

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081020\
 Data File : VW016121.D
 Acq On : 10 Aug 2020 23:52
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Quant Time: Aug 11 01:21:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:19:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	400629	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	393201	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	186749	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	107407	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.48%
7) Chloroethane-d5	2.89	69	88462	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.84%
10) 1,1-Dichloroethene-d2	4.01	63	245699	23.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.16%
20) 2-Butanone-d5	7.09	46	69721	53.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.68%
24) Chloroform-d	7.65	84	273265	25.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.68%
26) 1,2-Dichloroethane-d4	8.31	65	150383	26.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.32%
29) Benzene-d6	8.27	84	528443	24.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.84%
33) 1,2-Dichloropropane-d6	9.27	67	152764	24.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.16%
37) Toluene-d8	10.32	98	490247	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.96%
38) trans-1,3-Dichloropropene-	10.58	79	69759	24.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.72%
39) 2-Hexanone-d5	10.93	63	59574	54.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	137051	26.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	169963	25.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	100832	24.914	ug/L 94
3) Chloromethane	2.21	50	91872	22.859	ug/L 97
5) Vinyl chloride	2.37	62	124245	23.292	ug/L 98
6) Bromomethane	2.78	94	76866	23.008	ug/L 99
8) Chloroethane	2.92	64	70488	23.467	ug/L 98
9) Trichlorofluoromethane	3.26	101	79834	20.967	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	127944	23.777	ug/L 99
12) 1,1-Dichloroethene	4.03	96	121767	23.681	ug/L 93
13) Acetone	4.14	43	44182	44.685	ug/L 100
14) Carbon disulfide	4.38	76	382757	23.714	ug/L 99
15) Methyl Acetate	4.68	43	60889	26.191	ug/L 100
16) Methylene chloride	4.92	84	143030	22.610	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	185341	25.436	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	134732	24.910	ug/L 89
19) 1,1-Dichloroethane	6.21	63	234057	24.458	ug/L 99
21) 2-Butanone	7.18	43	75738	48.332	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	142783	25.024	ug/L 99

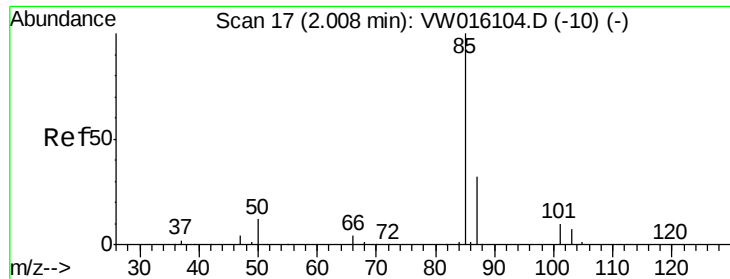
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081020\
 Data File : VW016121.D
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 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:19:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	66727	25.480	ug/L	97
25) Chloroform	7.68	83	252027	24.754	ug/L	100
27) 1,2-Dichloroethane	8.40	62	172118	25.378	ug/L	99
30) Cyclohexane	7.96	56	195645	22.868	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	204105	22.590	ug/L	99
32) Carbon tetrachloride	8.07	117	195147	22.836	ug/L	100
34) Benzene	8.32	78	545963	24.078	ug/L	100
35) Trichloroethene	9.09	95	140215	22.997	ug/L	99
36) Methylcyclohexane	9.34	83	230294	22.929	ug/L	99
40) 1,2-Dichloropropane	9.37	63	133504	23.976	ug/L	99
41) Bromodichloromethane	9.65	83	183734	24.020	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	208532	24.591	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	169673	50.662	ug/L	99
44) Toluene	10.39	91	585213	24.449	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	187539	24.619	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	107130	24.442	ug/L	98
47) Tetrachloroethene	10.87	164	103532	22.651	ug/L	95
49) 2-Hexanone	10.97	43	117648	52.059	ug/L	97
50) Dibromochloromethane	11.13	129	125736	24.356	ug/L	98
51) 1,2-Dibromoethane	11.24	107	104086	25.049	ug/L	98
52) Chlorobenzene	11.66	112	380441	24.022	ug/L	97
53) Ethylbenzene	11.73	91	664057	24.452	ug/L	100
54) m,p-Xylene	11.84	106	253257	24.791	ug/L	96
55) o-xylene	12.17	106	240812	25.026	ug/L	97
56) Styrene	12.18	104	424655	25.491	ug/L	99
57) Isopropylbenzene	12.46	105	638049	24.594	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	130831	25.582	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	97785	25.239	ug/L	100
62) Bromoform	12.35	173	68206	24.153	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	274007	23.230	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	280134	23.314	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	262725	24.294	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22748	23.988	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	183588	24.667	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	146577	24.299	ug/L	99
69) Naphthalene	15.37	128	338471	26.583	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	142605	26.022	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 24.914 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampleId :

