

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122920\
 Data File : VY003858.D
 Acq On : 29 Dec 2020 17:52
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025202

Quant Time: Dec 30 07:21:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 30 07:19:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	325105	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	305050	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	175151	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	114512	20.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.28%
7) Chloroethane-d5	2.76	69	94839	21.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.16%
11) 1,1-Dichloroethene-d2	3.86	63	215612	22.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.88%
21) 2-Butanone-d5	6.89	46	101390	48.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.94%
24) Chloroform-d	7.48	84	210228	23.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.64%
26) 1,2-Dichloroethane-d4	8.14	65	133023	23.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.04%
32) Benzene-d6	8.11	84	395139	23.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	9.12	67	119965	23.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.92%
41) Toluene-d8	10.18	98	376682	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.84%
43) trans-1,3-Dichloropropene-	10.43	79	66409	23.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.12%
47) 2-Hexanone-d5	10.78	63	77960	50.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.52%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	123835	25.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.72%
66) 1,2-Dichlorobenzene-d4	13.72	152	155035	24.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	123379	22.653	ug/L 98
3) Chloromethane	2.11	50	142208	23.316	ug/L 95
5) Vinyl chloride	2.25	62	159509	24.649	ug/L 99
6) Bromomethane	2.65	94	103301	26.110	ug/L 99
8) Chloroethane	2.80	64	99758	25.543	ug/L 97
9) Trichlorofluoromethane	3.13	101	223359	25.836	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	119999	26.434	ug/L 99
12) 1,1-Dichloroethene	3.88	96	113705	26.681	ug/L 98
13) Acetone	3.95	43	80863	51.827	ug/L 98
14) Carbon disulfide	4.20	76	379390	26.451	ug/L 100
15) Methyl Acetate	4.48	43	95581	26.625	ug/L 99
16) Methylene chloride	4.72	84	129287	24.795	ug/L 96
17) trans-1,2-Dichloroethene	5.22	96	123335	26.450	ug/L 98
18) Methyl tert-butyl Ether	5.23	73	362750	26.337	ug/L 100
19) 1,1-Dichloroethane	6.02	63	225903	26.813	ug/L 99
20) cis-1,2-Dichloroethene	6.98	96	135537	26.883	ug/L 93
22) 2-Butanone	6.99	43	129343	53.486	ug/L 99

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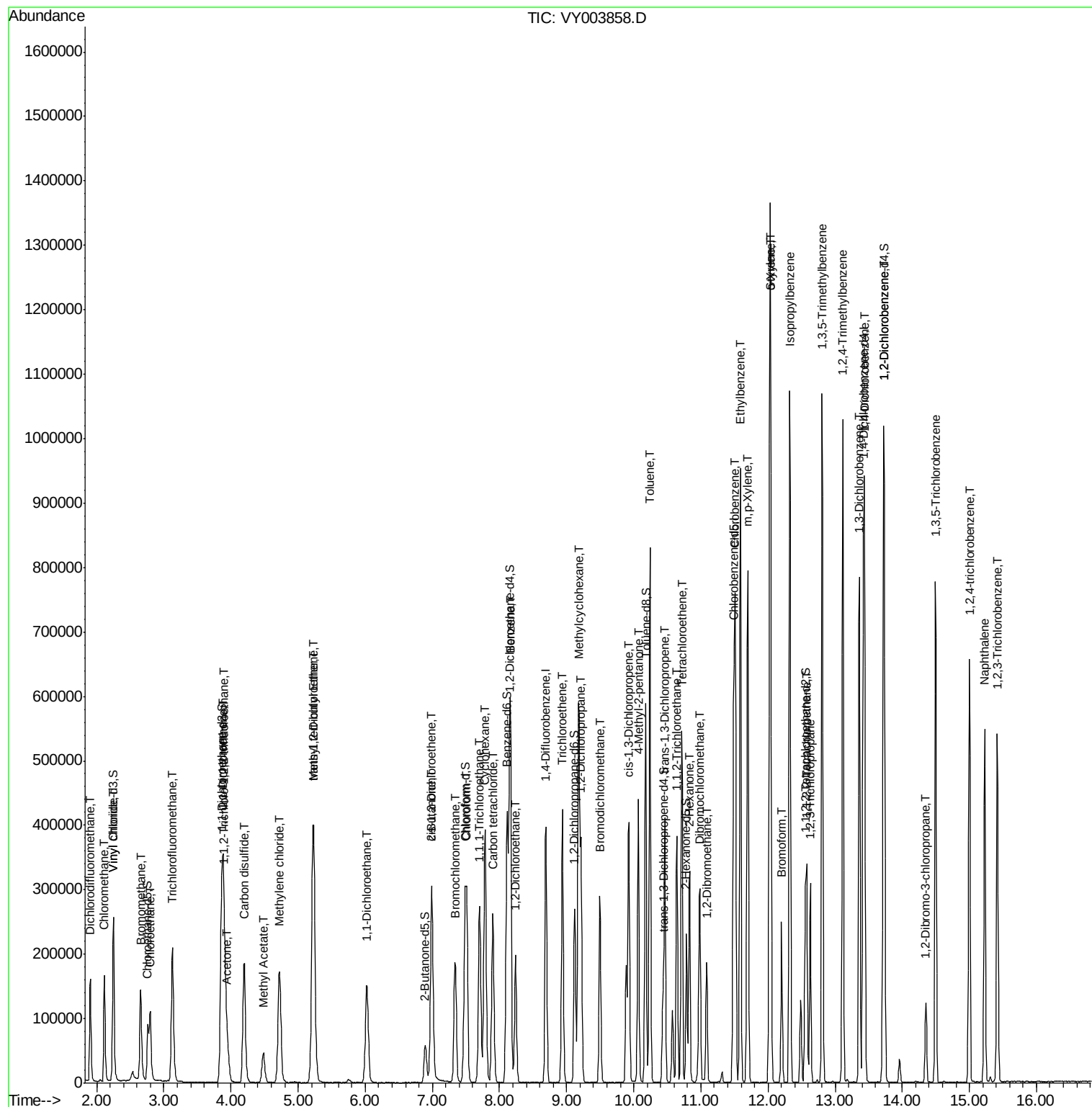
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	68926	27.647	ug/L	92
25) Chloroform	7.51	83	236817	26.813	ug/L	100
27) 1,2-Dichloroethane	8.24	62	182798	26.632	ug/L	98
29) Cyclohexane	7.78	56	217103	27.157	ug/L	99
30) 1,1,1-Trichloroethane	7.70	97	220673	26.876	ug/L	100
31) Carbon tetrachloride	7.90	117	202228	26.633	ug/L	98
33) Benzene	8.16	78	507212	27.201	ug/L	100
34) Trichloroethene	8.94	95	137517	26.685	ug/L	98
35) Methylcyclohexane	9.18	83	231954	27.658	ug/L	99
37) 1,2-Dichloropropane	9.22	63	129857	27.354	ug/L	100
38) Bromodichloromethane	9.50	83	183203	27.391	ug/L	98
39) cis-1,3-Dichloropropene	9.93	75	218884	26.990	ug/L	93
40) 4-Methyl-2-pentanone	10.07	43	280866	55.419	ug/L	100
42) Toluene	10.24	91	564807	27.382	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	212020	27.082	ug/L	100
45) 1,1,2-Trichloroethane	10.64	97	111039	27.233	ug/L	97
46) Tetrachloroethene	10.72	164	119365	26.778	ug/L	99
48) 2-Hexanone	10.83	43	206654	55.964	ug/L	99
49) Dibromochloromethane	10.98	129	143013	27.704	ug/L	96
50) 1,2-Dibromoethane	11.09	107	110877	27.539	ug/L	100
51) Chlorobenzene	11.51	112	362497	27.174	ug/L	98
52) Ethylbenzene	11.59	91	637004	27.569	ug/L	100
53) m,p-Xylene	11.70	106	241083	27.513	ug/L	98
54) o-Xylene	12.03	106	234078	27.435	ug/L	100
55) Styrene	12.04	104	411669	27.901	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.57	83	134159	27.803	ug/L	99
59) Bromoform	12.20	173	103542	27.391	ug/L	100
60) Isopropylbenzene	12.32	105	634880	27.418	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	115733	26.905	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	534326	27.782	ug/L	100
63) 1,2,4-Trimethylbenzene	13.11	105	543232	27.880	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	304807	27.174	ug/L	99
65) 1,4-Dichlorobenzene	13.44	146	309867	27.281	ug/L	100
67) 1,2-Dichlorobenzene	13.73	146	286717	27.296	ug/L	100
68) 1,2-Dibromo-3-chloropropan	14.35	75	29364	27.463	ug/L	96
69) 1,3,5-Trichlorobenzene	14.50	180	236860	27.087	ug/L	100
70) 1,2,4-trichlorobenzene	15.00	180	199634	26.926	ug/L	99
71) Naphthalene	15.23	128	425887	27.516	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	180439	27.552	ug/L	97

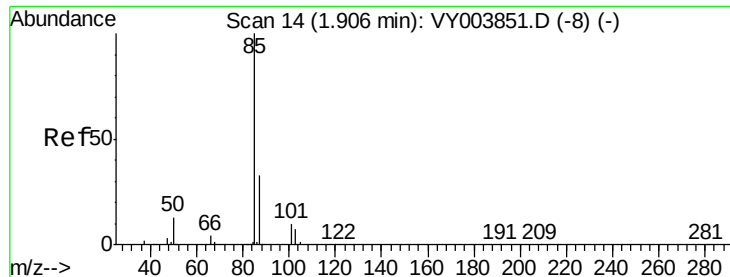
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.653 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

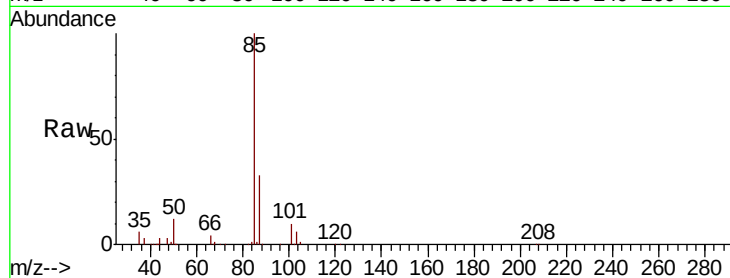
VSTD025202

Tot Ion: 85 Resp: 123379

Ion Ratio Lower Upper

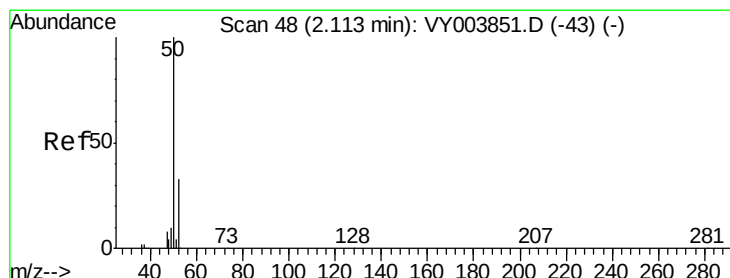
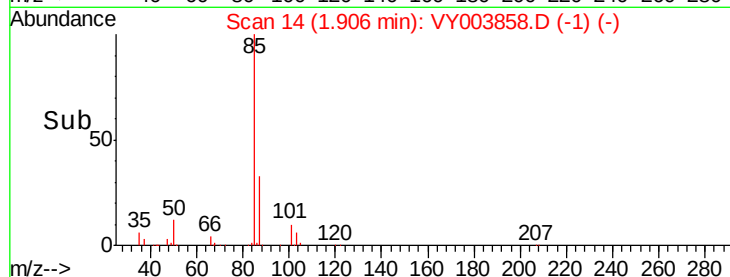
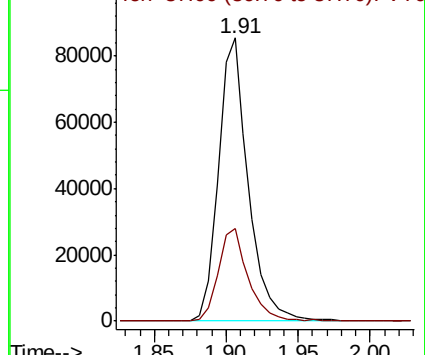
85 100

87 33.0 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 23.316 ug/L

RT: 2.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VY003858.D

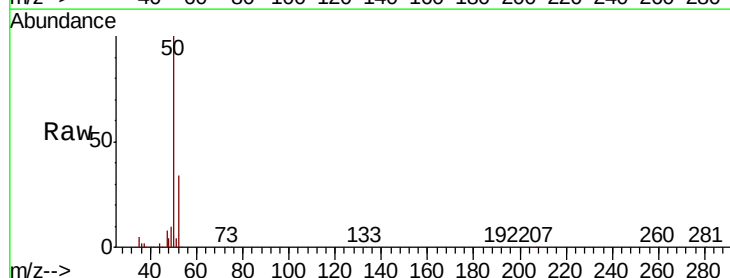
Acq: 29 Dec 2020 17:52

Tgt Ion: 50 Resp: 142208

Ion Ratio Lower Upper

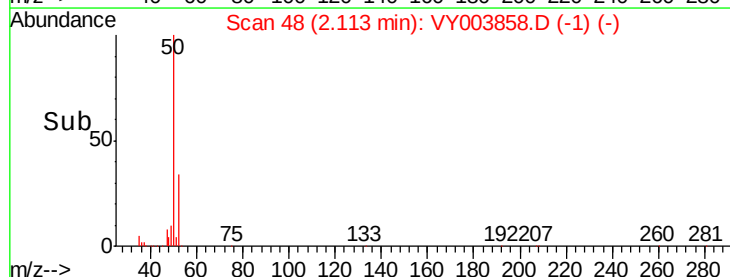
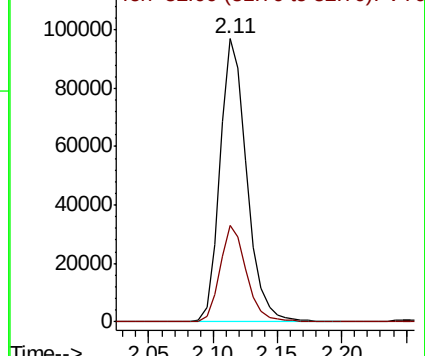
50 100

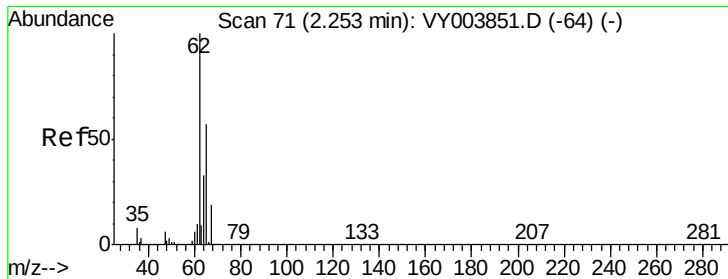
52 34.1 22.0 41.0



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 24.649 ug/L

RT: 2.25 min Scan# 71

Delta R.T. 0.00 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

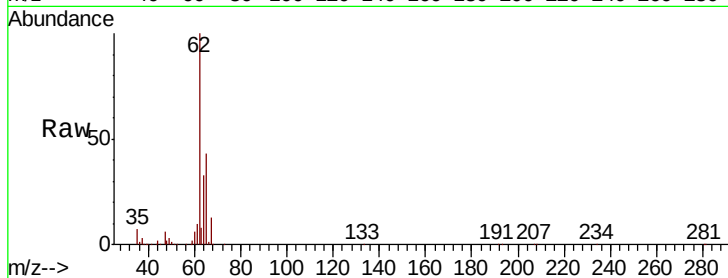
VSTD025202

Tot Ion: 62 Resp: 159509

Ion Ratio Lower Upper

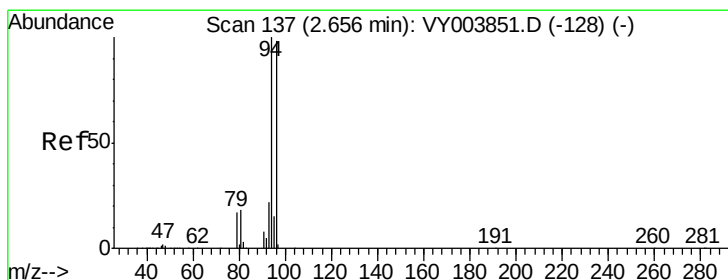
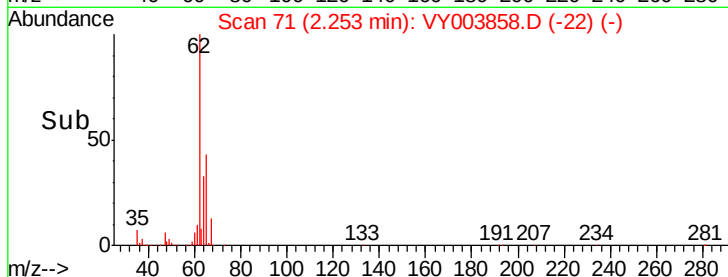
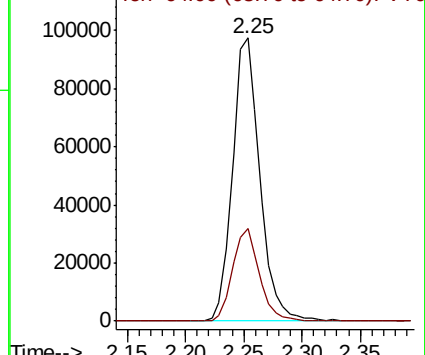
62 100

64 32.6 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: 26.110 ug/L

RT: 2.65 min Scan# 136

Delta R.T. -0.01 min

Lab File: VY003858.D

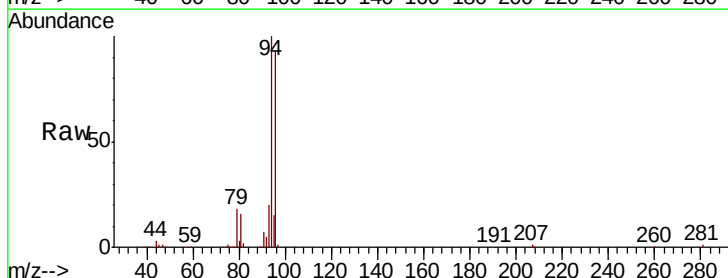
Acq: 29 Dec 2020 17:52

Tgt Ion: 94 Resp: 103301

Ion Ratio Lower Upper

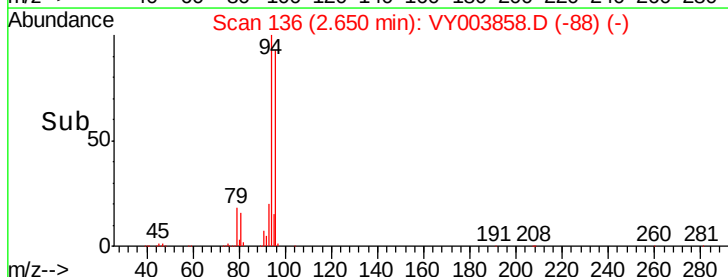
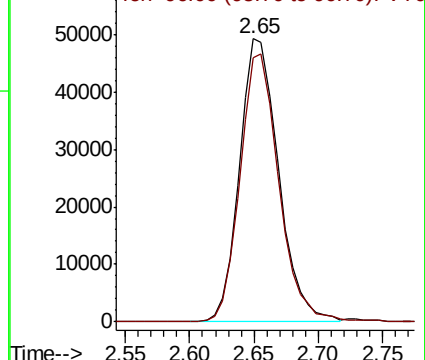
94 100

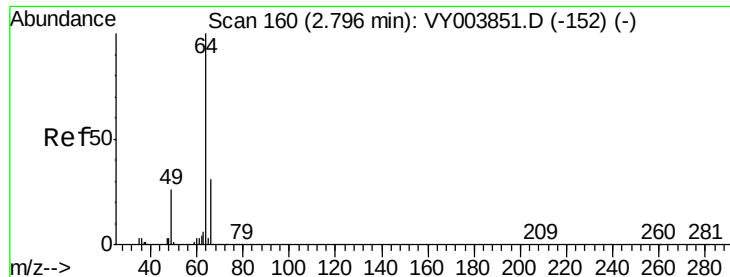
96 93.2 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

