

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122920\
 Data File : VY003848.D
 Acq On : 29 Dec 2020 11:47
 Operator : SY/MD
 Sample : VSTD05034
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05034

Quant Time: Dec 29 12:58:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 29 12:43:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	338370	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	321780	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	189013	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	248228	62.65	ug/L	0.00
7) Chloroethane-d5	2.76	69	206647	65.58	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	464627	58.79	ug/L	0.00
21) 2-Butanone-d5	6.89	46	209886	118.12	ug/L	0.00
24) Chloroform-d	7.48	84	445830	56.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	286022	63.48	ug/L	0.00
32) Benzene-d6	8.11	84	846238	51.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	252688	51.11	ug/L	0.00
41) Toluene-d8	10.18	98	817760	54.75	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	142550	58.04	ug/L	0.00
47) 2-Hexanone-d5	10.78	63	160503	115.13	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	250376	54.57	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	327711	51.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	249491	65.332 ug/L	99
3) Chloromethane	2.11	50	285551	64.672 ug/L	98
5) Vinyl chloride	2.25	62	318343	69.843 ug/L	98
6) Bromomethane	2.65	94	208923	72.138 ug/L	95
8) Chloroethane	2.80	64	202280	71.160 ug/L	98
9) Trichlorofluoromethane	3.13	101	445068	64.937 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	235185	55.035 ug/L	100
12) 1,1-Dichloroethene	3.88	96	223226	54.855 ug/L	98
13) Acetone	3.95	43	160717	129.301 ug/L	98
14) Carbon disulfide	4.20	76	762160	57.175 ug/L	99
15) Methyl Acetate	4.48	43	184684	59.852 ug/L	99
16) Methylene chloride	4.72	84	249285	42.044 ug/L	96
17) trans-1,2-Dichloroethene	5.22	96	245499	54.158 ug/L	94
18) Methyl tert-butyl Ether	5.23	73	728417	61.714 ug/L	100
19) 1,1-Dichloroethane	6.03	63	440477	57.567 ug/L	99
20) cis-1,2-Dichloroethene	6.99	96	264921	54.604 ug/L	97
22) 2-Butanone	6.99	43	249910	117.252 ug/L	99
23) Bromochloromethane	7.34	128	130705	54.204 ug/L	99
25) Chloroform	7.51	83	462853	59.159 ug/L	98
27) 1,2-Dichloroethane	8.24	62	362021	66.105 ug/L	99
29) Cyclohexane	7.79	56	434626	61.061 ug/L	100
30) 1,1,1-Trichloroethane	7.70	97	439098	61.953 ug/L	99
31) Carbon tetrachloride	7.90	117	406743	63.322 ug/L	99
33) Benzene	8.16	78	995094	54.048 ug/L	100
34) Trichloroethene	8.94	95	273285	55.002 ug/L	98
35) Methylcyclohexane	9.18	83	460722	58.206 ug/L	98
37) 1,2-Dichloropropane	9.22	63	253751	55.180 ug/L	100
38) Bromodichloromethane	9.50	83	357727	59.307 ug/L	99
39) cis-1,3-Dichloropropene	9.93	75	436440	59.019 ug/L	99
40) 4-Methyl-2-pentanone	10.07	43	551478	127.384 ug/L	99

