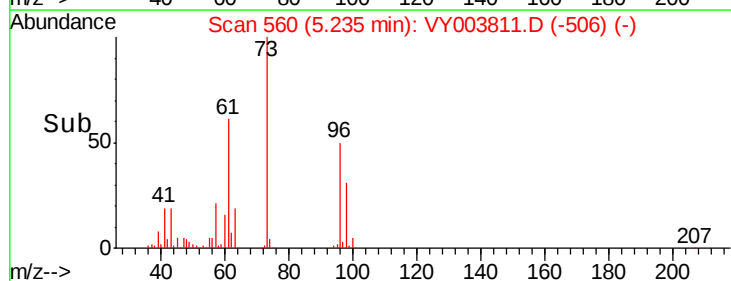
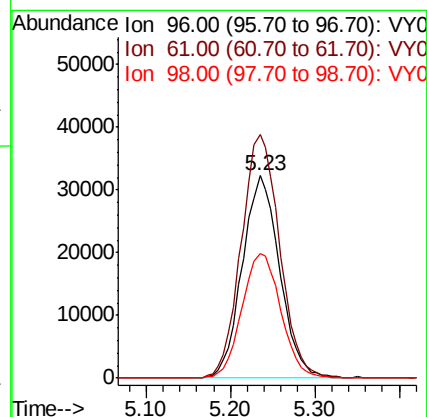
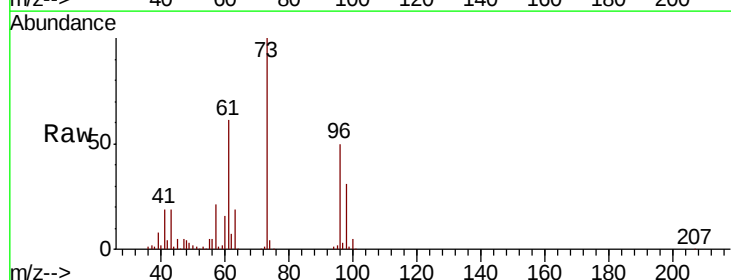
Instrument :
MSVOA_Y
ClientSampled :

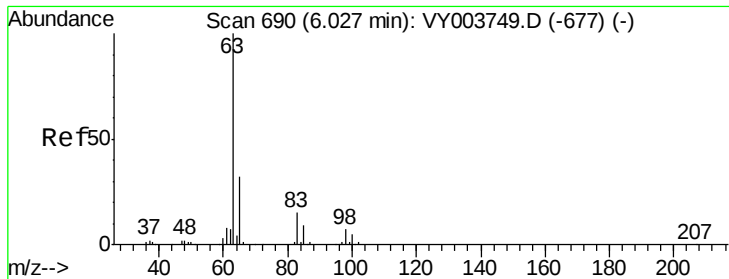
Tot Ion: 73 Resp: 232379
Ion Ratio Lower Upper
73 100
43 18.2 15.5 23.3
57 21.7 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 22.700 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.00 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

Tgt Ion: 96 Resp: 96945
Ion Ratio Lower Upper
96 100
61 120.2 93.9 174.5
98 61.5 43.5 80.7





#19

1,1-Dichloroethane

Concen: 20.983 ug/L

RT: 6.03 min Scan# 691

Delta R.T. 0.01 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

Instrument :
MSVOA_Y
ClientSampleId :

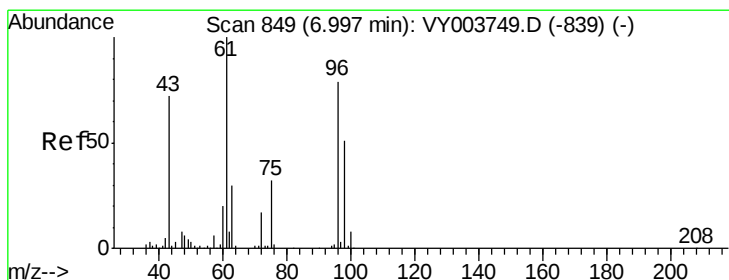
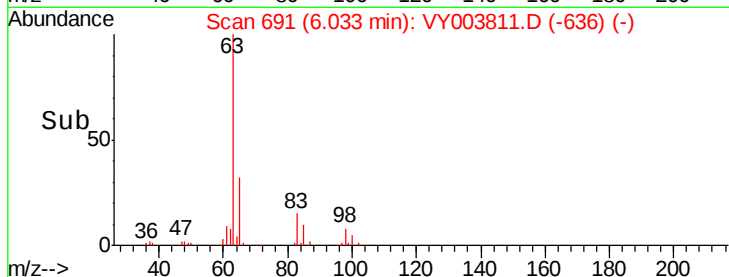
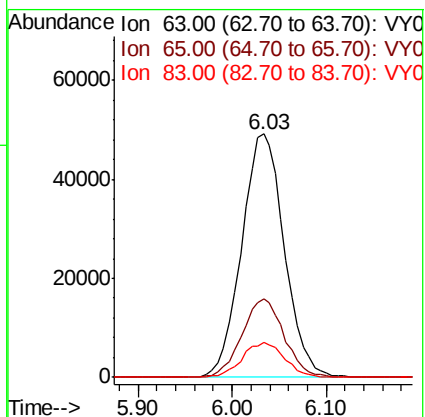
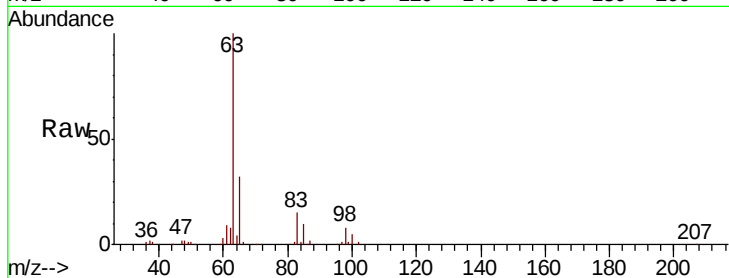
Tot Ion: 63 Resp: 154976

Ion Ratio Lower Upper

63 100

65 32.4 22.3 41.3

83 14.6 9.4 17.6



#21

2-Butanone

Concen: 33.255 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VY003811.D

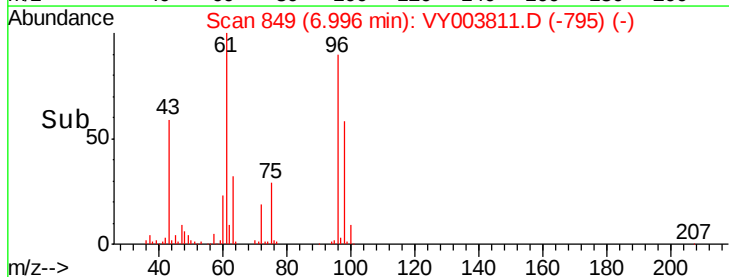
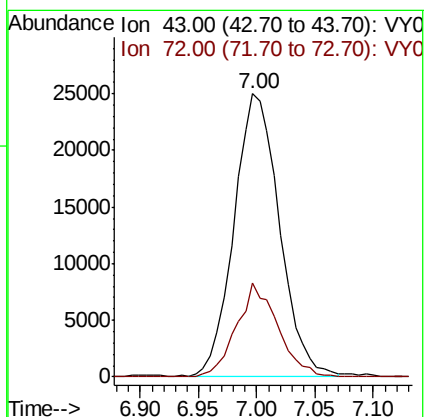
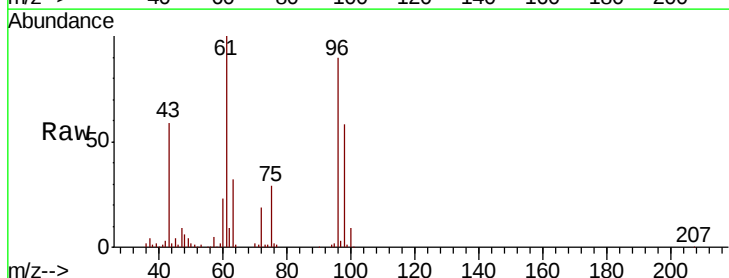
Acq: 18 Dec 2020 10:17

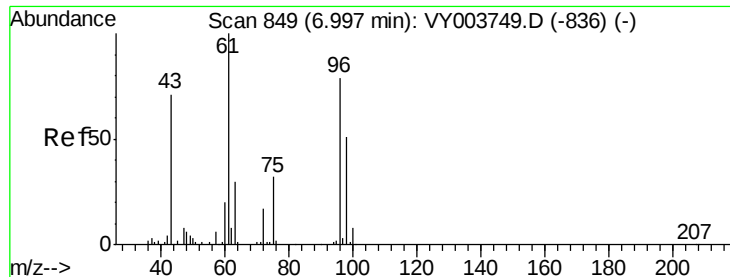
Tgt Ion: 43 Resp: 67607

Ion Ratio Lower Upper

43 100

72 30.0 13.0 39.0



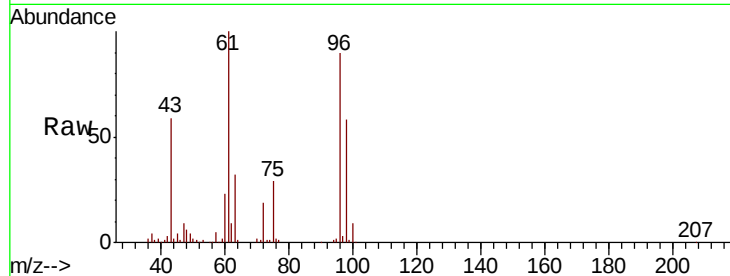


#22

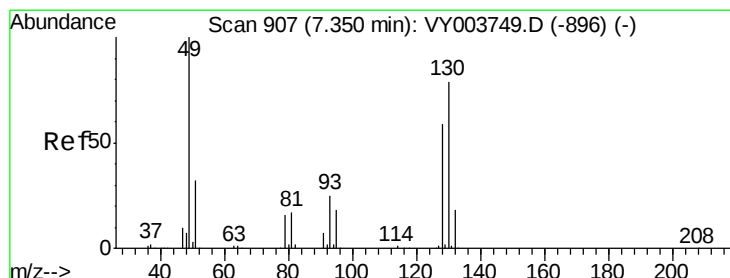
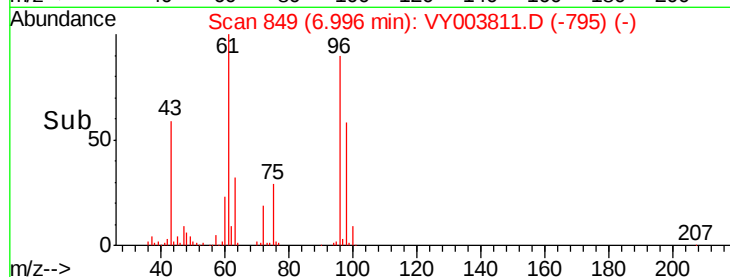
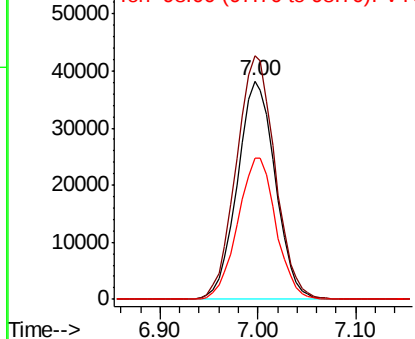
cis-1,2-Dichloroethene
Concen: 22.726 ug/L
RT: 7.00 min Scan# 849
Delta R.T. -0.00 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 96 Resp: 102916
Ion Ratio Lower Upper
96 100
61 111.7 88.0 163.4
98 64.5 45.4 84.4



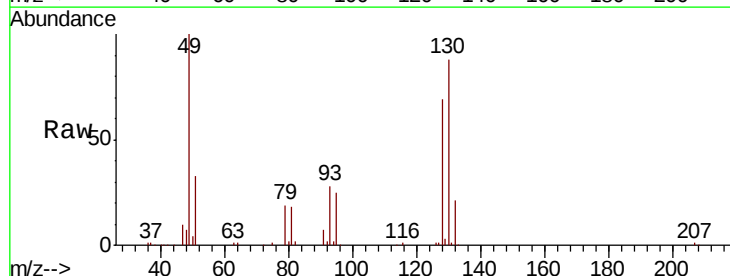
Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0



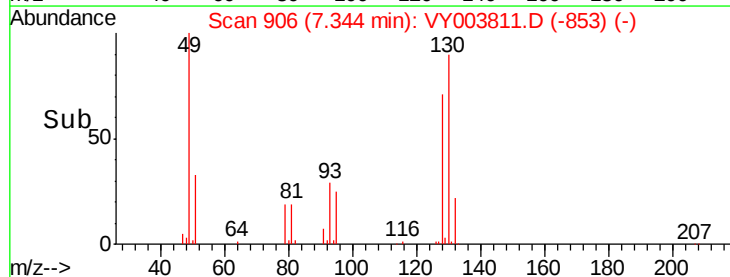
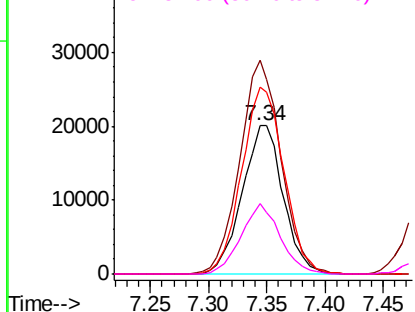
#23

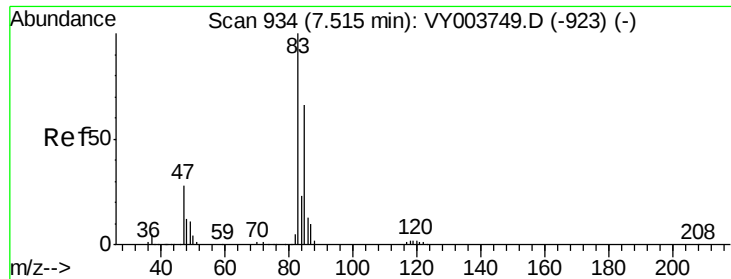
Bromochloromethane
Concen: 22.618 ug/L
RT: 7.34 min Scan# 906
Delta R.T. -0.01 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

