

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120720\
 Data File : VY003676.D
 Acq On : 07 Dec 2020 18:17
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025413

Quant Time: Dec 08 00:46:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120720SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 08 00:43:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	234375	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	223637	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	118111	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	49751	20.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.52%
7) Chloroethane-d5	2.77	69	44405	22.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.72%
11) 1,1-Dichloroethene-d2	3.87	63	116891	22.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.12%
21) 2-Butanone-d5	6.90	46	61059	51.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.14%
24) Chloroform-d	7.48	84	128388	24.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	8.15	65	70603	24.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	8.12	84	264630	23.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.56%
36) 1,2-Dichloropropane-d6	9.12	67	81022	24.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.28%
41) Toluene-d8	10.18	98	240174	24.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.44%
43) trans-1,3-Dichloropropene-	10.43	79	39592	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.12%
47) 2-Hexanone-d5	10.79	63	51980	54.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.16%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	78620	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.16%
66) 1,2-Dichlorobenzene-d4	13.72	152	95705	24.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	65276	26.611	ug/L 100
3) Chloromethane	2.12	50	69719	24.779	ug/L 97
5) Vinyl chloride	2.26	62	74481	26.252	ug/L 89
6) Bromomethane	2.66	94	47452	26.008	ug/L 88
8) Chloroethane	2.81	64	46676	26.314	ug/L 91
9) Trichlorofluoromethane	3.14	101	116906	26.294	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	3.92	101	77171	26.357	ug/L # 75
12) 1,1-Dichloroethene	3.89	96	73420	26.323	ug/L 95
13) Acetone	3.97	43	42296	52.106	ug/L # 53
14) Carbon disulfide	4.20	76	237693	26.339	ug/L 99
16) Methylene chloride	4.73	84	90442	22.072	ug/L 99
17) trans-1,2-Dichloroethene	5.23	96	80702	25.939	ug/L 94
18) Methyl tert-butyl Ether	5.23	73	212580	27.069	ug/L # 94
19) 1,1-Dichloroethane	6.03	63	136575	26.435	ug/L 96
20) cis-1,2-Dichloroethene	7.00	96	89116	26.735	ug/L 82
22) 2-Butanone	7.00	43	72231	50.340	ug/L 86
23) Bromochloromethane	7.34	128	43859	26.441	ug/L 91

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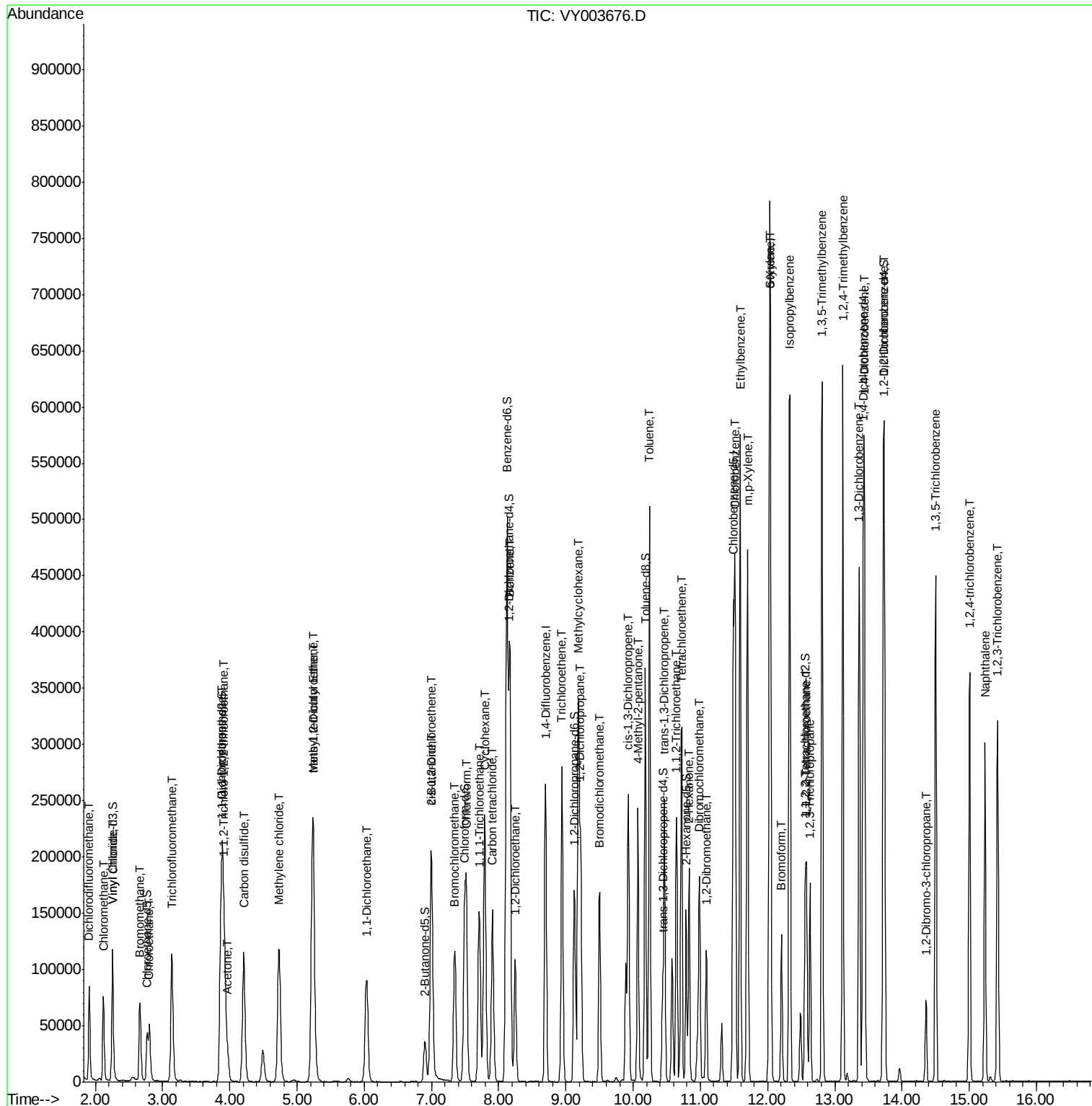
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.51	83	140536	26.652	ug/L	100
27) 1,2-Dichloroethane	8.25	62	94274	26.624	ug/L	95
29) Cyclohexane	7.80	56	127648	26.769	ug/L	95
30) 1,1,1-Trichloroethane	7.71	97	123402	26.517	ug/L	99
31) Carbon tetrachloride	7.91	117	113041	26.826	ug/L	96
33) Benzene	8.17	78	335642	26.538	ug/L	100
34) Trichloroethene	8.94	95	90193	26.500	ug/L	97
35) Methylcyclohexane	9.19	83	146298	27.289	ug/L	98
37) 1,2-Dichloropropane	9.22	63	86264	27.296	ug/L	98
38) Bromodichloromethane	9.50	83	107895	26.687	ug/L	93
39) cis-1,3-Dichloropropene	9.93	75	135722	27.228	ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	156597	54.745	ug/L	99
42) Toluene	10.25	91	368389	27.345	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	125898	27.121	ug/L	94
45) 1,1,2-Trichloroethane	10.65	97	73829	26.761	ug/L	93
46) Tetrachloroethene	10.72	164	73378	26.834	ug/L	95
48) 2-Hexanone	10.83	43	112363	56.324	ug/L	98
49) Dibromochloromethane	10.98	129	86817	27.306	ug/L	90
50) 1,2-Dibromoethane	11.09	107	72214	27.122	ug/L #	97
51) Chlorobenzene	11.51	112	237991	26.728	ug/L	95
52) Ethylbenzene	11.59	91	394175	27.122	ug/L	98
53) m,p-Xylene	11.70	106	156643	27.562	ug/L	99
54) o-Xylene	12.03	106	148432	27.329	ug/L	98
55) Styrene	12.04	104	260453	28.077	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.58	83	83428	27.872	ug/L	96
59) Bromoform	12.21	173	59421	26.997	ug/L #	95
60) Isopropylbenzene	12.33	105	398280	27.728	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	71596	27.173	ug/L	97
62) 1,3,5-Trimethylbenzene	12.81	105	318341	27.947	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	318684	28.167	ug/L	99
64) 1,3-Dichlorobenzene	13.37	146	192458	27.643	ug/L	96
65) 1,4-Dichlorobenzene	13.45	146	191894	27.217	ug/L	96
67) 1,2-Dichlorobenzene	13.74	146	178748	27.605	ug/L	95
68) 1,2-Dibromo-3-chloropropan	14.35	75	15733	27.182	ug/L	91
69) 1,3,5-Trichlorobenzene	14.50	180	134324	27.221	ug/L	97
70) 1,2,4-trichlorobenzene	15.01	180	116440	27.759	ug/L	93
71) Naphthalene	15.23	128	247688	27.823	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	105429	27.406	ug/L	98

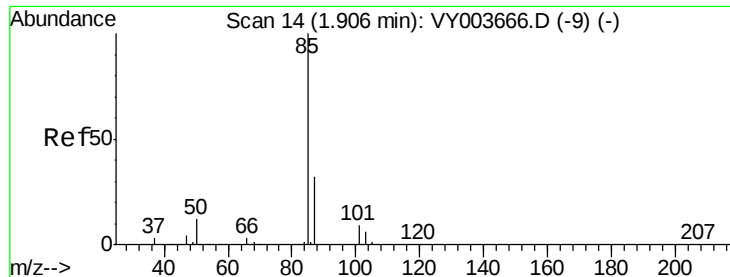
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.611 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

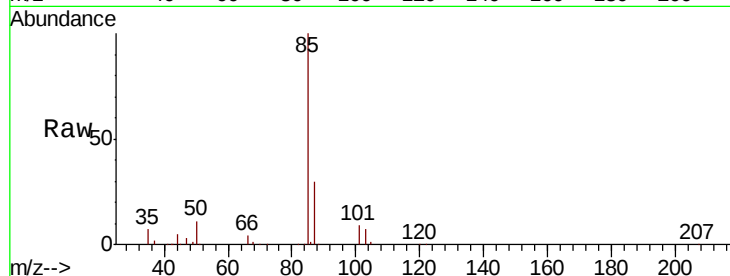
VSTD025413

Tot Ion: 85 Resp: 65276

Ion Ratio Lower Upper

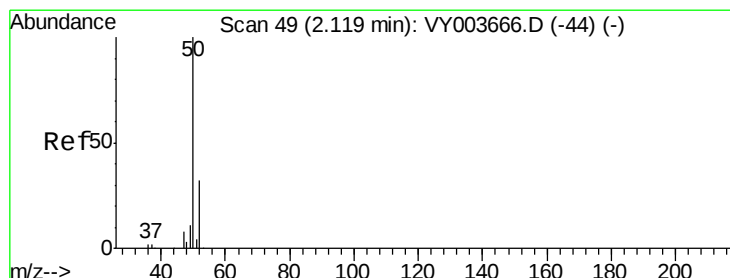
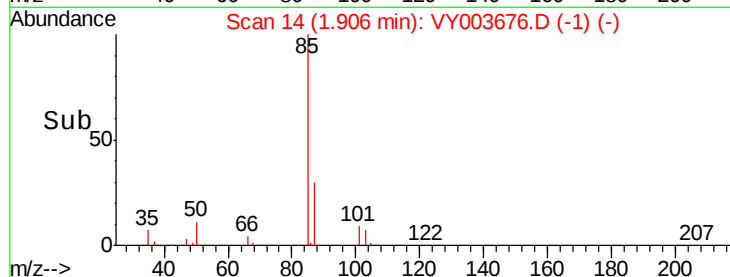
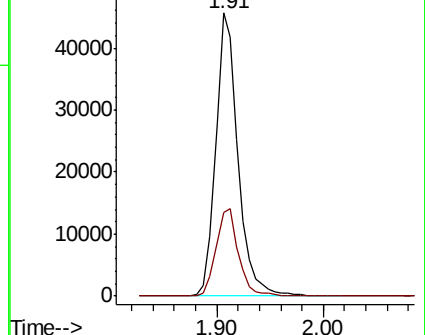
85 100

87 31.6 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VY003666.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VY003666.D (-9) (-)



#3

Chloromethane

Concen: 24.779 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003676.D

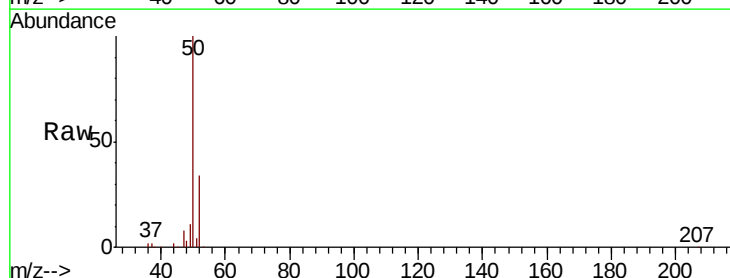
Acq: 07 Dec 2020 18:17

Tgt Ion: 50 Resp: 69719

Ion Ratio Lower Upper

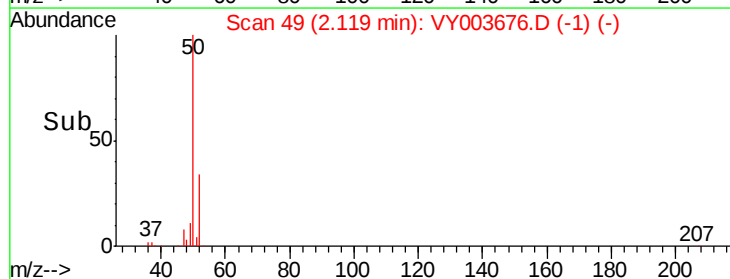
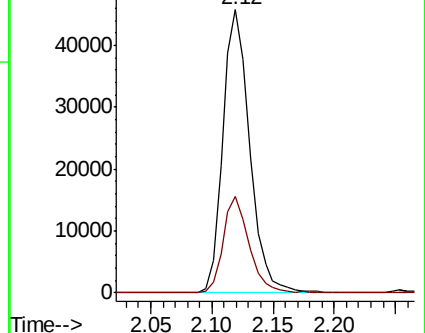
50 100

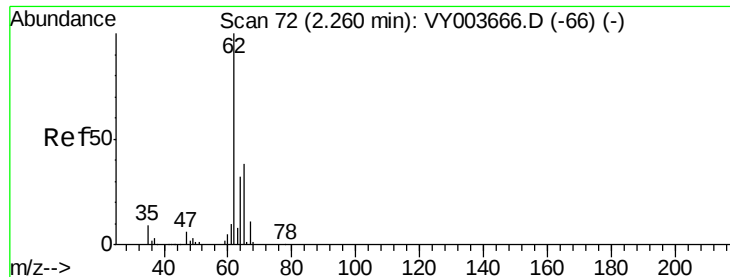
52 33.9 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VY003666.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VY003666.D (-44) (-)





#5

Vinyl chloride

Concen: 26.252 ug/L

RT: 2.26 min Scan# 72

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

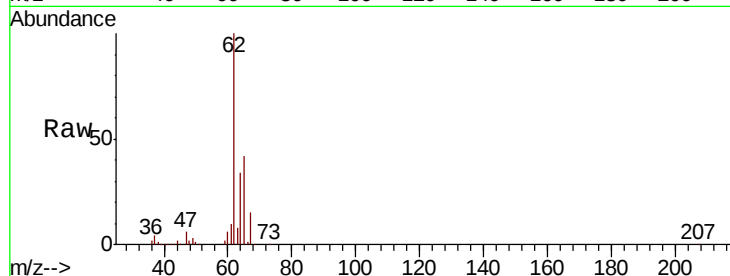
VSTD025413

Tot Ion: 62 Resp: 74481

Ion Ratio Lower Upper

62 100

64 33.8 19.6 36.4



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0

2.26

50000

40000

30000

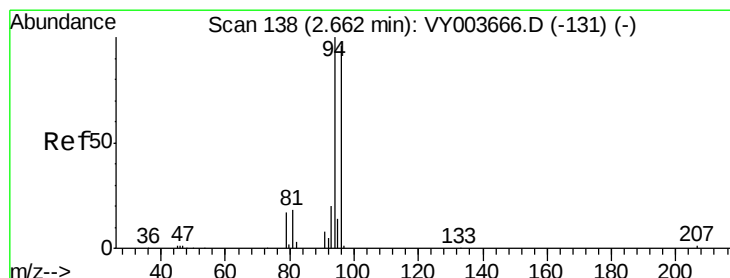
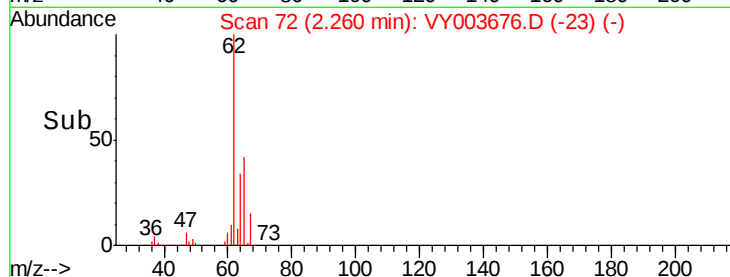
20000

10000

0

Time-->

2.20 2.25 2.30 2.35



#6

Bromomethane

Concen: 26.008 ug/L

RT: 2.66 min Scan# 138

Delta R.T. -0.00 min

Lab File: VY003676.D

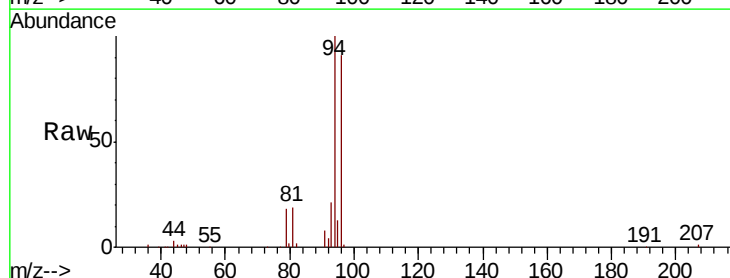
Acq: 07 Dec 2020 18:17

Tgt Ion: 94 Resp: 47452

Ion Ratio Lower Upper

94 100

96 91.3 56.6 105.2



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

2.66

25000

20000

15000

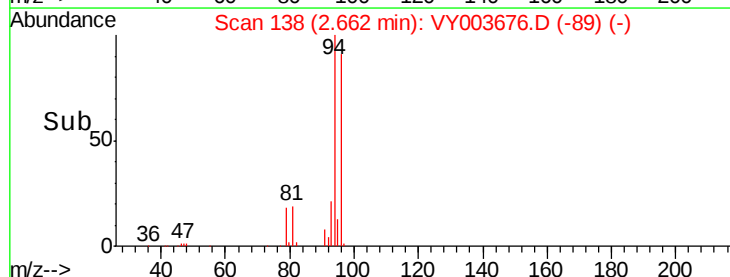
10000

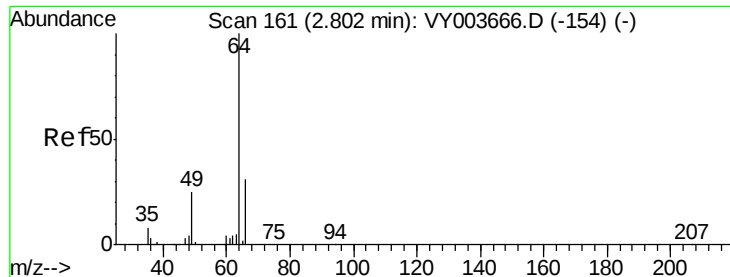
5000

0

Time-->

2.60 2.65 2.70 2.75

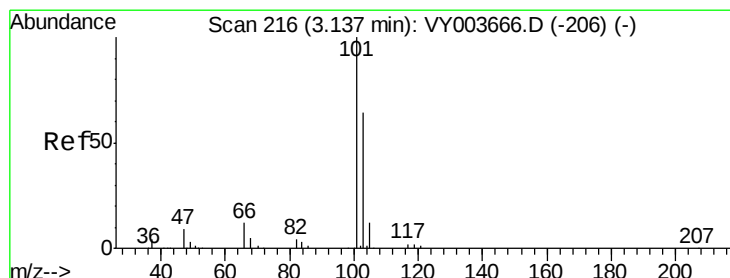
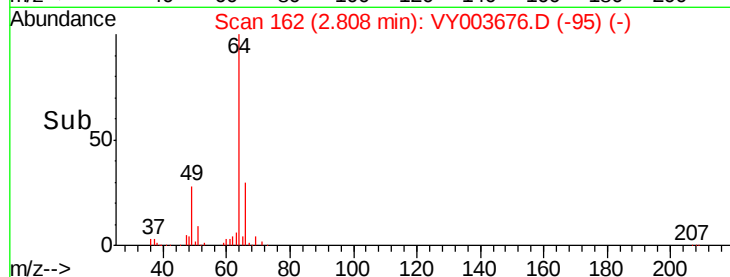
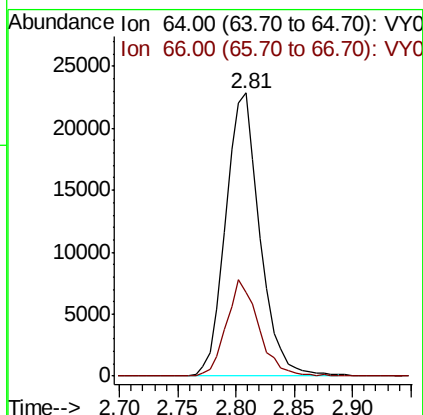
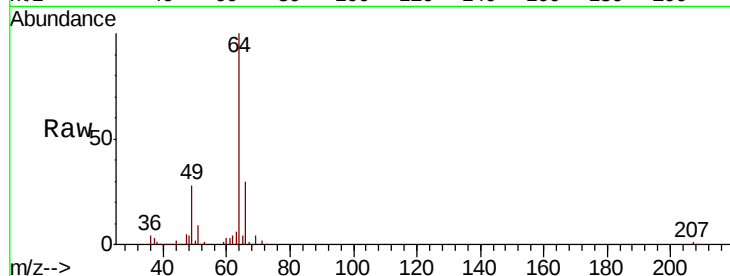




