

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093020\
 Data File : VW016701.D
 Acq On : 30 Sep 2020 09:12
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Quant Time: Oct 01 05:02:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 10:40:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	616045	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	542237	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	274952	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	115480	19.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.48%
7) Chloroethane-d5	2.90	69	108693	22.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.28%
10) 1,1-Dichloroethene-d2	4.04	63	283263	21.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.00%
20) 2-Butanone-d5	7.09	46	76472	47.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.08%
24) Chloroform-d	7.65	84	340451	26.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.68%
26) 1,2-Dichloroethane-d4	8.31	65	166712	25.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.80%
29) Benzene-d6	8.28	84	571240	23.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.96%
33) 1,2-Dichloropropane-d6	9.28	67	173816	26.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.52%
37) Toluene-d8	10.33	98	521683	21.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.24%
38) trans-1,3-Dichloropropene-	10.58	79	79347	23.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.52%
39) 2-Hexanone-d5	10.93	63	63414	52.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	155049	27.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	233980	26.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	201318	26.453	ug/L 98
3) Chloromethane	2.23	50	154436	27.733	ug/L 96
5) Vinyl chloride	2.38	62	226993	27.623	ug/L 100
6) Bromomethane	2.80	94	157813	25.310	ug/L 100
8) Chloroethane	2.94	64	136047	27.986	ug/L 100
9) Trichlorofluoromethane	3.28	101	205973	24.861	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	217814	27.442	ug/L 98
12) 1,1-Dichloroethene	4.05	96	209926	26.903	ug/L 96
13) Acetone	4.15	43	50230	39.443	ug/L 95
14) Carbon disulfide	4.40	76	598224	25.411	ug/L 100
15) Methyl Acetate	4.69	43	65339	22.532	ug/L 99
16) Methylene chloride	4.93	84	207721	21.862	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	260337	24.358	ug/L 97
18) trans-1,2-Dichloroethene	5.44	96	220108	27.238	ug/L 96
19) 1,1-Dichloroethane	6.23	63	346911	27.147	ug/L 98
21) 2-Butanone	7.18	43	80040	36.943	ug/L 93
22) cis-1,2-Dichloroethene	7.18	96	228241	27.222	ug/L 98

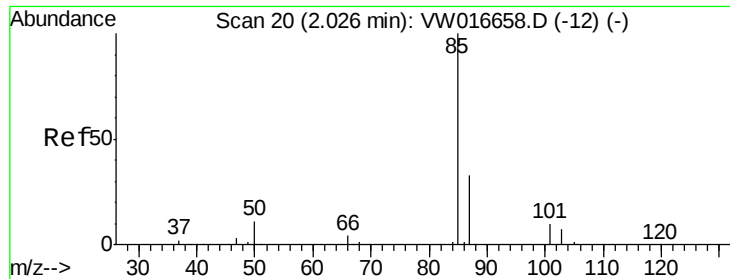
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093020\
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 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 10:40:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	106708	26.179	ug/L	96
25) Chloroform	7.68	83	378383	27.158	ug/L	99
27) 1,2-Dichloroethane	8.40	62	228449	25.555	ug/L	98
30) Cyclohexane	7.96	56	309520	26.121	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	338527	26.731	ug/L	98
32) Carbon tetrachloride	8.07	117	331104	26.911	ug/L	99
34) Benzene	8.33	78	806360	27.745	ug/L	100
35) Trichloroethene	9.10	95	227921	27.105	ug/L	99
36) Methylcyclohexane	9.34	83	383796	26.909	ug/L	99
40) 1,2-Dichloropropane	9.37	63	183216	27.105	ug/L	100
41) Bromodichloromethane	9.65	83	267857	26.740	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	305326	26.445	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	187013	43.546	ug/L	98
44) Toluene	10.39	91	917589	28.078	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	261745	26.056	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	149245	26.208	ug/L	98
47) Tetrachloroethene	10.87	164	206000	27.131	ug/L	85
49) 2-Hexanone	10.97	43	124213	45.573	ug/L	96
50) Dibromochloromethane	11.13	129	193217	25.988	ug/L	97
51) 1,2-Dibromoethane	11.24	107	149426	26.208	ug/L	97
52) Chlorobenzene	11.66	112	600934	27.375	ug/L	99
53) Ethylbenzene	11.73	91	1031039	27.788	ug/L	95
54) m,p-Xylene	11.84	106	403810	27.794	ug/L	94
55) o-xylene	12.17	106	379267	27.249	ug/L	96
56) Styrene	12.18	104	641942	27.774	ug/L	97
57) Isopropylbenzene	12.47	105	1058185	27.823	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	159625	25.067	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	117706	24.816	ug/L	98
62) Bromoform	12.35	173	111321	24.004	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	483348	27.027	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	470829	26.883	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	427827	26.773	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	25315	22.101	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	351418	26.868	ug/L	95
68) 1,2,4-trichlorobenzene	15.13	180	292006	27.598	ug/L	96
69) Naphthalene	15.37	128	482515	25.726	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	240522	26.432	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 26.453 ug/L

RT: 2.03 min Scan# 20

Delta R.T. -0.01 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

Instrument :

MSVOA_W

ClientSampleId :

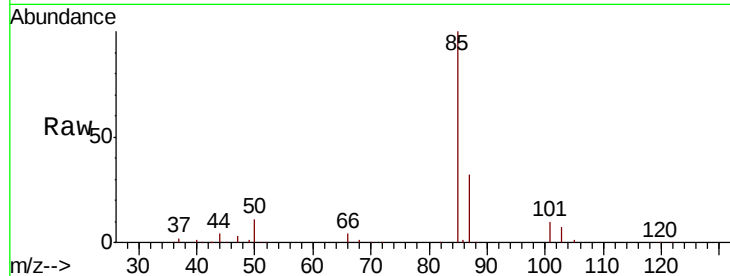
VSTD02513

Tot Ion: 85 Resp: 201318

Ion Ratio Lower Upper

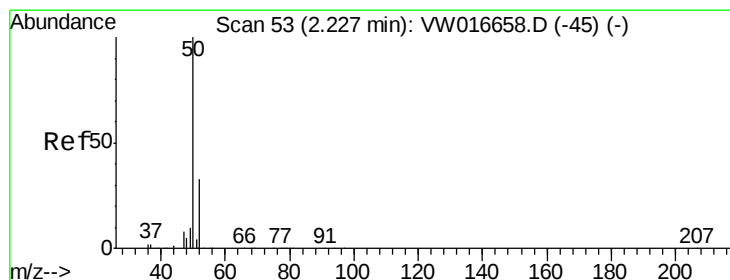
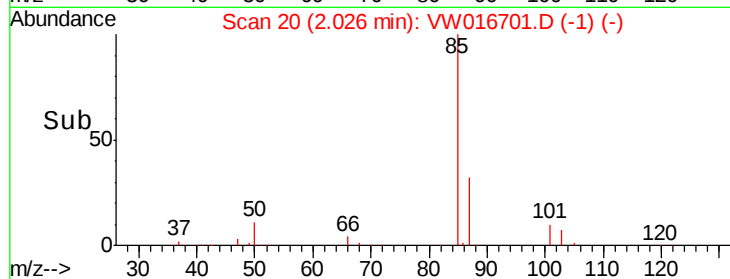
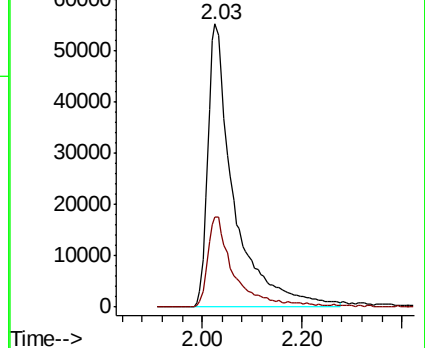
85 100

87 30.5 22.2 41.2



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 27.733 ug/L

RT: 2.23 min Scan# 53

Delta R.T. -0.01 min

Lab File: VW016701.D

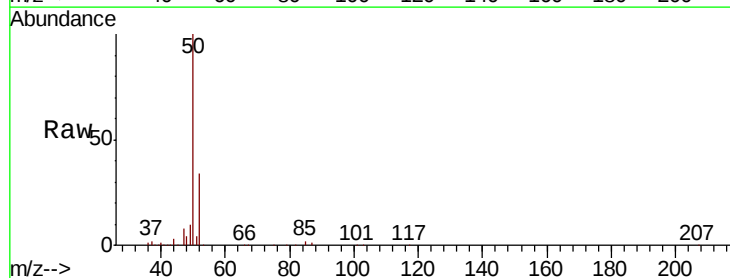
Acq: 30 Sep 2020 09:12

Tgt Ion: 50 Resp: 154436

Ion Ratio Lower Upper

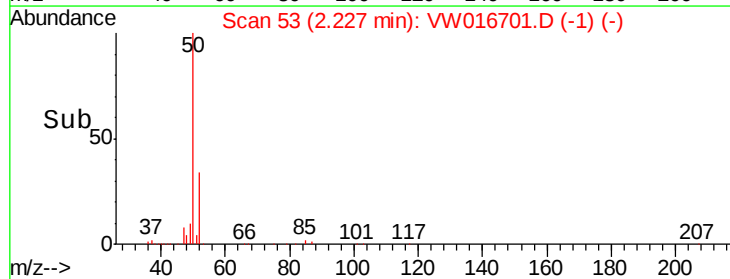
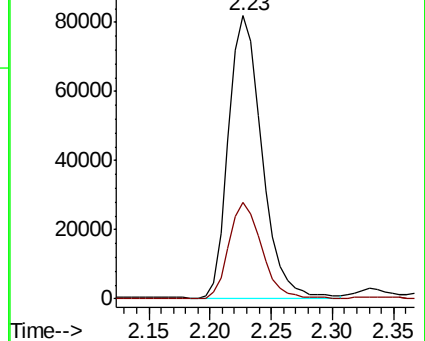
50 100

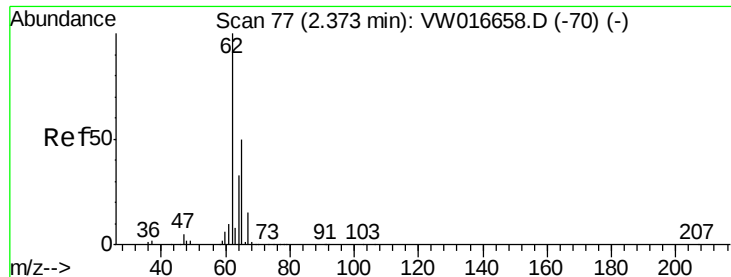
52 34.0 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.623 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

Instrument :

MSVOA_W

ClientSampleId :

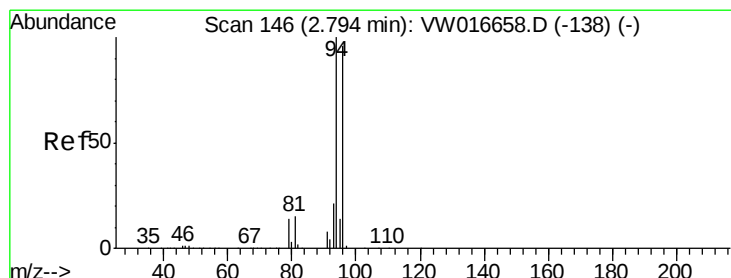
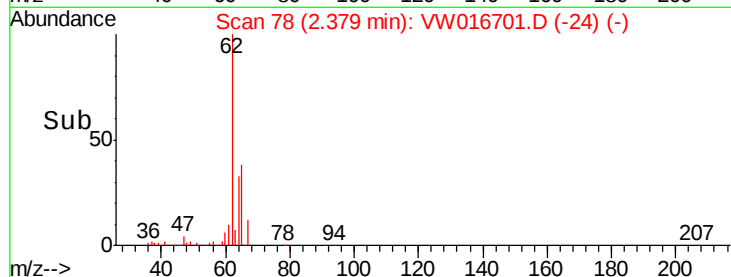
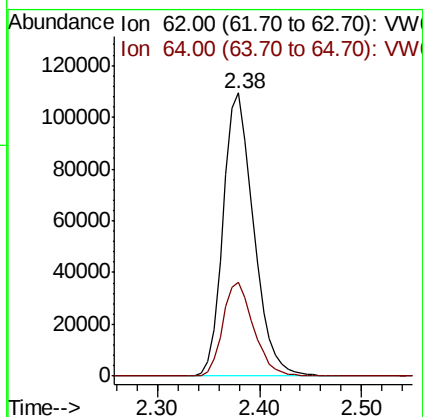
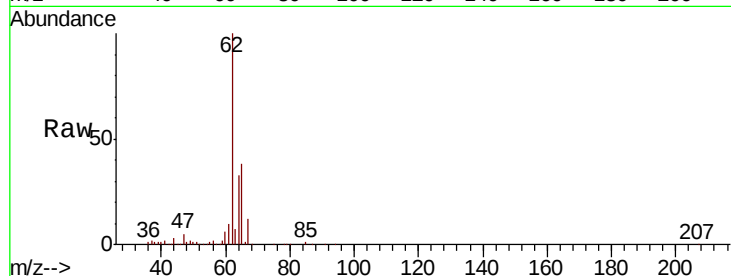
VSTD02513

Tot Ion: 62 Resp: 226993

Ion Ratio Lower Upper

62 100

64 33.3 23.4 43.4



#6

Bromomethane

Concen: 25.310 ug/L

RT: 2.80 min Scan# 147

Delta R.T. 0.00 min

Lab File: VW016701.D

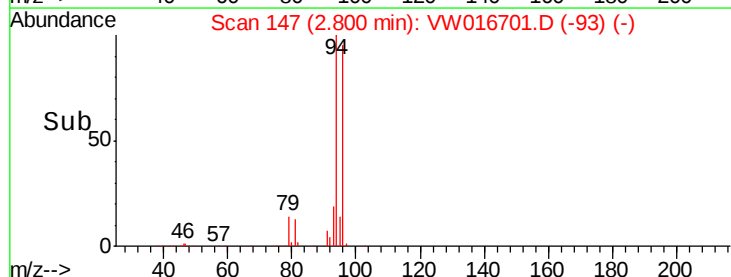
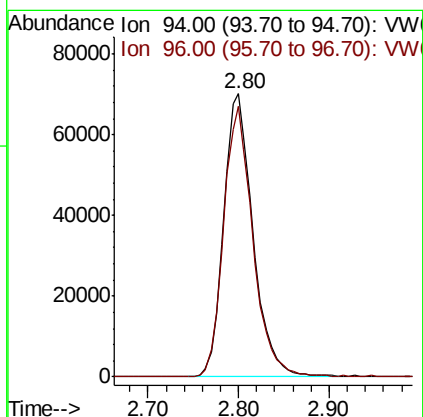
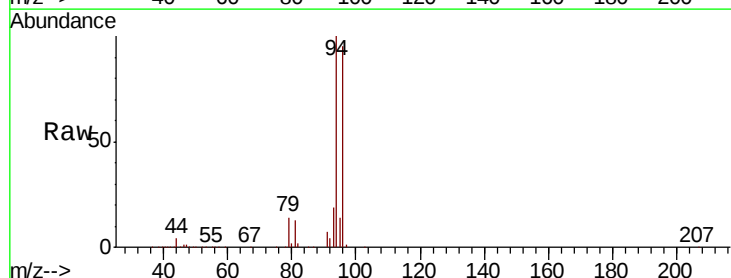
Acq: 30 Sep 2020 09:12

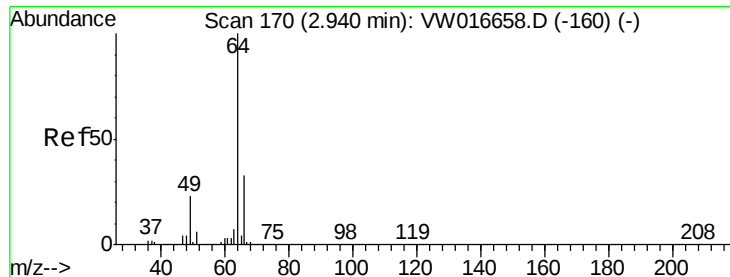
Tgt Ion: 94 Resp: 157813

Ion Ratio Lower Upper

94 100

96 95.4 9.6 181.6





#8

Chloroethane

Concen: 27.986 ug/L

RT: 2.94 min Scan# 170

Delta R.T. -0.01 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

Instrument :

MSVOA_W

ClientSampleId :

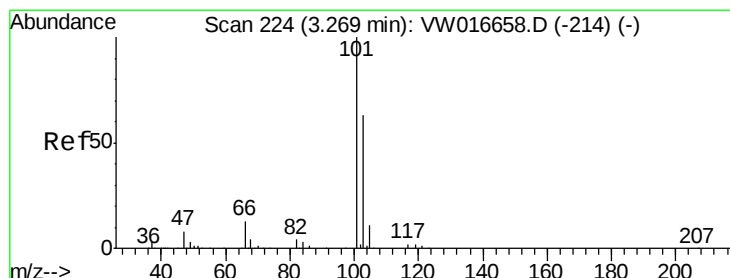
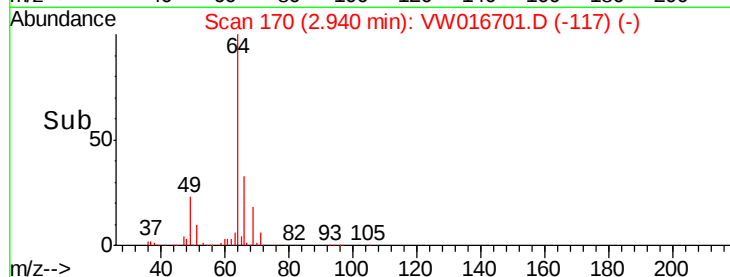
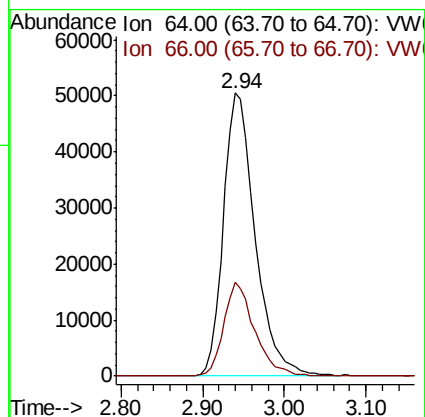
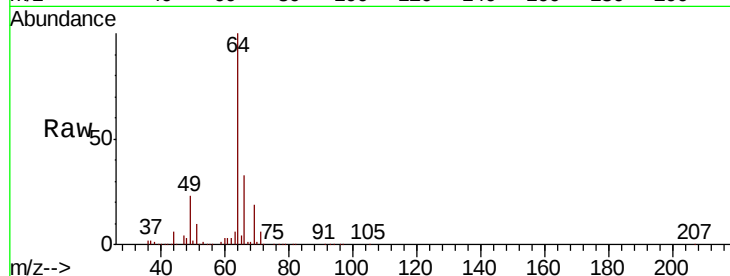
VSTD02513

