

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010421\
 Data File : VY003873.D
 Acq On : 04 Jan 2021 16:20
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025206

Quant Time: Jan 05 04:10:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 05 04:09:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	319190	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	303030	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	176587	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	151876	28.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.52%
7) Chloroethane-d5	2.77	69	117265	27.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.76%
11) 1,1-Dichloroethene-d2	3.86	63	259525	27.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	111.40%#
21) 2-Butanone-d5	6.89	46	105410	51.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.66%
24) Chloroform-d	7.48	84	249417	28.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	113.16%
26) 1,2-Dichloroethane-d4	8.15	65	153761	27.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.52%
32) Benzene-d6	8.11	84	485601	28.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.28%
36) 1,2-Dichloropropane-d6	9.12	67	143155	28.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.20%
41) Toluene-d8	10.18	98	464794	29.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	116.56%
43) trans-1,3-Dichloropropene-	10.43	79	79956	28.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	114.08%
47) 2-Hexanone-d5	10.79	63	82363	53.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.90%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	138132	28.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.08%
66) 1,2-Dichlorobenzene-d4	13.72	152	185379	28.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	124390	23.262	ug/L	99
3) Chloromethane	2.12	50	133714	22.329	ug/L	97
5) Vinyl chloride	2.26	62	150194	23.639	ug/L	99
6) Bromomethane	2.66	94	98219	25.285	ug/L	99
8) Chloroethane	2.80	64	94841	24.734	ug/L	100
9) Trichlorofluoromethane	3.14	101	224751	26.479	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	121419	27.243	ug/L	99
12) 1,1-Dichloroethene	3.88	96	110552	26.422	ug/L	98
13) Acetone	3.95	43	74296	48.500	ug/L	100
14) Carbon disulfide	4.20	76	344830	24.487	ug/L	99
15) Methyl Acetate	4.48	43	86276	24.479	ug/L	98
16) Methylene chloride	4.73	84	124647	24.348	ug/L	94
17) trans-1,2-Dichloroethene	5.23	96	120863	26.400	ug/L	97
18) Methyl tert-butyl Ether	5.23	73	352767	26.087	ug/L #	89
19) 1,1-Dichloroethane	6.03	63	222016	26.840	ug/L	96
20) cis-1,2-Dichloroethene	6.99	96	131374	26.540	ug/L	96
22) 2-Butanone	6.99	43	117827	49.627	ug/L	99

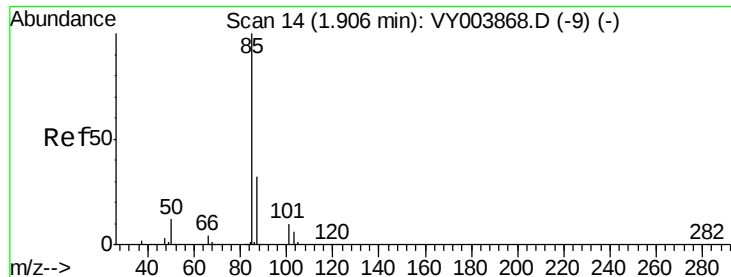
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010421\
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 Quant Title : VOC Analysis
 QLast Update : Tue Jan 05 04:09:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	66070	26.992	ug/L	97
25) Chloroform	7.51	83	232041	26.759	ug/L	100
27) 1,2-Dichloroethane	8.24	62	175377	26.024	ug/L	98
29) Cyclohexane	7.79	56	210471	26.503	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	220343	27.014	ug/L	98
31) Carbon tetrachloride	7.90	117	203842	27.024	ug/L	99
33) Benzene	8.16	78	497492	26.857	ug/L	100
34) Trichloroethene	8.94	95	137103	26.782	ug/L	99
35) Methylcyclohexane	9.19	83	223824	26.866	ug/L	99
37) 1,2-Dichloropropane	9.22	63	127408	27.017	ug/L	99
38) Bromodichloromethane	9.50	83	181969	27.388	ug/L	99
39) cis-1,3-Dichloropropene	9.93	75	217188	26.959	ug/L	99
40) 4-Methyl-2-pentanone	10.07	43	258141	51.275	ug/L	100
42) Toluene	10.25	91	556380	27.153	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	208482	26.807	ug/L	100
45) 1,1,2-Trichloroethane	10.64	97	108959	26.901	ug/L	94
46) Tetrachloroethene	10.72	164	120137	27.131	ug/L	97
48) 2-Hexanone	10.83	43	184856	50.394	ug/L	99
49) Dibromochloromethane	10.98	129	143375	27.959	ug/L	99
50) 1,2-Dibromoethane	11.09	107	106901	26.728	ug/L	95
51) Chlorobenzene	11.51	112	365378	27.573	ug/L	100
52) Ethylbenzene	11.59	91	627837	27.353	ug/L	99
53) m,p-Xylene	11.70	106	239148	27.474	ug/L	98
54) o-Xylene	12.03	106	231234	27.283	ug/L	95
55) Styrene	12.04	104	407003	27.769	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.58	83	129879	27.096	ug/L	98
59) Bromoform	12.21	173	103030	27.034	ug/L	98
60) Isopropylbenzene	12.33	105	643452	27.562	ug/L	100
61) 1,2,3-Trichloropropane	12.64	75	109685	25.292	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	536280	27.657	ug/L	100
63) 1,2,4-Trimethylbenzene	13.12	105	539997	27.489	ug/L	99
64) 1,3-Dichlorobenzene	13.37	146	310947	27.496	ug/L	98
65) 1,4-Dichlorobenzene	13.45	146	313081	27.339	ug/L	99
67) 1,2-Dichlorobenzene	13.74	146	289226	27.311	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.35	75	28362	26.310	ug/L	97
69) 1,3,5-Trichlorobenzene	14.50	180	244026	27.679	ug/L	99
70) 1,2,4-trichlorobenzene	15.01	180	203212	27.186	ug/L	98
71) Naphthalene	15.23	128	414745	26.578	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	183980	27.864	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 23.262 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

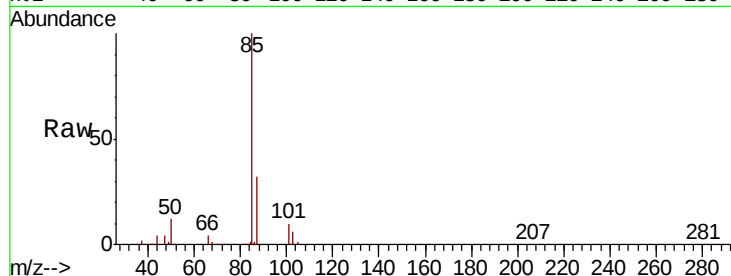
VSTD025206

Tot Ion: 85 Resp: 124390

Ion Ratio Lower Upper

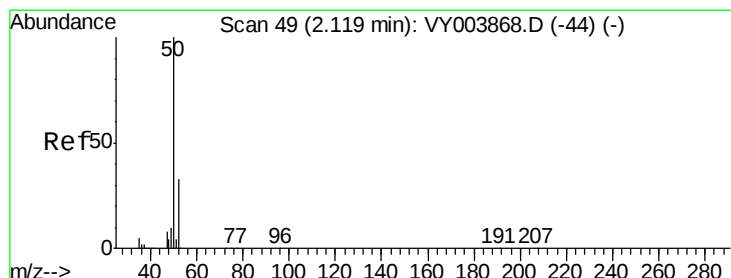
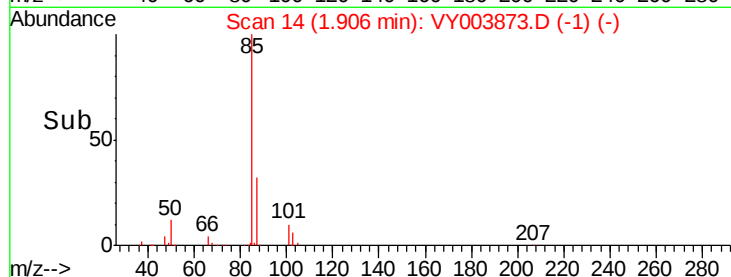
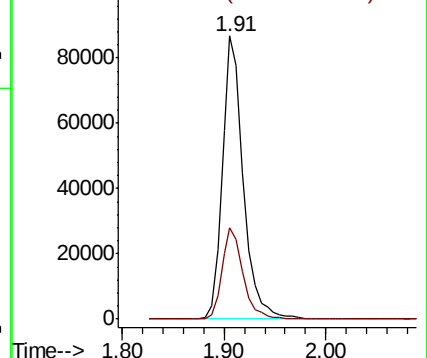
85 100

87 32.5 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: 22.329 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003873.D

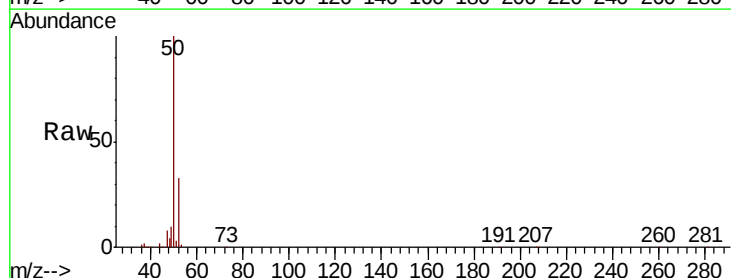
Acq: 04 Jan 2021 16:20

Tgt Ion: 50 Resp: 133714

Ion Ratio Lower Upper

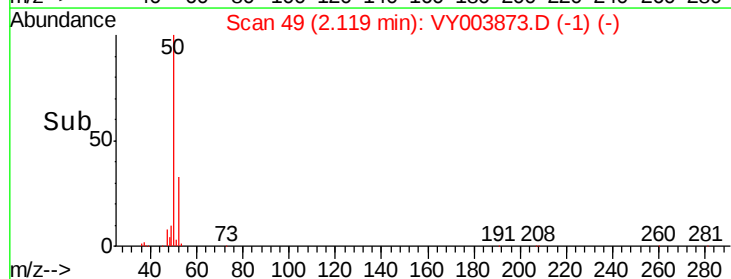
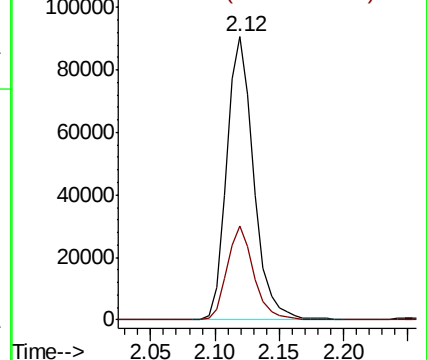
50 100

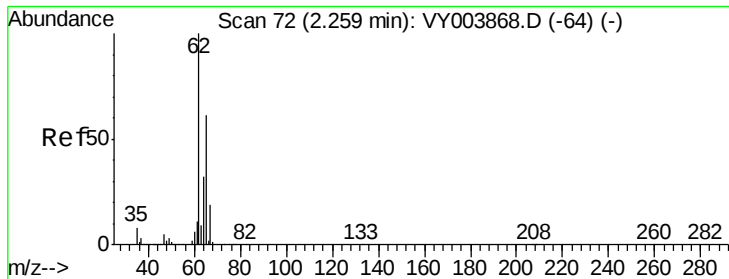
52 33.4 22.0 41.0



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 23.639 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

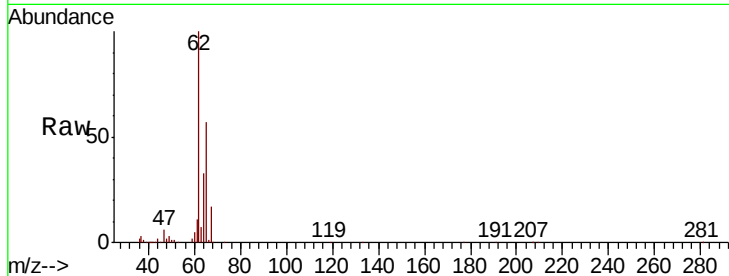
VSTD025206

Tot Ion: 62 Resp: 150194

Ion Ratio Lower Upper

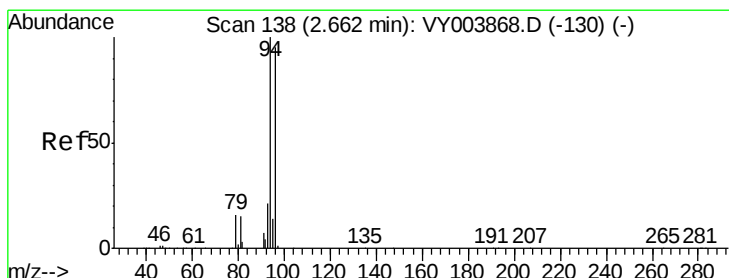
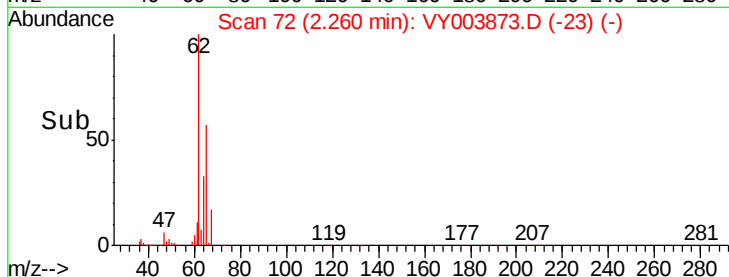
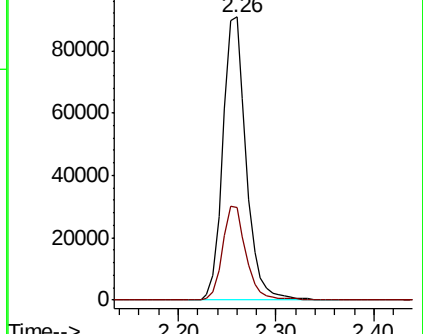
62 100

64 32.7 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: 25.285 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.00 min

Lab File: VY003873.D

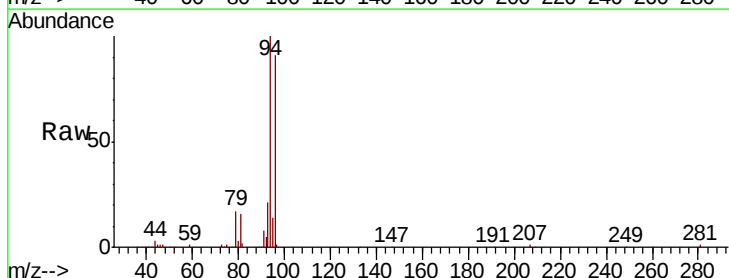
Acq: 04 Jan 2021 16:20

Tgt Ion: 94 Resp: 98219

Ion Ratio Lower Upper

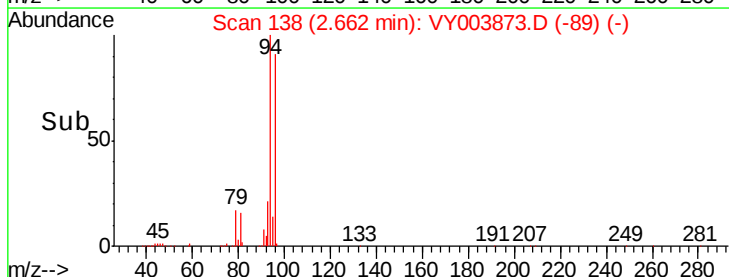
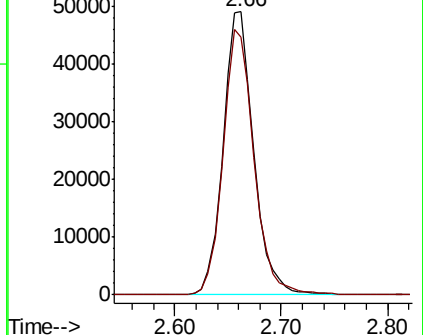
94 100

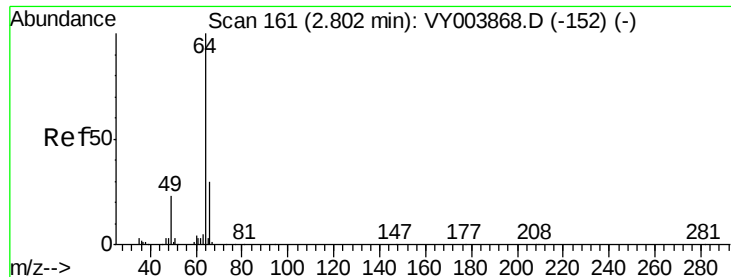
96 91.0 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 24.734 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

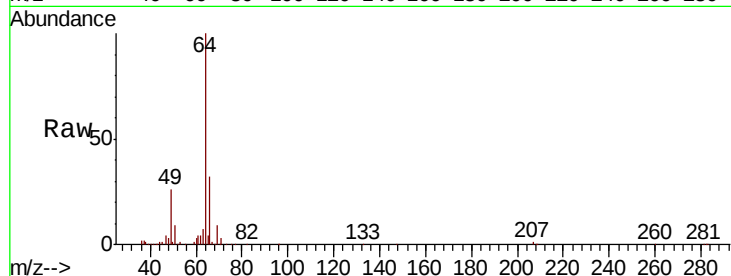
VSTD025206

Tot Ion: 64 Resp: 94841

Ion Ratio Lower Upper

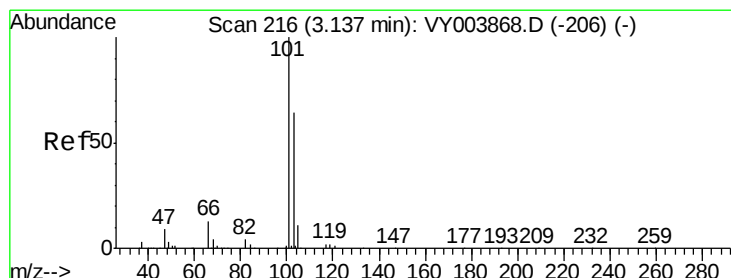
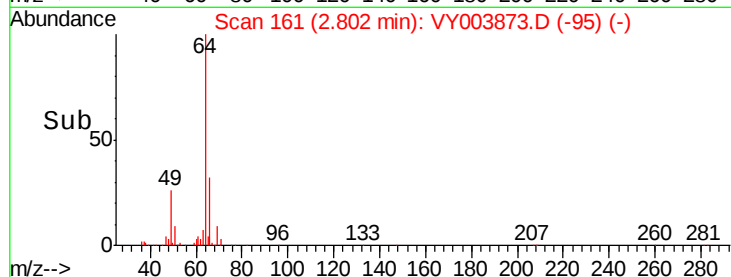
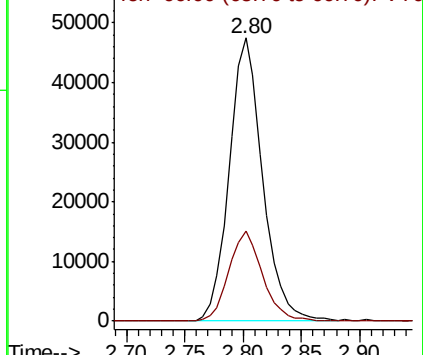
64 100

