

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092820\
 Data File : VW016658.D
 Acq On : 28 Sep 2020 10:04
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Sep 29 05:24:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 28 11:58:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	648910	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	584957	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	297073	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	116362	18.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.12%
7) Chloroethane-d5	2.90	69	105954	20.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.64%
10) 1,1-Dichloroethene-d2	4.03	63	286658	20.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.64%
20) 2-Butanone-d5	7.08	46	96245	56.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.40%
24) Chloroform-d	7.65	84	348335	25.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.64%
26) 1,2-Dichloroethane-d4	8.31	65	180047	25.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.36%
29) Benzene-d6	8.28	84	587445	22.39	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.56%
33) 1,2-Dichloropropane-d6	9.28	67	178686	25.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.52%
37) Toluene-d8	10.33	98	538105	20.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.40%
38) trans-1,3-Dichloropropene-	10.58	79	90873	25.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.44%
39) 2-Hexanone-d5	10.93	63	81119	62.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	174165	28.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.16%
61) 1,2-Dichlorobenzene-d4	13.86	152	245142	25.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	176931	22.071 ug/L	96
3) Chloromethane	2.23	50	140601	23.970 ug/L	99
5) Vinyl chloride	2.37	62	208964	24.141 ug/L	100
6) Bromomethane	2.79	94	147583	22.470 ug/L	100
8) Chloroethane	2.94	64	124906	24.393 ug/L	100
9) Trichlorofluoromethane	3.27	101	191610	21.956 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	203340	24.321 ug/L	99
12) 1,1-Dichloroethene	4.05	96	200834	24.434 ug/L	95
13) Acetone	4.14	43	63963	47.682 ug/L	96
14) Carbon disulfide	4.40	76	567174	22.872 ug/L	99
15) Methyl Acetate	4.68	43	75923	24.856 ug/L	100
16) Methylene chloride	4.92	84	203343	20.317 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	276098	24.525 ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	208278	24.469 ug/L	97
19) 1,1-Dichloroethane	6.23	63	334568	24.855 ug/L	99
21) 2-Butanone	7.18	43	97049	42.525 ug/L	95
22) cis-1,2-Dichloroethene	7.18	96	221475	25.077 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092820\
 Data File : VW016658.D
 Acq On : 28 Sep 2020 10:04
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Sep 29 05:24:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 28 11:58:57 2020
 Response via : Initial Calibration

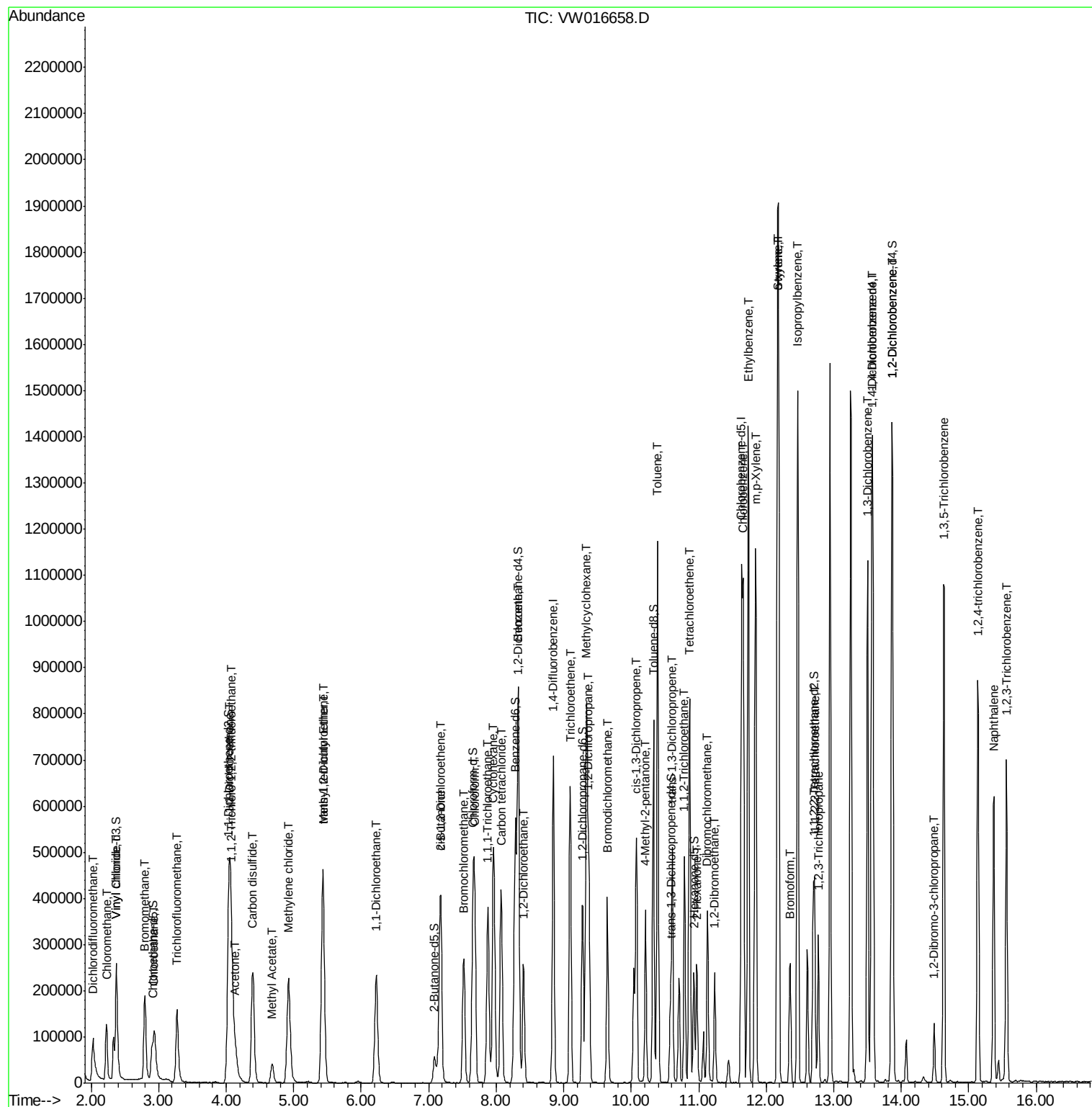
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	107197	24.967	ug/L	97
25) Chloroform	7.68	83	369531	25.179	ug/L	100
27) 1,2-Dichloroethane	8.40	62	239852	25.471	ug/L	100
30) Cyclohexane	7.96	56	295696	23.132	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	327935	24.004	ug/L	99
32) Carbon tetrachloride	8.07	117	321893	24.252	ug/L	98
34) Benzene	8.33	78	771510	24.607	ug/L	100
35) Trichloroethene	9.10	95	223241	24.610	ug/L	98
36) Methylcyclohexane	9.34	83	363529	23.627	ug/L	99
40) 1,2-Dichloropropane	9.37	63	177139	24.292	ug/L	100
41) Bromodichloromethane	9.65	83	272365	25.205	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	314037	25.213	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	224494	48.456	ug/L	98
44) Toluene	10.39	91	869538	24.664	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	276399	25.505	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	157741	25.677	ug/L	99
47) Tetrachloroethene	10.87	164	196540	23.995	ug/L	95
49) 2-Hexanone	10.97	43	153907	52.344	ug/L	97
50) Dibromochloromethane	11.13	129	203519	25.375	ug/L	97
51) 1,2-Dibromoethane	11.24	107	156577	25.457	ug/L	95
52) Chlorobenzene	11.66	112	581441	24.553	ug/L	100
53) Ethylbenzene	11.73	91	993504	24.821	ug/L	97
54) m,p-Xylene	11.84	106	387671	24.735	ug/L	98
55) o-xylene	12.16	106	369311	24.595	ug/L	96
56) Styrene	12.18	104	638147	25.594	ug/L	96
57) Isopropylbenzene	12.46	105	1027942	25.054	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	175141	25.494	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	131104	25.622	ug/L	99
62) Bromoform	12.35	173	124134	24.774	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	482548	24.973	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	479053	25.316	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	431502	24.992	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	31303	25.293	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	362430	25.647	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	297600	26.033	ug/L	97
69) Naphthalene	15.37	128	555802	27.426	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	257123	26.152	ug/L	97

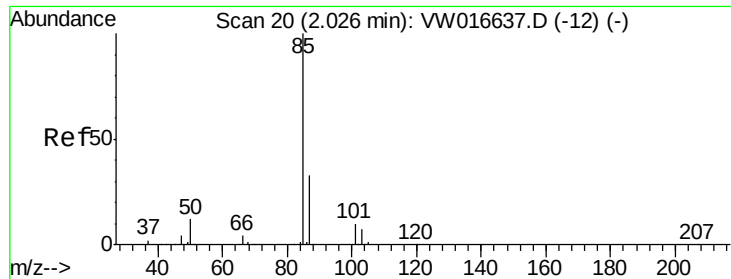
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092820\
 Data File : VW016658.D
 Acq On : 28 Sep 2020 10:04
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Sep 29 05:24:26 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 28 11:58:57 2020
 Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.071 ug/L

RT: 2.03 min Scan# 20

Delta R.T. -0.00 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

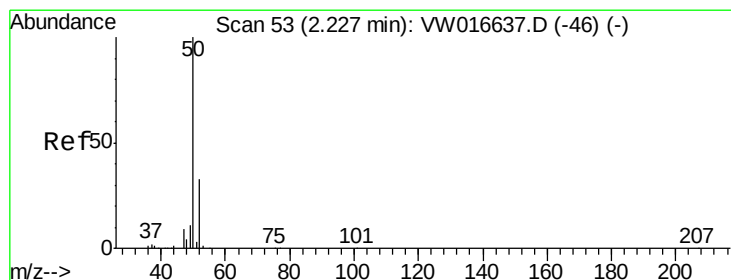
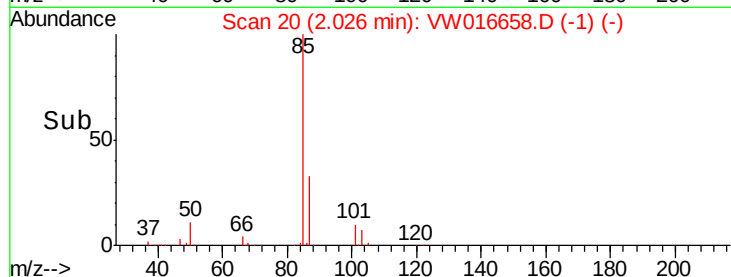
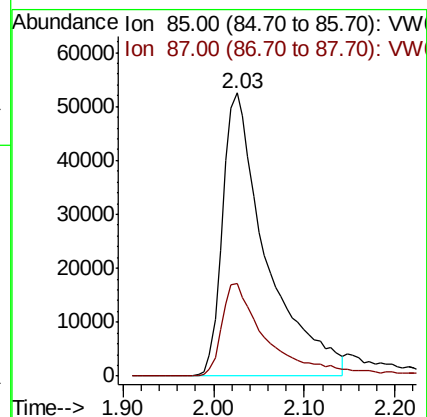
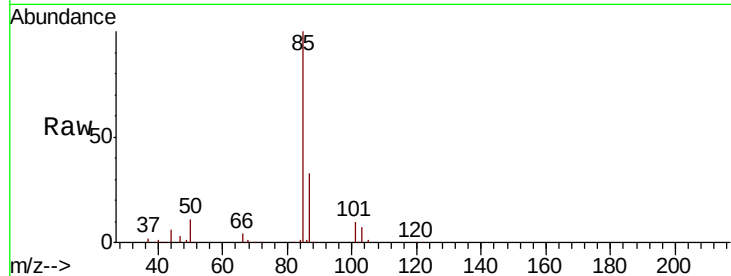
VSTD02509

Tot Ion: 85 Resp: 176931

Ion Ratio Lower Upper

85 100

87 33.8 22.2 41.2



#3

Chloromethane

Concen: 23.970 ug/L

RT: 2.23 min Scan# 53

Delta R.T. -0.00 min

Lab File: VW016658.D

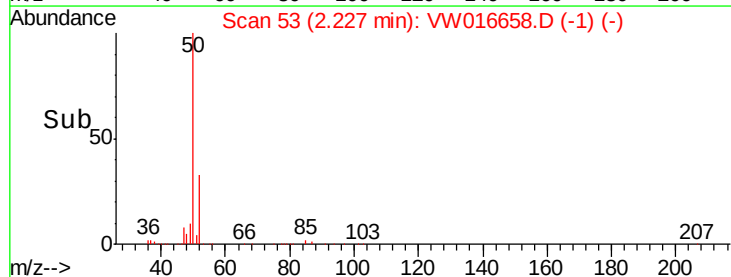
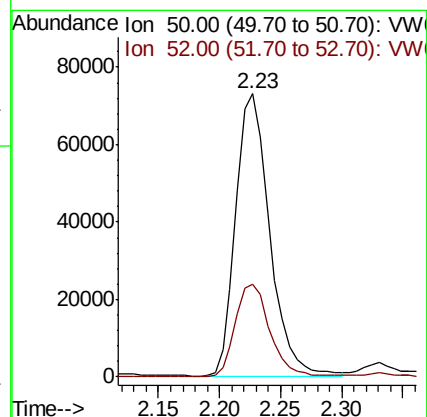
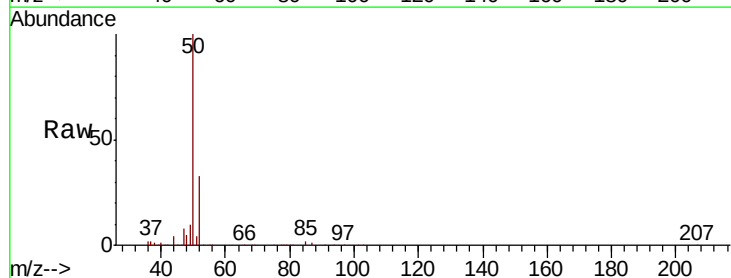
Acq: 28 Sep 2020 10:04

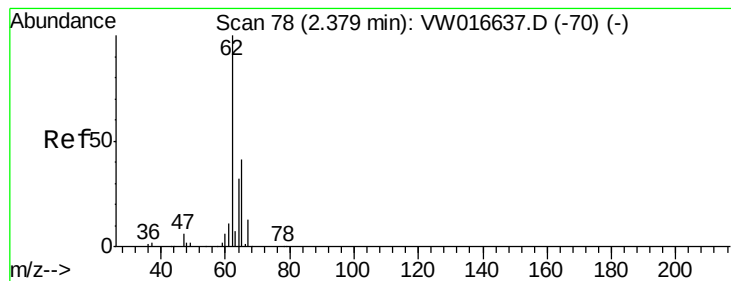
Tgt Ion: 50 Resp: 140601

Ion Ratio Lower Upper

50 100

52 32.8 22.4 41.6





#5

Vinyl chloride

Concen: 24.141 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.01 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

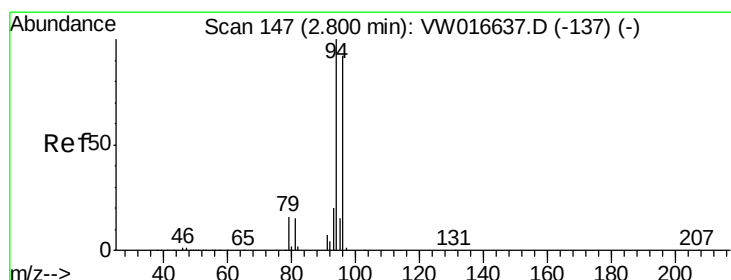
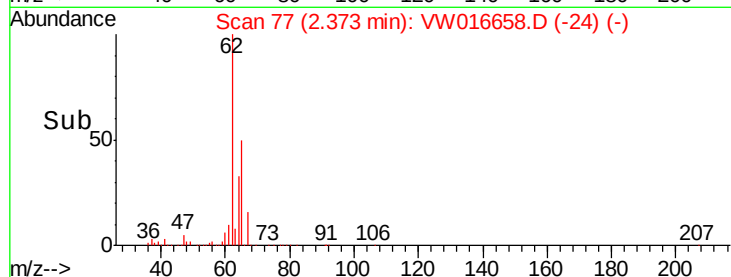
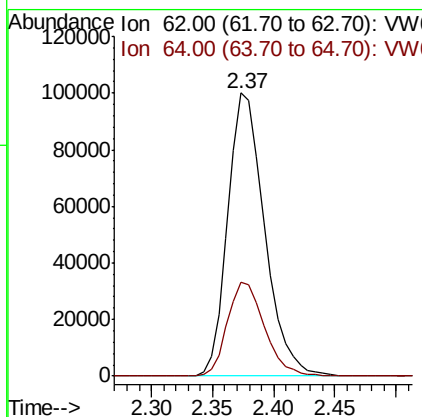
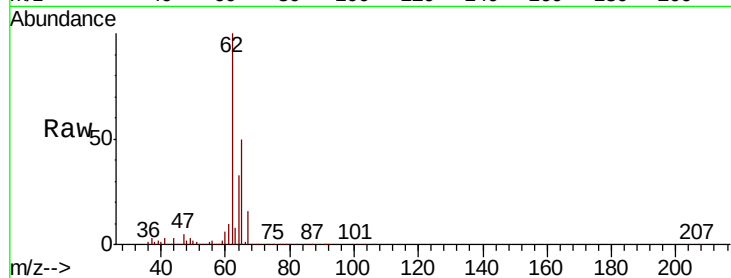
VSTD02509

Tot Ion: 62 Resp: 208964

Ion Ratio Lower Upper

62 100

64 33.2 23.4 43.4



#6

Bromomethane

Concen: 22.470 ug/L

RT: 2.79 min Scan# 146

Delta R.T. -0.01 min

Lab File: VW016658.D

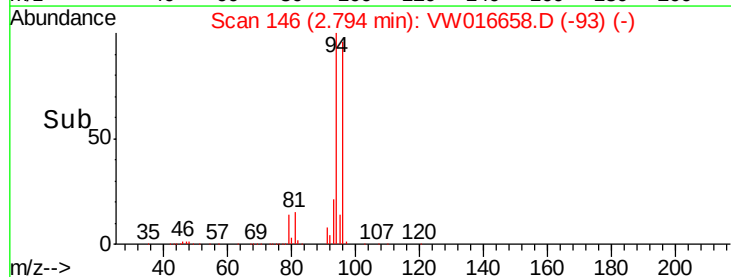
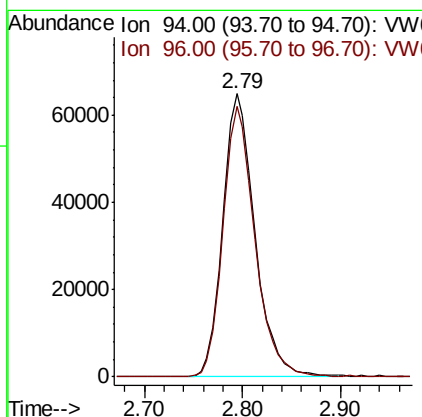
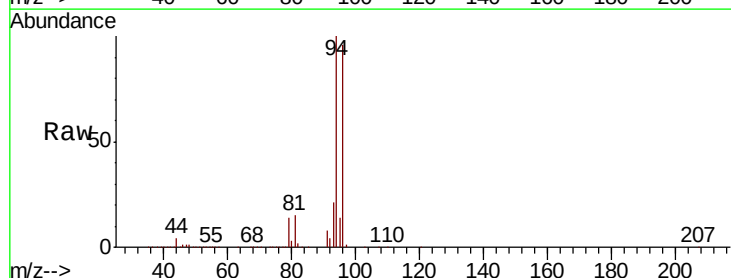
Acq: 28 Sep 2020 10:04

