

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
 Data File : VY003728.D
 Acq On : 11 Dec 2020 14:43
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02594

Quant Time: Dec 12 01:40:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 10:03:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	223310	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	213343	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	115900	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	69576	22.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.12%
7) Chloroethane-d5	2.77	69	57101	23.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.88%
10) 1,1-Dichloroethene-d2	3.87	63	143329	24.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.48%
20) 2-Butanone-d5	6.90	46	51835	46.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.08%
24) Chloroform-d	7.49	84	149187	25.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.84%
26) 1,2-Dichloroethane-d4	8.15	65	83201	25.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.92%
29) Benzene-d6	8.12	84	310250	25.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.48%
33) 1,2-Dichloropropane-d6	9.12	67	89810	24.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.28%
37) Toluene-d8	10.18	98	288911	26.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.36%
38) trans-1,3-Dichloropropene-	10.44	79	45799	26.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.88%
39) 2-Hexanone-d5	10.79	63	44685	48.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.60%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	89589	27.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.04%
61) 1,2-Dichlorobenzene-d4	13.72	152	108454	25.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	67668	26.964	ug/L 99
3) Chloromethane	2.12	50	70471	25.874	ug/L 98
5) Vinyl chloride	2.26	62	78543	27.273	ug/L 96
6) Bromomethane	2.66	94	44077	23.670	ug/L 98
8) Chloroethane	2.80	64	48683	27.764	ug/L 98
9) Trichlorofluoromethane	3.14	101	125604	28.486	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	78898	27.835	ug/L 99
12) 1,1-Dichloroethene	3.89	96	76031	28.450	ug/L 84
13) Acetone	3.96	43	40337	48.877	ug/L 100
14) Carbon disulfide	4.20	76	238259	26.749	ug/L 99
15) Methyl Acetate	4.48	43	53411	25.721	ug/L 98
16) Methylene chloride	4.73	84	88919	22.677	ug/L 96
17) Methyl tert-butyl Ether	5.23	73	212849	28.098	ug/L 99
18) trans-1,2-Dichloroethene	5.23	96	83150	27.633	ug/L 97
19) 1,1-Dichloroethane	6.03	63	135452	26.814	ug/L 97
21) 2-Butanone	7.00	43	68930	47.301	ug/L 97
22) cis-1,2-Dichloroethene	7.00	96	89503	27.911	ug/L 92

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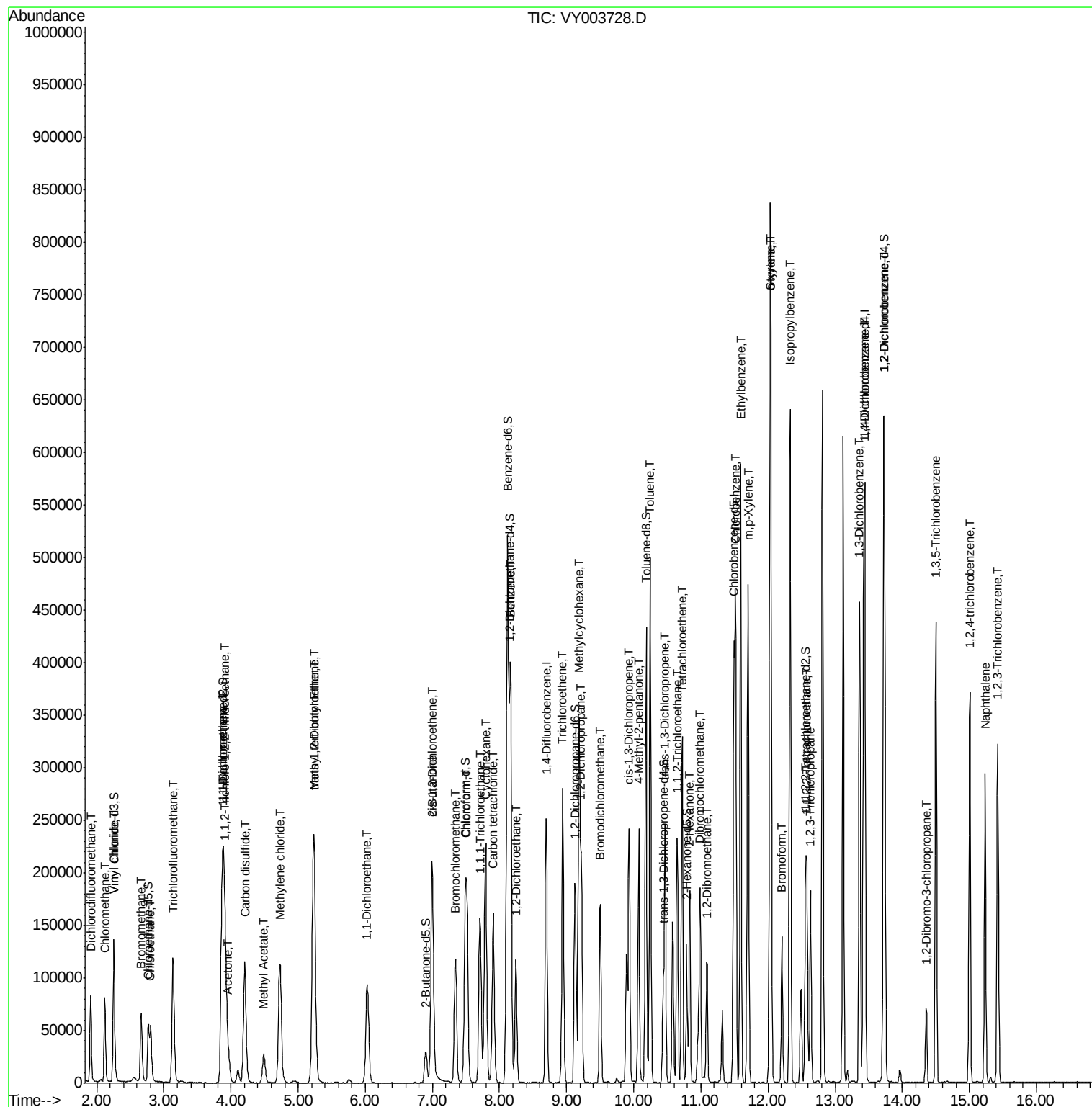
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	44171	27.593	ug/L	95
25) Chloroform	7.51	83	142637	27.893	ug/L	99
27) 1,2-Dichloroethane	8.25	62	97862	28.292	ug/L	99
30) Cyclohexane	7.79	56	126080	27.431	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	129303	28.433	ug/L	99
32) Carbon tetrachloride	7.90	117	116797	28.932	ug/L	99
34) Benzene	8.17	78	335274	27.472	ug/L	100
35) Trichloroethene	8.94	95	88716	26.477	ug/L	99
36) Methylcyclohexane	9.18	83	142160	27.685	ug/L	99
40) 1,2-Dichloropropane	9.22	63	82707	27.021	ug/L	100
41) Bromodichloromethane	9.50	83	109752	28.221	ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	136514	28.335	ug/L	99
43) 4-Methyl-2-pentanone	10.07	43	151454	52.677	ug/L	99
44) Toluene	10.25	91	364872	28.342	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	127734	28.764	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	73313	27.781	ug/L	97
47) Tetrachloroethene	10.72	164	74933	28.716	ug/L	96
49) 2-Hexanone	10.83	43	106108	52.513	ug/L	99
50) Dibromochloromethane	10.98	129	88622	28.695	ug/L	99
51) 1,2-Dibromoethane	11.09	107	71321	27.930	ug/L	99
52) Chlorobenzene	11.51	112	239983	28.325	ug/L	100
53) Ethylbenzene	11.59	91	398838	28.387	ug/L	100
54) m,p-Xylene	11.70	106	157931	29.138	ug/L	96
55) o-xylene	12.03	106	149655	28.780	ug/L	98
56) Styrene	12.04	104	264053	29.670	ug/L	99
57) Isopropylbenzene	12.33	105	398913	29.342	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	84979	30.035	ug/L	100
59) 1,2,3-Trichloropropane	12.64	75	70547	27.889	ug/L	99
62) Bromoform	12.21	173	60680	27.735	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	192027	27.861	ug/L	99
64) 1,4-Dichlorobenzene	13.45	146	193259	27.582	ug/L	98
65) 1,2-Dichlorobenzene	13.74	146	180798	28.592	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.35	75	16506	28.021	ug/L	94
67) 1,3,5-Trichlorobenzene	14.50	180	136443	28.001	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	115770	27.850	ug/L	100
69) Naphthalene	15.23	128	244533	28.047	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	106523	28.053	ug/L	99

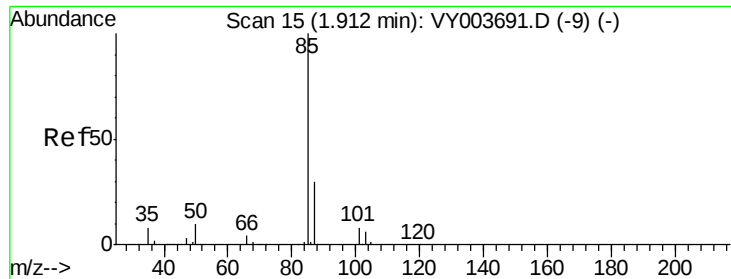
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.964 ug/L

RT: 1.91 min Scan# 15

Delta R.T. 0.00 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

Instrument :

MSVOA_Y

ClientSampleId :

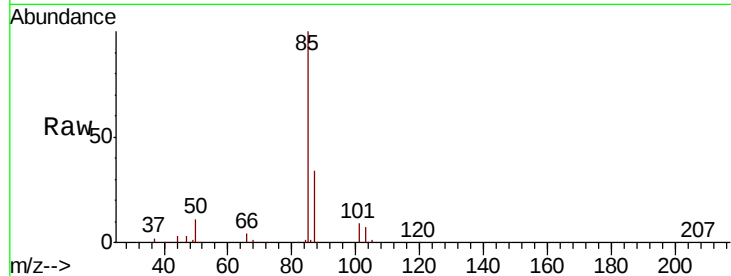
VSTD02594

Tot Ion: 85 Resp: 67668

Ion Ratio Lower Upper

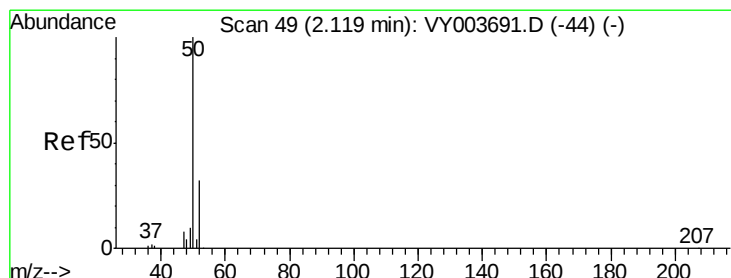
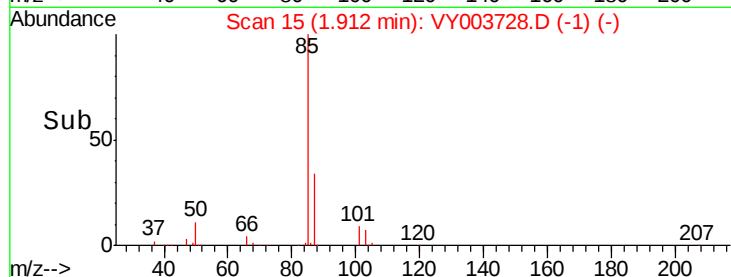
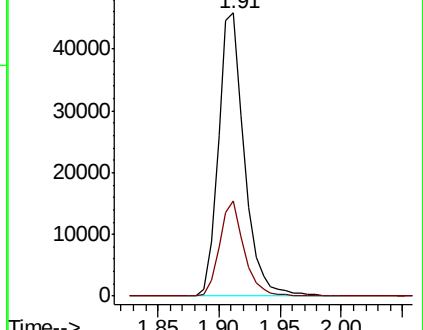
85 100

87 31.8 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VY003691.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VY003691.D (-9) (-)



#3

Chloromethane

Concen: 25.874 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003728.D

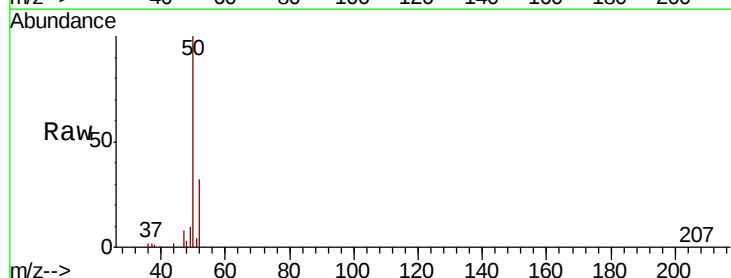
Acq: 11 Dec 2020 14:43

Tgt Ion: 50 Resp: 70471

Ion Ratio Lower Upper

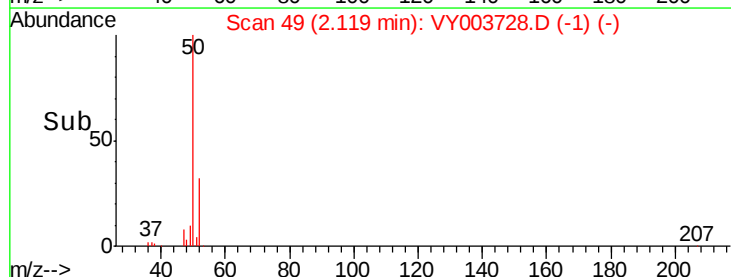
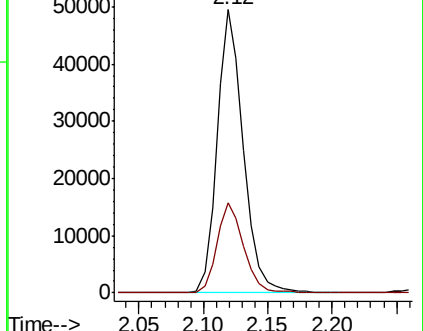
50 100

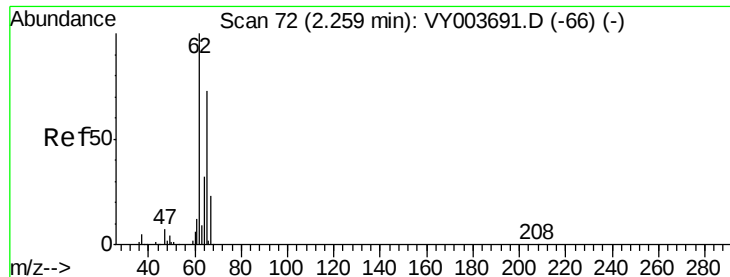
52 31.9 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY003691.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VY003691.D (-44) (-)





#5

Vinyl chloride

Concen: 27.273 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.00 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

Instrument :

MSVOA_Y

ClientSampleId :

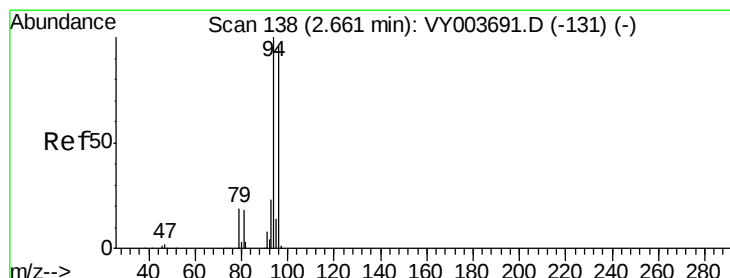
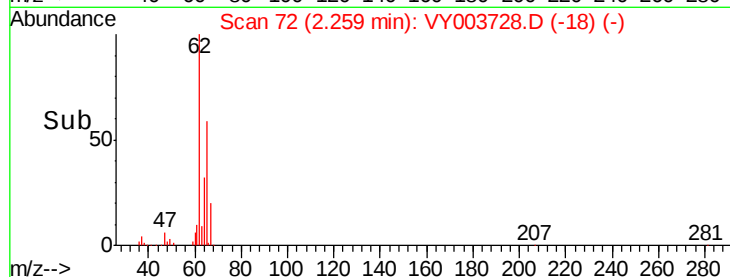
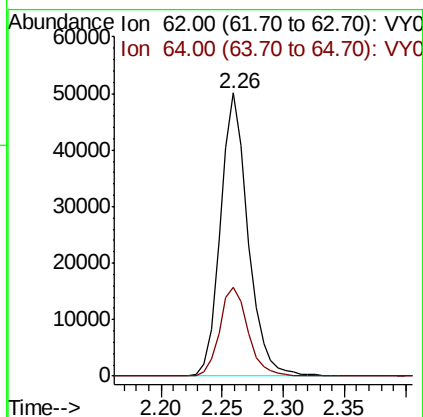
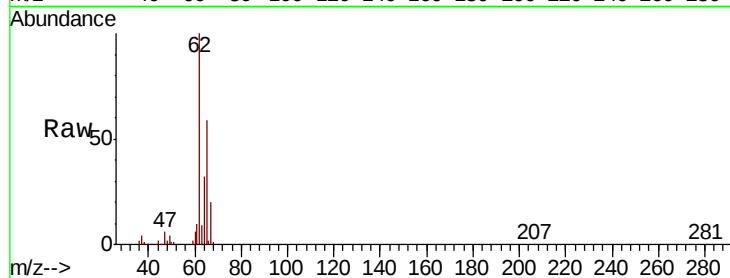
VSTD02594

Tot Ion: 62 Resp: 78543

Ion Ratio Lower Upper

62 100

64 31.6 23.8 44.2



#6

Bromomethane

Concen: 23.670 ug/L

RT: 2.66 min Scan# 138

Delta R.T. -0.01 min

Lab File: VY003728.D

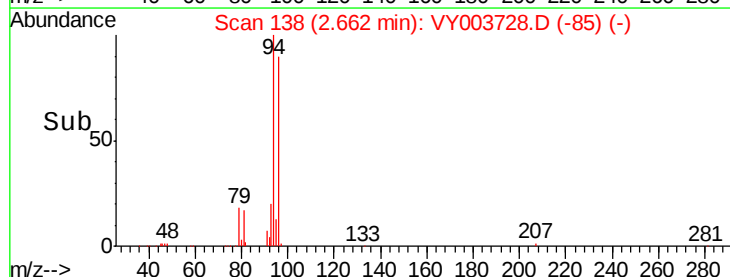
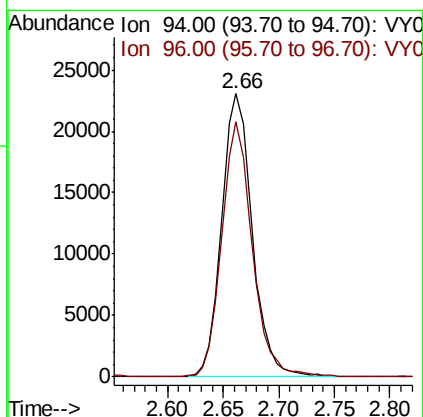
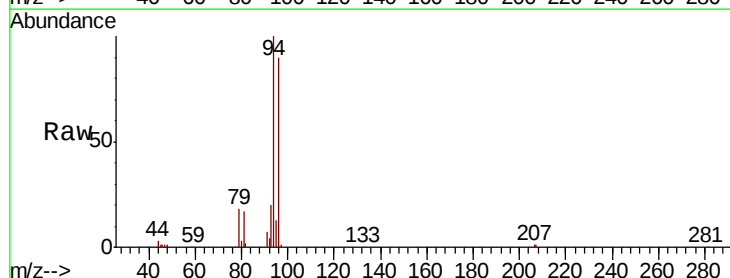
Acq: 11 Dec 2020 14:43