Tot Ion: 64 Resp: 136047

Ion Ratio Lower Upper

64 100

66 33.0 23.2 43.2



#9

Trichlorofluoromethane

Concen: 24.861 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.00 min

Lab File: VW016701.D

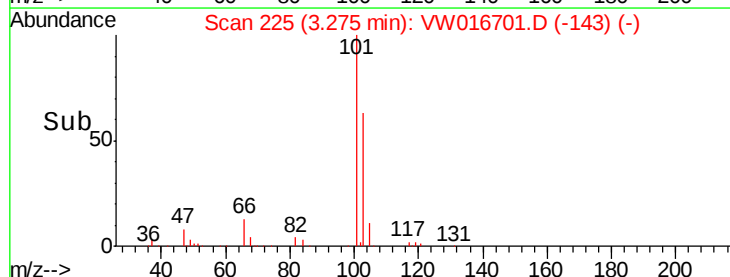
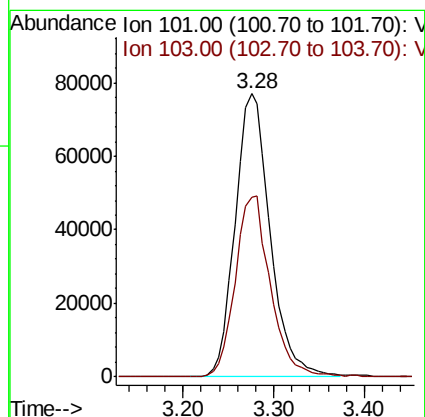
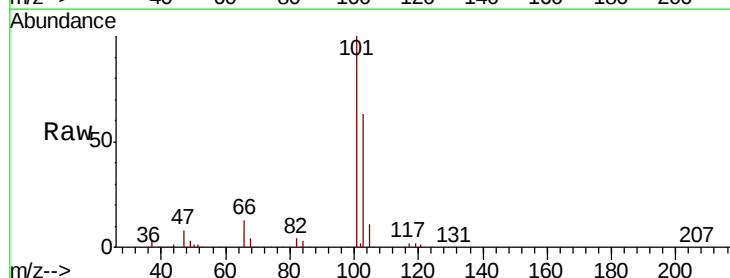
Acq: 30 Sep 2020 09:12

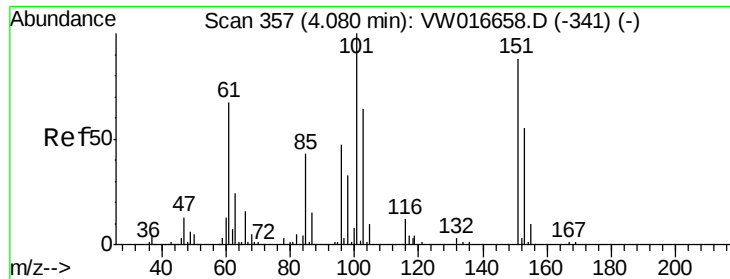
Tgt Ion: 101 Resp: 205973

Ion Ratio Lower Upper

101 100

103 64.1 45.2 84.0





#11

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

Concen: 27.442 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

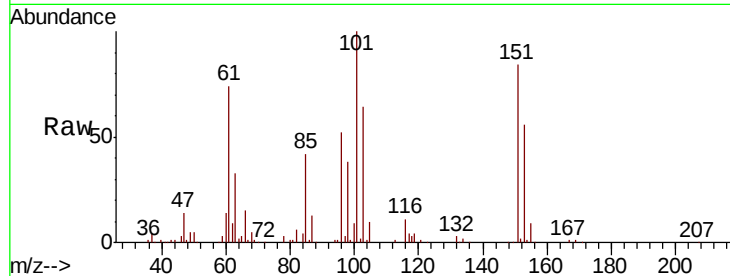
Tot Ion:101 Resp: 217814

Ion Ratio Lower Upper

101 100

85 41.9 32.6 49.0

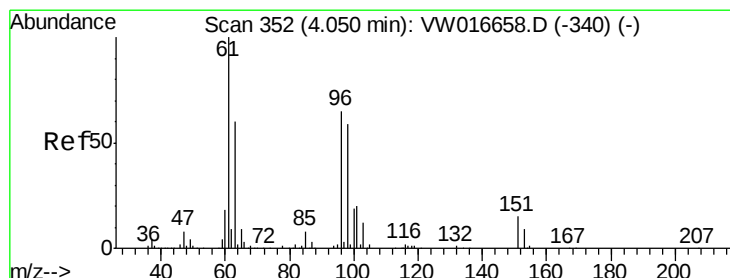
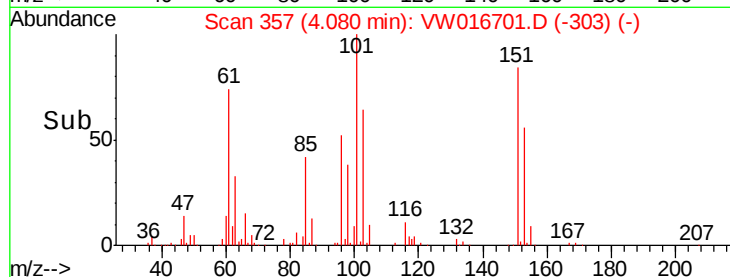
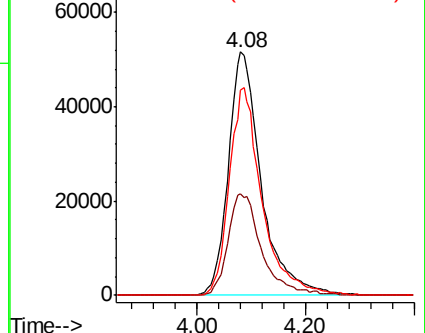
151 84.6 66.0 99.0



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: 26.903 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

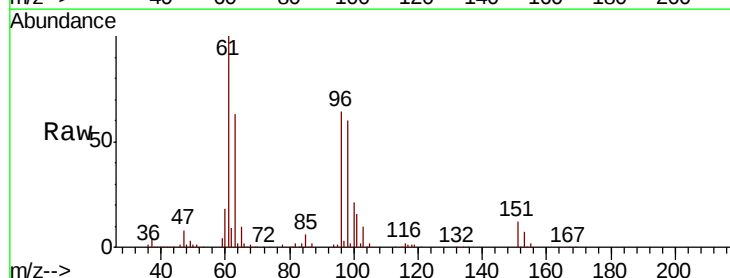
Tgt Ion: 96 Resp: 209926

Ion Ratio Lower Upper

96 100

61 155.6 111.4 206.8

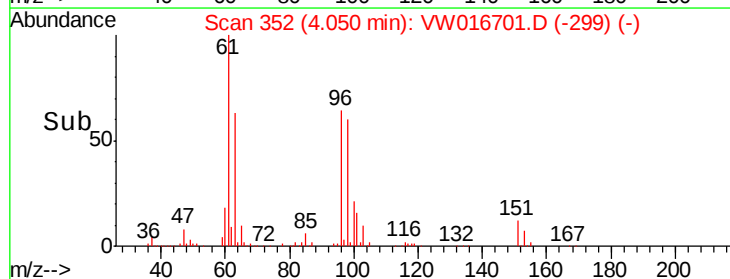
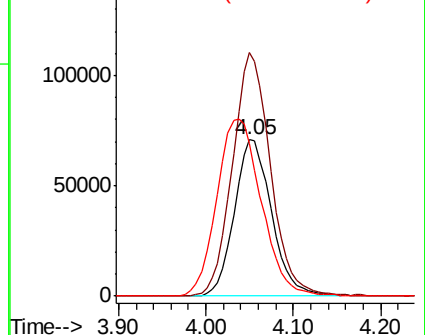
63 97.4 73.0 135.6

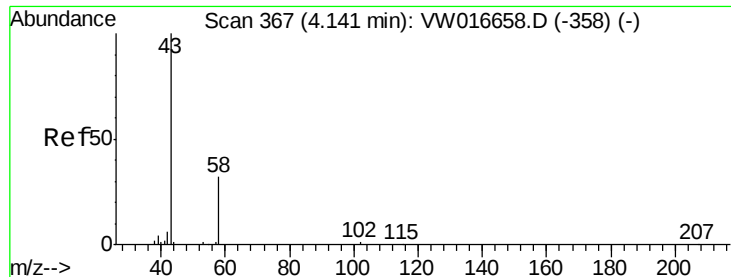


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.443 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

Instrument :

MSVOA_W

ClientSampleId :

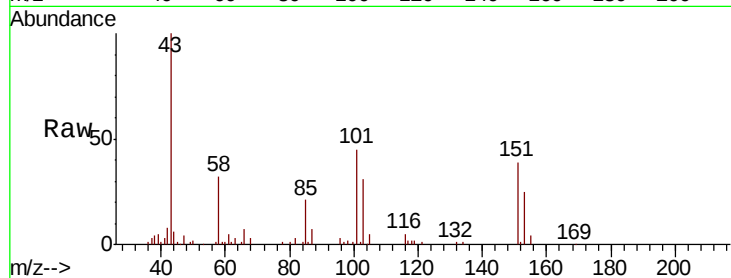
VSTD02513

Tot Ion: 43 Resp: 50230

Ion Ratio Lower Upper

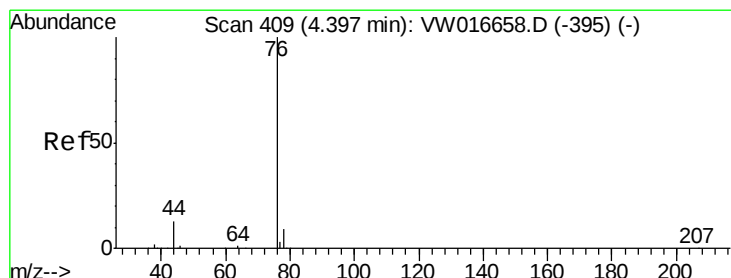
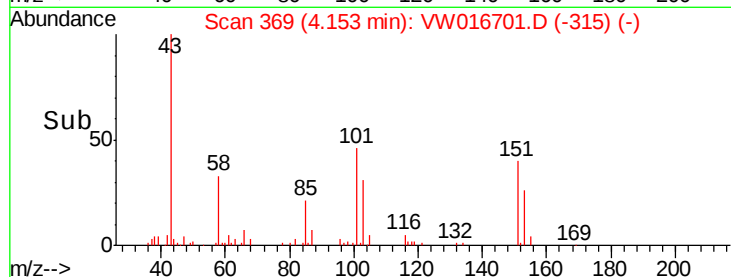
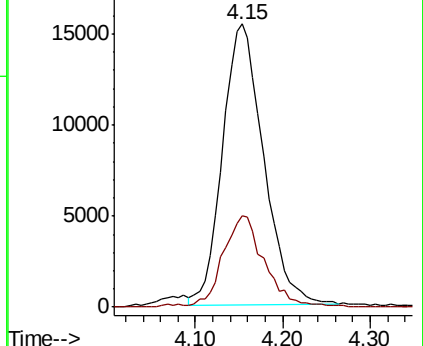
43 100

58 32.7 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.411 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.00 min

Lab File: VW016701.D

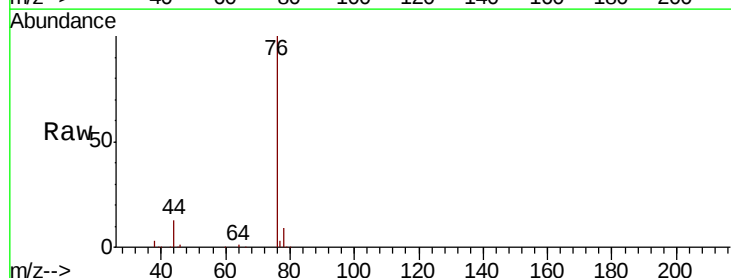
Acq: 30 Sep 2020 09:12

Tgt Ion: 76 Resp: 598224

Ion Ratio Lower Upper

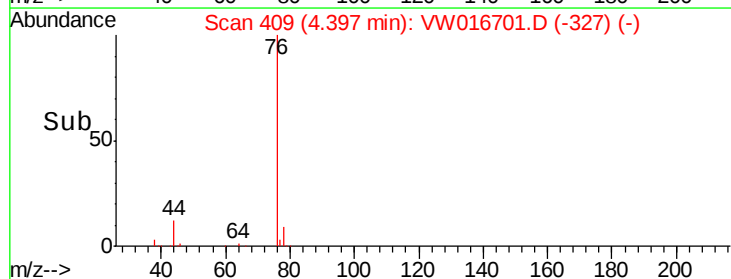
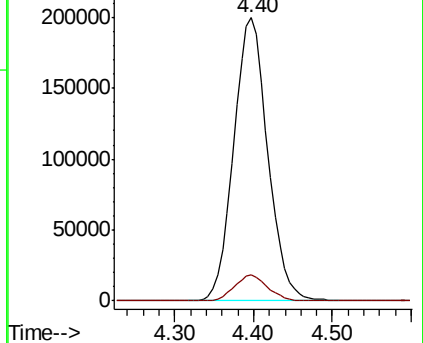
76 100

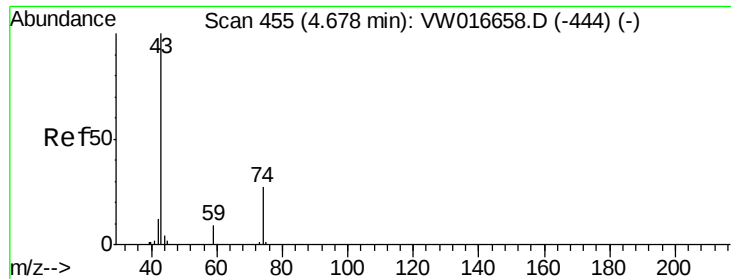
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

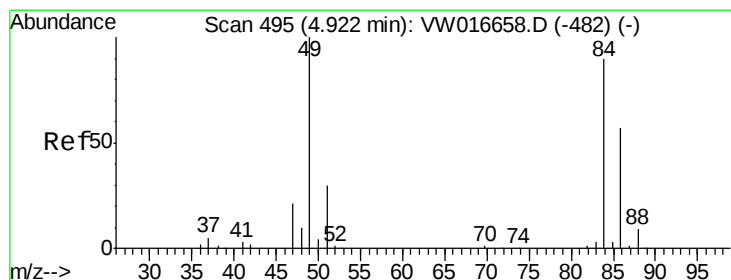
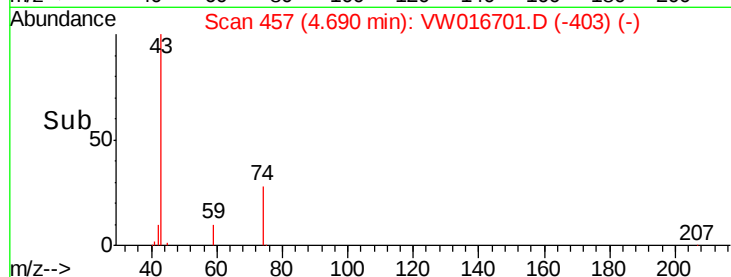
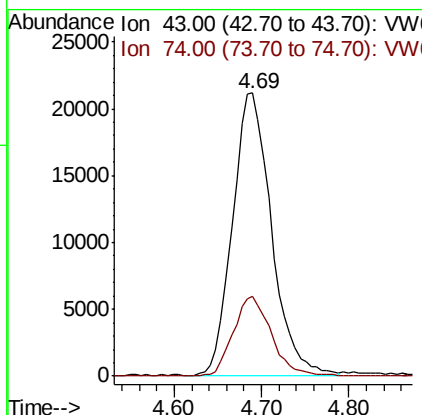
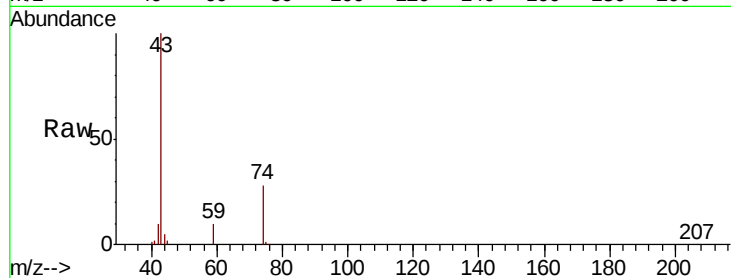




#15
Methvl Acetate
Concen: 22.532 ug/L
RT: 4.69 min Scan# 457
Delta R.T. 0.00 min
Lab File: VW016701.D
Acq: 30 Sep 2020 09:12

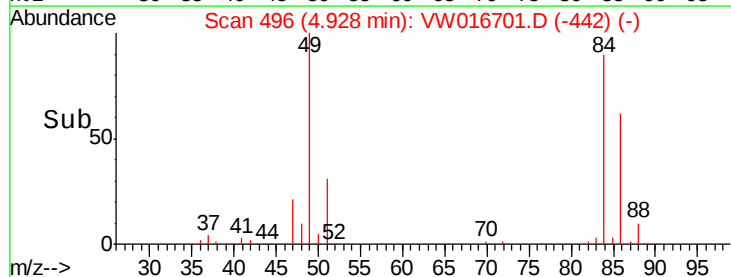
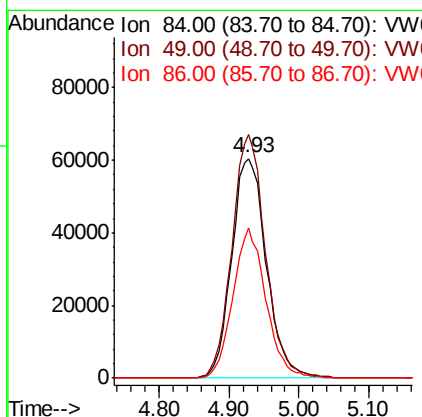
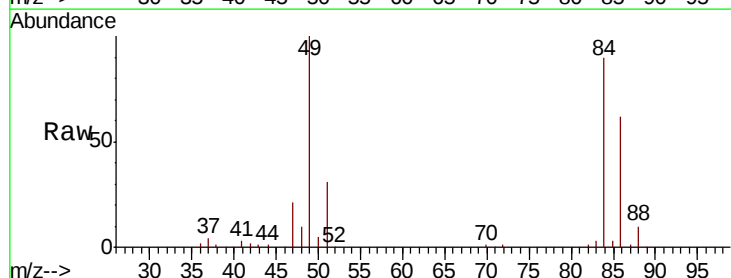
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

