

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121920\
 Data File : VY003824.D
 Acq On : 19 Dec 2020 10:40
 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 21 01:40:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 21 00:29:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	257250	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.50	117	240813	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	123360	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	86223	24.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.24%
7) Chloroethane-d5	2.77	69	65405	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.96%
10) 1,1-Dichloroethene-d2	3.87	63	164977	22.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.48%
20) 2-Butanone-d5	6.90	46	59142	38.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.32%
24) Chloroform-d	7.49	84	161068	24.11	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.44%
26) 1,2-Dichloroethane-d4	8.15	65	86754	22.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.84%
29) Benzene-d6	8.12	84	342700	24.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.36%
33) 1,2-Dichloropropane-d6	9.13	67	99721	22.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.92%
37) Toluene-d8	10.18	98	315884	25.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.16%
38) trans-1,3-Dichloropropene-	10.44	79	49077	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.80%
39) 2-Hexanone-d5	10.79	63	51098	42.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.38%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	90096	23.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.96%
61) 1,2-Dichlorobenzene-d4	13.72	152	115012	25.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	115578	26.326	ug/L 98
3) Chloromethane	2.12	50	106368	26.522	ug/L 100
5) Vinyl chloride	2.26	62	113105	28.073	ug/L 98
6) Bromomethane	2.67	94	67116	27.247	ug/L 99
8) Chloroethane	2.81	64	64407	27.358	ug/L 97
9) Trichlorofluoromethane	3.14	101	155226	25.217	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.92	101	95658	25.575	ug/L 96
12) 1,1-Dichloroethene	3.89	96	92647	26.057	ug/L # 78
13) Acetone	3.97	43	38114	36.133	ug/L 96
14) Carbon disulfide	4.21	76	322429	25.772	ug/L 99
15) Methyl Acetate	4.50	43	52339	19.050	ug/L 94
16) Methylene chloride	4.73	84	103641	22.442	ug/L 91
17) Methyl tert-butyl Ether	5.24	73	241002	24.159	ug/L 98
18) trans-1,2-Dichloroethene	5.23	96	100411	26.070	ug/L 92
19) 1,1-Dichloroethane	6.03	63	159311	23.916	ug/L 99
21) 2-Butanone	7.00	43	66838	36.454	ug/L 93
22) cis-1,2-Dichloroethene	7.00	96	108841	26.649	ug/L 89

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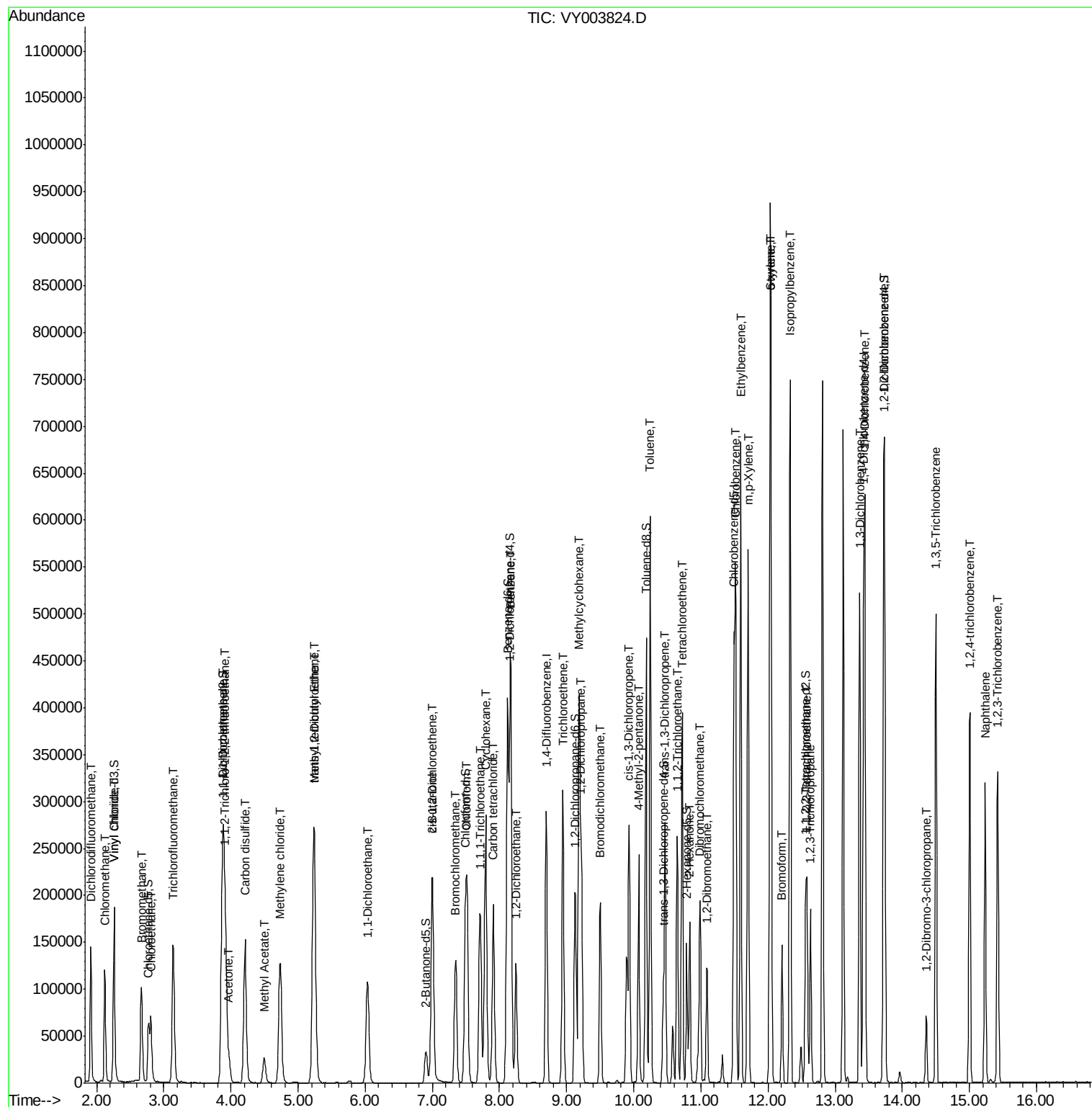
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	51743	26.355	ug/L	90
25) Chloroform	7.51	83	167303	25.540	ug/L	99
27) 1,2-Dichloroethane	8.25	62	109795	24.185	ug/L	98
30) Cyclohexane	7.79	56	160734	24.316	ug/L	92
31) 1,1,1-Trichloroethane	7.71	97	153624	26.088	ug/L	99
32) Carbon tetrachloride	7.91	117	140530	27.026	ug/L	97
34) Benzene	8.17	78	404518	26.401	ug/L	100
35) Trichloroethene	8.94	95	105405	25.630	ug/L	97
36) Methylcyclohexane	9.19	83	181328	26.029	ug/L	96
40) 1,2-Dichloropropane	9.22	63	95289	23.995	ug/L	99
41) Bromodichloromethane	9.50	83	125335	25.209	ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	157001	24.880	ug/L	98
43) 4-Methyl-2-pentanone	10.07	43	148952	38.682	ug/L #	95
44) Toluene	10.25	91	436898	26.845	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	144999	25.111	ug/L	100
46) 1,1,2-Trichloroethane	10.65	97	81127	25.225	ug/L	96
47) Tetrachloroethene	10.72	164	89154	27.263	ug/L	97
49) 2-Hexanone	10.83	43	105138	39.787	ug/L	95
50) Dibromochloromethane	10.98	129	98302	26.091	ug/L	98
51) 1,2-Dibromoethane	11.09	107	78669	24.690	ug/L	98
52) Chlorobenzene	11.52	112	279115	26.795	ug/L	94
53) Ethylbenzene	11.59	91	473455	26.625	ug/L	99
54) m,p-Xylene	11.70	106	183844	26.803	ug/L	99
55) o-xylene	12.03	106	176087	27.358	ug/L	95
56) Styrene	12.04	104	301765	27.462	ug/L	96
57) Isopropylbenzene	12.33	105	466311	27.131	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	89493	23.818	ug/L	93
59) 1,2,3-Trichloropropane	12.64	75	72009	22.717	ug/L	99
62) Bromoform	12.21	173	63668	25.067	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	218427	27.385	ug/L	98
64) 1,4-Dichlorobenzene	13.45	146	215391	26.569	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	194712	26.454	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	15410	21.294	ug/L	84
67) 1,3,5-Trichlorobenzene	14.50	180	151547	27.290	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	126676	26.745	ug/L	99
69) Naphthalene	15.23	128	268137	24.811	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	111313	25.840	ug/L	98

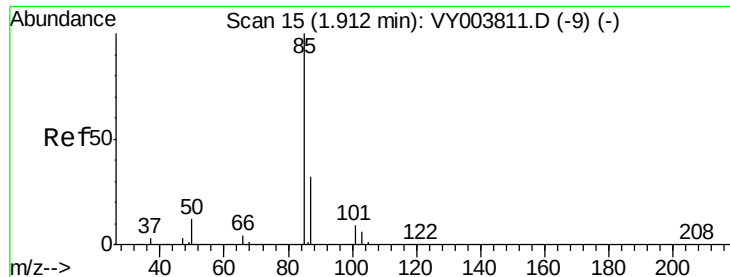
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.326 ug/L

RT: 1.91 min Scan# 15

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Instrument :

MSVOA_Y

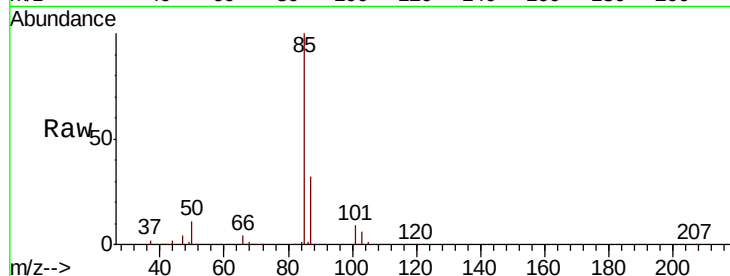
ClientSampleId :

Tot Ion: 85 Resp: 115578

Ion Ratio Lower Upper

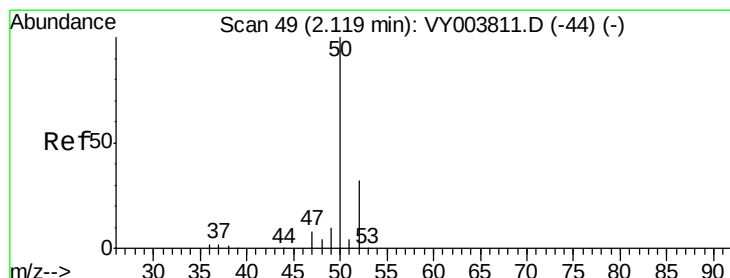
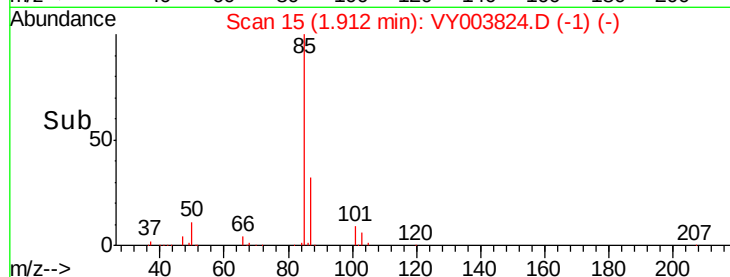
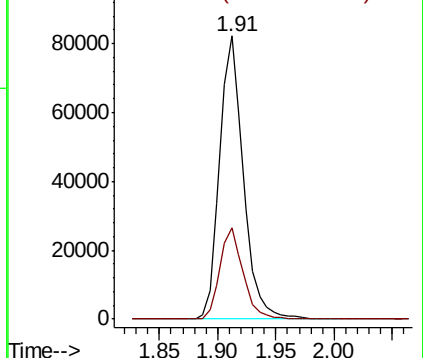
85 100

87 31.5 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: 26.522 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003824.D

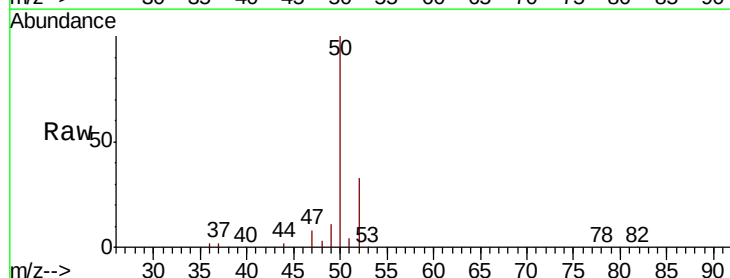
Acq: 19 Dec 2020 10:40

Tgt Ion: 50 Resp: 106368

Ion Ratio Lower Upper

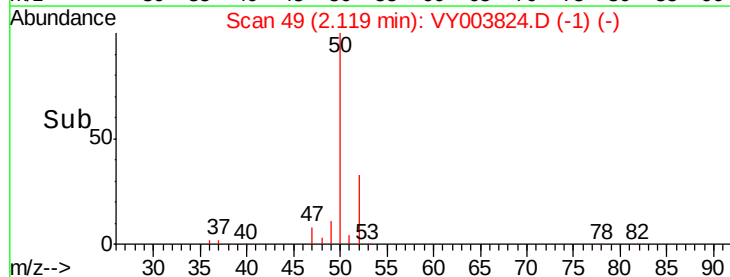
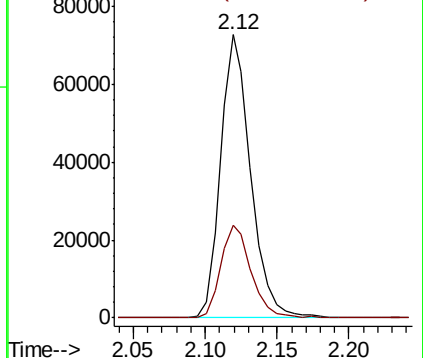
50 100

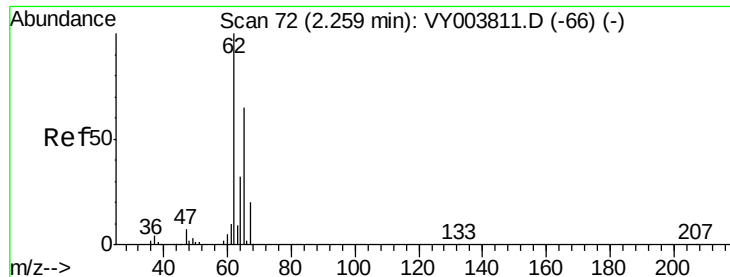
52 32.8 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 28.073 ug/L

RT: 2.26 min Scan# 72

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Instrument :

MSVOA_Y

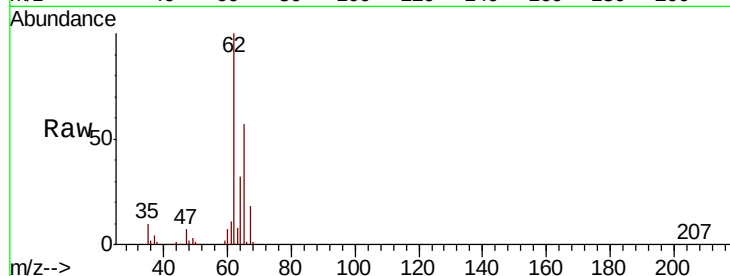
ClientSampleId :

Tot Ion: 62 Resp: 113105

Ion Ratio Lower Upper

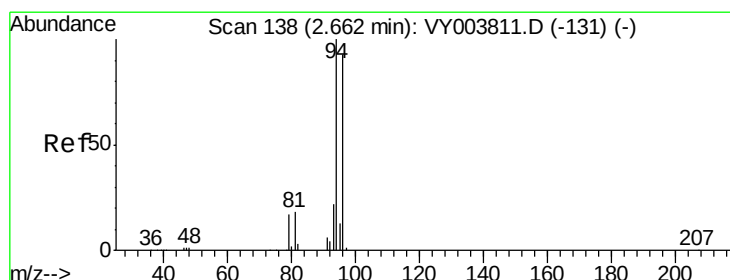
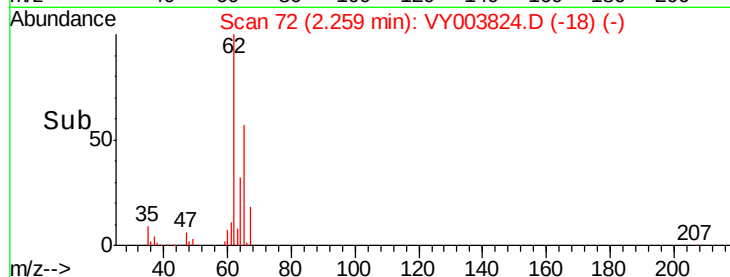
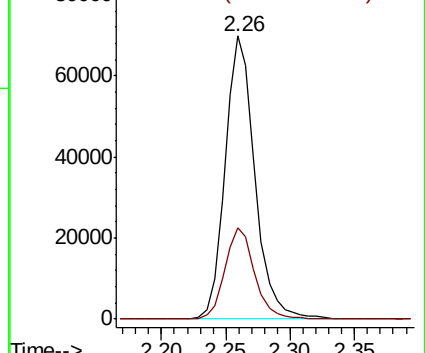
62 100

64 32.3 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: 27.247 ug/L

RT: 2.67 min Scan# 139

Delta R.T. 0.01 min

Lab File: VY003824.D

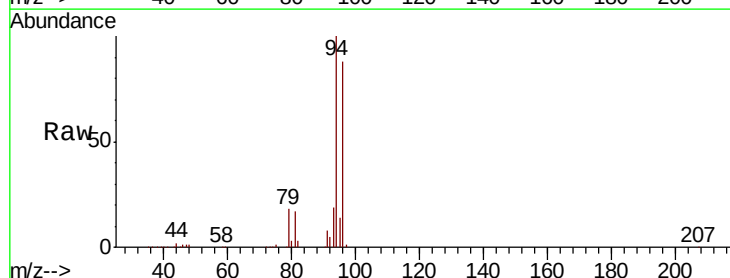
Acq: 19 Dec 2020 10:40

Tgt Ion: 94 Resp: 67116

Ion Ratio Lower Upper

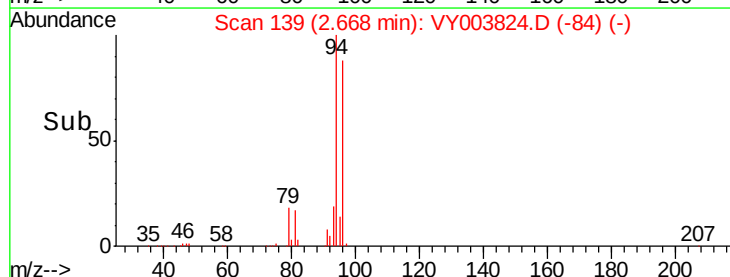
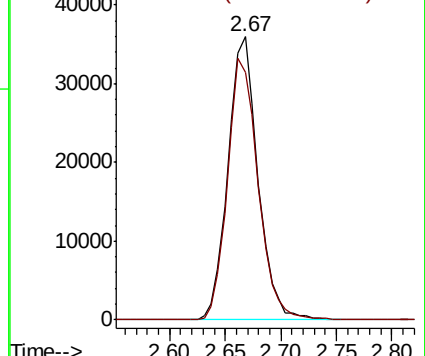
94 100

