

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120220\
 Data File : VY003648.D
 Acq On : 02 Dec 2020 13:46
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025410

Quant Time: Dec 03 01:06:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 03 01:04:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	206583	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	189784	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.43	152	96141	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	61851	22.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.68%
7) Chloroethane-d5	2.77	69	49955	23.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	3.86	63	133765	24.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.60%
21) 2-Butanone-d5	6.90	46	67197	57.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.98%
24) Chloroform-d	7.49	84	133036	25.39	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.56%
26) 1,2-Dichloroethane-d4	8.15	65	72463	25.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.16%
32) Benzene-d6	8.12	84	274773	25.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.92%
36) 1,2-Dichloropropane-d6	9.13	67	83686	25.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.92%
41) Toluene-d8	10.18	98	246182	25.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	10.44	79	39014	25.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.48%
47) 2-Hexanone-d5	10.79	63	51784	59.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.00%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	87756	26.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.68%
66) 1,2-Dichlorobenzene-d4	13.72	152	86518	25.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	61611	25.696	ug/L	99
3) Chloromethane	2.12	50	66753	25.672	ug/L	100
5) Vinyl chloride	2.26	62	73249	26.253	ug/L	98
6) Bromomethane	2.66	94	45863	26.253	ug/L	99
8) Chloroethane	2.80	64	44555	25.576	ug/L	100
9) Trichlorofluoromethane	3.14	101	115097	27.182	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	74008	26.182	ug/L	98
12) 1,1-Dichloroethene	3.88	96	70297	26.177	ug/L #	78
13) Acetone	3.96	43	49797	59.962	ug/L	96
14) Carbon disulfide	4.20	76	234707	26.457	ug/L	98
15) Methyl Acetate	4.49	43	54129	27.066	ug/L	100
16) Methylene chloride	4.73	84	84618	24.264	ug/L	96
17) trans-1,2-Dichloroethene	5.23	96	75732	25.678	ug/L	100
18) Methyl tert-butyl Ether	5.23	73	179700	24.930	ug/L	100
19) 1,1-Dichloroethane	6.03	63	126857	25.552	ug/L	99
20) cis-1,2-Dichloroethene	7.00	96	79958	25.851	ug/L	98
22) 2-Butanone	7.00	43	78250	56.046	ug/L	100

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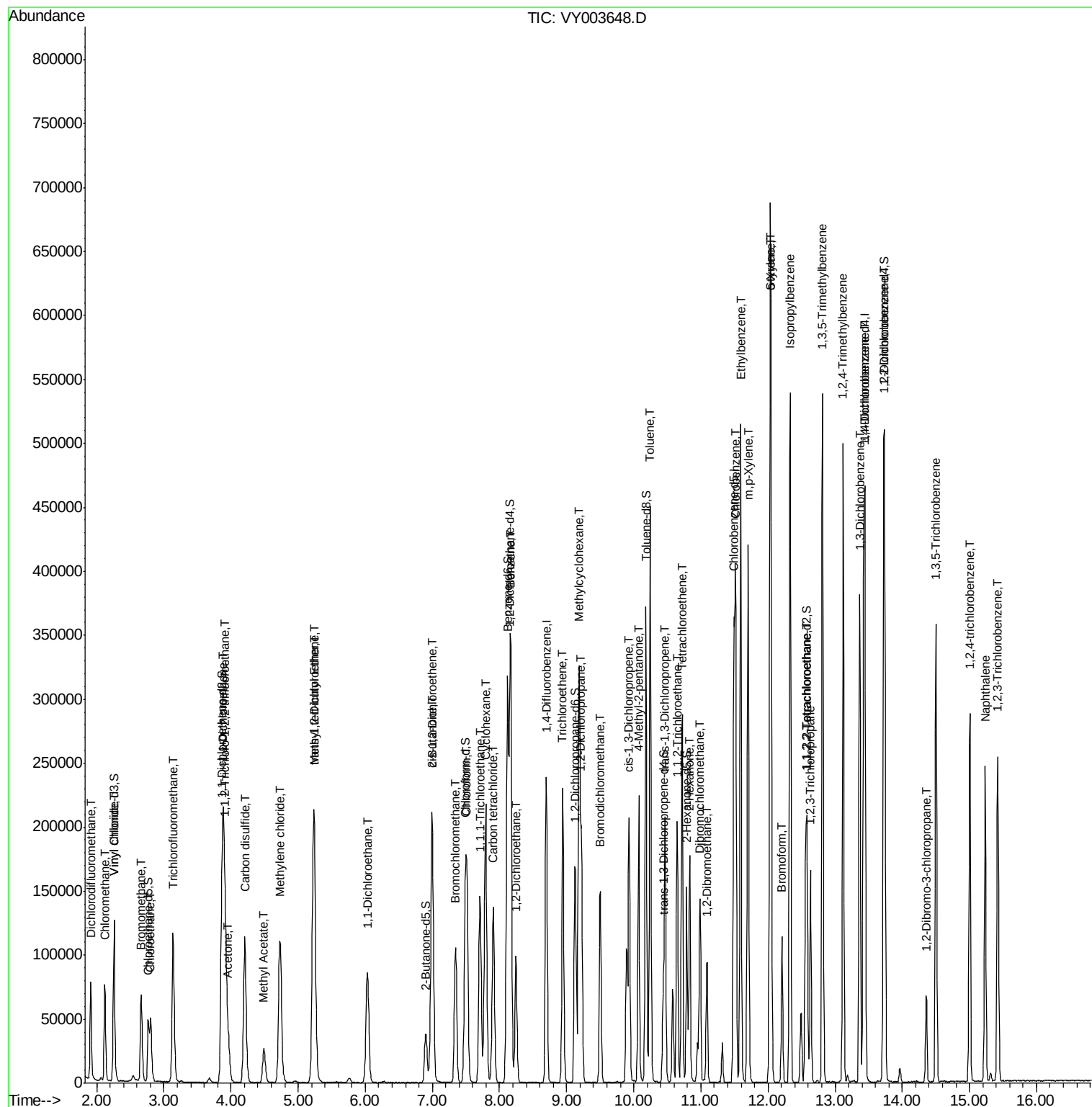
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	38143	25.287	ug/L	98
25) Chloroform	7.51	83	128606	25.856	ug/L	97
27) 1,2-Dichloroethane	8.25	62	83925	25.634	ug/L	98
29) Cyclohexane	7.79	56	121914	27.057	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	115957	26.801	ug/L	99
31) Carbon tetrachloride	7.90	117	106909	27.376	ug/L	98
33) Benzene	8.17	78	305157	26.309	ug/L	100
34) Trichloroethene	8.94	95	75426	26.053	ug/L	97
35) Methylcyclohexane	9.18	83	132894	26.846	ug/L	100
37) 1,2-Dichloropropane	9.22	63	74238	25.215	ug/L	100
38) Bromodichloromethane	9.50	83	94994	25.631	ug/L	96
39) cis-1,3-Dichloropropene	9.93	75	117410	25.812	ug/L	95
40) 4-Methyl-2-pentanone	10.08	43	144939	56.069	ug/L	99
42) Toluene	10.25	91	321103	26.352	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	107948	25.710	ug/L	98
45) 1,1,2-Trichloroethane	10.65	97	61464	24.858	ug/L	96
46) Tetrachloroethene	10.72	164	64515	26.036	ug/L	94
48) 2-Hexanone	10.83	43	112421	59.574	ug/L	99
49) Dibromochloromethane	10.99	129	72534	25.384	ug/L	100
50) 1,2-Dibromoethane	11.09	107	60682	25.374	ug/L #	100
51) Chlorobenzene	11.51	112	204423	26.039	ug/L	99
52) Ethylbenzene	11.59	91	344199	26.400	ug/L	99
53) m,p-Xylene	11.70	106	134529	26.384	ug/L	100
54) o-Xylene	12.03	106	126560	26.280	ug/L	97
55) Styrene	12.04	104	218011	26.458	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.58	83	85437	26.077	ug/L	97
59) Bromoform	12.21	173	49709	26.337	ug/L	98
60) Isopropylbenzene	12.33	105	337818	27.486	ug/L	100
61) 1,2,3-Trichloropropane	12.64	75	61657	26.818	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	268159	27.514	ug/L	100
63) 1,2,4-Trimethylbenzene	13.12	105	260645	27.068	ug/L	99
64) 1,3-Dichlorobenzene	13.37	146	156937	26.391	ug/L	98
65) 1,4-Dichlorobenzene	13.45	146	156226	25.854	ug/L	98
67) 1,2-Dichlorobenzene	13.74	146	143155	25.638	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.35	75	15198	28.487	ug/L	93
69) 1,3,5-Trichlorobenzene	14.50	180	108646	26.007	ug/L	99
70) 1,2,4-trichlorobenzene	15.01	180	89357	25.112	ug/L	99
71) Naphthalene	15.23	128	206338	26.561	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	83194	25.456	ug/L	99

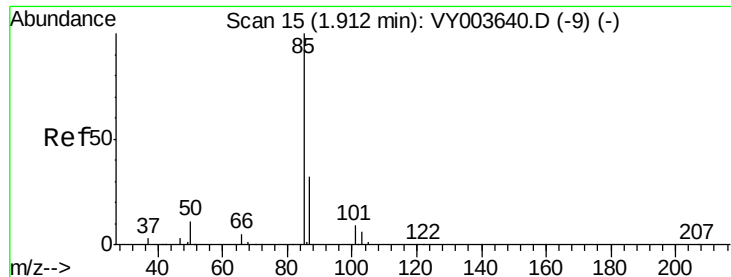
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.696 ug/L

RT: 1.91 min Scan# 15

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampleId :

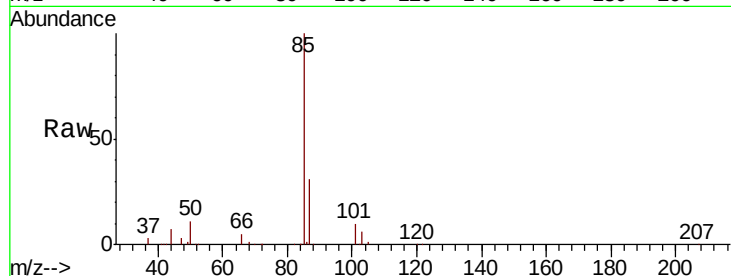
VSTD025410

Tot Ion: 85 Resp: 61611

Ion Ratio Lower Upper

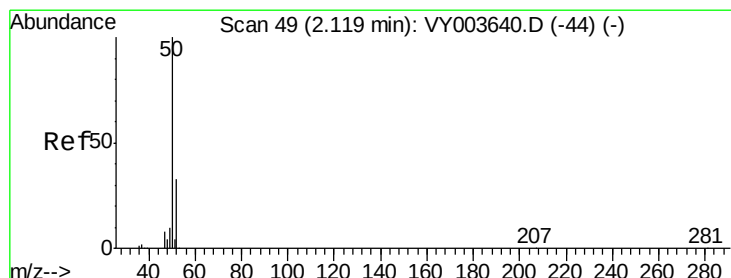
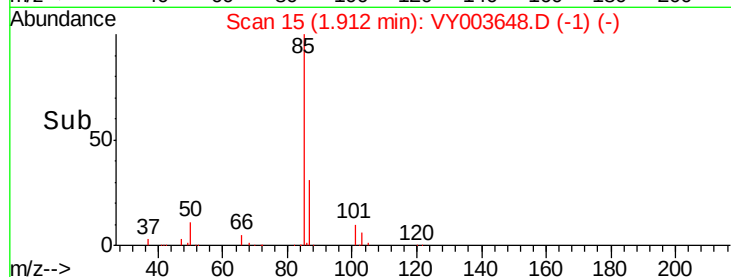
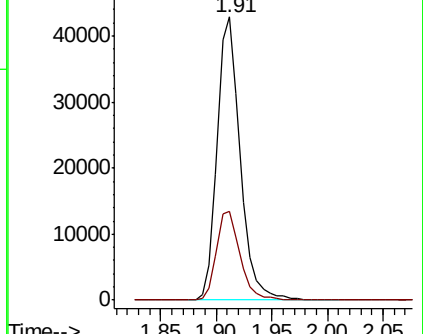
85 100

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



#3

Chloromethane

Concen: 25.672 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003648.D

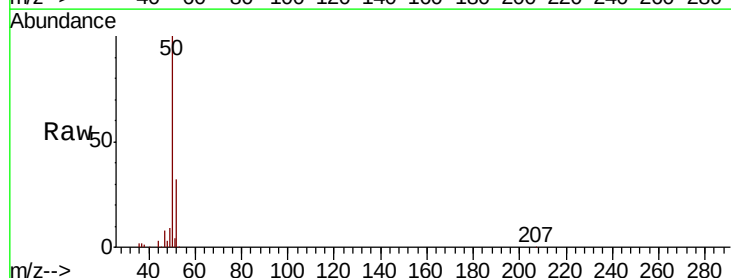
Acq: 02 Dec 2020 13:46

Tgt Ion: 50 Resp: 66753

Ion Ratio Lower Upper

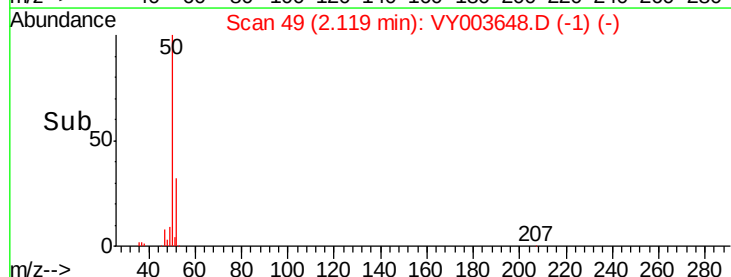
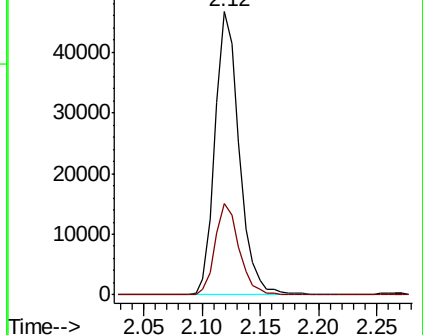
50 100

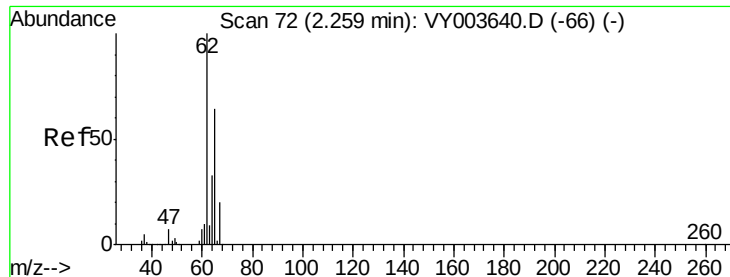
52 32.4 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 26.253 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampleId :

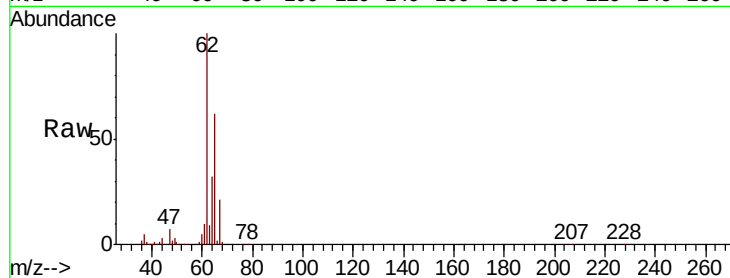
VSTD025410

Tot Ion: 62 Resp: 73249

Ion Ratio Lower Upper

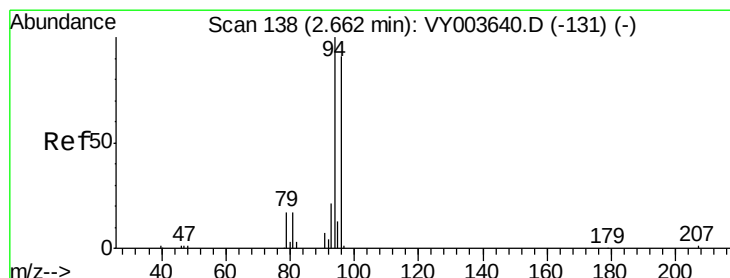
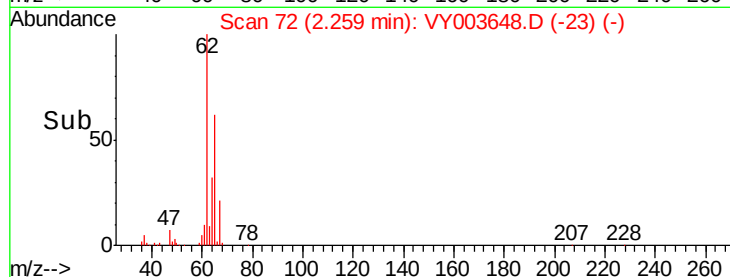
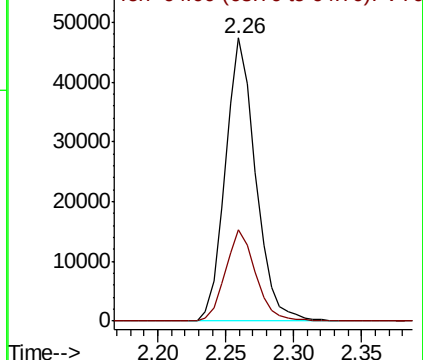
62 100

64 32.2 21.9 40.7



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 26.253 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.00 min

Lab File: VY003648.D

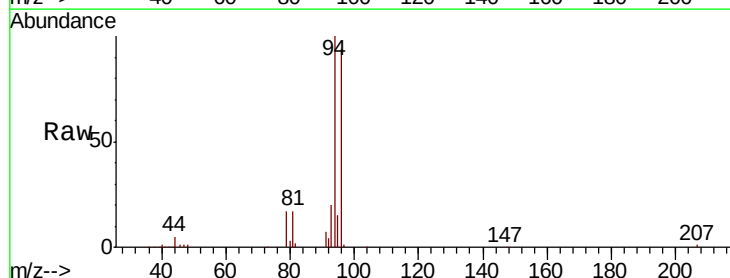
Acq: 02 Dec 2020 13:46

Tgt Ion: 94 Resp: 45863

Ion Ratio Lower Upper

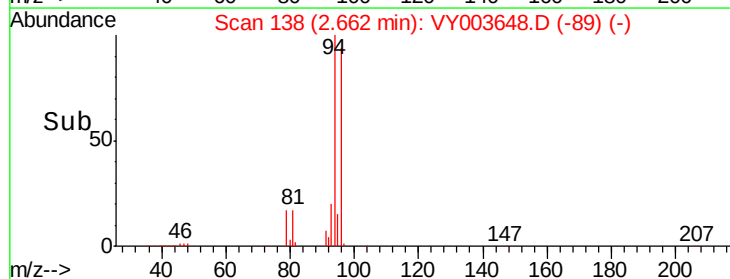
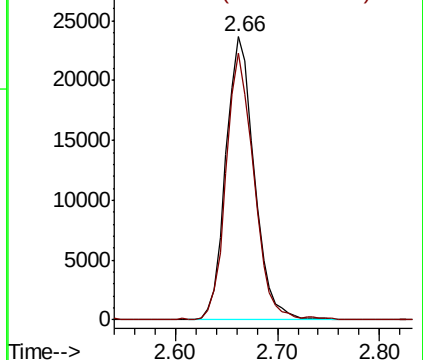
94 100

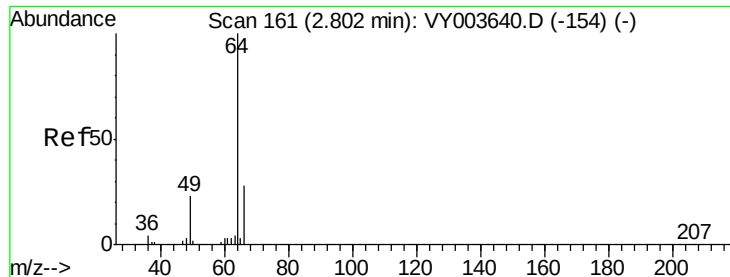
96 94.2 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 25.576 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampleId :

