

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112520\
 Data File : VY003618.D
 Acq On : 25 Nov 2020 12:27
 Operator : SY/MD
 Sample : VSTD2.534
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

Quant Time: Nov 26 04:41:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLEM112520SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 26 04:40:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	237404	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	220455	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	110330	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	9776	2.87	ug/L	0.00
7) Chloroethane-d5	2.77	69	7696	2.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	16904	2.57	ug/L	0.00
21) 2-Butanone-d5	6.90	46	3330	2.60	ug/L	0.00
24) Chloroform-d	7.49	84	16251	2.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	8795	2.52	ug/L	0.00
32) Benzene-d6	8.12	84	33390	2.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	10048	2.61	ug/L	0.00
41) Toluene-d8	10.18	98	28147	2.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	4530	2.43	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	3938	4.11	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	9852	2.56	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	10665	2.67	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	7089	2.499 ug/L	95
3) Chloromethane	2.11	50	8868	2.740 ug/L	99
5) Vinyl chloride	2.26	62	8504	2.460 ug/L	98
6) Bromomethane	2.66	94	5403	2.357 ug/L	91
8) Chloroethane	2.80	64	5223	2.528 ug/L	98
9) Trichlorofluoromethane	3.13	101	13266	2.538 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	8117	2.478 ug/L #	82
12) 1,1-Dichloroethene	3.88	96	7542	2.445 ug/L #	75
13) Acetone	3.97	43	5487	5.266 ug/L	78
14) Carbon disulfide	4.21	76	26572	2.529 ug/L	99
16) Methylene chloride	4.73	84	20327	4.296 ug/L	94
17) trans-1,2-Dichloroethene	5.23	96	7499	2.242 ug/L	95
18) Methyl tert-butyl Ether	5.23	73	19381	2.352 ug/L #	82
19) 1,1-Dichloroethane	6.03	63	14009	2.407 ug/L	98
20) cis-1,2-Dichloroethene	7.00	96	8439	2.360 ug/L	99
22) 2-Butanone	7.01	43	8479	5.383 ug/L	94
23) Bromochloromethane	7.35	128	4048	2.312 ug/L	89
25) Chloroform	7.51	83	14852	2.539 ug/L	93
27) 1,2-Dichloroethane	8.24	62	9714	2.500 ug/L	99
29) Cyclohexane	7.79	56	11994	2.258 ug/L #	92
30) 1,1,1-Trichloroethane	7.71	97	12512	2.394 ug/L	97
31) Carbon tetrachloride	7.90	117	12197	2.575 ug/L	95
33) Benzene	8.17	78	33842	2.499 ug/L	100
34) Trichloroethene	8.94	95	8571	2.544 ug/L	88
35) Methylcyclohexane	9.19	83	13085	2.248 ug/L	99
37) 1,2-Dichloropropane	9.22	63	8566	2.516 ug/L	99
38) Bromodichloromethane	9.50	83	10999	2.533 ug/L	96
39) cis-1,3-Dichloropropene	9.93	75	12025	2.256 ug/L	88
40) 4-Methyl-2-pentanone	10.07	43	13997	4.654 ug/L	99
42) Toluene	10.25	91	33350	2.330 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112520\
 Data File : VY003618.D
 Acq On : 25 Nov 2020 12:27
 Operator : SY/MD
 Sample : VSTD2.534
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

Quant Time: Nov 26 04:41:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL112520SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 26 04:40:31 2020
 Response via : Initial Calibration

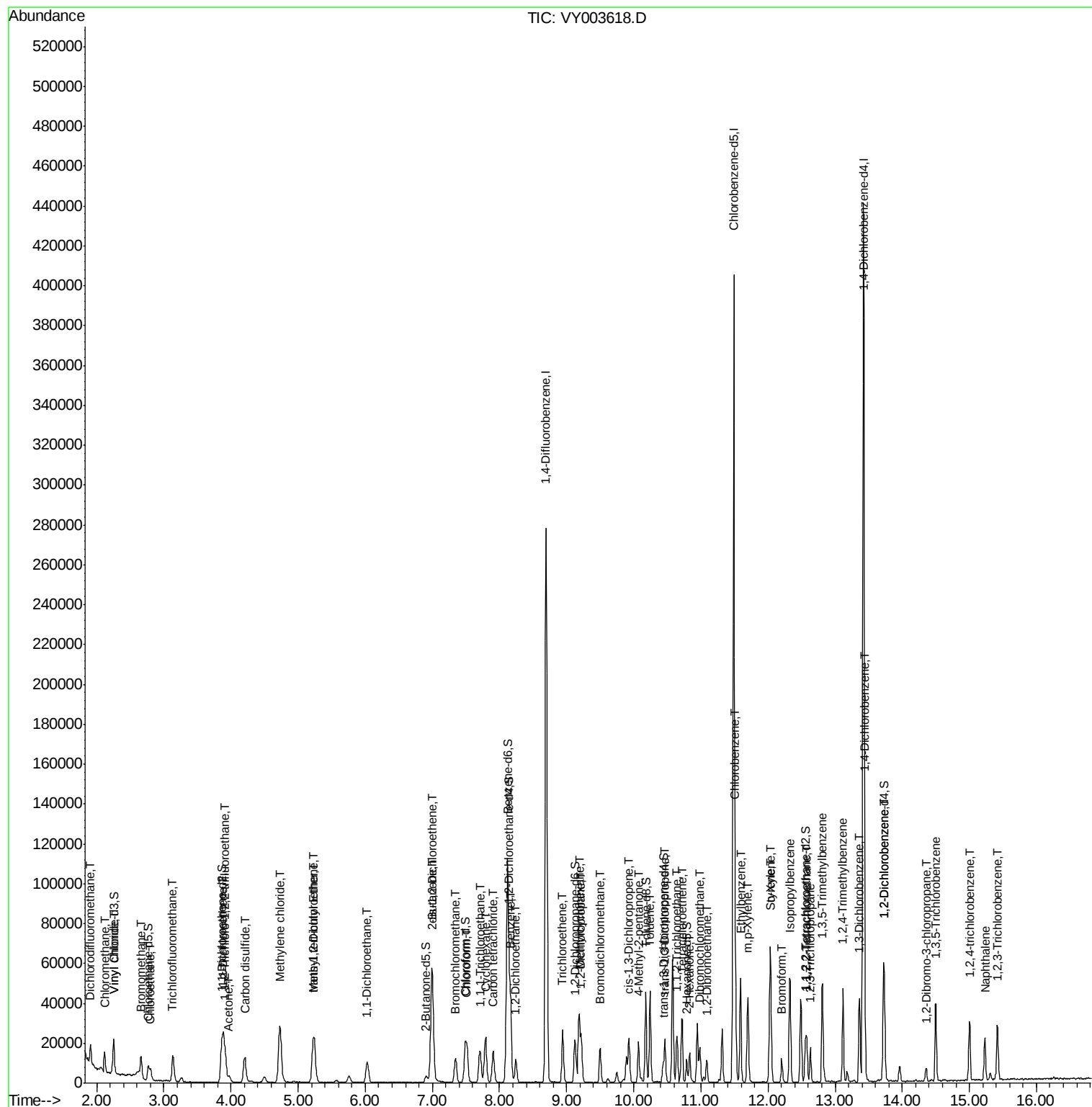
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	10.47	75	11136	2.277	ug/L	97
45) 1,1,2-Trichloroethane	10.65	97	6835	2.413	ug/L	94
46) Tetrachloroethene	10.72	164	7017	2.394	ug/L	95
48) 2-Hexanone	10.83	43	9145	4.262	ug/L	96
49) Dibromochloromethane	10.98	129	7845	2.358	ug/L	94
50) 1,2-Dibromoethane	11.09	107	6783	2.490	ug/L #	97
51) Chlorobenzene	11.51	112	23003	2.530	ug/L	97
52) Ethylbenzene	11.59	91	35948	2.338	ug/L	98
53) m,p-Xylene	11.70	106	14379	2.440	ug/L	96
54) o-Xylene	12.03	106	12548	2.237	ug/L	96
55) Styrene	12.04	104	21022	2.187	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.58	83	9076	2.426	ug/L	97
59) Bromoform	12.21	173	5014	2.281	ug/L #	94
60) Isopropylbenzene	12.32	105	31852	2.196	ug/L	98
61) 1,2,3-Trichloropropane	12.64	75	6591	2.499	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	24475	2.145	ug/L	100
63) 1,2,4-Trimethylbenzene	13.12	105	23369	2.085	ug/L	98
64) 1,3-Dichlorobenzene	13.36	146	17032	2.474	ug/L	94
65) 1,4-Dichlorobenzene	13.45	146	17559	2.490	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	15376	2.408	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.35	75	1620	2.703	ug/L #	68
69) 1,3,5-Trichlorobenzene	14.50	180	11340	2.381	ug/L	95
70) 1,2,4-trichlorobenzene	15.00	180	9333	2.276	ug/L	97
71) Naphthalene	15.23	128	17876	2.093	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	8892	2.364	ug/L	99

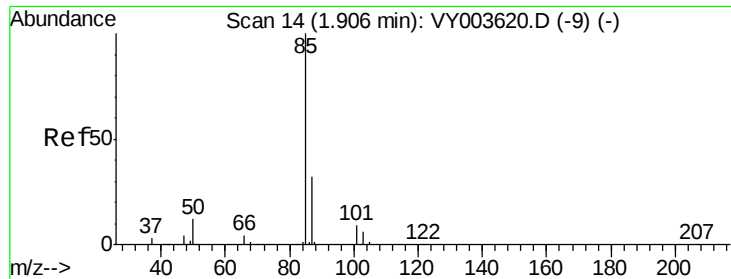
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112520\
Data File : VY003618.D
Acq On : 25 Nov 2020 12:27
Operator : SY/MD
Sample : VSTD2.534
Misc : 5.00G/10ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5403

Quant Time: Nov 26 04:41:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL112520SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 26 04:40:31 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.499 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

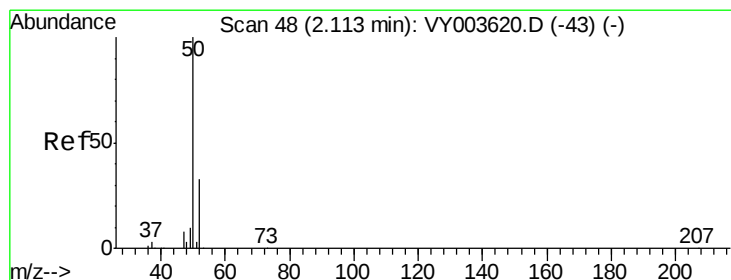
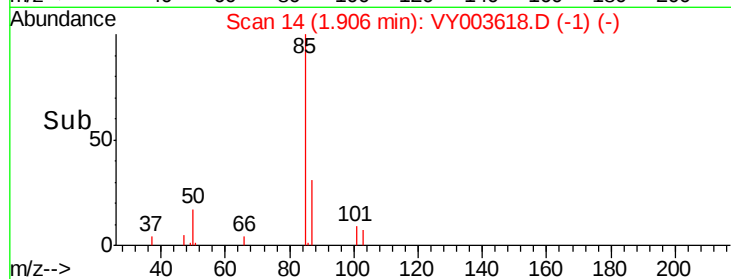
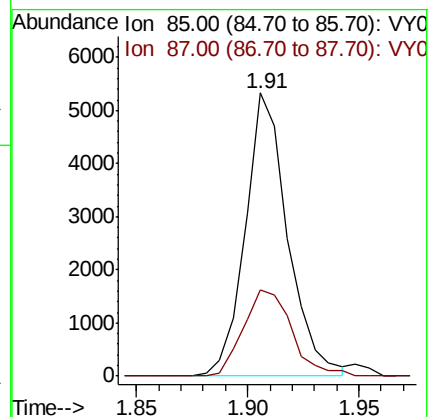
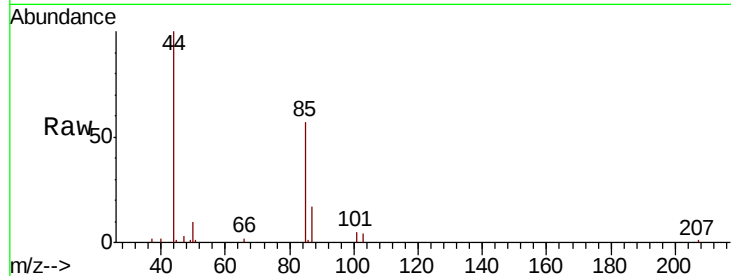
VSTD2.5403

Tot Ion: 85 Resp: 7089

Ion Ratio Lower Upper

85 100

87 34.7 25.4 38.2



#3

Chloromethane

Concen: 2.740 ug/L

RT: 2.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VY003618.D

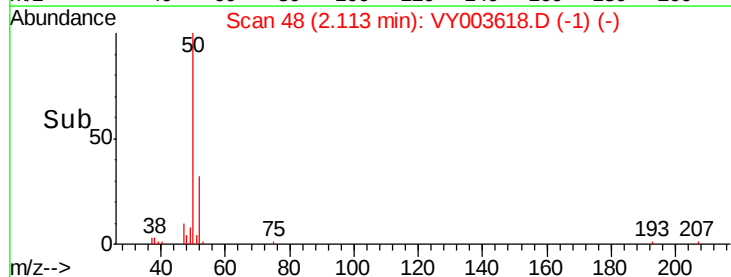
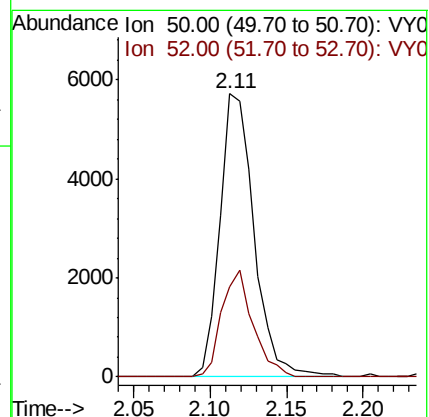
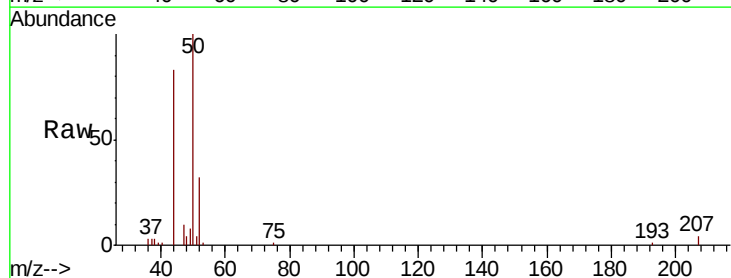
Acq: 25 Nov 2020 12:27

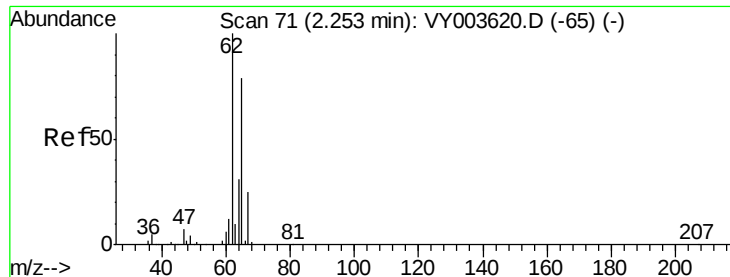
Tgt Ion: 50 Resp: 8868

Ion Ratio Lower Upper

50 100

52 32.0 22.7 42.3





#5

Vinyl chloride

Concen: 2.460 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.01 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

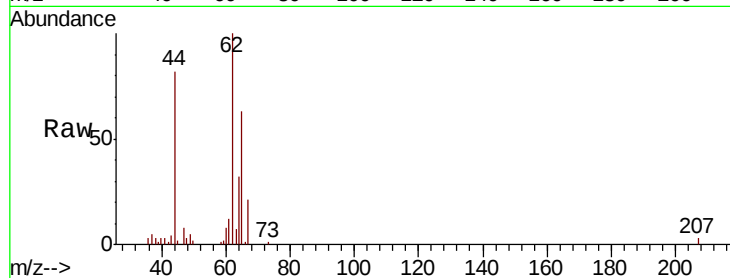
VSTD2.5403

Tot Ion: 62 Resp: 8504

Ion Ratio Lower Upper

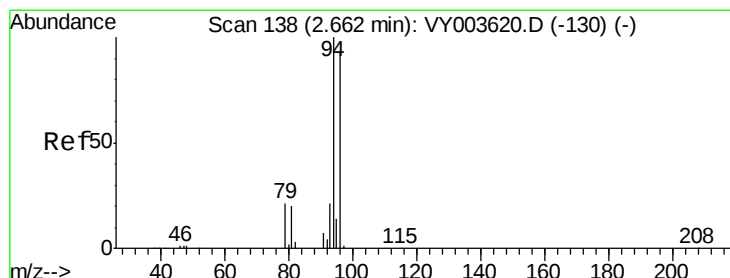
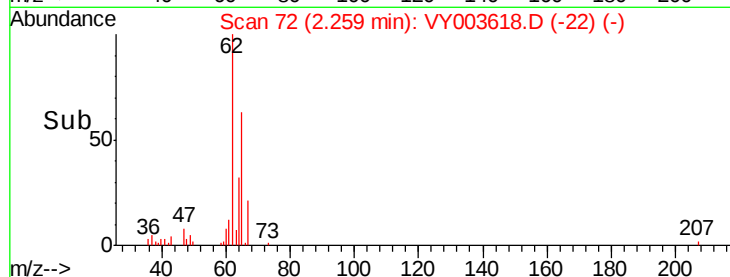
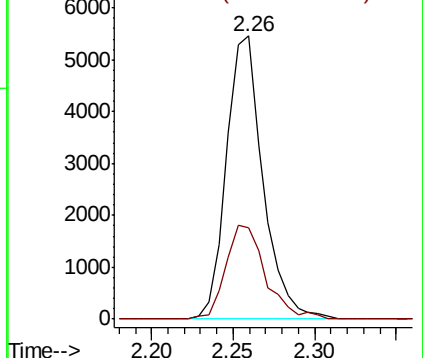
62 100

64 32.3 21.9 40.7



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 2.357 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.00 min

Lab File: VY003618.D

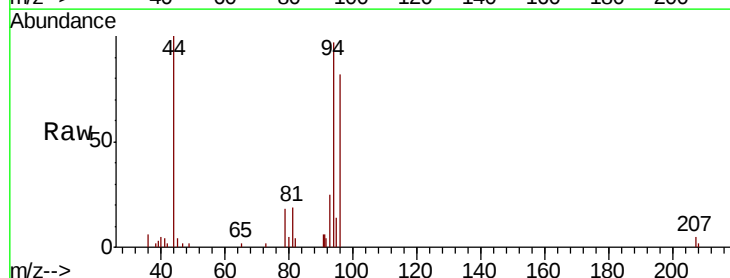
Acq: 25 Nov 2020 12:27

Tgt Ion: 94 Resp: 5403

Ion Ratio Lower Upper

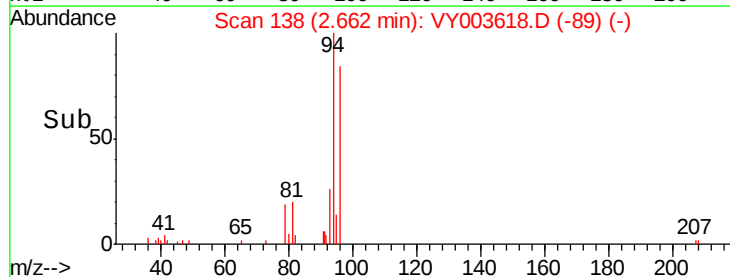
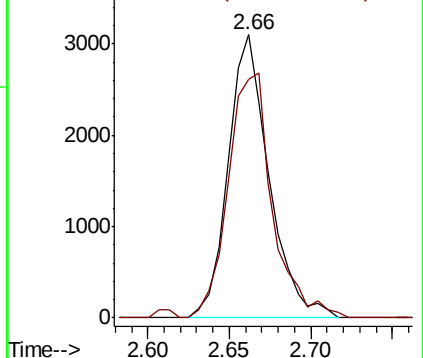
94 100