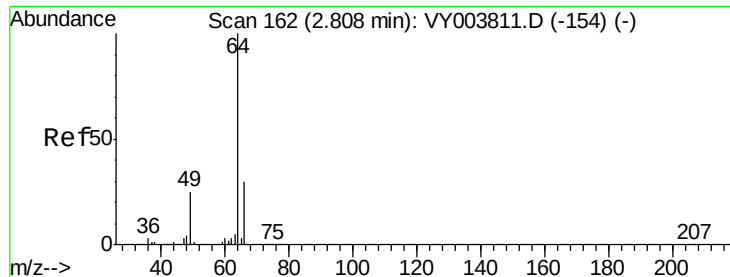
96 94.5 9.3 177.5



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 27.358 ug/L

RT: 2.81 min Scan# 162

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Instrument :

MSVOA_Y

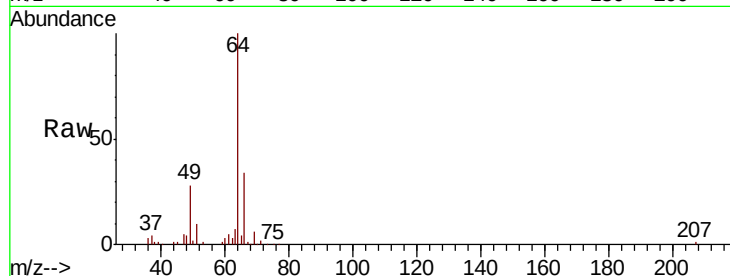
ClientSampleId :

Tot Ion: 64 Resp: 64407

Ion Ratio Lower Upper

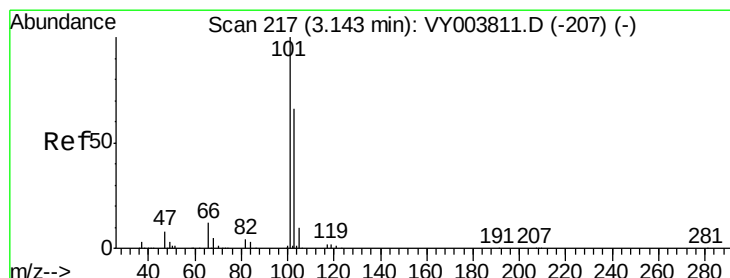
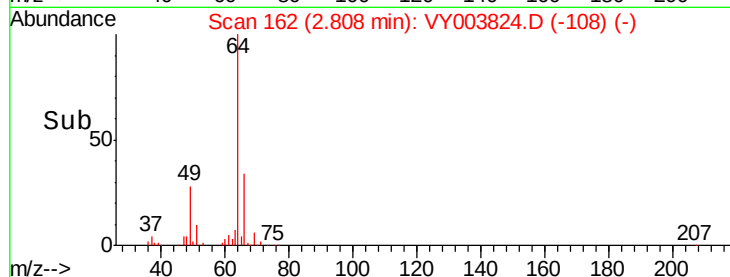
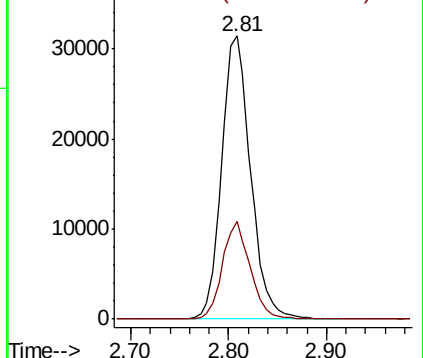
64 100

66 34.5 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 25.217 ug/L

RT: 3.14 min Scan# 216

Delta R.T. -0.01 min

Lab File: VY003824.D

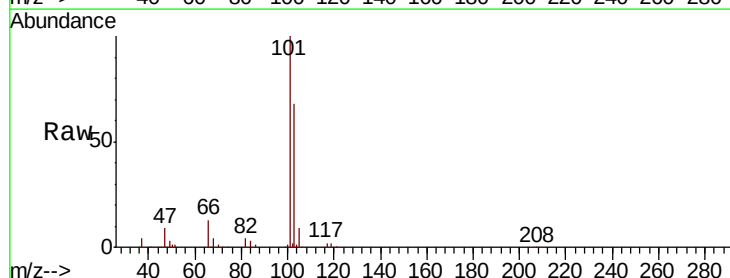
Acq: 19 Dec 2020 10:40

Tgt Ion: 101 Resp: 155226

Ion Ratio Lower Upper

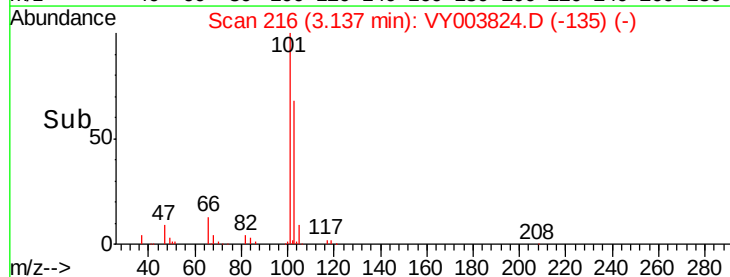
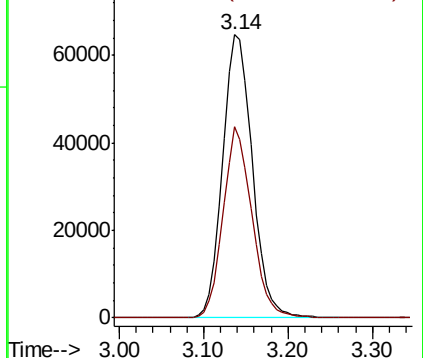
101 100

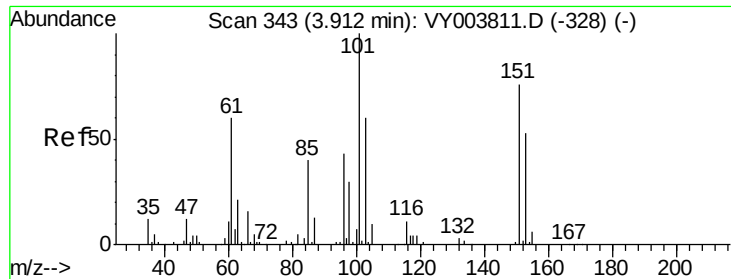
103 65.5 45.3 84.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 25.575 ug/L

RT: 3.92 min Scan# 344

Delta R.T. 0.01 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

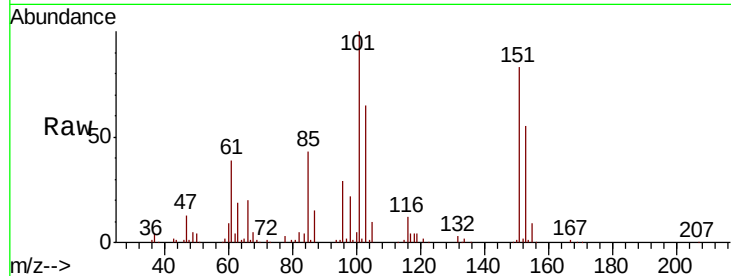
Tot Ion:101 Resp: 95658

Ion Ratio Lower Upper

101 100

85 43.0 33.8 50.6

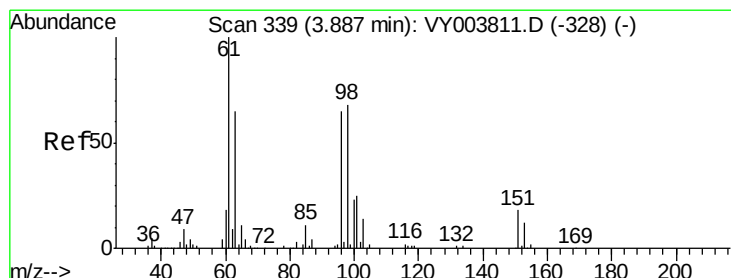
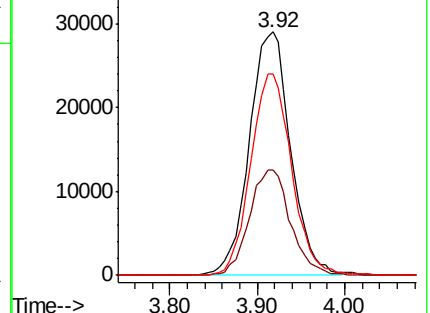
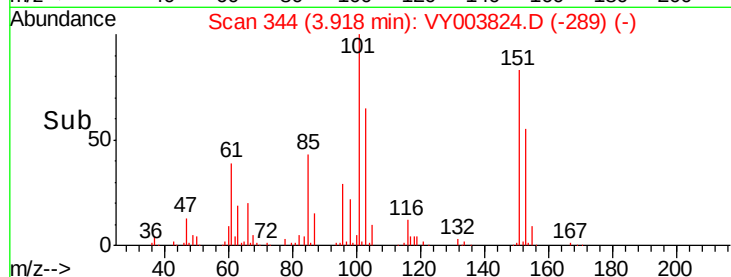
151 81.8 62.1 93.1



Abundance Ion 101.00 (100.70 to 101.70): VY003824.D (-289) (-)

Ion 85.00 (84.70 to 85.70): VY003824.D (-289) (-)

Ion 151.00 (150.70 to 151.70): VY003824.D (-289) (-)



#12

1,1-Dichloroethene

Concen: 26.057 ug/L

RT: 3.89 min Scan# 339

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

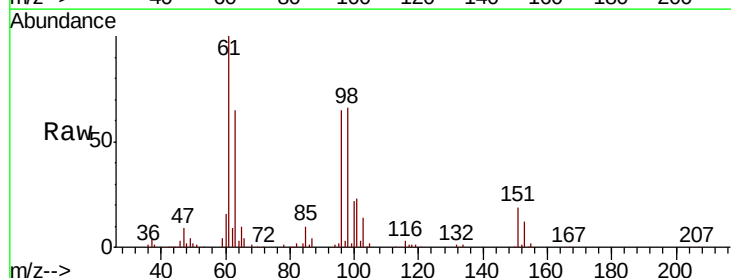
Tgt Ion: 96 Resp: 92647

Ion Ratio Lower Upper

96 100

61 152.7 117.3 217.9

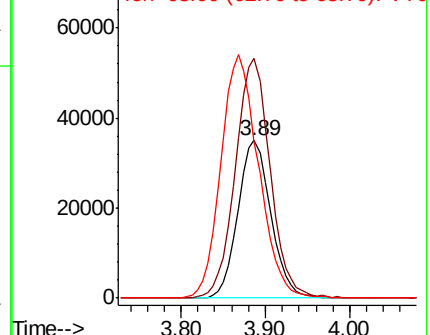
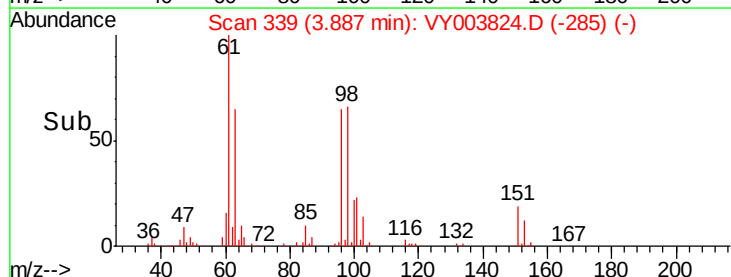
63 99.1 99.5 184.7#

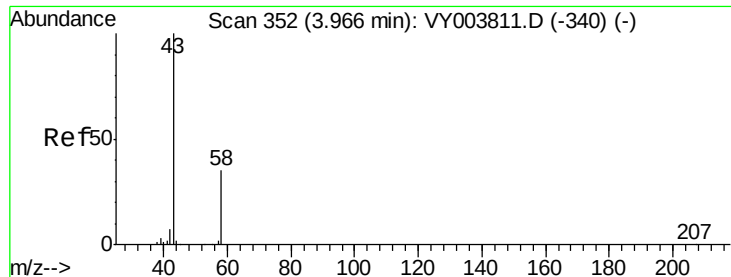


Abundance Ion 96.00 (95.70 to 96.70): VY003824.D (-285) (-)

Ion 61.00 (60.70 to 61.70): VY003824.D (-285) (-)

Ion 63.00 (62.70 to 63.70): VY003824.D (-285) (-)





#13

Acetone

Concen: 36.133 ug/L

RT: 3.97 min Scan# 352

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Instrument :

MSVOA_Y

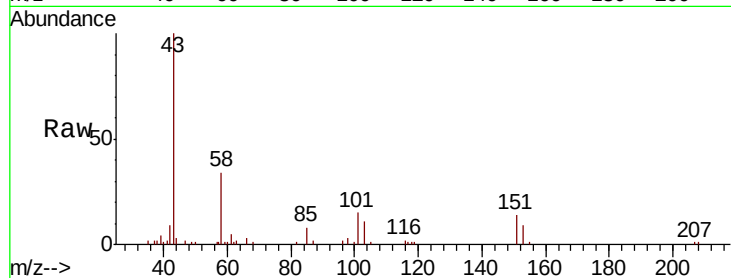
ClientSampleId :

Tot Ion: 43 Resp: 38114

Ion Ratio Lower Upper

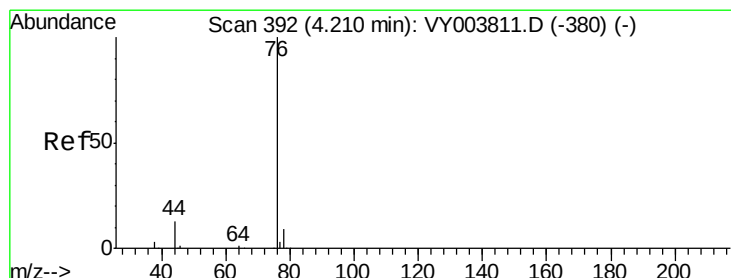
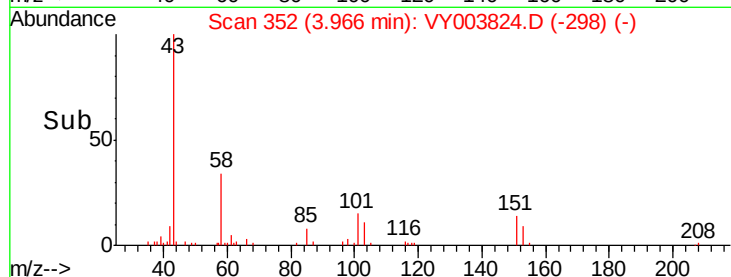
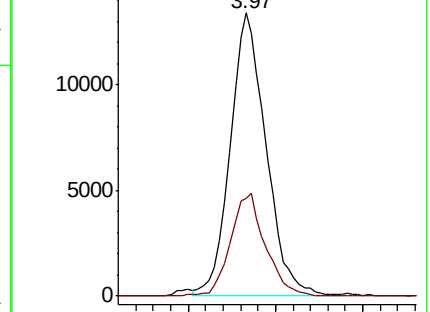
43 100

58 35.0 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VY003811.D (-340) (-)

Ion 58.00 (57.70 to 58.70): VY003811.D (-340) (-)



#14

Carbon disulfide

Concen: 25.772 ug/L

RT: 4.21 min Scan# 392

Delta R.T. -0.00 min

Lab File: VY003824.D

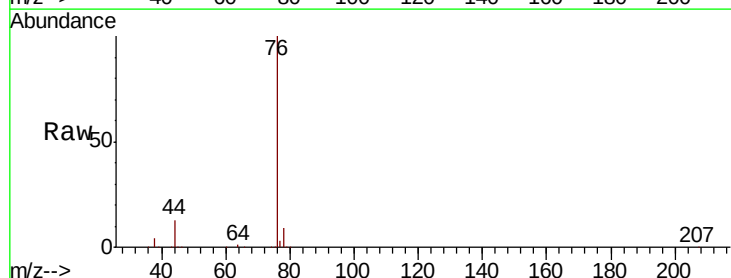
Acq: 19 Dec 2020 10:40

Tgt Ion: 76 Resp: 322429

Ion Ratio Lower Upper

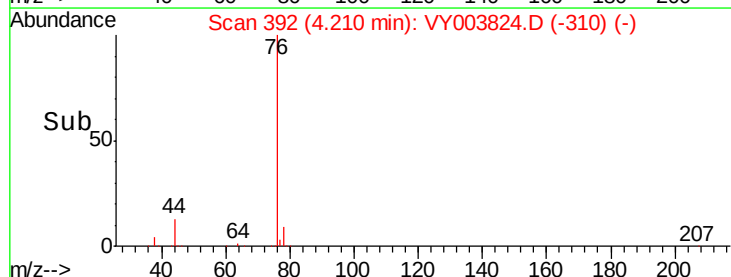
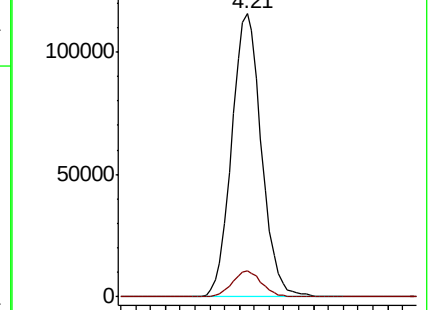
76 100

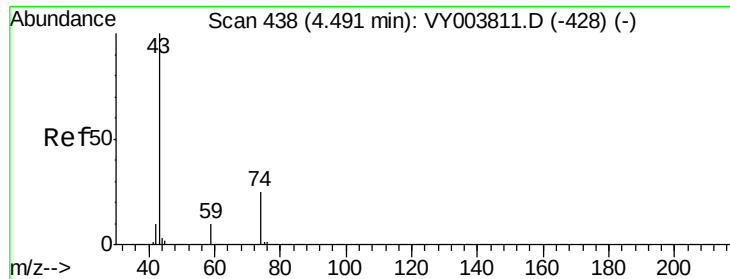
78 9.3 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY003811.D (-380) (-)

Ion 78.00 (77.70 to 78.70): VY003811.D (-380) (-)

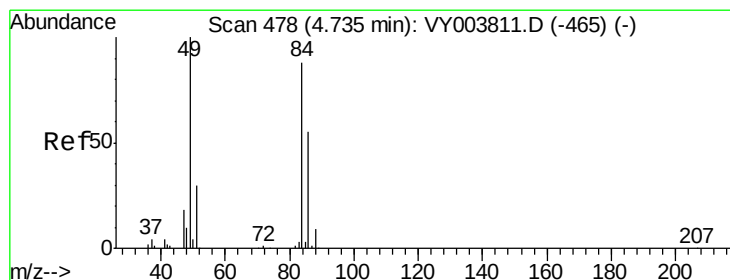
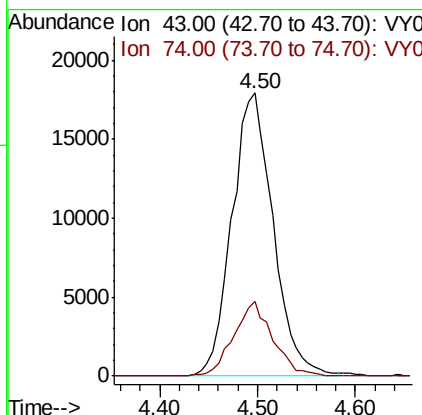
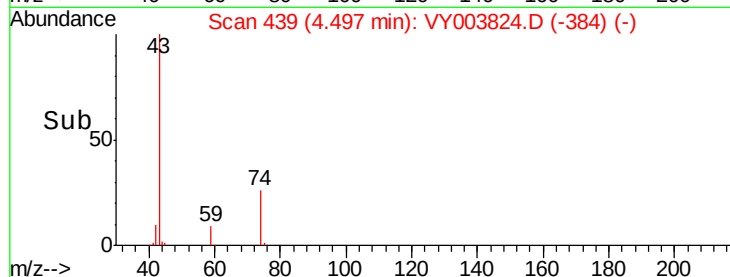
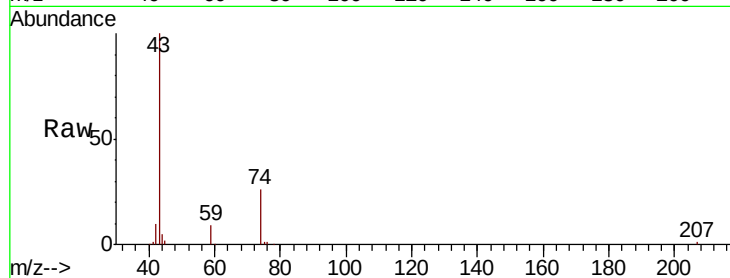