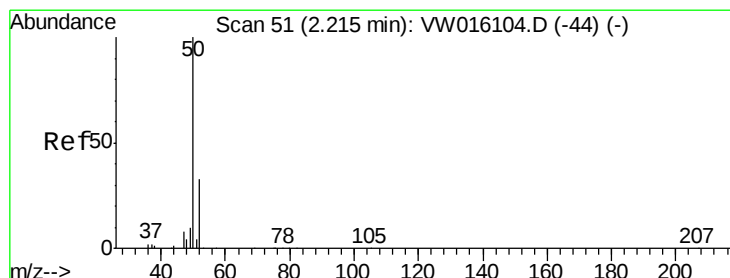
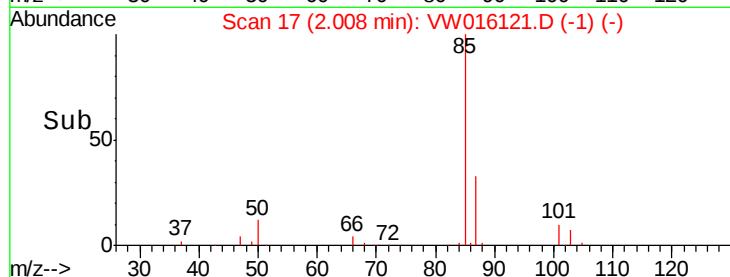
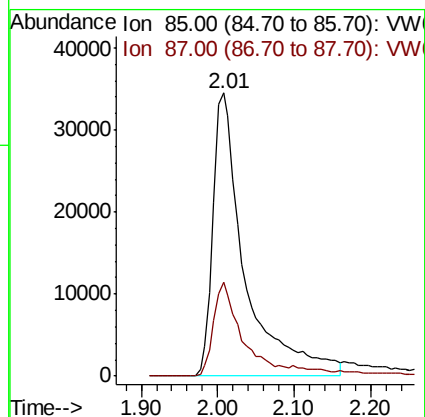
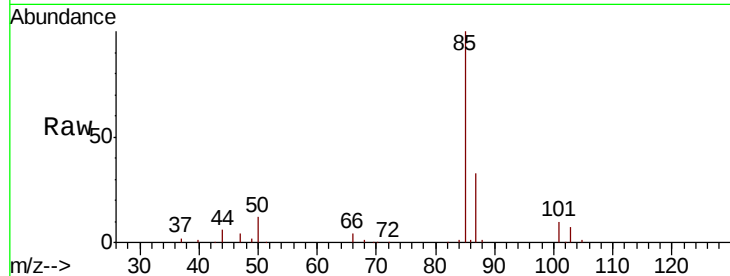
VSTD02508

Tot Ion: 85 Resp: 100832

Ion Ratio Lower Upper

85 100

87 28.1 22.0 41.0



#3

Chloromethane

Concen: 22.859 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW016121.D

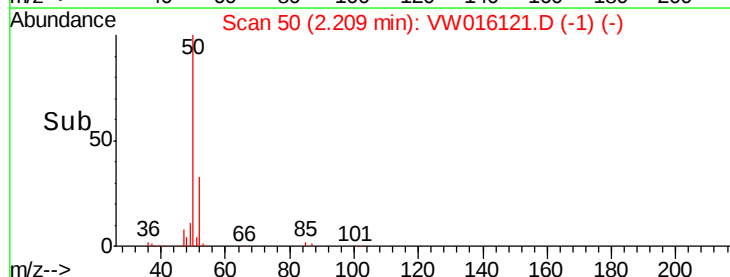
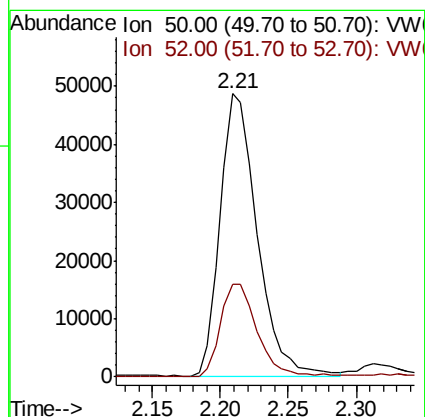
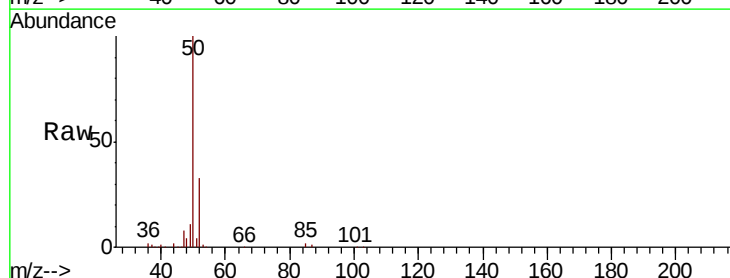
Acq: 10 Aug 2020 23:52

