

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
 Data File : VY003712.D
 Acq On : 10 Dec 2020 11:34
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02592

Quant Time: Dec 11 00:40:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 09:06:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	226254	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.50	117	218650	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	115401	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	69164	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.48%
7) Chloroethane-d5	2.77	69	56178	23.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.08%
10) 1,1-Dichloroethene-d2	3.87	63	137476	22.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.32%
20) 2-Butanone-d5	6.90	46	43149	37.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.66%
24) Chloroform-d	7.49	84	140655	24.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.64%
26) 1,2-Dichloroethane-d4	8.15	65	77049	23.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.08%
29) Benzene-d6	8.12	84	299058	23.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.48%
33) 1,2-Dichloropropane-d6	9.12	67	87346	23.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.28%
37) Toluene-d8	10.18	98	277274	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.76%
38) trans-1,3-Dichloropropene-	10.44	79	42521	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.00%
39) 2-Hexanone-d5	10.79	63	37429	39.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.76%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	80938	24.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.00%
61) 1,2-Dichlorobenzene-d4	13.73	152	101827	24.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	61894	24.342	ug/L 99
3) Chloromethane	2.12	50	66964	24.267	ug/L 95
5) Vinyl chloride	2.26	62	72428	24.823	ug/L 99
6) Bromomethane	2.67	94	45531	24.133	ug/L 97
8) Chloroethane	2.81	64	45932	25.854	ug/L 96
9) Trichlorofluoromethane	3.14	101	116335	26.041	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.92	101	75001	26.116	ug/L 100
12) 1,1-Dichloroethene	3.89	96	70068	25.878	ug/L 91
13) Acetone	3.96	43	35085	41.960	ug/L 98
14) Carbon disulfide	4.21	76	226890	25.141	ug/L 98
15) Methyl Acetate	4.48	43	44908	21.345	ug/L 98
16) Methylene chloride	4.73	84	83038	20.902	ug/L 98
17) Methyl tert-butyl Ether	5.23	73	189600	24.703	ug/L 100
18) trans-1,2-Dichloroethene	5.24	96	77058	25.275	ug/L 94
19) 1,1-Dichloroethane	6.03	63	127917	24.993	ug/L 98
21) 2-Butanone	7.00	43	57529	38.964	ug/L 94
22) cis-1,2-Dichloroethene	7.00	96	83206	25.610	ug/L 97

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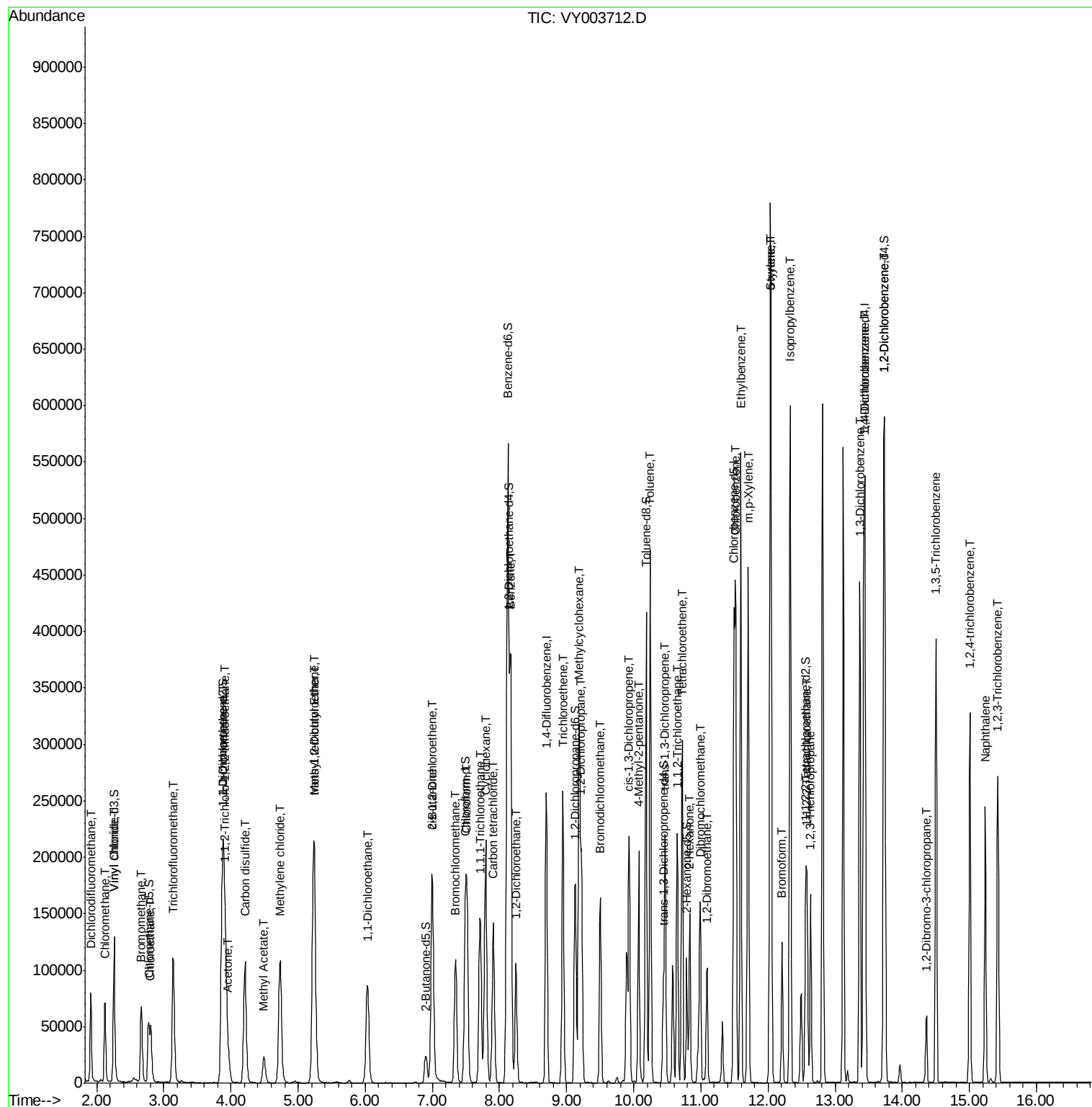
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	40888	25.210	ug/L	92
25) Chloroform	7.51	83	133180	25.705	ug/L	100
27) 1,2-Dichloroethane	8.25	62	89031	25.404	ug/L	99
30) Cyclohexane	7.79	56	116309	24.691	ug/L	98
31) 1,1,1-Trichloroethane	7.72	97	119617	25.665	ug/L	99
32) Carbon tetrachloride	7.91	117	109178	26.388	ug/L	98
34) Benzene	8.17	78	315911	25.257	ug/L	100
35) Trichloroethene	8.95	95	83523	24.322	ug/L	99
36) Methylcyclohexane	9.18	83	134840	25.622	ug/L	99
40) 1,2-Dichloropropane	9.22	63	79058	25.202	ug/L	100
41) Bromodichloromethane	9.50	83	101368	25.433	ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	126314	25.581	ug/L	100
43) 4-Methyl-2-pentanone	10.07	43	126335	42.874	ug/L	98
44) Toluene	10.25	91	345378	26.177	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	114892	25.244	ug/L	100
46) 1,1,2-Trichloroethane	10.65	97	66493	24.585	ug/L	97
47) Tetrachloroethene	10.72	164	68360	25.561	ug/L	94
49) 2-Hexanone	10.84	43	90394	43.650	ug/L	99
50) Dibromochloromethane	10.99	129	81027	25.599	ug/L	97
51) 1,2-Dibromoethane	11.09	107	65367	24.977	ug/L	99
52) Chlorobenzene	11.52	112	223844	25.779	ug/L	97
53) Ethylbenzene	11.59	91	372698	25.883	ug/L	99
54) m,p-Xylene	11.70	106	146641	26.398	ug/L	96
55) o-xylene	12.03	106	141116	26.479	ug/L	96
56) Styrene	12.04	104	245182	26.880	ug/L	97
57) Isopropylbenzene	12.33	105	370549	26.594	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	76371	26.337	ug/L	97
59) 1,2,3-Trichloropropane	12.64	75	62631	24.158	ug/L	100
62) Bromoform	12.21	173	53897	24.741	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	177815	25.910	ug/L	98
64) 1,4-Dichlorobenzene	13.45	146	180471	25.868	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	164547	26.135	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	13386	22.823	ug/L	90
67) 1,3,5-Trichlorobenzene	14.50	180	122249	25.196	ug/L	100
68) 1,2,4-trichlorobenzene	15.01	180	101386	24.495	ug/L	99
69) Naphthalene	15.24	128	200171	23.058	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	92865	24.562	ug/L	97

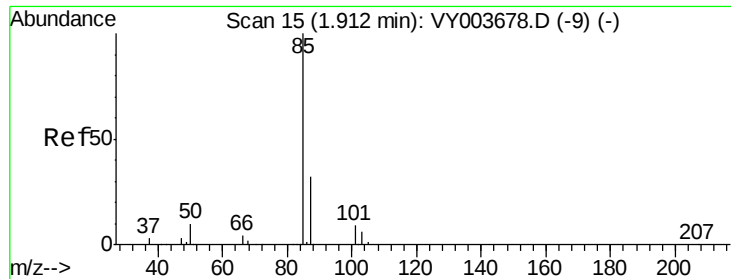
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.342 ug/L

RT: 1.91 min Scan# 15

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

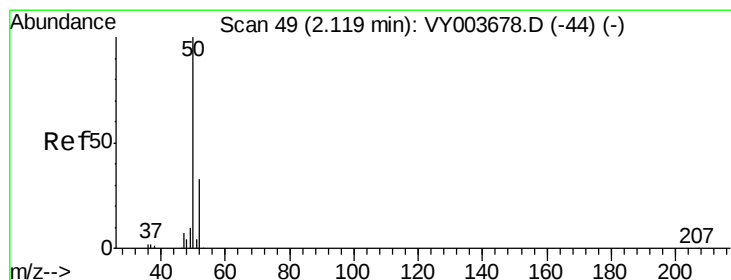
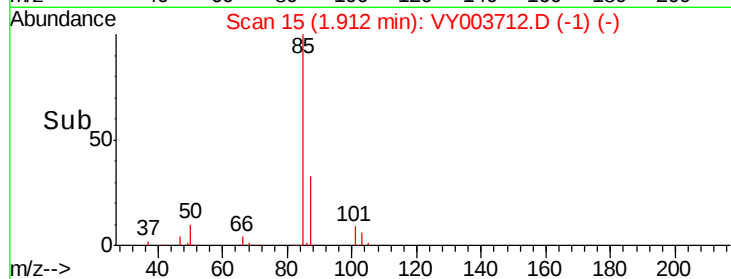
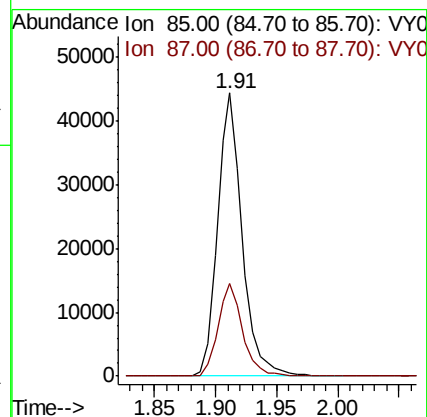
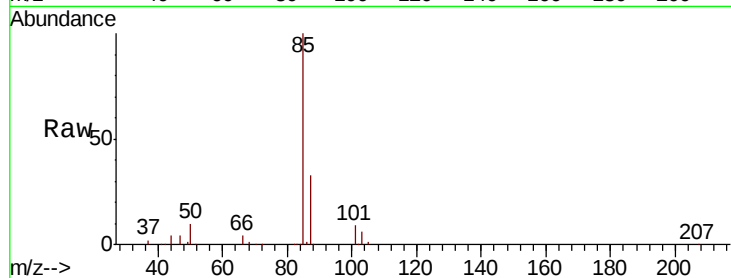
VSTD02592

Tot Ion: 85 Resp: 61894

Ion Ratio Lower Upper

85 100

87 32.9 22.6 42.0



#3

Chloromethane

Concen: 24.267 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003712.D

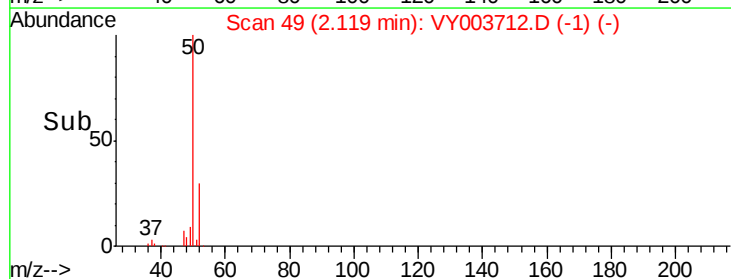
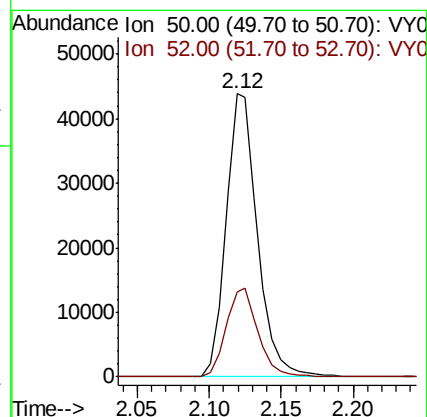
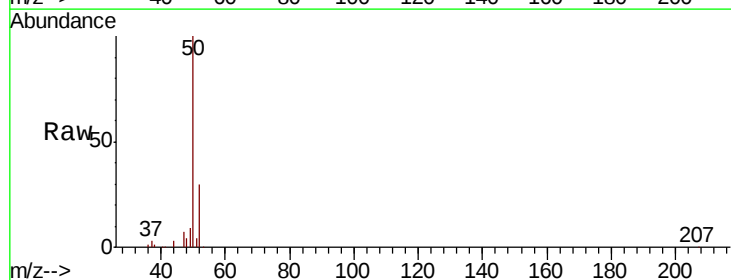
Acq: 10 Dec 2020 11:34

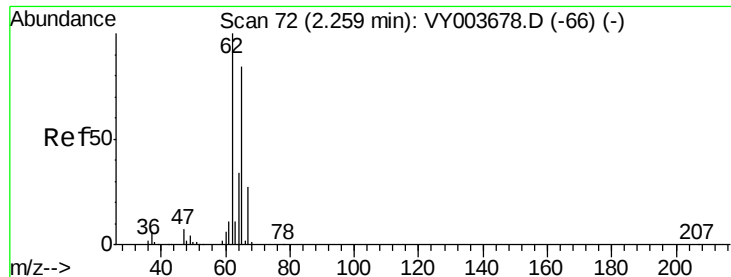
Tgt Ion: 50 Resp: 66964

Ion Ratio Lower Upper

50 100

52 29.9 23.1 42.9





#5

Vinyl chloride

Concen: 24.823 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

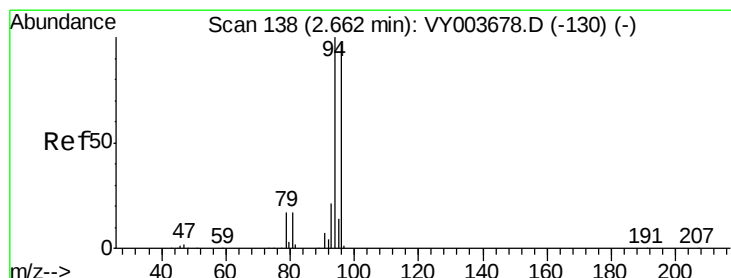
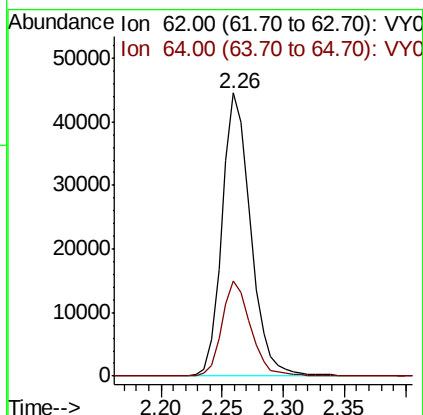
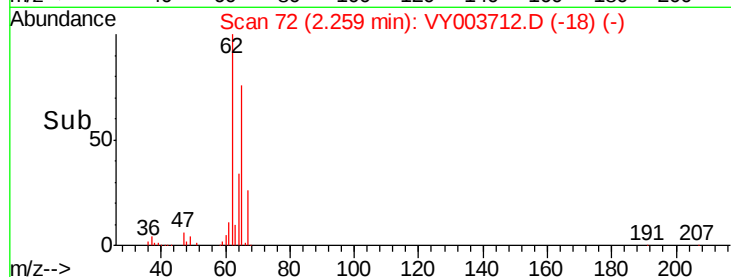
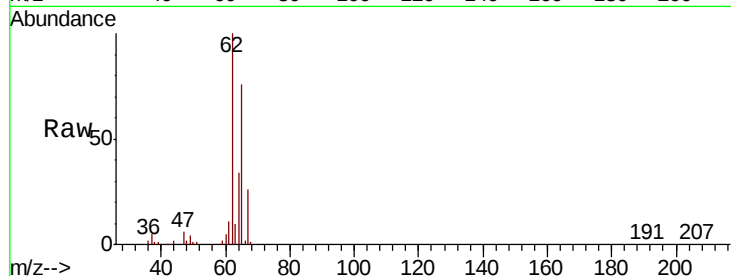
VSTD02592

Tot Ion: 62 Resp: 72428

Ion Ratio Lower Upper

62 100

64 33.6 23.8 44.2



#6

Bromomethane

Concen: 24.133 ug/L

RT: 2.67 min Scan# 139

Delta R.T. 0.01 min

Lab File: VY003712.D

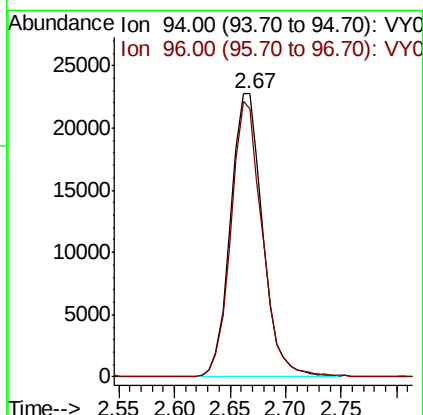
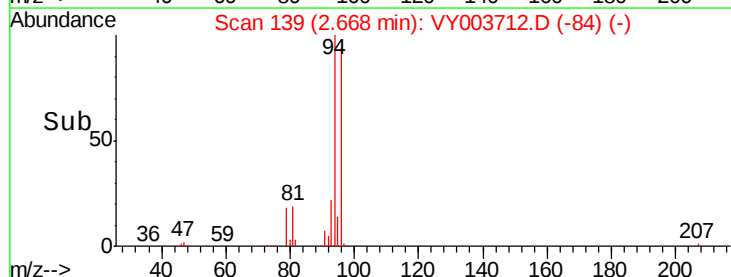
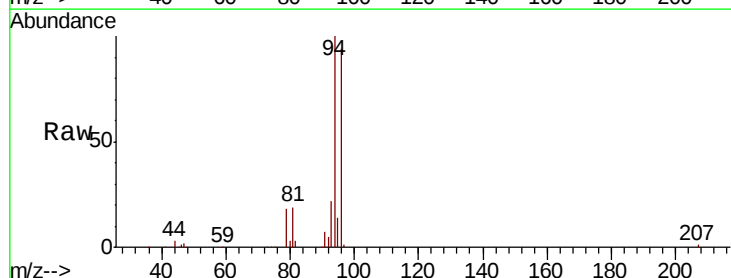
Acq: 10 Dec 2020 11:34