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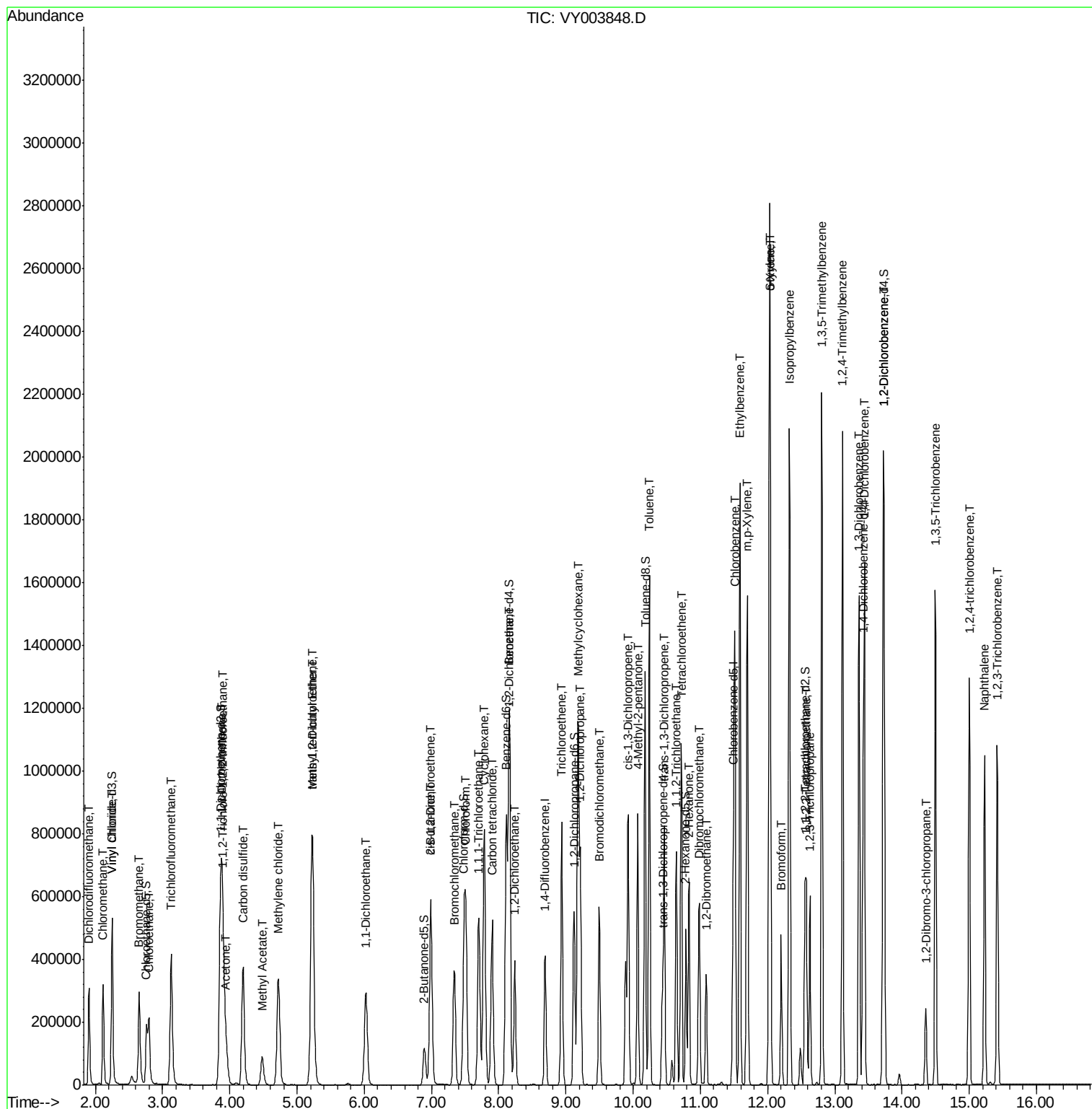
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.24	91	1106648	56.055	ug/L	98
44) trans-1,3-Dichloropropene	10.47	75	420220	60.576	ug/L	99
45) 1,1,2-Trichloroethane	10.64	97	214948	53.626	ug/L	98
46) Tetrachloroethene	10.72	164	239340	58.848	ug/L	98
48) 2-Hexanone	10.83	43	402613	132.797	ug/L	100
49) Dibromochloromethane	10.98	129	280420	59.569	ug/L	99
50) 1,2-Dibromoethane	11.09	107	215249	55.489	ug/L	99
51) Chlorobenzene	11.51	112	712807	54.801	ug/L	98
52) Ethylbenzene	11.59	91	1252085	58.459	ug/L	99
53) m,p-Xylene	11.70	106	477566	57.614	ug/L	96
54) o-Xylene	12.03	106	467060	58.714	ug/L	97
55) Styrene	12.04	104	818922	60.041	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.57	83	257274	58.455	ug/L	99
59) Bromoform	12.20	173	201564	55.751	ug/L	99
60) Isopropylbenzene	12.32	105	1265113	54.488	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	223841	52.548	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	1075373	58.077	ug/L	100
63) 1,2,4-Trimethylbenzene	13.12	105	1081058	58.501	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	601597	53.716	ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	609669	53.563	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	558654	53.557	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.35	75	57067	59.132	ug/L	92
69) 1,3,5-Trichlorobenzene	14.50	180	469125	57.994	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	398587	57.726	ug/L	99
71) Naphthalene	15.23	128	855292	58.924	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	358454	56.916	ug/L	98