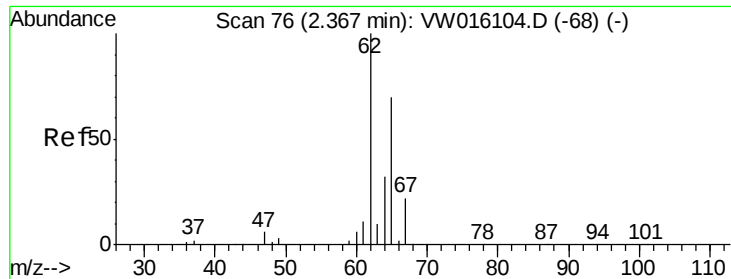
Tgt Ion: 50 Resp: 91872

Ion Ratio Lower Upper

50 100

52 32.9 22.0 40.8





#5

Vinyl chloride

Concen: 23.292 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampleId :

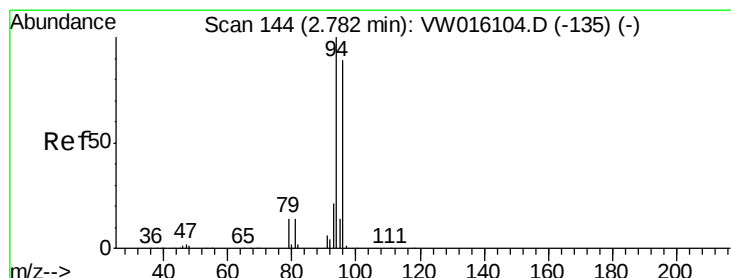
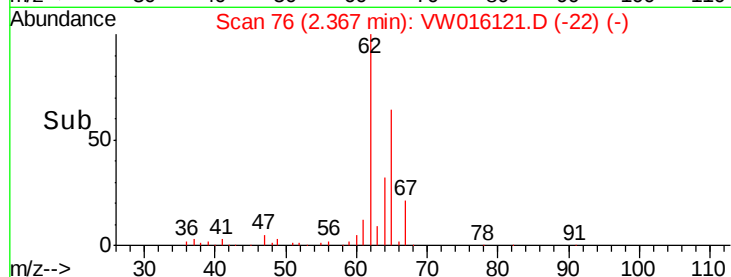
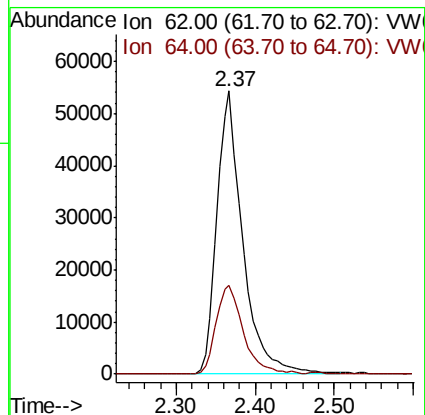
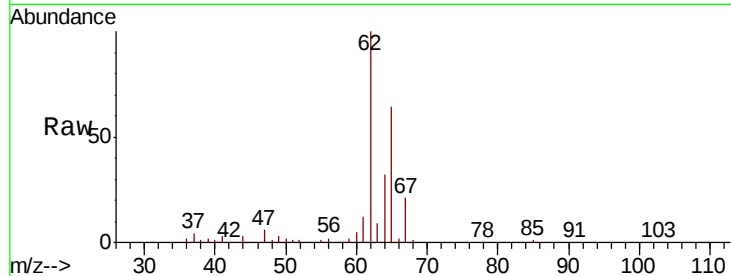
VSTD02508

Tot Ion: 62 Resp: 124245

Ion Ratio Lower Upper

62 100

64 31.5 23.0 42.8



#6

Bromomethane

Concen: 23.008 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW016121.D

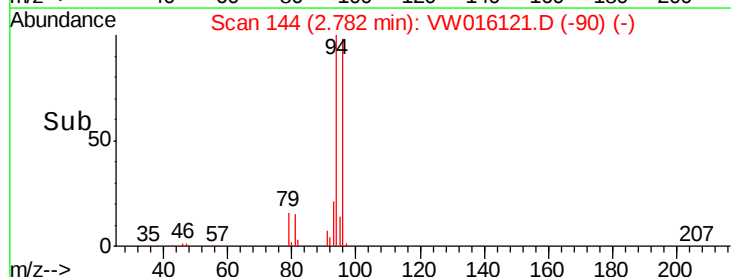
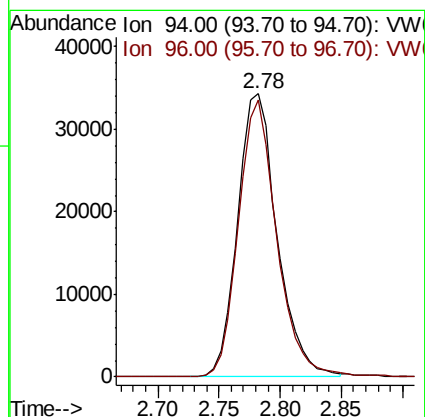
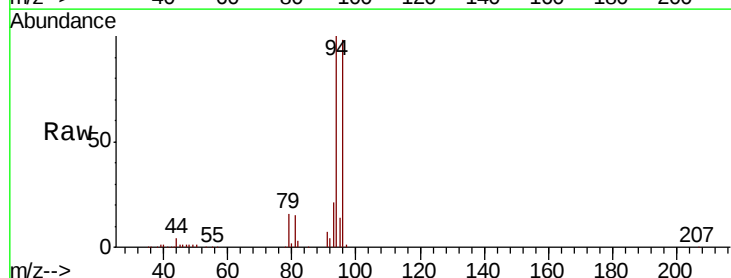
Acq: 10 Aug 2020 23:52