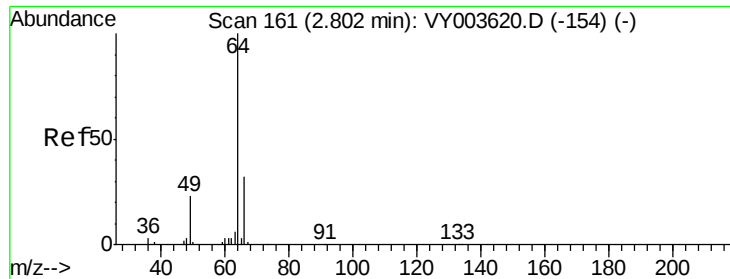
96 84.4 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 2.528 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

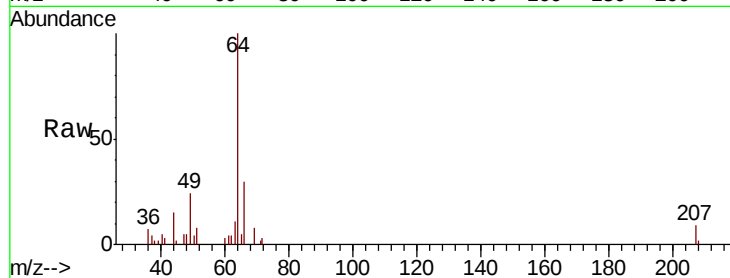
VSTD2.5403

Tot Ion: 64 Resp: 5223

Ion Ratio Lower Upper

64 100

66 30.4 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VY003620.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VY003620.D (-154) (-)

2.80

2500

2000

1500

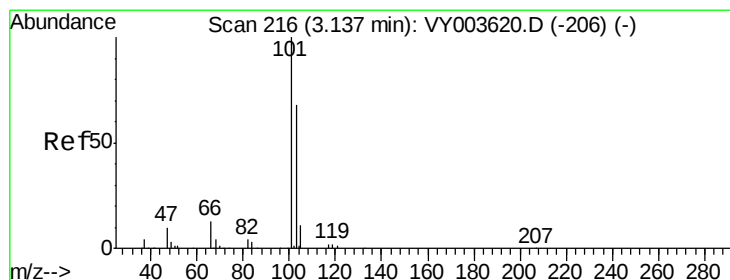
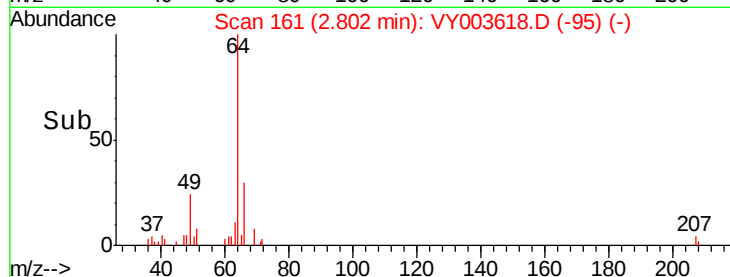
1000

500

0

2.75 2.80 2.85

Time-->



#9

Trichlorofluoromethane

Concen: 2.538 ug/L

RT: 3.13 min Scan# 215

Delta R.T. -0.01 min

Lab File: VY003618.D

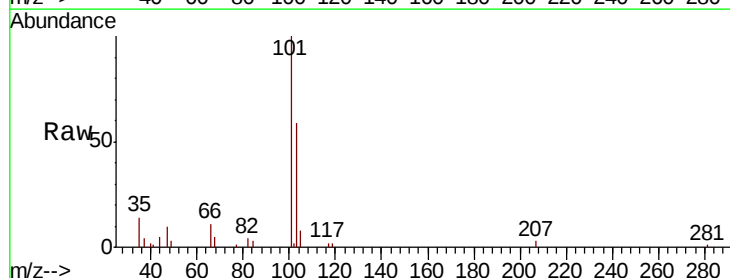
Acq: 25 Nov 2020 12:27

Tgt Ion: 101 Resp: 13266

Ion Ratio Lower Upper

101 100

103 66.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VY003620.D (-206) (-)

Ion 103.00 (102.70 to 103.70): VY003620.D (-206) (-)

3.13

6000

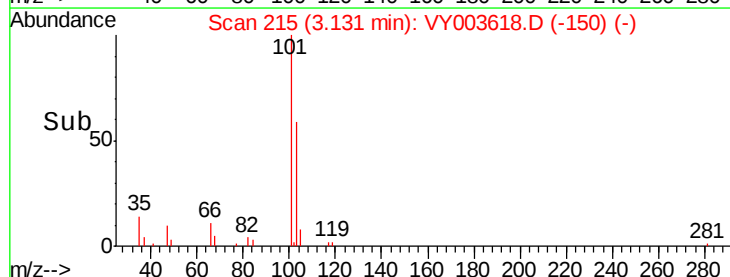
4000

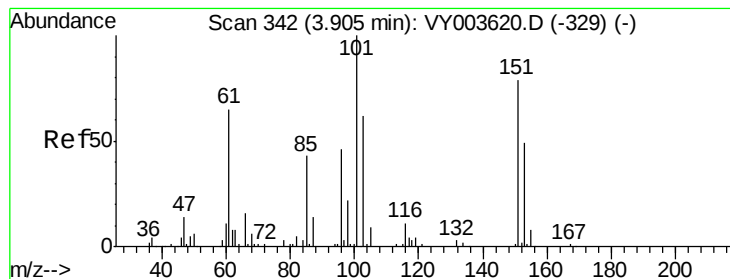
2000

0

3.05 3.10 3.15 3.20

Time-->





#10

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

Concen: 2.478 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.01 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5403

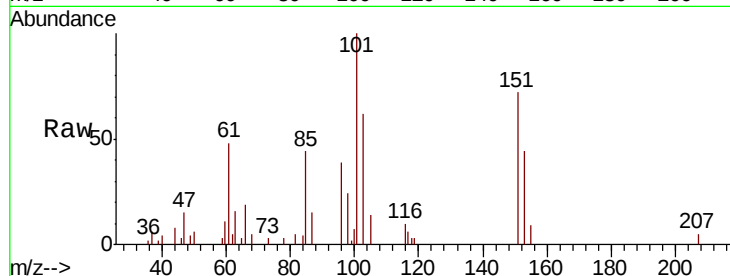
Tot Ion:101 Resp: 8117

Ion Ratio Lower Upper

101 100

85 46.2 35.6 53.4

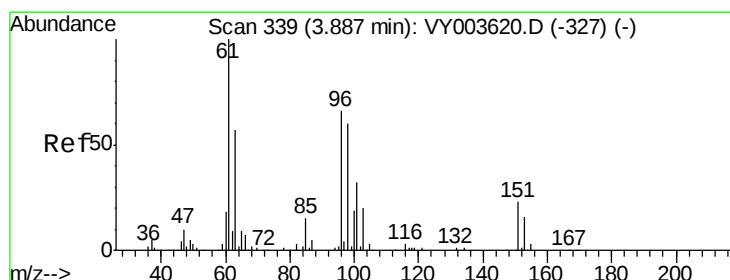
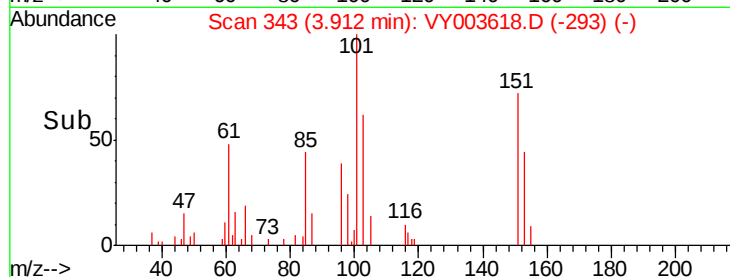
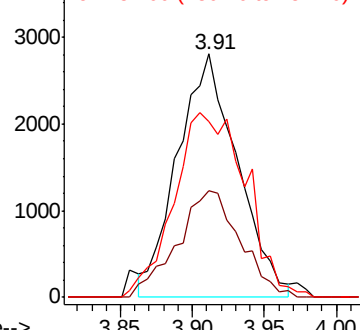
151 56.7 64.2 96.2#



Abundance Ion 101.00 (100.70 to 101.70): VY003620.D (-329) (-)

Ion 85.00 (84.70 to 85.70): VY003620.D (-329) (-)

Ion 151.00 (150.70 to 151.70): VY003620.D (-329) (-)



#12

1,1-Dichloroethene

Concen: 2.445 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.01 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

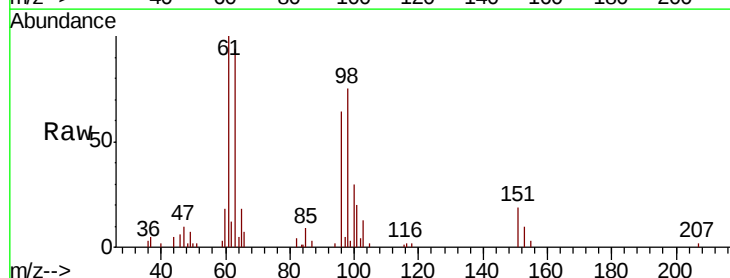
Tgt Ion: 96 Resp: 7542

Ion Ratio Lower Upper

96 100

61 156.2 106.1 197.1

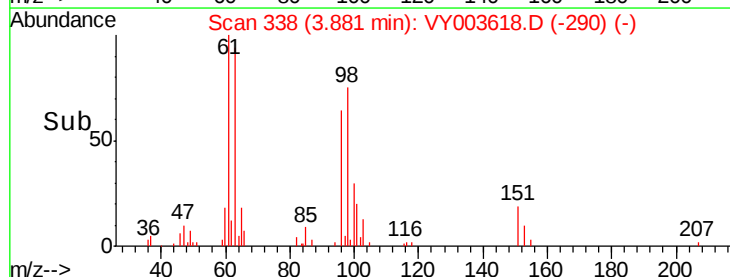
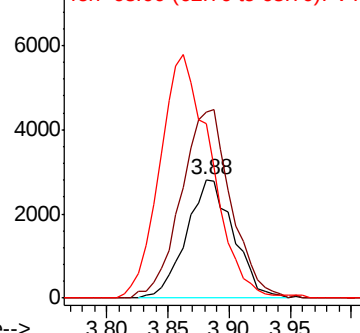
63 146.4 62.9 116.9#

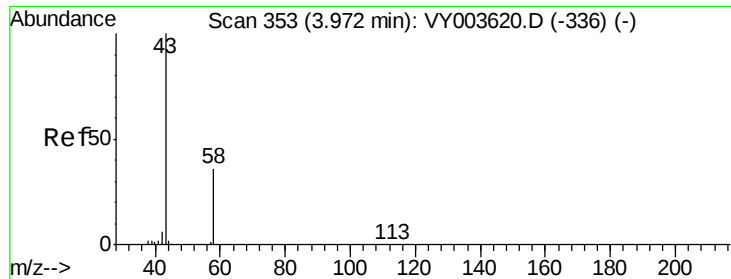


Abundance Ion 96.00 (95.70 to 96.70): VY003620.D (-327) (-)

Ion 61.00 (60.70 to 61.70): VY003620.D (-327) (-)

Ion 63.00 (62.70 to 63.70): VY003620.D (-327) (-)





#13

Acetone

Concen: 5.266 ug/L

RT: 3.97 min Scan# 352

Delta R.T. -0.01 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

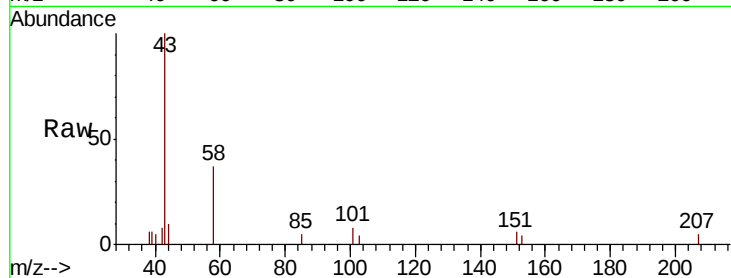
VSTD2.5403

Tot Ion: 43 Resp: 5487

Ion Ratio Lower Upper

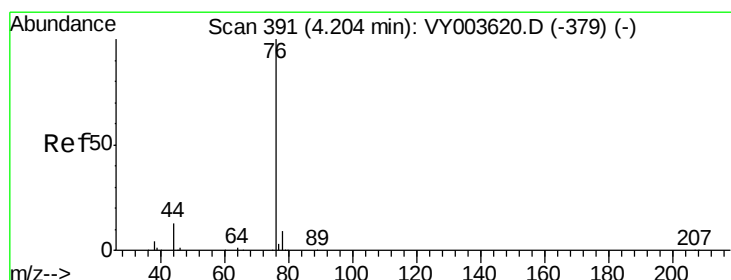
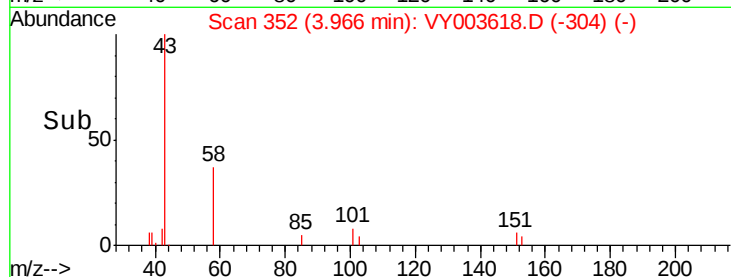
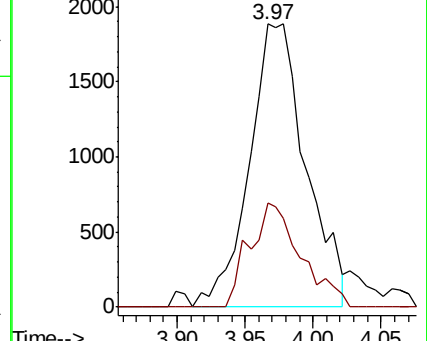
43 100

58 18.9 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 2.529 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.01 min

Lab File: VY003618.D

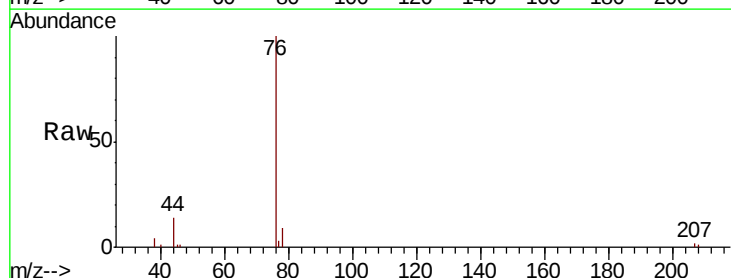
Acq: 25 Nov 2020 12:27

Tgt Ion: 76 Resp: 26572

Ion Ratio Lower Upper

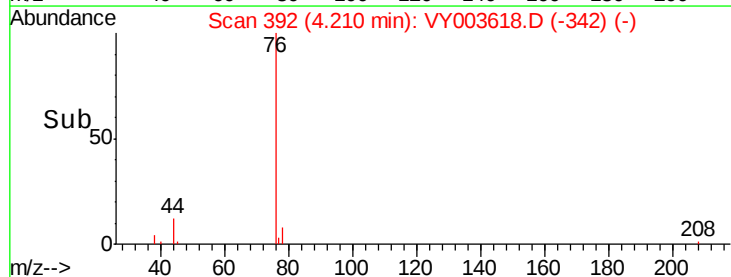
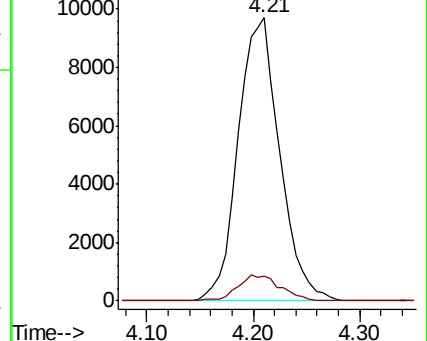
76 100

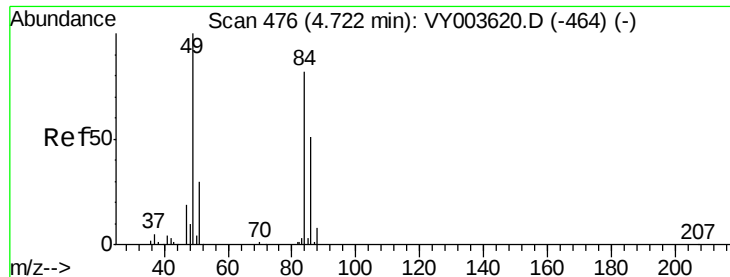
78 8.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

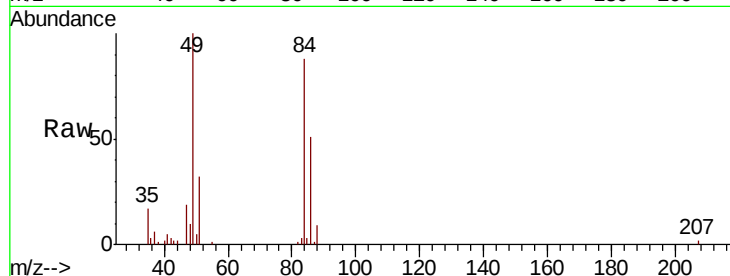




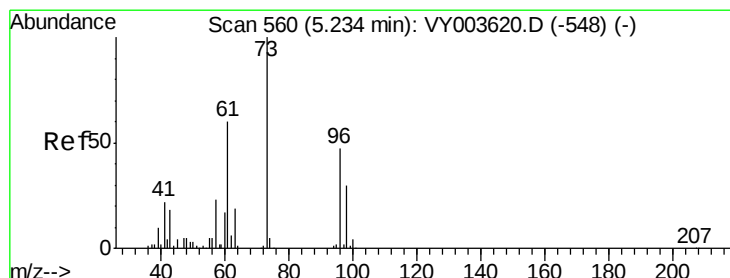
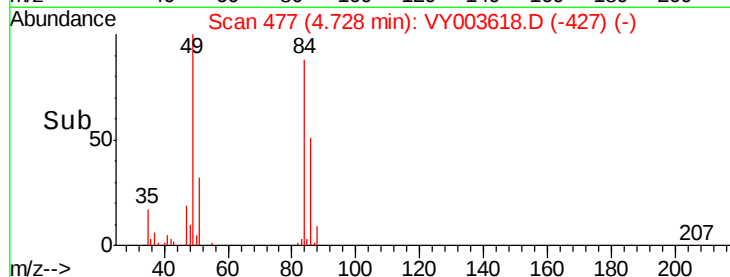
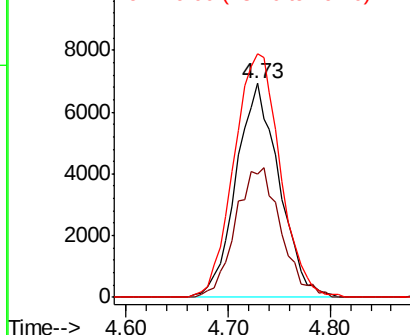
#16
Methvlene chloride
Concen: 4.296 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VY003618.D
Acq: 25 Nov 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5403

Tot Ion: 84 Resp: 20327
Ion Ratio Lower Upper
84 100
86 57.9 43.3 80.3
49 114.0 85.3 158.5

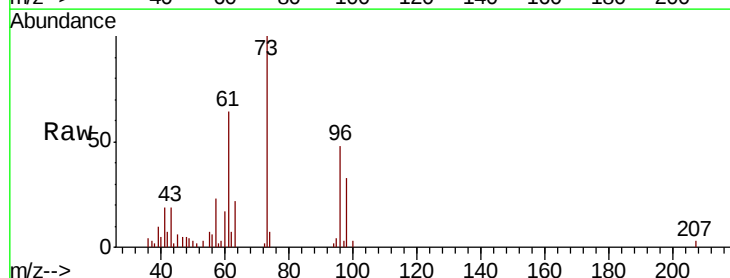


Abundance Ion 84.00 (83.70 to 84.70): VY0
Ion 86.00 (85.70 to 86.70): VY0
Ion 49.00 (48.70 to 49.70): VY0