#8
Chloroethane
Concen: 26.314 ug/L
RT: 2.81 min Scan# 162
Delta R.T. 0.01 min
Lab File: VY003676.D
Acq: 07 Dec 2020 18:17

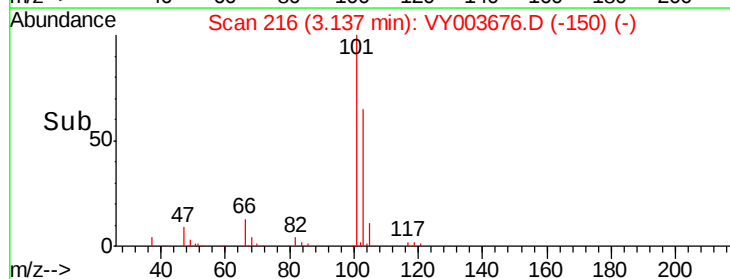
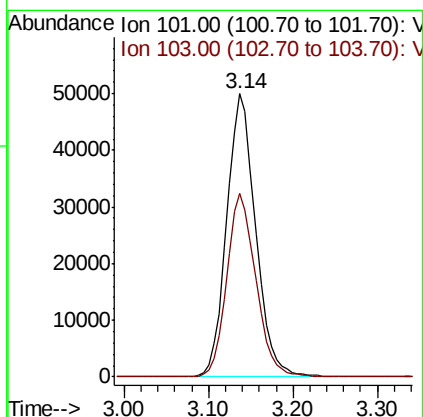
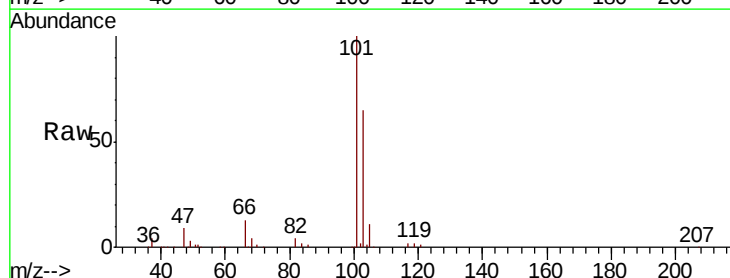
Instrument :
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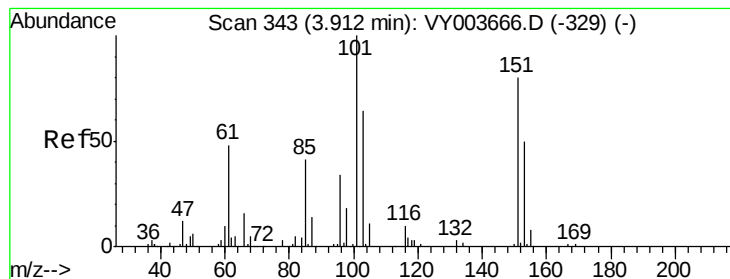
Tot Ion: 64 Resp: 46676
Ion Ratio Lower Upper
64 100
66 29.7 24.4 45.2



#9
Trichlorofluoromethane
Concen: 26.294 ug/L
RT: 3.14 min Scan# 216
Delta R.T. -0.00 min
Lab File: VY003676.D
Acq: 07 Dec 2020 18:17

Tgt Ion: 101 Resp: 116906
Ion Ratio Lower Upper
101 100
103 65.1 52.3 78.5





#10

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

Concen: 26.357 ug/L

RT: 3.92 min Scan# 344

Delta R.T. 0.01 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025413

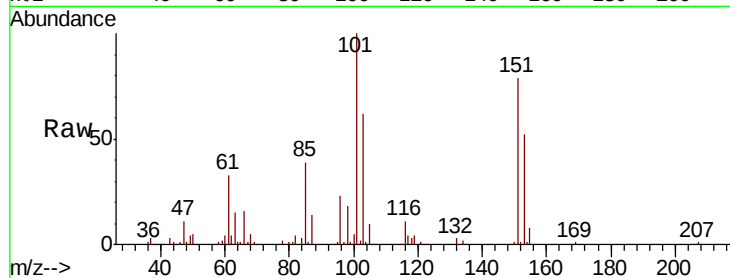
Tot Ion:101 Resp: 77171

Ion Ratio Lower Upper

101 100

85 42.2 35.1 52.7

151 80.2 39.9 59.9#



Abundance Ion 101.00 (100.70 to 101.70): VY003666.D (-329) (-)

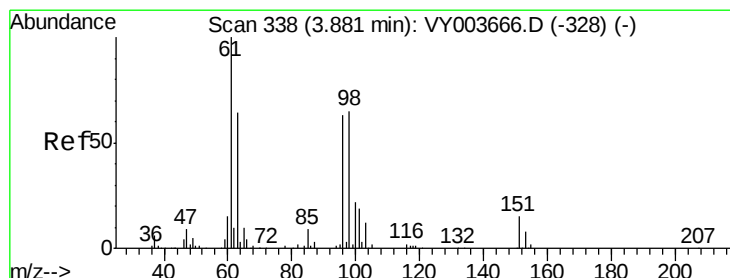
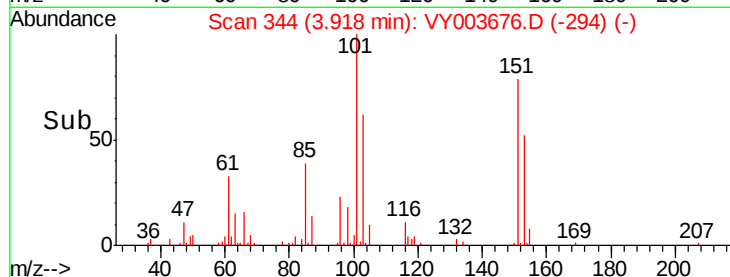
Ion 85.00 (84.70 to 85.70): VY003666.D (-329) (-)

Ion 151.00 (150.70 to 151.70): VY003666.D (-329) (-)

Time-->

3.92

3.80 3.90 4.00



#12

1,1-Dichloroethene

Concen: 26.323 ug/L

RT: 3.89 min Scan# 339

Delta R.T. 0.01 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

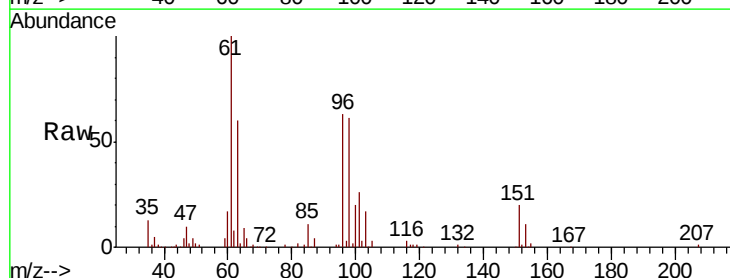
Tgt Ion: 96 Resp: 73420

Ion Ratio Lower Upper

96 100

61 158.5 108.6 201.8

63 95.5 61.0 113.2



Abundance Ion 96.00 (95.70 to 96.70): VY003666.D (-328) (-)

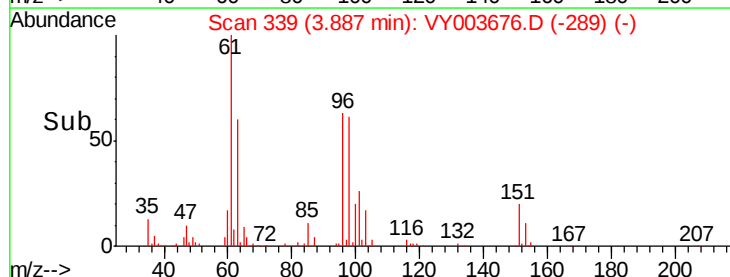
Ion 61.00 (60.70 to 61.70): VY003666.D (-328) (-)

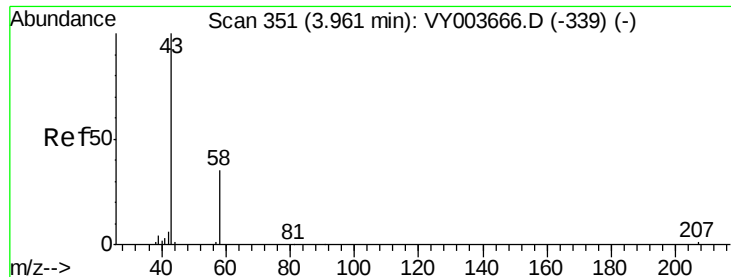
Ion 63.00 (62.70 to 63.70): VY003666.D (-328) (-)

Time-->

3.89

3.80 3.90 4.00





#13

Acetone

Concen: 52.106 ug/L

RT: 3.97 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

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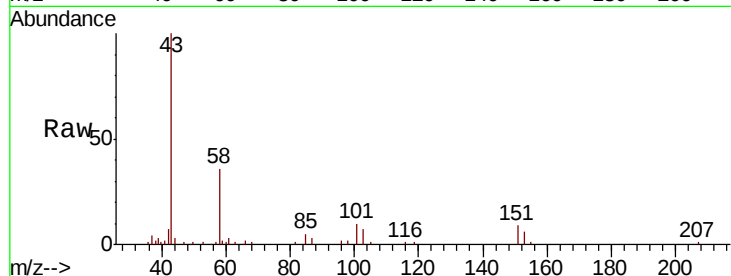
VSTD025413

Tot Ion: 43 Resp: 42296

Ion Ratio Lower Upper

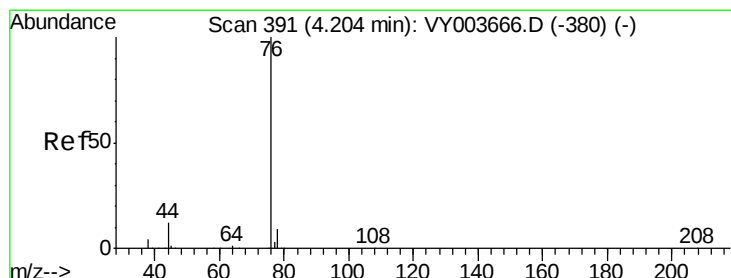
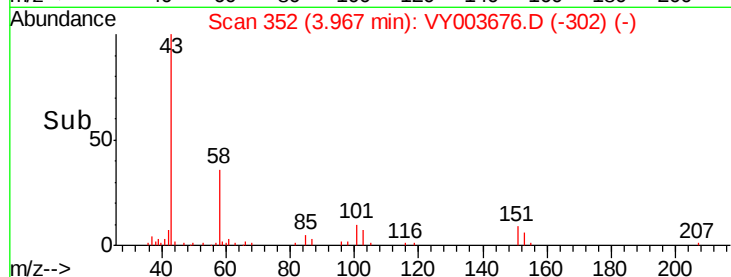
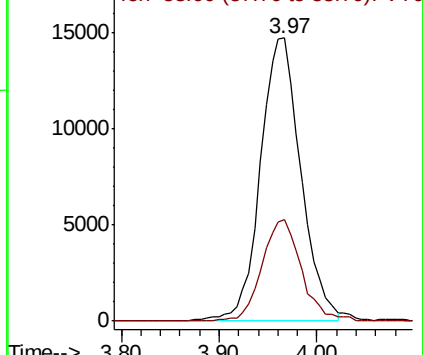
43 100

58 34.9 0.0 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 26.339 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.00 min

Lab File: VY003676.D

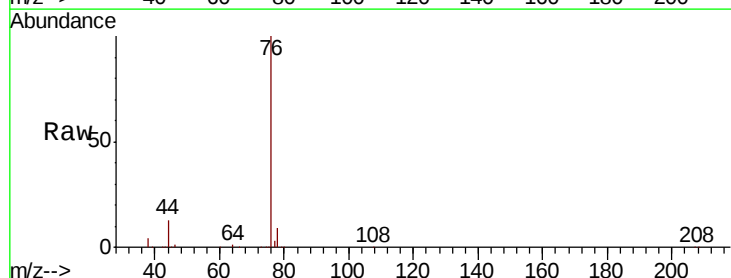
Acq: 07 Dec 2020 18:17

Tgt Ion: 76 Resp: 237693

Ion Ratio Lower Upper

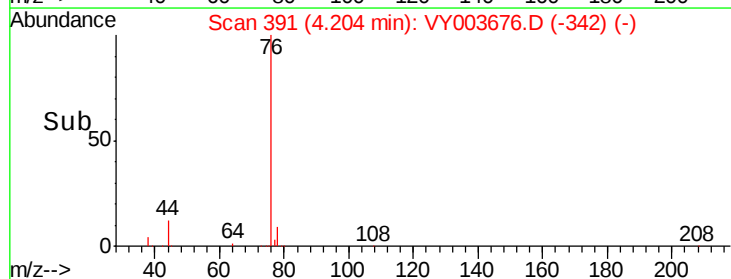
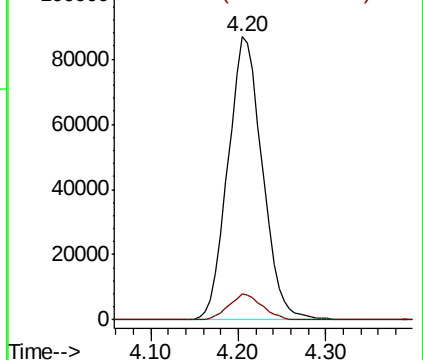
76 100

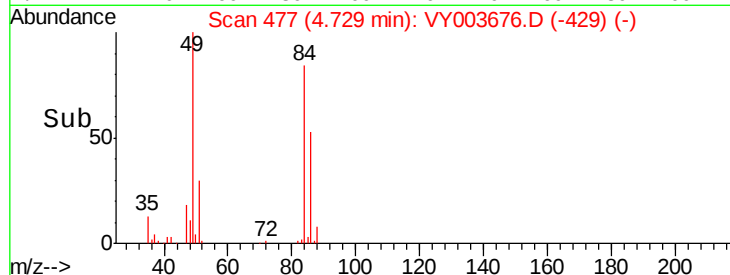
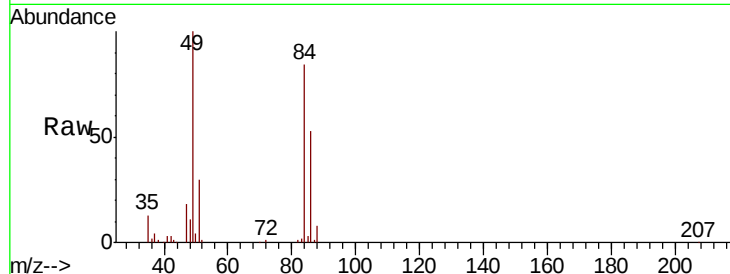
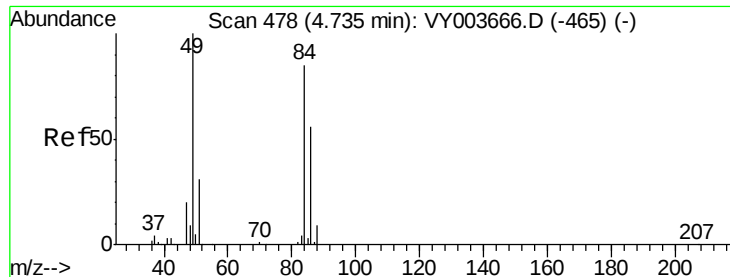
78 9.4 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

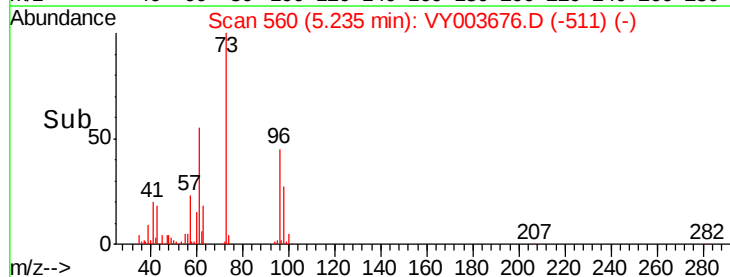
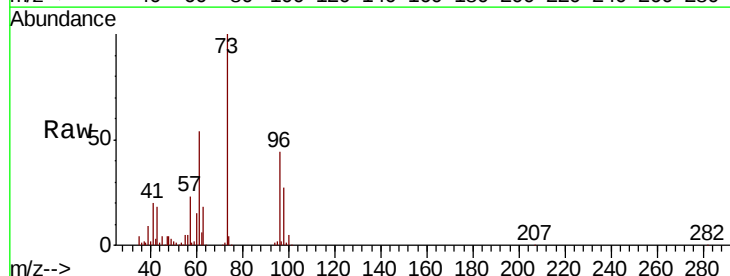
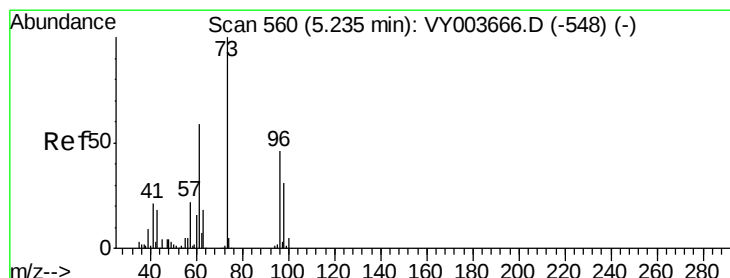
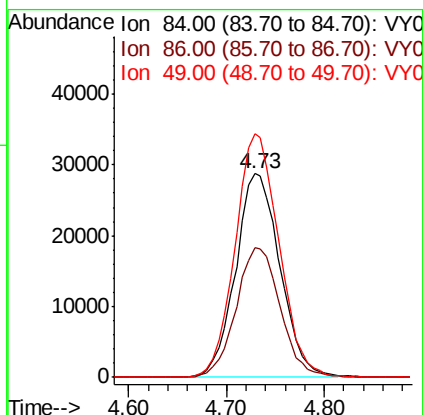