Tgt Ion: 128 Resp: 49238
Ion Ratio Lower Upper
128 100
49 144.1 115.1 213.8
130 126.2 88.9 165.1
51 47.5 41.6 62.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VY0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VY0





#25

Chloroform

Concen: 21.701 ug/L

RT: 7.51 min Scan# 934

Delta R.T. -0.00 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

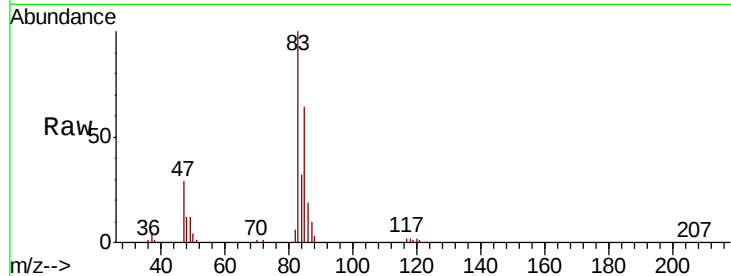
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 83 Resp: 157620

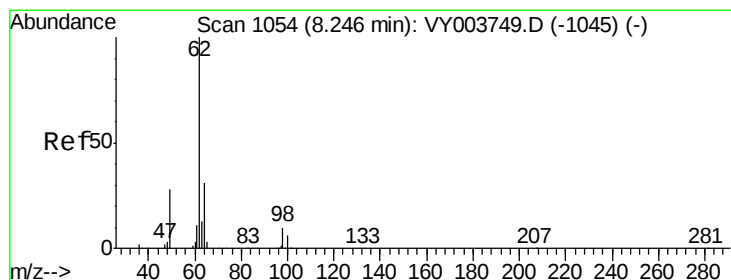
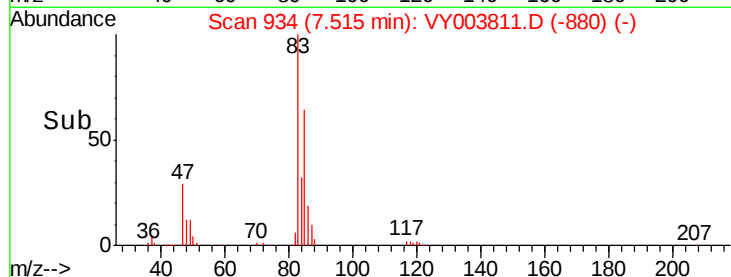
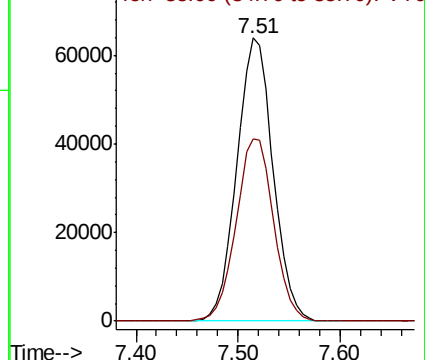
Ion Ratio Lower Upper

83 100

85 66.6 46.5 86.3



Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 21.013 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY003811.D

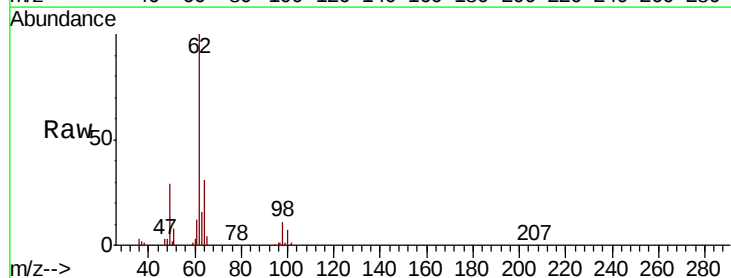
Acq: 18 Dec 2020 10:17

Tgt Ion: 62 Resp: 105773

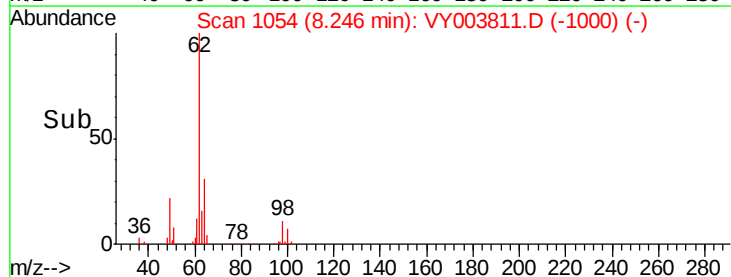
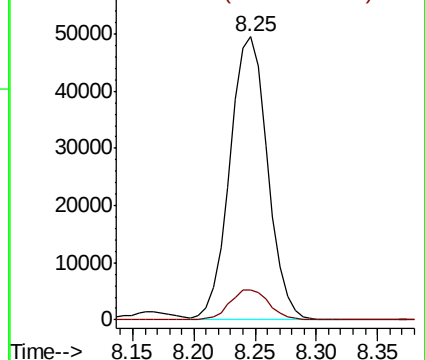
Ion Ratio Lower Upper

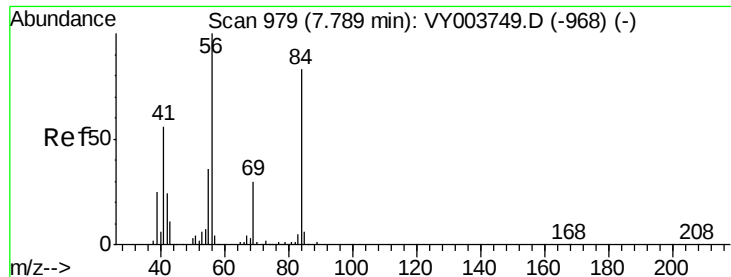
62 100

98 10.7 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

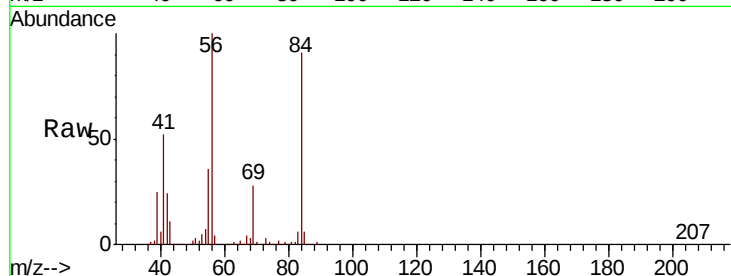




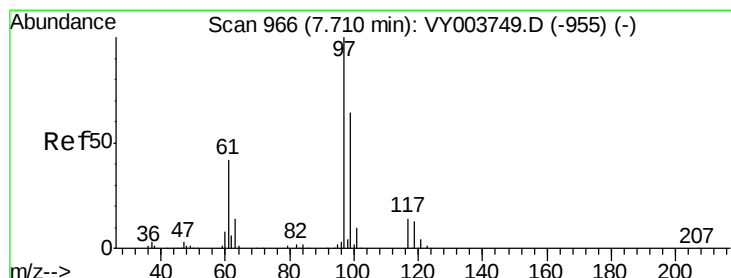
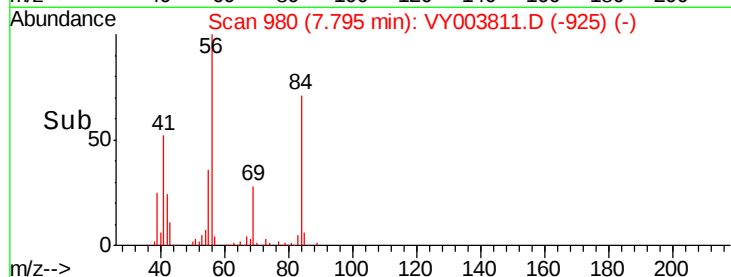
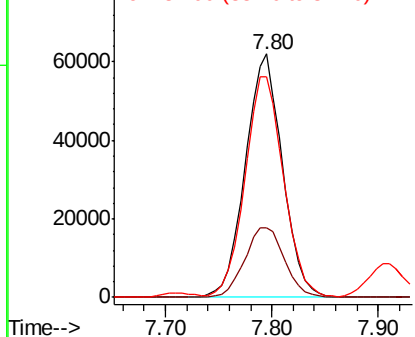
#30
Cyclohexane
Concen: 20.912 ug/L
RT: 7.80 min Scan# 980
Delta R.T. 0.01 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 151472
Ion Ratio Lower Upper
56 100
69 30.5 23.4 35.0
84 94.2 68.6 103.0

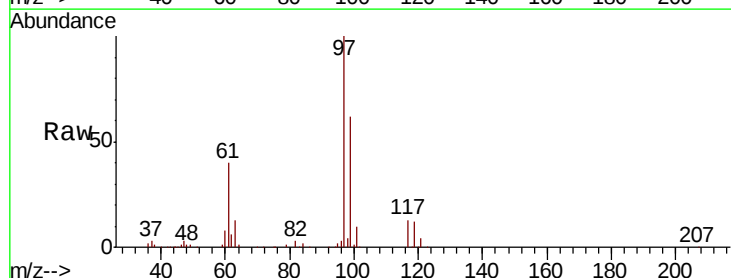


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

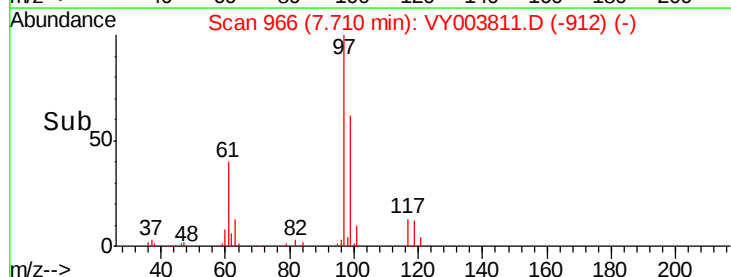
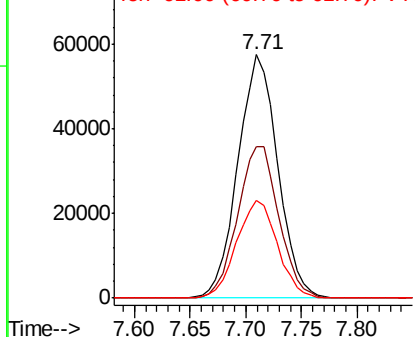


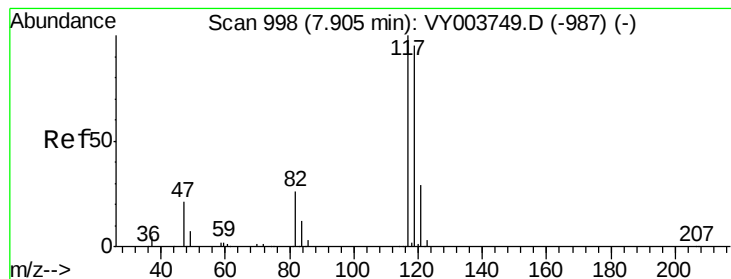
#31
1,1,1-Trichloroethane
Concen: 22.149 ug/L
RT: 7.71 min Scan# 966
Delta R.T. -0.00 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

Tgt Ion: 97 Resp: 142926
Ion Ratio Lower Upper
97 100
99 64.4 50.8 76.2
61 41.2 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: 23.060 ug/L

RT: 7.91 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

Instrument :

MSVOA_Y

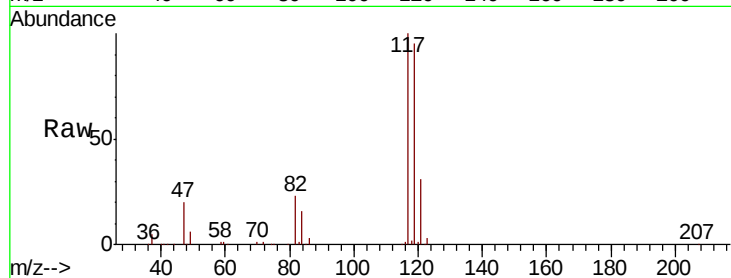
ClientSampled :

Tot Ion:117 Resp: 131392

Ion Ratio Lower Upper

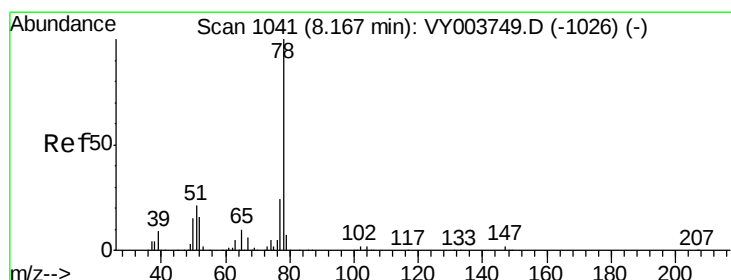
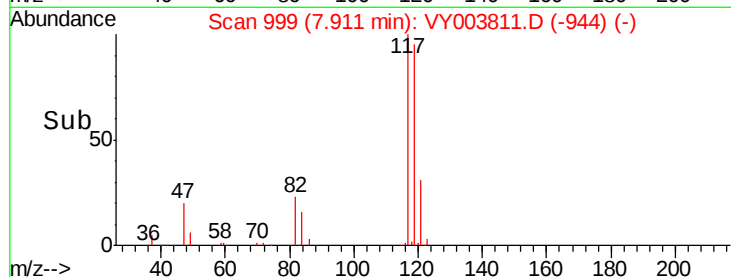
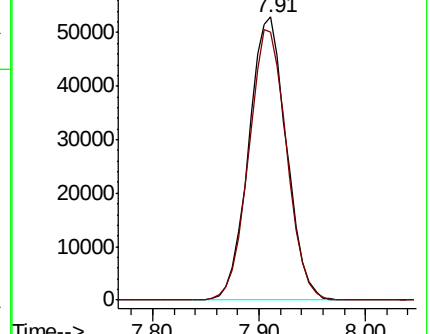
117 100