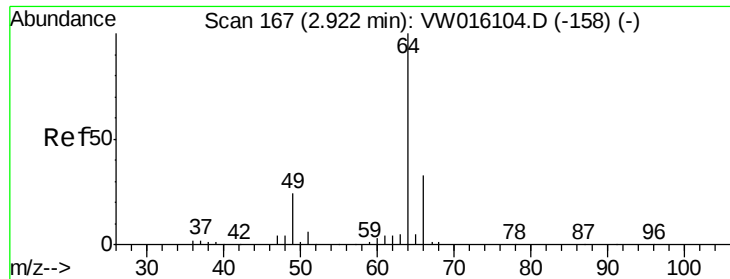
Tgt Ion: 94 Resp: 76866

Ion Ratio Lower Upper

94 100

96 94.9 9.4 178.2





#8

Chloroethane

Concen: 23.467 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampleId :

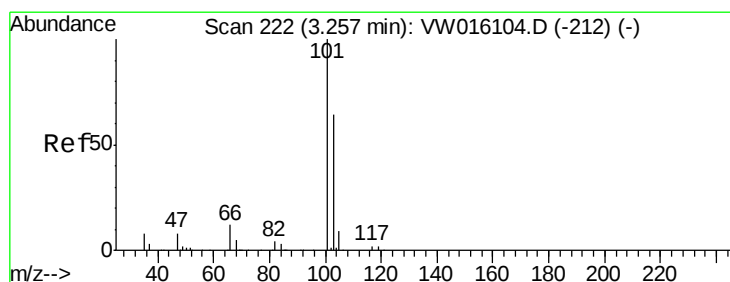
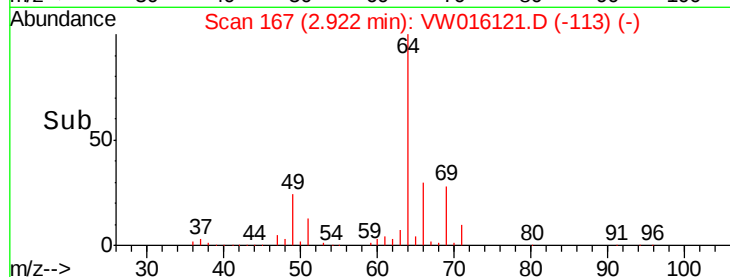
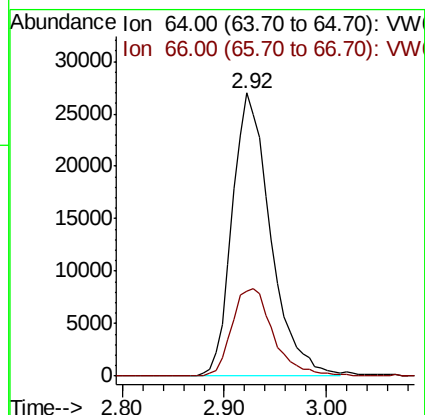
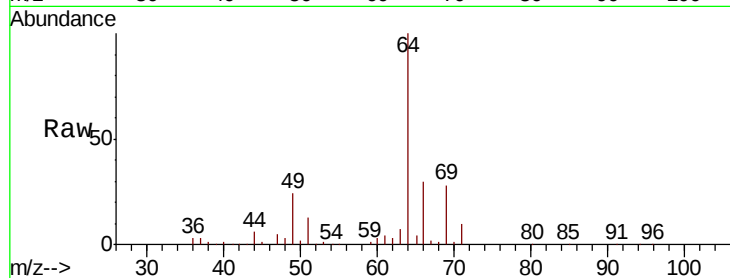
VSTD02508