#16
Methvlene chloride
Concen: 22.072 ug/L
RT: 4.73 min Scan# 477
Delta R.T. -0.01 min
Lab File: VY003676.D
Acq: 07 Dec 2020 18:17

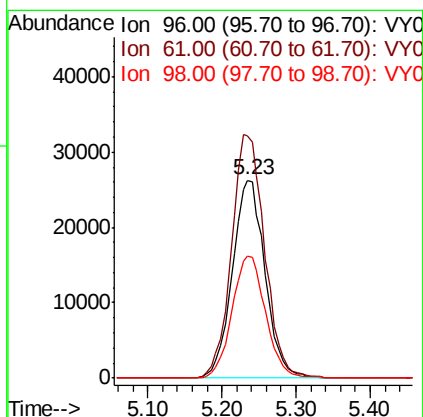
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025413

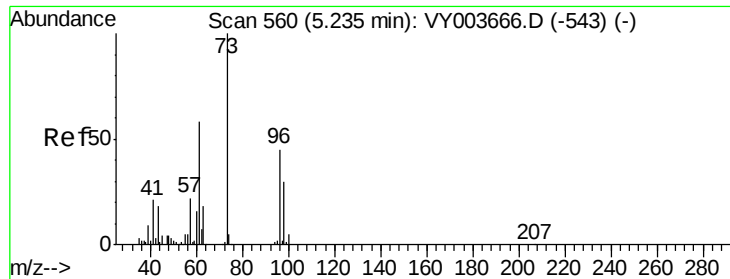
Tot Ion: 84 Resp: 90442
Ion Ratio Lower Upper
84 100
86 63.4 45.2 84.0
49 119.6 83.1 154.3



#17
trans-1,2-Dichloroethene
Concen: 25.939 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.00 min
Lab File: VY003676.D
Acq: 07 Dec 2020 18:17

Tgt Ion: 96 Resp: 80702
Ion Ratio Lower Upper
96 100
61 122.4 91.8 170.6
98 61.6 44.7 82.9

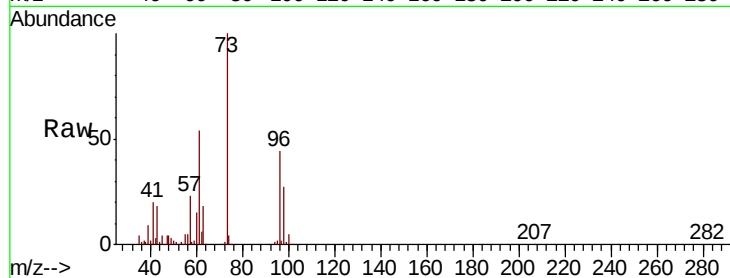




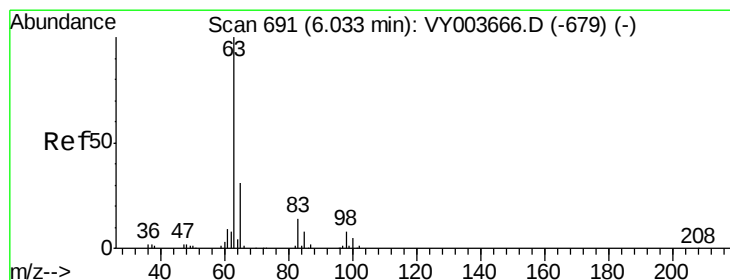
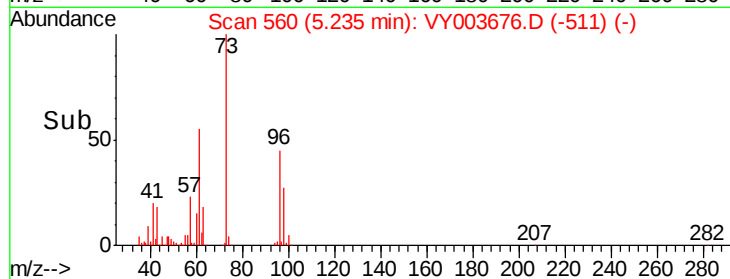
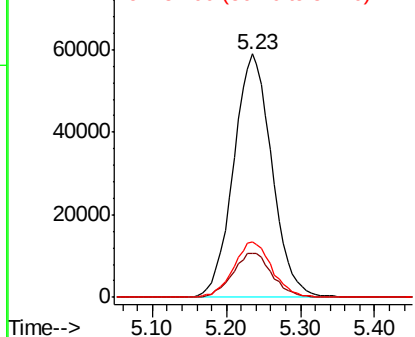
#18
Methvl tert-butvl Ether
Concen: 27.069 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.00 min
Lab File: VY003676.D
Acq: 07 Dec 2020 18:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025413

Tot Ion: 73 Resp: 212580
Ion Ratio Lower Upper
73 100
43 18.8 10.2 15.4#
57 22.5 18.3 27.5

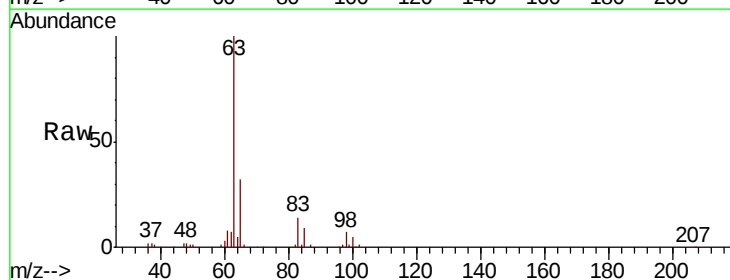


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

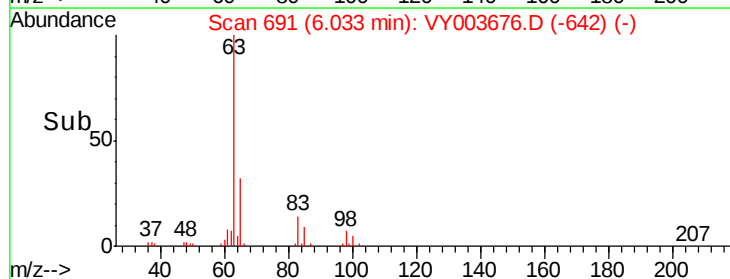
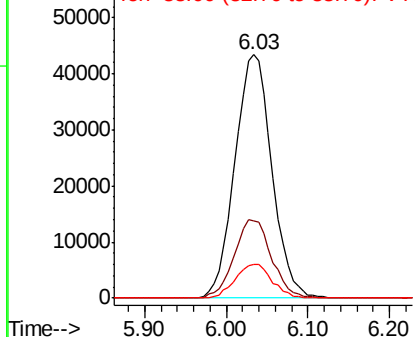


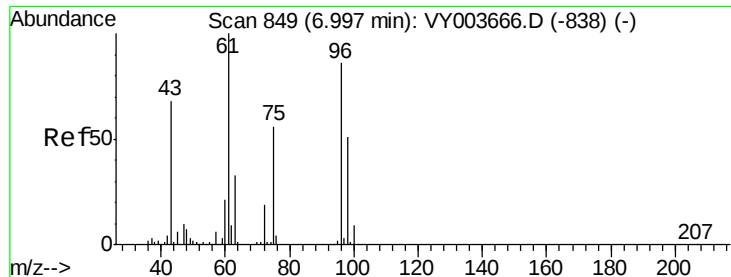
#19
1,1-Dichloroethane
Concen: 26.435 ug/L
RT: 6.03 min Scan# 691
Delta R.T. -0.00 min
Lab File: VY003676.D
Acq: 07 Dec 2020 18:17

Tgt Ion: 63 Resp: 136575
Ion Ratio Lower Upper
63 100
65 31.8 20.4 38.0
83 13.7 8.6 16.0



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: 26.735 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025413

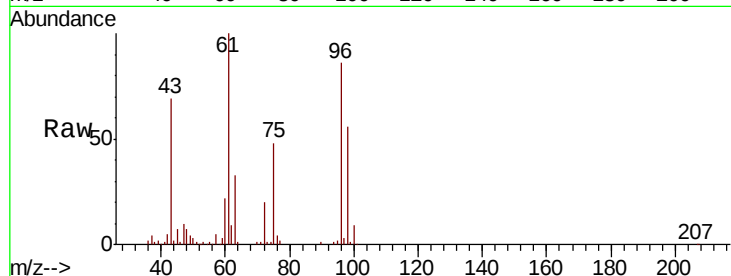
Tot Ion: 96 Resp: 89116

Ion Ratio Lower Upper

96 100

61 116.1 96.3 178.9

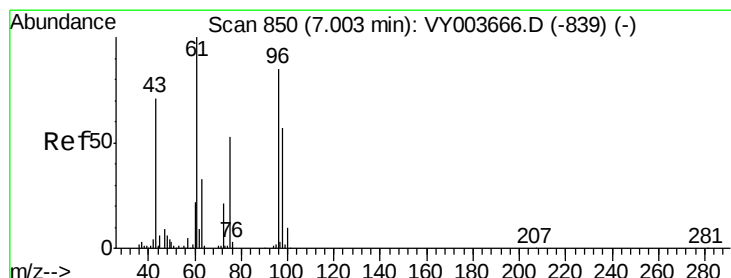
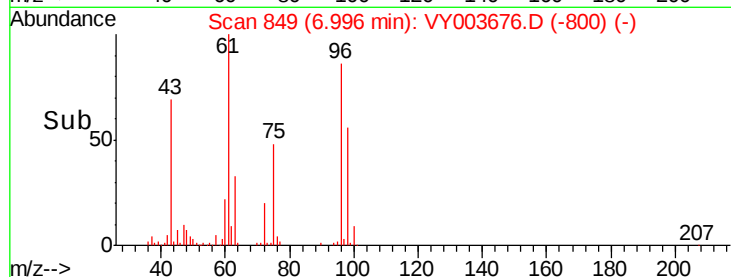
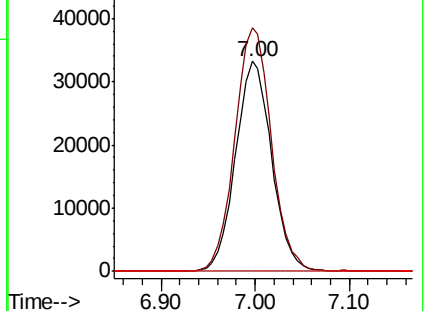
68 0.0 0.0 0.0



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: 50.340 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.01 min

Lab File: VY003676.D

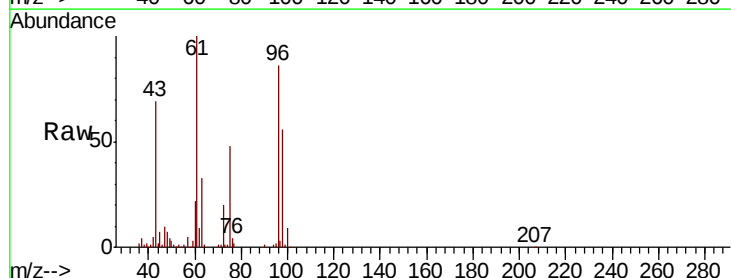
Acq: 07 Dec 2020 18:17

Tgt Ion: 43 Resp: 72231

Ion Ratio Lower Upper

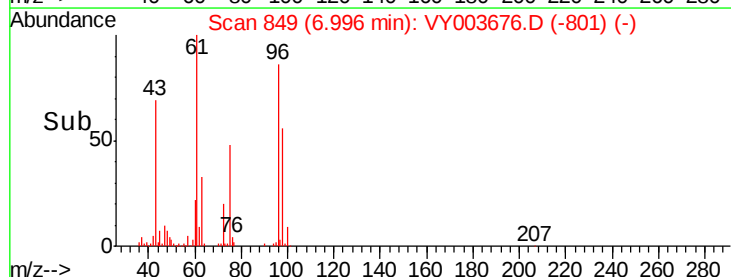
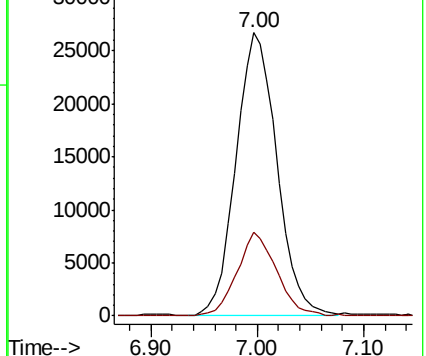
43 100

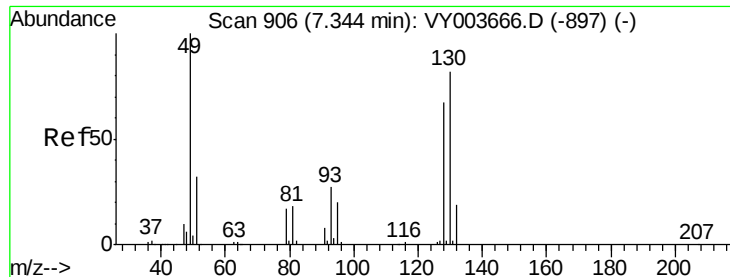
72 28.4 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

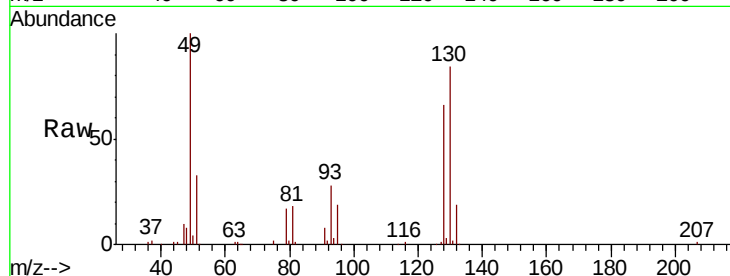




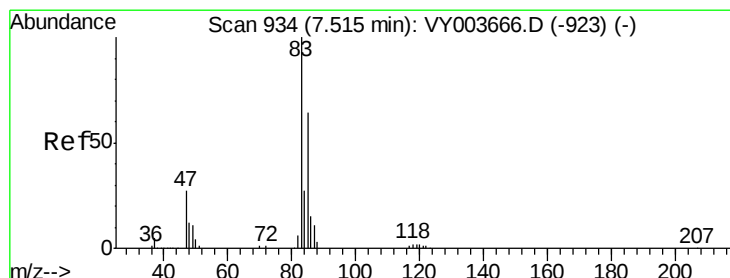
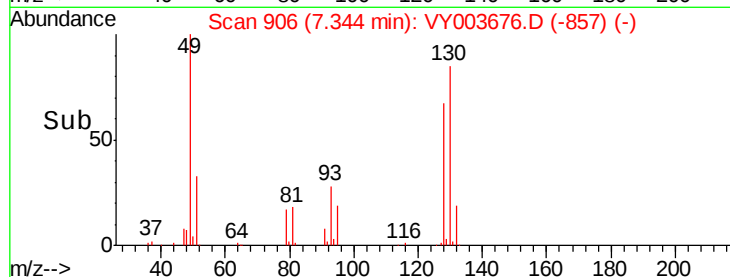
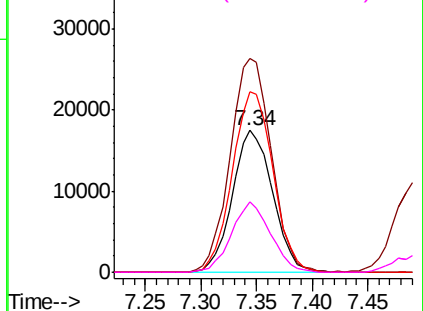
#23
Bromochloromethane
Concen: 26.441 ug/L
RT: 7.34 min Scan# 906
Delta R.T. -0.00 min
Lab File: VY003676.D
Acq: 07 Dec 2020 18:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025413

Tot Ion:	128	Resp:	43859
Ion	Ratio	Lower	Upper
128	100		
49	150.7	100.8	187.2
130	127.2	78.2	145.2
51	49.2	34.5	51.7

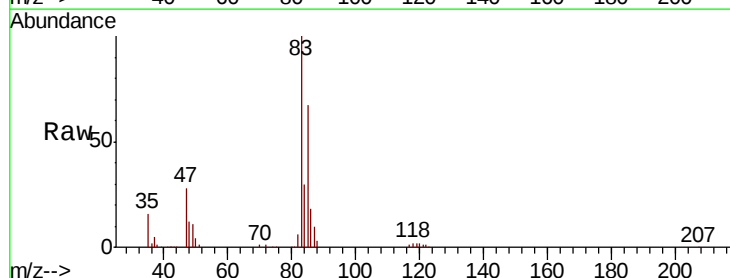


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VY0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VY0

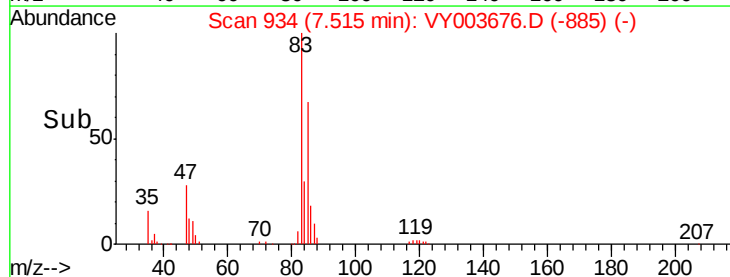
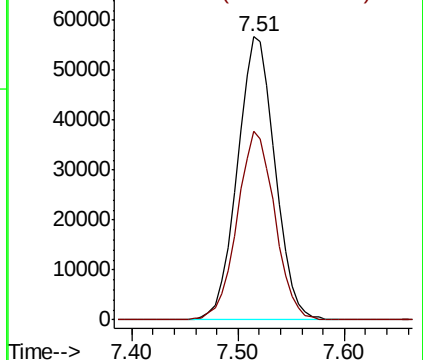


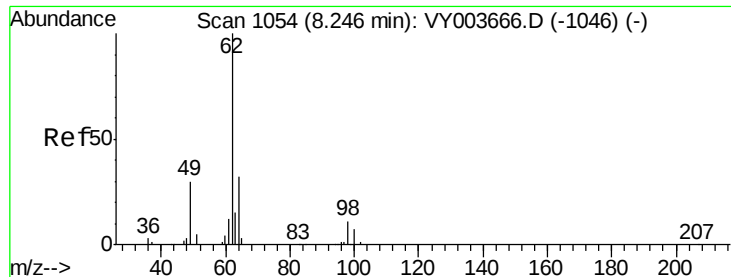
#25
Chloroform
Concen: 26.652 ug/L
RT: 7.51 min Scan# 934
Delta R.T. -0.00 min
Lab File: VY003676.D
Acq: 07 Dec 2020 18:17

Tgt Ion:	83	Resp:	140536
Ion	Ratio	Lower	Upper
83	100		
85	66.9	46.6	86.6



Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 85.00 (84.70 to 85.70): VY0