#15
Methyl Acetate
Concen: 19.050 ug/L
RT: 4.50 min Scan# 439
Delta R.T. 0.01 min
Lab File: VY003824.D
Acq: 19 Dec 2020 10:40

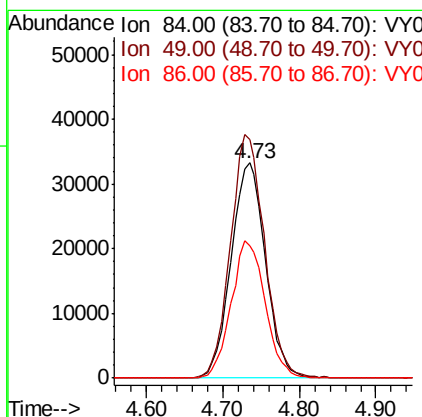
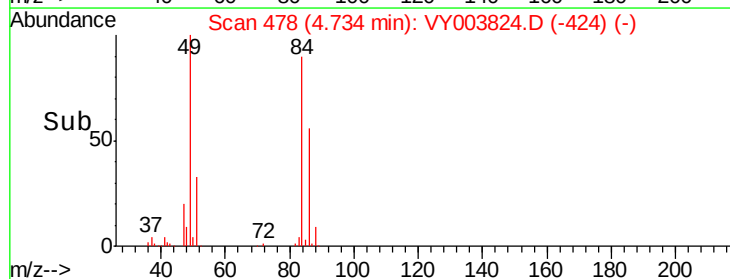
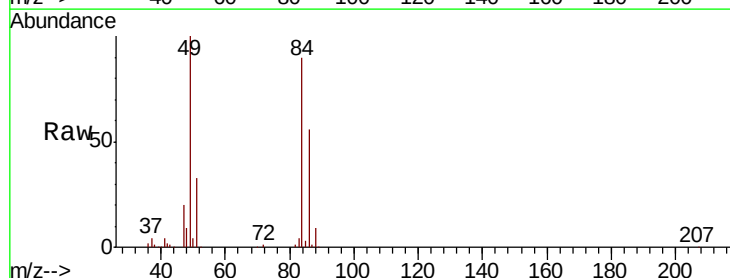
Instrument :
MSVOA_Y
ClientSampled :

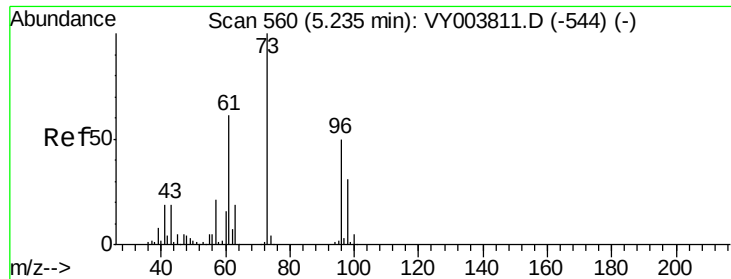
Tot Ion: 43 Resp: 52339
Ion Ratio Lower Upper
43 100
74 25.2 17.7 26.5



#16
Methylene chloride
Concen: 22.442 ug/L
RT: 4.73 min Scan# 478
Delta R.T. -0.00 min
Lab File: VY003824.D
Acq: 19 Dec 2020 10:40

Tgt Ion: 84 Resp: 103641
Ion Ratio Lower Upper
84 100
49 110.7 88.2 163.8
86 61.5 43.0 79.8

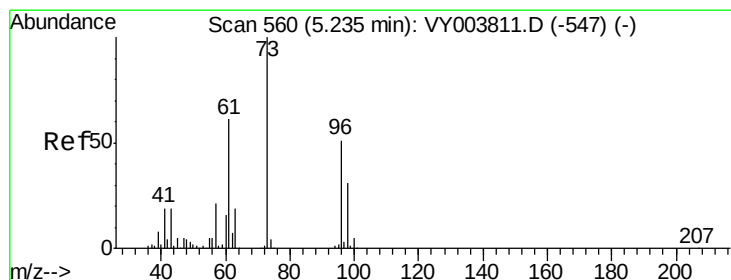
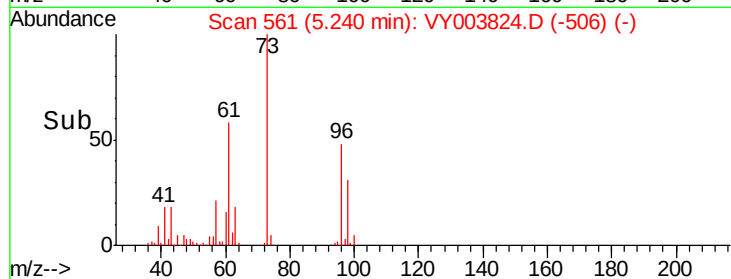
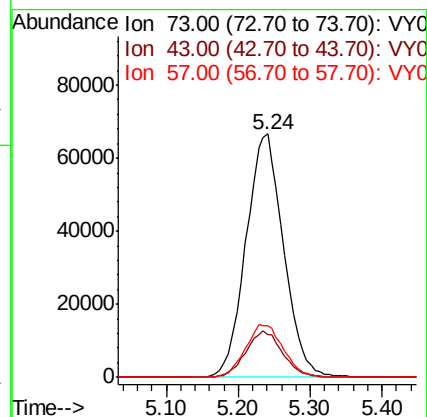
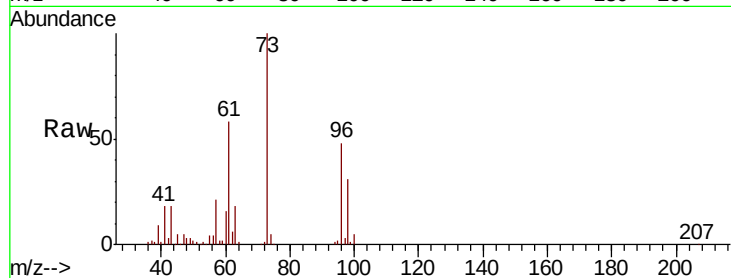




#17
Methyl tert-butyl Ether
Concen: 24.159 ug/L
RT: 5.24 min Scan# 561
Delta R.T. 0.01 min
Lab File: VY003824.D
Acq: 19 Dec 2020 10:40

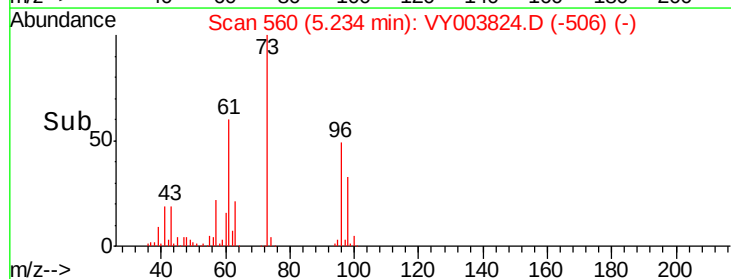
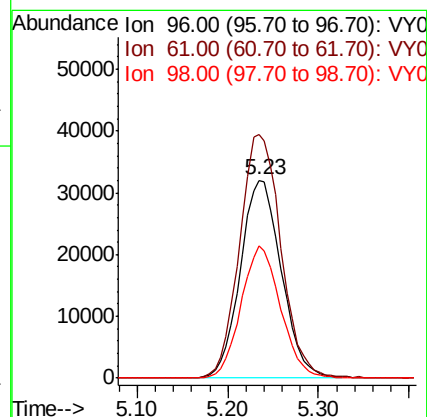
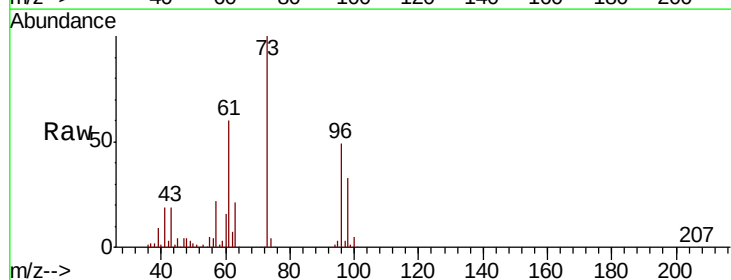
Instrument :
MSVOA_Y
ClientSampleId :

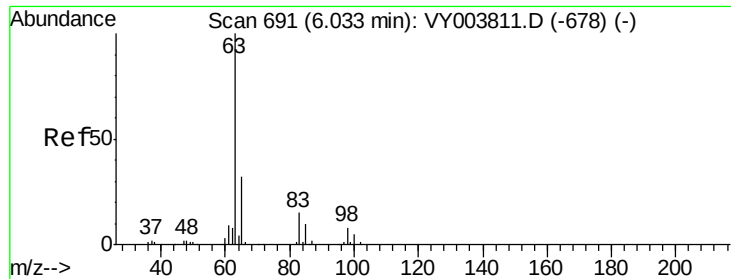
Tot Ion: 73 Resp: 241002
Ion Ratio Lower Upper
73 100
43 18.7 15.5 23.3
57 21.8 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 26.070 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.00 min
Lab File: VY003824.D
Acq: 19 Dec 2020 10:40

Tgt Ion: 96 Resp: 100411
Ion Ratio Lower Upper
96 100
61 123.3 93.9 174.5
98 66.8 43.5 80.7

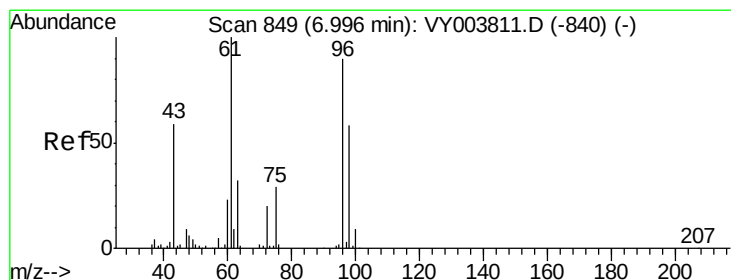
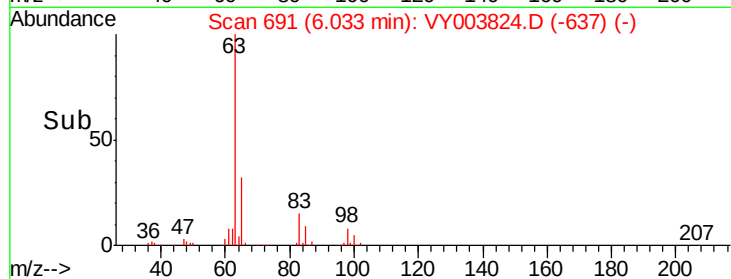
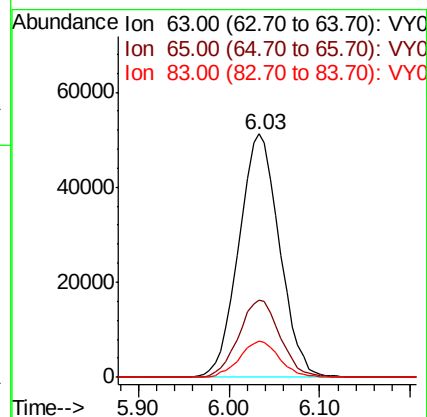
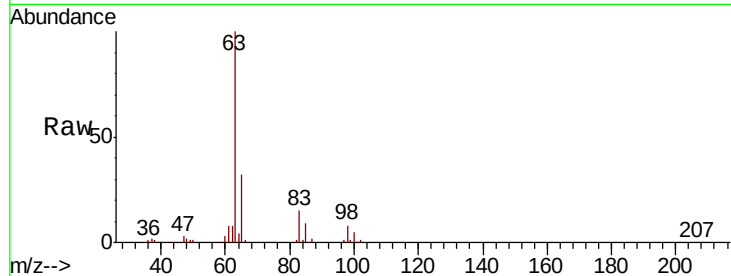




#19
 1,1-Dichloroethane
 Concen: 23.916 ug/L
 RT: 6.03 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VY003824.D
 Acq: 19 Dec 2020 10:40

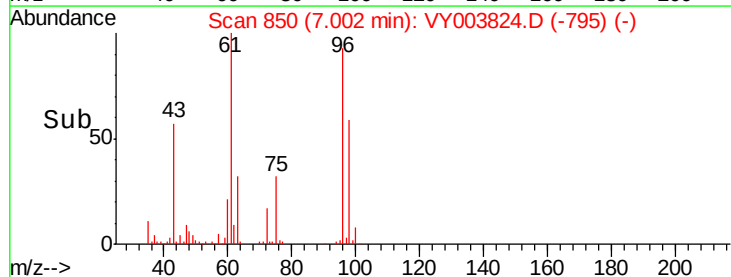
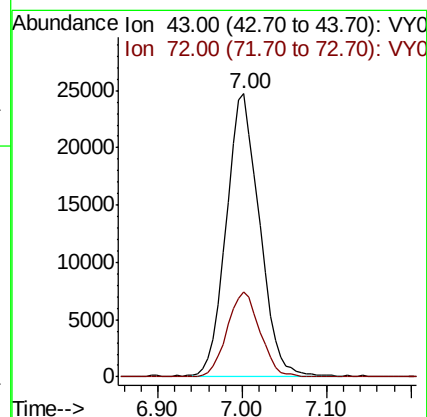
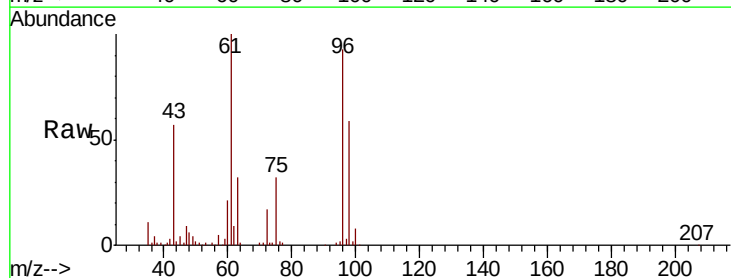
Instrument :
 MSVOA_Y
 ClientSampled :

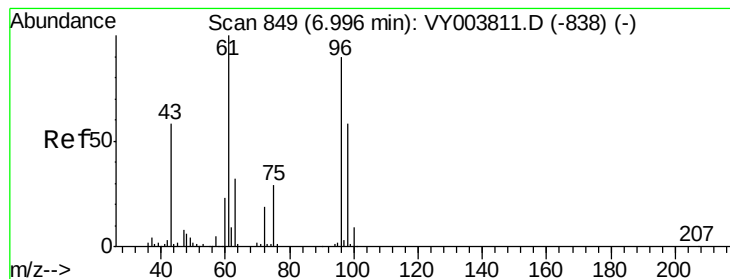
Tot Ion: 63 Resp: 159311
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.3
 83 14.8 9.4 17.6



#21
 2-Butanone
 Concen: 36.454 ug/L
 RT: 7.00 min Scan# 850
 Delta R.T. 0.01 min
 Lab File: VY003824.D
 Acq: 19 Dec 2020 10:40

Tgt Ion: 43 Resp: 66838
 Ion Ratio Lower Upper
 43 100
 72 29.5 13.0 39.0





#22

cis-1,2-Dichloroethene

Concen: 26.649 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

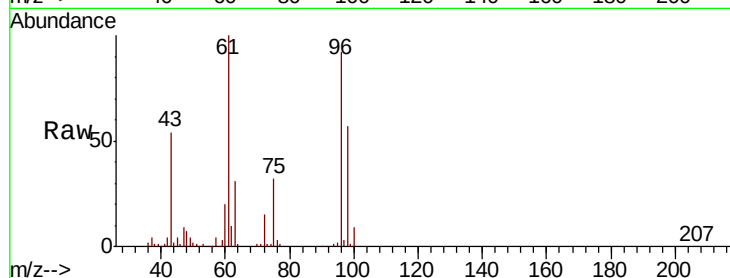
Tot Ion: 96 Resp: 108841

Ion Ratio Lower Upper

96 100

61 109.0 88.0 163.4

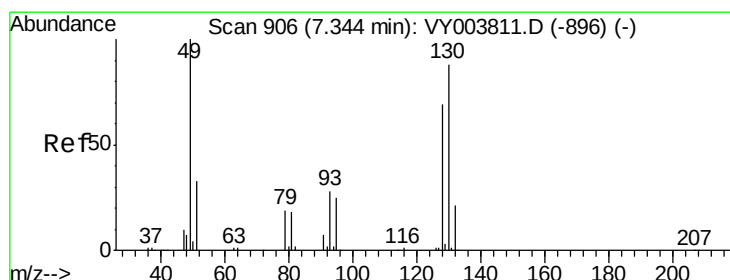
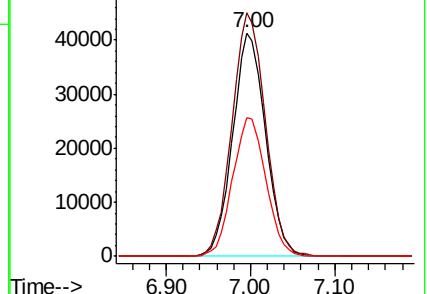
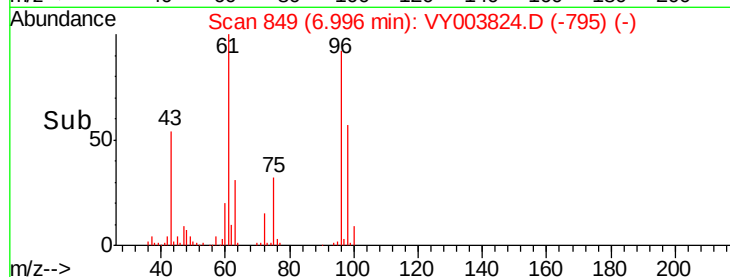
98 62.3 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VY003824.D (-795) (-)

Ion 61.00 (60.70 to 61.70): VY003824.D (-795) (-)

Ion 98.00 (97.70 to 98.70): VY003824.D (-795) (-)



#23

Bromochloromethane

Concen: 26.355 ug/L

RT: 7.34 min Scan# 906

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Tgt Ion: 128 Resp: 51743

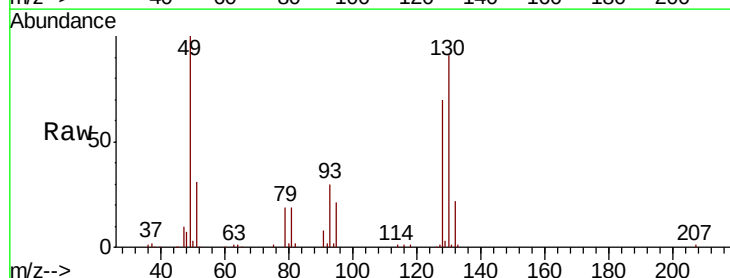
Ion Ratio Lower Upper

128 100

49 142.1 115.1 213.8

130 129.8 88.9 165.1

51 44.6 41.6 62.4

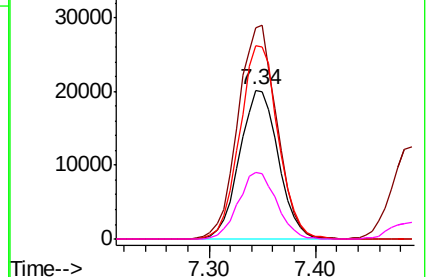
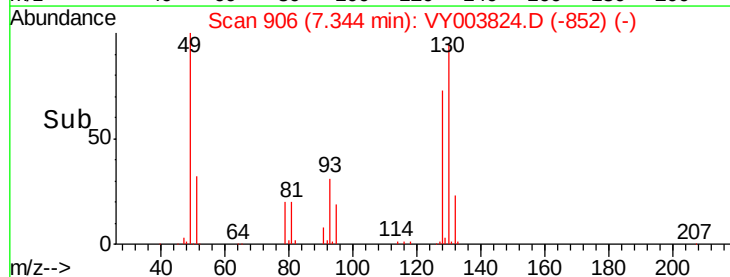