Tot Ion: 64 Resp: 70488

Ion Ratio Lower Upper

64 100

66 30.0 21.8 40.4



#9

Trichlorofluoromethane

Concen: 20.967 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW016121.D

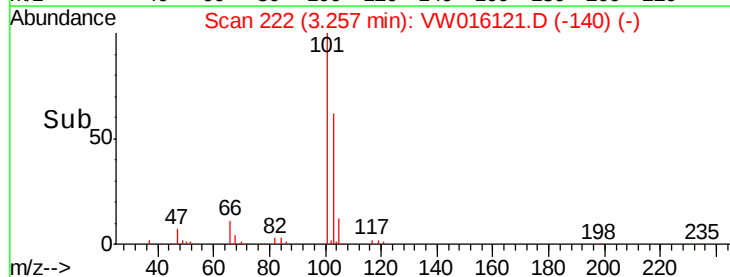
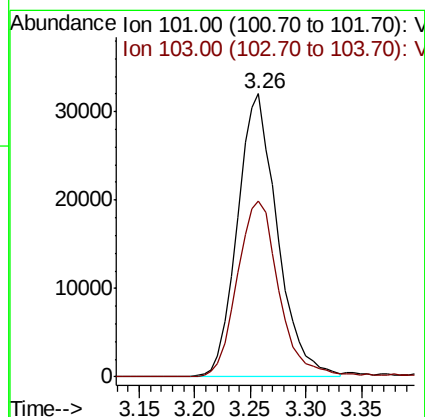
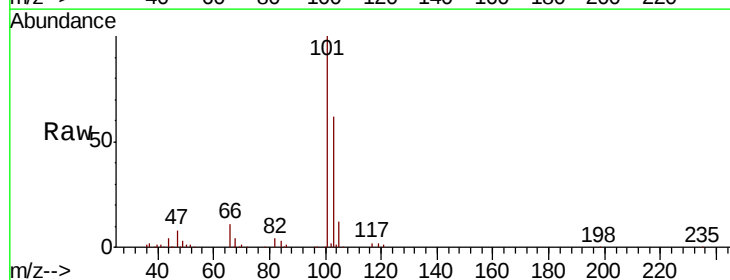
Acq: 10 Aug 2020 23:52

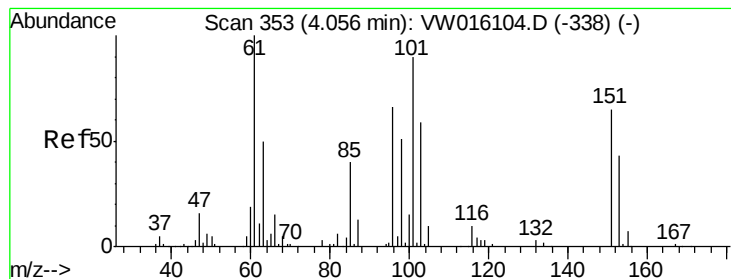
Tgt Ion: 101 Resp: 79834

Ion Ratio Lower Upper

101 100

103 64.3 45.6 84.6





#11

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

Concen: 23.777 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

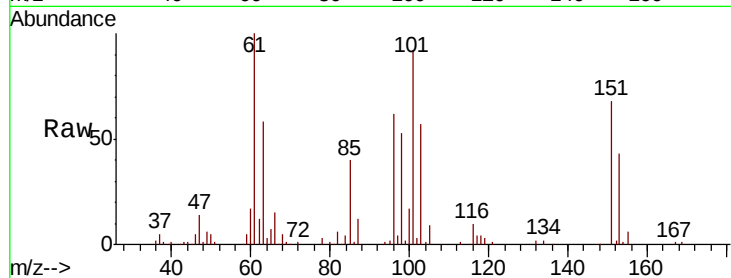
Tot Ion:101 Resp: 127944

Ion Ratio Lower Upper

101 100

85 41.8 34.2 51.4

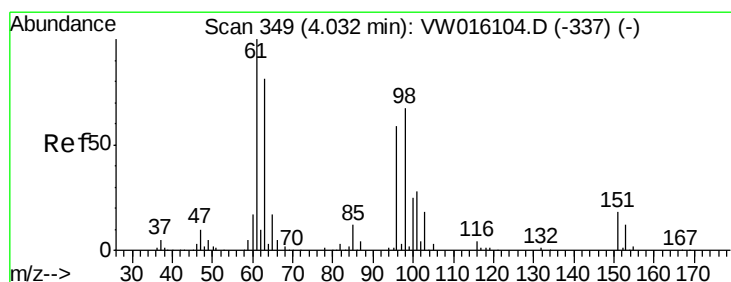
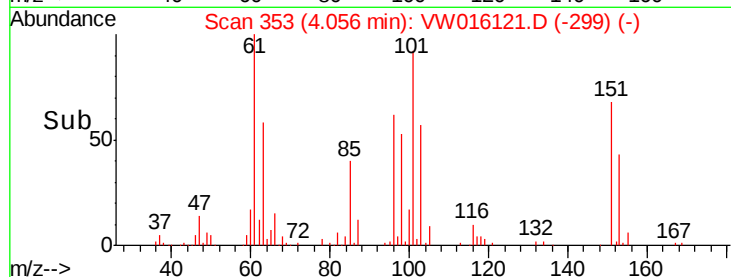
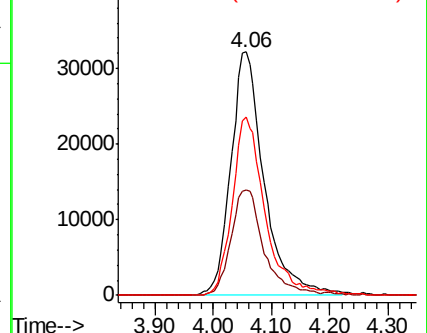
151 71.0 57.4 86.2