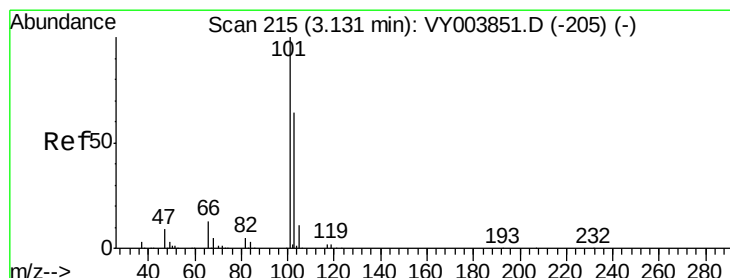
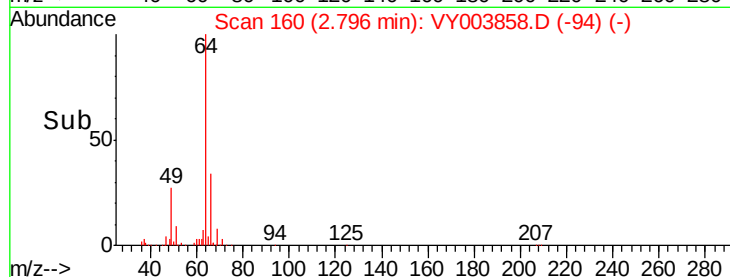
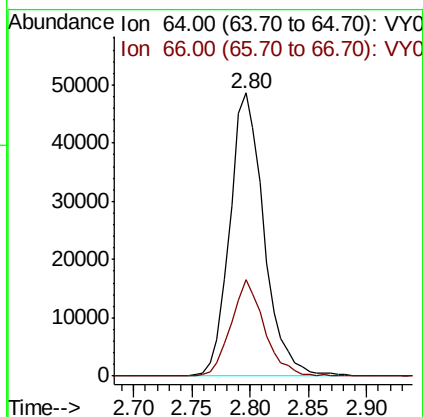
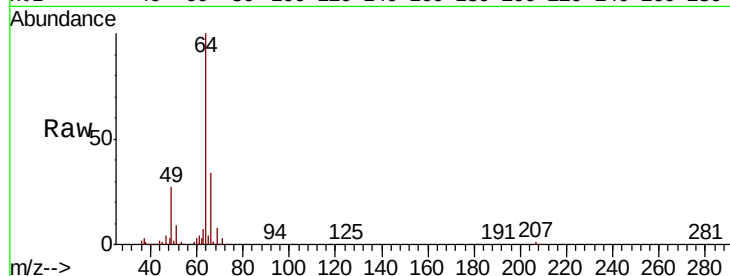




#8
Chloroethane
Concen: 25.543 ug/L
RT: 2.80 min Scan# 160
Delta R.T. 0.00 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52

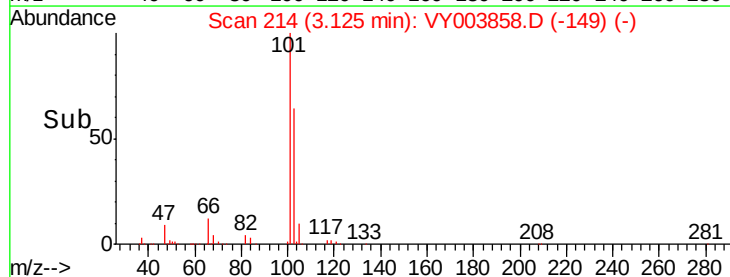
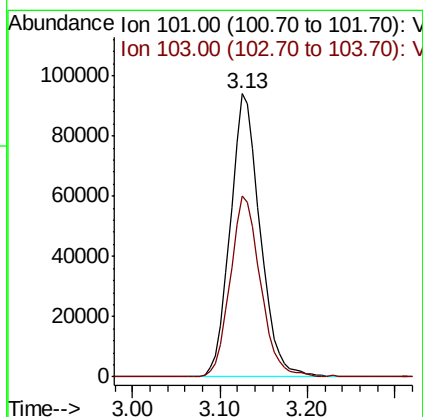
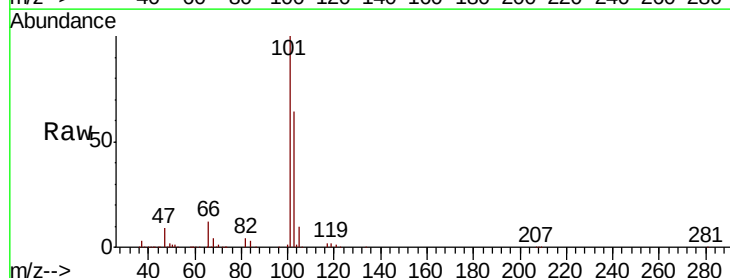
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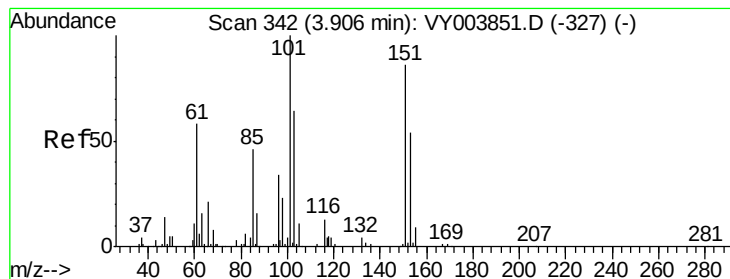
Tot Ion: 64 Resp: 99758
Ion Ratio Lower Upper
64 100
66 34.0 22.5 41.7



#9
Trichlorofluoromethane
Concen: 25.836 ug/L
RT: 3.13 min Scan# 214
Delta R.T. -0.01 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52

Tgt Ion: 101 Resp: 223359
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.0





#10

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

Concen: 26.434 ug/L

RT: 3.91 min Scan# 342

Delta R.T. 0.00 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025202

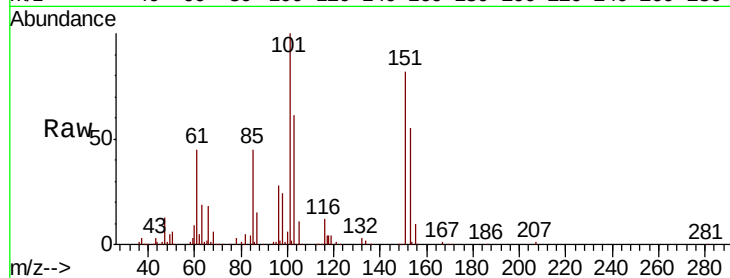
Tot Ion:101 Resp: 119999

Ion Ratio Lower Upper

101 100

85 45.5 37.1 55.7

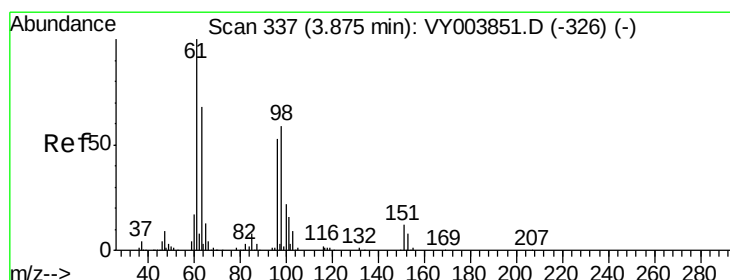
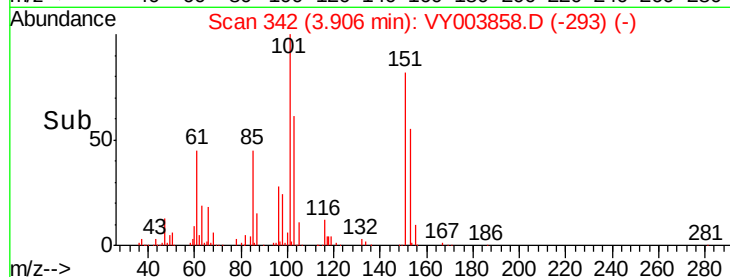
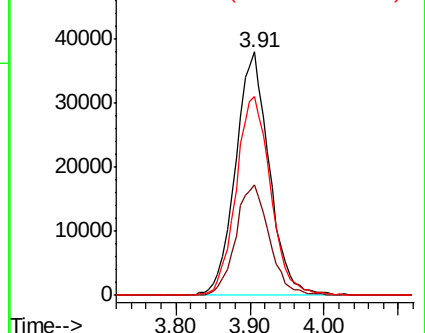
151 84.0 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): VY003858.D (-293) (-)

Ion 85.00 (84.70 to 85.70): VY003858.D (-293) (-)

Ion 151.00 (150.70 to 151.70): VY003858.D (-293) (-)



#12

1,1-Dichloroethene

Concen: 26.681 ug/L

RT: 3.88 min Scan# 337

Delta R.T. 0.00 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

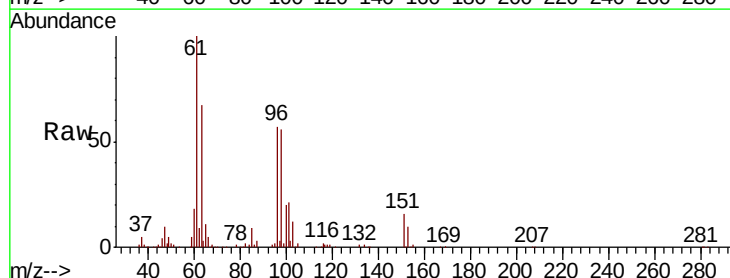
Tgt Ion: 96 Resp: 113705

Ion Ratio Lower Upper

96 100

61 175.0 123.8 230.0

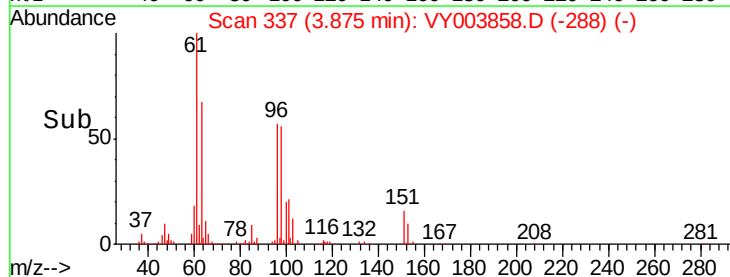
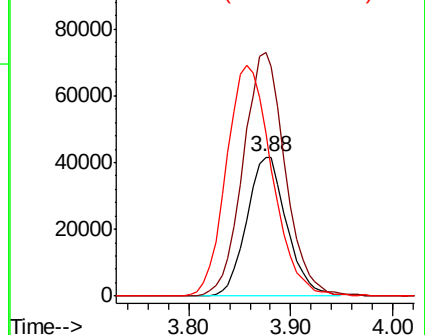
63 117.3 85.3 158.3

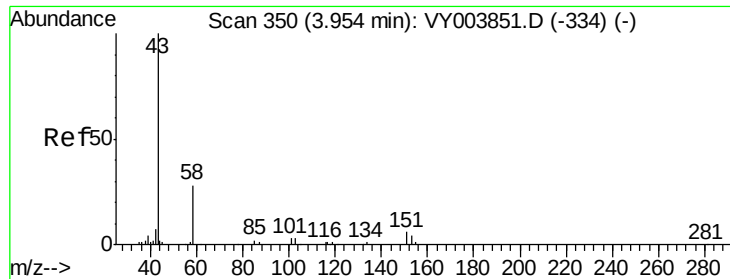


Abundance Ion 96.00 (95.70 to 96.70): VY003858.D (-288) (-)

Ion 61.00 (60.70 to 61.70): VY003858.D (-288) (-)

Ion 63.00 (62.70 to 63.70): VY003858.D (-288) (-)

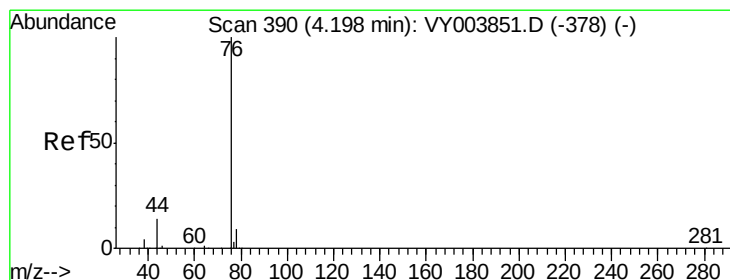
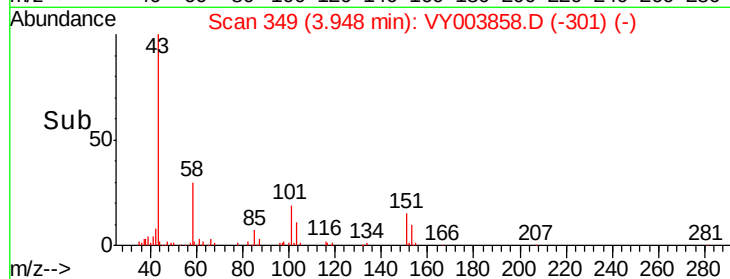
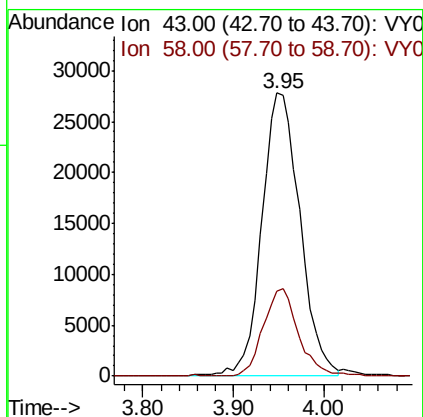
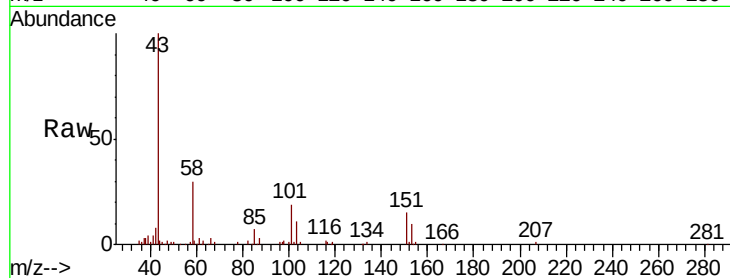




#13
Acetone
Concen: 51.827 ug/L
RT: 3.95 min Scan# 349
Delta R.T. -0.01 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52

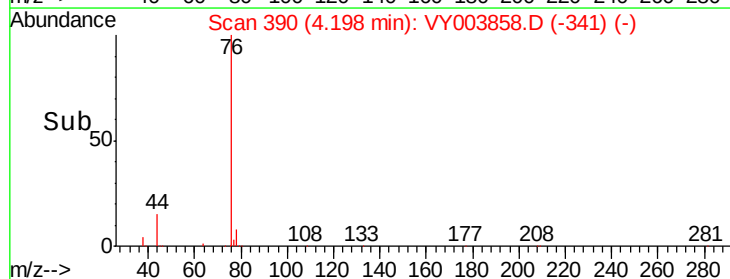
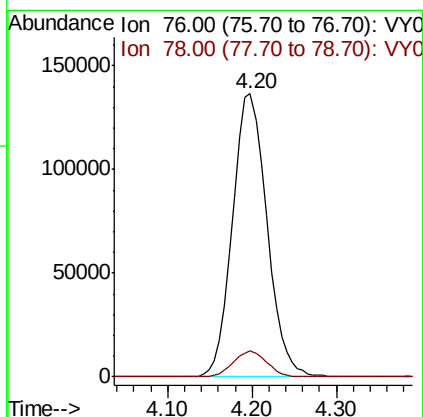
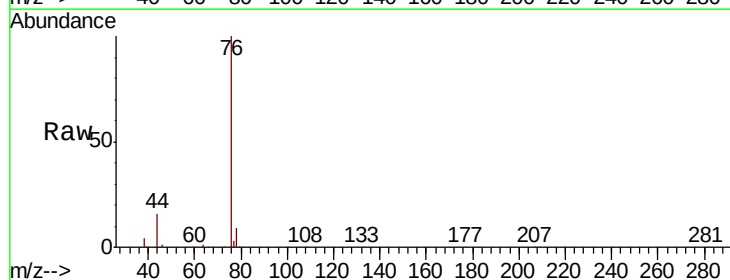
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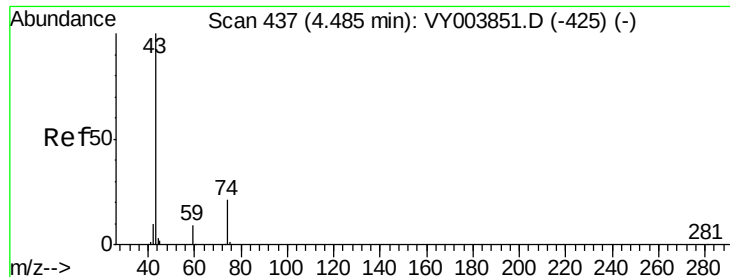
Tot Ion: 43 Resp: 80863
Ion Ratio Lower Upper
43 100
58 28.1 0.0 58.4



#14
Carbon disulfide
Concen: 26.451 ug/L
RT: 4.20 min Scan# 390
Delta R.T. 0.00 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52

Tgt Ion: 76 Resp: 379390
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

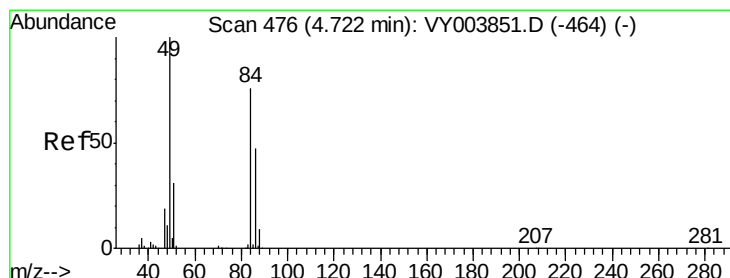
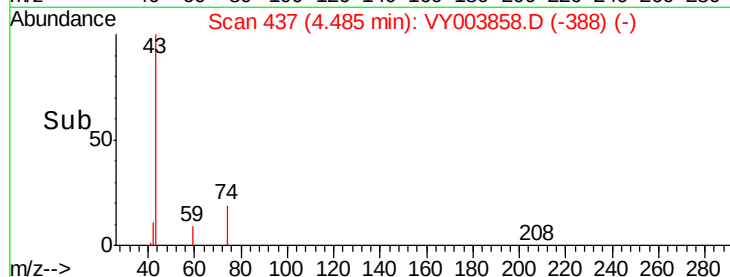
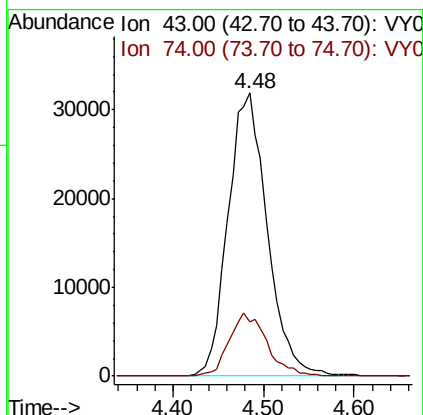
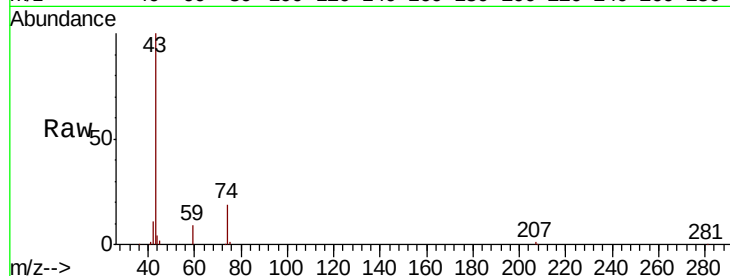




#15
Methvl Acetate
Concen: 26.625 ug/L
RT: 4.48 min Scan# 437
Delta R.T. 0.00 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52