66 31.9 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 26.479 ug/L

RT: 3.14 min Scan# 216

Delta R.T. 0.00 min

Lab File: VY003873.D

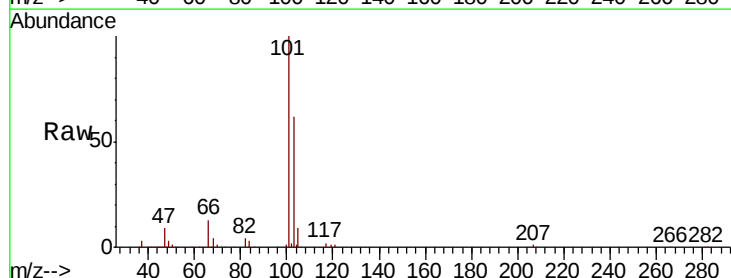
Acq: 04 Jan 2021 16:20

Tgt Ion: 101 Resp: 224751

Ion Ratio Lower Upper

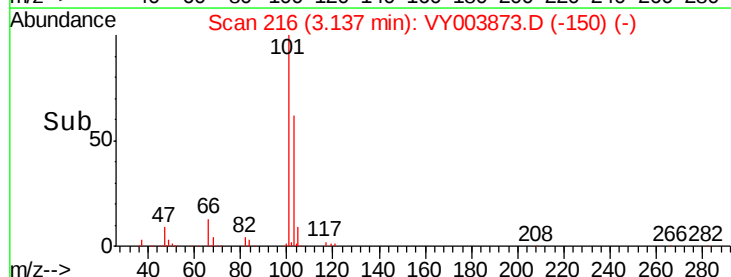
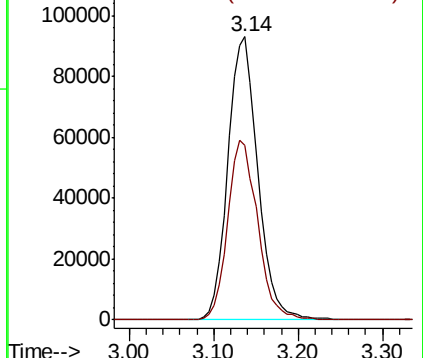
101 100

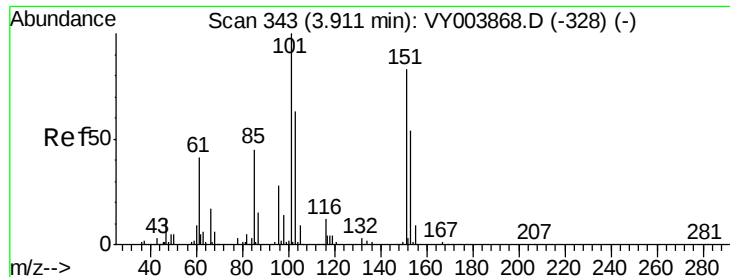
103 63.4 51.4 77.0



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: 27.243 ug/L

RT: 3.91 min Scan# 342

Delta R.T. -0.01 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025206

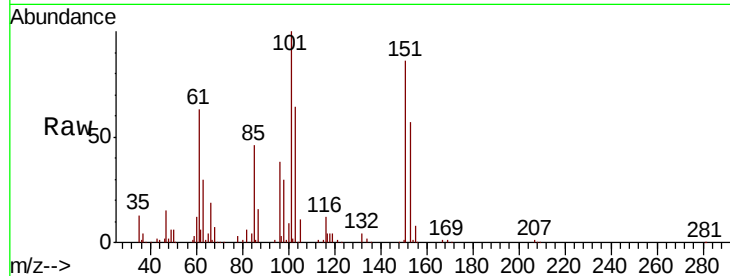
Tot Ion:101 Resp: 121419

Ion Ratio Lower Upper

101 100

85 45.3 37.1 55.7

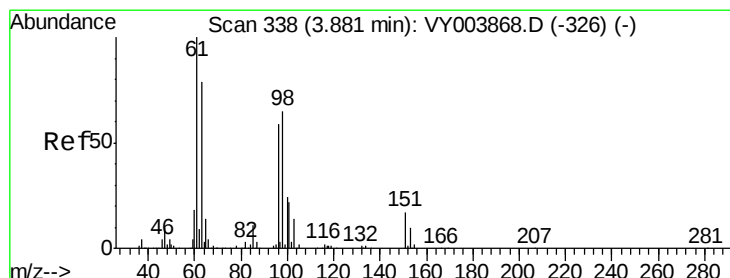
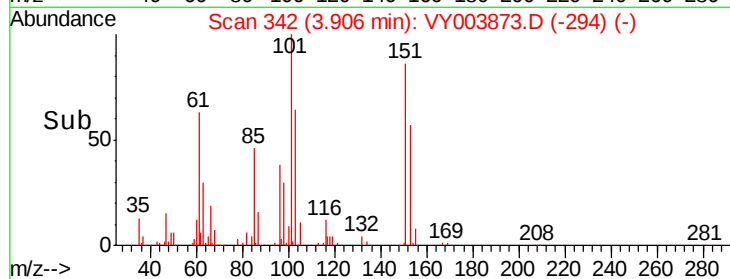
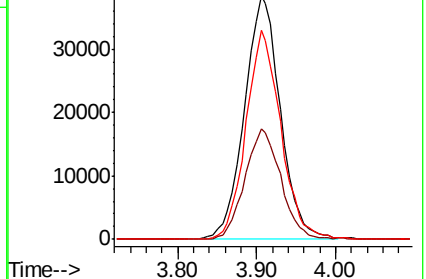
151 83.2 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): VY003868.D (-328) (-)

Ion 85.00 (84.70 to 85.70): VY003868.D (-328) (-)

Ion 151.00 (150.70 to 151.70): VY003868.D (-328) (-)



#12

1,1-Dichloroethene

Concen: 26.422 ug/L

RT: 3.88 min Scan# 338

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

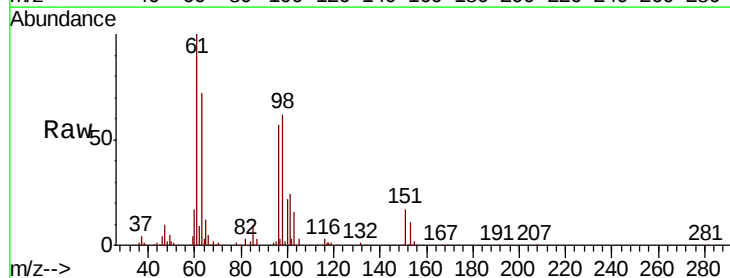
Tgt Ion: 96 Resp: 110552

Ion Ratio Lower Upper

96 100

61 175.1 123.8 230.0

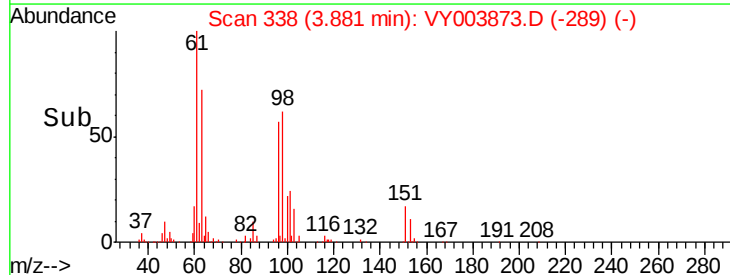
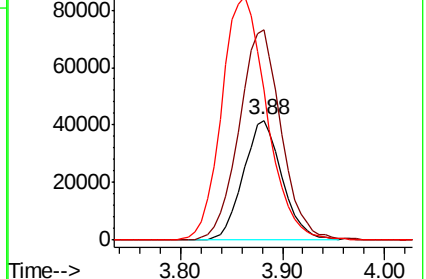
63 125.2 85.3 158.3

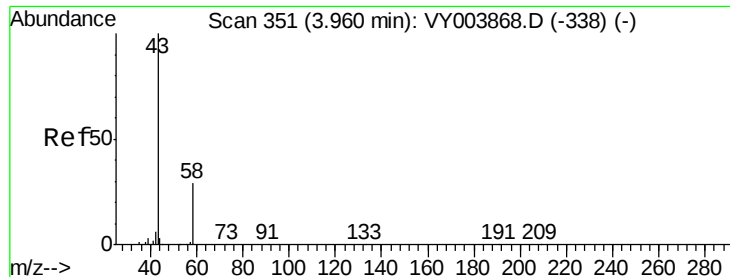


Abundance Ion 96.00 (95.70 to 96.70): VY003868.D (-326) (-)

Ion 61.00 (60.70 to 61.70): VY003868.D (-326) (-)

Ion 63.00 (62.70 to 63.70): VY003868.D (-326) (-)





#13

Acetone

Concen: 48.500 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

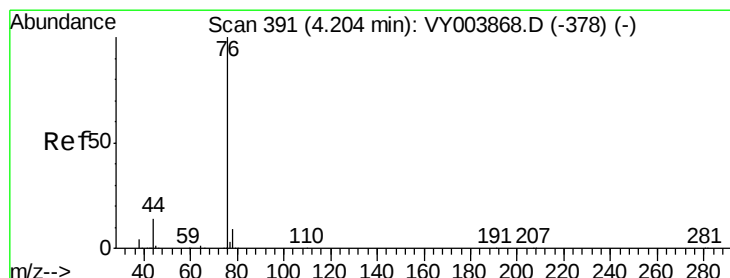
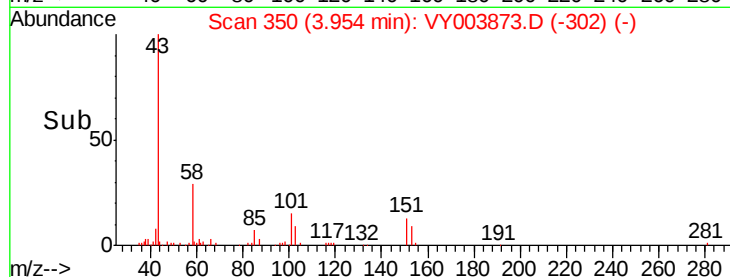
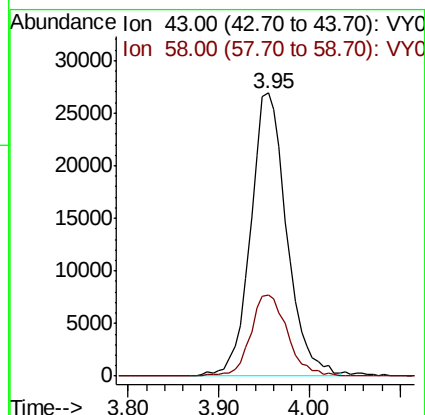
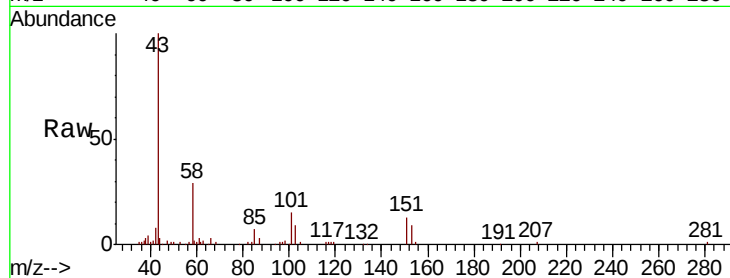
VSTD025206

Tot Ion: 43 Resp: 74296

Ion Ratio Lower Upper

43 100

58 29.1 0.0 58.4



#14

Carbon disulfide

Concen: 24.487 ug/L

RT: 4.20 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY003873.D

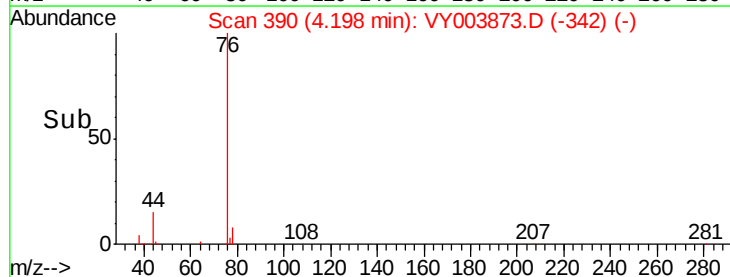
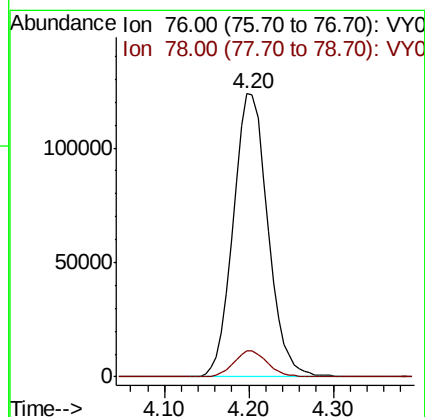
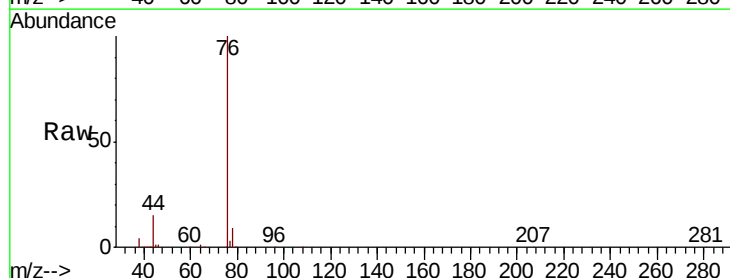
Acq: 04 Jan 2021 16:20

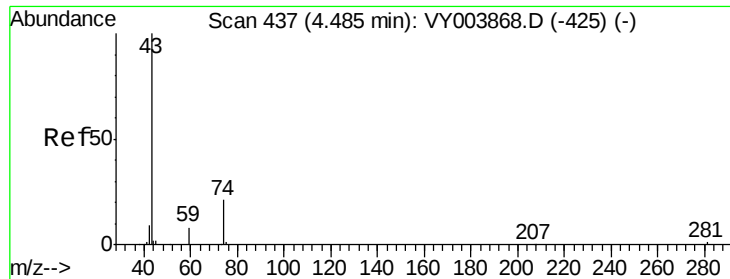
Tgt Ion: 76 Resp: 344830

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

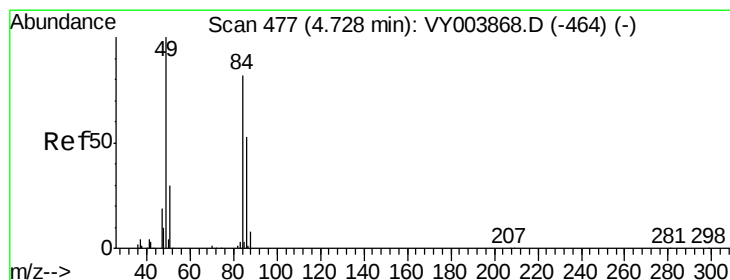
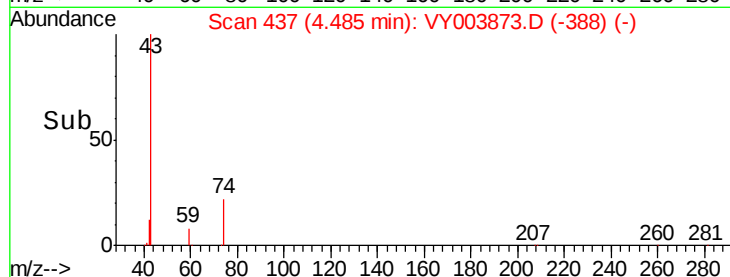
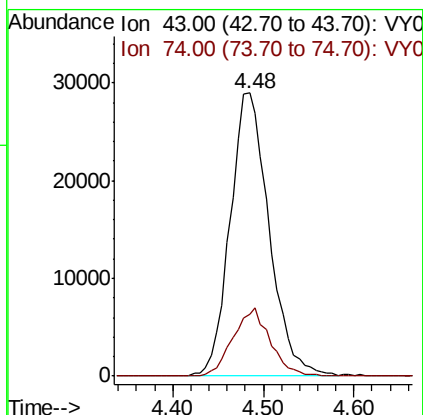
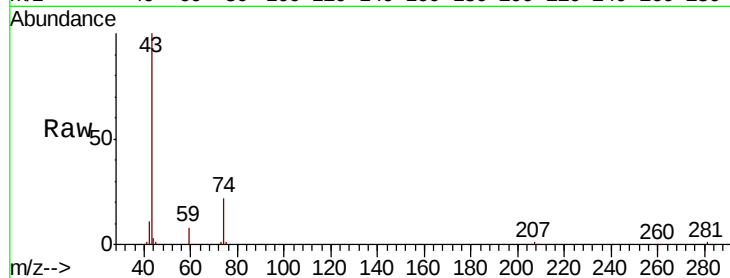




#15
Methvl Acetate
Concen: 24.479 ug/L
RT: 4.48 min Scan# 437
Delta R.T. 0.00 min
Lab File: VY003873.D
Acq: 04 Jan 2021 16:20

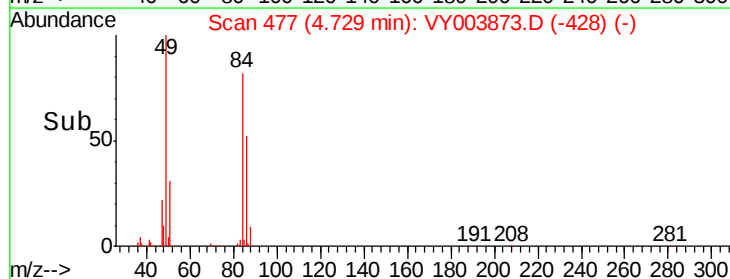
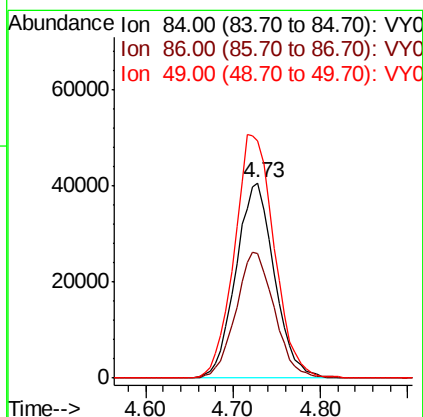
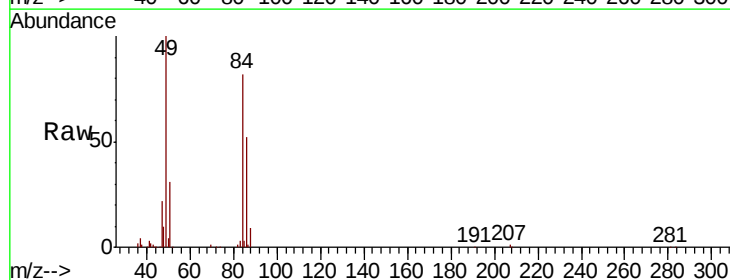
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025206

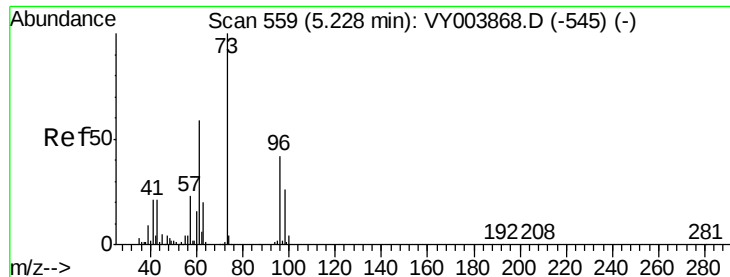
Tot Ion: 43 Resp: 86276
Ion Ratio Lower Upper
43 100
74 22.7 17.4 26.2



#16
Methylene chloride
Concen: 24.348 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003873.D
Acq: 04 Jan 2021 16:20

Tgt Ion: 84 Resp: 124647
Ion Ratio Lower Upper
84 100
86 63.8 42.1 78.3
49 121.7 90.3 167.7