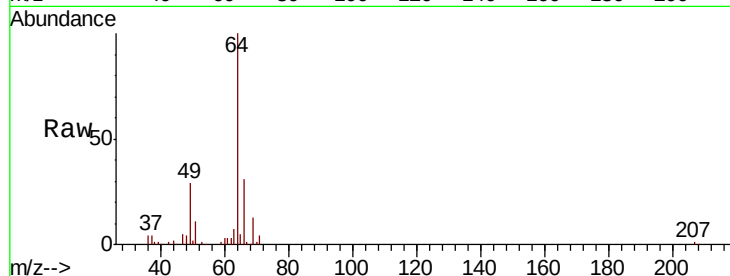
VSTD025410

Tot Ion: 64 Resp: 44555

Ion Ratio Lower Upper

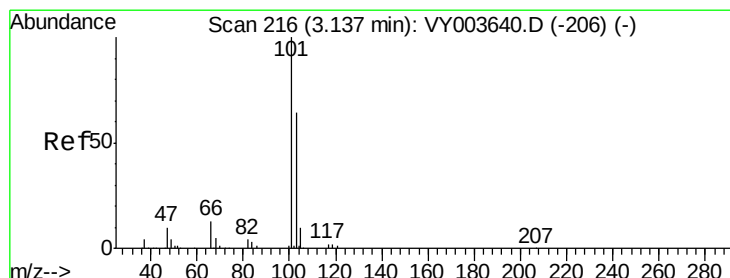
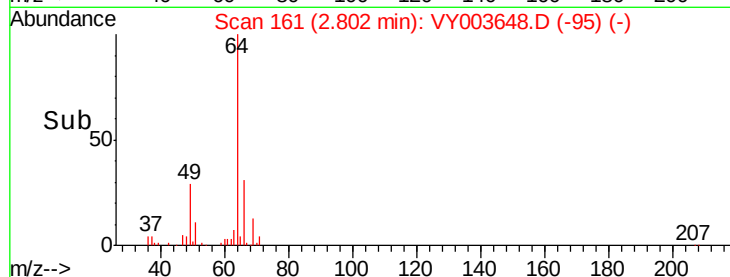
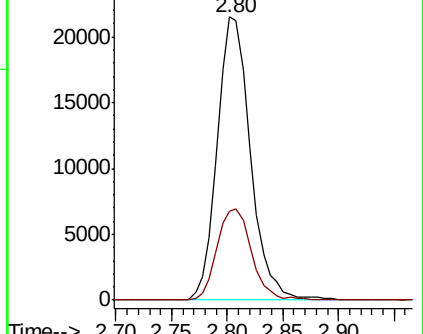
64 100

66 31.4 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 27.182 ug/L

RT: 3.14 min Scan# 216

Delta R.T. 0.00 min

Lab File: VY003648.D

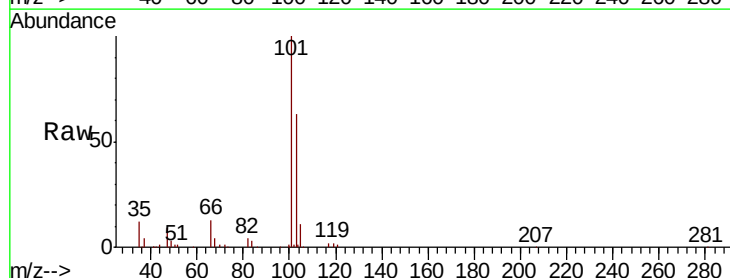
Acq: 02 Dec 2020 13:46

Tgt Ion: 101 Resp: 115097

Ion Ratio Lower Upper

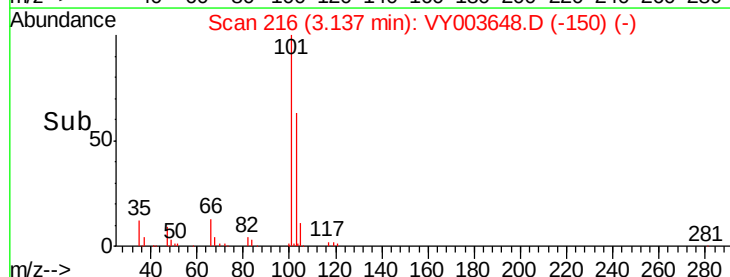
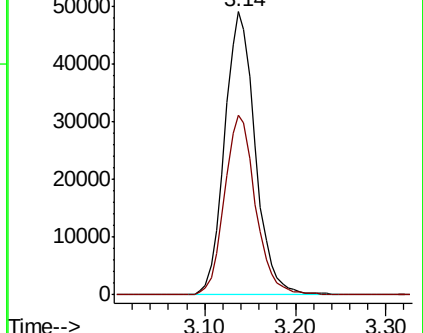
101 100

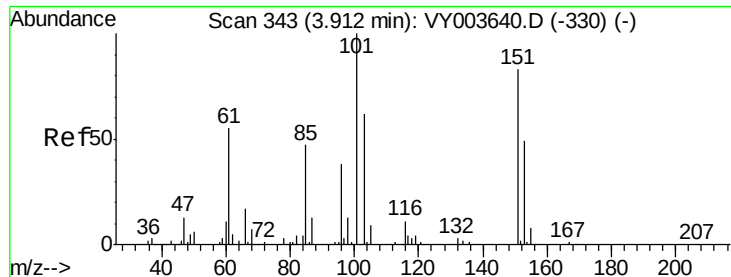
103 63.9 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 26.182 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

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VSTD025410

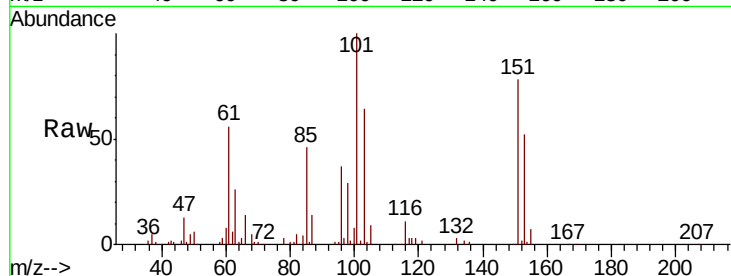
Tot Ion:101 Resp: 74008

Ion Ratio Lower Upper

101 100

85 42.8 35.6 53.4

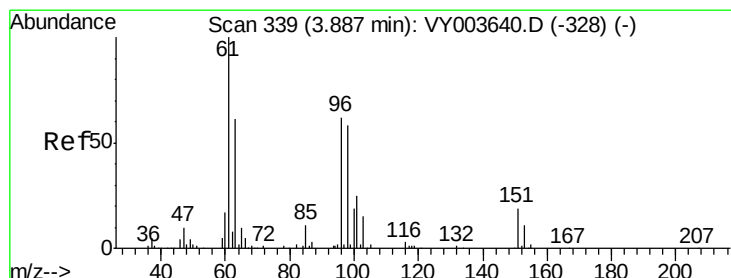
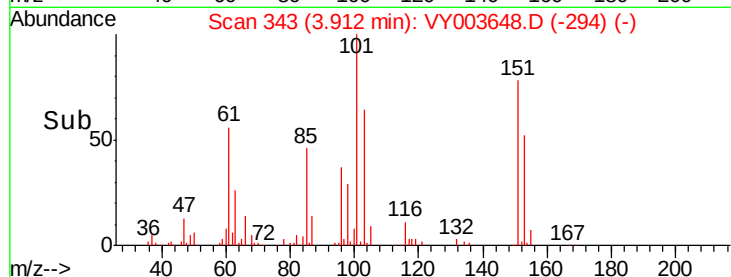
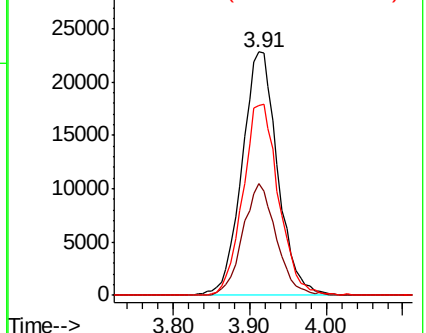
151 78.6 64.2 96.2



Abundance Ion 101.00 (100.70 to 101.70): VY003648.D (-294) (-)

Ion 85.00 (84.70 to 85.70): VY003648.D (-294) (-)

Ion 151.00 (150.70 to 151.70): VY003648.D (-294) (-)



#12

1,1-Dichloroethene

Concen: 26.177 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.01 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

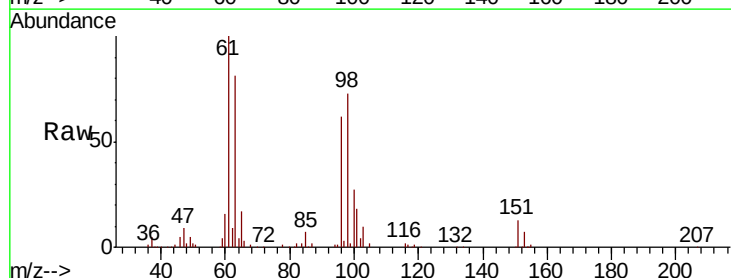
Tgt Ion: 96 Resp: 70297

Ion Ratio Lower Upper

96 100

61 161.9 106.1 197.1

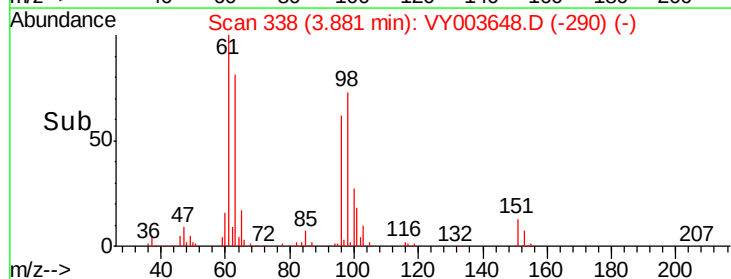
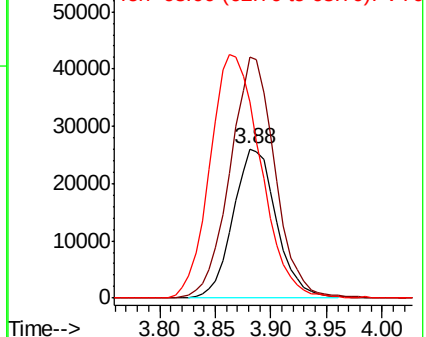
63 131.8 62.9 116.9#

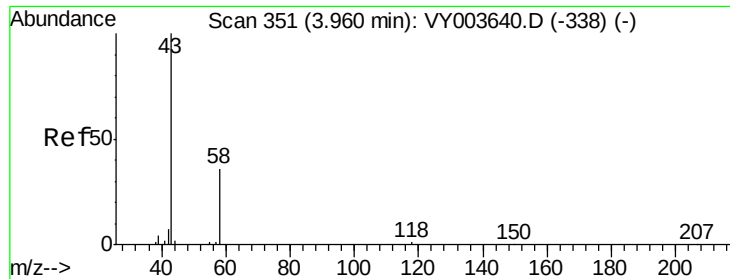


Abundance Ion 96.00 (95.70 to 96.70): VY003648.D (-290) (-)

Ion 61.00 (60.70 to 61.70): VY003648.D (-290) (-)

Ion 63.00 (62.70 to 63.70): VY003648.D (-290) (-)





#13

Acetone

Concen: 59.962 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampleId :

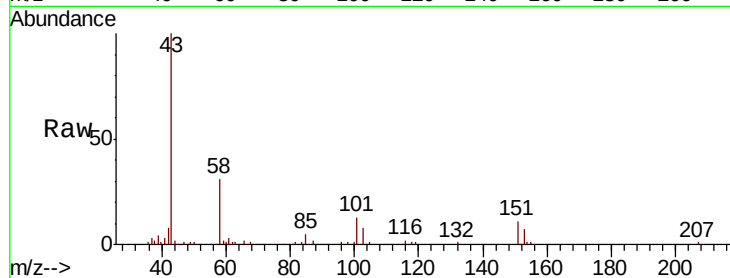
VSTD025410

Tot Ion: 43 Resp: 49797

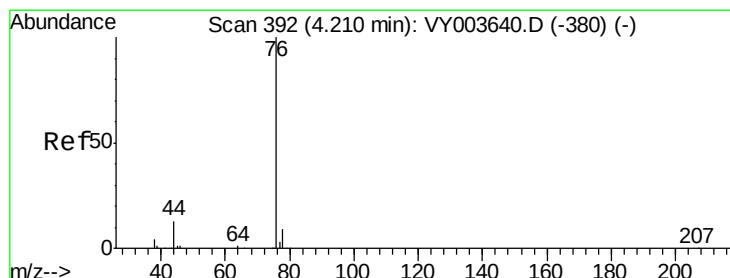
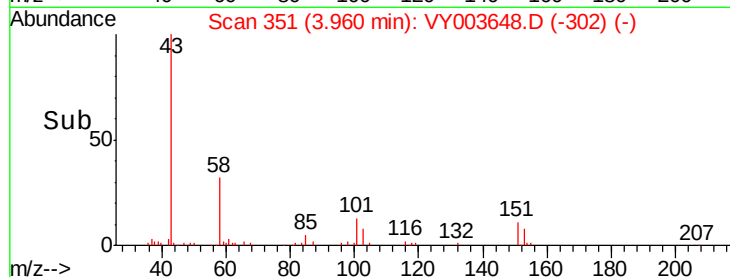
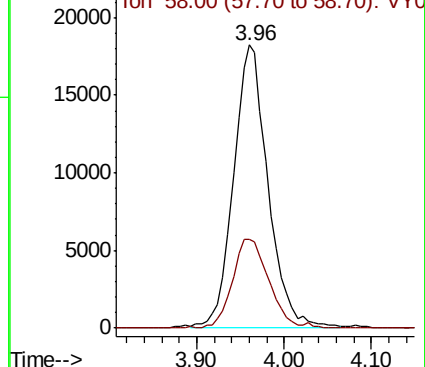
Ion Ratio Lower Upper

43 100

58 33.1 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VY003648.D (-338) (-)



#14

Carbon disulfide

Concen: 26.457 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.01 min

Lab File: VY003648.D

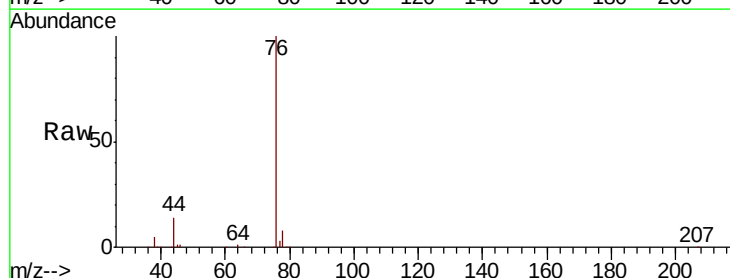
Acq: 02 Dec 2020 13:46

Tgt Ion: 76 Resp: 234707

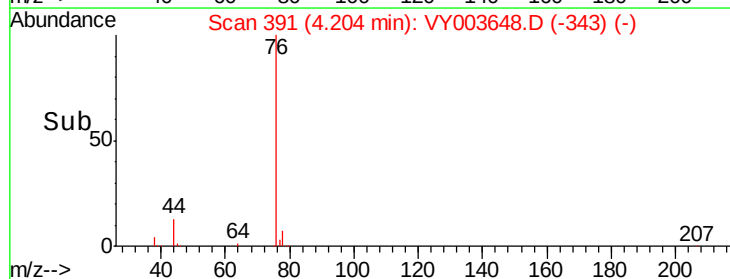
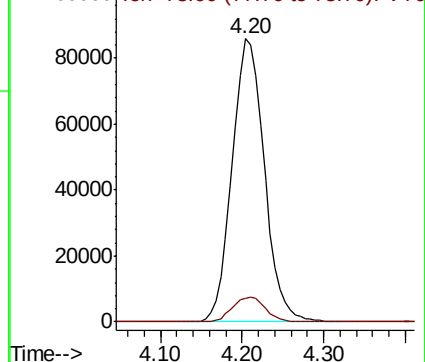
Ion Ratio Lower Upper

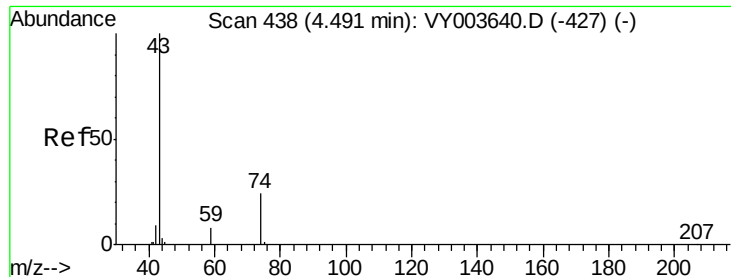
76 100

78 8.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY003648.D (-343) (-)

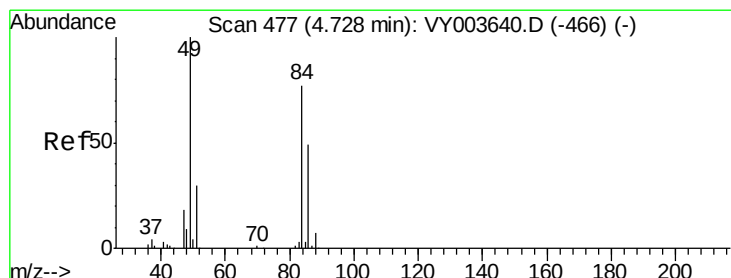
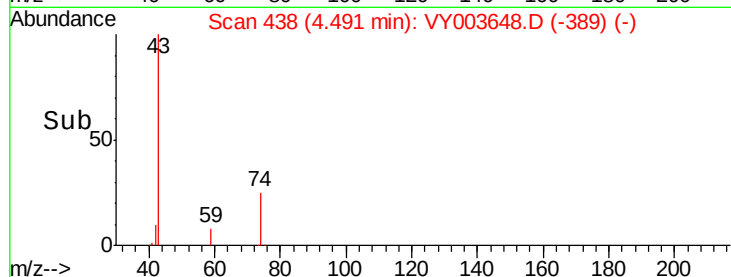
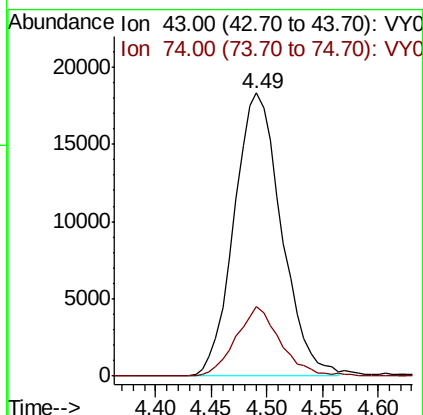
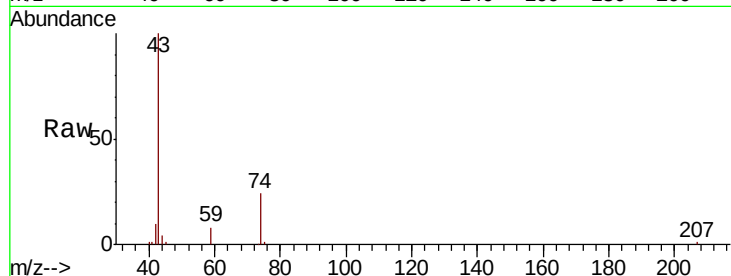




#15
Methyl Acetate
Concen: 27.066 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.00 min
Lab File: VY003648.D
Acq: 02 Dec 2020 13:46

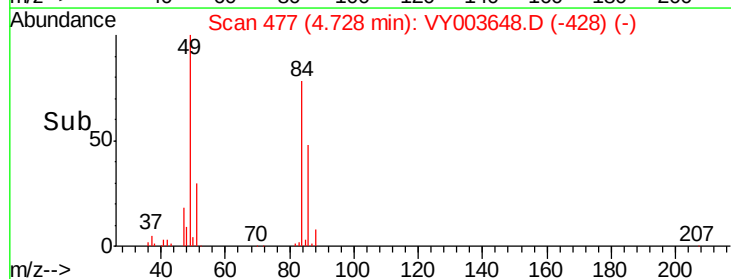
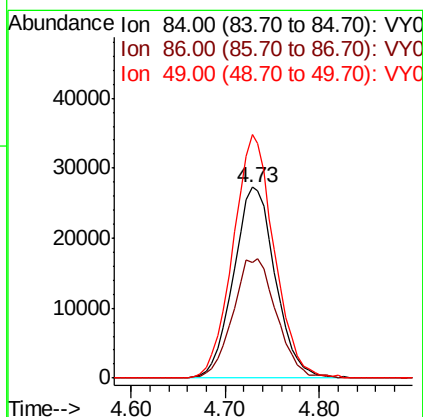
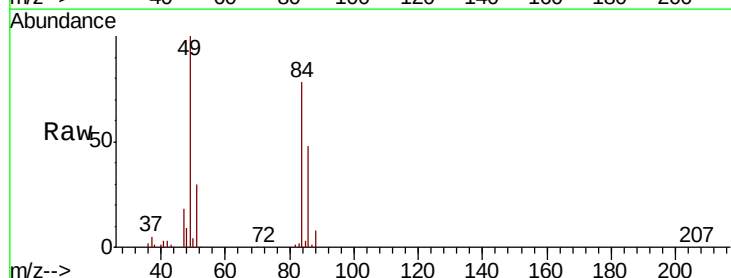
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025410