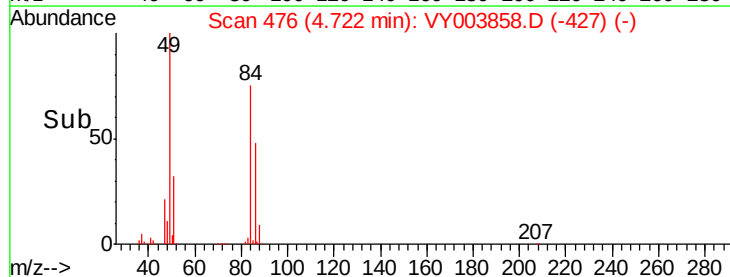
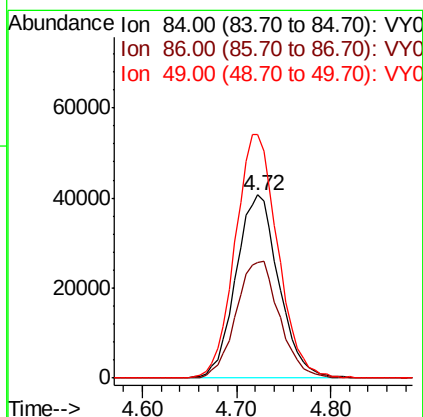
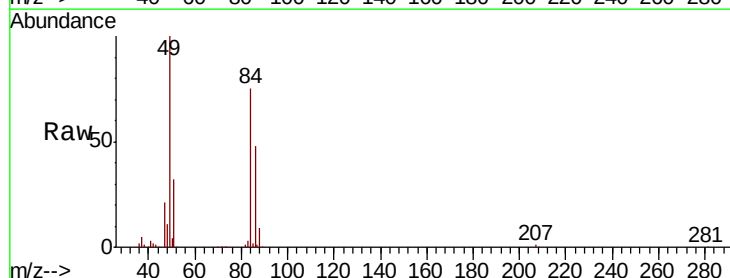
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025202

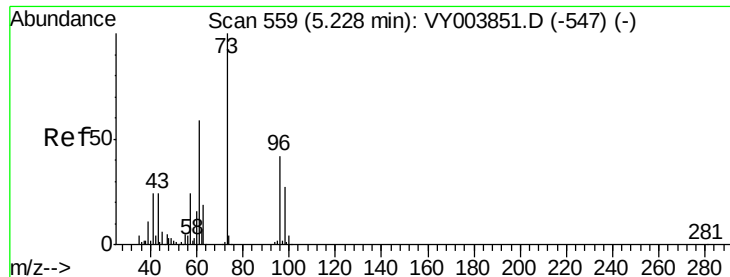
Tot Ion: 43 Resp: 95581
Ion Ratio Lower Upper
43 100
74 21.4 17.4 26.2



#16
Methylene chloride
Concen: 24.795 ug/L
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52

Tgt Ion: 84 Resp: 129287
Ion Ratio Lower Upper
84 100
86 63.5 42.1 78.3
49 133.2 90.3 167.7





#17

trans-1,2-Dichloroethene

Concen: 26.450 ug/L

RT: 5.22 min Scan# 558

Delta R.T. -0.01 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025202

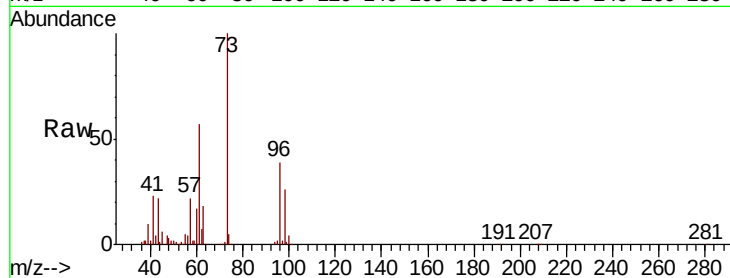
Tot Ion: 96 Resp: 123335

Ion Ratio Lower Upper

96 100

61 143.6 101.7 188.9

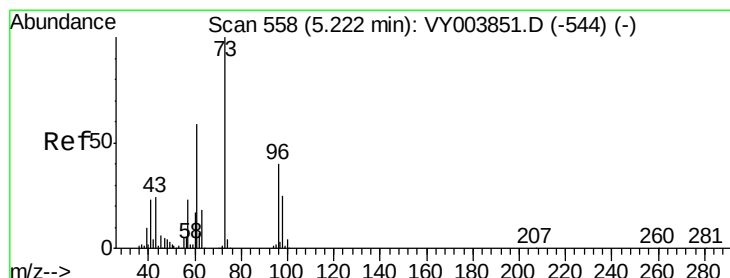
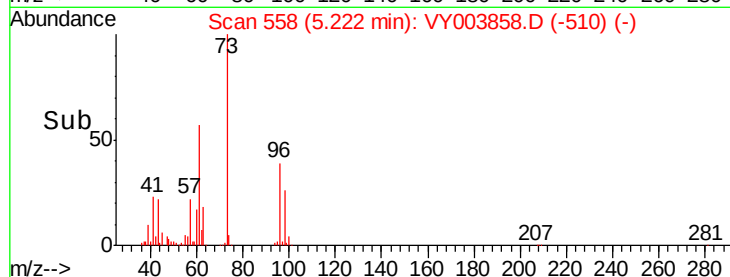
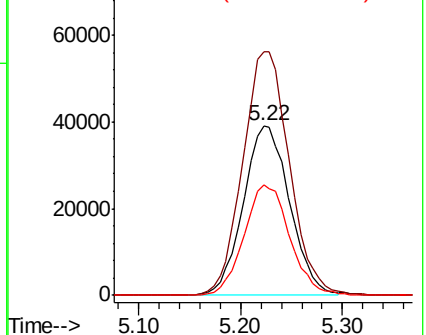
98 64.8 44.3 82.3



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



#18

Methyl tert-butyl Ether

Concen: 26.337 ug/L

RT: 5.23 min Scan# 559

Delta R.T. 0.01 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

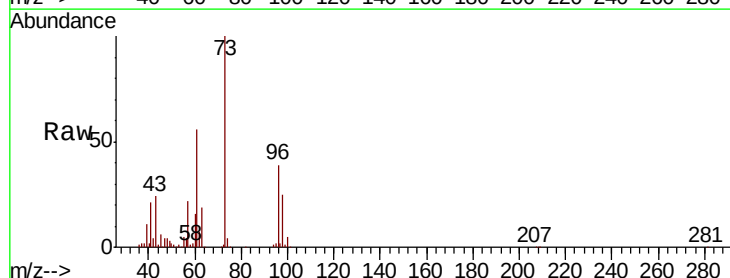
Tgt Ion: 73 Resp: 362750

Ion Ratio Lower Upper

73 100

43 22.9 18.4 27.6

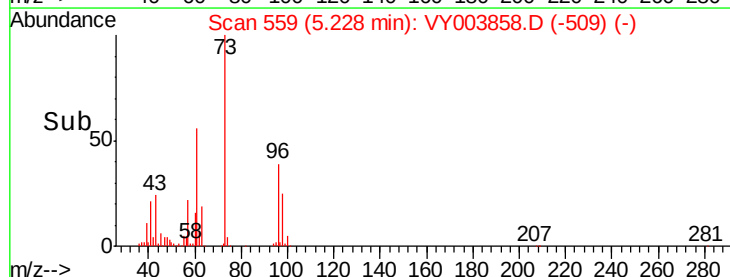
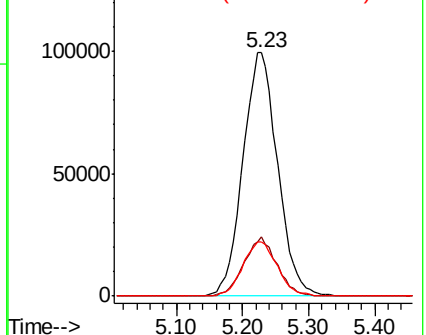
57 22.2 17.6 26.4

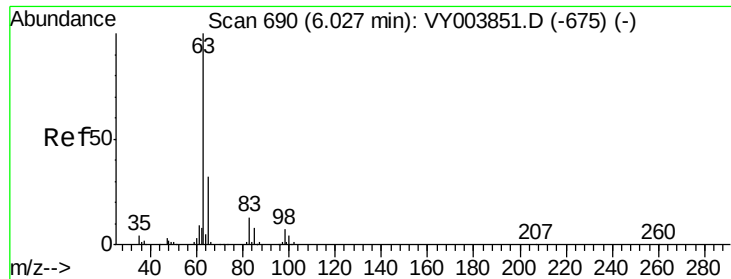


Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

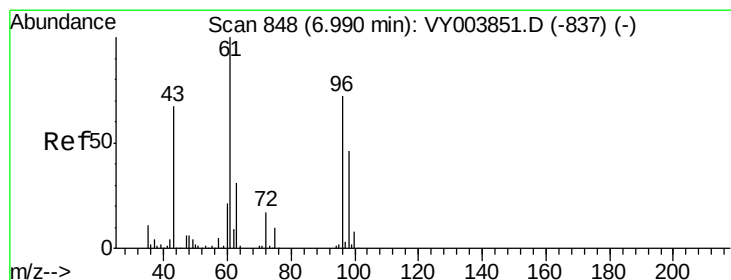
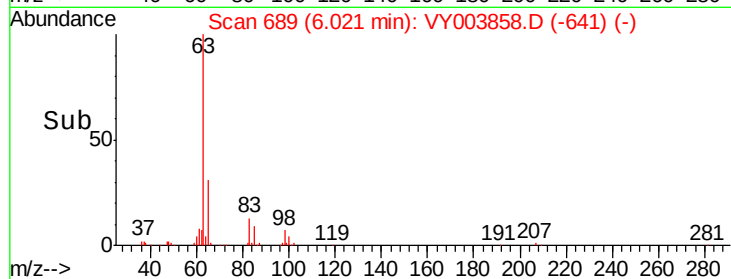
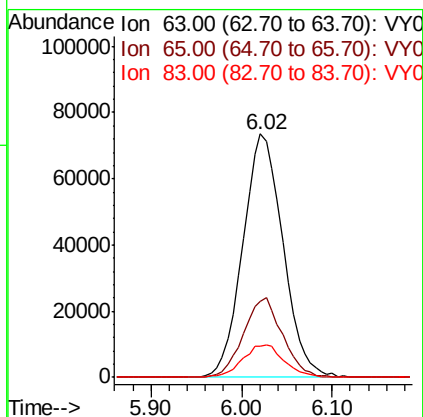
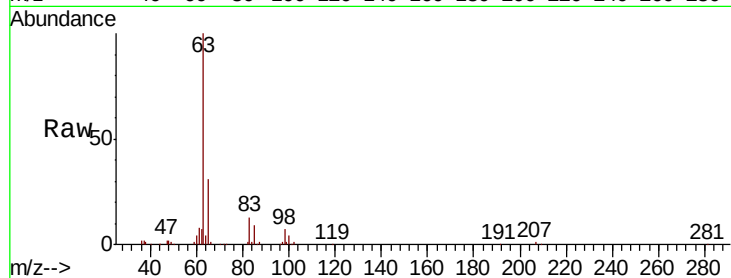




#19
 1,1-Dichloroethane
 Concen: 26.813 ug/L
 RT: 6.02 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VY003858.D
 Acq: 29 Dec 2020 17:52

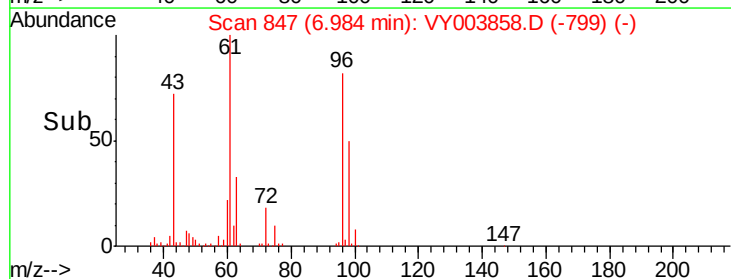
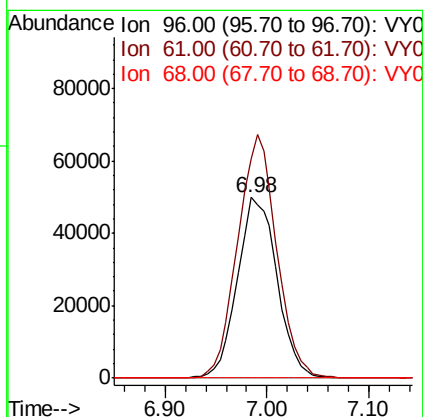
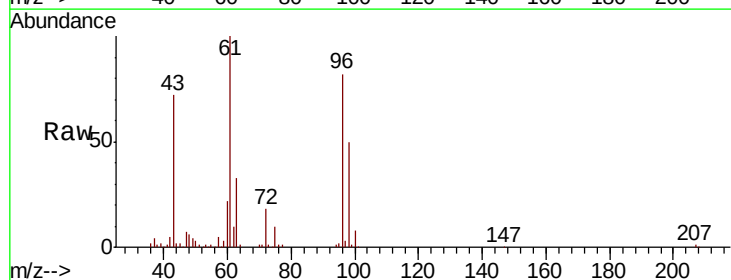
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025202

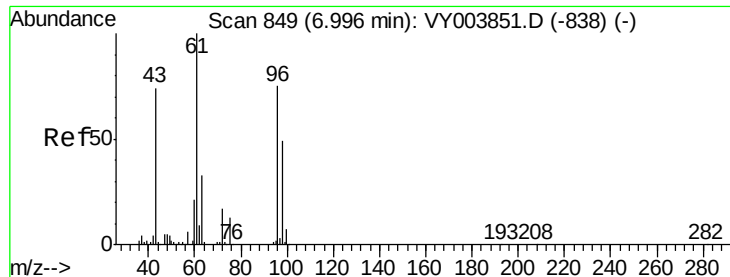
Tot Ion: 63 Resp: 225903
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.9 40.7
 83 12.8 8.7 16.1



#20
 cis-1,2-Dichloroethene
 Concen: 26.883 ug/L
 RT: 6.98 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VY003858.D
 Acq: 29 Dec 2020 17:52

Tgt Ion: 96 Resp: 135537
 Ion Ratio Lower Upper
 96 100
 61 121.3 90.6 168.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 53.486 ug/L

RT: 6.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

Instrument :

MSVOA_Y

ClientSampled :

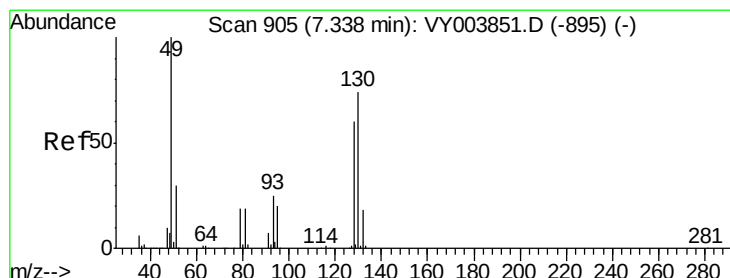
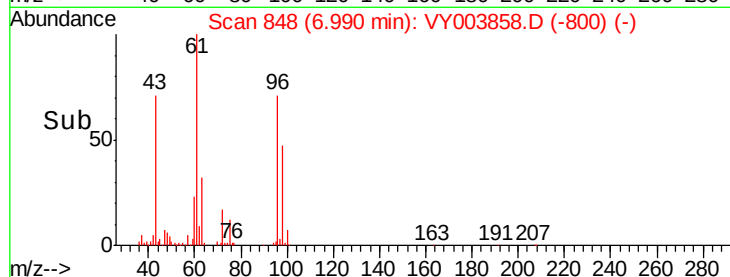
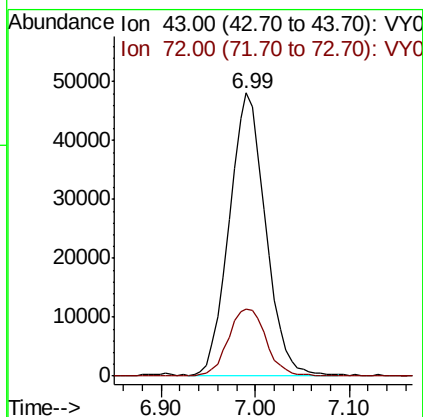
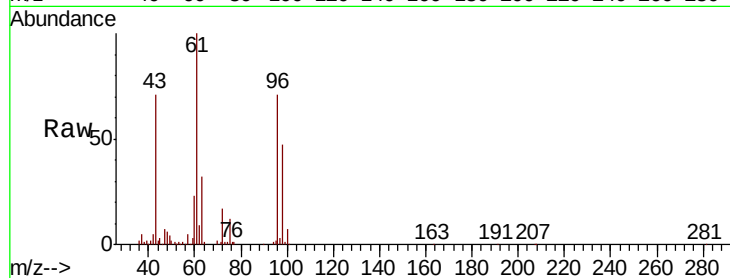
VSTD025202

Tot Ion: 43 Resp: 129343

Ion Ratio Lower Upper

43 100

72 24.8 12.6 37.8



#23

Bromochloromethane

Concen: 27.647 ug/L

RT: 7.34 min Scan# 906

Delta R.T. 0.01 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

Tgt Ion: 128 Resp: 68926

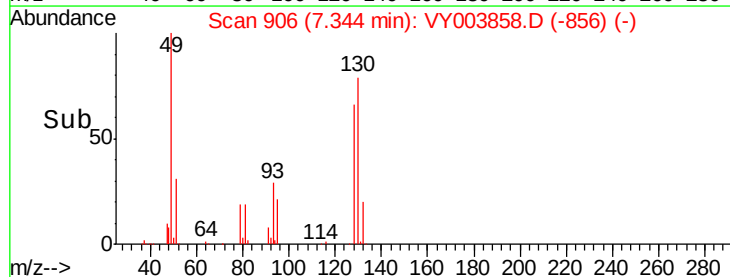
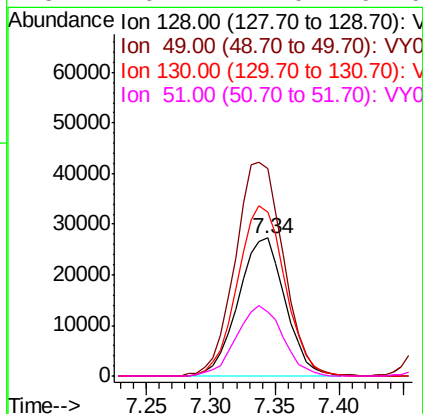
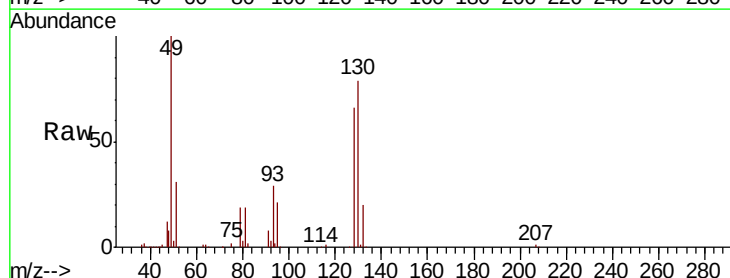
Ion Ratio Lower Upper