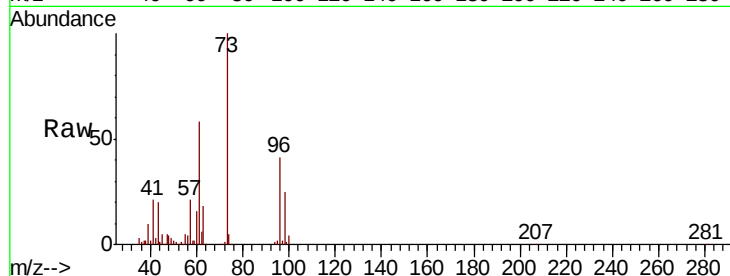




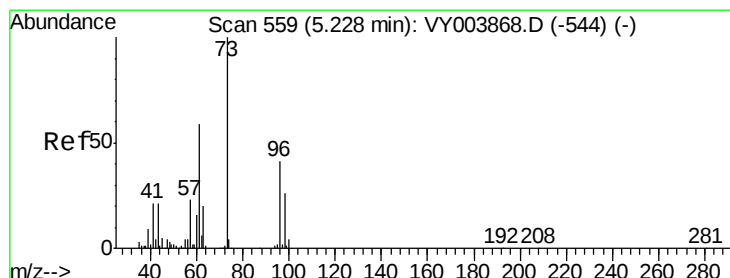
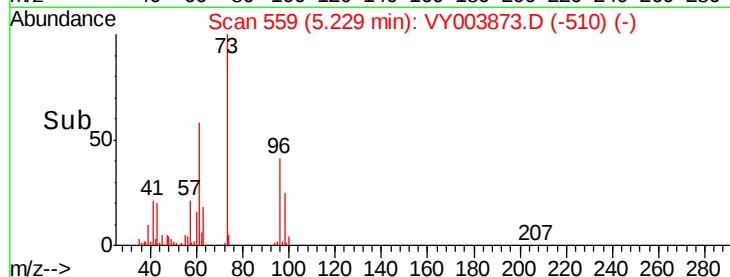
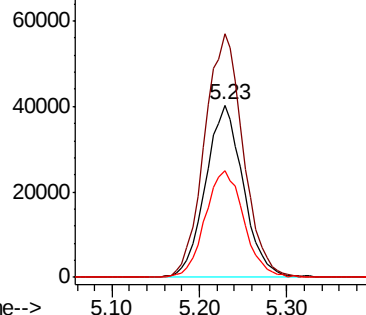
#17
trans-1,2-Dichloroethene
Concen: 26.400 ug/L
RT: 5.23 min Scan# 559
Delta R.T. 0.00 min
Lab File: VY003873.D
Acq: 04 Jan 2021 16:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025206

Tot Ion: 96 Resp: 120863
Ion Ratio Lower Upper
96 100
61 141.6 101.7 188.9
98 62.1 44.3 82.3

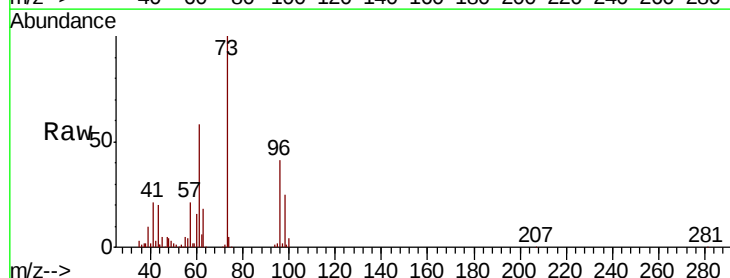


Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

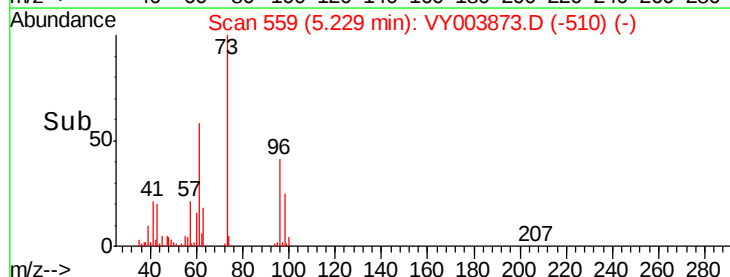
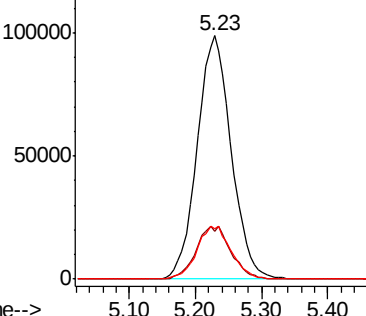


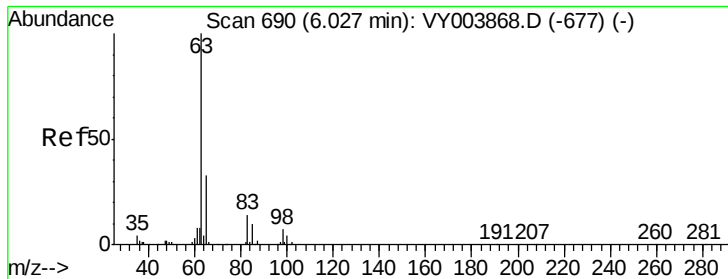
#18
Methyl tert-butyl Ether
Concen: 26.087 ug/L
RT: 5.23 min Scan# 559
Delta R.T. 0.00 min
Lab File: VY003873.D
Acq: 04 Jan 2021 16:20

Tgt Ion: 73 Resp: 352767
Ion Ratio Lower Upper
73 100
43 12.4 18.4 27.6#
57 22.0 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: 26.840 ug/L

RT: 6.03 min Scan# 690

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025206

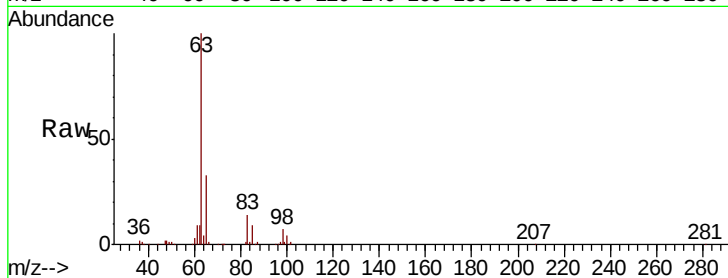
Tot Ion: 63 Resp: 222016

Ion Ratio Lower Upper

63 100

65 33.4 21.9 40.7

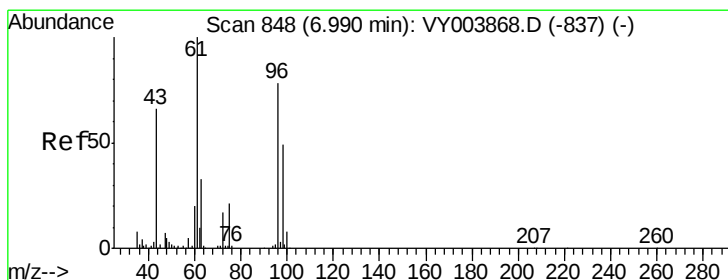
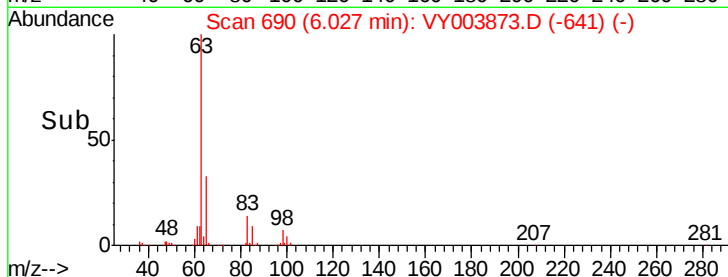
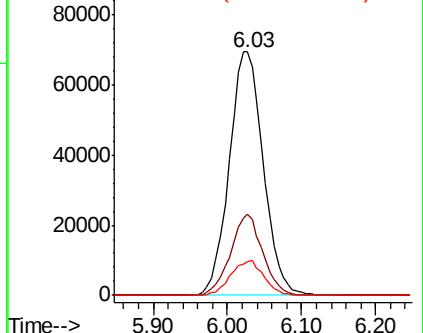
83 13.9 8.7 16.1



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: 26.540 ug/L

RT: 6.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

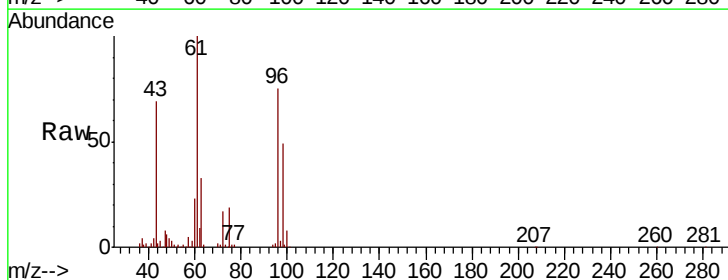
Tgt Ion: 96 Resp: 131374

Ion Ratio Lower Upper

96 100

61 134.1 90.6 168.3

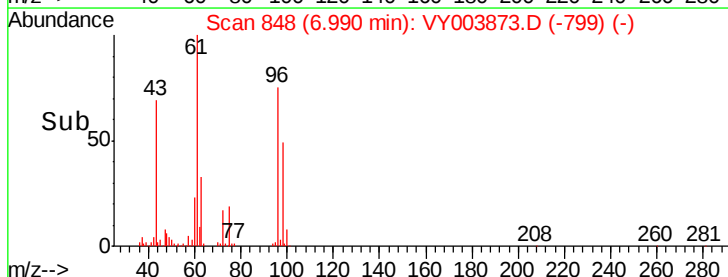
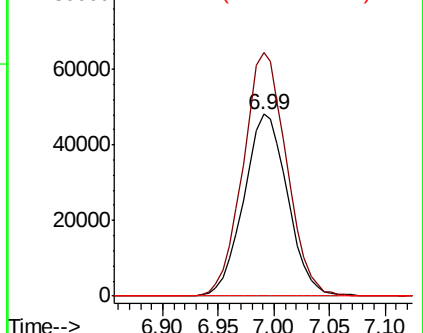
68 0.0 0.0 0.0

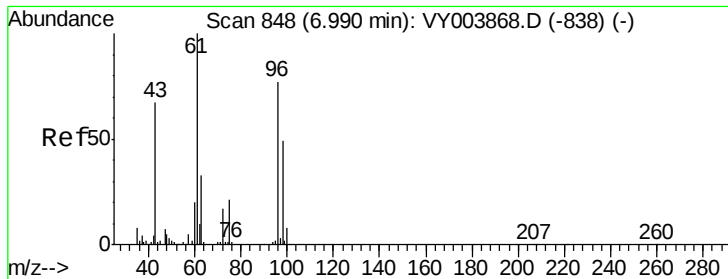


Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 68.00 (67.70 to 68.70): VY0

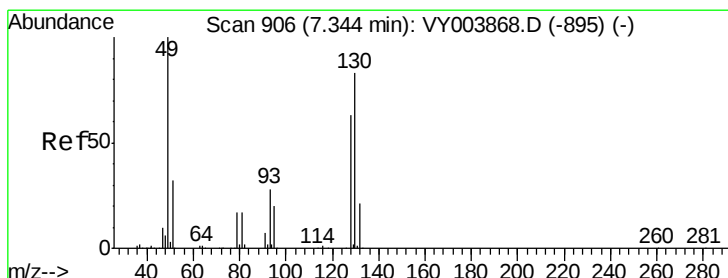
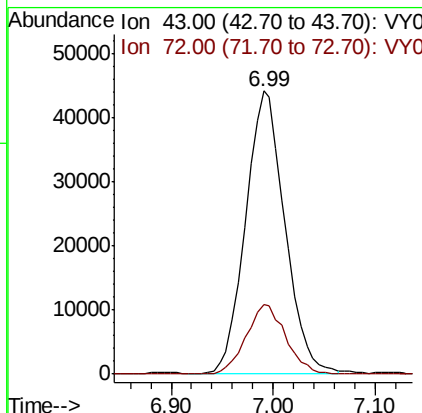
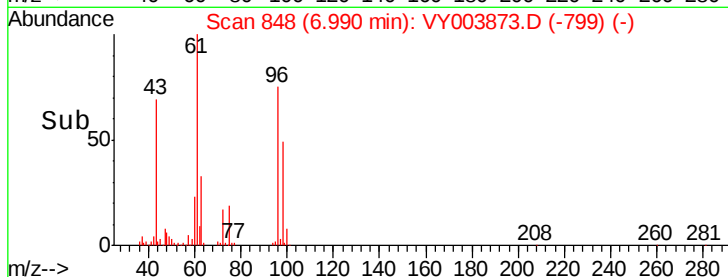
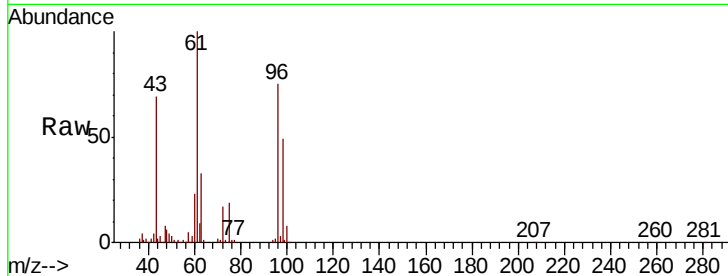




#22
2-Butanone
Concen: 49.627 ug/L
RT: 6.99 min Scan# 848
Delta R.T. 0.00 min
Lab File: VY003873.D
Acq: 04 Jan 2021 16:20

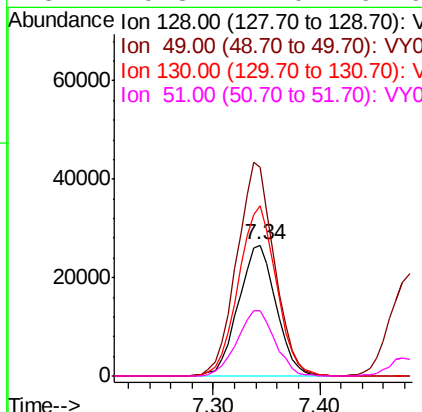
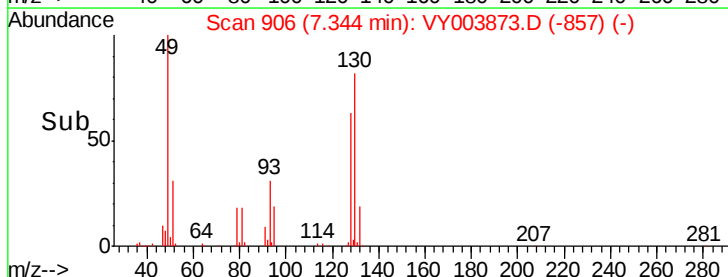
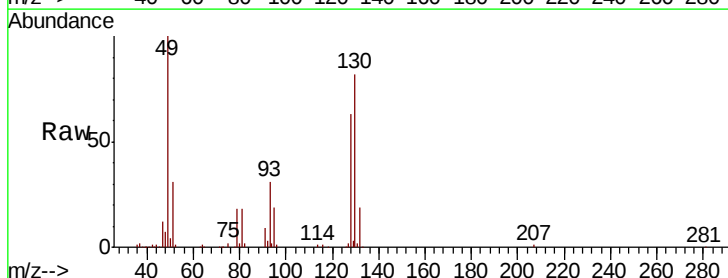
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025206

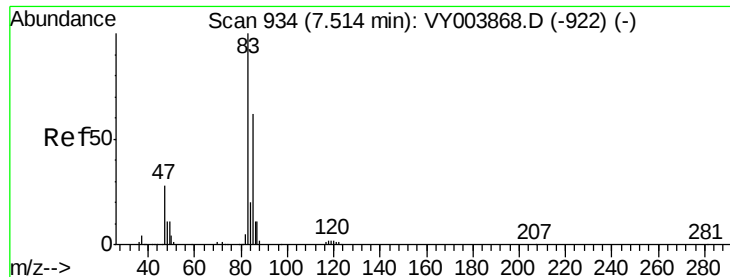
Tot Ion: 43 Resp: 117827
Ion Ratio Lower Upper
43 100
72 24.8 12.6 37.8



#23
Bromochloromethane
Concen: 26.992 ug/L
RT: 7.34 min Scan# 906
Delta R.T. 0.00 min
Lab File: VY003873.D
Acq: 04 Jan 2021 16:20

Tgt Ion:128 Resp: 66070
Ion Ratio Lower Upper
128 100
49 158.6 114.4 212.4
130 130.0 88.8 164.8
51 49.3 41.0 61.6





#25

Chloroform

Concen: 26.759 ug/L

RT: 7.51 min Scan# 933

Delta R.T. -0.01 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

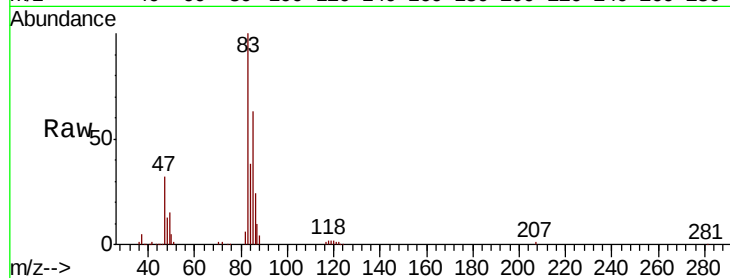
VSTD025206

Tot Ion: 83 Resp: 232041

Ion Ratio Lower Upper

83 100

85 63.1 44.2 82.2



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

7.51

100000

80000

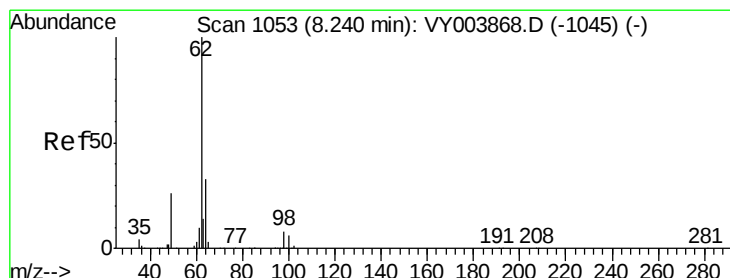
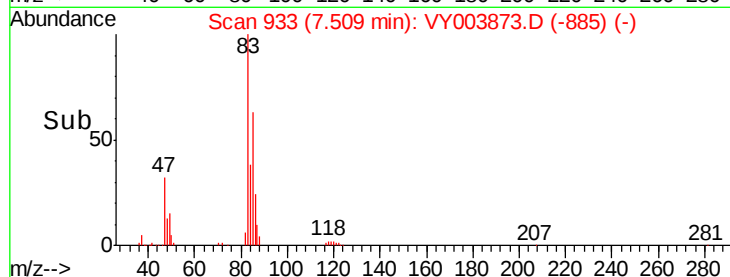
60000