119 96.0 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 22.951 ug/L

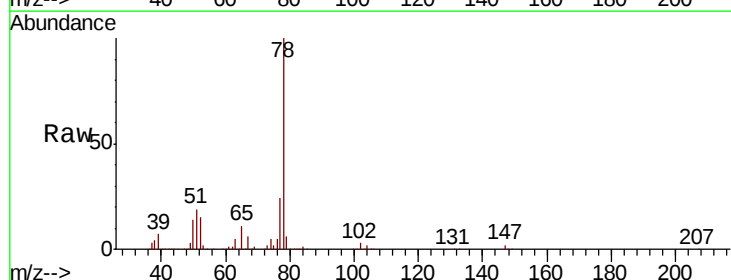
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

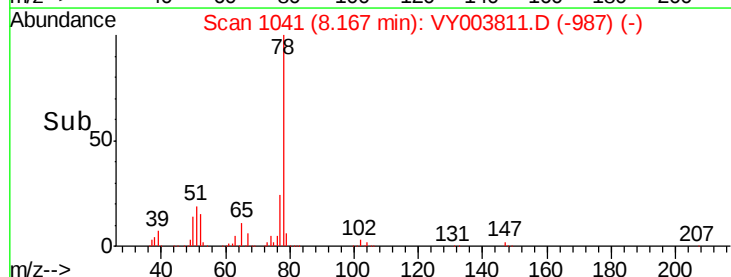
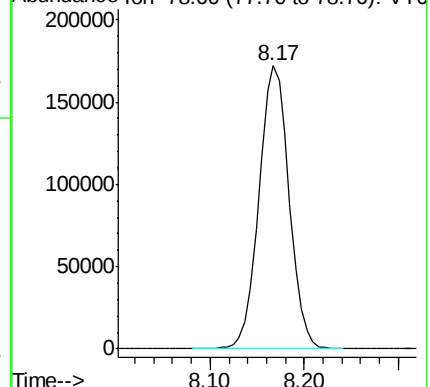
Lab File: VY003811.D

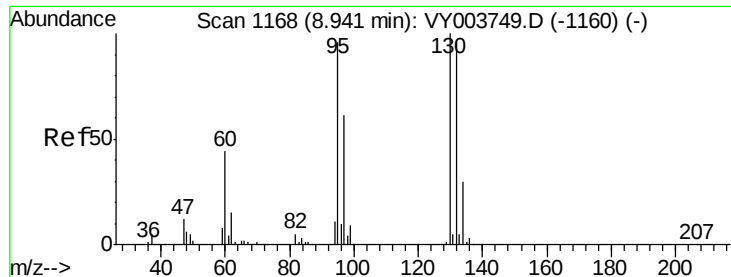
Acq: 18 Dec 2020 10:17

Tgt Ion: 78 Resp: 385330



Abundance Ion 78.00 (77.70 to 78.70): VY0

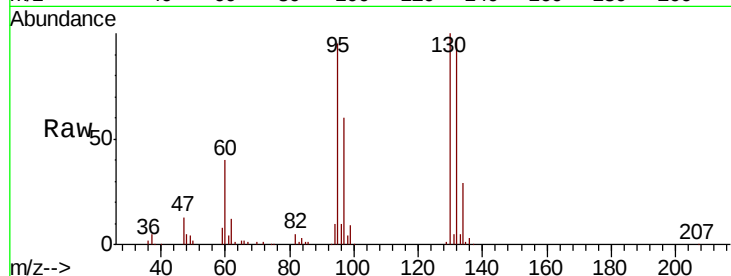




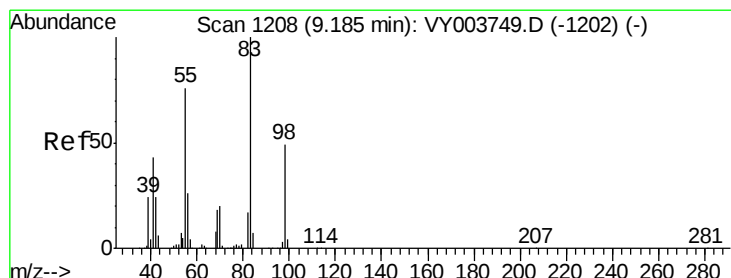
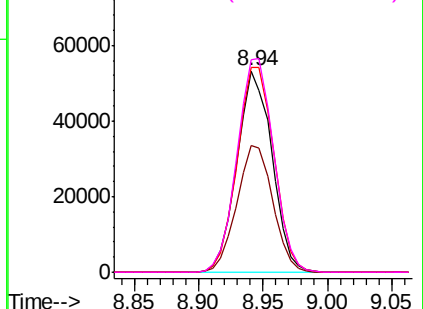
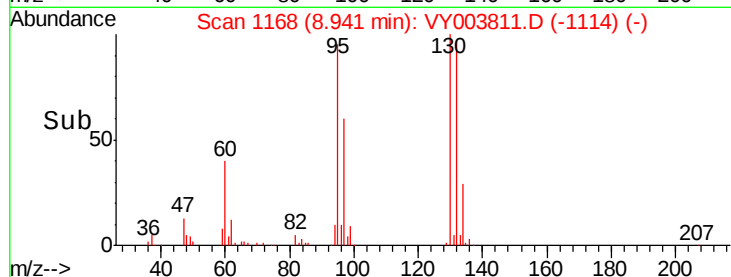
#35
 Trichloroethene
 Concen: 22.351 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: VY003811.D
 Acq: 18 Dec 2020 10:17

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:	95	Resp:	100724
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.4	84.4
132	106.4	70.8	131.4
130	110.2	74.1	137.7

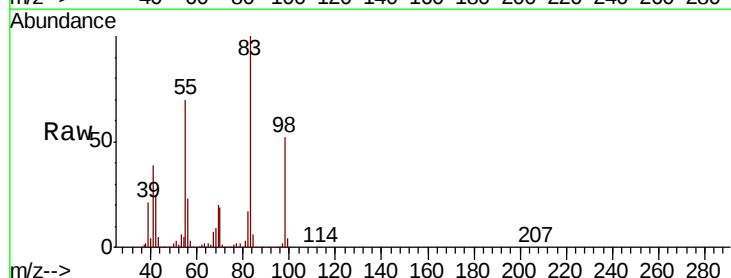


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

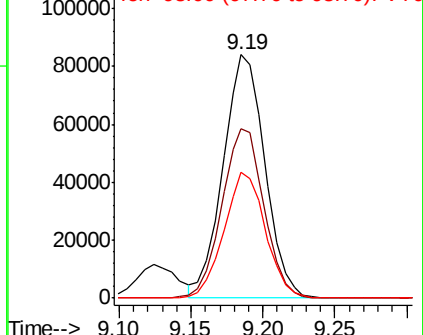
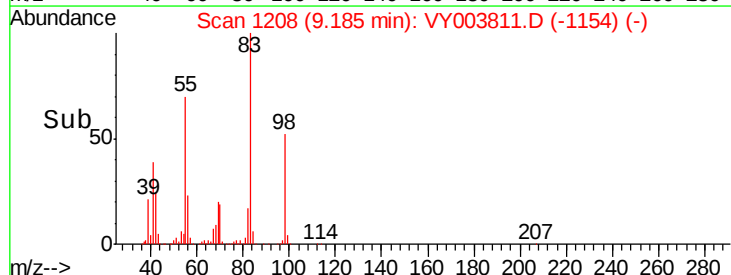


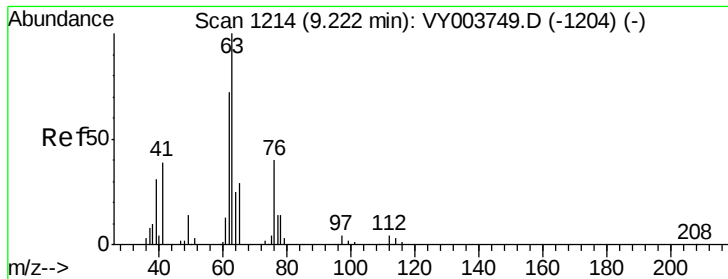
#36
 Methylcyclohexane
 Concen: 22.296 ug/L
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VY003811.D
 Acq: 18 Dec 2020 10:17

Tgt Ion:	83	Resp:	170200
Ion	Ratio	Lower	Upper
83	100		
55	69.6	60.3	90.5
98	51.3	40.4	60.6



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

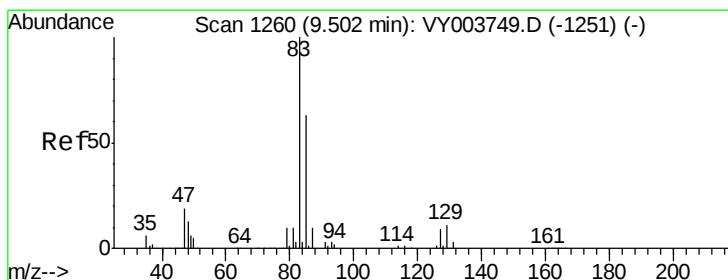
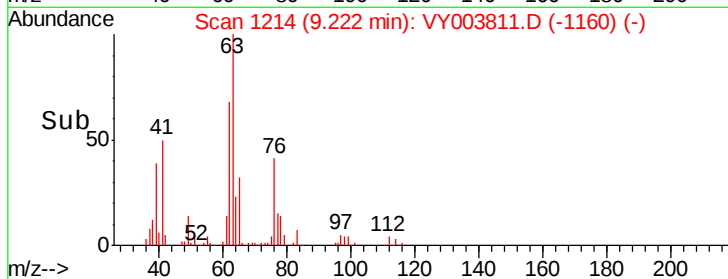
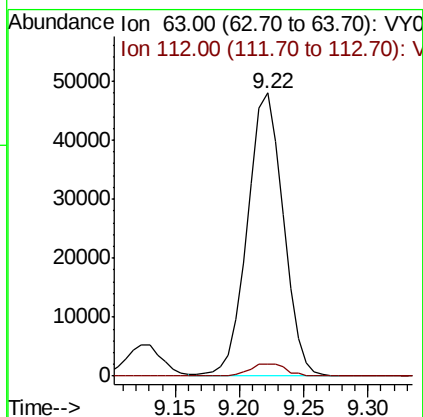
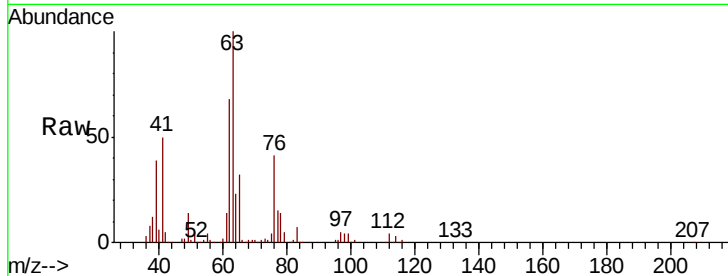




#40
 1,2-Dichloropropane
 Concen: 21.295 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. -0.00 min
 Lab File: VY003811.D
 Acq: 18 Dec 2020 10:17

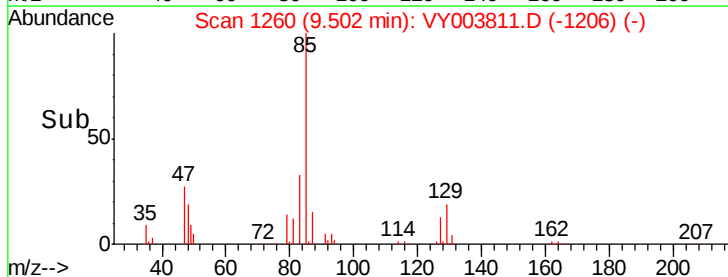
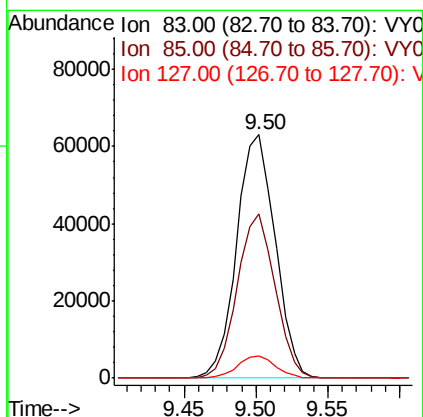
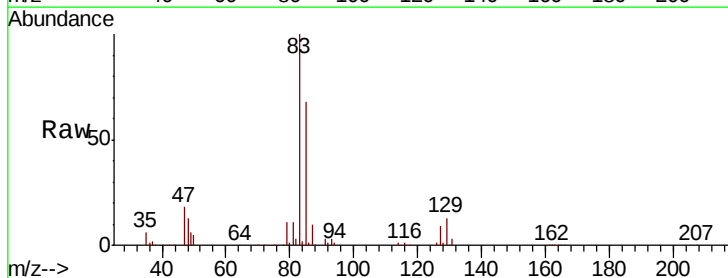
Instrument :
 MSVOA_Y
 ClientSampleId :

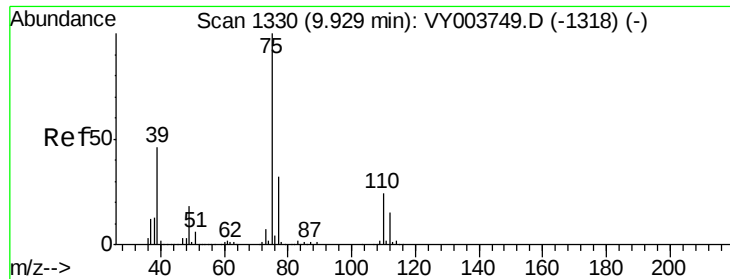
Tot Ion: 63 Resp: 92669
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.4 5.2



#41
 Bromodichloromethane
 Concen: 21.548 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VY003811.D
 Acq: 18 Dec 2020 10:17

Tgt Ion: 83 Resp: 117398
 Ion Ratio Lower Upper
 83 100
 85 67.5 44.2 82.2
 127 8.9 6.6 10.0