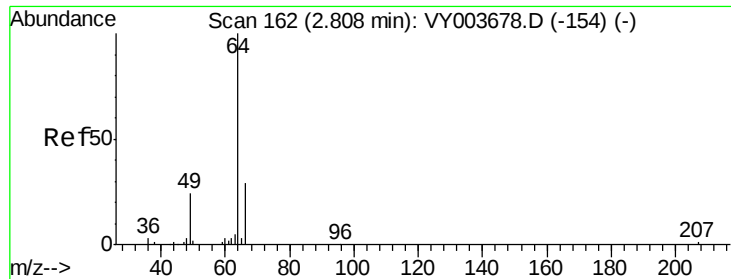
Tgt Ion: 94 Resp: 45531

Ion Ratio Lower Upper

94 100

96 94.9 9.2 174.6





#8

Chloroethane

Concen: 25.854 ug/L

RT: 2.81 min Scan# 162

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

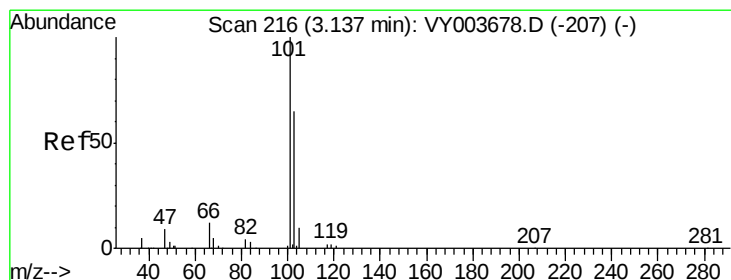
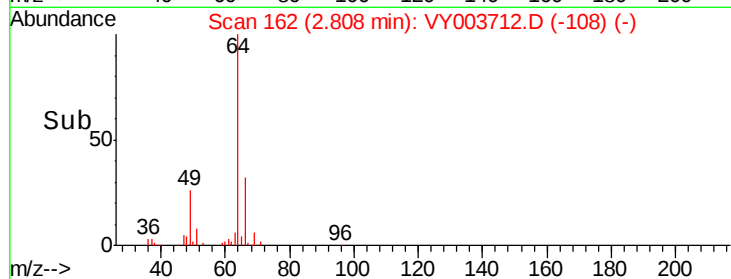
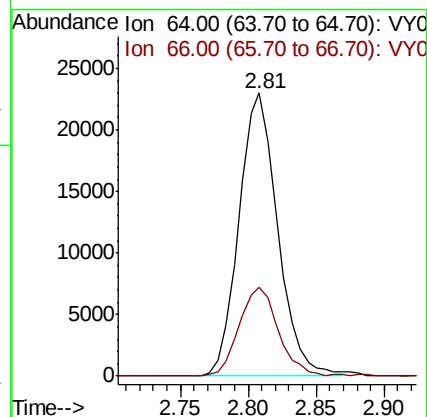
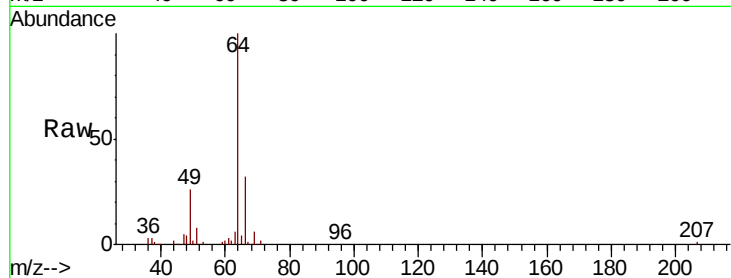
VSTD02592

Tot Ion: 64 Resp: 45932

Ion Ratio Lower Upper

64 100

66 31.6 23.8 44.2



#9

Trichlorofluoromethane

Concen: 26.041 ug/L

RT: 3.14 min Scan# 216

Delta R.T. 0.00 min

Lab File: VY003712.D

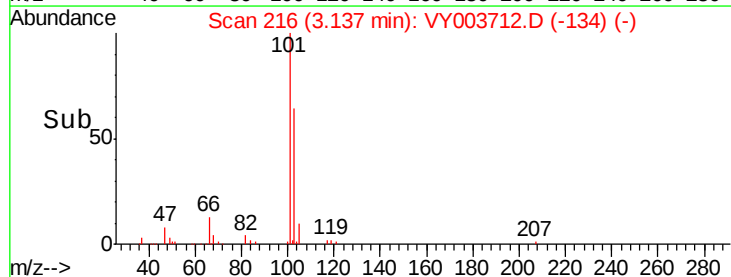
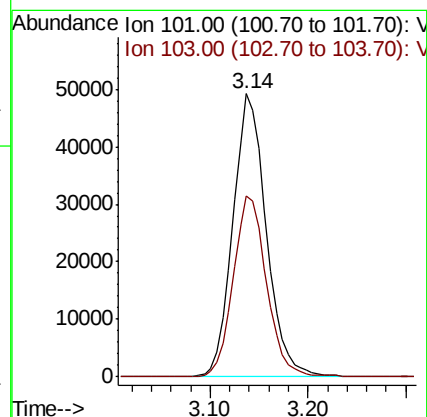
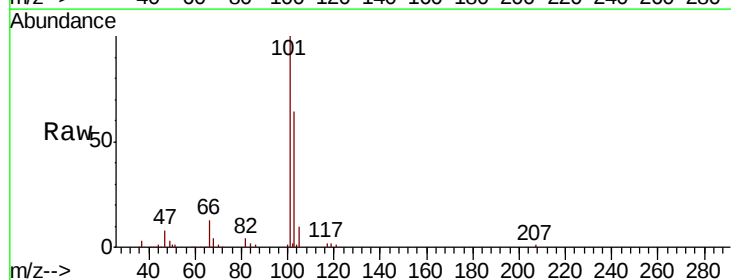
Acq: 10 Dec 2020 11:34

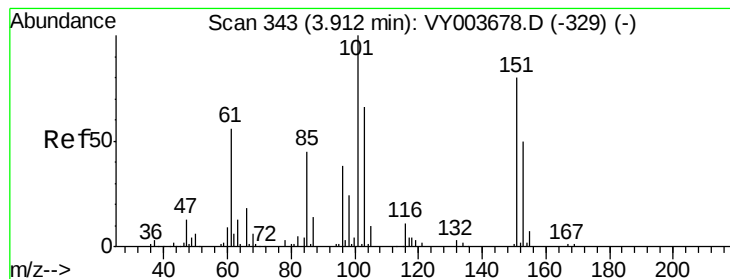
Tgt Ion: 101 Resp: 116335

Ion Ratio Lower Upper

101 100

103 63.6 45.1 83.7





#11

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

Concen: 26.116 ug/L

RT: 3.92 min Scan# 344

Delta R.T. 0.01 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02592

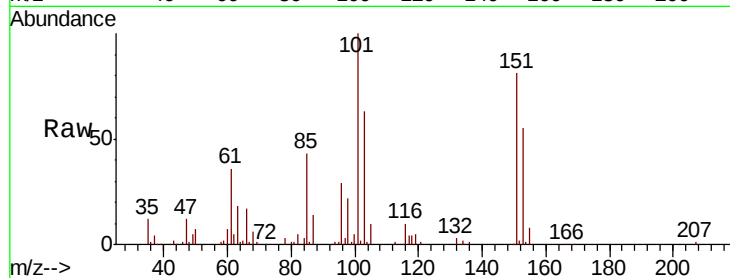
Tot Ion:101 Resp: 75001

Ion Ratio Lower Upper

101 100

85 42.4 33.9 50.9

151 80.6 65.0 97.4

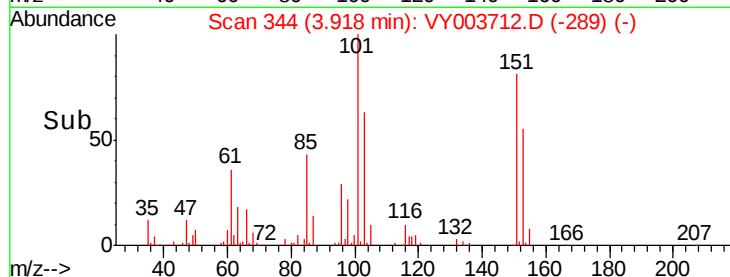


Abundance Ion 101.00 (100.70 to 101.70): VY003712.D (-289) (-)

Ion 85.00 (84.70 to 85.70): VY003712.D (-289) (-)

Ion 151.00 (150.70 to 151.70): VY003712.D (-289) (-)

Time-->



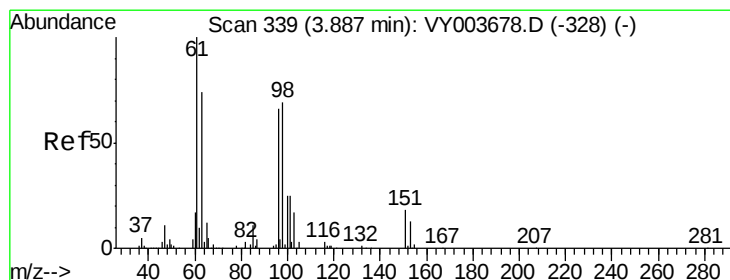
Abundance

Ion 101.00 (100.70 to 101.70): VY003712.D (-289) (-)

Ion 85.00 (84.70 to 85.70): VY003712.D (-289) (-)

Ion 151.00 (150.70 to 151.70): VY003712.D (-289) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 25.878 ug/L

RT: 3.89 min Scan# 339

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

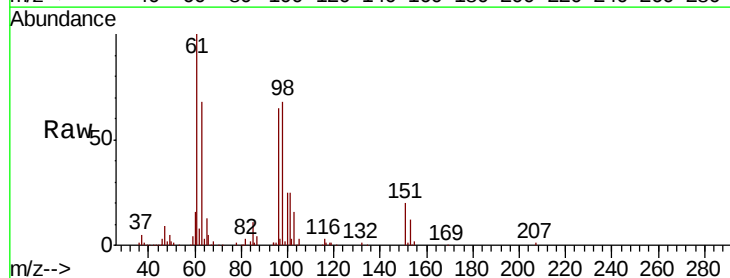
Tgt Ion: 96 Resp: 70068

Ion Ratio Lower Upper

96 100

61 153.5 108.5 201.5

63 104.8 87.8 163.0

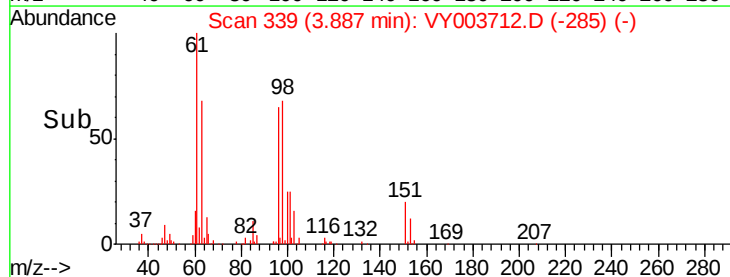


Abundance Ion 96.00 (95.70 to 96.70): VY003712.D (-285) (-)

Ion 61.00 (60.70 to 61.70): VY003712.D (-285) (-)

Ion 63.00 (62.70 to 63.70): VY003712.D (-285) (-)

Time-->



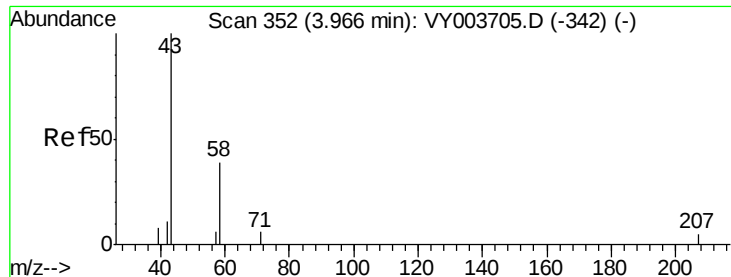
Abundance

Ion 96.00 (95.70 to 96.70): VY003712.D (-285) (-)

Ion 61.00 (60.70 to 61.70): VY003712.D (-285) (-)

Ion 63.00 (62.70 to 63.70): VY003712.D (-285) (-)

Time-->



#13

Acetone

Concen: 41.960 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

Instrument :

MSVOA_Y

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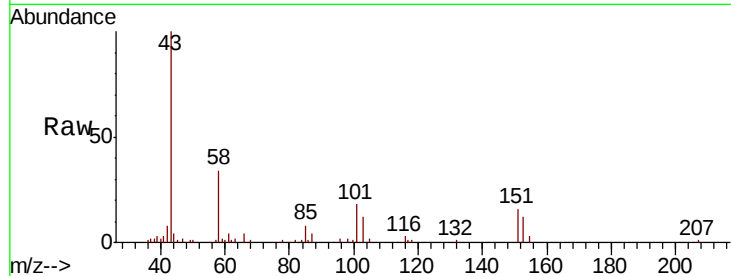
VSTD02592

Tot Ion: 43 Resp: 35085

Ion Ratio Lower Upper

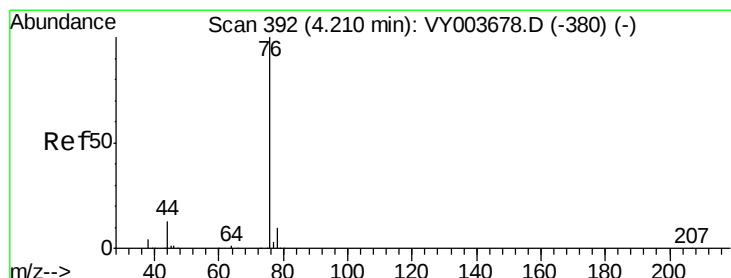
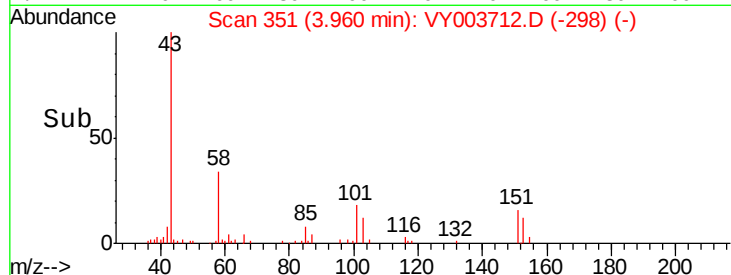
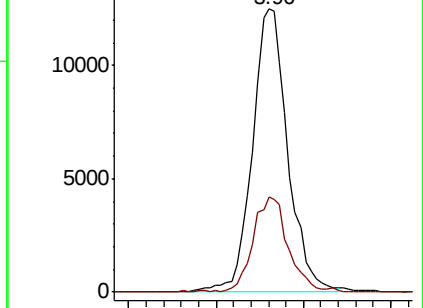
43 100

58 33.2 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY003712.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY003712.D (-351) (-)



#14

Carbon disulfide

Concen: 25.141 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003712.D

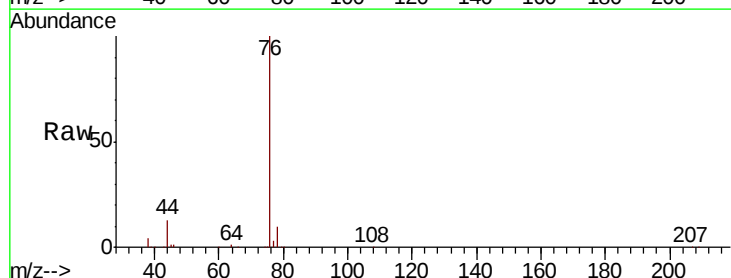
Acq: 10 Dec 2020 11:34

Tgt Ion: 76 Resp: 226890

Ion Ratio Lower Upper

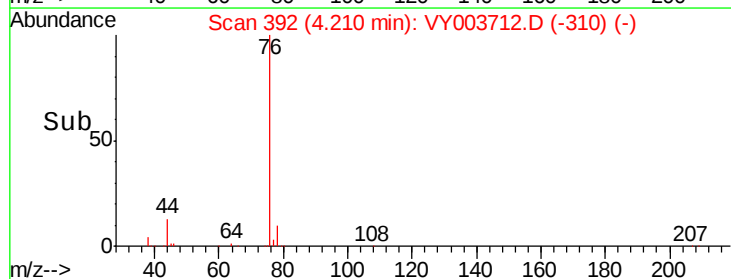
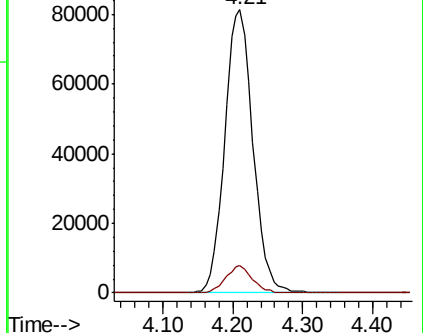
76 100

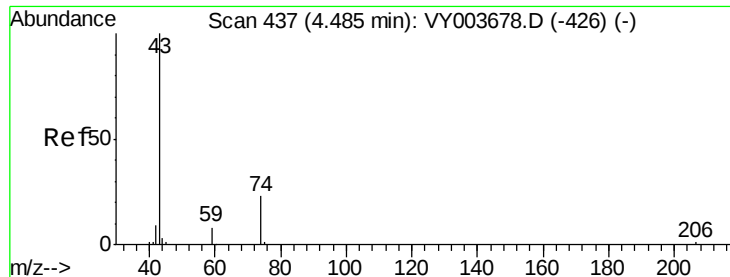
78 9.6 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY003712.D (-392) (-)

Ion 78.00 (77.70 to 78.70): VY003712.D (-392) (-)

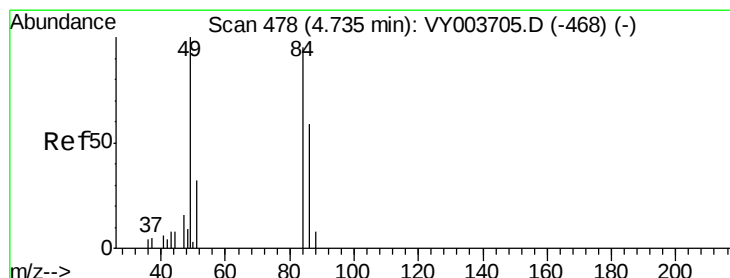
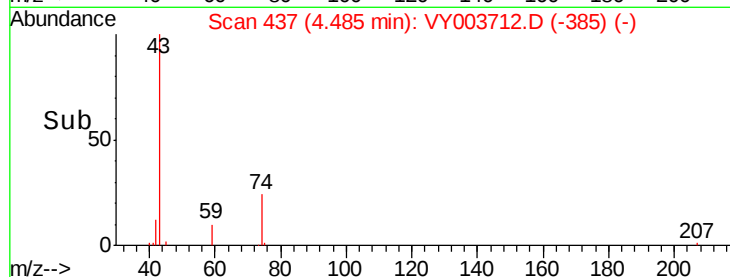
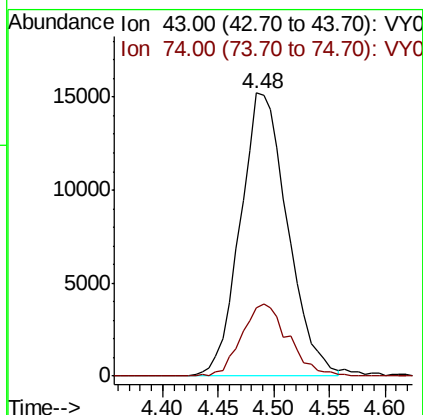
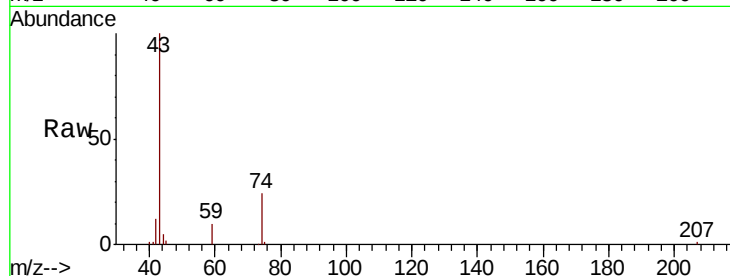