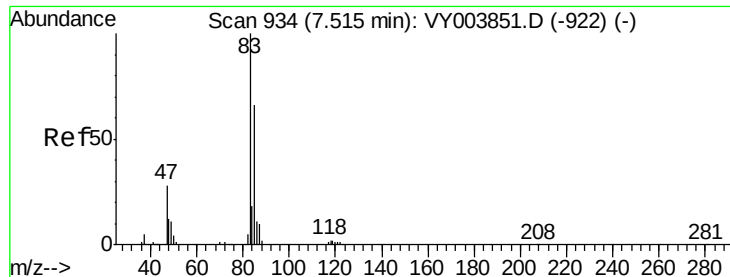
128 100

49 150.8 114.4 212.4

130 118.8 88.8 164.8

51 46.7 41.0 61.6





#25

Chloroform

Concen: 26.813 ug/L

RT: 7.51 min Scan# 933

Delta R.T. -0.01 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

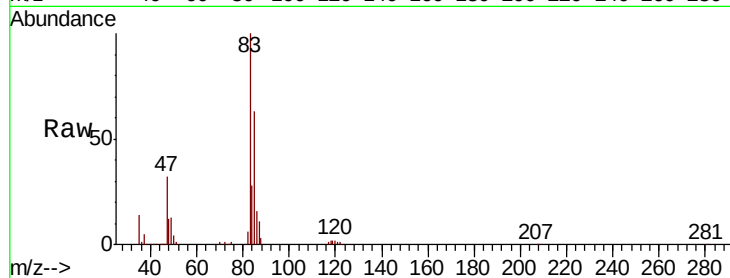
VSTD025202

Tot Ion: 83 Resp: 236817

Ion Ratio Lower Upper

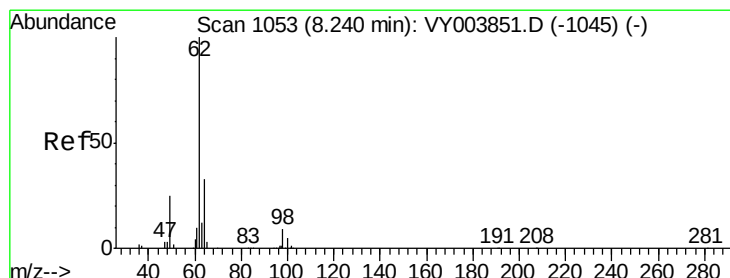
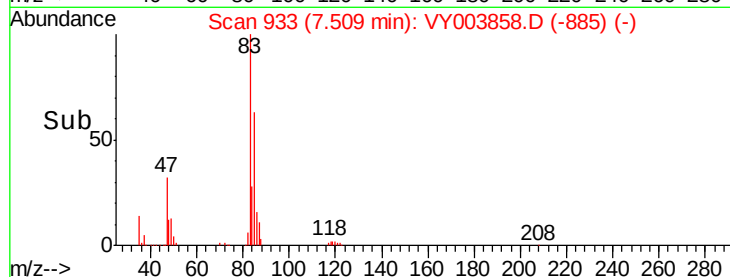
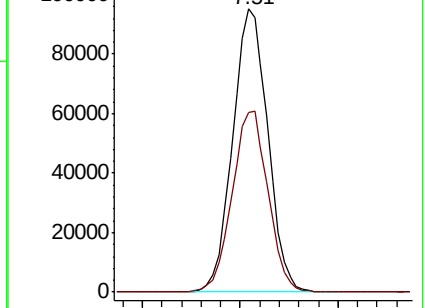
83 100

85 63.4 44.2 82.2



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 26.632 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VY003858.D

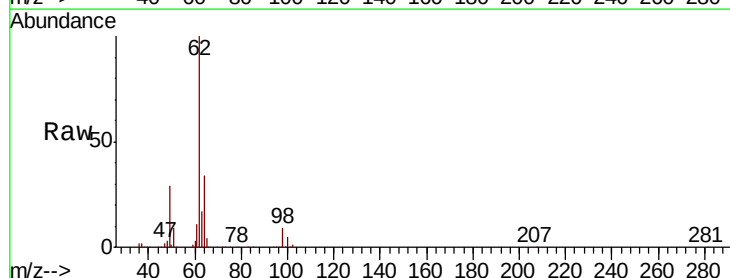
Acq: 29 Dec 2020 17:52

Tgt Ion: 62 Resp: 182798

Ion Ratio Lower Upper

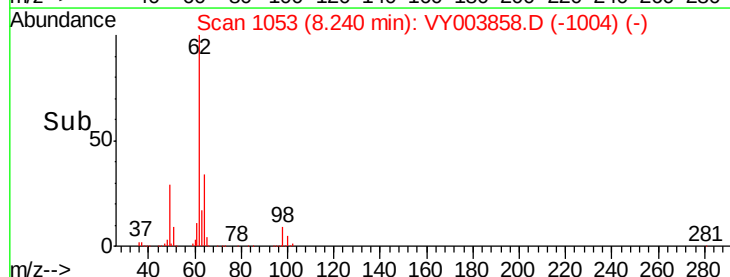
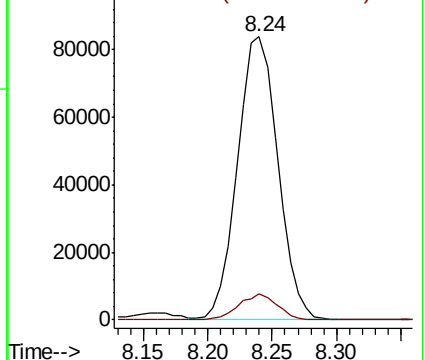
62 100

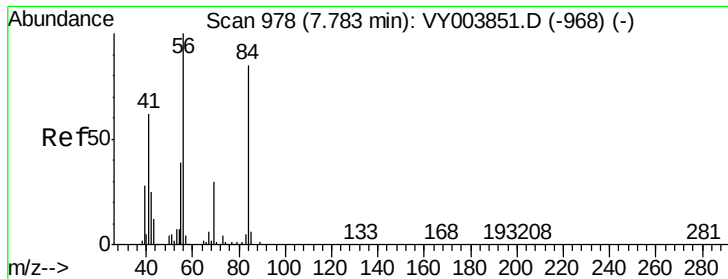
98 9.3 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

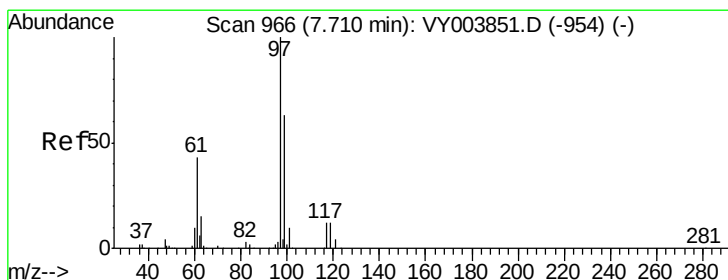
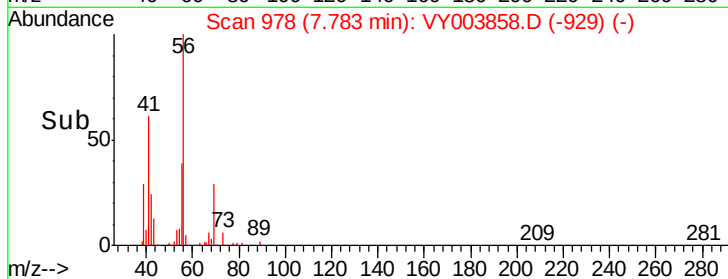
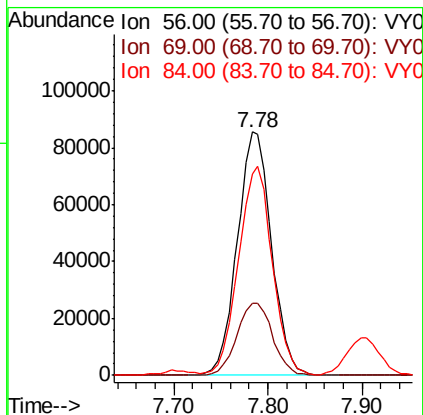
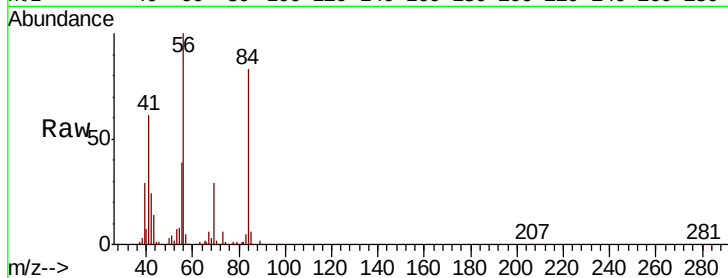




#29
Cyclohexane
Concen: 27.157 ug/L
RT: 7.78 min Scan# 978
Delta R.T. 0.00 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52

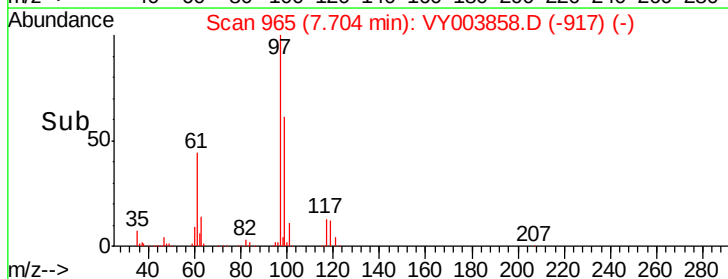
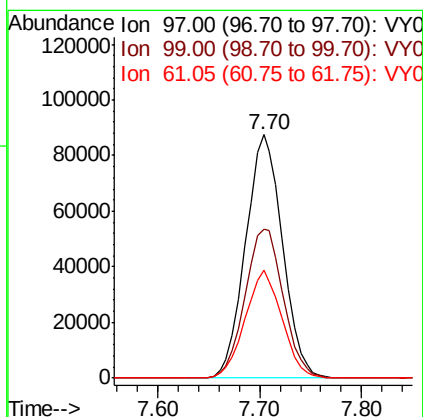
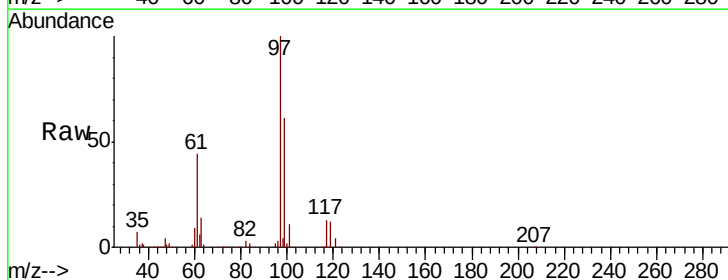
Instrument :
MSVOA_Y
ClientSampled :
VSTD025202

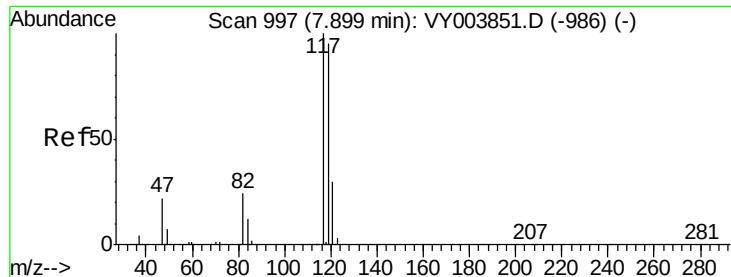
Tot Ion: 56 Resp: 217103
Ion Ratio Lower Upper
56 100
69 30.7 24.2 36.2
84 85.1 68.7 103.1



#30
1,1,1-Trichloroethane
Concen: 26.876 ug/L
RT: 7.70 min Scan# 965
Delta R.T. -0.01 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52

Tgt Ion: 97 Resp: 220673
Ion Ratio Lower Upper
97 100
99 63.3 50.5 75.7
61 44.0 35.5 53.3

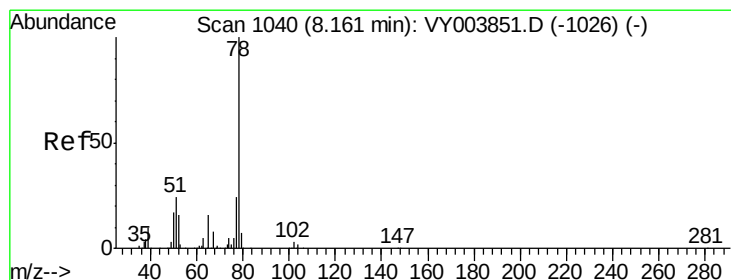
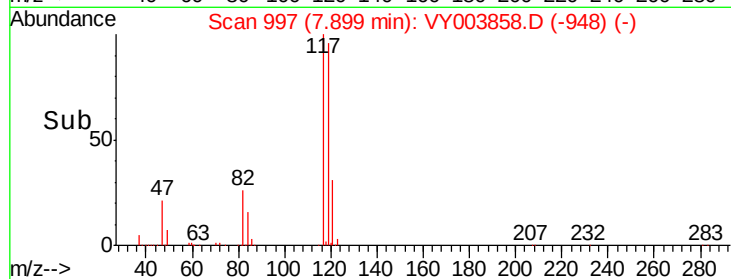
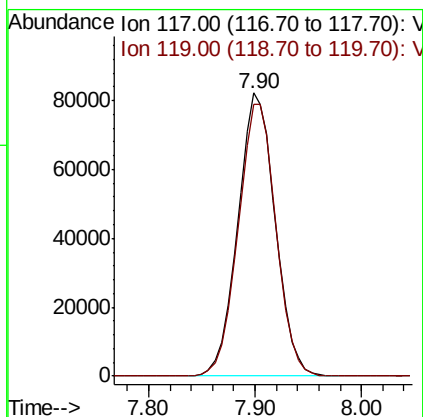
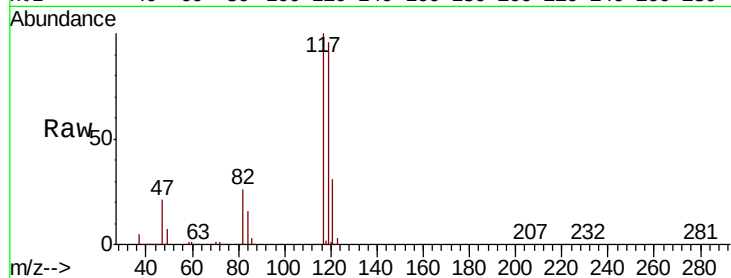




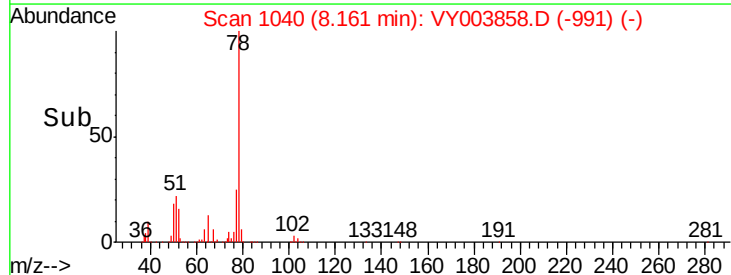
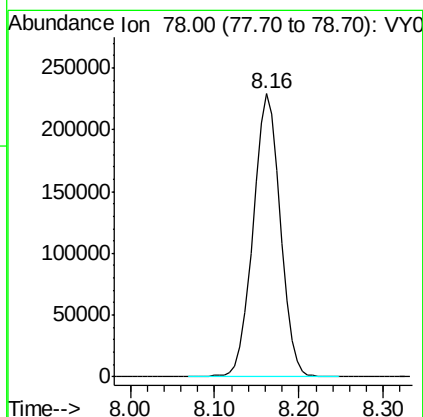
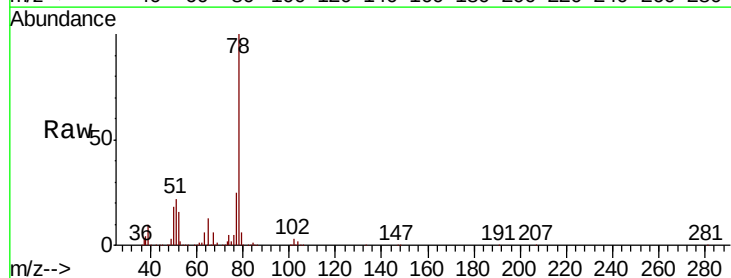
#31
Carbon tetrachloride
Concen: 26.633 ug/L
RT: 7.90 min Scan# 997
Delta R.T. 0.00 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52

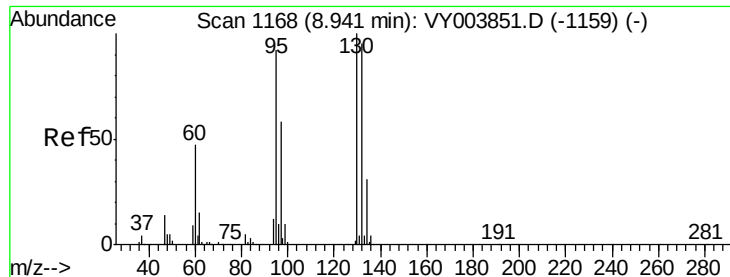
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025202

Tot Ion:117 Resp: 202228
Ion Ratio Lower Upper
117 100
119 97.1 76.2 114.4



#33
Benzene
Concen: 27.201 ug/L
RT: 8.16 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52
Tgt Ion: 78 Resp: 507212

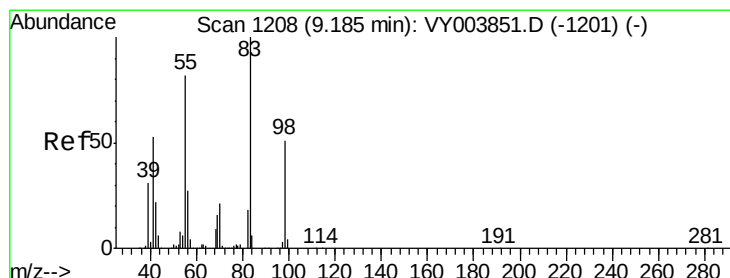
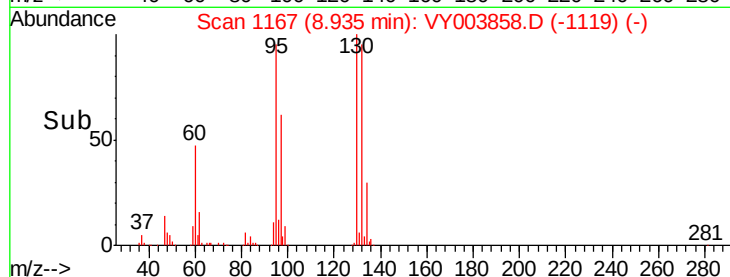
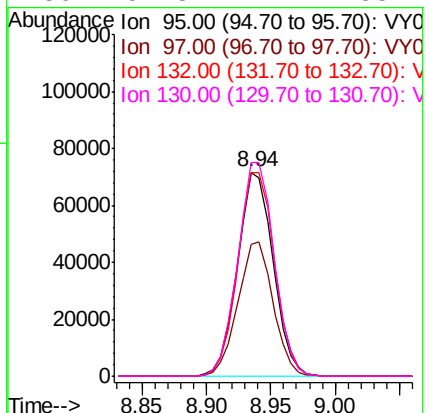
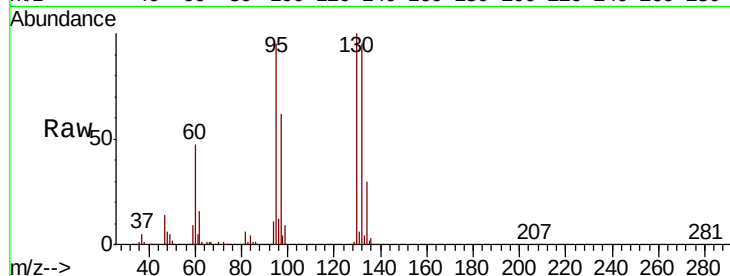




#34
 Trichloroethene
 Concen: 26.685 ug/L
 RT: 8.94 min Scan# 1167
 Delta R.T. -0.01 min
 Lab File: VY003858.D
 Acq: 29 Dec 2020 17:52

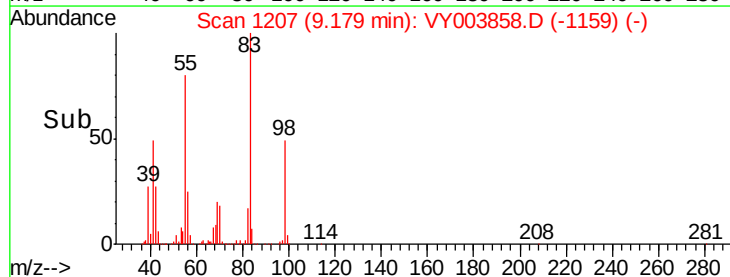
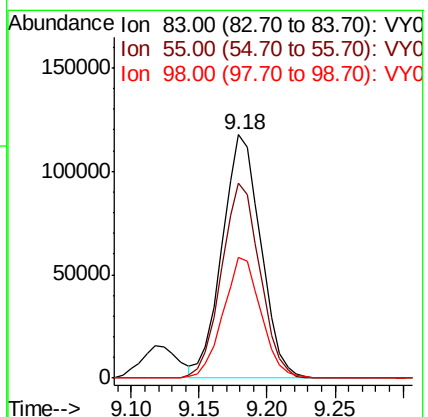
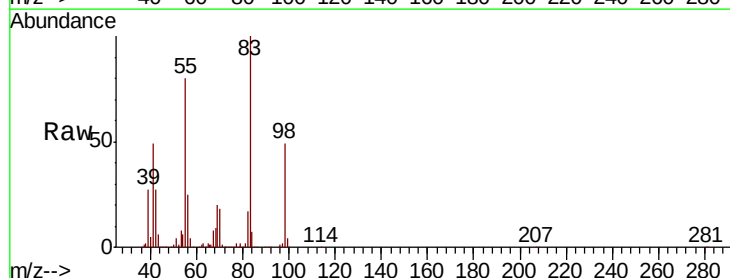
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025202