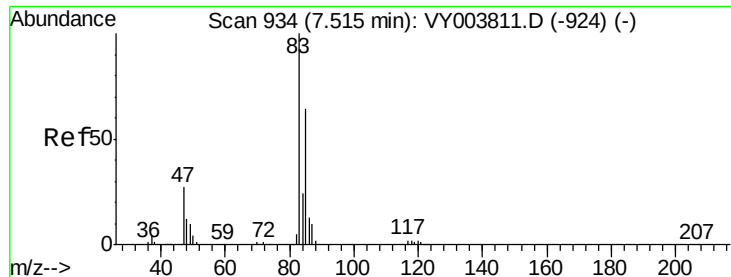
Abundance Ion 128.00 (127.70 to 128.70): VY003824.D (-852) (-)

Ion 49.00 (48.70 to 49.70): VY003824.D (-852) (-)

Ion 130.00 (129.70 to 130.70): VY003824.D (-852) (-)

Ion 51.00 (50.70 to 51.70): VY003824.D (-852) (-)

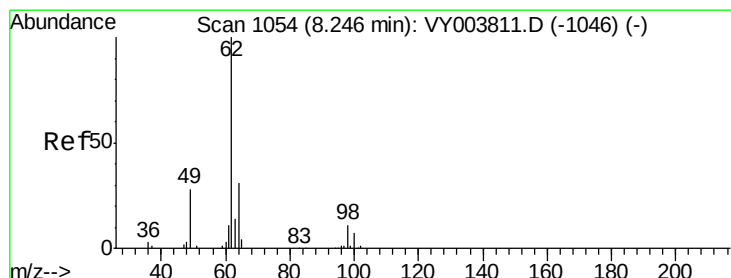
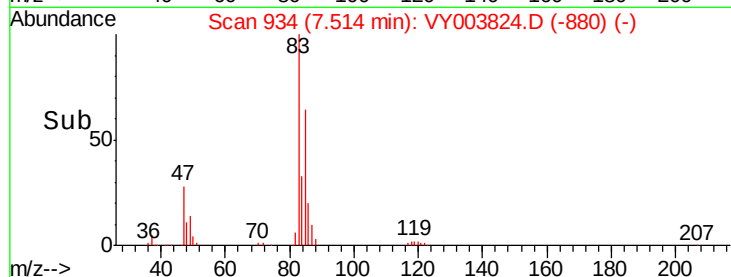
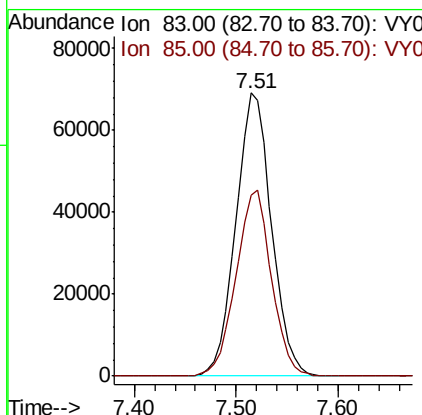
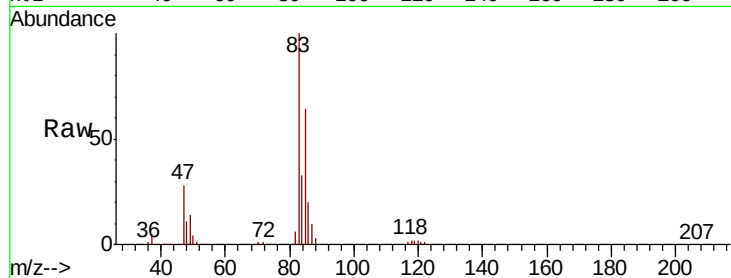




#25
Chloroform
Concen: 25.540 ug/L
RT: 7.51 min Scan# 934
Delta R.T. -0.00 min
Lab File: VY003824.D
Acq: 19 Dec 2020 10:40

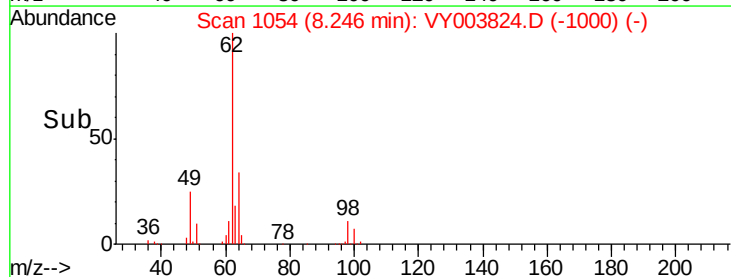
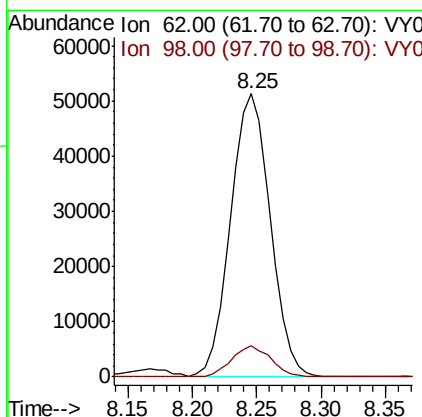
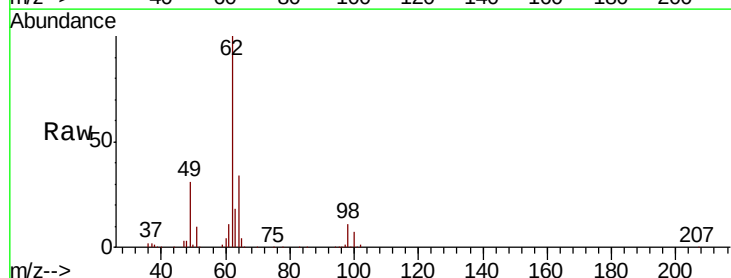
Instrument :
MSVOA_Y
ClientSampleId :

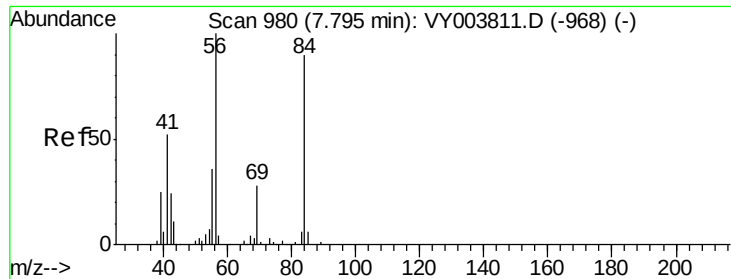
Tot Ion: 83 Resp: 167303
Ion Ratio Lower Upper
83 100
85 65.6 46.5 86.3



#27
1,2-Dichloroethane
Concen: 24.185 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003824.D
Acq: 19 Dec 2020 10:40

Tgt Ion: 62 Resp: 109795
Ion Ratio Lower Upper
62 100
98 11.1 8.3 12.5

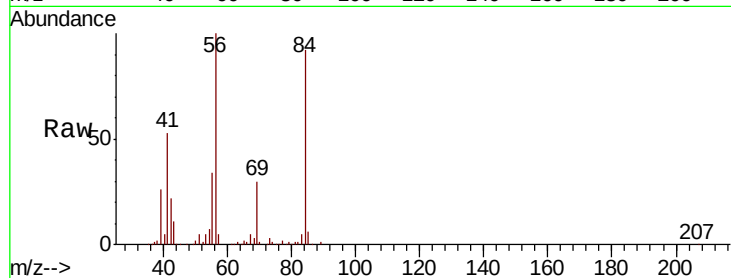




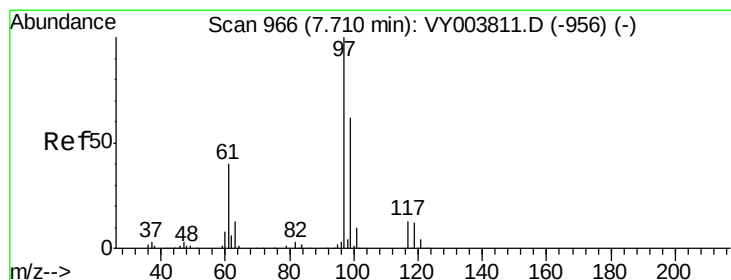
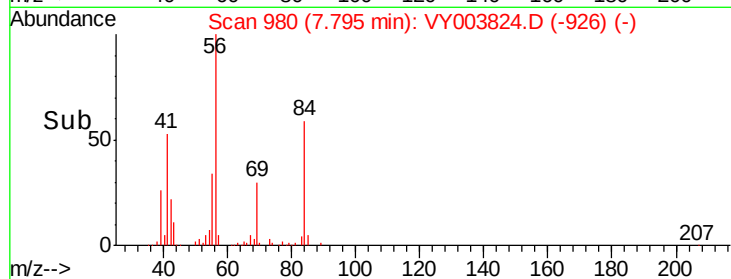
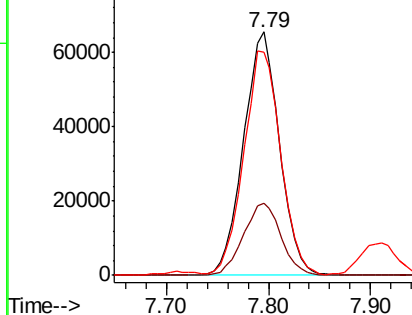
#30
Cyclohexane
Concen: 24.316 ug/L
RT: 7.79 min Scan# 980
Delta R.T. -0.00 min
Lab File: VY003824.D
Acq: 19 Dec 2020 10:40

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 160734
Ion Ratio Lower Upper
56 100
69 30.8 23.4 35.0
84 94.7 68.6 103.0

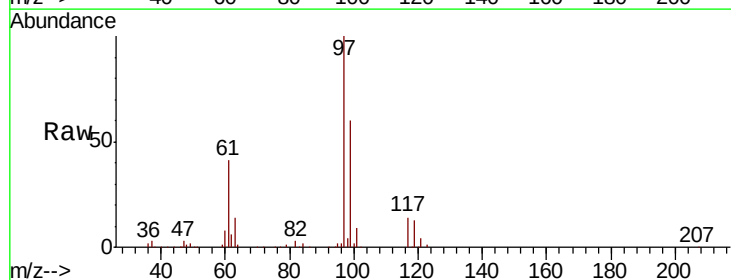


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

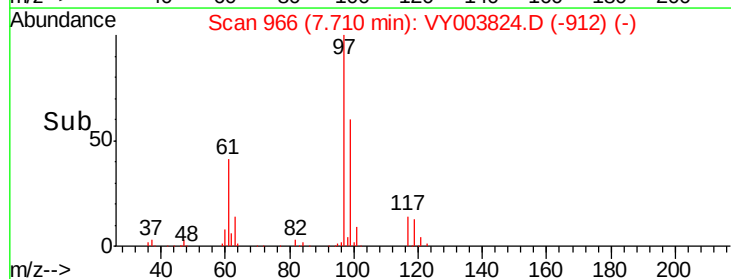
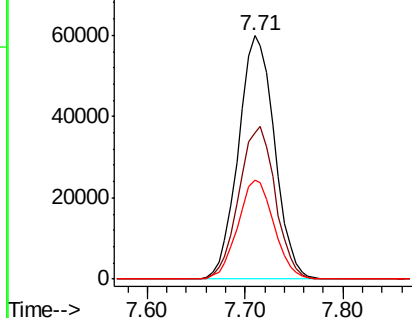


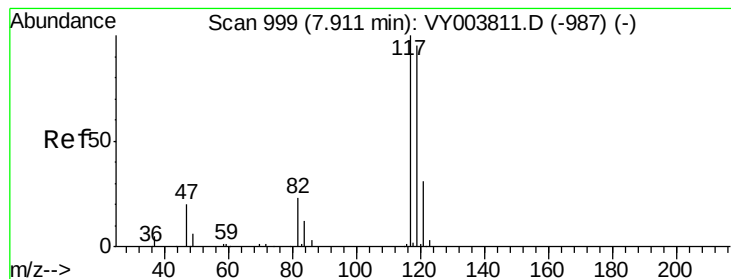
#31
1,1,1-Trichloroethane
Concen: 26.088 ug/L
RT: 7.71 min Scan# 966
Delta R.T. -0.00 min
Lab File: VY003824.D
Acq: 19 Dec 2020 10:40

Tgt Ion: 97 Resp: 153624
Ion Ratio Lower Upper
97 100
99 63.2 50.8 76.2
61 40.8 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: 27.026 ug/L

RT: 7.91 min Scan# 999

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Instrument :

MSVOA_Y

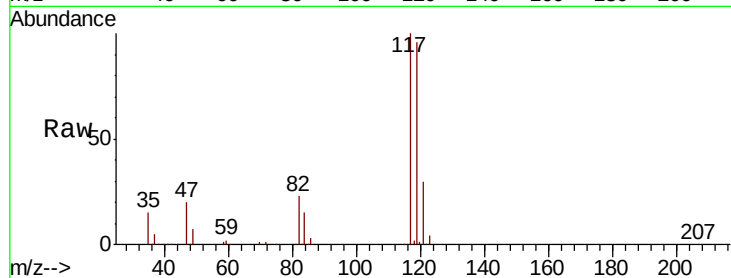
ClientSampleId :

Tot Ion:117 Resp: 140530

Ion Ratio Lower Upper

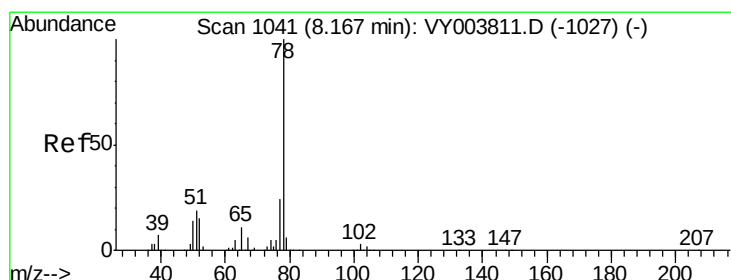
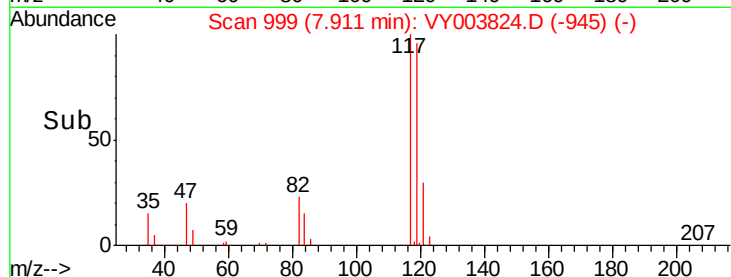
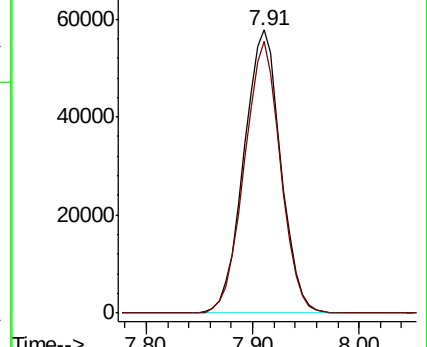
117 100

119 93.9 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: 26.401 ug/L

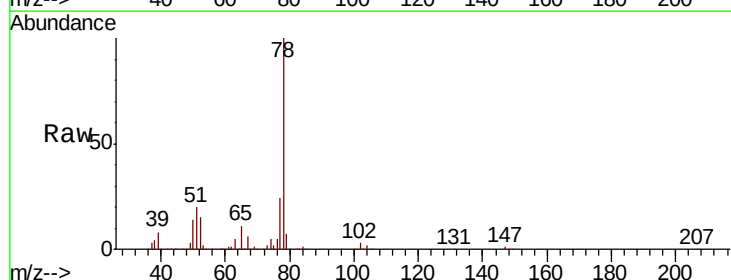
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

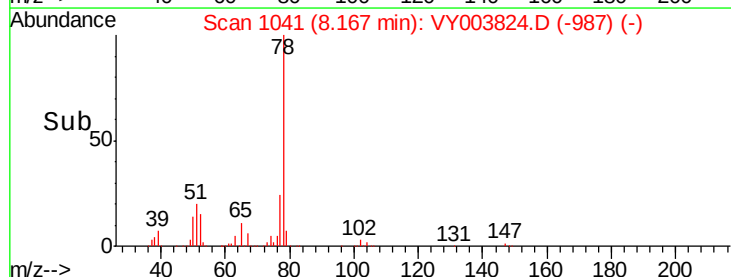
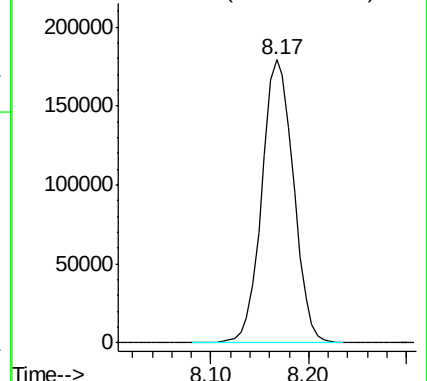
Lab File: VY003824.D

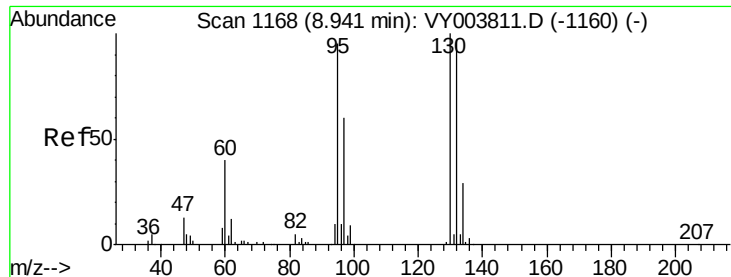
Acq: 19 Dec 2020 10:40

Tgt Ion: 78 Resp: 404518



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 25.630 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 95 Resp: 105405

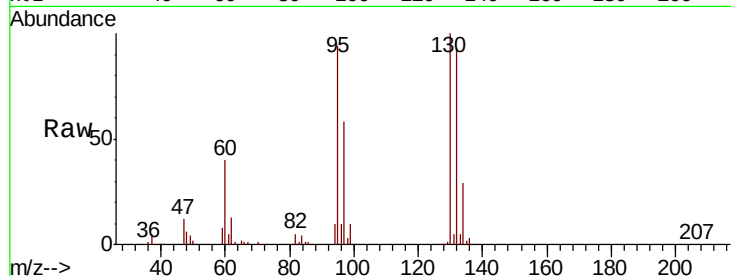
Ion Ratio Lower Upper

95 100

97 63.8 45.4 84.4

132 105.5 70.8 131.4

130 109.7 74.1 137.7

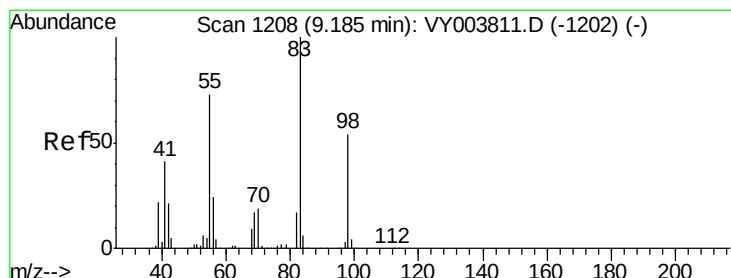
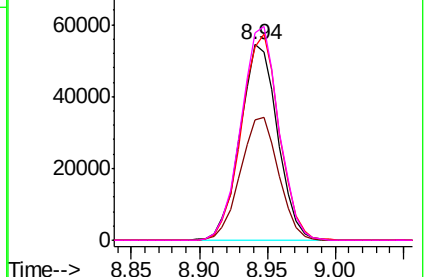
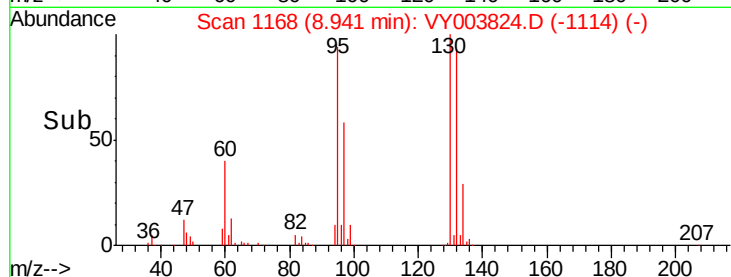