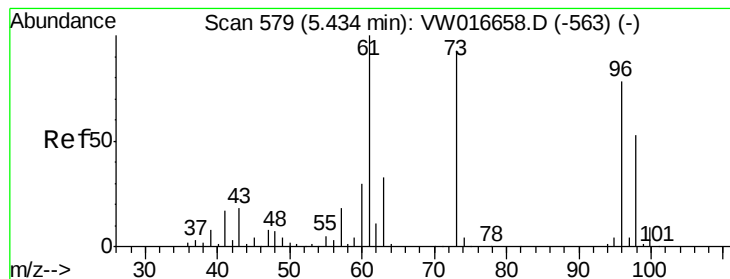
Tot Ion: 43 Resp: 65339
Ion Ratio Lower Upper
43 100
74 27.5 21.5 32.3



#16
Methylene chloride
Concen: 21.862 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW016701.D
Acq: 30 Sep 2020 09:12

Tgt Ion: 84 Resp: 207721
Ion Ratio Lower Upper
84 100
49 111.0 76.0 141.2
86 68.5 45.6 84.6



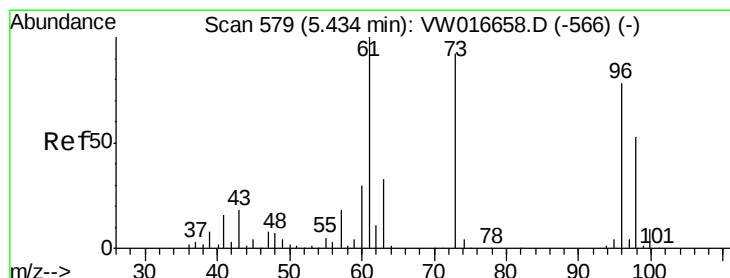
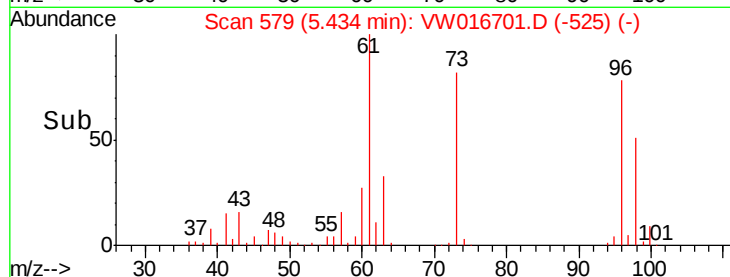
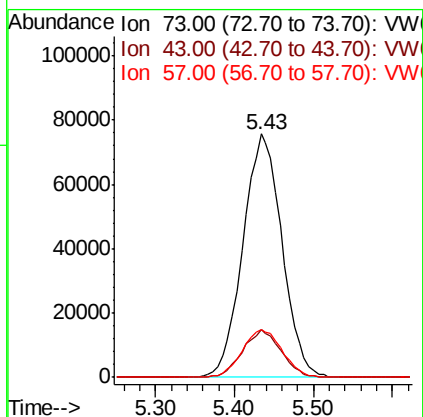
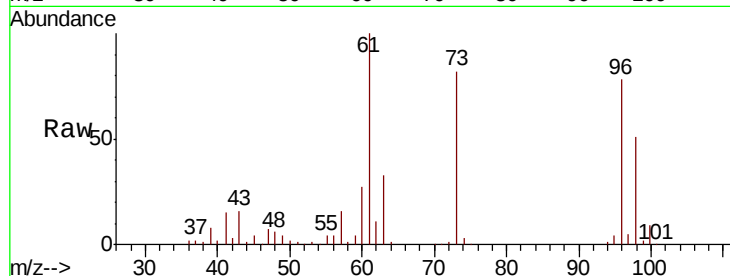


#17

Methvl tert-butvl Ether
 Concen: 24.358 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

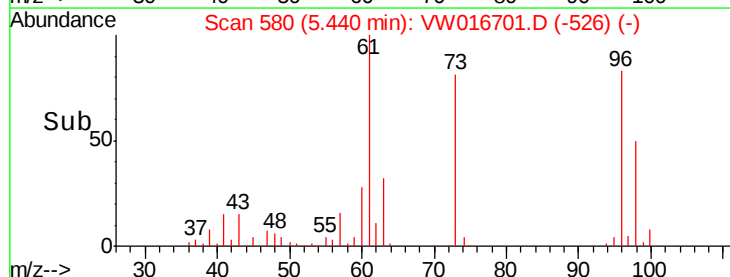
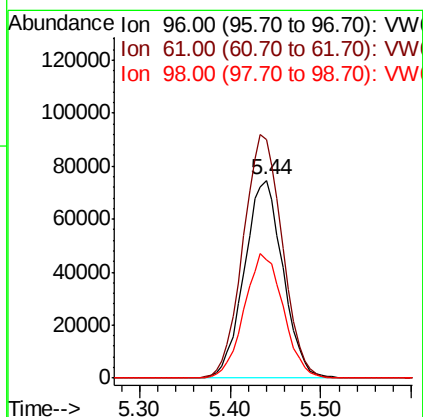
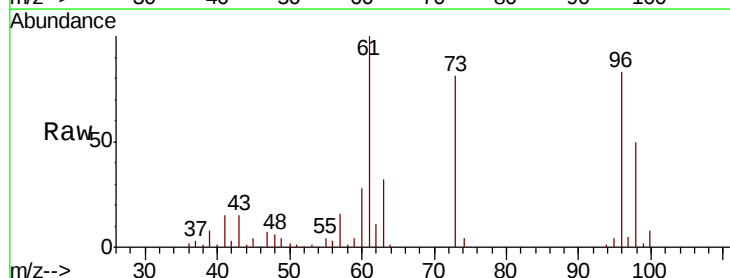
Tot Ion	Ratio	Lower	Upper
73	100		
43	19.3	17.2	25.8
57	20.1	16.3	24.5

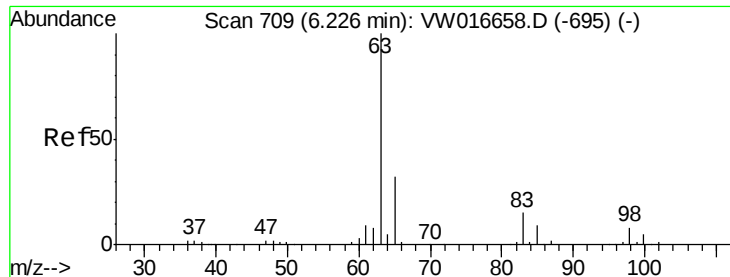


#18

trans-1,2-Dichloroethene
 Concen: 27.238 ug/L
 RT: 5.44 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.6	88.4	164.2
98	59.7	43.0	80.0

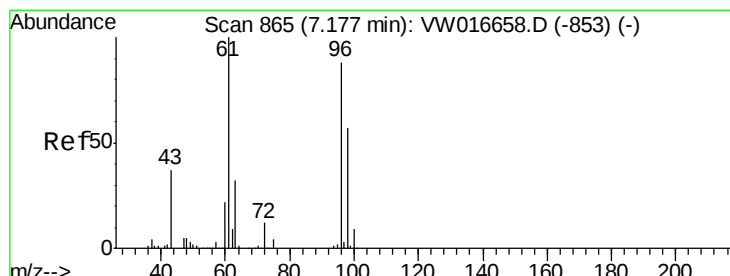
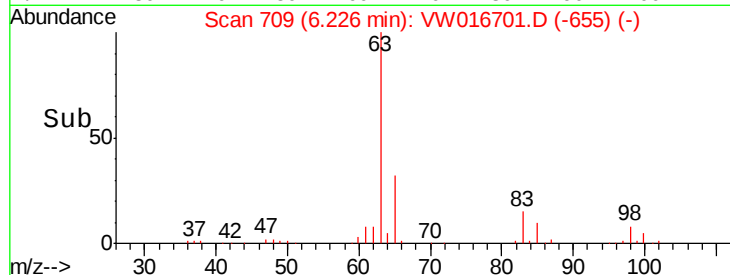
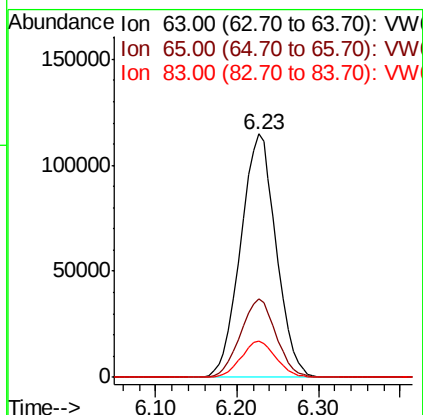
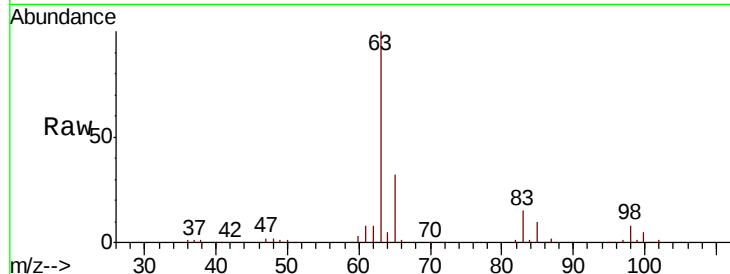




#19
 1,1-Dichloroethane
 Concen: 27.147 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

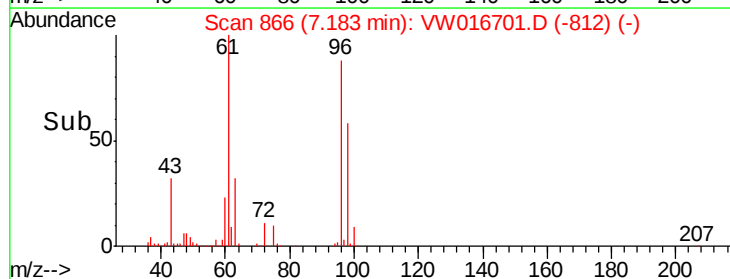
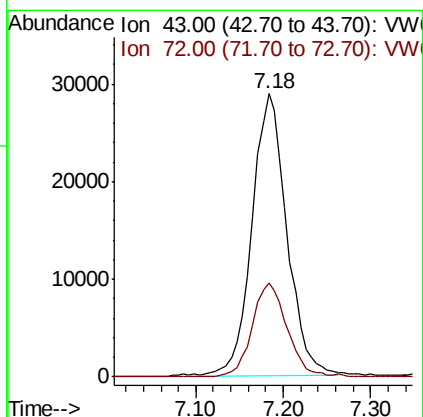
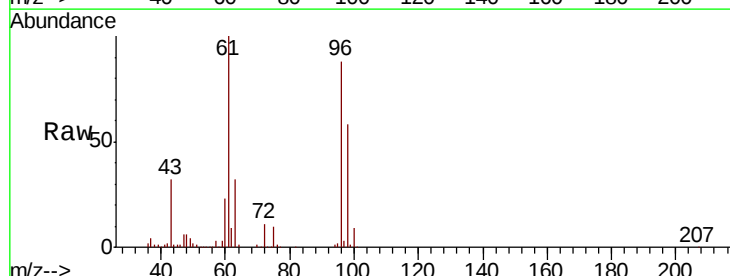
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

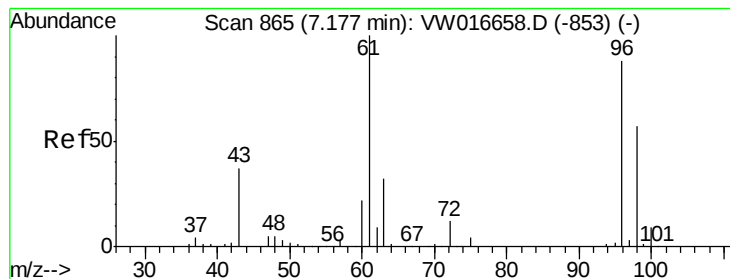
Tot Ion: 63 Resp: 346911
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.6 40.0
 83 14.7 10.4 19.2



#21
 2-Butanone
 Concen: 36.943 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

Tgt Ion: 43 Resp: 80040
 Ion Ratio Lower Upper
 43 100
 72 33.1 14.6 43.8





#22

cis-1,2-Dichloroethene

Concen: 27.222 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

Instrument :

MSVOA_W

ClientSampled :

VSTD02513

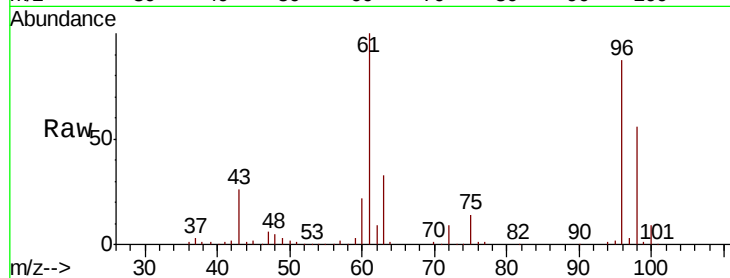
Tot Ion: 96 Resp: 228241

Ion Ratio Lower Upper

96 100

61 115.1 78.4 145.6

98 64.3 44.8 83.2

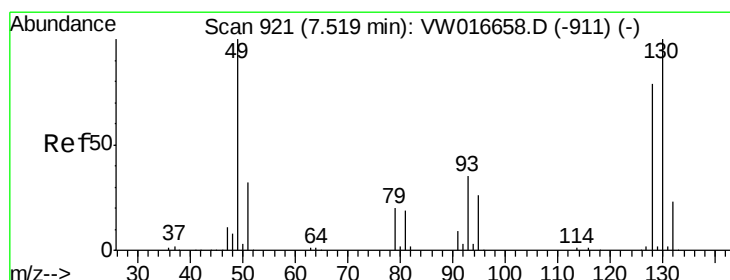
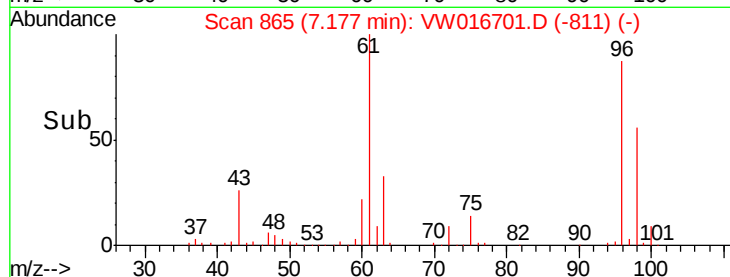
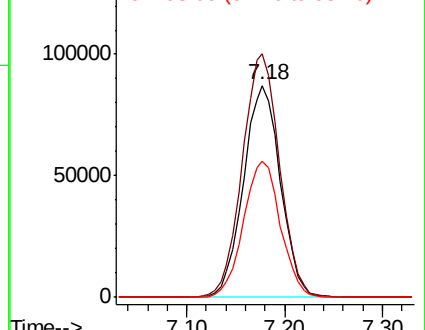


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 26.179 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

Tgt Ion: 128 Resp: 106708

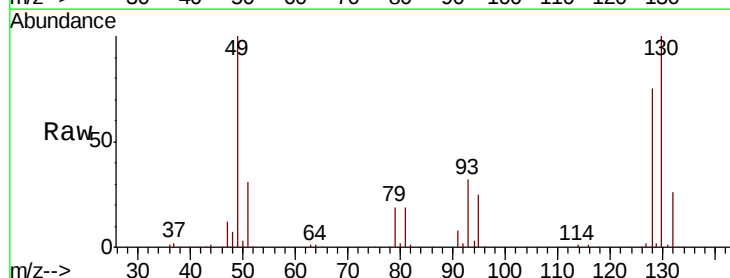
Ion Ratio Lower Upper

128 100

49 133.2 92.1 171.1

130 133.5 87.8 163.0

51 41.6 33.6 50.4



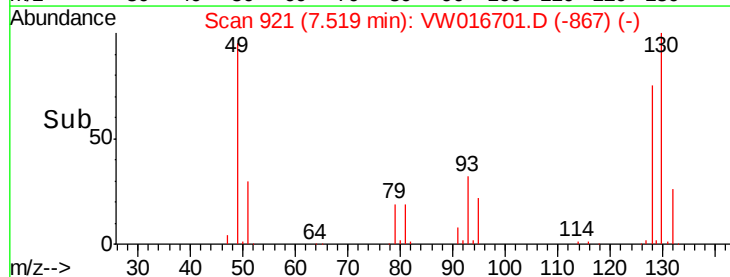
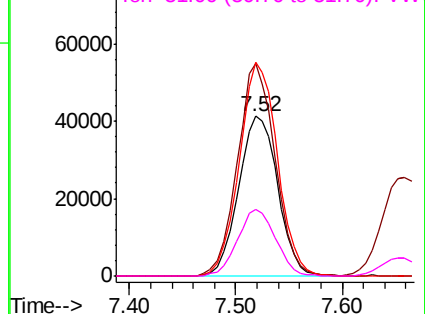
Abundance

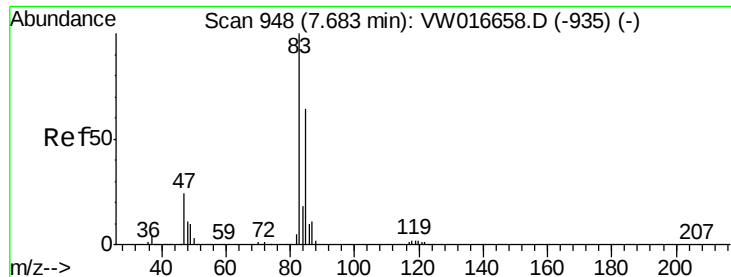
Ion 128.00 (127.70 to 128.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): VW

Ion 51.00 (50.70 to 51.70): VW

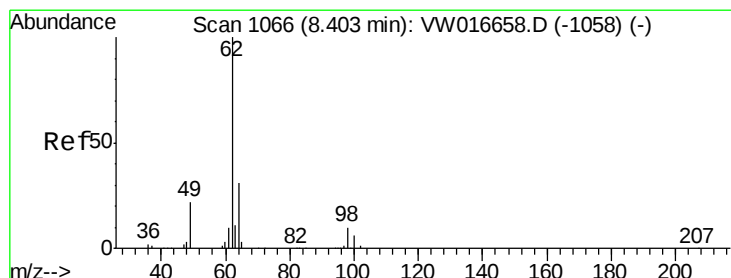
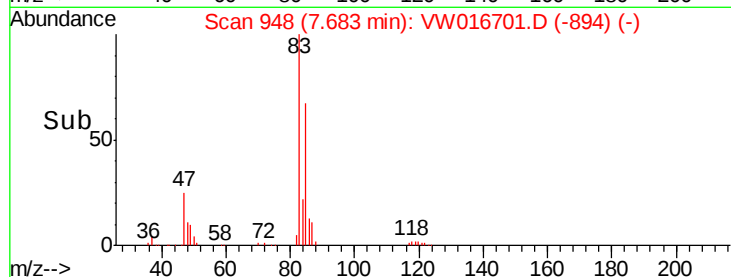
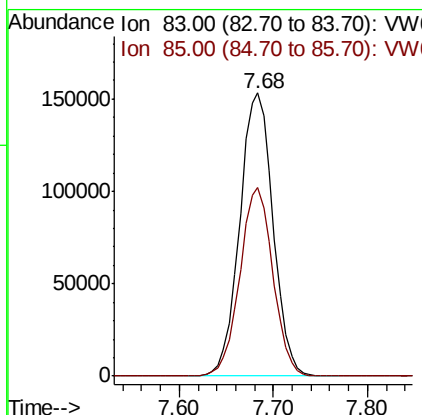
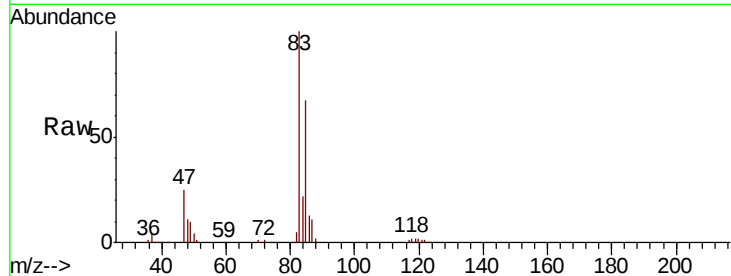