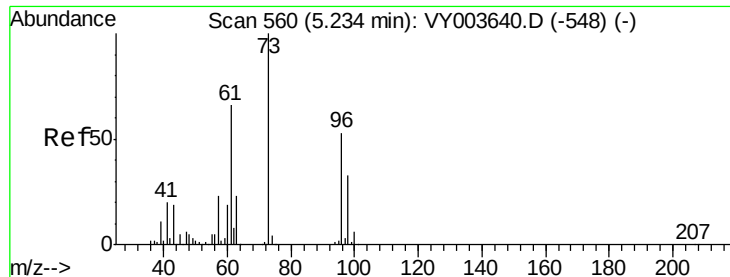
Tot Ion: 43 Resp: 54129
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.2



#16
Methylene chloride
Concen: 24.264 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003648.D
Acq: 02 Dec 2020 13:46

Tgt Ion: 84 Resp: 84618
Ion Ratio Lower Upper
84 100
86 60.6 43.3 80.3
49 127.4 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 25.678 ug/L

RT: 5.23 min Scan# 560

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampled :

VSTD025410

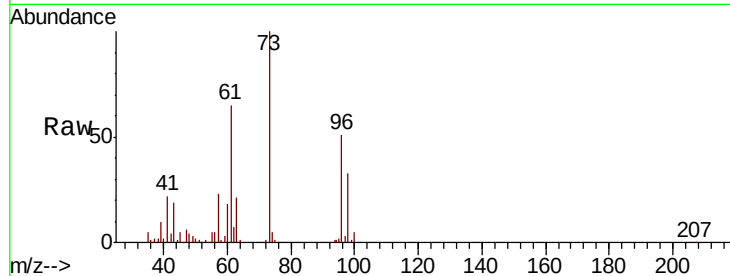
Tot Ion: 96 Resp: 75732

Ion Ratio Lower Upper

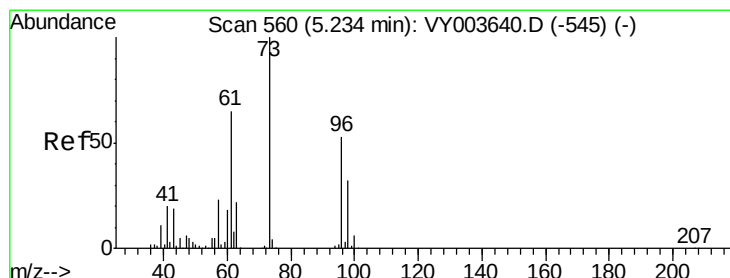
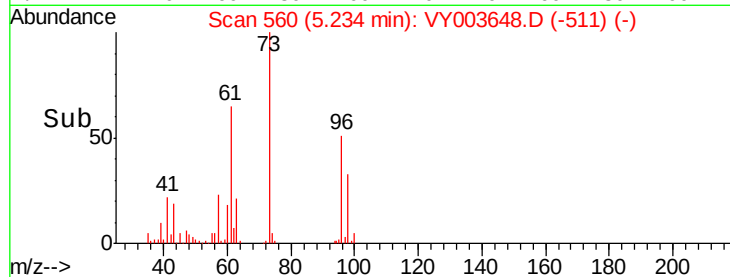
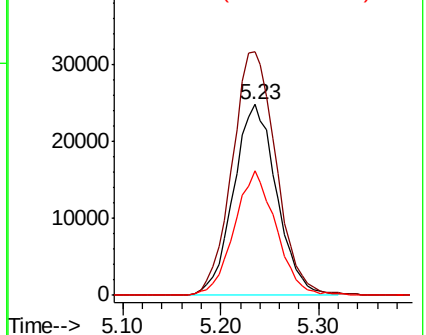
96 100

61 127.5 89.5 166.1

98 65.2 45.5 84.5



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: 24.930 ug/L

RT: 5.23 min Scan# 560

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

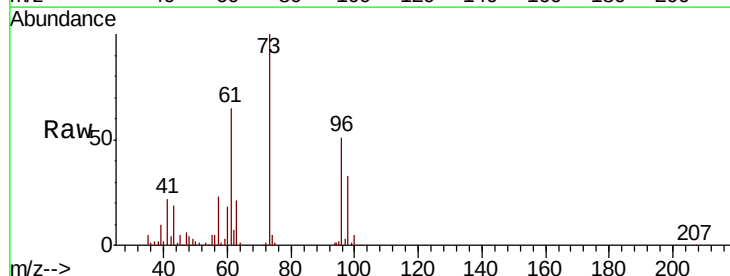
Tgt Ion: 73 Resp: 179700

Ion Ratio Lower Upper

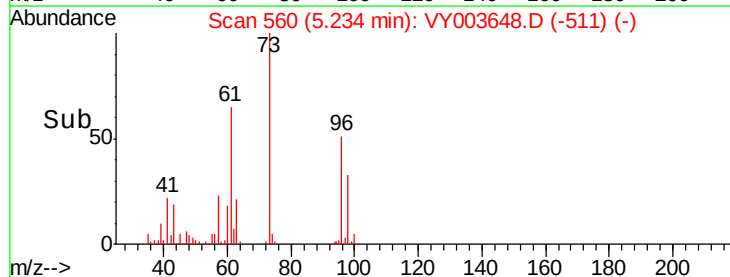
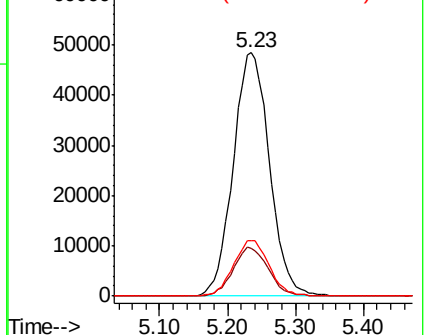
73 100

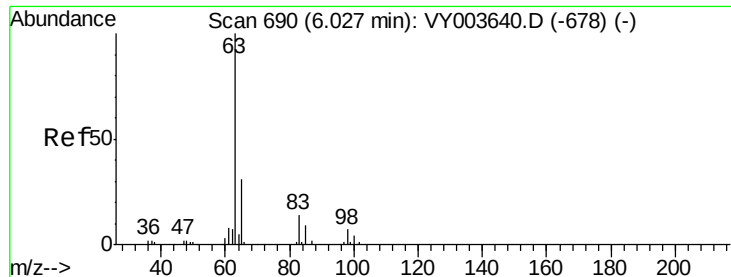
43 19.3 15.2 22.8

57 22.5 18.1 27.1



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: 25.552 ug/L

RT: 6.03 min Scan# 691

Delta R.T. 0.01 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025410

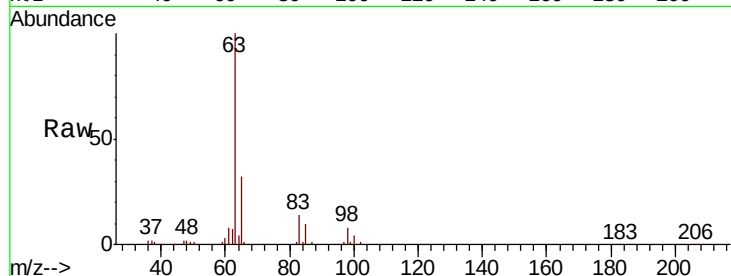
Tot Ion: 63 Resp: 126857

Ion Ratio Lower Upper

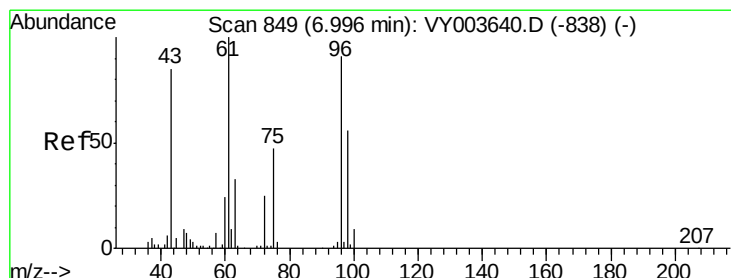
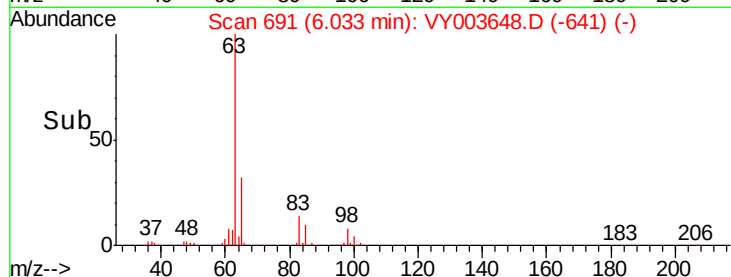
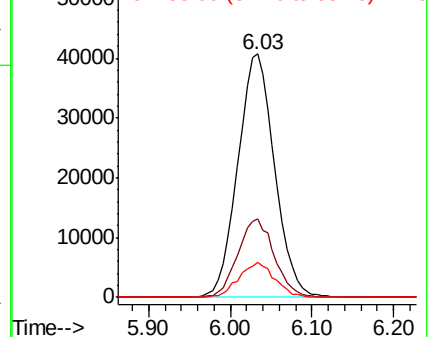
63 100

65 32.1 21.9 40.7

83 14.2 9.5 17.7



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



#20

cis-1,2-Dichloroethene

Concen: 25.851 ug/L

RT: 7.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

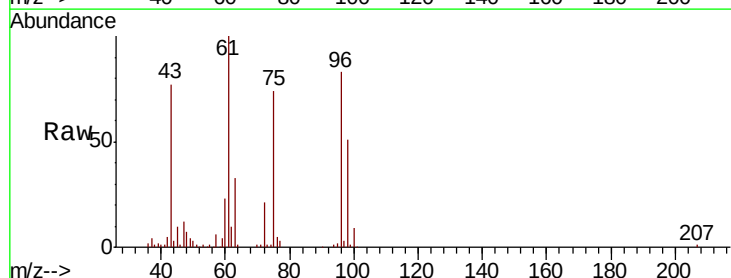
Tgt Ion: 96 Resp: 79958

Ion Ratio Lower Upper

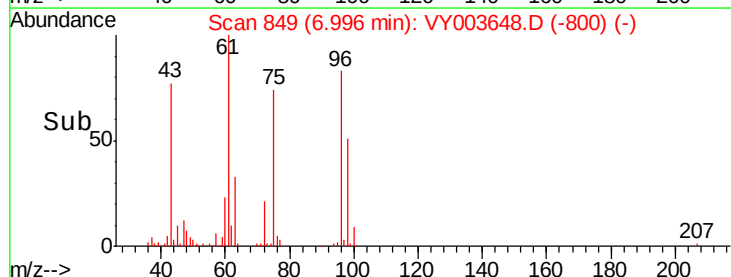
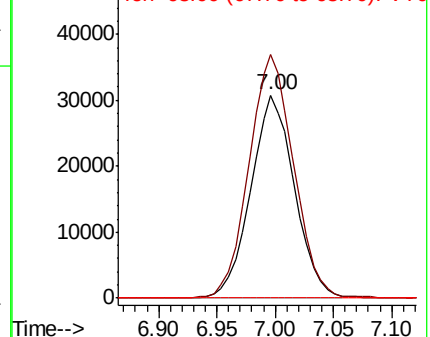
96 100

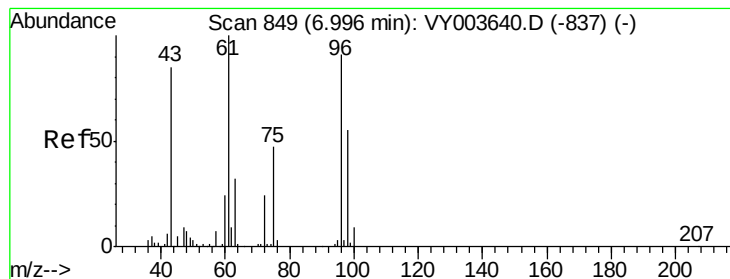
61 120.1 85.8 159.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 68.00 (67.70 to 68.70): VY0





#22

2-Butanone

Concen: 56.046 ug/L

RT: 7.00 min Scan# 850

Delta R.T. 0.01 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampleId :

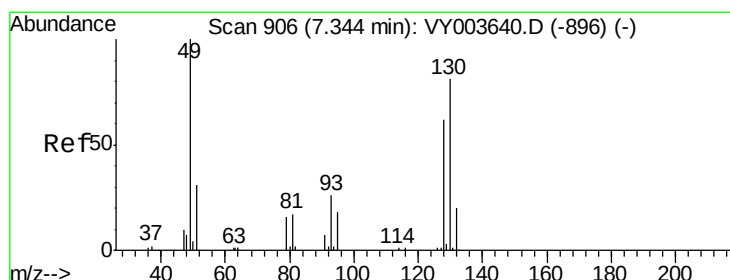
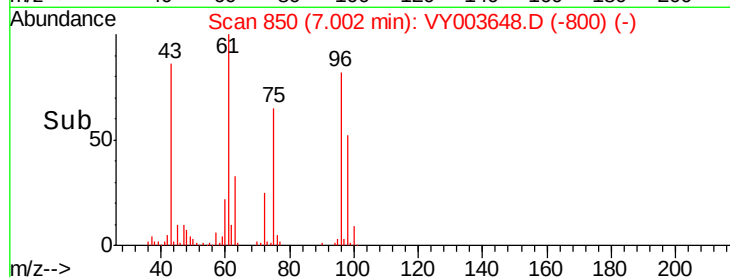
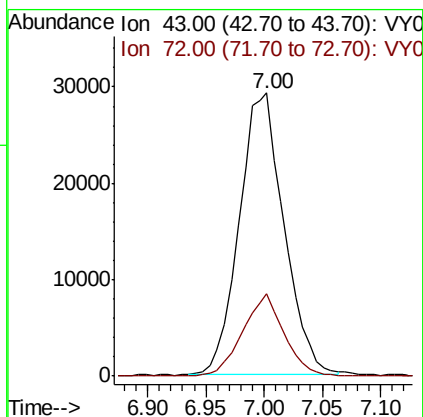
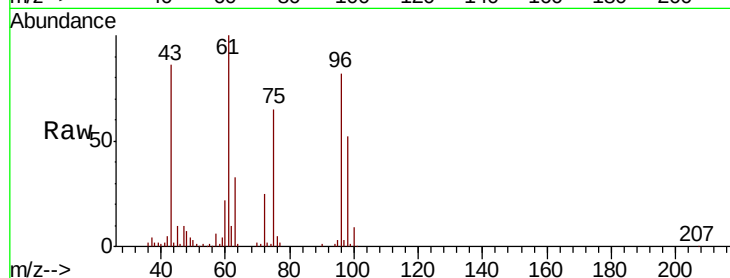
VSTD025410

Tot Ion: 43 Resp: 78250

Ion Ratio Lower Upper

43 100

72 27.0 13.5 40.5



#23

Bromochloromethane

Concen: 25.287 ug/L

RT: 7.34 min Scan# 906

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Tgt Ion:128 Resp: 38143

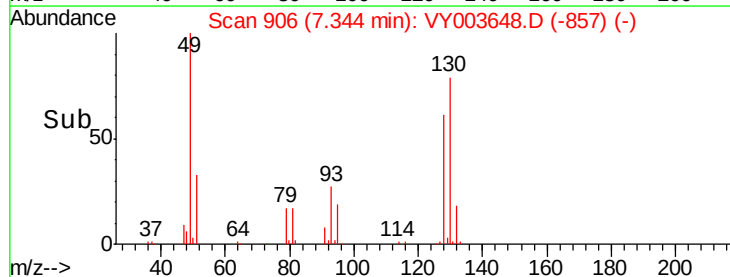
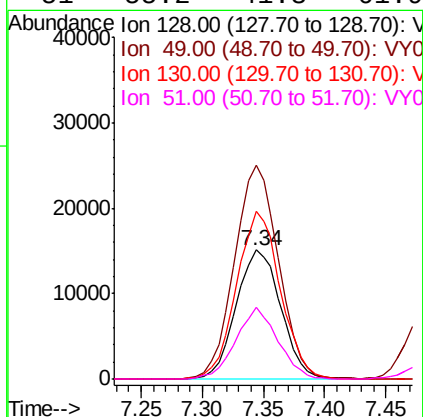
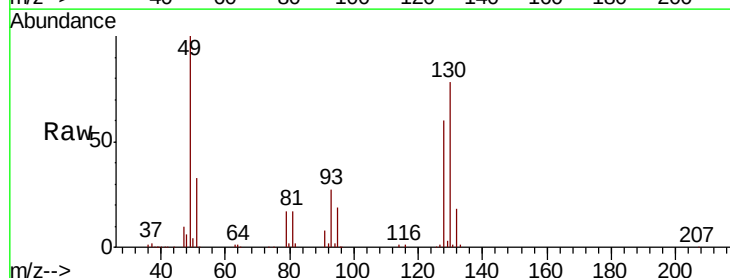
Ion Ratio Lower Upper

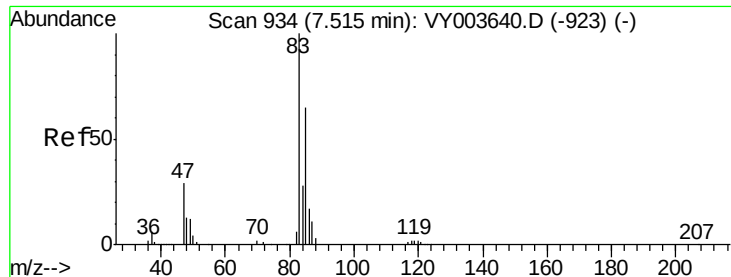
128 100

49 165.7 118.1 219.3

130 129.7 90.5 168.1

51 55.2 41.3 61.9





#25

Chloroform

Concen: 25.856 ug/L

RT: 7.51 min Scan# 934

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampleId :

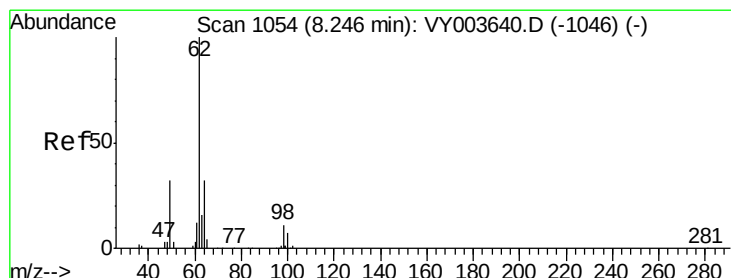
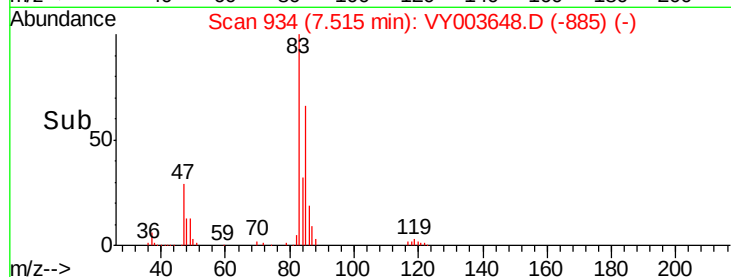
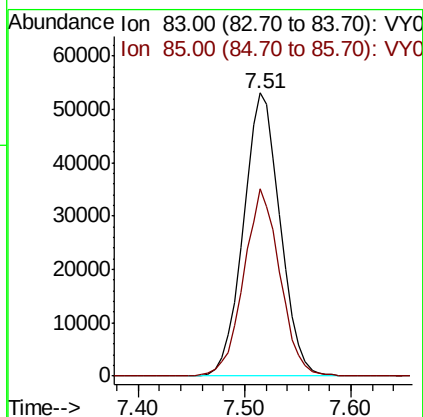
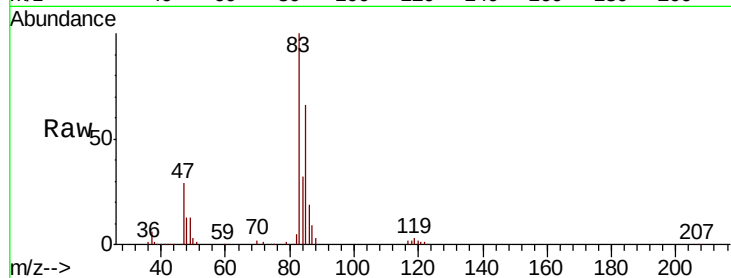
VSTD025410