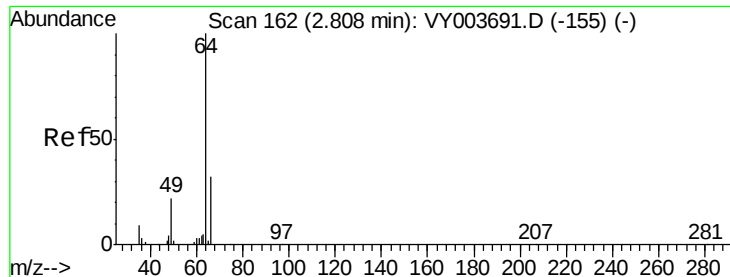
Tgt Ion: 94 Resp: 44077

Ion Ratio Lower Upper

94 100

96 89.8 9.2 174.6





#8

Chloroethane

Concen: 27.764 ug/L

RT: 2.80 min Scan# 161

Delta R.T. -0.01 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

Instrument :

MSVOA_Y

ClientSampleId :

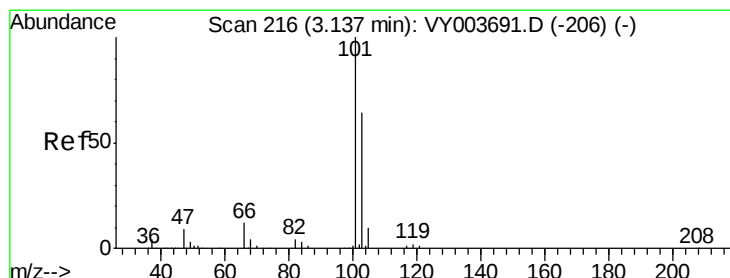
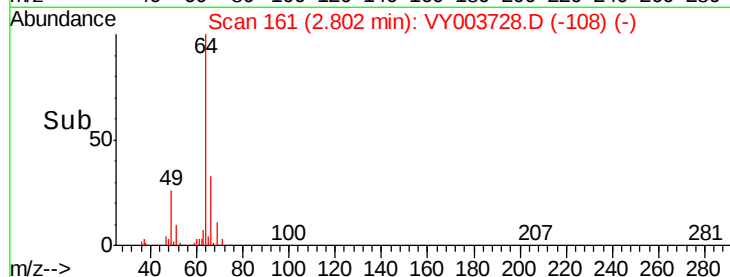
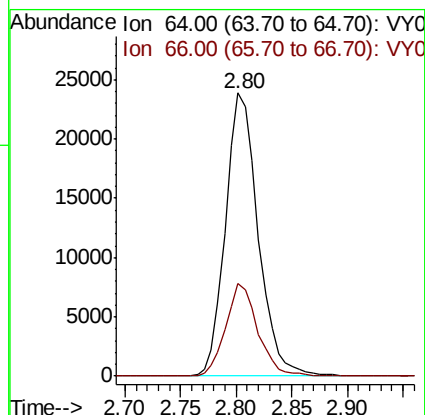
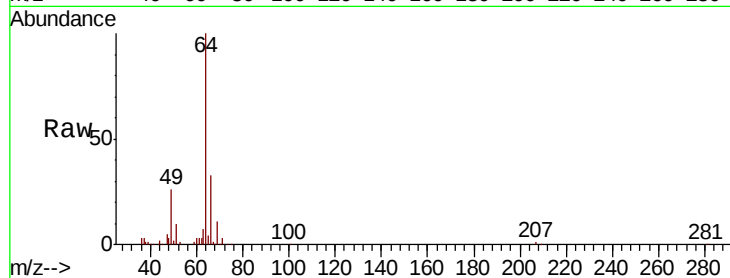
VSTD02594

Tot Ion: 64 Resp: 48683

Ion Ratio Lower Upper

64 100

66 32.7 23.8 44.2



#9

Trichlorofluoromethane

Concen: 28.486 ug/L

RT: 3.14 min Scan# 216

Delta R.T. 0.00 min

Lab File: VY003728.D

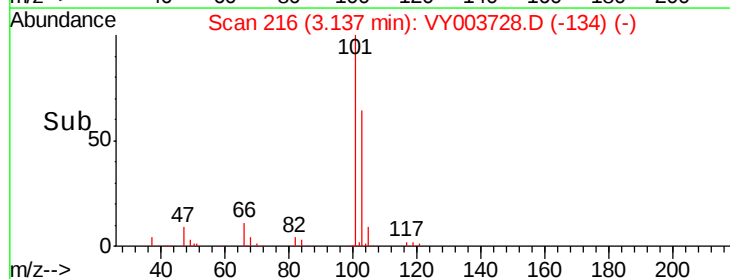
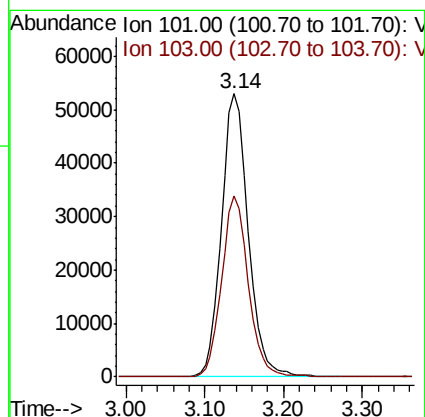
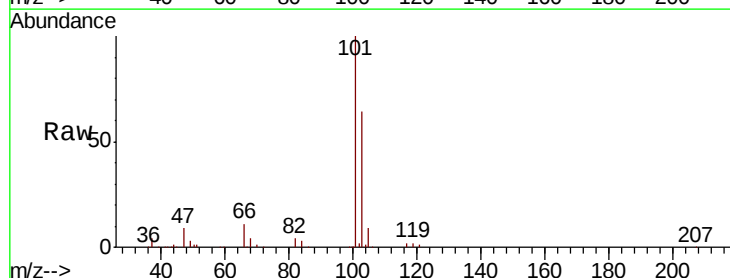
Acq: 11 Dec 2020 14:43

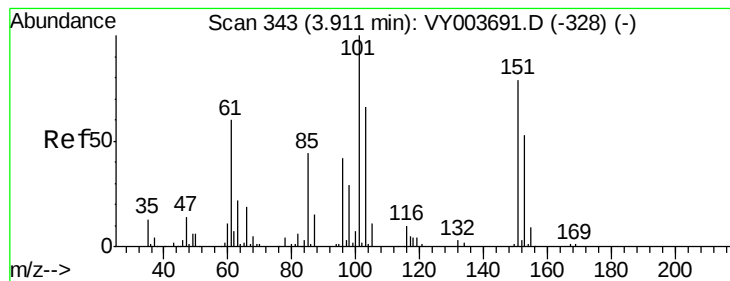
Tgt Ion: 101 Resp: 125604

Ion Ratio Lower Upper

101 100

103 63.4 45.1 83.7





#11

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

Concen: 27.835 ug/L

RT: 3.91 min Scan# 343

Delta R.T. -0.01 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

Instrument :

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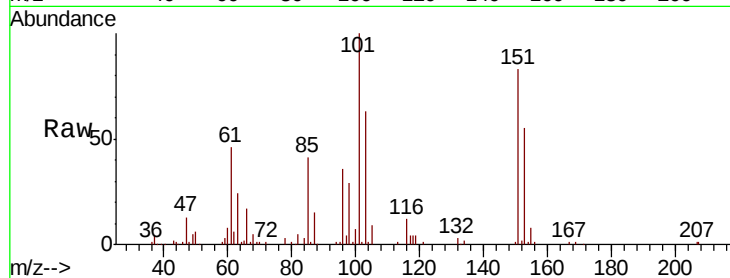
Tot Ion:101 Resp: 78898

Ion Ratio Lower Upper

101 100

85 42.5 33.9 50.9

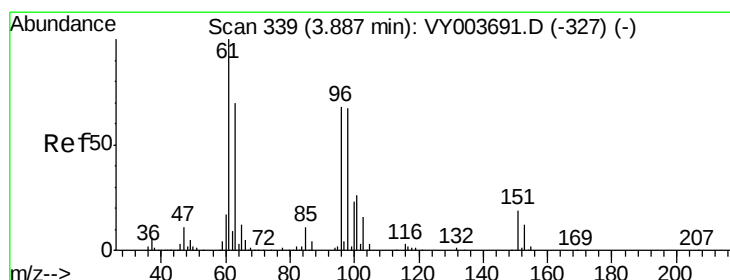
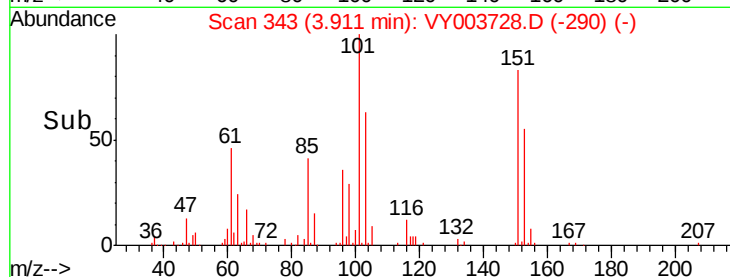
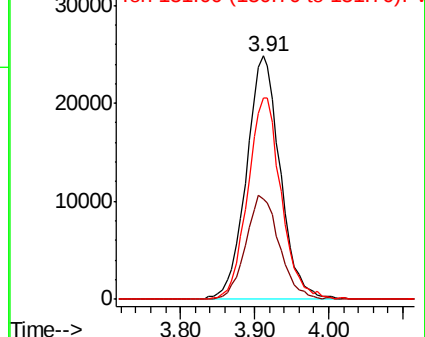
151 82.0 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VY003728.D (-290) (-)

Ion 85.00 (84.70 to 85.70): VY003728.D (-290) (-)

Ion 151.00 (150.70 to 151.70): VY003728.D (-290) (-)



#12

1,1-Dichloroethene

Concen: 28.450 ug/L

RT: 3.89 min Scan# 339

Delta R.T. 0.00 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

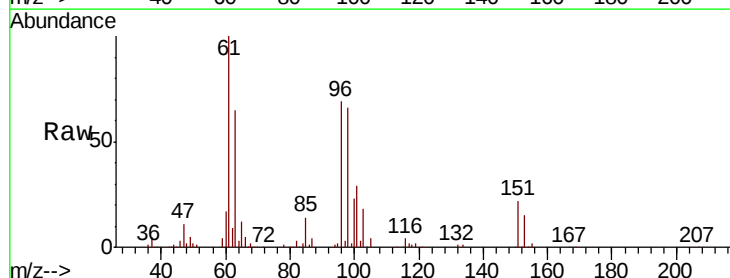
Tgt Ion: 96 Resp: 76031

Ion Ratio Lower Upper

96 100

61 145.1 108.5 201.5

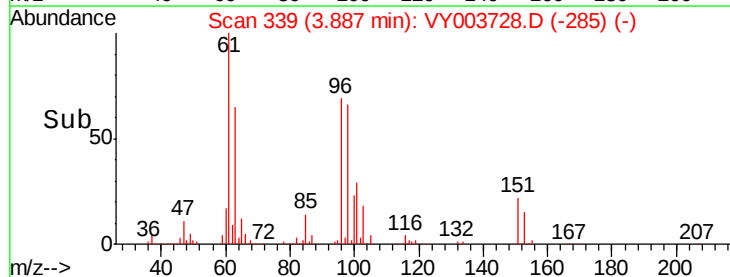
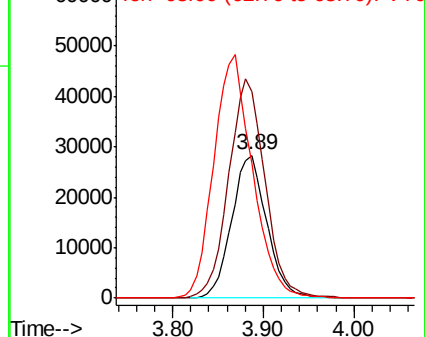
63 94.7 87.8 163.0

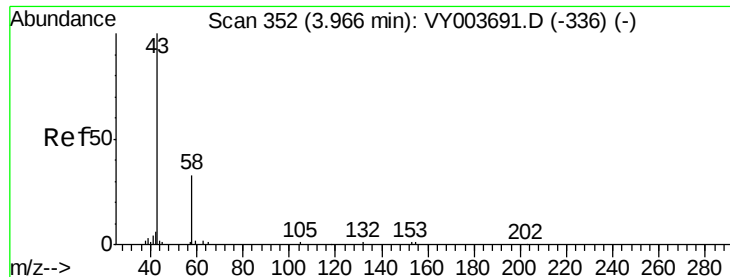


Abundance Ion 96.00 (95.70 to 96.70): VY003728.D (-285) (-)

Ion 61.00 (60.70 to 61.70): VY003728.D (-285) (-)

Ion 63.00 (62.70 to 63.70): VY003728.D (-285) (-)





#13

Acetone

Concen: 48.877 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

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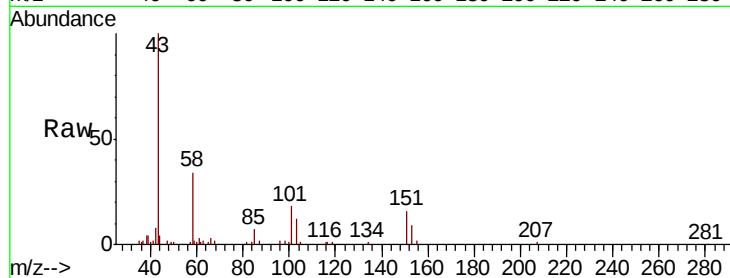
VSTD02594

Tot Ion: 43 Resp: 40337

Ion Ratio Lower Upper

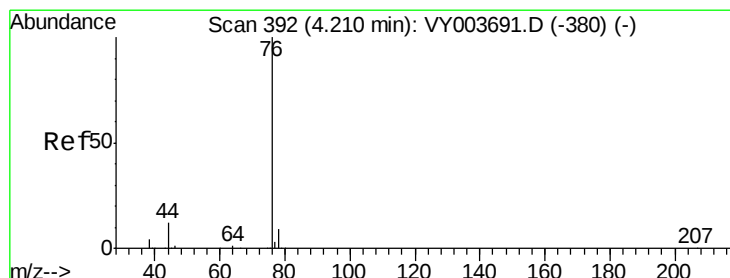
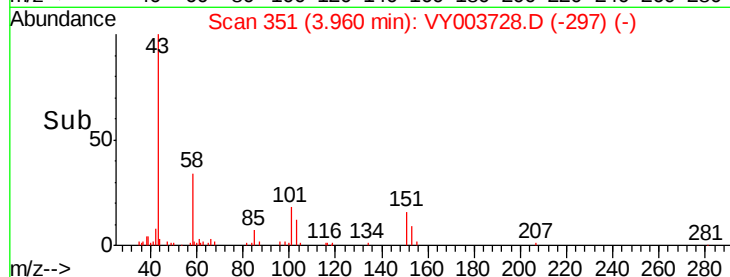
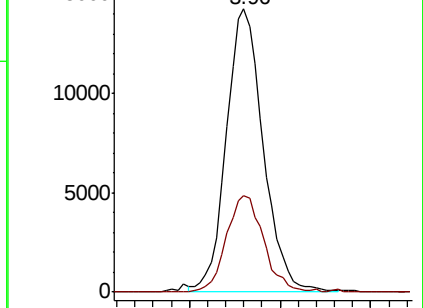
43 100

58 34.2 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY003728.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY003728.D (-351) (-)



#14

Carbon disulfide

Concen: 26.749 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.01 min

Lab File: VY003728.D

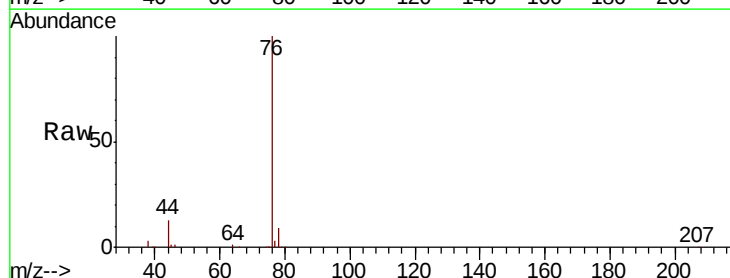
Acq: 11 Dec 2020 14:43

Tgt Ion: 76 Resp: 238259

Ion Ratio Lower Upper

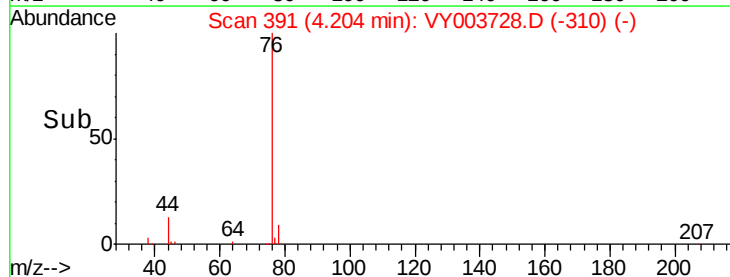
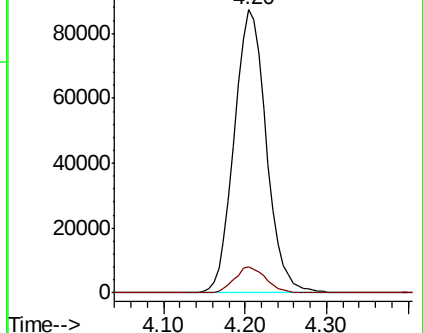
76 100

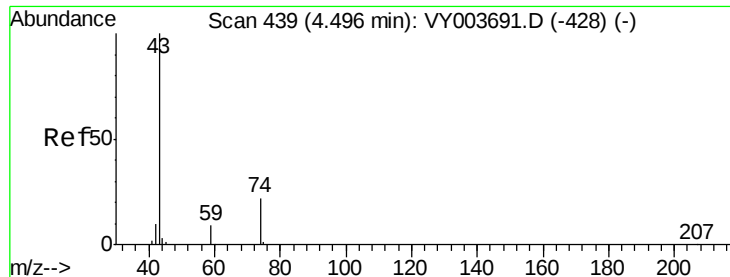
78 9.0 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY003728.D (-391) (-)

Ion 78.00 (77.70 to 78.70): VY003728.D (-391) (-)





#15

Methvl Acetate

Concen: 25.721 ug/L

RT: 4.48 min Scan# 437

Delta R.T. 0.00 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

Instrument :

MSVOA_Y

ClientSampleId :

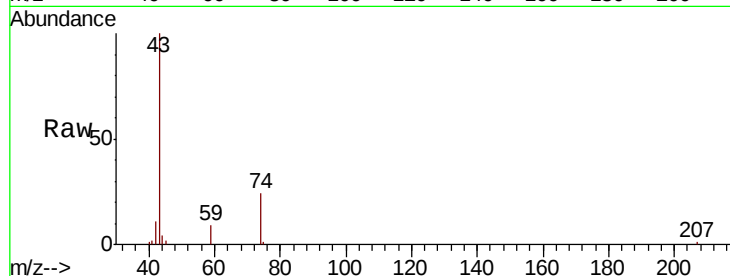
VSTD02594

Tot Ion: 43 Resp: 53411

Ion Ratio Lower Upper

43 100

74 24.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VY003728.D (-437) (-)

Ion 74.00 (73.70 to 74.70): VY003728.D (-437) (-)

4.48

20000

15000

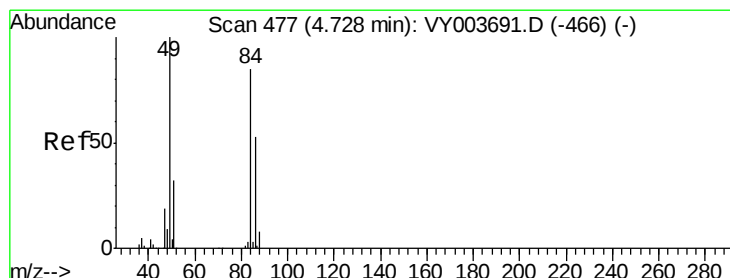
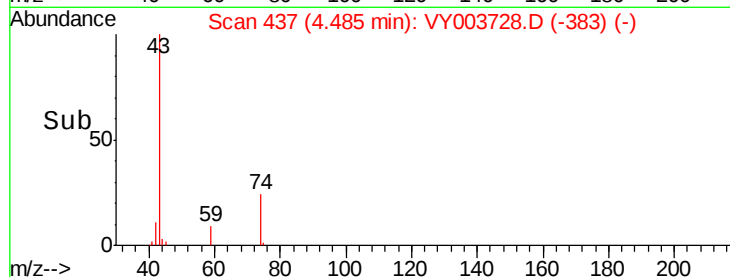
10000