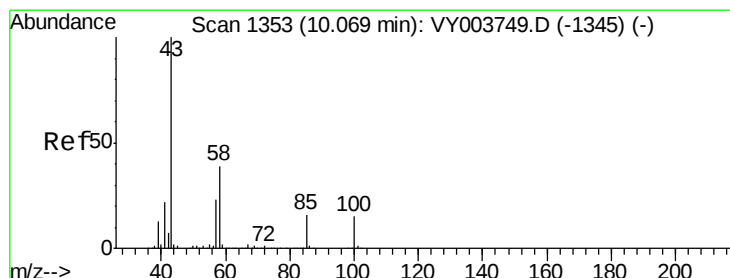
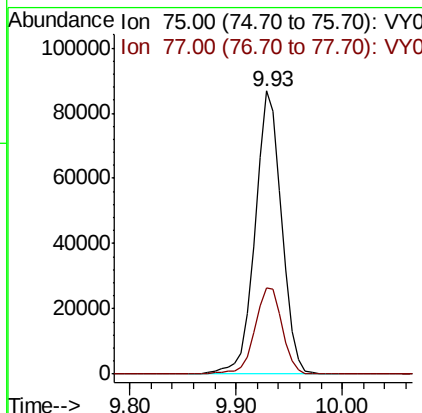
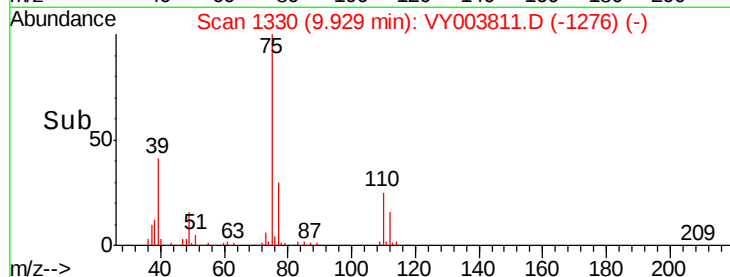
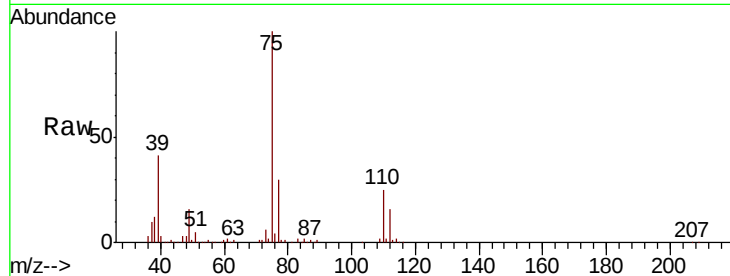


#42

cis-1,3-Dichloropropene
Concen: 21.971 ug/L
RT: 9.93 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

Instrument :
MSVOA_Y
ClientSampleId :

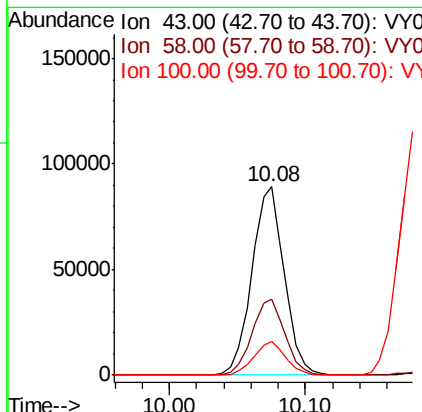
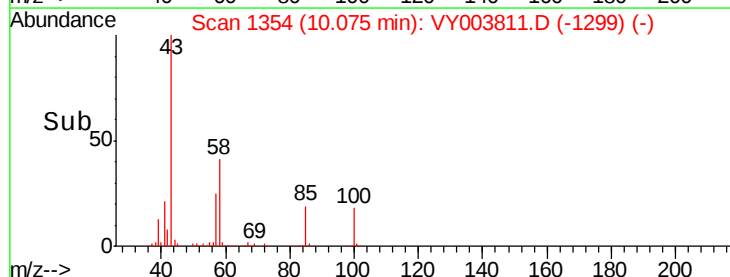
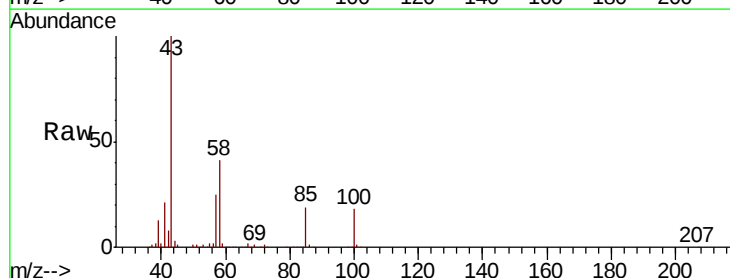
Tot Ion: 75 Resp: 151918
Ion Ratio Lower Upper
75 100
77 30.3 21.3 39.6

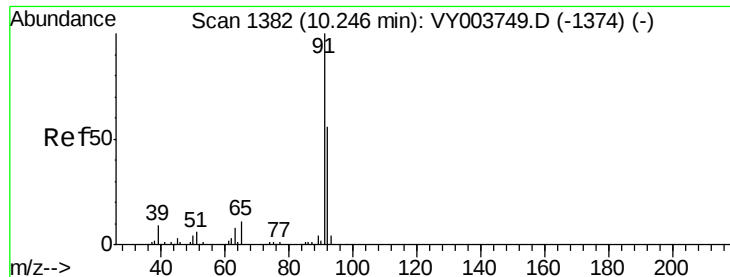


#43

4-Methyl-2-pentanone
Concen: 35.303 ug/L
RT: 10.08 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

Tgt Ion: 43 Resp: 148963
Ion Ratio Lower Upper
43 100
58 41.1 30.8 46.2
100 17.5 11.8 17.8





#44

Toluene

Concen: 23.278 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

Instrument :

MSVOA_Y

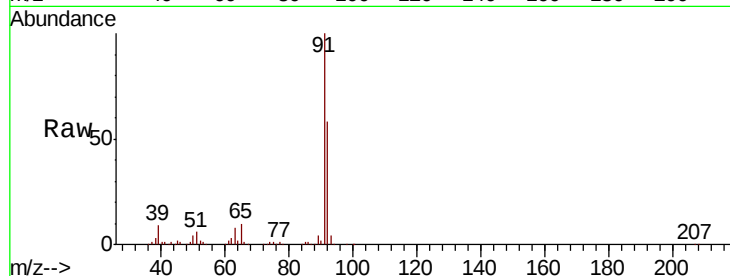
ClientSampled :

Tot Ion: 91 Resp: 415136

Ion Ratio Lower Upper

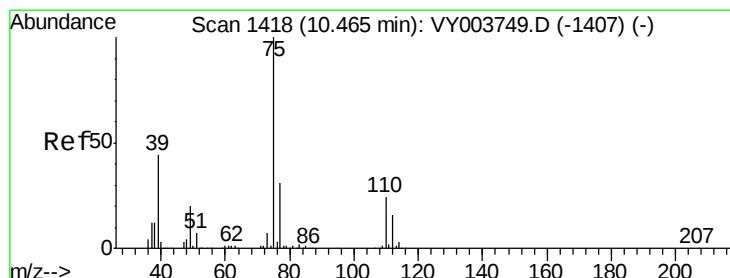
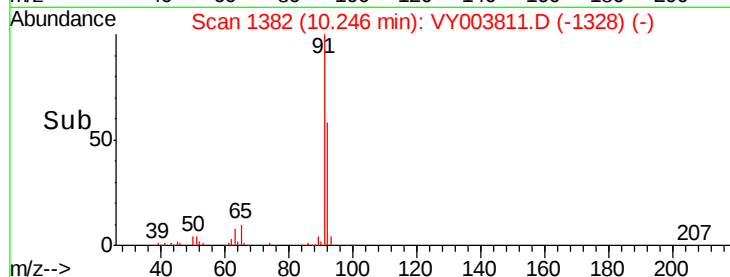
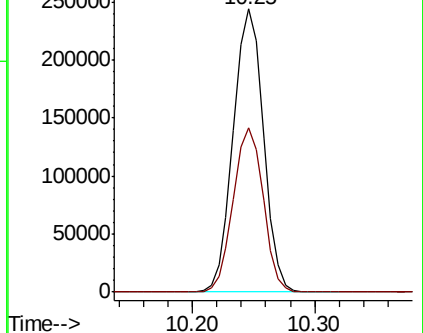
91 100

92 57.9 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0



#45

trans-1,3-Dichloropropene

Concen: 21.735 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003811.D

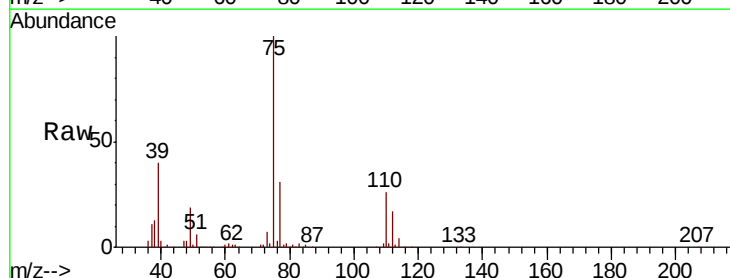
Acq: 18 Dec 2020 10:17

Tgt Ion: 75 Resp: 137524

Ion Ratio Lower Upper

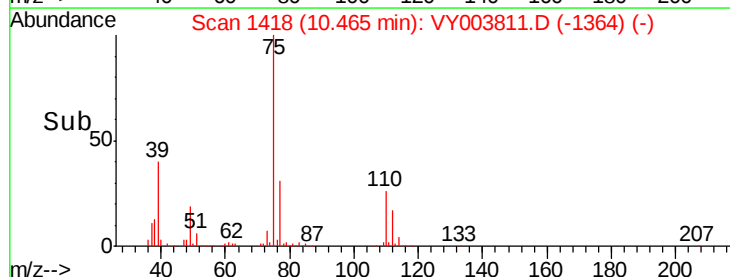
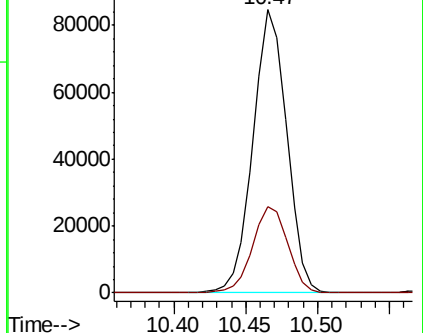
75 100

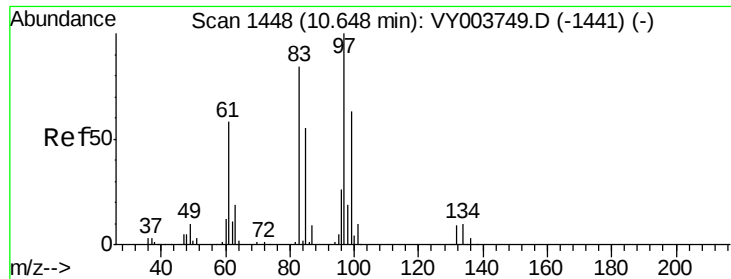
77 30.5 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

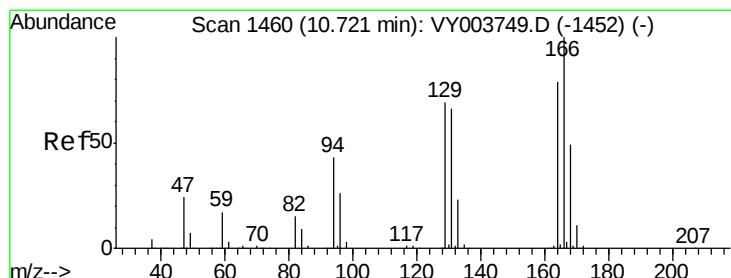
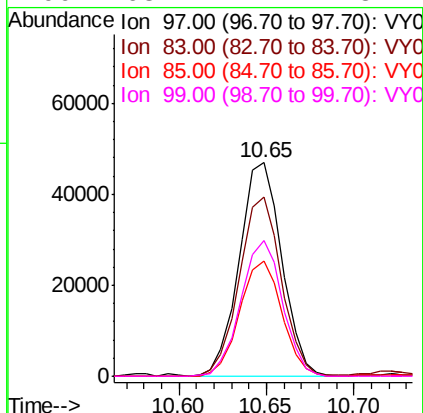
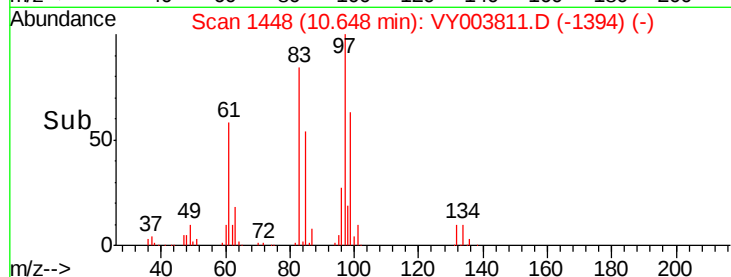
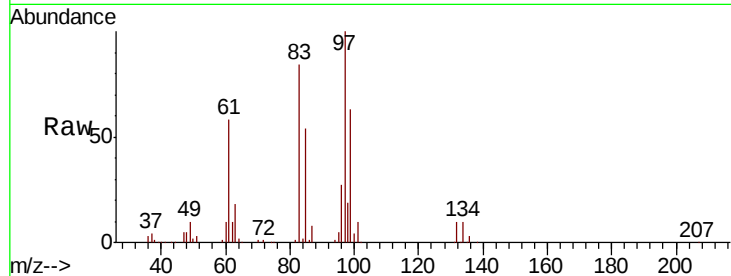




#46
1,1,2-Trichloroethane
Concen: 22.497 ug/L
RT: 10.65 min Scan# 1448
Delta R.T. -0.00 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