#25
Chloroform
Concen: 27.158 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW016701.D
Acq: 30 Sep 2020 09:12

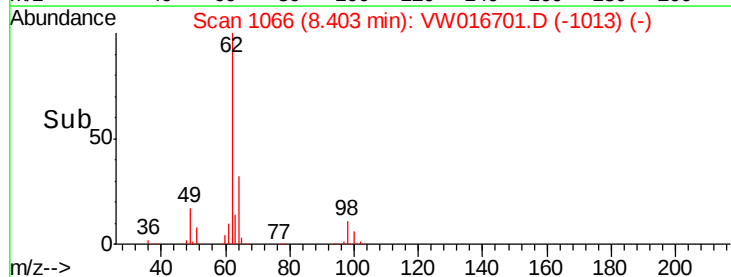
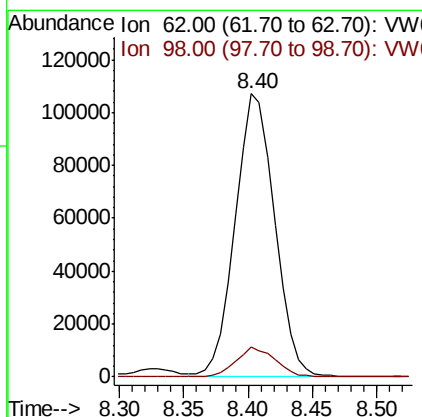
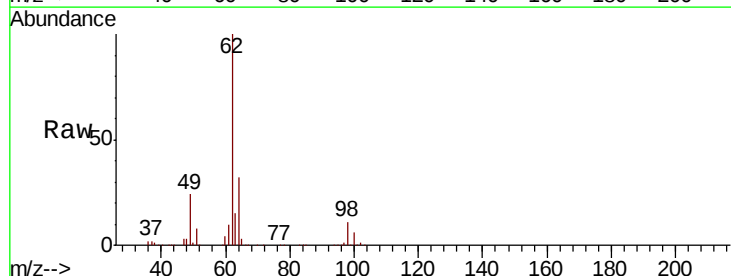
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

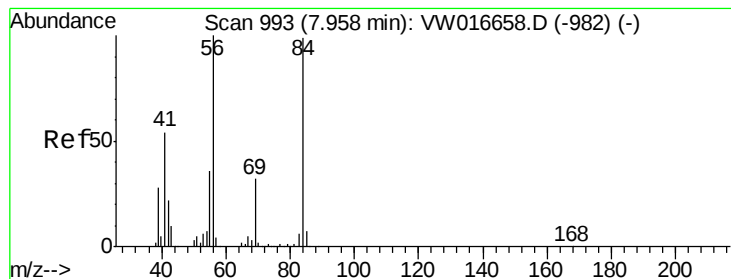
Tot Ion: 83 Resp: 378383
Ion Ratio Lower Upper
83 100
85 66.3 46.1 85.5



#27
1,2-Dichloroethane
Concen: 25.555 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VW016701.D
Acq: 30 Sep 2020 09:12

Tgt Ion: 62 Resp: 228449
Ion Ratio Lower Upper
62 100
98 10.6 7.9 11.9





#30

Cyclohexane

Concen: 26.121 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

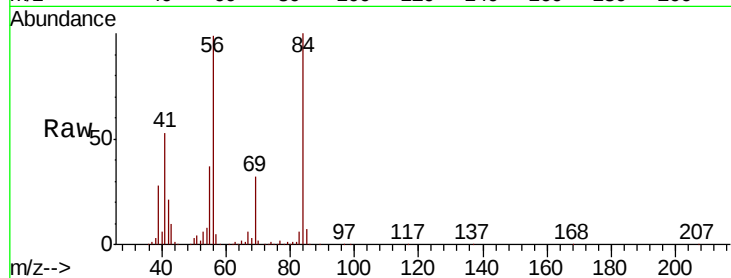
Tot Ion: 56 Resp: 309520

Ion Ratio Lower Upper

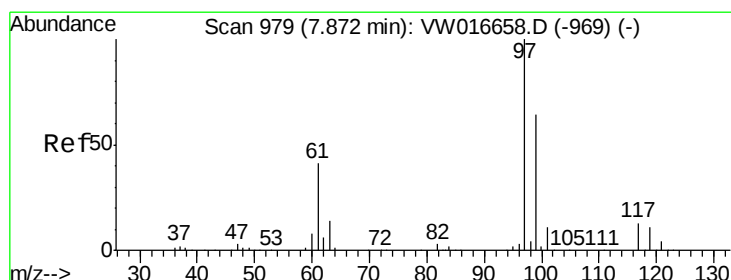
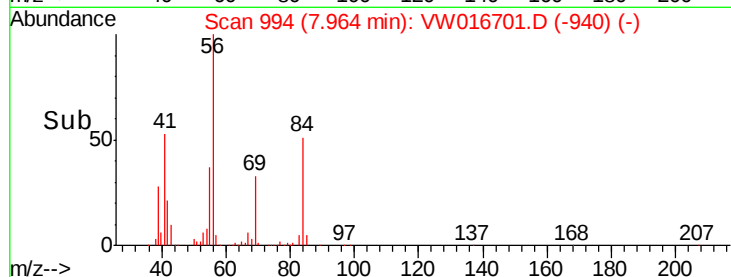
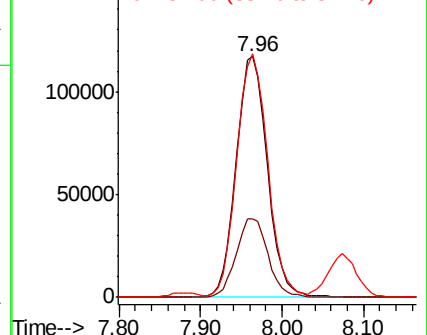
56 100

69 33.3 26.5 39.7

84 100.5 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: 26.731 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

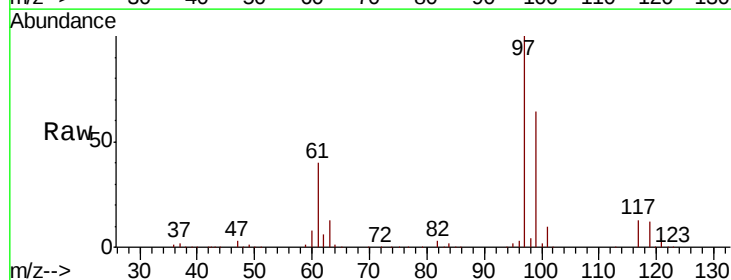
Tgt Ion: 97 Resp: 338527

Ion Ratio Lower Upper

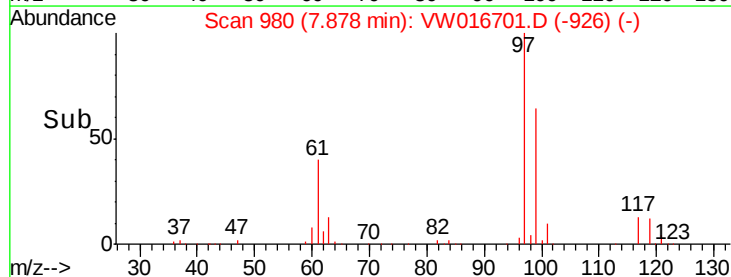
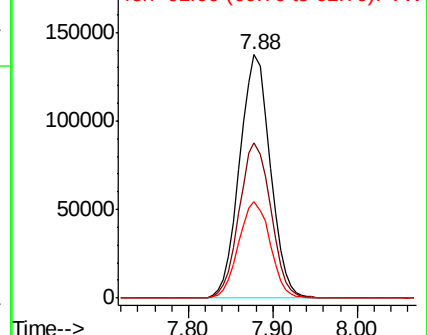
97 100

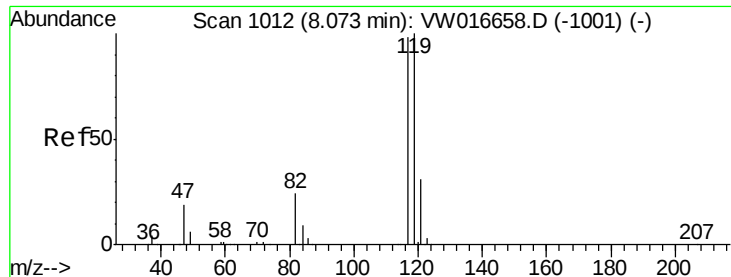
99 65.8 51.8 77.6

61 40.8 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: 26.911 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

Instrument :

MSVOA_W

ClientSampleId :

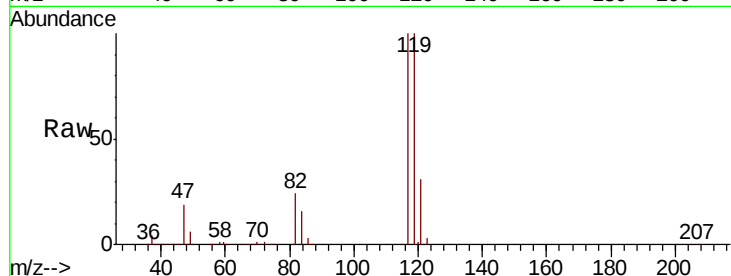
VSTD02513

Tot Ion:117 Resp: 331104

Ion Ratio Lower Upper

117 100

119 96.6 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

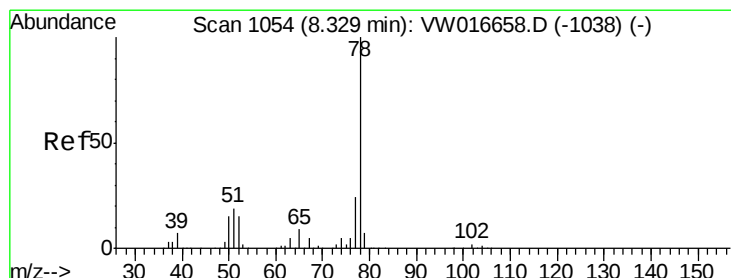
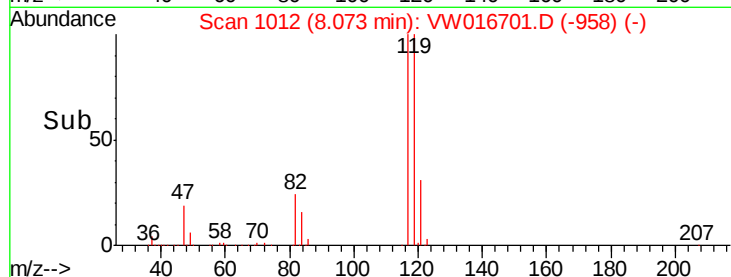
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 27.745 ug/L

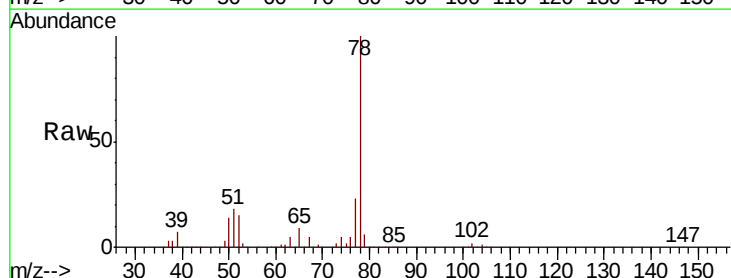
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

Tgt Ion: 78 Resp: 806360



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

400000

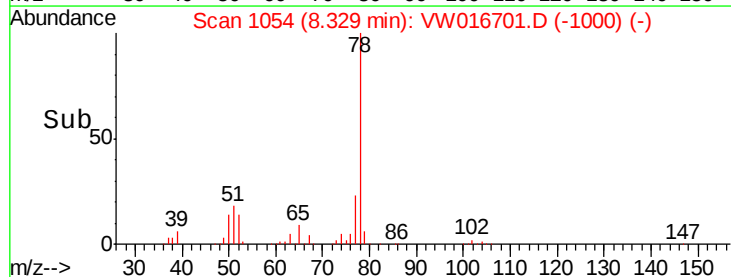
300000

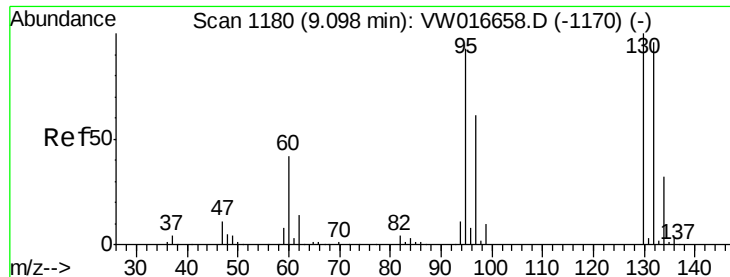
200000

100000

0

Time-->

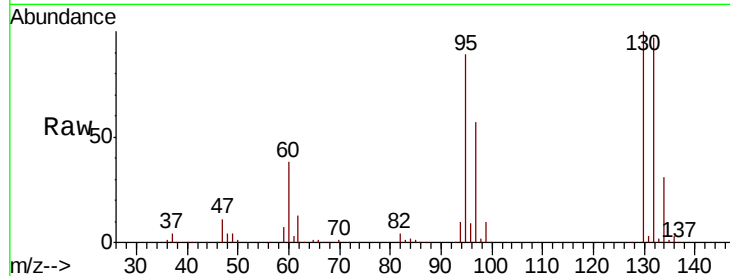




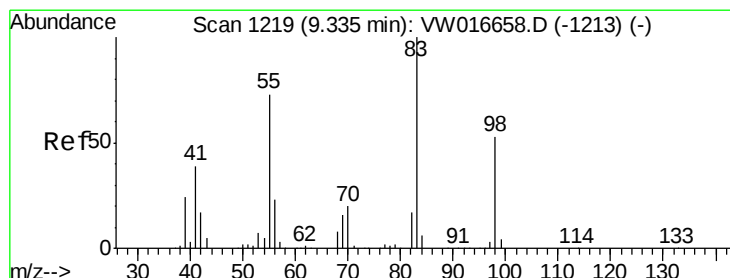
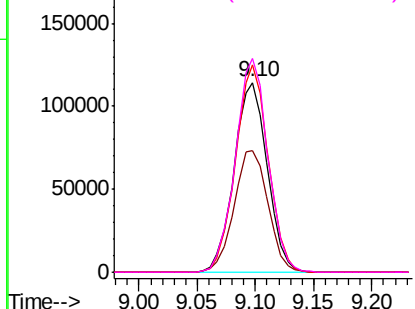
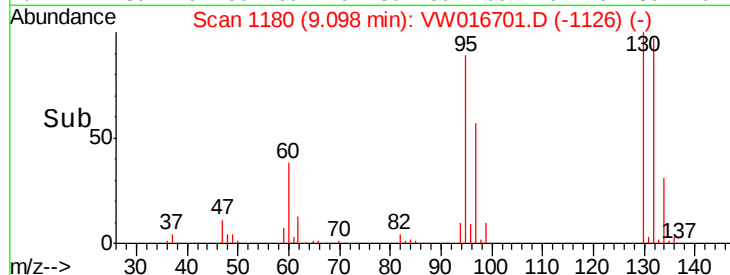
#35
 Trichloroethene
 Concen: 27.105 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Tot Ion: 95 Resp: 227921
 Ion Ratio Lower Upper
 95 100
 97 65.4 45.2 84.0
 132 107.0 73.3 136.1
 130 110.2 77.5 143.9

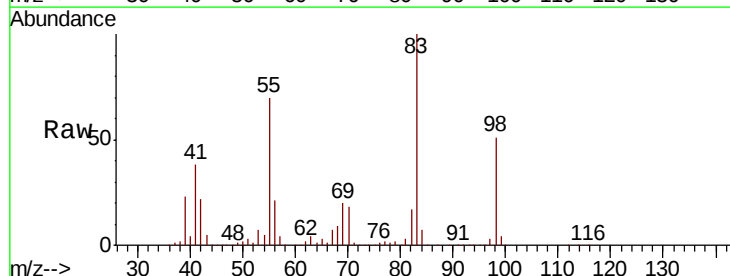


Abundance Ion 95.00 (94.70 to 95.70): VW
 200000 Ion 97.00 (96.70 to 97.70): VW
 150000 Ion 132.00 (131.70 to 132.70): V
 100000 Ion 130.00 (129.70 to 130.70): V

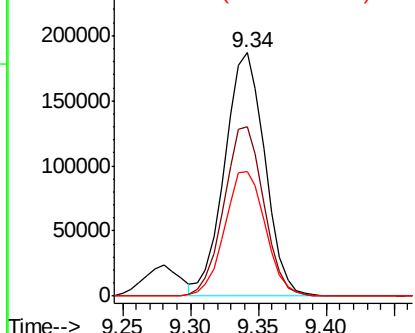
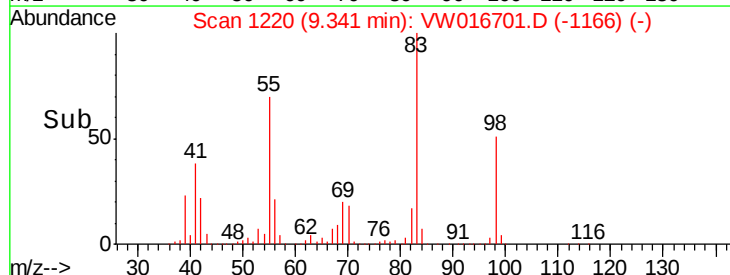