Abundance Ion 95.00 (94.70 to 95.70): VY0

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: 26.029 ug/L

RT: 9.19 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

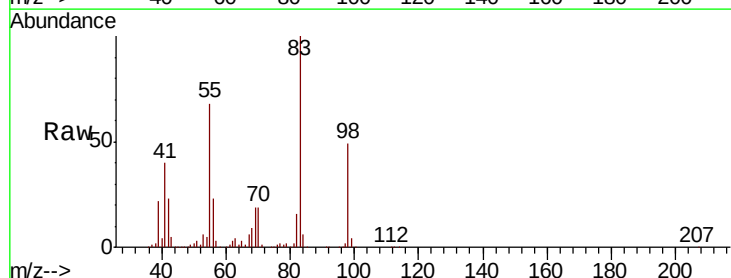
Tgt Ion: 83 Resp: 181328

Ion Ratio Lower Upper

83 100

55 69.7 60.3 90.5

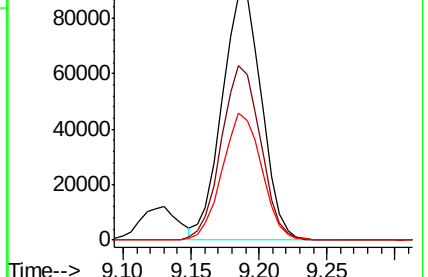
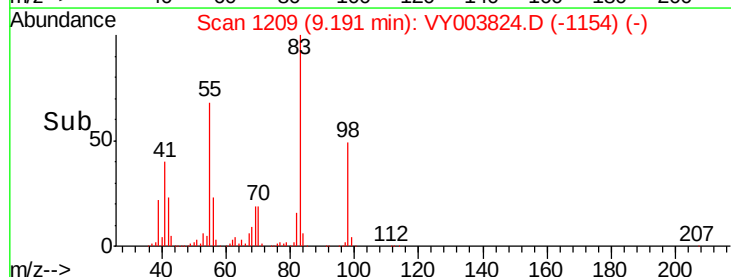
98 51.0 40.4 60.6

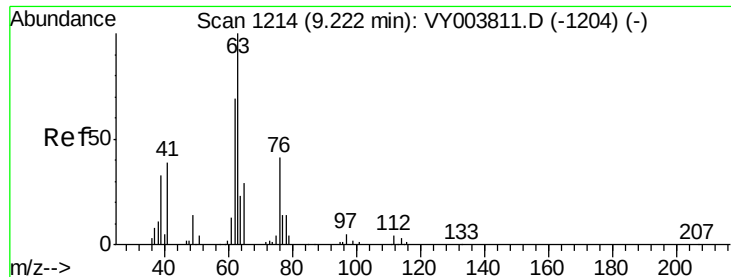


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

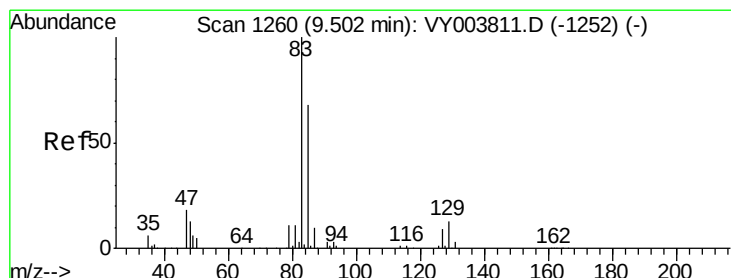
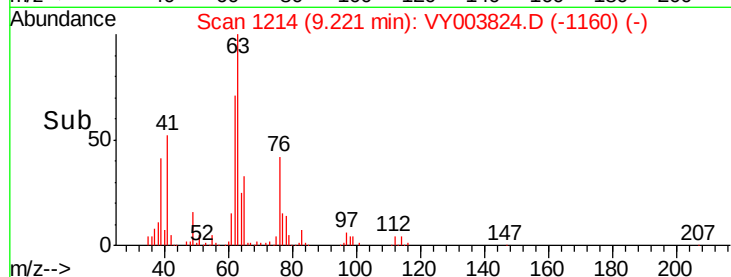
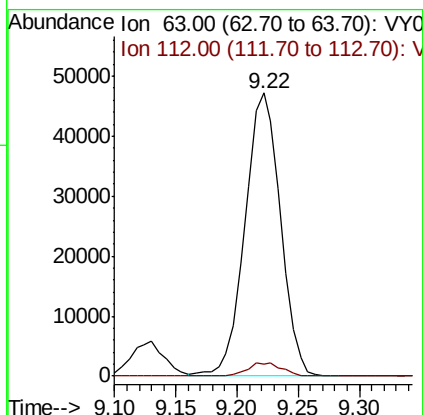
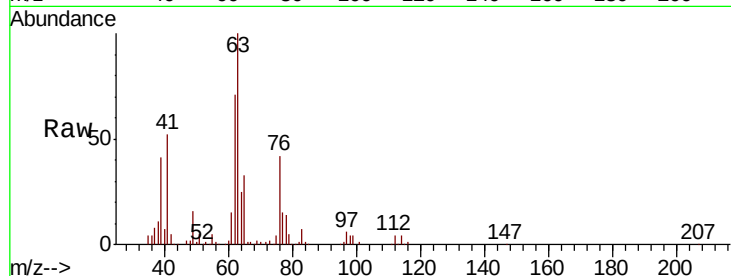




#40
 1,2-Dichloropropane
 Concen: 23.995 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. -0.00 min
 Lab File: VY003824.D
 Acq: 19 Dec 2020 10:40

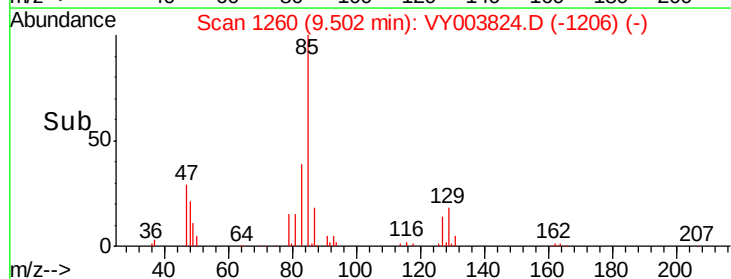
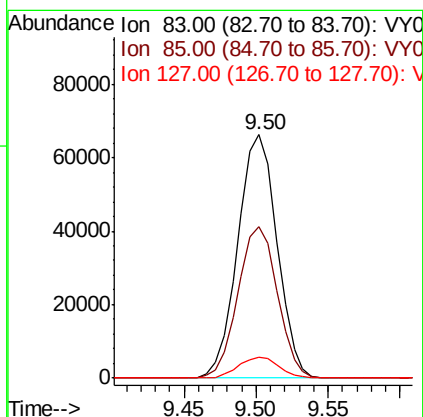
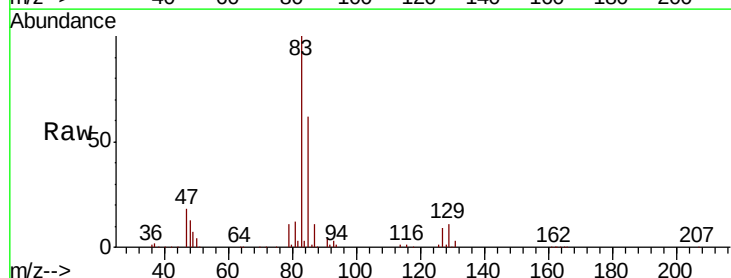
Instrument :
 MSVOA_Y
 ClientSampled :

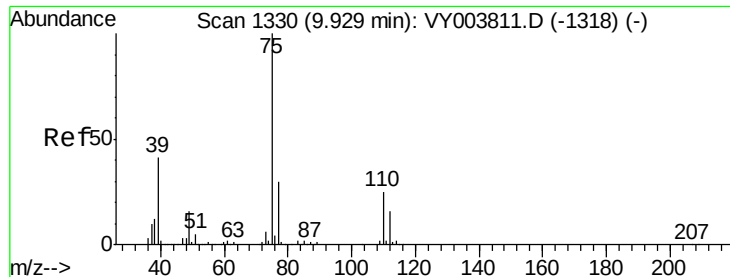
Tot Ion: 63 Resp: 95289
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.4 5.2



#41
 Bromodichloromethane
 Concen: 25.209 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VY003824.D
 Acq: 19 Dec 2020 10:40

Tgt Ion: 83 Resp: 125335
 Ion Ratio Lower Upper
 83 100
 85 62.3 44.2 82.2
 127 8.7 6.6 10.0



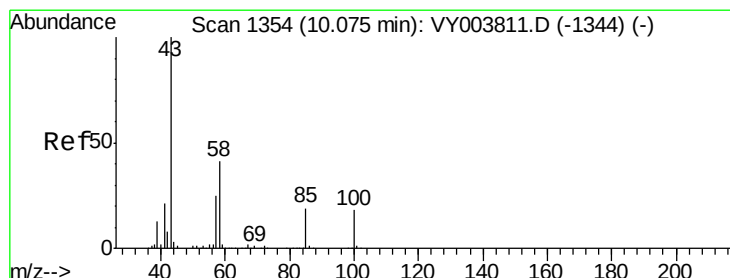
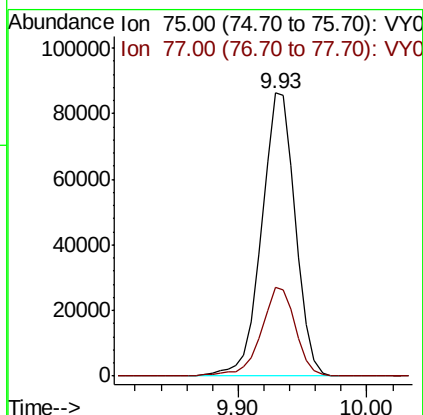
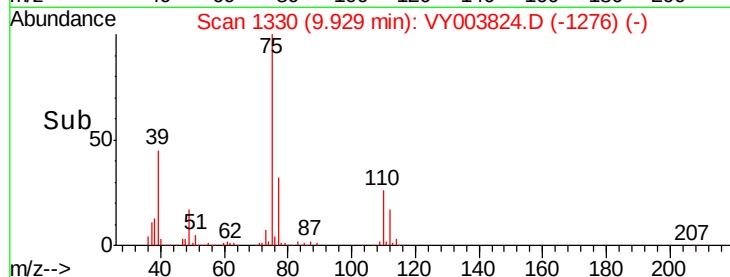
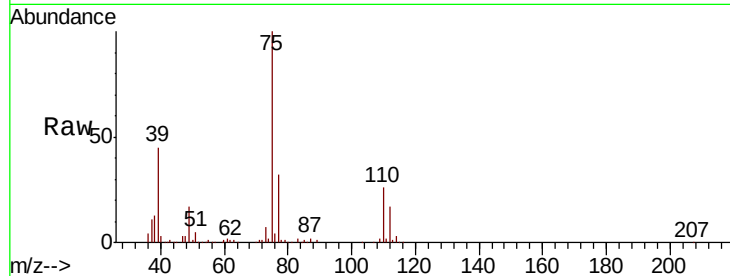


#42

cis-1,3-Dichloropropene
Concen: 24.880 ug/L
RT: 9.93 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VY003824.D
Acq: 19 Dec 2020 10:40

Instrument :
MSVOA_Y
ClientSampleId :

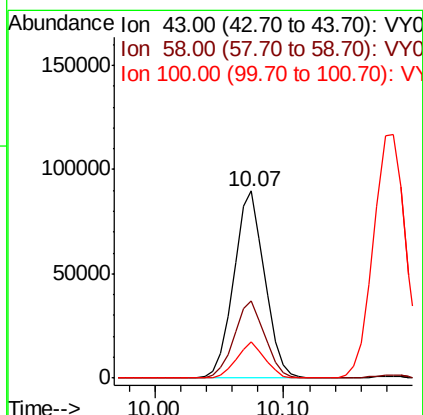
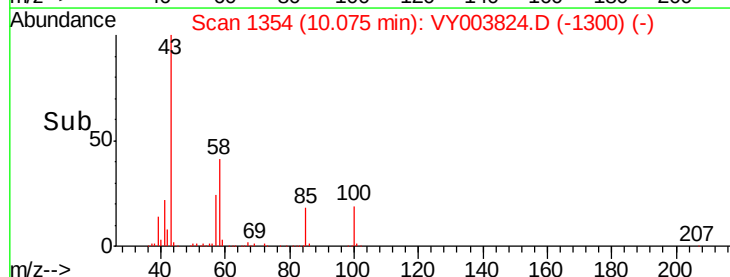
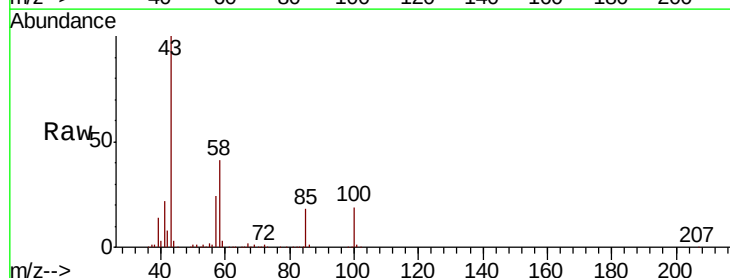
Tot Ion: 75 Resp: 157001
Ion Ratio Lower Upper
75 100
77 31.5 21.3 39.6

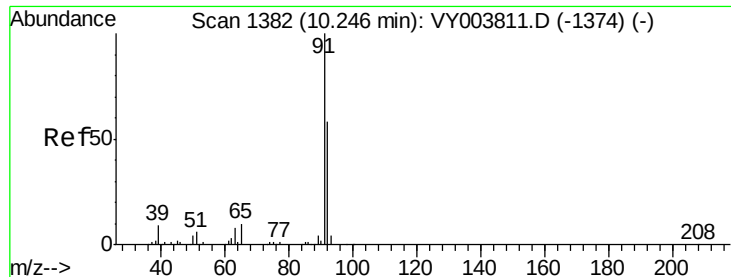


#43

4-Methyl-2-pentanone
Concen: 38.682 ug/L
RT: 10.07 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VY003824.D
Acq: 19 Dec 2020 10:40

Tgt Ion: 43 Resp: 148952
Ion Ratio Lower Upper
43 100
58 41.0 30.8 46.2
100 17.9 11.8 17.8#





#44

Toluene

Concen: 26.845 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Instrument :

MSVOA_Y

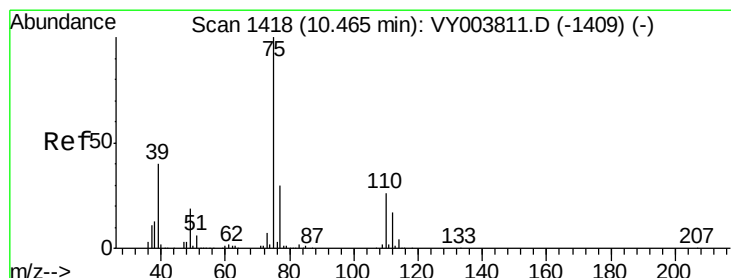
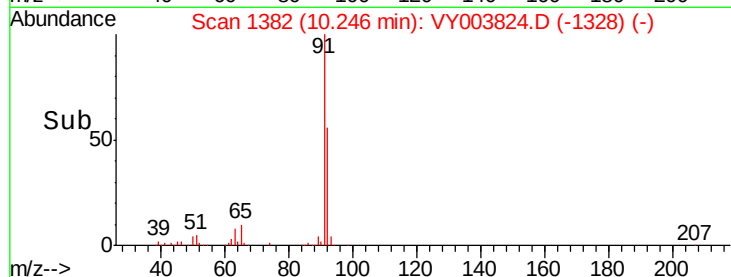
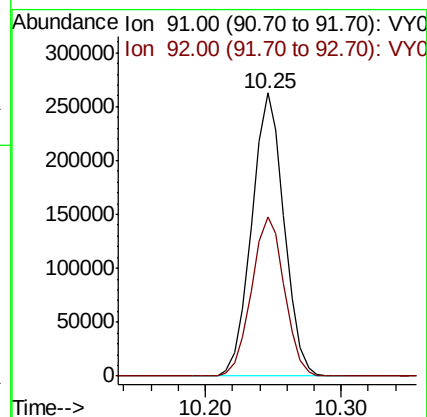
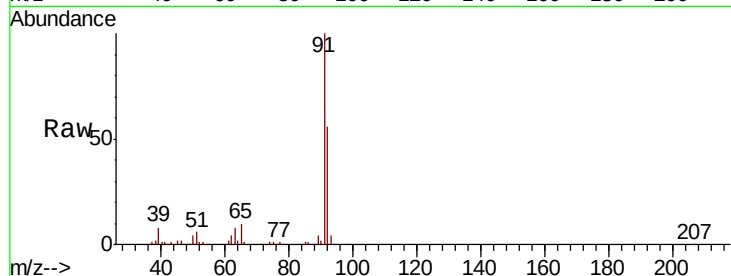
ClientSampleId :

Tot Ion: 91 Resp: 436898

Ion Ratio Lower Upper

91 100

92 56.2 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 25.111 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003824.D

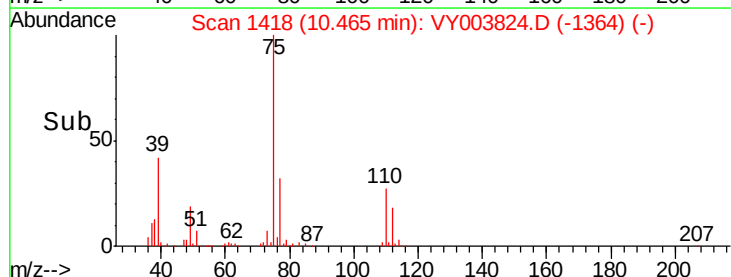
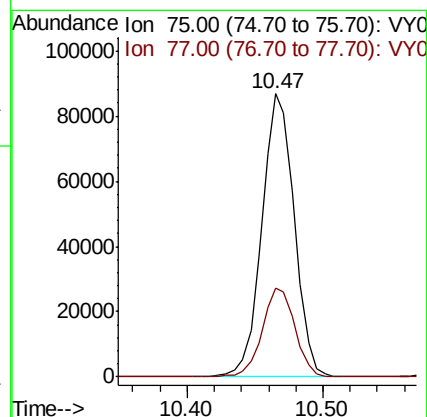
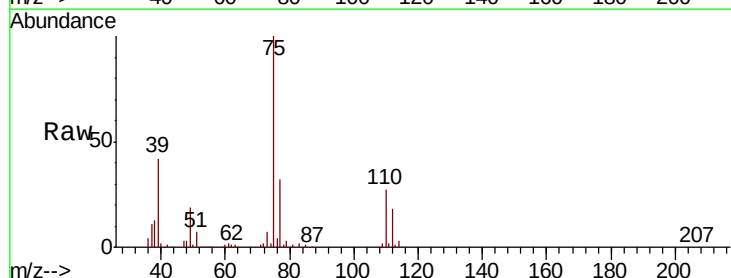
Acq: 19 Dec 2020 10:40