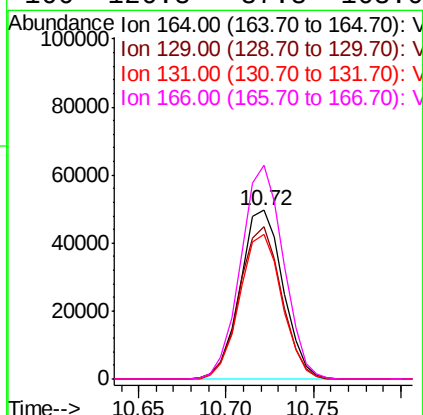
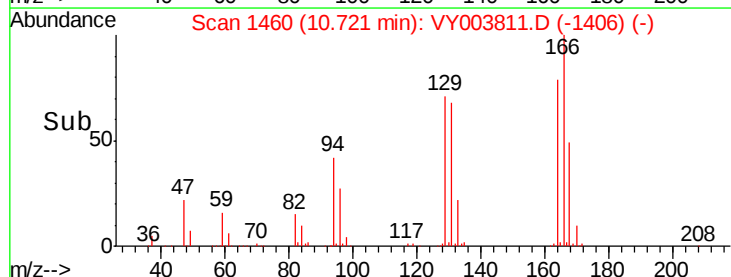
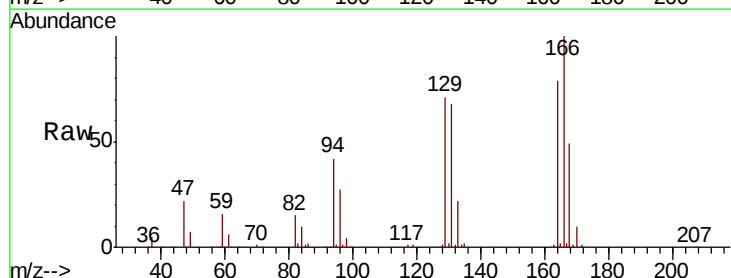
Instrument :
MSVOA_Y
ClientSampleId :

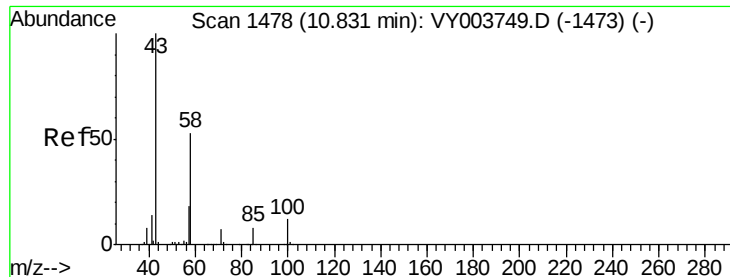
Tot Ion: 97 Resp: 79283
Ion Ratio Lower Upper
97 100
83 83.9 60.0 111.4
85 54.1 38.9 72.2
99 63.4 44.4 82.4



#47
Tetrachloroethene
Concen: 23.664 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. -0.00 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

Tgt Ion:164 Resp: 84795
Ion Ratio Lower Upper
164 100
129 90.4 61.3 113.9
131 86.0 60.4 112.2
166 126.8 87.8 163.0

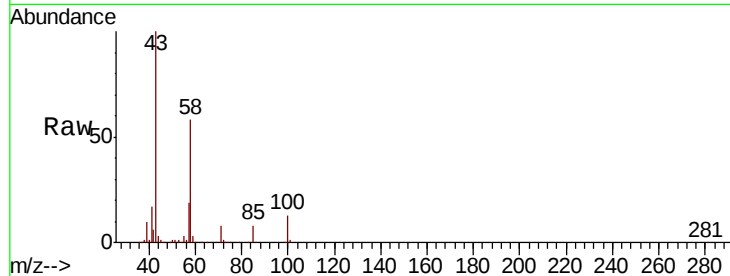




#49
2-Hexanone
Concen: 37.056 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.1	43.0	64.4
57	18.6	14.1	21.1
100	13.8	9.2	13.8



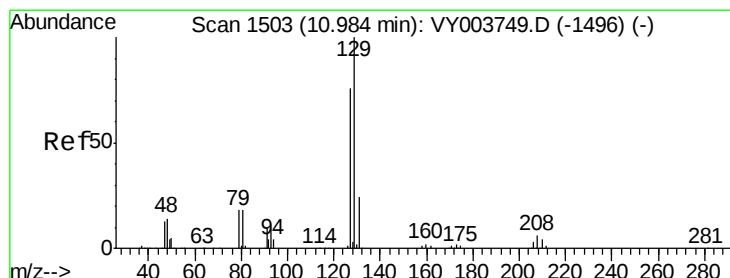
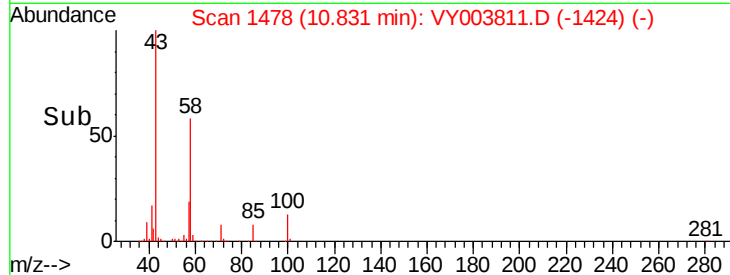
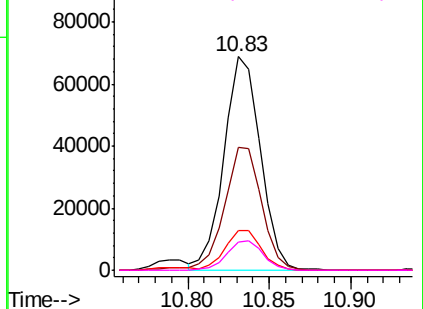
Abundance

Ion 43.00 (42.70 to 43.70): VY003811.D (-1473) (-)

Ion 58.00 (57.70 to 58.70): VY003811.D (-1473) (-)

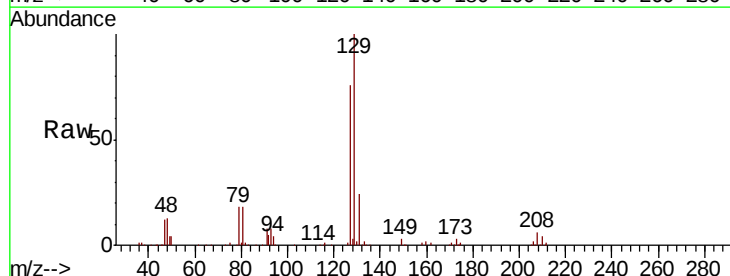
Ion 57.00 (56.70 to 57.70): VY003811.D (-1473) (-)

Ion 100.00 (99.70 to 100.70): VY003811.D (-1473) (-)



#50
Dibromochloromethane
Concen: 23.024 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

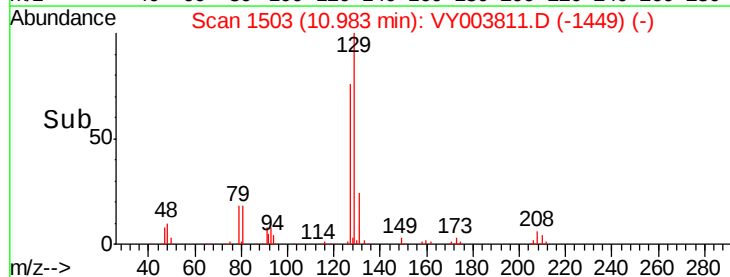
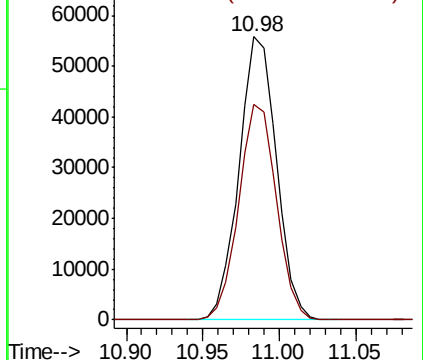
Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	55.2	102.4

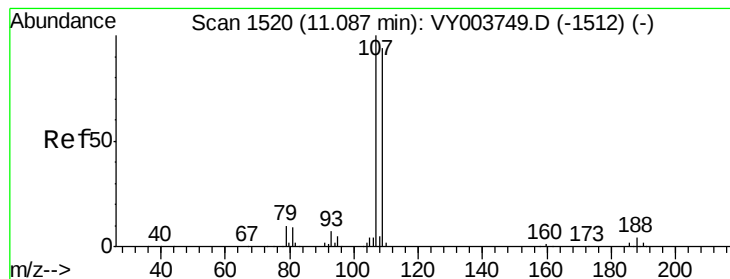


Abundance

Ion 129.00 (128.70 to 129.70): VY003811.D (-1449) (-)

Ion 127.00 (126.70 to 127.70): VY003811.D (-1449) (-)





#51

1,2-Dibromoethane

Concen: 22.304 ug/L

RT: 11.09 min Scan# 1521

Delta R.T. 0.01 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

Instrument :

MSVOA_Y

ClientSampleId :

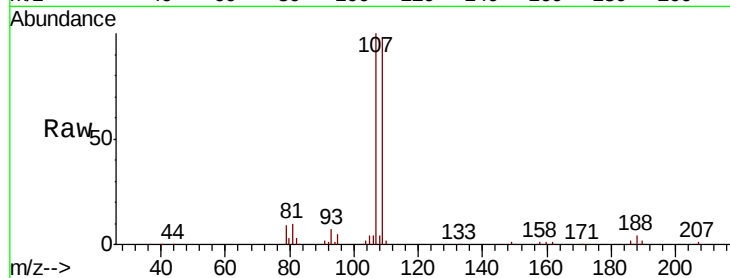
Tot Ion:107 Resp: 77874

Ion Ratio Lower Upper

107 100

109 97.9 64.6 120.0

188 3.9 2.9 4.3

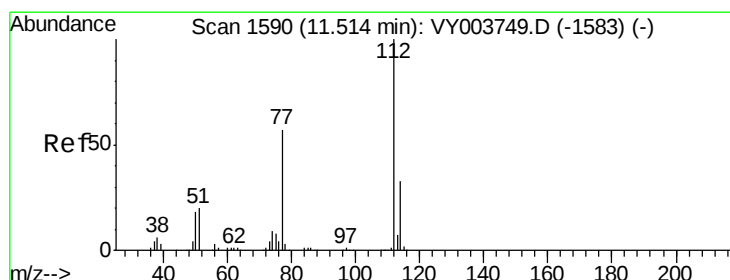
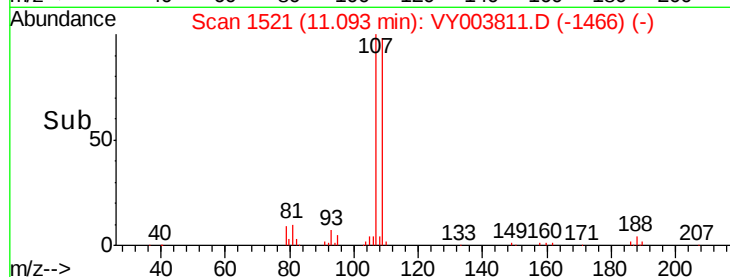
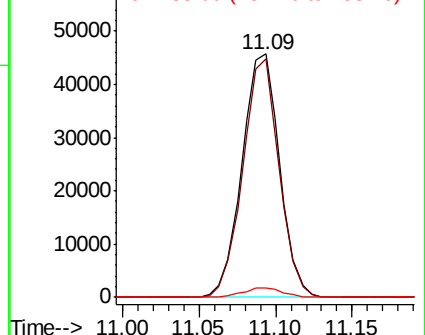


Abundance

Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 23.197 ug/L

RT: 11.51 min Scan# 1590

Delta R.T. -0.00 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

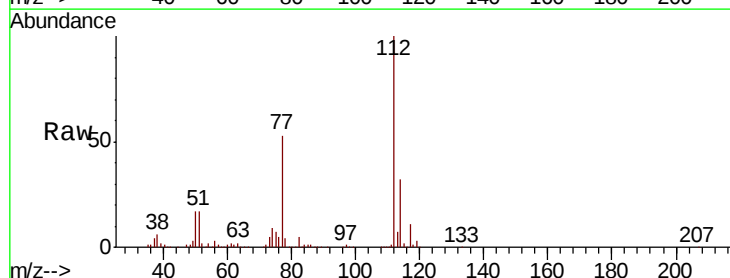
Tgt Ion:112 Resp: 264772

Ion Ratio Lower Upper

112 100

77 53.3 45.1 67.7

114 31.7 22.6 42.0

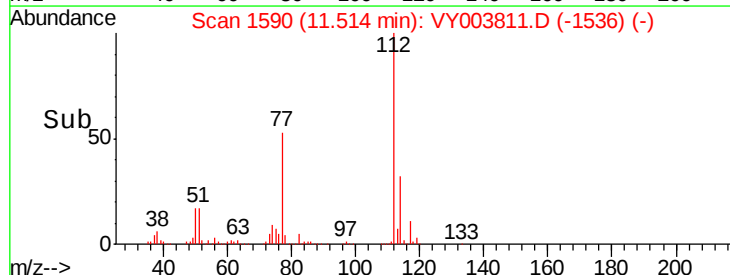
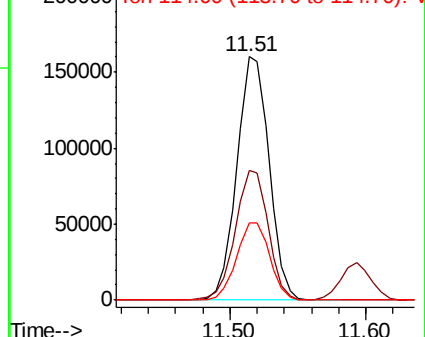


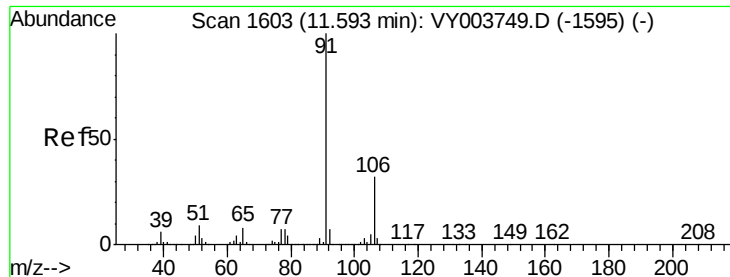
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 114.00 (113.70 to 114.70): V