#15
Methvl Acetate
Concen: 21.345 ug/L
RT: 4.48 min Scan# 437
Delta R.T. -0.01 min
Lab File: VY003712.D
Acq: 10 Dec 2020 11:34

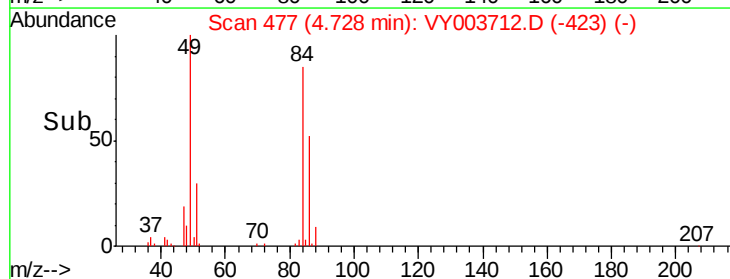
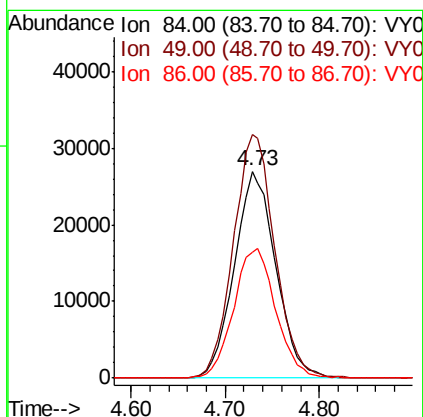
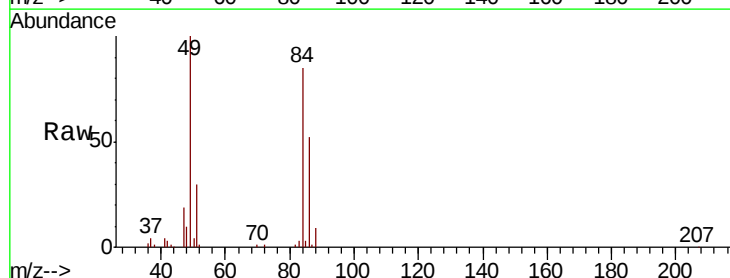
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02592

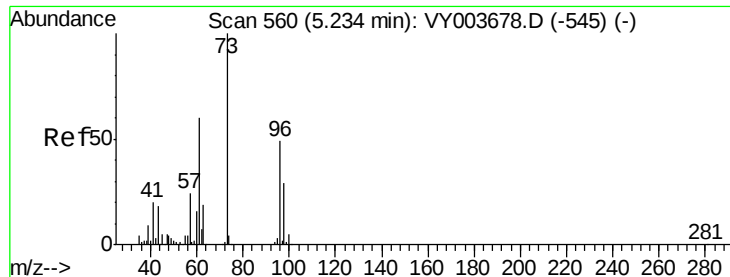
Tot Ion: 43 Resp: 44908
Ion Ratio Lower Upper
43 100
74 25.2 19.2 28.8



#16
Methylene chloride
Concen: 20.902 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003712.D
Acq: 10 Dec 2020 11:34

Tgt Ion: 84 Resp: 83038
Ion Ratio Lower Upper
84 100
49 117.7 83.7 155.4
86 61.1 45.0 83.6

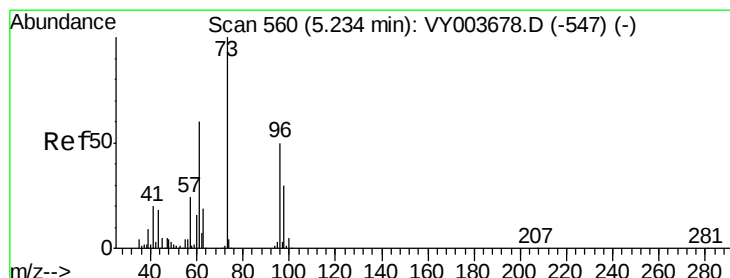
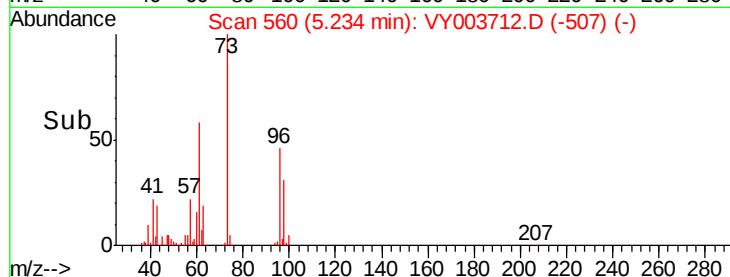
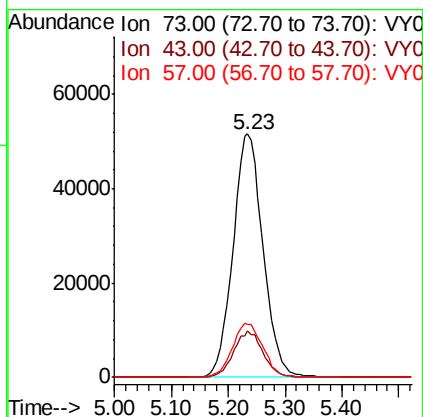
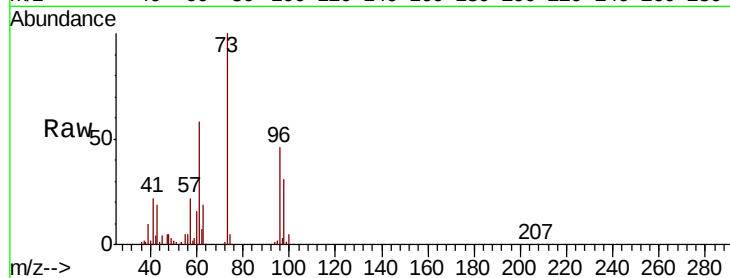




#17
Methvl tert-butvl Ether
Concen: 24.703 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.01 min
Lab File: VY003712.D
Acq: 10 Dec 2020 11:34

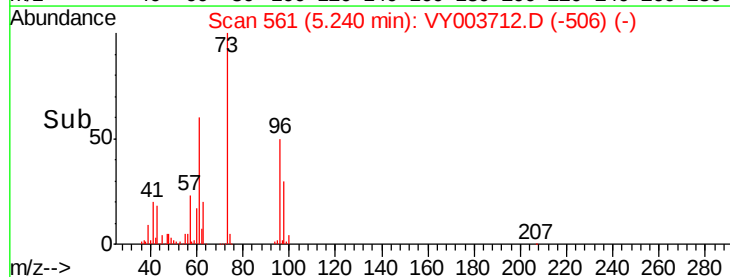
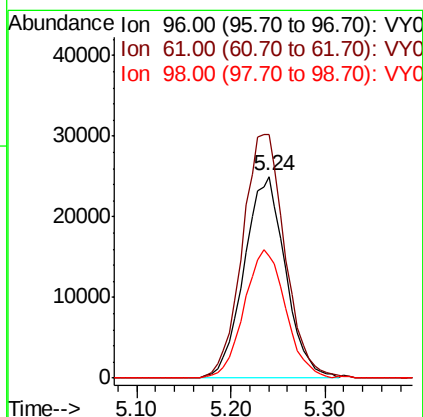
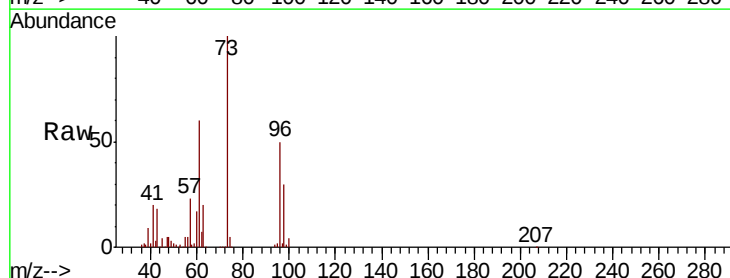
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02592

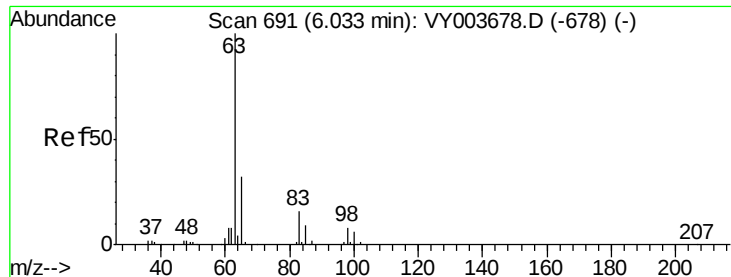
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.7	14.9	22.3
57	22.6	18.1	27.1



#18
trans-1,2-Dichloroethene
Concen: 25.275 ug/L
RT: 5.24 min Scan# 561
Delta R.T. 0.01 min
Lab File: VY003712.D
Acq: 10 Dec 2020 11:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.6	90.8	168.6
98	60.3	44.2	82.0

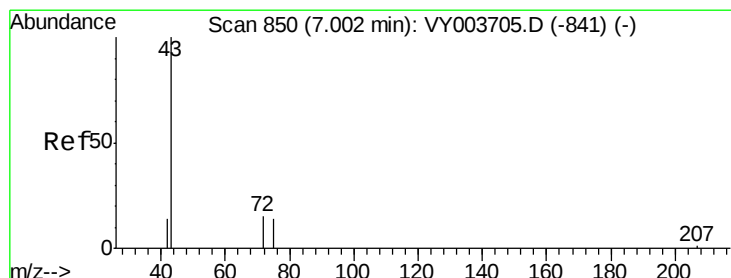
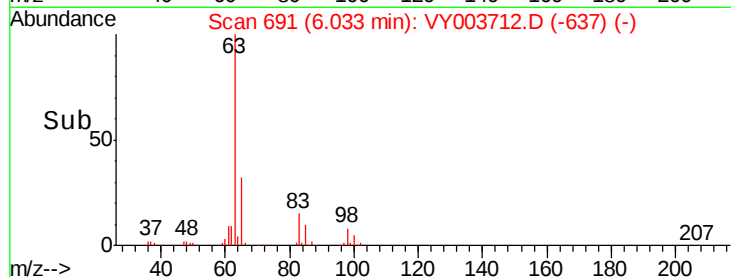
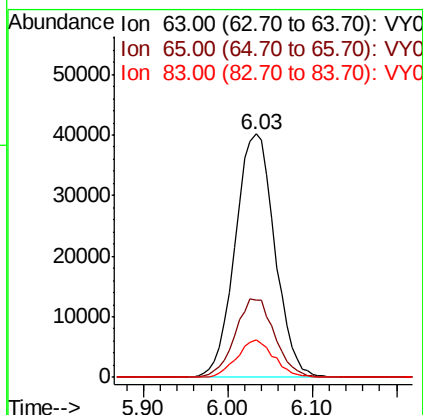
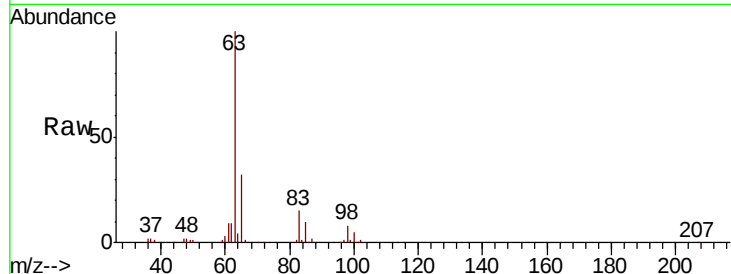




#19
 1,1-Dichloroethane
 Concen: 24.993 ug/L
 RT: 6.03 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VY003712.D
 Acq: 10 Dec 2020 11:34

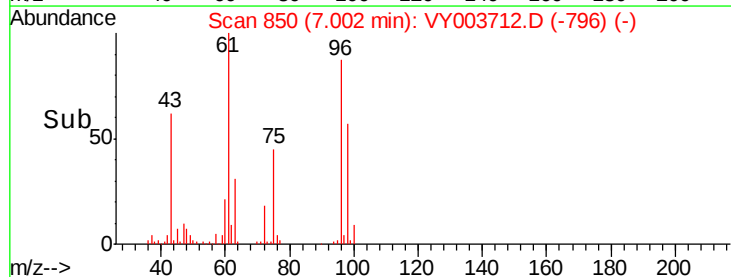
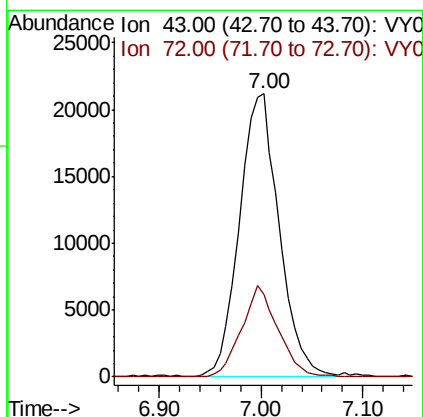
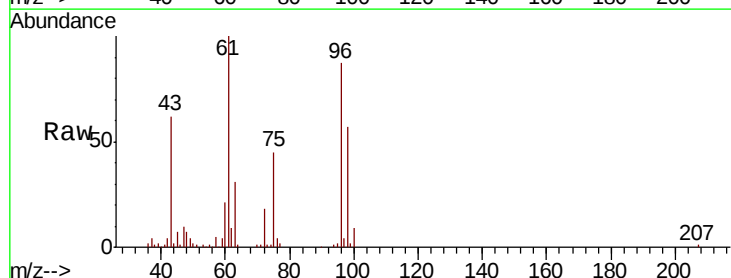
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02592

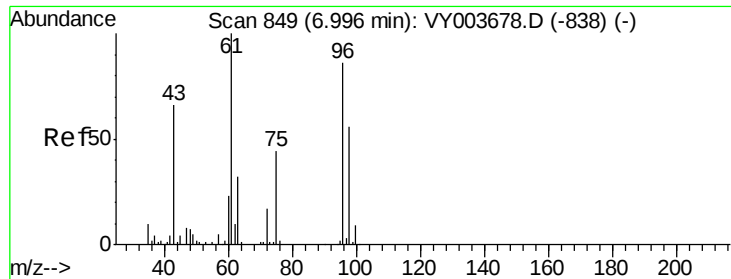
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.7	42.1
83	15.4	9.7	17.9



#21
 2-Butanone
 Concen: 38.964 ug/L
 RT: 7.00 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VY003712.D
 Acq: 10 Dec 2020 11:34

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.6	13.3	39.9

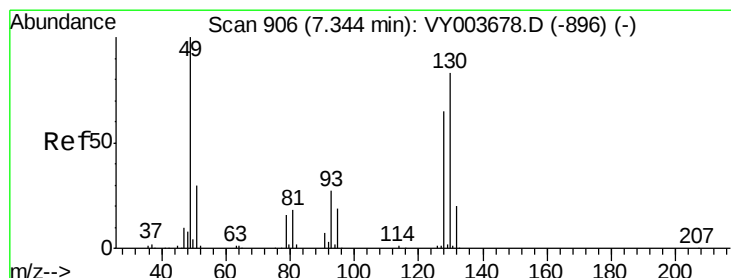
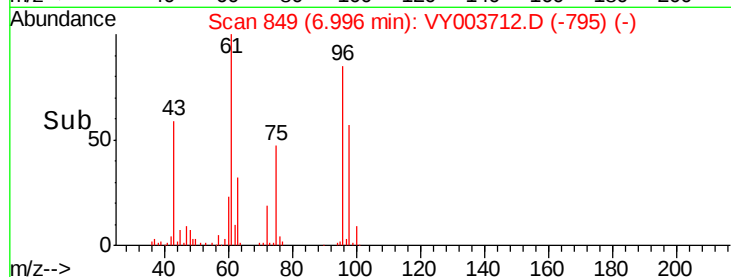
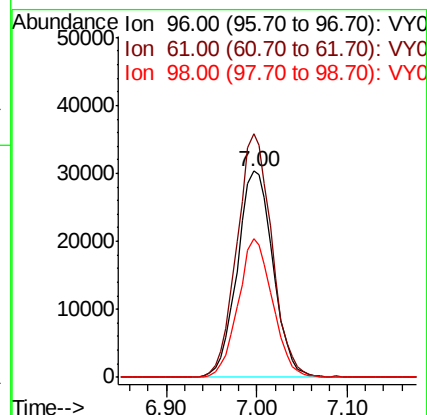
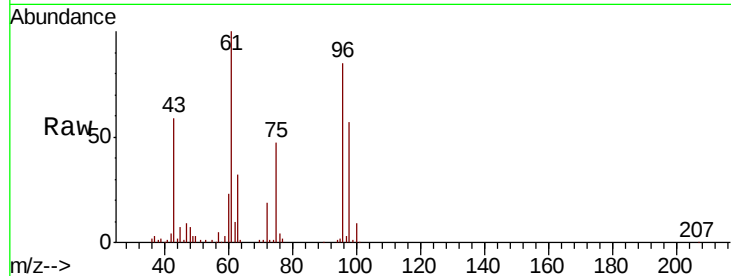




#22
 cis-1,2-Dichloroethene
 Concen: 25.610 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003712.D
 Acq: 10 Dec 2020 11:34

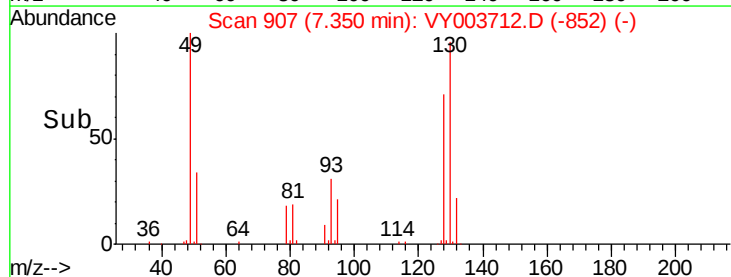
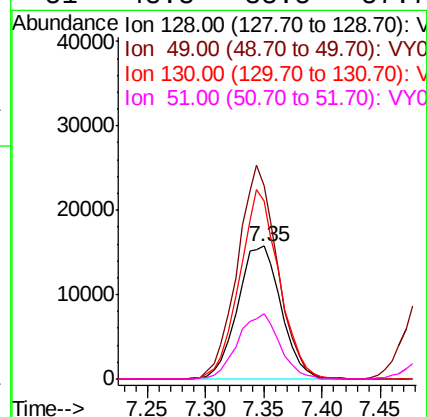
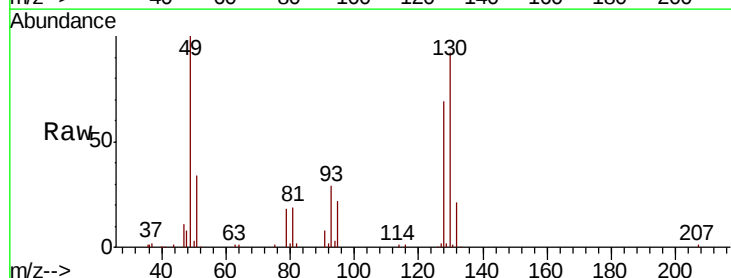
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02592