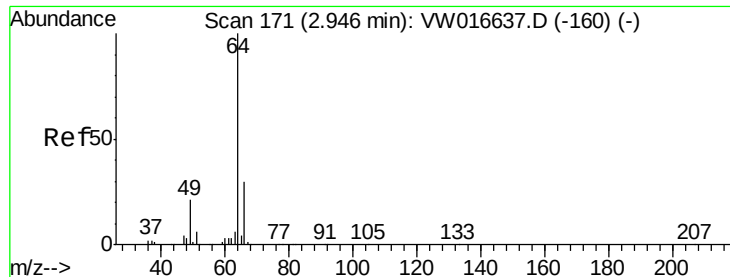
Tgt Ion: 94 Resp: 147583

Ion Ratio Lower Upper

94 100

96 95.2 9.6 181.6





#8

Chloroethane

Concen: 24.393 ug/L

RT: 2.94 min Scan# 170

Delta R.T. -0.01 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

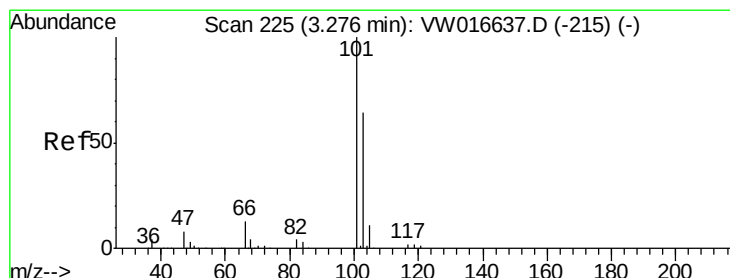
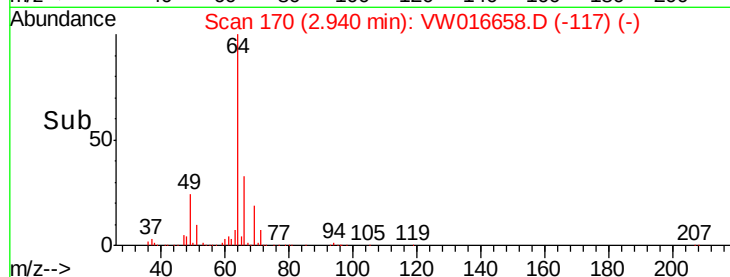
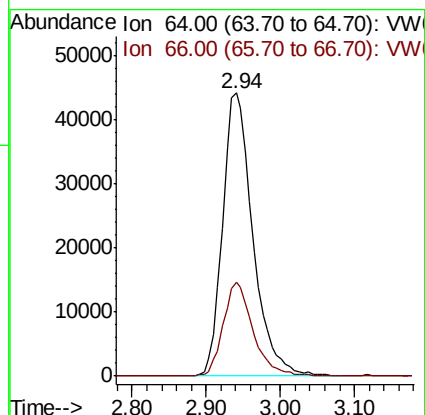
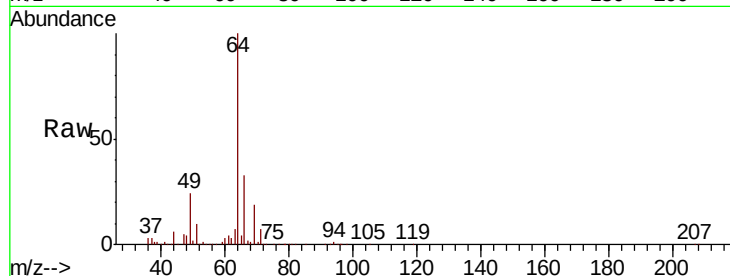
VSTD02509

Tot Ion: 64 Resp: 124906

Ion Ratio Lower Upper

64 100

66 33.3 23.2 43.2



#9

Trichlorofluoromethane

Concen: 21.956 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.01 min

Lab File: VW016658.D

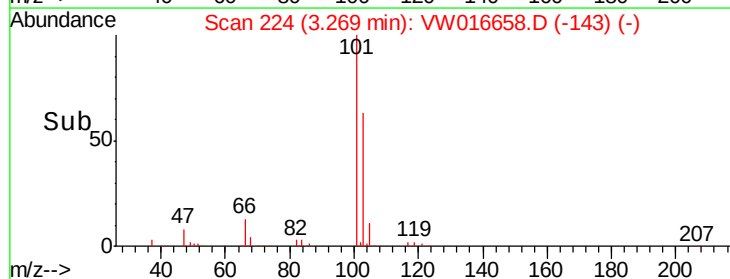
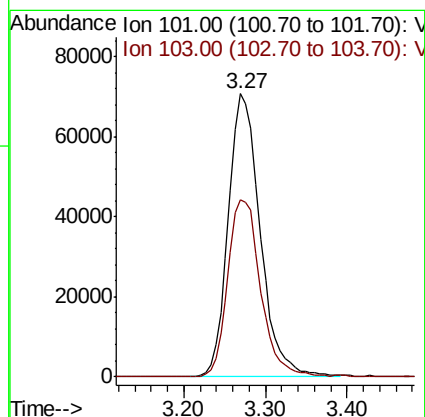
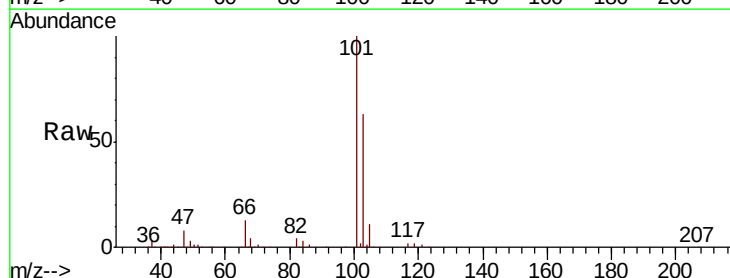
Acq: 28 Sep 2020 10:04

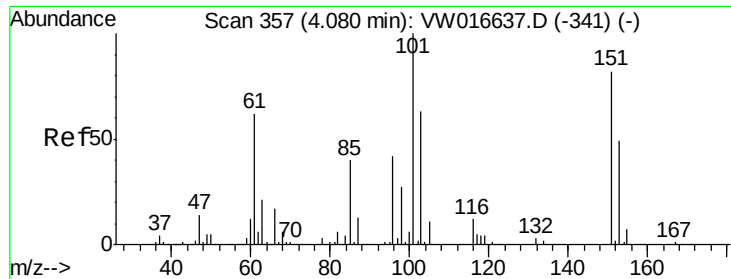
Tgt Ion: 101 Resp: 191610

Ion Ratio Lower Upper

101 100

103 64.3 45.2 84.0





#11

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

Concen: 24.321 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.00 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

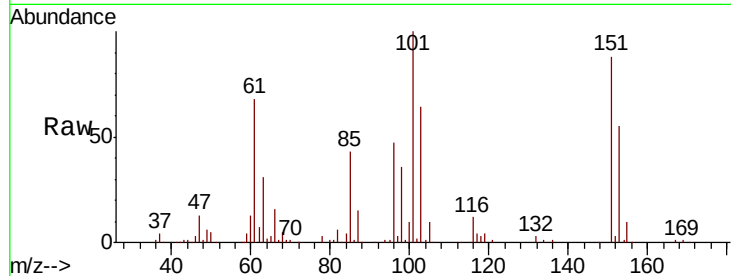
Tot Ion:101 Resp: 203340

Ion Ratio Lower Upper

101 100

85 40.2 32.6 49.0

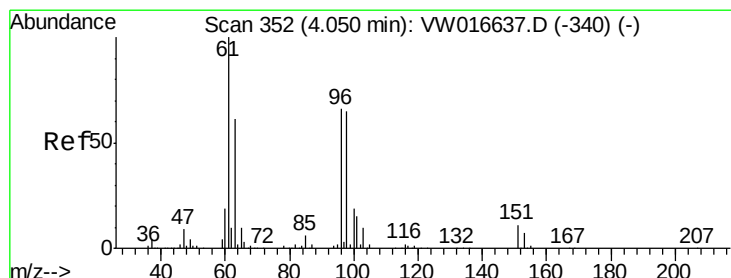
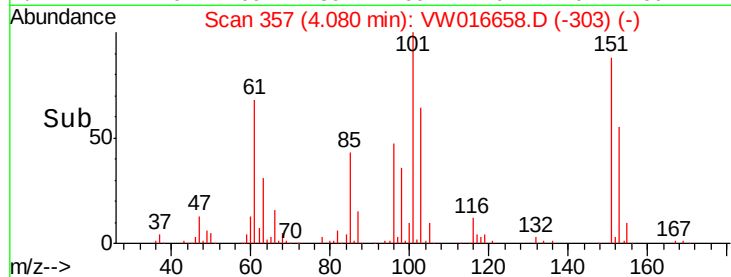
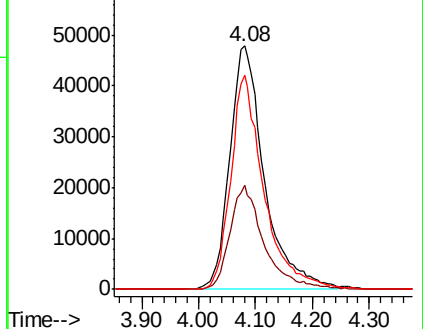
151 83.9 66.0 99.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.434 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

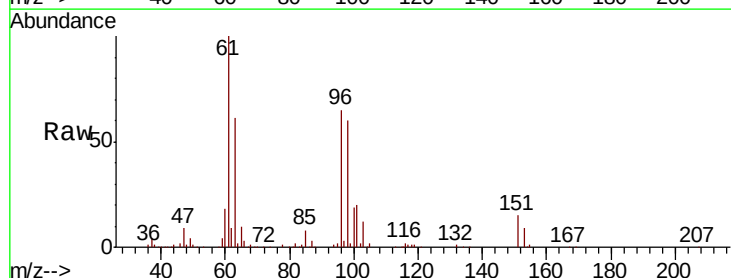
Tgt Ion: 96 Resp: 200834

Ion Ratio Lower Upper

96 100

61 155.0 111.4 206.8

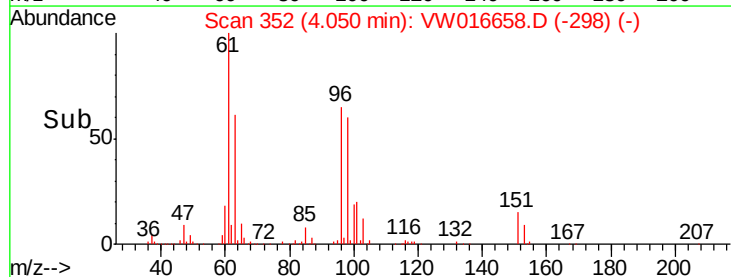
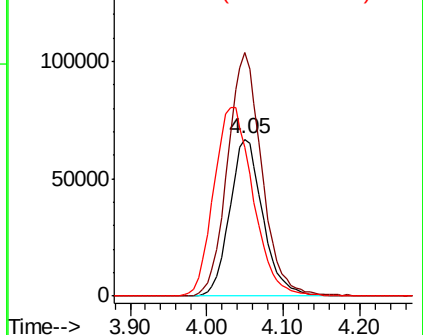
63 95.0 73.0 135.6

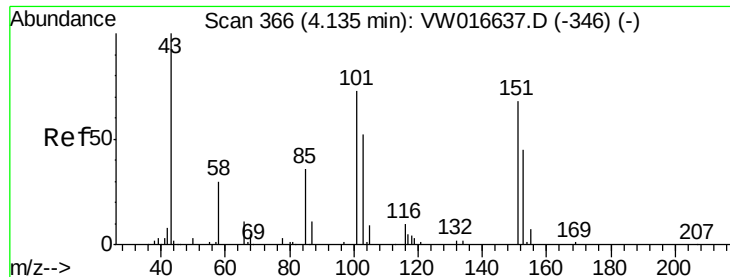


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

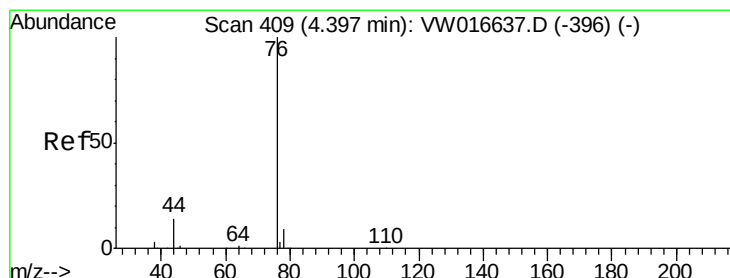
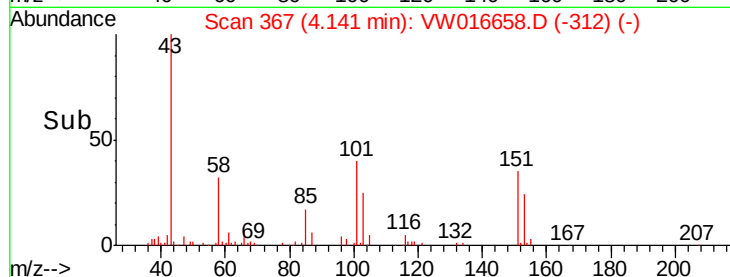
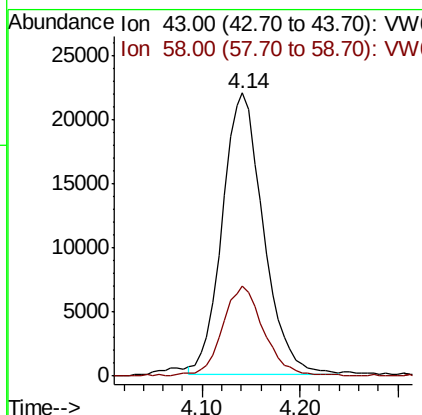
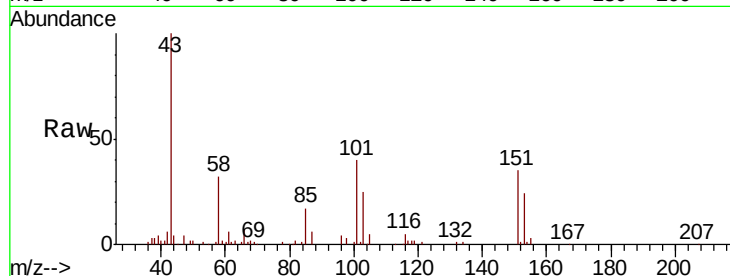




#13
Acetone
Concen: 47.682 ug/L
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW016658.D
Acq: 28 Sep 2020 10:04

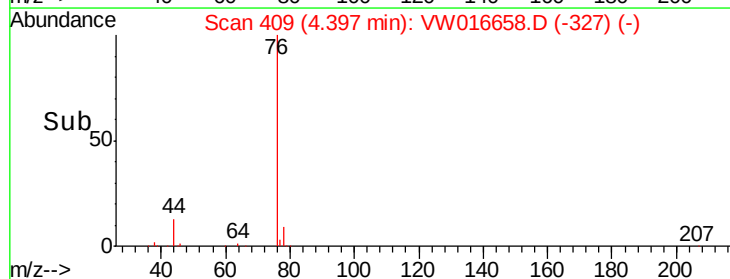
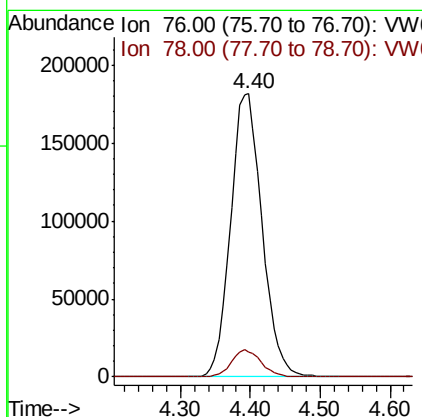
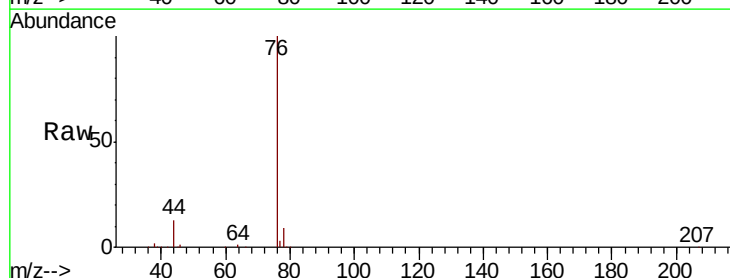
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

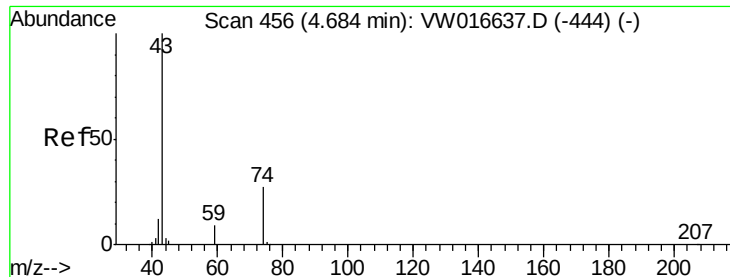
Tot Ion: 43 Resp: 63963
Ion Ratio Lower Upper
43 100
58 32.3 0.0 60.2



#14
Carbon disulfide
Concen: 22.872 ug/L
RT: 4.40 min Scan# 409
Delta R.T. -0.00 min
Lab File: VW016658.D
Acq: 28 Sep 2020 10:04

Tgt Ion: 76 Resp: 567174
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9

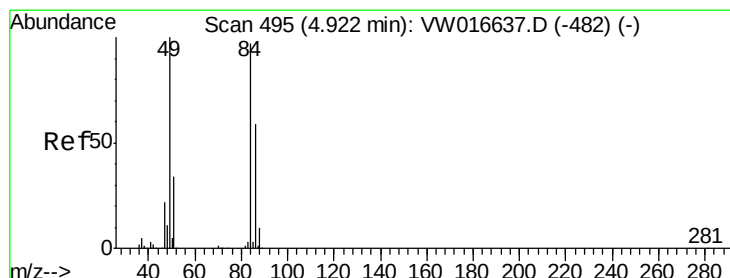
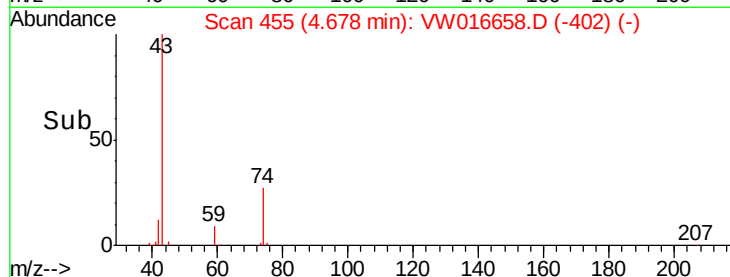
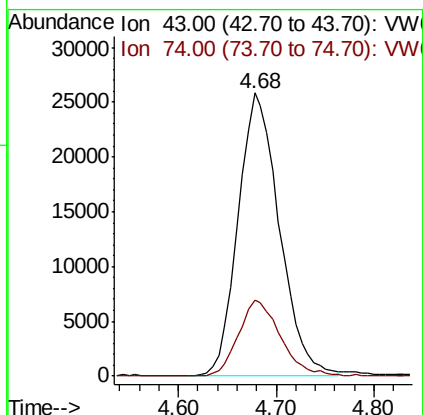
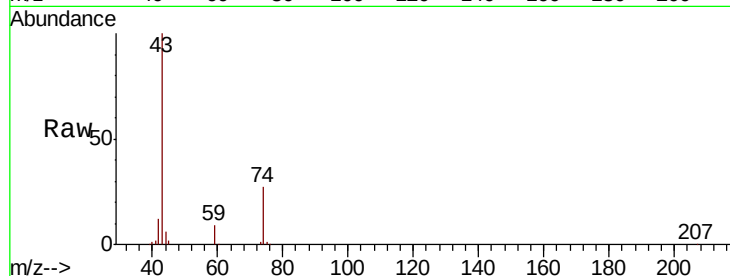