40000

20000

0

Time--> 7.40 7.50 7.60



#27

1,2-Dichloroethane

Concen: 26.024 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VY003873.D

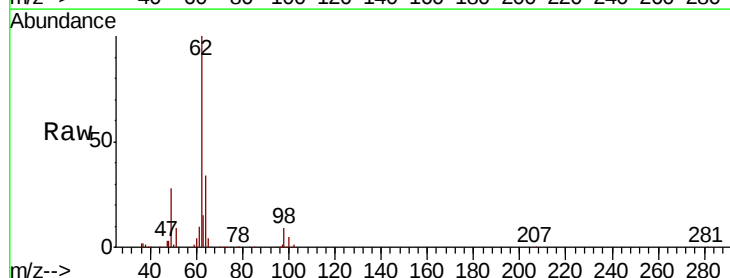
Acq: 04 Jan 2021 16:20

Tgt Ion: 62 Resp: 175377

Ion Ratio Lower Upper

62 100

98 9.1 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

8.24

80000

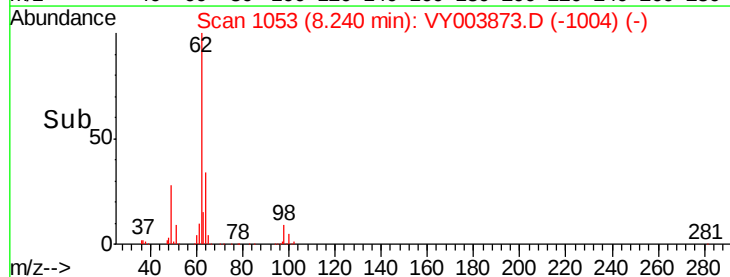
60000

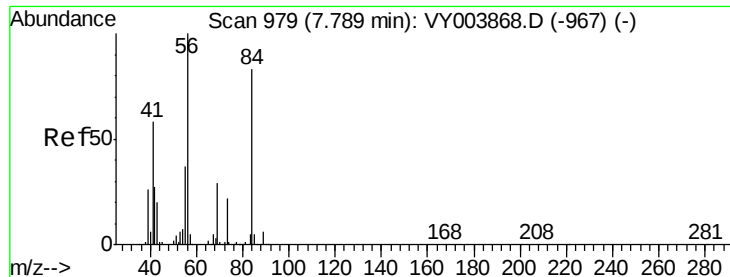
40000

20000

0

Time--> 8.15 8.20 8.25 8.30 8.35

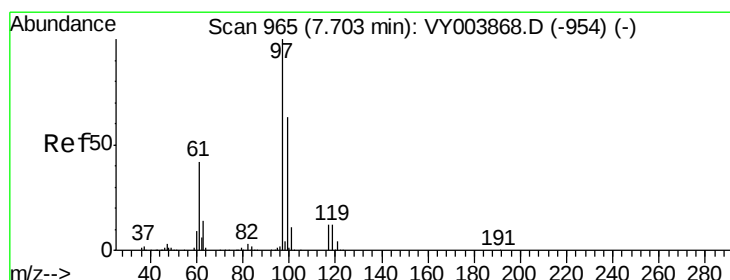
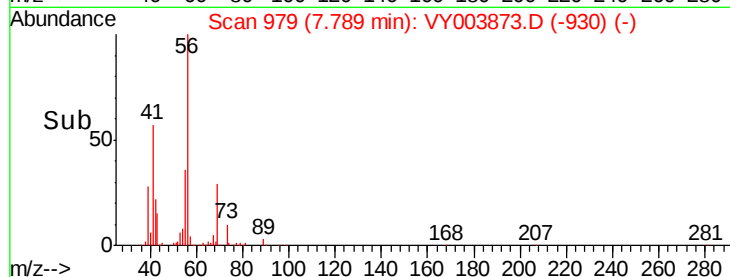
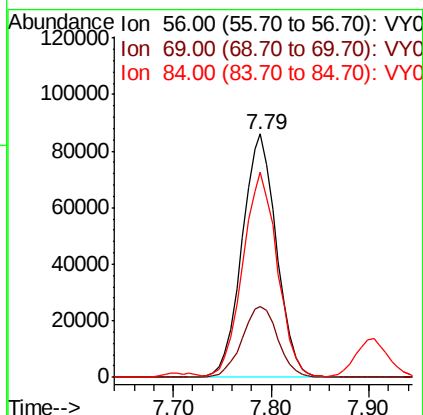
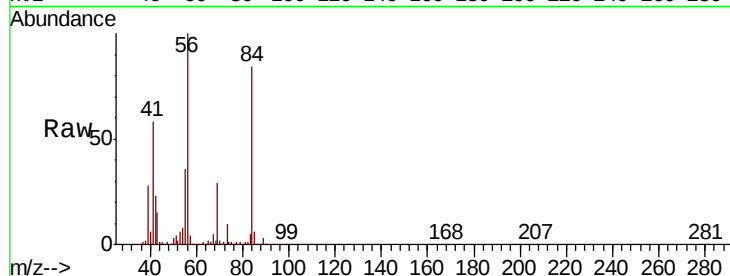




#29
Cyclohexane
Concen: 26.503 ug/L
RT: 7.79 min Scan# 979
Delta R.T. 0.00 min
Lab File: VY003873.D
Acq: 04 Jan 2021 16:20

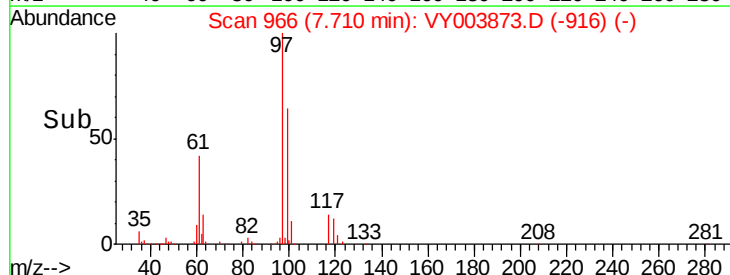
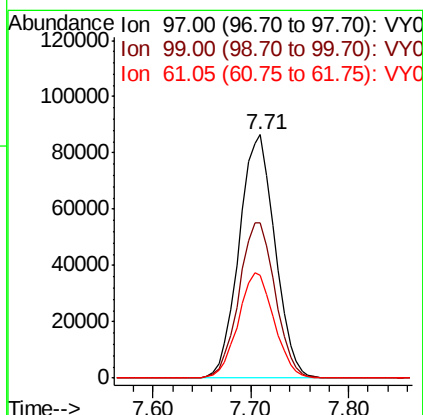
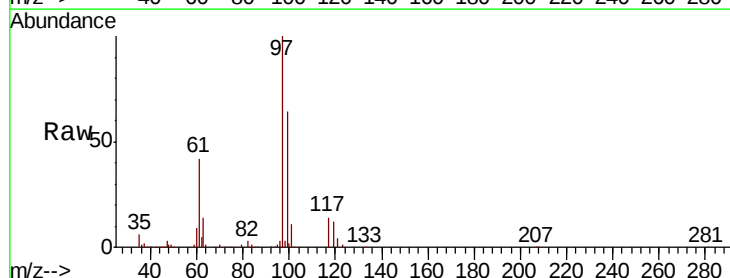
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025206

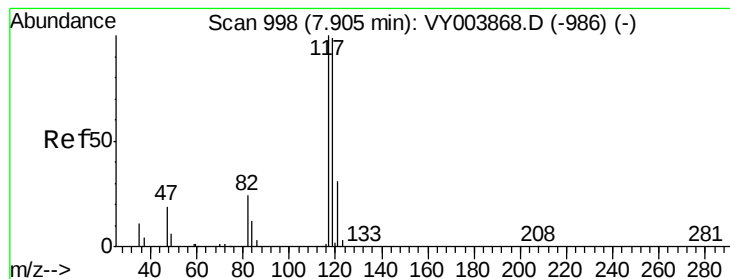
Tot Ion: 56 Resp: 210471
Ion Ratio Lower Upper
56 100
69 30.4 24.2 36.2
84 85.1 68.7 103.1



#30
1,1,1-Trichloroethane
Concen: 27.014 ug/L
RT: 7.71 min Scan# 966
Delta R.T. 0.01 min
Lab File: VY003873.D
Acq: 04 Jan 2021 16:20

Tgt Ion: 97 Resp: 220343
Ion Ratio Lower Upper
97 100
99 64.5 50.5 75.7
61 43.3 35.5 53.3





#31

Carbon tetrachloride

Concen: 27.024 ug/L

RT: 7.90 min Scan# 998

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

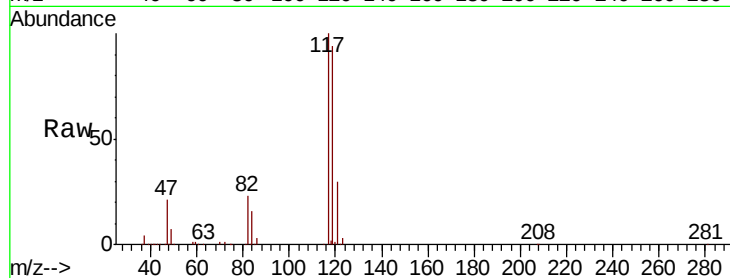
VSTD025206

Tot Ion:117 Resp: 203842

Ion Ratio Lower Upper

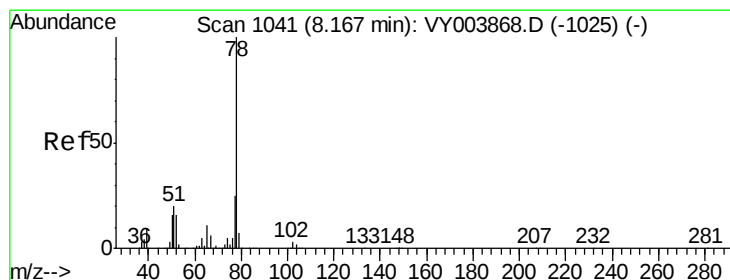
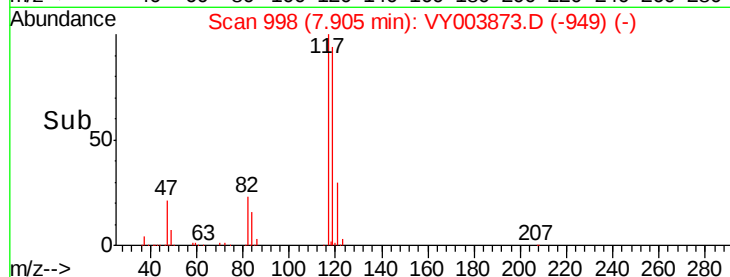
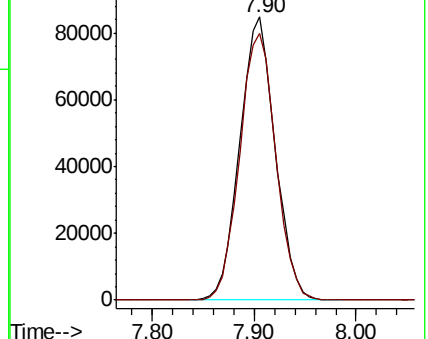
117 100

119 96.5 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 26.857 ug/L

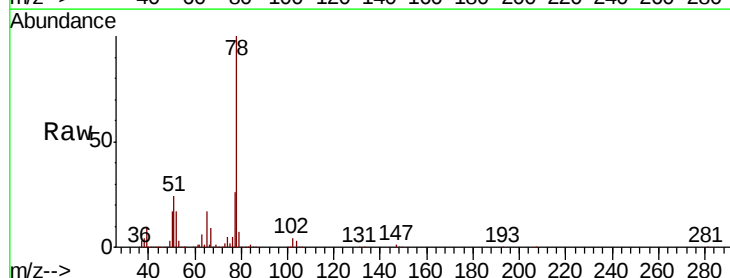
RT: 8.16 min Scan# 1040

Delta R.T. -0.01 min

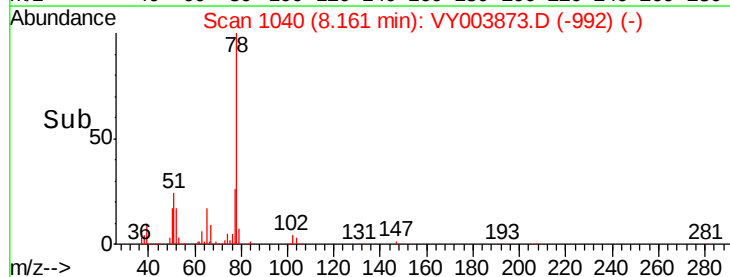
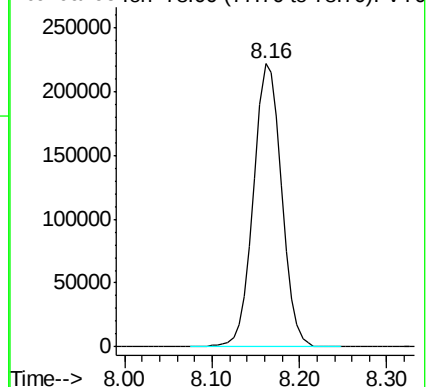
Lab File: VY003873.D

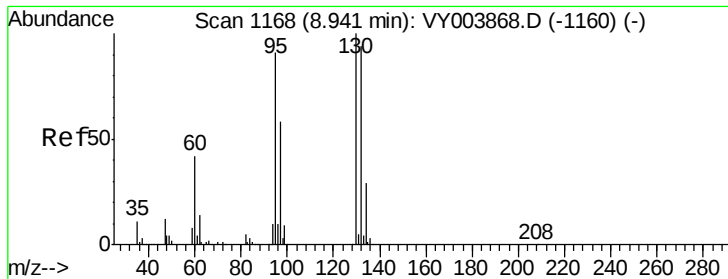
Acq: 04 Jan 2021 16:20

Tgt Ion: 78 Resp: 497492



Abundance Ion 78.00 (77.70 to 78.70): VY0

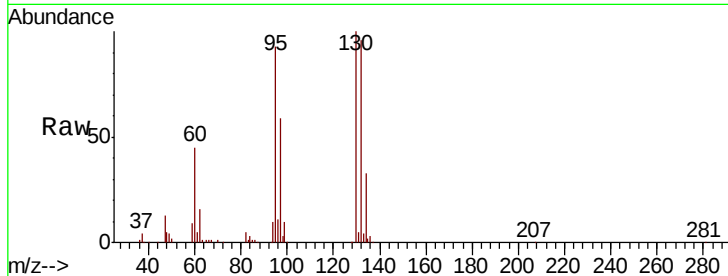




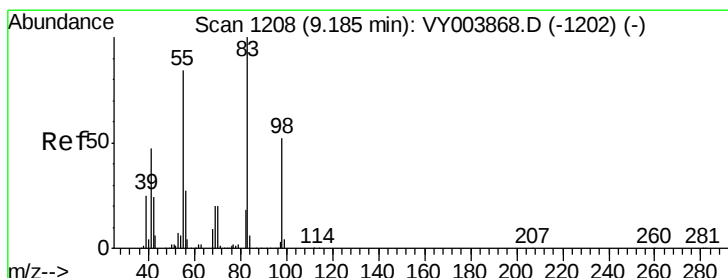
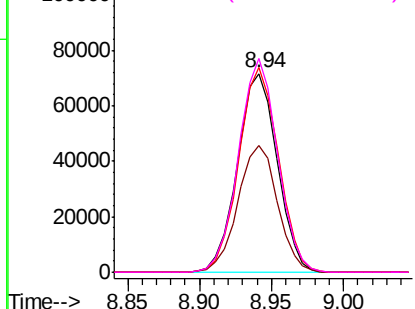
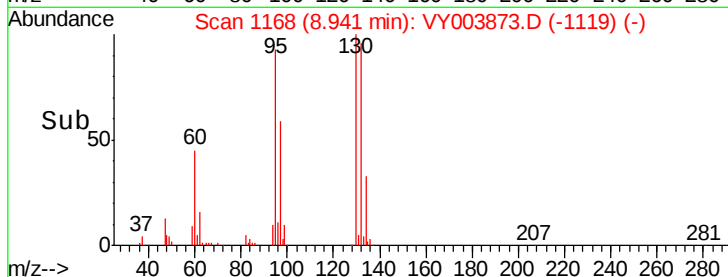
#34
 Trichloroethene
 Concen: 26.782 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: VY003873.D
 Acq: 04 Jan 2021 16:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025206

Tot Ion: 95 Resp: 137103
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.4 82.5
 132 103.1 71.8 133.4
 130 107.4 74.4 138.2

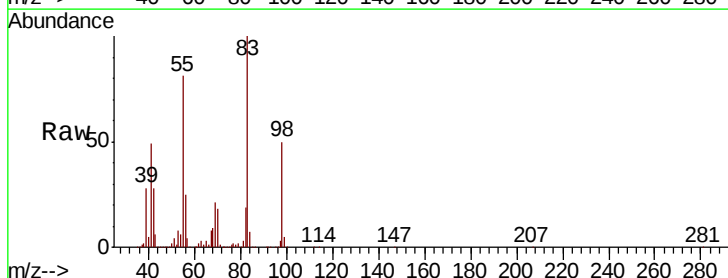


Abundance Ion 95.00 (94.70 to 95.70): VY0
 120000 Ion 97.00 (96.70 to 97.70): VY0
 100000 Ion 132.00 (131.70 to 132.70): VY0
 80000 Ion 130.00 (129.70 to 130.70): VY0

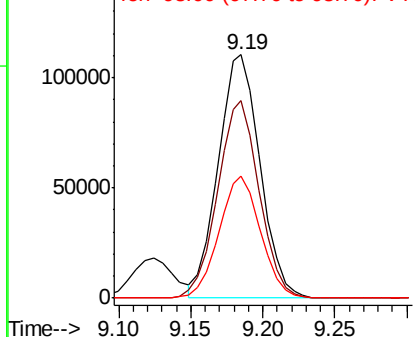
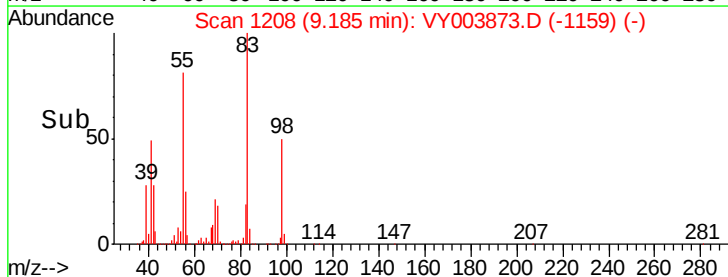


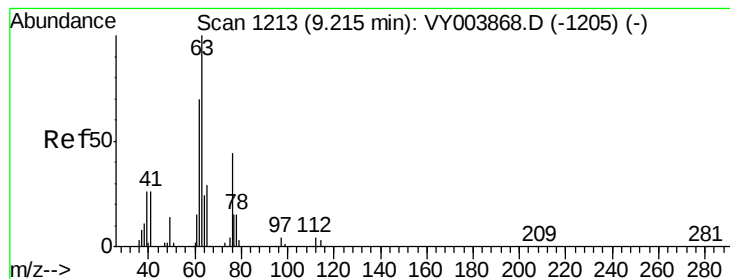
#35
 Methylcyclohexane
 Concen: 26.866 ug/L
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VY003873.D
 Acq: 04 Jan 2021 16:20

Tgt Ion: 83 Resp: 223824
 Ion Ratio Lower Upper
 83 100
 55 80.5 62.9 94.3
 98 49.7 39.7 59.5



Abundance Ion 83.00 (82.70 to 83.70): VY0
 150000 Ion 55.00 (54.70 to 55.70): VY0
 100000 Ion 98.00 (97.70 to 98.70): VY0





#37

1,2-Dichloropropane

Concen: 27.017 ug/L

RT: 9.22 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

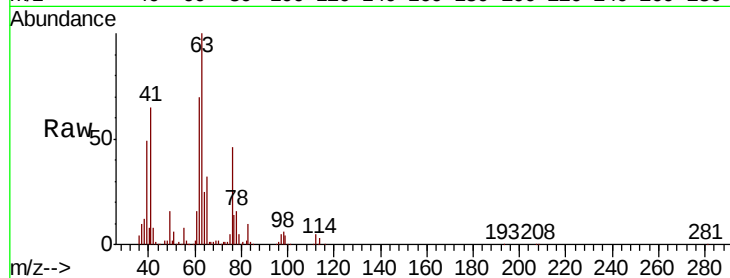
VSTD025206

Tot Ion: 63 Resp: 127408

Ion Ratio Lower Upper

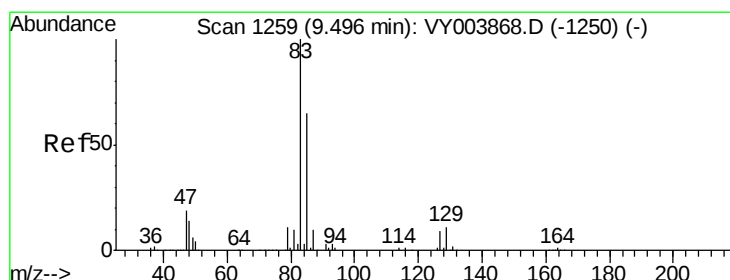
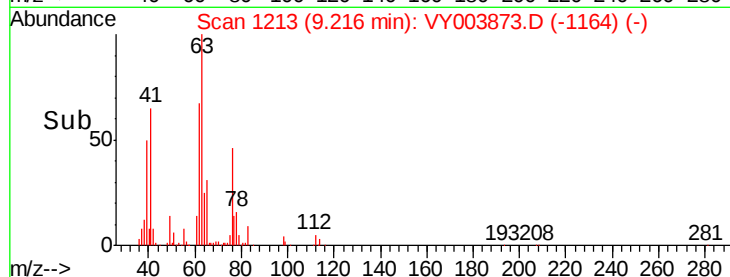
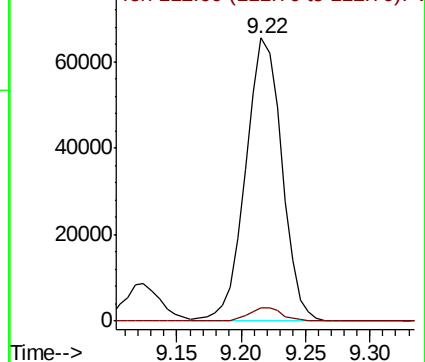
63 100