#27

1,2-Dichloroethane

Concen: 26.624 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

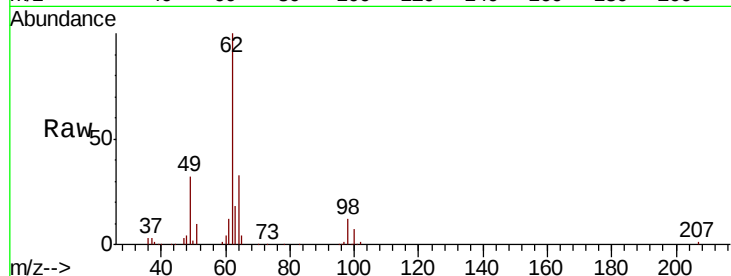
VSTD025413

Tot Ion: 62 Resp: 94274

Ion Ratio Lower Upper

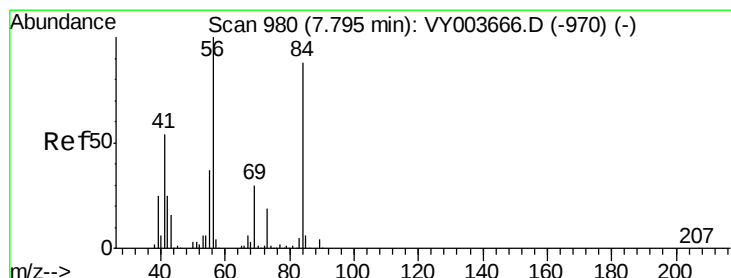
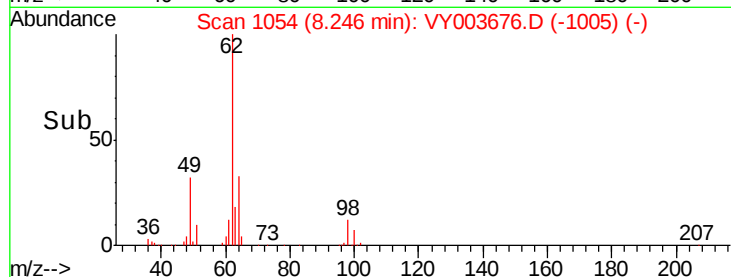
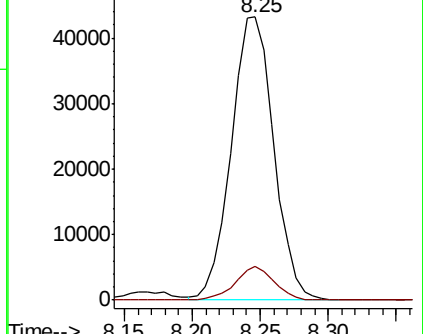
62 100

98 12.1 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0



#29

Cyclohexane

Concen: 26.769 ug/L

RT: 7.80 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

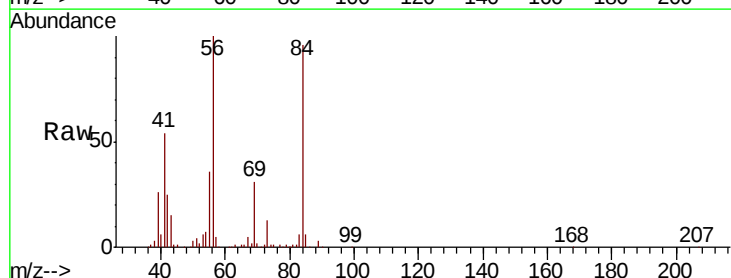
Tgt Ion: 56 Resp: 127648

Ion Ratio Lower Upper

56 100

69 30.4 25.1 37.7

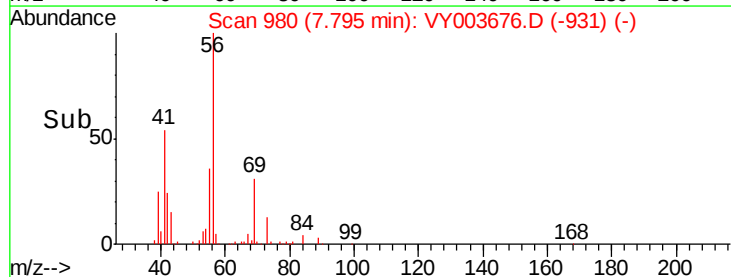
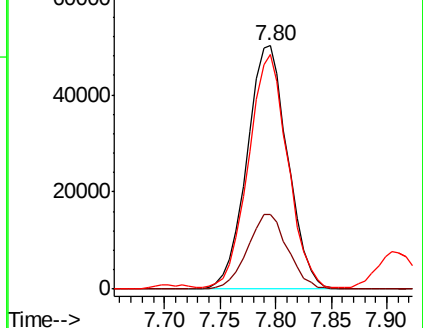
84 93.4 70.6 105.8

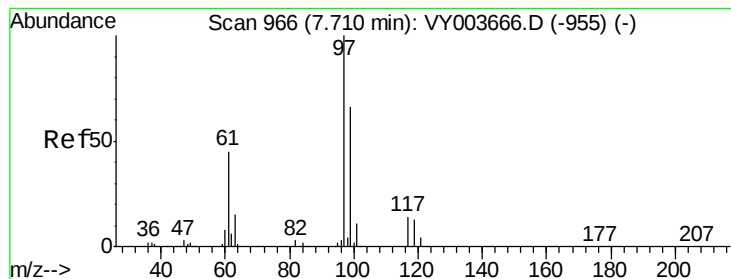


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#30

1,1,1-Trichloroethane

Concen: 26.517 ug/L

RT: 7.71 min Scan# 966

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025413

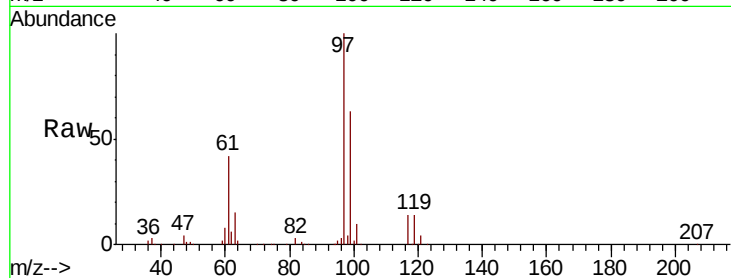
Tot Ion: 97 Resp: 123402

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

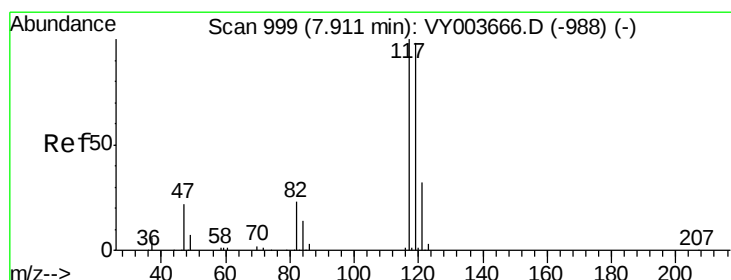
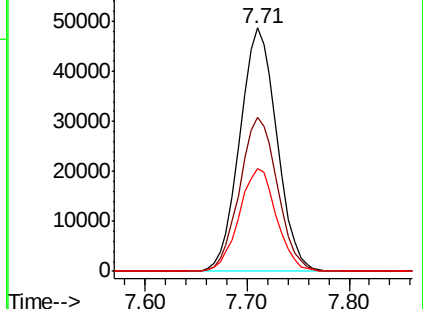
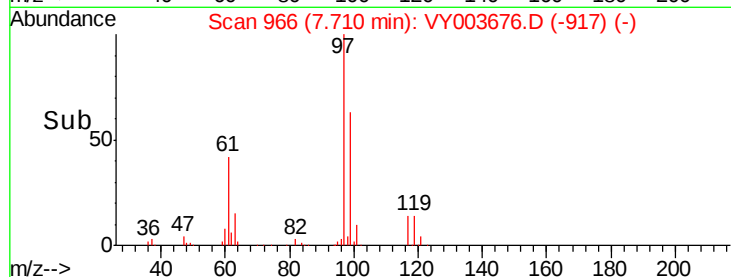
61 42.4 34.6 51.8



Abundance Ion 97.00 (96.70 to 97.70): VY003676.D (-917) (-)

Ion 99.00 (98.70 to 99.70): VY003676.D (-917) (-)

Ion 61.05 (60.75 to 61.75): VY003676.D (-917) (-)



#31

Carbon tetrachloride

Concen: 26.826 ug/L

RT: 7.91 min Scan# 999

Delta R.T. -0.00 min

Lab File: VY003676.D

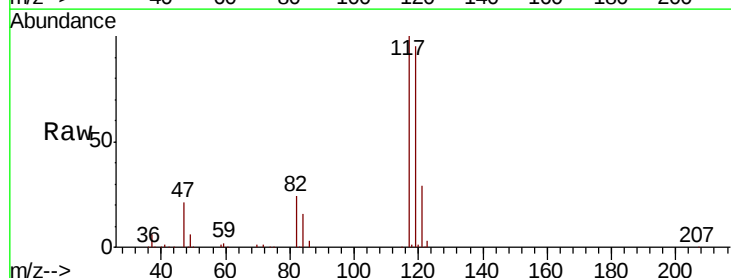
Acq: 07 Dec 2020 18:17

Tgt Ion: 117 Resp: 113041

Ion Ratio Lower Upper

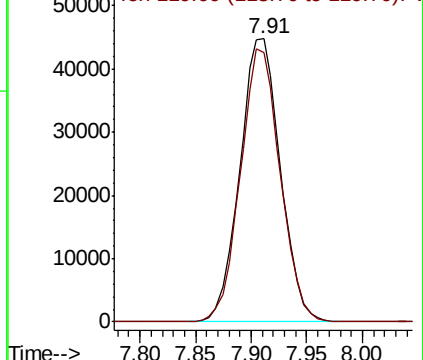
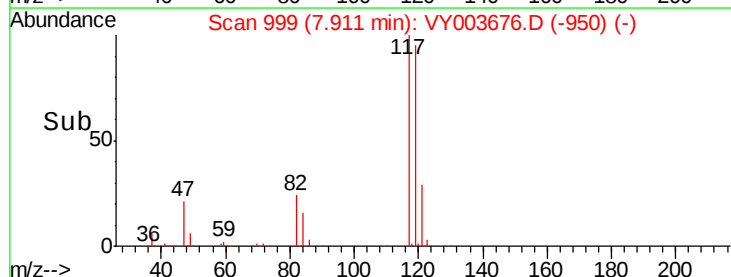
117 100

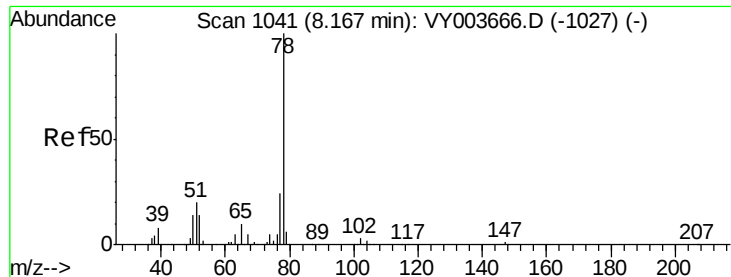
119 94.7 72.6 109.0



Abundance Ion 117.00 (116.70 to 117.70): VY003676.D (-950) (-)

Ion 119.00 (118.70 to 119.70): VY003676.D (-950) (-)





#33

Benzene

Concen: 26.538 ug/L

RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

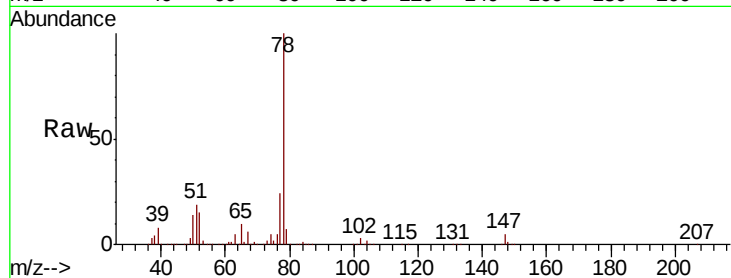
Instrument :

MSVOA_Y

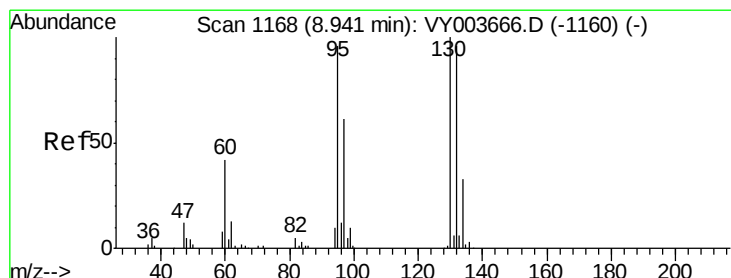
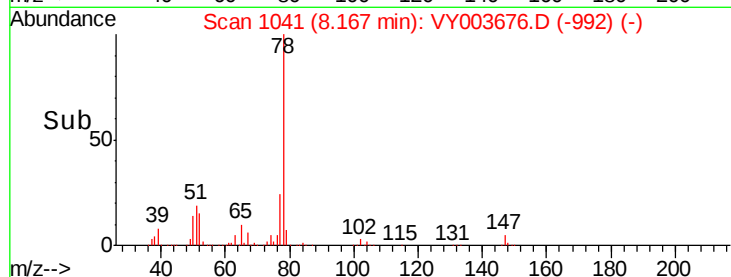
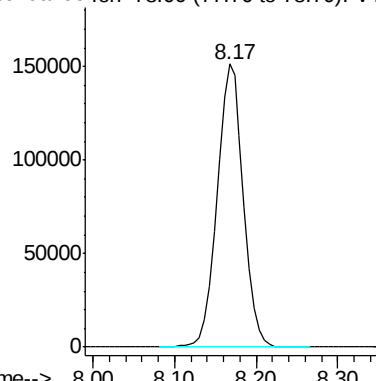
ClientSampleId :

VSTD025413

Tgt Ion: 78 Resp: 335642



Abundance Ion 78.00 (77.70 to 78.70): VY0



#34

Trichloroethene

Concen: 26.500 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Tgt Ion: 95 Resp: 90193

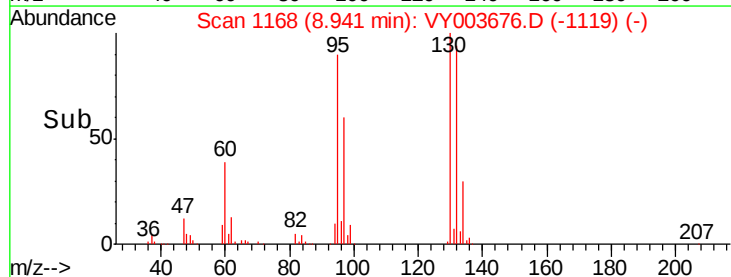
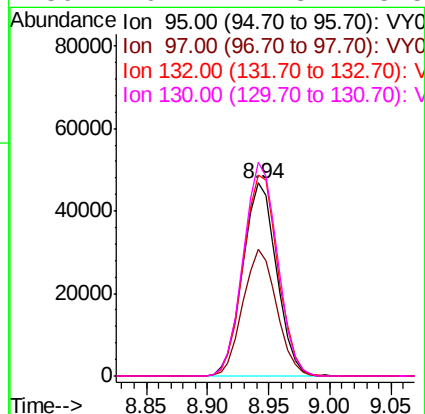
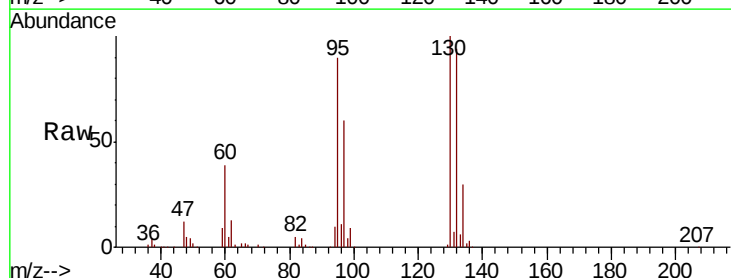
Ion	Ratio	Lower	Upper
95	100		
97	65.9	46.5	86.5
132	104.4	67.5	125.3
130	110.7	77.3	143.5

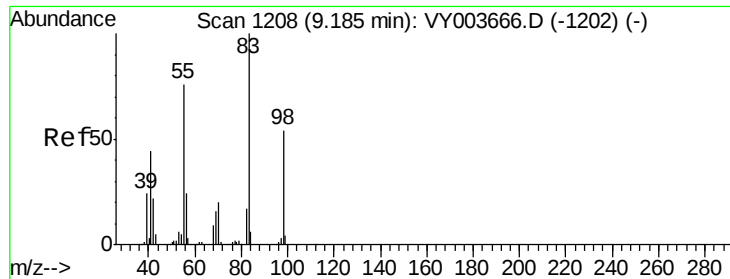
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

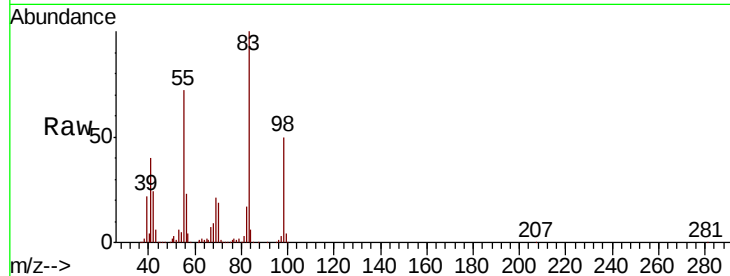




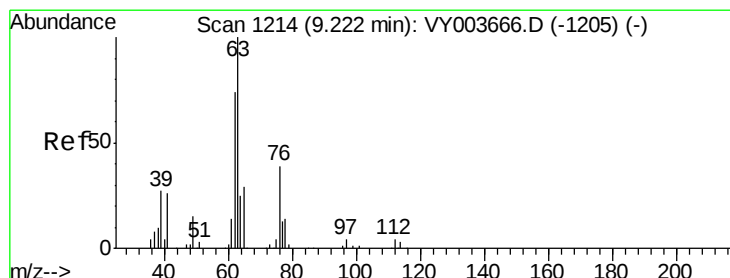
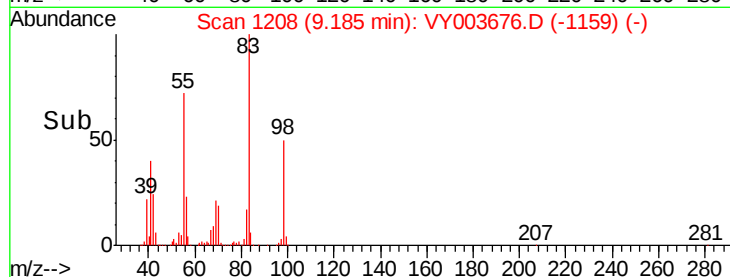
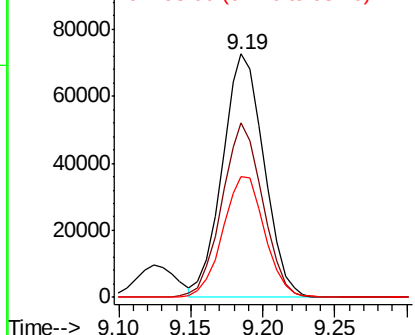
#35
Methvlcvclohexane
Concen: 27.289 ug/L
RT: 9.19 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VY003676.D
Acq: 07 Dec 2020 18:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025413

Tot Ion: 83 Resp: 146298
Ion Ratio Lower Upper
83 100
55 70.3 55.6 83.4
98 50.1 38.6 58.0

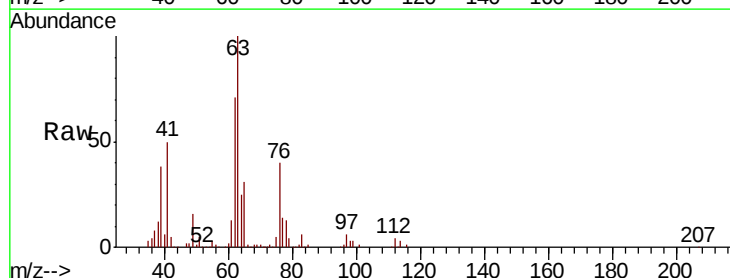


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

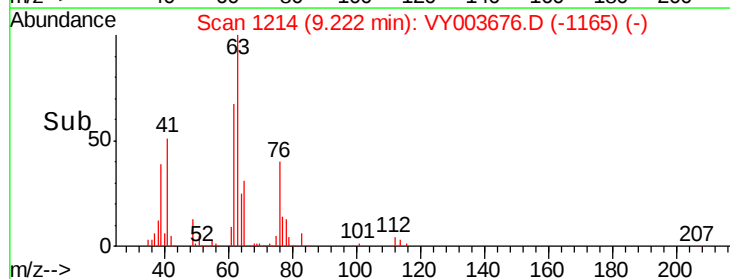
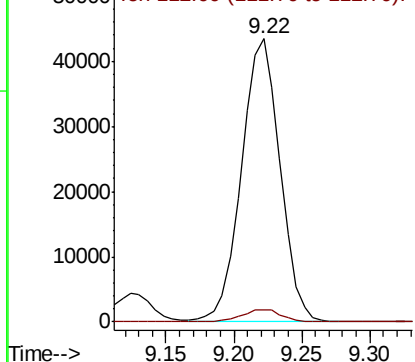