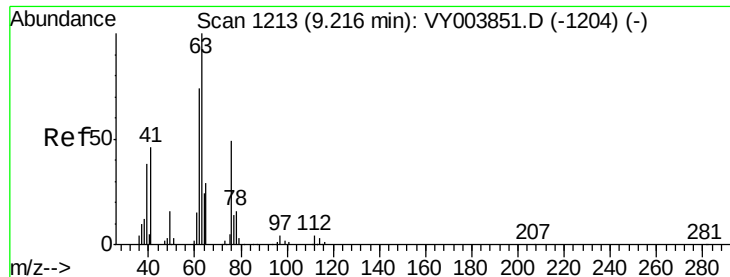
Tot Ion: 95 Resp: 137517
 Ion Ratio Lower Upper
 95 100
 97 64.7 44.4 82.5
 132 99.8 71.8 133.4
 130 104.8 74.4 138.2



#35
 Methylcyclohexane
 Concen: 27.658 ug/L
 RT: 9.18 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VY003858.D
 Acq: 29 Dec 2020 17:52

Tgt Ion: 83 Resp: 231954
 Ion Ratio Lower Upper
 83 100
 55 79.7 62.9 94.3
 98 48.9 39.7 59.5

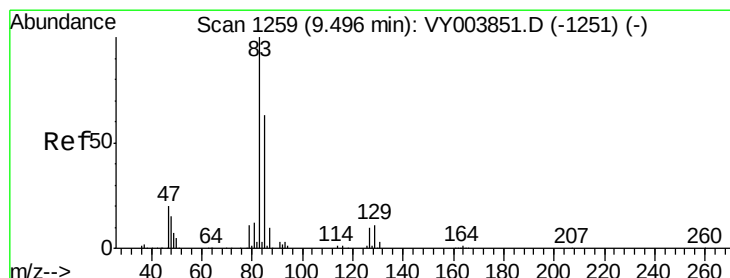
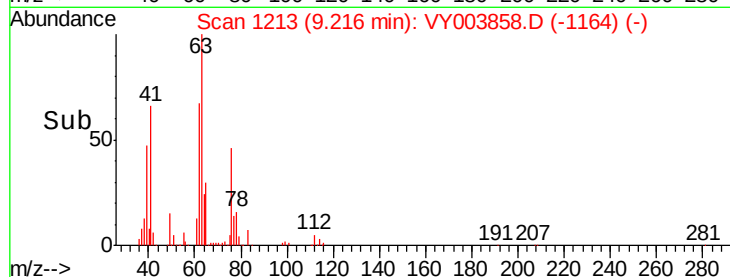
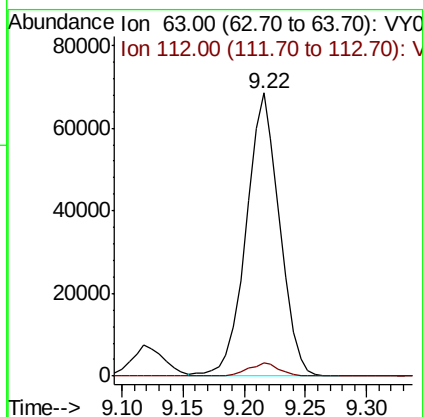
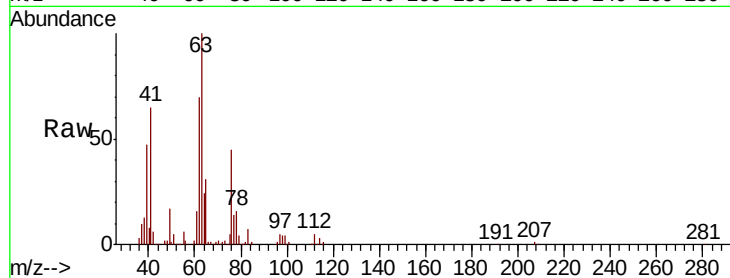




#37
 1,2-Dichloropropane
 Concen: 27.354 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VY003858.D
 Acq: 29 Dec 2020 17:52

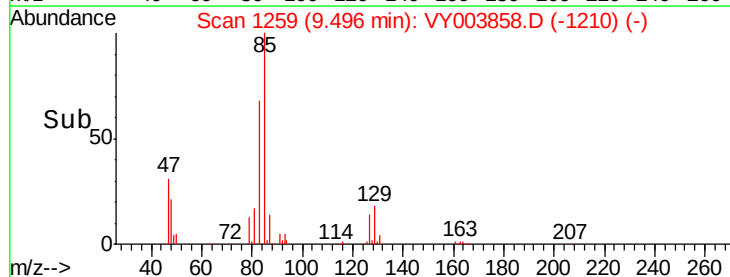
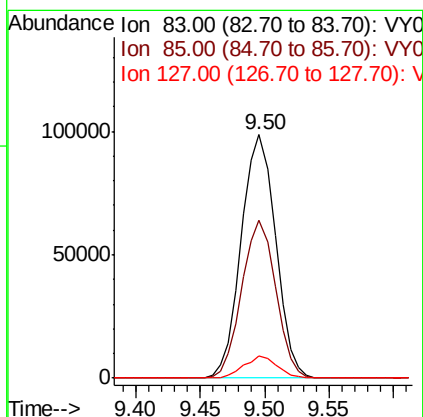
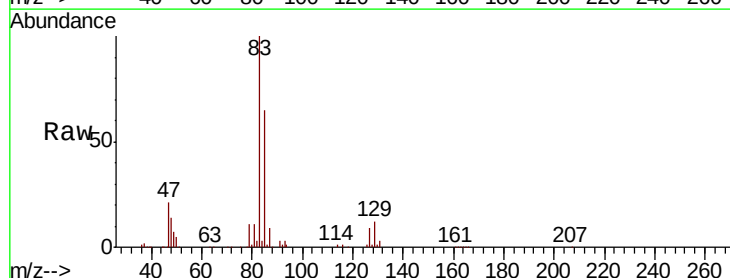
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025202

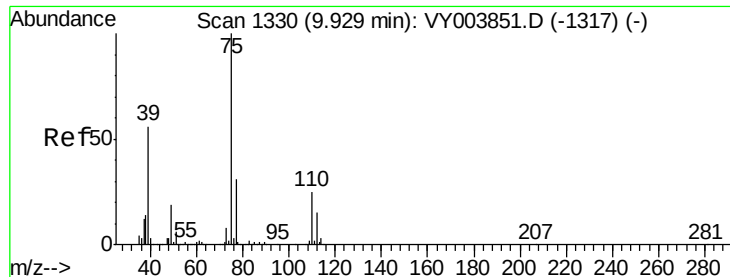
Tot Ion: 63 Resp: 129857
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.7 5.5



#38
 Bromodichloromethane
 Concen: 27.391 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VY003858.D
 Acq: 29 Dec 2020 17:52

Tgt Ion: 83 Resp: 183203
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.2 82.0
 127 9.0 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 26.990 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

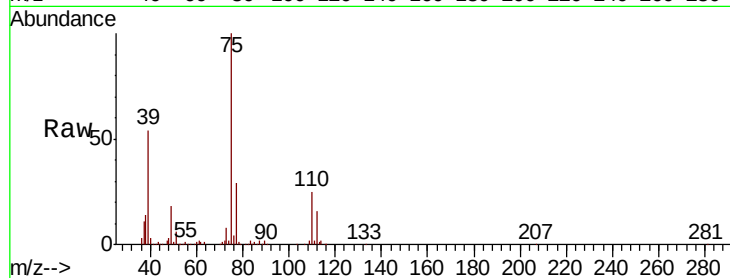
VSTD025202

Tot Ion: 75 Resp: 218884

Ion Ratio Lower Upper

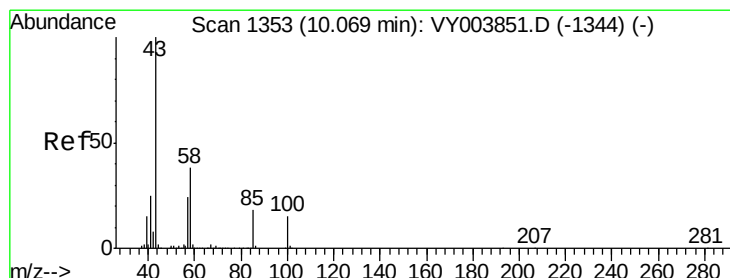
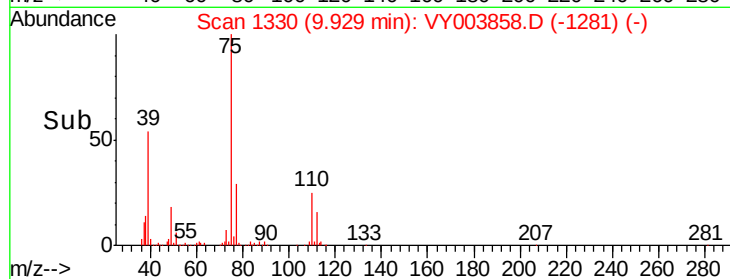
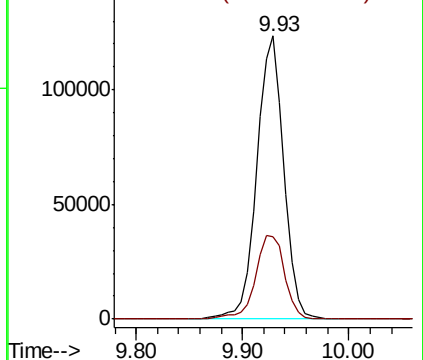
75 100

77 29.0 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#40

4-Methyl-2-pentanone

Concen: 55.419 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

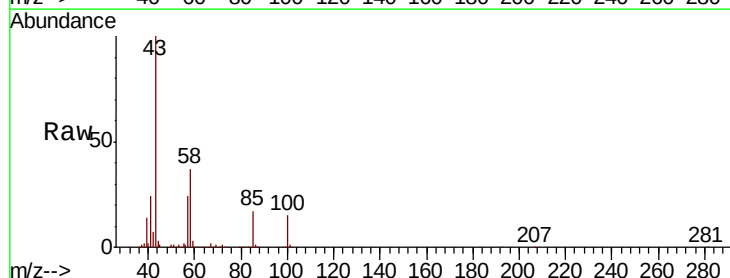
Tgt Ion: 43 Resp: 280866

Ion Ratio Lower Upper

43 100

58 36.6 29.6 44.4

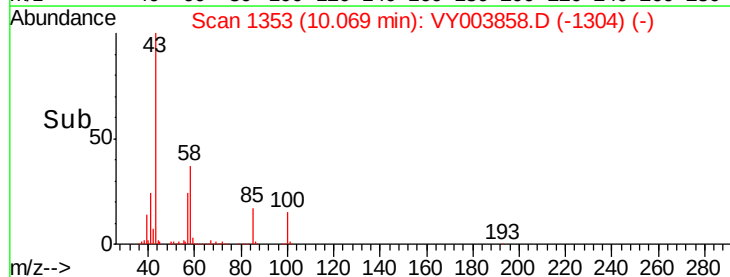
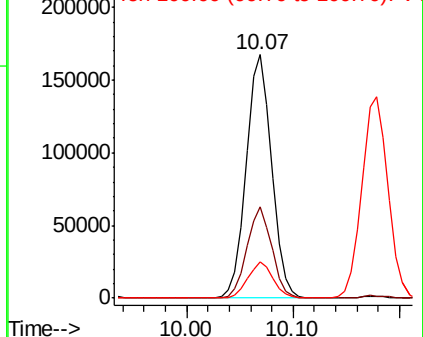
100 14.6 11.8 17.6

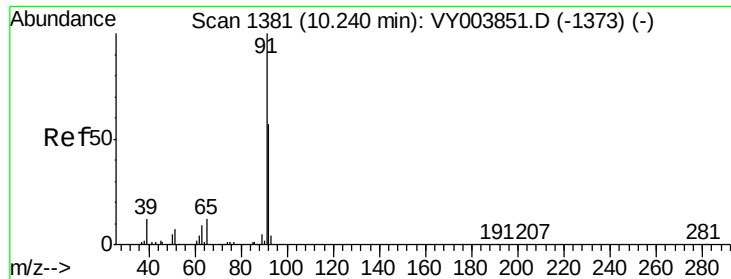


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#42

Toluene

Concen: 27.382 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

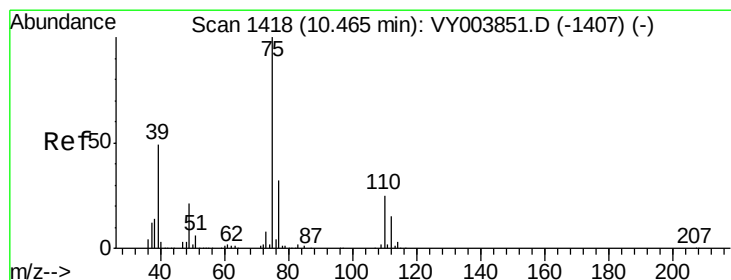
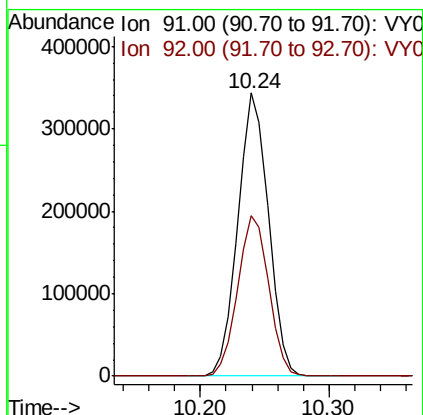
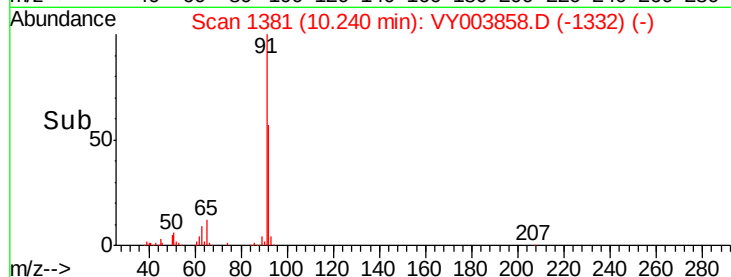
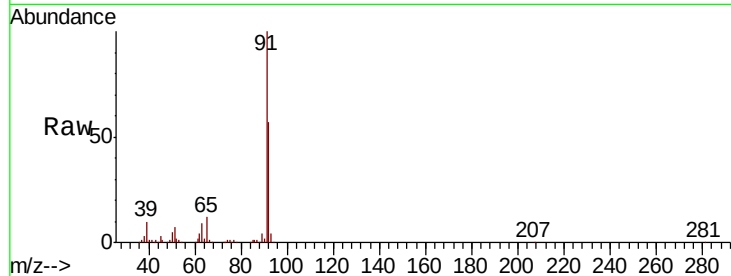
VSTD025202

Tot Ion: 91 Resp: 564807

Ion Ratio Lower Upper

91 100

92 56.6 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 27.082 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003858.D

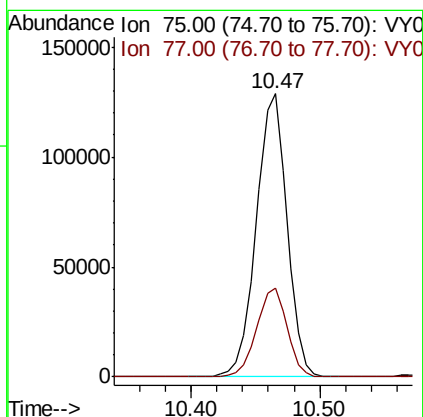
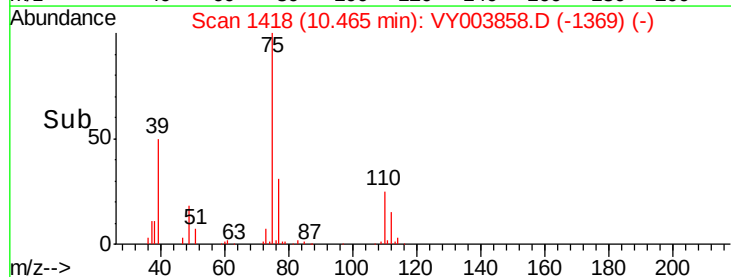
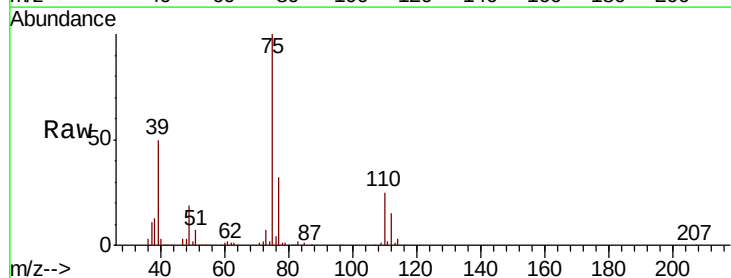
Acq: 29 Dec 2020 17:52

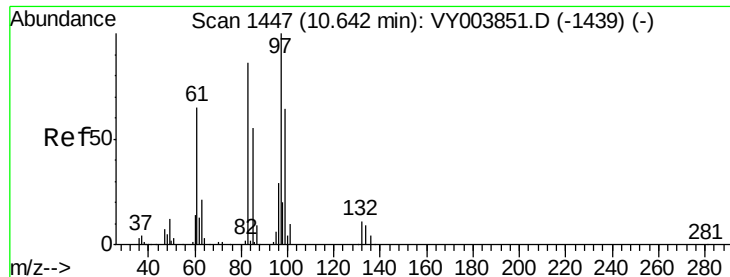
Tgt Ion: 75 Resp: 212020

Ion Ratio Lower Upper

75 100

77 31.5 21.9 40.7

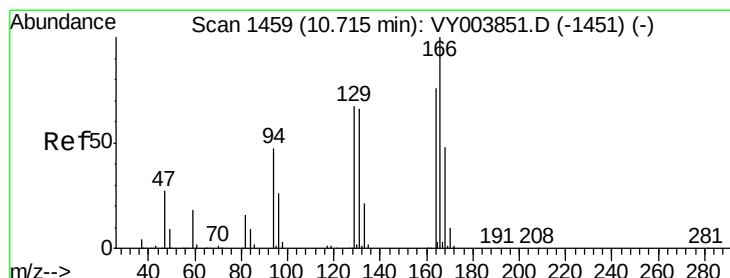
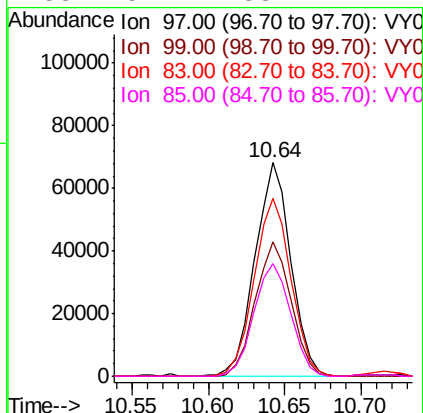
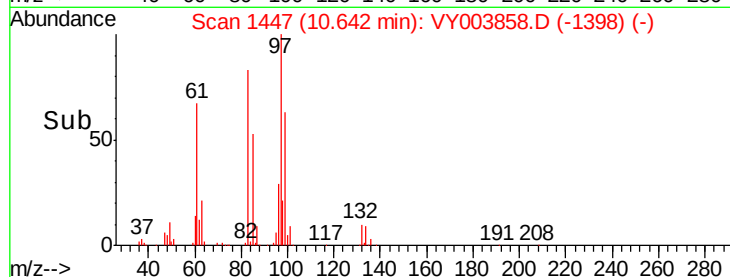
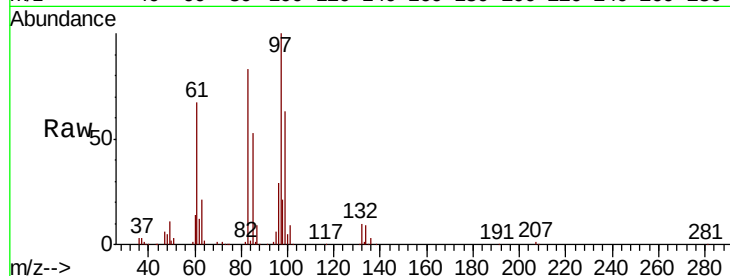