Tot Ion: 83 Resp: 128606

Ion Ratio Lower Upper

83 100

85 66.0 44.4 82.4



#27

1,2-Dichloroethane

Concen: 25.634 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY003648.D

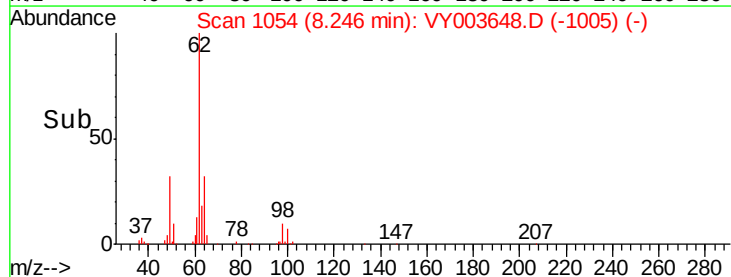
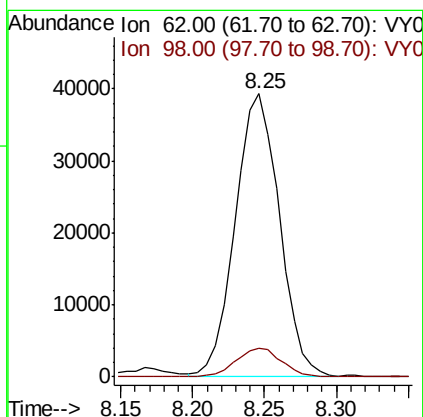
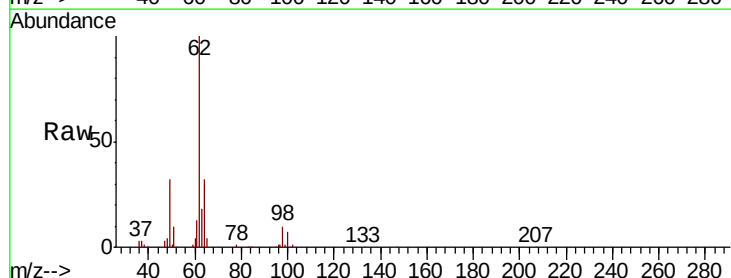
Acq: 02 Dec 2020 13:46

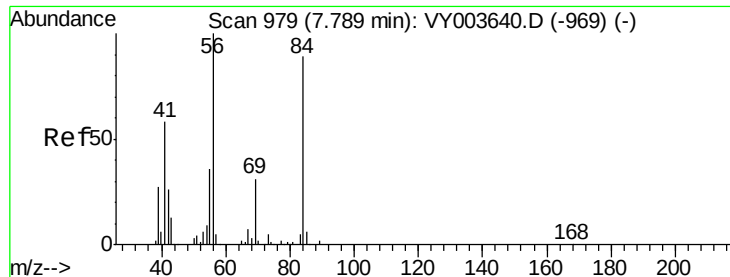
Tgt Ion: 62 Resp: 83925

Ion Ratio Lower Upper

62 100

98 10.2 7.5 11.3

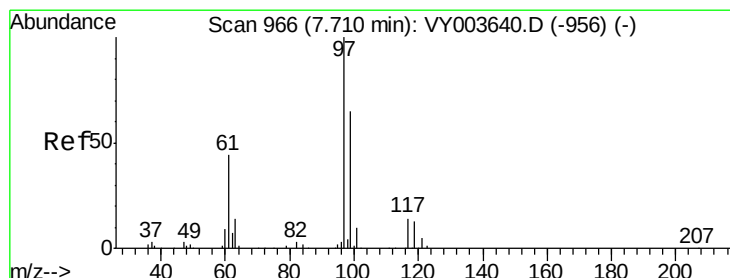
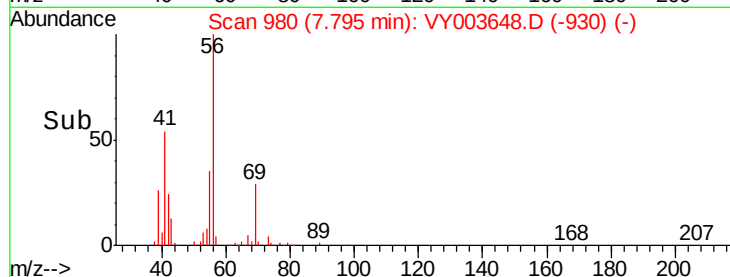
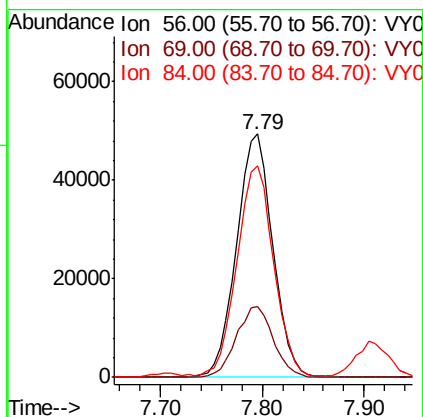
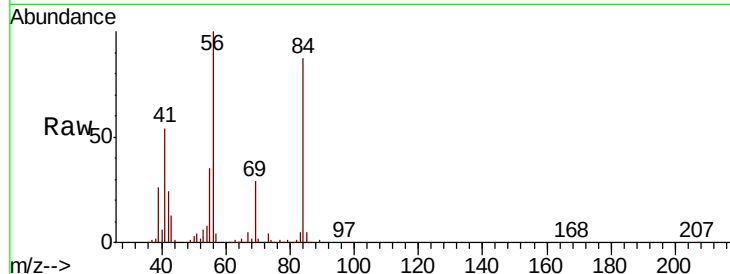




#29
Cyclohexane
Concen: 27.057 ug/L
RT: 7.79 min Scan# 980
Delta R.T. 0.01 min
Lab File: VY003648.D
Acq: 02 Dec 2020 13:46

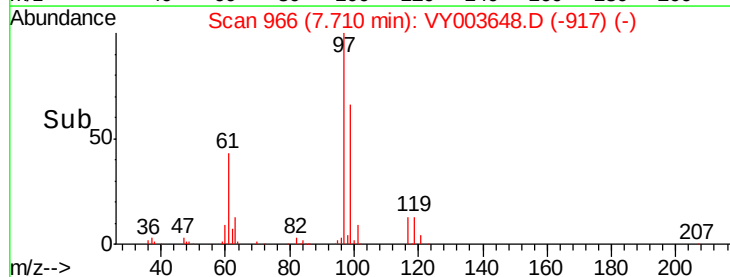
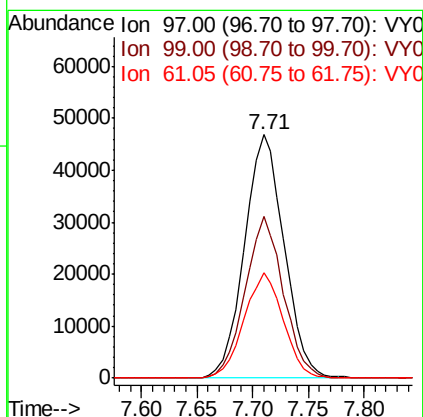
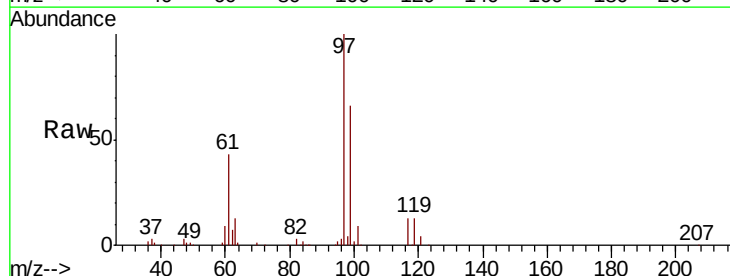
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025410

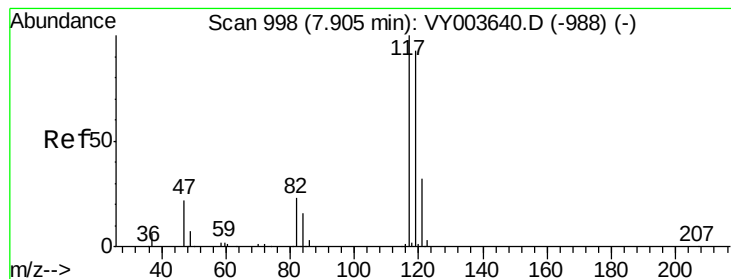
Tot Ion: 56 Resp: 121914
Ion Ratio Lower Upper
56 100
69 29.8 23.9 35.9
84 88.3 71.9 107.9



#30
1,1,1-Trichloroethane
Concen: 26.801 ug/L
RT: 7.71 min Scan# 966
Delta R.T. 0.00 min
Lab File: VY003648.D
Acq: 02 Dec 2020 13:46

Tgt Ion: 97 Resp: 115957
Ion Ratio Lower Upper
97 100
99 64.2 50.6 76.0
61 42.8 34.3 51.5





#31

Carbon tetrachloride

Concen: 27.376 ug/L

RT: 7.90 min Scan# 998

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampleId :

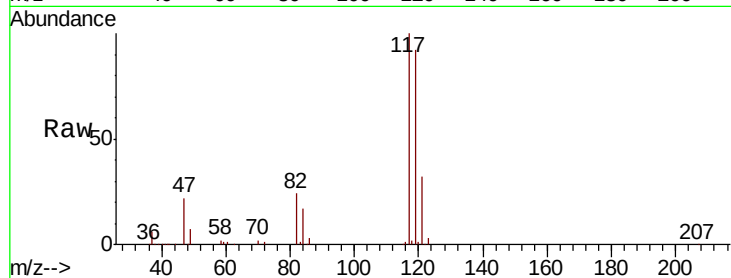
VSTD025410

Tot Ion:117 Resp: 106909

Ion Ratio Lower Upper

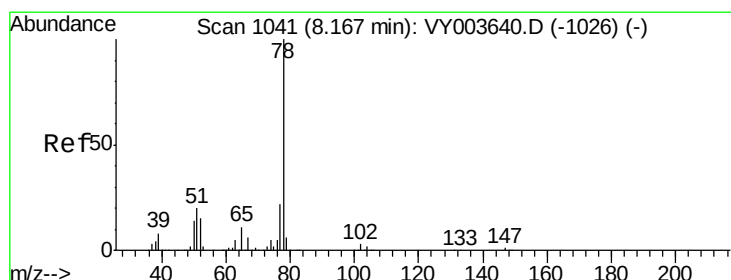
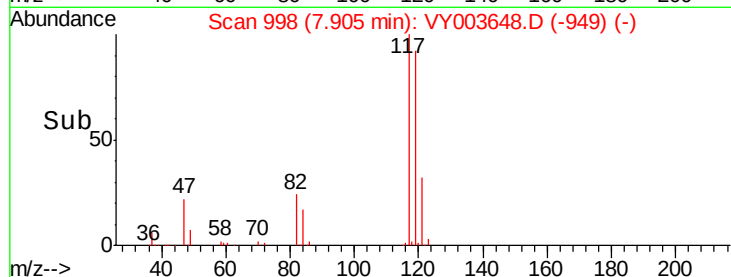
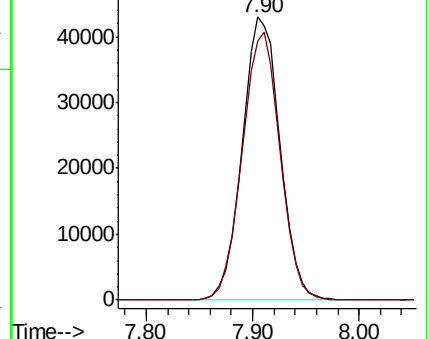
117 100

119 94.8 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 26.309 ug/L

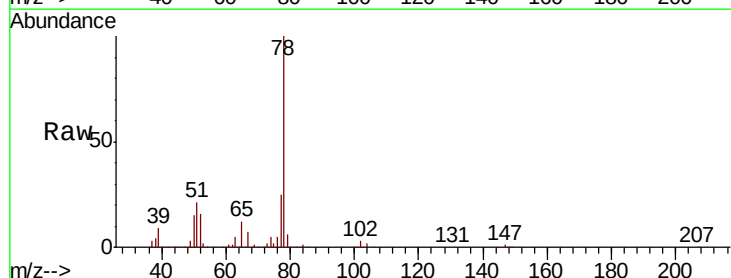
RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

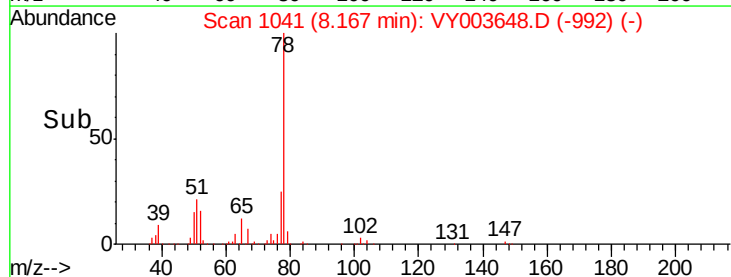
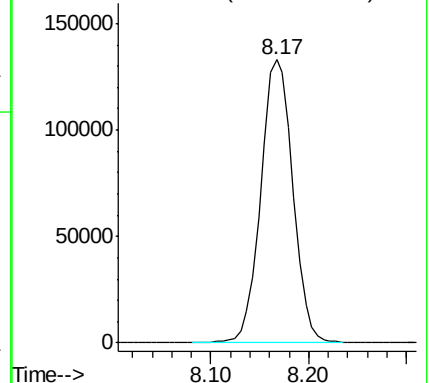
Lab File: VY003648.D

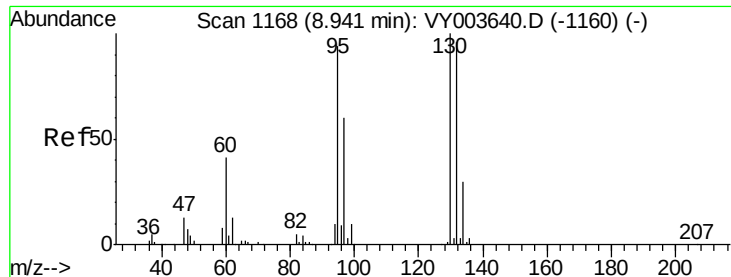
Acq: 02 Dec 2020 13:46

Tgt Ion: 78 Resp: 305157



Abundance Ion 78.00 (77.70 to 78.70): VY0





#34

Trichloroethene

Concen: 26.053 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025410

Tot Ion: 95 Resp: 75426

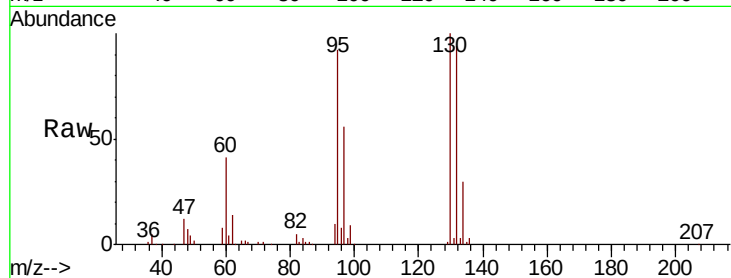
Ion Ratio Lower Upper

95 100

97 60.4 44.7 83.1

132 101.6 74.7 138.7

130 108.2 76.8 142.6

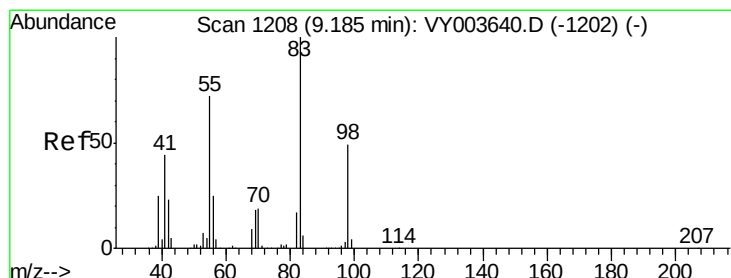
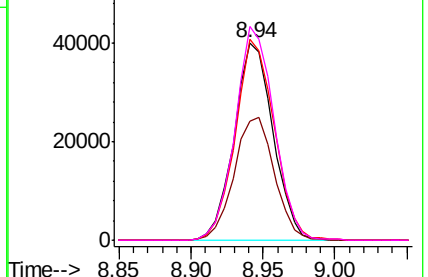
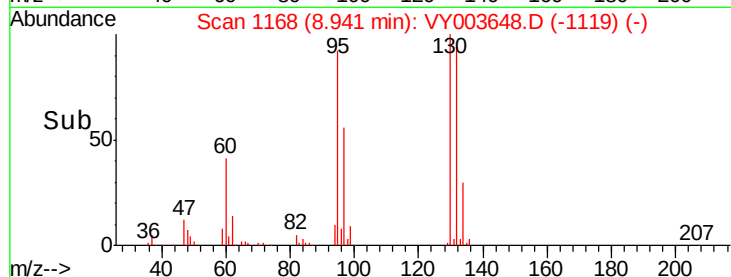


Abundance Ion 95.00 (94.70 to 95.70): VY0

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



#35

Methylcyclohexane

Concen: 26.846 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

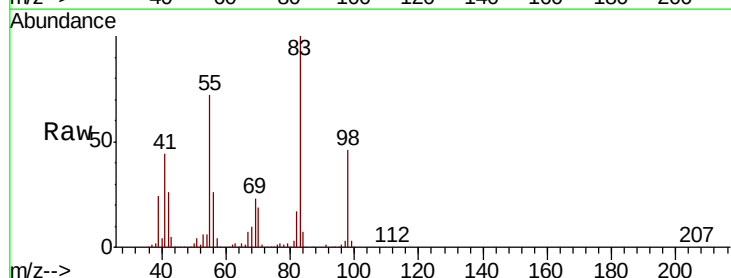
Tgt Ion: 83 Resp: 132894

Ion Ratio Lower Upper

83 100

55 72.9 58.3 87.5

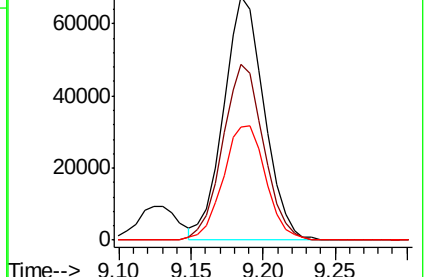
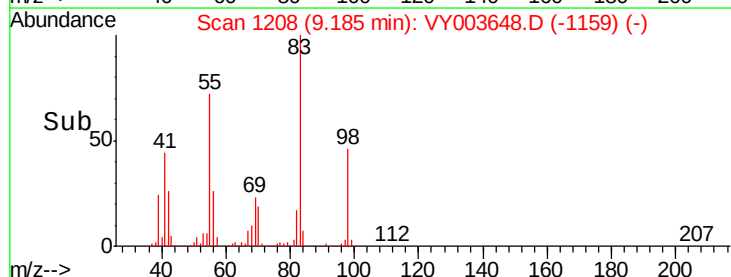
98 49.1 39.0 58.6