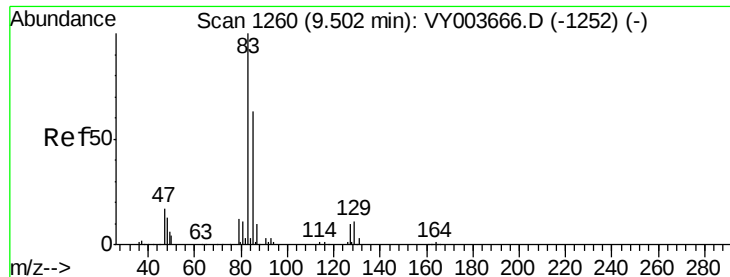
#37
1,2-Dichloropropane
Concen: 27.296 ug/L
RT: 9.22 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VY003676.D
Acq: 07 Dec 2020 18:17

Tgt Ion: 63 Resp: 86264
Ion Ratio Lower Upper
63 100
112 4.5 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 26.687 ug/L

RT: 9.50 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025413

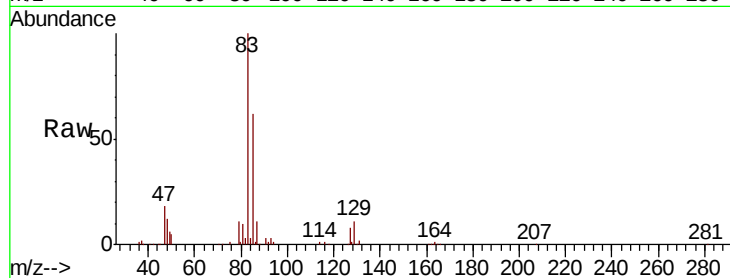
Tot Ion: 83 Resp: 107895

Ion Ratio Lower Upper

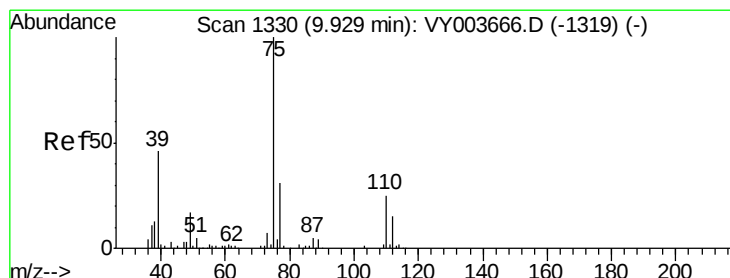
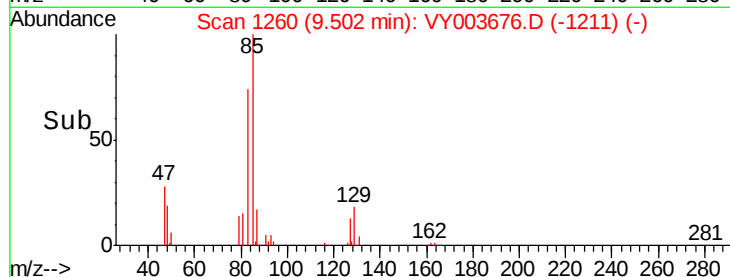
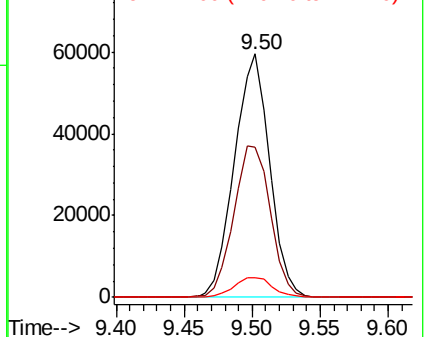
83 100

85 61.7 39.3 73.1

127 8.1 5.7 8.5



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): VY0



#39

cis-1,3-Dichloropropene

Concen: 27.228 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VY003676.D

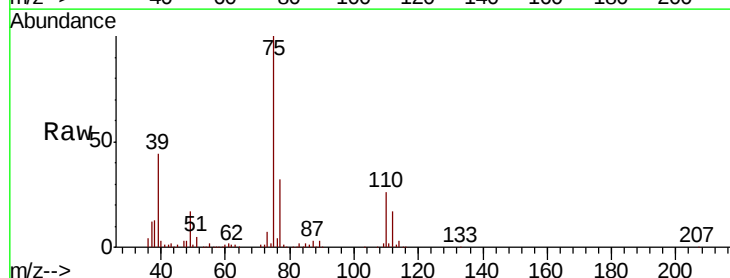
Acq: 07 Dec 2020 18:17

Tgt Ion: 75 Resp: 135722

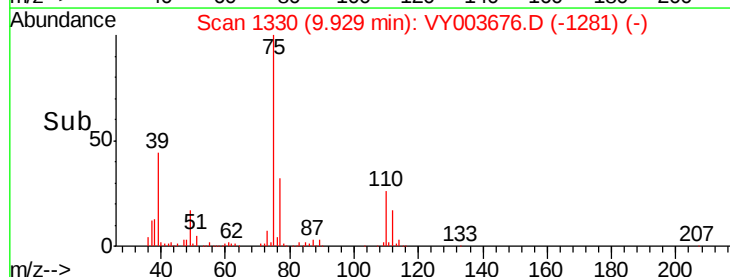
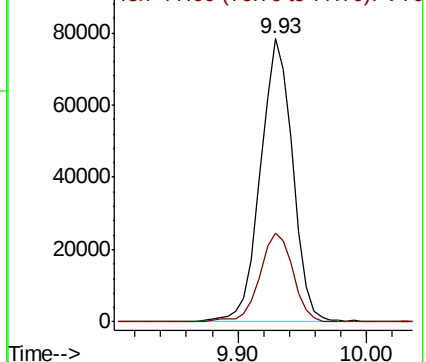
Ion Ratio Lower Upper

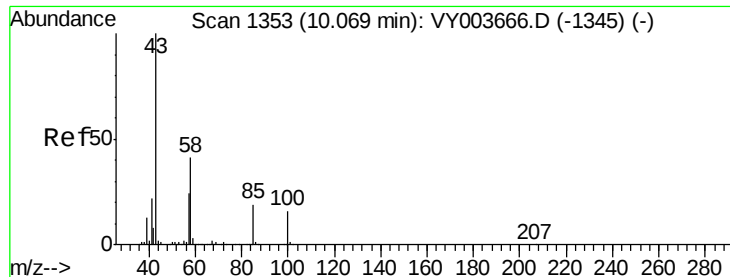
75 100

77 31.6 23.2 43.2



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: 54.745 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025413

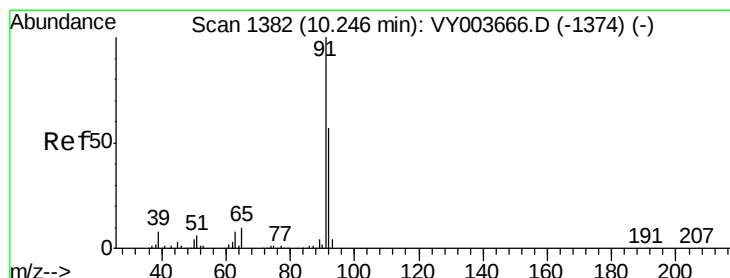
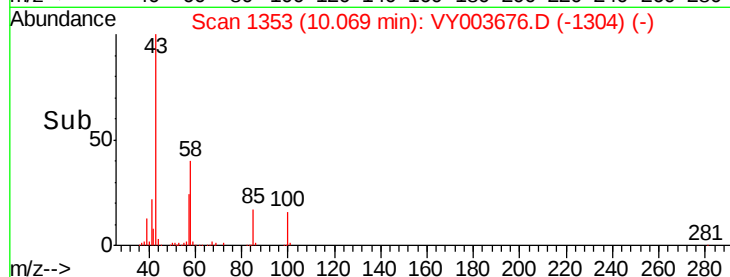
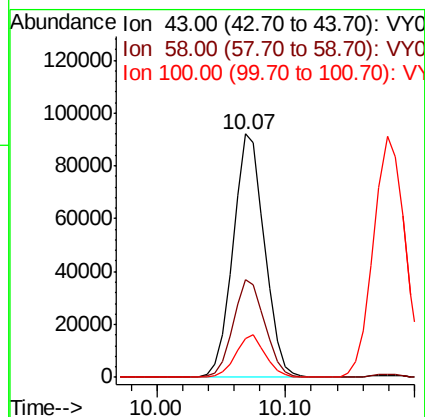
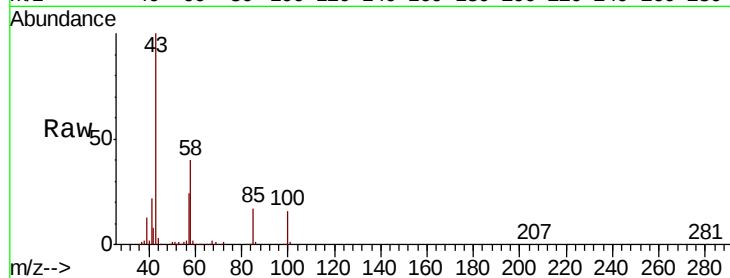
Tot Ion: 43 Resp: 156597

Ion Ratio Lower Upper

43 100

58 40.1 32.6 48.8

100 16.4 13.1 19.7



#42

Toluene

Concen: 27.345 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003676.D

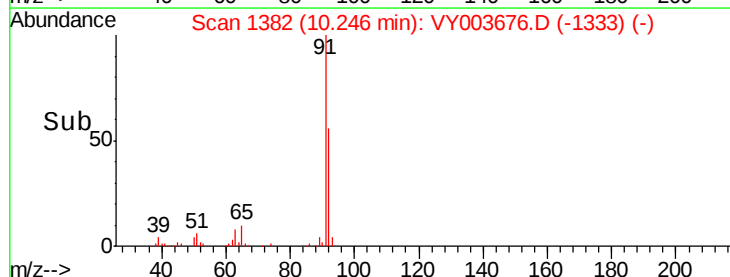
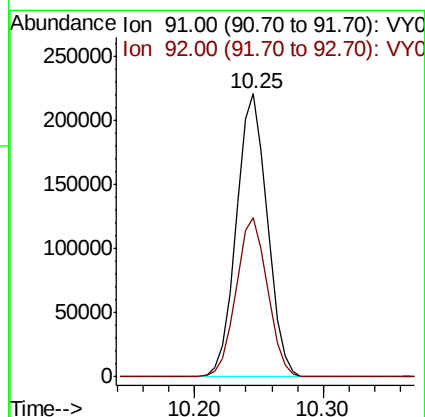
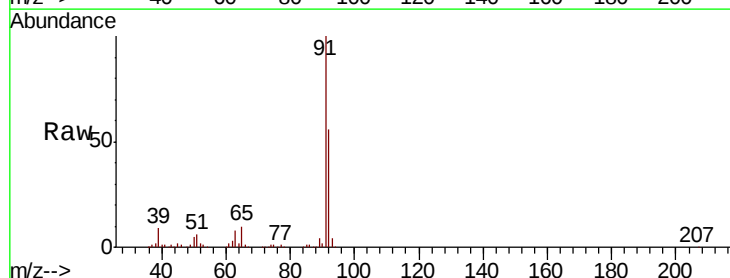
Acq: 07 Dec 2020 18:17

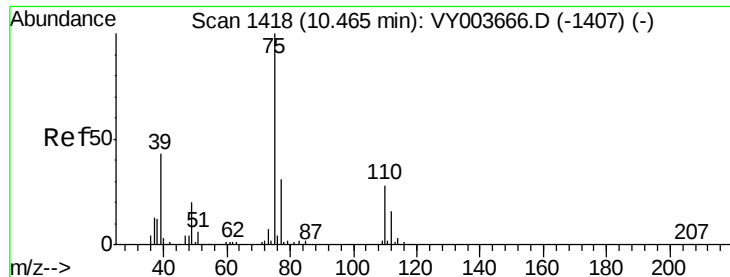
Tgt Ion: 91 Resp: 368389

Ion Ratio Lower Upper

91 100

92 56.1 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 27.121 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

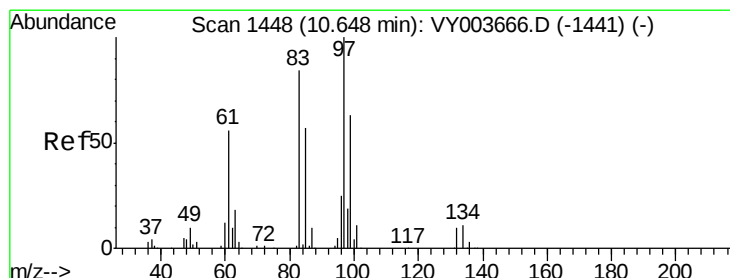
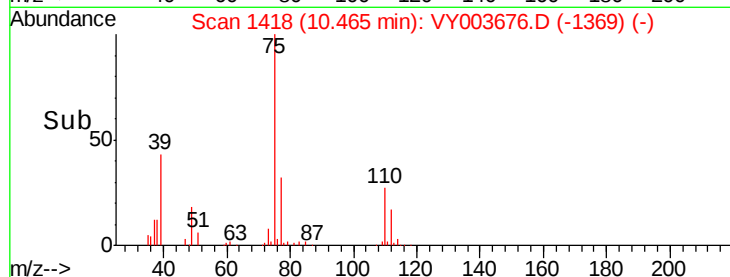
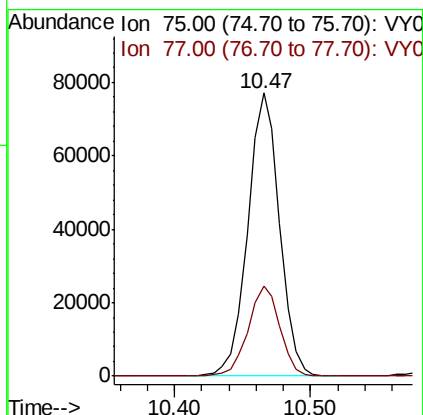
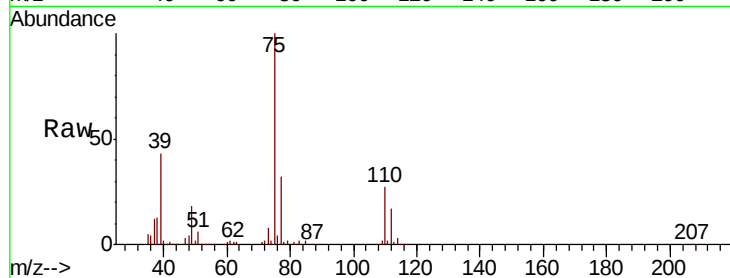
VSTD025413

Tot Ion: 75 Resp: 125898

Ion Ratio Lower Upper

75 100

77 32.0 24.7 45.9



#45

1,1,2-Trichloroethane

Concen: 26.761 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Tgt Ion: 97 Resp: 73829

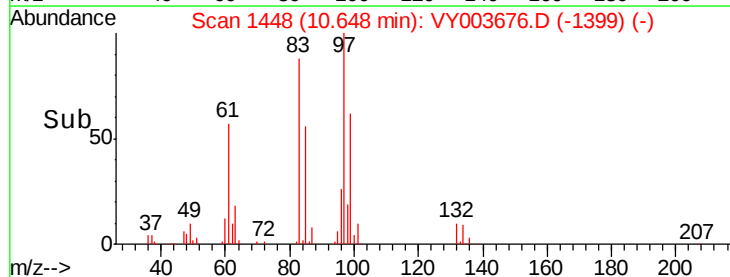
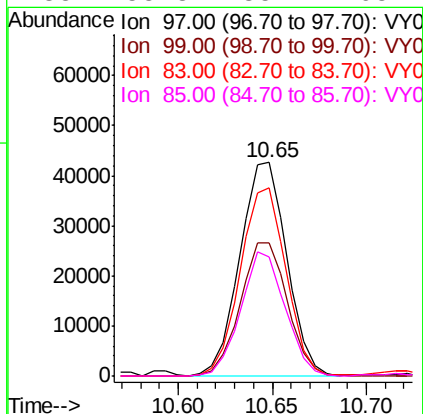
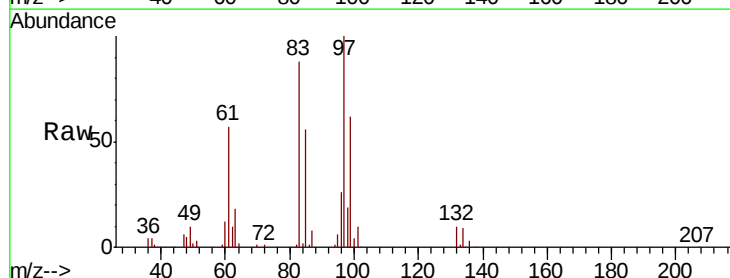
Ion Ratio Lower Upper

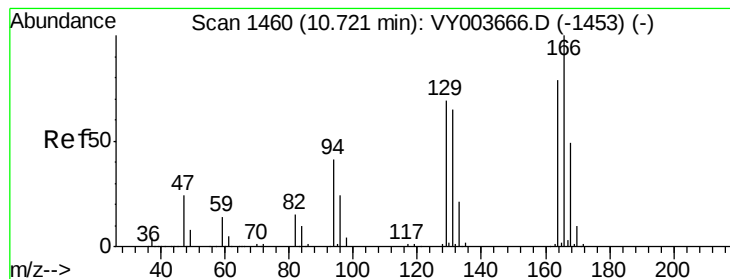
97 100

99 62.5 48.2 89.6

83 88.1 64.8 120.3

85 55.8 35.1 65.1





#46

Tetrachloroethene

Concen: 26.834 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025413

Tot Ion:164 Resp: 73378

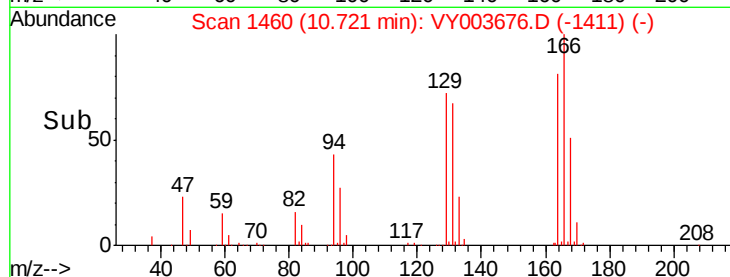
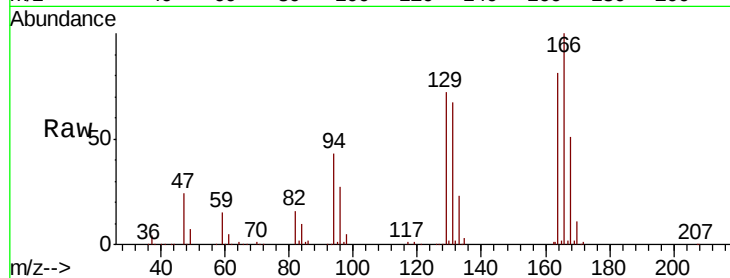
Ion Ratio Lower Upper