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: 23.681 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

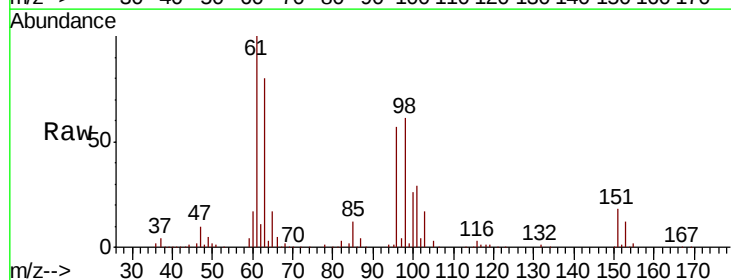
Tgt Ion: 96 Resp: 121767

Ion Ratio Lower Upper

96 100

61 174.1 120.2 223.2

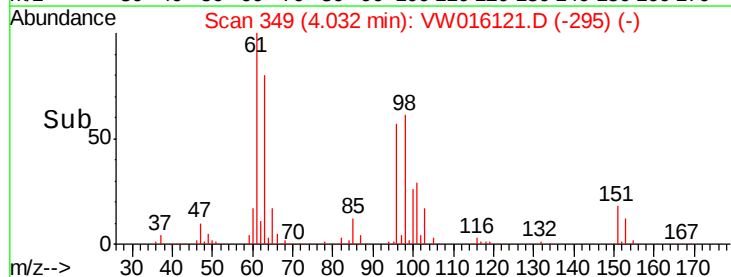
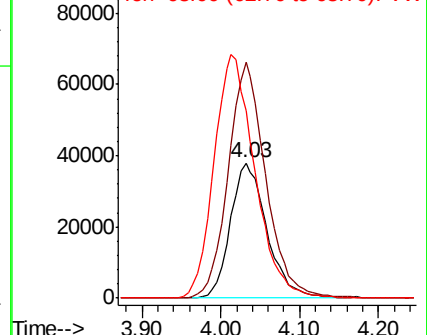
63 138.4 86.4 160.4

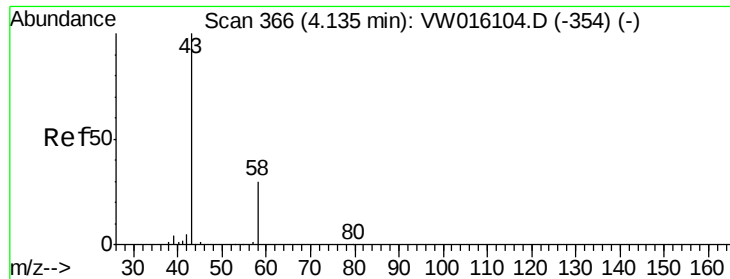


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.685 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampled :