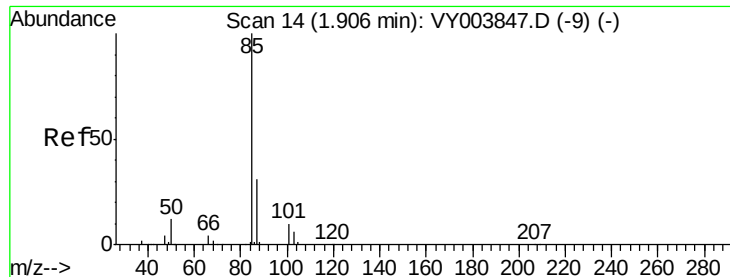
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 65.332 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003848.D

Acq: 29 Dec 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

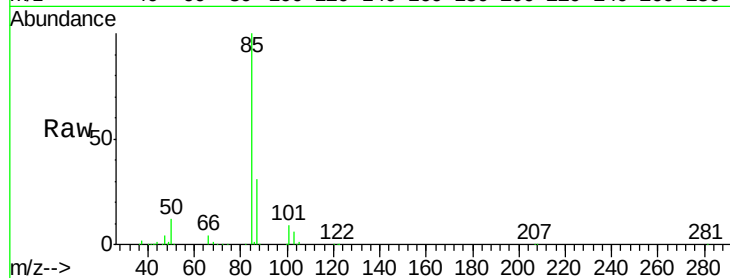
VSTD05034

Tgt Ion: 85 Resp: 249491

Ion Ratio Lower Upper

85 100

87 32.2 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

1.91

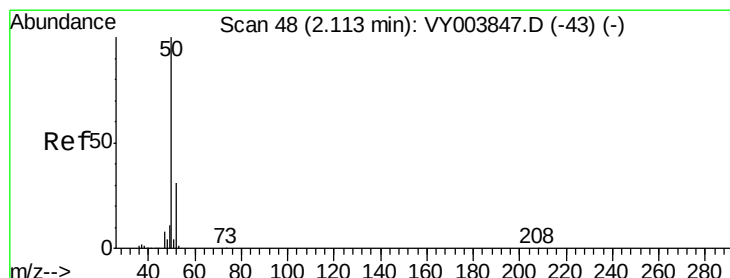
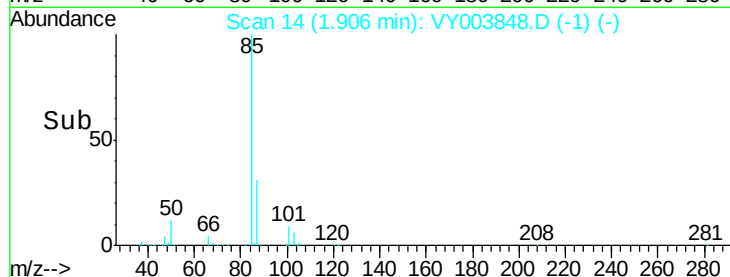
150000