#15
Methvl Acetate
Concen: 24.856 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW016658.D
Acq: 28 Sep 2020 10:04

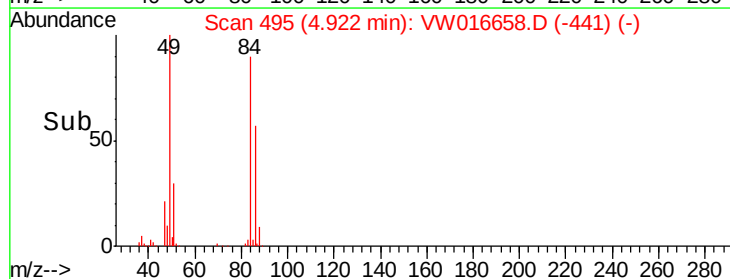
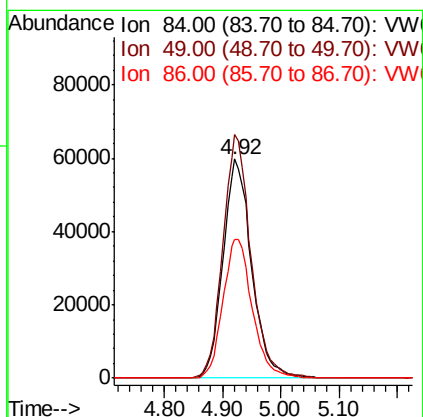
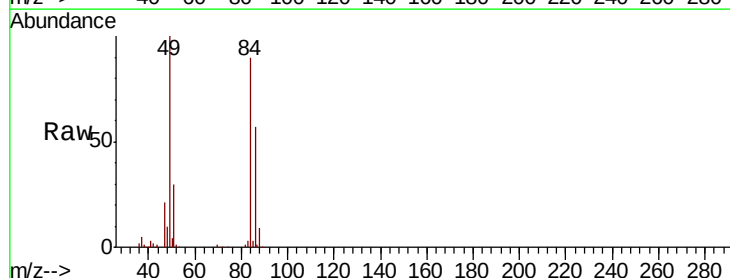
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

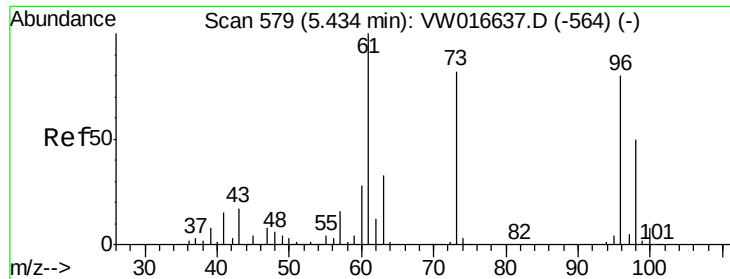
Tot Ion: 43 Resp: 75923
Ion Ratio Lower Upper
43 100
74 27.1 21.5 32.3



#16
Methylene chloride
Concen: 20.317 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW016658.D
Acq: 28 Sep 2020 10:04

Tgt Ion: 84 Resp: 203343
Ion Ratio Lower Upper
84 100
49 111.0 76.0 141.2
86 63.2 45.6 84.6

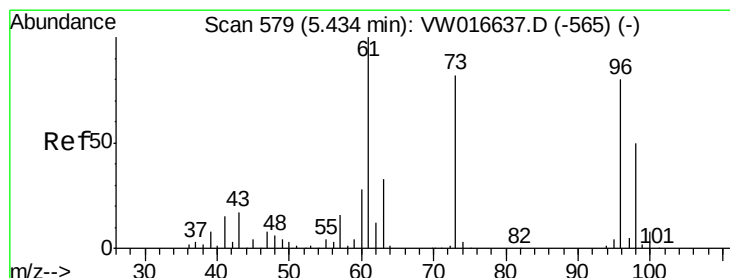
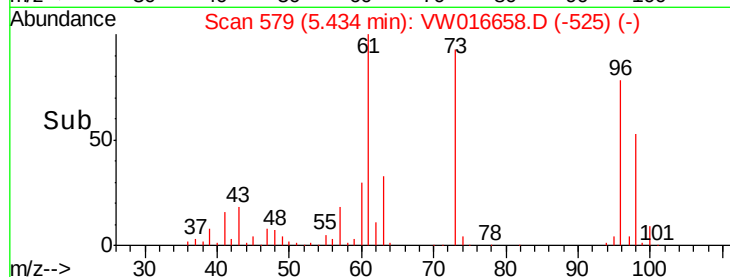
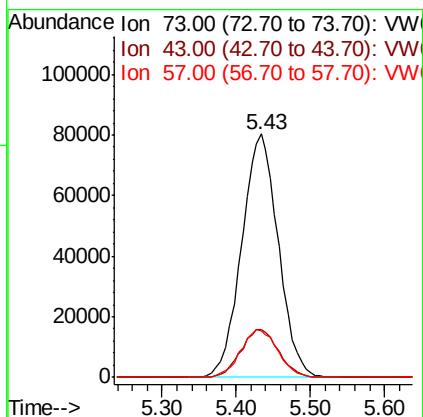
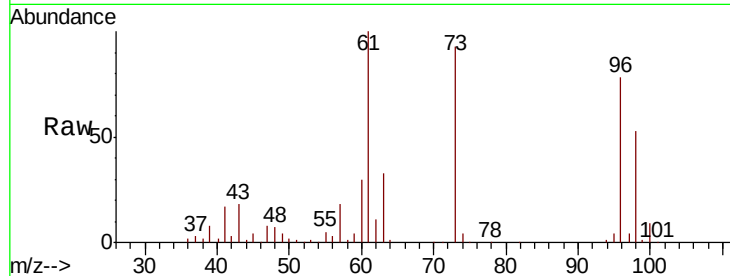




#17
Methyl tert-butyl Ether
Concen: 24.525 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW016658.D
Acq: 28 Sep 2020 10:04

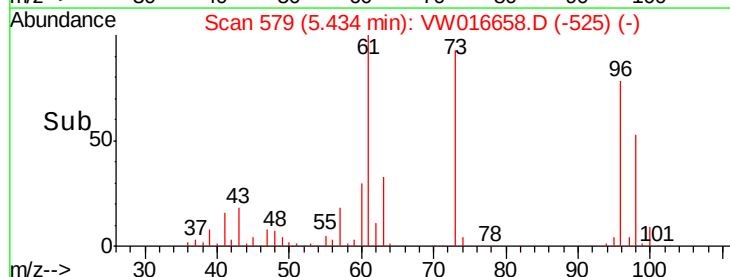
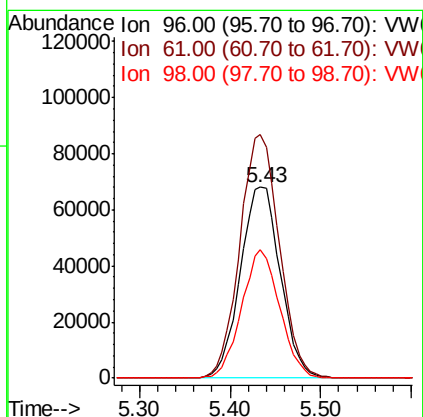
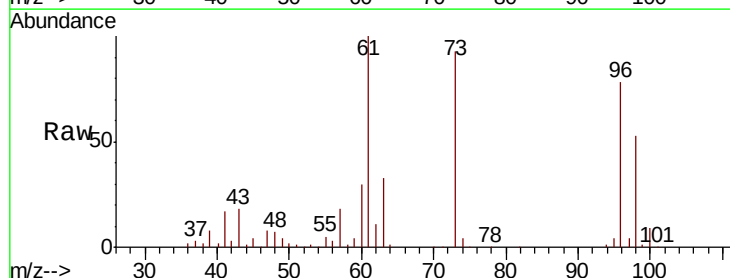
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

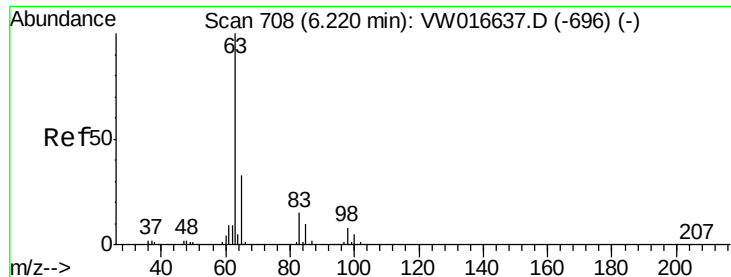
Tot Ion: 73 Resp: 276098
Ion Ratio Lower Upper
73 100
43 20.4 17.2 25.8
57 20.0 16.3 24.5



#18
trans-1,2-Dichloroethene
Concen: 24.469 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW016658.D
Acq: 28 Sep 2020 10:04

Tgt Ion: 96 Resp: 208278
Ion Ratio Lower Upper
96 100
61 127.8 88.4 164.2
98 67.2 43.0 80.0

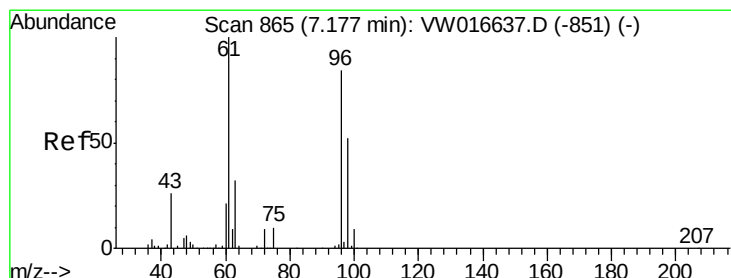
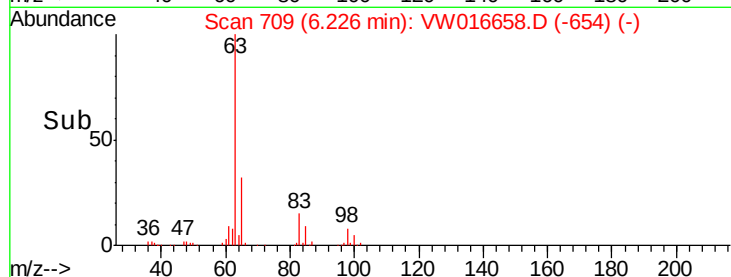
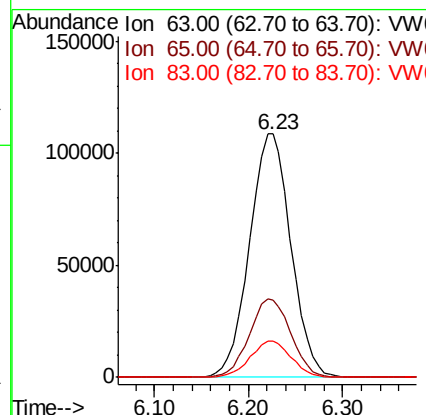
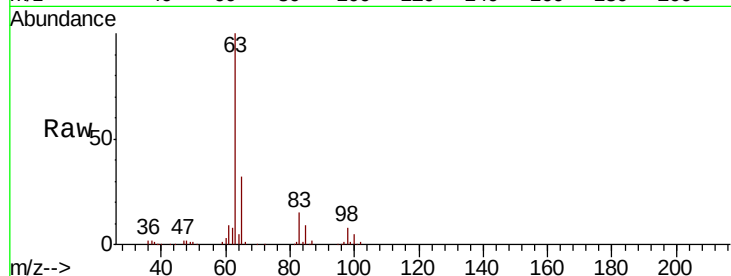




#19
 1,1-Dichloroethane
 Concen: 24.855 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

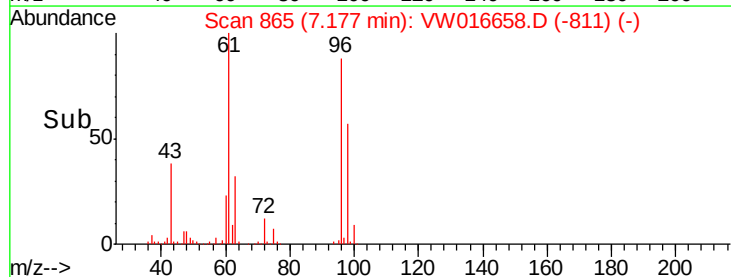
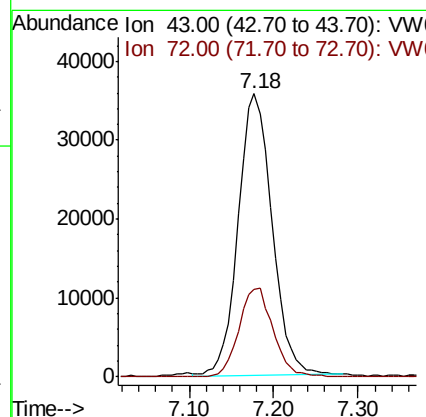
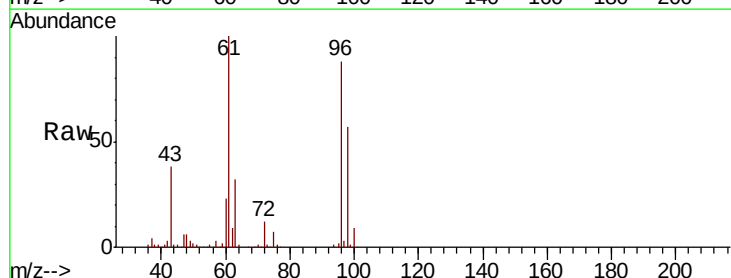
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02509

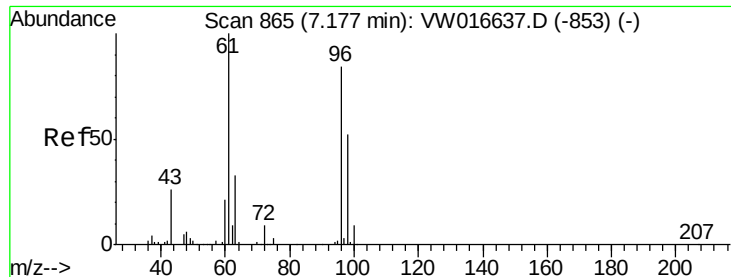
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	21.6	40.0
83	14.9	10.4	19.2



#21
 2-Butanone
 Concen: 42.525 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

Tgt Ion	Ratio	Lower	Upper
43	100		
72	31.8	14.6	43.8



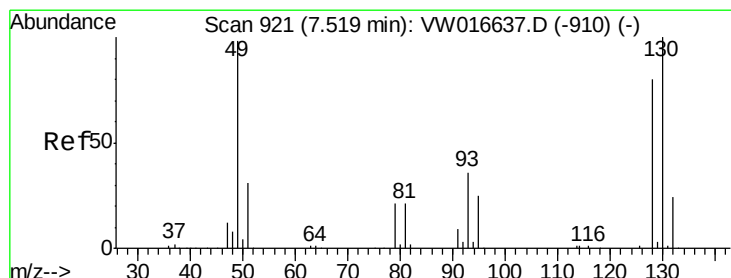
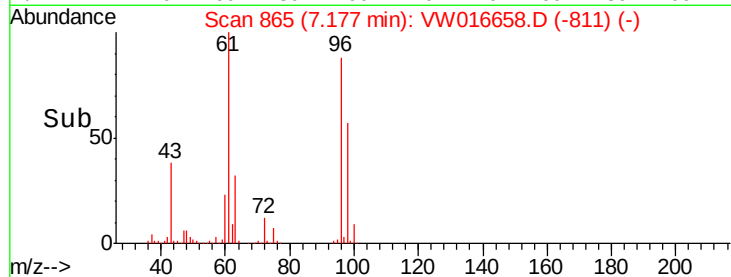
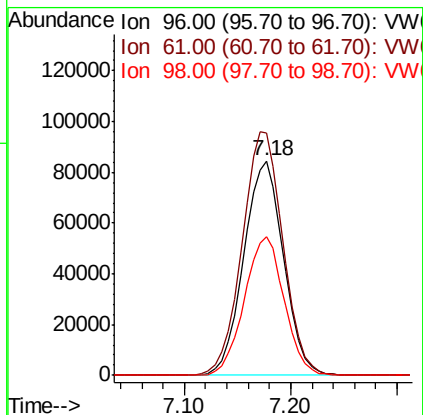
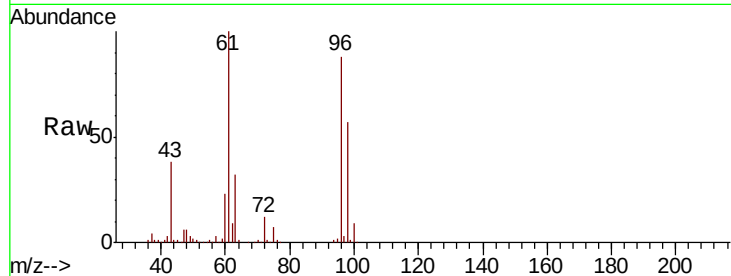


#22

cis-1,2-Dichloroethene
 Concen: 25.077 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

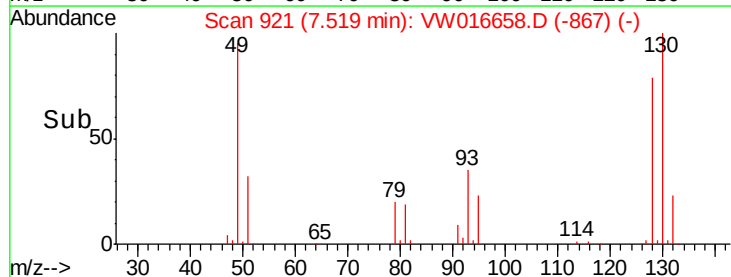
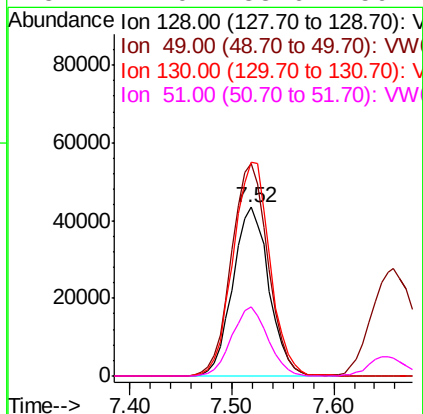
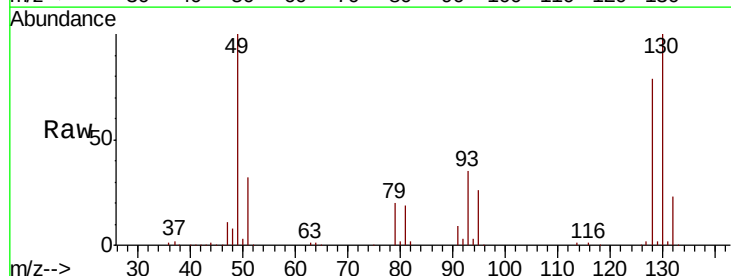
Tot Ion	96	Resp	221475
Ion Ratio	Lower	Upper	
96	100		
61	113.3	78.4	145.6
98	64.4	44.8	83.2