112 4.4 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 27.388 ug/L

RT: 9.50 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

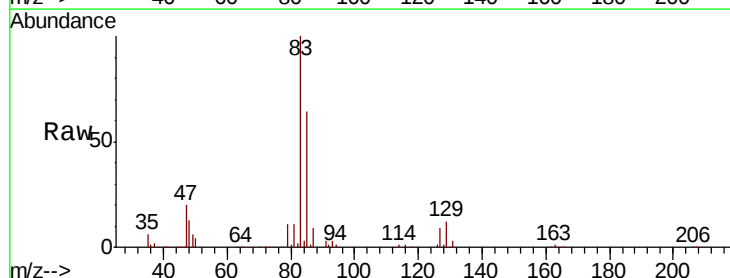
Tgt Ion: 83 Resp: 181969

Ion Ratio Lower Upper

83 100

85 63.5 44.2 82.0

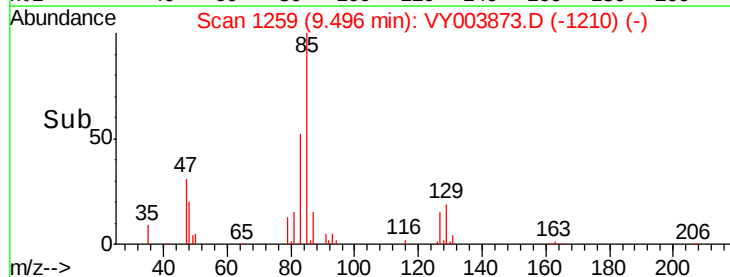
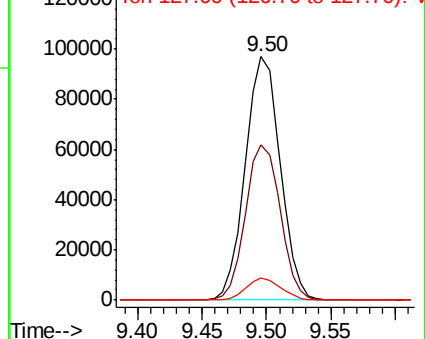
127 9.3 7.3 10.9

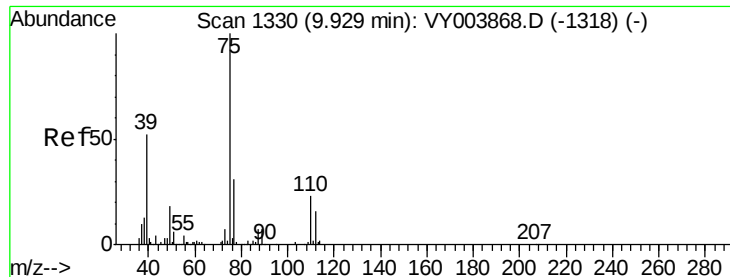


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V





#39

cis-1,3-Dichloropropene

Concen: 26.959 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

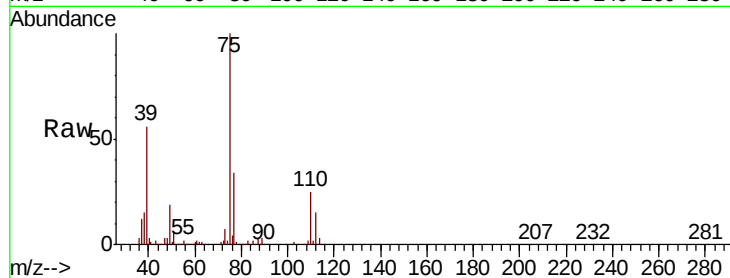
VSTD025206

Tot Ion: 75 Resp: 217188

Ion Ratio Lower Upper

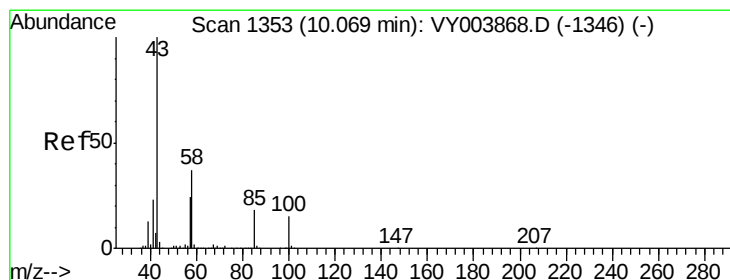
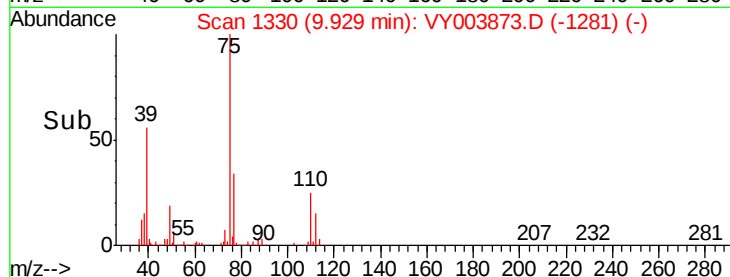
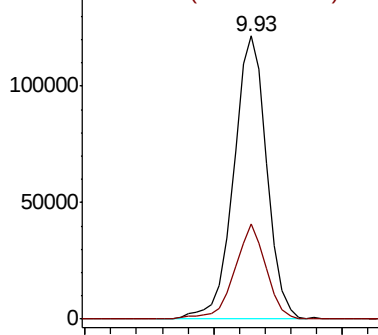
75 100

77 33.5 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: 51.275 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

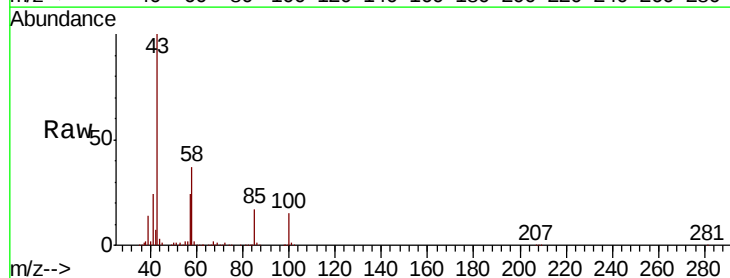
Tgt Ion: 43 Resp: 258141

Ion Ratio Lower Upper

43 100

58 37.1 29.6 44.4

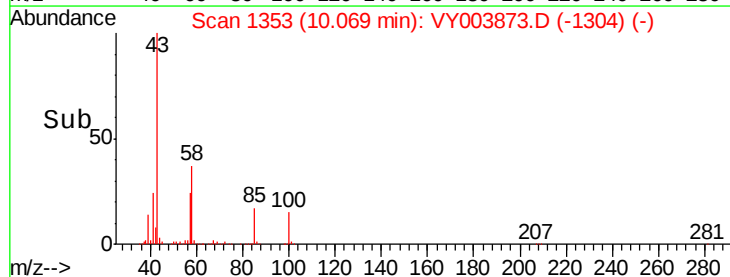
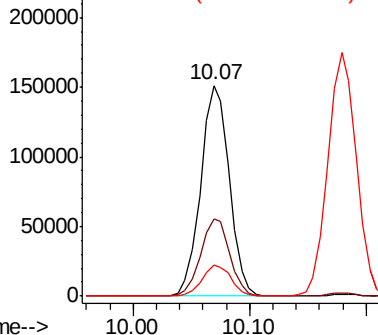
100 14.9 11.8 17.6

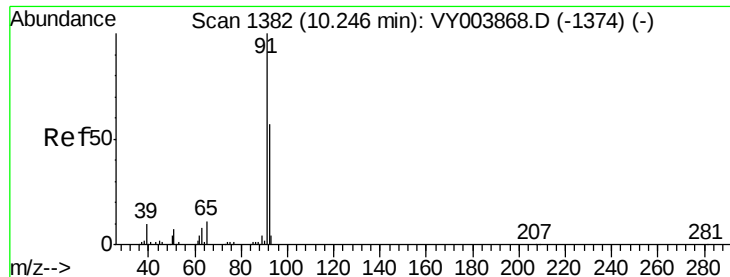


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#42

Toluene

Concen: 27.153 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

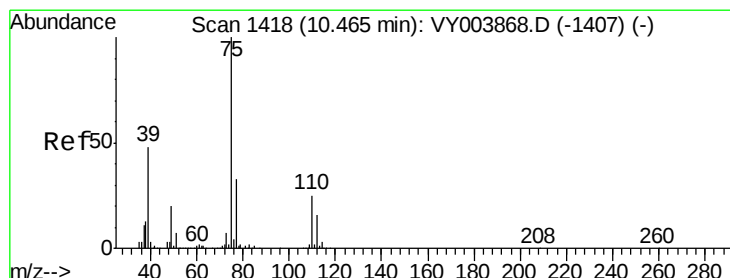
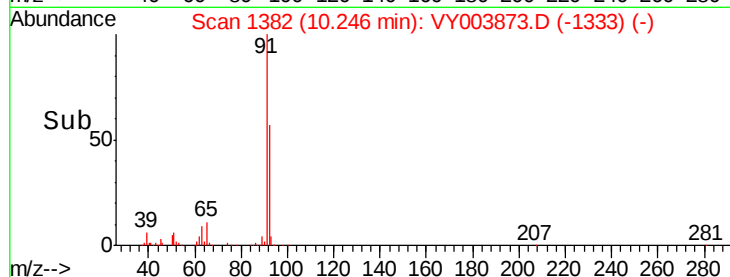
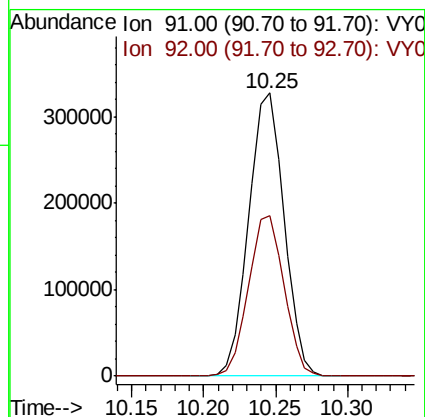
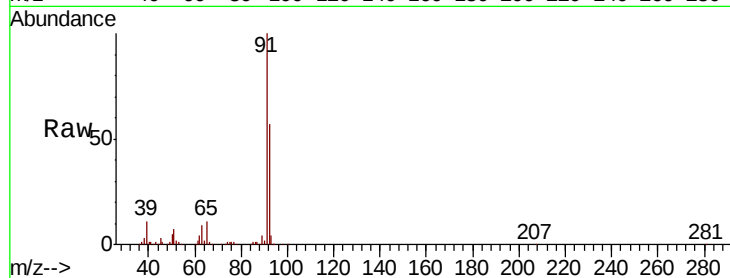
VSTD025206

Tot Ion: 91 Resp: 556380

Ion Ratio Lower Upper

91 100

92 56.8 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 26.807 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003873.D

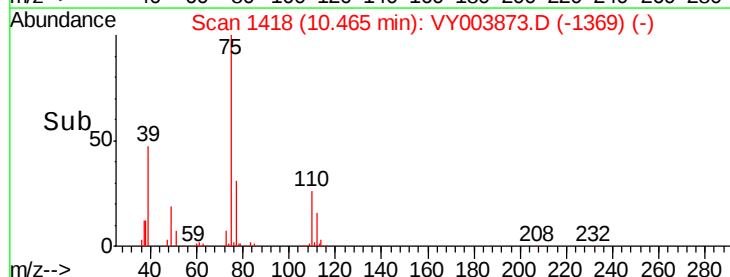
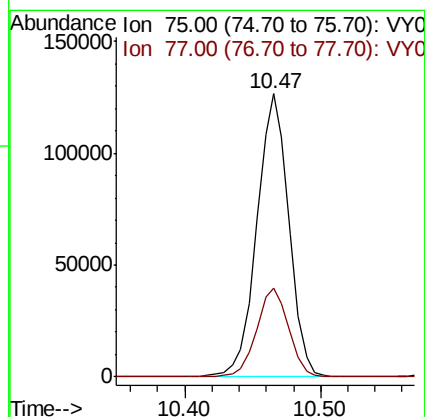
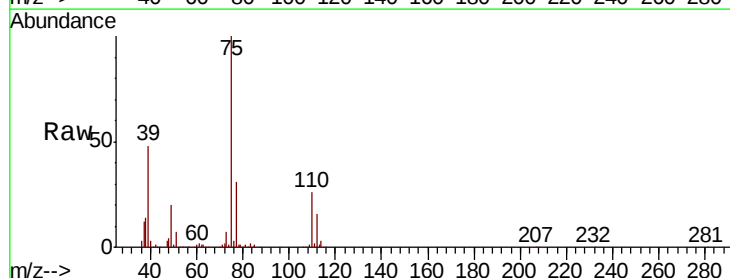
Acq: 04 Jan 2021 16:20

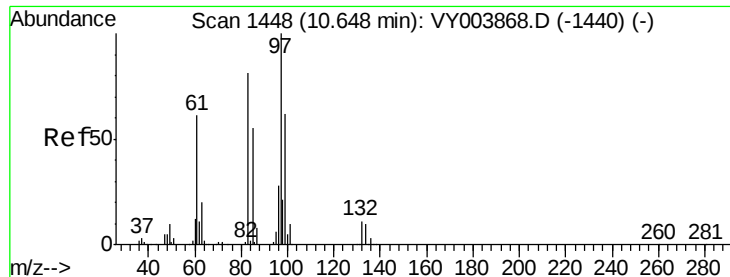
Tgt Ion: 75 Resp: 208482

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7

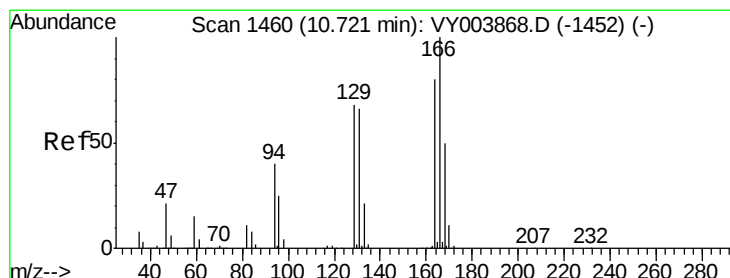
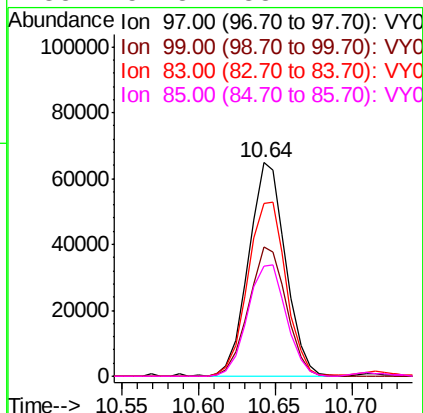
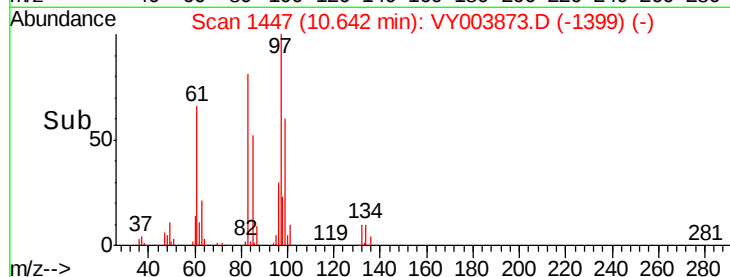
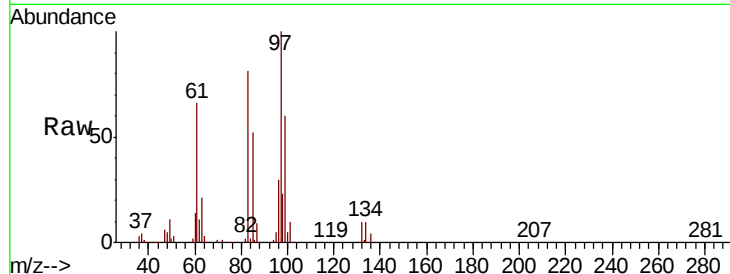




#45
 1,1,2-Trichloroethane
 Concen: 26.901 ug/L
 RT: 10.64 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: VY003873.D
 Acq: 04 Jan 2021 16:20

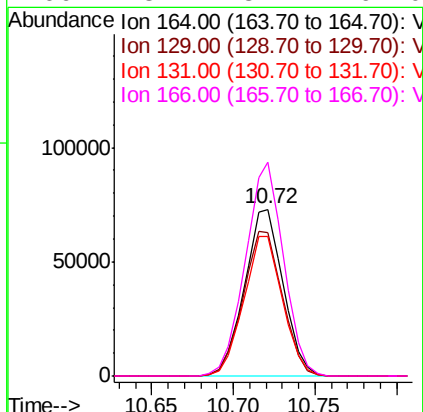
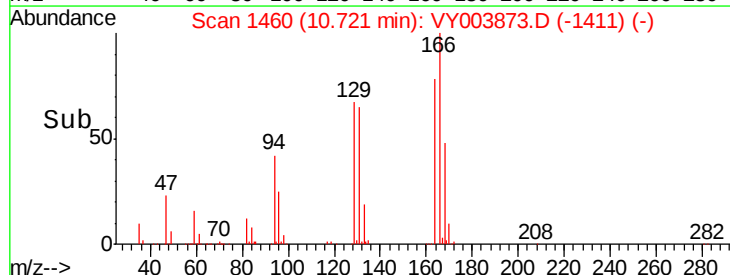
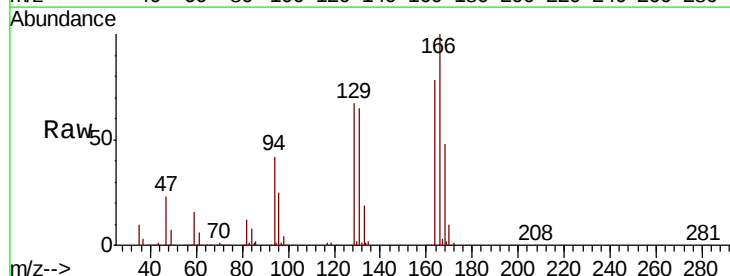
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025206

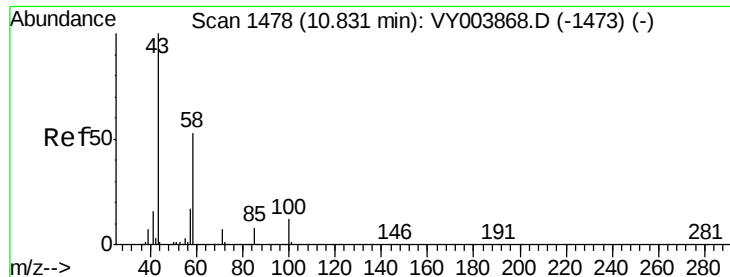
Tot Ion:	97	Resp:	108959
Ion	Ratio	Lower	Upper
97	100		
99	60.5	46.0	85.4
83	81.1	60.8	112.8
85	51.8	38.4	71.2