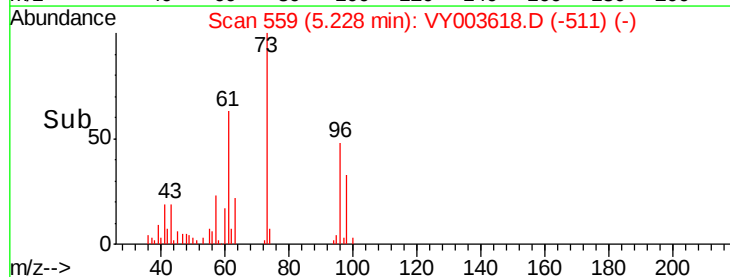
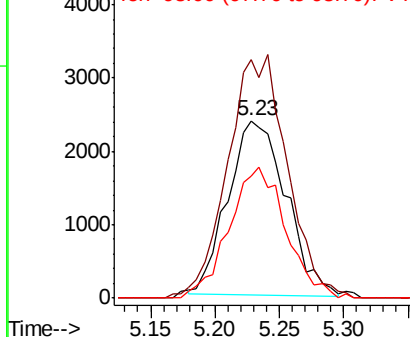


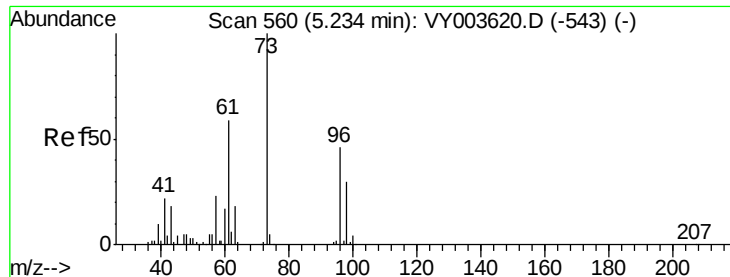
#17
trans-1,2-Dichloroethene
Concen: 2.242 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003618.D
Acq: 25 Nov 2020 12:27

Tgt Ion: 96 Resp: 7499
Ion Ratio Lower Upper
96 100
61 134.4 89.5 166.1
98 68.9 45.5 84.5



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

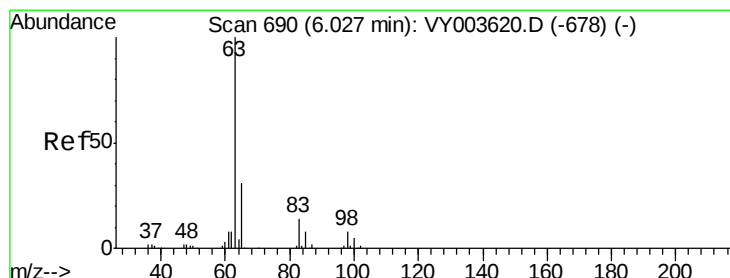
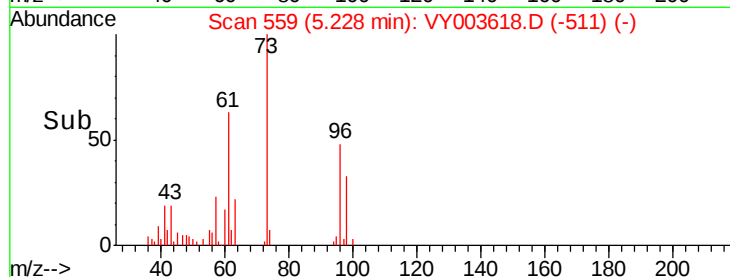
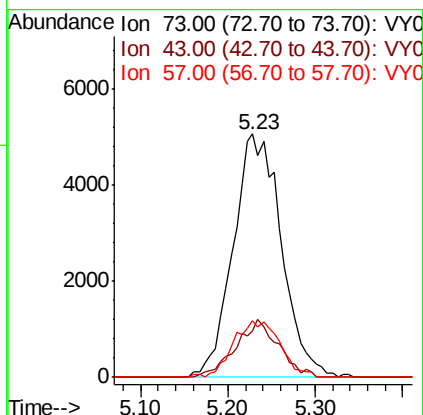
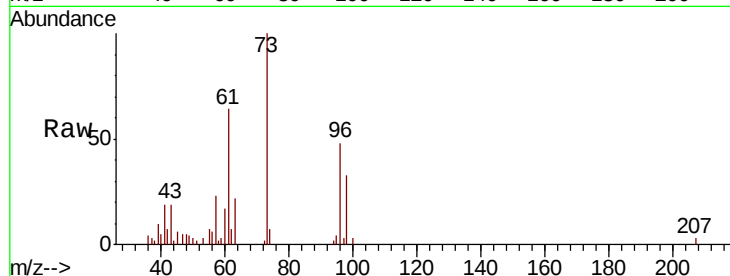




#18
Methvl tert-butvl Ether
Concen: 2.352 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003618.D
Acq: 25 Nov 2020 12:27

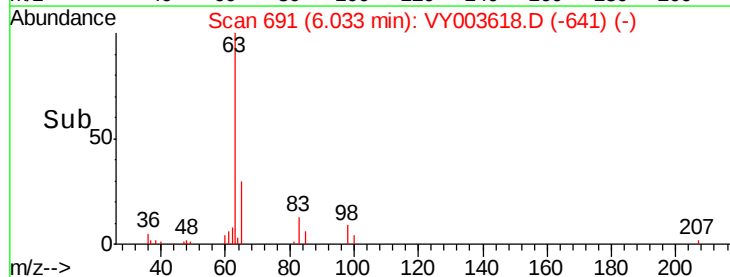
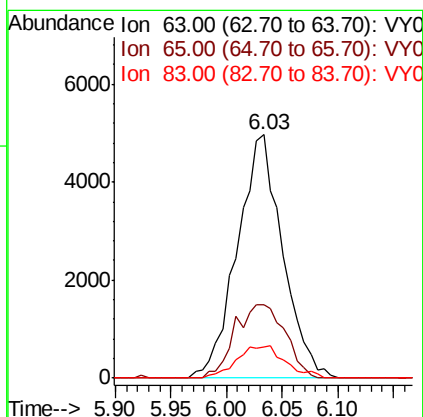
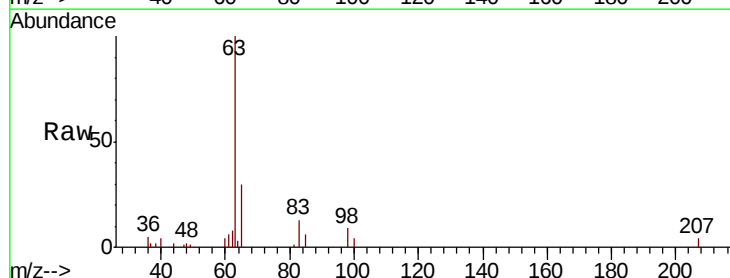
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5403

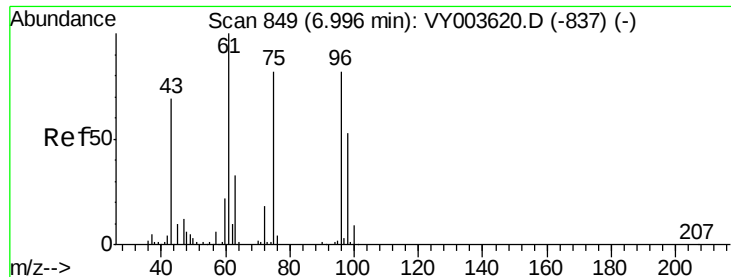
Tot Ion: 73 Resp: 19381
Ion Ratio Lower Upper
73 100
43 12.5 15.2 22.8#
57 12.4 18.1 27.1#



#19
1,1-Dichloroethane
Concen: 2.407 ug/L
RT: 6.03 min Scan# 691
Delta R.T. 0.01 min
Lab File: VY003618.D
Acq: 25 Nov 2020 12:27

Tgt Ion: 63 Resp: 14009
Ion Ratio Lower Upper
63 100
65 30.3 21.9 40.7
83 12.7 9.5 17.7

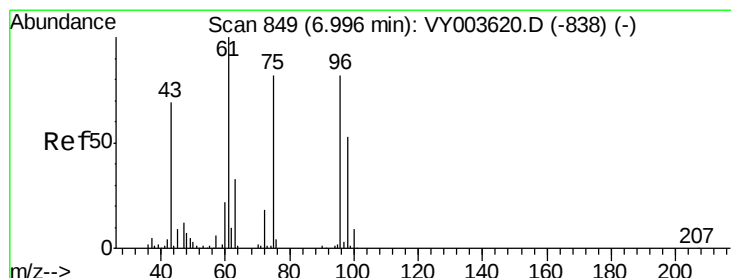
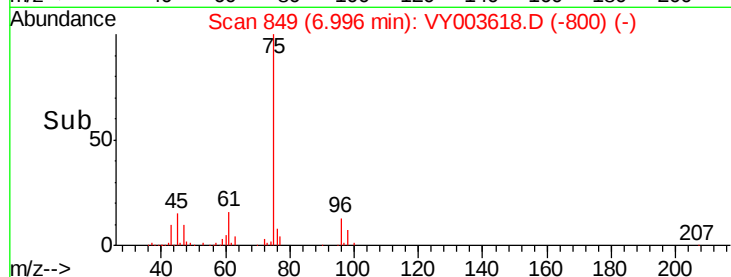
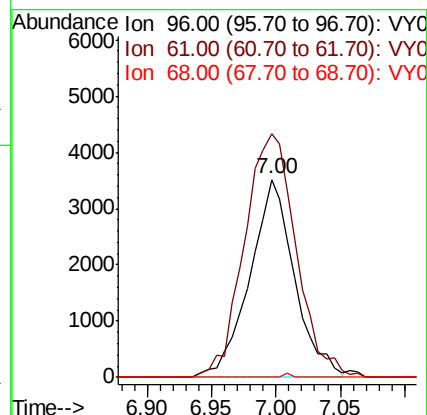
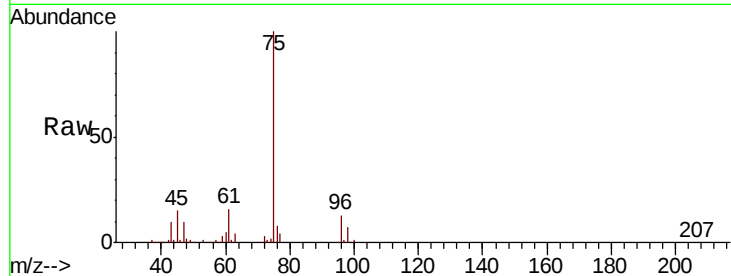




#20
 cis-1,2-Dichloroethene
 Concen: 2.360 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003618.D
 Acq: 25 Nov 2020 12:27

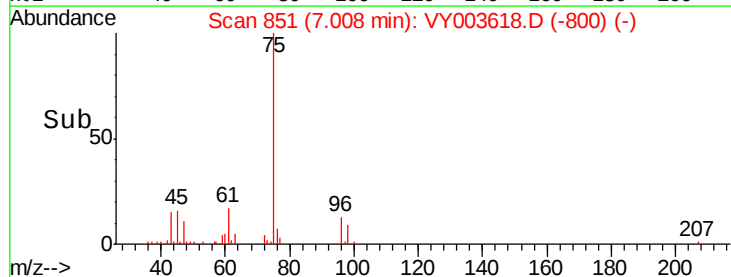
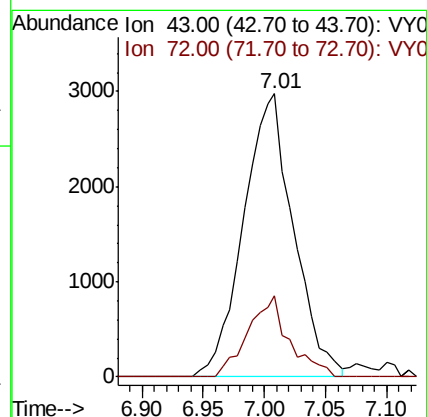
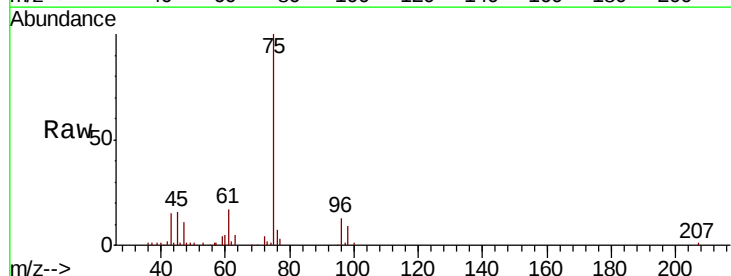
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

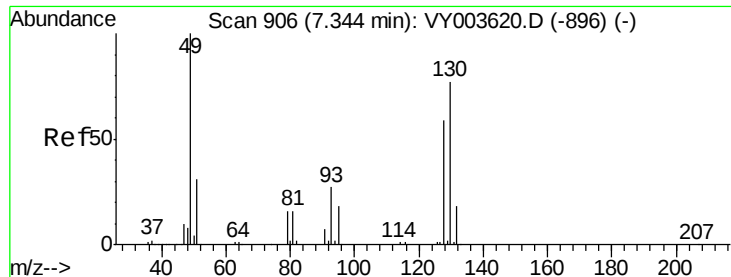
Tot Ion: 96 Resp: 8439
 Ion Ratio Lower Upper
 96 100
 61 123.3 85.8 159.4
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 5.383 ug/L
 RT: 7.01 min Scan# 851
 Delta R.T. 0.01 min
 Lab File: VY003618.D
 Acq: 25 Nov 2020 12:27

Tgt Ion: 43 Resp: 8479
 Ion Ratio Lower Upper
 43 100
 72 23.7 13.5 40.5

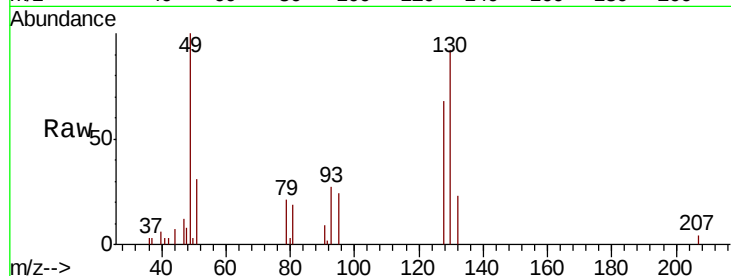




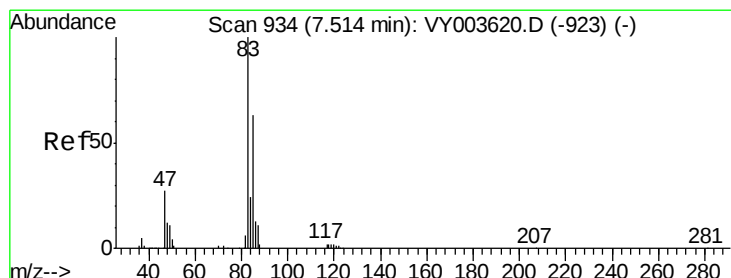
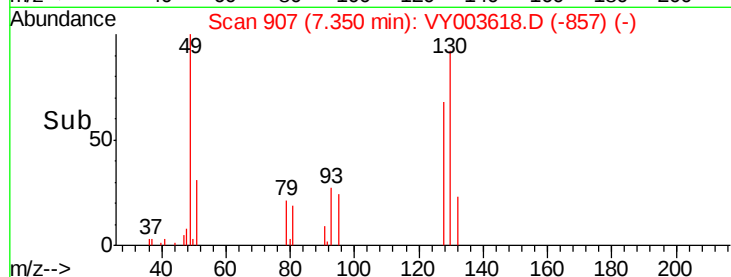
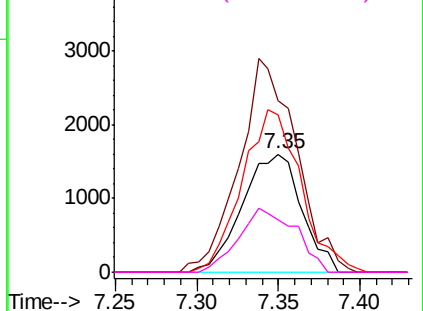
#23
Bromochloromethane
Concen: 2.312 ug/L
RT: 7.35 min Scan# 907
Delta R.T. 0.01 min
Lab File: VY003618.D
Acq: 25 Nov 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5403

Tot Ion:128 Resp: 4048
Ion Ratio Lower Upper
128 100
49 146.0 118.1 219.3
130 134.0 90.5 168.1
51 44.6 41.3 61.9

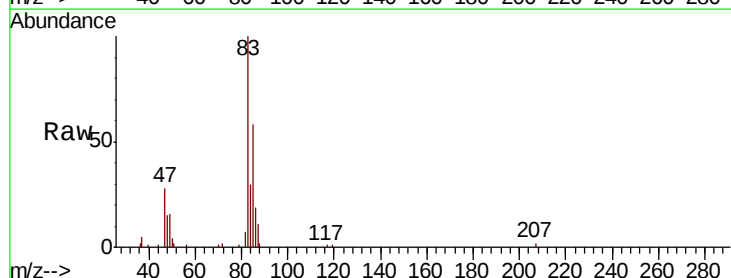


Abundance Ion 128.00 (127.70 to 128.70): VY003618.D (-857) (-)
Ion 49.00 (48.70 to 49.70): VY003618.D (-857) (-)
Ion 130.00 (129.70 to 130.70): VY003618.D (-857) (-)
Ion 51.00 (50.70 to 51.70): VY003618.D (-857) (-)

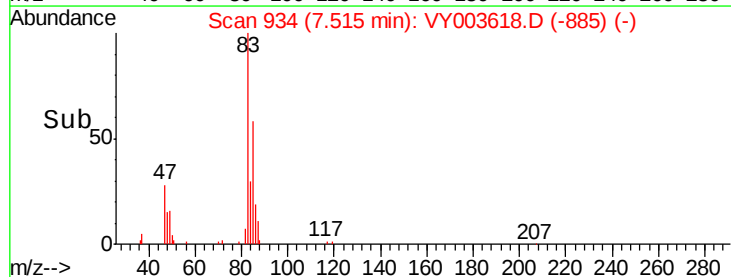
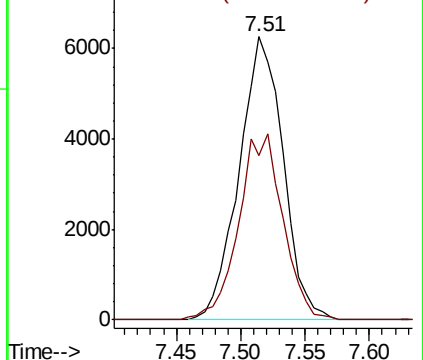


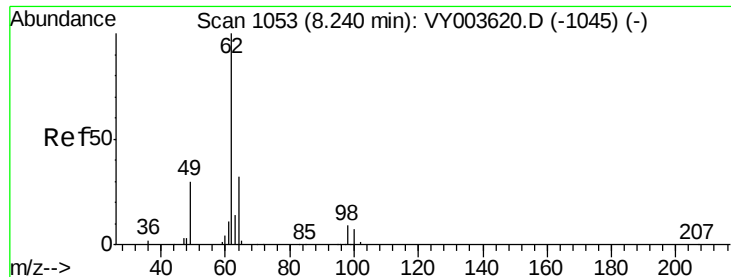
#25
Chloroform
Concen: 2.539 ug/L
RT: 7.51 min Scan# 934
Delta R.T. 0.00 min
Lab File: VY003618.D
Acq: 25 Nov 2020 12:27

Tgt Ion: 83 Resp: 14852
Ion Ratio Lower Upper
83 100
85 58.2 44.4 82.4



Abundance Ion 83.00 (82.70 to 83.70): VY003618.D (-885) (-)
Ion 85.00 (84.70 to 85.70): VY003618.D (-885) (-)