5000

0

4.40 4.50 4.60

Time-->



#16

Methylene chloride

Concen: 22.677 ug/L

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

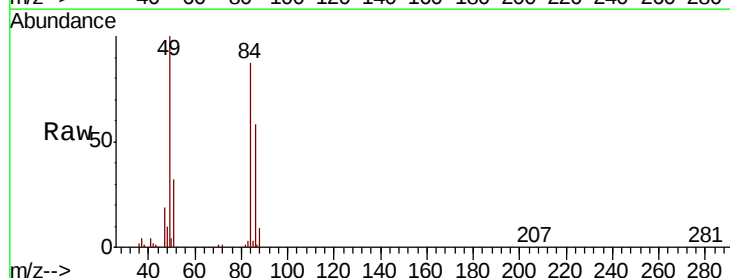
Tgt Ion: 84 Resp: 88919

Ion Ratio Lower Upper

84 100

49 115.1 83.7 155.4

86 66.6 45.0 83.6



Abundance Ion 84.00 (83.70 to 84.70): VY003728.D (-477) (-)

Ion 49.00 (48.70 to 49.70): VY003728.D (-477) (-)

Ion 86.00 (85.70 to 86.70): VY003728.D (-477) (-)

4.73

40000

30000

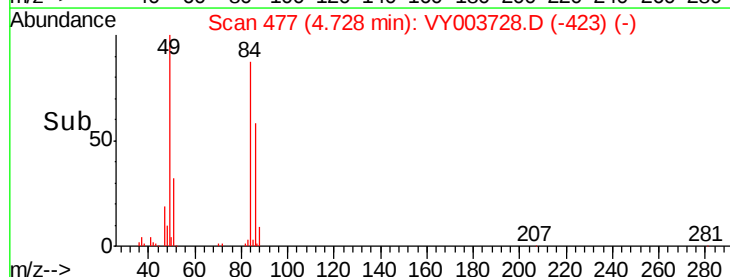
20000

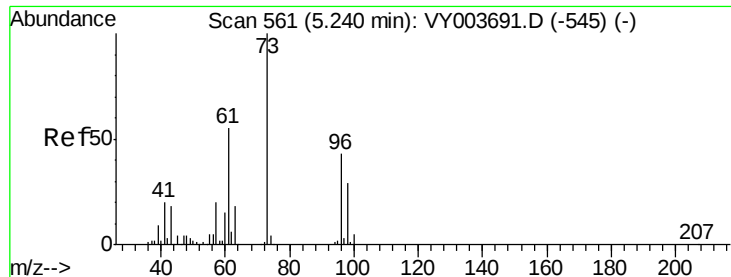
10000

0

4.60 4.70 4.80

Time-->

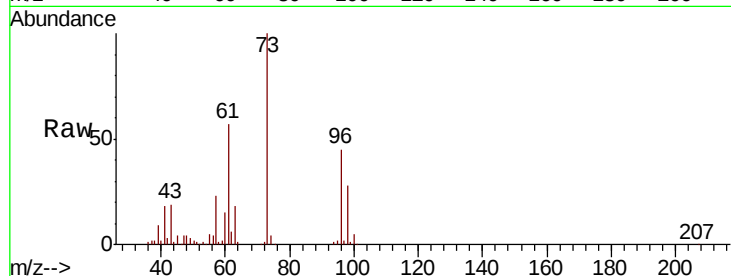




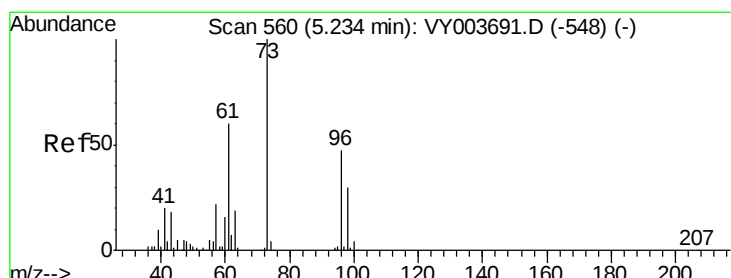
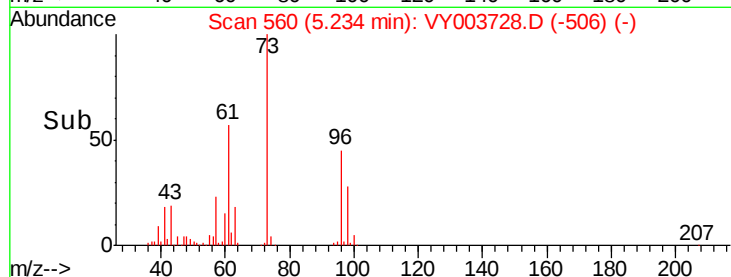
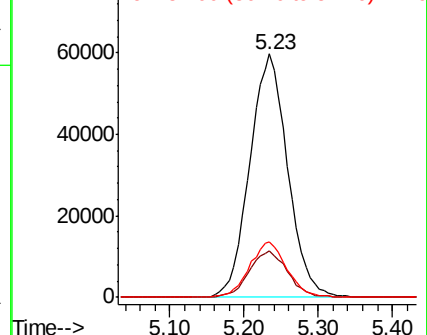
#17
Methvl tert-butvl Ether
Concen: 28.098 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02594

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.3	14.9	22.3
57	22.3	18.1	27.1

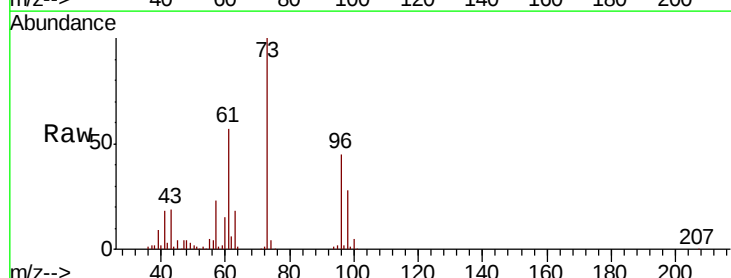


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

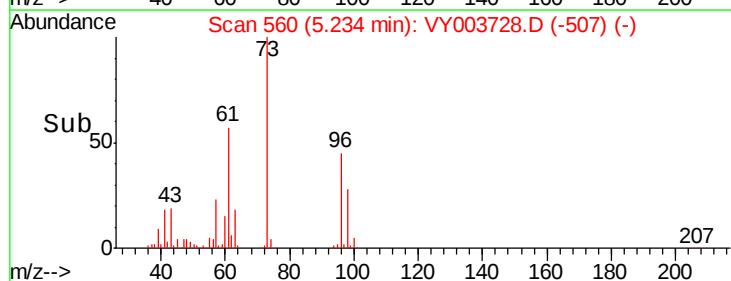
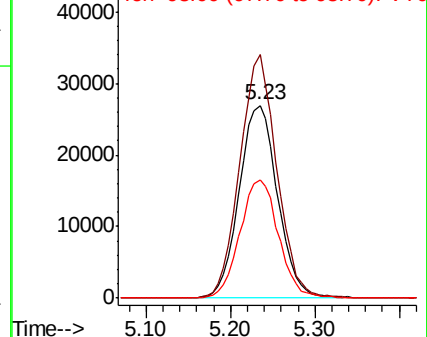


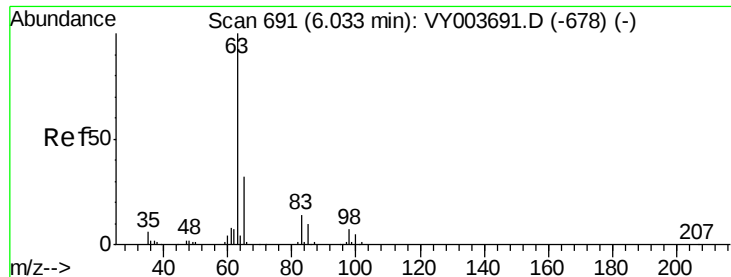
#18
trans-1,2-Dichloroethene
Concen: 27.633 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.01 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.4	90.8	168.6
98	61.1	44.2	82.0



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

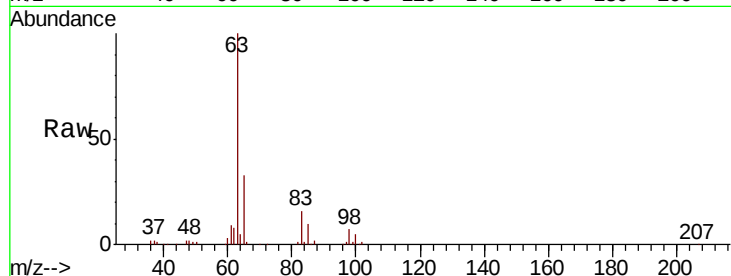




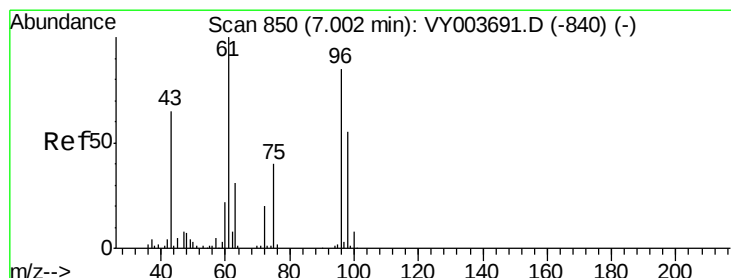
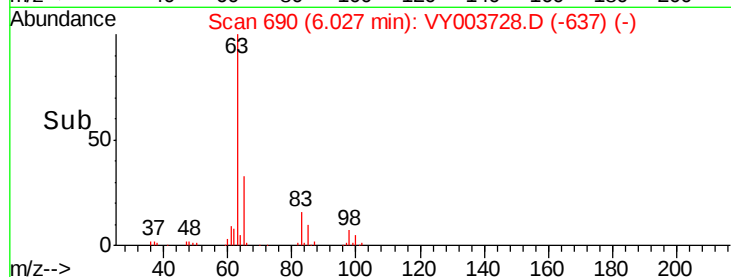
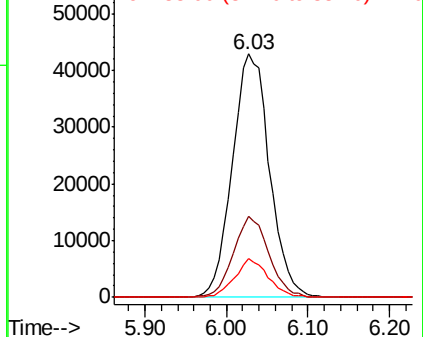
#19
 1,1-Dichloroethane
 Concen: 26.814 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VY003728.D
 Acq: 11 Dec 2020 14:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02594

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.5	22.7	42.1
83	15.8	9.7	17.9

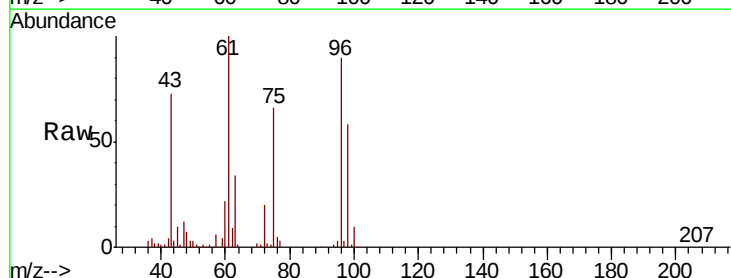


Abundance Ion 63.00 (62.70 to 63.70): VY0
 Ion 65.00 (64.70 to 65.70): VY0
 Ion 83.00 (82.70 to 83.70): VY0

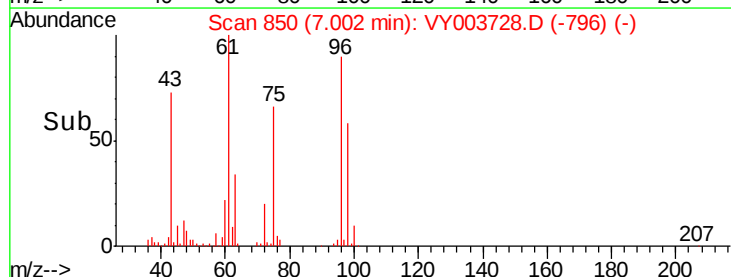
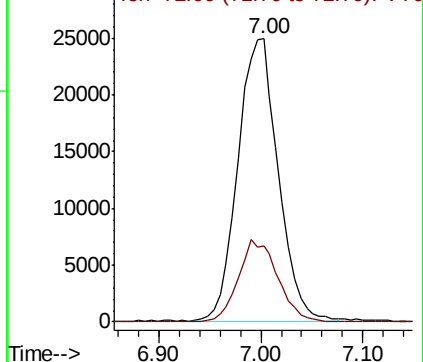


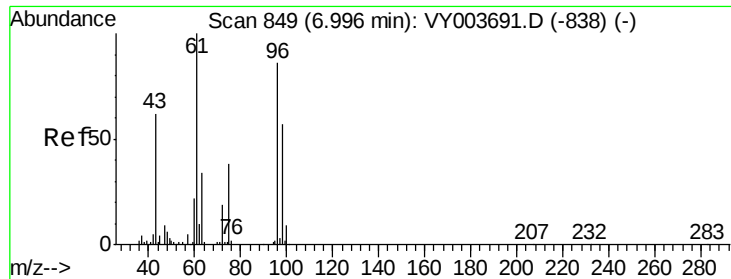
#21
 2-Butanone
 Concen: 47.301 ug/L
 RT: 7.00 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VY003728.D
 Acq: 11 Dec 2020 14:43

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.2	13.3	39.9



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 72.00 (71.70 to 72.70): VY0



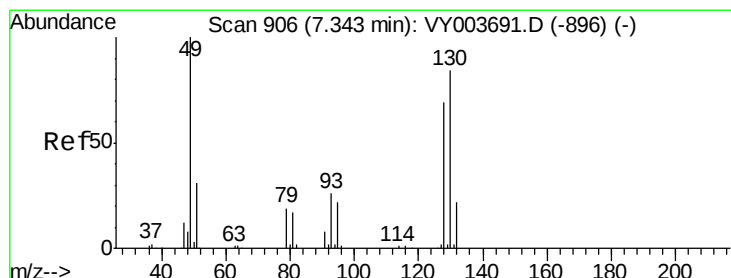
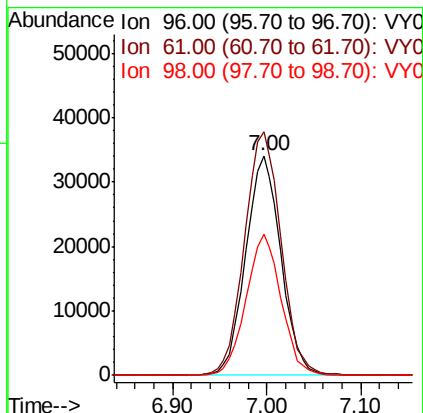
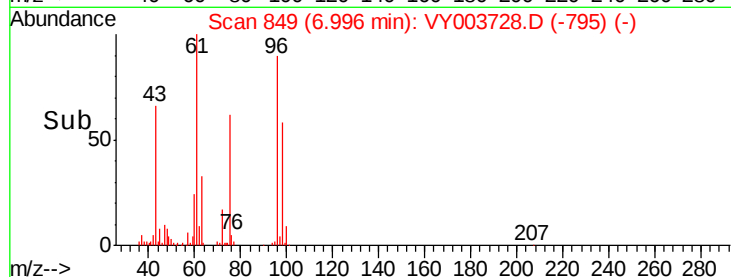
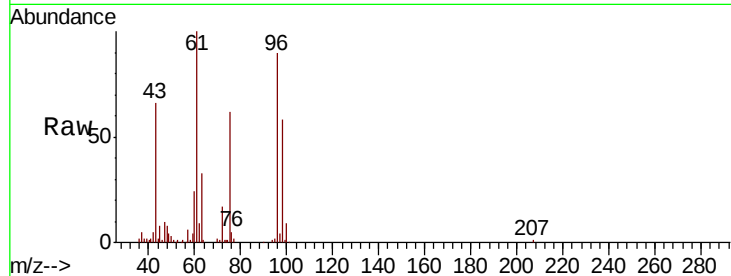


#22

cis-1,2-Dichloroethene
 Concen: 27.911 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003728.D
 Acq: 11 Dec 2020 14:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02594

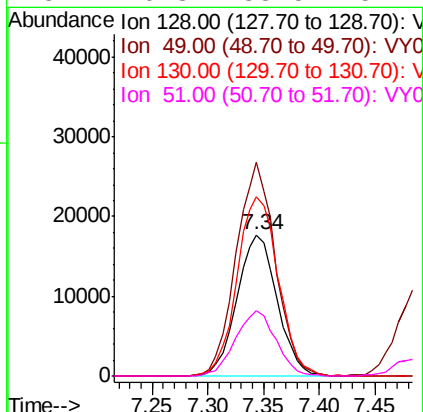
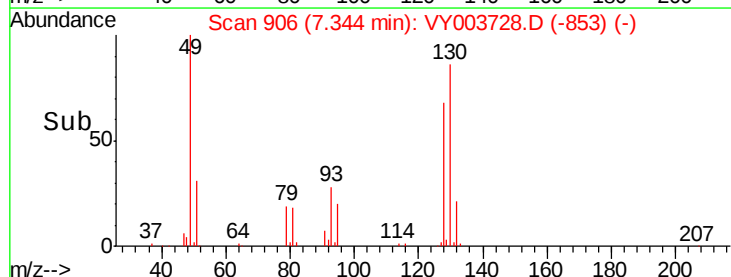
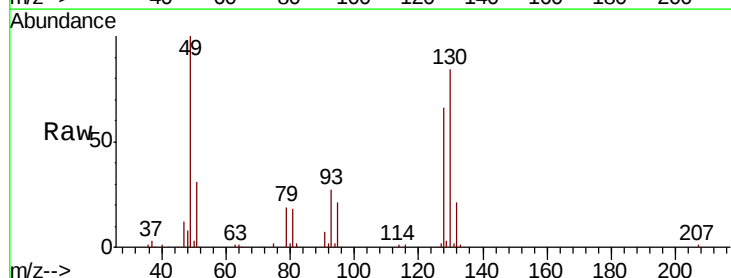
Tot Ion: 96 Resp: 89503
 Ion Ratio Lower Upper
 96 100
 61 110.7 85.8 159.4
 98 64.5 46.5 86.3

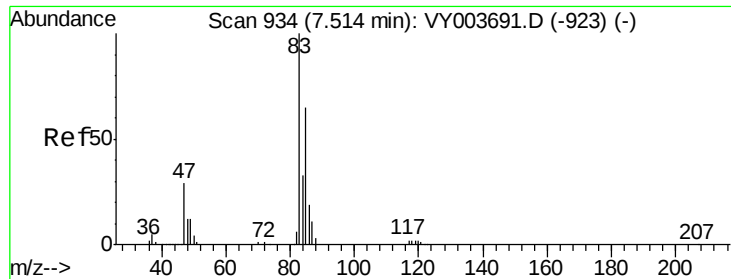


#23

Bromochloromethane
 Concen: 27.593 ug/L
 RT: 7.34 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: VY003728.D
 Acq: 11 Dec 2020 14:43