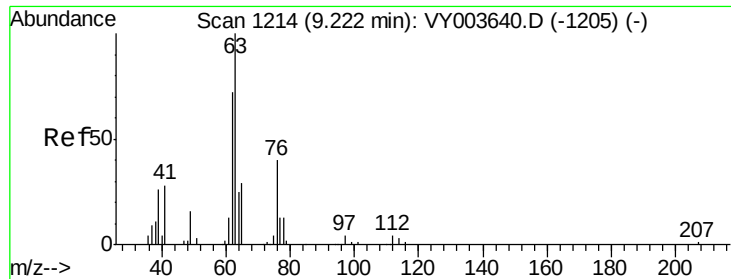


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

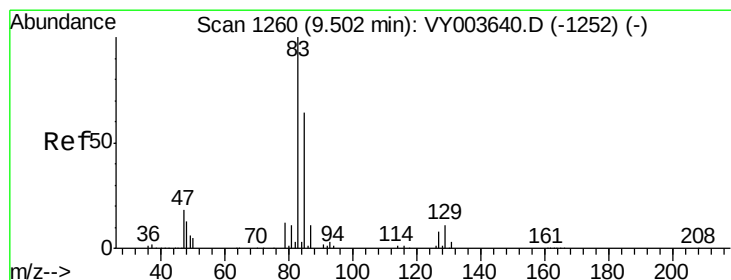
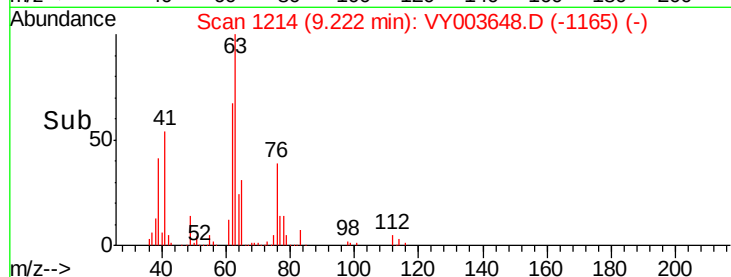
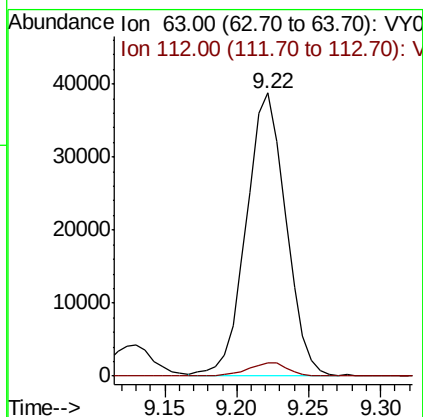
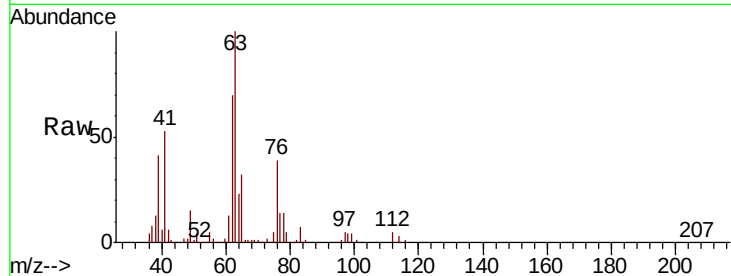




#37
 1,2-Dichloropropane
 Concen: 25.215 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: VY003648.D
 Acq: 02 Dec 2020 13:46

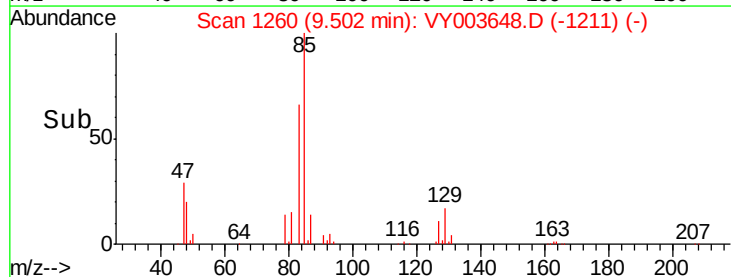
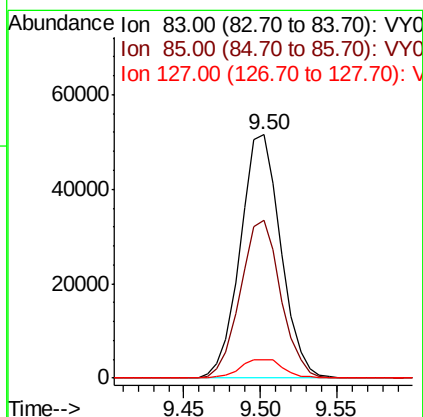
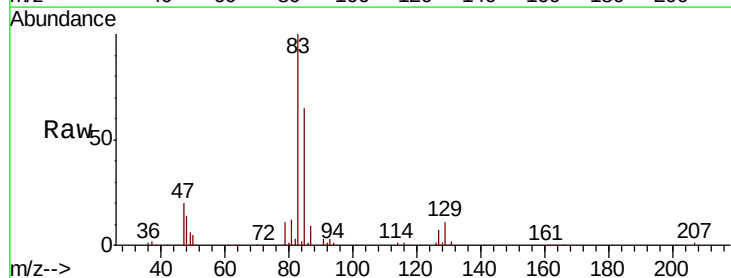
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025410

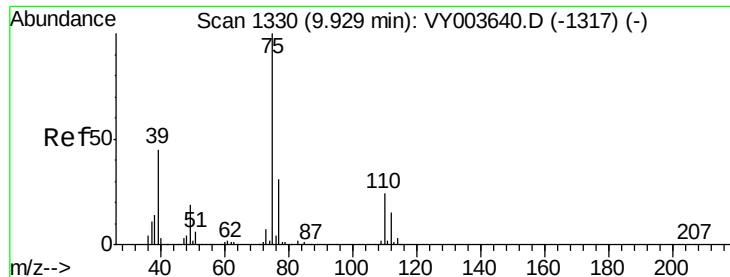
Tot Ion: 63 Resp: 74238
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#38
 Bromodichloromethane
 Concen: 25.631 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VY003648.D
 Acq: 02 Dec 2020 13:46

Tgt Ion: 83 Resp: 94994
 Ion Ratio Lower Upper
 83 100
 85 64.9 43.1 80.1
 127 7.4 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 25.812 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampleId :

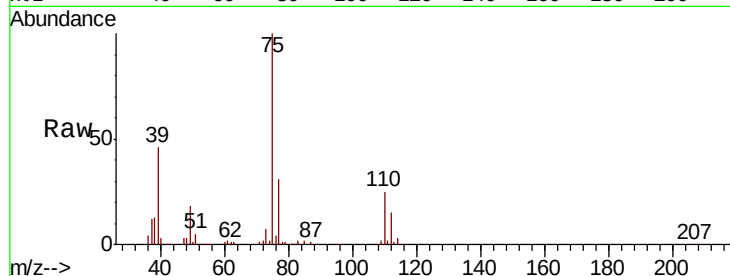
VSTD025410

Tot Ion: 75 Resp: 117410

Ion Ratio Lower Upper

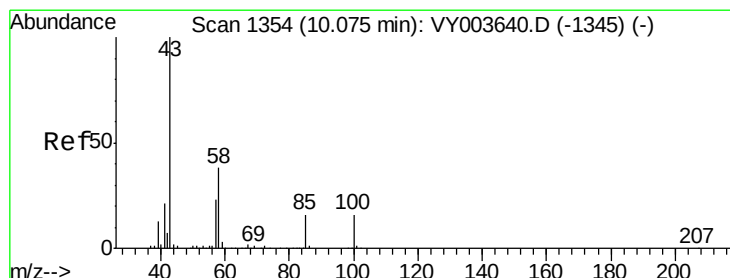
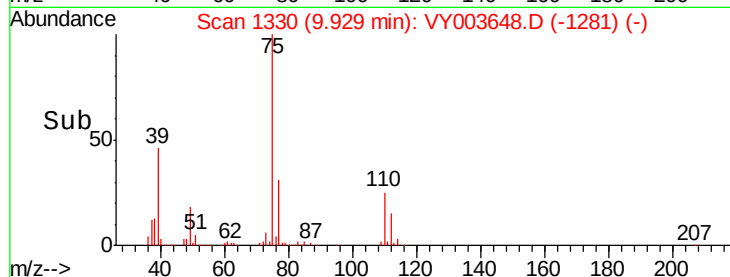
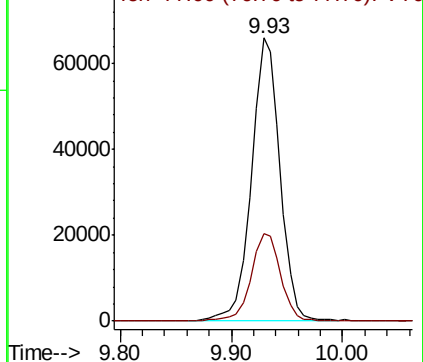
75 100

77 30.8 23.5 43.7



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: 56.069 ug/L

RT: 10.08 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

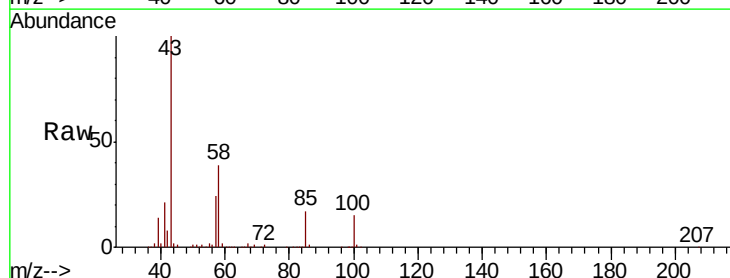
Tgt Ion: 43 Resp: 144939

Ion Ratio Lower Upper

43 100

58 39.0 30.7 46.1

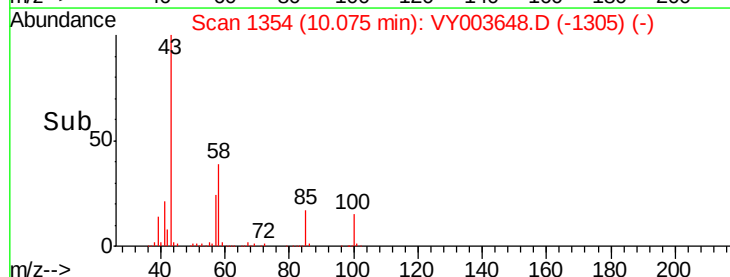
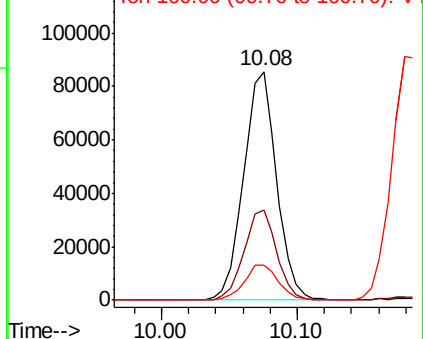
100 15.9 12.1 18.1

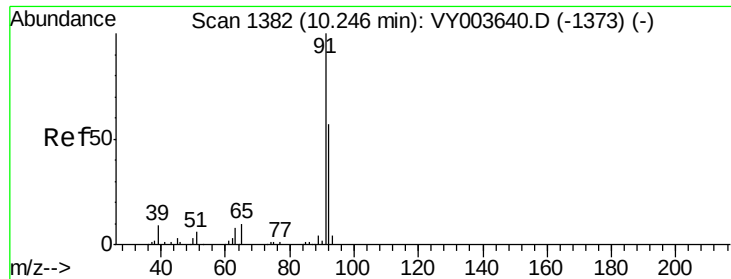


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#42

Toluene

Concen: 26.352 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampleId :

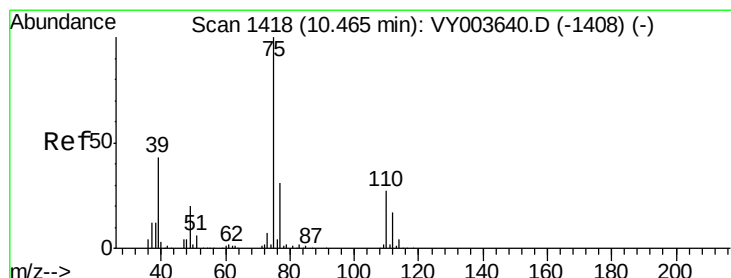
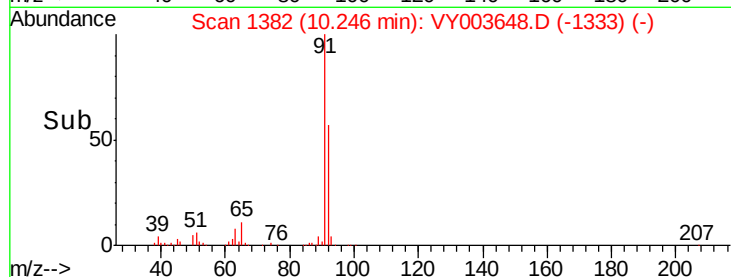
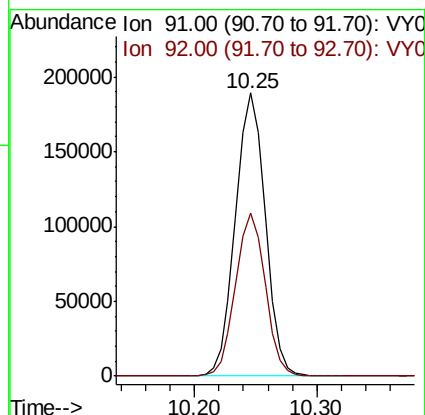
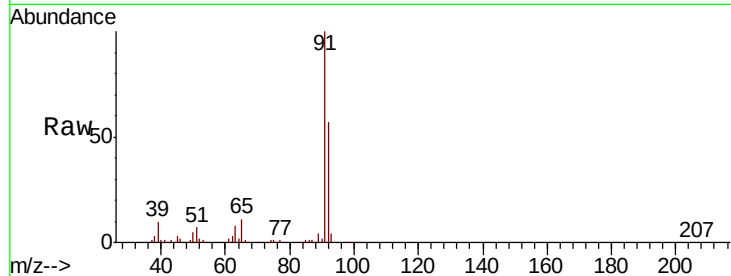
VSTD025410

Tot Ion: 91 Resp: 321103

Ion Ratio Lower Upper

91 100

92 57.5 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 25.710 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003648.D

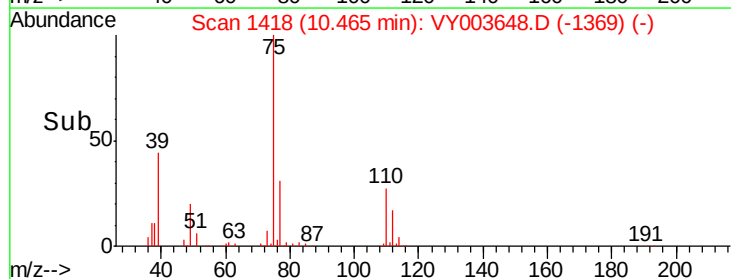
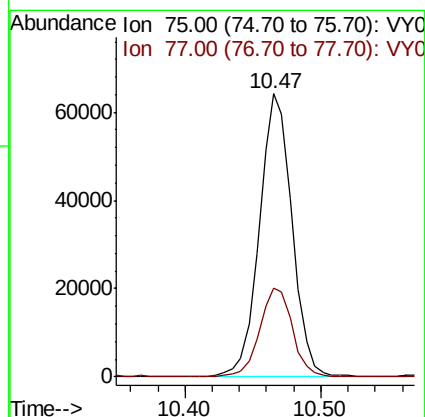
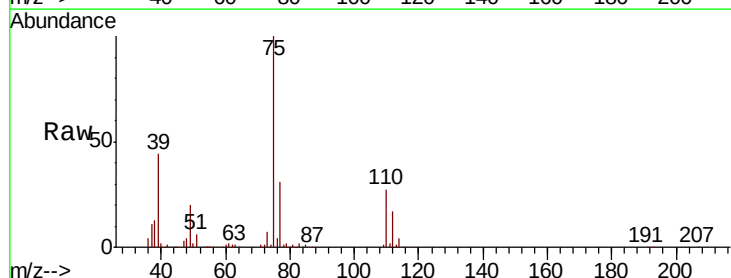
Acq: 02 Dec 2020 13:46

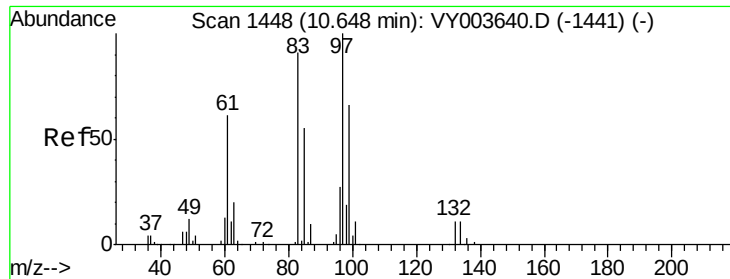
Tgt Ion: 75 Resp: 107948

Ion Ratio Lower Upper

75 100

77 31.4 22.9 42.5

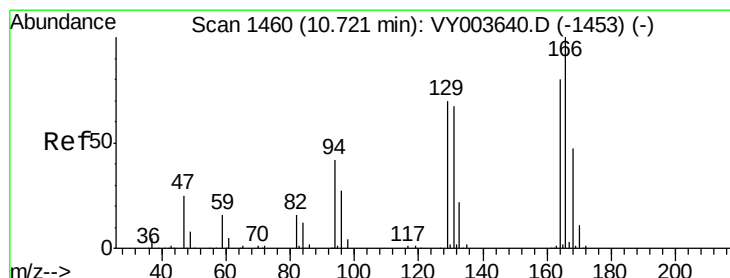
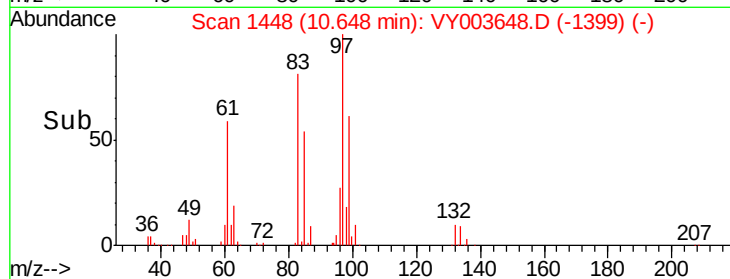
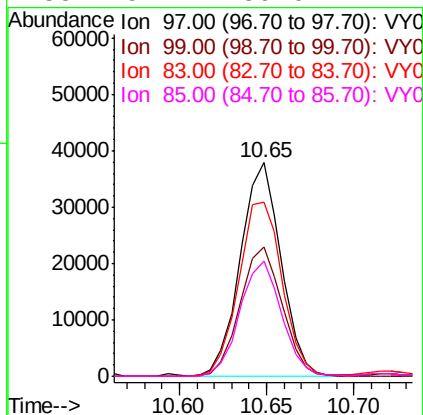
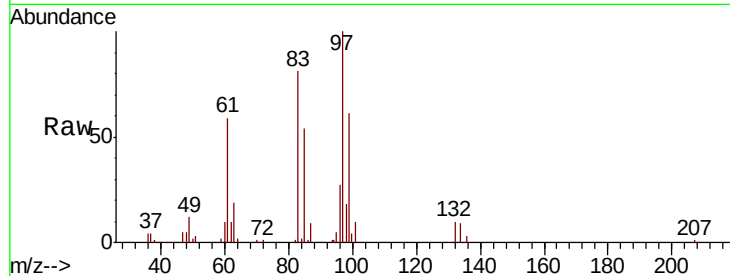




#45
 1,1,2-Trichloroethane
 Concen: 24.858 ug/L
 RT: 10.65 min Scan# 1448
 Delta R.T. 0.00 min
 Lab File: VY003648.D
 Acq: 02 Dec 2020 13:46