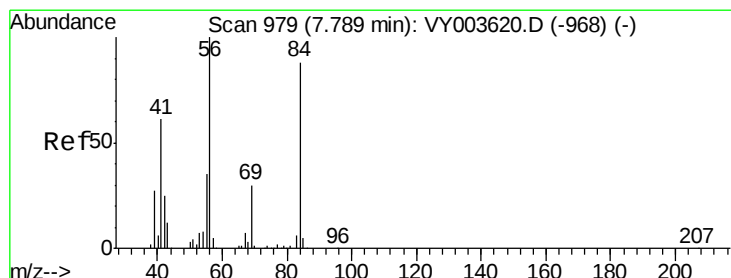
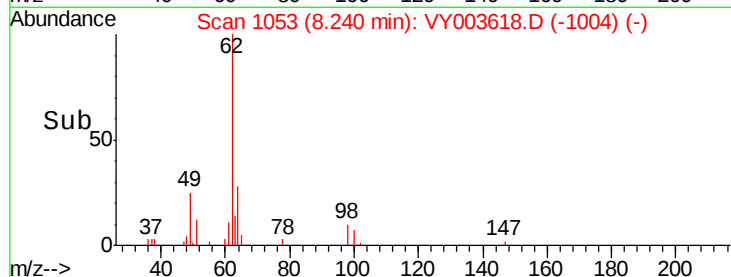
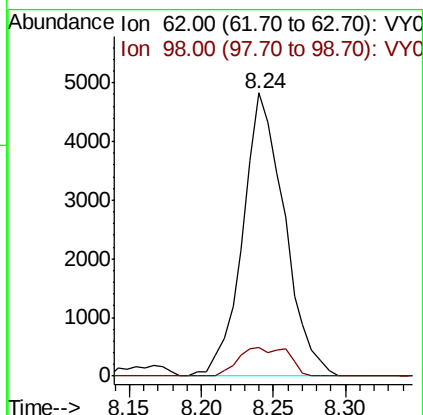
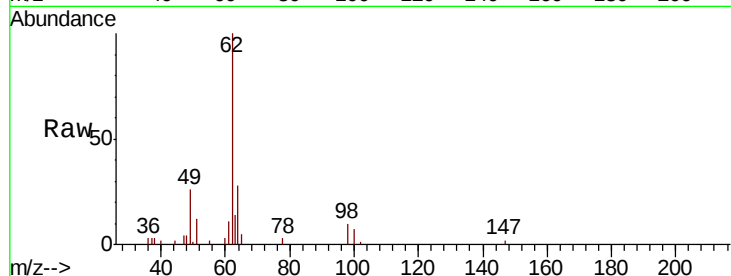




#27
 1,2-Dichloroethane
 Concen: 2.500 ug/L
 RT: 8.24 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VY003618.D
 Acq: 25 Nov 2020 12:27

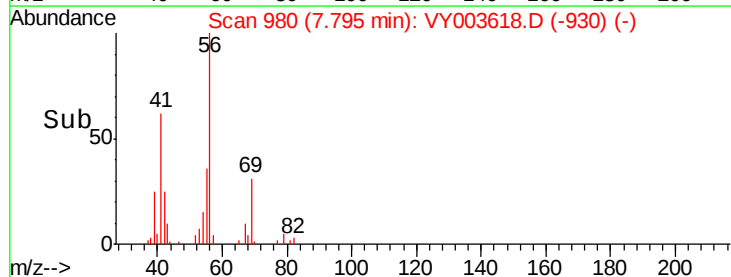
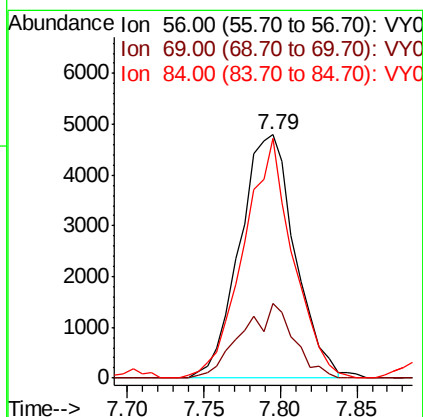
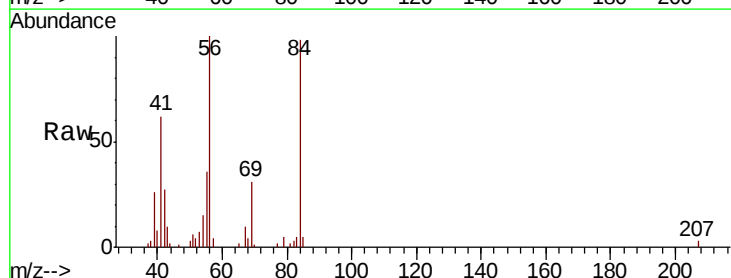
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD2.5403

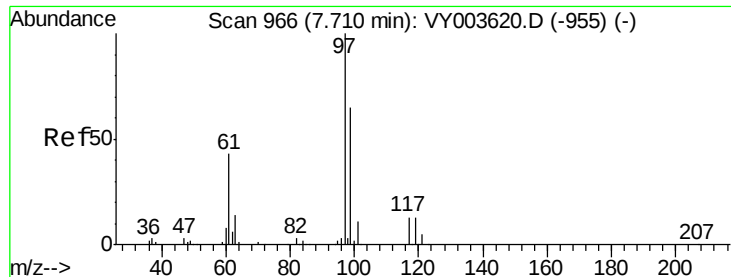
Tot Ion: 62 Resp: 9714
 Ion Ratio Lower Upper
 62 100
 98 9.9 7.5 11.3



#29
 Cyclohexane
 Concen: 2.258 ug/L
 RT: 7.79 min Scan# 980
 Delta R.T. 0.01 min
 Lab File: VY003618.D
 Acq: 25 Nov 2020 12:27

Tgt Ion: 56 Resp: 11994
 Ion Ratio Lower Upper
 56 100
 69 14.5 23.9 35.9#
 84 88.3 71.9 107.9

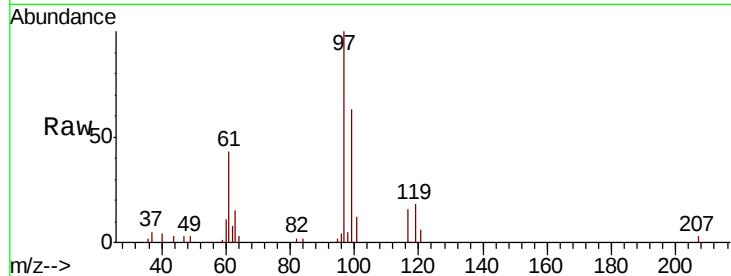




#30
 1,1,1-Trichloroethane
 Concen: 2.394 ug/L
 RT: 7.71 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VY003618.D
 Acq: 25 Nov 2020 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

Tot Ion	97.00	Resp	12512
Ion Ratio	Lower	Upper	
97	100		
99	65.8	50.6	76.0
61	44.4	34.3	51.5

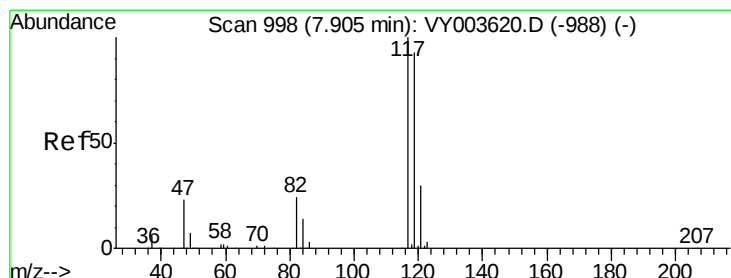
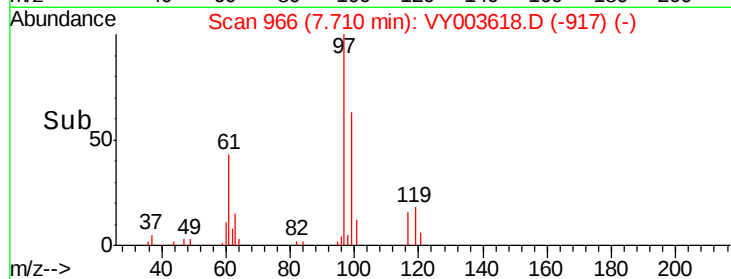
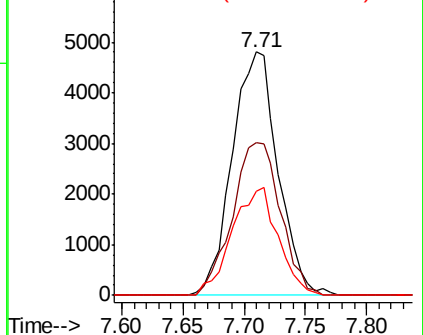


Abundance

Ion 97.00 (96.70 to 97.70): VY003618.D (-917) (-)

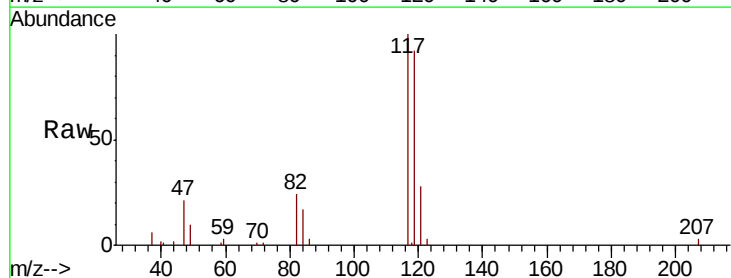
Ion 99.00 (98.70 to 99.70): VY003618.D (-917) (-)

Ion 61.05 (60.75 to 61.75): VY003618.D (-917) (-)



#31
 Carbon tetrachloride
 Concen: 2.575 ug/L
 RT: 7.90 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VY003618.D
 Acq: 25 Nov 2020 12:27

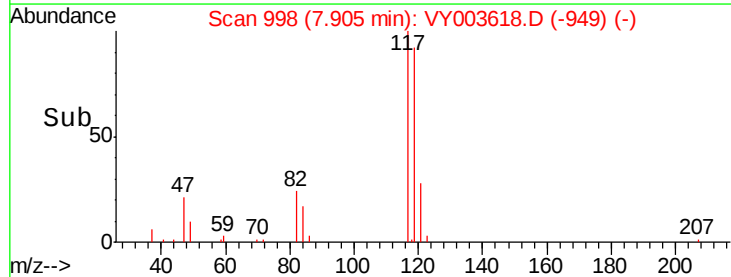
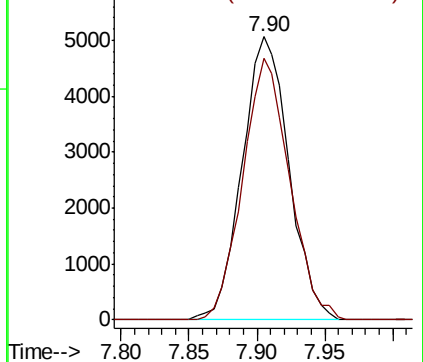
Tgt Ion	117.00	Resp	12197
Ion Ratio	Lower	Upper	
117	100		
119	92.4	77.7	116.5

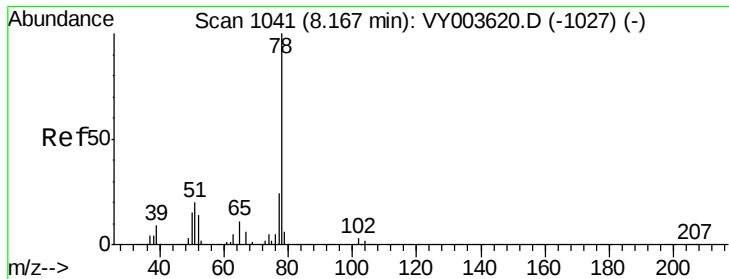


Abundance

Ion 117.00 (116.70 to 117.70): VY003618.D (-949) (-)

Ion 119.00 (118.70 to 119.70): VY003618.D (-949) (-)

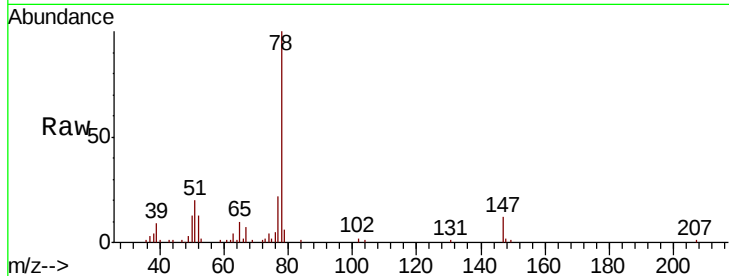




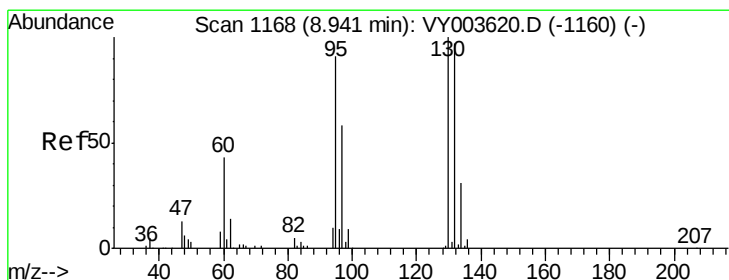
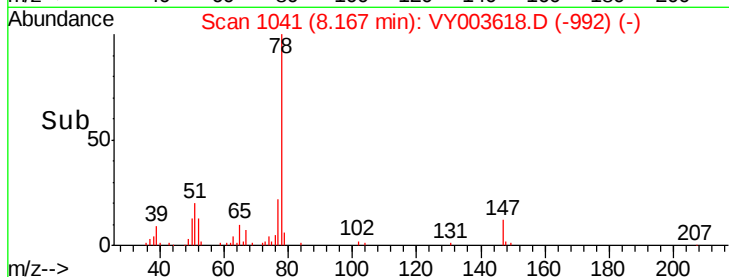
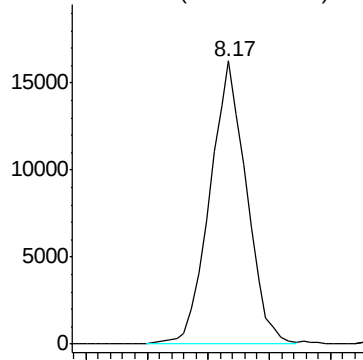
#33
Benzene
Concen: 2.499 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VY003618.D
Acq: 25 Nov 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5403

Tgt Ion: 78 Resp: 33842



Abundance Ion 78.00 (77.70 to 78.70): VY0



#34
Trichloroethene
Concen: 2.544 ug/L
RT: 8.94 min Scan# 1168
Delta R.T. 0.00 min
Lab File: VY003618.D
Acq: 25 Nov 2020 12:27

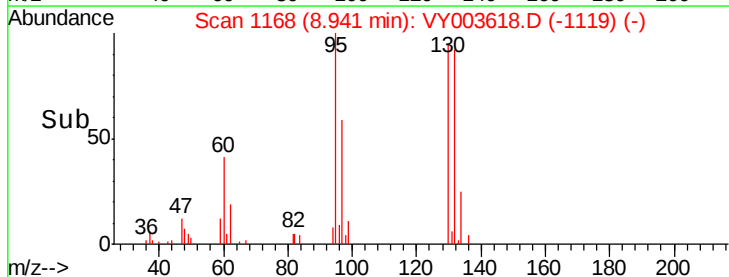
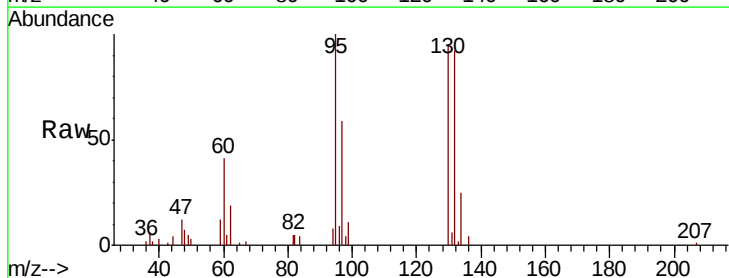
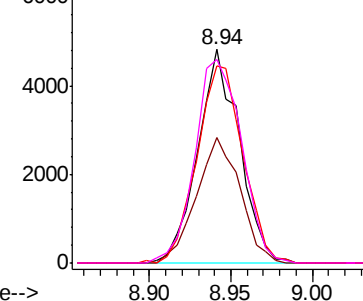
Tgt Ion: 95 Resp: 8571
Ion Ratio Lower Upper
95 100
97 58.7 44.7 83.1
132 92.2 74.7 138.7
130 95.2 76.8 142.6

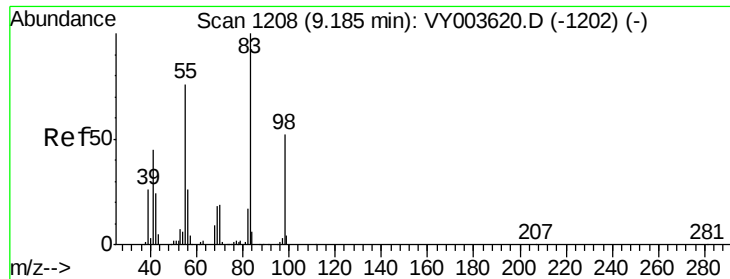
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0

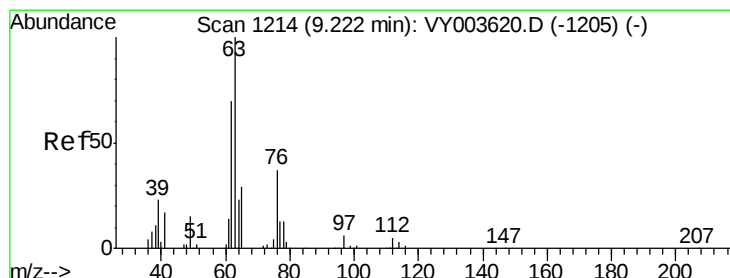
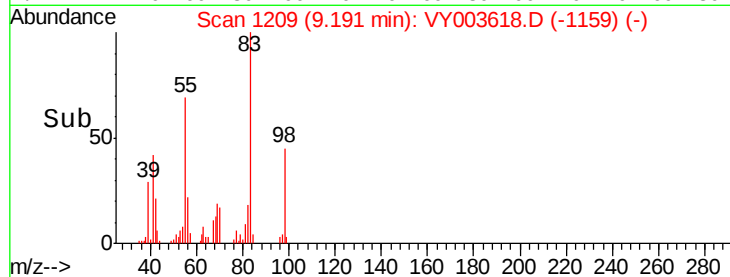
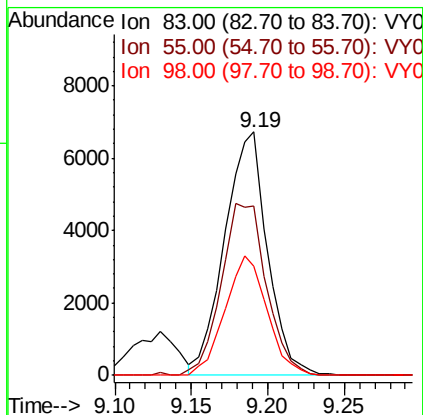
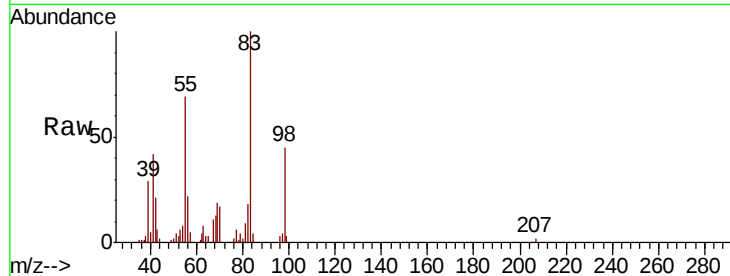




#35
Methylcyclohexane
Concen: 2.248 ug/L
RT: 9.19 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VY003618.D
Acq: 25 Nov 2020 12:27