#45
1,1,2-Trichloroethane
Concen: 27.233 ug/L
RT: 10.64 min Scan# 1447
Delta R.T. 0.00 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52

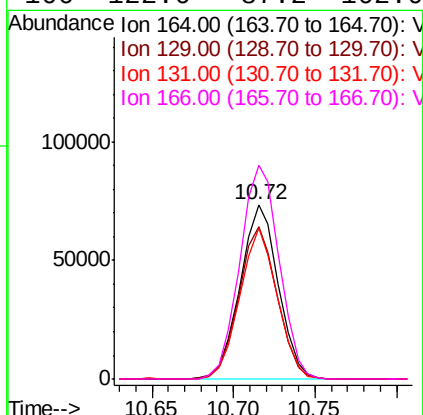
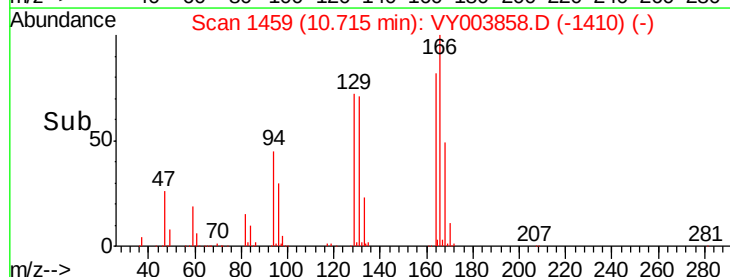
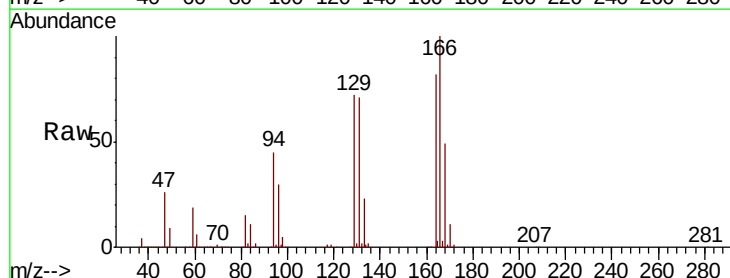
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025202

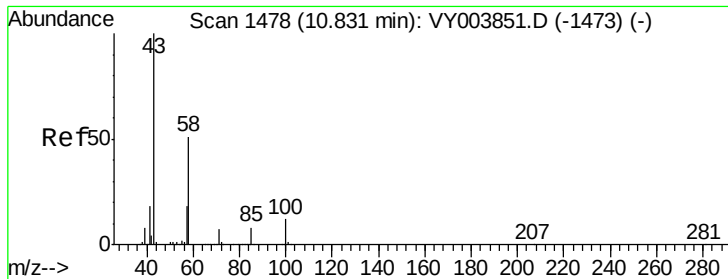
Tot Ion:	97	Resp:	111039
Ion	Ratio	Lower	Upper
97	100		
99	62.9	46.0	85.4
83	83.4	60.8	112.8
85	52.7	38.4	71.2



#46
Tetrachloroethene
Concen: 26.778 ug/L
RT: 10.72 min Scan# 1459
Delta R.T. 0.00 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52

Tgt Ion:	164	Resp:	119365
Ion	Ratio	Lower	Upper
164	100		
129	87.8	62.5	116.1
131	87.1	60.7	112.7
166	122.6	87.2	162.0

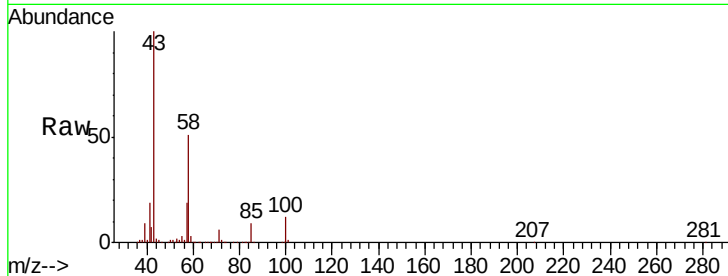




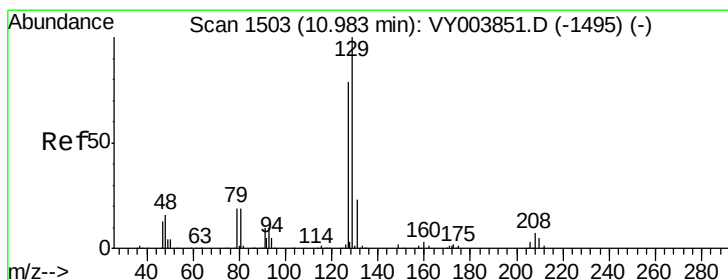
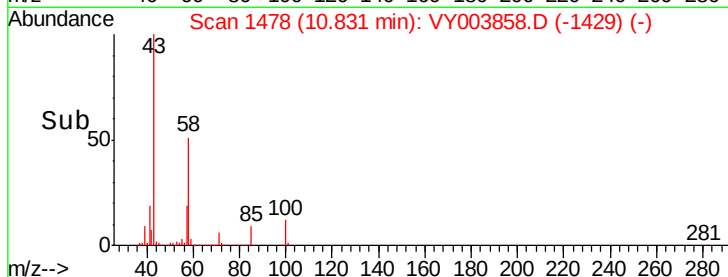
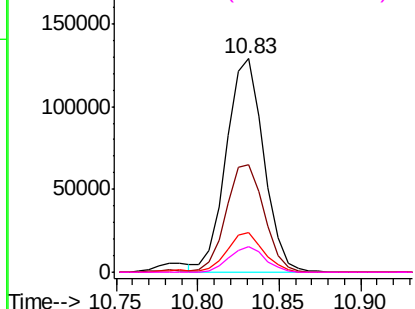
#48
2-Hexanone
Concen: 55.964 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025202

Tot Ion:	43	Resp:	206654
Ion	Ratio	Lower	Upper
43	100		
58	51.1	40.6	60.8
57	17.9	14.5	21.7
100	11.5	9.1	13.7

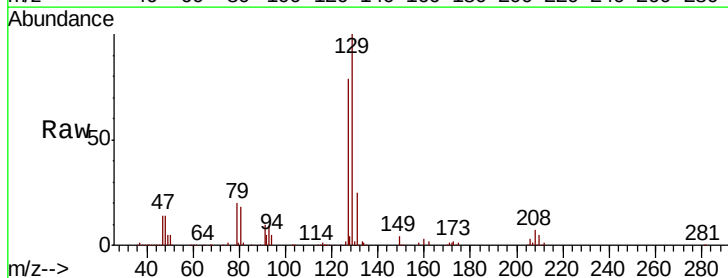


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0
Ion 57.00 (56.70 to 57.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

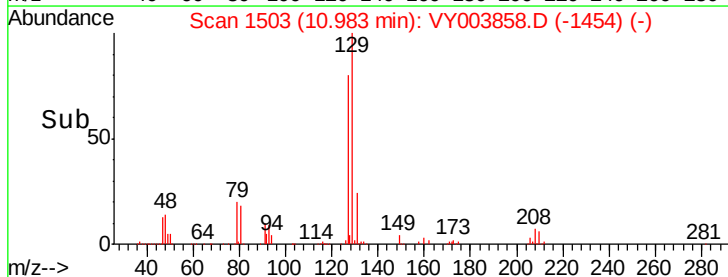
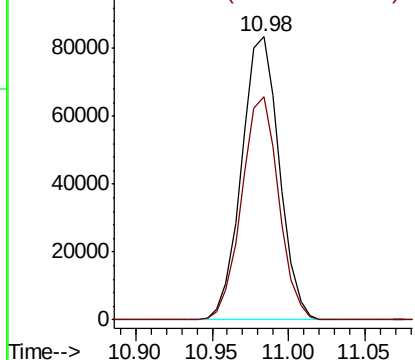


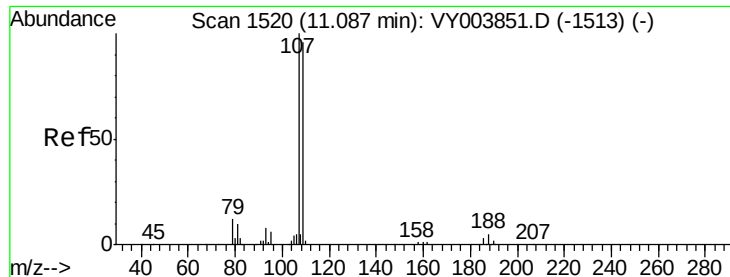
#49
Dibromochloromethane
Concen: 27.704 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52

Tgt Ion:	129	Resp:	143013
Ion	Ratio	Lower	Upper
129	100		
127	78.7	52.7	97.9



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

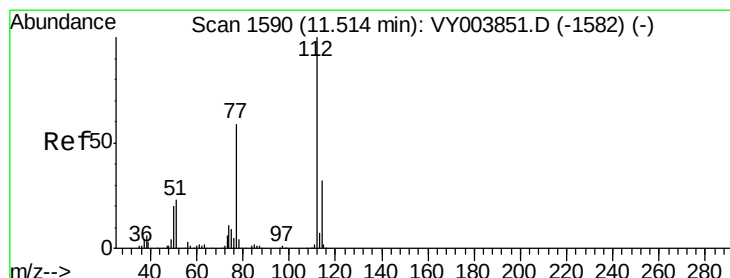
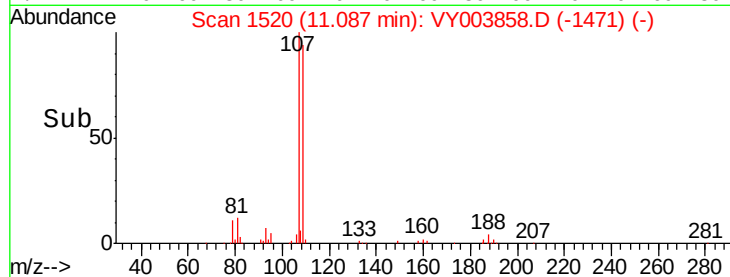
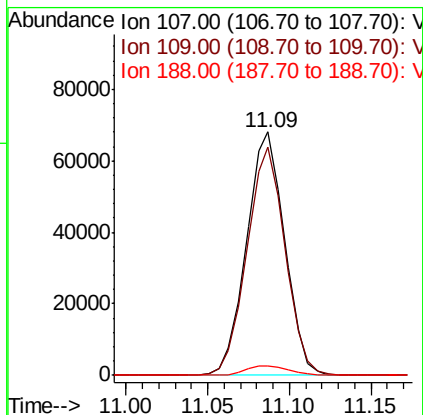
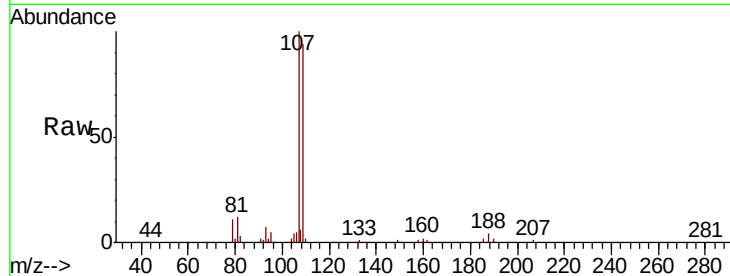




#50
 1,2-Dibromoethane
 Concen: 27.539 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. 0.00 min
 Lab File: VY003858.D
 Acq: 29 Dec 2020 17:52

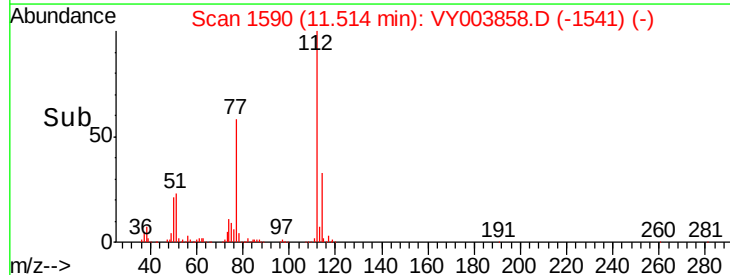
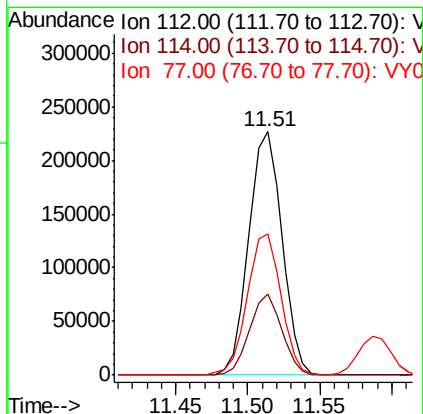
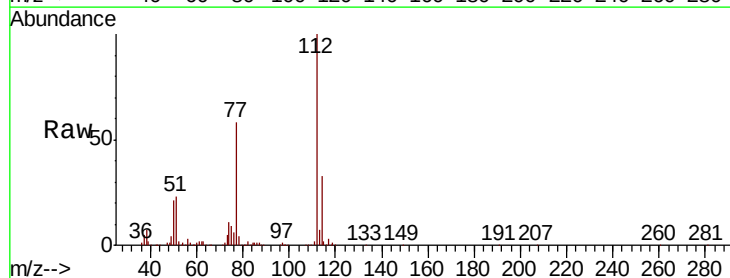
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025202

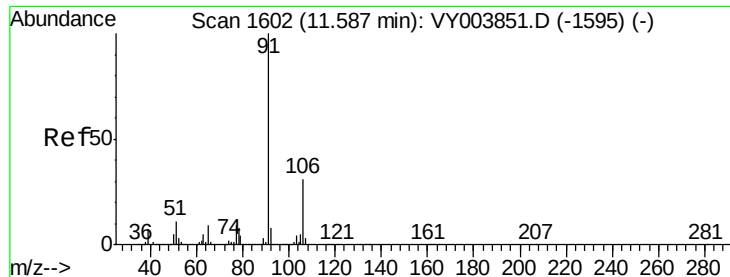
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	65.5	121.7
188	3.9	3.6	5.4



#51
 Chlorobenzene
 Concen: 27.174 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VY003858.D
 Acq: 29 Dec 2020 17:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.4	22.5	41.9
77	58.0	45.2	67.8





#52

Ethylbenzene

Concen: 27.569 ug/L

RT: 11.59 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

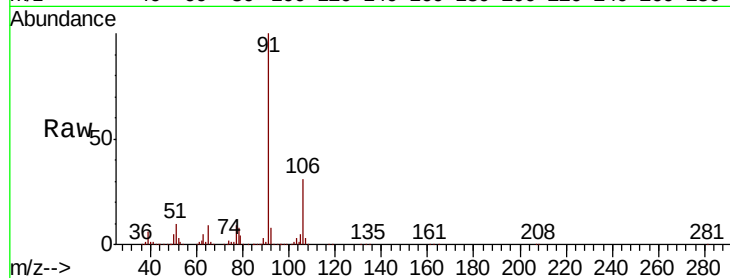
VSTD025202

Tot Ion: 91 Resp: 637004

Ion Ratio Lower Upper

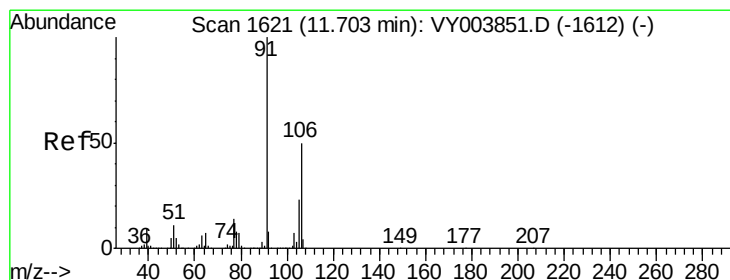
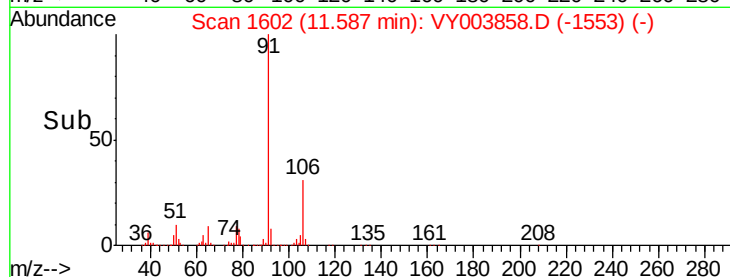
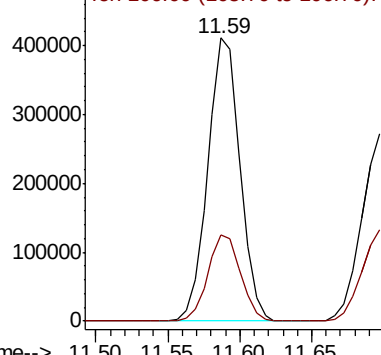
91 100

106 30.7 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 27.513 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003858.D

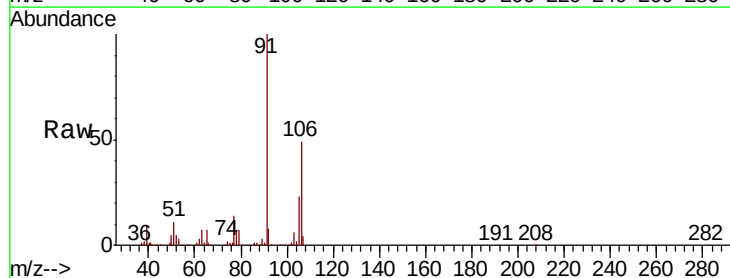
Acq: 29 Dec 2020 17:52

Tgt Ion: 106 Resp: 241083

Ion Ratio Lower Upper

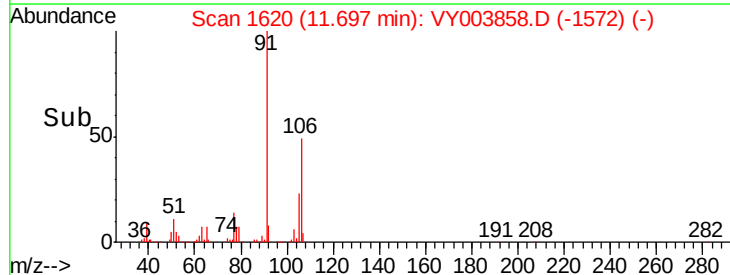
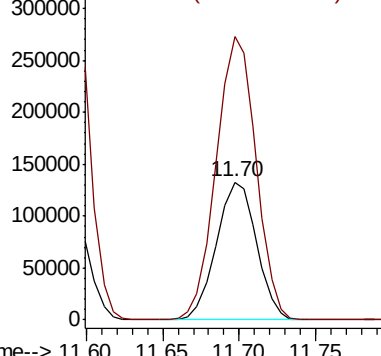
106 100

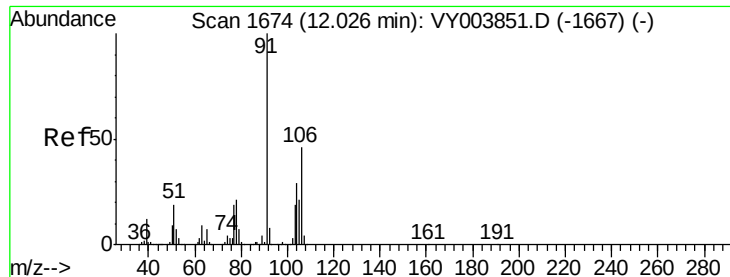
91 205.7 146.3 271.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