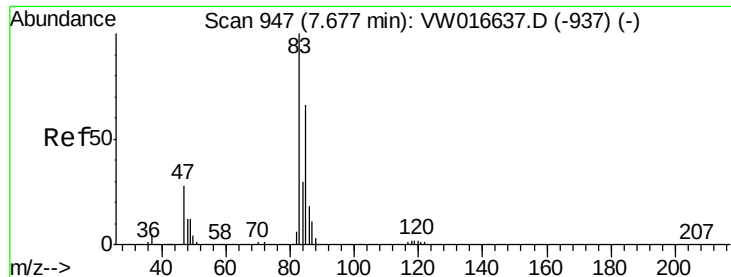


#23

Bromochloromethane
 Concen: 24.967 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

Tgt Ion	128	Resp	107197
Ion Ratio	Lower	Upper	
128	100		
49	126.0	92.1	171.1
130	126.4	87.8	163.0
51	41.0	33.6	50.4

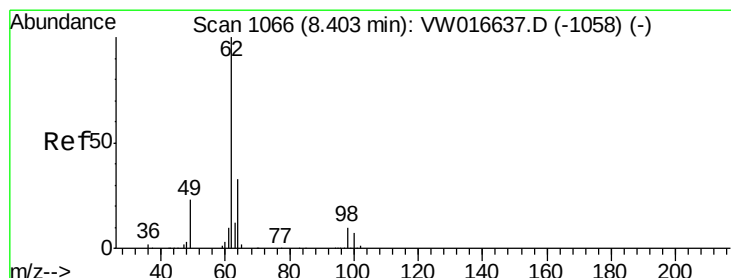
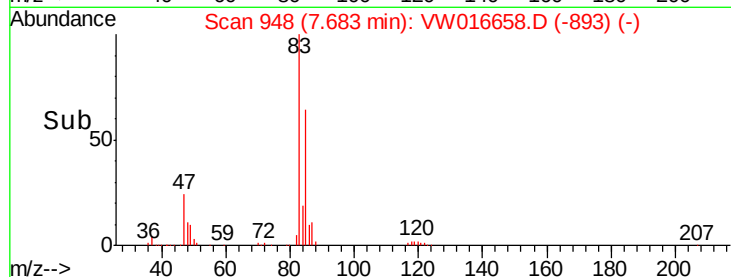
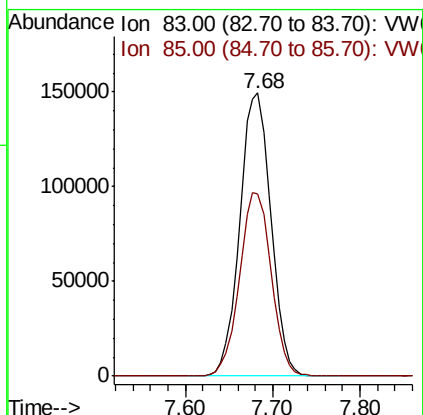
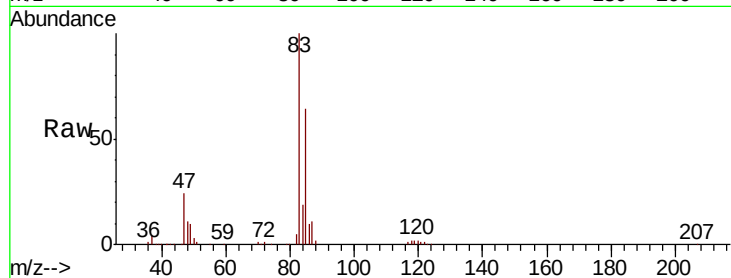




#25
Chloroform
Concen: 25.179 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016658.D
Acq: 28 Sep 2020 10:04

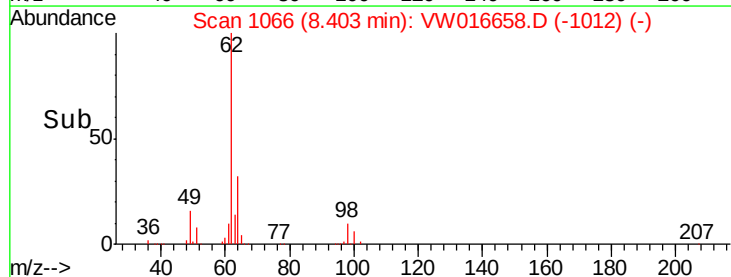
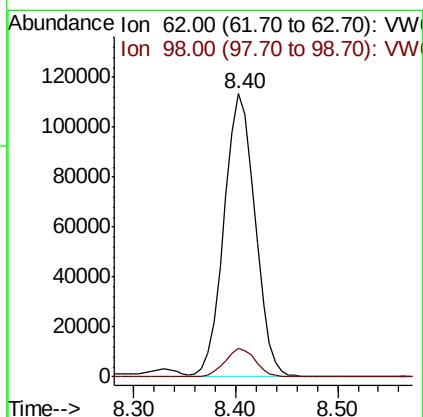
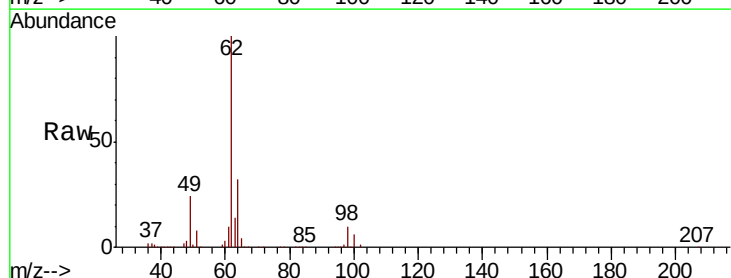
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

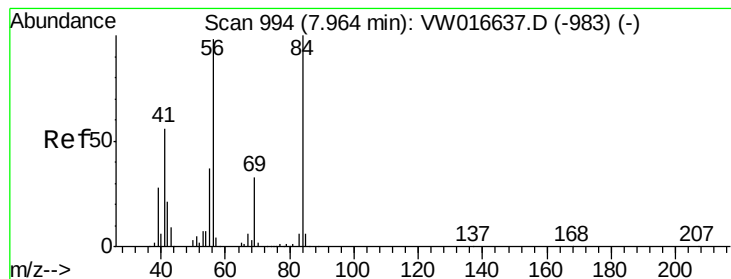
Tot Ion: 83 Resp: 369531
Ion Ratio Lower Upper
83 100
85 66.1 46.1 85.5



#27
1,2-Dichloroethane
Concen: 25.471 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016658.D
Acq: 28 Sep 2020 10:04

Tgt Ion: 62 Resp: 239852
Ion Ratio Lower Upper
62 100
98 9.9 7.9 11.9





#30

Cyclohexane

Concen: 23.132 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

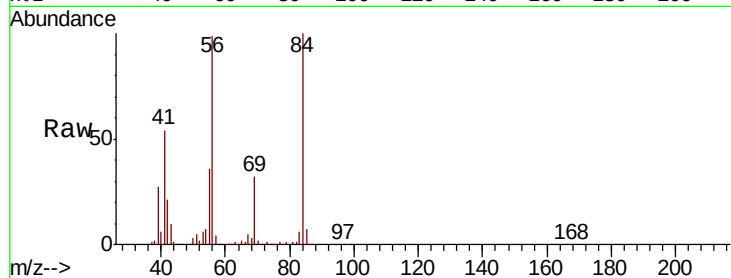
Tot Ion: 56 Resp: 295696

Ion Ratio Lower Upper

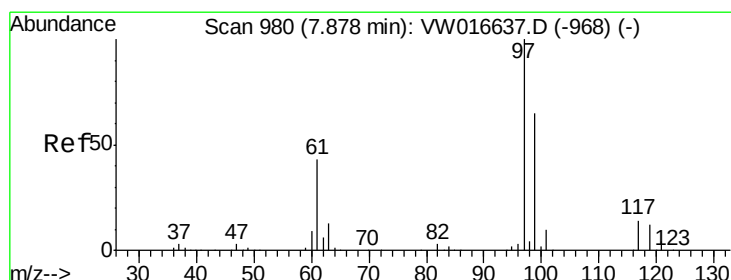
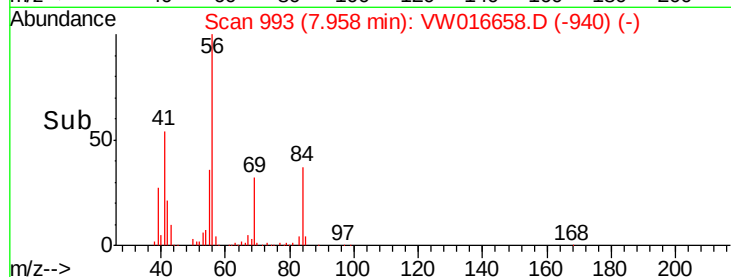
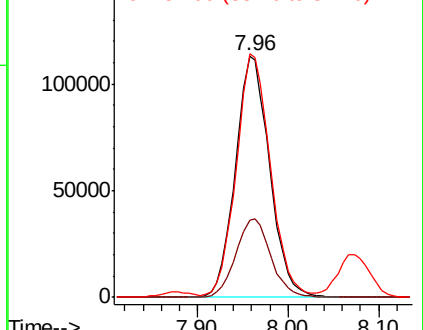
56 100

69 33.2 26.5 39.7

84 100.7 79.0 118.6



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 24.004 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

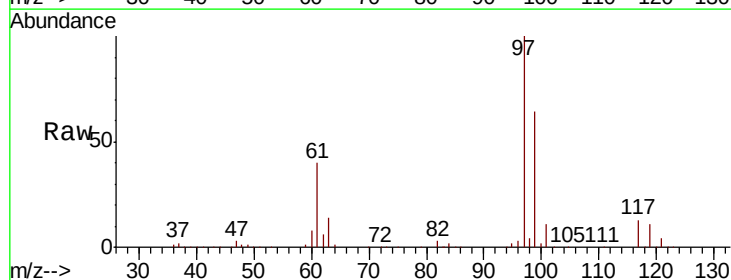
Tgt Ion: 97 Resp: 327935

Ion Ratio Lower Upper

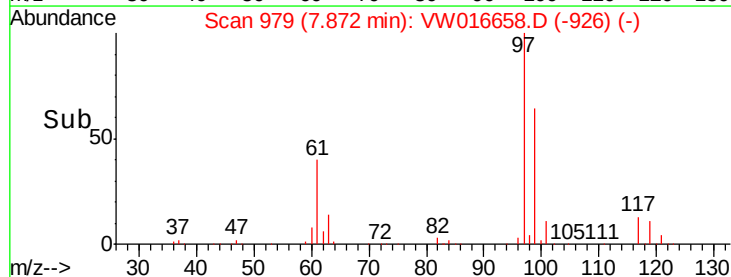
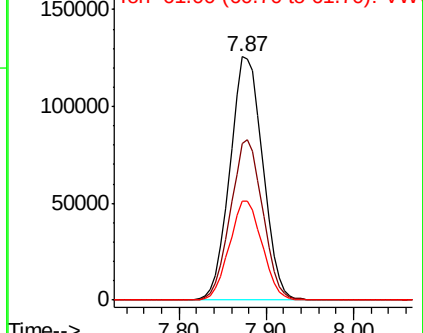
97 100

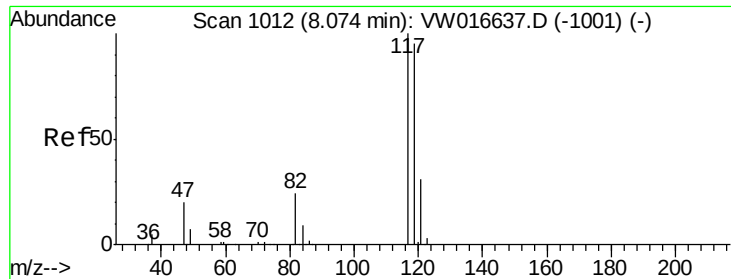
99 64.9 51.8 77.6

61 40.9 33.6 50.4



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 24.252 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

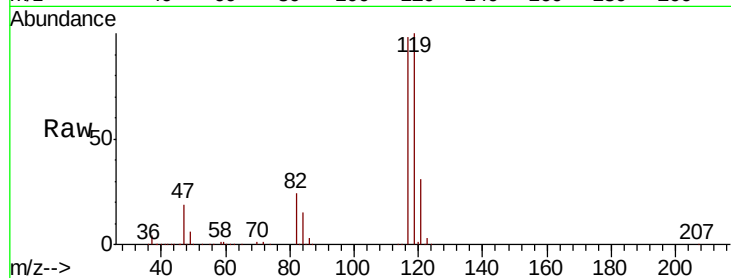
VSTD02509

Tot Ion:117 Resp: 321893

Ion Ratio Lower Upper

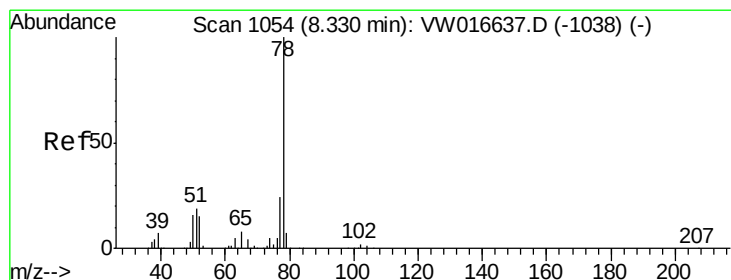
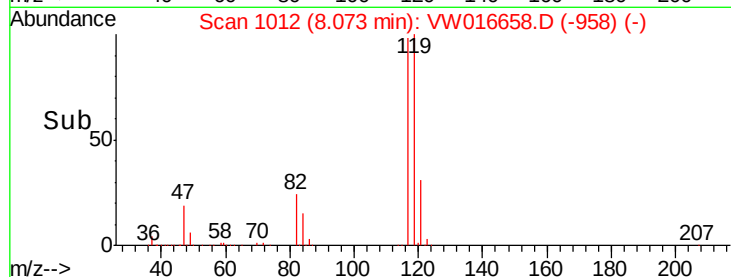
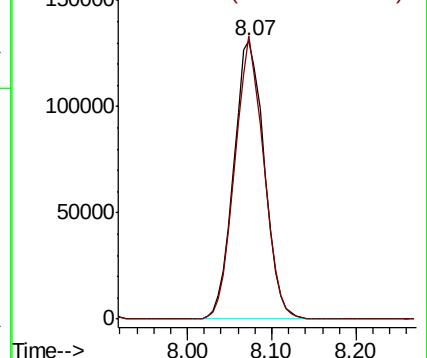
117 100

119 96.2 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.607 ug/L

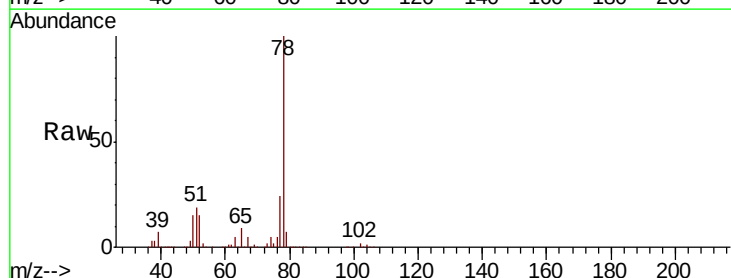
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

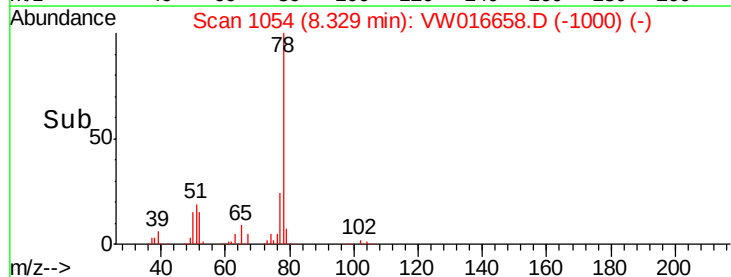
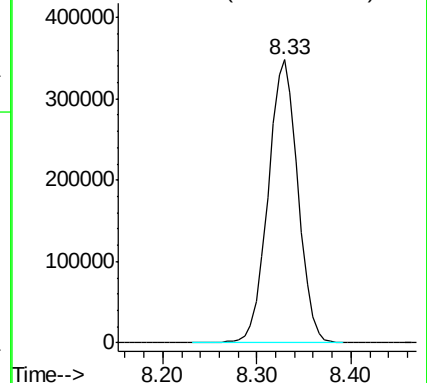
Lab File: VW016658.D

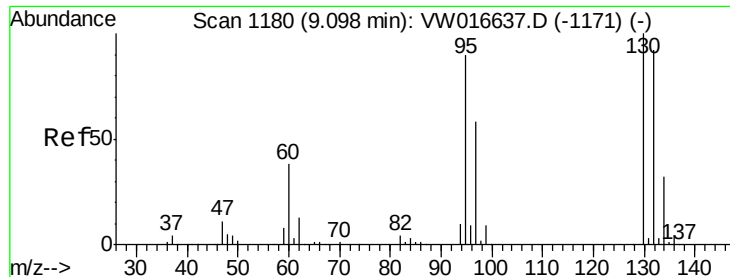
Acq: 28 Sep 2020 10:04

Tgt Ion: 78 Resp: 771510



Abundance Ion 78.00 (77.70 to 78.70): VW

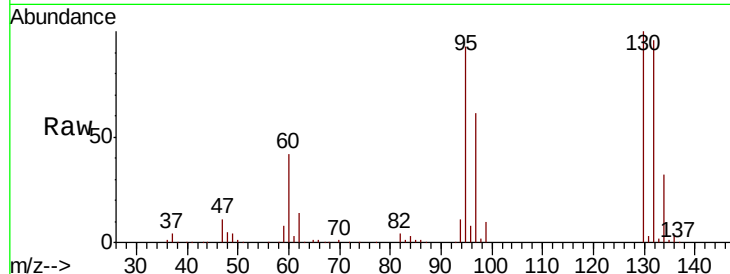




#35
 Trichloroethene
 Concen: 24.610 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tot Ion:	95	Resp:	223241
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.2	84.0
132	102.8	73.3	136.1
130	107.3	77.5	143.9



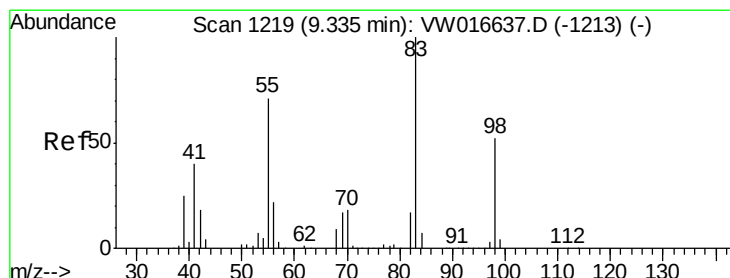
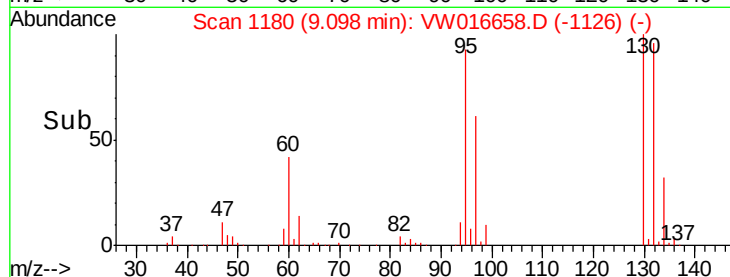
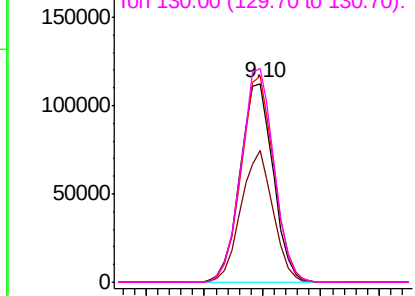
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