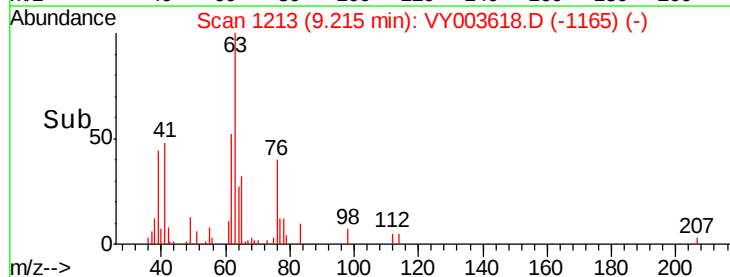
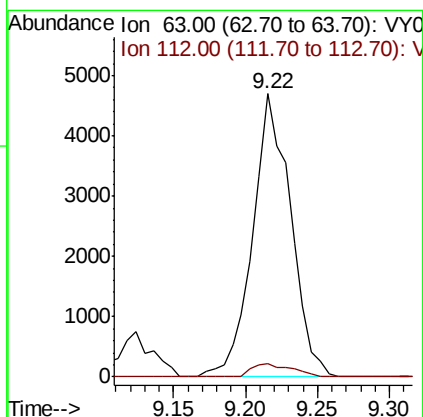
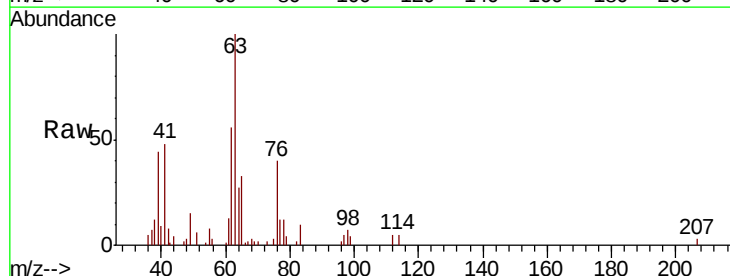
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5403

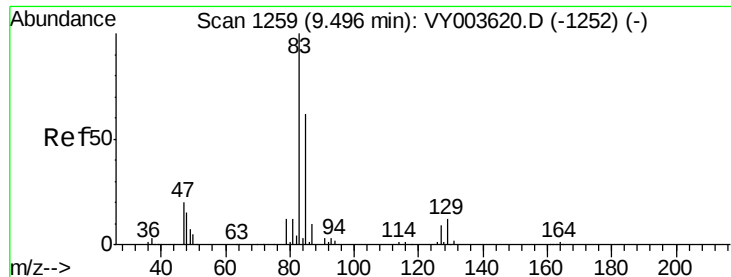
Tot Ion: 83 Resp: 13085
Ion Ratio Lower Upper
83 100
55 74.3 58.3 87.5
98 48.1 39.0 58.6



#37
1,2-Dichloropropane
Concen: 2.516 ug/L
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: VY003618.D
Acq: 25 Nov 2020 12:27

Tgt Ion: 63 Resp: 8566
Ion Ratio Lower Upper
63 100
112 4.9 3.7 5.5

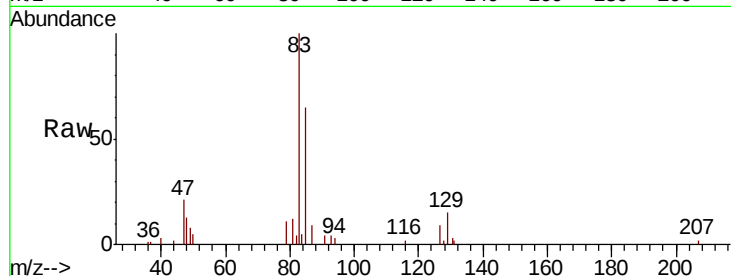




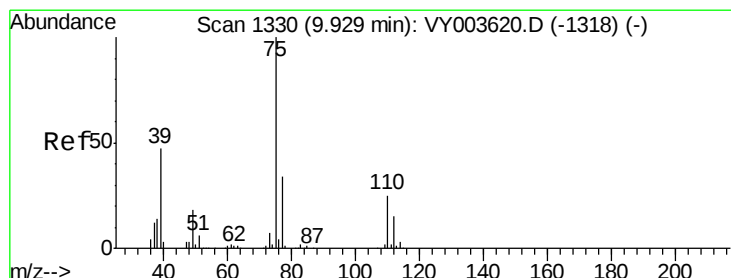
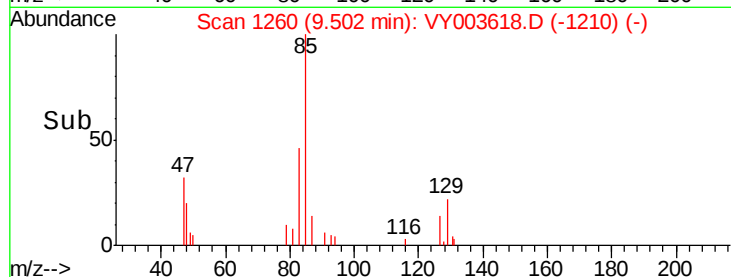
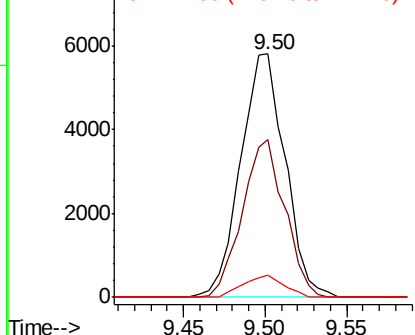
#38
 Bromodichloromethane
 Concen: 2.533 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VY003618.D
 Acq: 25 Nov 2020 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

Tot Ion: 83 Resp: 10999
 Ion Ratio Lower Upper
 83 100
 85 65.1 43.1 80.1
 127 8.9 7.1 10.7

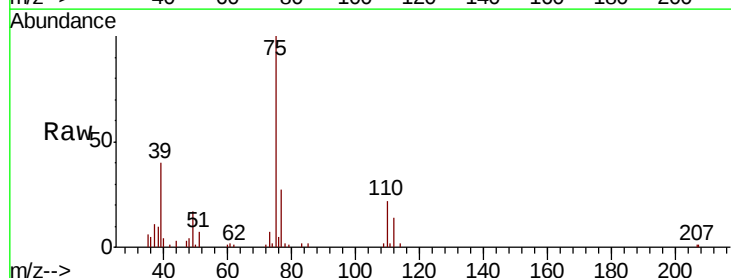


Abundance Ion 83.00 (82.70 to 83.70): VY0
 Ion 85.00 (84.70 to 85.70): VY0
 Ion 127.00 (126.70 to 127.70): V

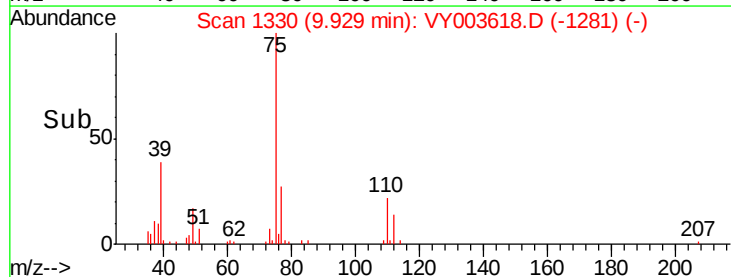
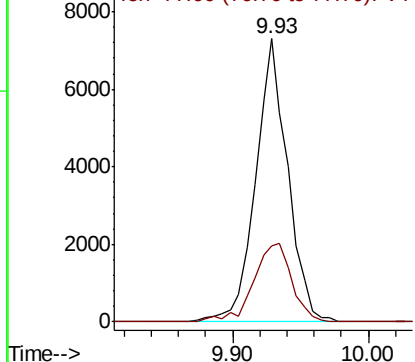


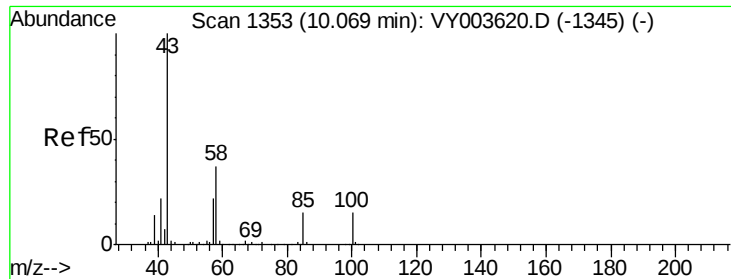
#39
 cis-1,3-Dichloropropene
 Concen: 2.256 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003618.D
 Acq: 25 Nov 2020 12:27

Tgt Ion: 75 Resp: 12025
 Ion Ratio Lower Upper
 75 100
 77 26.8 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VY0
 Ion 77.00 (76.70 to 77.70): VY0

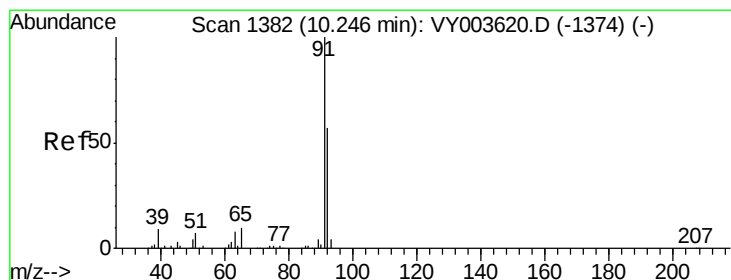
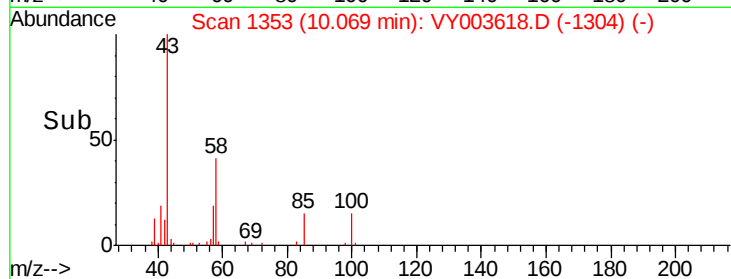
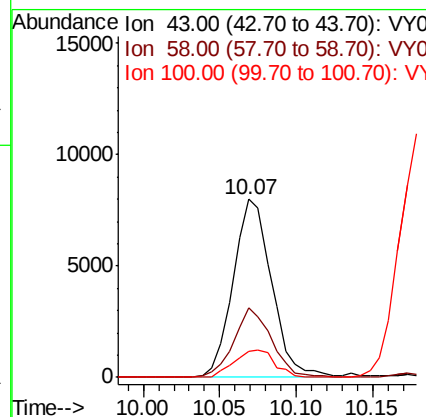
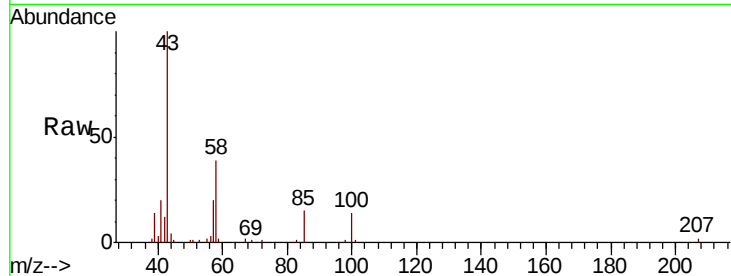




#40
4-Methyl-2-pentanone
Concen: 4.654 ug/L
RT: 10.07 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VY003618.D
Acq: 25 Nov 2020 12:27

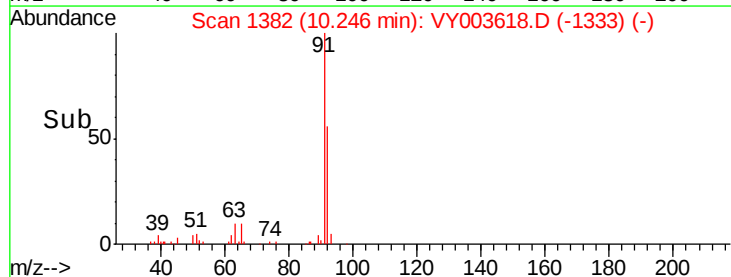
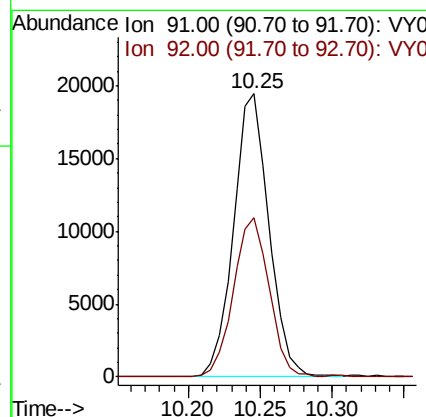
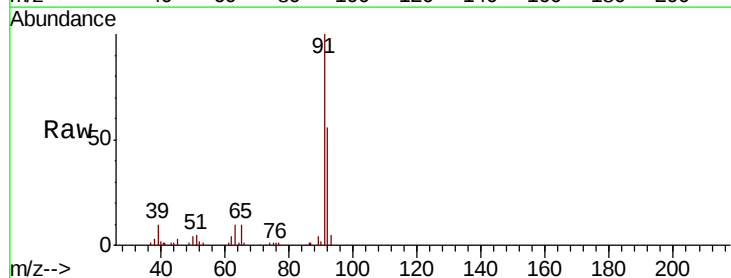
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5403

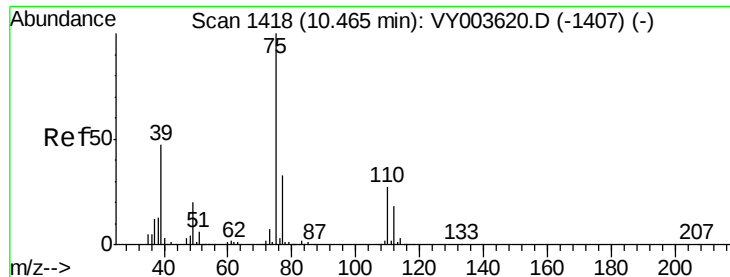
Tot Ion: 43 Resp: 13997
Ion Ratio Lower Upper
43 100
58 37.9 30.7 46.1
100 15.8 12.1 18.1



#42
Toluene
Concen: 2.330 ug/L
RT: 10.25 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VY003618.D
Acq: 25 Nov 2020 12:27

Tgt Ion: 91 Resp: 33350
Ion Ratio Lower Upper
91 100
92 56.1 40.1 74.5





#44

trans-1,3-Dichloropropene

Concen: 2.277 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

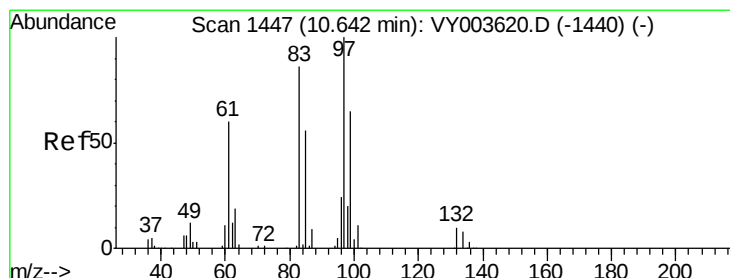
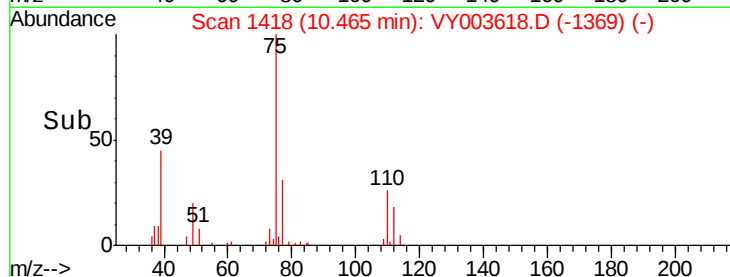
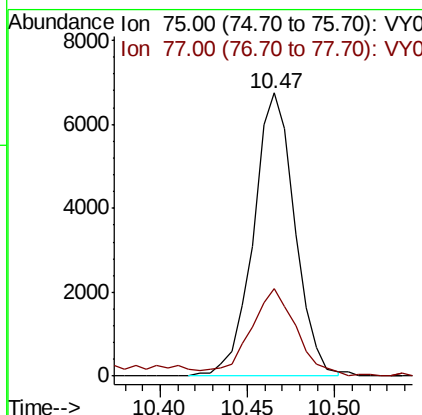
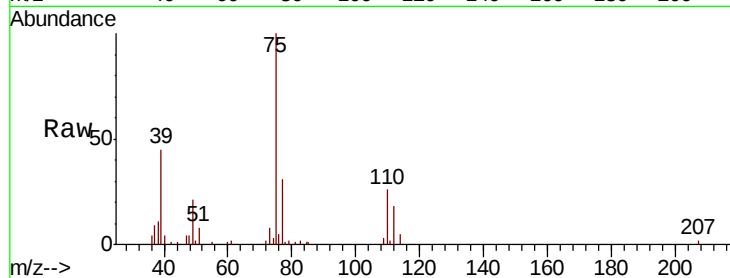
VSTD2.5403

Tot Ion: 75 Resp: 11136

Ion Ratio Lower Upper

75 100

77 30.9 22.9 42.5



#45

1,1,2-Trichloroethane

Concen: 2.413 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. 0.01 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Tgt Ion: 97 Resp: 6835

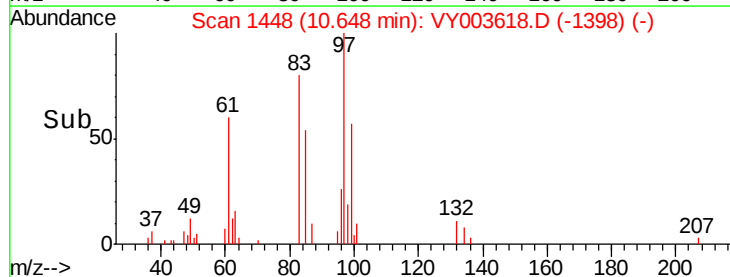
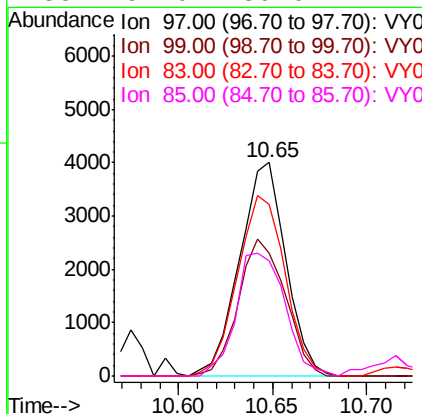
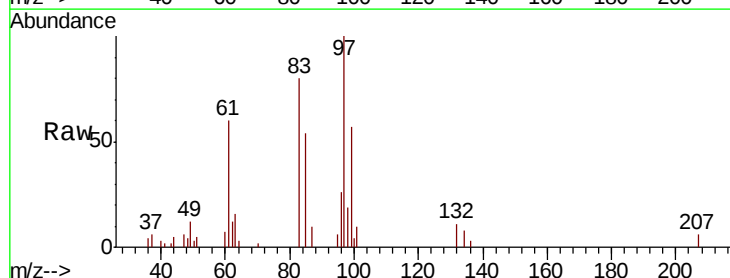
Ion Ratio Lower Upper

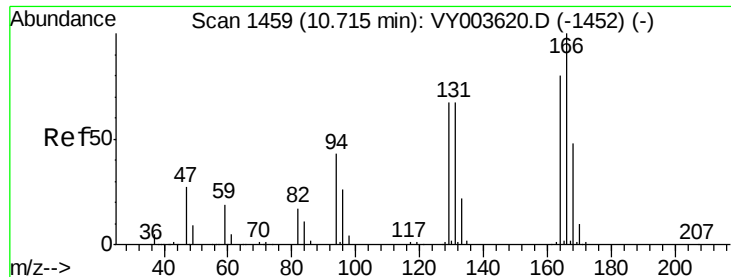
97 100

99 57.3 45.1 83.9

83 80.2 59.7 110.9

85 54.0 39.0 72.4





#46

Tetrachloroethene

Concen: 2.394 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. 0.01 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5403