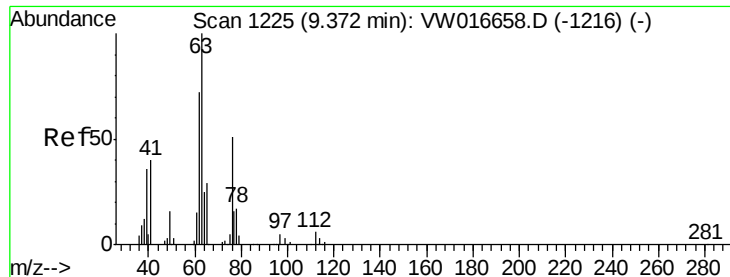
#36
 Methylcyclohexane
 Concen: 26.909 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

Tgt Ion: 83 Resp: 383796
 Ion Ratio Lower Upper
 83 100
 55 68.8 55.9 83.9
 98 52.0 42.1 63.1



Abundance Ion 83.00 (82.70 to 83.70): VW
 250000 Ion 55.00 (54.70 to 55.70): VW
 200000 Ion 98.00 (97.70 to 98.70): VW

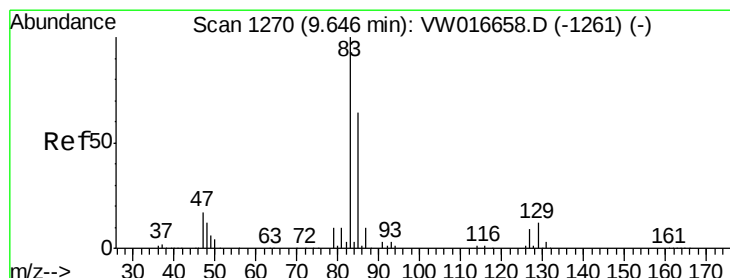
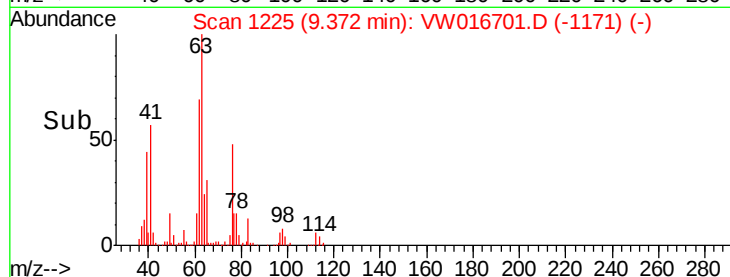
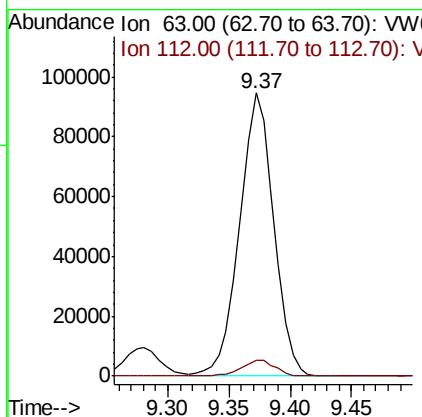
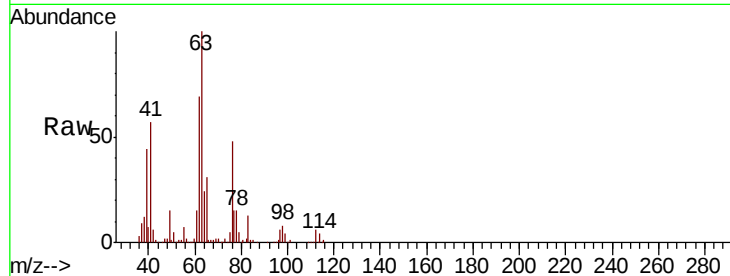




#40
 1,2-Dichloropropane
 Concen: 27.105 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

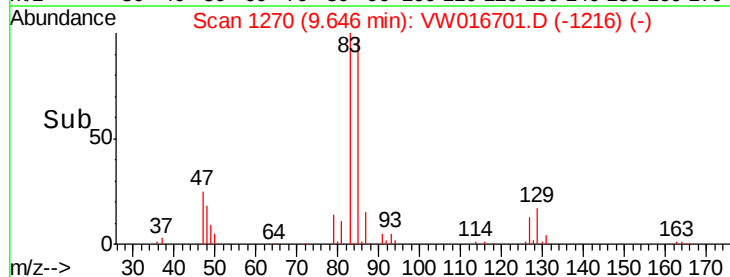
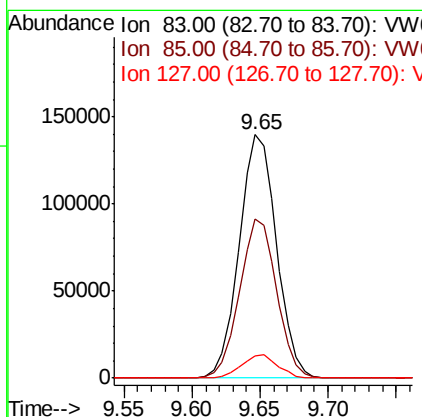
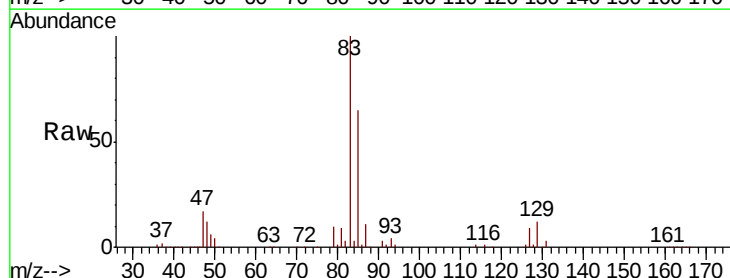
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02513

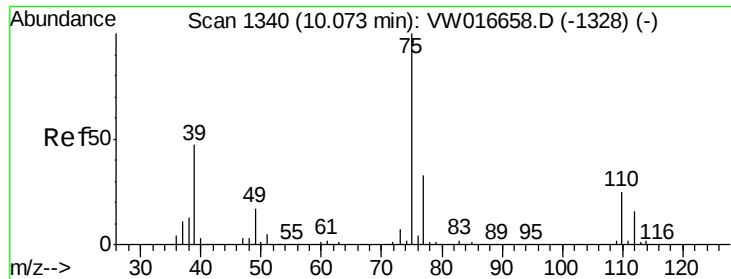
Tot Ion: 63 Resp: 183216
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.5 6.7



#41
 Bromodichloromethane
 Concen: 26.740 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

Tgt Ion: 83 Resp: 267857
 Ion Ratio Lower Upper
 83 100
 85 65.4 46.8 86.8
 127 9.0 6.8 10.2

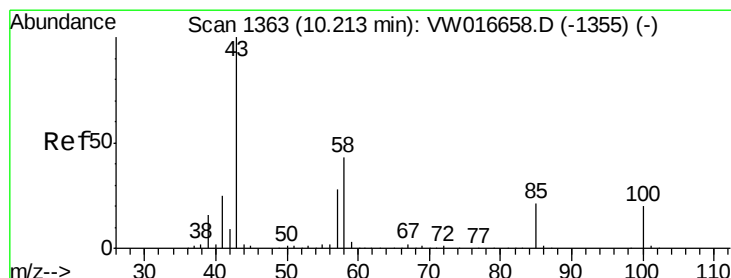
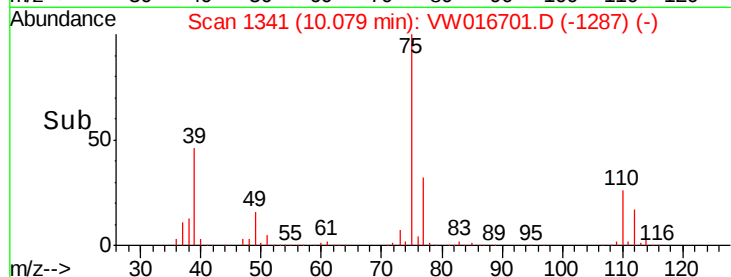
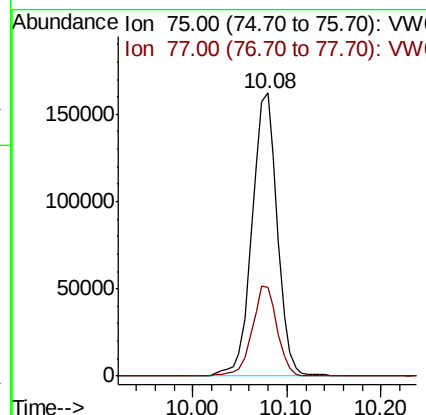
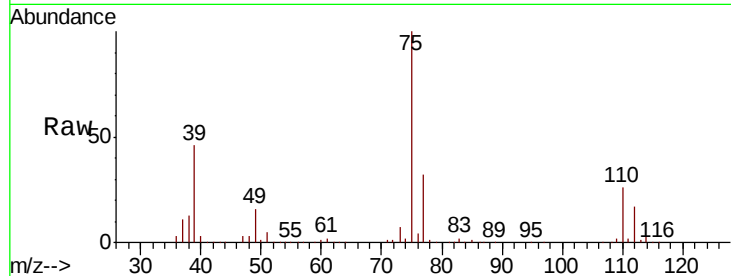




#42
 cis-1,3-Dichloropropene
 Concen: 26.445 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

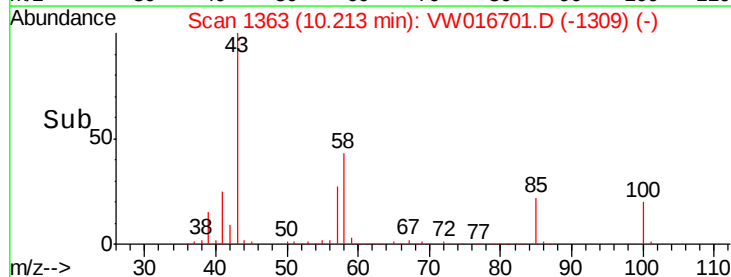
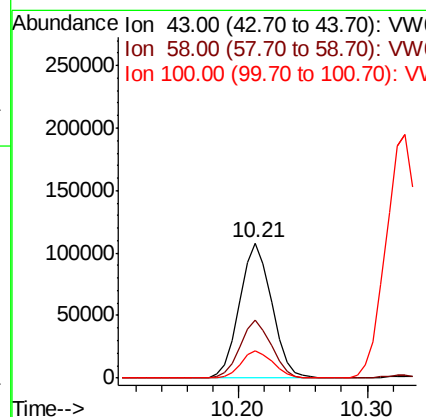
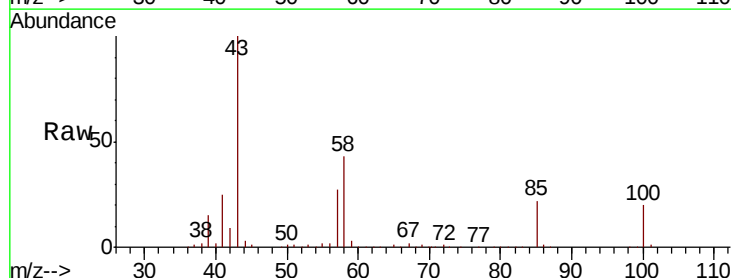
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

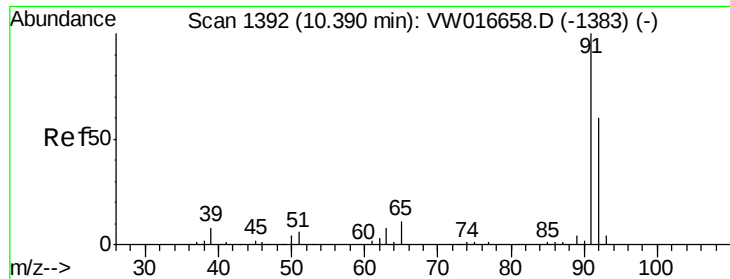
Tot Ion: 75 Resp: 305326
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 43.546 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

Tgt Ion: 43 Resp: 187013
 Ion Ratio Lower Upper
 43 100
 58 41.6 32.2 48.4
 100 20.2 15.8 23.6





#44

Toluene

Concen: 28.078 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

Instrument :

MSVOA_W

ClientSampleId :

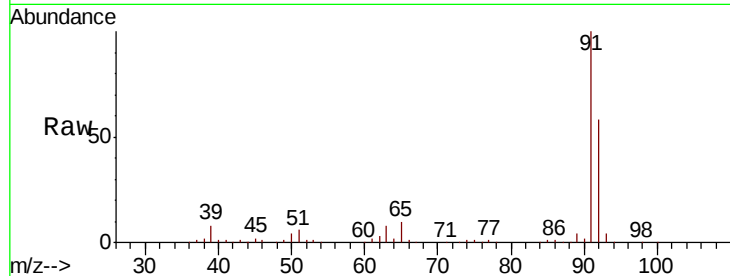
VSTD02513

Tot Ion: 91 Resp: 917589

Ion Ratio Lower Upper

91 100

92 58.0 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

600000

500000

400000

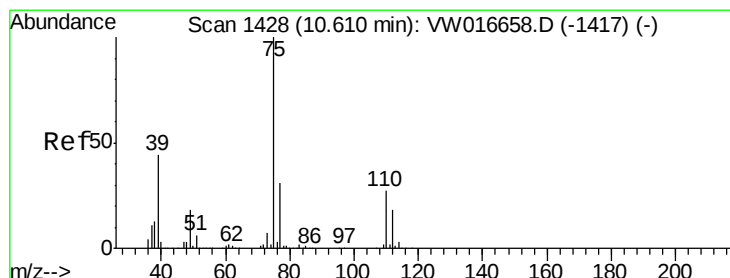
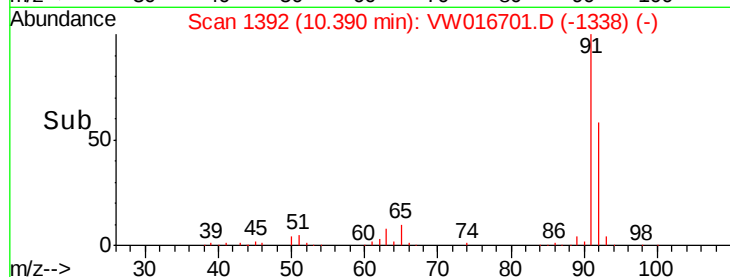
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.056 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016701.D

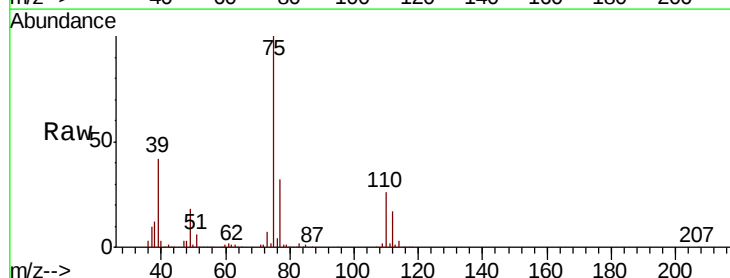
Acq: 30 Sep 2020 09:12

Tgt Ion: 75 Resp: 261745

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

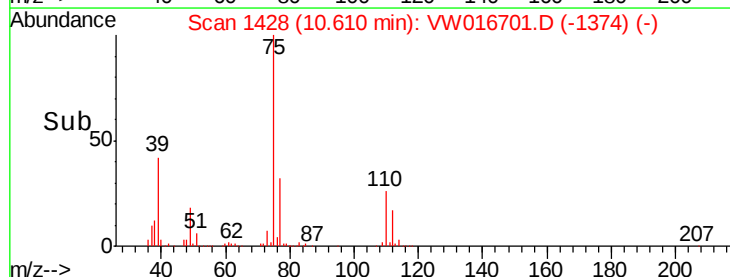
150000

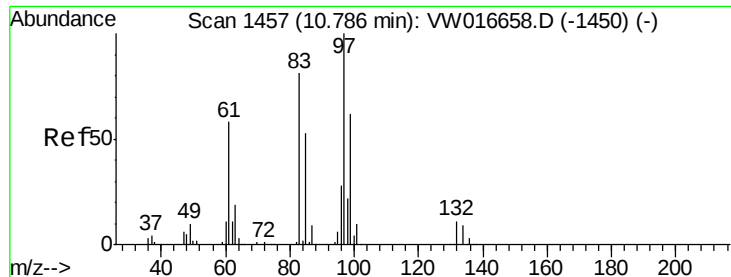
100000

50000

0

Time-->

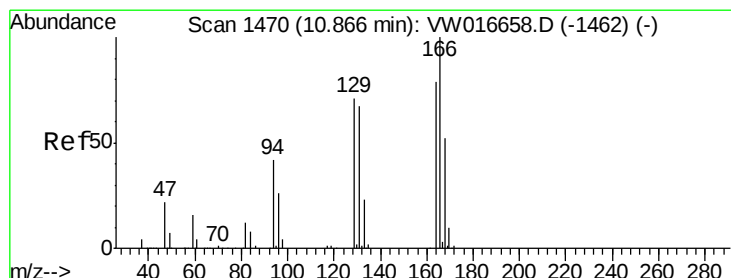
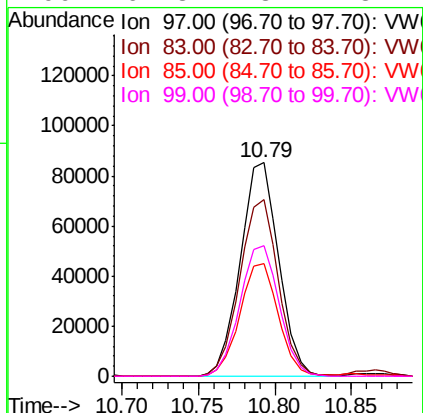
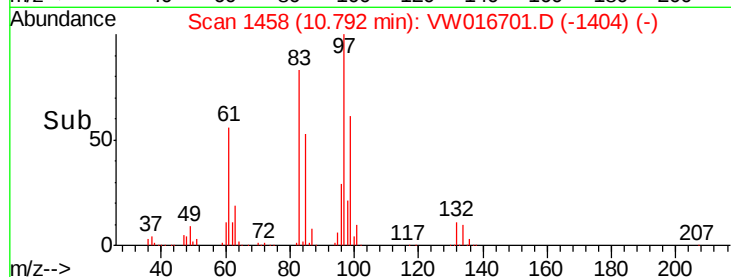
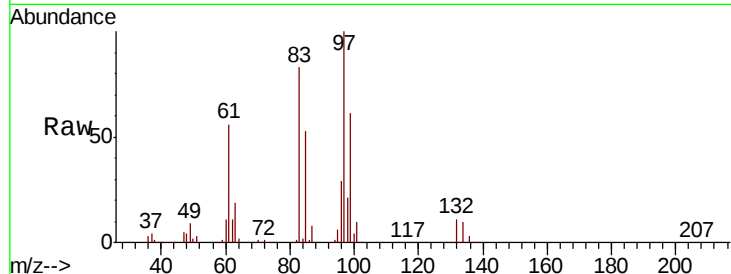