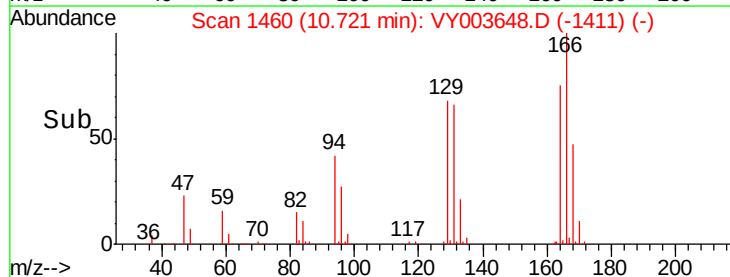
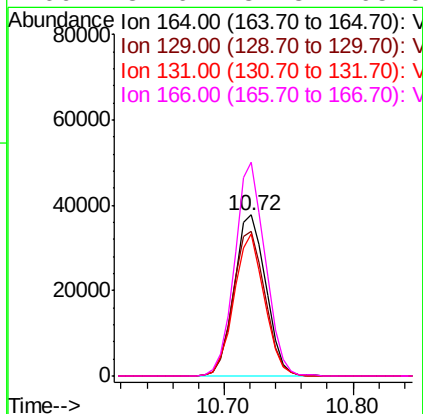
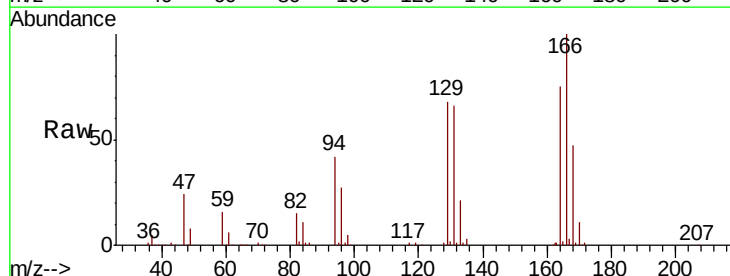
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025410

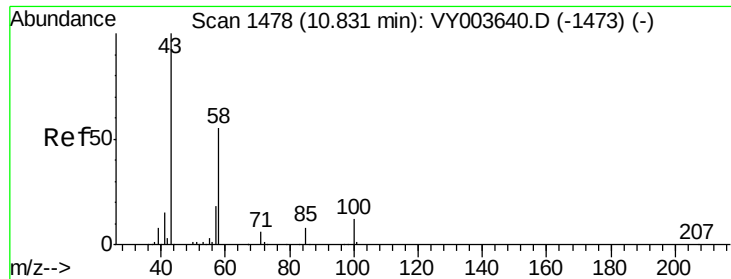
Tot Ion: 97 Resp: 61464
 Ion Ratio Lower Upper
 97 100
 99 60.7 45.1 83.9
 83 81.5 59.7 110.9
 85 54.2 39.0 72.4



#46
 Tetrachloroethene
 Concen: 26.036 ug/L
 RT: 10.72 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: VY003648.D
 Acq: 02 Dec 2020 13:46

Tgt Ion: 164 Resp: 64515
 Ion Ratio Lower Upper
 164 100
 129 90.1 58.9 109.5
 131 87.8 59.0 109.6
 166 132.6 87.8 163.0

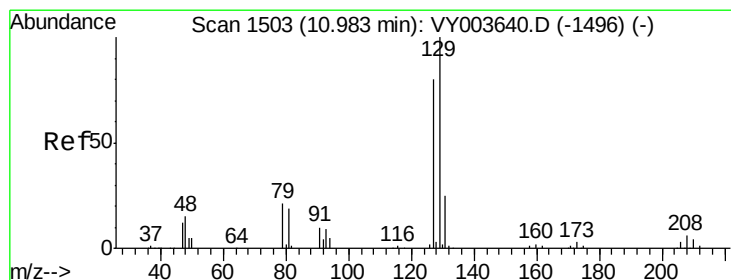
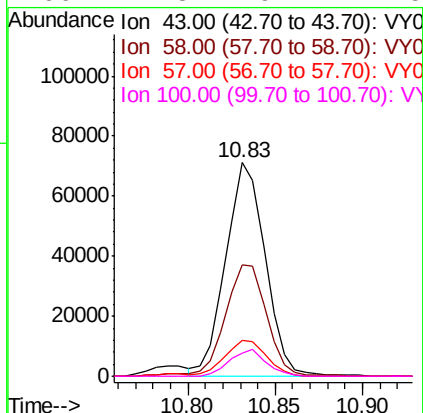
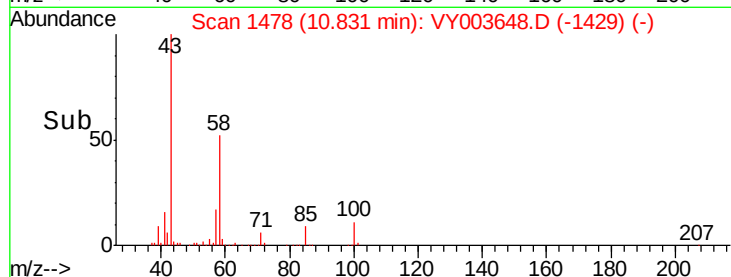
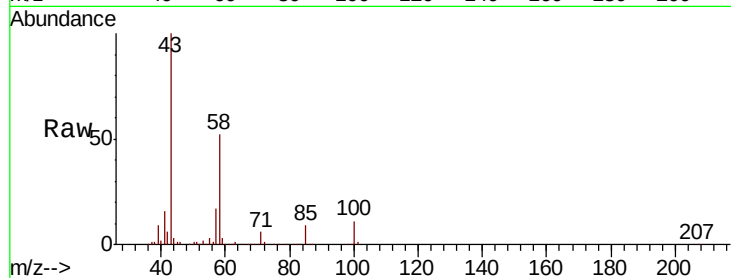




#48
2-Hexanone
Concen: 59.574 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003648.D
Acq: 02 Dec 2020 13:46

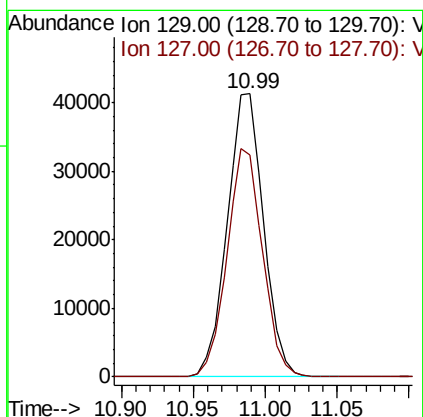
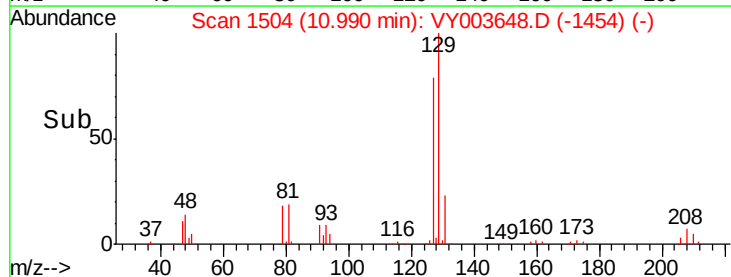
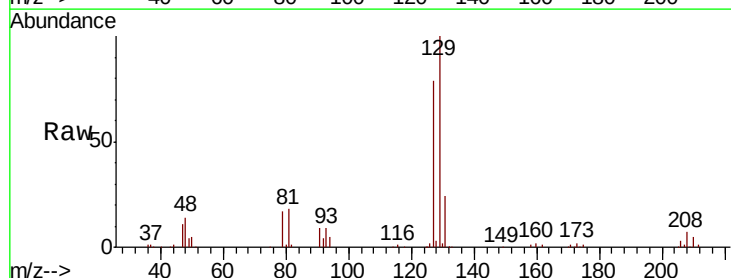
Instrument :
MSVOA_Y
ClientSampled :
VSTD025410

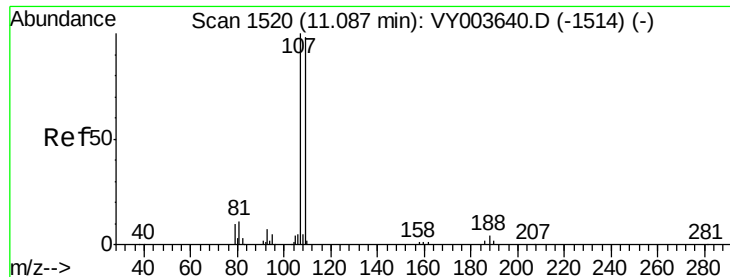
Tot Ion: 43 Resp: 112421
Ion Ratio Lower Upper
43 100
58 54.3 43.0 64.6
57 17.5 14.6 21.8
100 11.8 9.7 14.5



#49
Dibromochloromethane
Concen: 25.384 ug/L
RT: 10.99 min Scan# 1504
Delta R.T. 0.01 min
Lab File: VY003648.D
Acq: 02 Dec 2020 13:46

Tgt Ion: 129 Resp: 72534
Ion Ratio Lower Upper
129 100
127 78.6 55.0 102.2

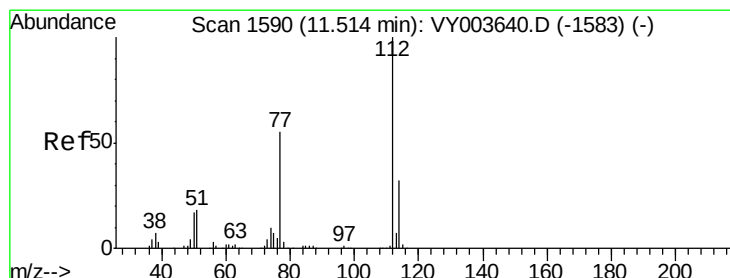
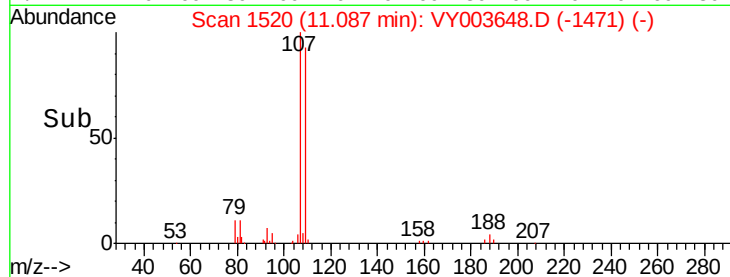
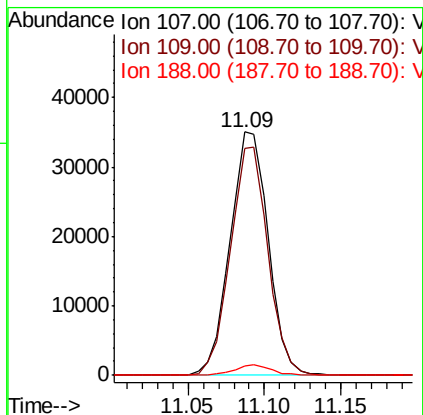
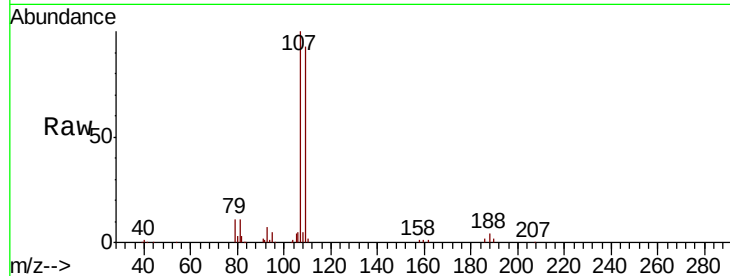




#50
 1,2-Dibromoethane
 Concen: 25.374 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. 0.00 min
 Lab File: VY003648.D
 Acq: 02 Dec 2020 13:46

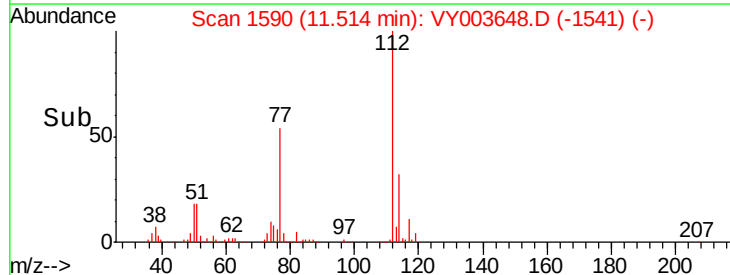
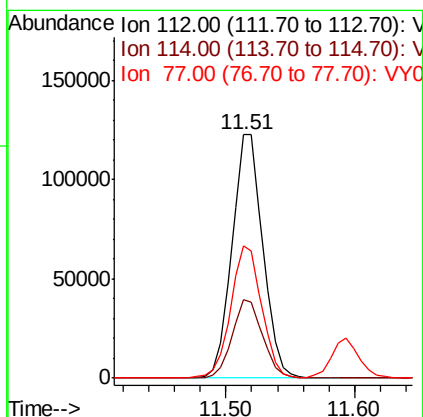
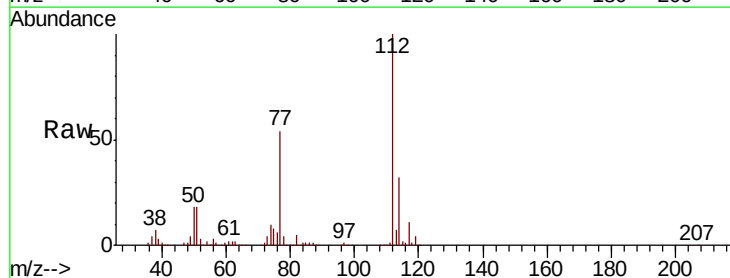
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025410

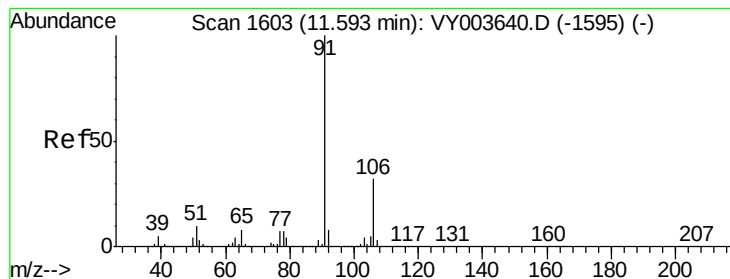
Tot Ion:107 Resp: 60682
 Ion Ratio Lower Upper
 107 100
 109 93.5 65.5 121.7
 188 3.6 3.8 5.8#



#51
 Chlorobenzene
 Concen: 26.039 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VY003648.D
 Acq: 02 Dec 2020 13:46

Tgt Ion:112 Resp: 204423
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.2 41.2
 77 54.2 43.8 65.6





#52

Ethylbenzene

Concen: 26.400 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampleId :

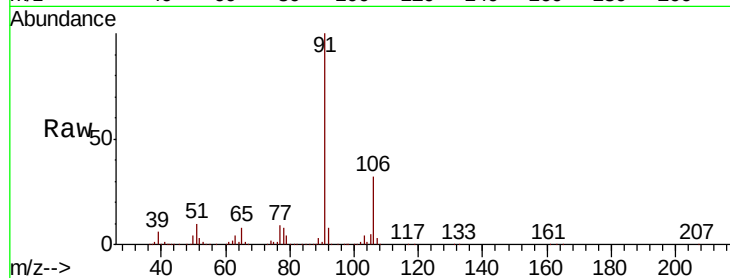
VSTD025410

Tot Ion: 91 Resp: 344199

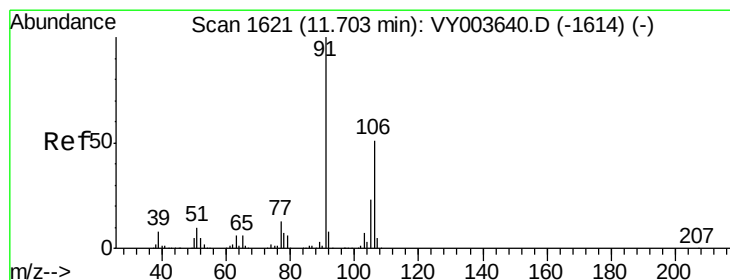
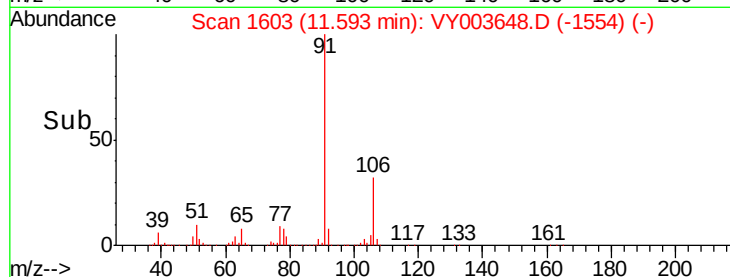
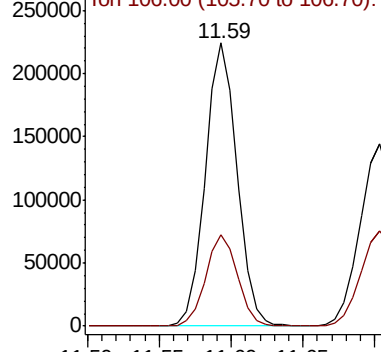
Ion Ratio Lower Upper

91 100

106 32.2 22.8 42.4



Abundance Ion 91.00 (90.70 to 91.70): VY003648.D (-1595) (-)



#53

m,p-Xylene

Concen: 26.384 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003648.D

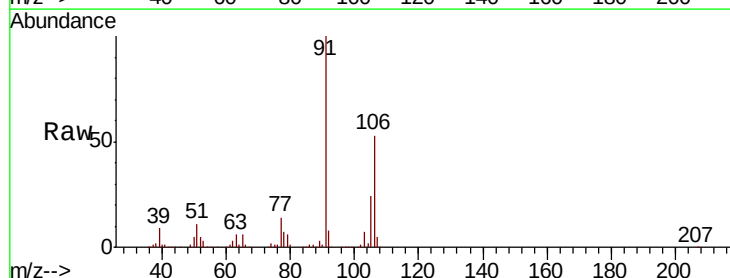
Acq: 02 Dec 2020 13:46

Tgt Ion: 106 Resp: 134529

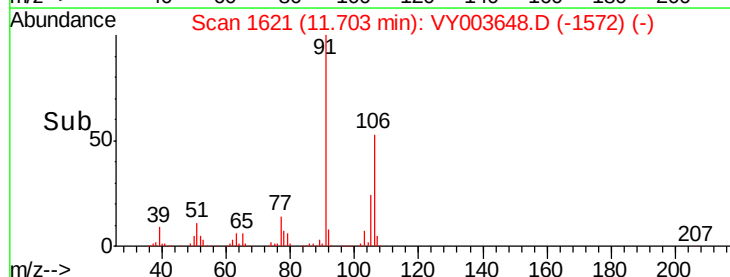
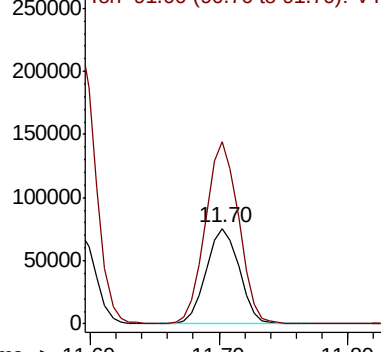
Ion Ratio Lower Upper

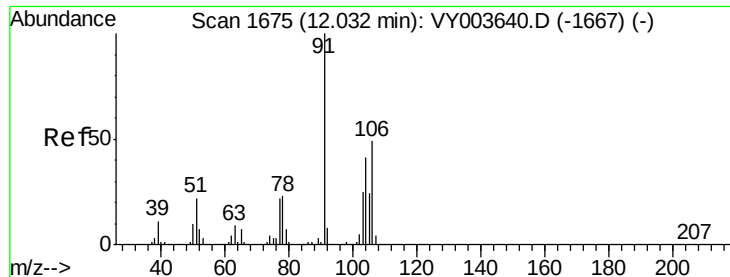
106 100

91 190.4 133.1 247.3



Abundance Ion 106.00 (105.70 to 106.70): VY003648.D (-1614) (-)