Tot Ion:164 Resp: 7017

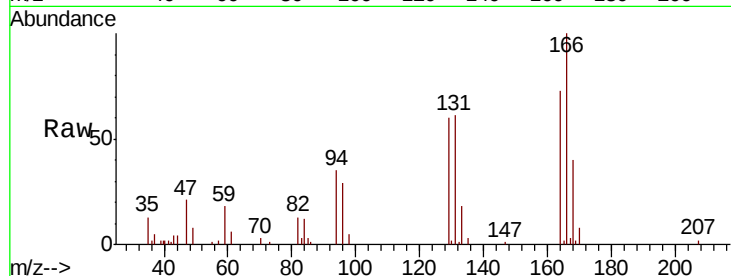
Ion Ratio Lower Upper

164 100

129 82.4 58.9 109.5

131 82.8 59.0 109.6

166 136.6 87.8 163.0



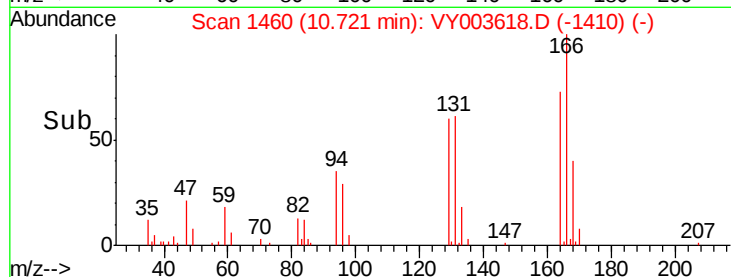
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

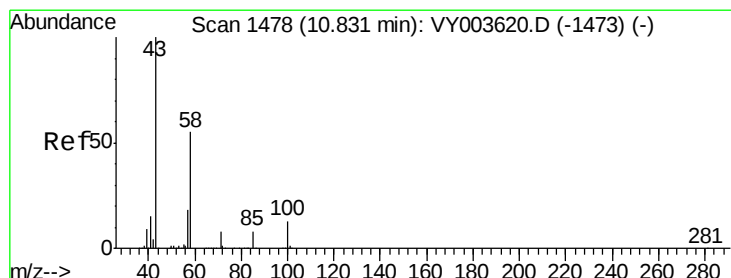
Ion 166.00 (165.70 to 166.70): V

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 4.262 ug/L

RT: 10.83 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Tgt Ion: 43 Resp: 9145

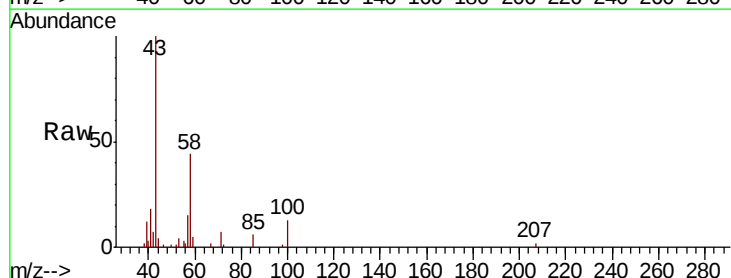
Ion Ratio Lower Upper

43 100

58 51.1 43.0 64.6

57 16.9 14.6 21.8

100 13.7 9.7 14.5



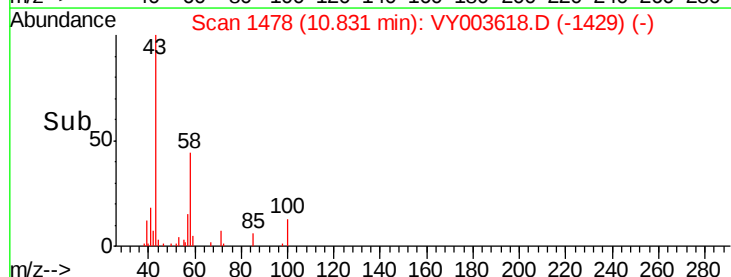
Abundance

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



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

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

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

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

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

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

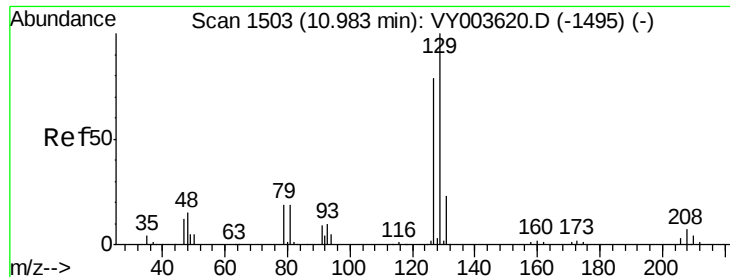
Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

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



#49

Dibromochloromethane

Concen: 2.358 ug/L

RT: 10.98 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

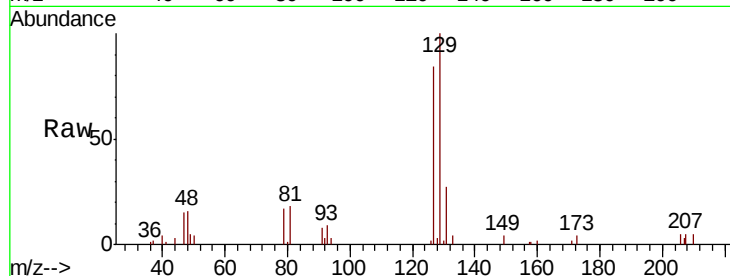
VSTD2.5403

Tot Ion:129 Resp: 7845

Ion Ratio Lower Upper

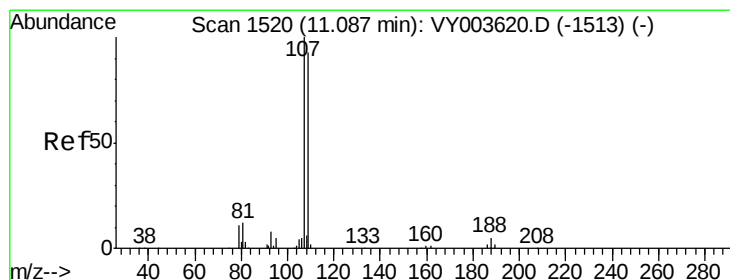
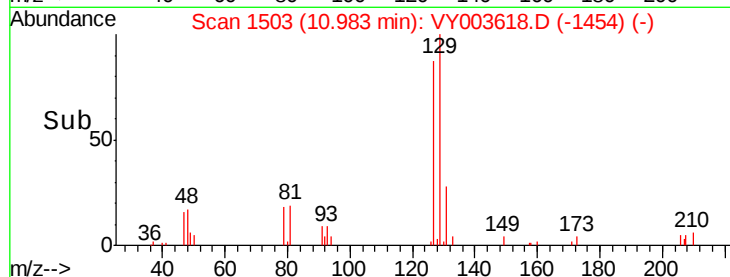
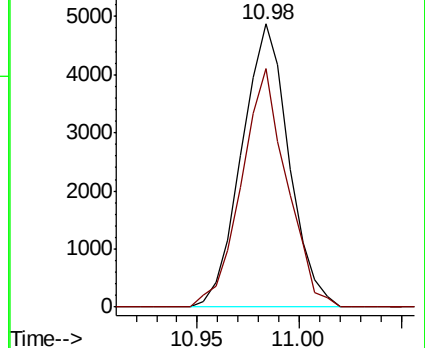
129 100

127 84.3 55.0 102.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.490 ug/L

RT: 11.09 min Scan# 1520

Delta R.T. 0.00 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

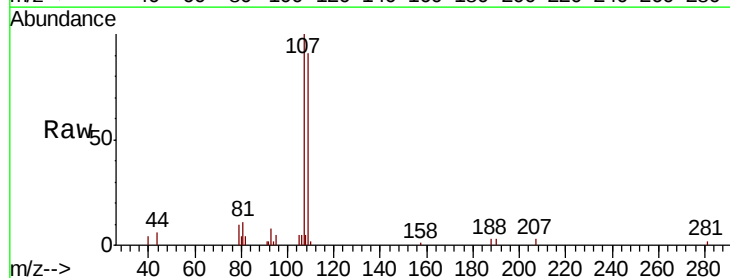
Tgt Ion:107 Resp: 6783

Ion Ratio Lower Upper

107 100

109 91.1 65.5 121.7

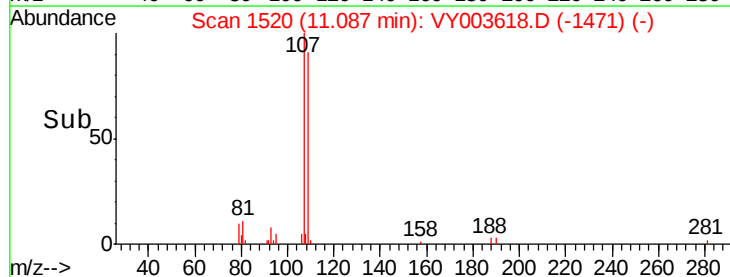
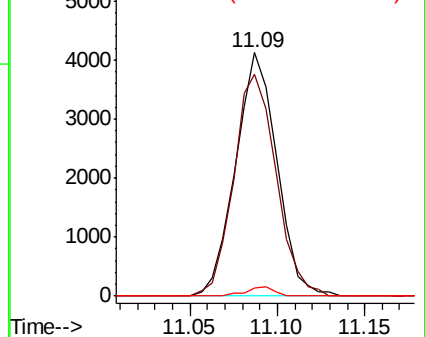
188 3.4 3.8 5.8#

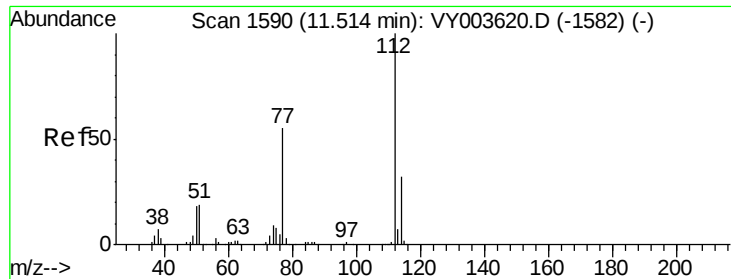


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 2.530 ug/L

RT: 11.51 min Scan# 1590

Delta R.T. 0.00 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5403

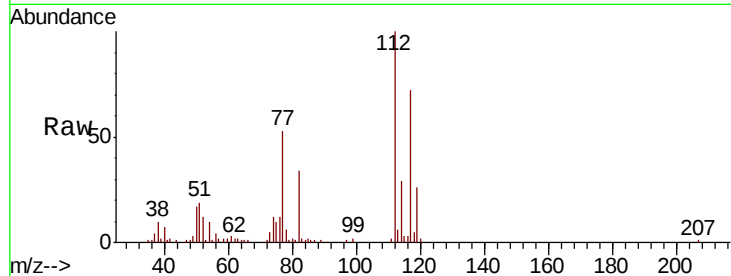
Tot Ion:112 Resp: 23003

Ion Ratio Lower Upper

112 100

114 29.0 22.2 41.2

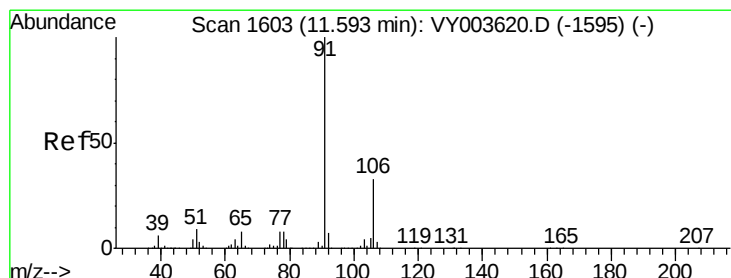
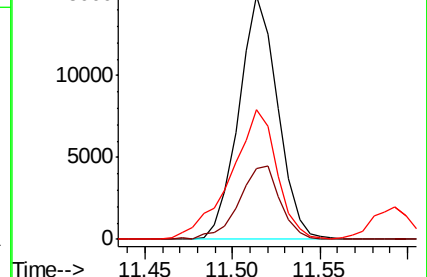
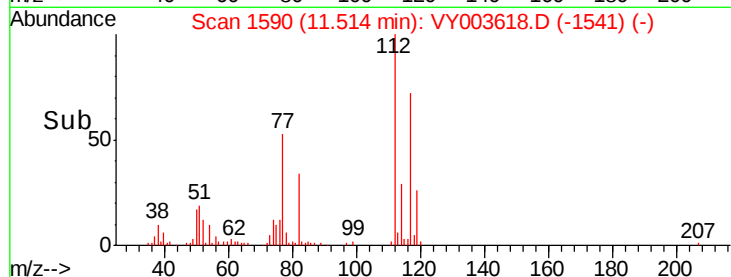
77 53.3 43.8 65.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 2.338 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003618.D

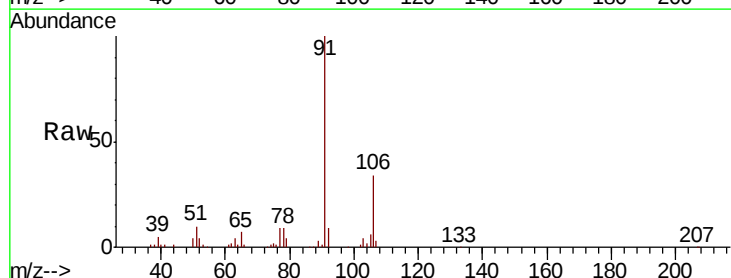
Acq: 25 Nov 2020 12:27

Tgt Ion: 91 Resp: 35948

Ion Ratio Lower Upper

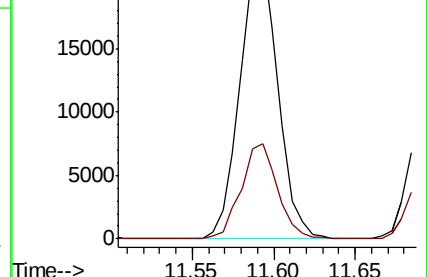
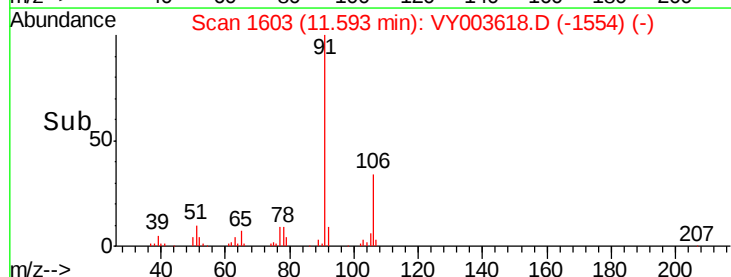
91 100

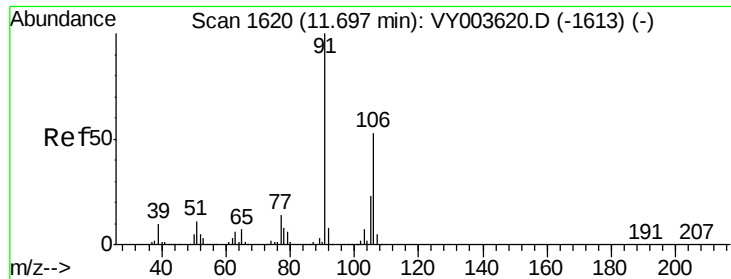
106 33.8 22.8 42.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 2.440 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.01 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

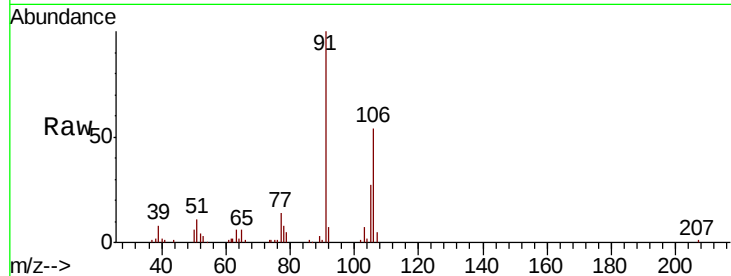
VSTD2.5403

Tot Ion:106 Resp: 14379

Ion Ratio Lower Upper

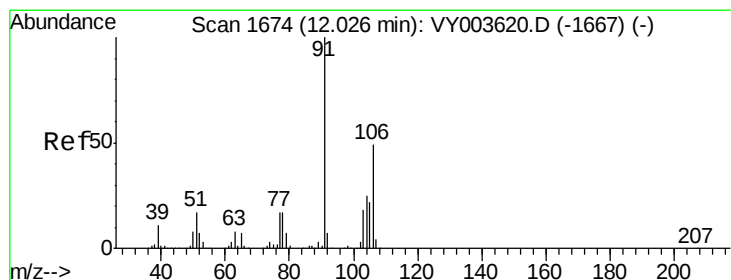
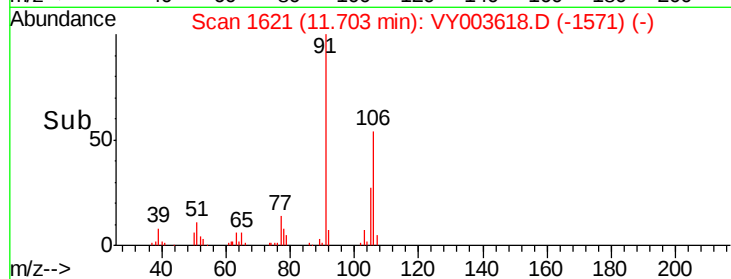
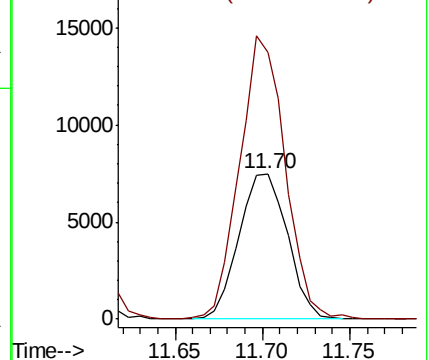
106 100

91 184.1 133.1 247.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#54

o-Xylene

Concen: 2.237 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VY003618.D

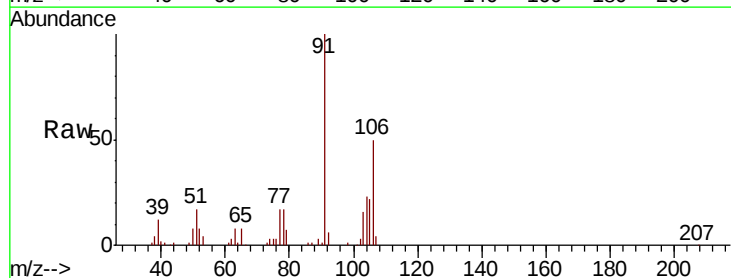
Acq: 25 Nov 2020 12:27

Tgt Ion:106 Resp: 12548

Ion Ratio Lower Upper

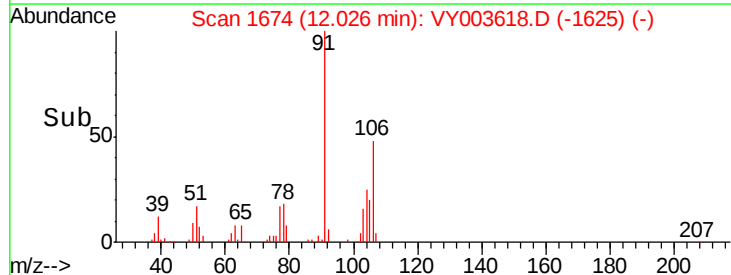
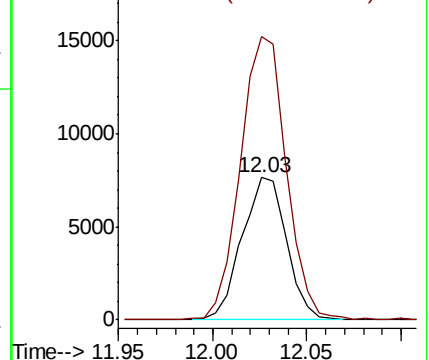
106 100