#46
 1,1,2-Trichloroethane
 Concen: 26.208 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

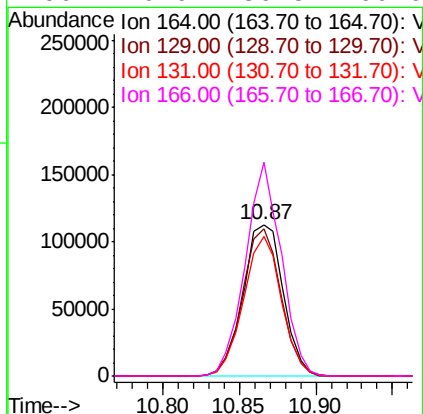
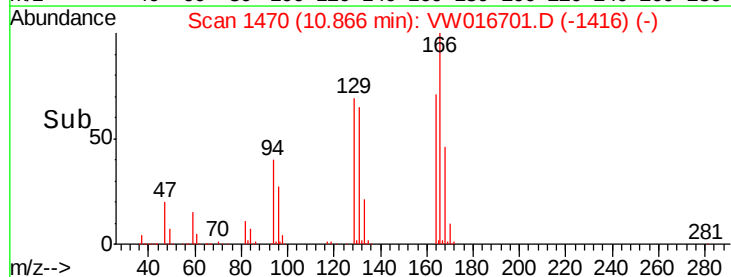
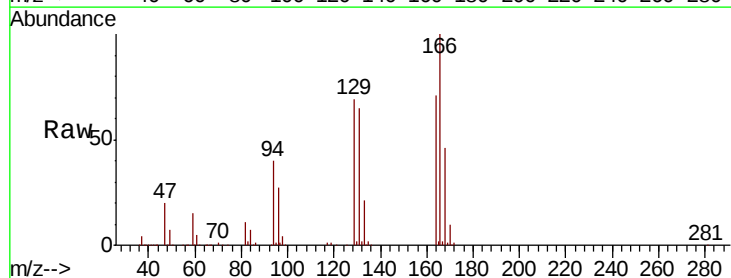
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

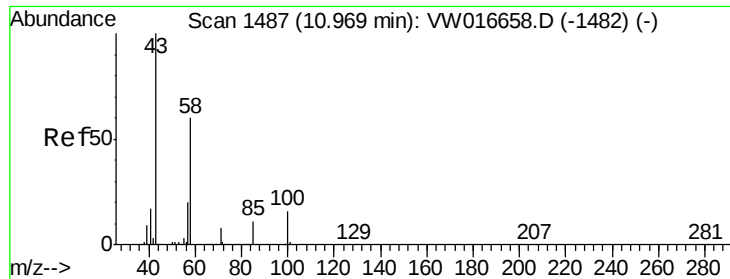
Tot Ion:	97	Resp:	149245
Ion	Ratio	Lower	Upper
97	100		
83	82.5	55.7	103.5
85	52.9	36.8	68.4
99	61.3	43.7	81.1



#47
 Tetrachloroethene
 Concen: 27.131 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

Tgt Ion:	164	Resp:	206000
Ion	Ratio	Lower	Upper
164	100		
129	96.8	55.6	103.2
131	91.9	57.2	106.2
166	140.9	86.5	160.6





#49

2-Hexanone

Concen: 45.573 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

Tot Ion: 43 Resp: 124213

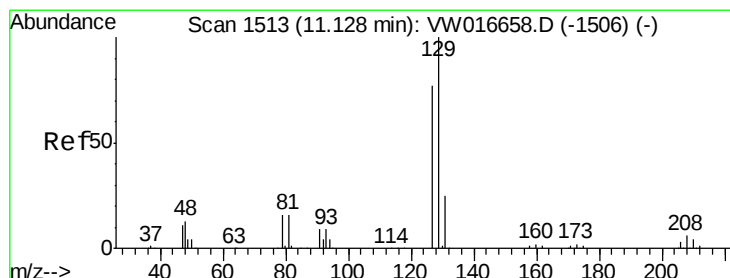
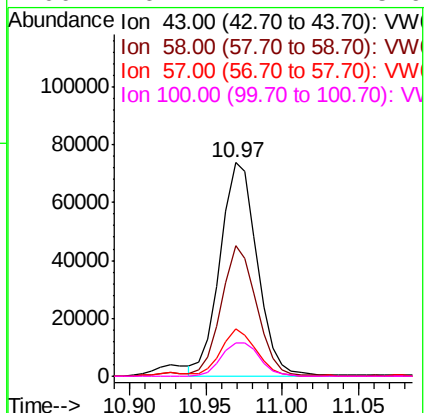
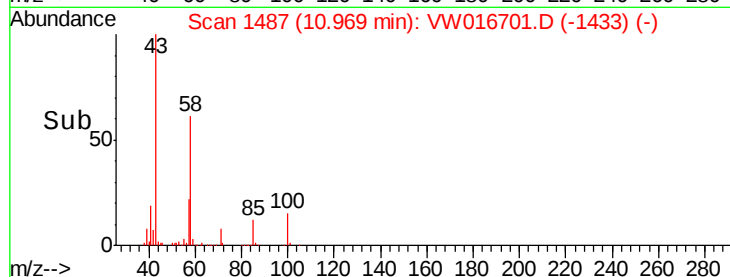
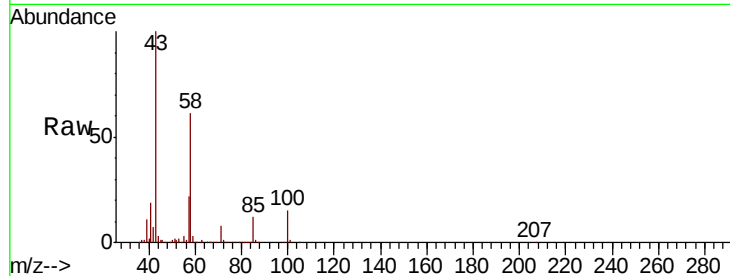
Ion Ratio Lower Upper

43 100

58 58.9 44.2 66.2

57 20.9 16.3 24.5

100 16.1 12.4 18.6



#50

Dibromochloromethane

Concen: 25.988 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016701.D

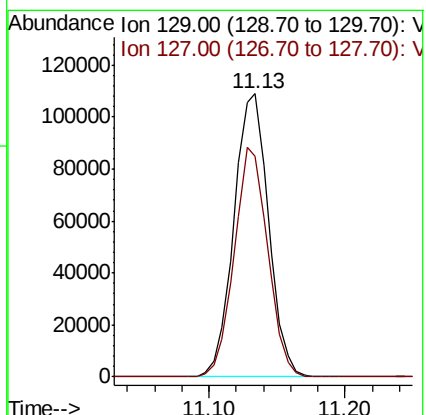
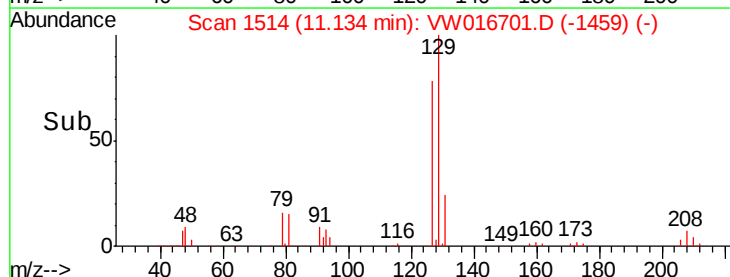
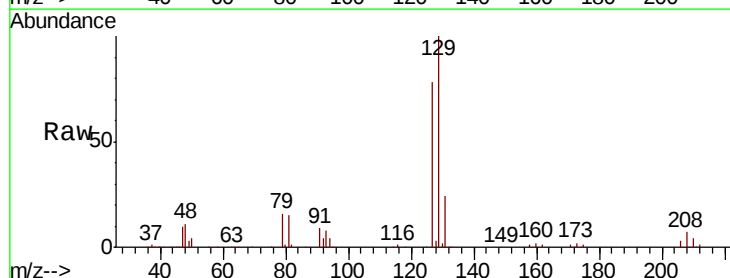
Acq: 30 Sep 2020 09:12

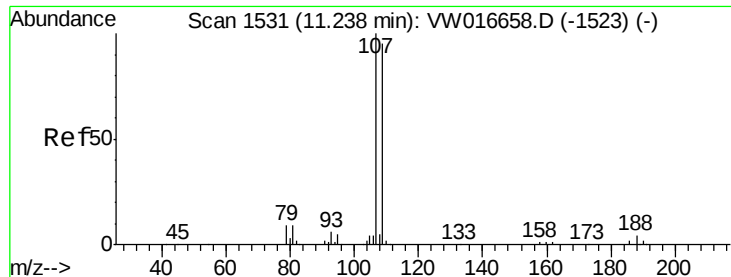
Tgt Ion: 129 Resp: 193217

Ion Ratio Lower Upper

129 100

127 77.8 52.4 97.4

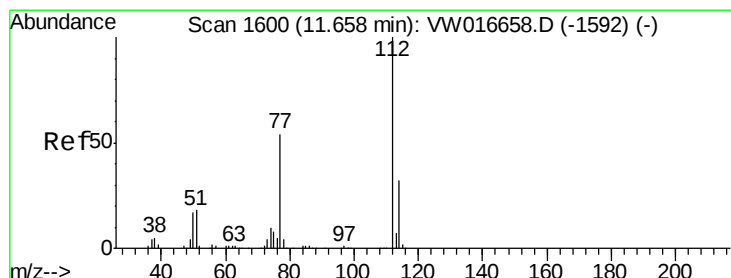
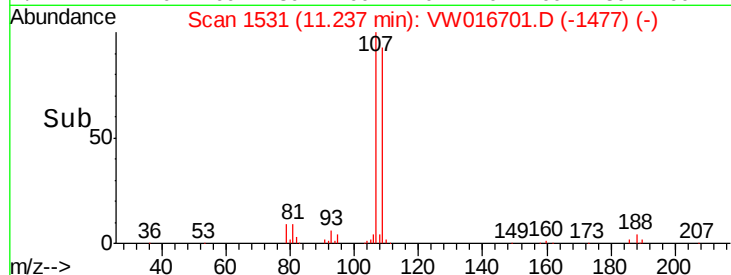
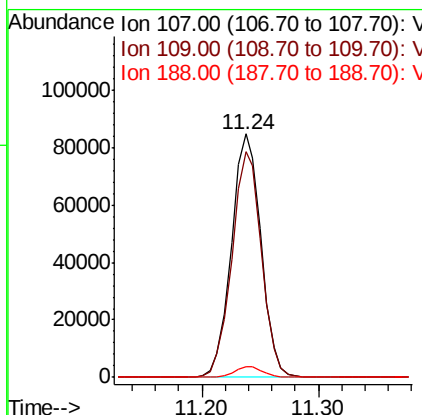
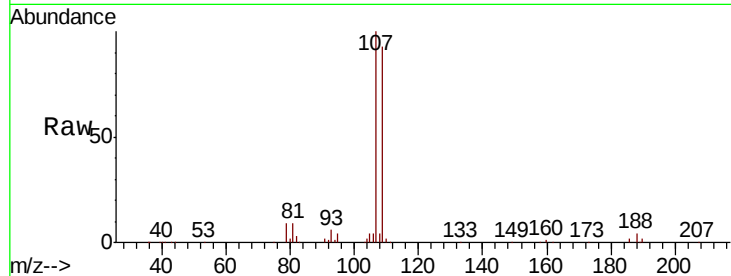




#51
 1,2-Dibromoethane
 Concen: 26.208 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

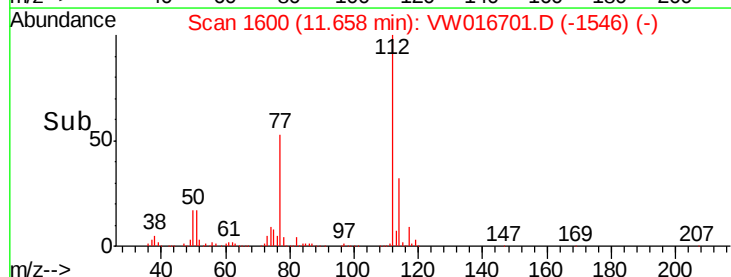
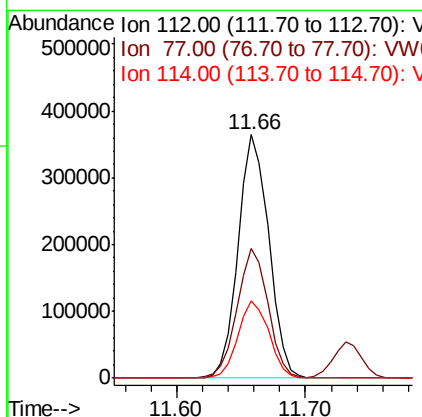
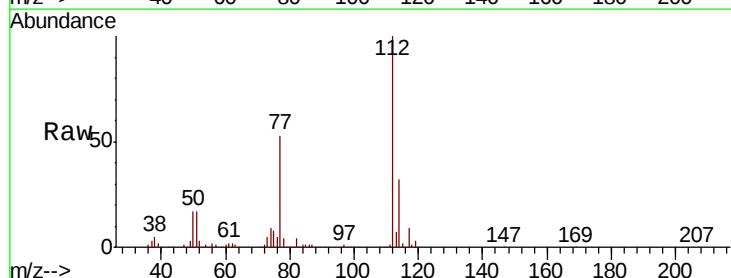
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02513

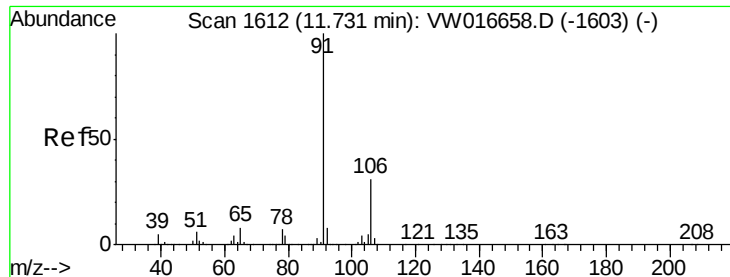
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	63.0	117.0
188	4.1	3.1	4.7



#52
 Chlorobenzene
 Concen: 27.375 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

Tgt Ion	Ratio	Lower	Upper
112	100		
77	53.0	43.1	64.7
114	31.7	22.3	41.3

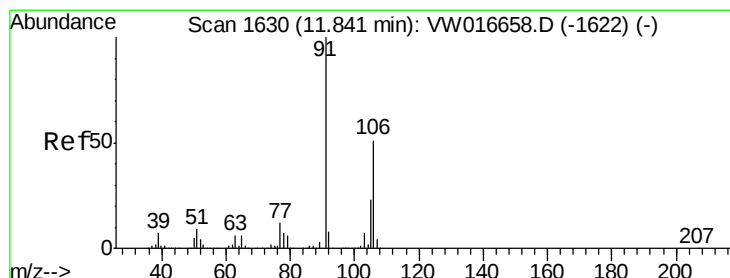
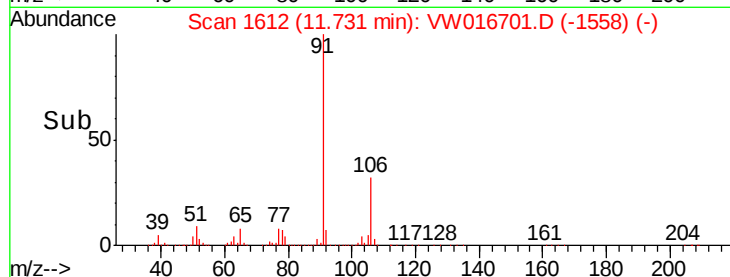
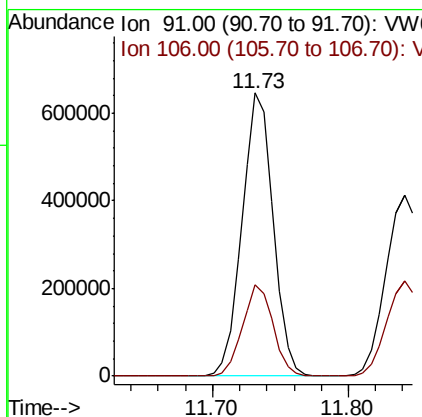
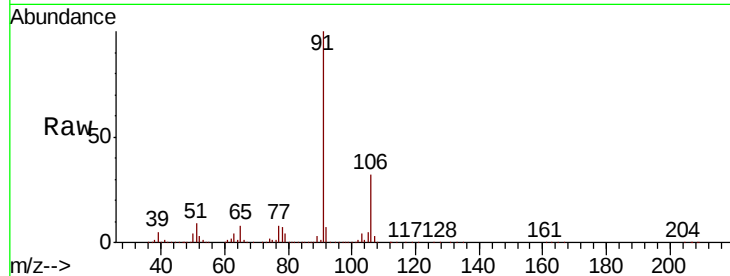




#53
Ethylbenzene
Concen: 27.788 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016701.D
Acq: 30 Sep 2020 09:12

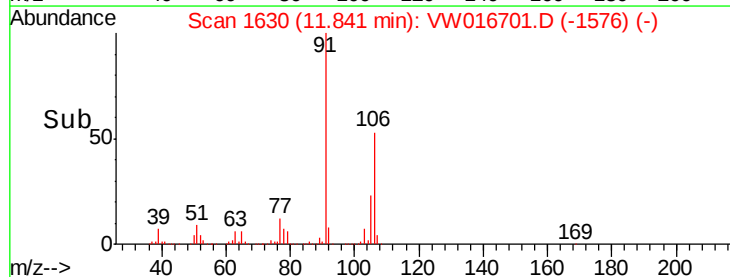
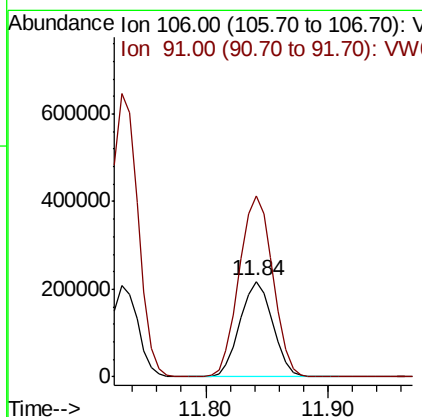
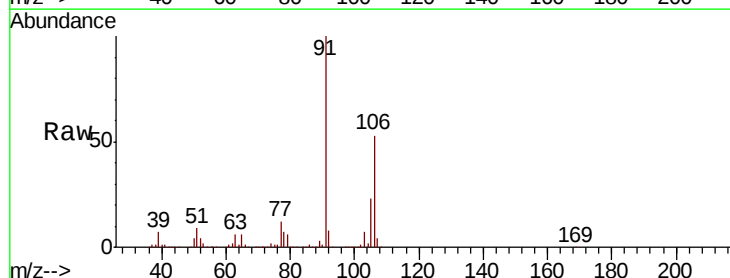
Instrument :
MSVOA_W
ClientSampled :
VSTD02513