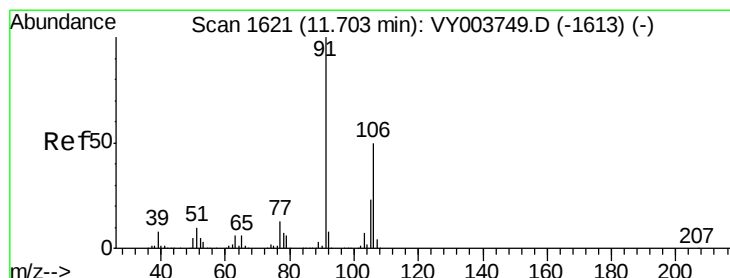
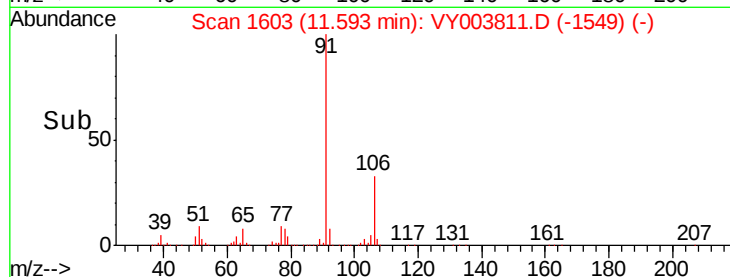
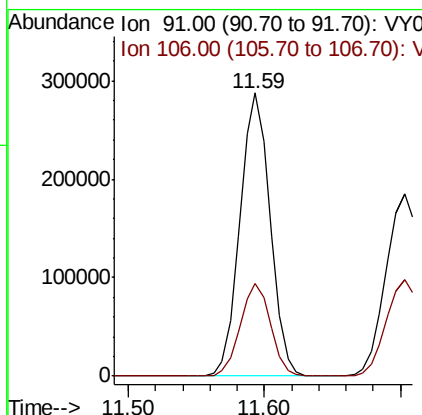
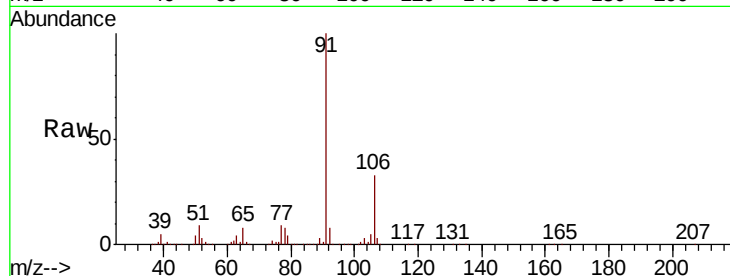




#53
Ethylbenzene
Concen: 22.817 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

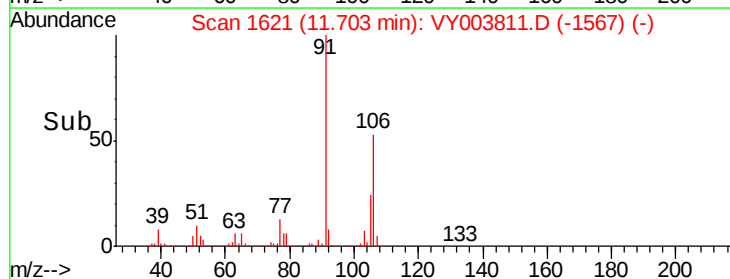
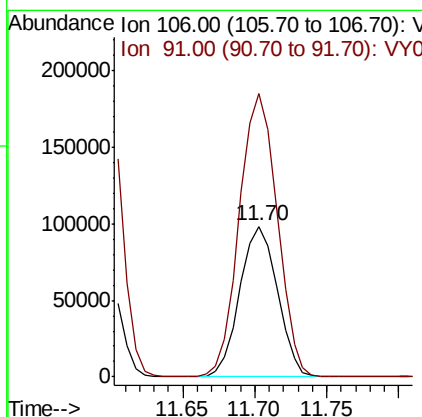
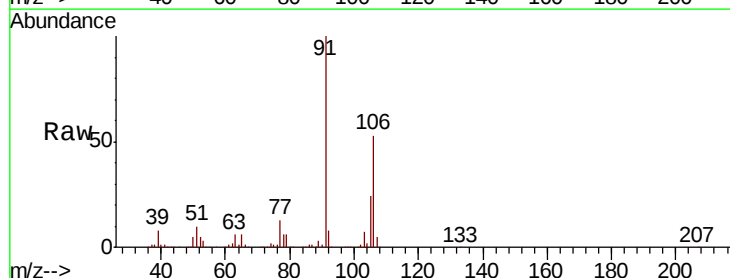
Instrument :
MSVOA_Y
ClientSampleId :

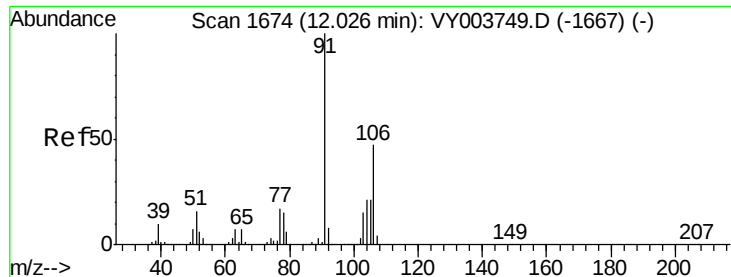
Tot Ion: 91 Resp: 444590
Ion Ratio Lower Upper
91 100
106 32.8 22.0 41.0



#54
m,p-Xylene
Concen: 23.693 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VY003811.D
Acq: 18 Dec 2020 10:17

Tgt Ion: 106 Resp: 178079
Ion Ratio Lower Upper
106 100
91 187.8 136.4 253.4





#55

o-xylene

Concen: 23.504 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

Instrument :

MSVOA_Y

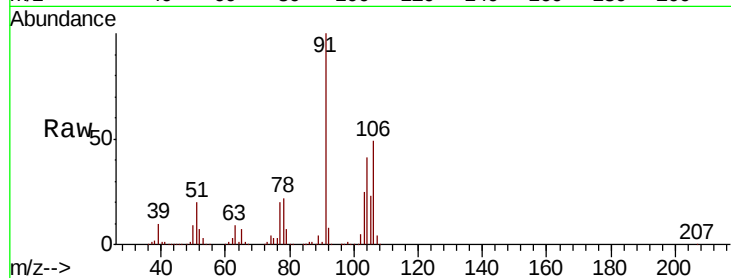
ClientSampleId :

Tot Ion:106 Resp: 165770

Ion Ratio Lower Upper

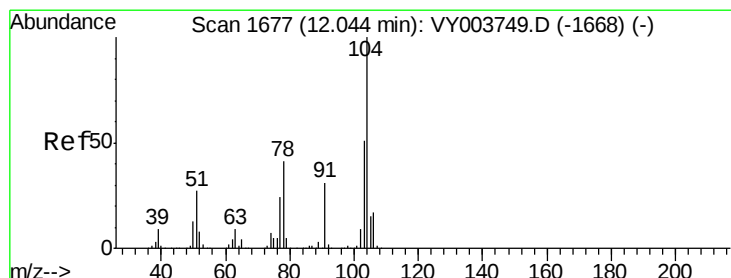
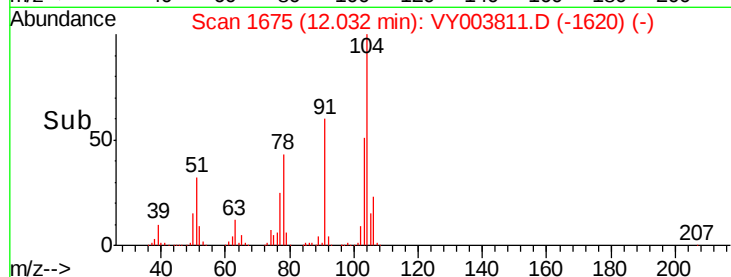
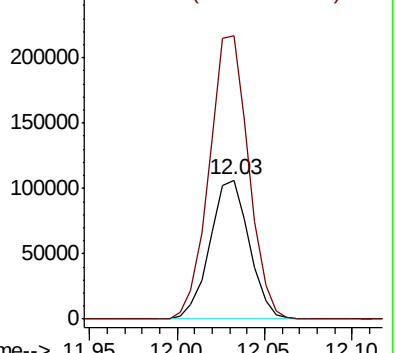
106 100

91 203.2 145.5 270.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 23.890 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003811.D

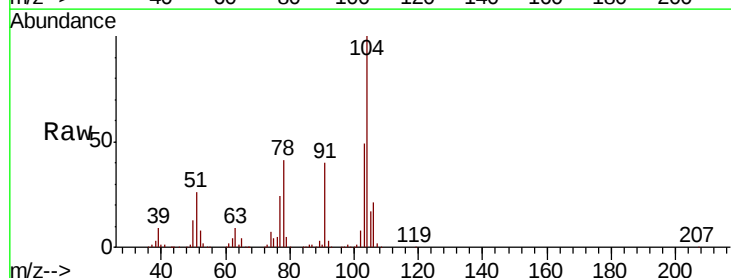
Acq: 18 Dec 2020 10:17

Tgt Ion:104 Resp: 287659

Ion Ratio Lower Upper

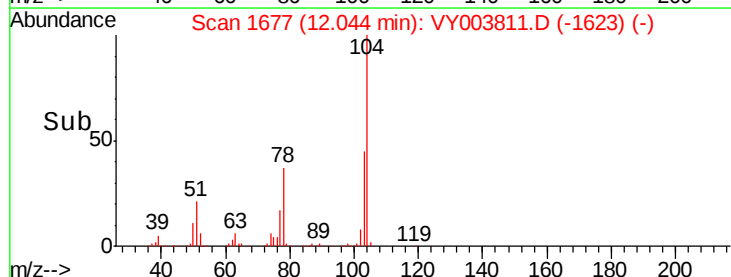
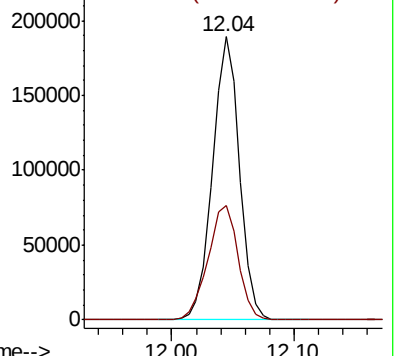
104 100

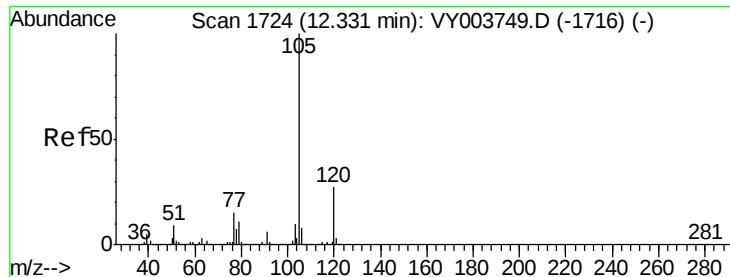
78 40.5 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 23.201 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

Instrument :

MSVOA_Y

ClientSampleId :

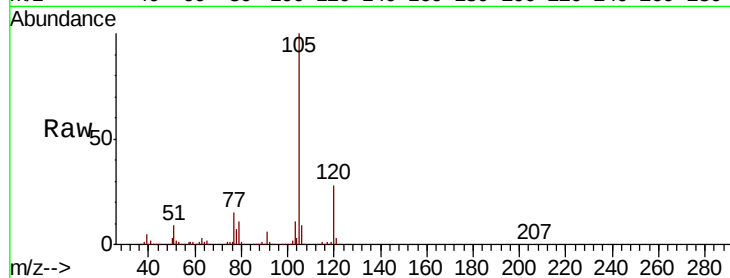
Tot Ion:105 Resp: 436956

Ion Ratio Lower Upper

105 100

120 28.0 22.1 33.1

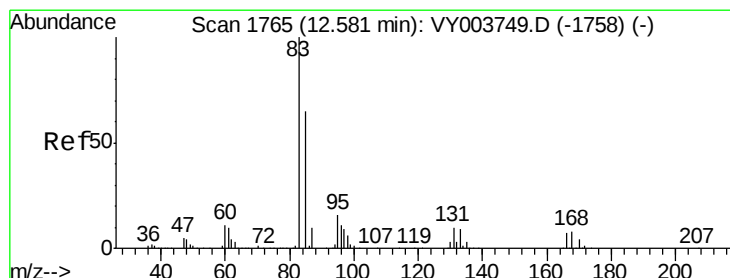
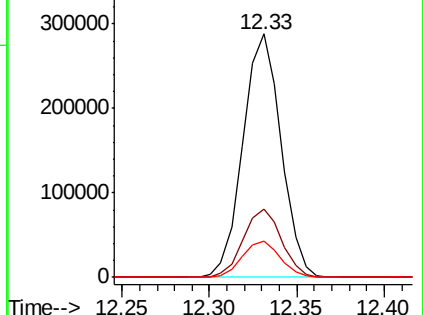
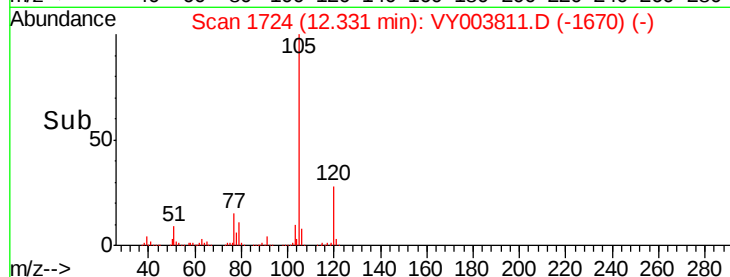
77 14.8 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): VY003811.D (-1670) (-)

Ion 120.00 (119.70 to 120.70): VY003811.D (-1670) (-)

Ion 77.00 (76.70 to 77.70): VY003811.D (-1670) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 21.113 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