Tgt Ion: 128 Resp: 44171
 Ion Ratio Lower Upper
 128 100
 49 151.2 113.8 211.3
 130 126.8 89.7 166.5
 51 46.3 38.5 57.7

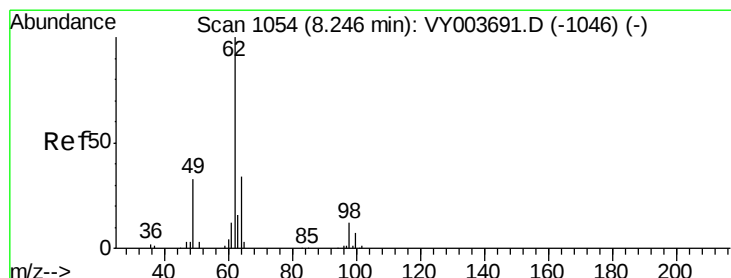
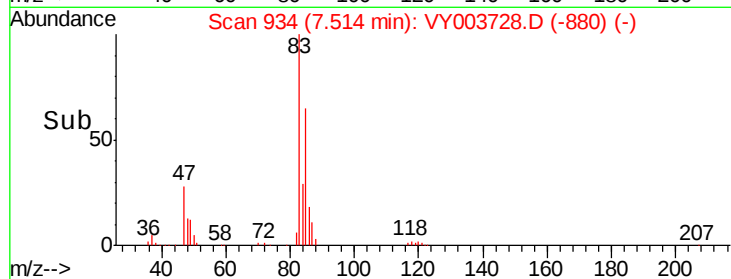
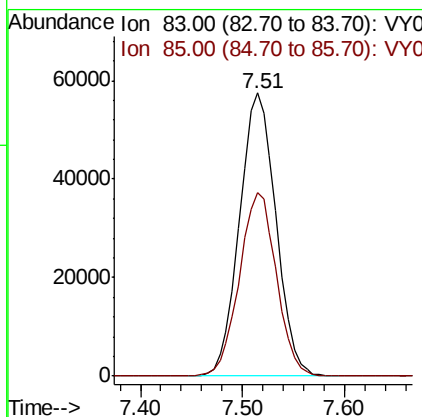
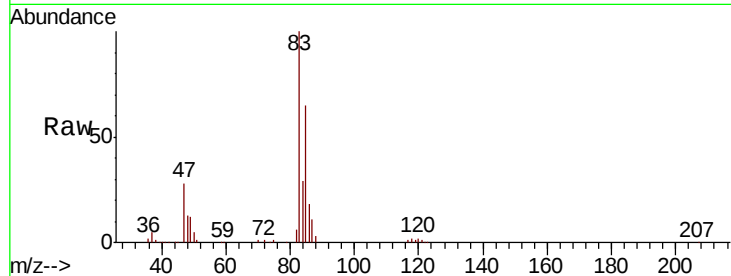




#25
Chloroform
Concen: 27.893 ug/L
RT: 7.51 min Scan# 934
Delta R.T. 0.00 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

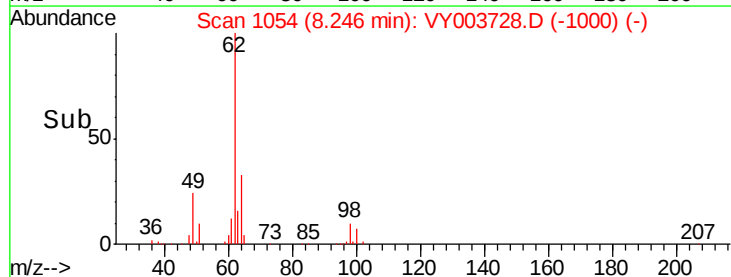
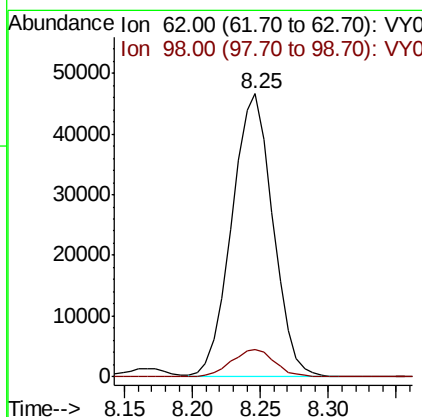
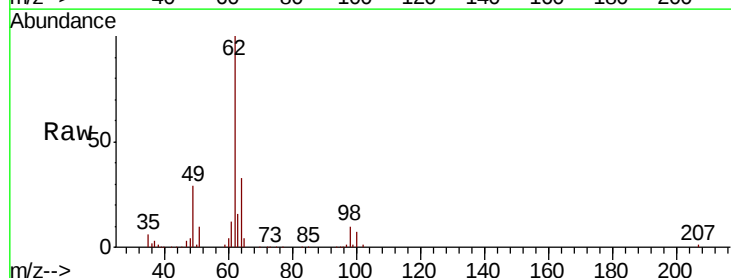
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02594

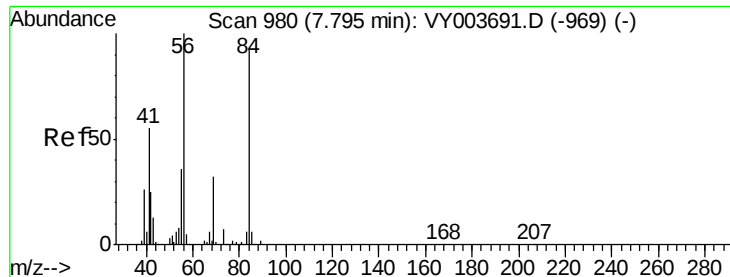
Tot Ion: 83 Resp: 142637
Ion Ratio Lower Upper
83 100
85 66.1 46.5 86.5



#27
1,2-Dichloroethane
Concen: 28.292 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

Tgt Ion: 62 Resp: 97862
Ion Ratio Lower Upper
62 100
98 9.5 8.0 12.0

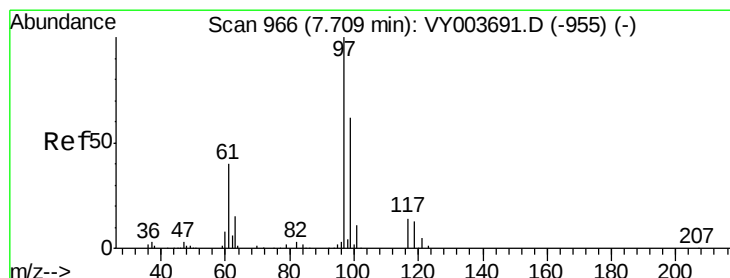
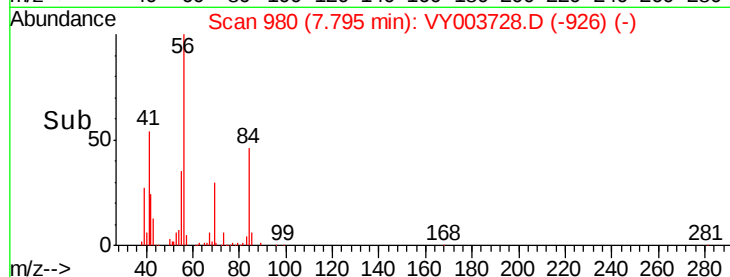
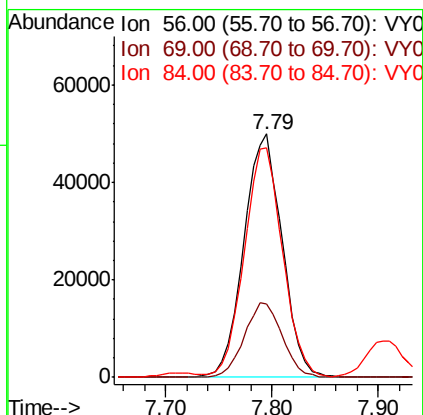
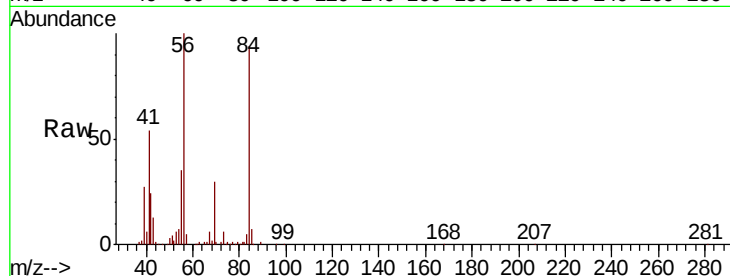




#30
Cyclohexane
Concen: 27.431 ug/L
RT: 7.79 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

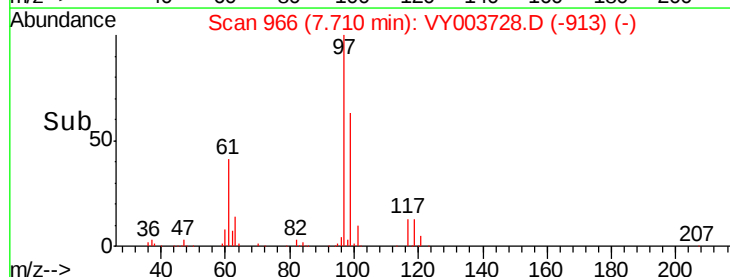
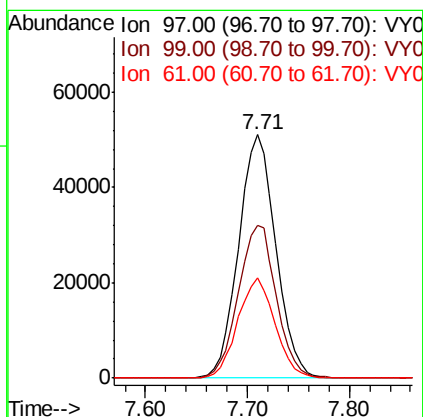
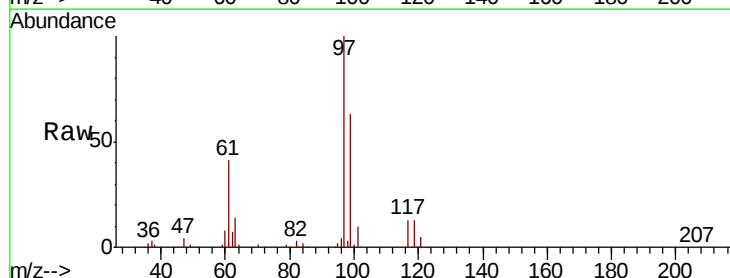
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02594

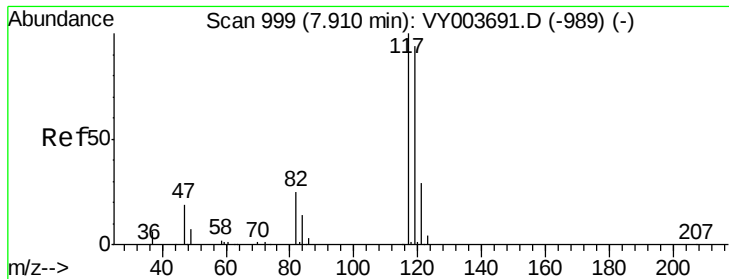
Tot Ion: 56 Resp: 126080
Ion Ratio Lower Upper
56 100
69 30.3 23.8 35.8
84 94.7 73.2 109.8



#31
1,1,1-Trichloroethane
Concen: 28.433 ug/L
RT: 7.71 min Scan# 966
Delta R.T. -0.01 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

Tgt Ion: 97 Resp: 129303
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.0
61 41.2 34.0 51.0



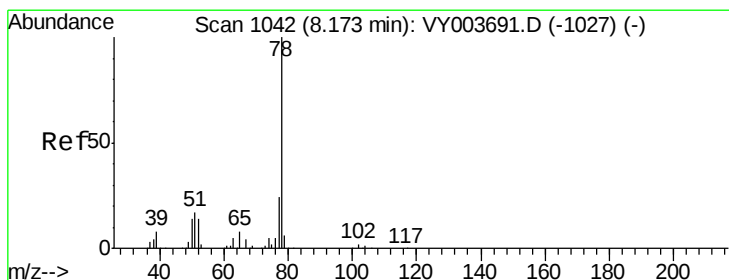
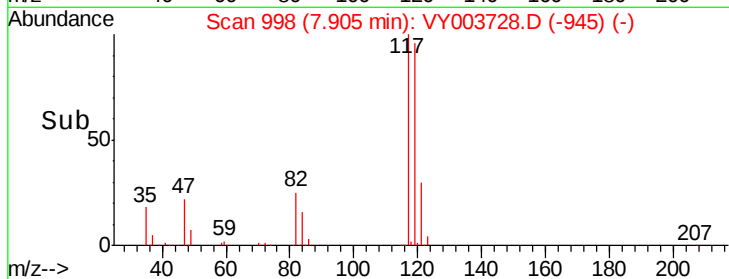
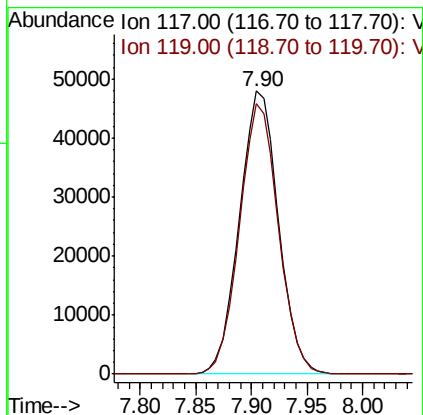
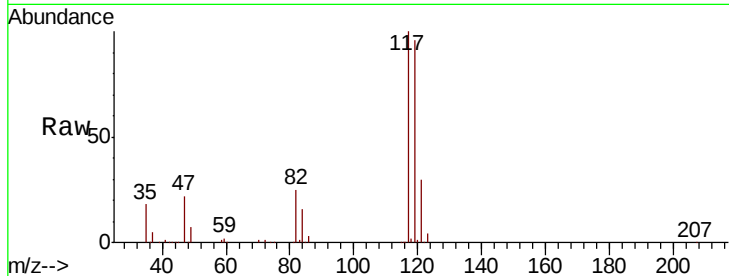


#32

Carbon tetrachloride
Concen: 28.932 ug/L
RT: 7.90 min Scan# 998
Delta R.T. -0.01 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

Instrument :
MSVOA_Y
ClientSampled :
VSTD02594

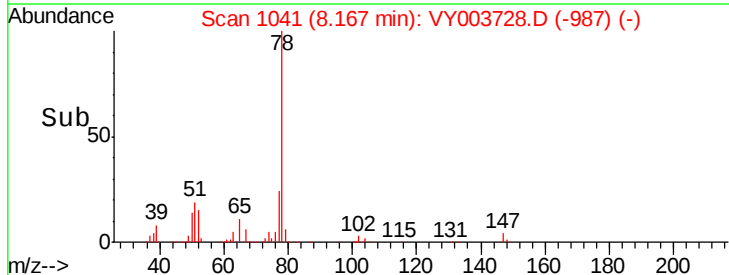
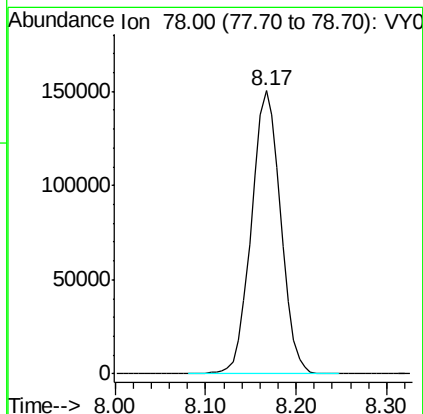
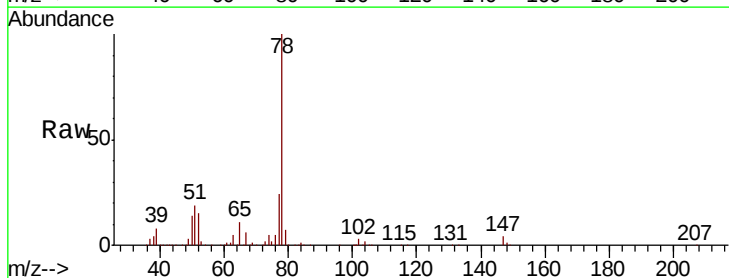
Tot Ion:117 Resp: 116797
Ion Ratio Lower Upper
117 100
119 95.5 75.4 113.0

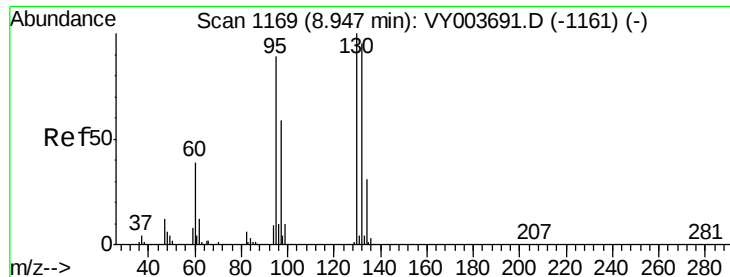


#34

Benzene
Concen: 27.472 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

Tgt Ion: 78 Resp: 335274





#35

Trichloroethene

Concen: 26.477 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02594

Tot Ion: 95 Resp: 88716

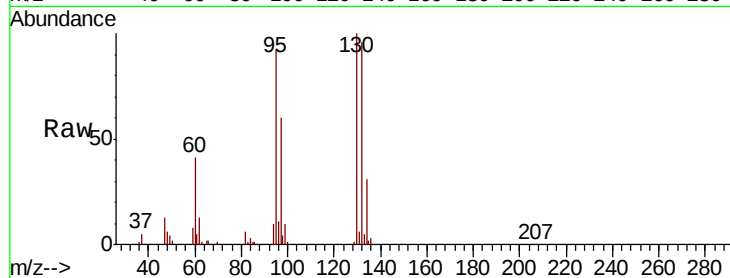
Ion Ratio Lower Upper

95 100

97 64.2 45.8 85.0

132 105.5 74.2 137.8

130 110.2 76.2 141.6

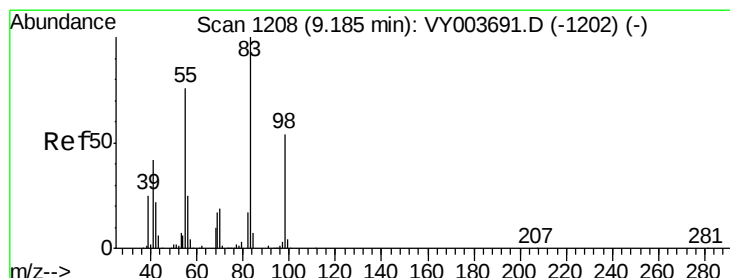
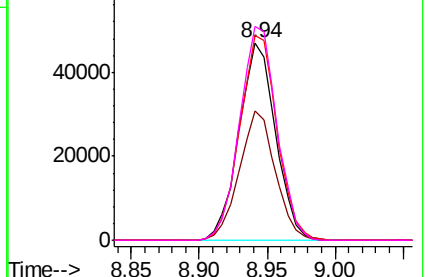
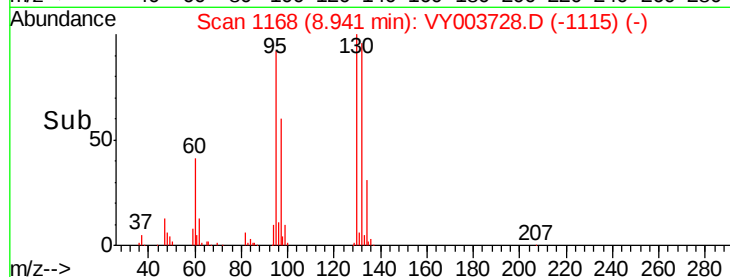