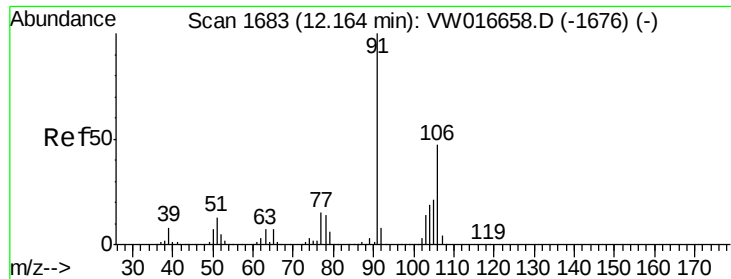
Tot Ion: 91 Resp: 1031039
Ion Ratio Lower Upper
91 100
106 32.5 20.7 38.5



#54
m,p-Xylene
Concen: 27.794 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016701.D
Acq: 30 Sep 2020 09:12

Tgt Ion: 106 Resp: 403810
Ion Ratio Lower Upper
106 100
91 189.9 139.7 259.5

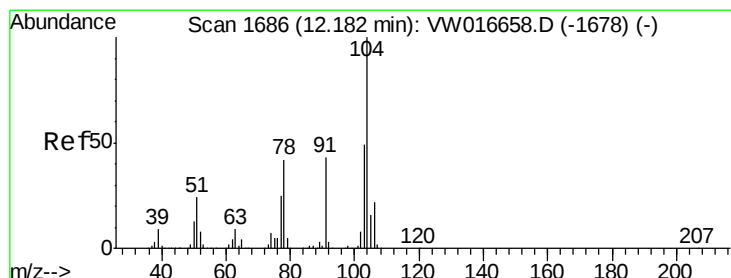
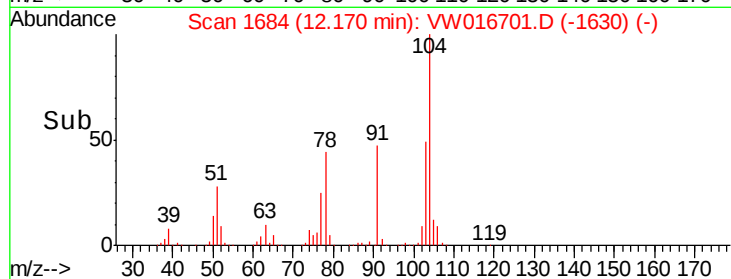
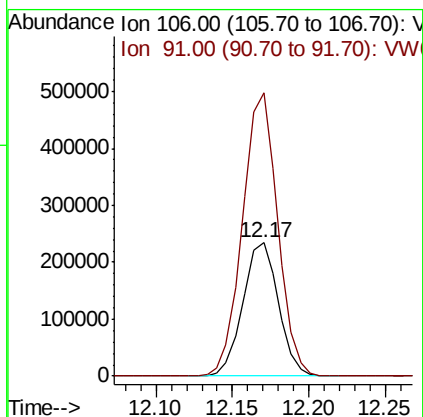
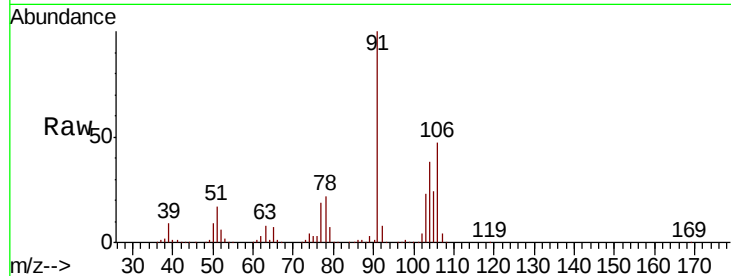




#55
o-xylene
Concen: 27.249 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016701.D
Acq: 30 Sep 2020 09:12

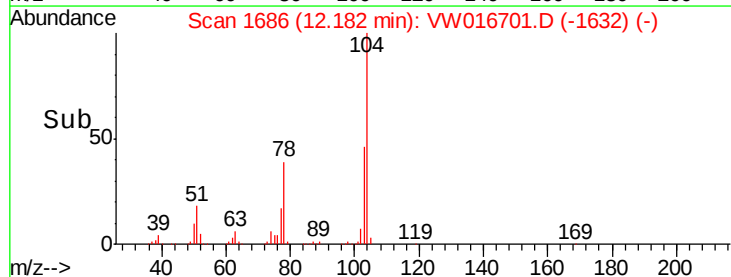
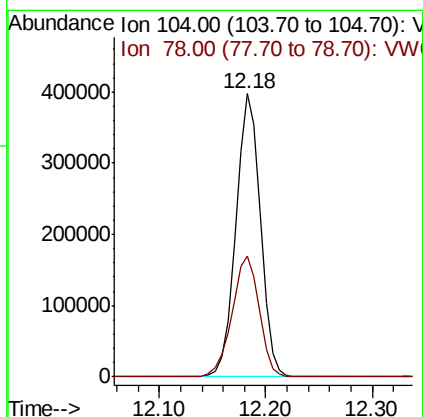
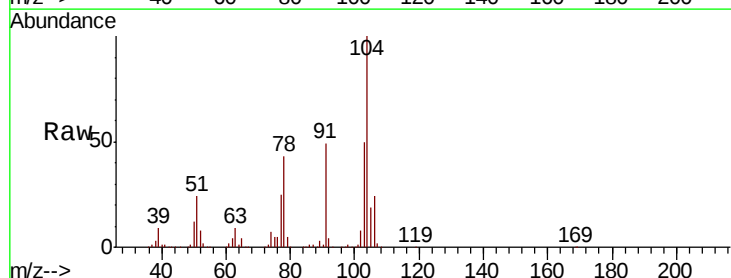
Instrument :
MSVOA_W
ClientSampled :
VSTD02513

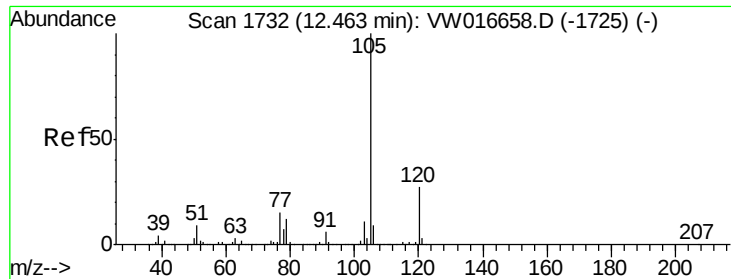
Tot Ion:106 Resp: 379267
Ion Ratio Lower Upper
106 100
91 212.6 144.8 268.8



#56
Styrene
Concen: 27.774 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016701.D
Acq: 30 Sep 2020 09:12

Tgt Ion:104 Resp: 641942
Ion Ratio Lower Upper
104 100
78 42.7 31.4 58.2





#57

Isopropylbenzene

Concen: 27.823 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

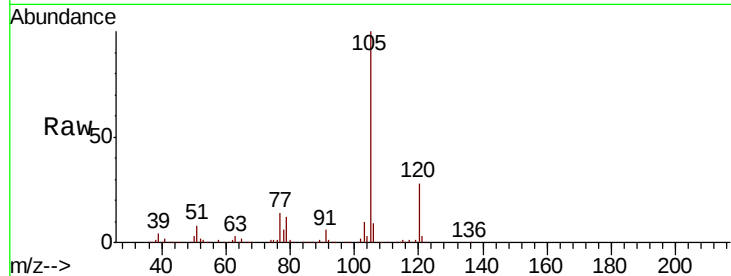
Tot Ion:105 Resp: 1058185

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.8

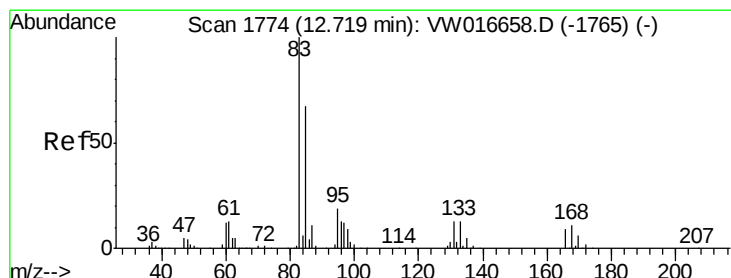
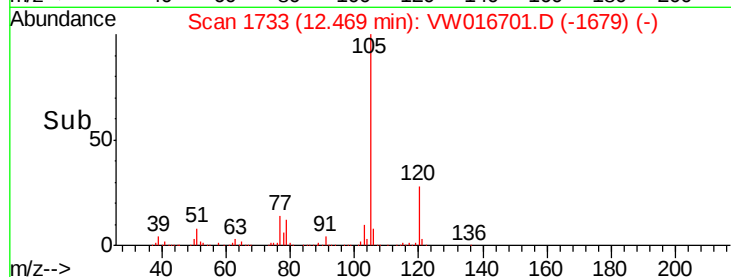
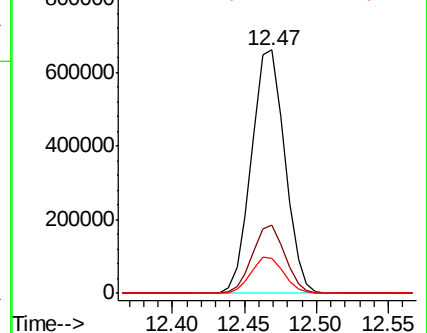
77 14.7 12.2 18.2



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: 25.067 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

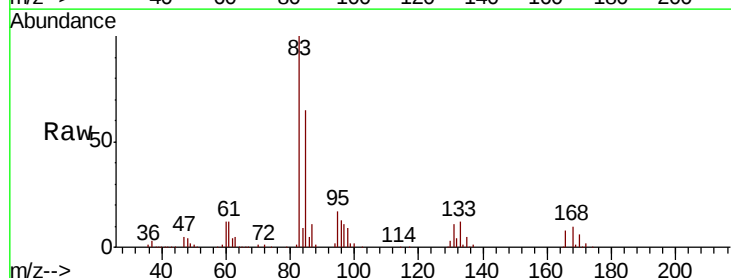
Tgt Ion: 83 Resp: 159625

Ion Ratio Lower Upper

83 100

85 64.9 46.0 85.4

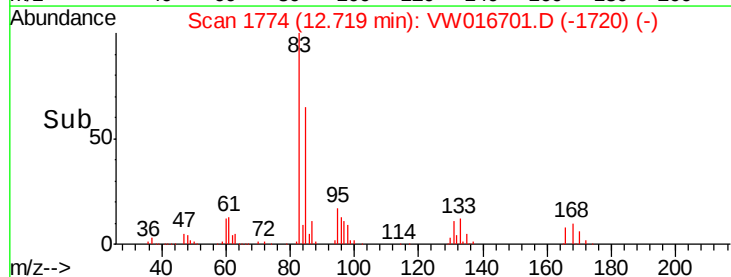
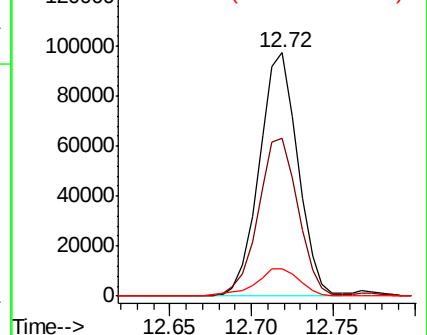
131 11.1 9.0 13.6

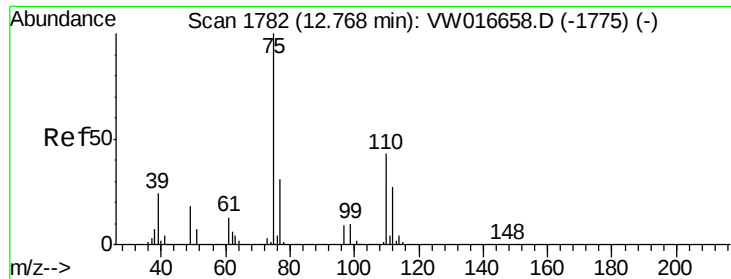


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.816 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

Instrument :

MSVOA_W

ClientSampleId :

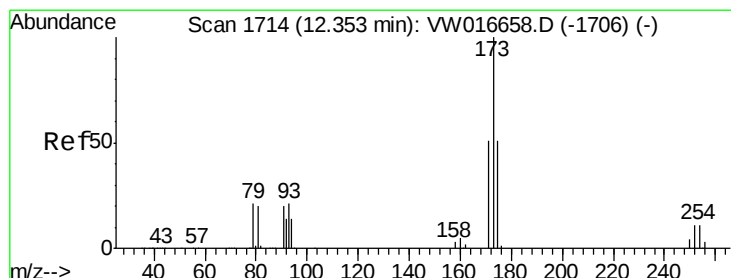
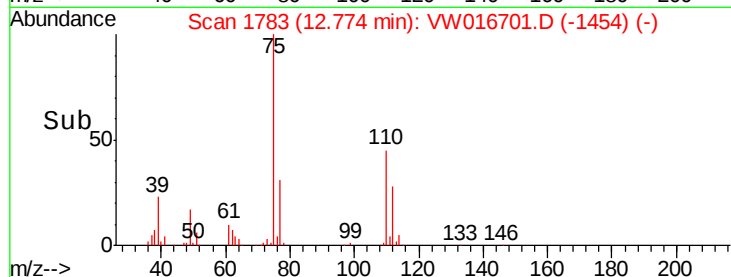
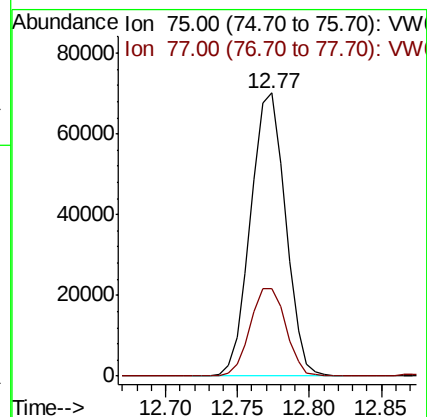
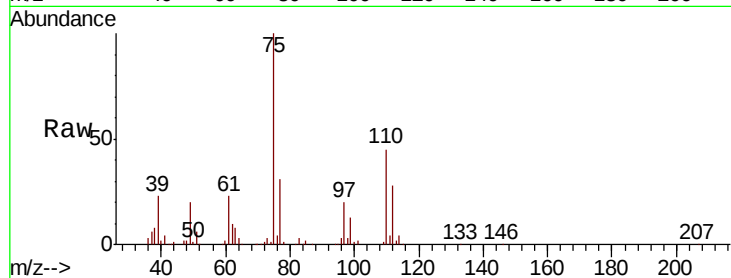
VSTD02513

Tot Ion: 75 Resp: 117706

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.4



#62

Bromoform

Concen: 24.004 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

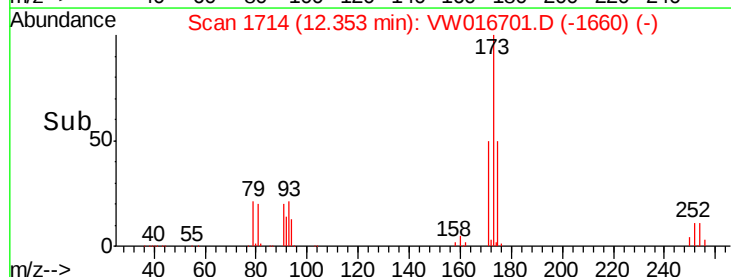
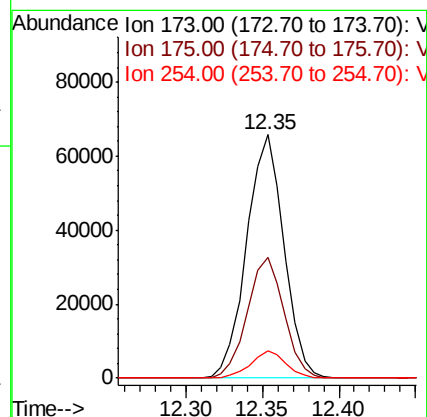
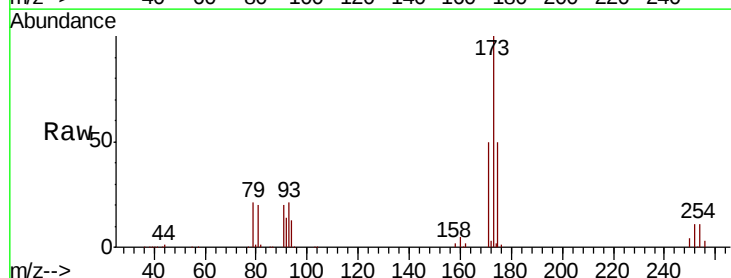
Tgt Ion: 173 Resp: 111321

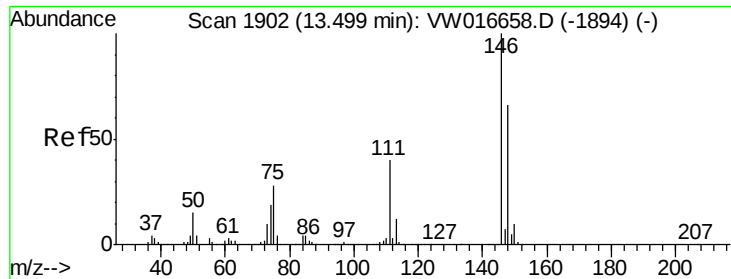
Ion Ratio Lower Upper

173 100

175 48.8 38.6 57.8

254 10.5 8.2 12.4

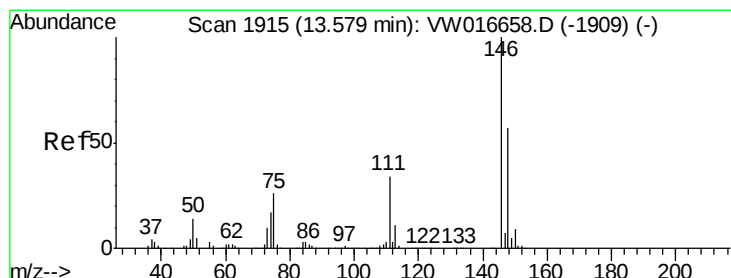
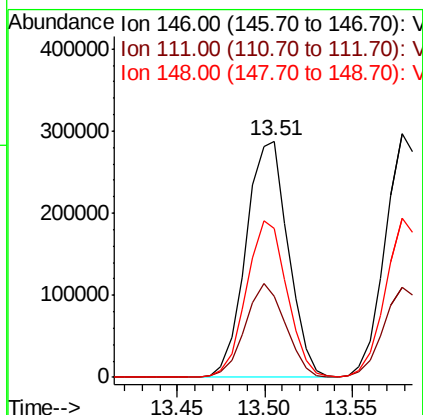
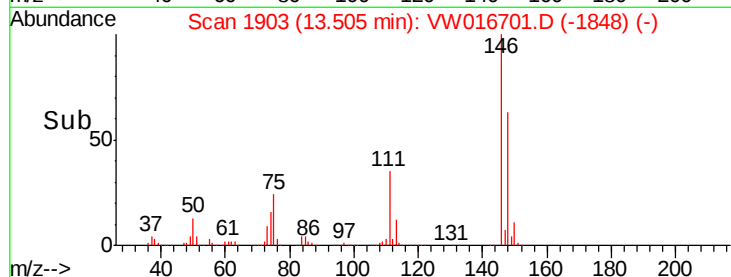
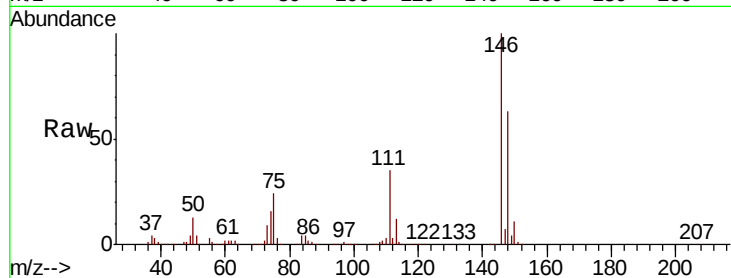