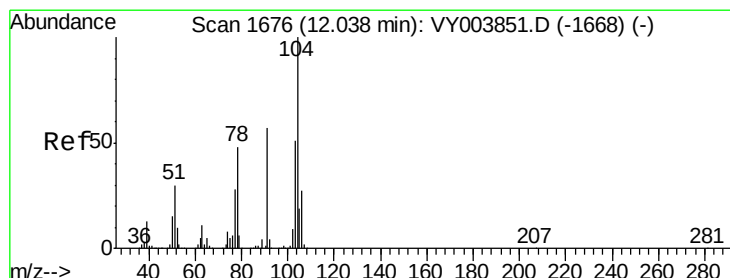
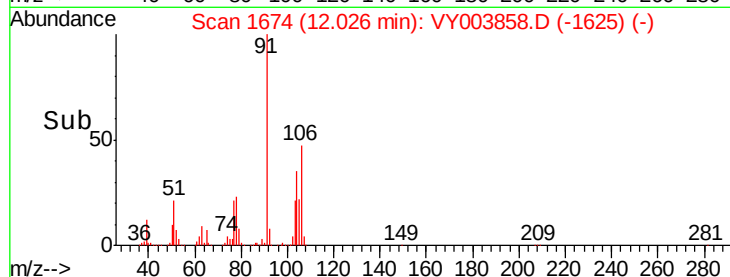
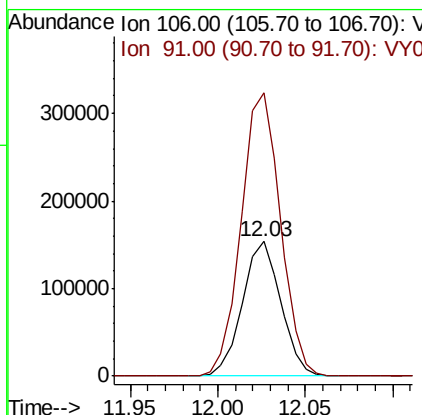
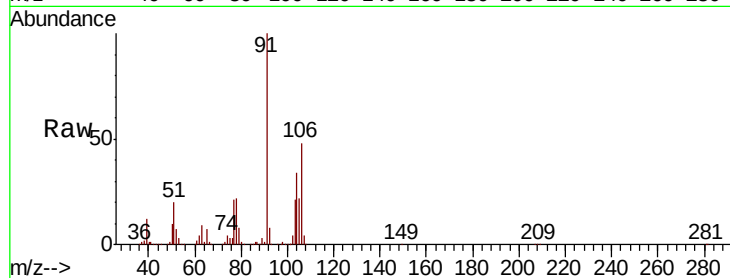




#54
o-Xylene
Concen: 27.435 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52

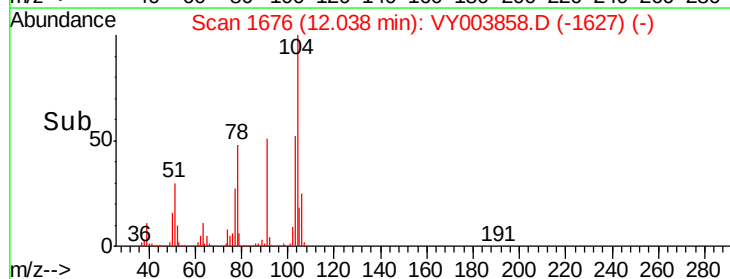
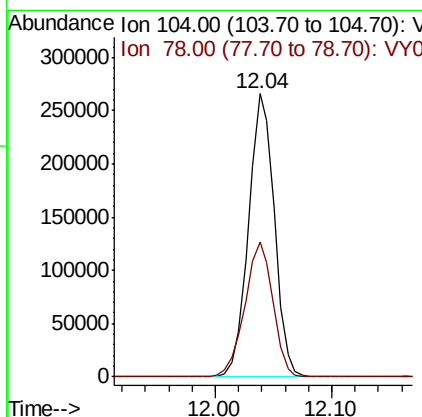
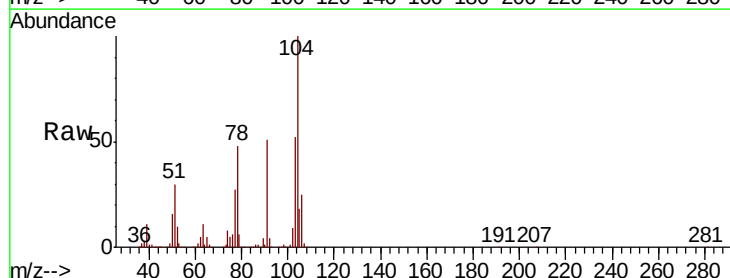
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025202

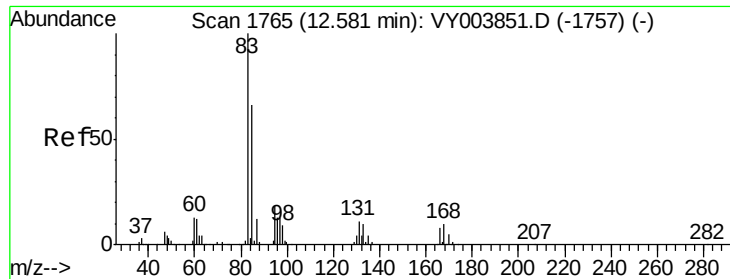
Tot Ion:106 Resp: 234078
Ion Ratio Lower Upper
106 100
91 210.5 147.7 274.3



#55
Styrene
Concen: 27.901 ug/L
RT: 12.04 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VY003858.D
Acq: 29 Dec 2020 17:52

Tgt Ion:104 Resp: 411669
Ion Ratio Lower Upper
104 100
78 47.7 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 27.803 ug/L

RT: 12.57 min Scan# 1764

Delta R.T. -0.01 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025202

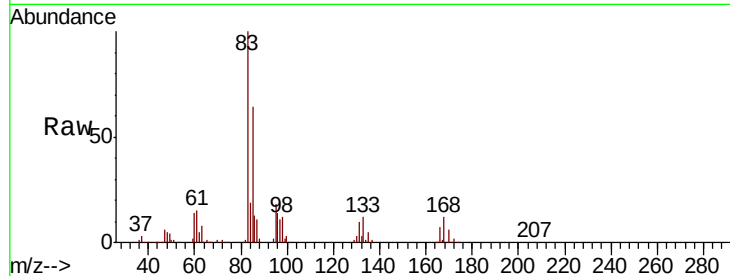
Tot Ion: 83 Resp: 134159

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3

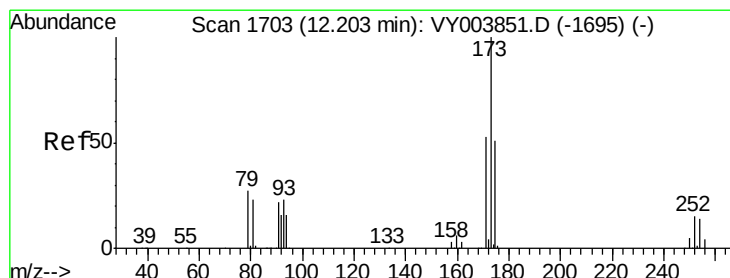
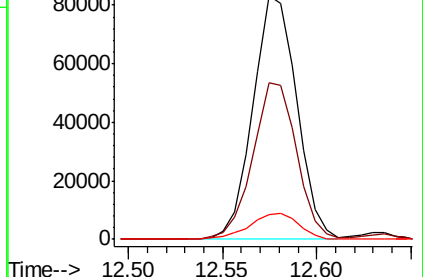
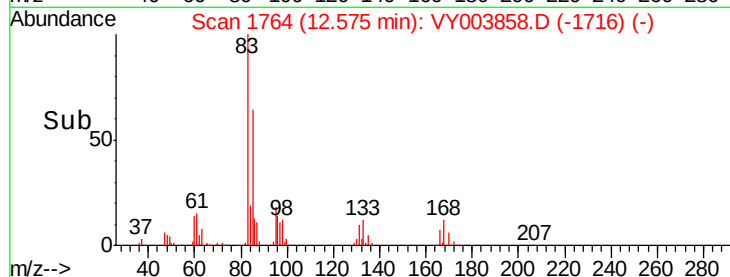
131 9.9 9.0 13.6



Abundance Ion 83.00 (82.70 to 83.70): VY003858.D (-1757) (-)

Ion 85.00 (84.70 to 85.70): VY003858.D (-1757) (-)

Ion 131.00 (130.70 to 131.70): VY003858.D (-1757) (-)



#59

Bromoform

Concen: 27.391 ug/L

RT: 12.20 min Scan# 1703

Delta R.T. 0.00 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

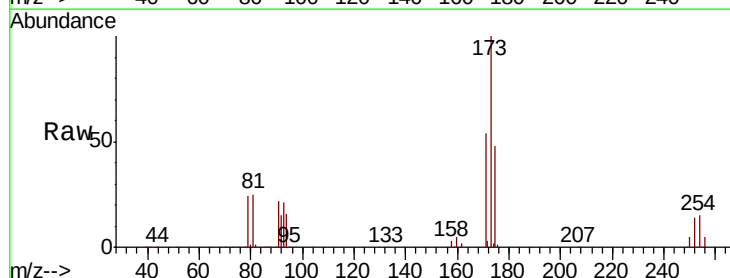
Tgt Ion: 173 Resp: 103542

Ion Ratio Lower Upper

173 100

175 48.8 38.9 58.3

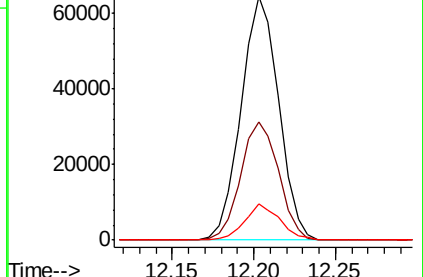
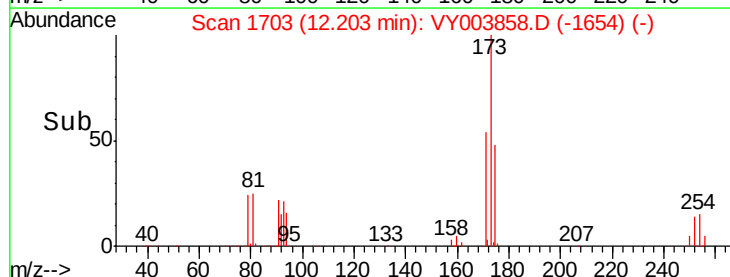
254 14.0 11.5 17.3

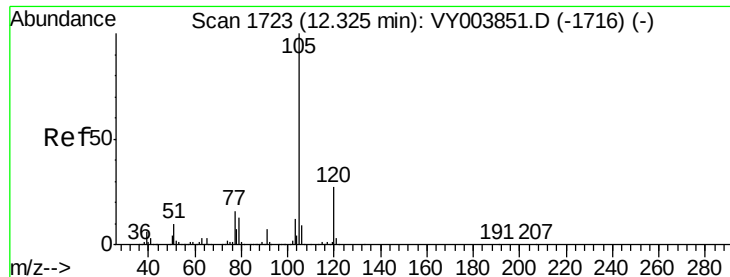


Abundance Ion 173.00 (172.70 to 173.70): VY003858.D (-1695) (-)

Ion 175.00 (174.70 to 175.70): VY003858.D (-1695) (-)

Ion 254.00 (253.70 to 254.70): VY003858.D (-1695) (-)





#60

Isopropylbenzene

Concen: 27.418 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. 0.00 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025202

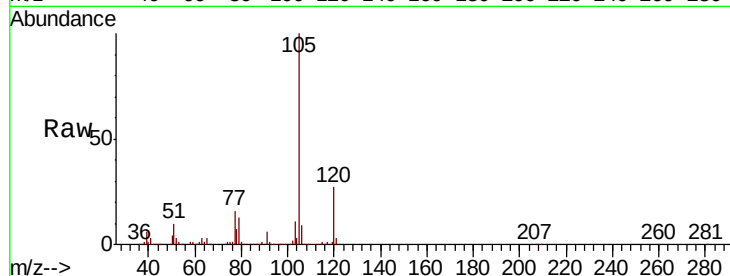
Tot Ion:105 Resp: 634880

Ion Ratio Lower Upper

105 100

120 26.7 21.7 32.5

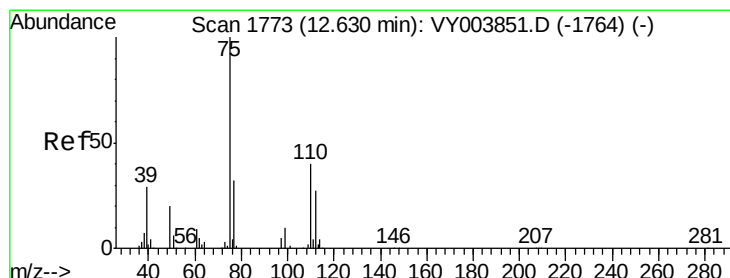
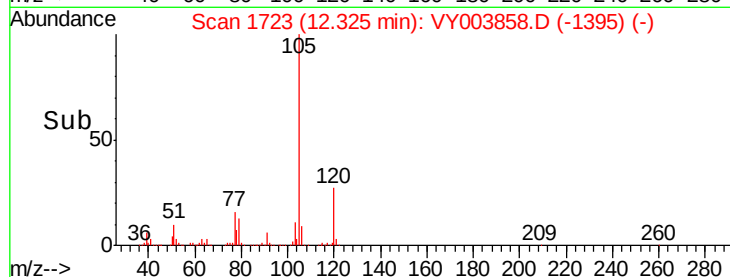
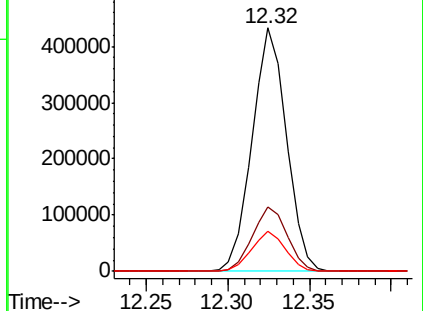
77 16.3 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 26.905 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

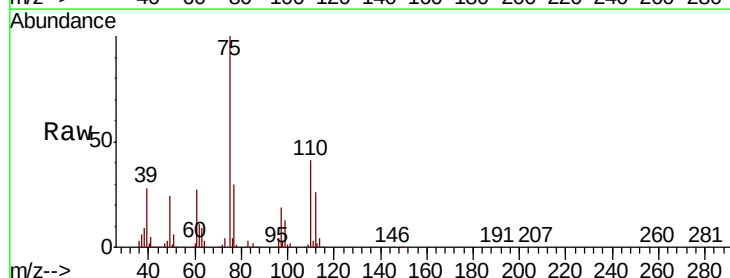
Tgt Ion: 75 Resp: 115733

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.4

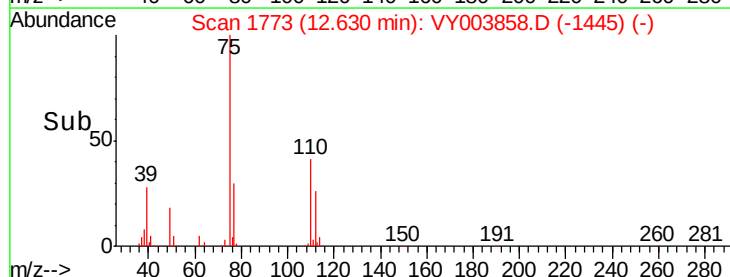
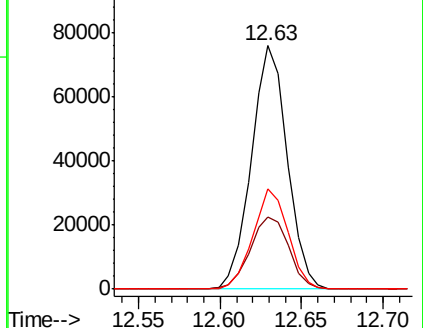
110 40.5 32.4 48.6

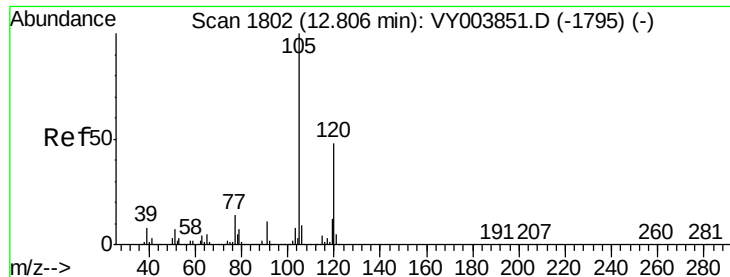


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 27.782 ug/L

RT: 12.81 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

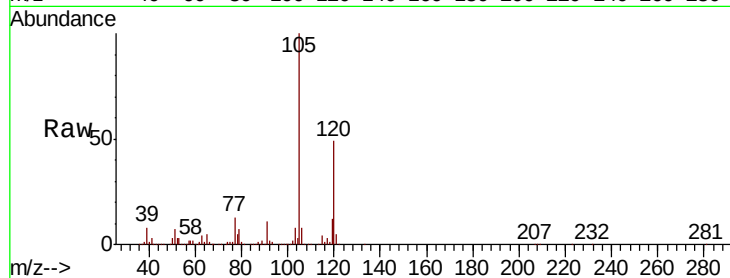
VSTD025202

Tot Ion:105 Resp: 534326

Ion Ratio Lower Upper

105 100

120 48.6 39.0 58.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.81

400000

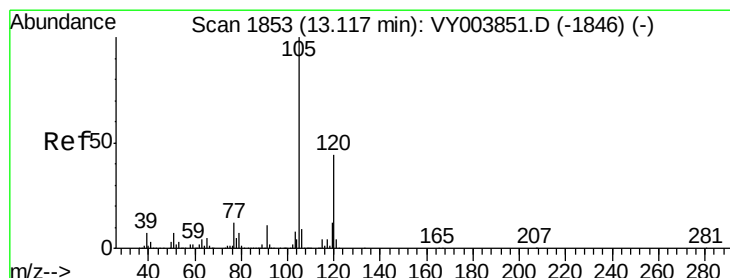
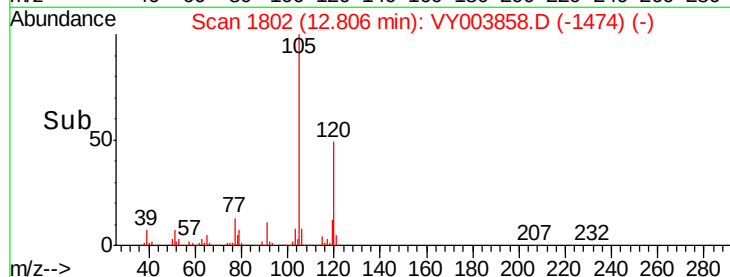
300000