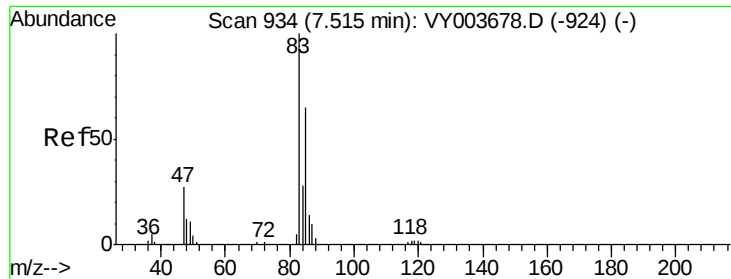
Tot Ion: 96 Resp: 83206
 Ion Ratio Lower Upper
 96 100
 61 118.1 85.8 159.4
 98 66.9 46.5 86.3



#23
 Bromochloromethane
 Concen: 25.210 ug/L
 RT: 7.35 min Scan# 907
 Delta R.T. 0.01 min
 Lab File: VY003712.D
 Acq: 10 Dec 2020 11:34

Tgt Ion: 128 Resp: 40888
 Ion Ratio Lower Upper
 128 100
 49 145.6 113.8 211.3
 130 134.0 89.7 166.5
 51 48.8 38.5 57.7

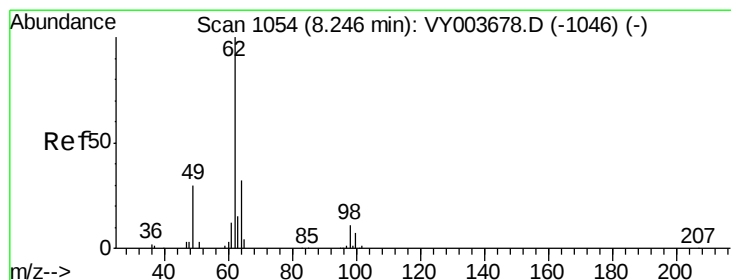
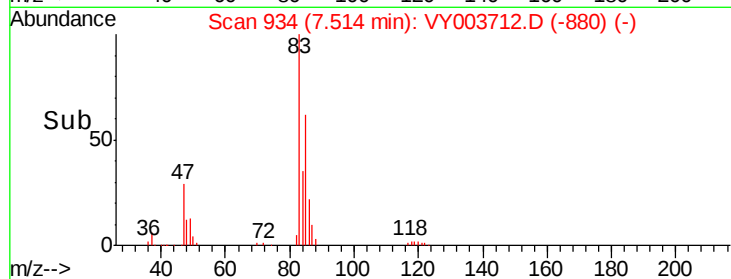
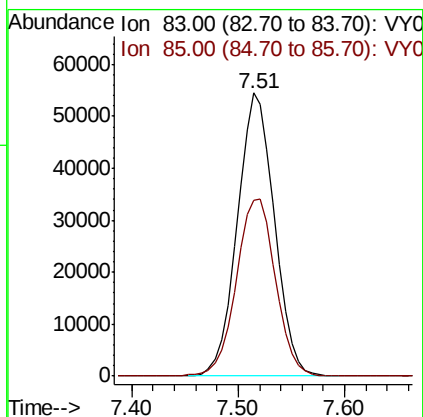
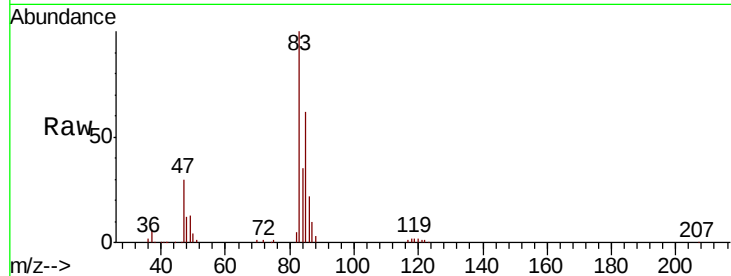




#25
Chloroform
Concen: 25.705 ug/L
RT: 7.51 min Scan# 934
Delta R.T. 0.00 min
Lab File: VY003712.D
Acq: 10 Dec 2020 11:34

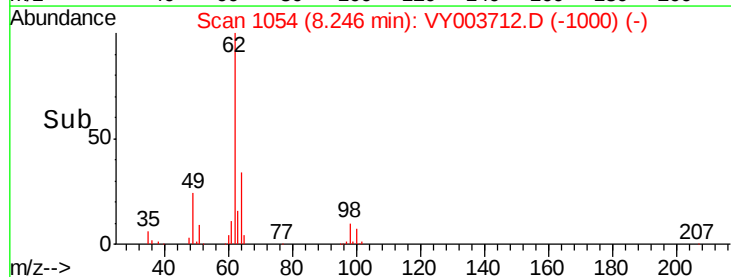
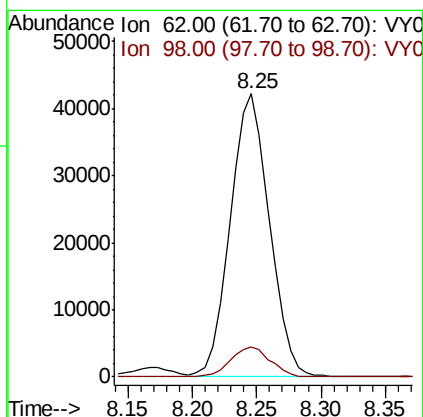
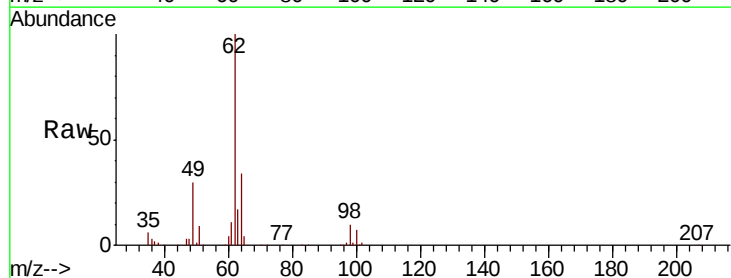
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02592

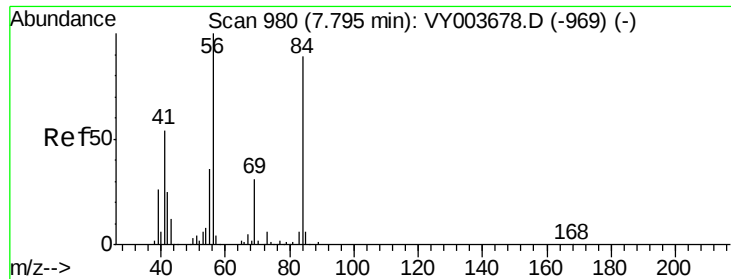
Tot Ion: 83 Resp: 133180
Ion Ratio Lower Upper
83 100
85 66.1 46.5 86.5



#27
1,2-Dichloroethane
Concen: 25.404 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003712.D
Acq: 10 Dec 2020 11:34

Tgt Ion: 62 Resp: 89031
Ion Ratio Lower Upper
62 100
98 10.4 8.0 12.0

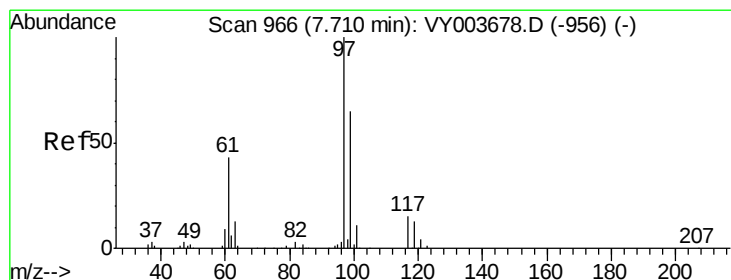
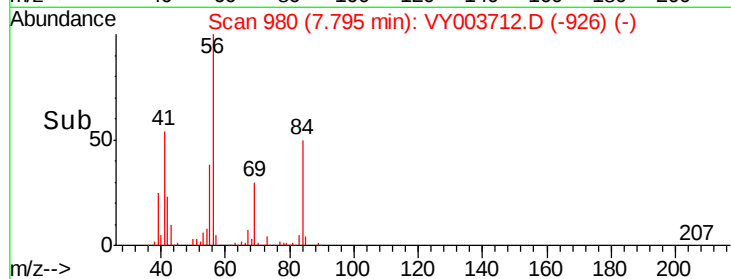
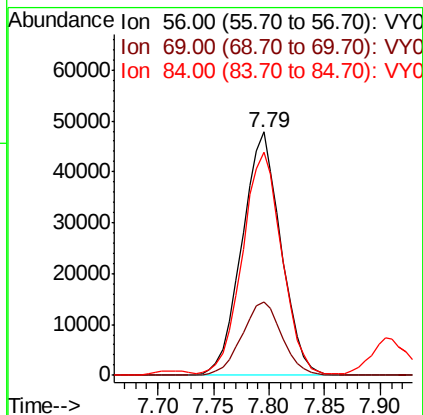
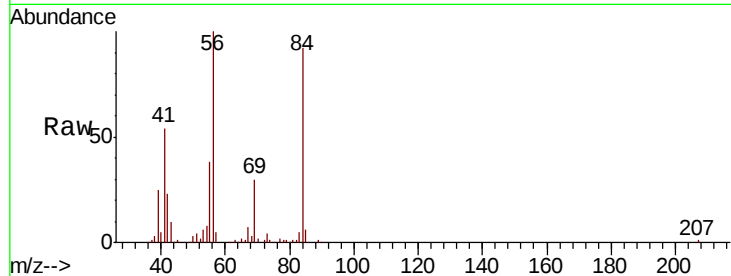




#30
Cyclohexane
Concen: 24.691 ug/L
RT: 7.79 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY003712.D
Acq: 10 Dec 2020 11:34

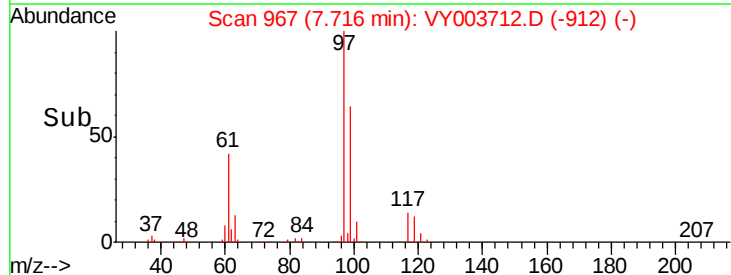
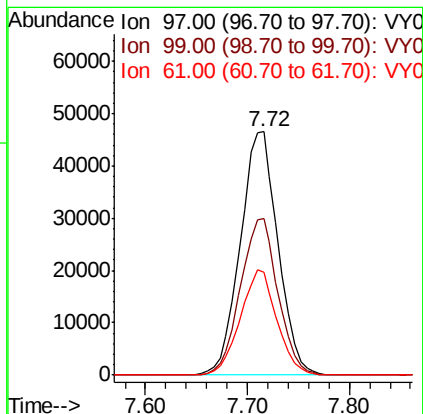
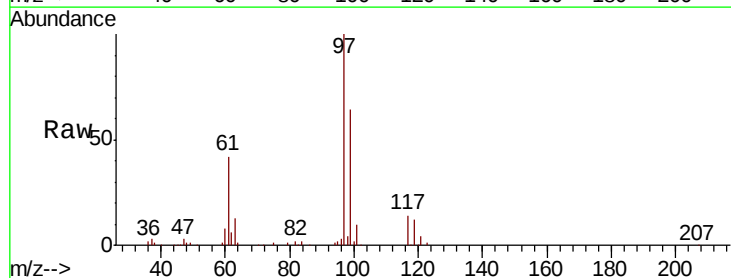
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02592

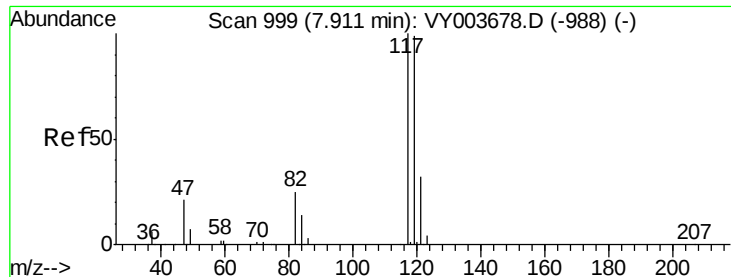
Tot Ion: 56 Resp: 116309
Ion Ratio Lower Upper
56 100
69 31.1 23.8 35.8
84 93.6 73.2 109.8



#31
1,1,1-Trichloroethane
Concen: 25.665 ug/L
RT: 7.72 min Scan# 967
Delta R.T. 0.01 min
Lab File: VY003712.D
Acq: 10 Dec 2020 11:34

Tgt Ion: 97 Resp: 119617
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.0
61 41.9 34.0 51.0





#32

Carbon tetrachloride

Concen: 26.388 ug/L

RT: 7.91 min Scan# 999

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

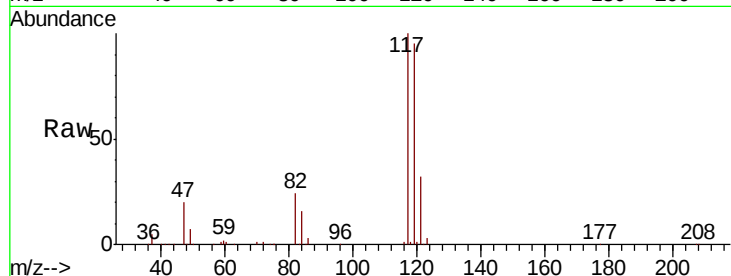
VSTD02592

Tot Ion:117 Resp: 109178

Ion Ratio Lower Upper

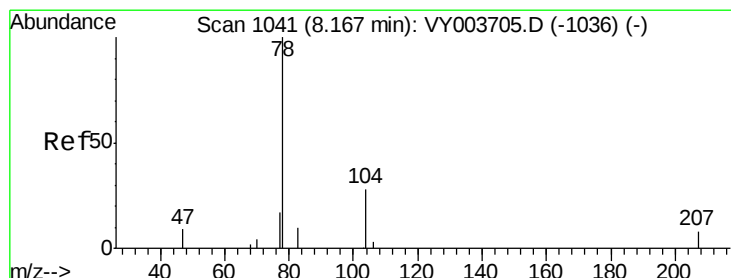
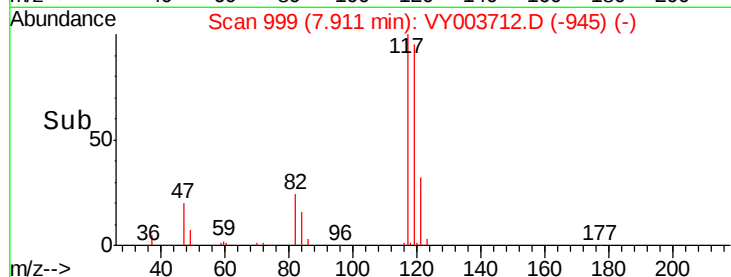
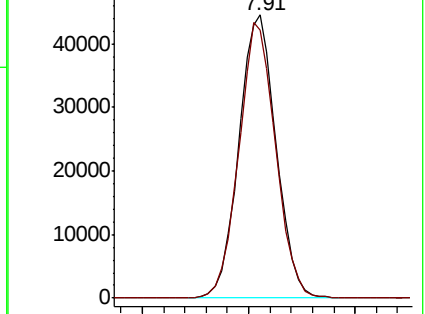
117 100

119 95.8 75.4 113.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.257 ug/L

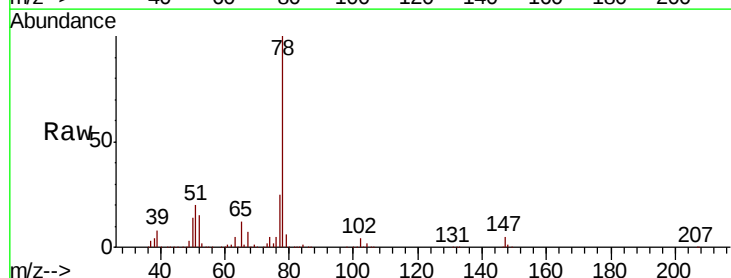
RT: 8.17 min Scan# 1041

Delta R.T. -0.01 min

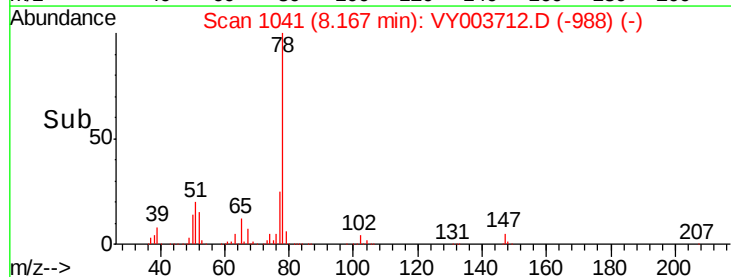
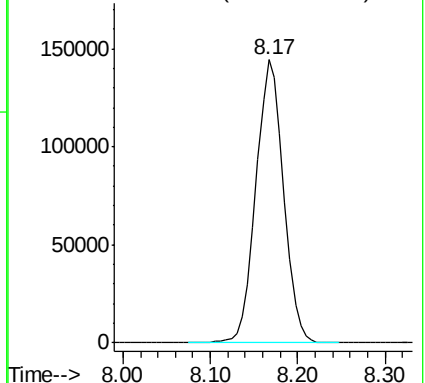
Lab File: VY003712.D

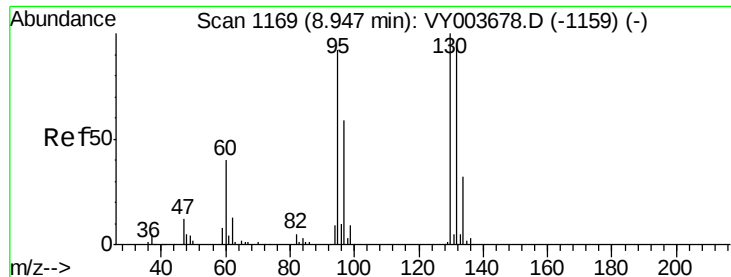
Acq: 10 Dec 2020 11:34

Tgt Ion: 78 Resp: 315911



Abundance Ion 78.00 (77.70 to 78.70): VY0

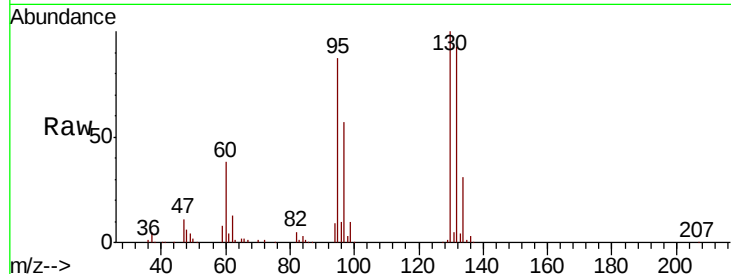




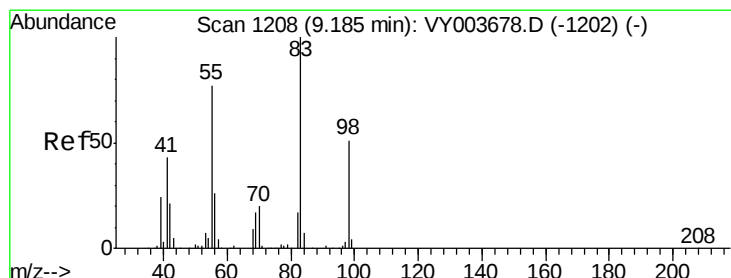
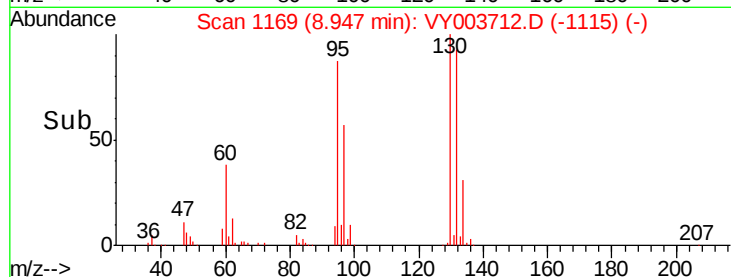
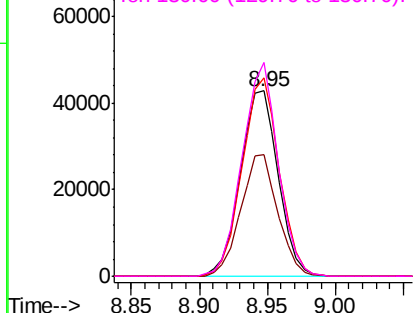
#35
 Trichloroethene
 Concen: 24.322 ug/L
 RT: 8.95 min Scan# 1169
 Delta R.T. 0.00 min
 Lab File: VY003712.D
 Acq: 10 Dec 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02592