164 100

129 89.4 53.4 99.2

131 83.3 60.8 112.8

166 123.8 87.2 162.0



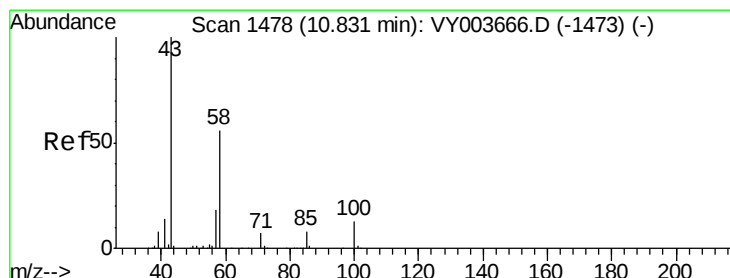
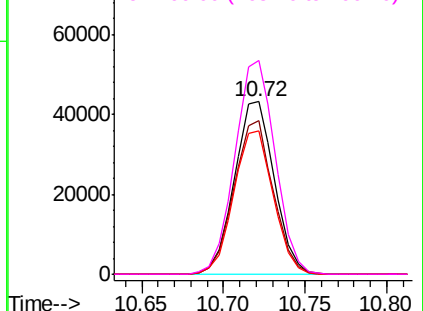
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 56.324 ug/L

RT: 10.83 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Tgt Ion: 43 Resp: 112363

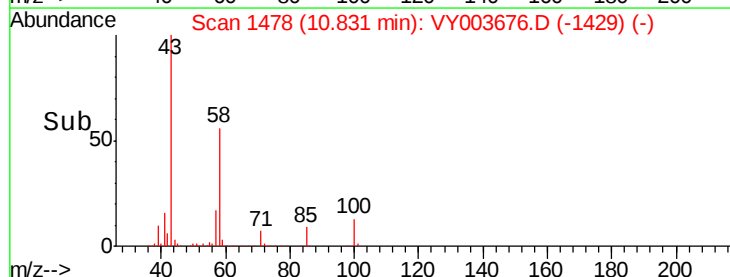
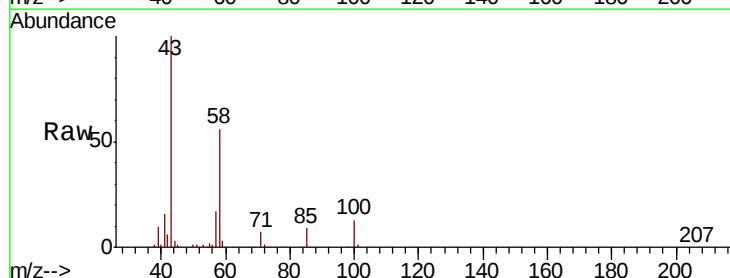
Ion Ratio Lower Upper

43 100

58 56.0 44.3 66.5

57 18.1 12.6 19.0

100 12.9 10.6 16.0



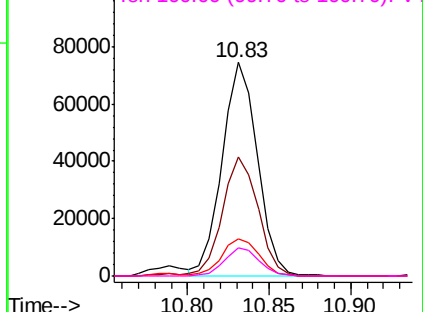
Abundance

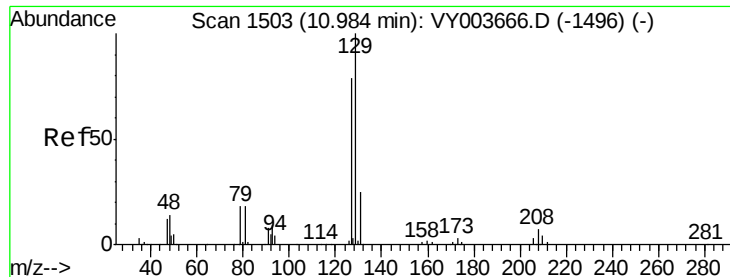
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#49

Dibromochloromethane

Concen: 27.306 ug/L

RT: 10.98 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

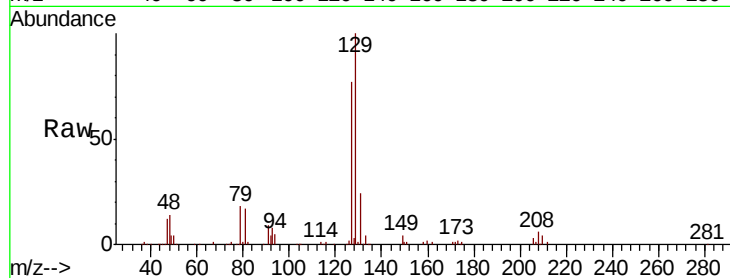
VSTD025413

Tot Ion:129 Resp: 86817

Ion Ratio Lower Upper

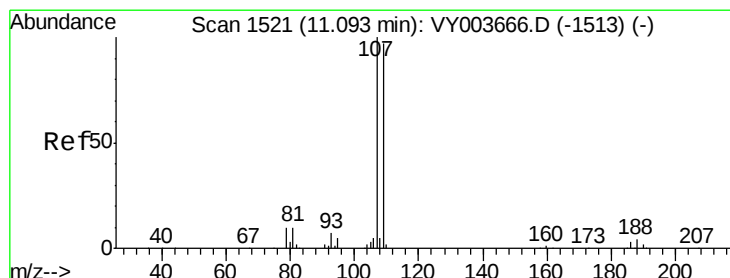
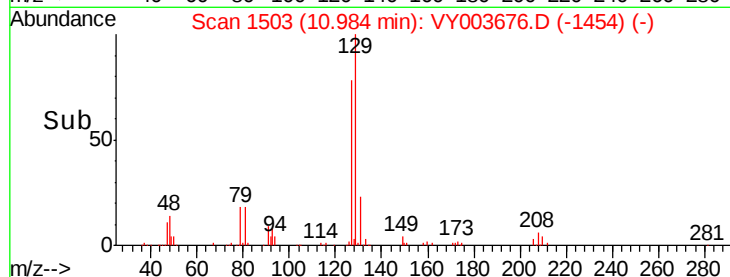
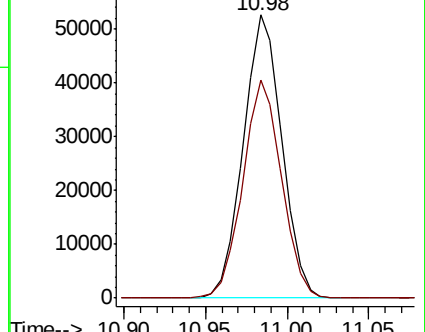
129 100

127 77.1 48.0 89.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 27.122 ug/L

RT: 11.09 min Scan# 1520

Delta R.T. -0.01 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

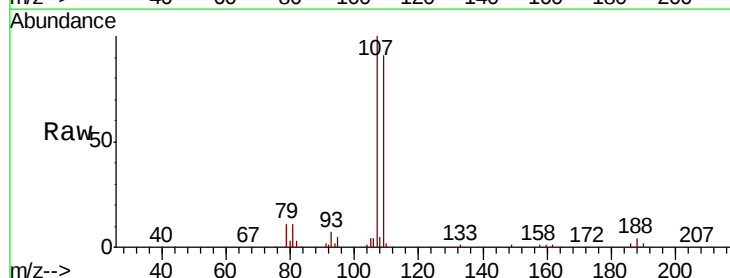
Tgt Ion:107 Resp: 72214

Ion Ratio Lower Upper

107 100

109 90.8 61.9 114.9

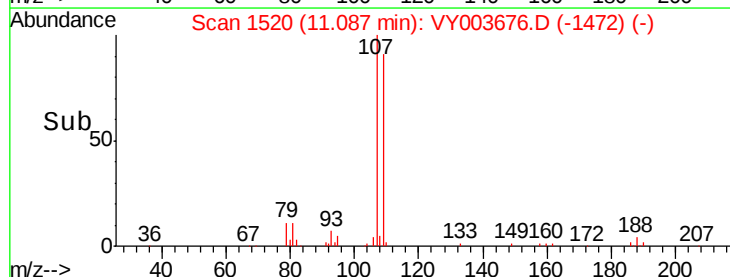
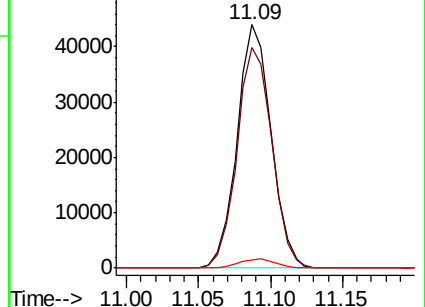
188 3.5 2.1 3.1#

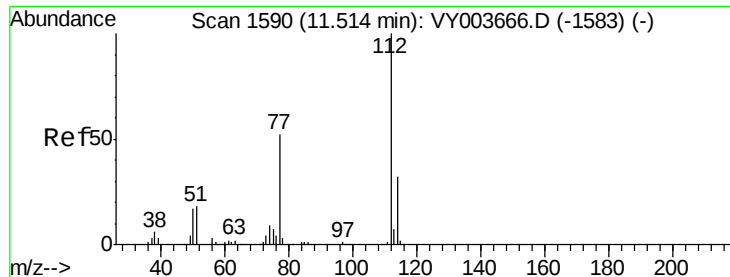


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 26.728 ug/L

RT: 11.51 min Scan# 1590

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025413

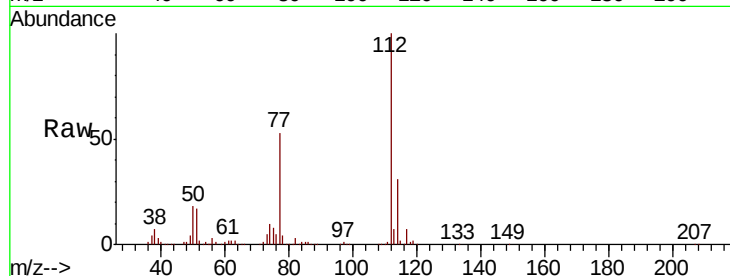
Tot Ion:112 Resp: 237991

Ion Ratio Lower Upper

112 100

114 31.2 22.0 40.8

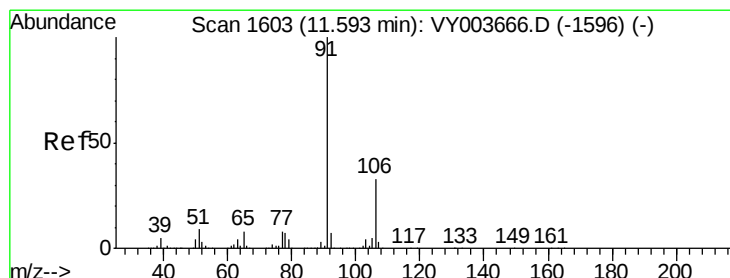
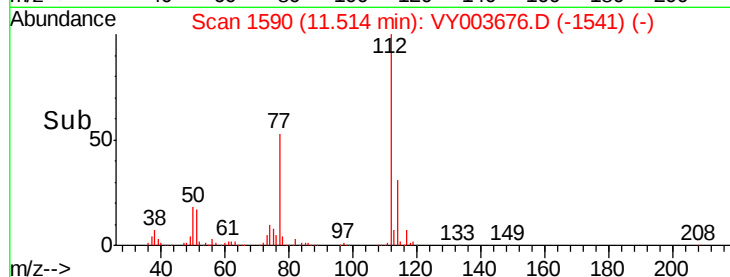
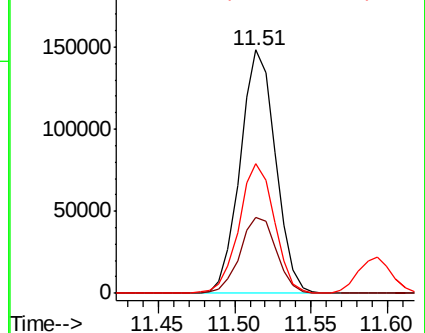
77 53.4 38.4 57.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 27.122 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003676.D

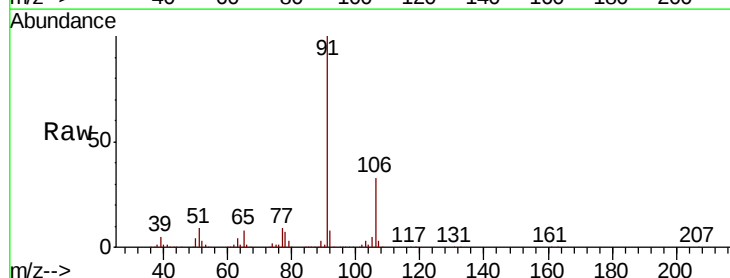
Acq: 07 Dec 2020 18:17

Tgt Ion: 91 Resp: 394175

Ion Ratio Lower Upper

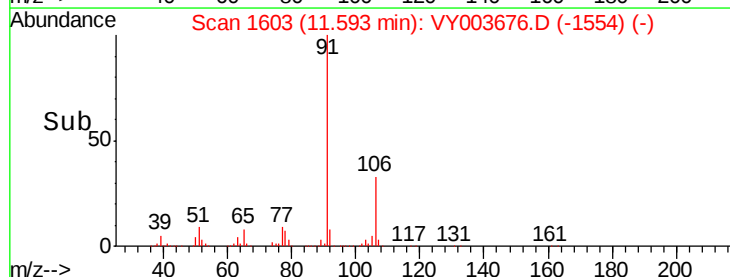
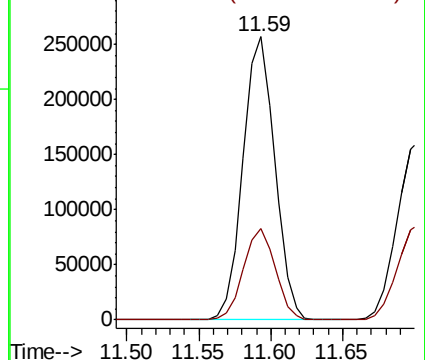
91 100

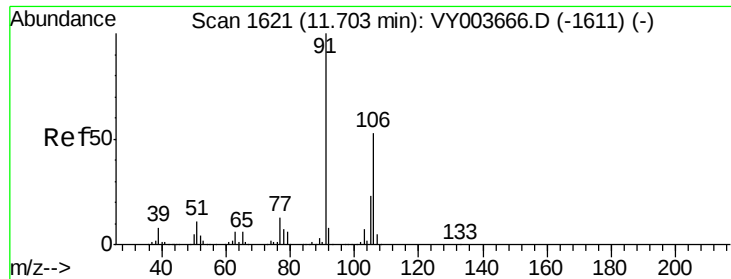
106 32.5 23.7 43.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 27.562 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

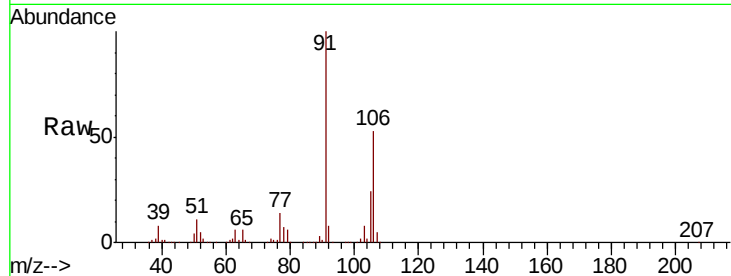
VSTD025413

Tot Ion:106 Resp: 156643

Ion Ratio Lower Upper

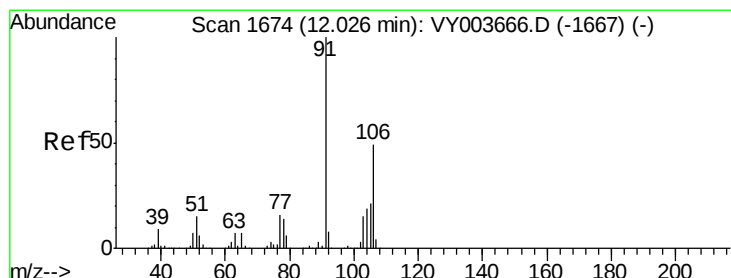
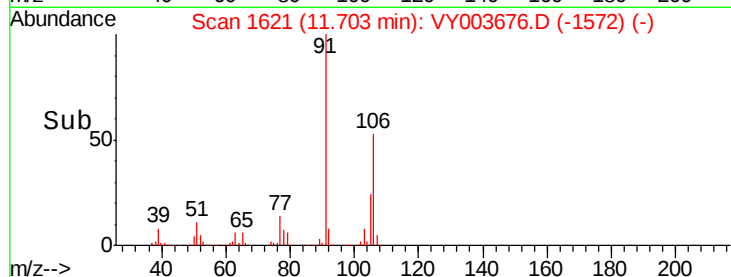
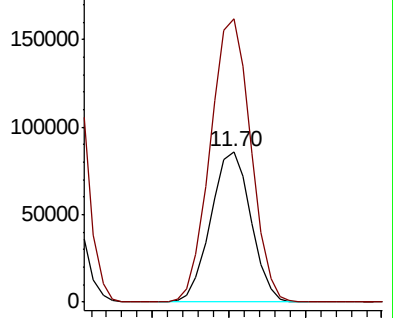
106 100

91 188.2 132.7 246.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#54

o-Xylene

Concen: 27.329 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VY003676.D

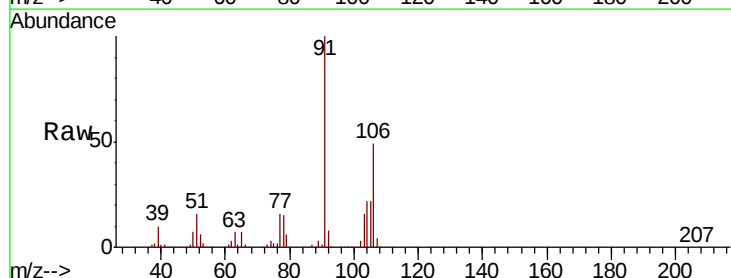
Acq: 07 Dec 2020 18:17

Tgt Ion:106 Resp: 148432

Ion Ratio Lower Upper

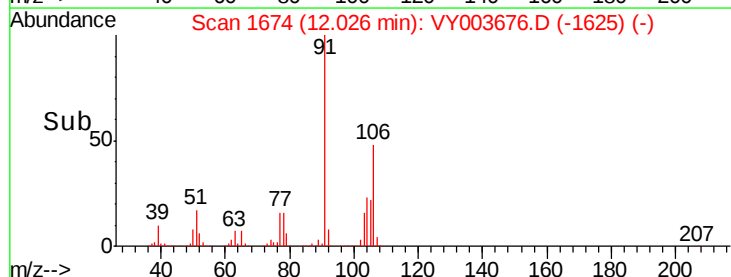
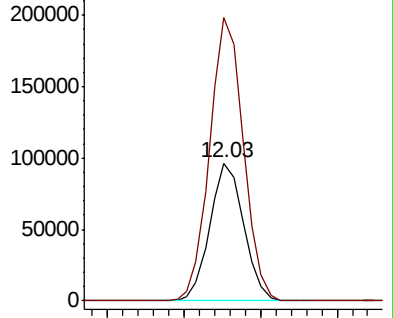
106 100

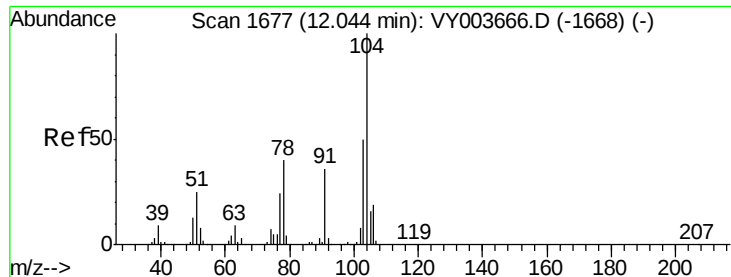
91 205.0 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#55