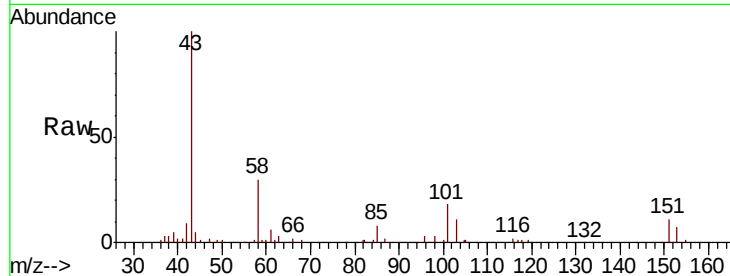
VSTD02508

Tot Ion: 43 Resp: 44182

Ion Ratio Lower Upper

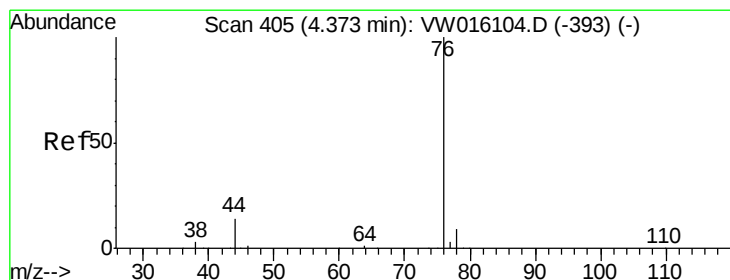
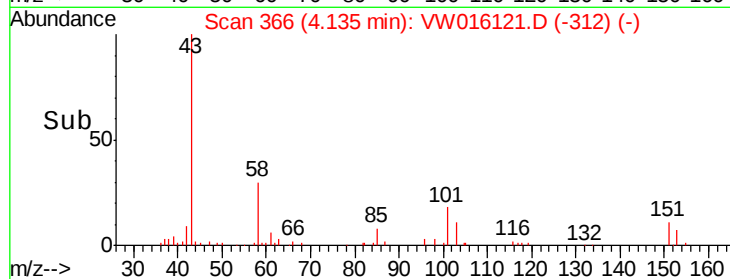
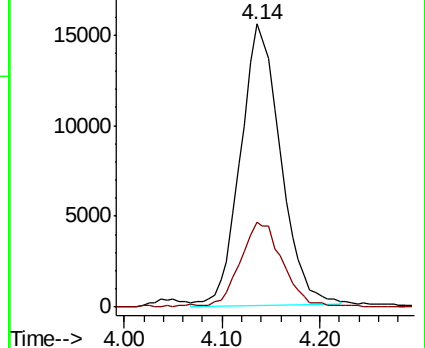
43 100

58 29.8 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.714 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW016121.D

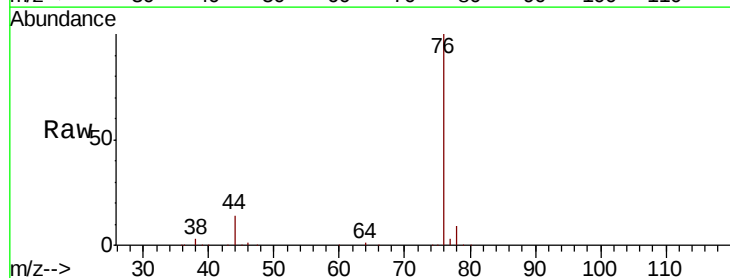
Acq: 10 Aug 2020 23:52

Tgt Ion: 76 Resp: 382757

Ion Ratio Lower Upper

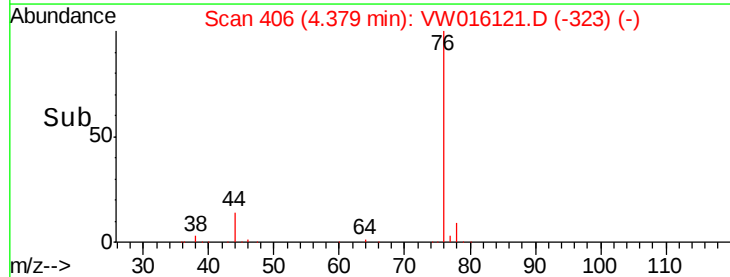
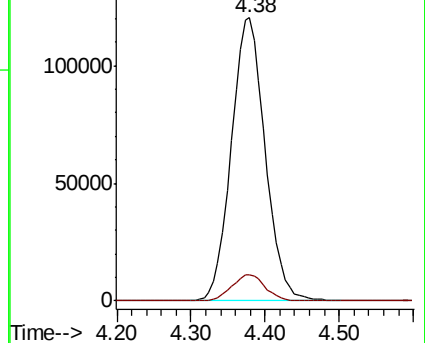
76 100

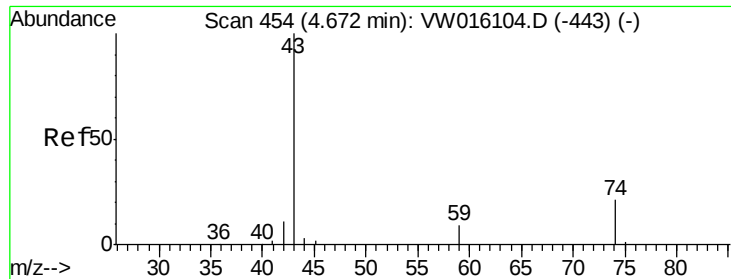
78 9.2 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