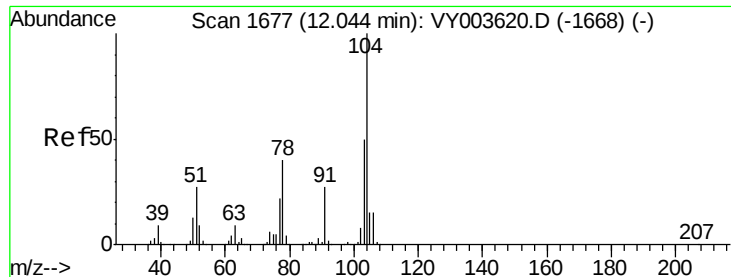
91 199.3 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#55

Stvrene

Concen: 2.187 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

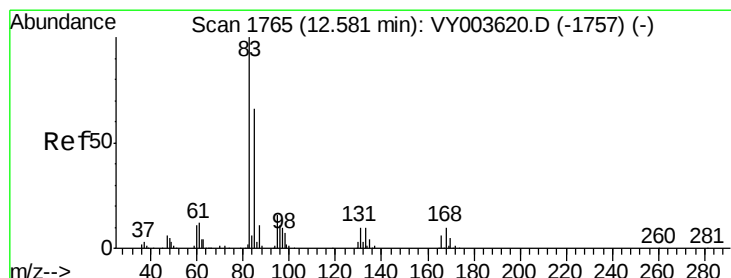
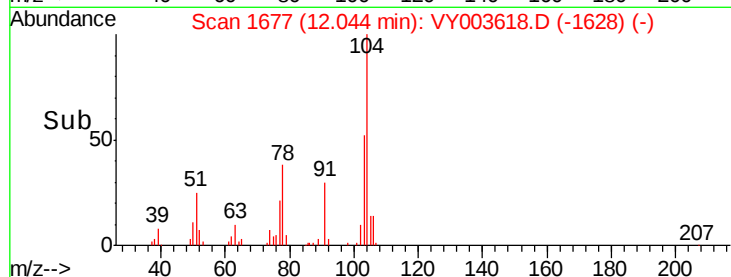
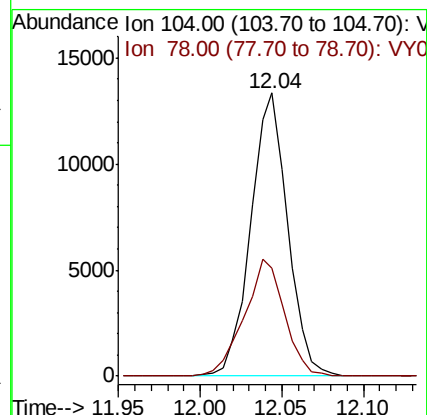
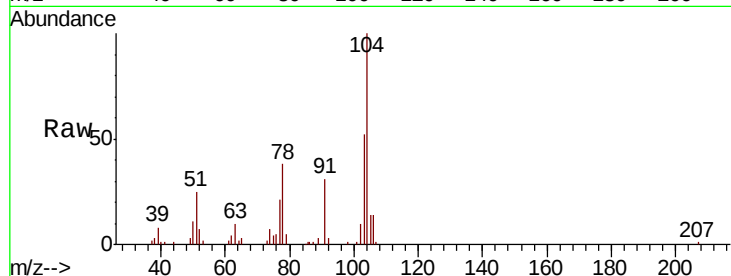
VSTD2.5403

Tot Ion:104 Resp: 21022

Ion Ratio Lower Upper

104 100

78 38.4 27.6 51.4



#57

1,1,2,2-Tetrachloroethane

Concen: 2.426 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

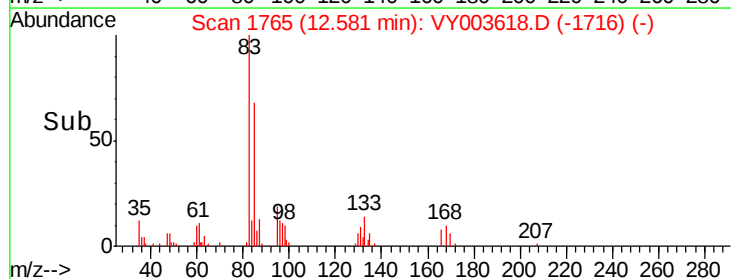
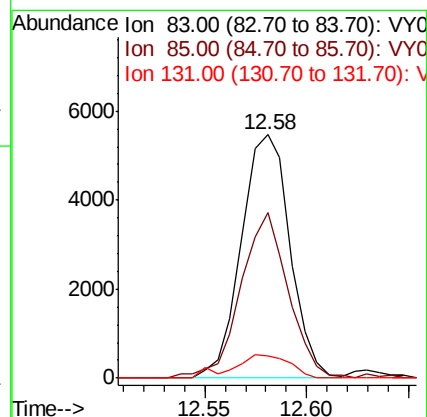
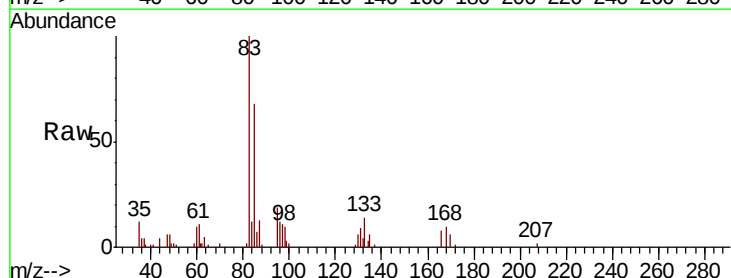
Tgt Ion: 83 Resp: 9076

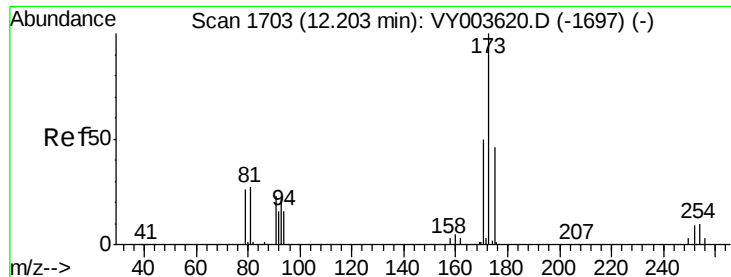
Ion Ratio Lower Upper

83 100

85 68.1 46.1 85.7

131 9.3 8.1 12.1





#59

Bromoform

Concen: 2.281 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.01 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5403

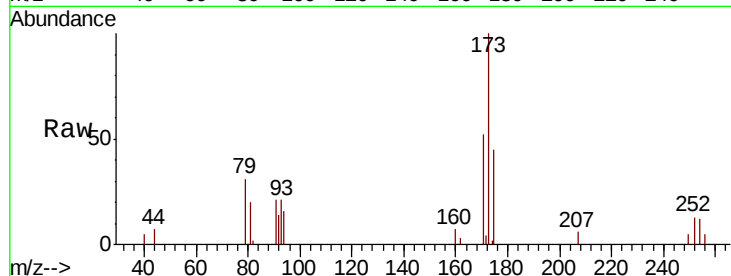
Tot Ion:173 Resp: 5014

Ion Ratio Lower Upper

173 100

175 51.4 38.2 57.4

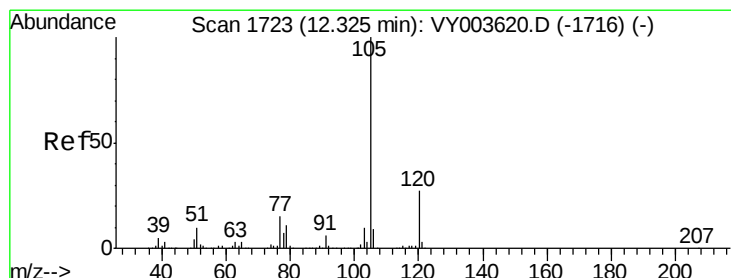
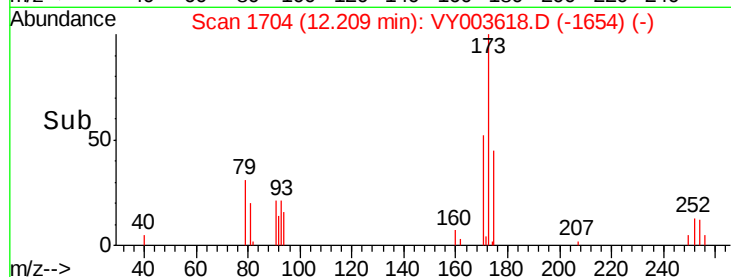
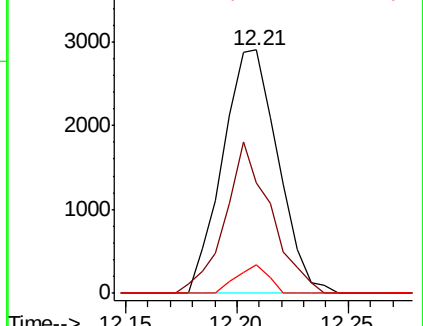
254 6.6 8.0 12.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 2.196 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. 0.00 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

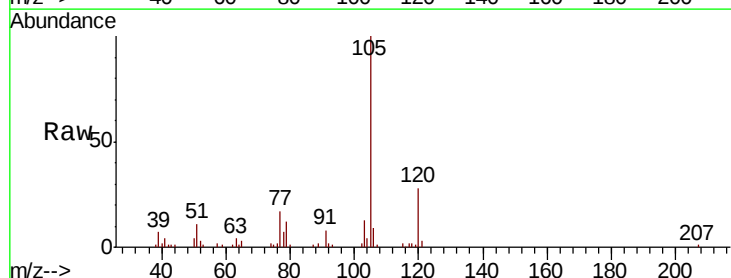
Tgt Ion:105 Resp: 31852

Ion Ratio Lower Upper

105 100

120 28.0 22.0 33.0

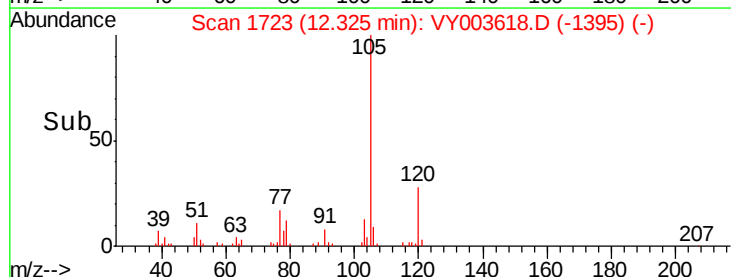
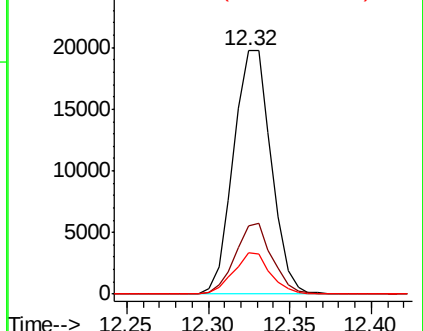
77 16.6 12.1 18.1

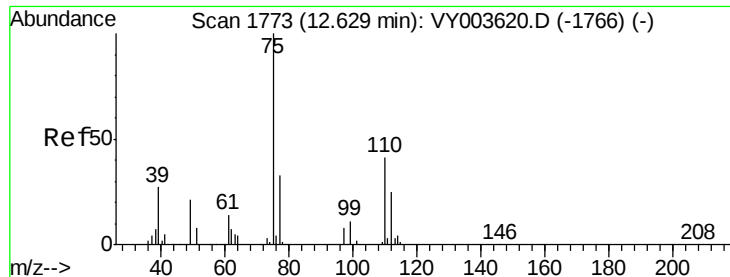


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0

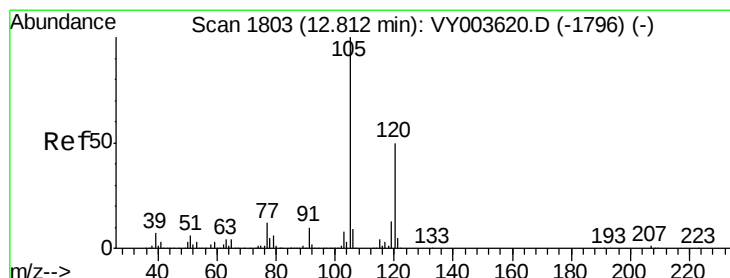
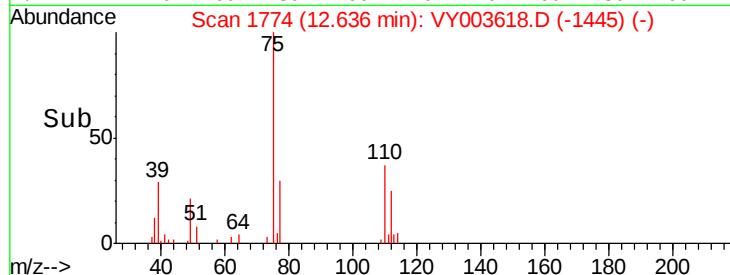
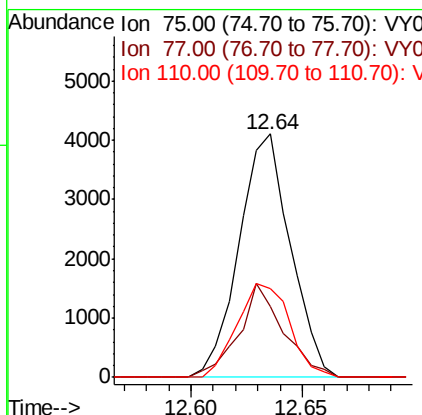
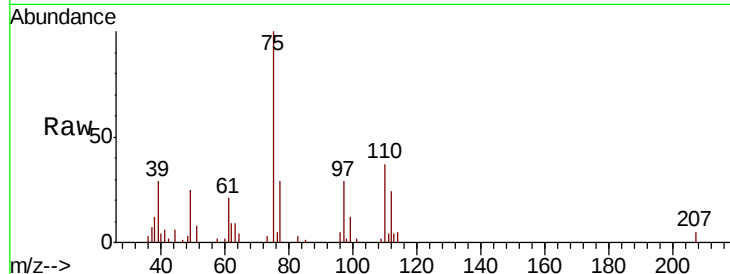




#61
 1,2,3-Trichloropropane
 Concen: 2.499 ug/L
 RT: 12.64 min Scan# 1774
 Delta R.T. 0.01 min
 Lab File: VY003618.D
 Acq: 25 Nov 2020 12:27

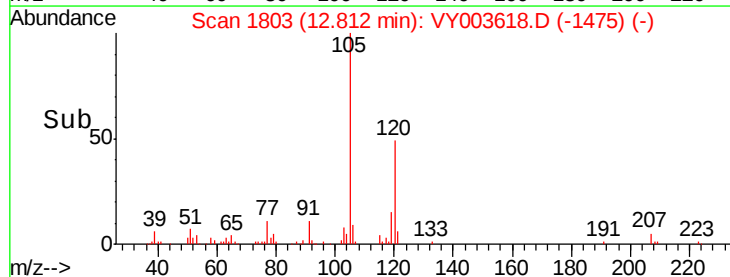
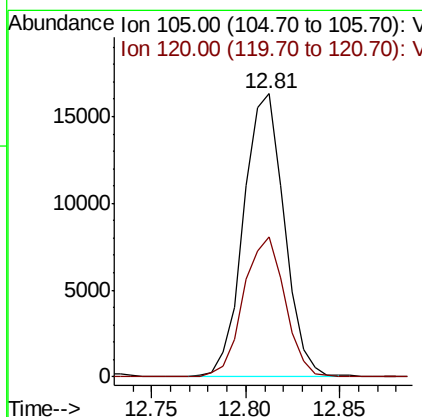
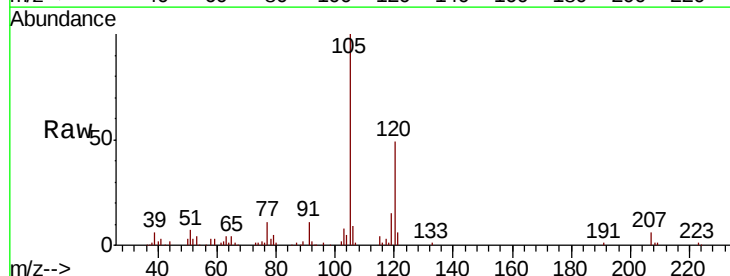
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

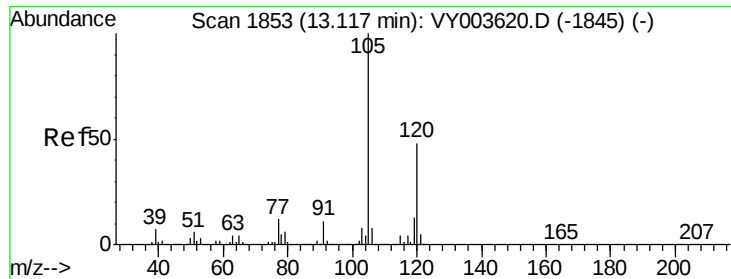
Tot Ion: 75 Resp: 6591
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.3 39.5
 110 39.4 33.0 49.4



#62
 1,3,5-Trimethylbenzene
 Concen: 2.145 ug/L
 RT: 12.81 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VY003618.D
 Acq: 25 Nov 2020 12:27

Tgt Ion: 105 Resp: 24475
 Ion Ratio Lower Upper
 105 100
 120 50.2 40.4 60.6

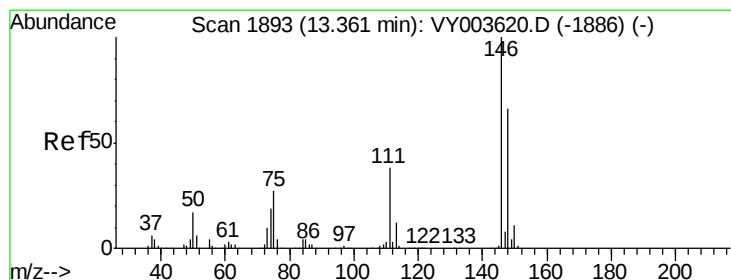
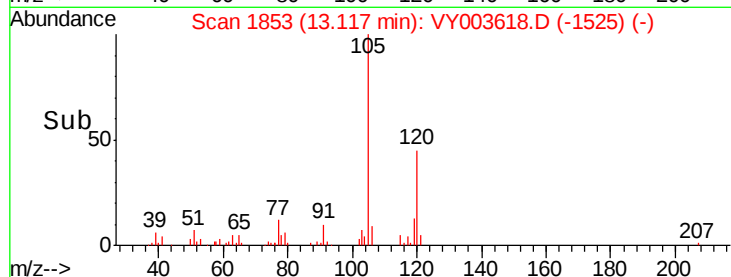
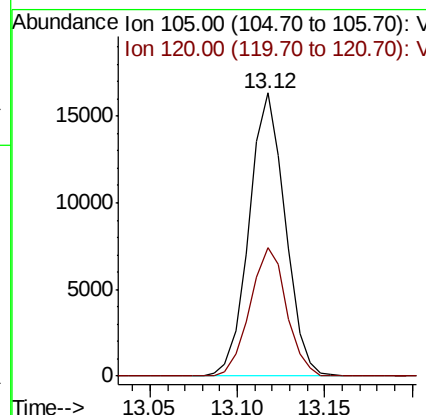
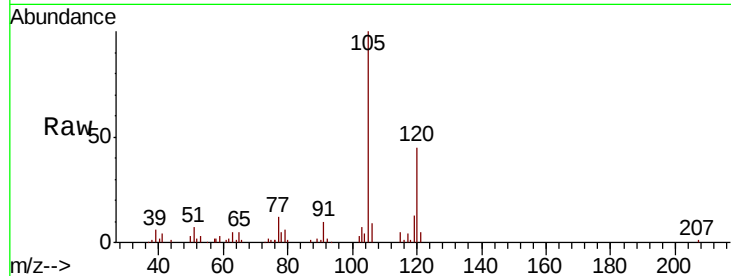




#63
 1,2,4-Trimethylbenzene
 Concen: 2.085 ug/L
 RT: 13.12 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VY003618.D
 Acq: 25 Nov 2020 12:27