Abundance Ion 95.00 (94.70 to 95.70): VY003728.D (-1161) (-)

Ion 97.00 (96.70 to 97.70): VY003728.D (-1161) (-)

Ion 132.00 (131.70 to 132.70): VY003728.D (-1161) (-)

Ion 130.00 (129.70 to 130.70): VY003728.D (-1161) (-)



#36

Methylcyclohexane

Concen: 27.685 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

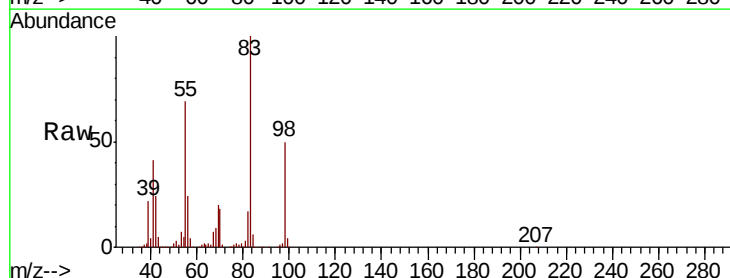
Tgt Ion: 83 Resp: 142160

Ion Ratio Lower Upper

83 100

55 71.6 56.4 84.6

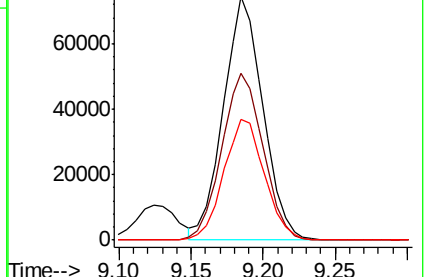
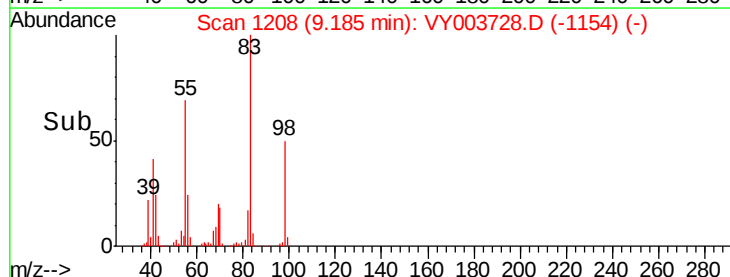
98 51.6 40.3 60.5

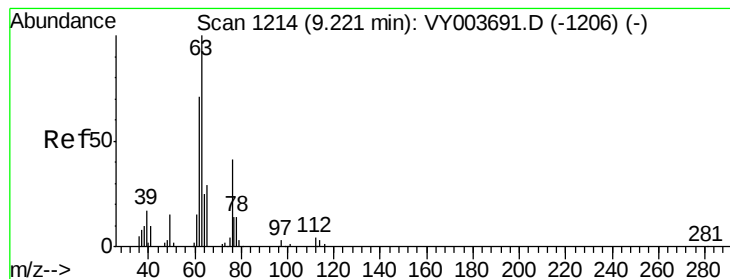


Abundance Ion 83.00 (82.70 to 83.70): VY003728.D (-1154) (-)

Ion 55.00 (54.70 to 55.70): VY003728.D (-1154) (-)

Ion 98.00 (97.70 to 98.70): VY003728.D (-1154) (-)





#40

1,2-Dichloropropane

Concen: 27.021 ug/L

RT: 9.22 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

Instrument :

MSVOA_Y

ClientSampleId :

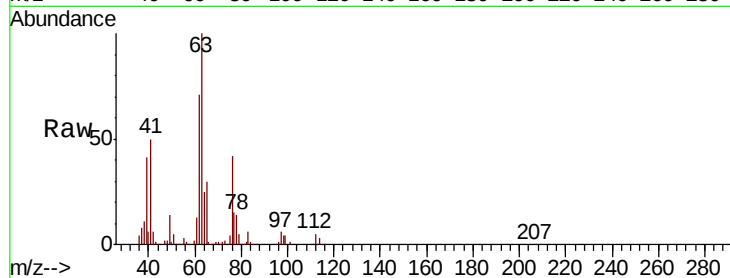
VSTD02594

Tot Ion: 63 Resp: 82707

Ion Ratio Lower Upper

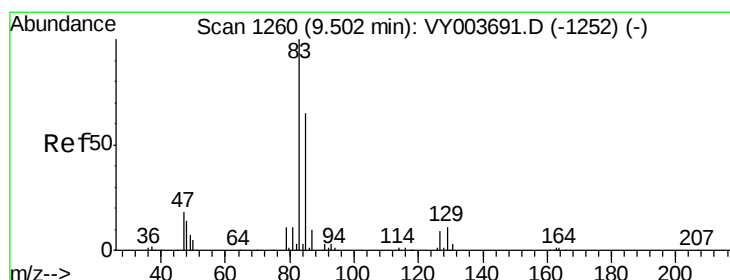
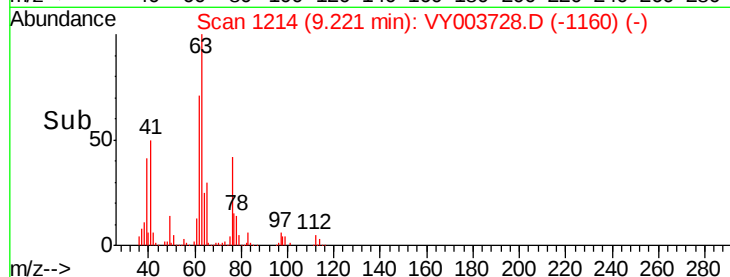
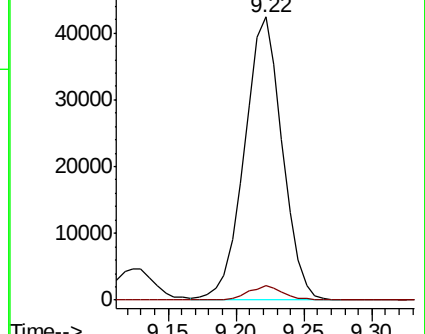
63 100

112 4.6 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 28.221 ug/L

RT: 9.50 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

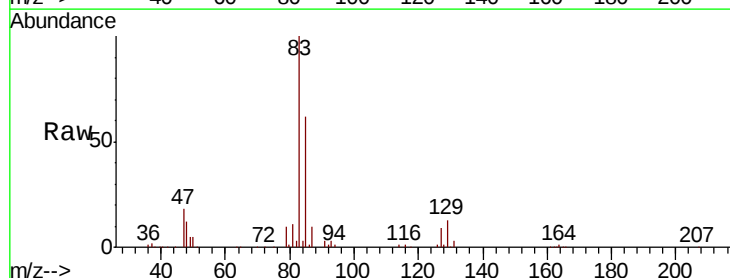
Tgt Ion: 83 Resp: 109752

Ion Ratio Lower Upper

83 100

85 62.1 44.0 81.6

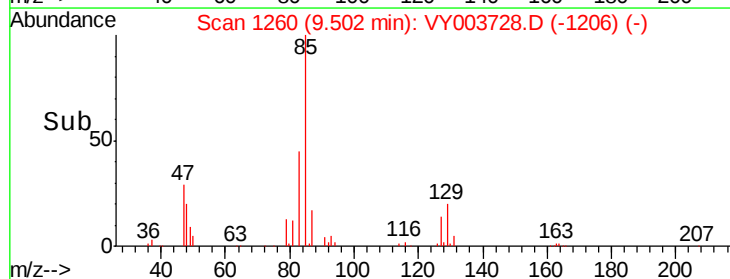
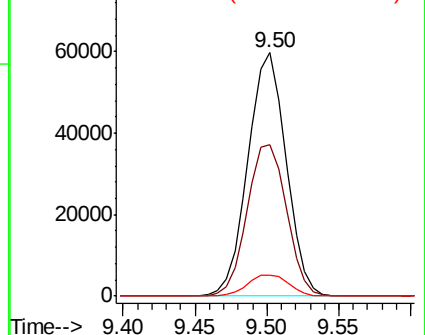
127 8.7 7.2 10.8

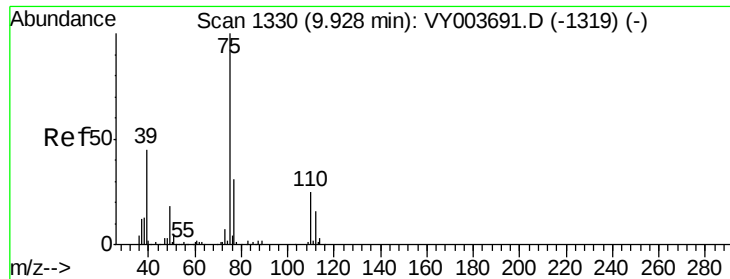


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V

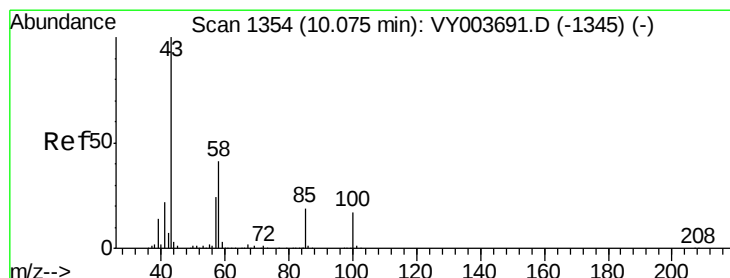
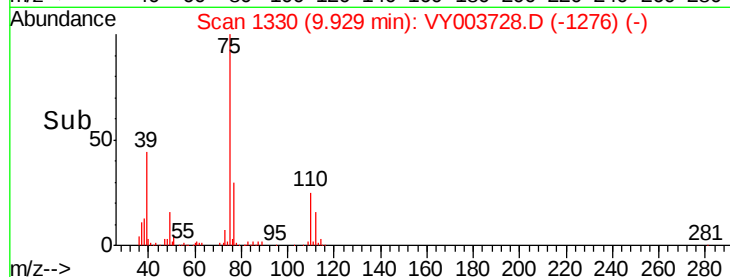
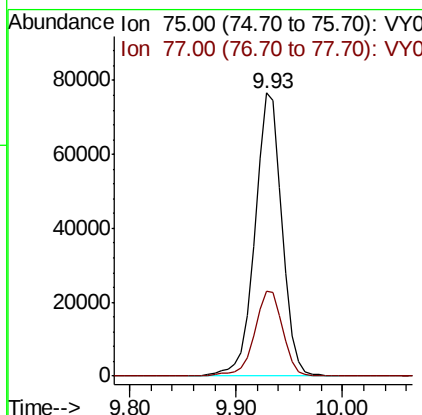
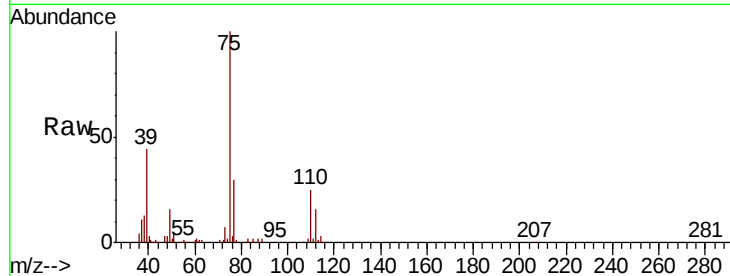




#42
 cis-1,3-Dichloropropene
 Concen: 28.335 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003728.D
 Acq: 11 Dec 2020 14:43

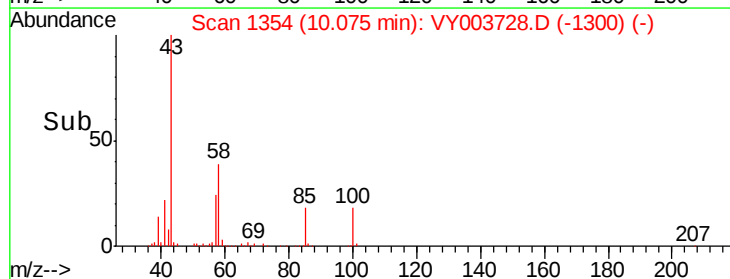
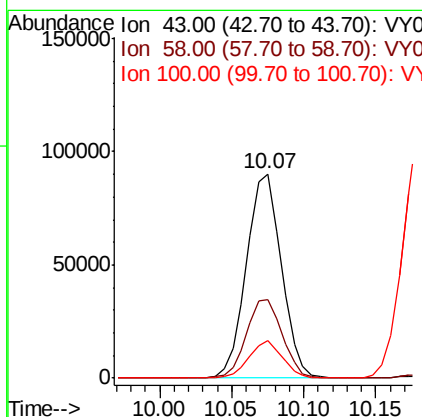
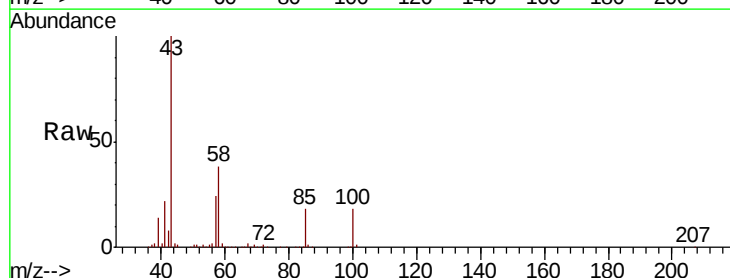
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02594

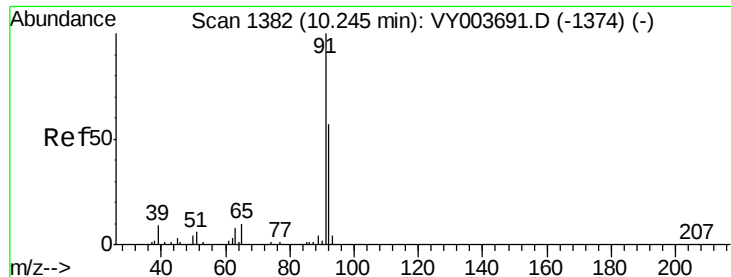
Tot Ion: 75 Resp: 136514
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.3 39.6



#43
 4-Methyl-2-pentanone
 Concen: 52.677 ug/L
 RT: 10.07 min Scan# 1354
 Delta R.T. 0.00 min
 Lab File: VY003728.D
 Acq: 11 Dec 2020 14:43

Tgt Ion: 43 Resp: 151454
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.5 47.3
 100 17.4 12.7 19.1





#44

Toluene

Concen: 28.342 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

Instrument :

MSVOA_Y

ClientSampleId :

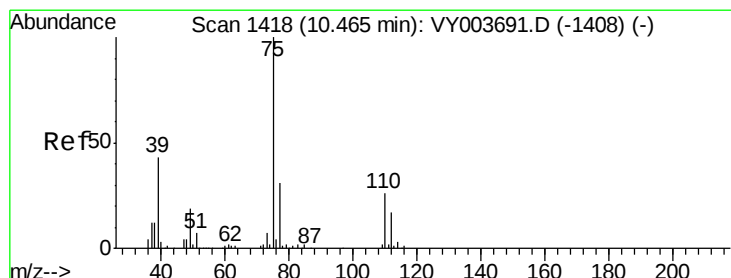
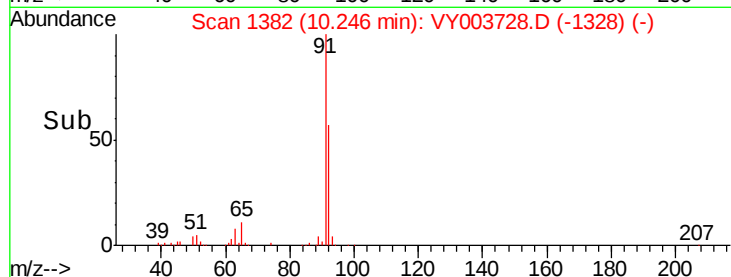
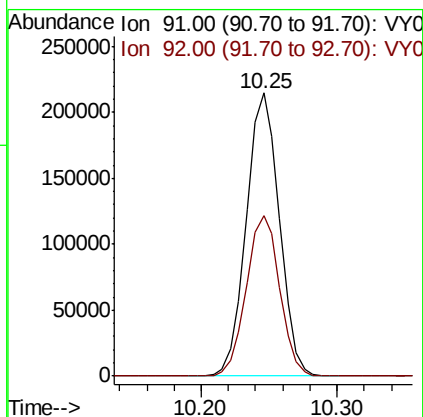
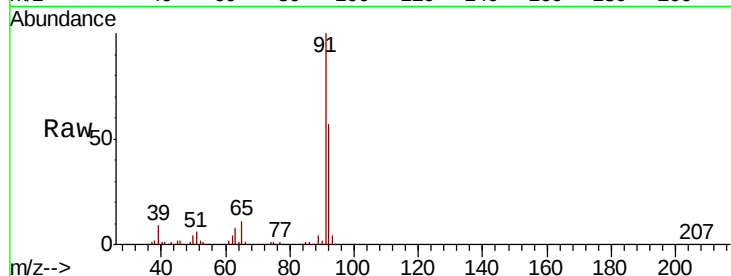
VSTD02594

Tot Ion: 91 Resp: 364872

Ion Ratio Lower Upper

91 100

92 56.9 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 28.764 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VY003728.D

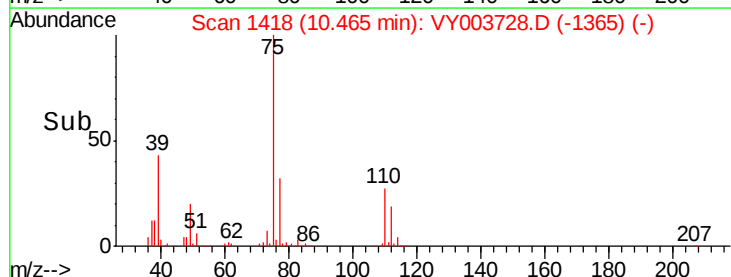
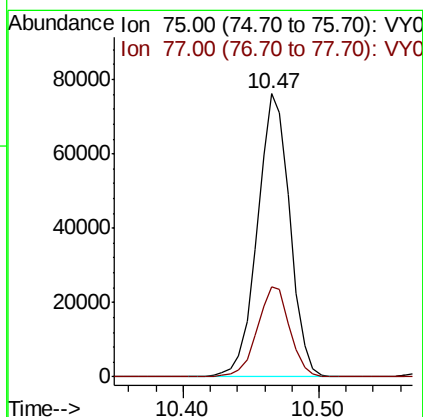
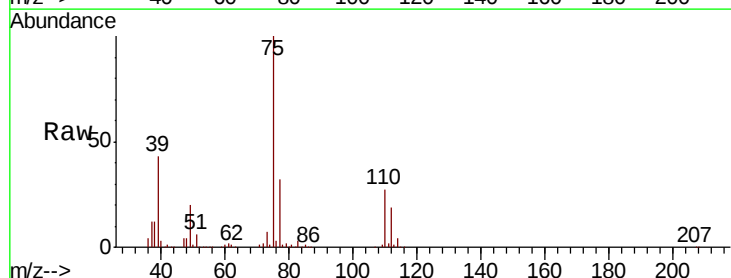
Acq: 11 Dec 2020 14:43