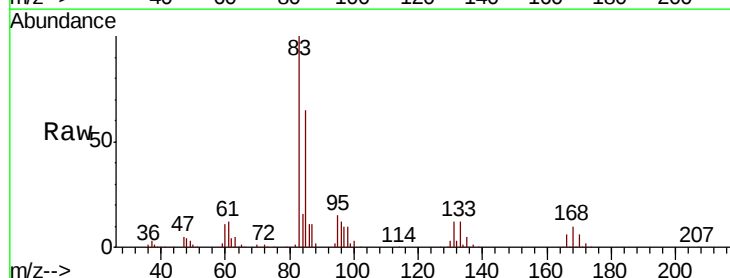
Tgt Ion: 83 Resp: 86928

Ion Ratio Lower Upper

83 100

85 65.5 43.9 81.5

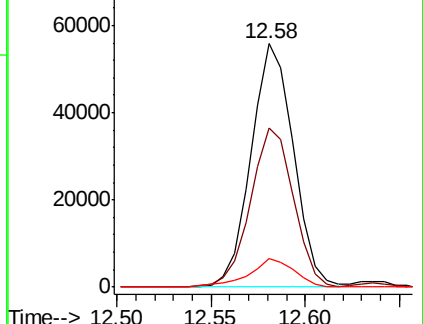
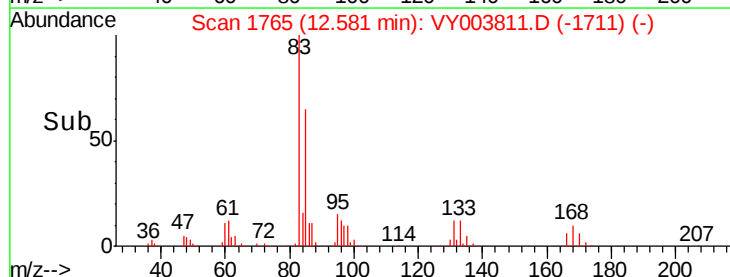
131 11.7 7.8 11.8

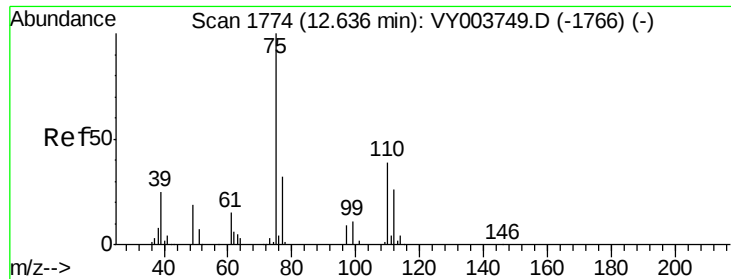


Abundance Ion 83.00 (82.70 to 83.70): VY003811.D (-1711) (-)

Ion 85.00 (84.70 to 85.70): VY003811.D (-1711) (-)

Ion 131.00 (130.70 to 131.70): VY003811.D (-1711) (-)

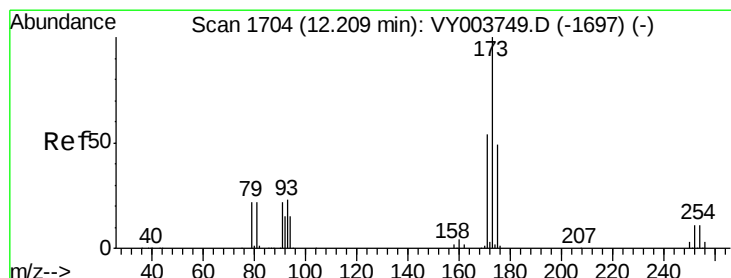
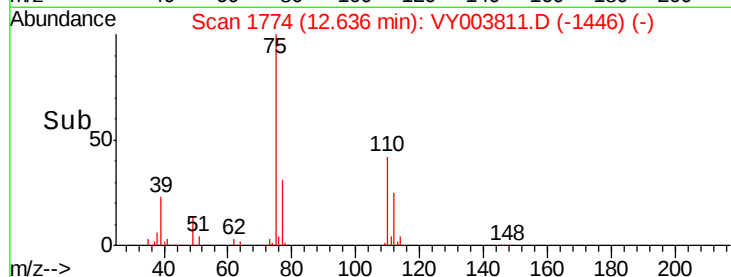
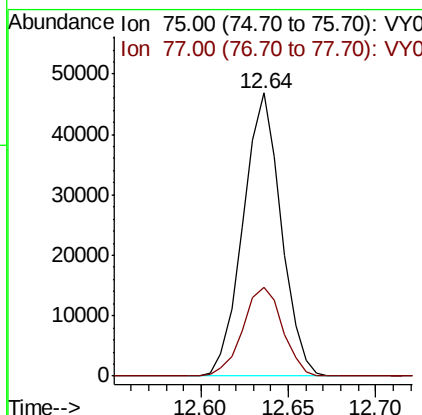
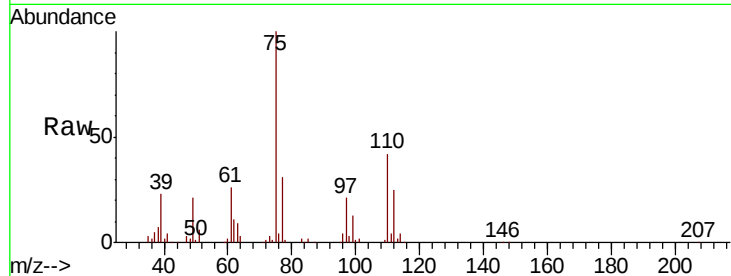




#59
 1,2,3-Trichloropropane
 Concen: 20.436 ug/L
 RT: 12.64 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VY003811.D
 Acq: 18 Dec 2020 10:17

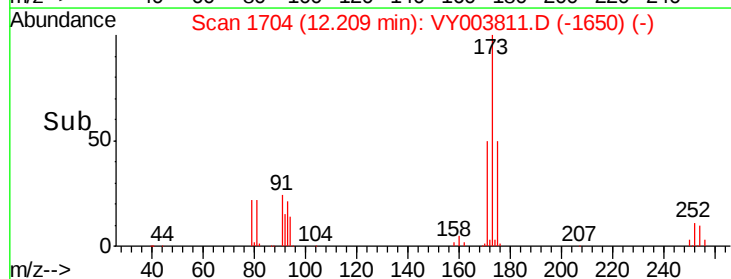
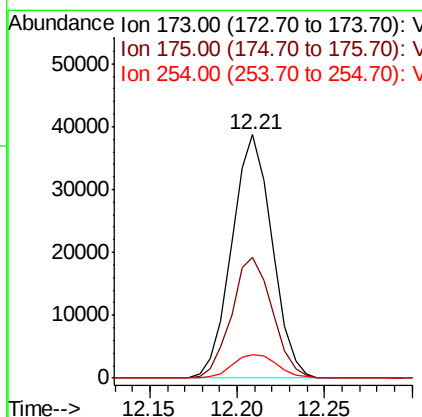
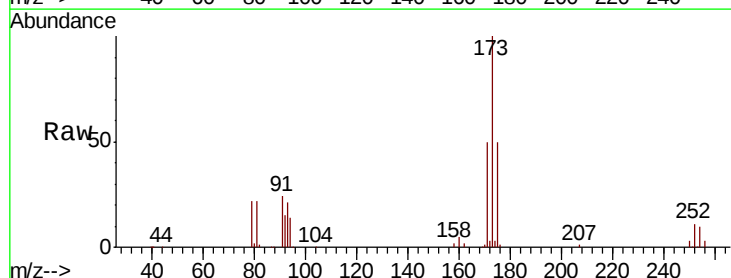
Instrument :
 MSVOA_Y
 ClientSampled :

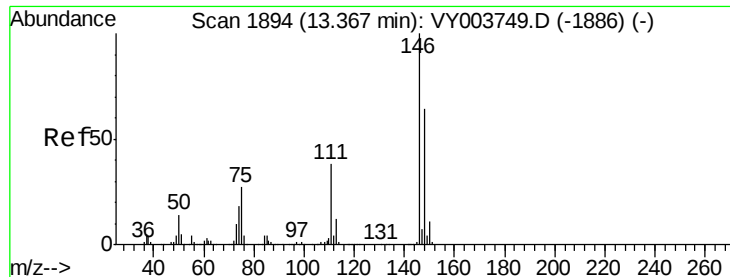
Tot Ion: 75 Resp: 70982
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.5 38.3



#62
 Bromoform
 Concen: 22.189 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VY003811.D
 Acq: 18 Dec 2020 10:17

Tgt Ion: 173 Resp: 61934
 Ion Ratio Lower Upper
 173 100
 175 50.4 38.8 58.2
 254 10.6 7.8 11.6

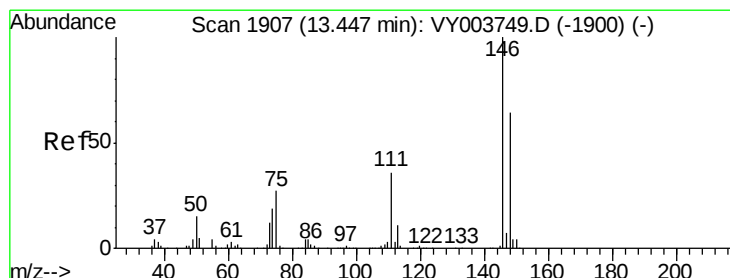
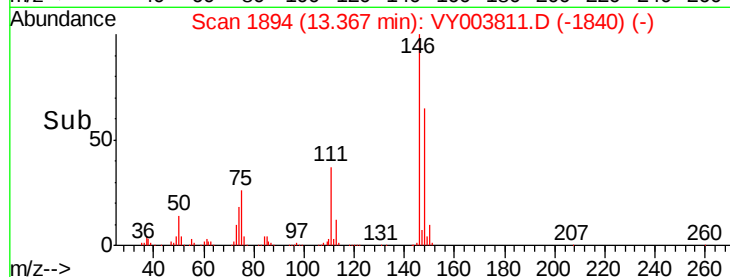
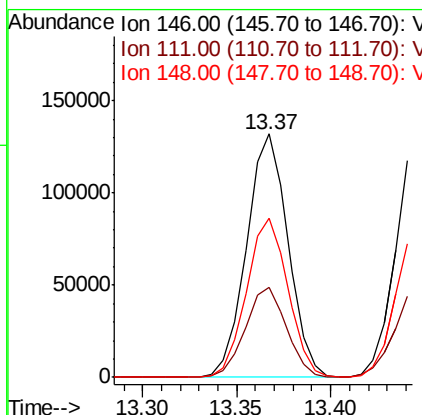
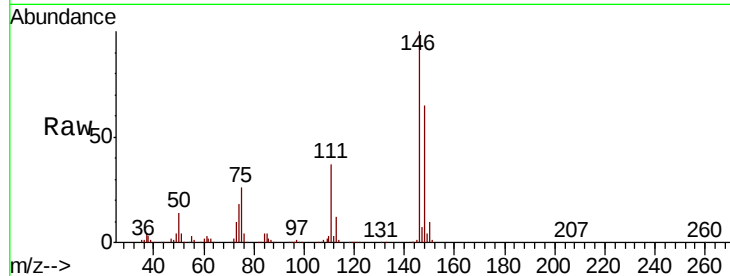




#63
 1,3-Dichlorobenzene
 Concen: 22.931 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. -0.00 min
 Lab File: VY003811.D
 Acq: 18 Dec 2020 10:17

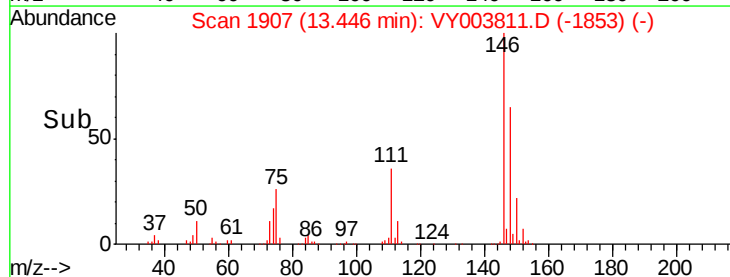
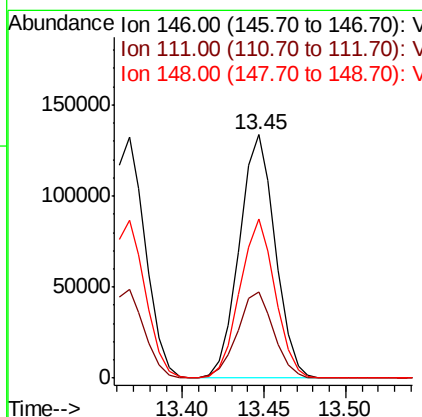
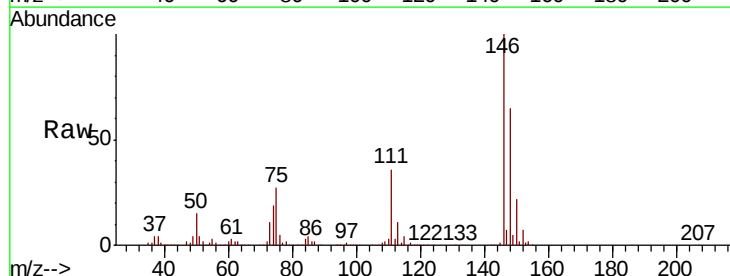
Instrument :
 MSVOA_Y
 ClientSampleId :

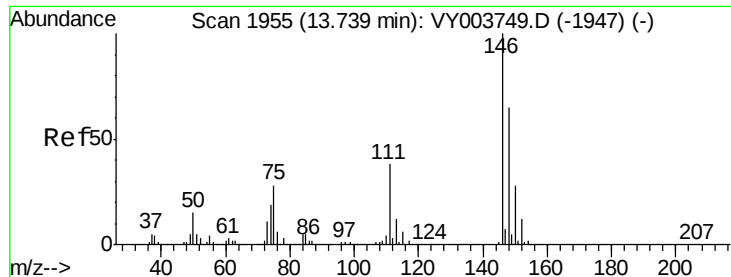
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	26.9	50.1
148	65.4	46.0	85.4



#64
 1,4-Dichlorobenzene
 Concen: 22.984 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003811.D
 Acq: 18 Dec 2020 10:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	24.8	46.0
148	65.2	44.4	82.5





#65

1,2-Dichlorobenzene

Concen: 23.297 ug/L

RT: 13.74 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

Instrument :

MSVOA_Y

ClientSampleId :