#46
 Tetrachloroethene
 Concen: 27.131 ug/L
 RT: 10.72 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: VY003873.D
 Acq: 04 Jan 2021 16:20

Tgt Ion:	164	Resp:	120137
Ion	Ratio	Lower	Upper
164	100		
129	86.1	62.5	116.1
131	83.7	60.7	112.7
166	128.2	87.2	162.0

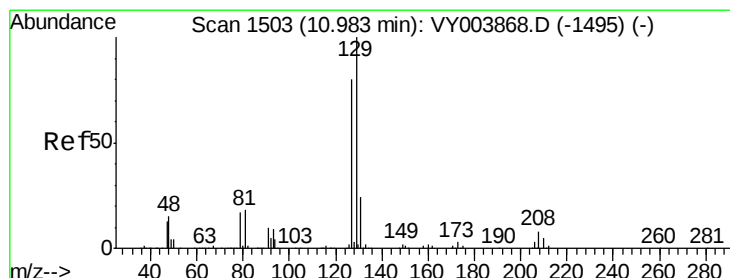
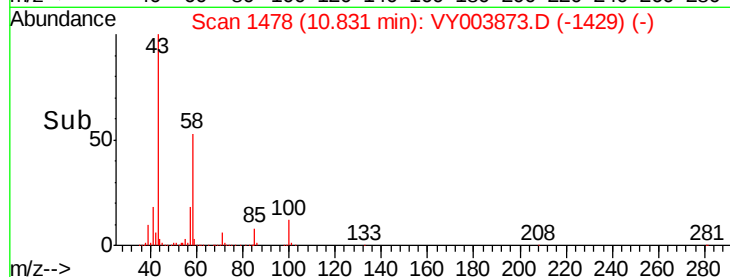
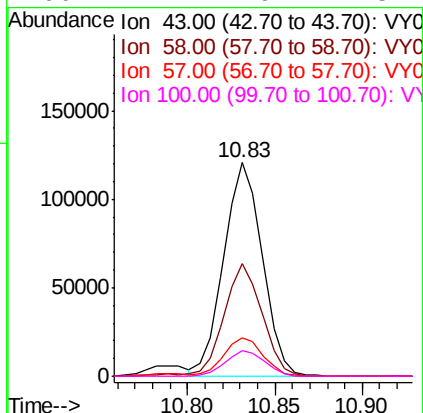
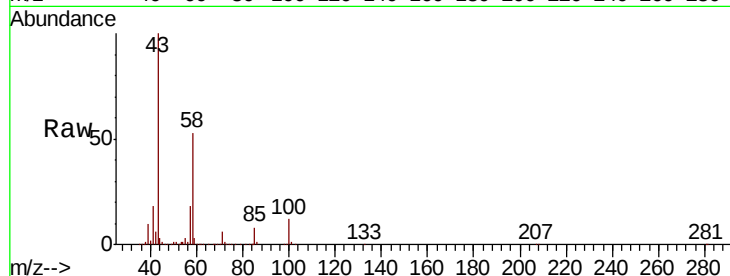




#48
2-Hexanone
Concen: 50.394 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003873.D
Acq: 04 Jan 2021 16:20

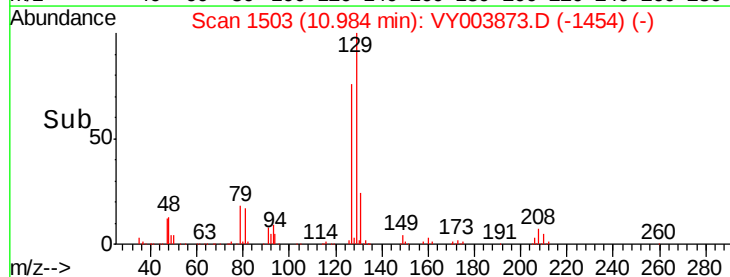
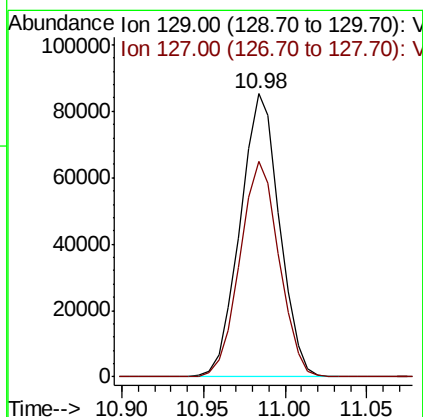
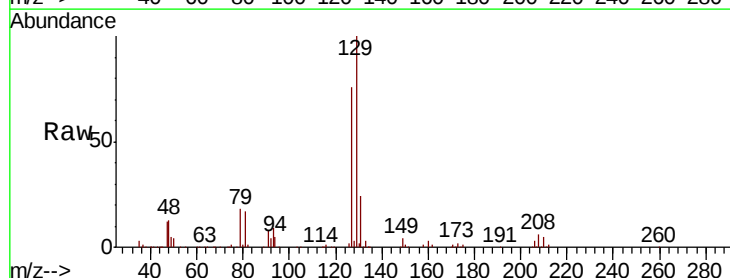
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025206

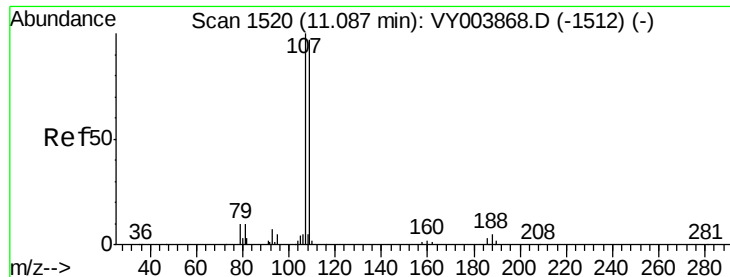
Tot Ion:	43	Resp:	184856
Ion	Ratio	Lower	Upper
43	100		
58	51.7	40.6	60.8
57	18.2	14.5	21.7
100	12.2	9.1	13.7



#49
Dibromochloromethane
Concen: 27.959 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003873.D
Acq: 04 Jan 2021 16:20

Tgt Ion:	129	Resp:	143375
Ion	Ratio	Lower	Upper
129	100		
127	76.0	52.7	97.9

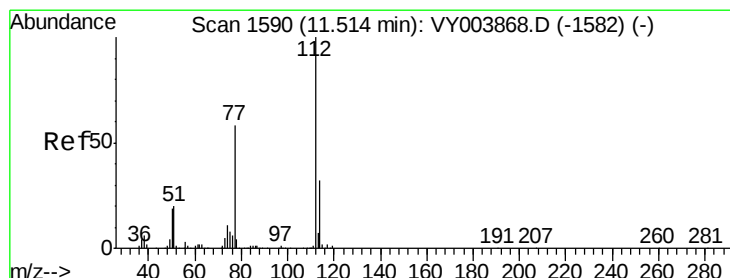
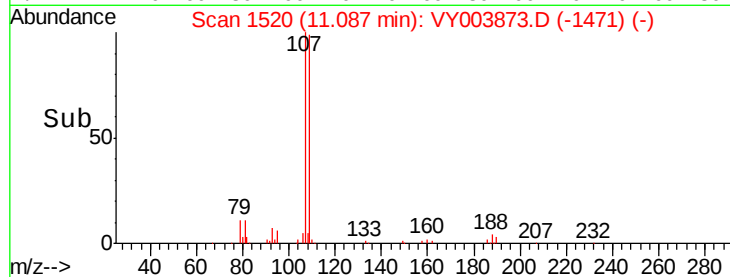
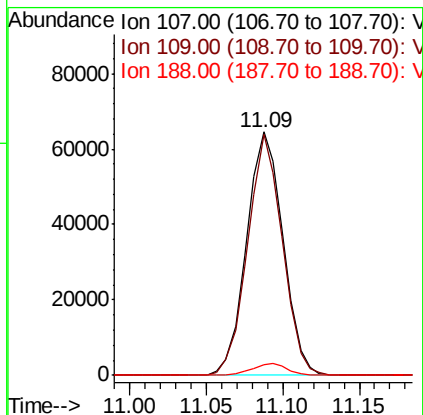
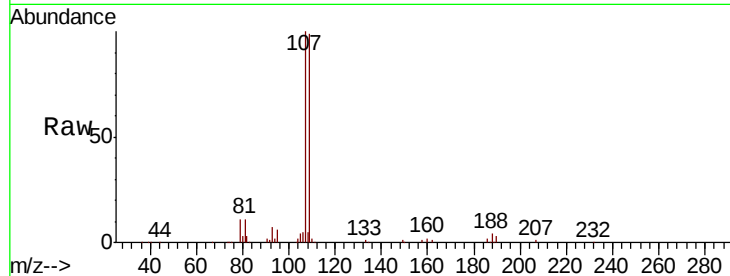




#50
 1,2-Dibromoethane
 Concen: 26.728 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. 0.00 min
 Lab File: VY003873.D
 Acq: 04 Jan 2021 16:20

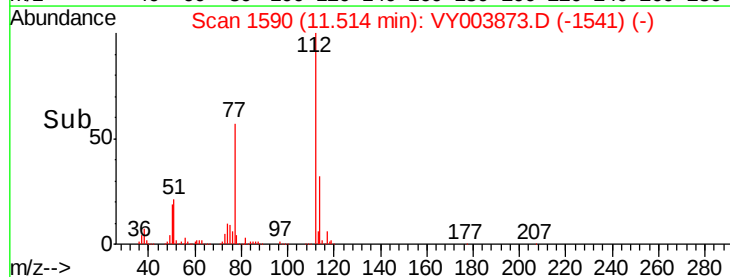
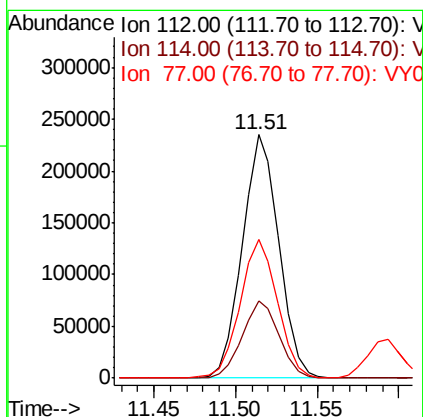
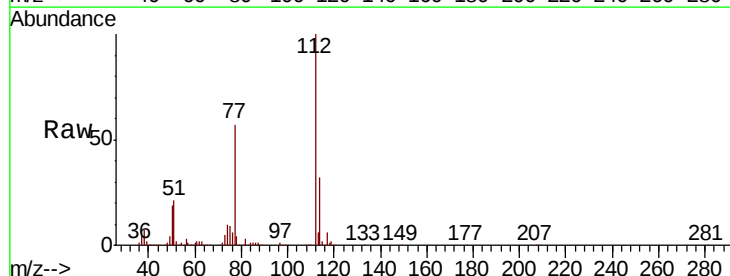
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025206

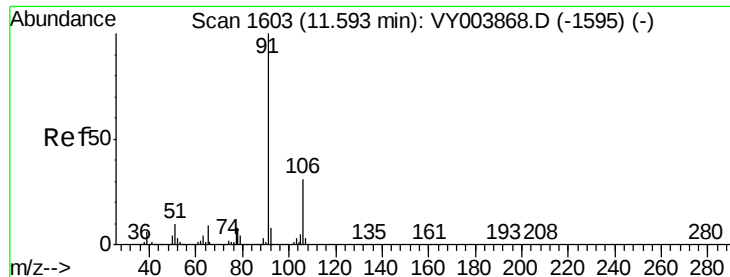
Tot Ion	Ratio	Lower	Upper
107	100		
109	99.1	65.5	121.7
188	4.4	3.6	5.4



#51
 Chlorobenzene
 Concen: 27.573 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VY003873.D
 Acq: 04 Jan 2021 16:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.5	41.9
77	56.7	45.2	67.8





#52

Ethylbenzene

Concen: 27.353 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

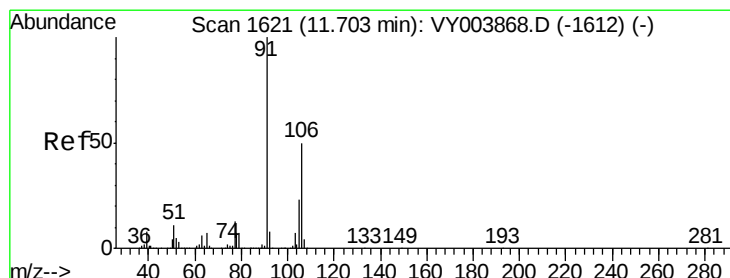
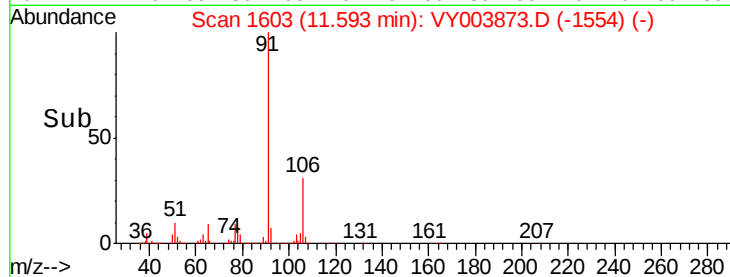
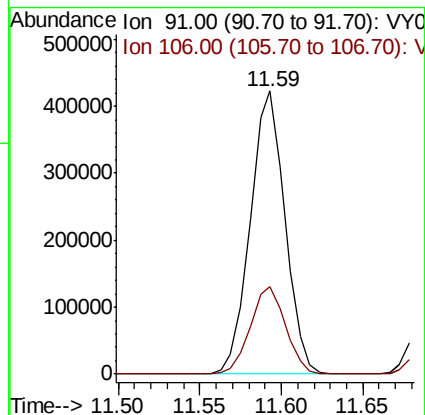
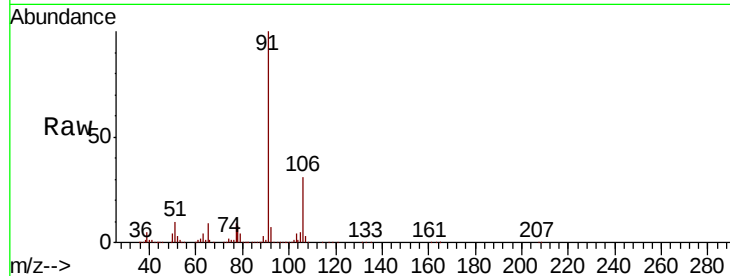
VSTD025206

Tot Ion: 91 Resp: 627837

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.0



#53

m,p-Xylene

Concen: 27.474 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003873.D

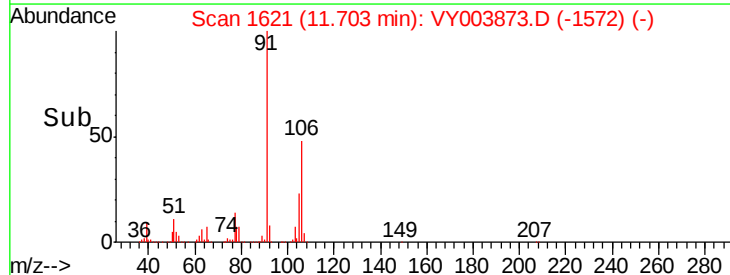
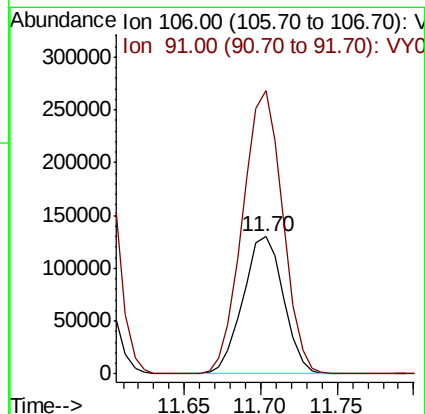
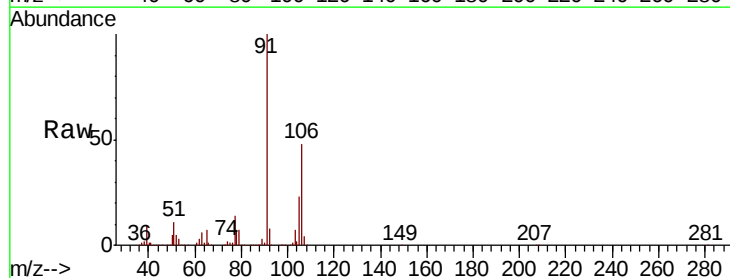
Acq: 04 Jan 2021 16:20

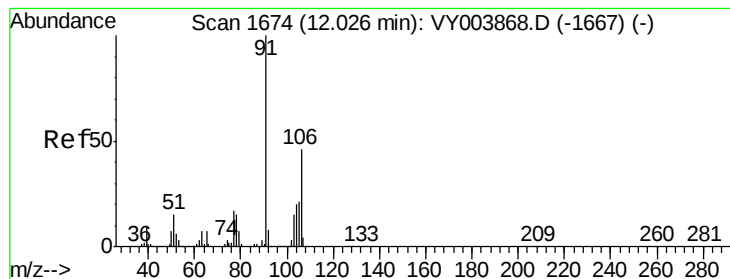
Tgt Ion: 106 Resp: 239148

Ion Ratio Lower Upper

106 100

91 206.6 146.3 271.7





#54

o-Xylene

Concen: 27.283 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

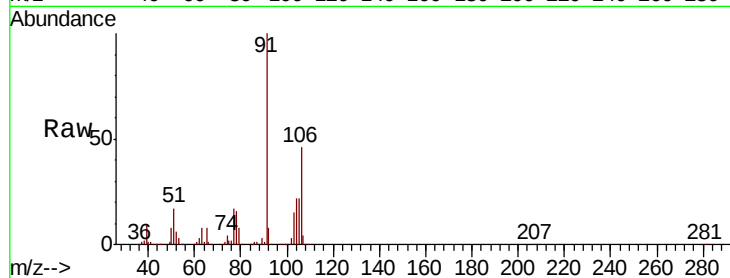
VSTD025206

Tot Ion:106 Resp: 231234

Ion Ratio Lower Upper

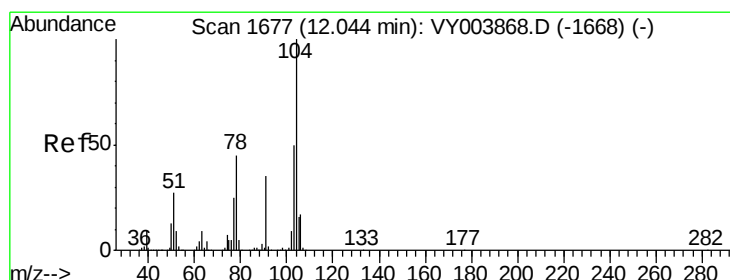
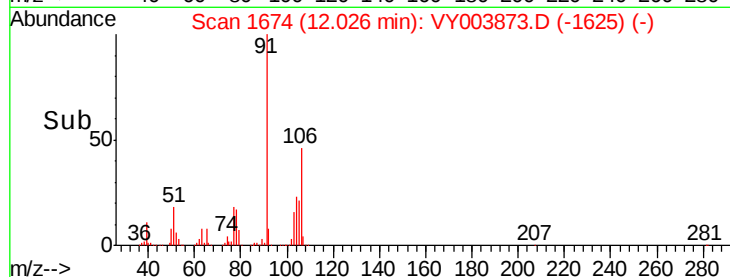
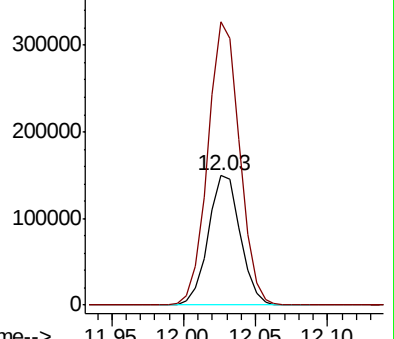
106 100