100000

50000

0

Time--> 1.80 1.90 2.00



#3

Chloromethane

Concen: 64.672 ug/L

RT: 2.11 min Scan# 48

Delta R.T. -0.00 min

Lab File: VY003848.D

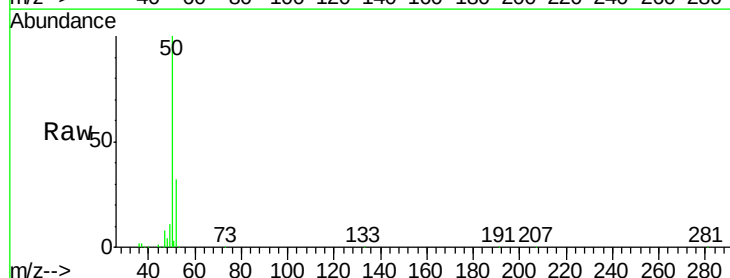
Acq: 29 Dec 2020 11:47

Tgt Ion: 50 Resp: 285551

Ion Ratio Lower Upper

50 100

52 32.4 22.0 41.0



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

2.11

200000

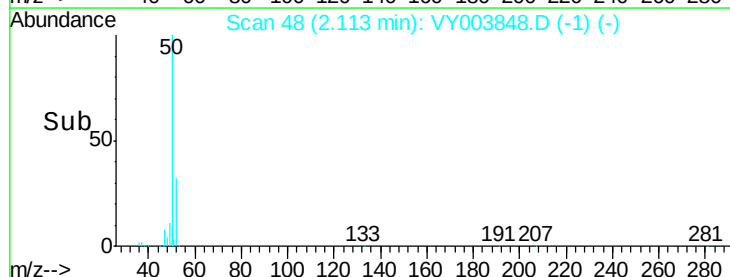
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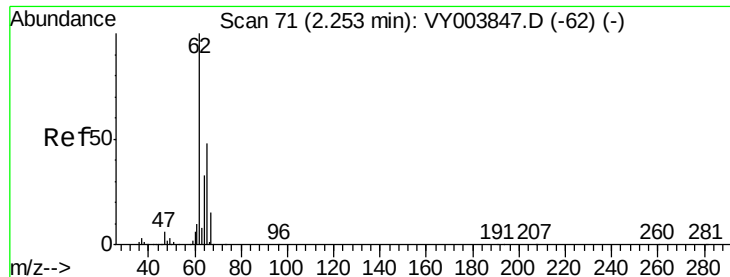
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50000

0

Time--> 2.10 2.20





#5

Vinyl chloride

Concen: 69.843 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.00 min

Lab File: VY003848.D

Acq: 29 Dec 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

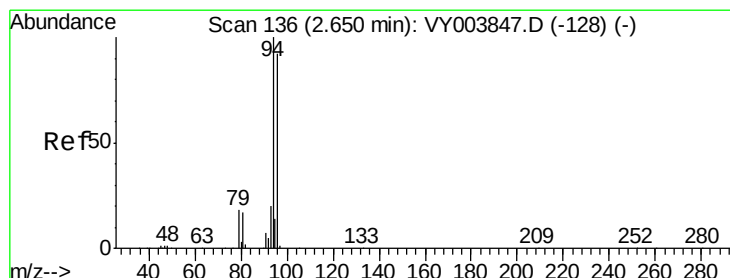
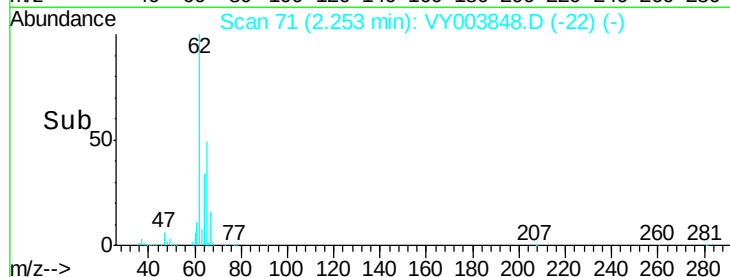
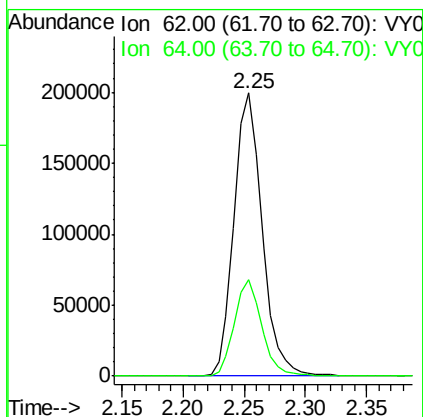
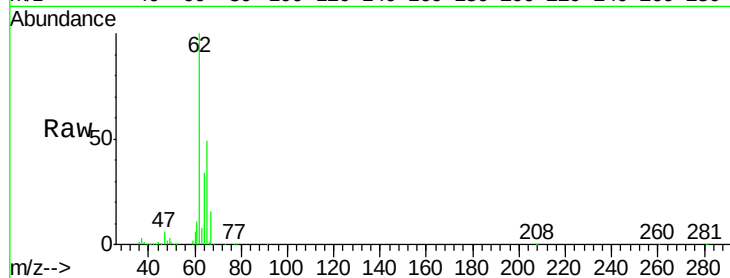
VSTD05034