Tot Ion	95	Resp	83523
Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.8	85.0
132	105.2	74.2	137.8
130	110.1	76.2	141.6

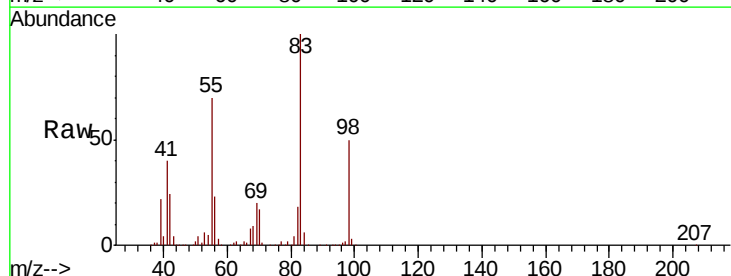


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

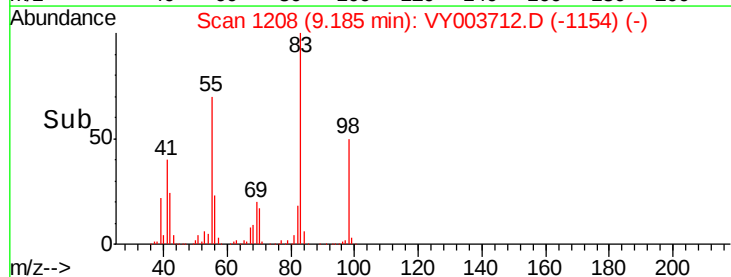
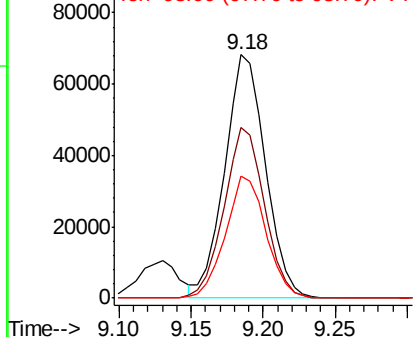


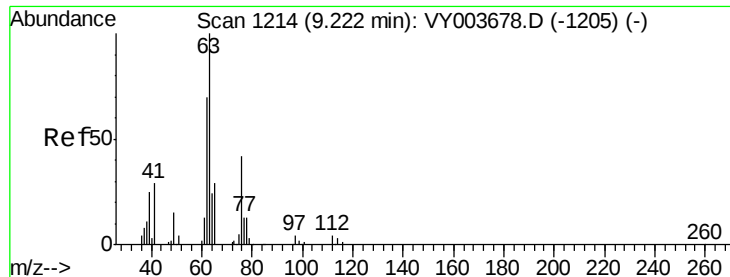
#36
 Methylcyclohexane
 Concen: 25.622 ug/L
 RT: 9.18 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VY003712.D
 Acq: 10 Dec 2020 11:34

Tgt Ion	83	Resp	134840
Ion	Ratio	Lower	Upper
83	100		
55	69.5	56.4	84.6
98	50.2	40.3	60.5



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





#40

1,2-Dichloropropane

Concen: 25.202 ug/L

RT: 9.22 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

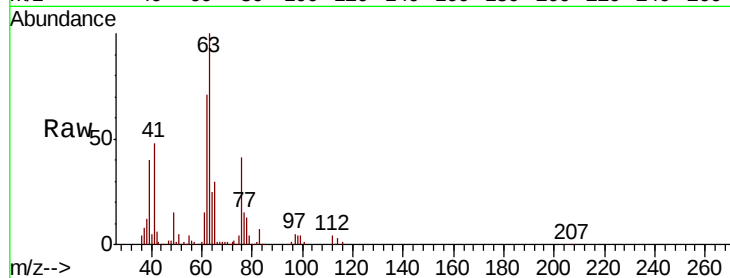
VSTD02592

Tot Ion: 63 Resp: 79058

Ion Ratio Lower Upper

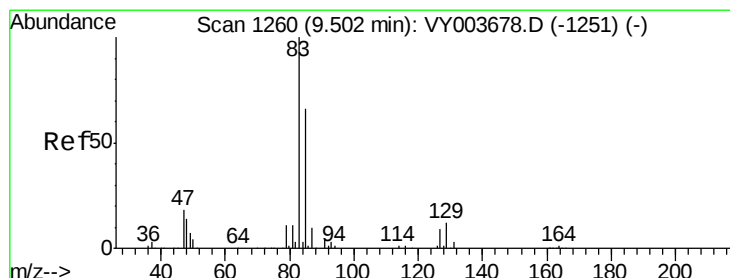
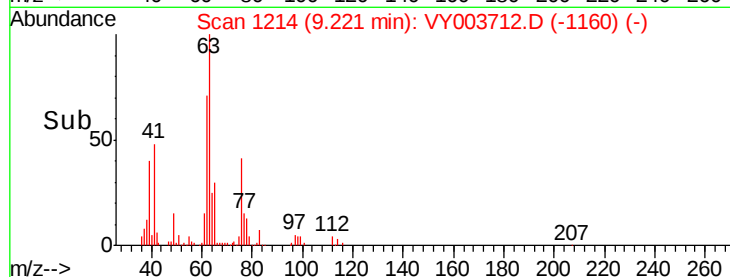
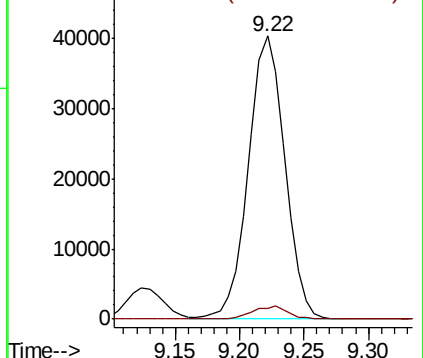
63 100

112 4.5 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: 25.433 ug/L

RT: 9.50 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

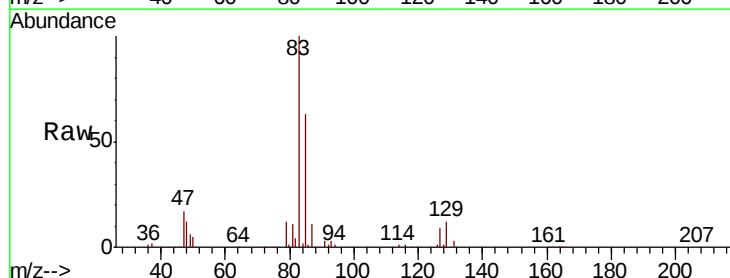
Tgt Ion: 83 Resp: 101368

Ion Ratio Lower Upper

83 100

85 63.4 44.0 81.6

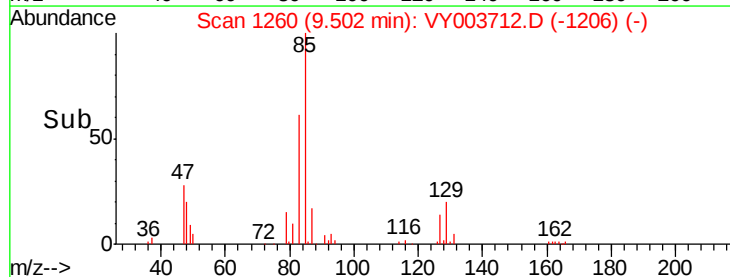
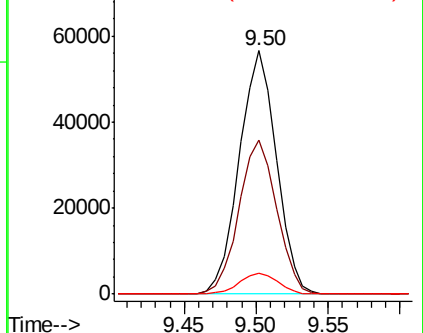
127 8.7 7.2 10.8

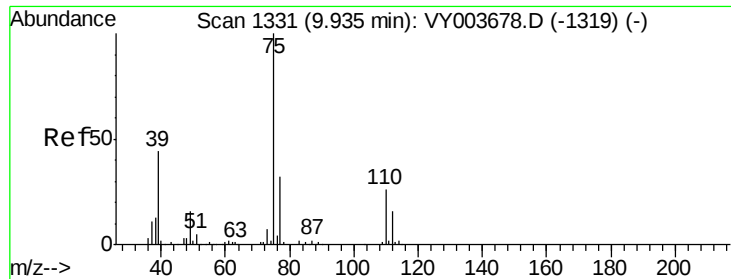


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V



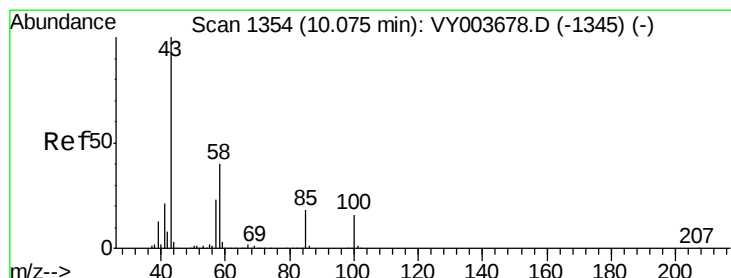
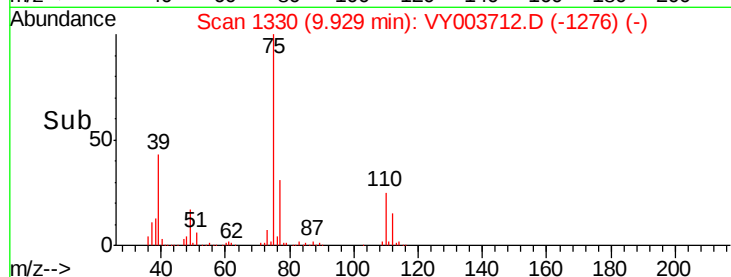
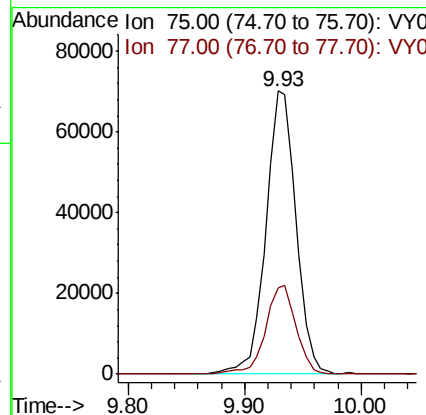
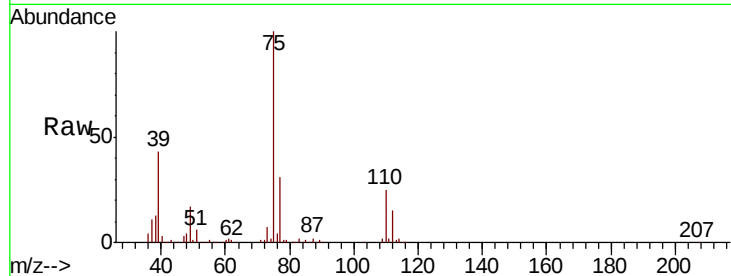


#42

cis-1,3-Dichloropropene
 Concen: 25.581 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003712.D
 Acq: 10 Dec 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02592

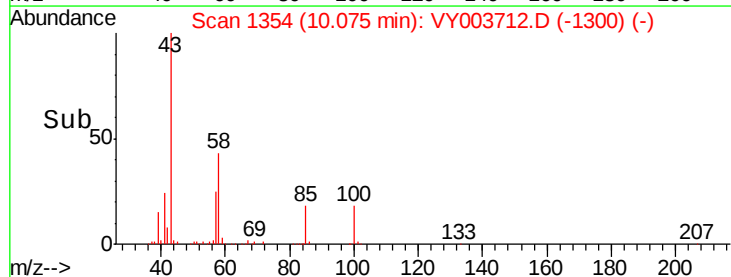
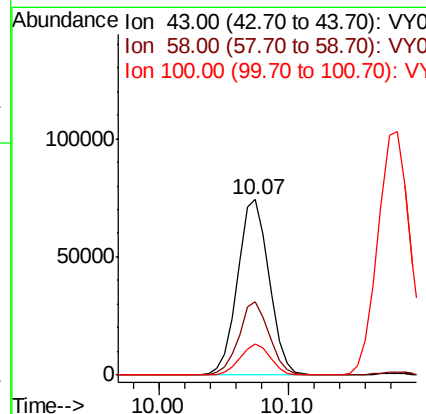
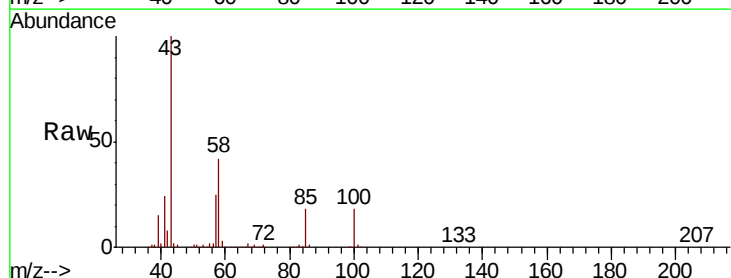
Tot Ion: 75 Resp: 126314
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.3 39.6

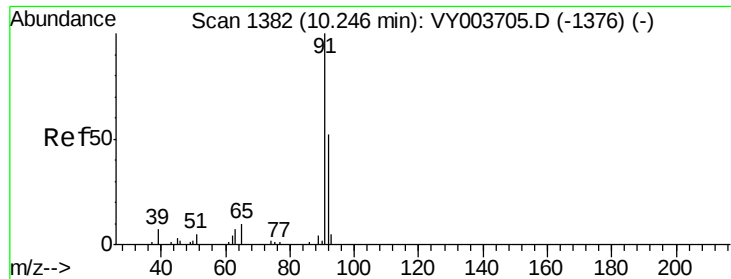


#43

4-Methyl-2-pentanone
 Concen: 42.874 ug/L
 RT: 10.07 min Scan# 1354
 Delta R.T. 0.00 min
 Lab File: VY003712.D
 Acq: 10 Dec 2020 11:34

Tgt Ion: 43 Resp: 126335
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.5 47.3
 100 17.0 12.7 19.1





#44

Toluene

Concen: 26.177 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

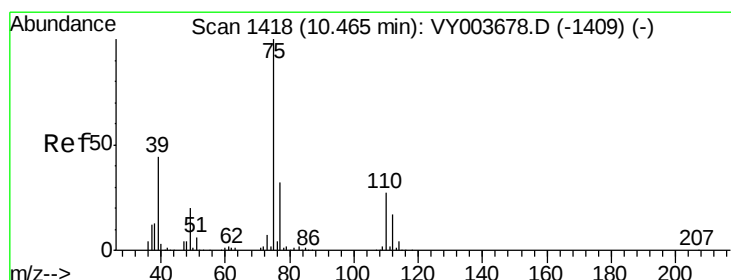
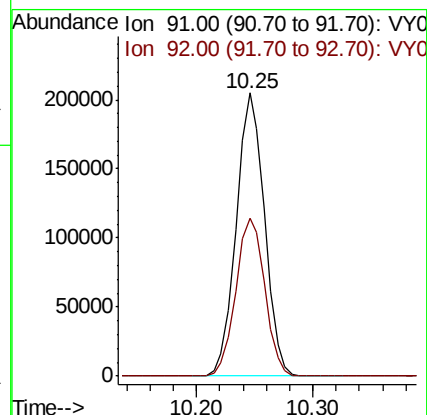
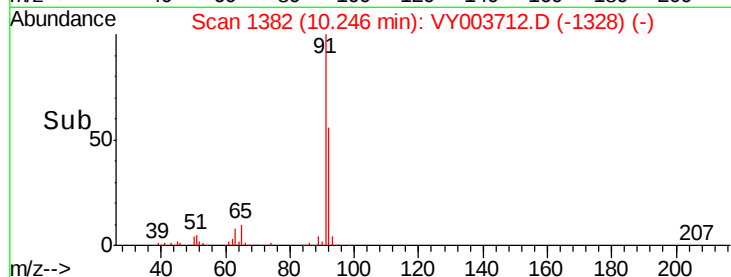
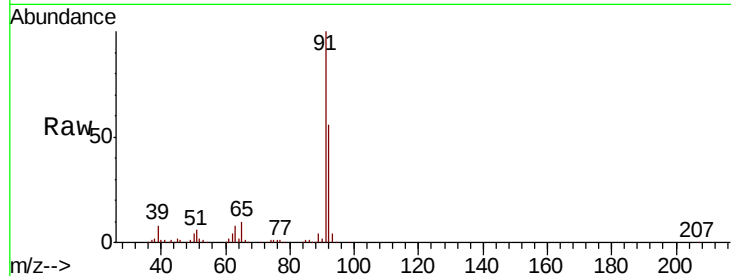
VSTD02592

Tot Ion: 91 Resp: 345378

Ion Ratio Lower Upper

91 100

92 55.8 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 25.244 ug/L

RT: 10.47 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VY003712.D

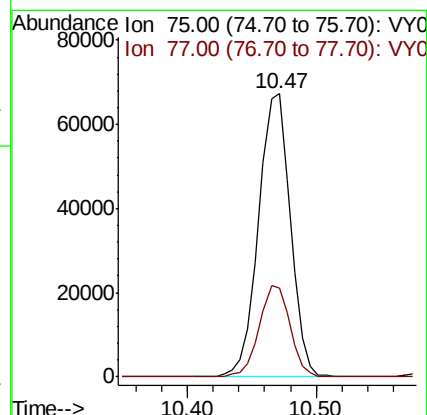
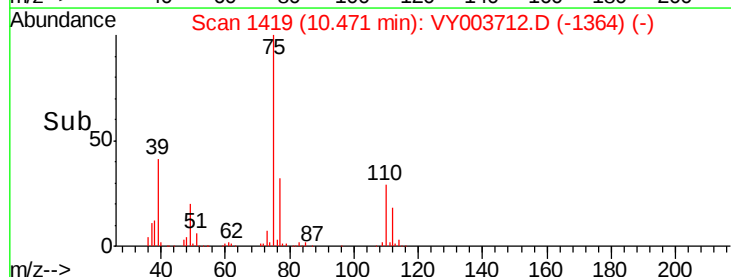
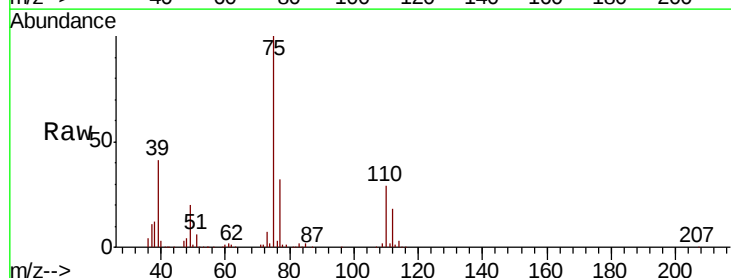
Acq: 10 Dec 2020 11:34