91 218.3 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

Styrene

Concen: 27.769 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VY003873.D

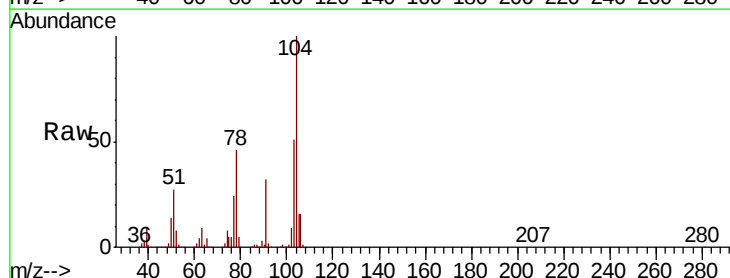
Acq: 04 Jan 2021 16:20

Tgt Ion:104 Resp: 407003

Ion Ratio Lower Upper

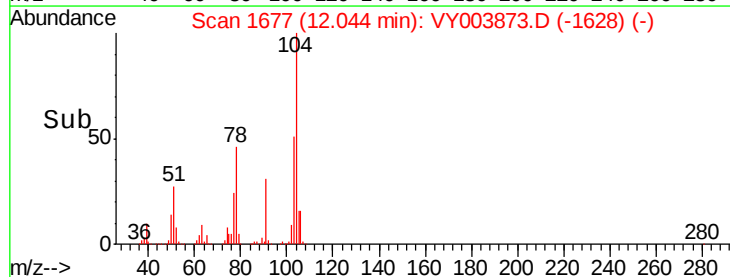
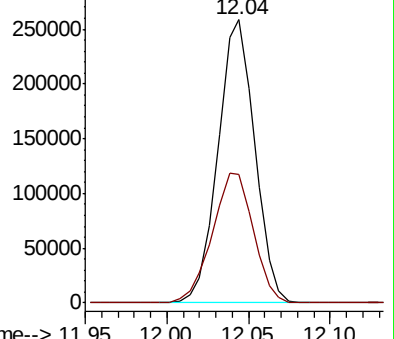
104 100

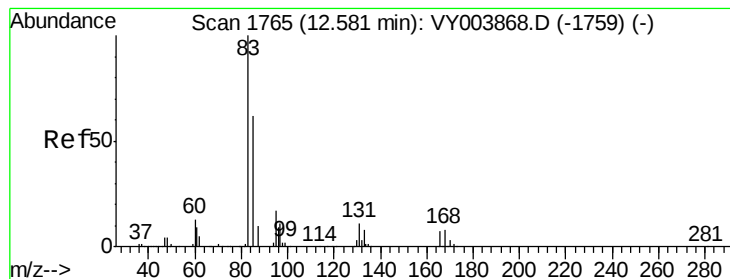
78 45.6 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

1,1,2,2-Tetrachloroethane

Concen: 27.096 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025206

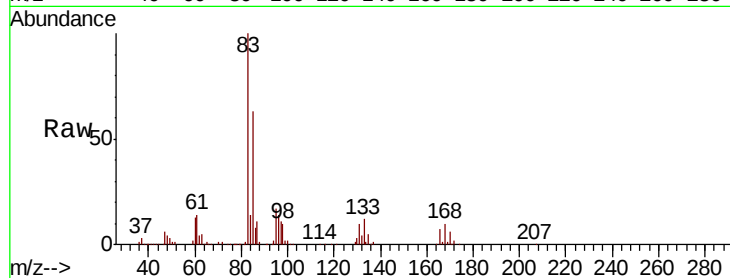
Tot Ion: 83 Resp: 129879

Ion Ratio Lower Upper

83 100

85 62.9 44.9 83.3

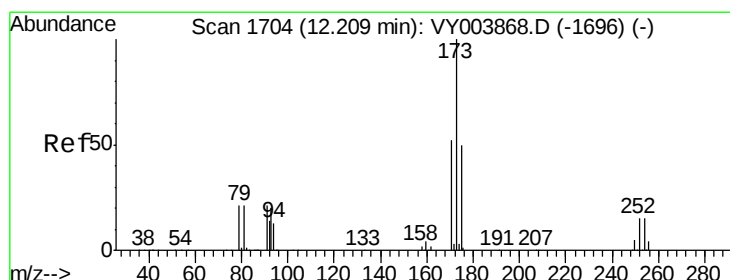
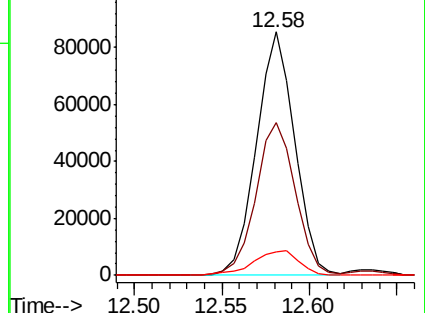
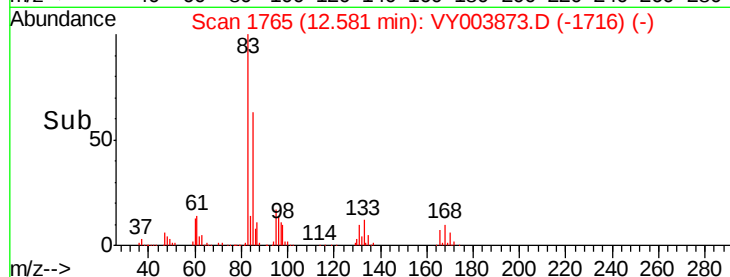
131 9.8 9.0 13.6



Abundance Ion 83.00 (82.70 to 83.70): VY003873.D (-1716) (-)

Ion 85.00 (84.70 to 85.70): VY003873.D (-1716) (-)

Ion 131.00 (130.70 to 131.70): VY003873.D (-1716) (-)



#59

Bromoform

Concen: 27.034 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

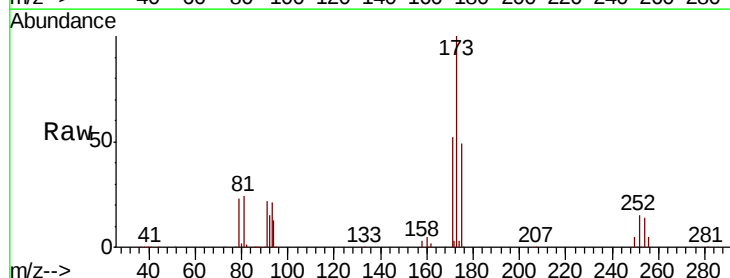
Tgt Ion: 173 Resp: 103030

Ion Ratio Lower Upper

173 100

175 47.3 38.9 58.3

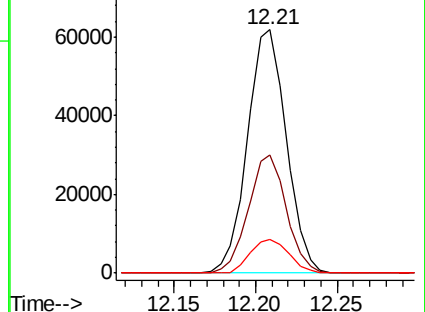
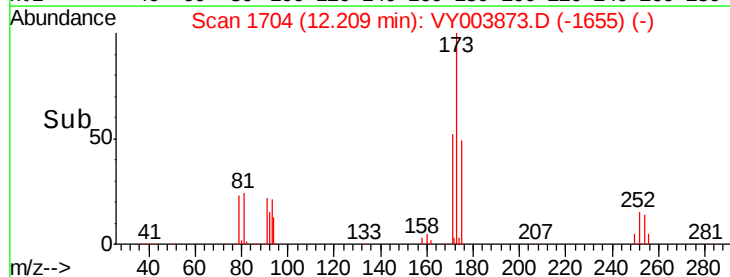
254 13.4 11.5 17.3

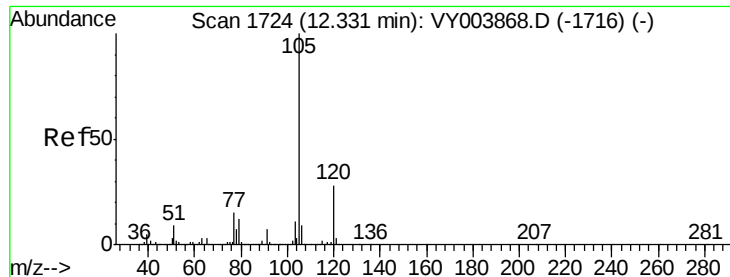


Abundance Ion 173.00 (172.70 to 173.70): VY003873.D (-1655) (-)

Ion 175.00 (174.70 to 175.70): VY003873.D (-1655) (-)

Ion 254.00 (253.70 to 254.70): VY003873.D (-1655) (-)





#60

Isopropylbenzene

Concen: 27.562 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025206

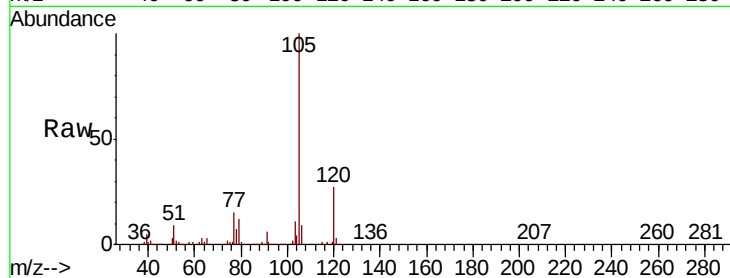
Tot Ion: 105 Resp: 643452

Ion Ratio Lower Upper

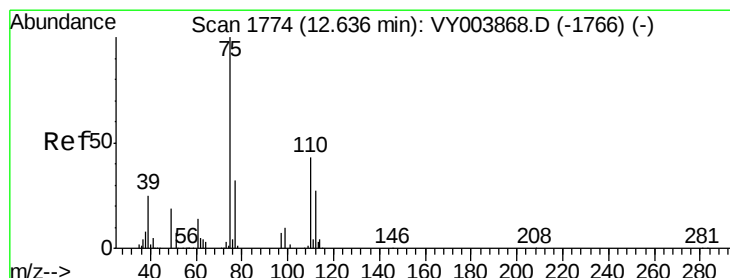
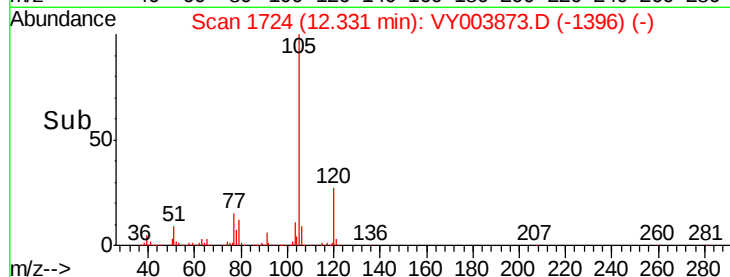
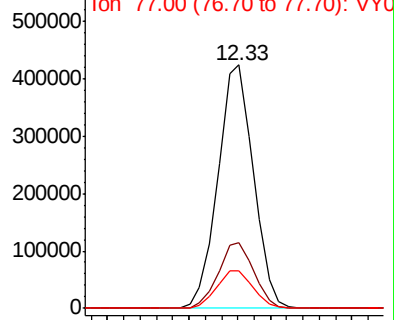
105 100

120 27.1 21.7 32.5

77 16.0 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): VY003873.D (-1396) (-)



#61

1,2,3-Trichloropropane

Concen: 25.292 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

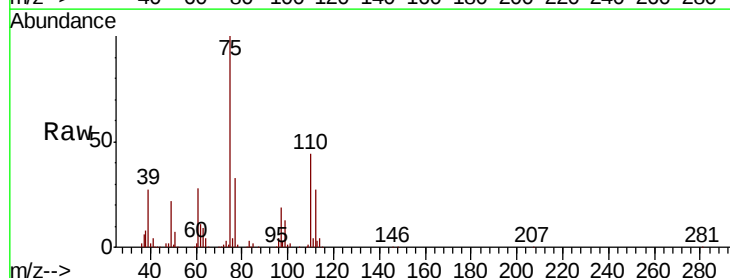
Tgt Ion: 75 Resp: 109685

Ion Ratio Lower Upper

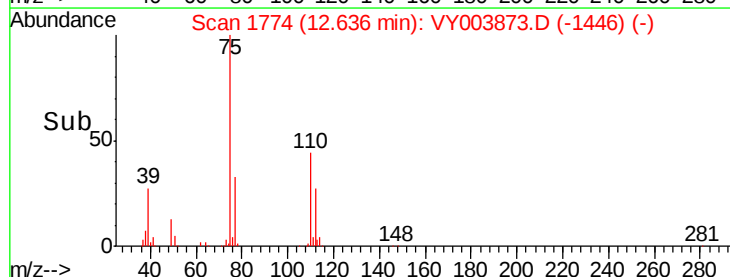
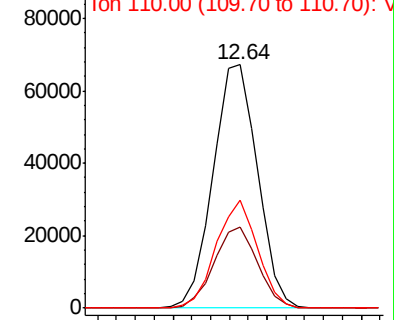
75 100

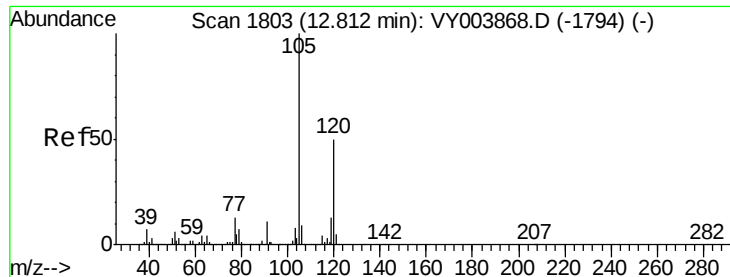
77 33.0 26.2 39.4

110 41.3 32.4 48.6



Abundance Ion 75.00 (74.70 to 75.70): VY003873.D (-1446) (-)





#62

1,3,5-Trimethylbenzene

Concen: 27.657 ug/L

RT: 12.81 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VY003873.D

Acq: 04 Jan 2021 16:20

Instrument :

MSVOA_Y

ClientSampleId :

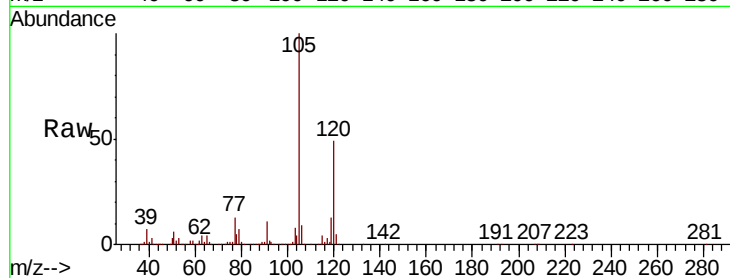
VSTD025206

Tot Ion:105 Resp: 536280

Ion Ratio Lower Upper

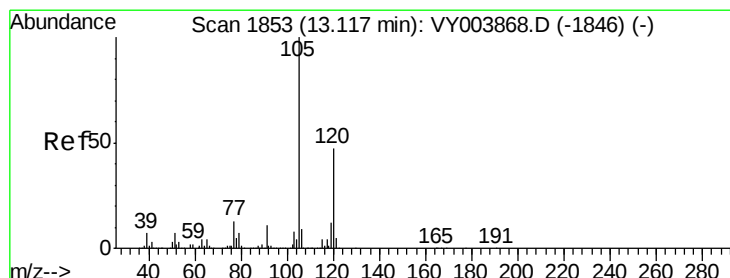
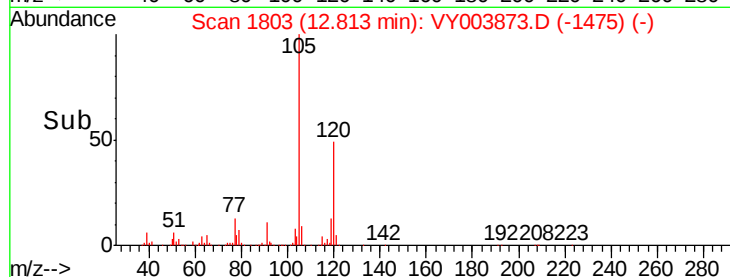
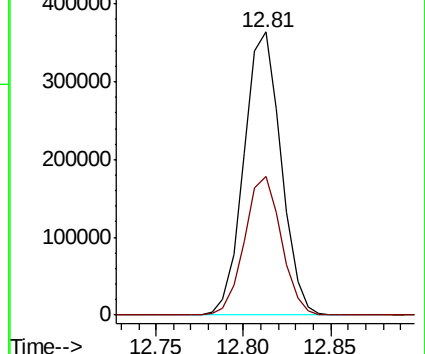
105 100

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



#63

1,2,4-Trimethylbenzene

Concen: 27.489 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003873.D

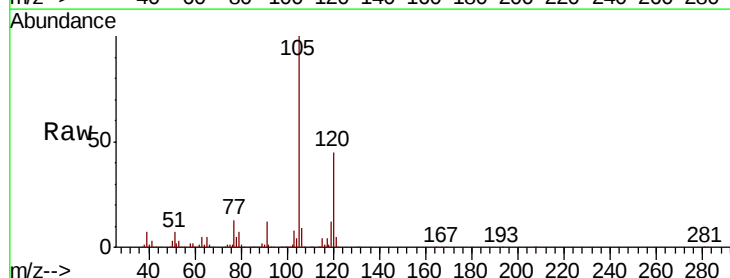
Acq: 04 Jan 2021 16:20

Tgt Ion:105 Resp: 539997

Ion Ratio Lower Upper

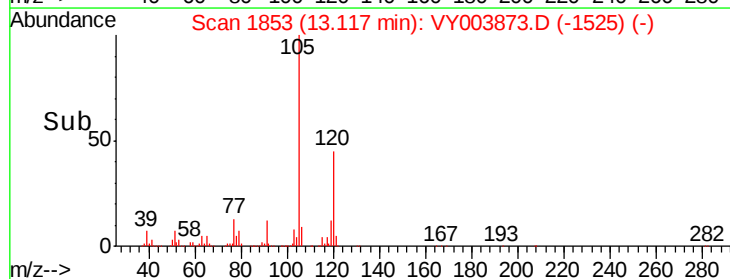
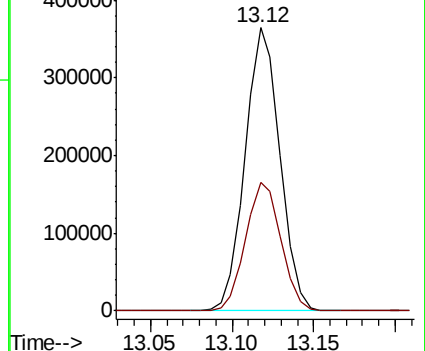
105 100

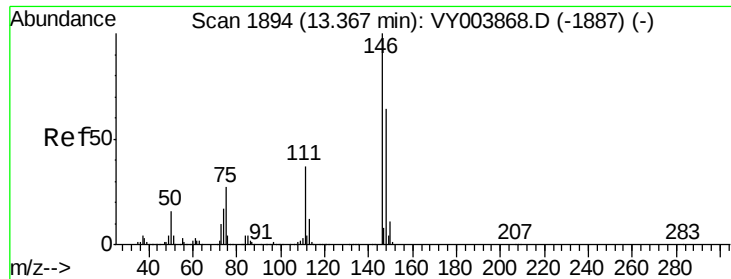
120 46.1 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