Tgt Ion: 62 Resp: 318343

Ion Ratio Lower Upper

62 100

64 34.3 23.2 43.2



#6

Bromomethane

Concen: 72.138 ug/L

RT: 2.65 min Scan# 136

Delta R.T. -0.00 min

Lab File: VY003848.D

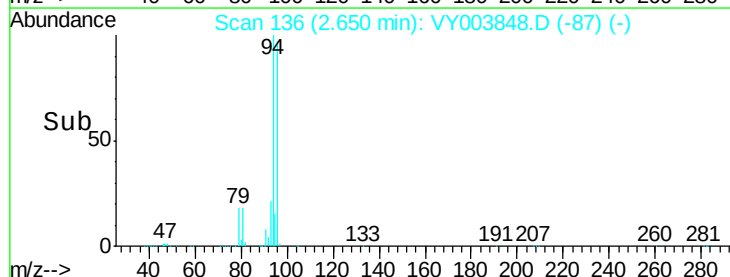
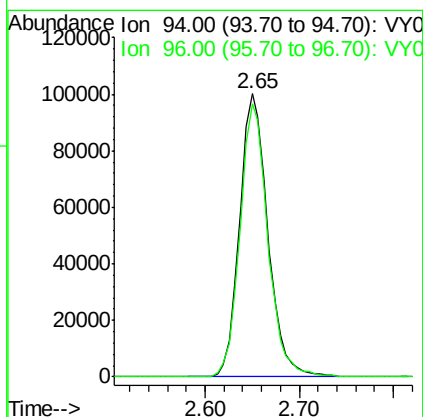
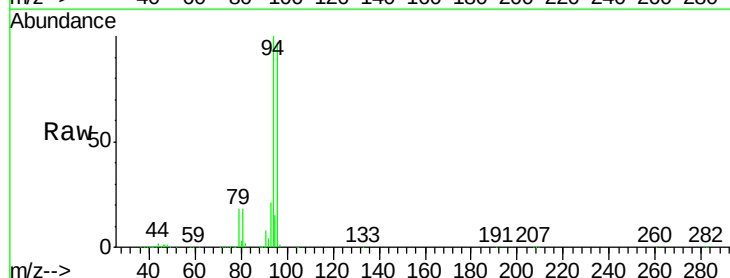
Acq: 29 Dec 2020 11:47