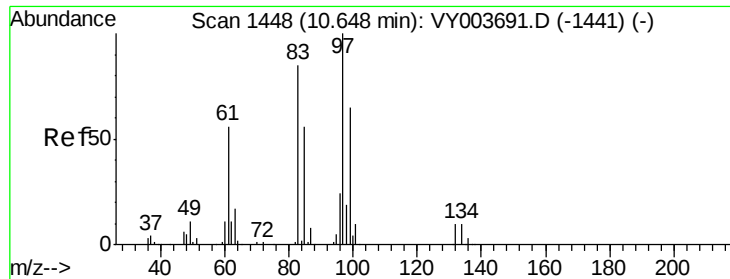
Tgt Ion: 75 Resp: 127734

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8



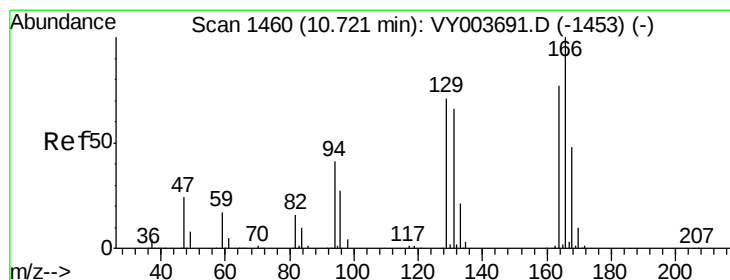
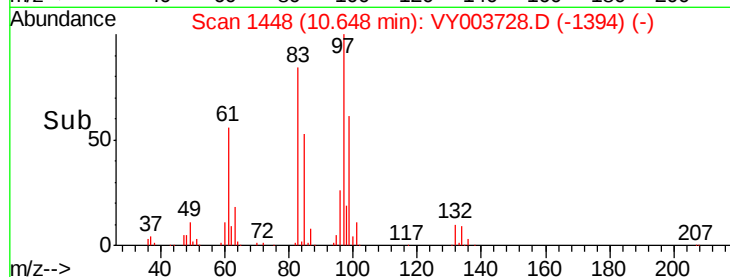
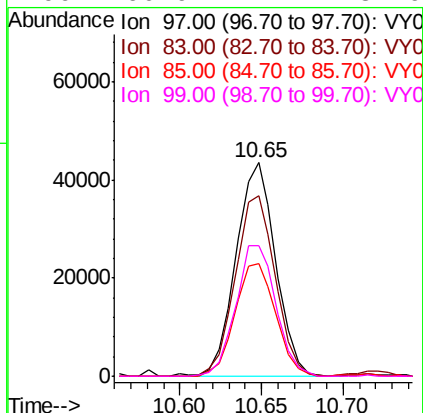
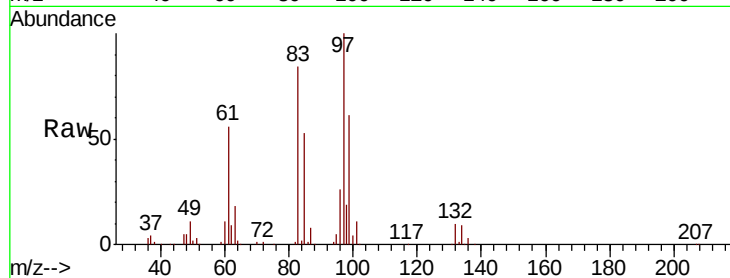


#46
1,1,2-Trichloroethane
Concen: 27.781 ug/L
RT: 10.65 min Scan# 1448
Delta R.T. 0.00 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02594

Tot Ion: 97 Resp: 73313

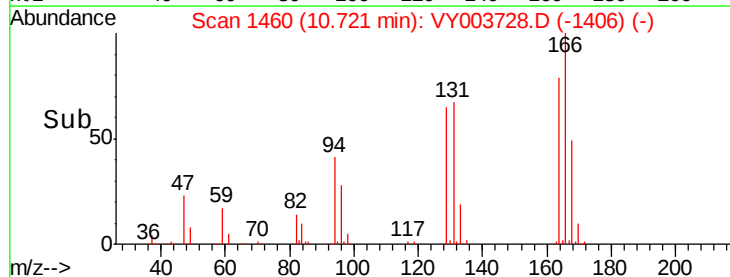
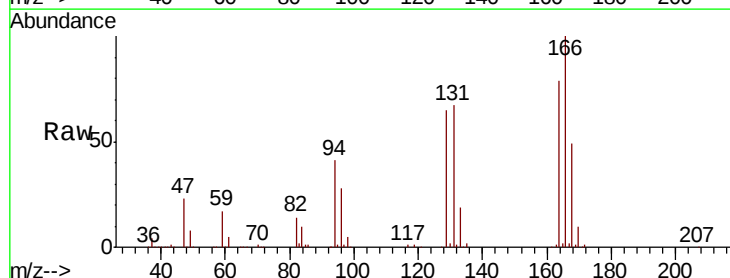
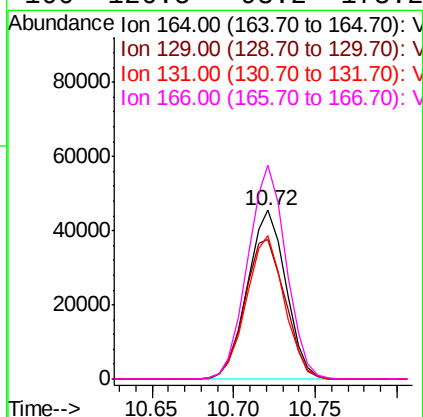
Ion	Ratio	Lower	Upper
97	100		
83	84.5	59.6	110.8
85	52.7	40.2	74.6
99	60.9	44.7	82.9

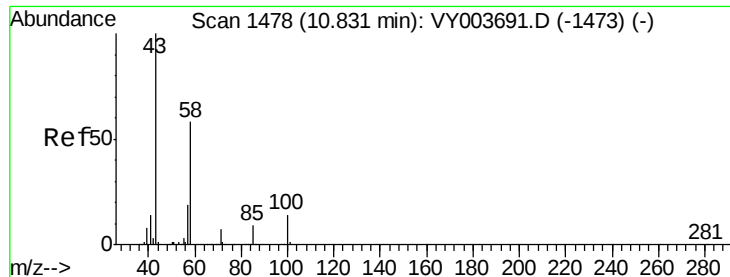


#47
Tetrachloroethene
Concen: 28.716 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. 0.00 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

Tgt Ion: 164 Resp: 74933

Ion	Ratio	Lower	Upper
164	100		
129	82.4	59.6	110.6
131	84.7	57.9	107.5
166	126.5	93.2	173.2

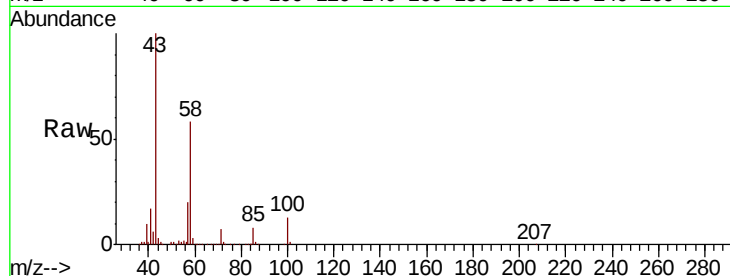




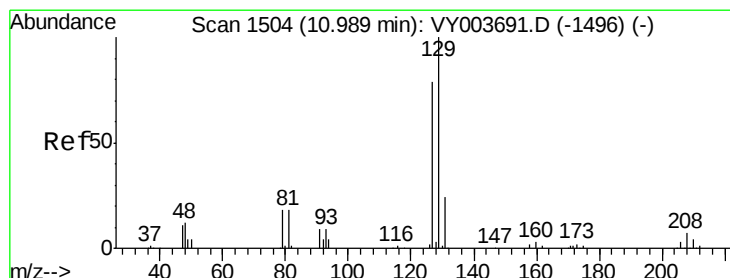
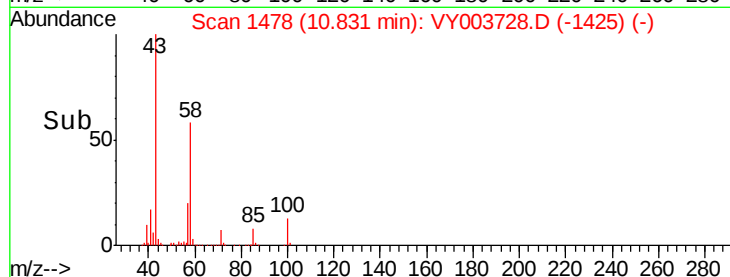
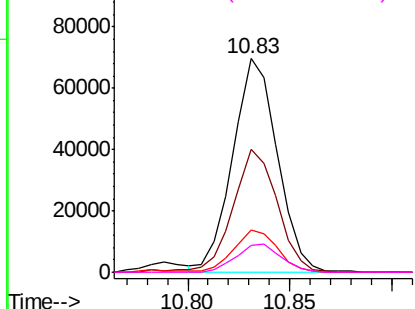
#49
2-Hexanone
Concen: 52.513 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02594

Tot Ion: 43 Resp: 106108
Ion Ratio Lower Upper
43 100
58 56.7 44.8 67.2
57 19.2 14.8 22.2
100 13.4 9.9 14.9

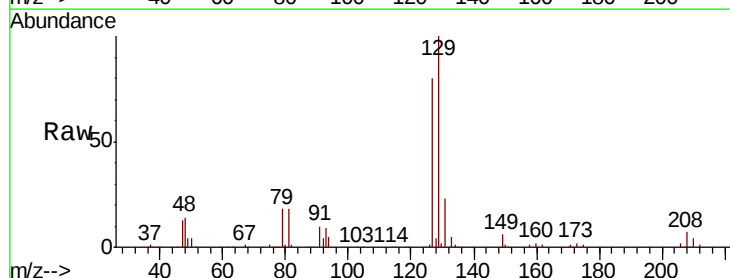


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0
Ion 57.00 (56.70 to 57.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

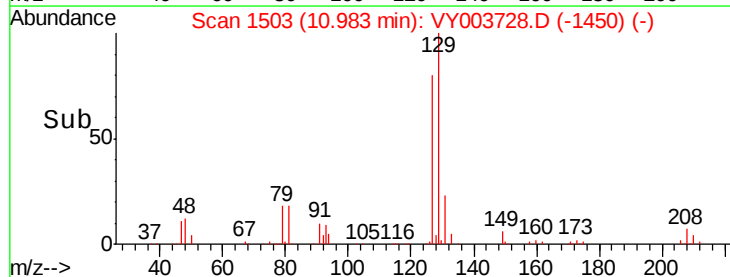
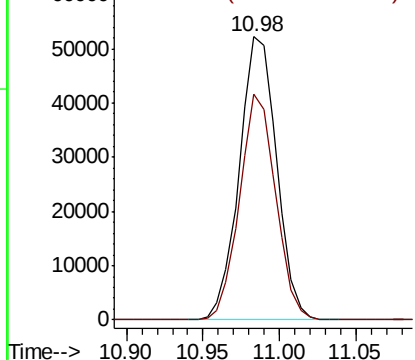


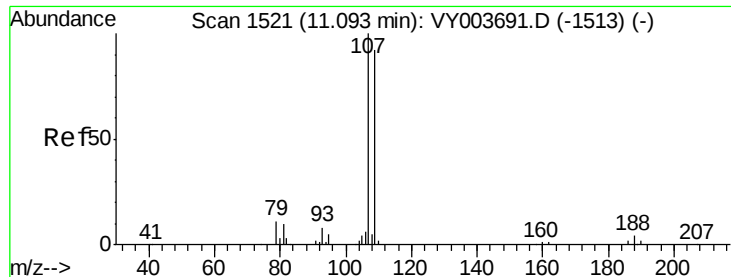
#50
Dibromochloromethane
Concen: 28.695 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.01 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

Tgt Ion: 129 Resp: 88622
Ion Ratio Lower Upper
129 100
127 79.6 54.8 101.8



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





#51

1,2-Dibromoethane

Concen: 27.930 ug/L

RT: 11.09 min Scan# 1520

Delta R.T. -0.01 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

Instrument :

MSVOA_Y

ClientSampled :

VSTD02594

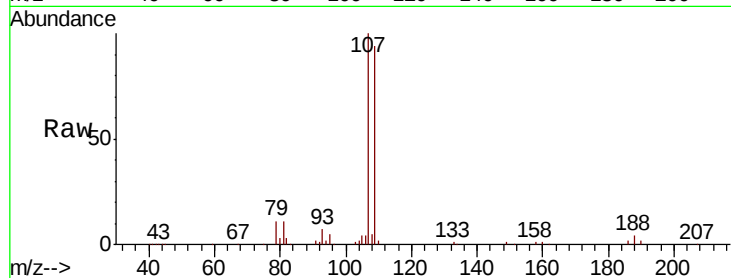
Tot Ion:107 Resp: 71321

Ion Ratio Lower Upper

107 100

109 93.9 65.2 121.0

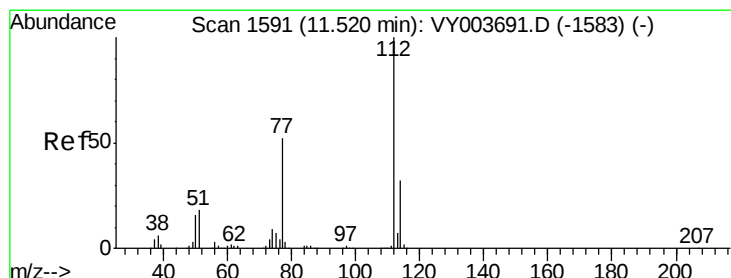
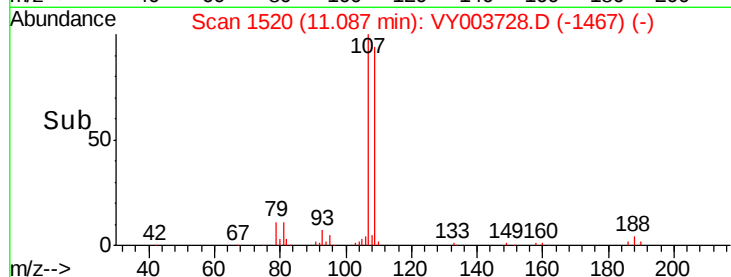
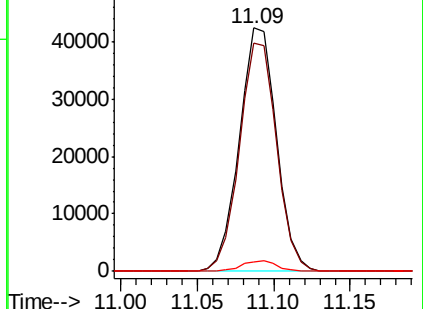
188 4.0 3.0 4.6



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



#52

Chlorobenzene

Concen: 28.325 ug/L

RT: 11.51 min Scan# 1590

Delta R.T. -0.01 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

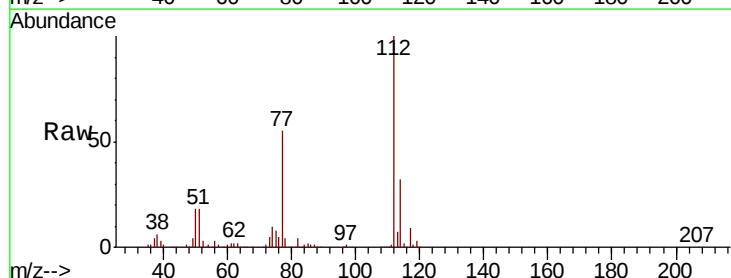
Tgt Ion:112 Resp: 239983

Ion Ratio Lower Upper

112 100

77 55.2 44.4 66.6

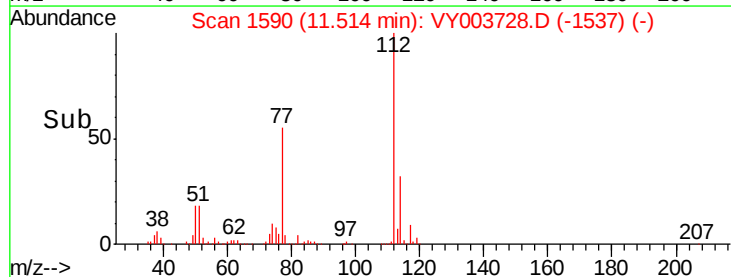
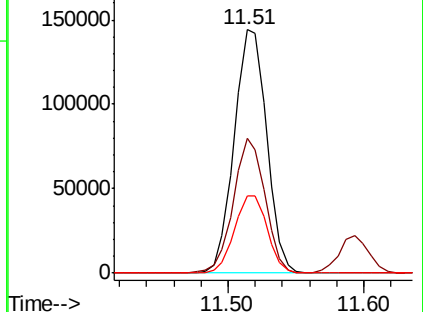
114 31.7 22.4 41.6

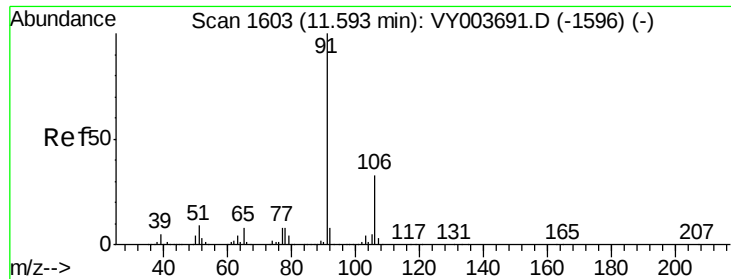


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 114.00 (113.70 to 114.70): V

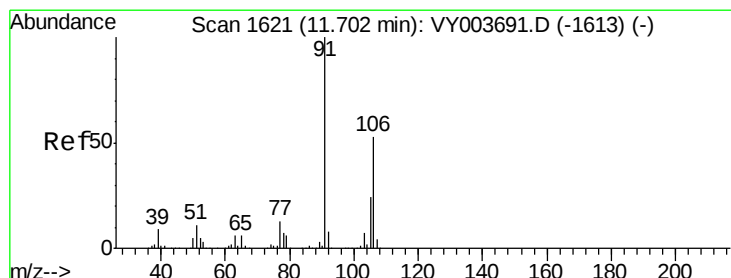
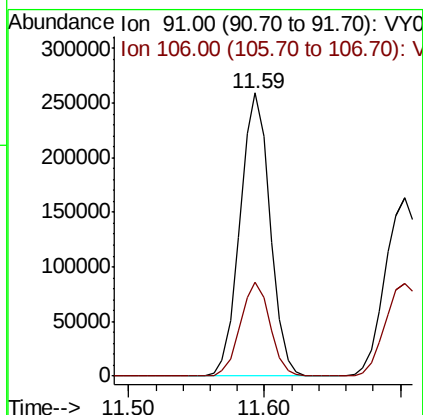
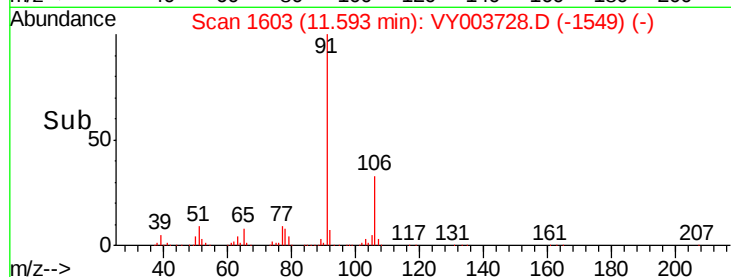
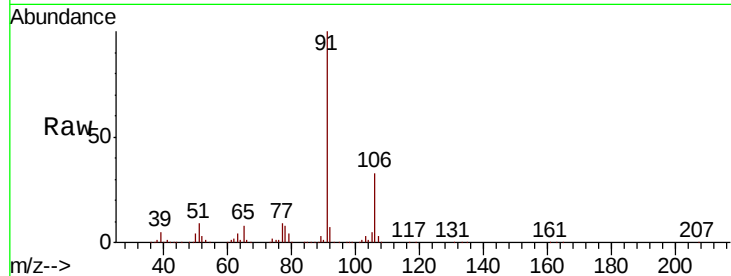




#53
Ethylbenzene
Concen: 28.387 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