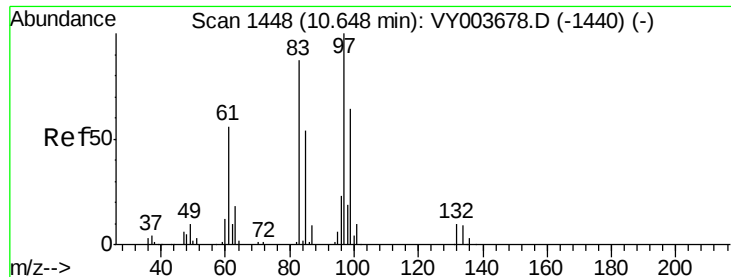
Tgt Ion: 75 Resp: 114892

Ion Ratio Lower Upper

75 100

77 31.6 22.0 40.8

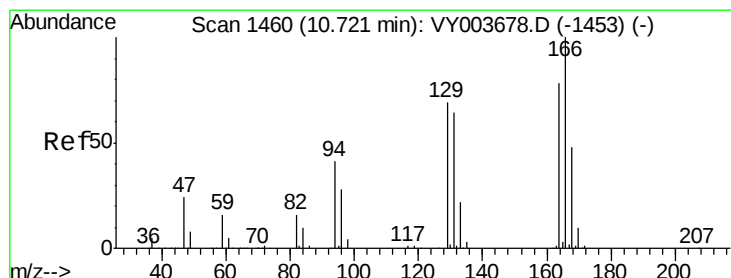
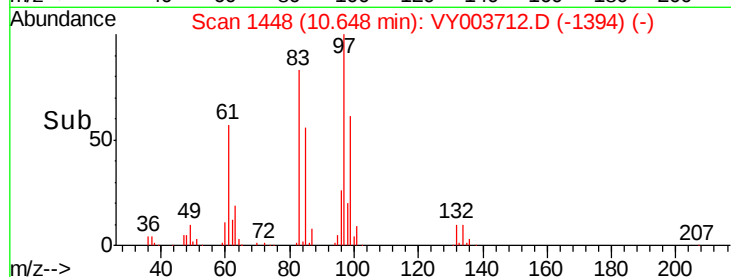
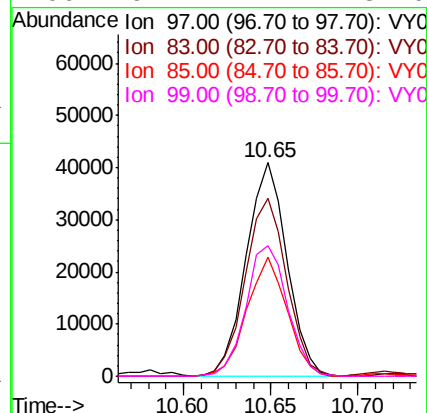
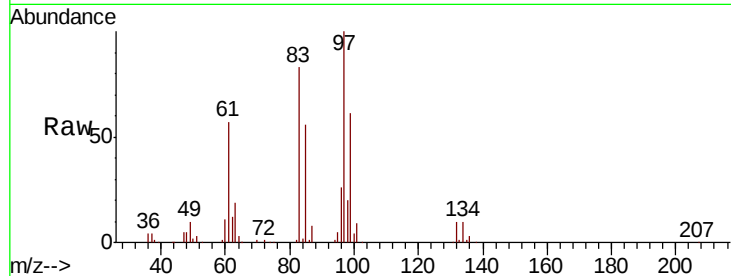




#46
1,1,2-Trichloroethane
Concen: 24.585 ug/L
RT: 10.65 min Scan# 1448
Delta R.T. 0.00 min
Lab File: VY003712.D
Acq: 10 Dec 2020 11:34

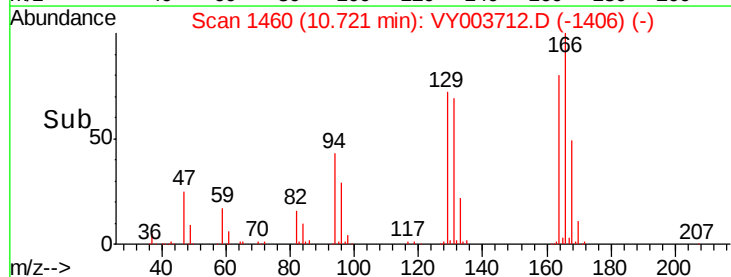
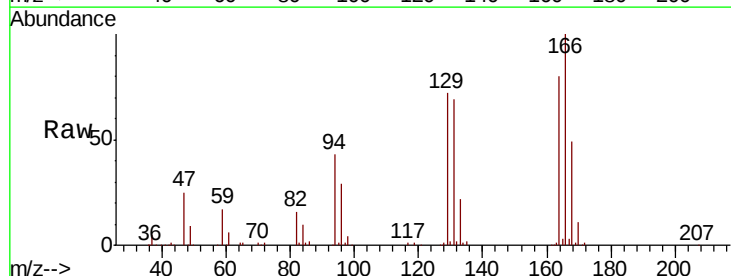
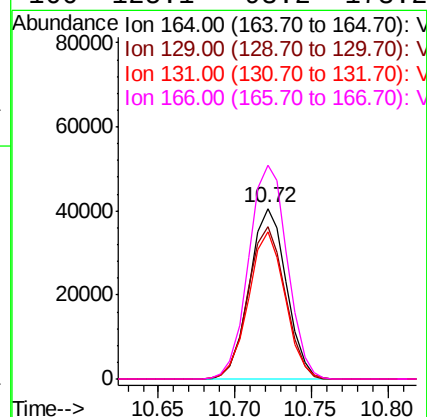
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02592

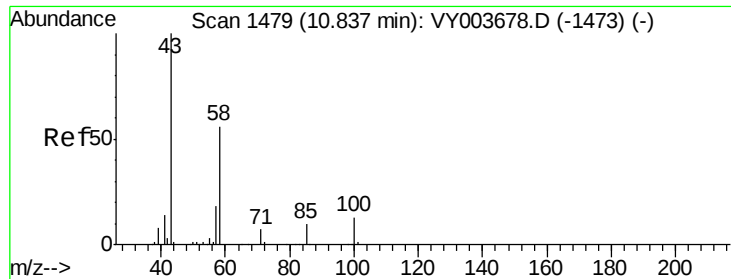
Tot Ion: 97 Resp: 66493
Ion Ratio Lower Upper
97 100
83 83.1 59.6 110.8
85 55.5 40.2 74.6
99 61.2 44.7 82.9



#47
Tetrachloroethene
Concen: 25.561 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. 0.00 min
Lab File: VY003712.D
Acq: 10 Dec 2020 11:34

Tgt Ion: 164 Resp: 68360
Ion Ratio Lower Upper
164 100
129 89.5 59.6 110.6
131 86.5 57.9 107.5
166 125.1 93.2 173.2

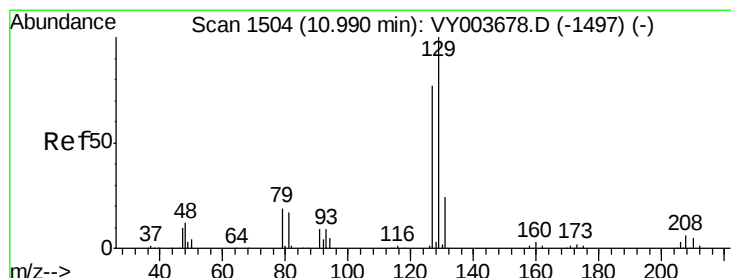
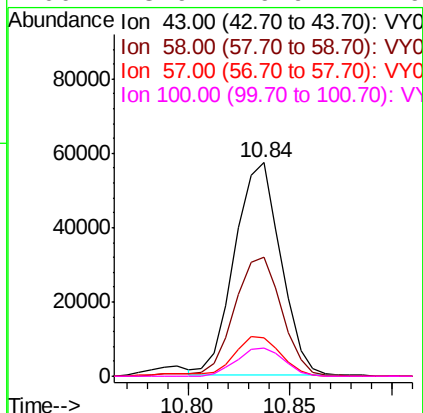
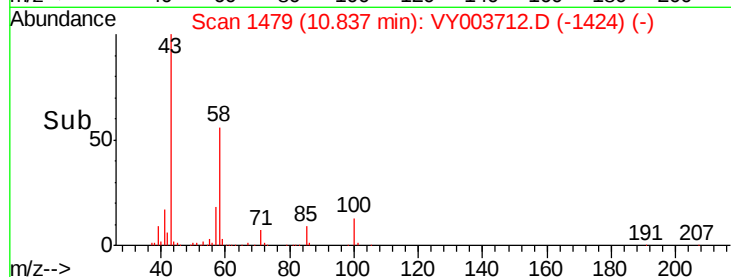
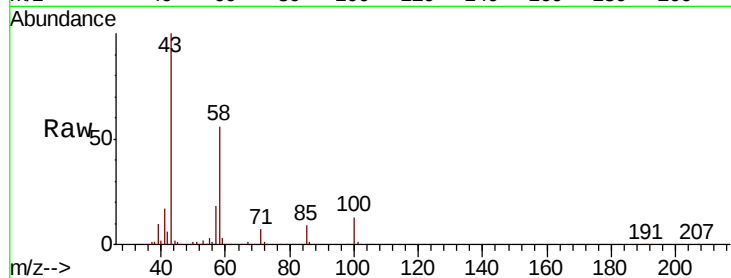




#49
2-Hexanone
Concen: 43.650 ug/L
RT: 10.84 min Scan# 1479
Delta R.T. 0.01 min
Lab File: VY003712.D
Acq: 10 Dec 2020 11:34

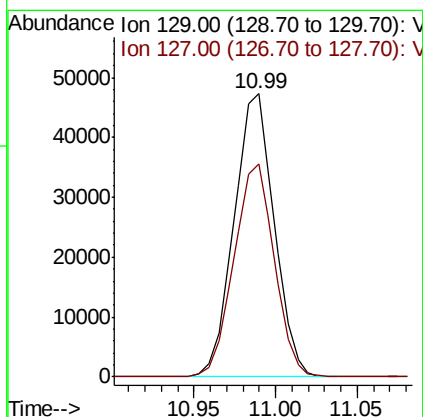
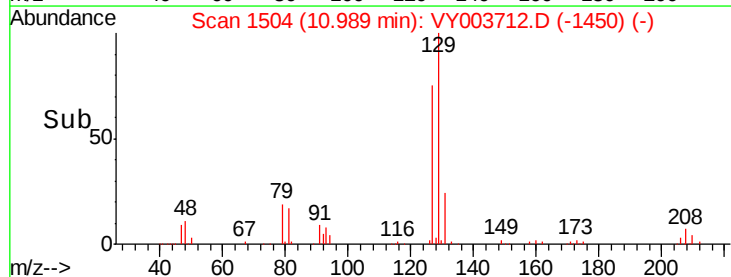
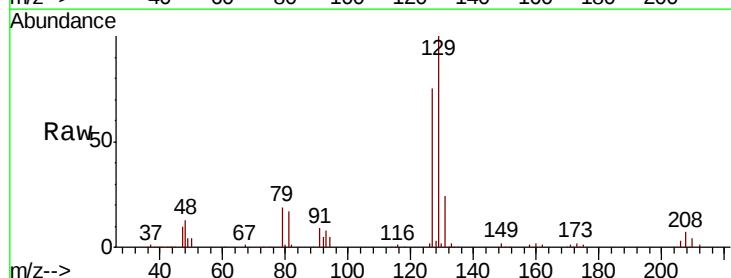
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02592

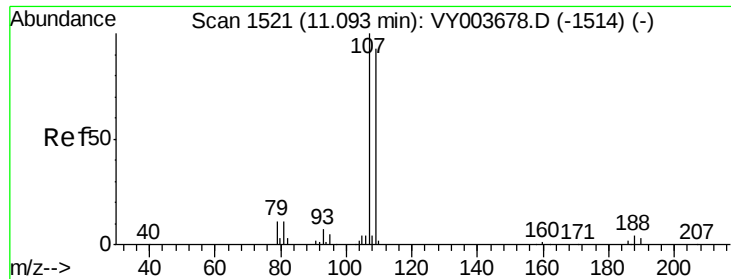
Tot Ion: 43 Resp: 90394
Ion Ratio Lower Upper
43 100
58 56.9 44.8 67.2
57 18.8 14.8 22.2
100 13.9 9.9 14.9



#50
Dibromochloromethane
Concen: 25.599 ug/L
RT: 10.99 min Scan# 1504
Delta R.T. 0.00 min
Lab File: VY003712.D
Acq: 10 Dec 2020 11:34

Tgt Ion: 129 Resp: 81027
Ion Ratio Lower Upper
129 100
127 75.3 54.8 101.8





#51

1,2-Dibromoethane

Concen: 24.977 ug/L

RT: 11.09 min Scan# 1521

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02592

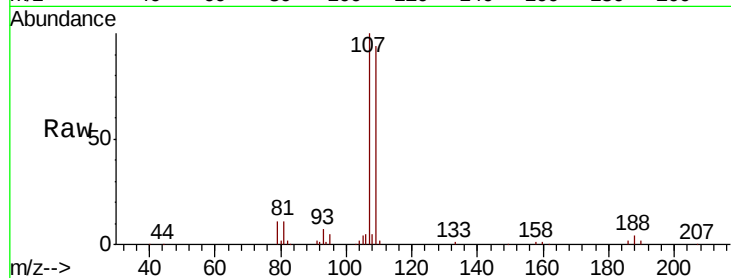
Tot Ion:107 Resp: 65367

Ion Ratio Lower Upper

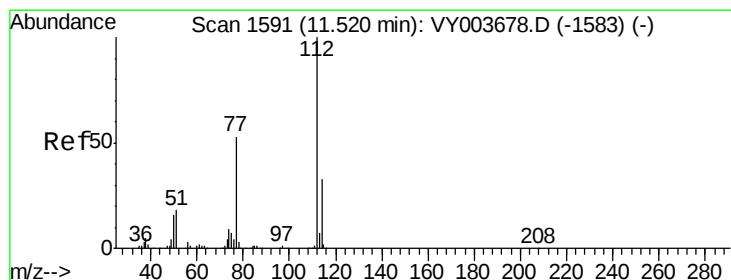
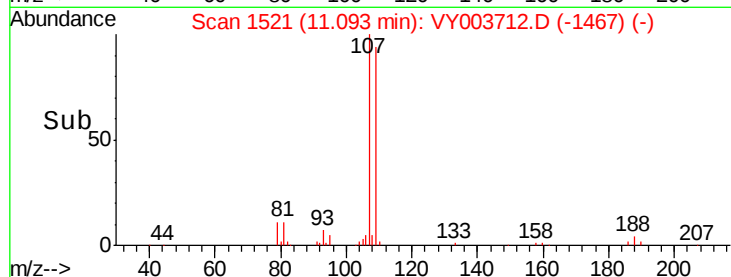
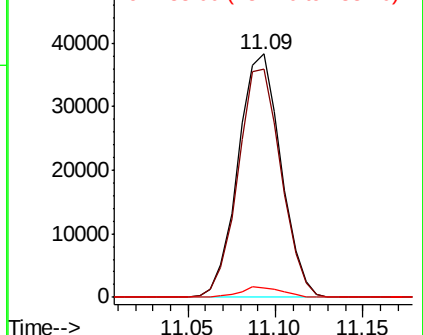
107 100

109 93.6 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: 25.779 ug/L

RT: 11.52 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

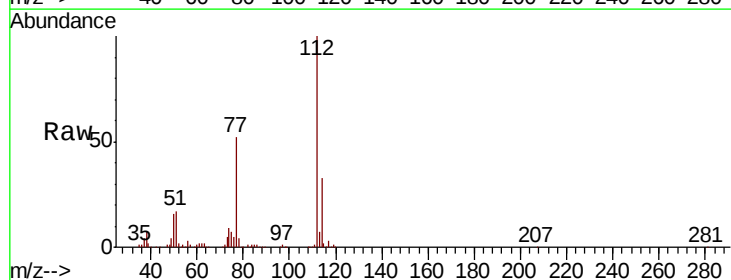
Tgt Ion:112 Resp: 223844

Ion Ratio Lower Upper

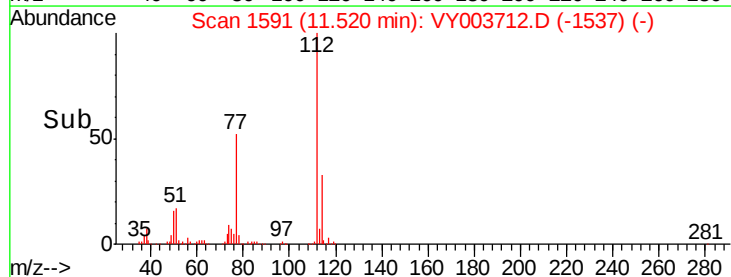
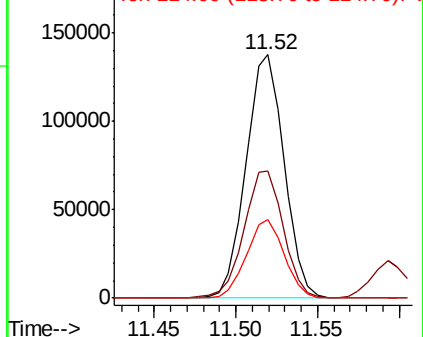
112 100

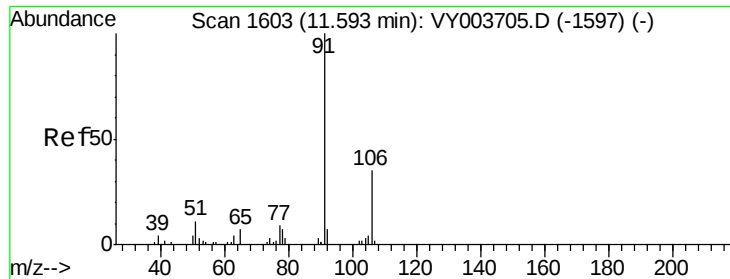
77 52.4 44.4 66.6

114 32.5 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

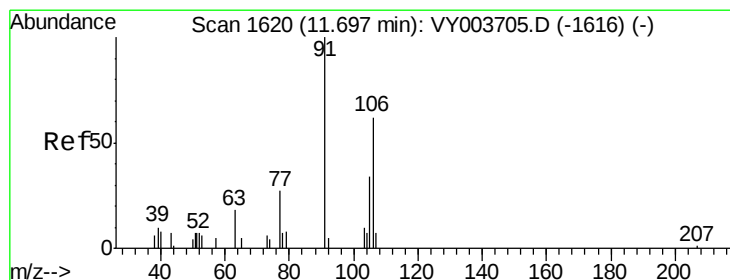
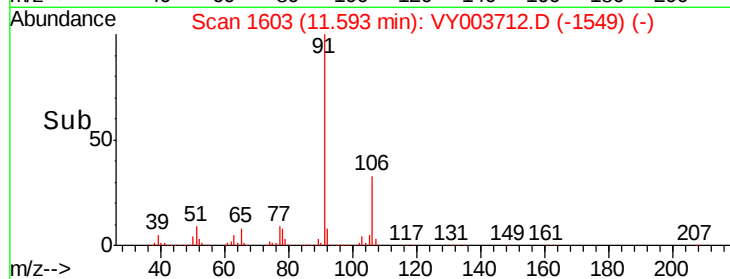
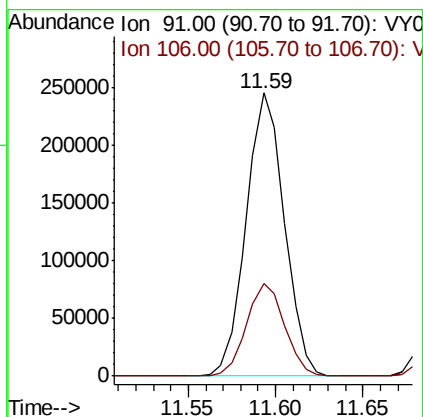
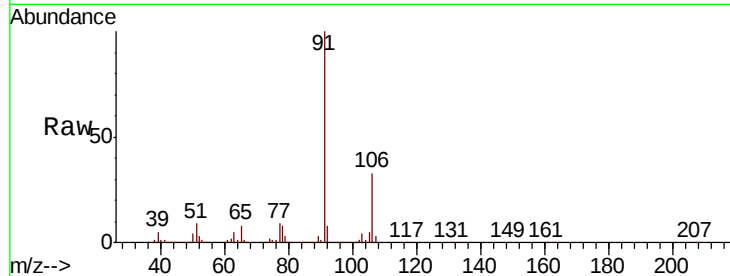