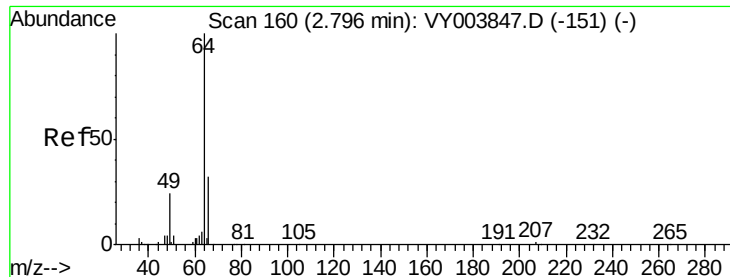
Tgt Ion: 94 Resp: 208923

Ion Ratio Lower Upper

94 100

96 96.7 64.3 119.3

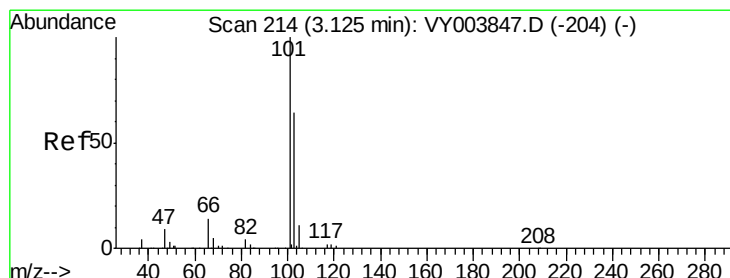
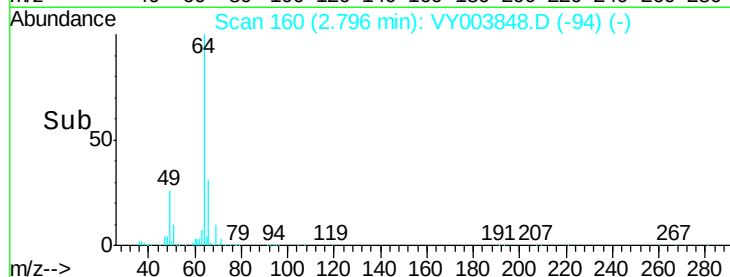
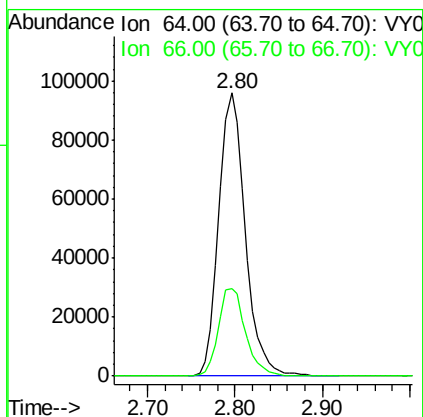
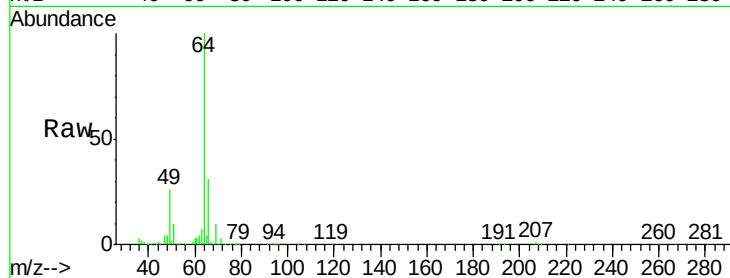




#8
Chloroethane
Concen: 71.160 ug/L
RT: 2.80 min Scan# 160
Delta R.T. -0.00 min
Lab File: VY003848.D
Acq: 29 Dec 2020 11:47

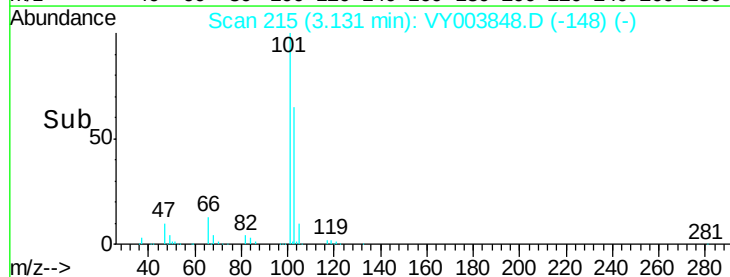
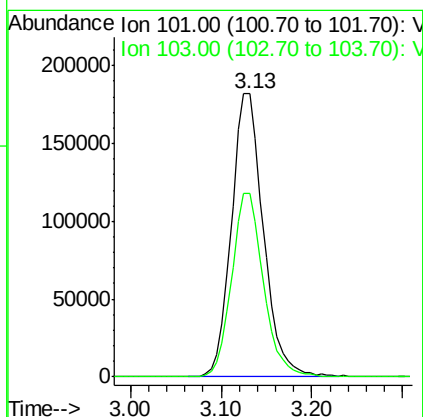
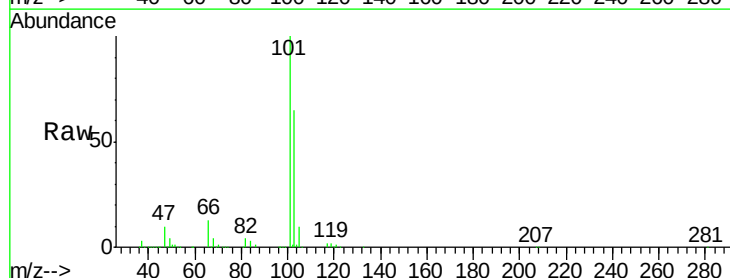
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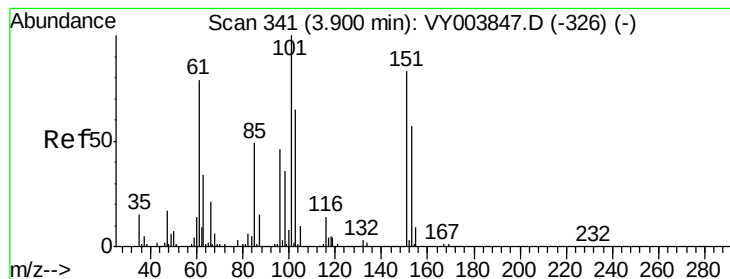
Tgt Ion: 64 Resp: 202280
Ion Ratio Lower Upper
64 100
66 31.1 22.5 41.7