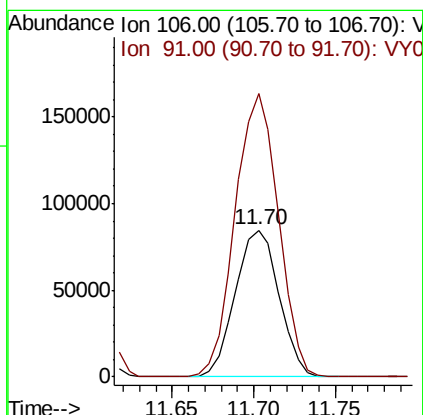
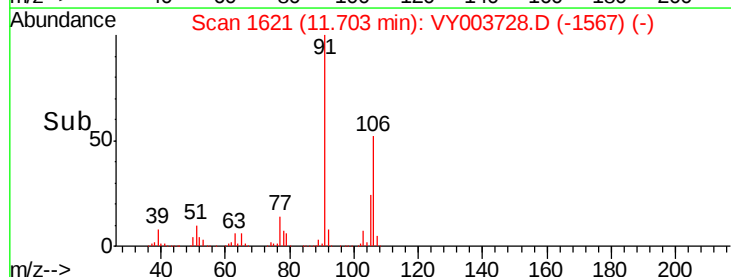
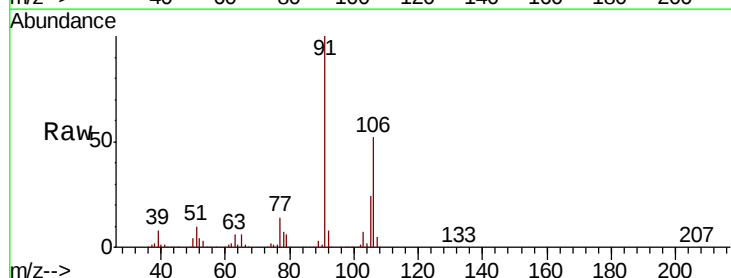
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02594

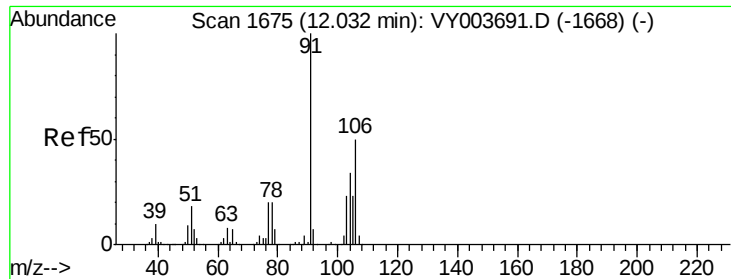
Tot Ion: 91 Resp: 398838
Ion Ratio Lower Upper
91 100
106 33.3 23.3 43.3



#54
m,p-Xylene
Concen: 29.138 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

Tgt Ion: 106 Resp: 157931
Ion Ratio Lower Upper
106 100
91 193.1 131.3 243.9

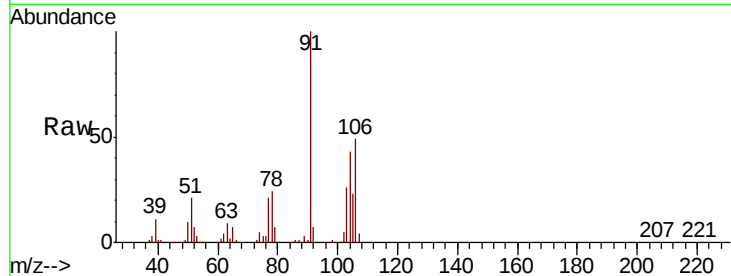




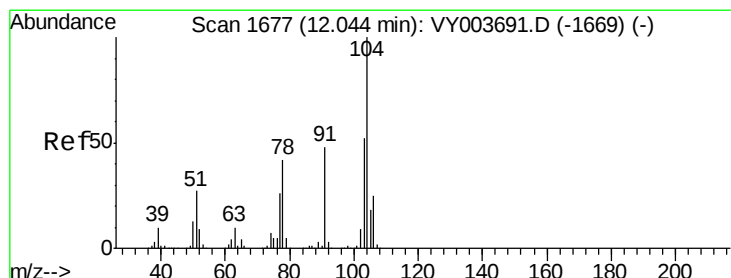
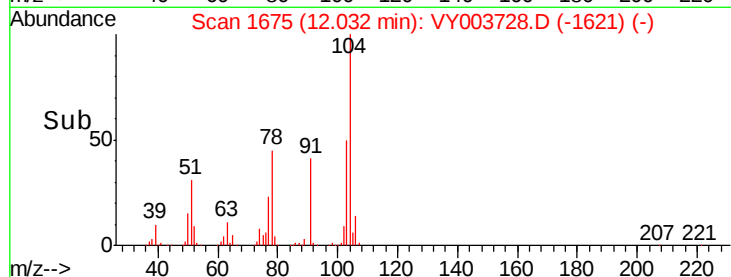
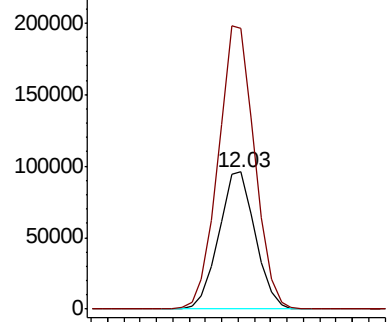
#55
o-xylene
Concen: 28.780 ug/L
RT: 12.03 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

Instrument :
MSVOA_Y
ClientSampled :
VSTD02594

Tot Ion:106 Resp: 149655
Ion Ratio Lower Upper
106 100
91 205.4 141.7 263.3

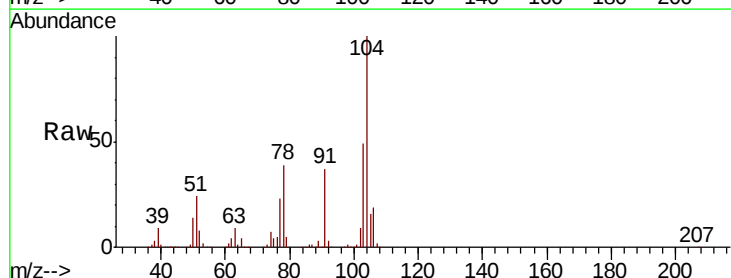


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

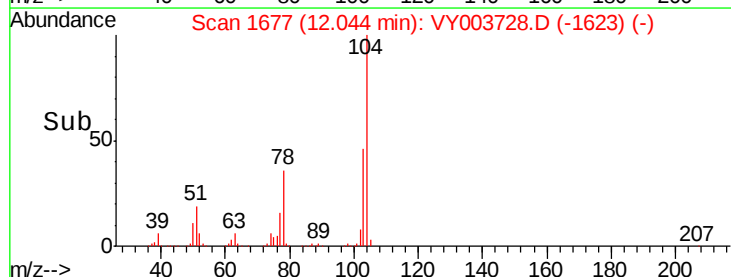
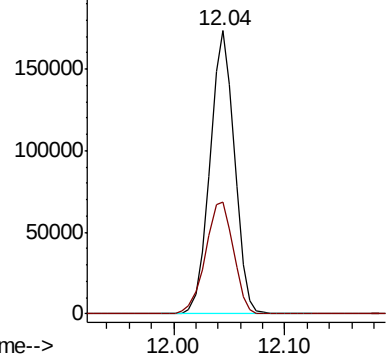


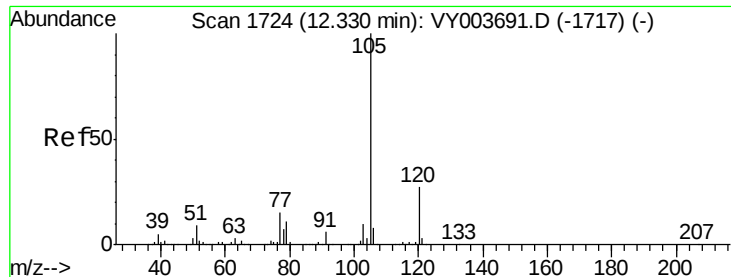
#56
Styrene
Concen: 29.670 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VY003728.D
Acq: 11 Dec 2020 14:43

Tgt Ion:104 Resp: 264053
Ion Ratio Lower Upper
104 100
78 39.4 28.1 52.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 29.342 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02594

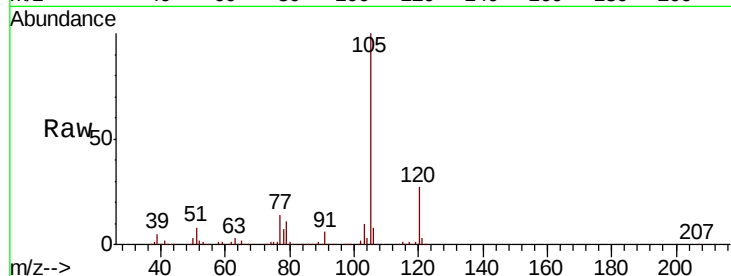
Tot Ion:105 Resp: 398913

Ion Ratio Lower Upper

105 100

120 27.8 22.3 33.5

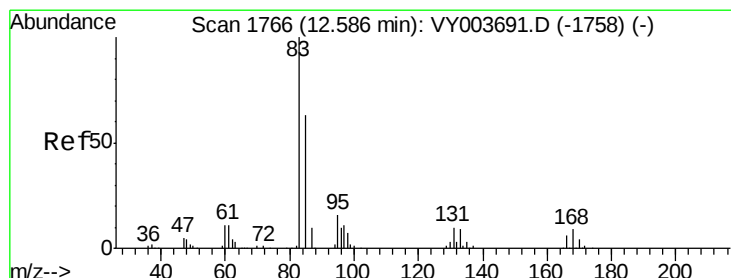
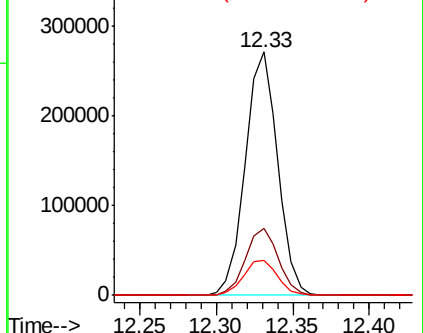
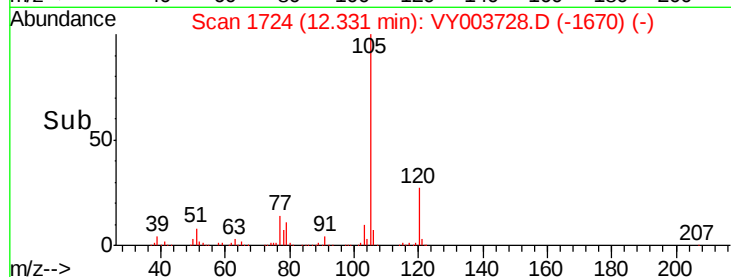
77 15.0 11.9 17.9



Abundance Ion 105.00 (104.70 to 105.70): VY003728.D (-1670) (-)

Ion 120.00 (119.70 to 120.70): VY003728.D (-1670) (-)

Ion 77.00 (76.70 to 77.70): VY003728.D (-1670) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 30.035 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

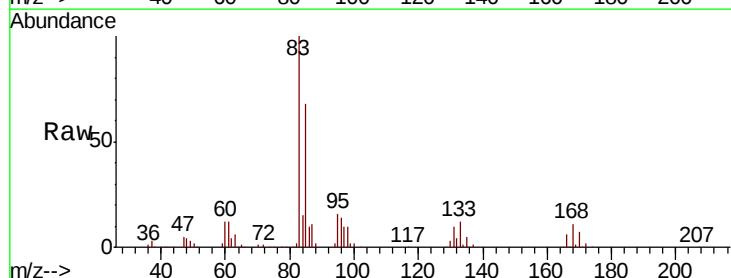
Tgt Ion: 83 Resp: 84979

Ion Ratio Lower Upper

83 100

85 67.6 47.2 87.6

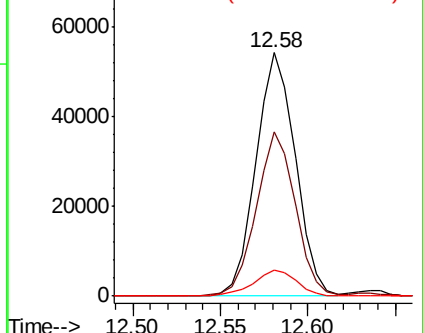
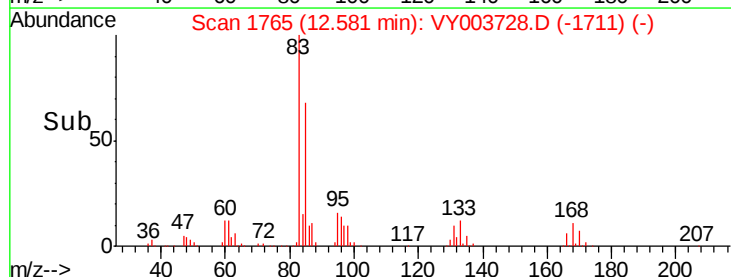
131 10.5 8.4 12.6

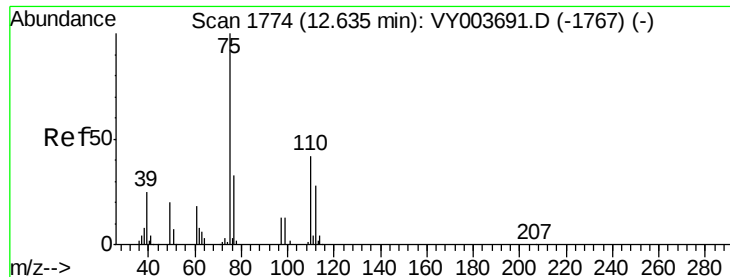


Abundance Ion 83.00 (82.70 to 83.70): VY003728.D (-1711) (-)

Ion 85.00 (84.70 to 85.70): VY003728.D (-1711) (-)

Ion 131.00 (130.70 to 131.70): VY003728.D (-1711) (-)





#59

1,2,3-Trichloropropane

Concen: 27.889 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

Instrument :

MSVOA_Y

ClientSampleId :

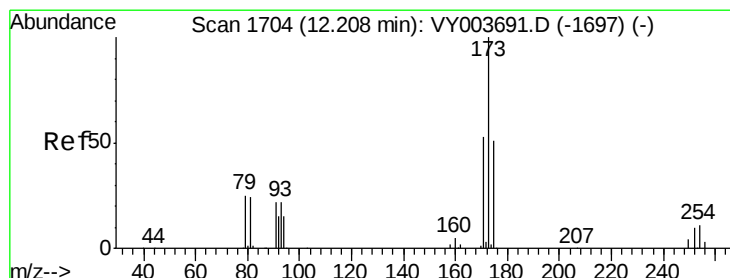
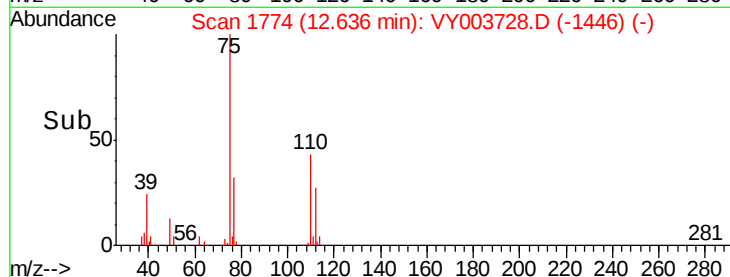
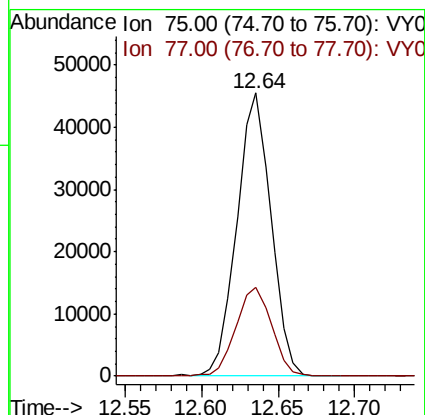
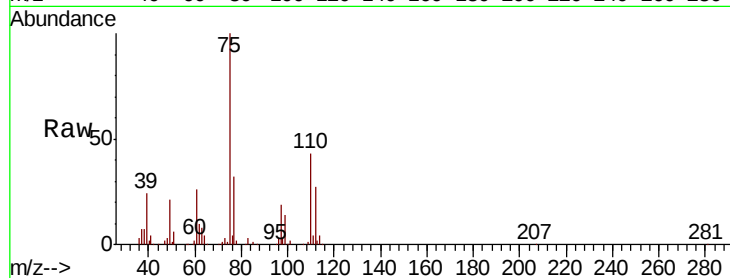
VSTD02594

Tot Ion: 75 Resp: 70547

Ion Ratio Lower Upper

75 100

77 32.9 25.9 38.9



#62

Bromoform

Concen: 27.735 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

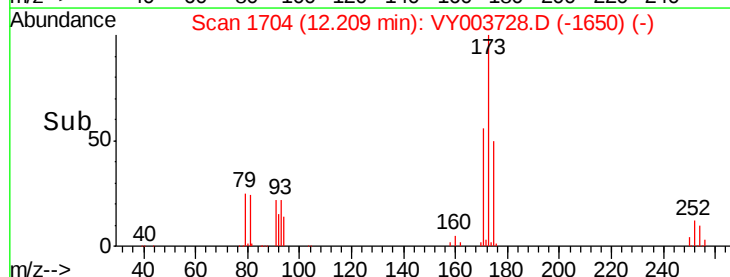
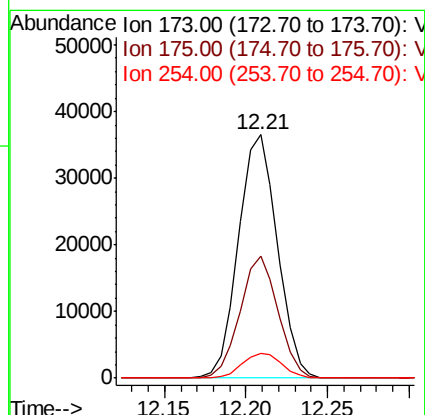
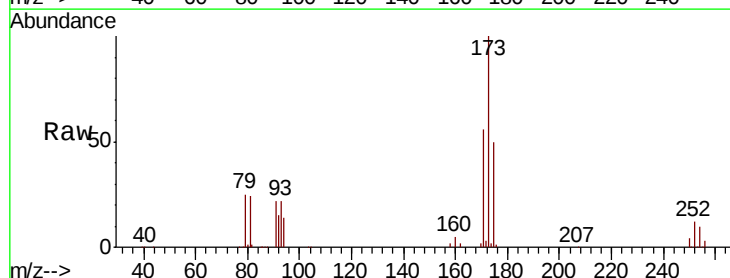
Tgt Ion: 173 Resp: 60680