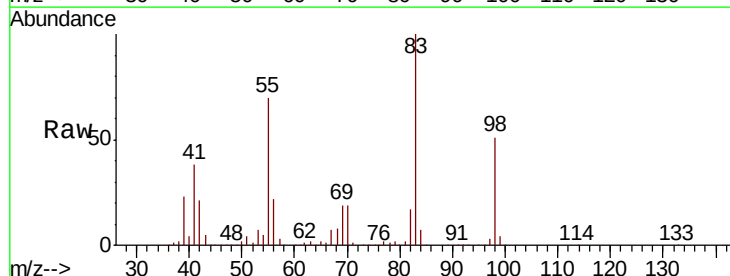
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 23.627 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

Tgt Ion:	83	Resp:	363529
Ion	Ratio	Lower	Upper
83	100		
55	69.2	55.9	83.9
98	51.7	42.1	63.1

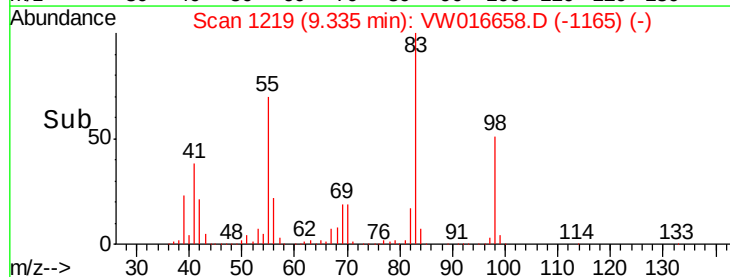
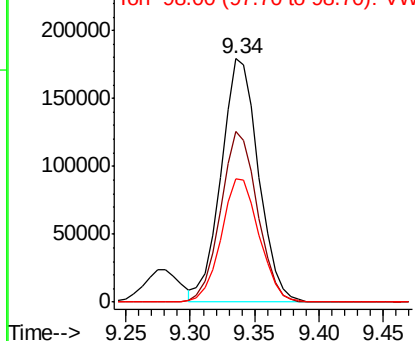


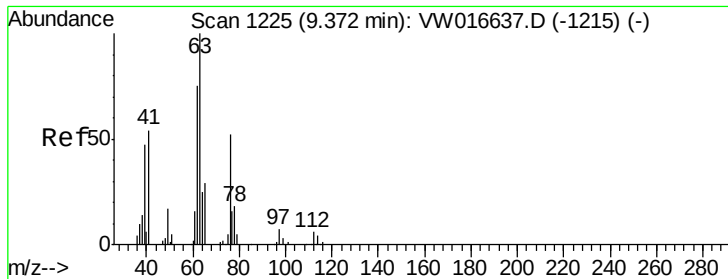
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

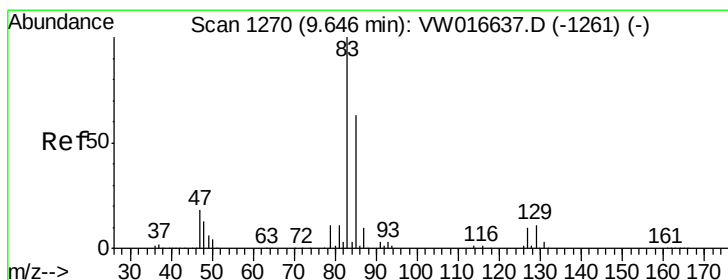
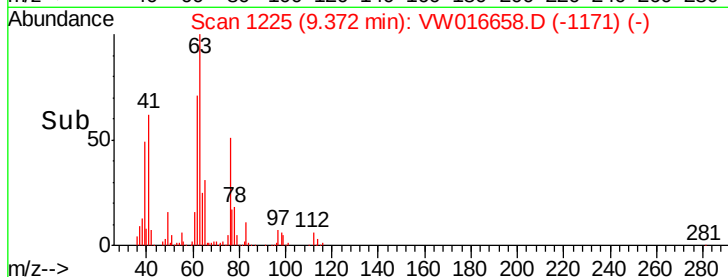
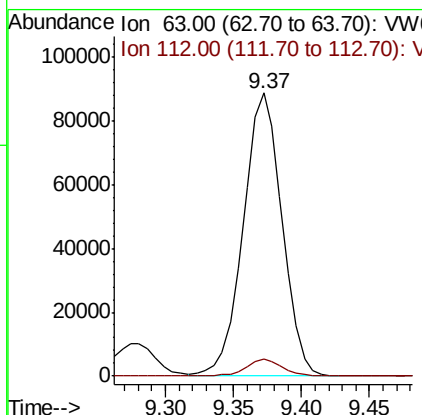
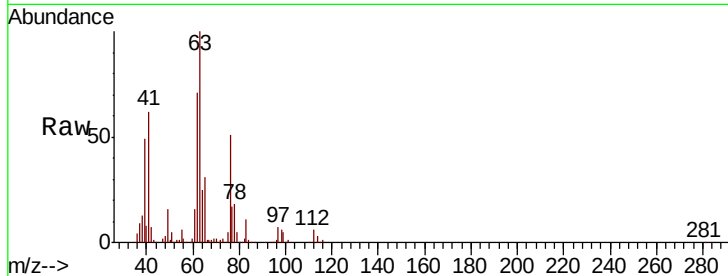




#40
 1,2-Dichloropropane
 Concen: 24.292 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

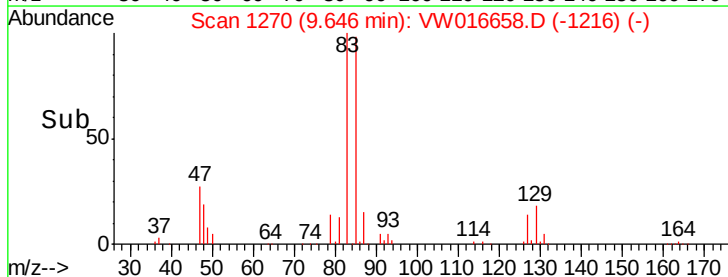
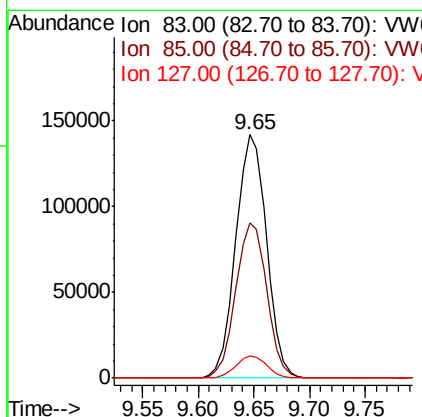
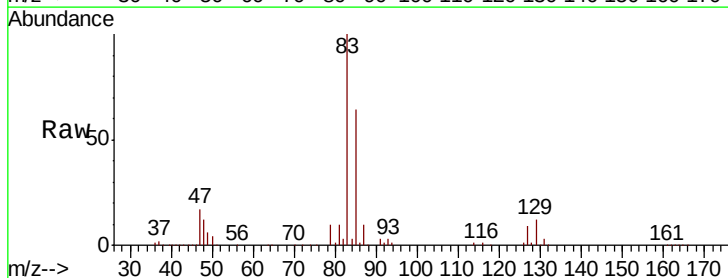
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

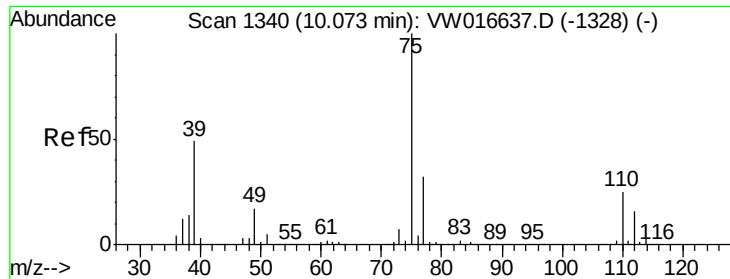
Tot Ion: 63 Resp: 177139
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.5 6.7



#41
 Bromodichloromethane
 Concen: 25.205 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

Tgt Ion: 83 Resp: 272365
 Ion Ratio Lower Upper
 83 100
 85 63.9 46.8 86.8
 127 9.1 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 25.213 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

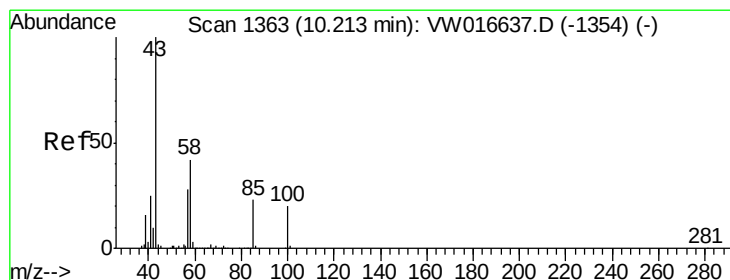
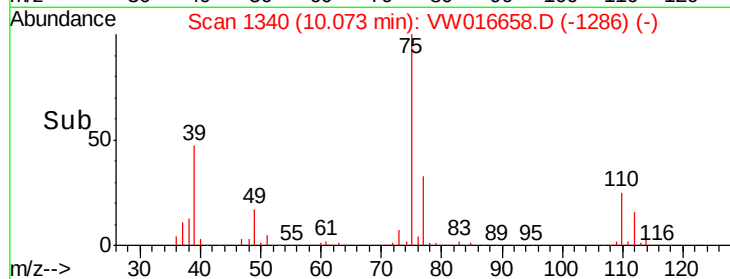
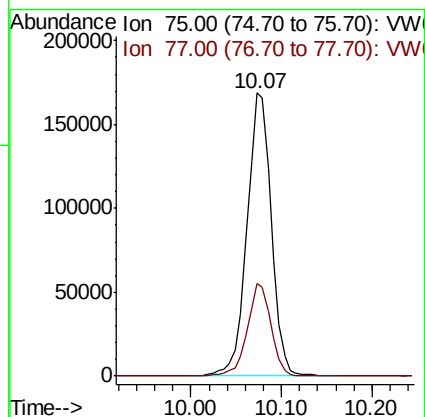
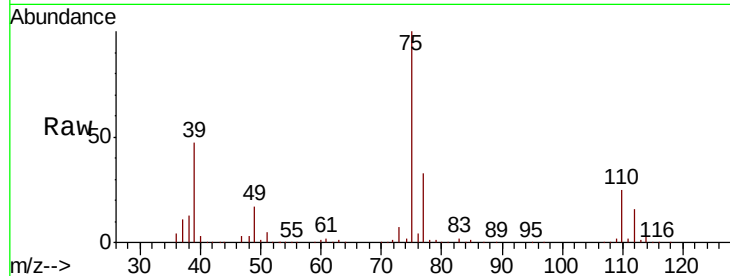
VSTD02509

Tot Ion: 75 Resp: 314037

Ion Ratio Lower Upper

75 100

77 32.8 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 48.456 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

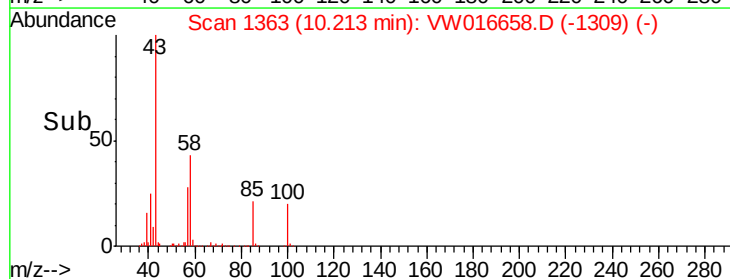
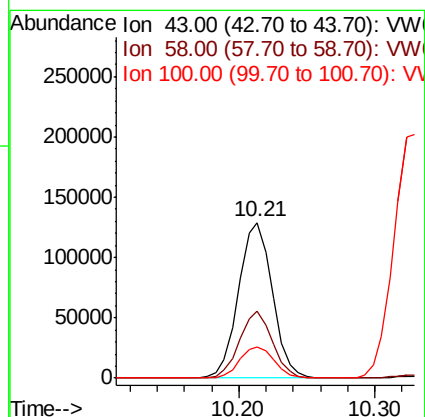
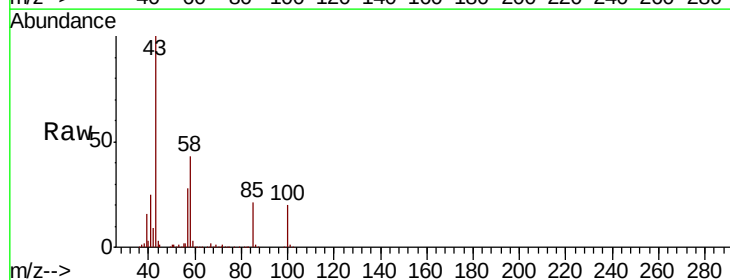
Tgt Ion: 43 Resp: 224494

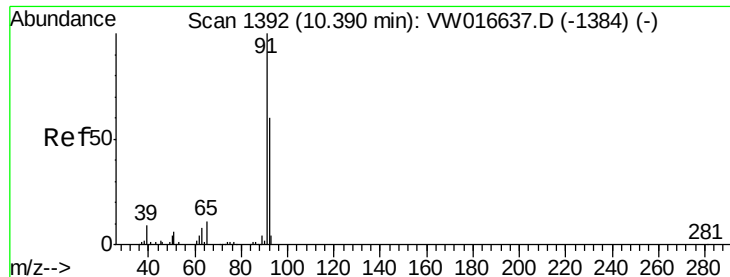
Ion Ratio Lower Upper

43 100

58 42.0 32.2 48.4

100 20.4 15.8 23.6





#44

Toluene

Concen: 24.664 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

Instrument :

MSVOA_W

ClientSampled :

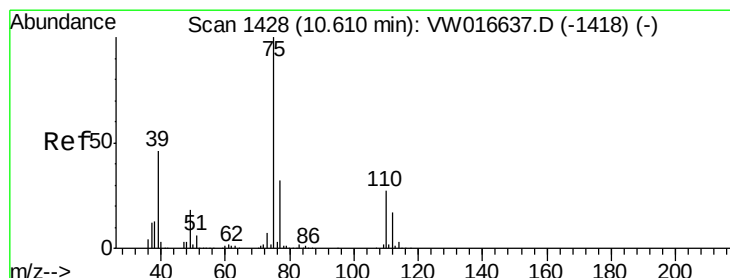
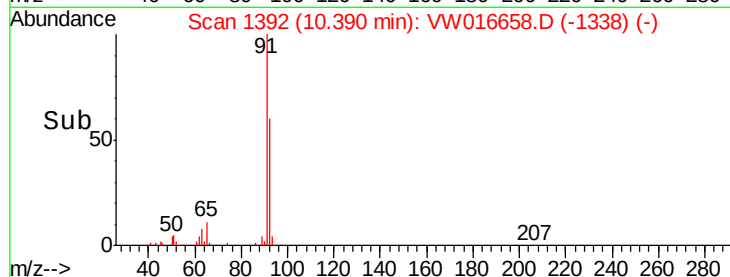
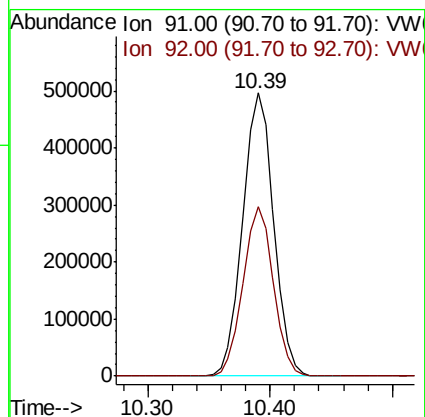
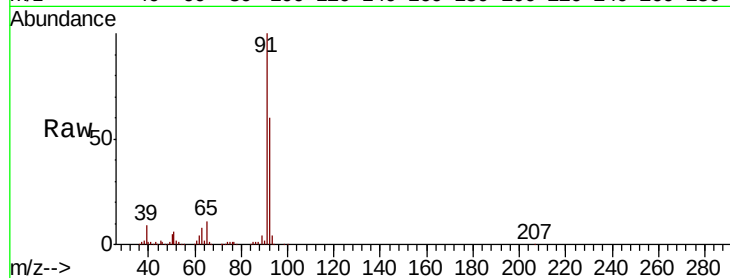
VSTD02509

Tot Ion: 91 Resp: 869538

Ion Ratio Lower Upper

91 100

92 59.7 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 25.505 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016658.D

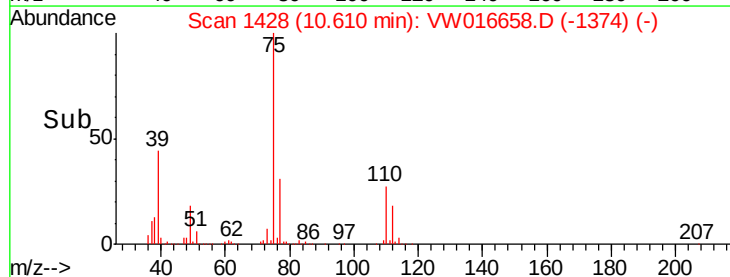
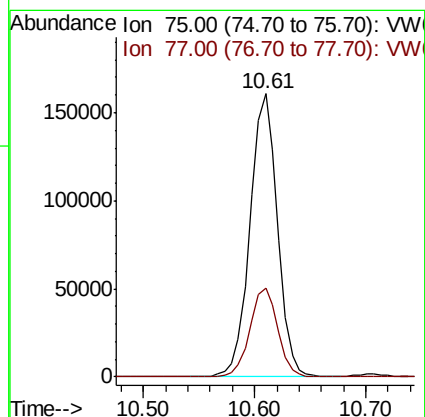
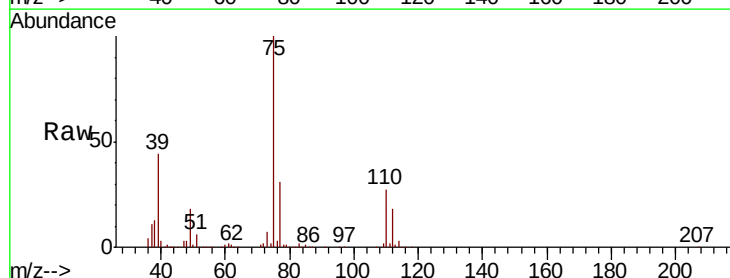
Acq: 28 Sep 2020 10:04