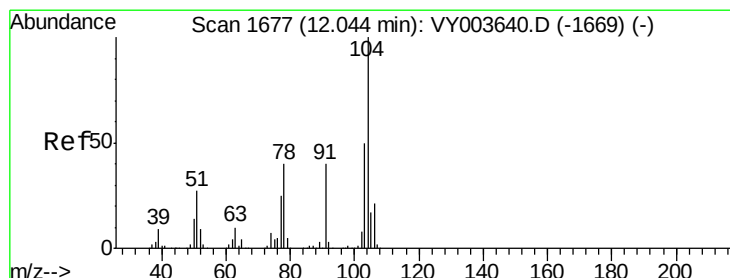
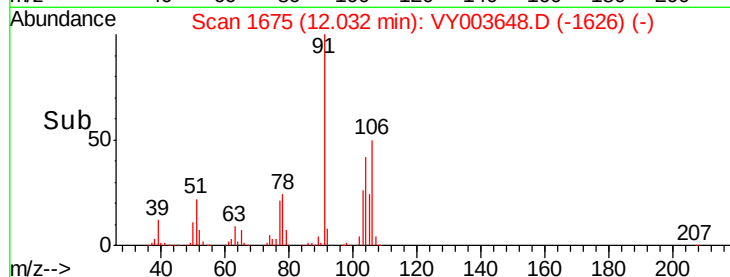
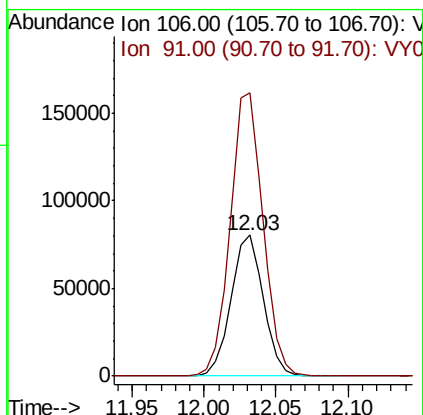
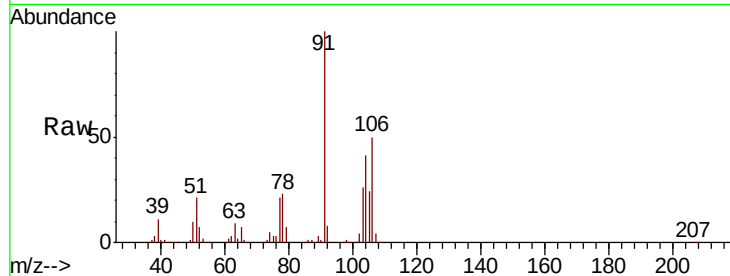




#54
o-Xylene
Concen: 26.280 ug/L
RT: 12.03 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VY003648.D
Acq: 02 Dec 2020 13:46

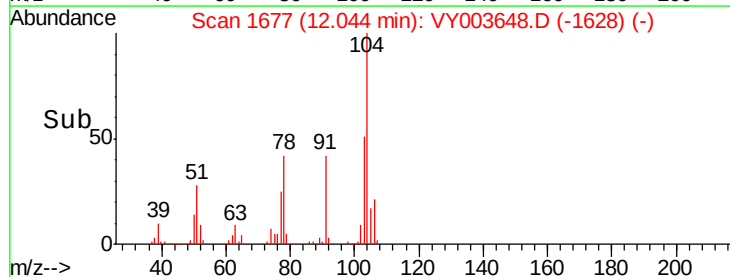
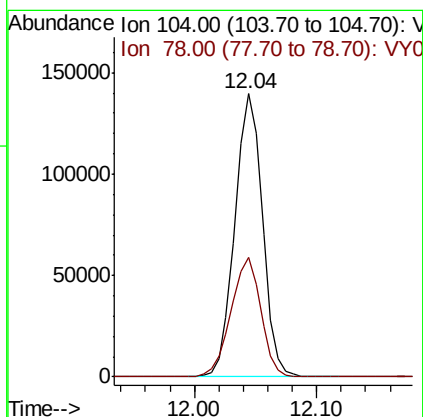
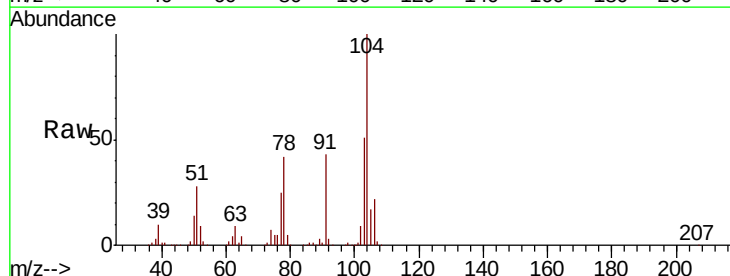
Instrument :
MSVOA_Y
ClientSampled :
VSTD025410

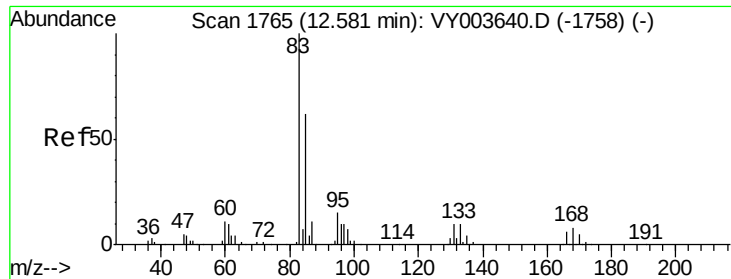
Tot Ion:106 Resp: 126560
Ion Ratio Lower Upper
106 100
91 200.4 144.1 267.5



#55
Styrene
Concen: 26.458 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VY003648.D
Acq: 02 Dec 2020 13:46

Tgt Ion:104 Resp: 218011
Ion Ratio Lower Upper
104 100
78 42.1 27.6 51.4





#57

1,1,2,2-Tetrachloroethane

Concen: 26.077 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025410

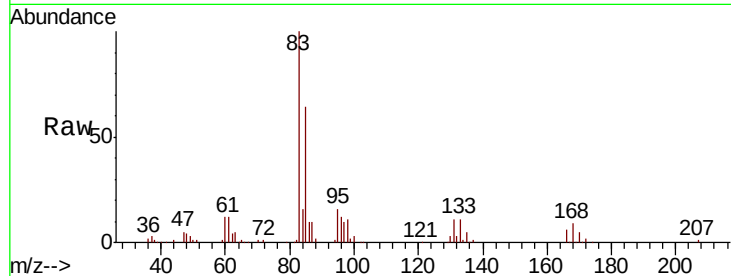
Tot Ion: 83 Resp: 85437

Ion Ratio Lower Upper

83 100

85 63.7 46.1 85.7

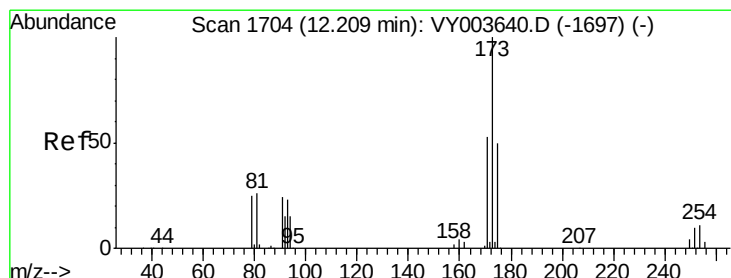
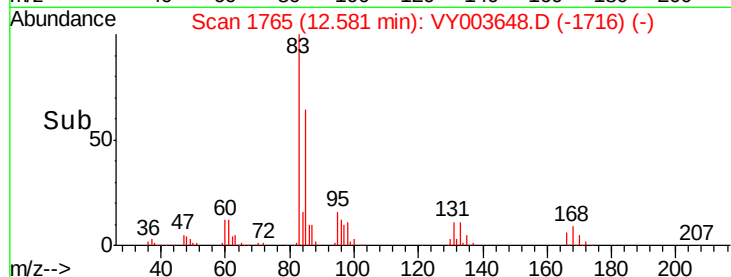
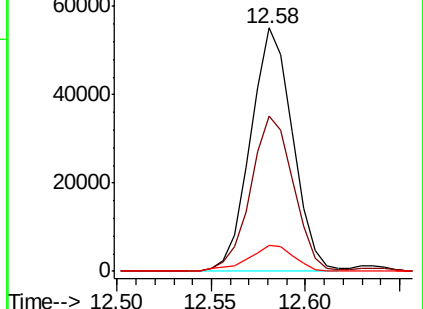
131 10.7 8.1 12.1



Abundance Ion 83.00 (82.70 to 83.70): VY003648.D (-1758) (-)

Ion 85.00 (84.70 to 85.70): VY003648.D (-1758) (-)

Ion 131.00 (130.70 to 131.70): VY003648.D (-1758) (-)



#59

Bromoform

Concen: 26.337 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

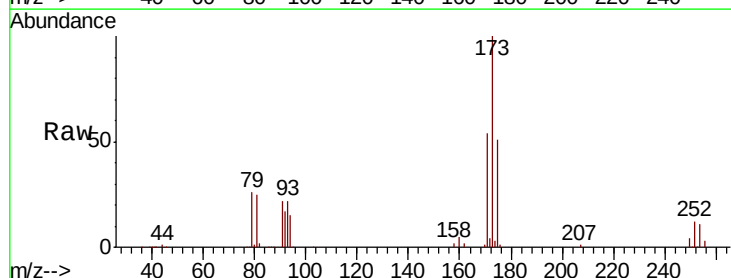
Tgt Ion: 173 Resp: 49709

Ion Ratio Lower Upper

173 100

175 49.2 38.2 57.4

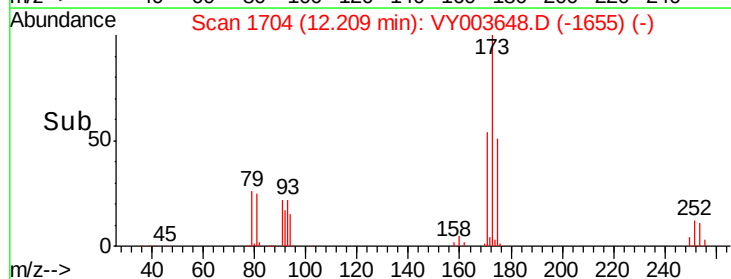
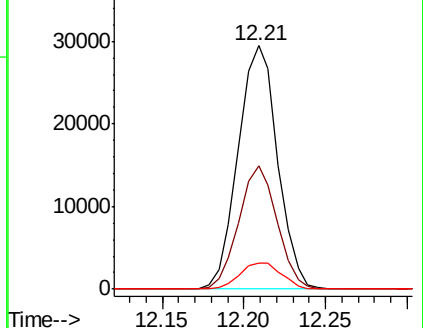
254 11.3 8.0 12.0

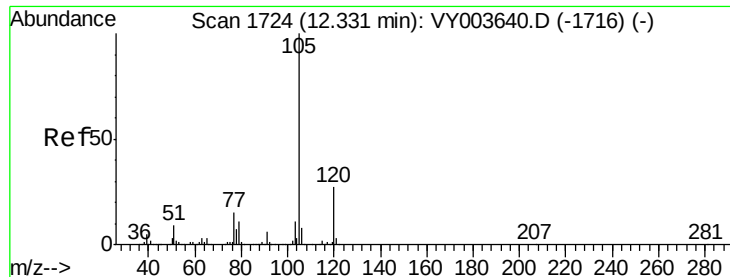


Abundance Ion 173.00 (172.70 to 173.70): VY003648.D (-1697) (-)

Ion 175.00 (174.70 to 175.70): VY003648.D (-1697) (-)

Ion 254.00 (253.70 to 254.70): VY003648.D (-1697) (-)





#60

Isopropylbenzene

Concen: 27.486 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025410

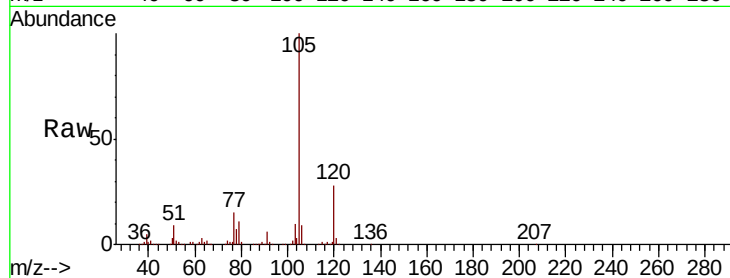
Tot Ion:105 Resp: 337818

Ion Ratio Lower Upper

105 100

120 27.7 22.0 33.0

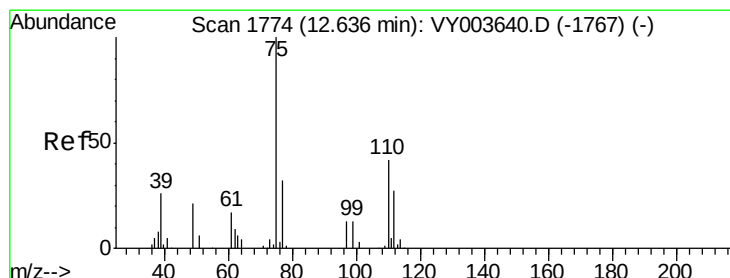
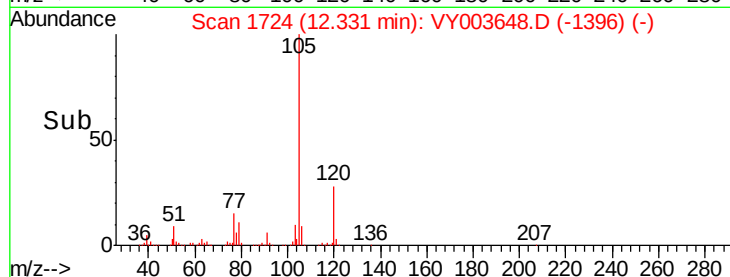
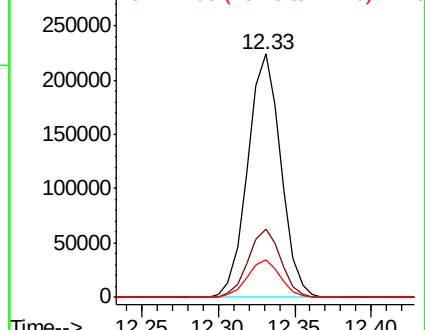
77 15.1 12.1 18.1



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: 26.818 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

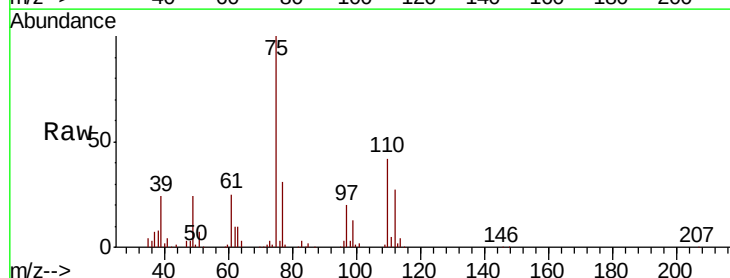
Tgt Ion: 75 Resp: 61657

Ion Ratio Lower Upper

75 100

77 32.3 26.3 39.5

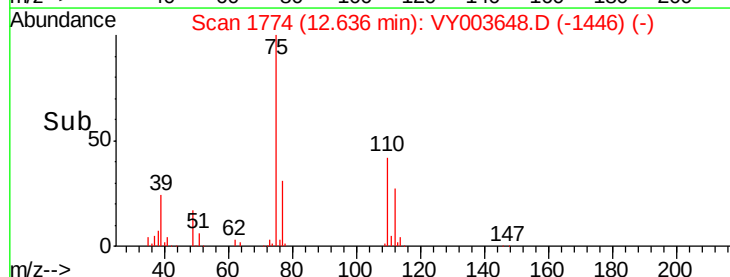
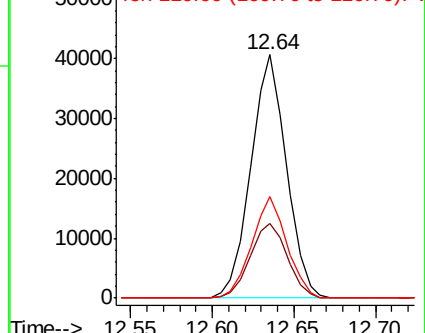
110 41.0 33.0 49.4

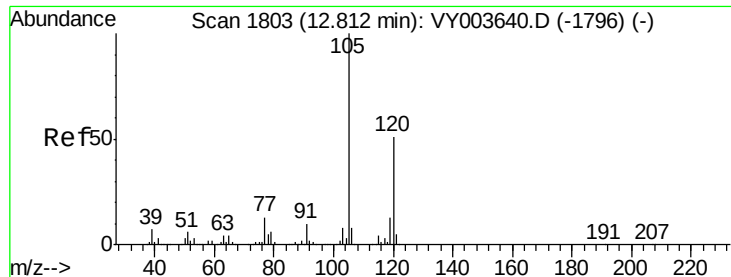


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 27.514 ug/L

RT: 12.81 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VY003648.D

Acq: 02 Dec 2020 13:46

Instrument :

MSVOA_Y

ClientSampleId :

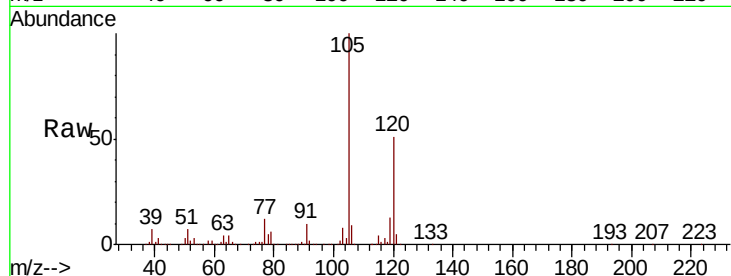
VSTD025410

Tot Ion:105 Resp: 268159

Ion Ratio Lower Upper

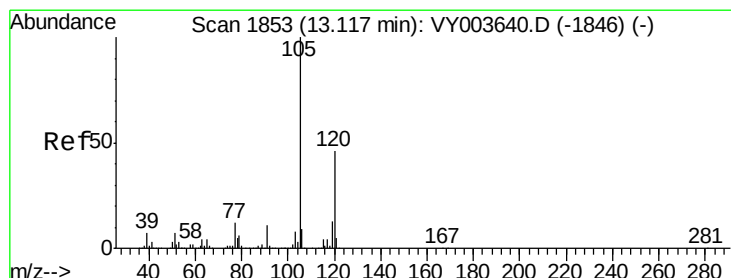
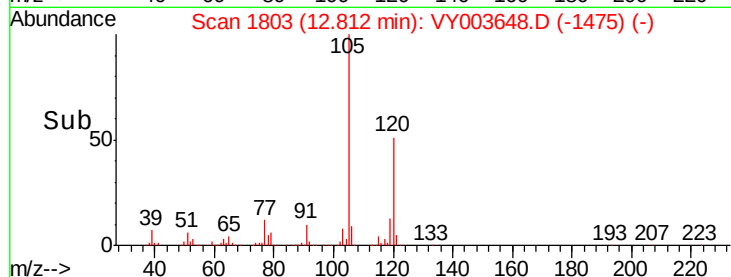
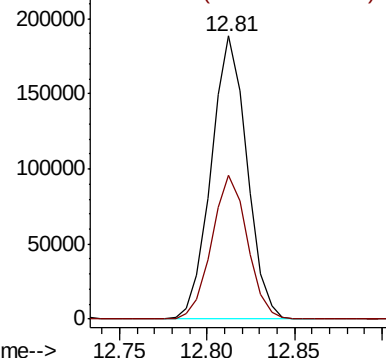
105 100

120 50.6 40.4 60.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 27.068 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003648.D

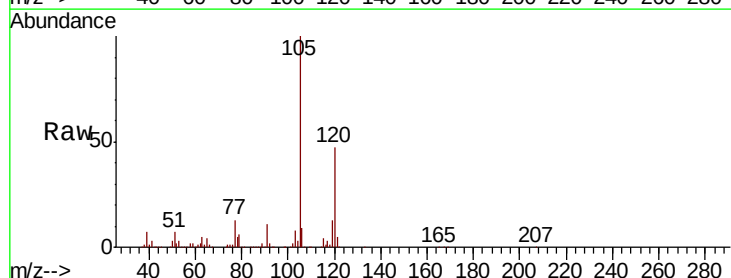
Acq: 02 Dec 2020 13:46

Tgt Ion:105 Resp: 260645

Ion Ratio Lower Upper

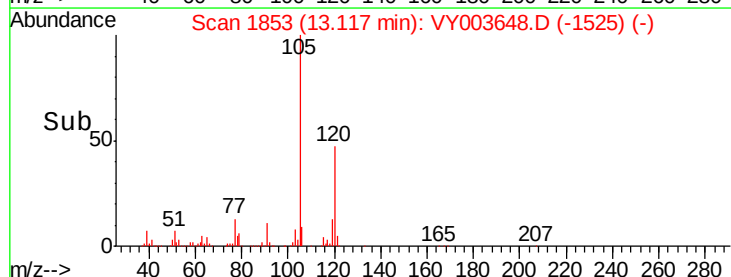
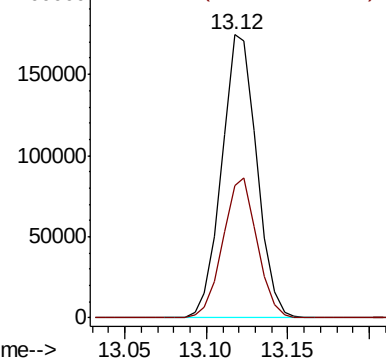
105 100