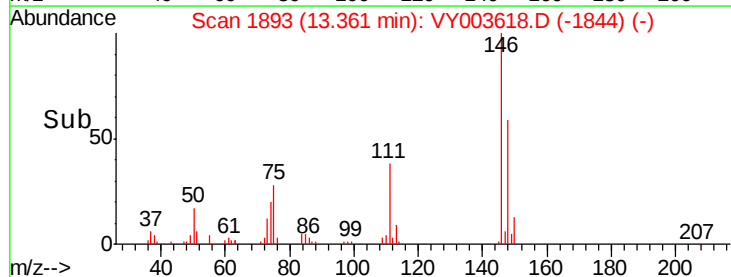
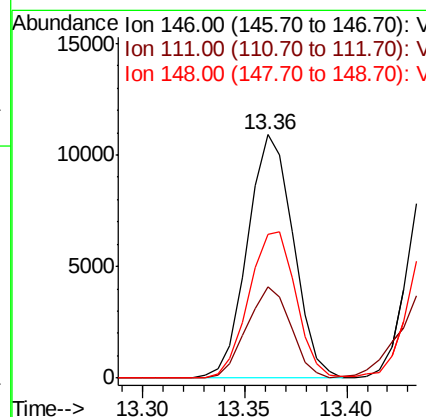
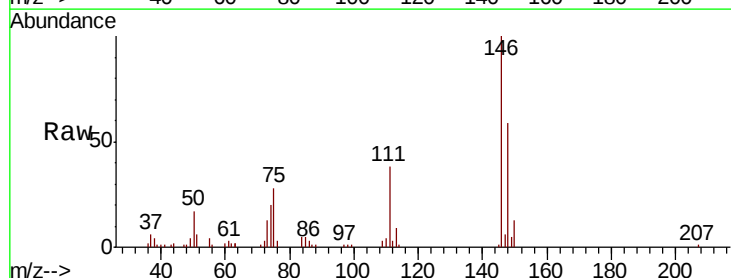
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

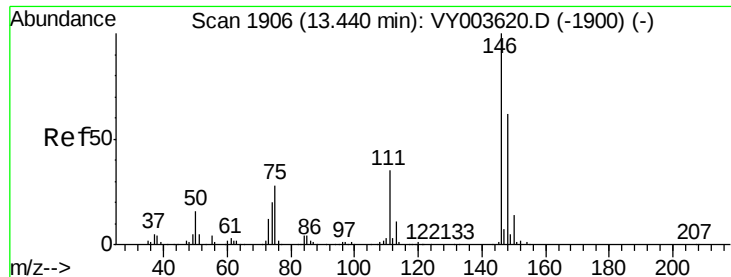
Tot Ion:105 Resp: 23369
 Ion Ratio Lower Upper
 105 100
 120 46.0 38.0 57.0



#64
 1,3-Dichlorobenzene
 Concen: 2.474 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VY003618.D
 Acq: 25 Nov 2020 12:27

Tgt Ion:146 Resp: 17032
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.6 49.4
 148 59.1 46.3 86.1

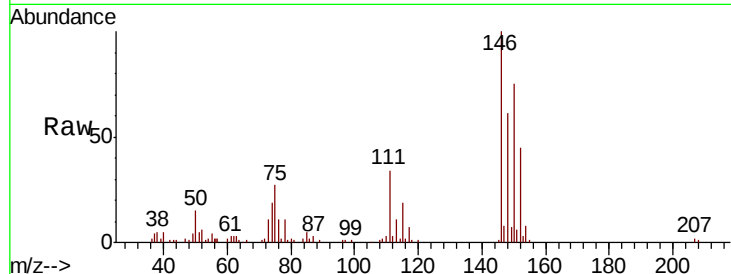




#65
 1,4-Dichlorobenzene
 Concen: 2.490 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. 0.01 min
 Lab File: VY003618.D
 Acq: 25 Nov 2020 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.5	24.7	45.9
148	61.3	43.4	80.6

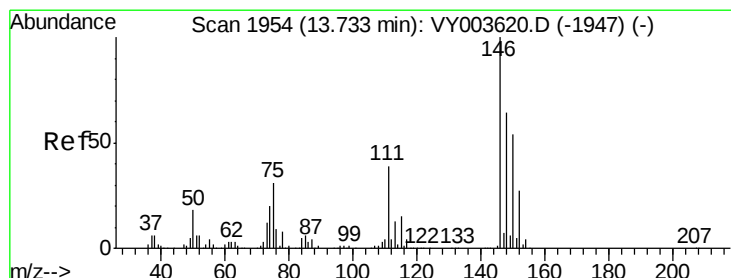
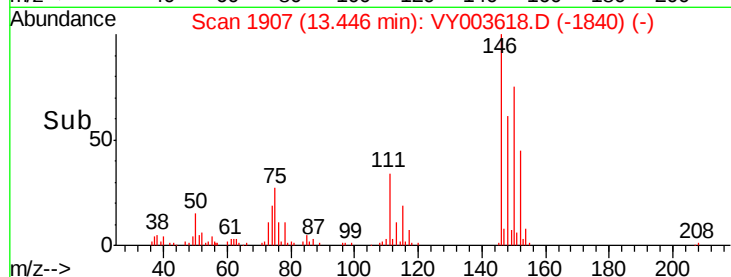
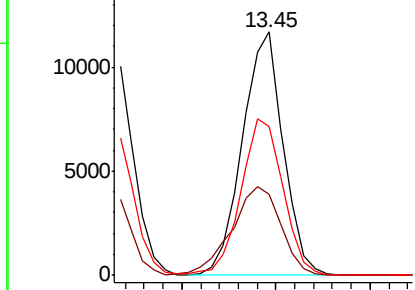


Abundance

Ion 146.00 (145.70 to 146.70): V

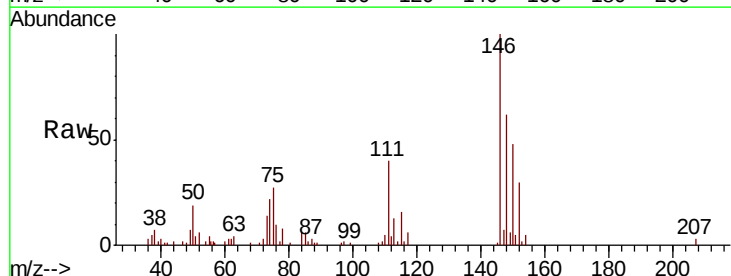
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67
 1,2-Dichlorobenzene
 Concen: 2.408 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VY003618.D
 Acq: 25 Nov 2020 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	31.0	46.6
148	62.4	51.0	76.4

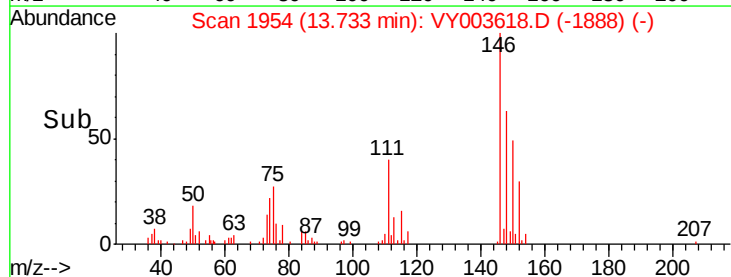
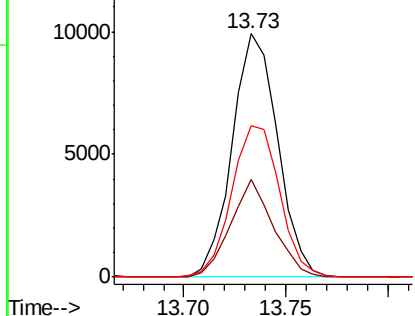


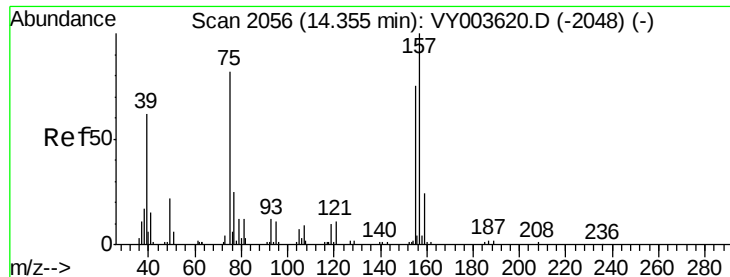
Abundance

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





#68

1,2-Dibromo-3-chloropropane

Concen: 2.703 ug/L

RT: 14.35 min Scan# 2055

Delta R.T. -0.01 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5403

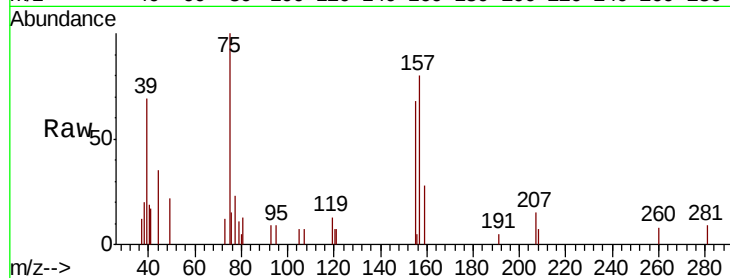
Tot Ion: 75 Resp: 1620

Ion Ratio Lower Upper

75 100

155 67.9 73.4 110.0#

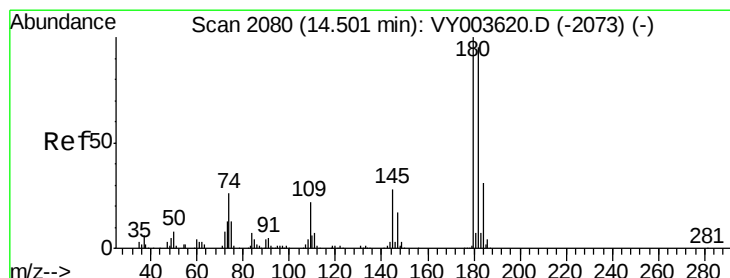
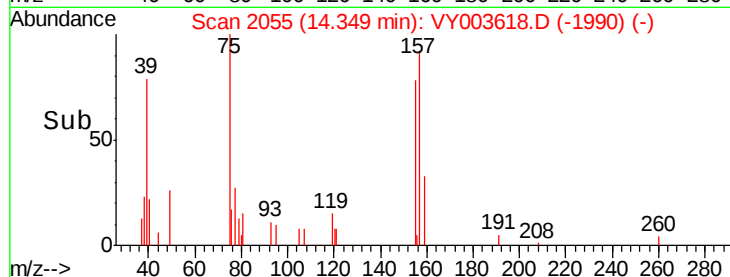
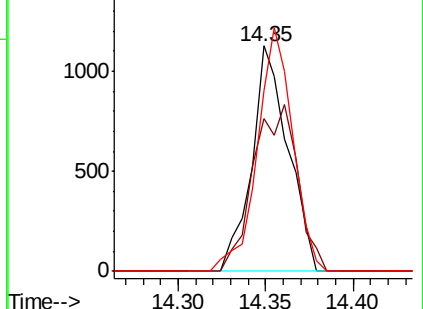
157 80.1 98.1 147.1#



Abundance Ion 75.00 (74.70 to 75.70): VY003620.D (-2048) (-)

Ion 155.00 (154.70 to 155.70): VY003620.D (-2048) (-)

Ion 157.00 (156.70 to 157.70): VY003620.D (-2048) (-)



#69

1,3,5-Trichlorobenzene

Concen: 2.381 ug/L

RT: 14.50 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Tgt Ion: 180 Resp: 11340

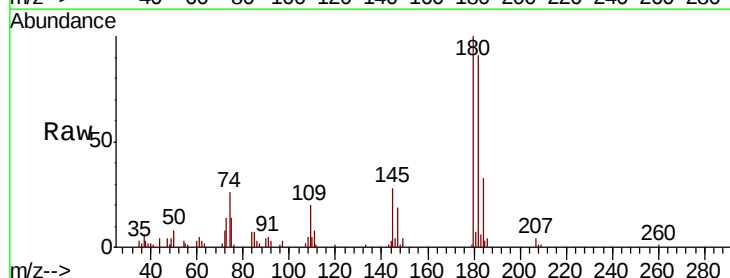
Ion Ratio Lower Upper

180 100

182 100.6 75.4 113.0

184 30.3 24.1 36.1

145 29.8 22.4 33.6

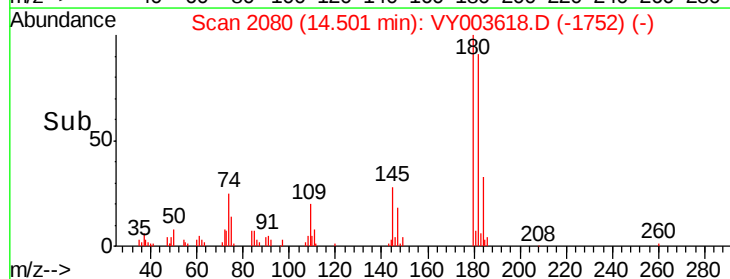
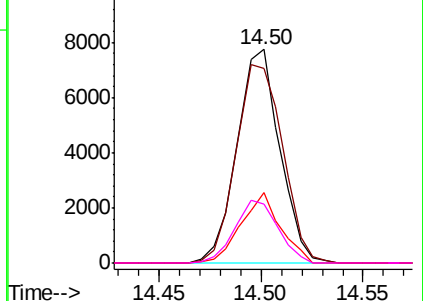


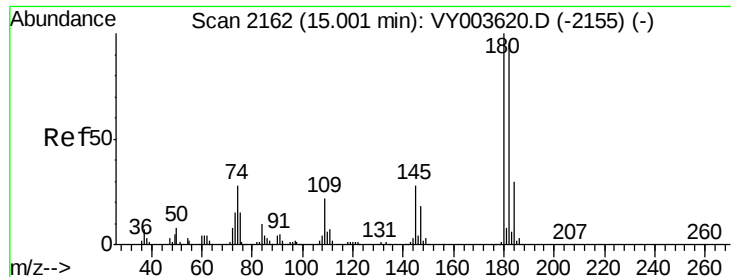
Abundance Ion 180.00 (179.70 to 180.70): VY003620.D (-2073) (-)

Ion 182.00 (181.70 to 182.70): VY003620.D (-2073) (-)

Ion 184.00 (183.70 to 184.70): VY003620.D (-2073) (-)

Ion 145.00 (144.70 to 145.70): VY003620.D (-2073) (-)





#70

1,2,4-trichlorobenzene

Concen: 2.276 ug/L

RT: 15.00 min Scan# 2162

Delta R.T. 0.00 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5403

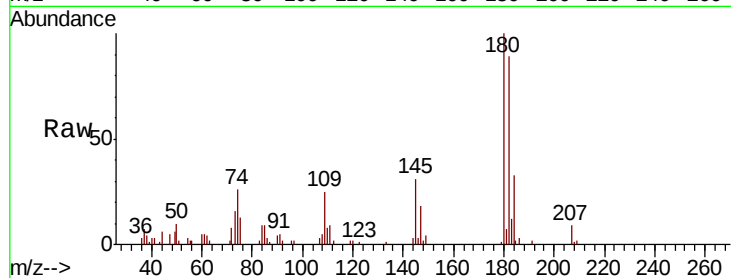
Tot Ion:180 Resp: 9333

Ion Ratio Lower Upper

180 100

182 92.4 76.1 114.1

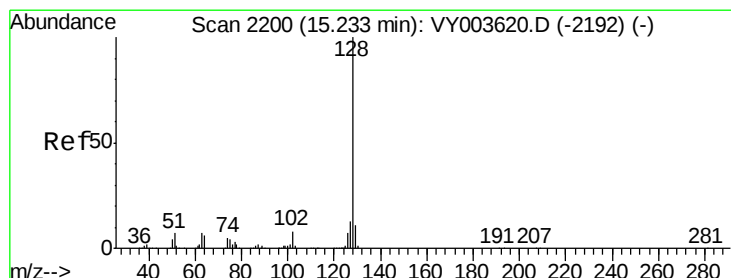
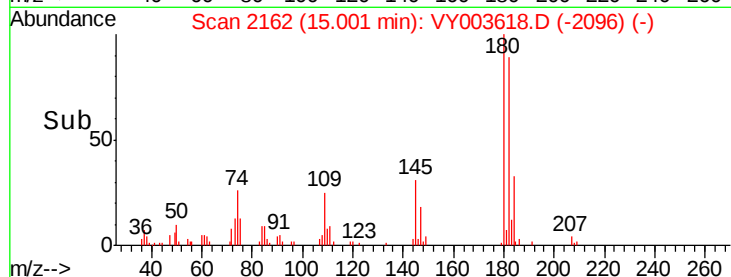
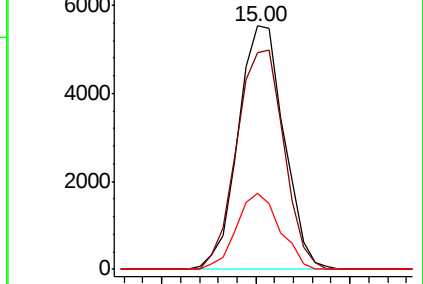
145 29.6 22.8 34.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#71

Naphthalene

Concen: 2.093 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VY003618.D

Acq: 25 Nov 2020 12:27

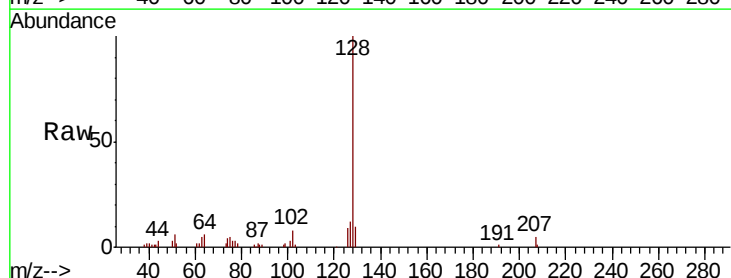
Tgt Ion:128 Resp: 17876

Ion Ratio Lower Upper

128 100

127 13.9 10.4 15.6

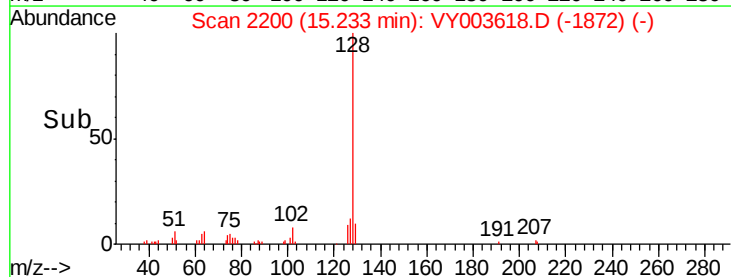
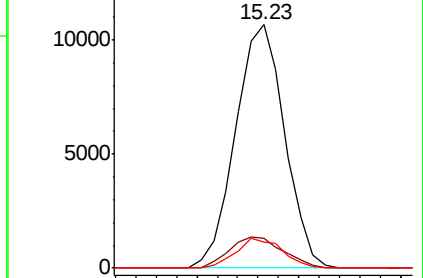
129 11.5 8.5 12.7

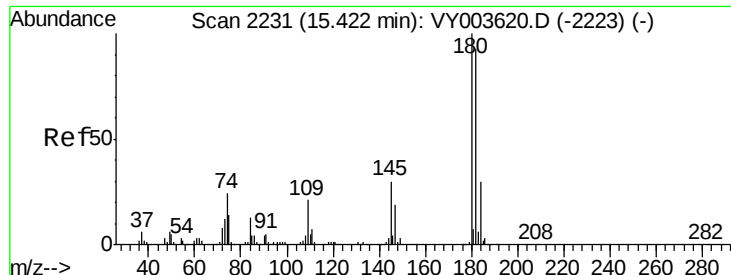


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#72
 1,2,3-Trichlorobenzene
 Concen: 2.364 ug/L
 RT: 15.42 min Scan# 2231
 Delta R.T. 0.00 min
 Lab File: VY003618.D
 Acq: 25 Nov 2020 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

Tot Ion:	180	Resp:	8892
Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.2	114.4
145	29.6	23.6	35.4