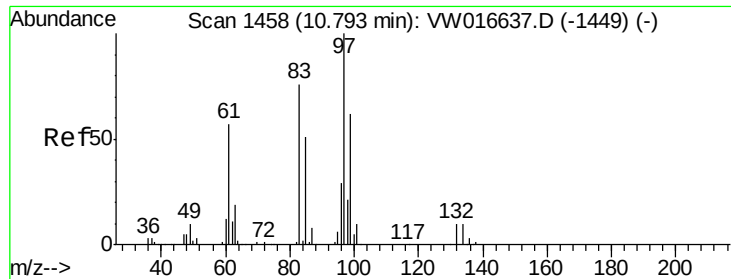
Tgt Ion: 75 Resp: 276399

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.9

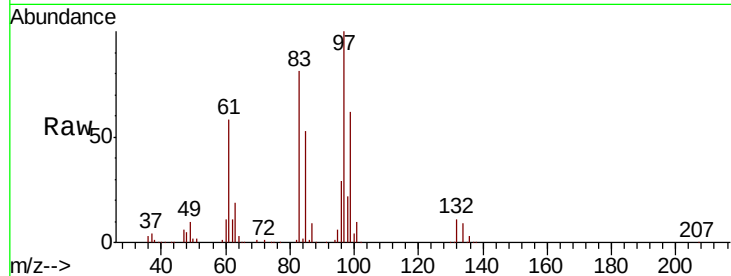




#46
 1,1,2-Trichloroethane
 Concen: 25.677 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tot Ion	Ratio	Lower	Upper
97	100		
83	80.8	55.7	103.5
85	52.6	36.8	68.4
99	61.8	43.7	81.1



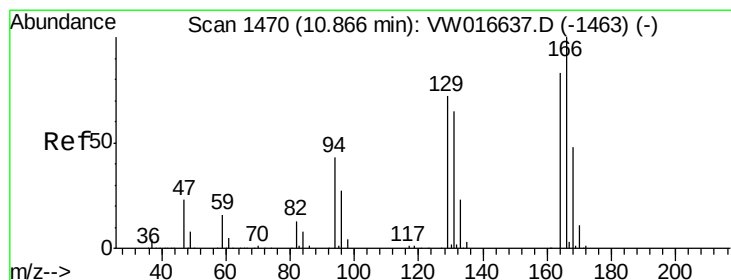
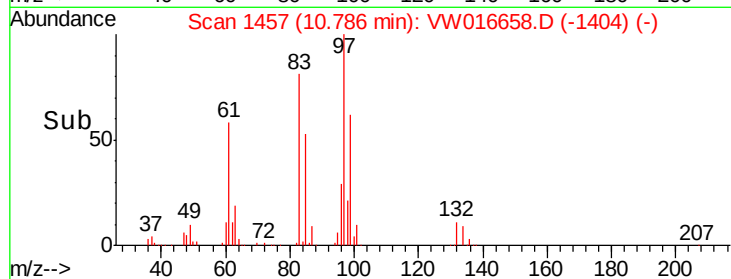
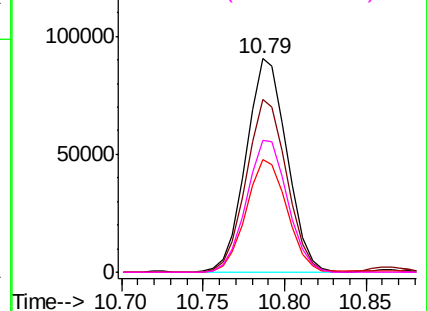
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 23.995 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

Tgt Ion	Ratio	Lower	Upper
164	100		
129	89.7	55.6	103.2
131	85.1	57.2	106.2
166	126.2	86.5	160.6

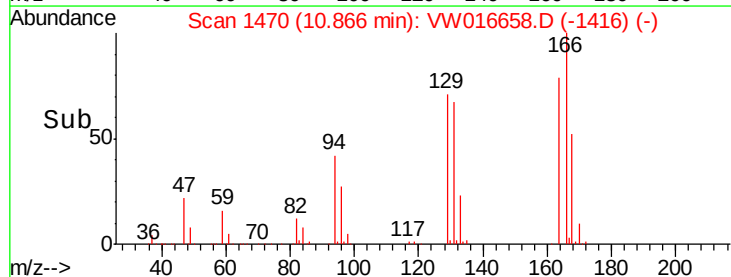
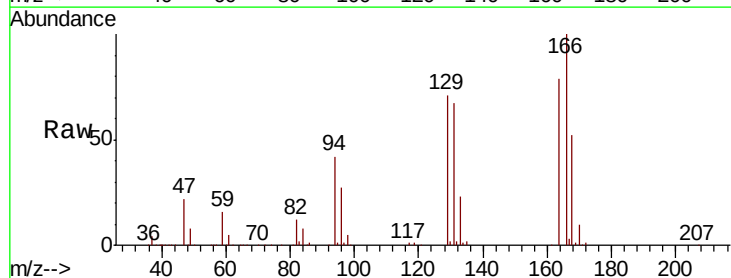
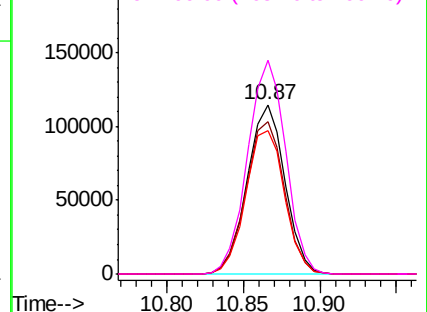
Abundance

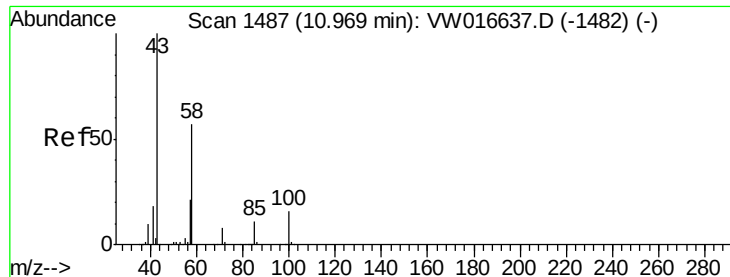
Ion 164.00 (163.70 to 164.70): V

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





#49

2-Hexanone

Concen: 52.344 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tot Ion: 43 Resp: 153907

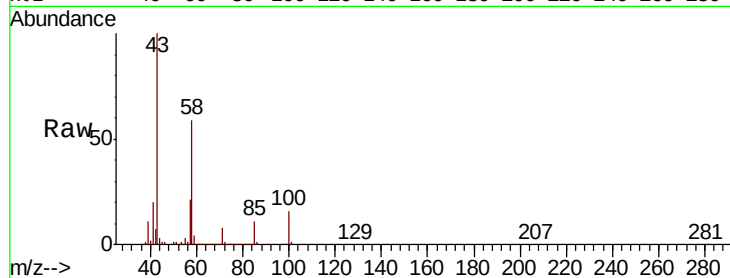
Ion Ratio Lower Upper

43 100

58 58.1 44.2 66.2

57 21.0 16.3 24.5

100 16.2 12.4 18.6

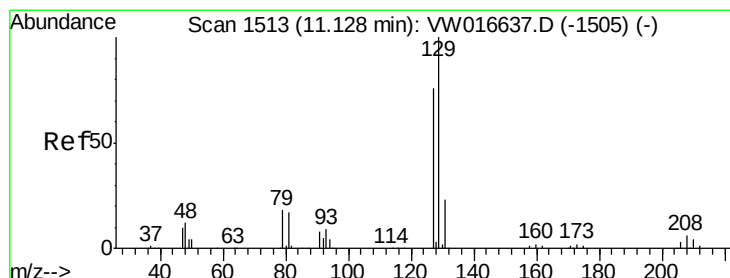
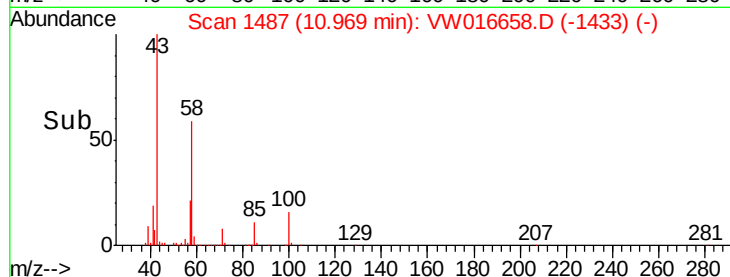
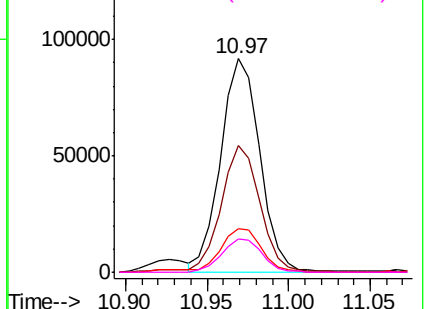


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.375 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW016658.D

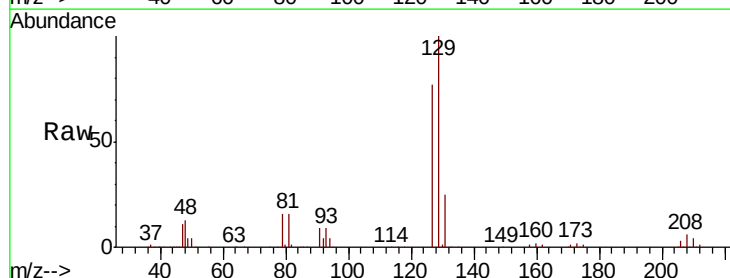
Acq: 28 Sep 2020 10:04

Tgt Ion: 129 Resp: 203519

Ion Ratio Lower Upper

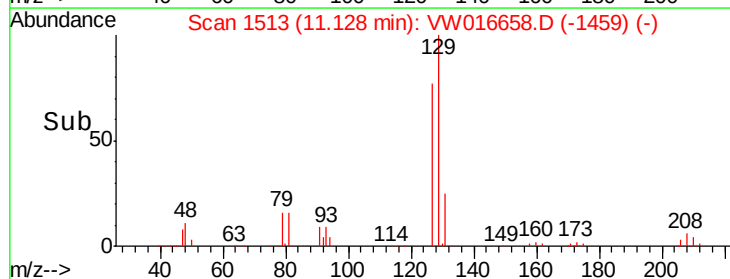
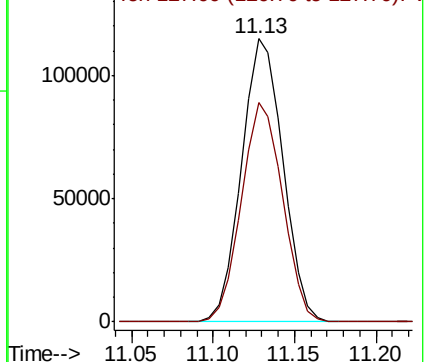
129 100

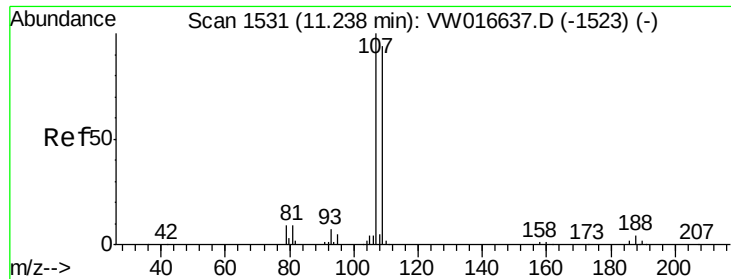
127 77.4 52.4 97.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 25.457 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

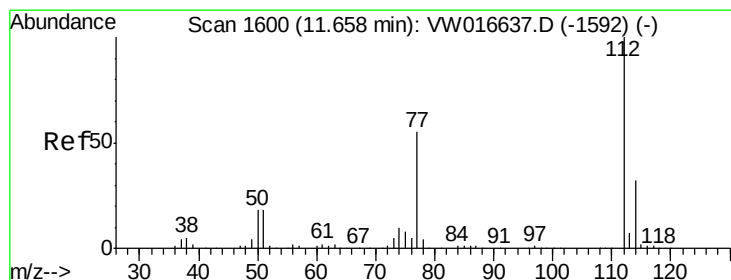
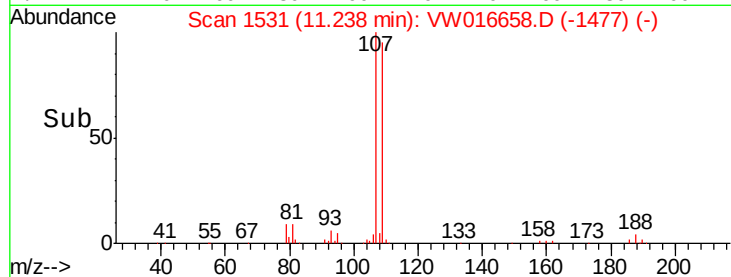
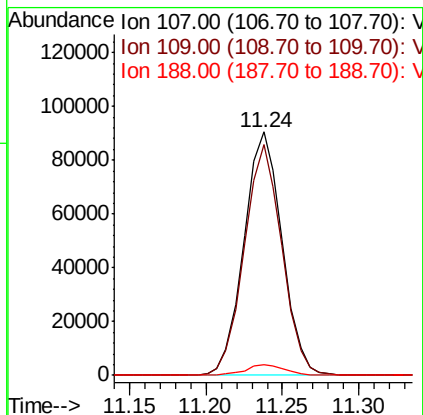
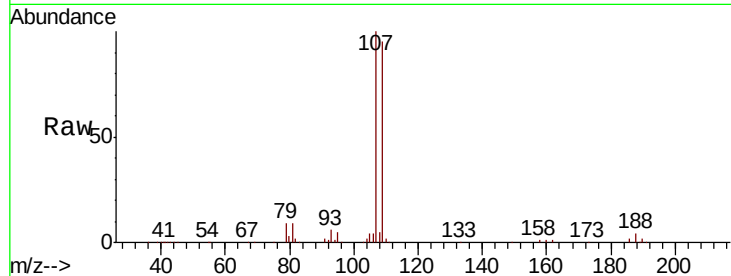
Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tot Ion:	107	Resp:	156577
Ion	Ratio	Lower	Upper
107	100		
109	94.7	63.0	117.0
188	4.2	3.1	4.7



#52

Chlorobenzene

Concen: 24.553 ug/L

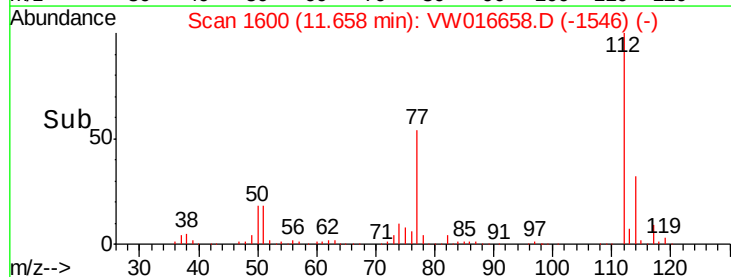
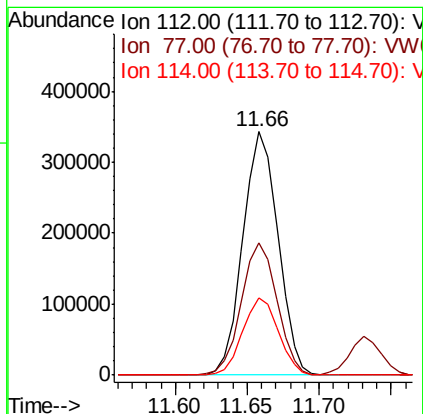
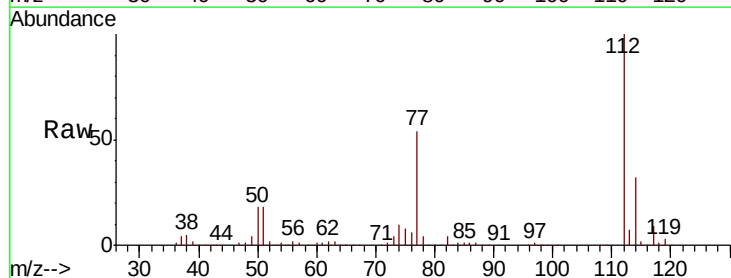
RT: 11.66 min Scan# 1600

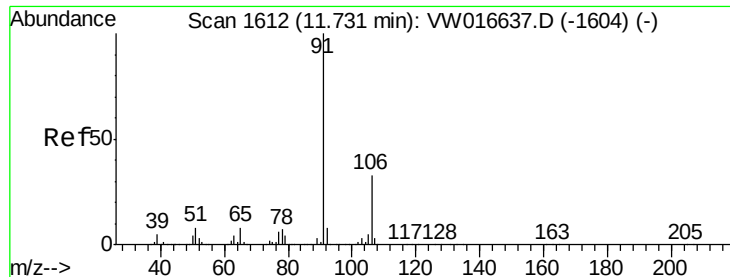
Delta R.T. -0.00 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

Tgt Ion:	112	Resp:	581441
Ion	Ratio	Lower	Upper
112	100		
77	54.2	43.1	64.7
114	31.9	22.3	41.3

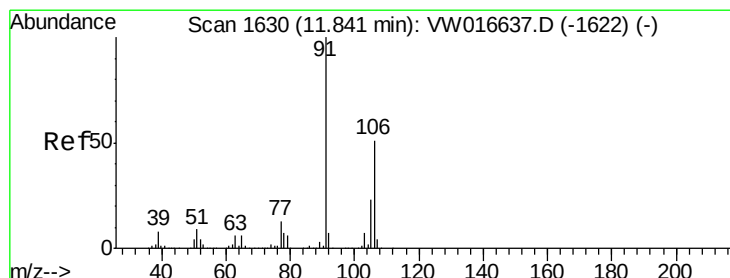
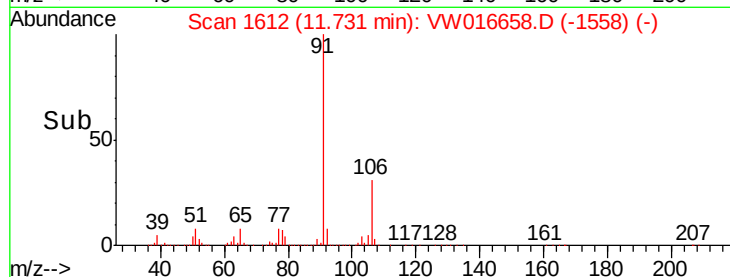
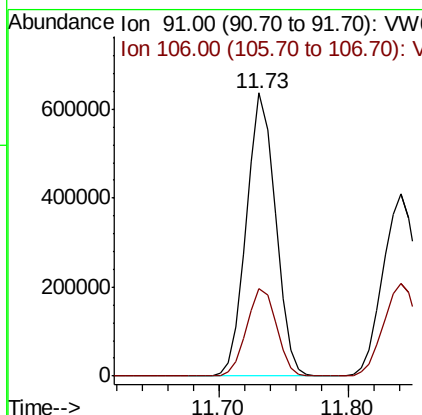
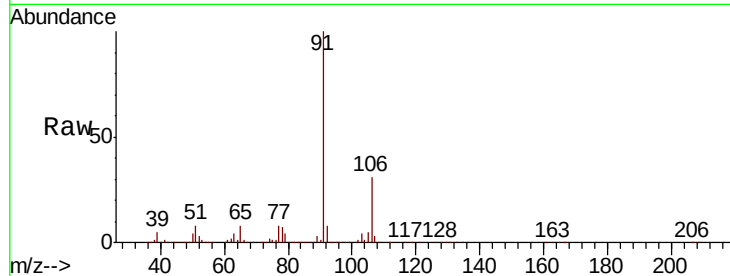




#53
Ethylbenzene
Concen: 24.821 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016658.D
Acq: 28 Sep 2020 10:04