Stvrene

Concen: 28.077 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

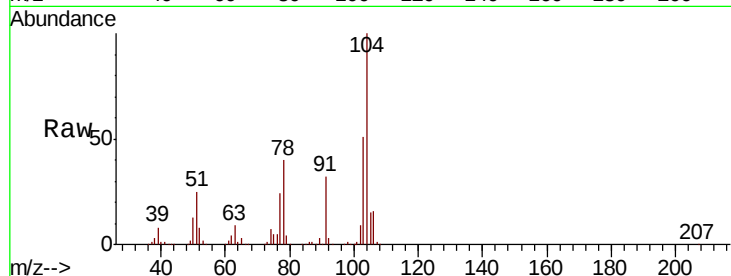
VSTD025413

Tot Ion:104 Resp: 260453

Ion Ratio Lower Upper

104 100

78 40.0 28.1 52.1



Abundance Ion 104.00 (103.70 to 104.70): VY003666.D (-1668) (-)

Ion 78.00 (77.70 to 78.70): VY003666.D (-1668) (-)

12.04

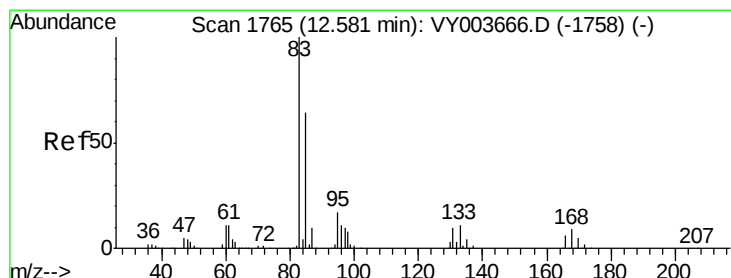
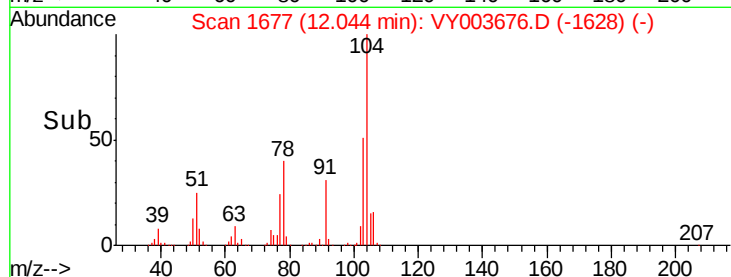
150000

100000

50000

0

Time-->



#57

1,1,2,2-Tetrachloroethane

Concen: 27.872 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

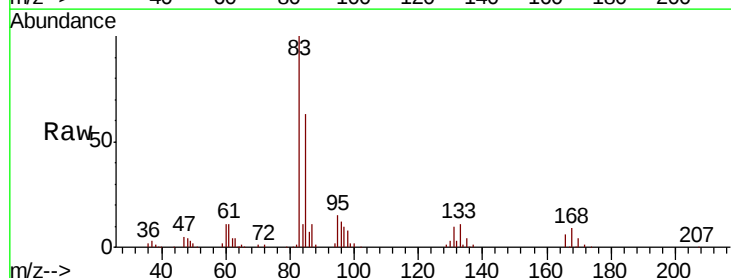
Tgt Ion: 83 Resp: 83428

Ion Ratio Lower Upper

83 100

85 63.1 46.4 86.2

131 9.6 8.0 12.0



Abundance Ion 83.00 (82.70 to 83.70): VY003666.D (-1758) (-)

Ion 85.00 (84.70 to 85.70): VY003666.D (-1758) (-)

Ion 131.00 (130.70 to 131.70): VY003666.D (-1758) (-)

12.58

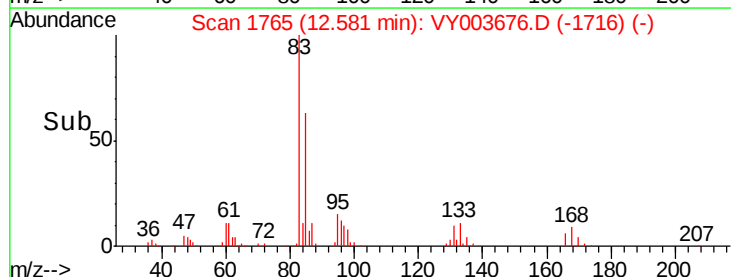
60000

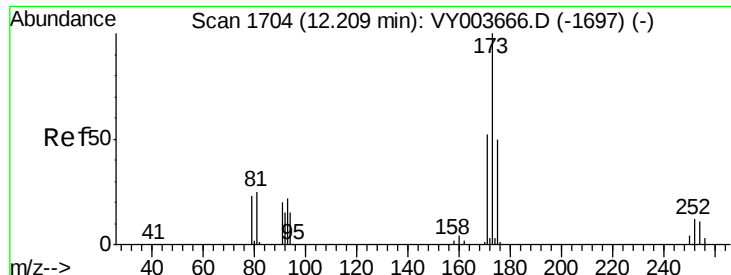
40000

20000

0

Time-->





#59

Bromoform

Concen: 26.997 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025413

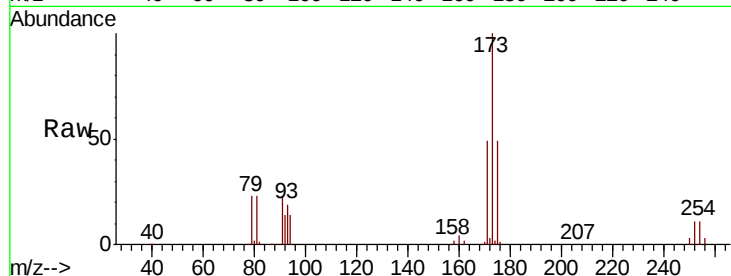
Tot Ion:173 Resp: 59421

Ion Ratio Lower Upper

173 100

175 48.7 41.2 61.8

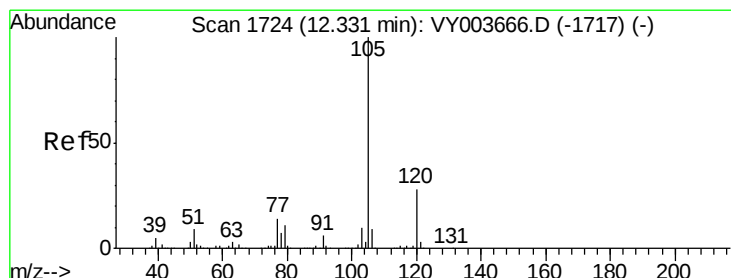
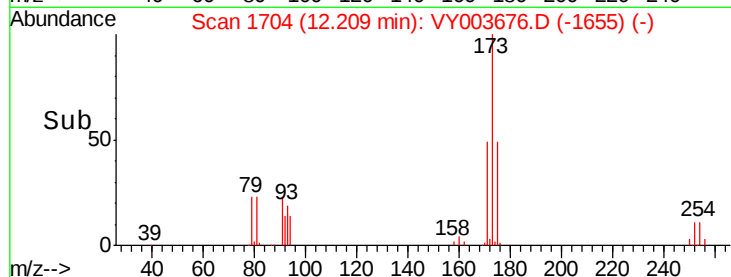
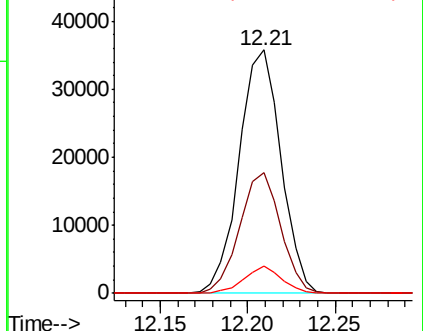
254 10.1 3.2 4.8#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 27.728 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

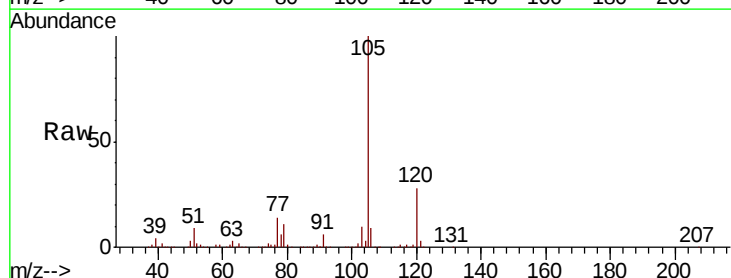
Tgt Ion:105 Resp: 398280

Ion Ratio Lower Upper

105 100

120 27.8 22.6 33.8

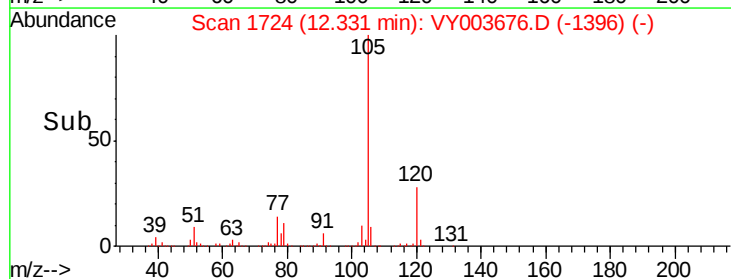
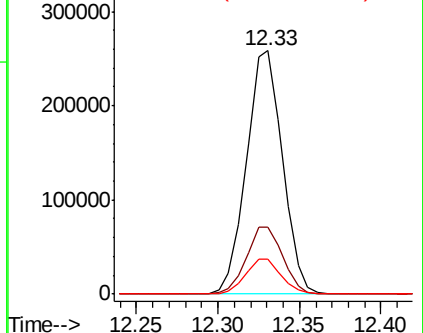
77 14.3 11.9 17.9

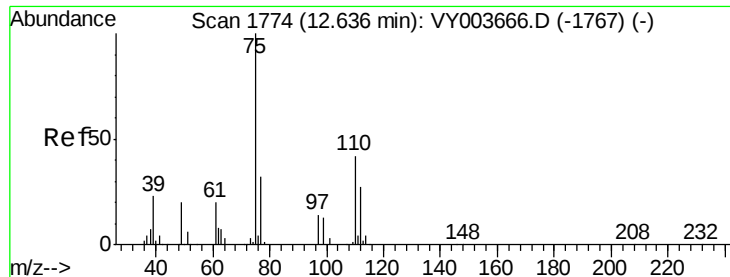


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0

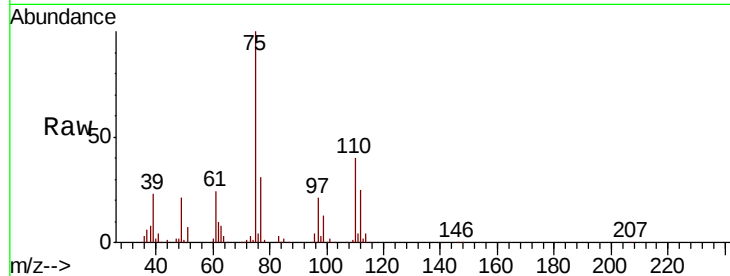




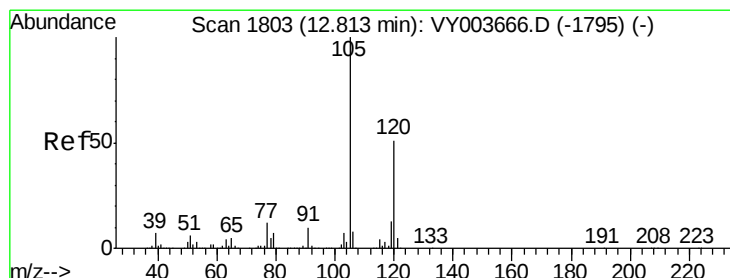
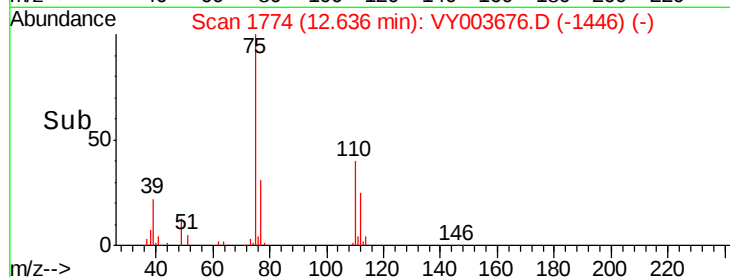
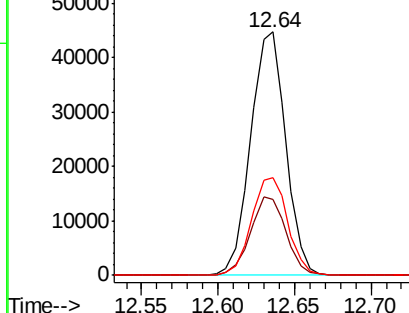
#61
 1,2,3-Trichloropropane
 Concen: 27.173 ug/L
 RT: 12.64 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VY003676.D
 Acq: 07 Dec 2020 18:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025413

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	29.0	43.6
110	41.2	33.3	49.9

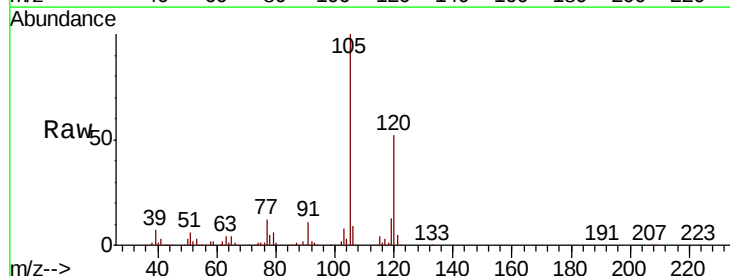


Abundance Ion 75.00 (74.70 to 75.70): VY003666.D (-1767) (-)
 Ion 77.00 (76.70 to 77.70): VY003666.D (-1767) (-)
 Ion 110.00 (109.70 to 110.70): VY003666.D (-1767) (-)

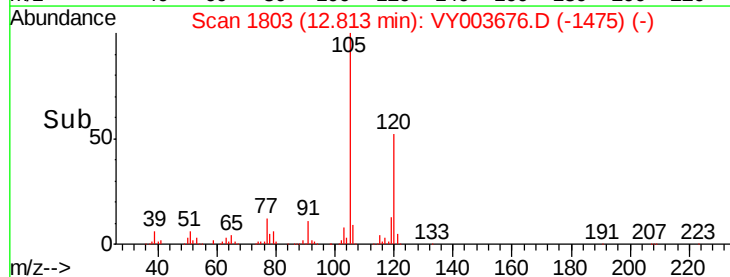
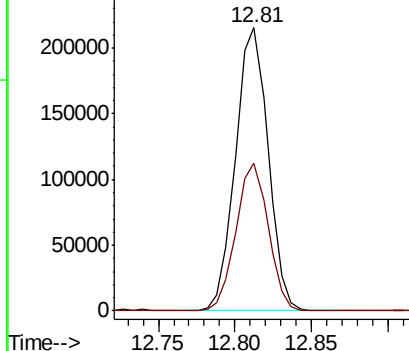


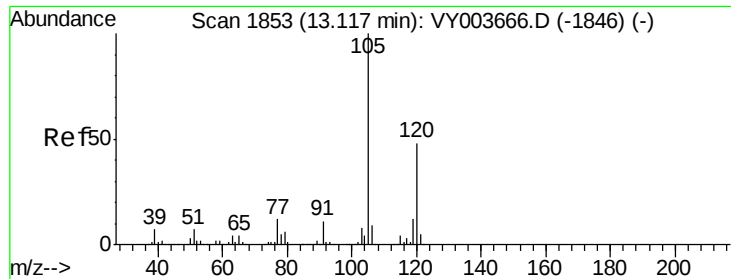
#62
 1,3,5-Trimethylbenzene
 Concen: 27.947 ug/L
 RT: 12.81 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VY003676.D
 Acq: 07 Dec 2020 18:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.9	42.2	63.2



Abundance Ion 105.00 (104.70 to 105.70): VY003666.D (-1795) (-)
 Ion 120.00 (119.70 to 120.70): VY003666.D (-1795) (-)

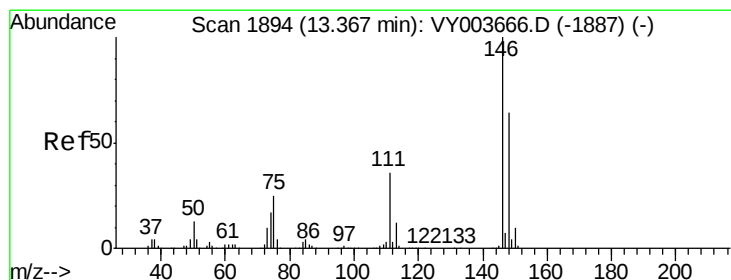
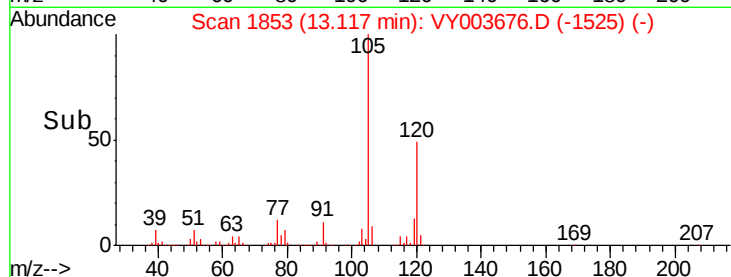
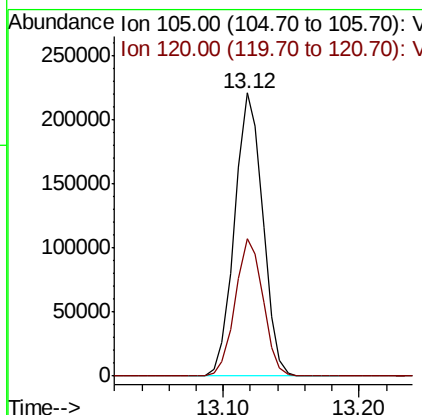
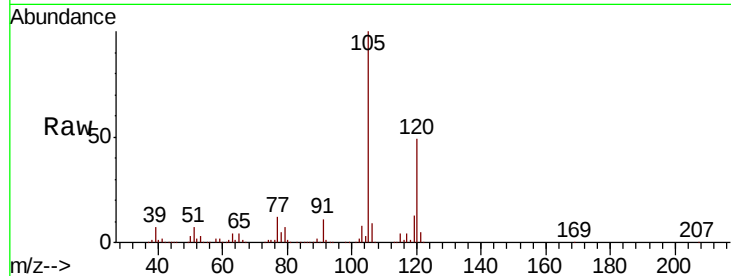




#63
 1,2,4-Trimethylbenzene
 Concen: 28.167 ug/L
 RT: 13.12 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VY003676.D
 Acq: 07 Dec 2020 18:17

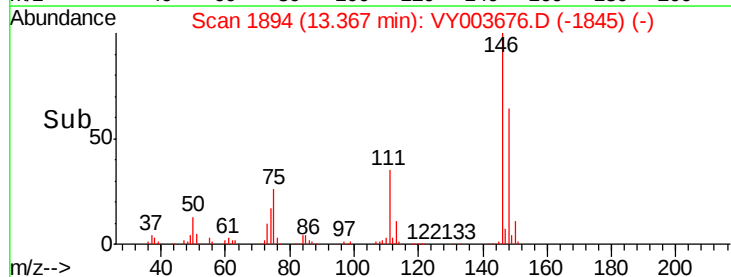
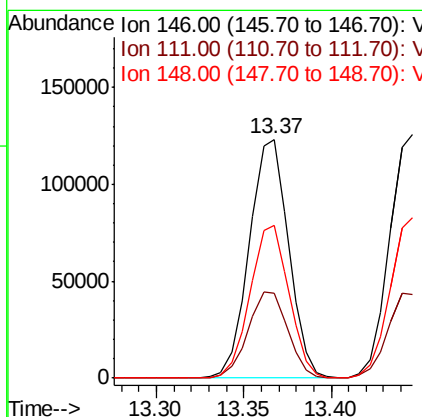
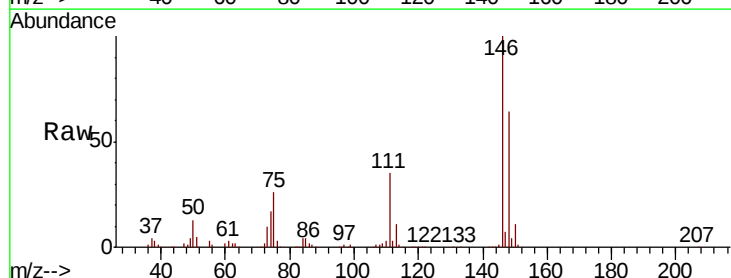
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025413