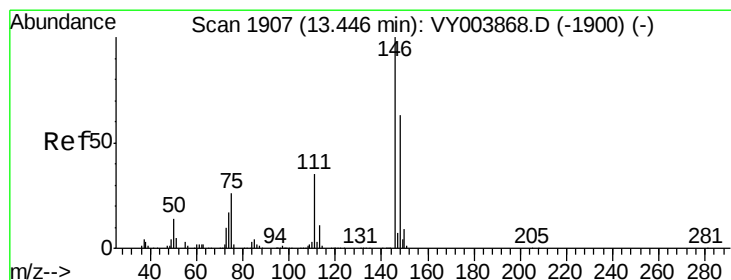
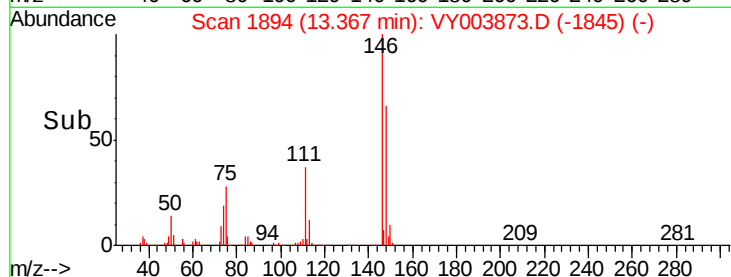
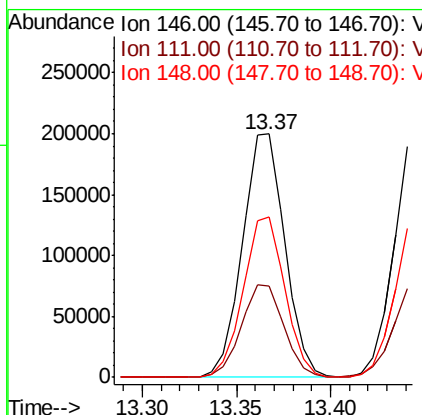
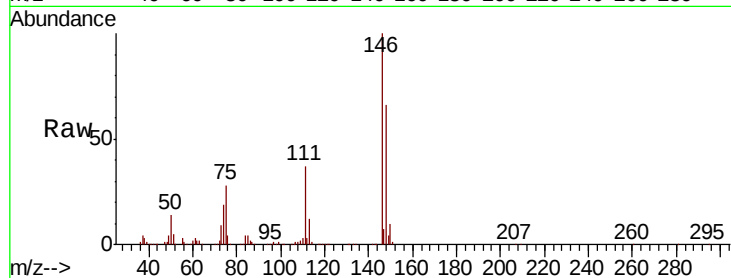




#64
 1,3-Dichlorobenzene
 Concen: 27.496 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. 0.00 min
 Lab File: VY003873.D
 Acq: 04 Jan 2021 16:20

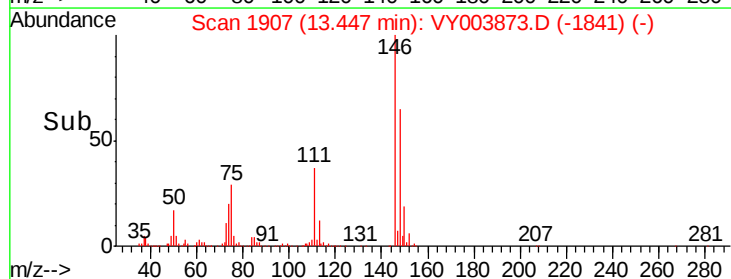
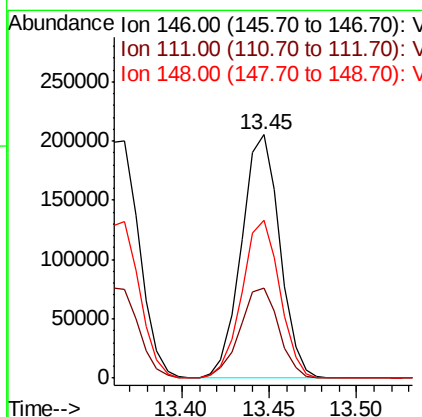
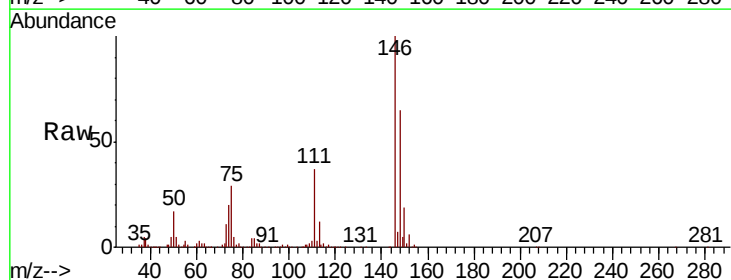
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025206

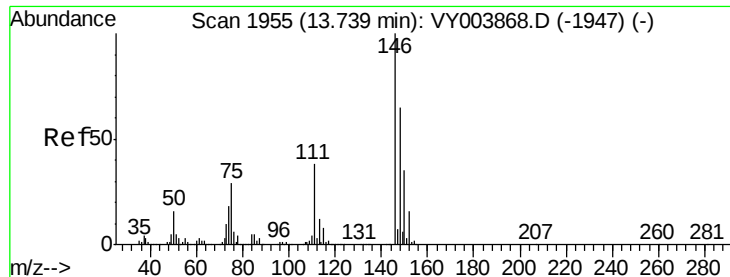
Tot Ion:146 Resp: 310947
 Ion Ratio Lower Upper
 146 100
 111 37.4 27.7 51.5
 148 66.0 45.4 84.4



#65
 1,4-Dichlorobenzene
 Concen: 27.339 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003873.D
 Acq: 04 Jan 2021 16:20

Tgt Ion:146 Resp: 313081
 Ion Ratio Lower Upper
 146 100
 111 37.0 25.7 47.7
 148 64.8 44.4 82.4

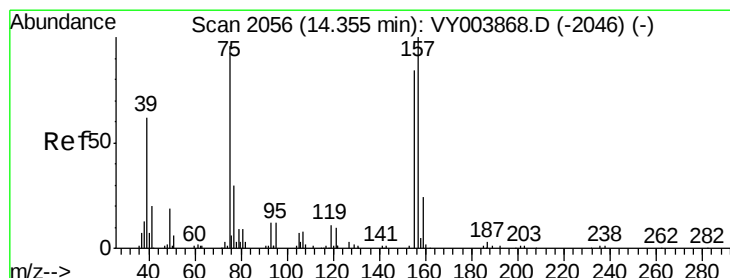
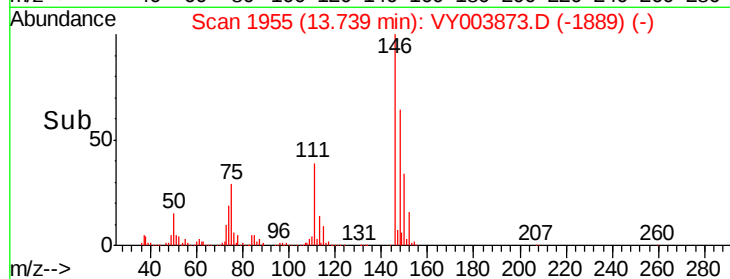
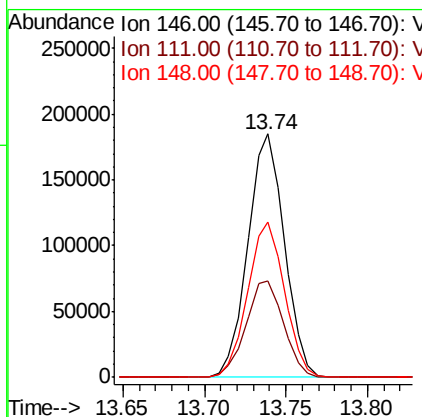
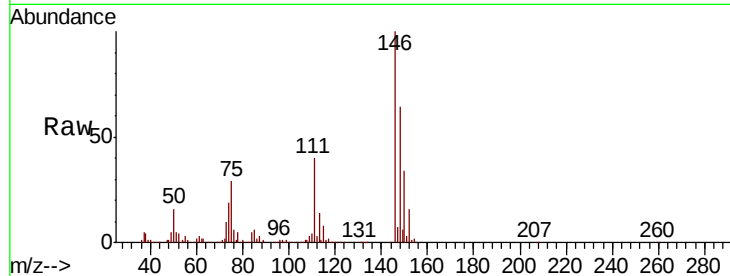




#67
 1,2-Dichlorobenzene
 Concen: 27.311 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VY003873.D
 Acq: 04 Jan 2021 16:20

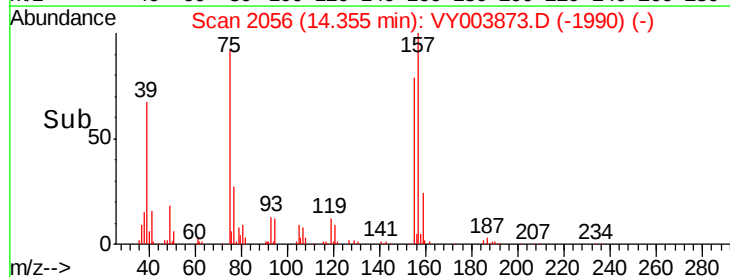
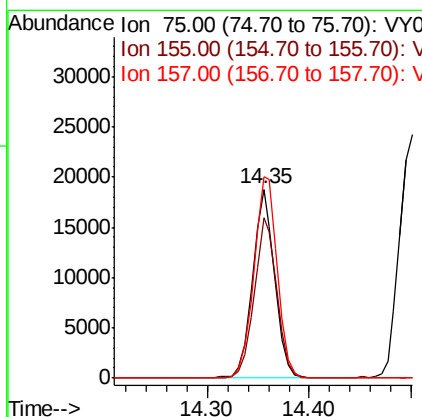
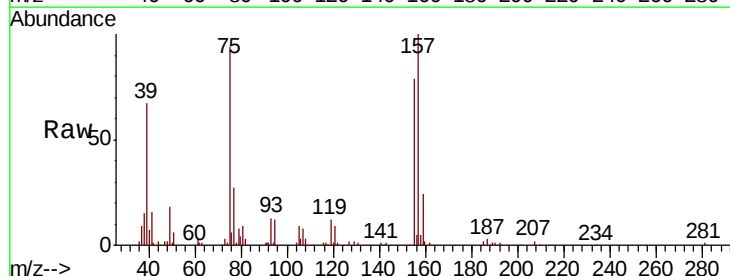
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025206

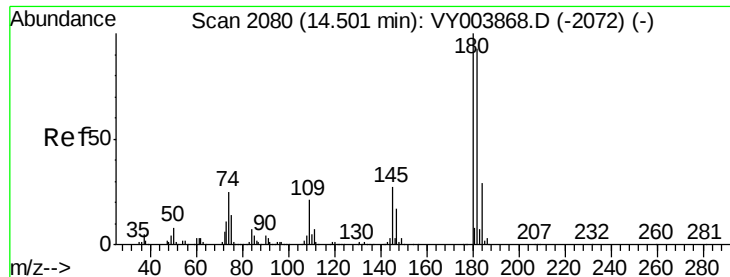
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	31.3	46.9
148	63.6	51.0	76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 26.310 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003873.D
 Acq: 04 Jan 2021 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	68.2	102.4
157	106.9	90.2	135.4

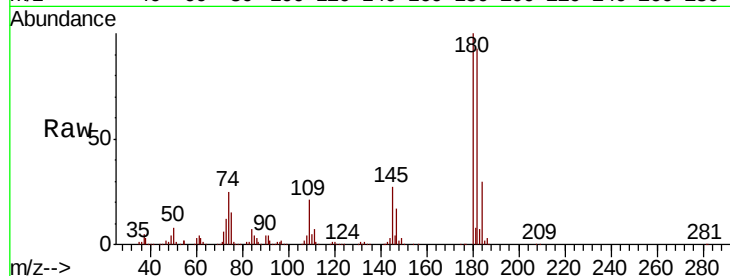




#69
 1,3,5-Trichlorobenzene
 Concen: 27.679 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003873.D
 Acq: 04 Jan 2021 16:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025206

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.6	113.4
184	30.0	24.9	37.3
145	27.8	21.8	32.6



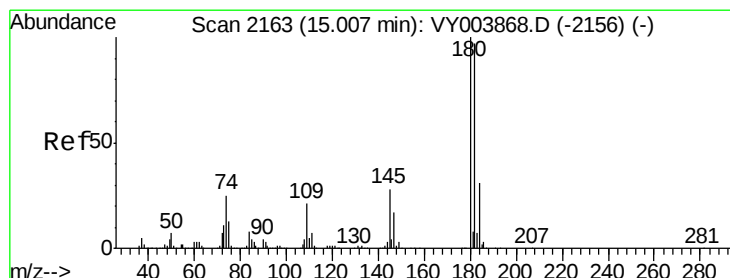
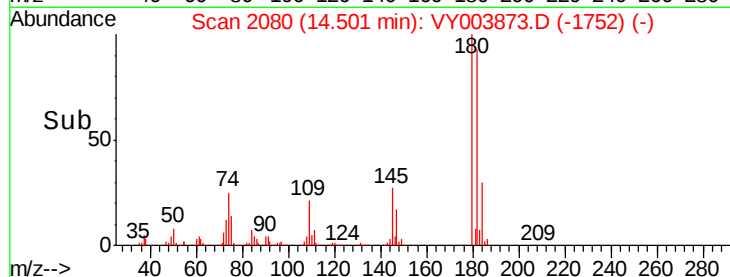
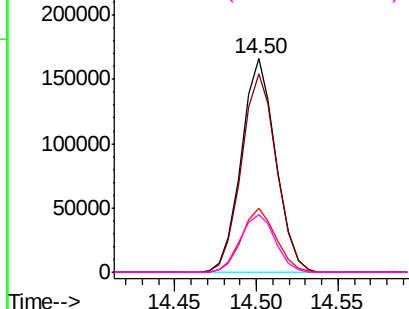
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

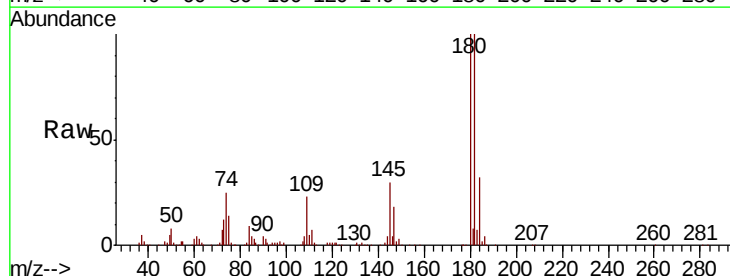
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 27.186 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VY003873.D
 Acq: 04 Jan 2021 16:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.1	114.1
145	28.9	22.6	33.8

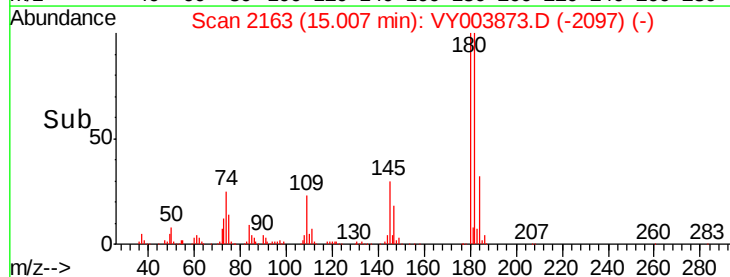
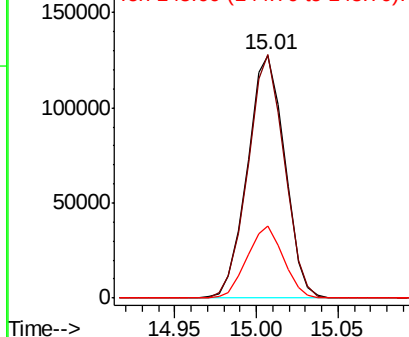


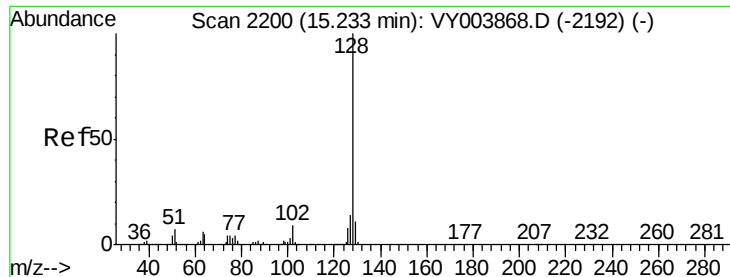
Abundance

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

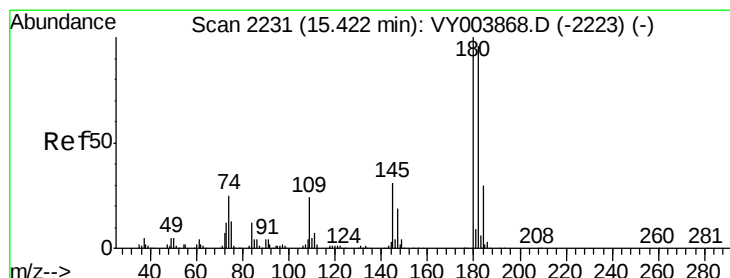
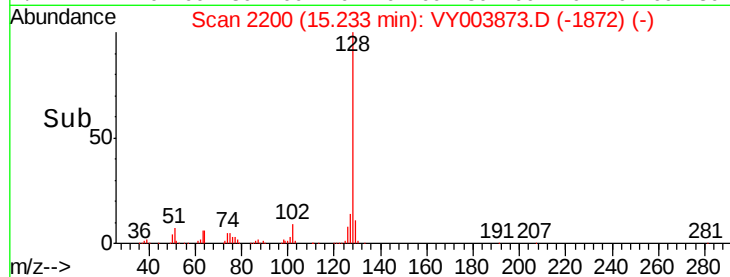
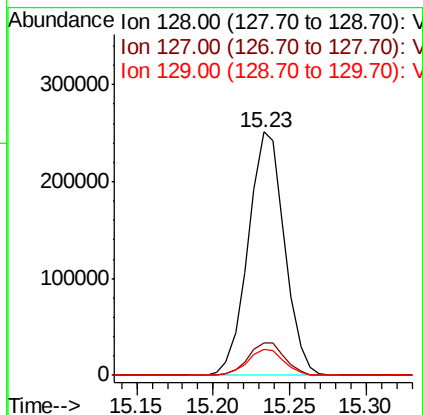
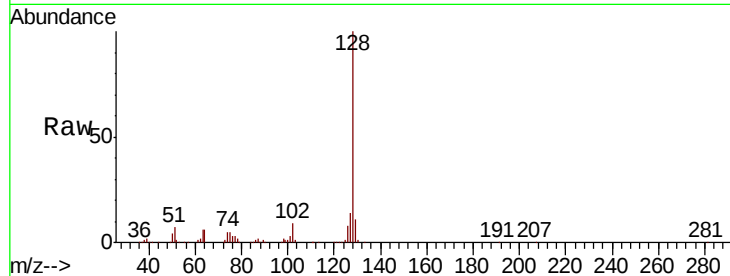




#71
Naphthalene
Concen: 26.578 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003873.D
Acq: 04 Jan 2021 16:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025206

Tot Ion:128 Resp: 414745
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 10.9 8.9 13.3



#72
1,2,3-Trichlorobenzene
Concen: 27.864 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VY003873.D
Acq: 04 Jan 2021 16:20

Tgt Ion:180 Resp: 183980
Ion Ratio Lower Upper
180 100
182 95.8 74.6 111.8
145 30.3 23.3 34.9