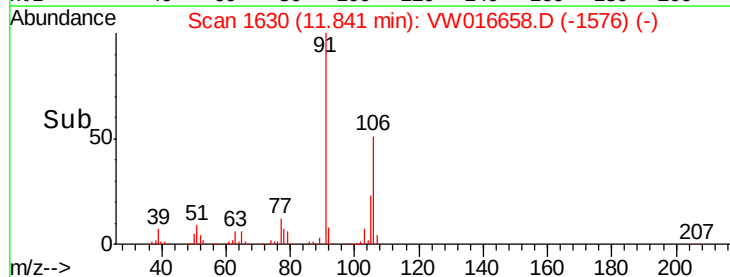
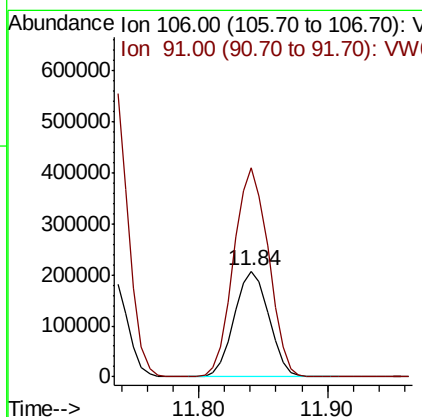
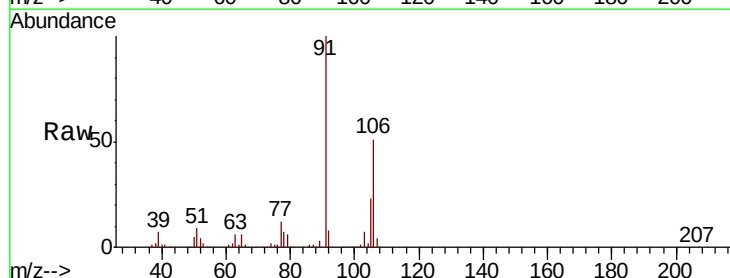
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

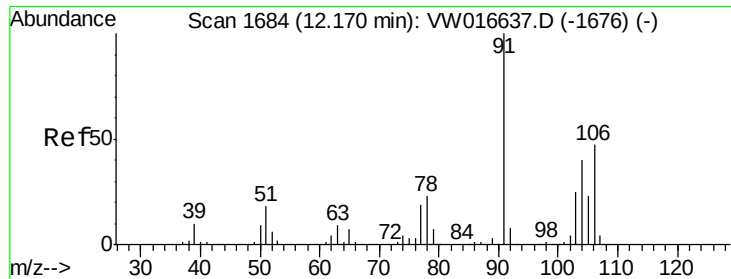
Tot Ion: 91 Resp: 993504
Ion Ratio Lower Upper
91 100
106 31.1 20.7 38.5



#54
m,p-Xylene
Concen: 24.735 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016658.D
Acq: 28 Sep 2020 10:04

Tgt Ion: 106 Resp: 387671
Ion Ratio Lower Upper
106 100
91 197.2 139.7 259.5





#55

o-xylene

Concen: 24.595 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

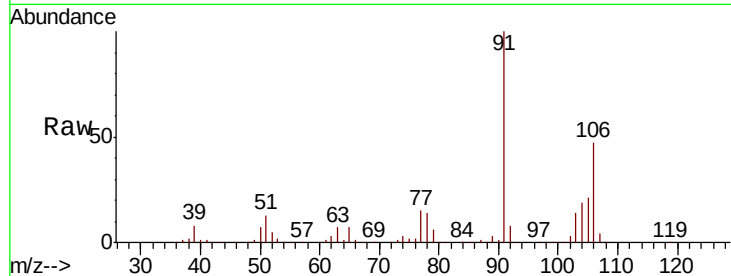
VSTD02509

Tot Ion:106 Resp: 369311

Ion Ratio Lower Upper

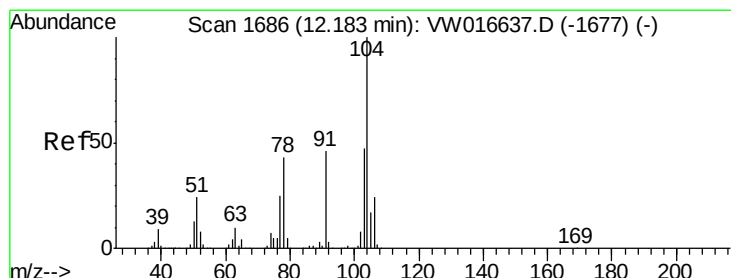
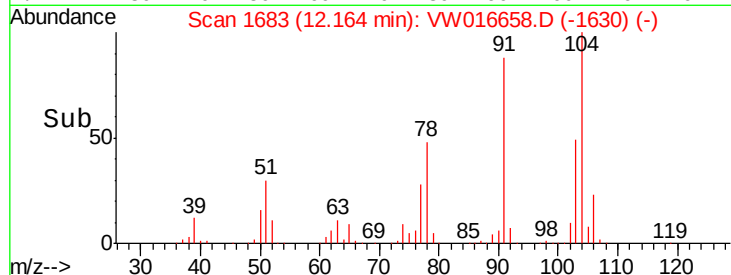
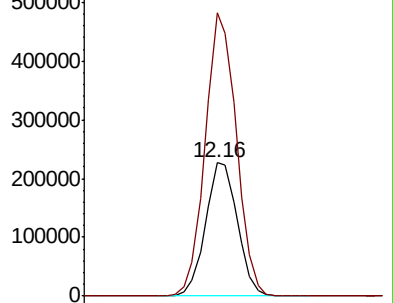
106 100

91 212.3 144.8 268.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.594 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016658.D

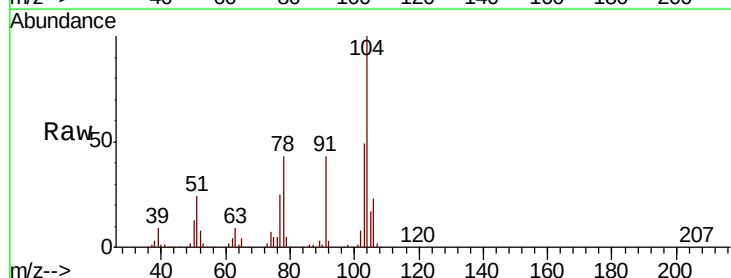
Acq: 28 Sep 2020 10:04

Tgt Ion:104 Resp: 638147

Ion Ratio Lower Upper

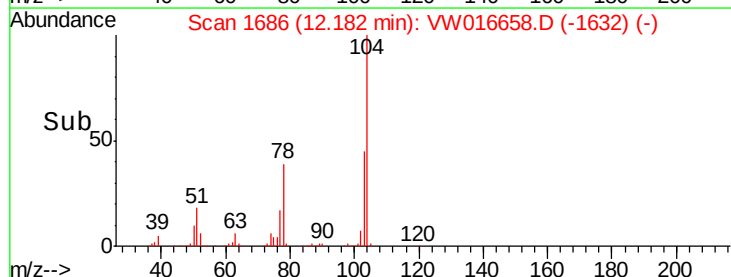
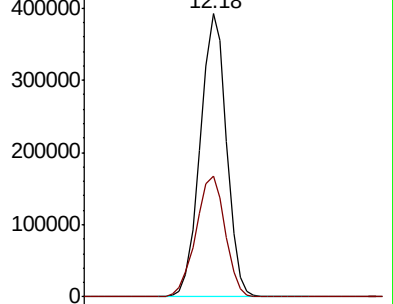
104 100

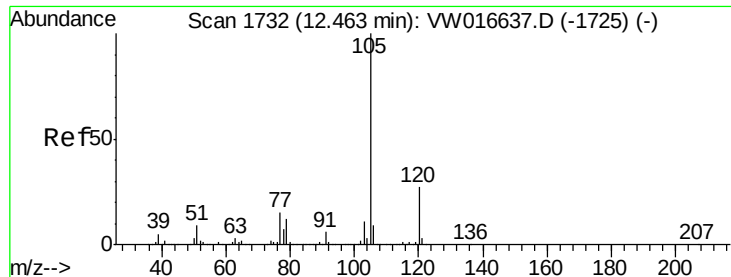
78 42.5 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.054 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

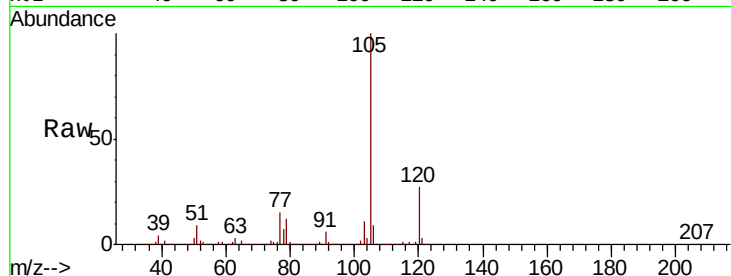
Tot Ion:105 Resp: 1027942

Ion Ratio Lower Upper

105 100

120 26.9 21.8 32.8

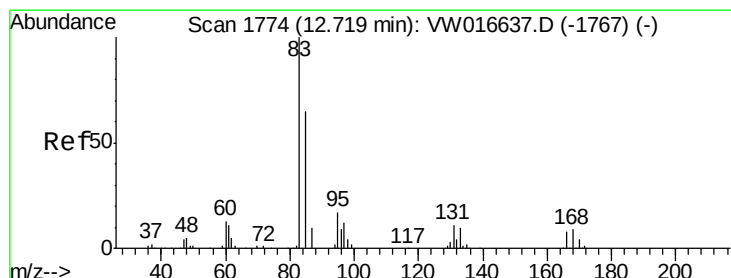
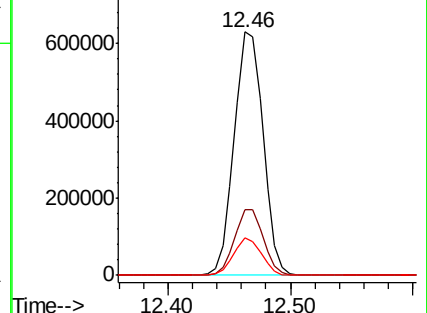
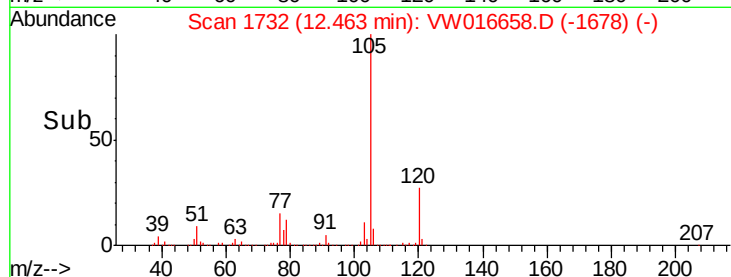
77 14.8 12.2 18.2



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.494 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

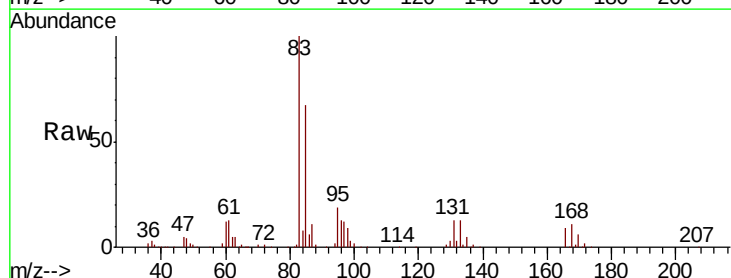
Tgt Ion: 83 Resp: 175141

Ion Ratio Lower Upper

83 100

85 67.1 46.0 85.4

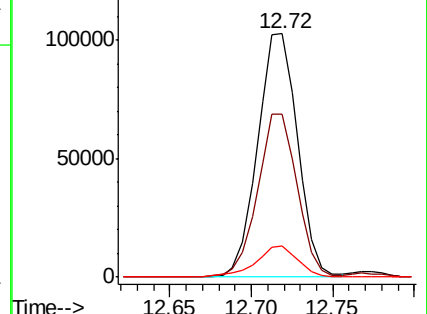
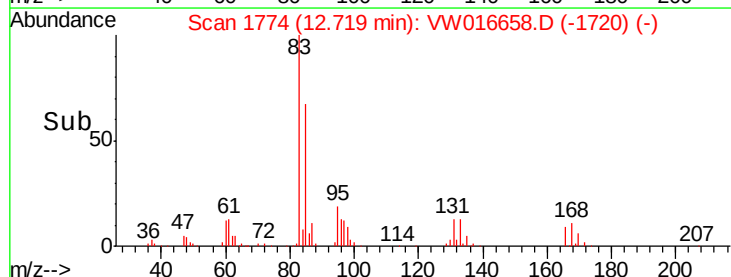
131 12.6 9.0 13.6

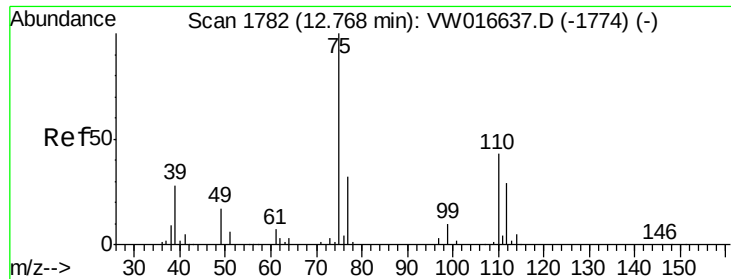


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.622 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

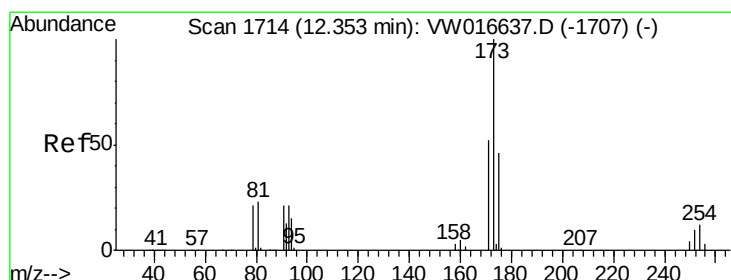
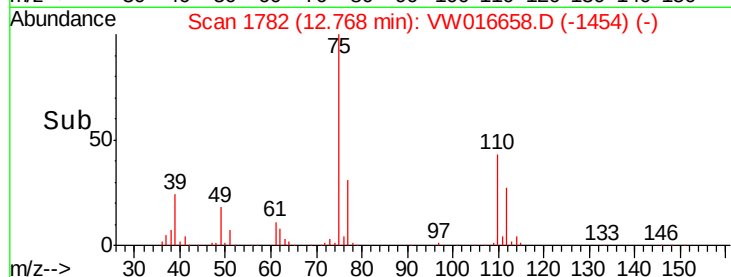
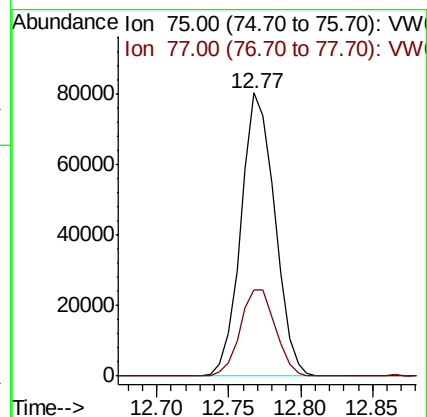
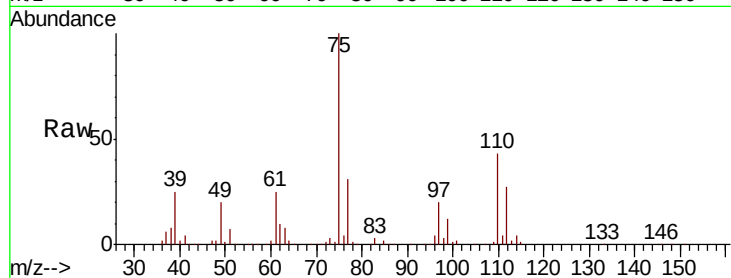
VSTD02509

Tot Ion: 75 Resp: 131104

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.4



#62

Bromoform

Concen: 24.774 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

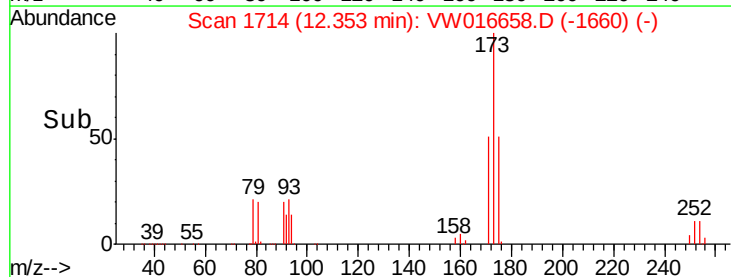
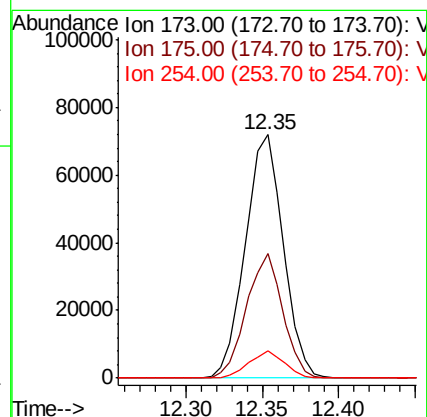
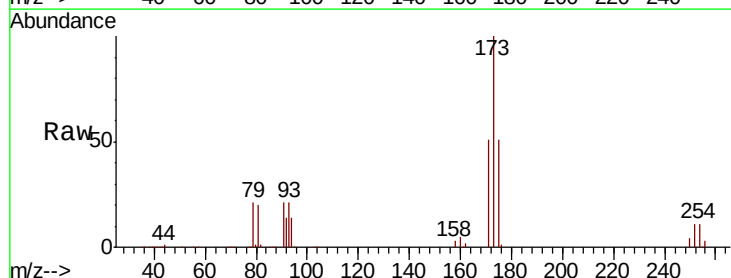
Tgt Ion:173 Resp: 124134

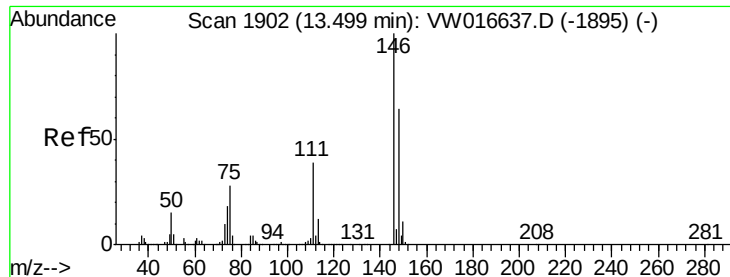
Ion Ratio Lower Upper

173 100

175 48.7 38.6 57.8

254 10.6 8.2 12.4

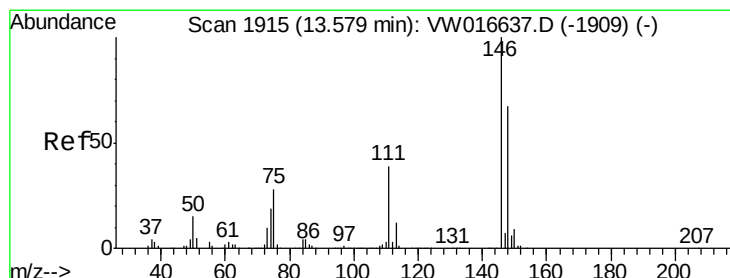
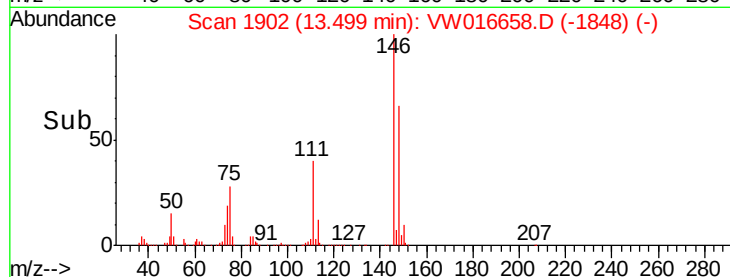
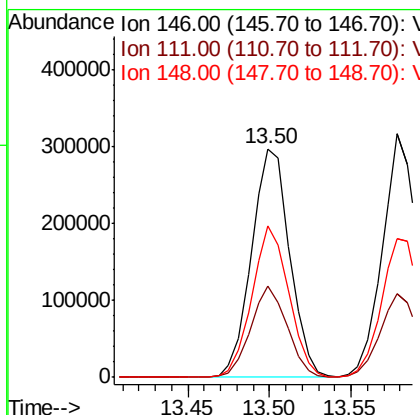
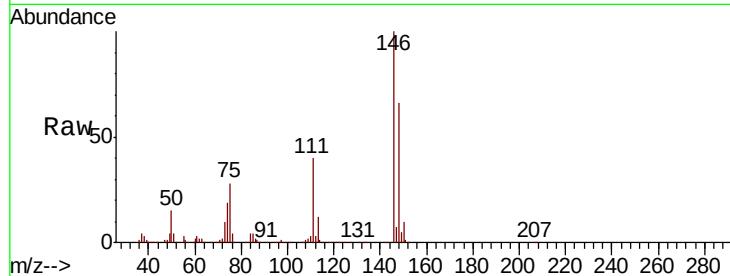