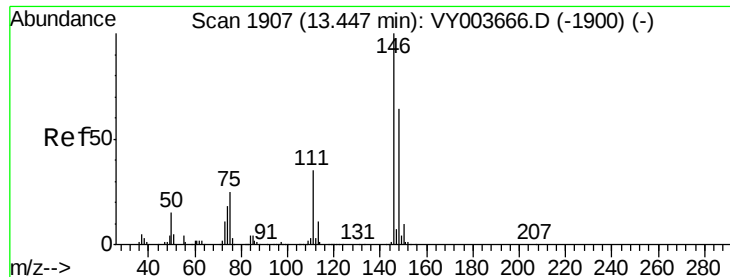
Tot Ion:105 Resp: 318684
 Ion Ratio Lower Upper
 105 100
 120 48.1 39.0 58.6



#64
 1,3-Dichlorobenzene
 Concen: 27.643 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. -0.00 min
 Lab File: VY003676.D
 Acq: 07 Dec 2020 18:17

Tgt Ion:146 Resp: 192458
 Ion Ratio Lower Upper
 146 100
 111 35.4 25.3 47.1
 148 63.7 41.4 76.8

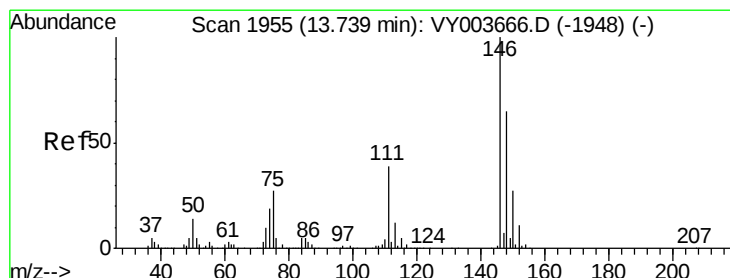
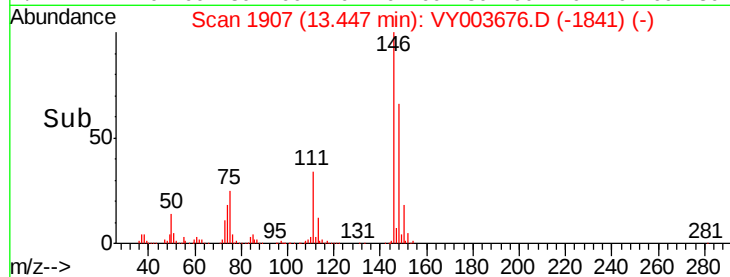
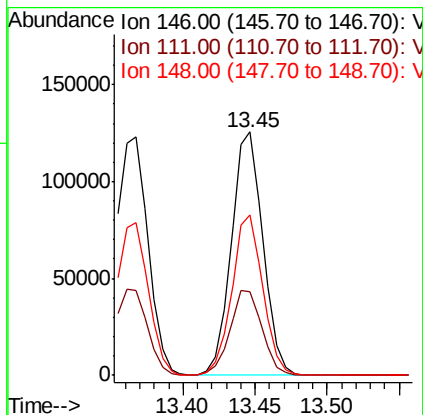
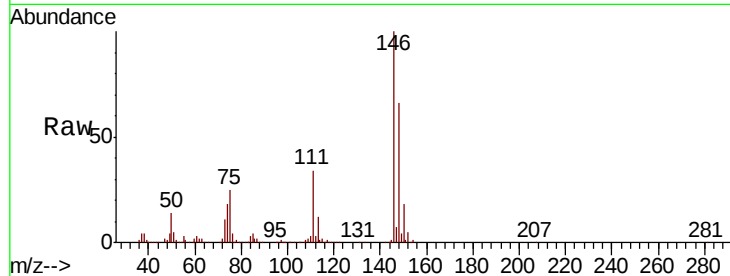




#65
 1,4-Dichlorobenzene
 Concen: 27.217 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003676.D
 Acq: 07 Dec 2020 18:17

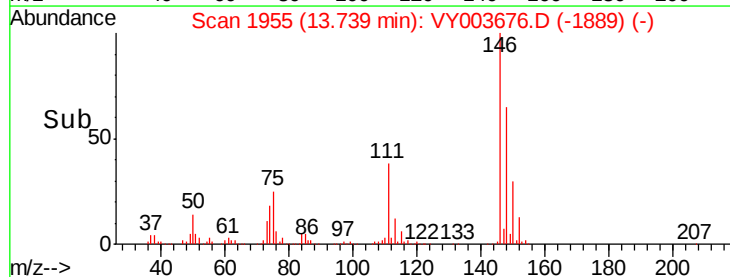
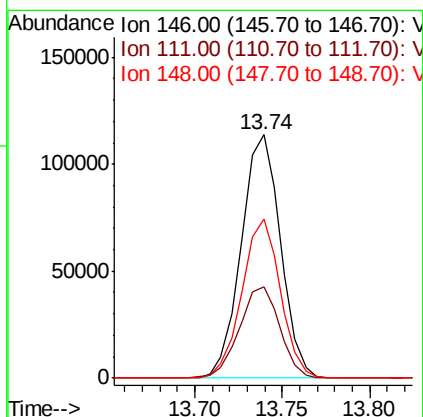
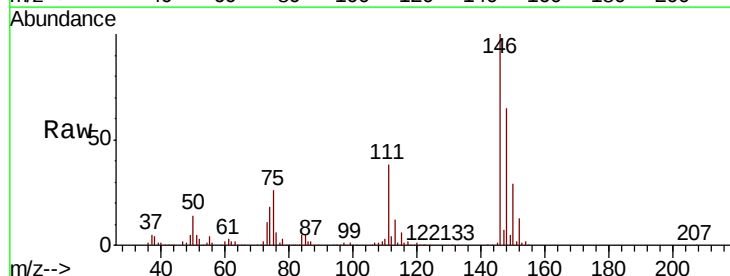
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025413

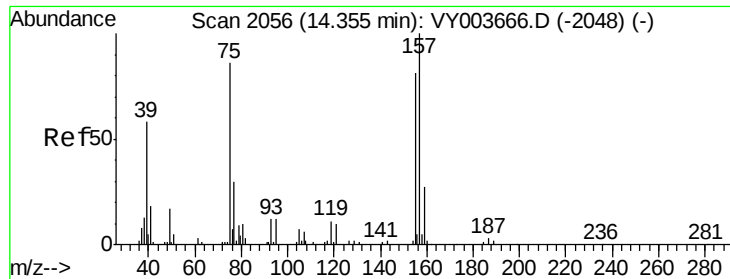
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.2	26.9	50.1
148	66.0	44.9	83.3



#67
 1,2-Dichlorobenzene
 Concen: 27.605 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VY003676.D
 Acq: 07 Dec 2020 18:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	32.5	48.7
148	65.2	48.8	73.2





#68

1,2-Dibromo-3-chloropropane

Concen: 27.182 ug/L

RT: 14.35 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025413

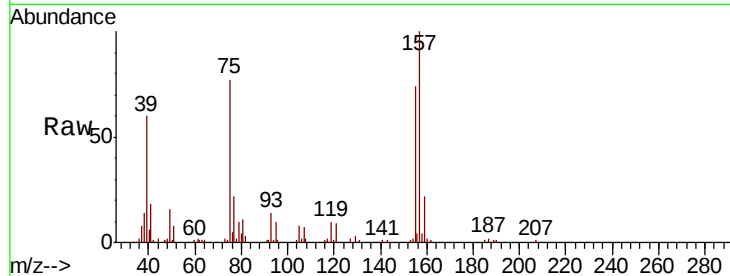
Tot Ion: 75 Resp: 15733

Ion Ratio Lower Upper

75 100

155 97.0 69.5 104.3

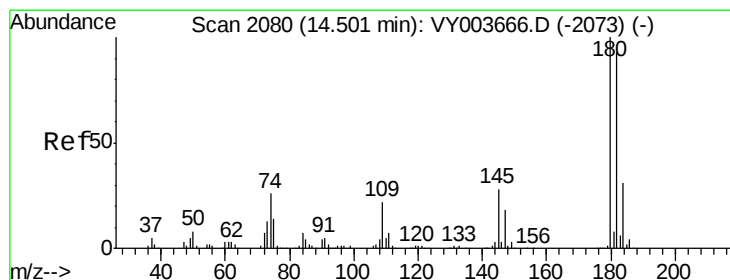
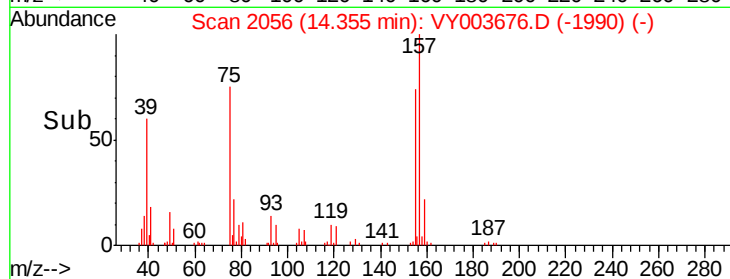
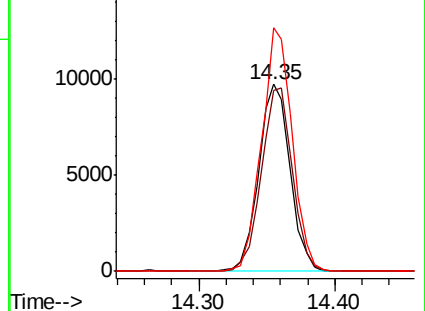
157 130.3 111.3 166.9



Abundance Ion 75.00 (74.70 to 75.70): VY003666.D (-2048) (-)

Ion 155.00 (154.70 to 155.70): VY003666.D (-2048) (-)

Ion 157.00 (156.70 to 157.70): VY003666.D (-2048) (-)



#69

1,3,5-Trichlorobenzene

Concen: 27.221 ug/L

RT: 14.50 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VY003676.D

Acq: 07 Dec 2020 18:17

Tgt Ion: 180 Resp: 134324

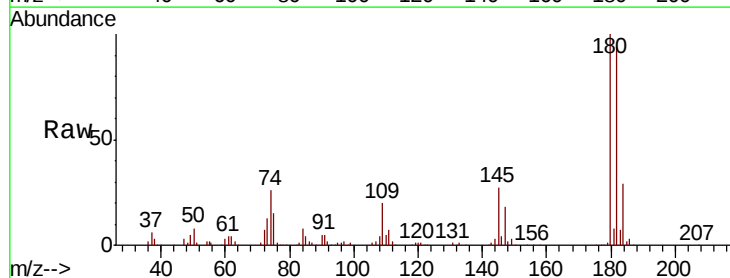
Ion Ratio Lower Upper

180 100

182 96.2 80.1 120.1

184 30.6 24.4 36.6

145 28.1 22.9 34.3

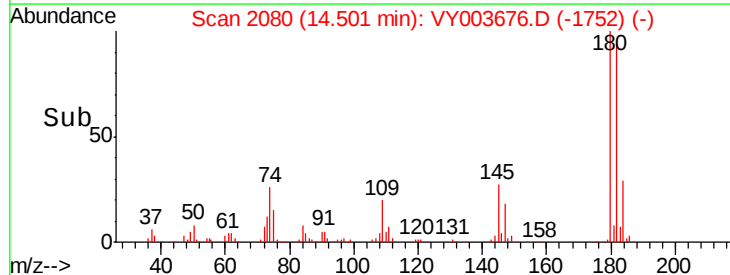
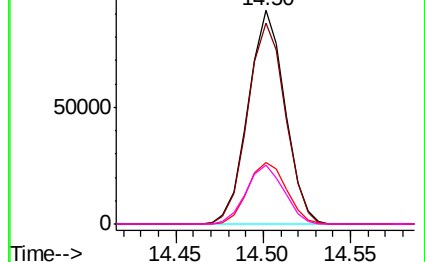


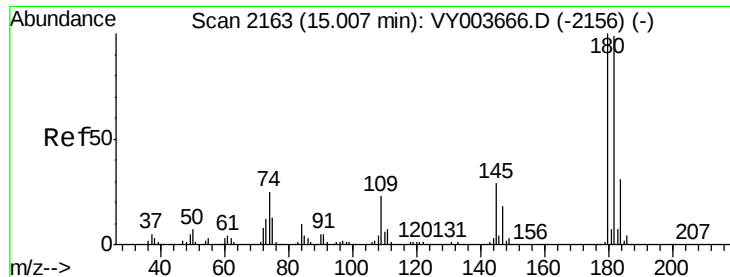
Abundance Ion 180.00 (179.70 to 180.70): VY003666.D (-2073) (-)

Ion 182.00 (181.70 to 182.70): VY003666.D (-2073) (-)

Ion 184.00 (183.70 to 184.70): VY003666.D (-2073) (-)

Ion 145.00 (144.70 to 145.70): VY003666.D (-2073) (-)

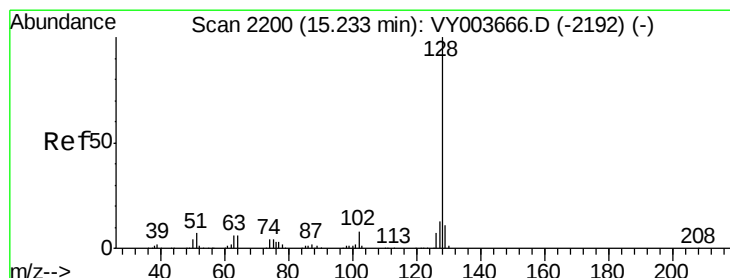
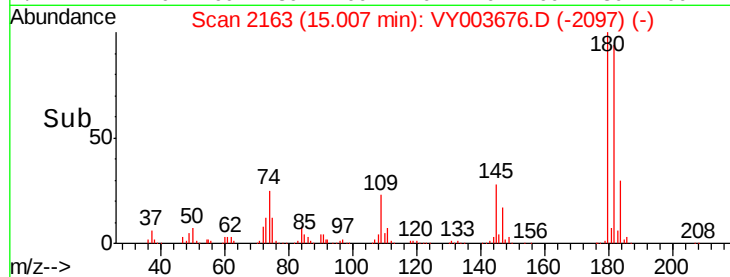
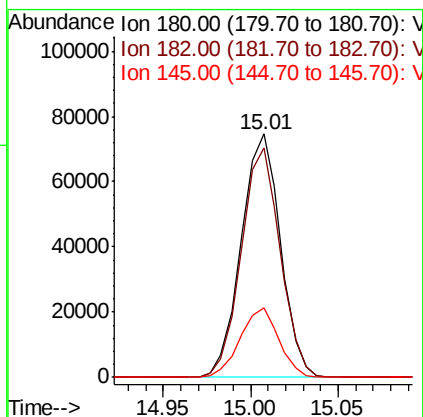
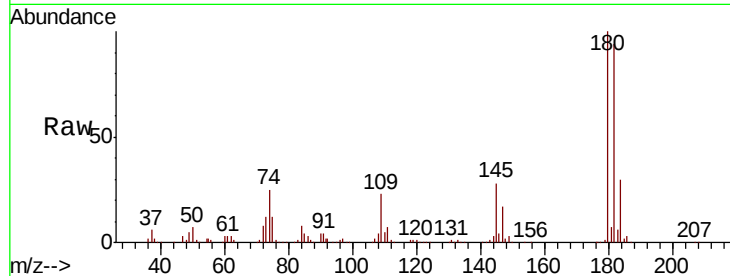




#70
1,2,4-trichlorobenzene
Concen: 27.759 ug/L
RT: 15.01 min Scan# 2163
Delta R.T. -0.00 min
Lab File: VY003676.D
Acq: 07 Dec 2020 18:17

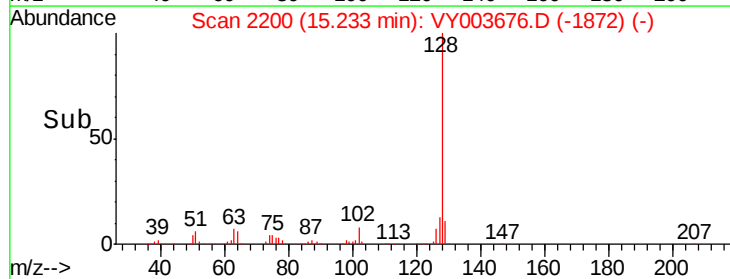
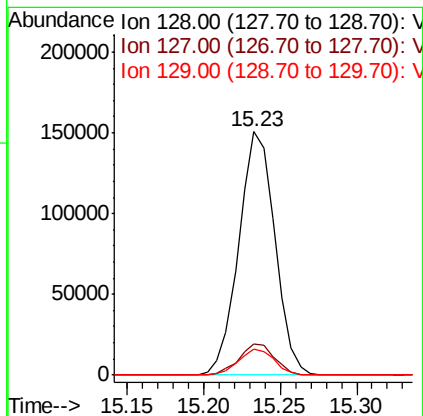
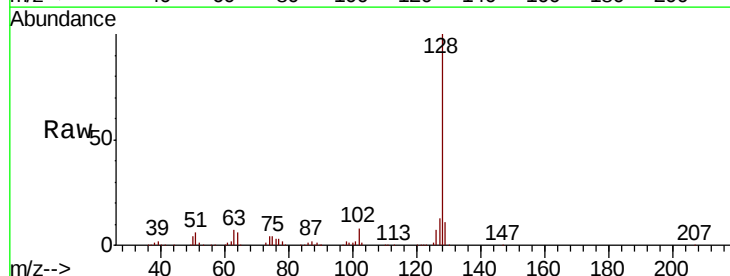
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025413

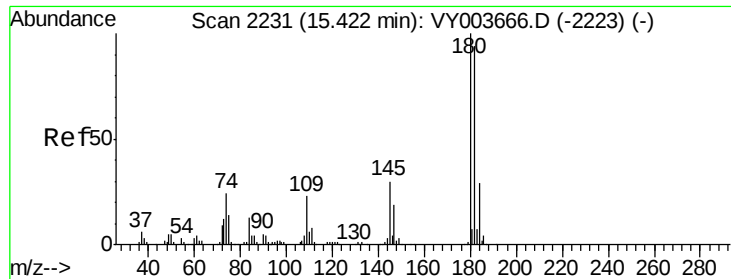
Tot Ion:180 Resp: 116440
Ion Ratio Lower Upper
180 100
182 93.5 81.5 122.3
145 28.1 22.3 33.5



#71
Naphthalene
Concen: 27.823 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003676.D
Acq: 07 Dec 2020 18:17

Tgt Ion:128 Resp: 247688
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.6 9.4 14.0





#72
 1,2,3-Trichlorobenzene
 Concen: 27.406 ug/L
 RT: 15.42 min Scan# 2231
 Delta R.T. -0.00 min
 Lab File: VY003676.D
 Acq: 07 Dec 2020 18:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025413

Tot Ion:	180	Resp:	105429
Ion	Ratio	Lower	Upper
180	100		
182	96.3	78.7	118.1
145	30.3	24.6	37.0