200000

100000

0

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 27.880 ug/L

RT: 13.11 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VY003858.D

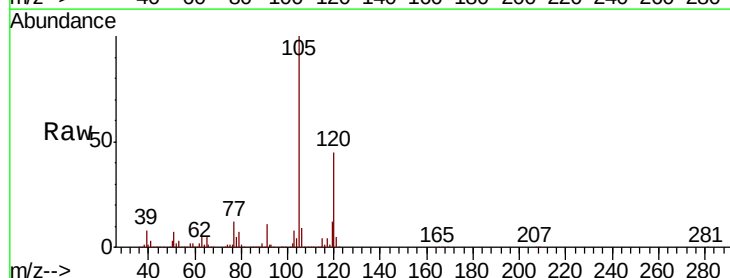
Acq: 29 Dec 2020 17:52

Tgt Ion:105 Resp: 543232

Ion Ratio Lower Upper

105 100

120 46.2 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.11

400000

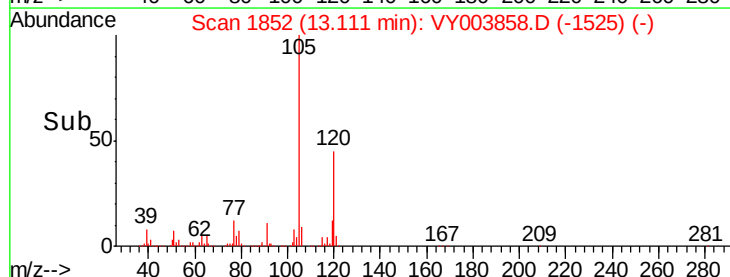
300000

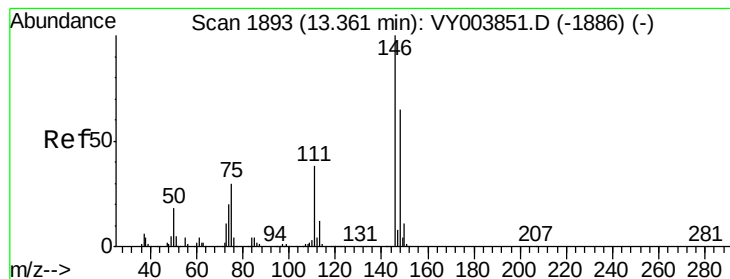
200000

100000

0

Time-->





#64

1,3-Dichlorobenzene

Concen: 27.174 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025202

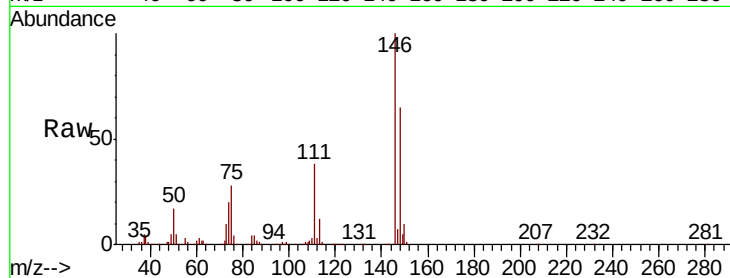
Tot Ion:146 Resp: 304807

Ion Ratio Lower Upper

146 100

111 38.3 27.7 51.5

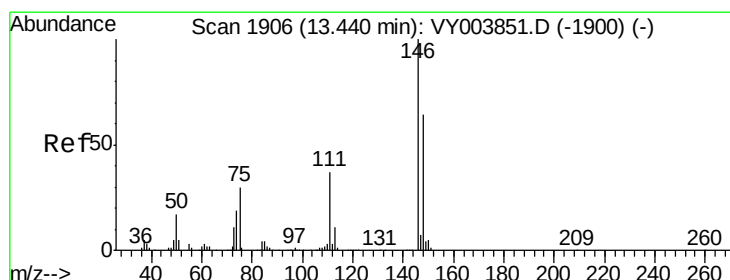
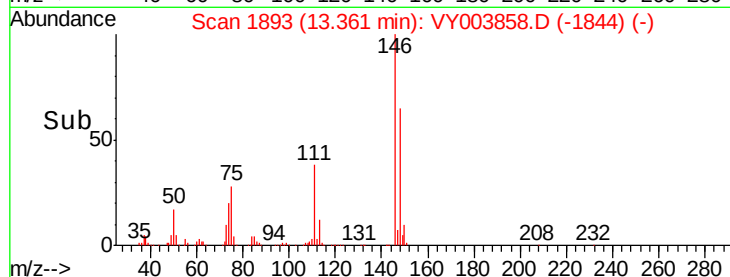
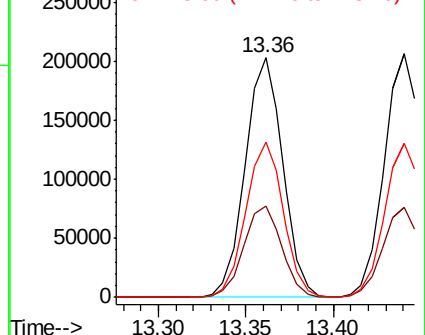
148 64.8 45.4 84.4



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



#65

1,4-Dichlorobenzene

Concen: 27.281 ug/L

RT: 13.44 min Scan# 1906

Delta R.T. 0.00 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

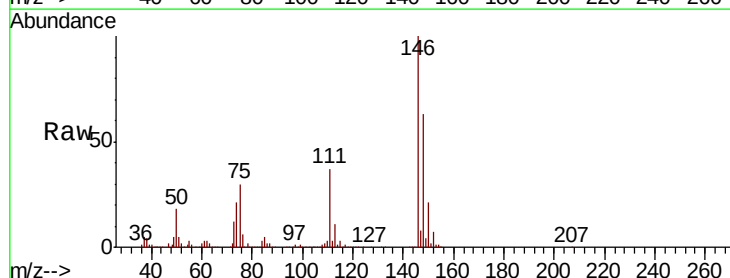
Tgt Ion:146 Resp: 309867

Ion Ratio Lower Upper

146 100

111 37.2 25.7 47.7

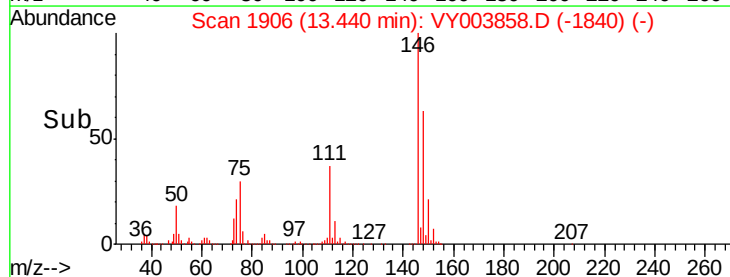
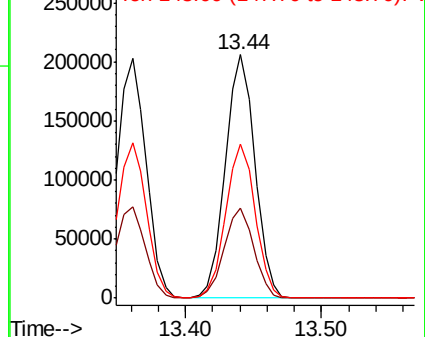
148 63.3 44.4 82.4

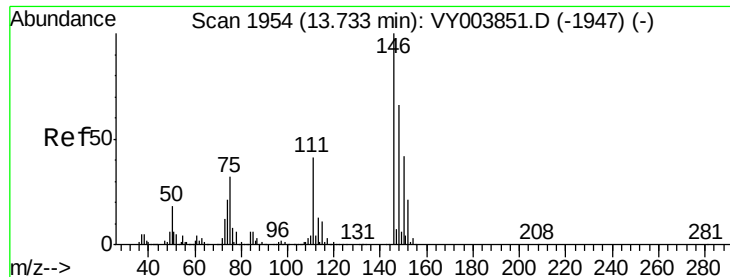


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

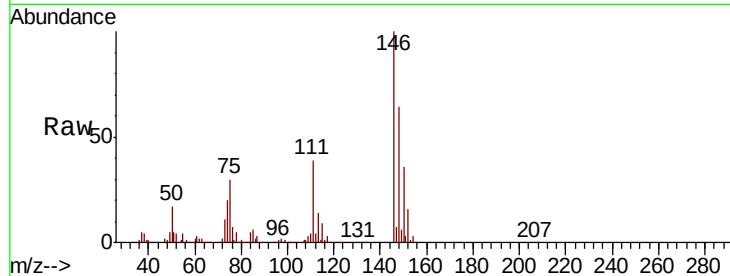




#67
 1,2-Dichlorobenzene
 Concen: 27.296 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VY003858.D
 Acq: 29 Dec 2020 17:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025202

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	31.3	46.9
148	63.6	51.0	76.4

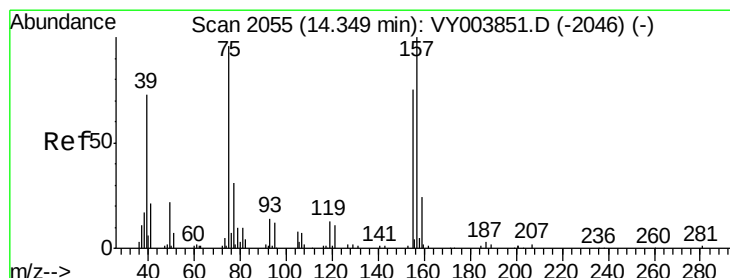
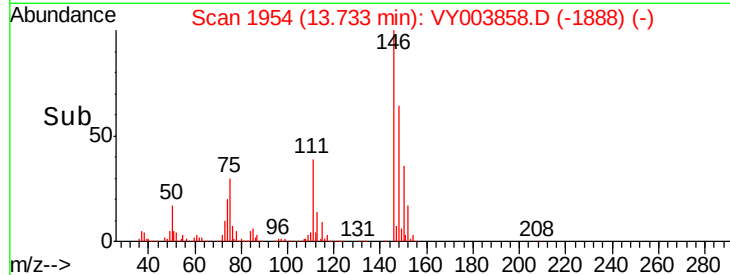
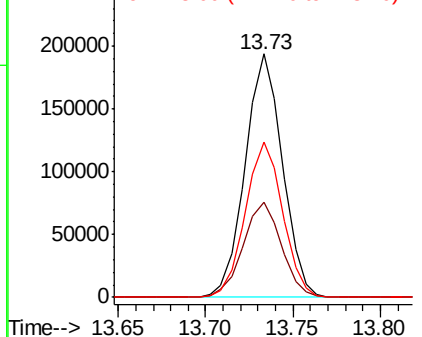


Abundance

Ion 146.00 (145.70 to 146.70): V

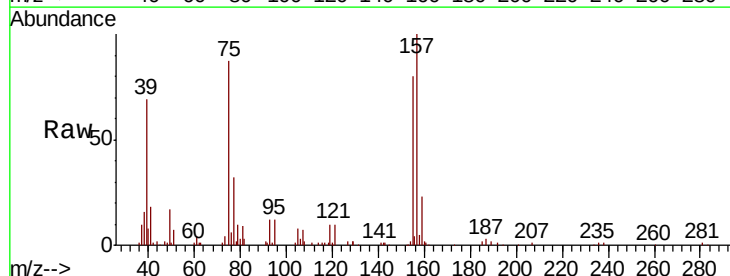
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68
 1,2-Dibromo-3-chloropropane
 Concen: 27.463 ug/L
 RT: 14.35 min Scan# 2055
 Delta R.T. 0.00 min
 Lab File: VY003858.D
 Acq: 29 Dec 2020 17:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	68.2	102.4
157	115.1	90.2	135.4

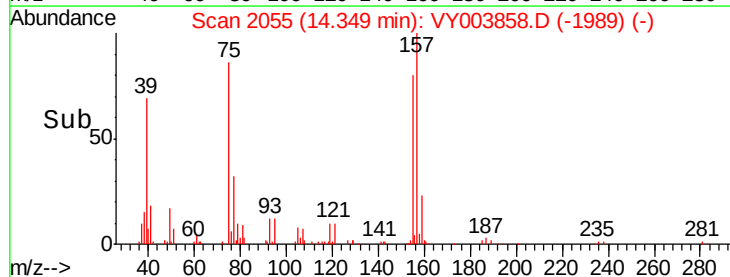
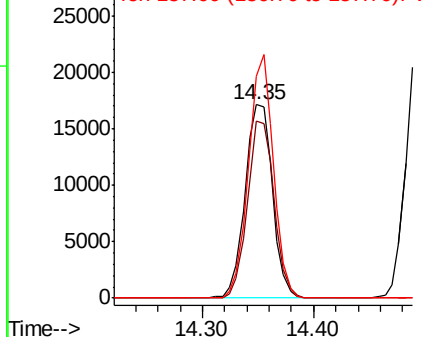


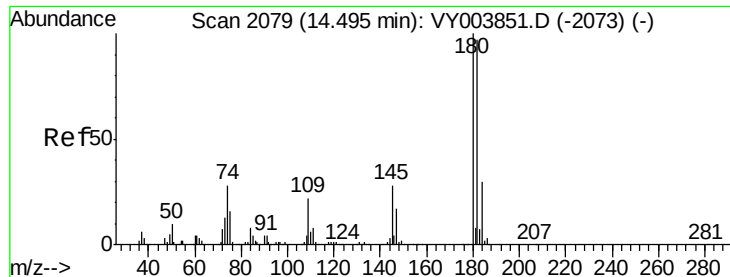
Abundance

Ion 75.00 (74.70 to 75.70): VY0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

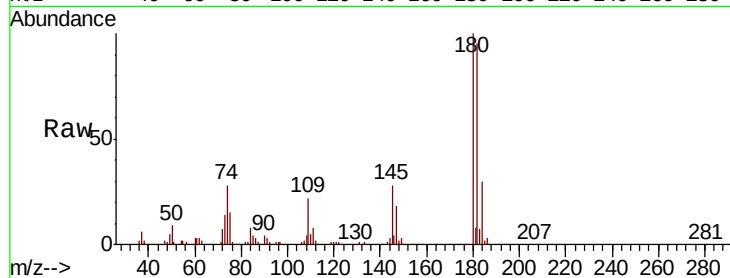




#69
 1,3,5-Trichlorobenzene
 Concen: 27.087 ug/L
 RT: 14.50 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VY003858.D
 Acq: 29 Dec 2020 17:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025202

Tot Ion:180	Resp:	236860
Ion Ratio	Lower	Upper
180	100	
182	95.0	75.6 113.4
184	30.9	24.9 37.3
145	27.4	21.8 32.6



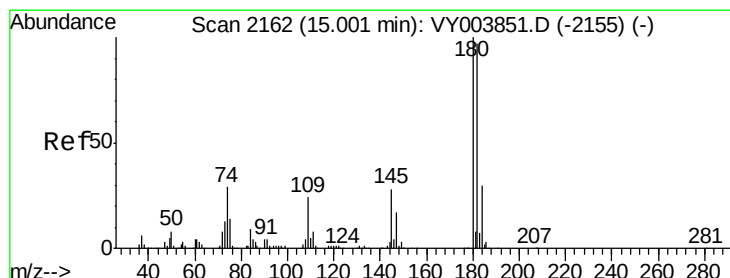
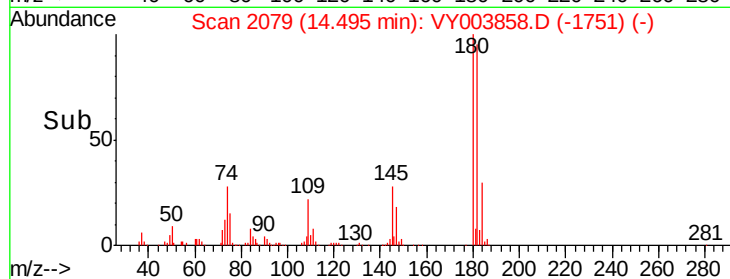
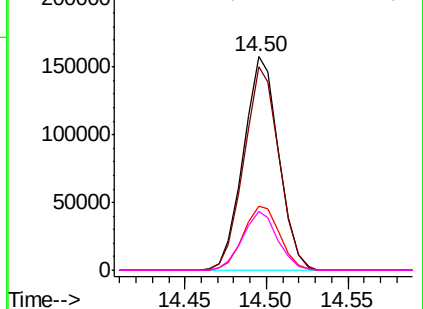
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

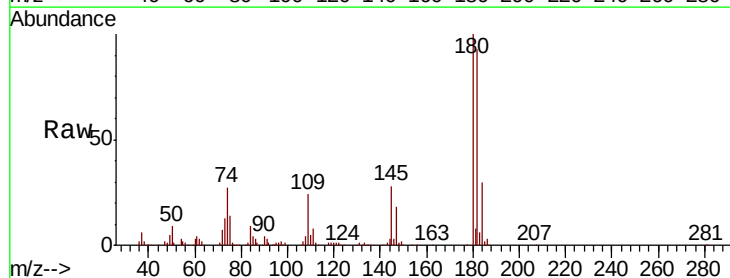
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 26.926 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. 0.00 min
 Lab File: VY003858.D
 Acq: 29 Dec 2020 17:52

Tgt Ion:180	Resp:	199634
Ion Ratio	Lower	Upper
180	100	
182	96.4	76.1 114.1
145	28.4	22.6 33.8

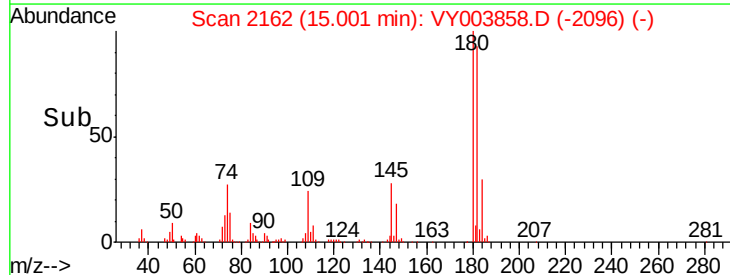
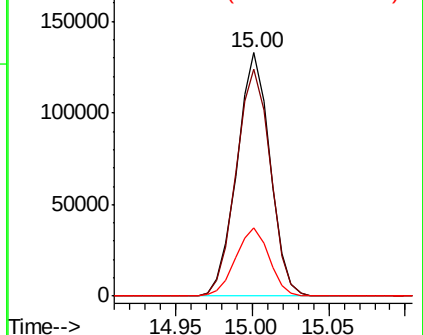


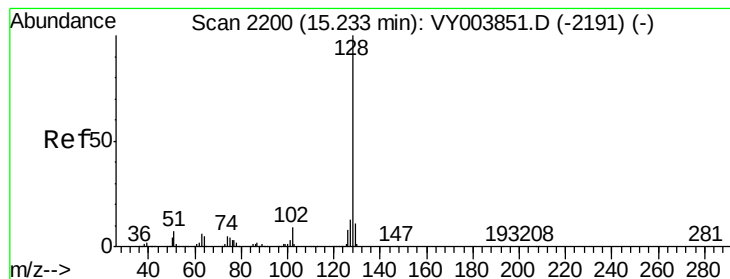
Abundance

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





#71

Naphthalene

Concen: 27.516 ug/L

RT: 15.23 min Scan# 2199

Delta R.T. -0.01 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025202

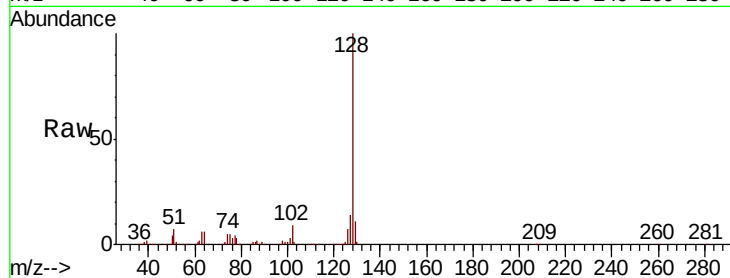
Tot Ion:128 Resp: 425887

Ion Ratio Lower Upper

128 100

127 13.8 10.7 16.1

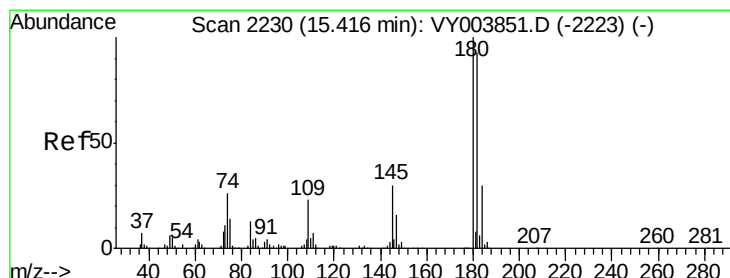
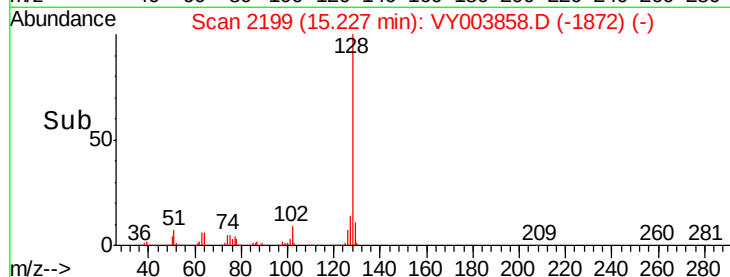
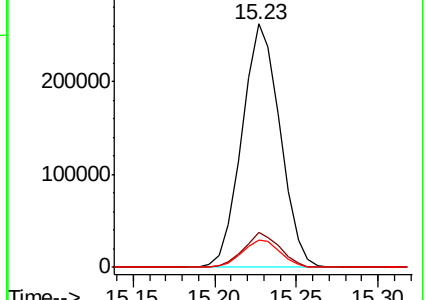
129 11.2 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 27.552 ug/L

RT: 15.42 min Scan# 2230

Delta R.T. 0.00 min

Lab File: VY003858.D

Acq: 29 Dec 2020 17:52

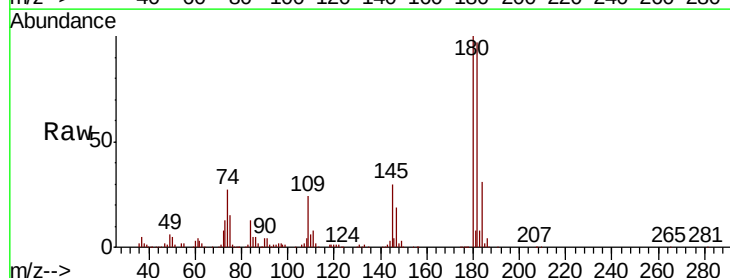
Tgt Ion:180 Resp: 180439

Ion Ratio Lower Upper

180 100

182 96.3 74.6 111.8

145 29.5 23.3 34.9



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