#9
Trichlorofluoromethane
Concen: 64.937 ug/L
RT: 3.13 min Scan# 215
Delta R.T. 0.01 min
Lab File: VY003848.D
Acq: 29 Dec 2020 11:47

Tgt Ion: 101 Resp: 445068
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.0





#10

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

Concen: 55.035 ug/L

RT: 3.91 min Scan# 342

Delta R.T. 0.01 min

Lab File: VY003848.D

Acq: 29 Dec 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05034

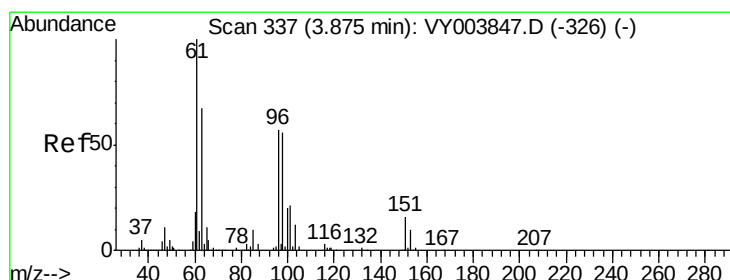
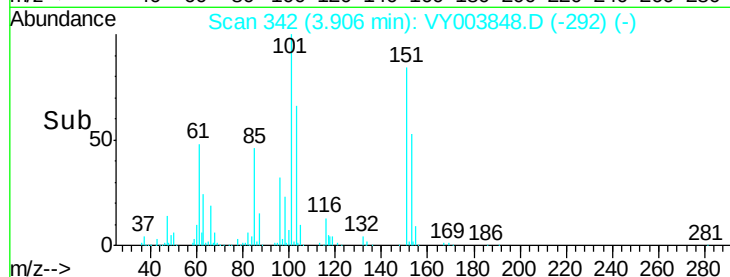
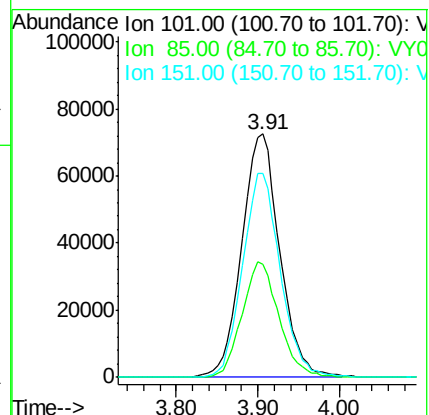
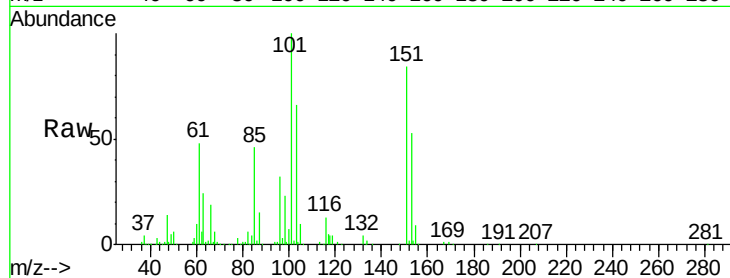
Tgt Ion: 101 Resp: 235185

Ion Ratio Lower Upper

101 100

85 45.9 37.1 55.7

151 82.9 66.4 99.6



#12

1,1-Dichloroethene

Concen: 54.855 ug/L

RT: 3.88 min Scan# 337

Delta R.T. -0.00 min

Lab File: VY003848.D

Acq: 29 Dec 2020 11:47

Tgt Ion: 96 Resp: 223226

Ion Ratio Lower Upper

96 100

61 181.1 123.8 230.0

63 123.0 85.3 158.3