#53
Ethylbenzene
Concen: 25.883 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY003712.D
Acq: 10 Dec 2020 11:34

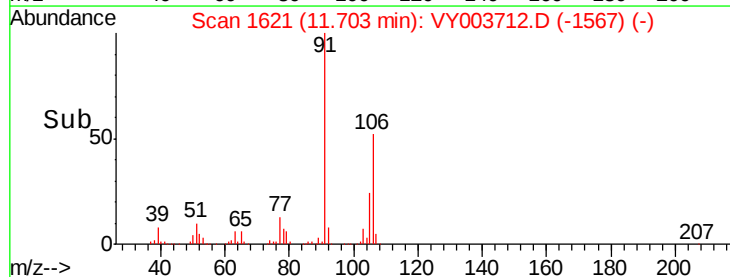
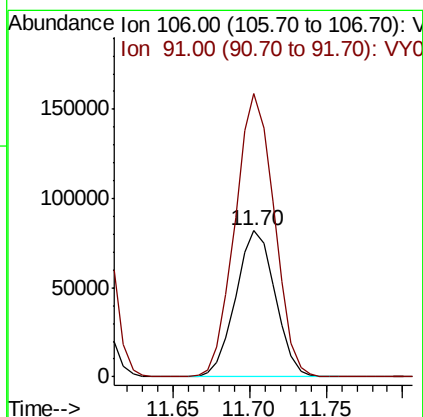
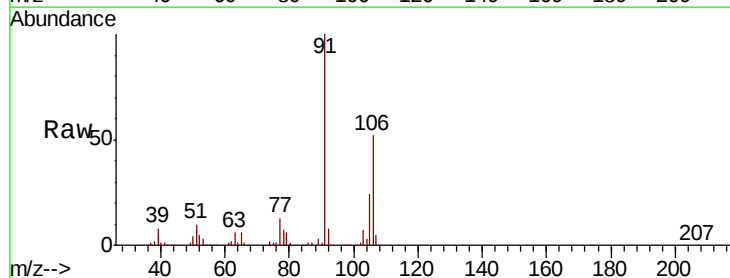
Instrument :
MSVOA_Y
ClientSampled :
VSTD02592

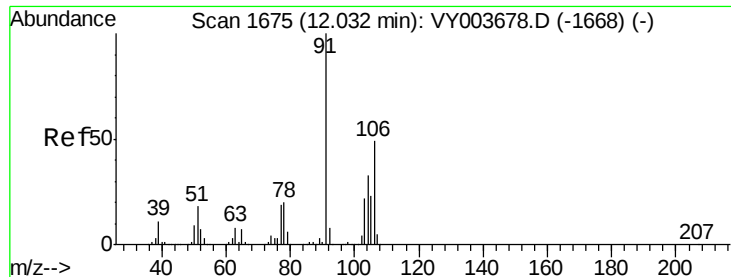
Tot Ion: 91 Resp: 372698
Ion Ratio Lower Upper
91 100
106 32.6 23.3 43.3



#54
m,p-Xylene
Concen: 26.398 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VY003712.D
Acq: 10 Dec 2020 11:34

Tgt Ion: 106 Resp: 146641
Ion Ratio Lower Upper
106 100
91 194.1 131.3 243.9





#55

o-xylene

Concen: 26.479 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

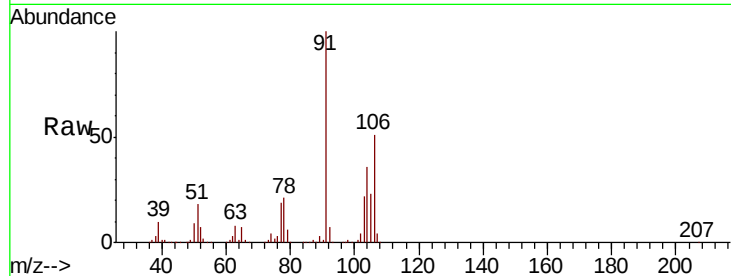
VSTD02592

Tot Ion:106 Resp: 141116

Ion Ratio Lower Upper

106 100

91 196.6 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

200000

150000

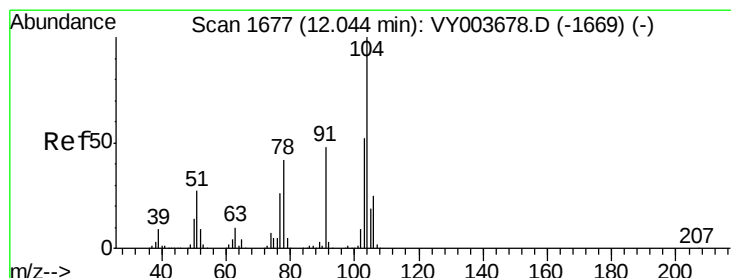
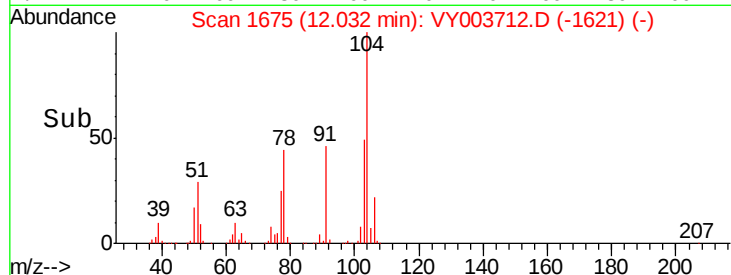
100000

50000

0

12.03

Time--> 11.95 12.00 12.05 12.10



#56

Styrene

Concen: 26.880 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VY003712.D

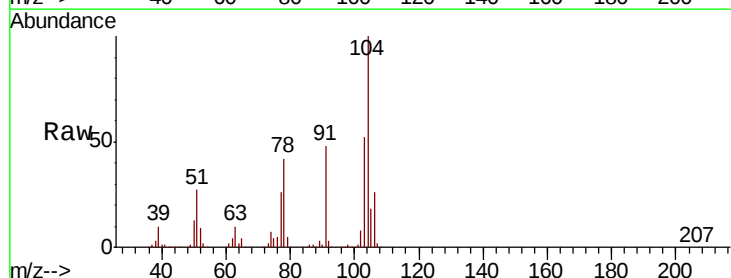
Acq: 10 Dec 2020 11:34

Tgt Ion:104 Resp: 245182

Ion Ratio Lower Upper

104 100

78 42.2 28.1 52.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

150000

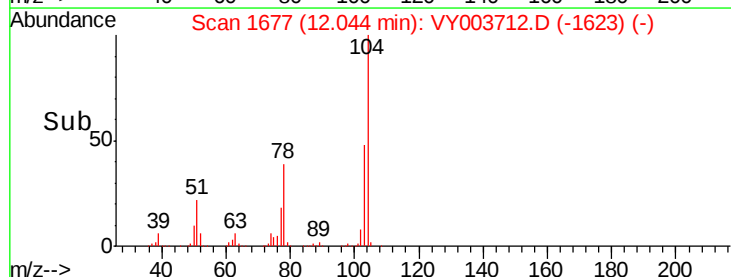
100000

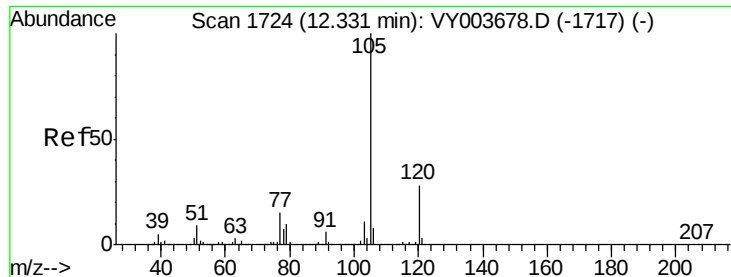
50000

0

12.04

Time--> 11.95 12.00 12.05 12.10





#57

Isopropylbenzene

Concen: 26.594 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02592

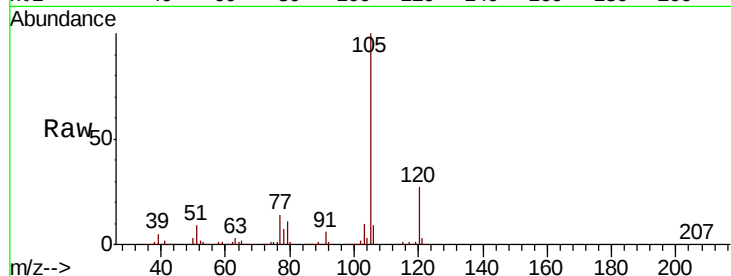
Tot Ion:105 Resp: 370549

Ion Ratio Lower Upper

105 100

120 27.6 22.3 33.5

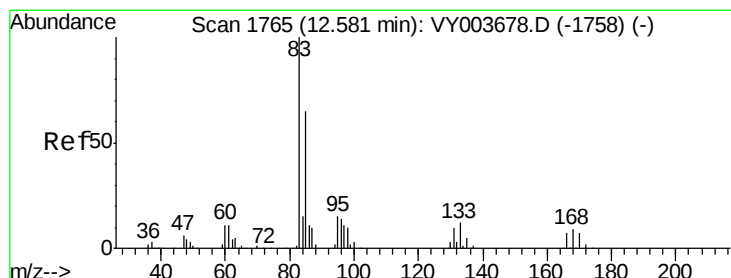
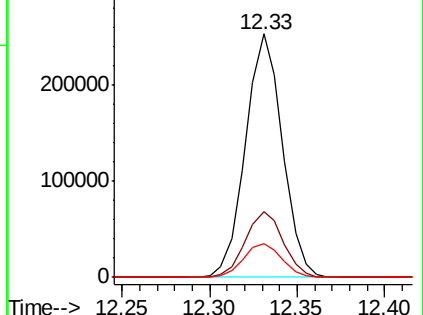
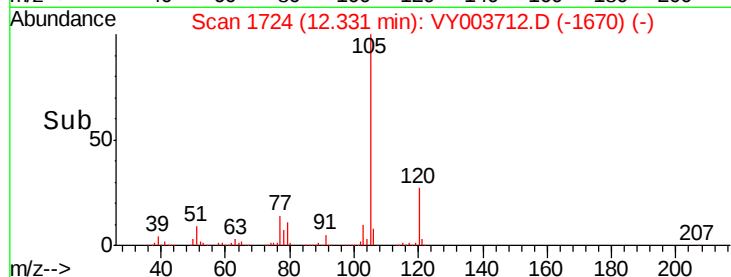
77 14.4 11.9 17.9



Abundance Ion 105.00 (104.70 to 105.70): VY003712.D (-1712) (-)

Ion 120.00 (119.70 to 120.70): VY003712.D (-1712) (-)

Ion 77.00 (76.70 to 77.70): VY003712.D (-1712) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 26.337 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.01 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

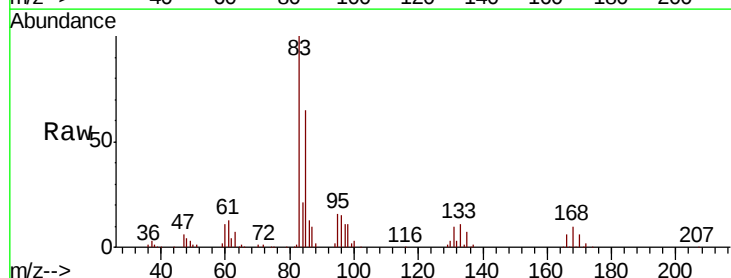
Tgt Ion: 83 Resp: 76371

Ion Ratio Lower Upper

83 100

85 65.2 47.2 87.6

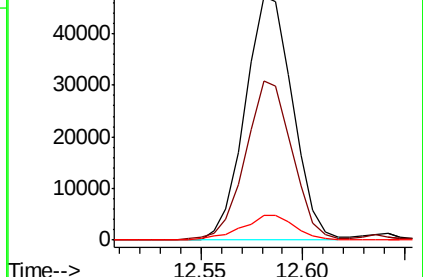
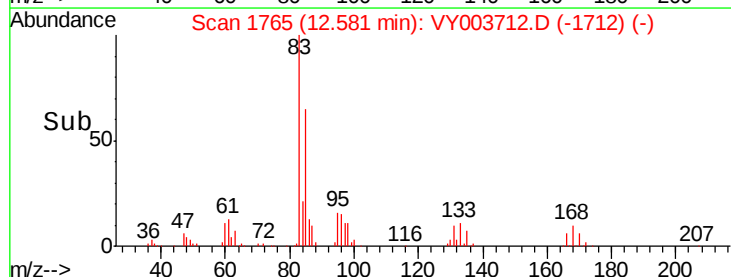
131 9.9 8.4 12.6

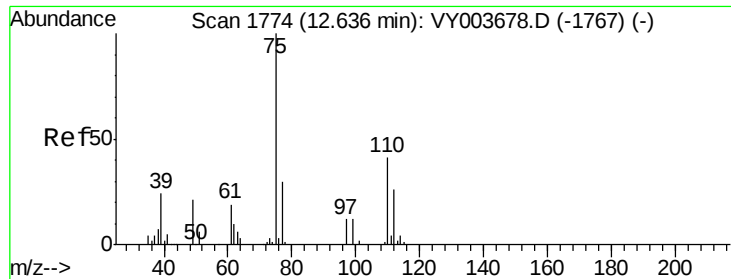


Abundance Ion 83.00 (82.70 to 83.70): VY003712.D (-1712) (-)

Ion 85.00 (84.70 to 85.70): VY003712.D (-1712) (-)

Ion 131.00 (130.70 to 131.70): VY003712.D (-1712) (-)

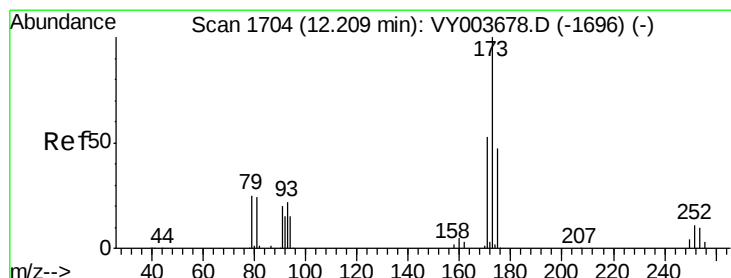
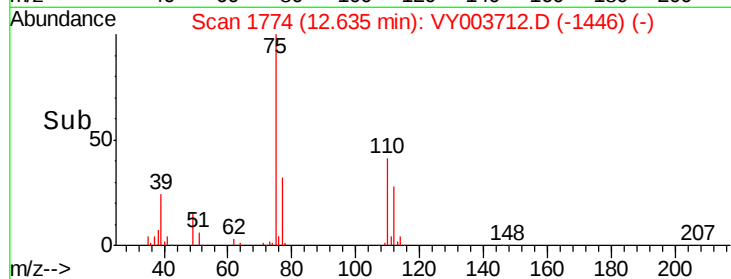
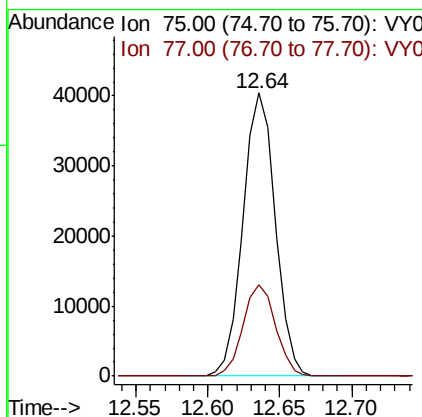
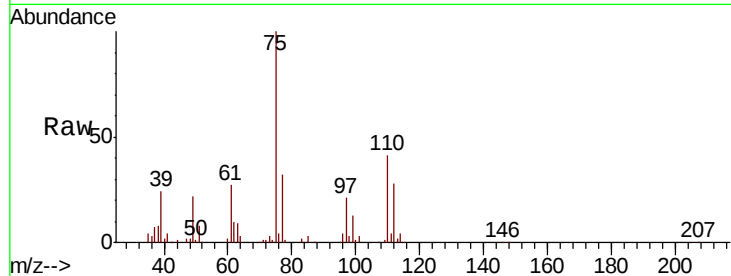




#59
 1,2,3-Trichloropropane
 Concen: 24.158 ug/L
 RT: 12.64 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VY003712.D
 Acq: 10 Dec 2020 11:34

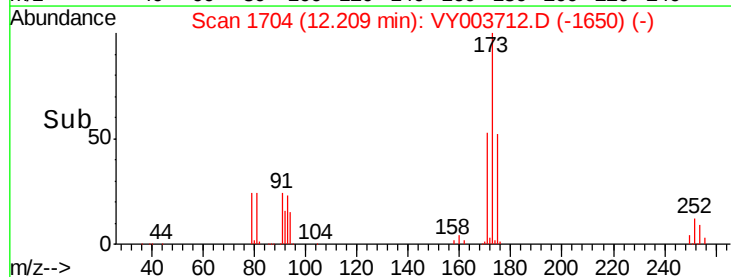
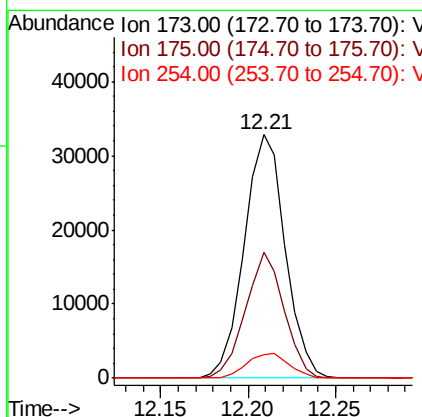
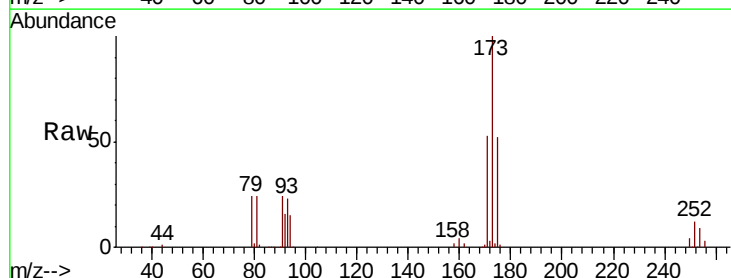
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02592

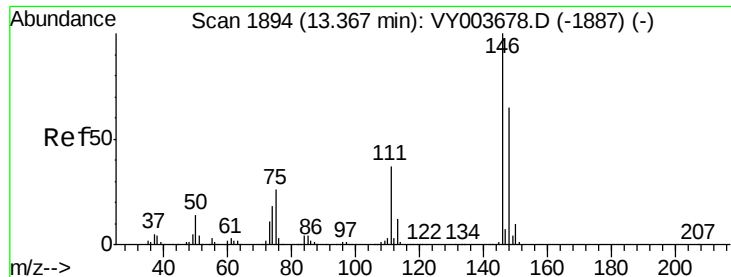
Tot Ion: 75 Resp: 62631
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.9 38.9