#63
 1,3-Dichlorobenzene
 Concen: 24.973 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

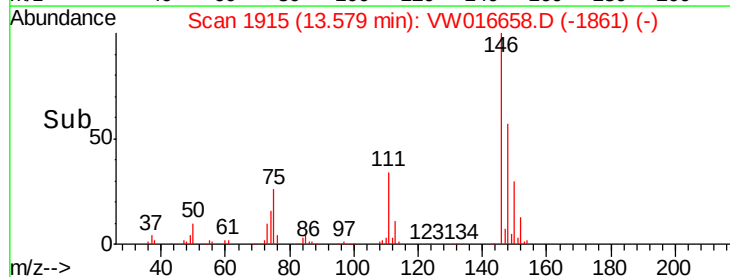
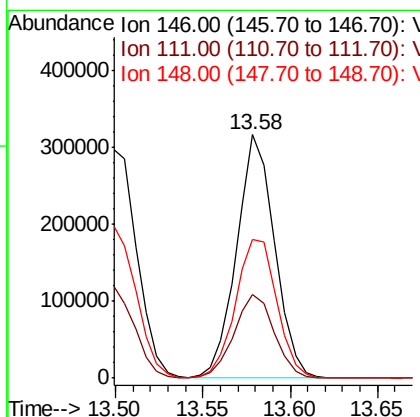
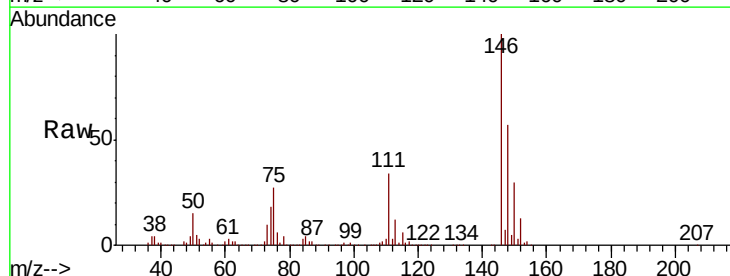
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

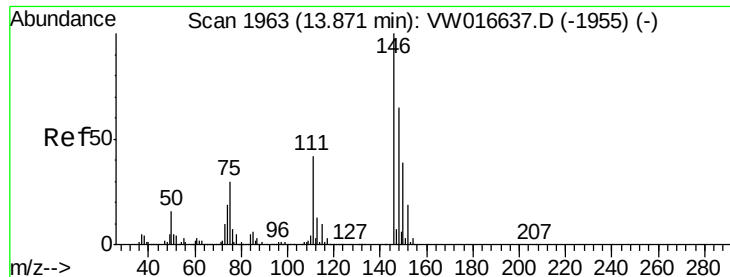
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	25.0	46.4
148	66.2	44.0	81.8



#64
 1,4-Dichlorobenzene
 Concen: 25.316 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	25.1	46.5
148	57.2	42.3	78.5

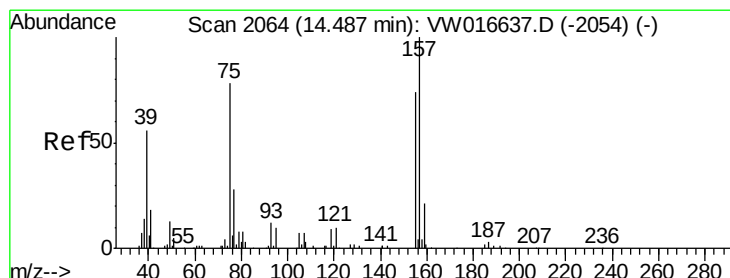
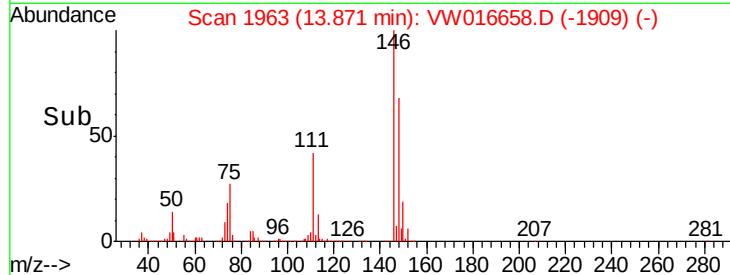
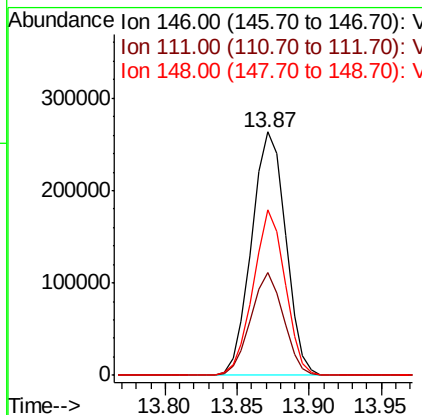
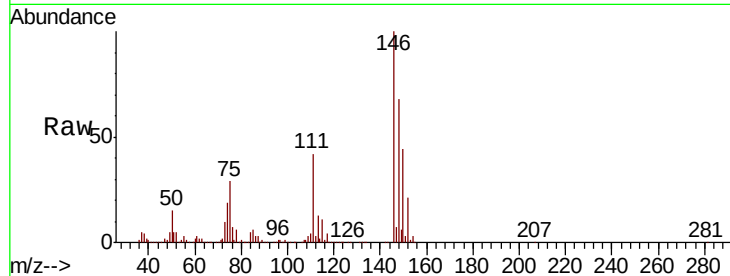




#65
 1,2-Dichlorobenzene
 Concen: 24.992 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

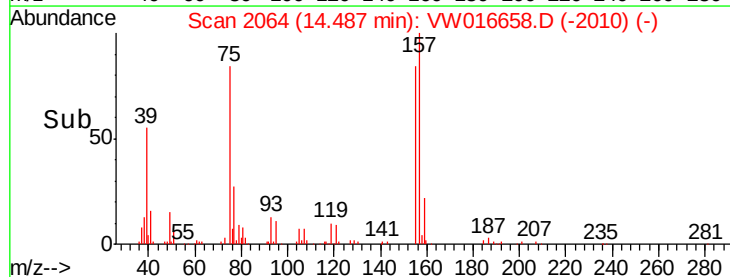
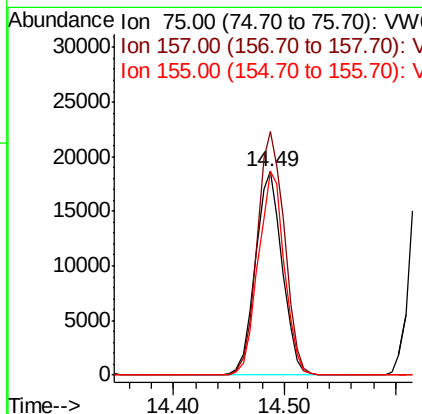
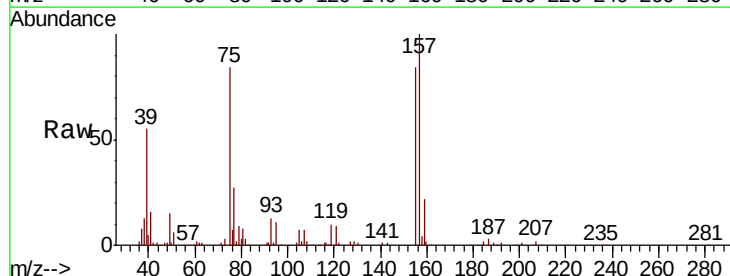
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

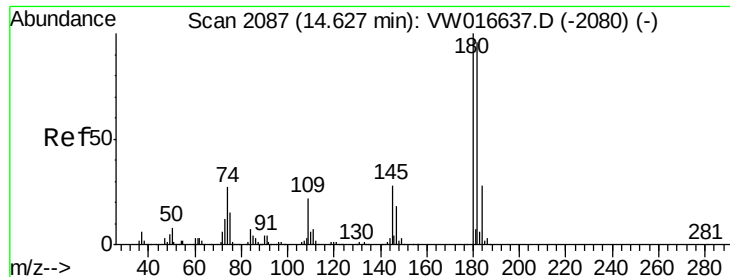
Tot Ion:146 Resp: 431502
 Ion Ratio Lower Upper
 146 100
 111 42.0 31.4 47.0
 148 67.9 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.293 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

Tgt Ion: 75 Resp: 31303
 Ion Ratio Lower Upper
 75 100
 157 119.5 92.2 138.4
 155 99.9 73.5 110.3

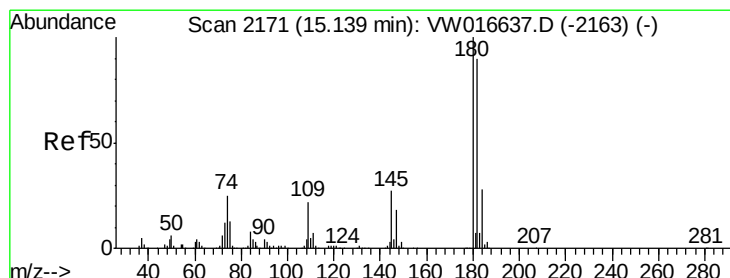
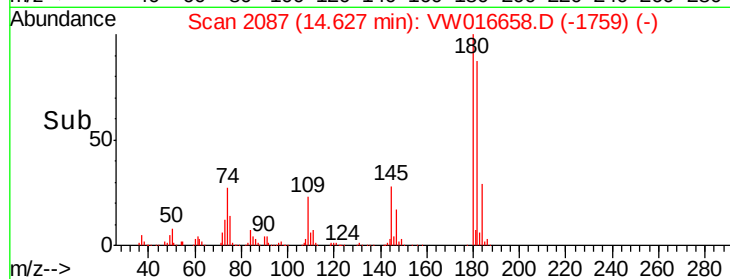
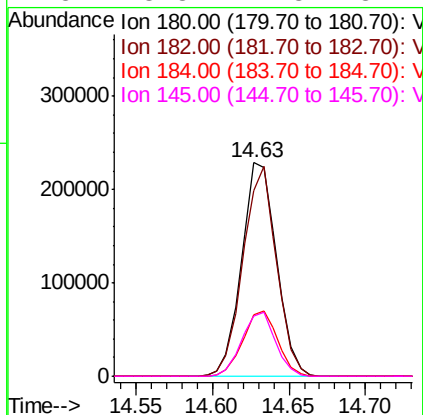
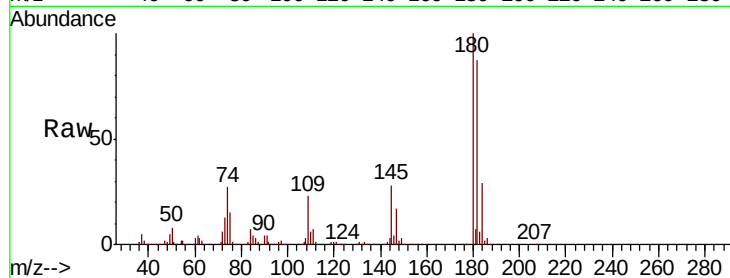




#67
 1,3,5-Trichlorobenzene
 Concen: 25.647 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

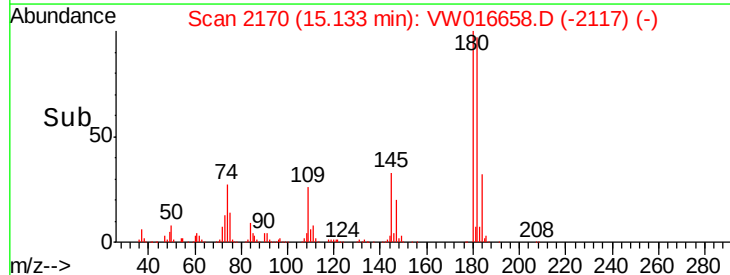
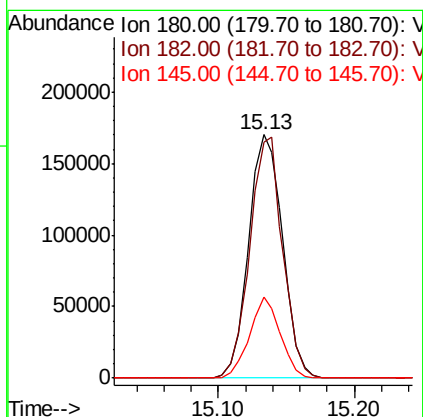
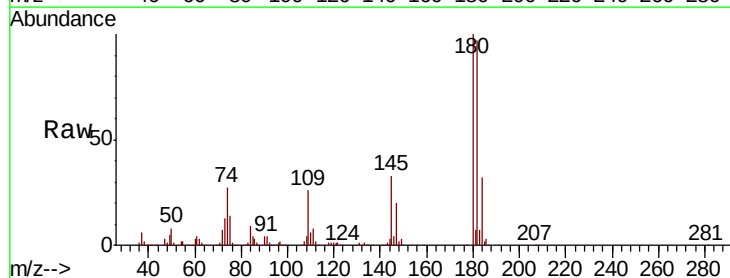
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

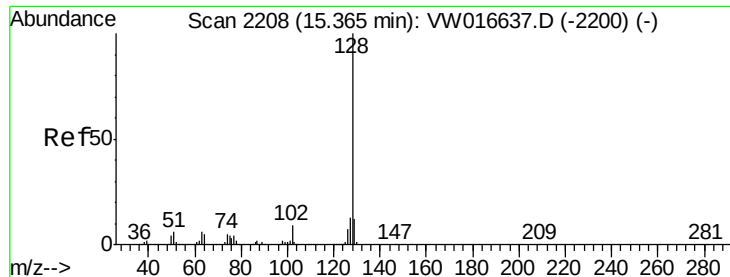
Tot Ion:180	Resp:	362430
Ion	Ratio	Lower Upper
180	100	
182	94.2	73.8 110.8
184	30.5	23.7 35.5
145	28.8	22.8 34.2



#68
 1,2,4-trichlorobenzene
 Concen: 26.033 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW016658.D
 Acq: 28 Sep 2020 10:04

Tgt Ion:180	Resp:	297600
Ion	Ratio	Lower Upper
180	100	
182	95.8	74.5 111.7
145	30.3	23.1 34.7





#69

Naphthalene

Concen: 27.426 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

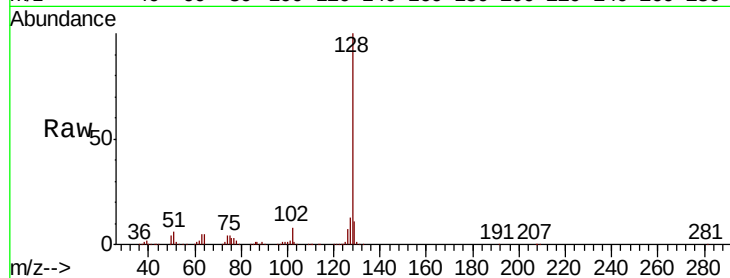
Tot Ion:128 Resp: 555802

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 13.0 10.8 16.2



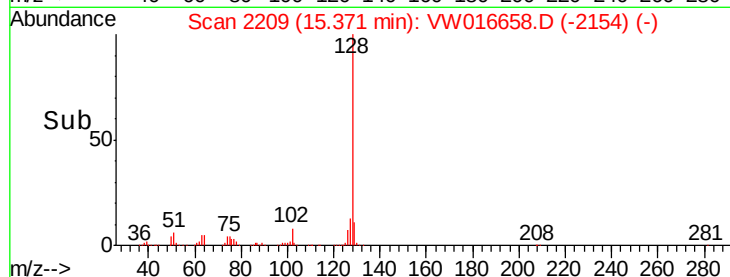
Abundance

Ion 128.00 (127.70 to 128.70): V

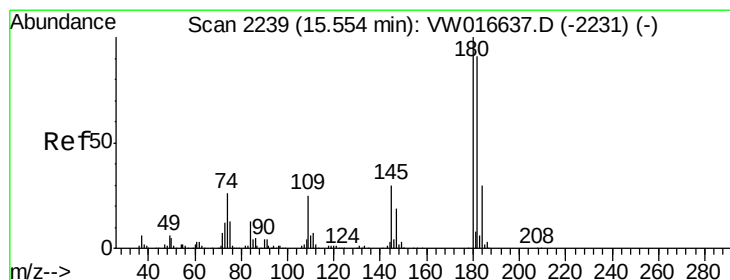
Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

15.37



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 26.152 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016658.D

Acq: 28 Sep 2020 10:04

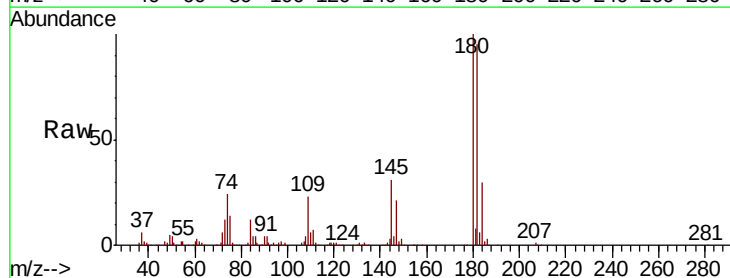
Tgt Ion:180 Resp: 257123

Ion Ratio Lower Upper

180 100

182 92.0 76.3 114.5

145 31.9 24.1 36.1



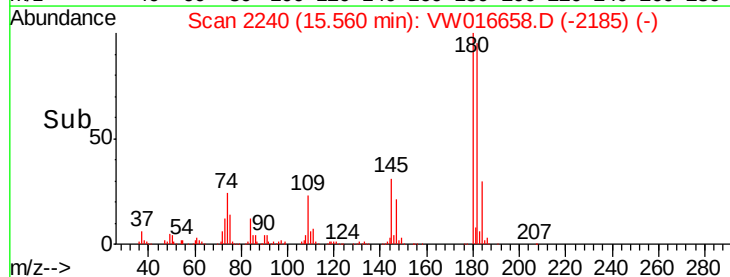
Abundance

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

15.56



Time-->