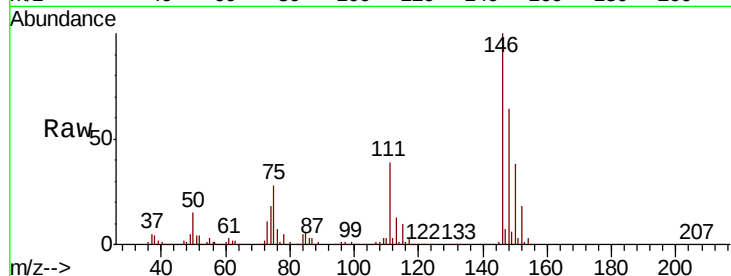
Tot Ion:146 Resp: 188441

Ion Ratio Lower Upper

146 100

111 39.1 31.8 47.8

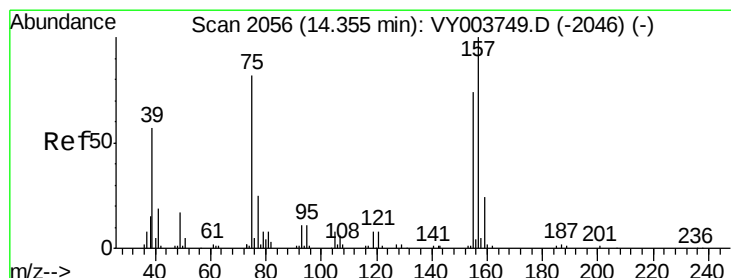
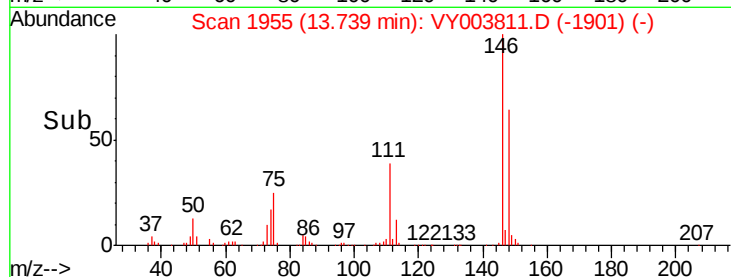
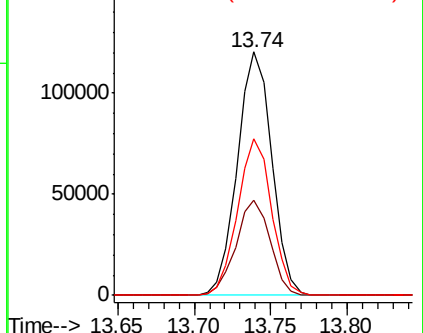
148 64.3 51.3 76.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 19.033 ug/L

RT: 14.35 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

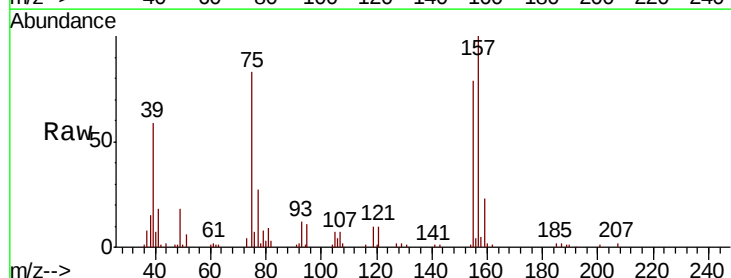
Tgt Ion: 75 Resp: 15136

Ion Ratio Lower Upper

75 100

157 121.2 93.8 140.8

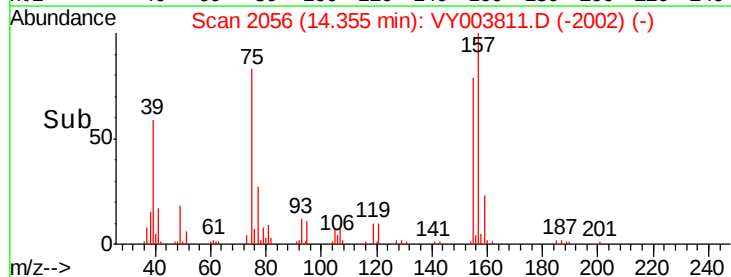
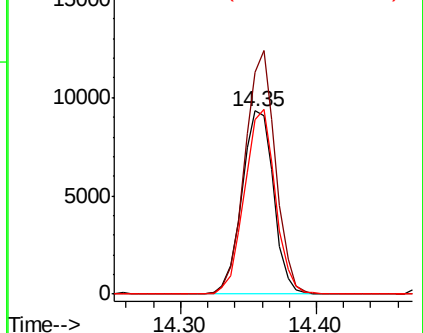
155 95.4 70.9 106.3

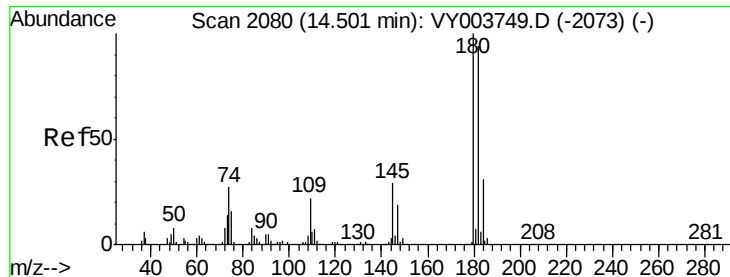


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

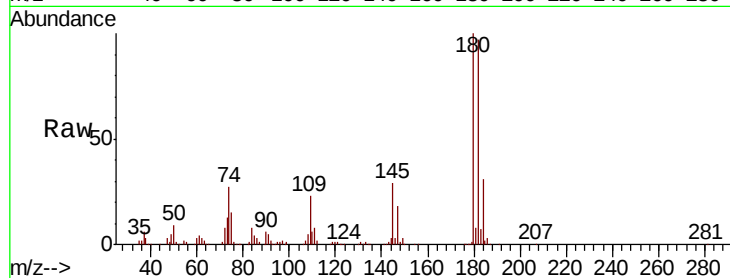




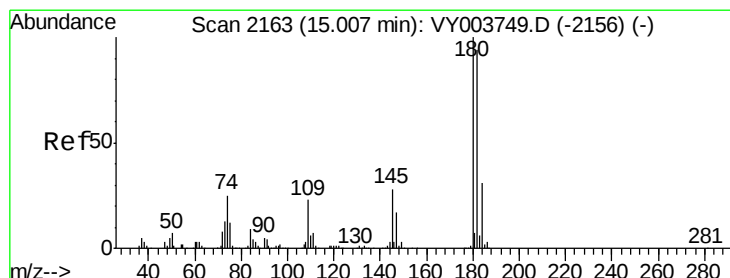
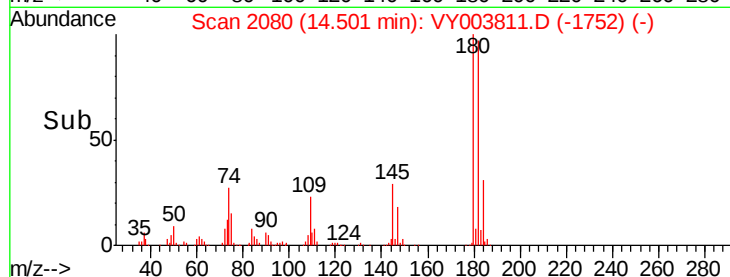
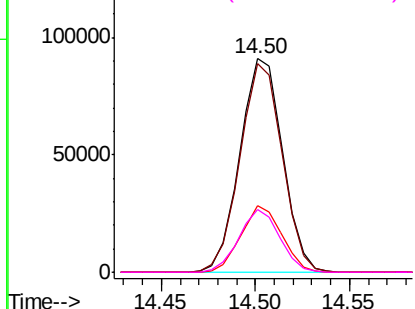
#67
 1,3,5-Trichlorobenzene
 Concen: 23.417 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003811.D
 Acq: 18 Dec 2020 10:17

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:180	Resp:	142905
Ion Ratio	Lower	Upper
180	100	
182	96.3	75.7 113.5
184	29.9	24.2 36.4
145	28.0	22.9 34.3

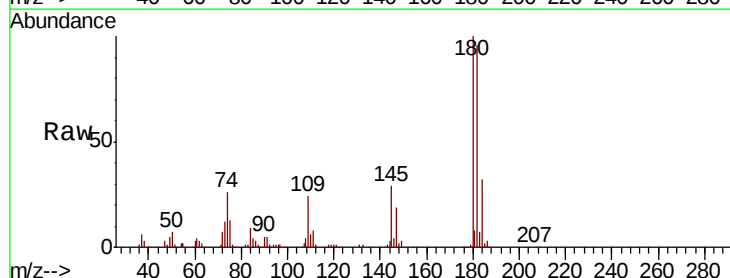


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

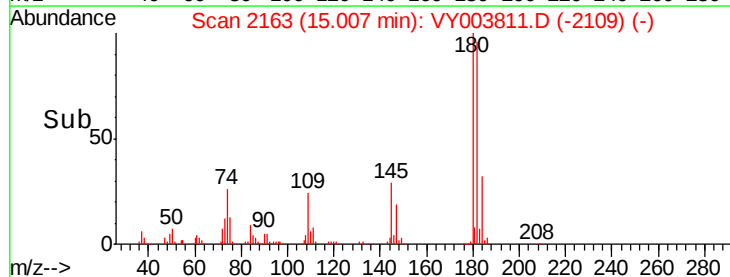
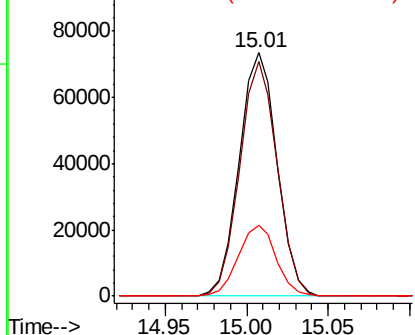


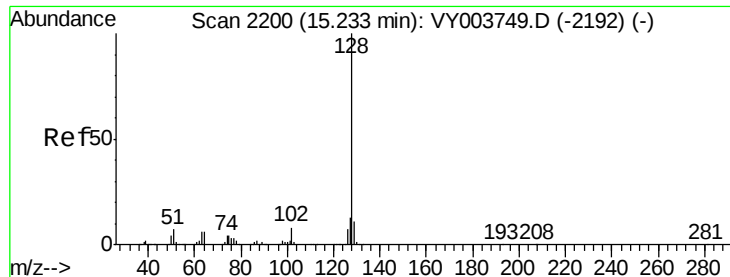
#68
 1,2,4-trichlorobenzene
 Concen: 22.734 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VY003811.D
 Acq: 18 Dec 2020 10:17

Tgt Ion:180	Resp:	118334
Ion Ratio	Lower	Upper
180	100	
182	95.3	76.8 115.2
145	29.2	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: 21.668 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

Instrument :

MSVOA_Y

ClientSampleId :

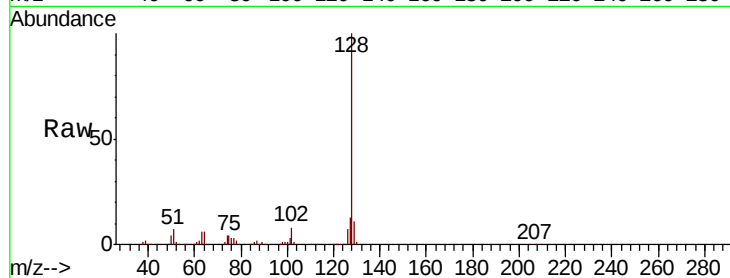
Tot Ion:128 Resp: 257332

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 13.1 10.2 15.4

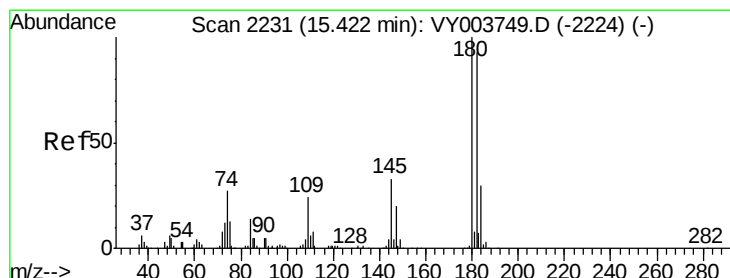
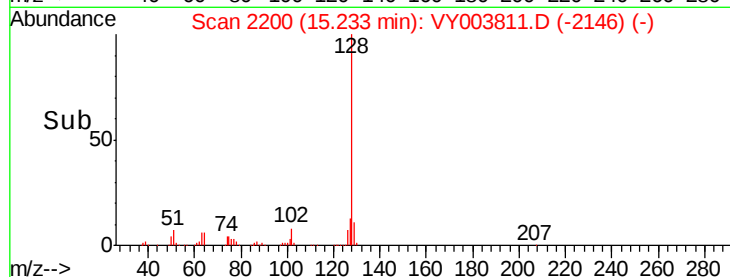
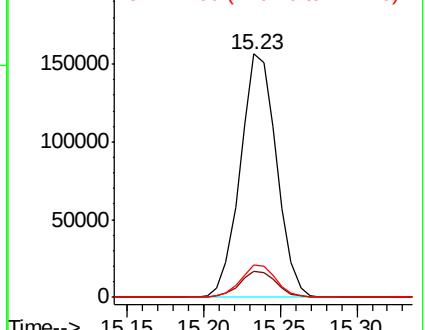


Abundance

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: 22.016 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VY003811.D

Acq: 18 Dec 2020 10:17

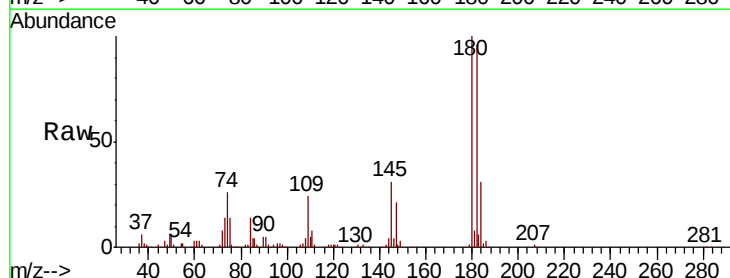
Tgt Ion:180 Resp: 104227

Ion Ratio Lower Upper

180 100

182 94.1 77.0 115.6

145 30.2 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