#62
 Bromoform
 Concen: 24.741 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VY003712.D
 Acq: 10 Dec 2020 11:34

Tgt Ion: 173 Resp: 53897
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.1 58.7
 254 10.5 7.7 11.5





#63

1,3-Dichlorobenzene

Concen: 25.910 ug/L

RT: 13.37 min Scan# 1894

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02592

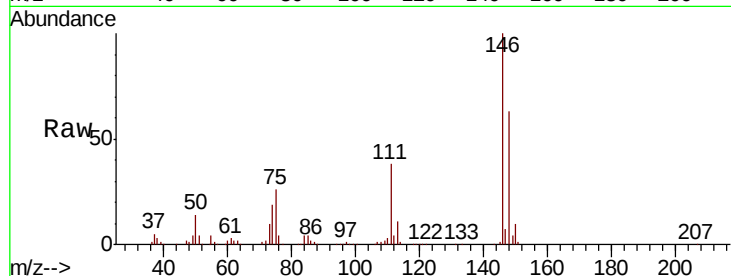
Tot Ion:146 Resp: 177815

Ion Ratio Lower Upper

146 100

111 38.3 26.0 48.4

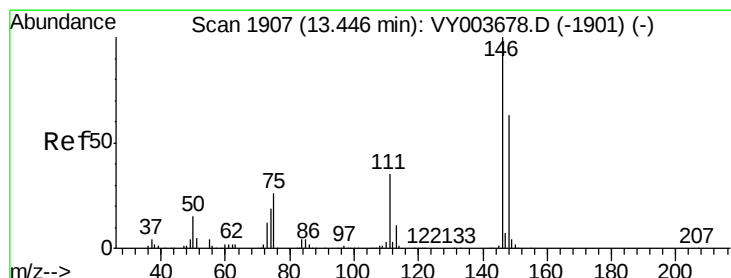
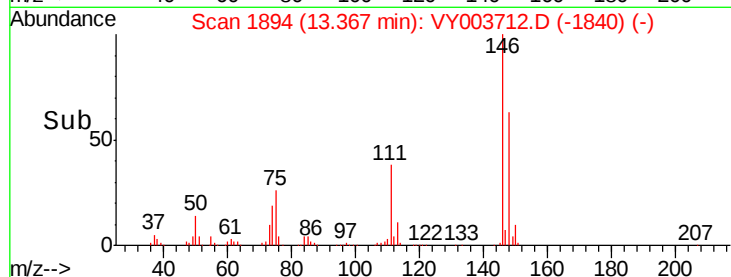
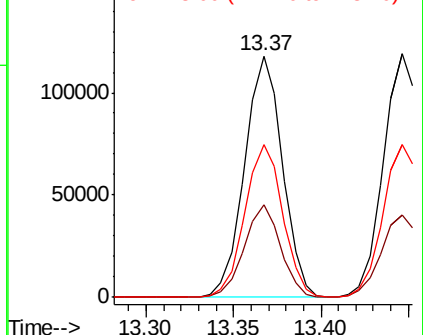
148 63.4 43.7 81.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 25.868 ug/L

RT: 13.45 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

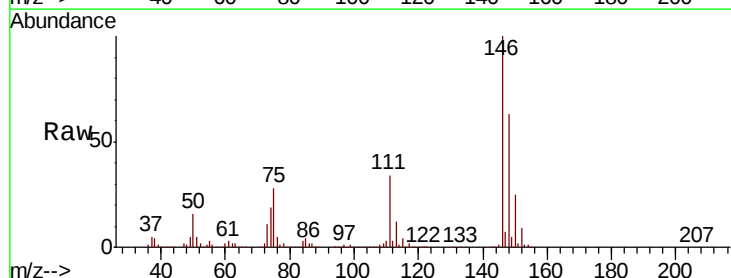
Tgt Ion:146 Resp: 180471

Ion Ratio Lower Upper

146 100

111 33.7 23.2 43.0

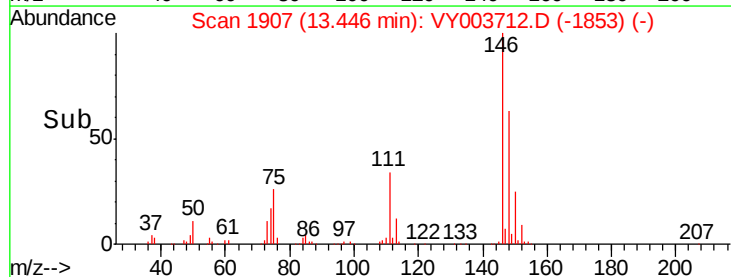
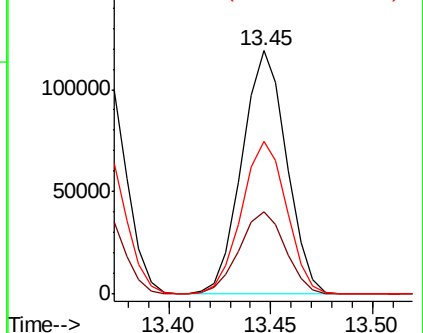
148 62.8 43.8 81.4

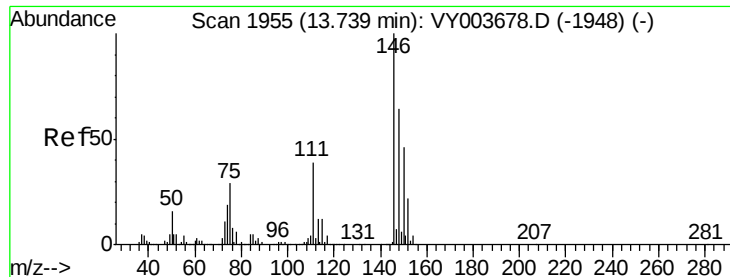


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 26.135 ug/L

RT: 13.74 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02592

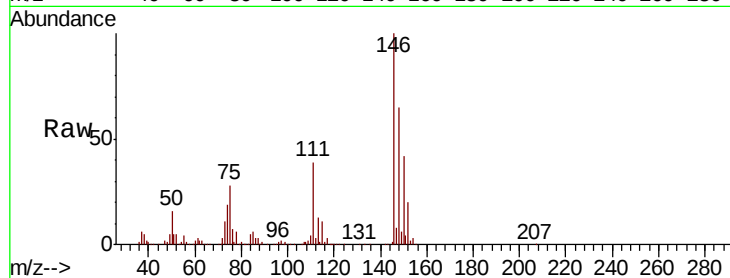
Tot Ion:146 Resp: 164547

Ion Ratio Lower Upper

146 100

111 38.9 30.0 45.0

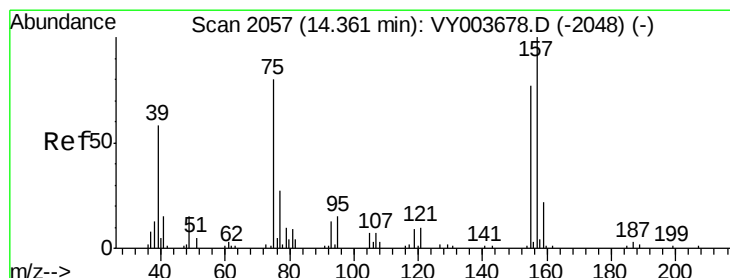
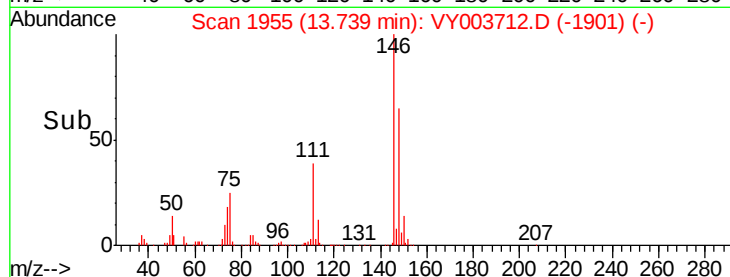
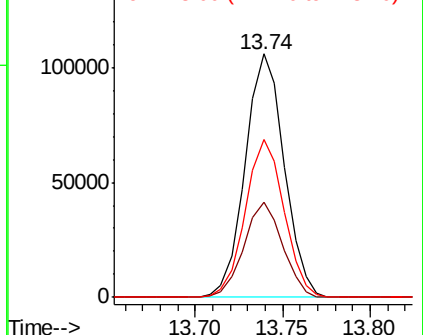
148 65.0 51.8 77.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 22.823 ug/L

RT: 14.35 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

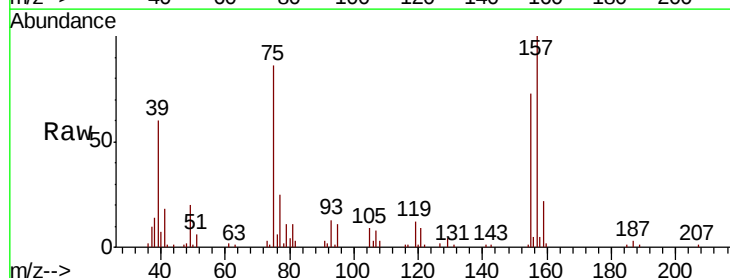
Tgt Ion: 75 Resp: 13386

Ion Ratio Lower Upper

75 100

157 115.9 101.3 151.9

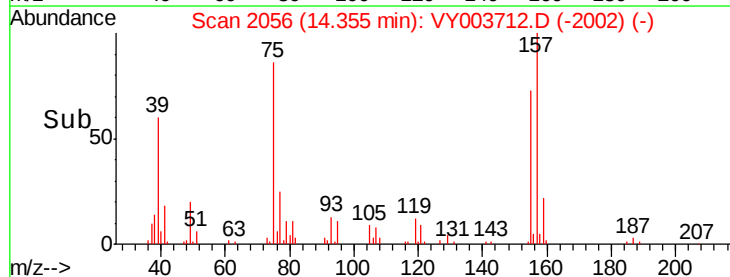
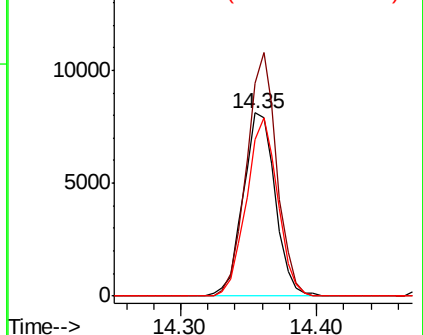
155 85.1 76.2 114.4

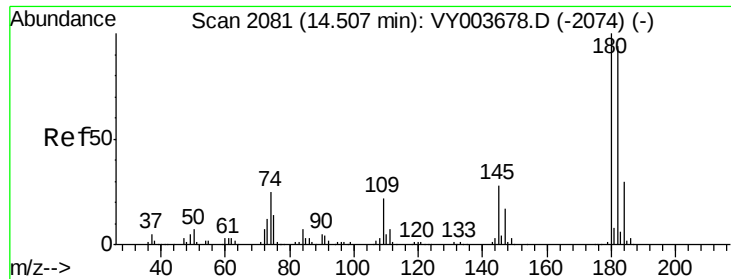


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

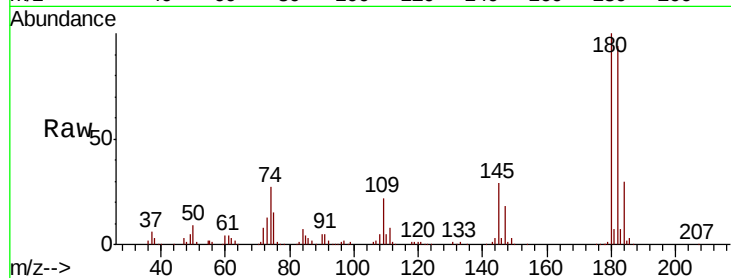




#67
 1,3,5-Trichlorobenzene
 Concen: 25.196 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003712.D
 Acq: 10 Dec 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02592

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.0	114.0
184	30.5	24.2	36.2
145	27.8	22.2	33.2



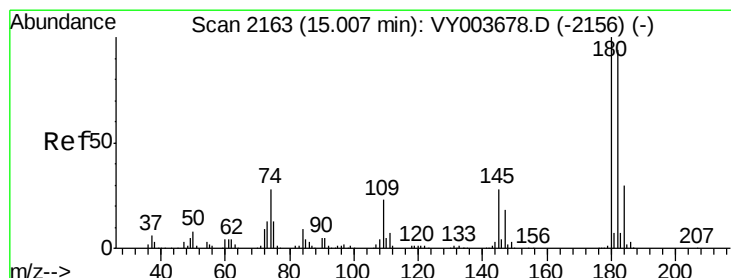
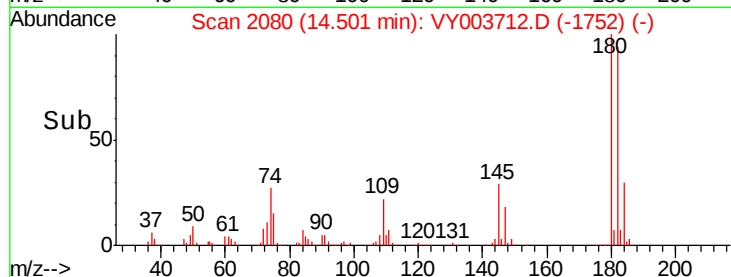
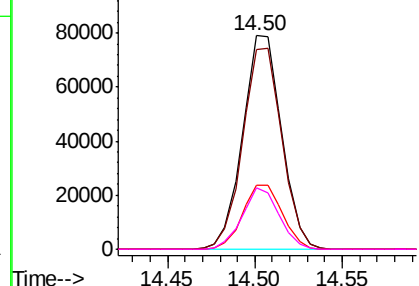
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

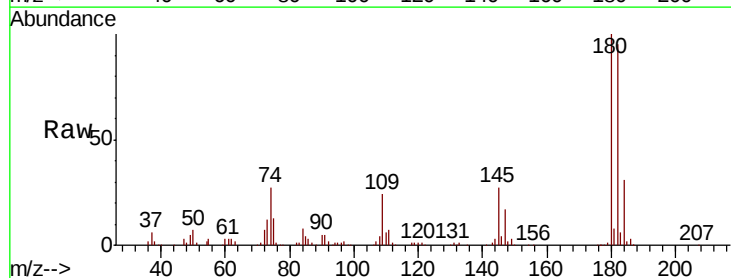
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.495 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VY003712.D
 Acq: 10 Dec 2020 11:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.5	114.7
145	27.9	22.2	33.4

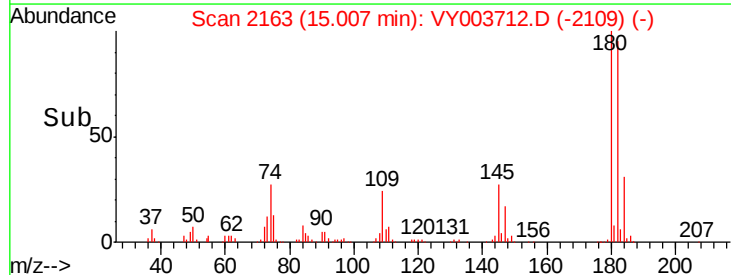
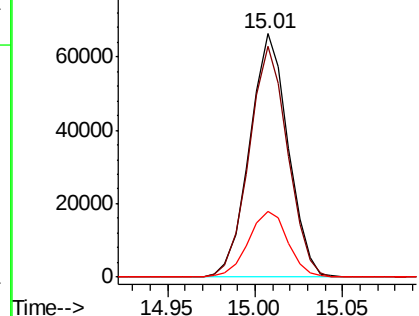


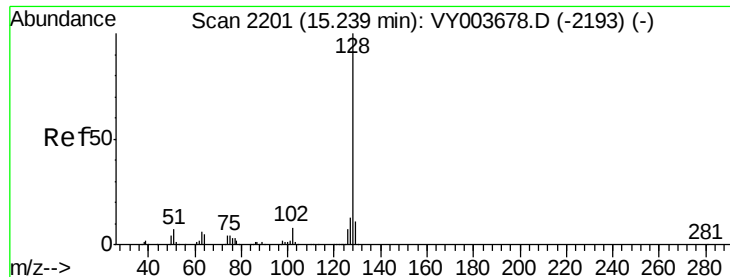
Abundance

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: 23.058 ug/L

RT: 15.24 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02592

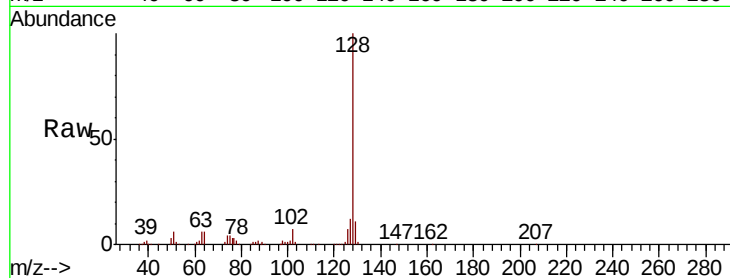
Tot Ion:128 Resp: 200171

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

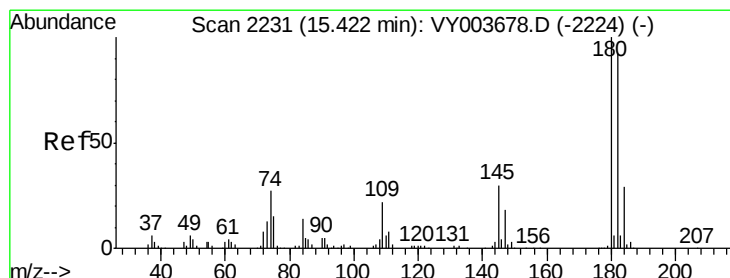
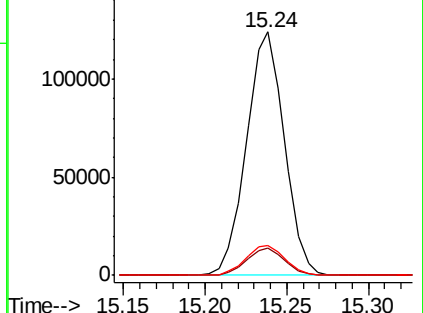
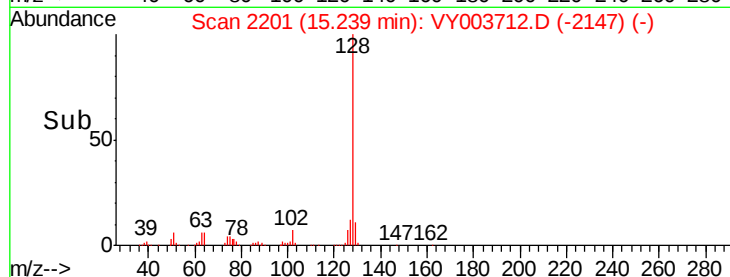
127 12.7 10.2 15.4



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: 24.562 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. 0.00 min

Lab File: VY003712.D

Acq: 10 Dec 2020 11:34

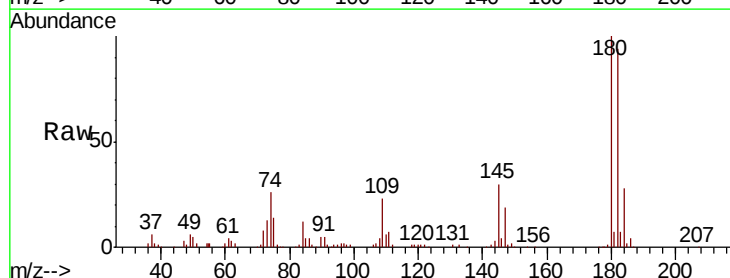
Tgt Ion:180 Resp: 92865

Ion Ratio Lower Upper

180 100

182 92.6 76.9 115.3

145 29.8 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