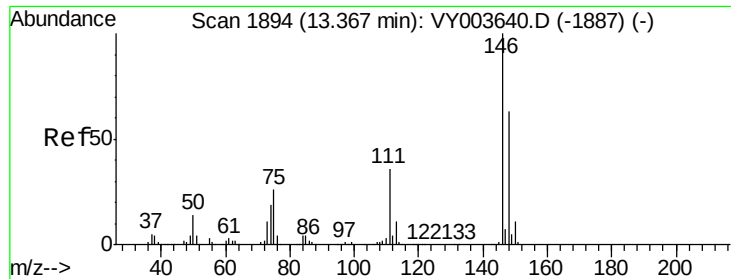
120 48.3 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

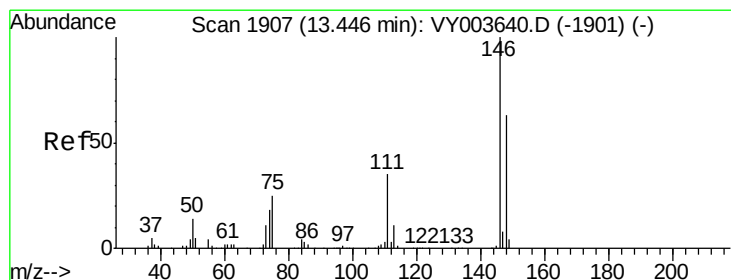
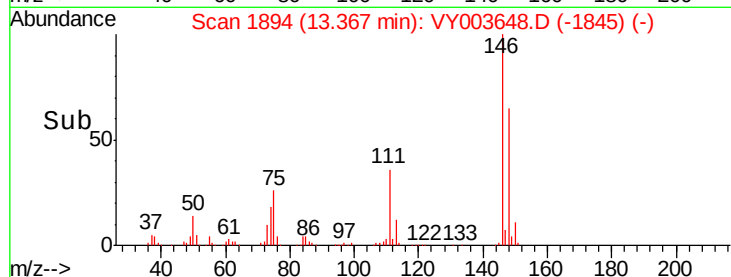
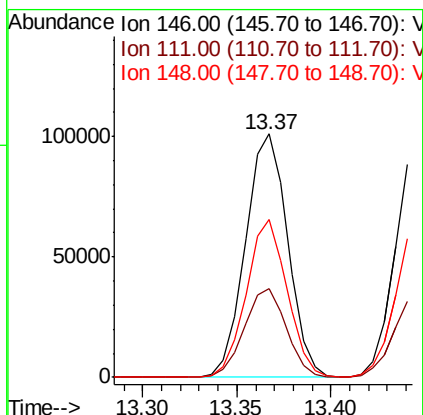
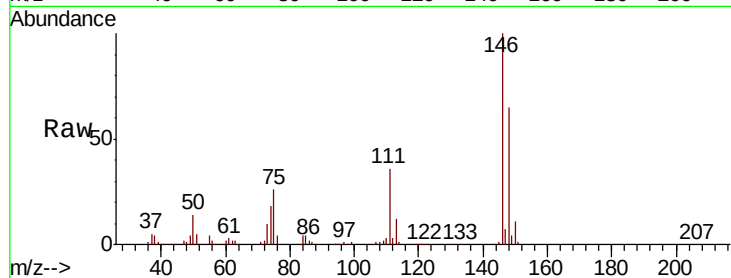




#64
 1,3-Dichlorobenzene
 Concen: 26.391 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. 0.00 min
 Lab File: VY003648.D
 Acq: 02 Dec 2020 13:46

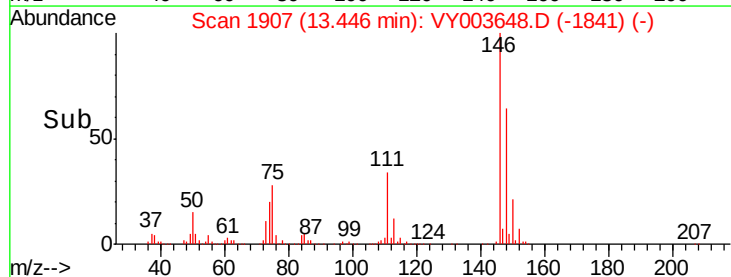
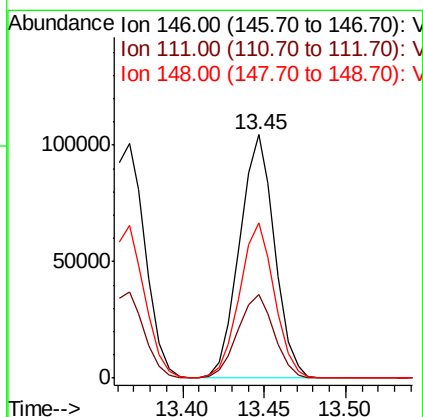
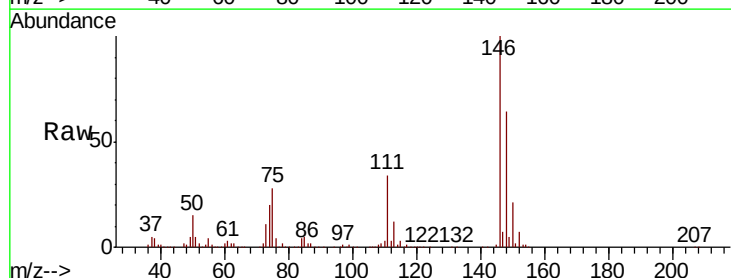
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025410

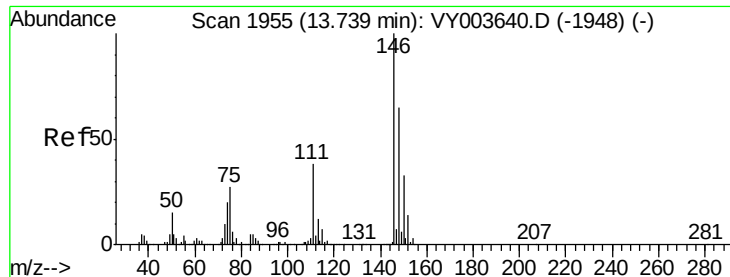
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	26.6	49.4
148	65.0	46.3	86.1



#65
 1,4-Dichlorobenzene
 Concen: 25.854 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003648.D
 Acq: 02 Dec 2020 13:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	24.7	45.9
148	63.9	43.4	80.6

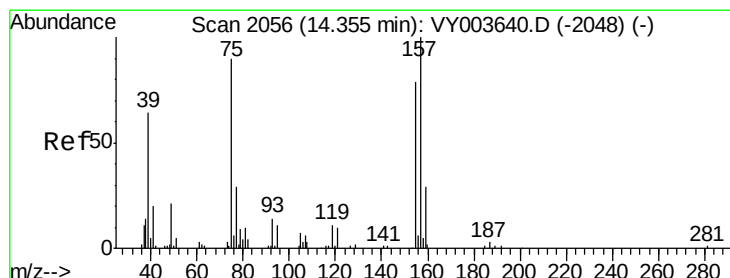
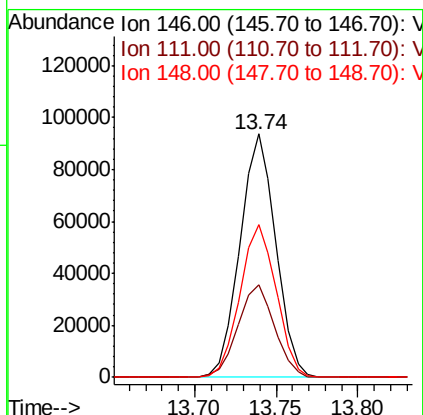
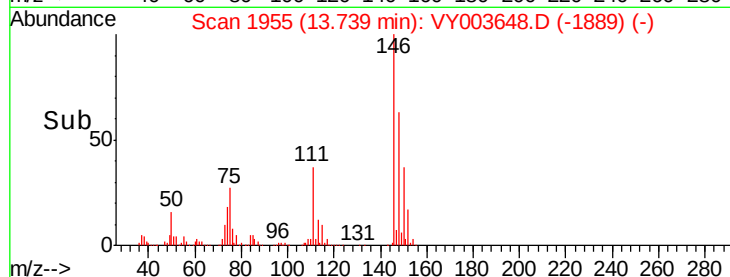
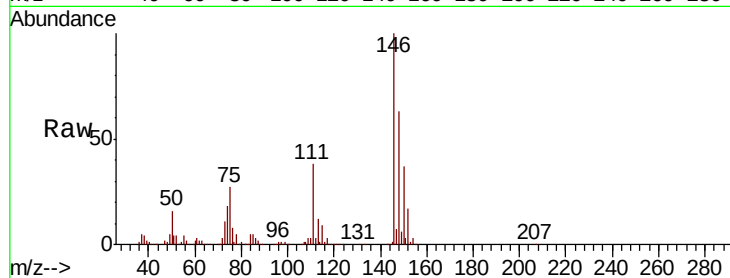




#67
 1,2-Dichlorobenzene
 Concen: 25.638 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VY003648.D
 Acq: 02 Dec 2020 13:46

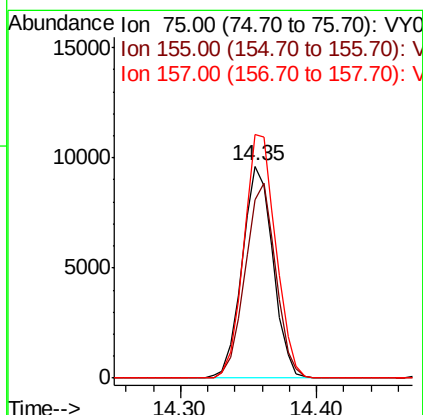
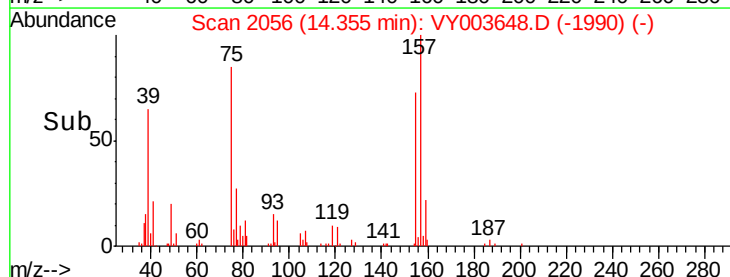
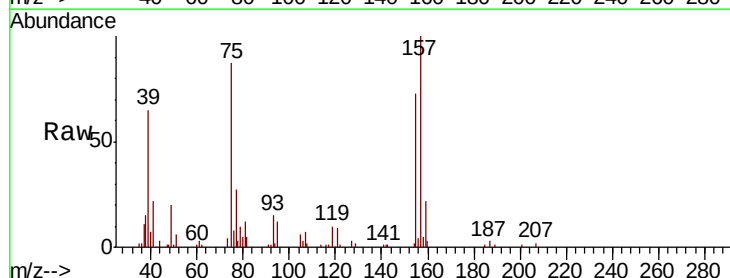
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025410

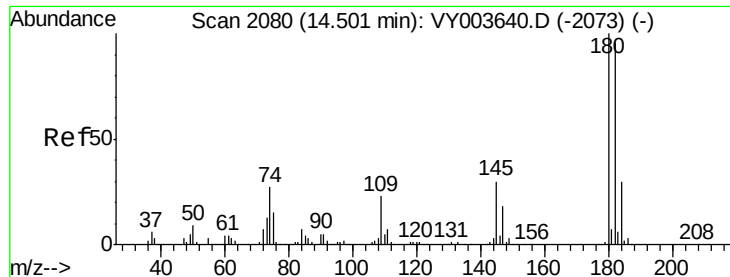
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	31.0	46.6
148	62.8	51.0	76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 28.487 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003648.D
 Acq: 02 Dec 2020 13:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.3	73.4	110.0
157	115.0	98.1	147.1

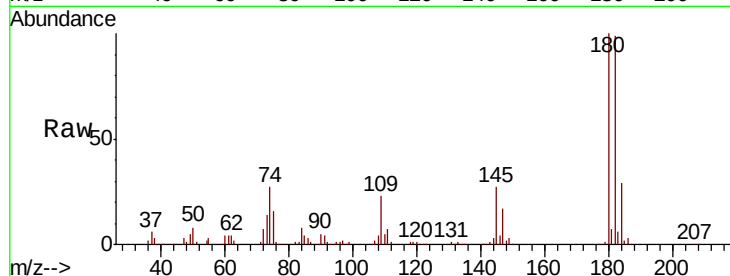




#69
 1,3,5-Trichlorobenzene
 Concen: 26.007 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003648.D
 Acq: 02 Dec 2020 13:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025410

Tot Ion	180	Resp	108646
Ion Ratio	Lower	Upper	
180	100		
182	95.0	75.4	113.0
184	28.7	24.1	36.1
145	27.4	22.4	33.6



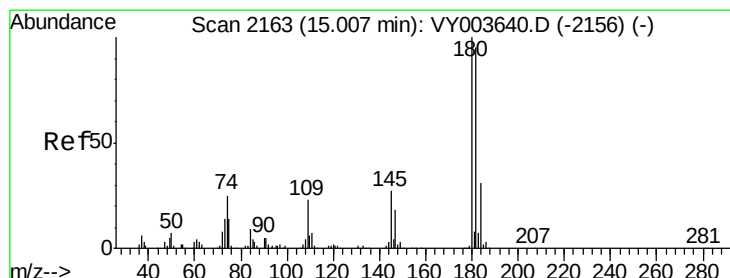
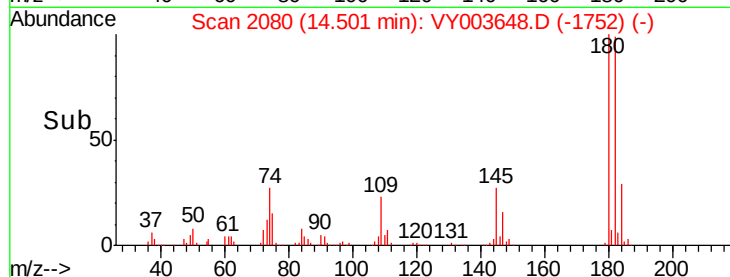
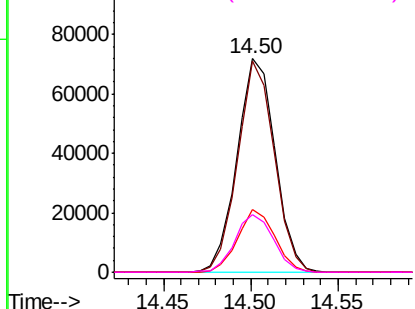
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

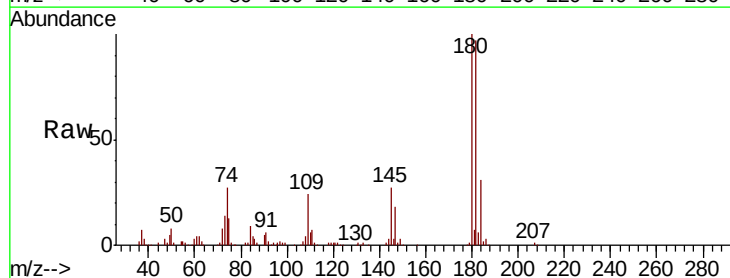
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 25.112 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VY003648.D
 Acq: 02 Dec 2020 13:46

Tgt Ion	180	Resp	89357
Ion Ratio	Lower	Upper	
180	100		
182	95.3	76.1	114.1
145	27.6	22.8	34.2

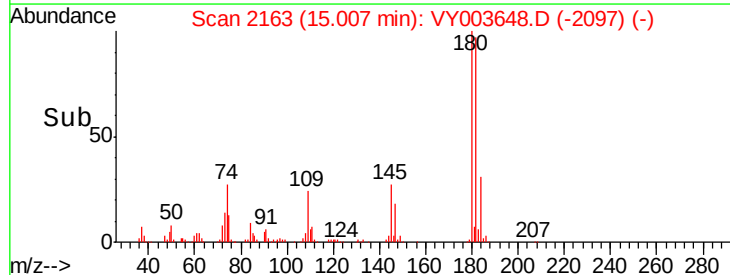
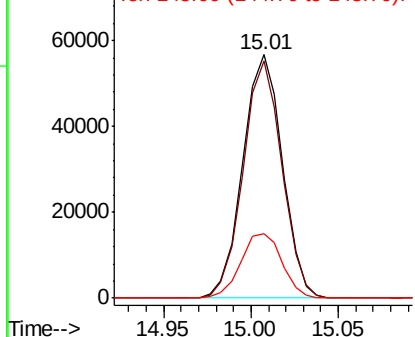


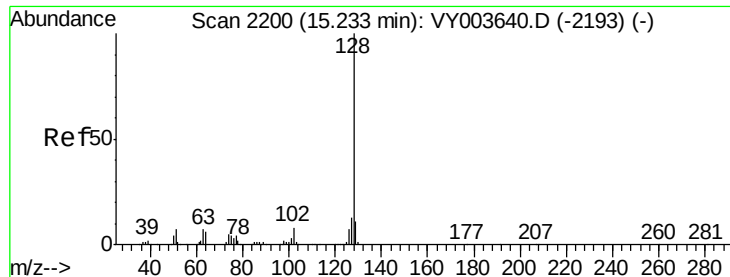
Abundance

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

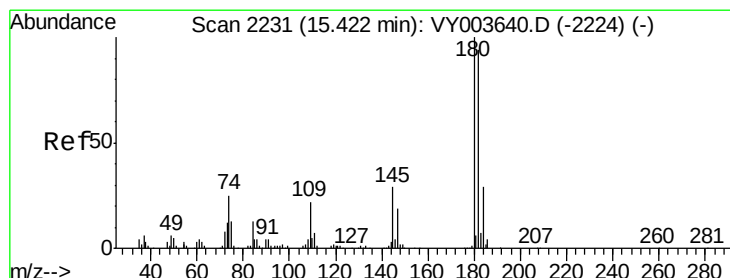
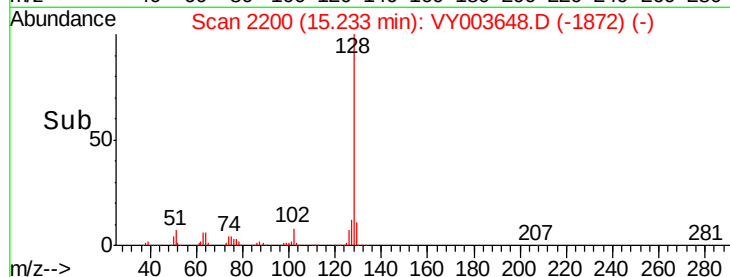
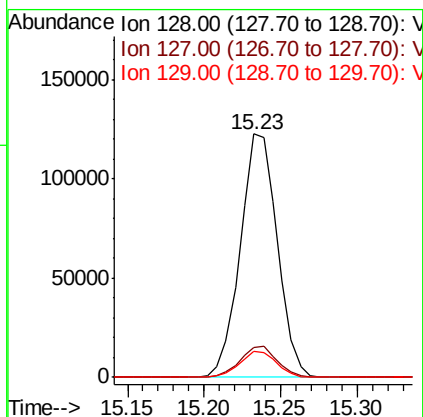
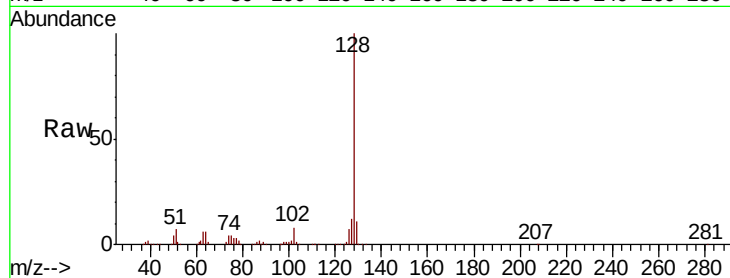




#71
Naphthalene
Concen: 26.561 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003648.D
Acq: 02 Dec 2020 13:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025410

Tot Ion:128 Resp: 206338
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.7 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 25.456 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VY003648.D
Acq: 02 Dec 2020 13:46

Tgt Ion:180 Resp: 83194
Ion Ratio Lower Upper
180 100
182 96.2 76.2 114.4
145 30.1 23.6 35.4