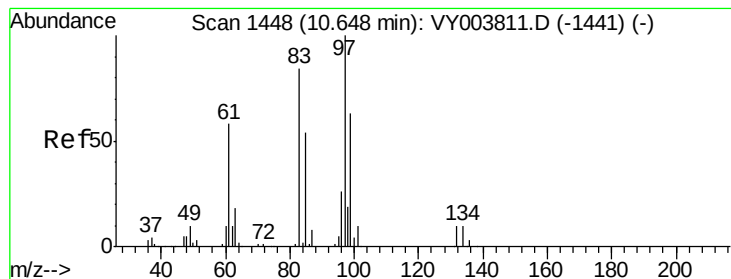
Tgt Ion: 75 Resp: 144999

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 25.225 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 81127

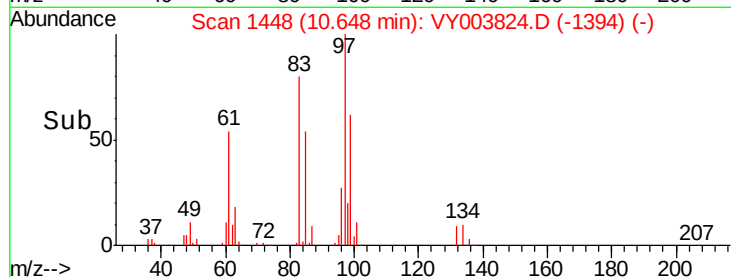
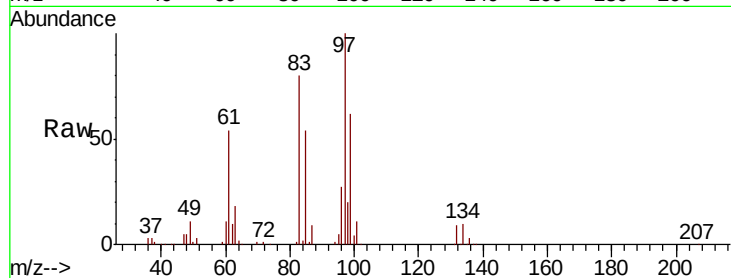
Ion	Ratio	Lower	Upper
97	100		
83	79.9	60.0	111.4
85	53.5	38.9	72.2
99	62.1	44.4	82.4

97 100

83 79.9 60.0 111.4

85 53.5 38.9 72.2

99 62.1 44.4 82.4



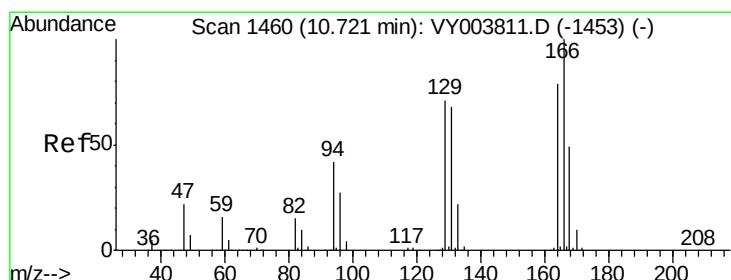
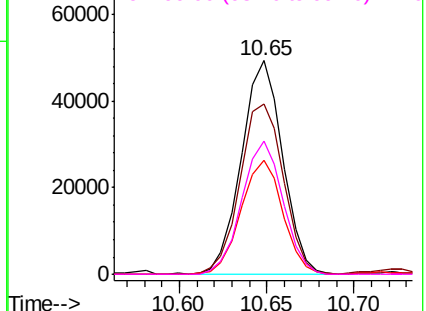
Abundance

Ion 97.00 (96.70 to 97.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 99.00 (98.70 to 99.70): VY0



#47

Tetrachloroethene

Concen: 27.263 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Tgt Ion: 164 Resp: 89154

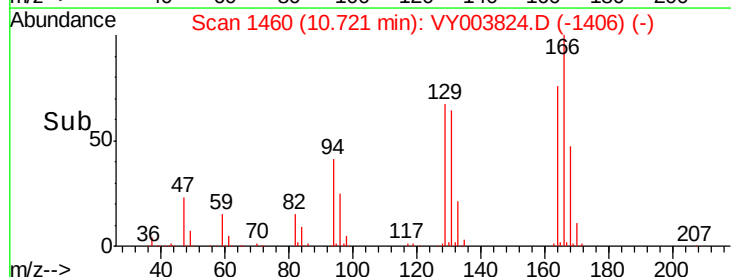
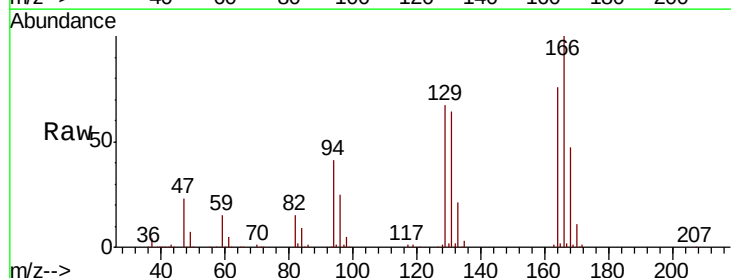
Ion	Ratio	Lower	Upper
164	100		
129	87.2	61.3	113.9
131	83.3	60.4	112.2
166	131.2	87.8	163.0

164 100

129 87.2 61.3 113.9

131 83.3 60.4 112.2

166 131.2 87.8 163.0



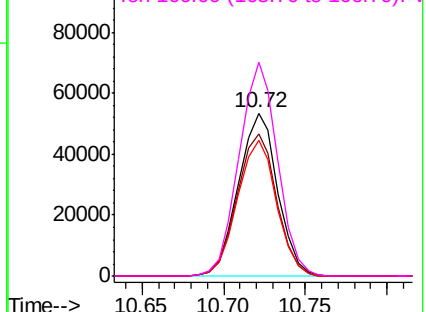
Abundance

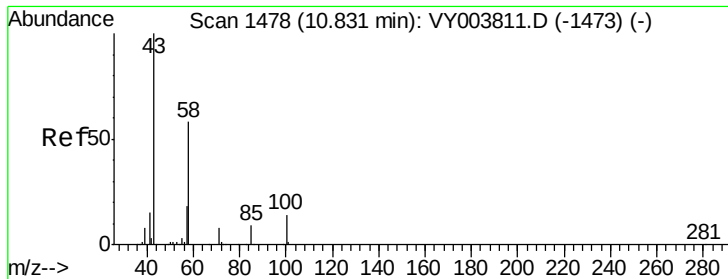
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

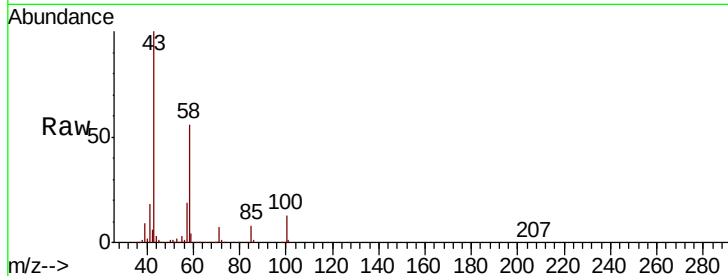




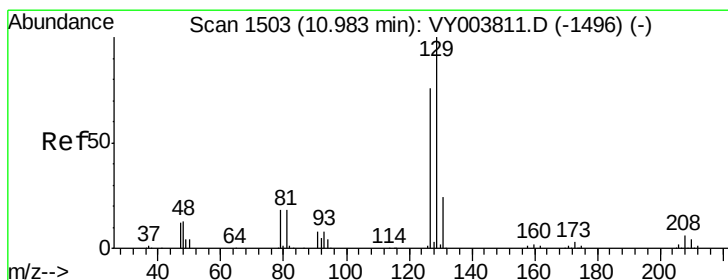
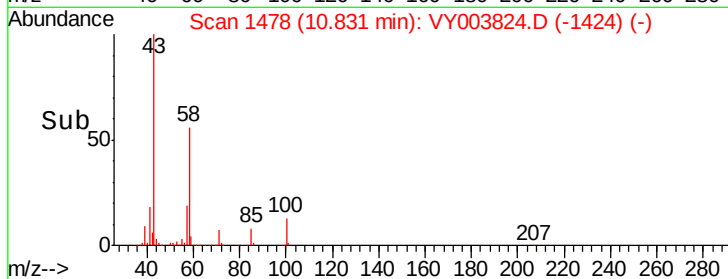
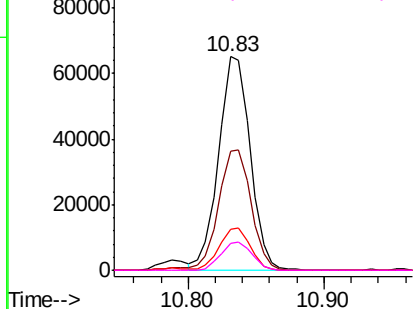
#49
2-Hexanone
Concen: 39.787 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003824.D
Acq: 19 Dec 2020 10:40

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	43	Resp:	105138
Ion	Ratio	Lower	Upper
43	100		
58	57.6	43.0	64.4
57	19.4	14.1	21.1
100	13.3	9.2	13.8

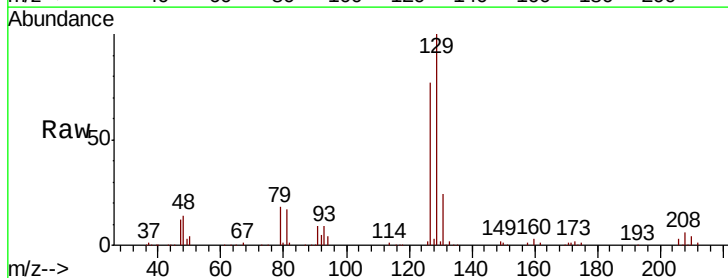


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0
Ion 57.00 (56.70 to 57.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

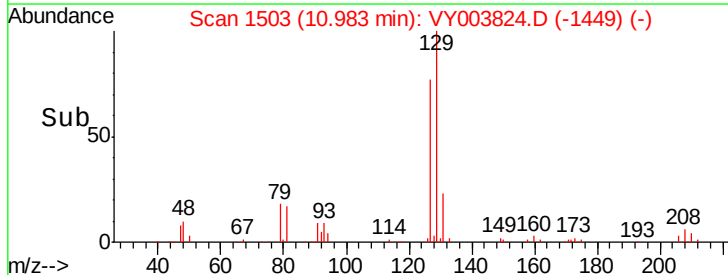
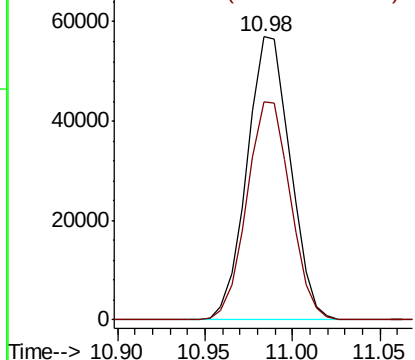


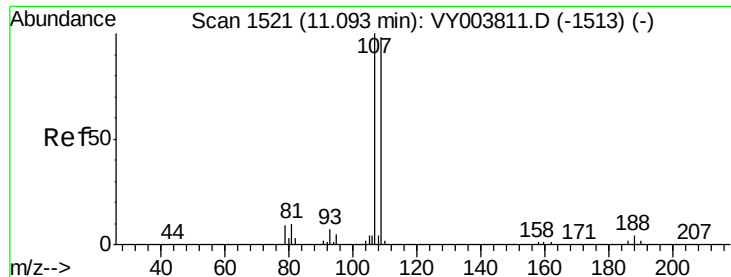
#50
Dibromochloromethane
Concen: 26.091 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003824.D
Acq: 19 Dec 2020 10:40

Tgt Ion:	129	Resp:	98302
Ion	Ratio	Lower	Upper
129	100		
127	77.1	55.2	102.4



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

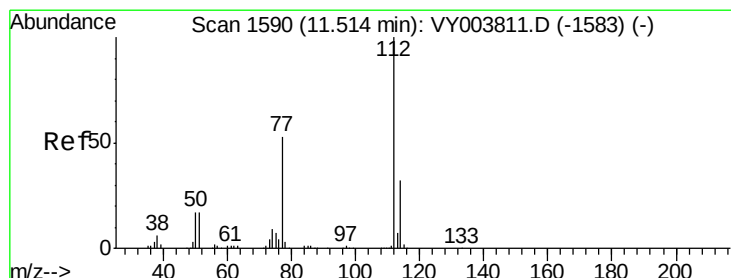
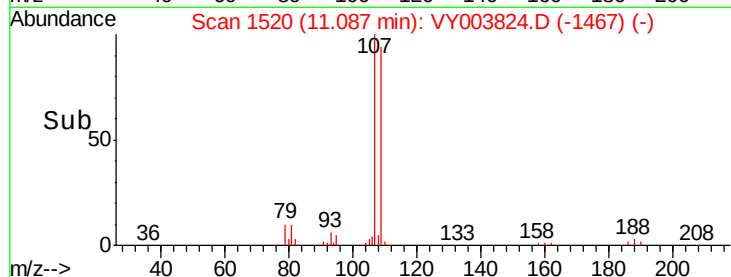
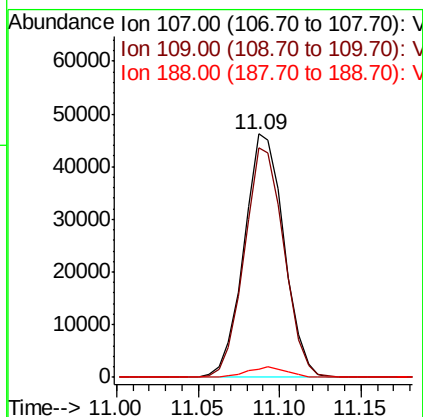
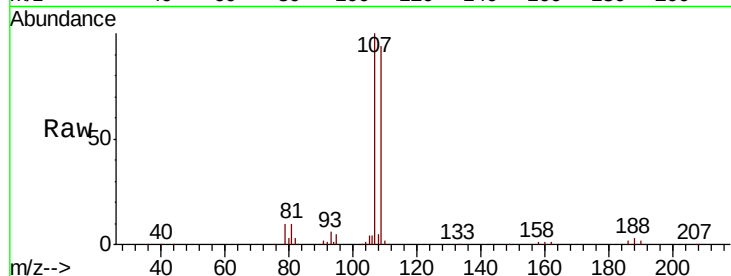




#51
 1,2-Dibromoethane
 Concen: 24.690 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. -0.01 min
 Lab File: VY003824.D
 Acq: 19 Dec 2020 10:40

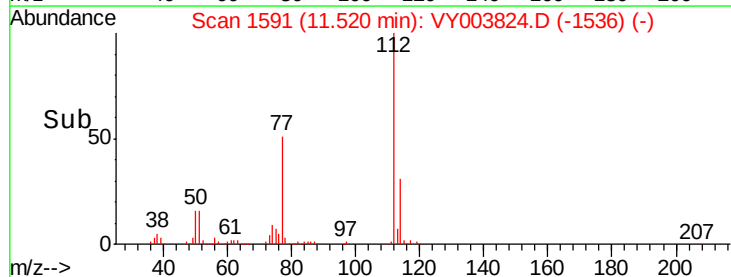
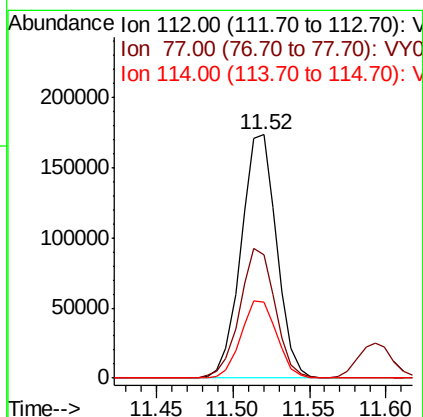
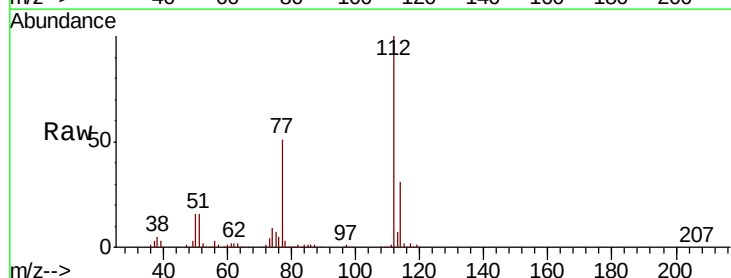
Instrument :
 MSVOA_Y
 ClientSampleId :

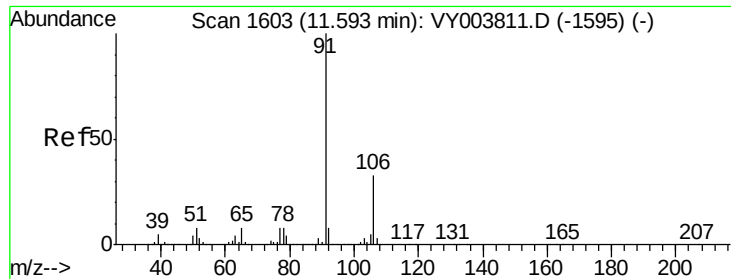
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	64.6	120.0
188	3.4	2.9	4.3



#52
 Chlorobenzene
 Concen: 26.795 ug/L
 RT: 11.52 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: VY003824.D
 Acq: 19 Dec 2020 10:40

Tgt Ion	Ratio	Lower	Upper
112	100		
77	50.7	45.1	67.7
114	31.1	22.6	42.0





#53

Ethylbenzene

Concen: 26.625 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Instrument :

MSVOA_Y

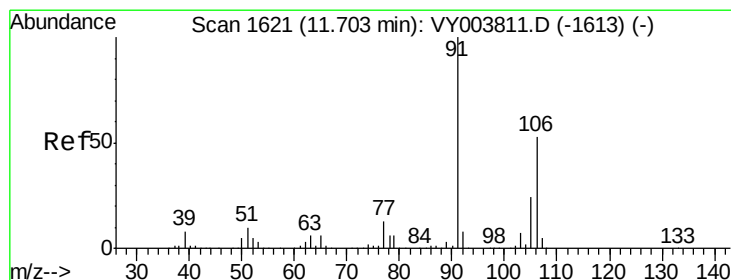
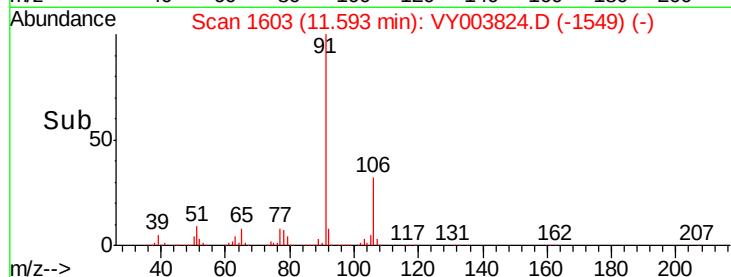
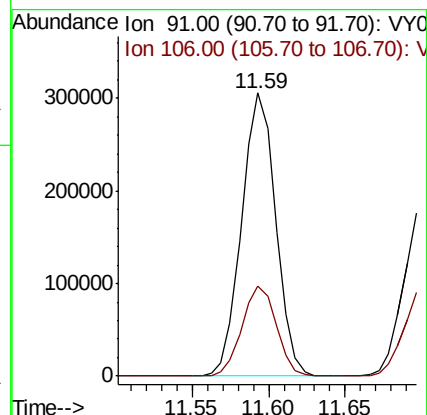
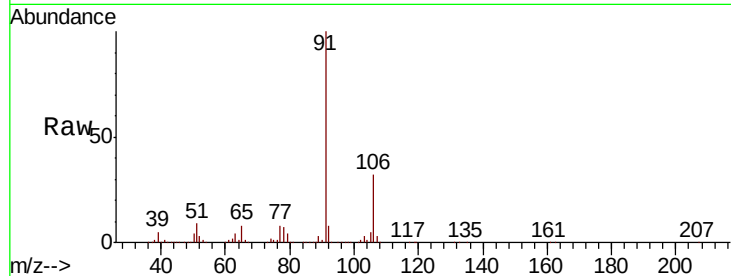
ClientSampleId :