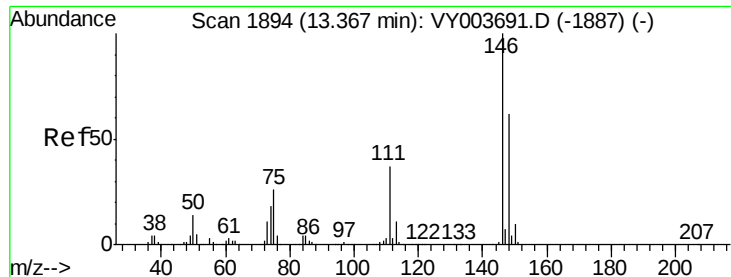
Ion Ratio Lower Upper

173 100

175 49.2 39.1 58.7

254 10.5 7.7 11.5

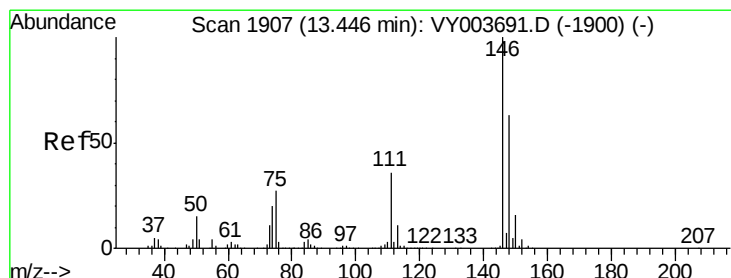
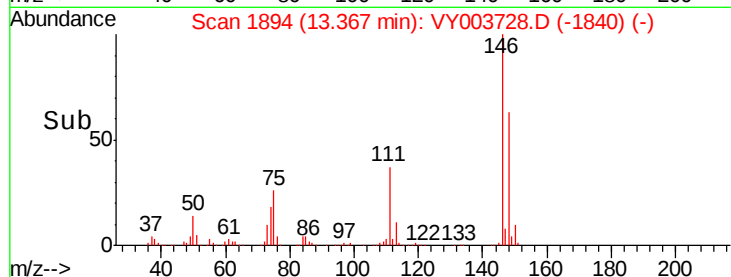
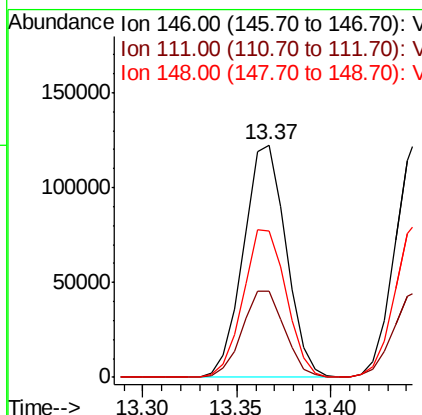
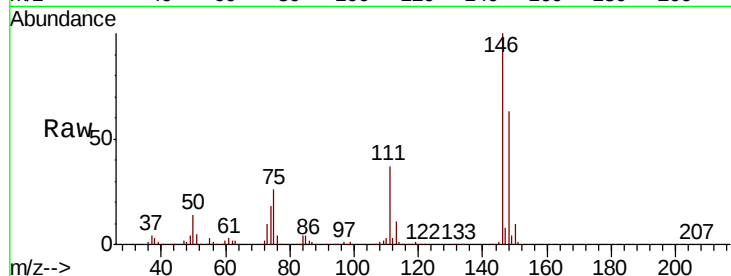




#63
 1,3-Dichlorobenzene
 Concen: 27.861 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. 0.00 min
 Lab File: VY003728.D
 Acq: 11 Dec 2020 14:43

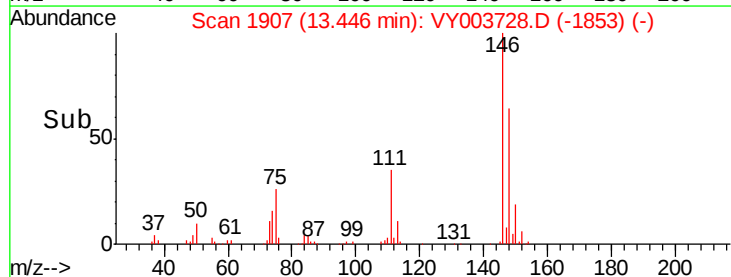
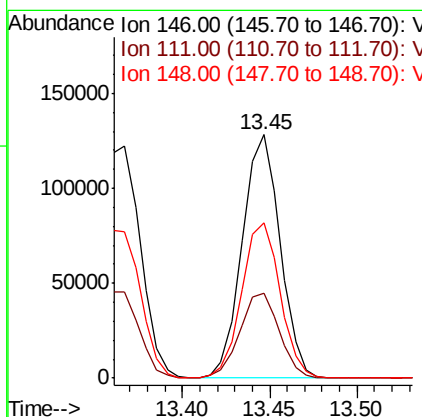
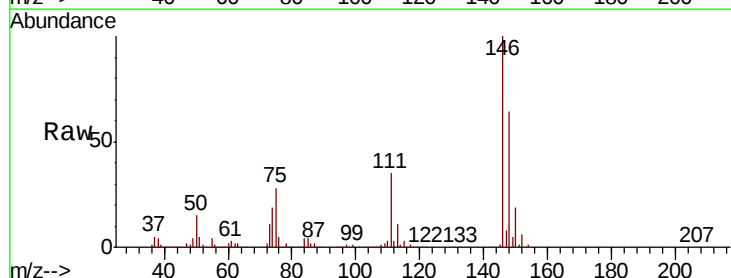
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02594

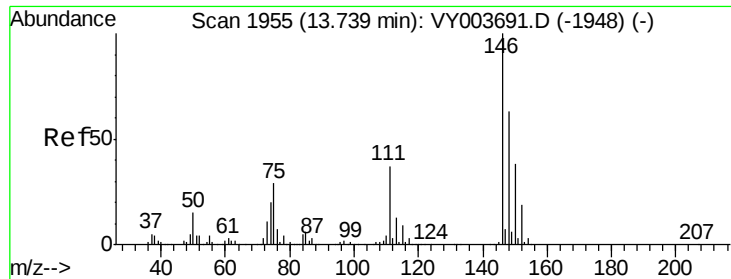
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	26.0	48.4
148	63.3	43.7	81.1



#64
 1,4-Dichlorobenzene
 Concen: 27.582 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003728.D
 Acq: 11 Dec 2020 14:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.1	23.2	43.0
148	63.7	43.8	81.4

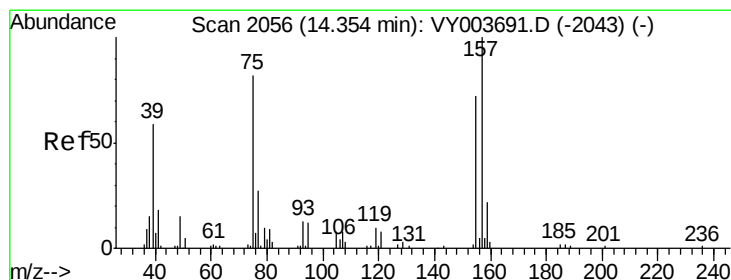
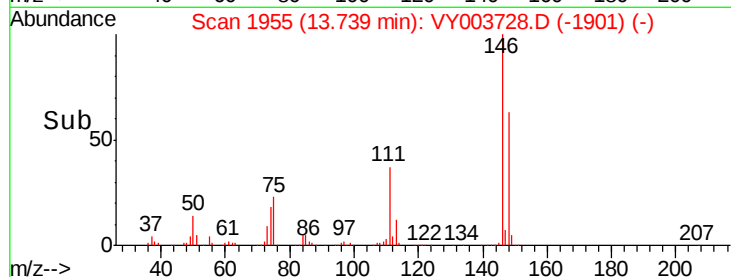
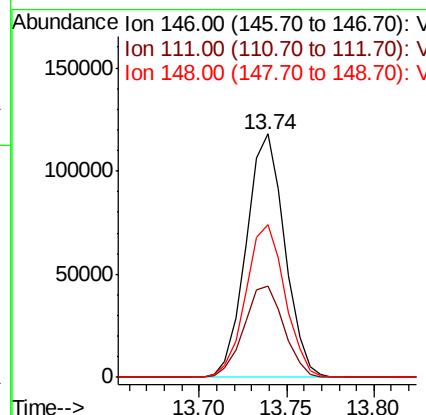
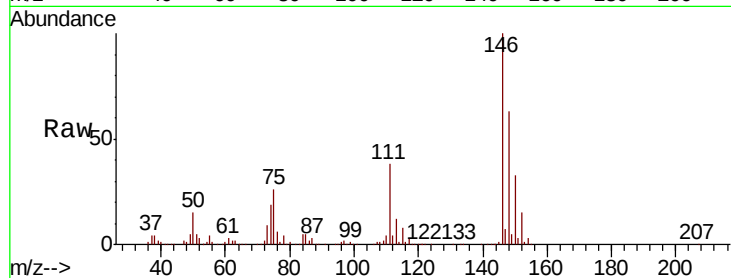




#65
 1,2-Dichlorobenzene
 Concen: 28.592 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VY003728.D
 Acq: 11 Dec 2020 14:43

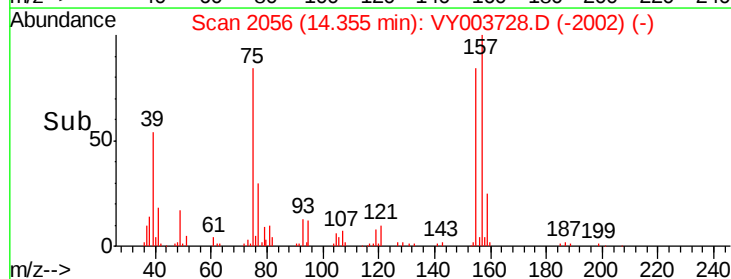
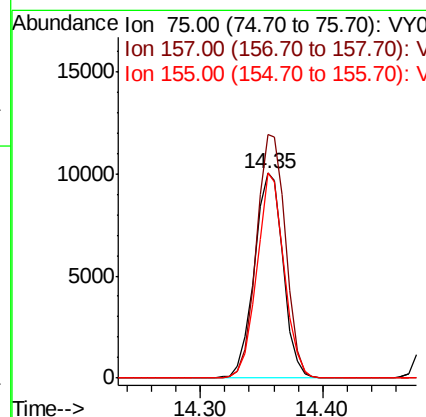
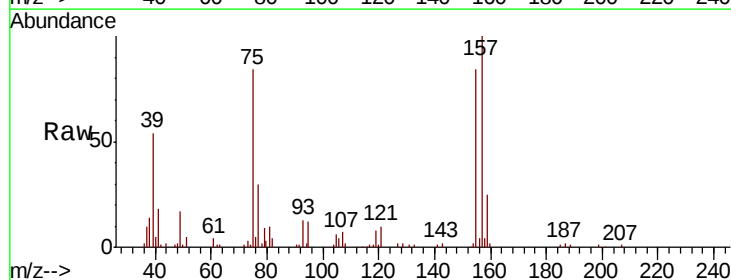
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02594

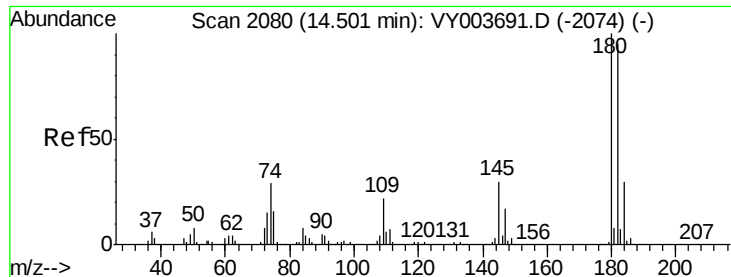
Tot Ion:146 Resp: 180798
 Ion Ratio Lower Upper
 146 100
 111 37.7 30.0 45.0
 148 62.6 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.021 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003728.D
 Acq: 11 Dec 2020 14:43

Tgt Ion: 75 Resp: 16506
 Ion Ratio Lower Upper
 75 100
 157 118.8 101.3 151.9
 155 100.1 76.2 114.4

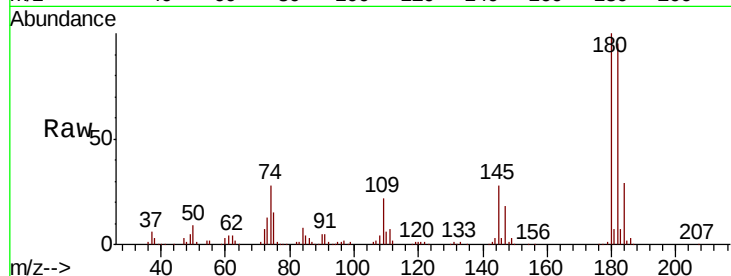




#67
 1,3,5-Trichlorobenzene
 Concen: 28.001 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003728.D
 Acq: 11 Dec 2020 14:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02594

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.0	114.0
184	30.4	24.2	36.2
145	27.9	22.2	33.2



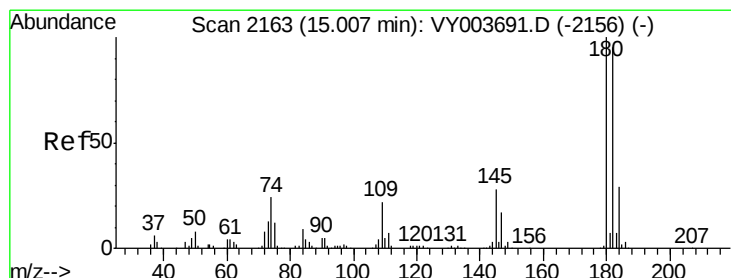
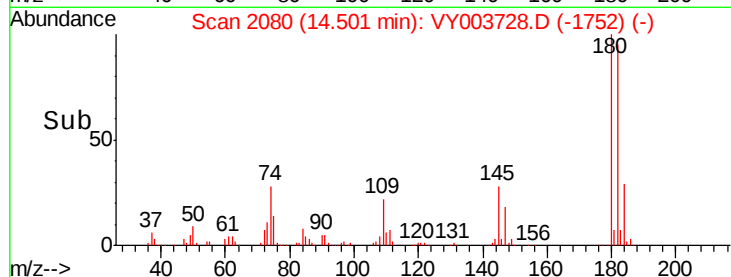
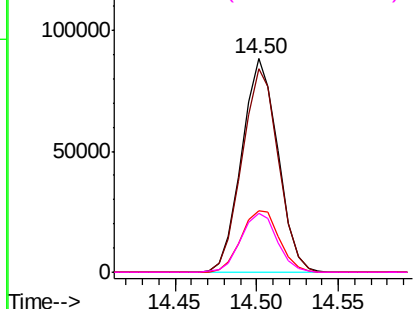
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

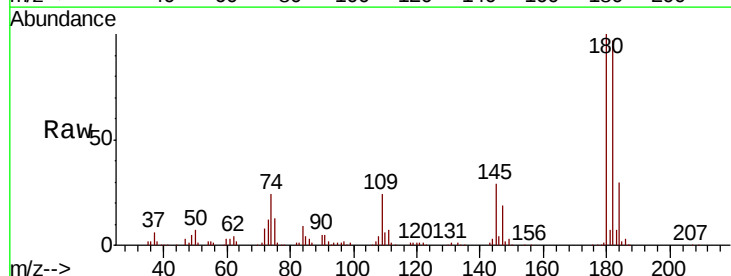
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.850 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VY003728.D
 Acq: 11 Dec 2020 14:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.5	114.7
145	28.2	22.2	33.4

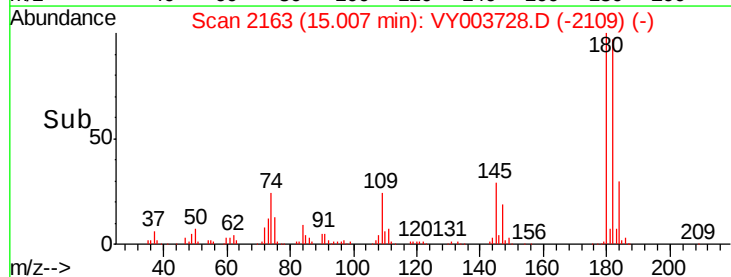
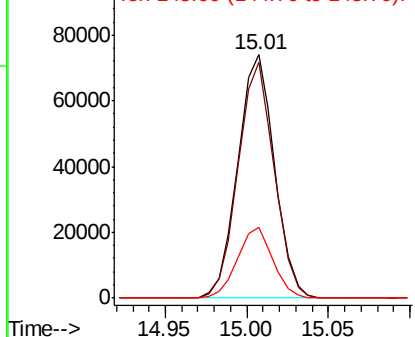


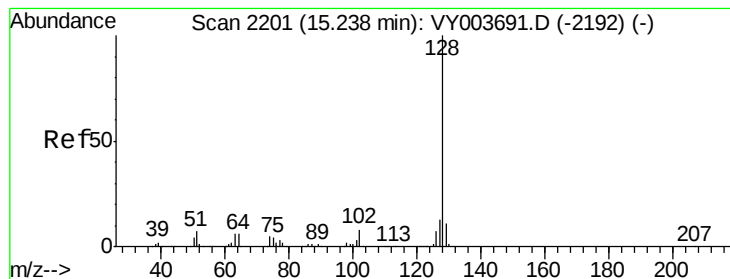
Abundance

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





#69

Naphthalene

Concen: 28.047 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.01 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02594

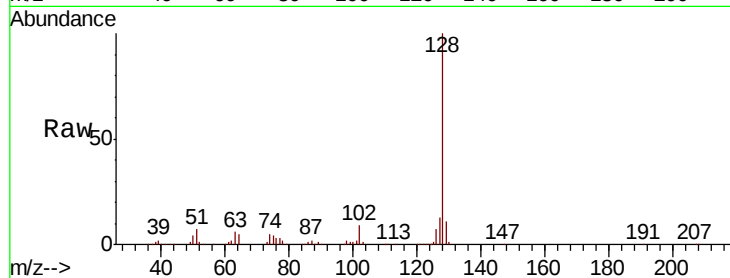
Tot Ion:128 Resp: 244533

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

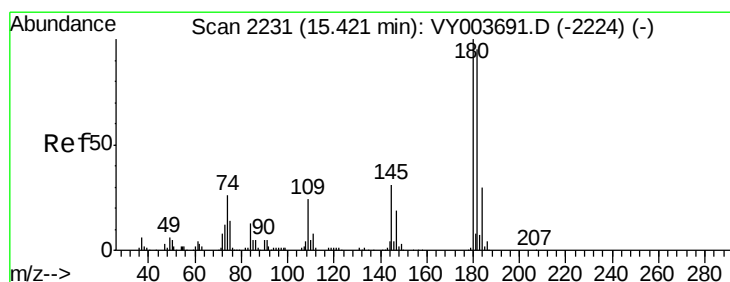
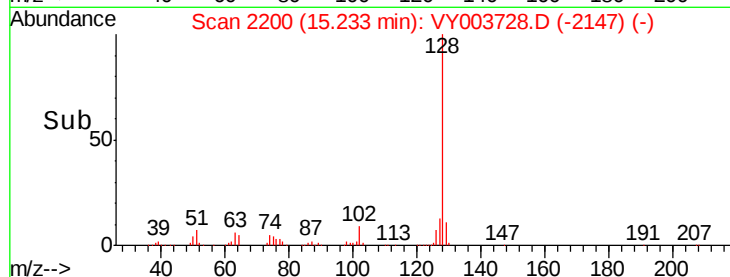
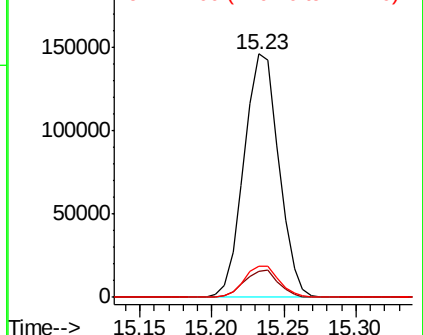
127 12.8 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 28.053 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. 0.00 min

Lab File: VY003728.D

Acq: 11 Dec 2020 14:43

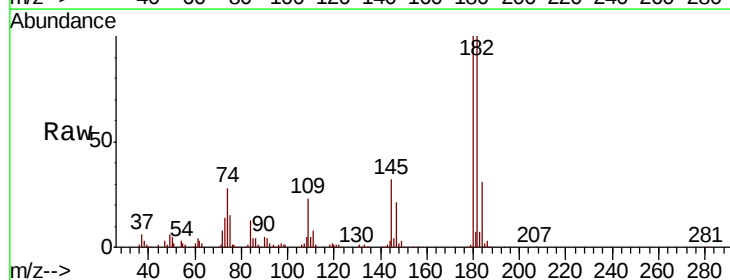
Tgt Ion:180 Resp: 106523

Ion Ratio Lower Upper

180 100

182 95.2 76.9 115.3

145 29.5 24.2 36.4



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