#63
 1,3-Dichlorobenzene
 Concen: 27.027 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

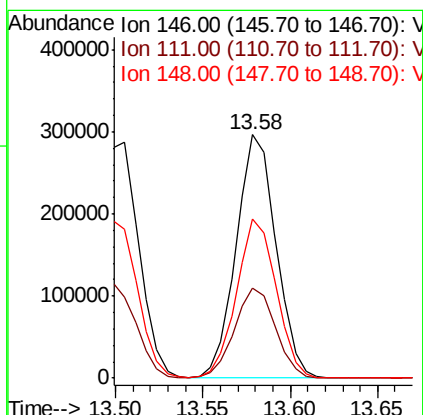
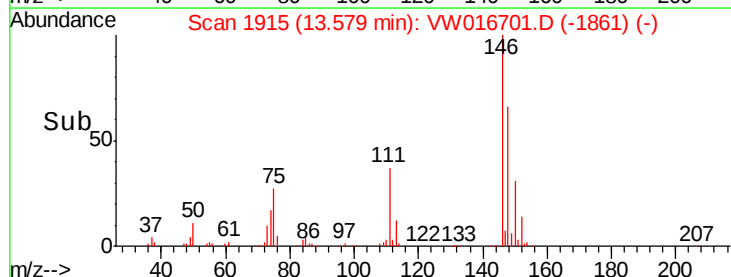
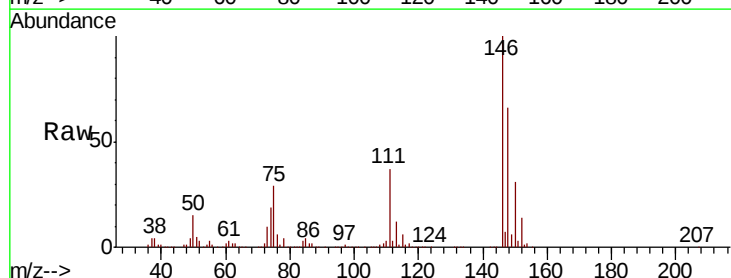
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

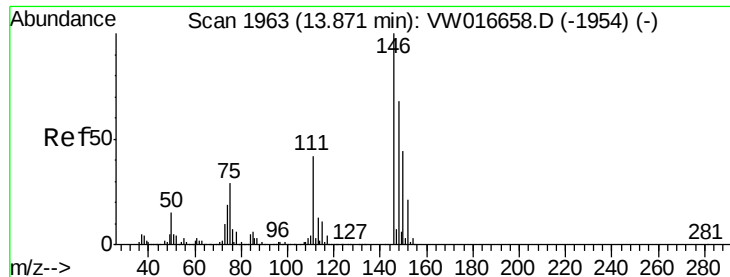
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.5	25.0	46.4
148	63.1	44.0	81.8



#64
 1,4-Dichlorobenzene
 Concen: 26.883 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	25.1	46.5
148	65.6	42.3	78.5

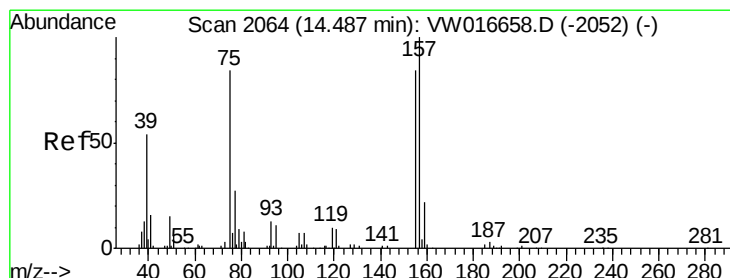
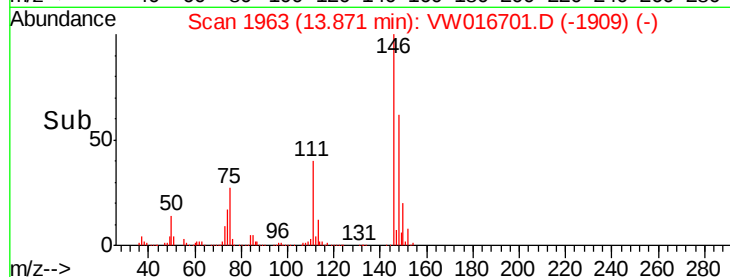
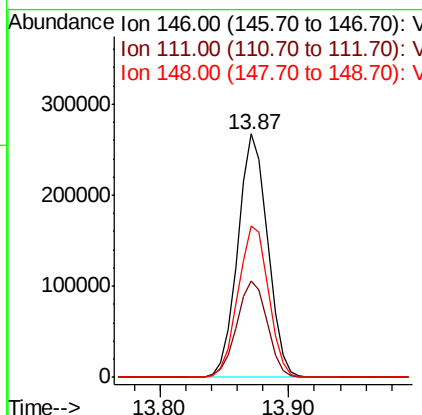
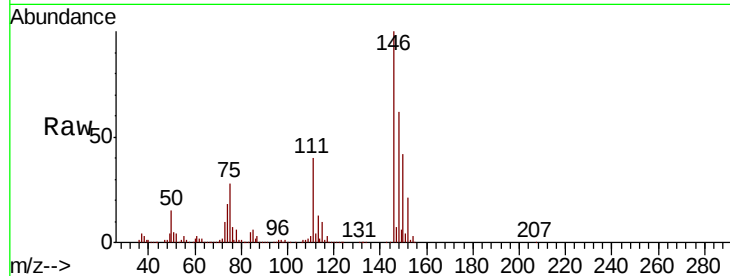




#65
 1,2-Dichlorobenzene
 Concen: 26.773 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

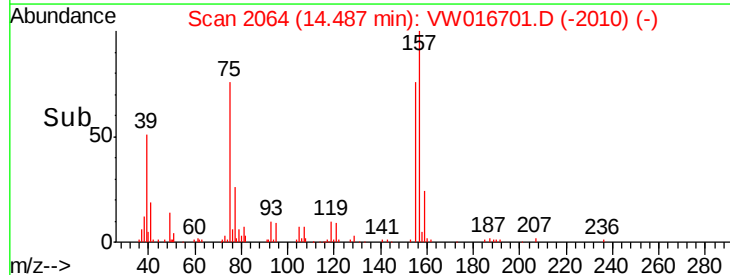
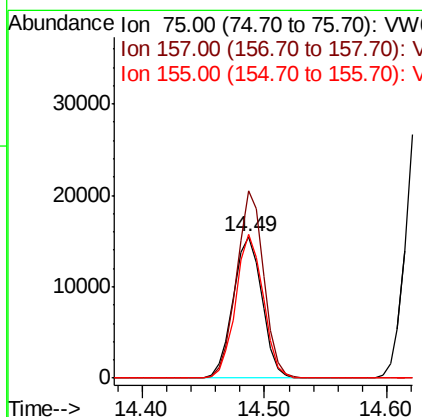
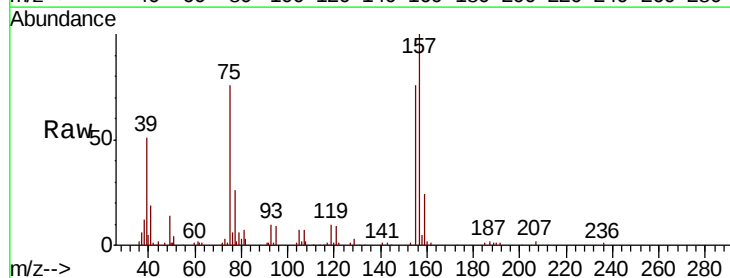
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

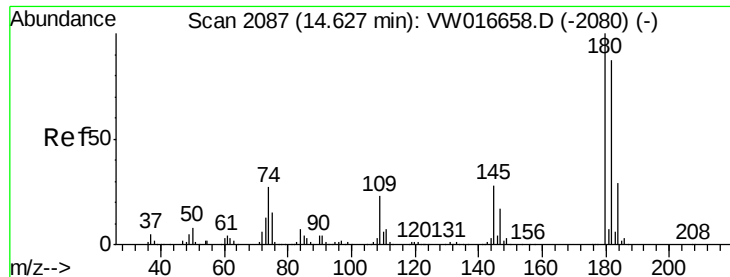
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	31.4	47.0
148	62.3	49.3	73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.101 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

Tgt Ion	Ratio	Lower	Upper
75	100		
157	132.4	92.2	138.4
155	101.2	73.5	110.3

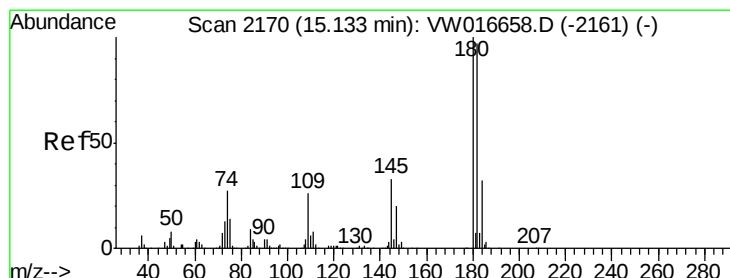
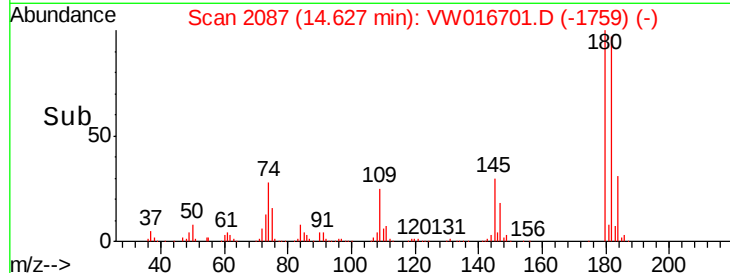
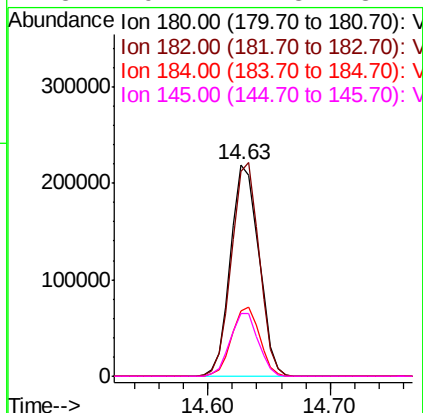
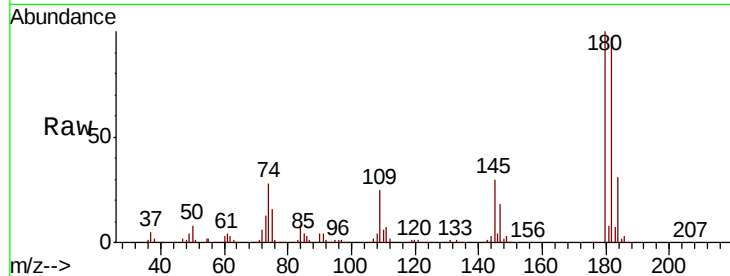




#67
 1,3,5-Trichlorobenzene
 Concen: 26.868 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

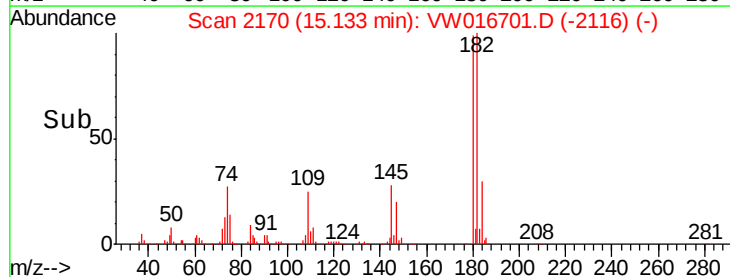
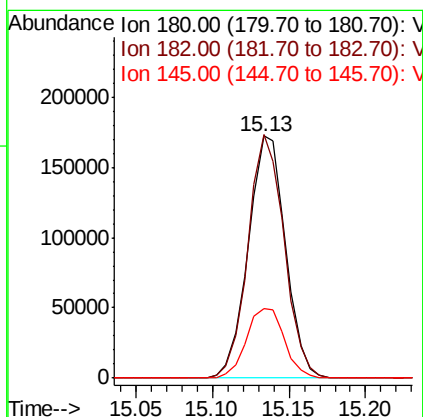
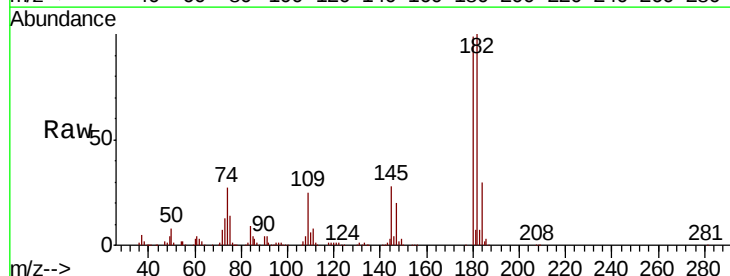
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

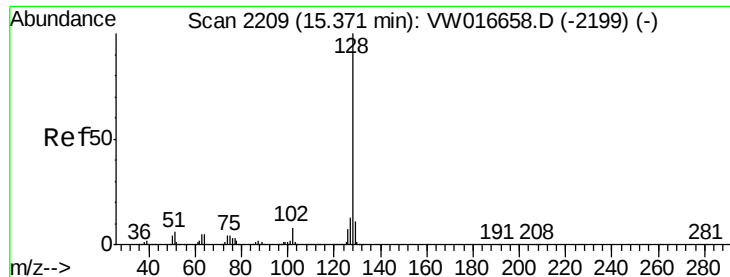
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	73.8	110.8
184	32.0	23.7	35.5
145	29.4	22.8	34.2



#68
 1,2,4-trichlorobenzene
 Concen: 27.598 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016701.D
 Acq: 30 Sep 2020 09:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	74.5	111.7
145	29.6	23.1	34.7





#69

Naphthalene

Concen: 25.726 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

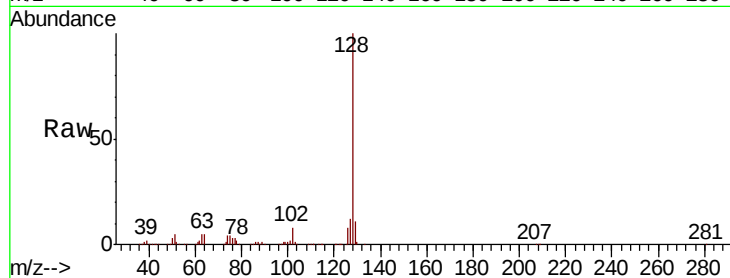
Tot Ion:128 Resp: 482515

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

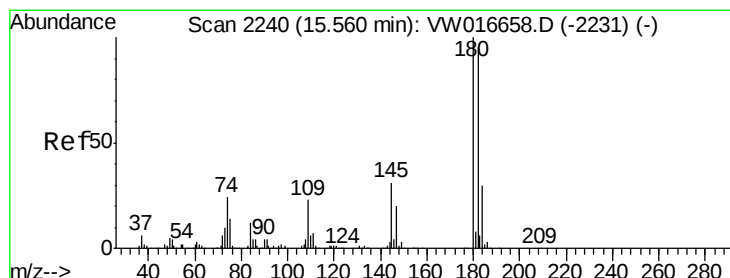
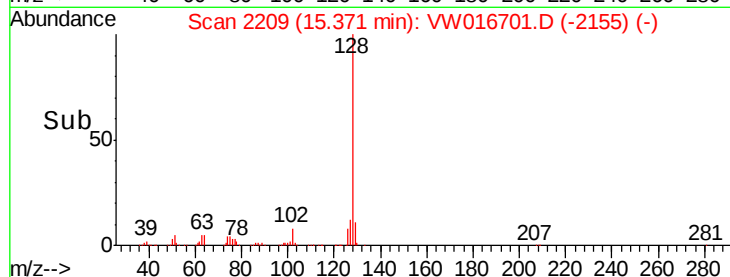
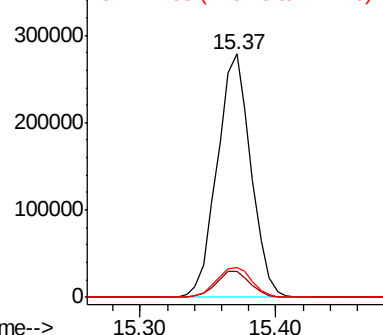
127 13.0 10.8 16.2



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



#70

1,2,3-Trichlorobenzene

Concen: 26.432 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016701.D

Acq: 30 Sep 2020 09:12

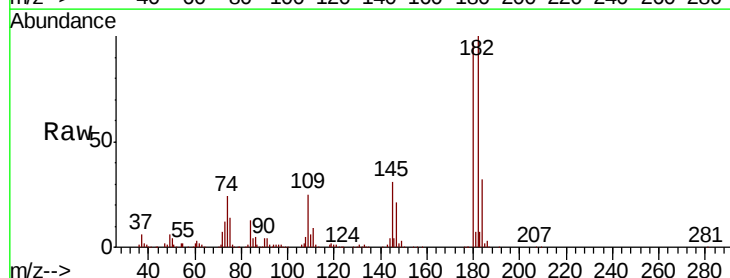
Tgt Ion:180 Resp: 240522

Ion Ratio Lower Upper

180 100

182 97.0 76.3 114.5

145 32.4 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