Tot Ion: 91 Resp: 473455

Ion Ratio Lower Upper

91 100

106 31.9 22.0 41.0



#54

m,p-Xylene

Concen: 26.803 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003824.D

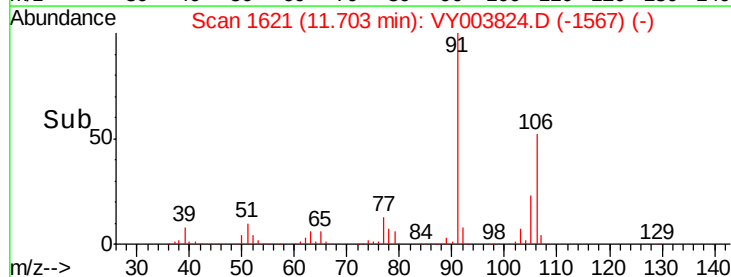
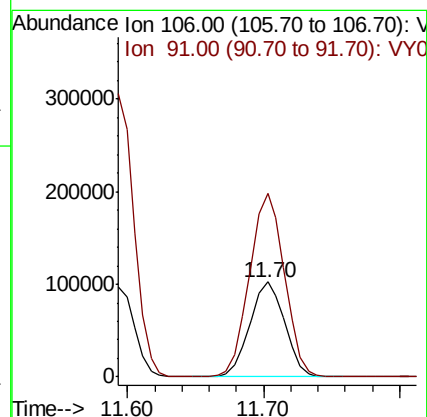
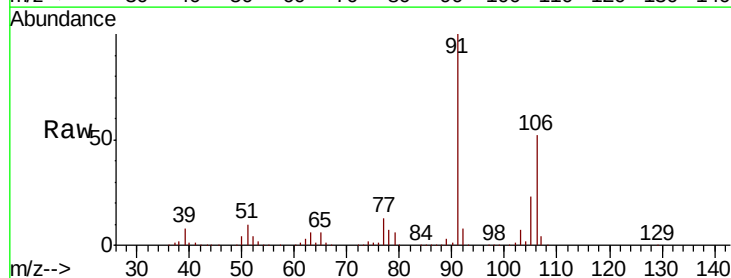
Acq: 19 Dec 2020 10:40

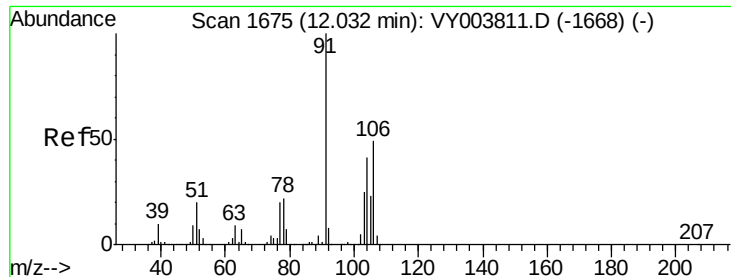
Tgt Ion: 106 Resp: 183844

Ion Ratio Lower Upper

106 100

91 193.3 136.4 253.4





#55

o-xylene

Concen: 27.358 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Instrument :

MSVOA_Y

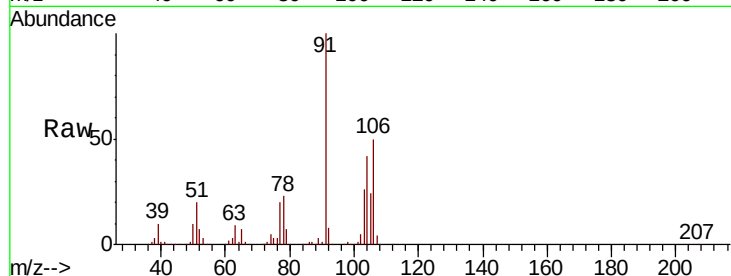
ClientSampleId :

Tot Ion:106 Resp: 176087

Ion Ratio Lower Upper

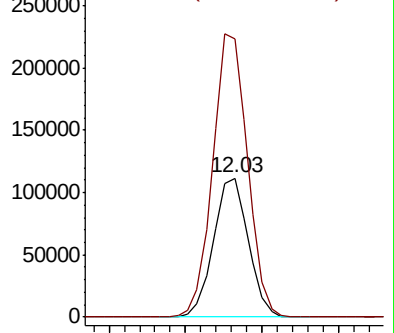
106 100

91 200.2 145.5 270.1

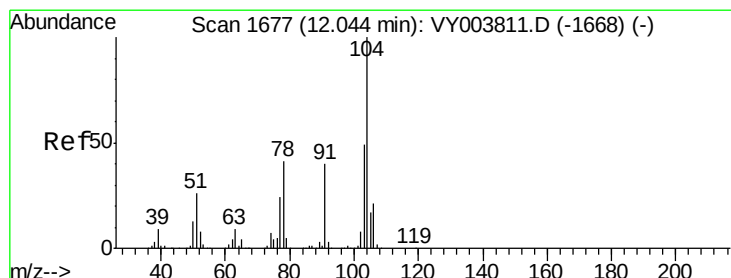
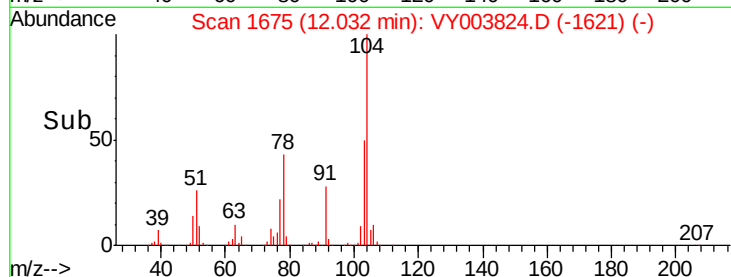


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



Time-->



#56

Styrene

Concen: 27.462 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003824.D

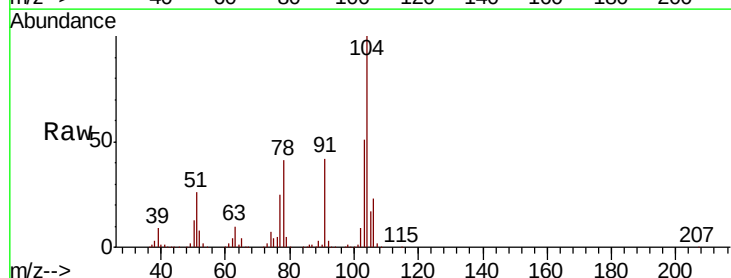
Acq: 19 Dec 2020 10:40

Tgt Ion:104 Resp: 301765

Ion Ratio Lower Upper

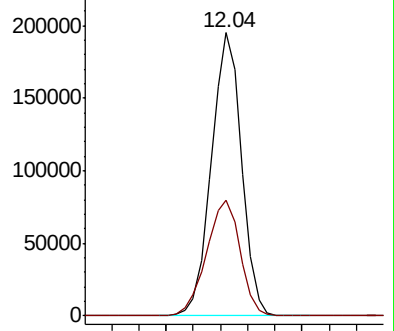
104 100

78 41.0 30.6 56.8

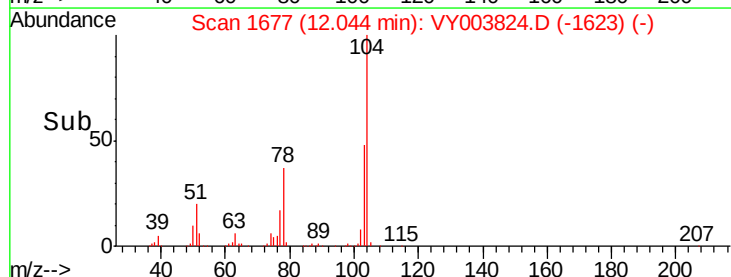


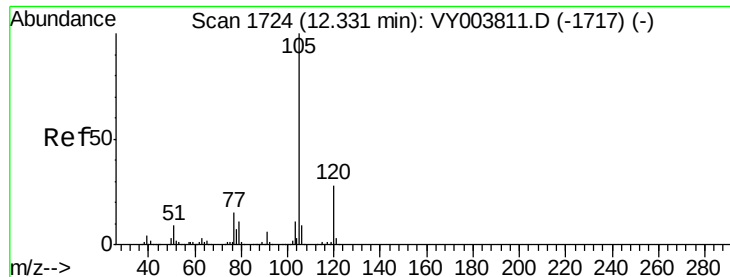
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0



Time-->





#57

Isopropylbenzene

Concen: 27.131 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

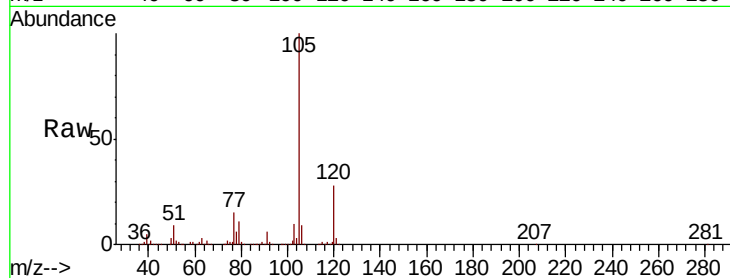
Tot Ion:105 Resp: 466311

Ion Ratio Lower Upper

105 100

120 28.0 22.1 33.1

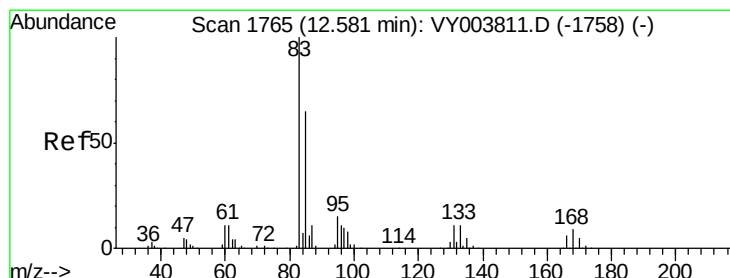
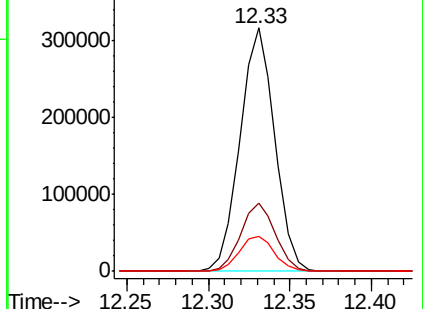
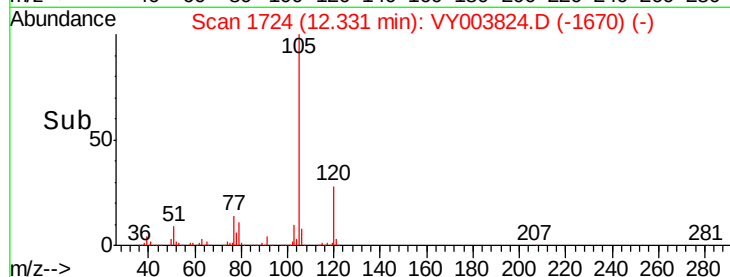
77 14.7 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): VY003811.D (-1717) (-)

Ion 120.00 (119.70 to 120.70): VY003811.D (-1717) (-)

Ion 77.00 (76.70 to 77.70): VY003811.D (-1717) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 23.818 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

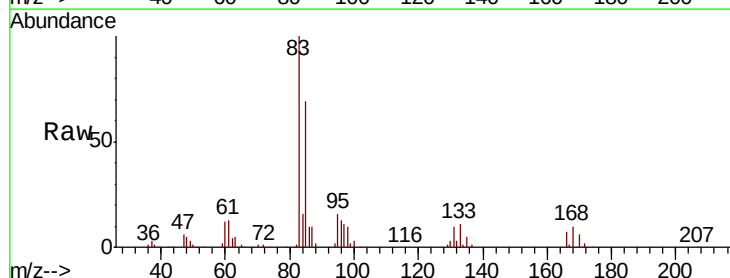
Tgt Ion: 83 Resp: 89493

Ion Ratio Lower Upper

83 100

85 68.8 43.9 81.5

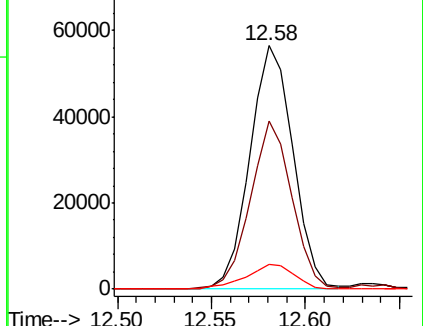
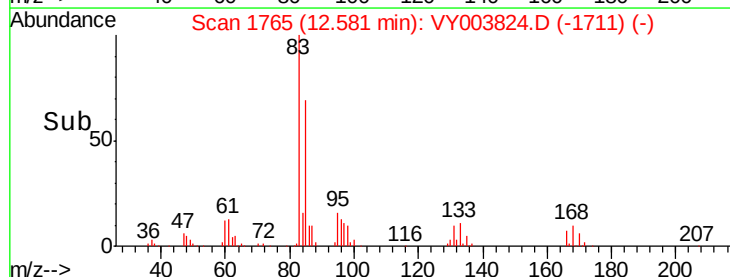
131 10.2 7.8 11.8

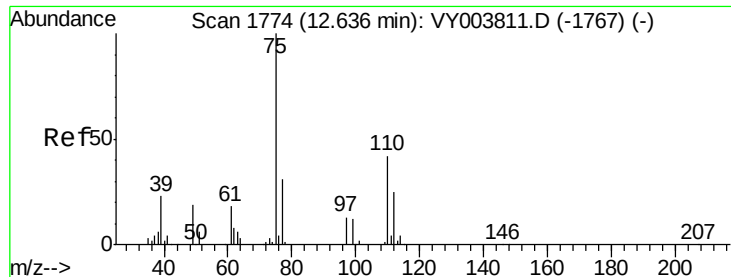


Abundance Ion 83.00 (82.70 to 83.70): VY003811.D (-1758) (-)

Ion 85.00 (84.70 to 85.70): VY003811.D (-1758) (-)

Ion 131.00 (130.70 to 131.70): VY003811.D (-1758) (-)





#59

1,2,3-Trichloropropane

Concen: 22.717 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Instrument :

MSVOA_Y

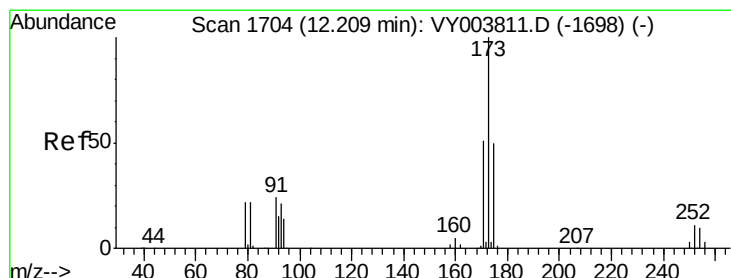
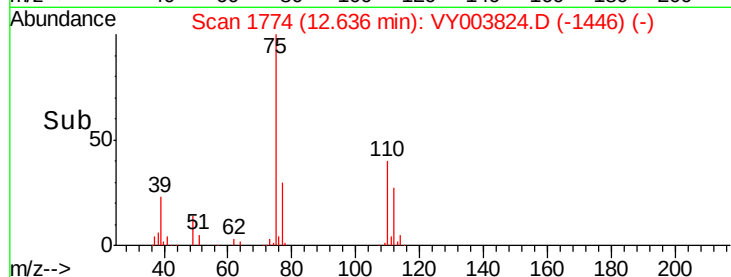
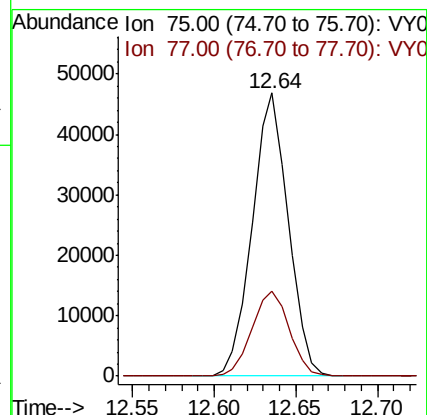
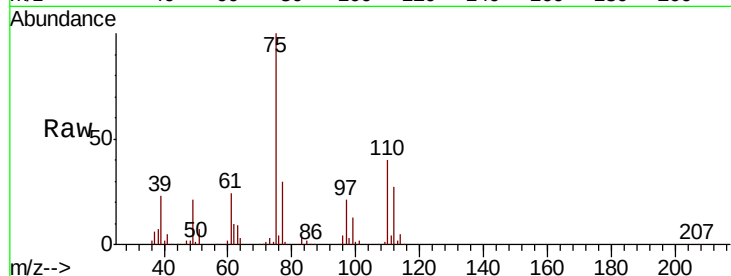
ClientSampleId :

Tot Ion: 75 Resp: 72009

Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3



#62

Bromoform

Concen: 25.067 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

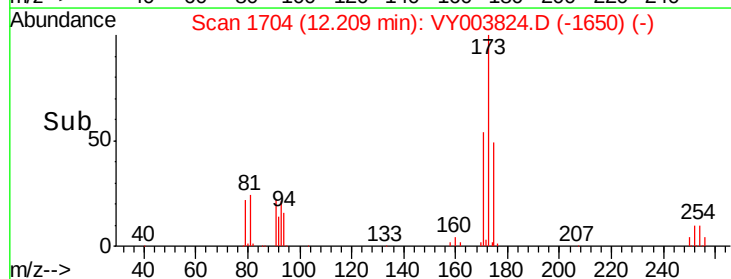
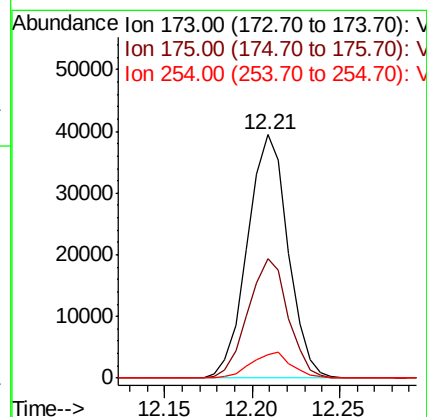
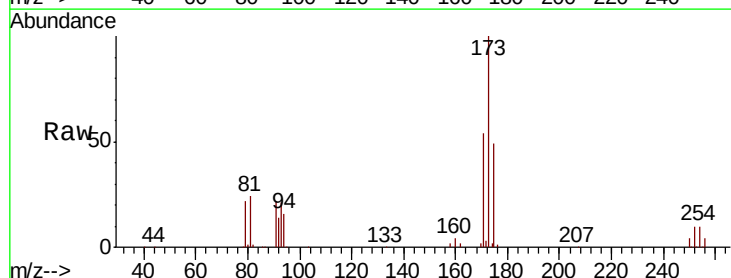
Tgt Ion: 173 Resp: 63668

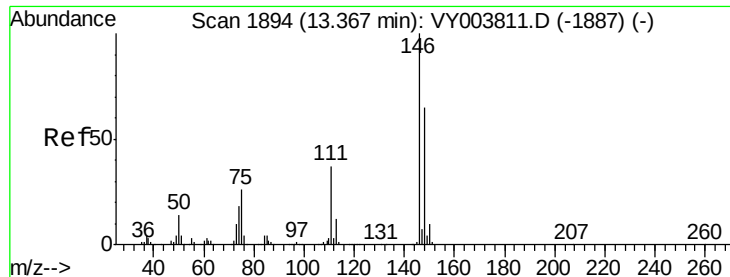
Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

254 10.4 7.8 11.6

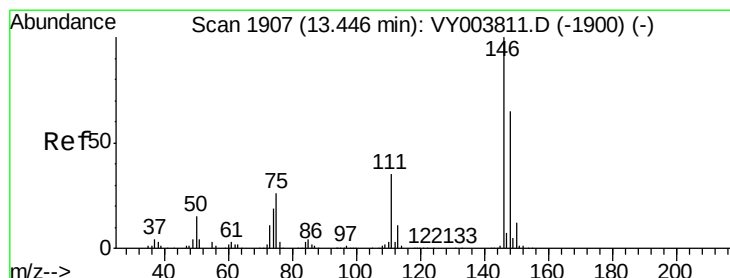
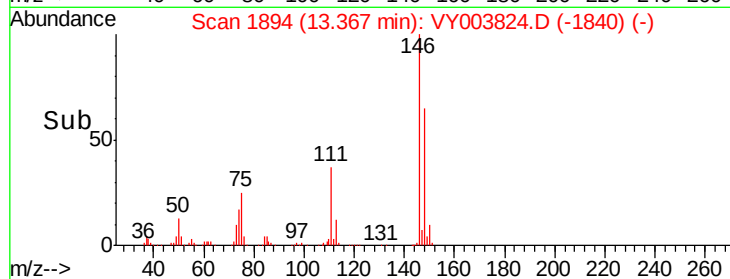
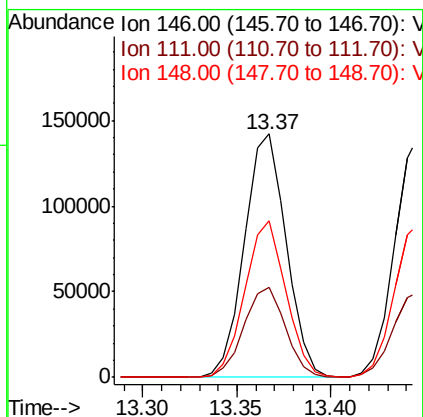
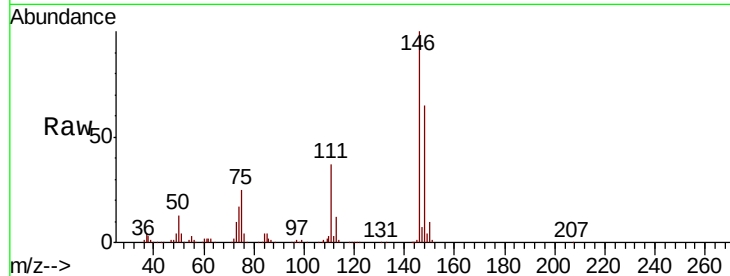




#63
 1,3-Dichlorobenzene
 Concen: 27.385 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. -0.00 min
 Lab File: VY003824.D
 Acq: 19 Dec 2020 10:40

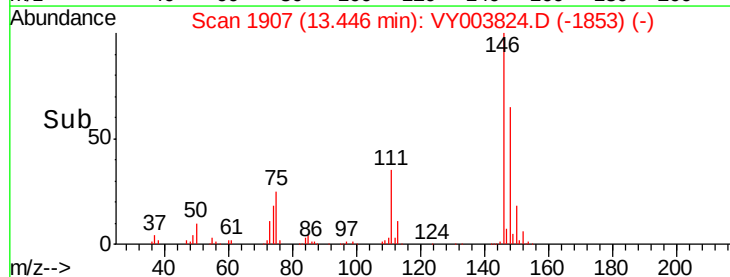
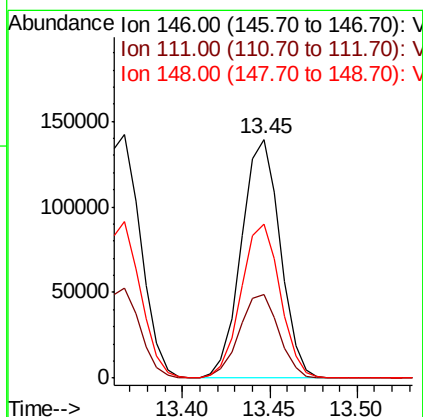
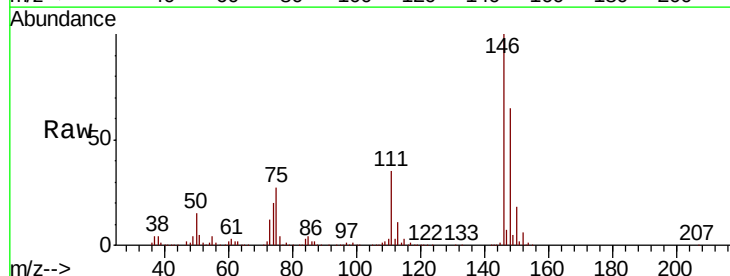
Instrument :
 MSVOA_Y
 ClientSampleId :

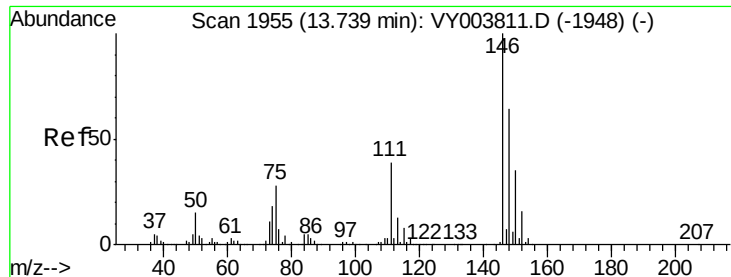
Tot Ion:146 Resp: 218427
 Ion Ratio Lower Upper
 146 100
 111 36.9 26.9 50.1
 148 64.6 46.0 85.4



#64
 1,4-Dichlorobenzene
 Concen: 26.569 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003824.D
 Acq: 19 Dec 2020 10:40

Tgt Ion:146 Resp: 215391
 Ion Ratio Lower Upper
 146 100
 111 35.2 24.8 46.0
 148 64.5 44.4 82.5

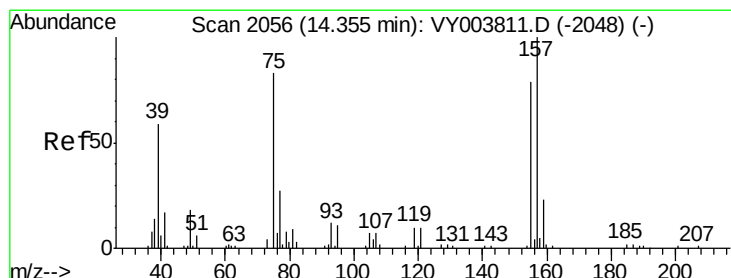
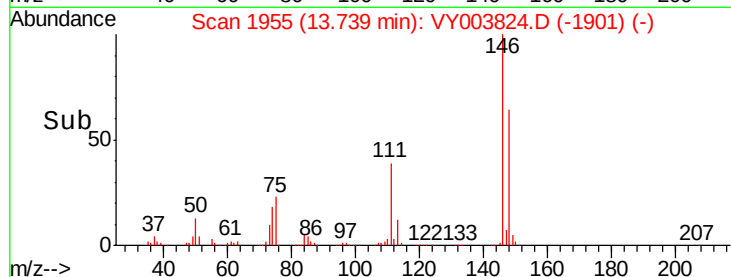
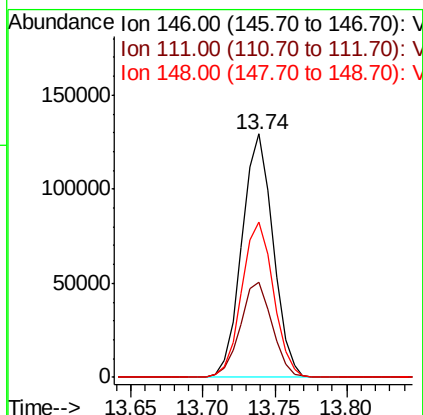
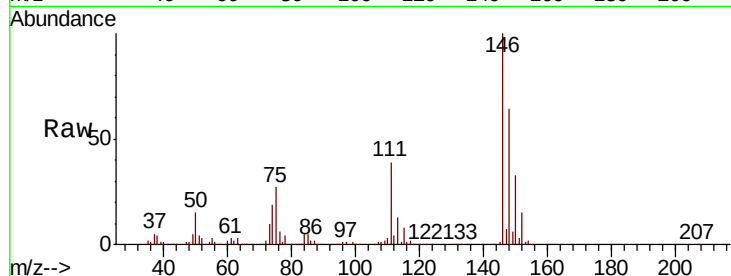




#65
 1,2-Dichlorobenzene
 Concen: 26.454 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VY003824.D
 Acq: 19 Dec 2020 10:40

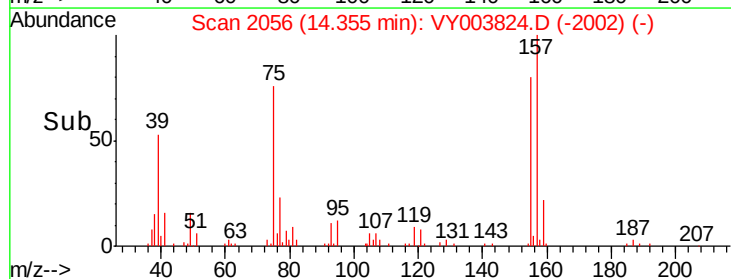
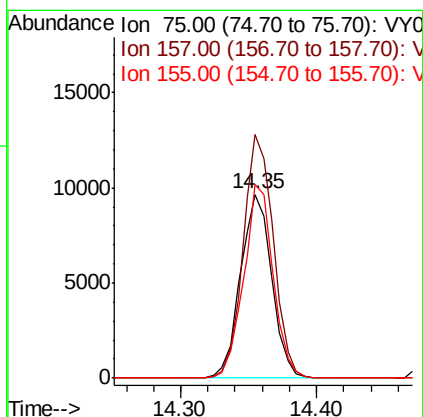
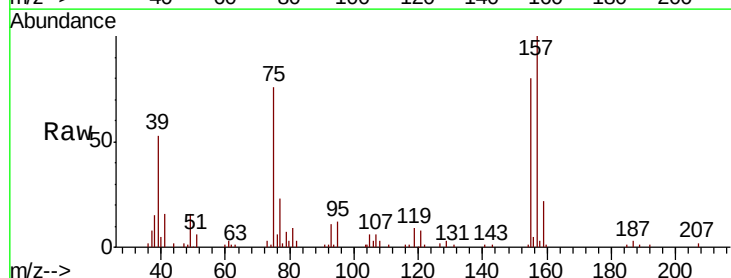
Instrument :
 MSVOA_Y
 ClientSampleId :

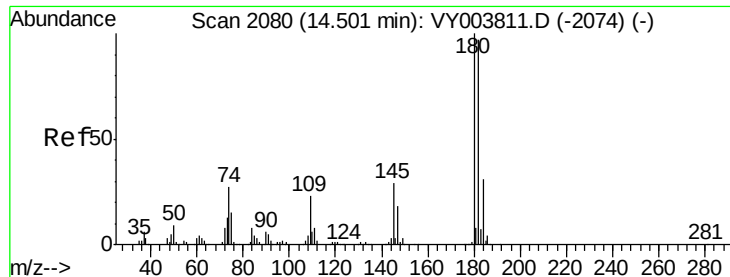
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	31.8	47.8
148	63.8	51.3	76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.294 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: VY003824.D
 Acq: 19 Dec 2020 10:40

Tgt Ion	Ratio	Lower	Upper
75	100		
157	132.3	93.8	140.8
155	105.5	70.9	106.3

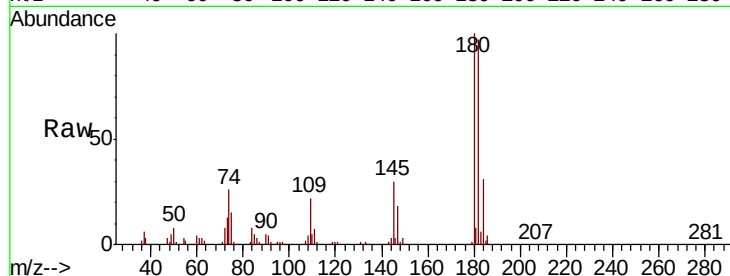




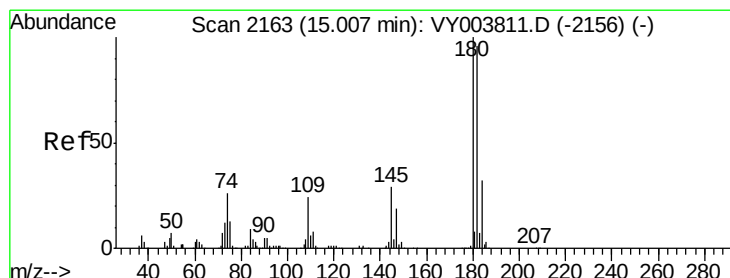
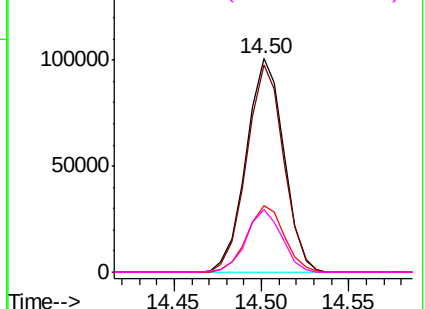
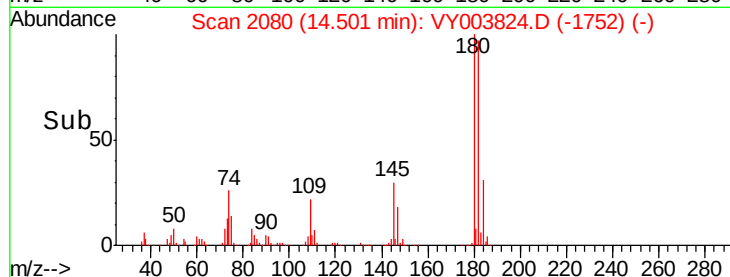
#67
 1,3,5-Trichlorobenzene
 Concen: 27.290 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003824.D
 Acq: 19 Dec 2020 10:40

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180	Resp:	151547
Ion Ratio	Lower	Upper
180	100	
182	95.5	75.7 113.5
184	31.0	24.2 36.4
145	27.9	22.9 34.3

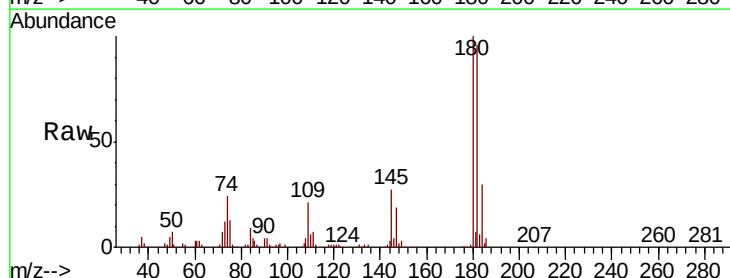


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

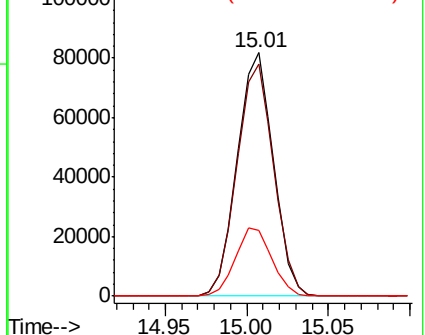
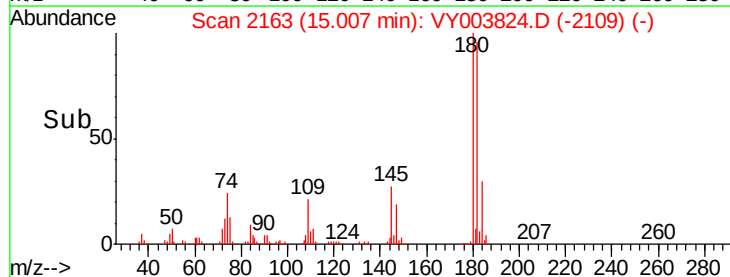


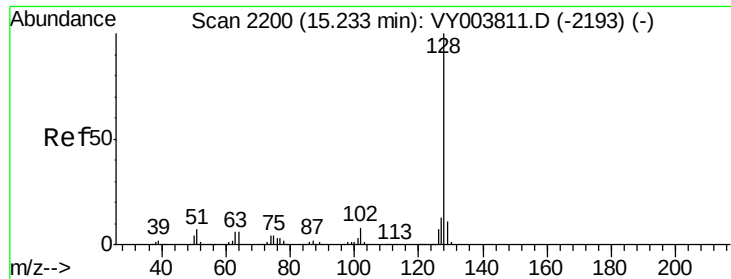
#68
 1,2,4-trichlorobenzene
 Concen: 26.745 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VY003824.D
 Acq: 19 Dec 2020 10:40

Tgt Ion:180	Resp:	126676
Ion Ratio	Lower	Upper
180	100	
182	96.9	76.8 115.2
145	28.3	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: 24.811 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

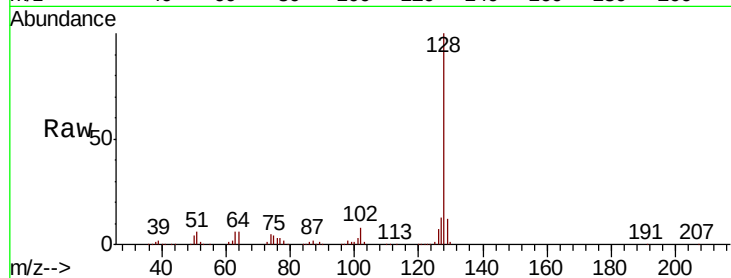
Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:128 Resp: 268137

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	12.8	10.2	15.4

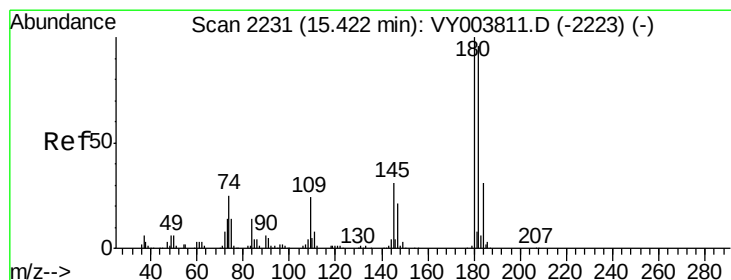


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time--> 15.15 15.20 15.25 15.30



#70

1,2,3-Trichlorobenzene

Concen: 25.840 ug/L

RT: 15.42 min Scan# 2231

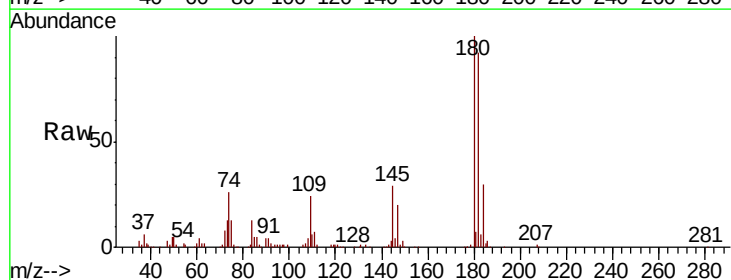
Delta R.T. -0.00 min

Lab File: VY003824.D

Acq: 19 Dec 2020 10:40

Tgt Ion:180 Resp: 111313

Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.0	115.6
145	30.1	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

Time--> 15.35 15.40 15.45 15.50