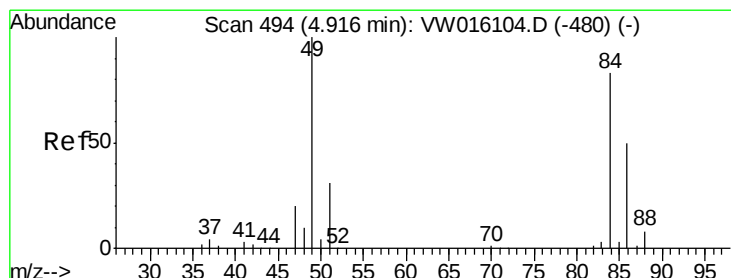
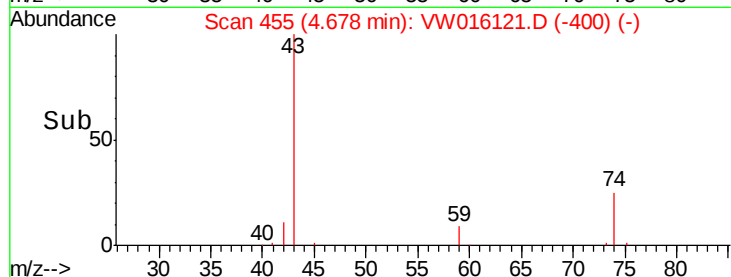
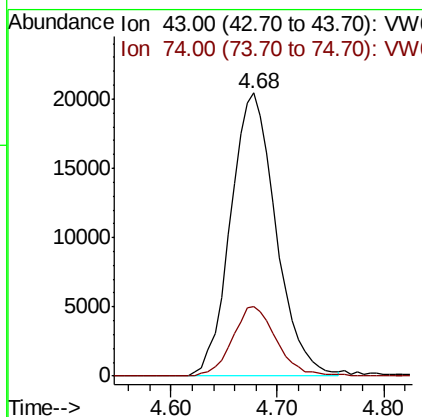
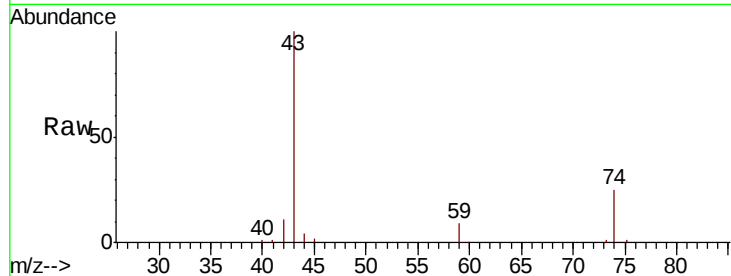




#15
Methvl Acetate
Concen: 26.191 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016121.D
Acq: 10 Aug 2020 23:52

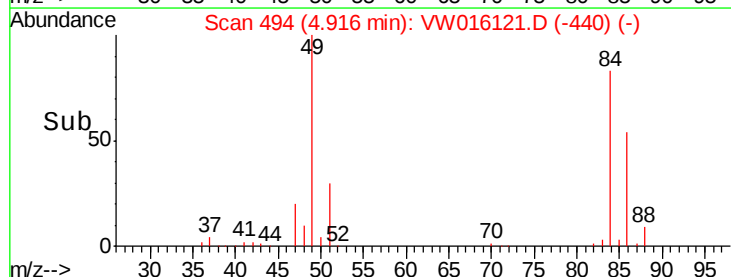
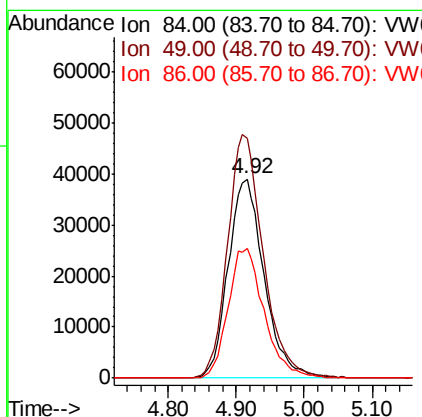
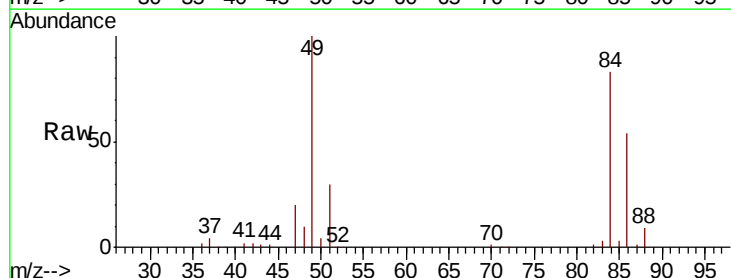
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

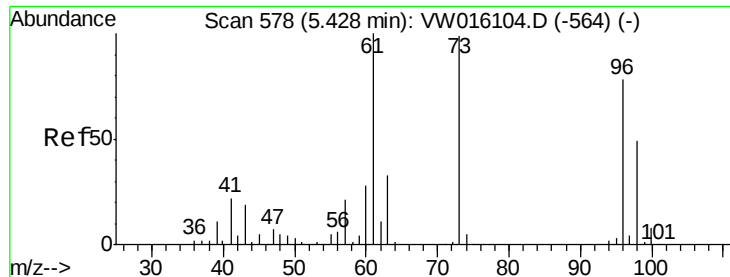
Tot Ion: 43 Resp: 60889
Ion Ratio Lower Upper
43 100
74 23.8 18.9 28.3



#16
Methylene chloride
Concen: 22.610 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW016121.D
Acq: 10 Aug 2020 23:52

Tgt Ion: 84 Resp: 143030
Ion Ratio Lower Upper
84 100
49 120.2 80.4 149.4
86 65.2 43.8 81.3

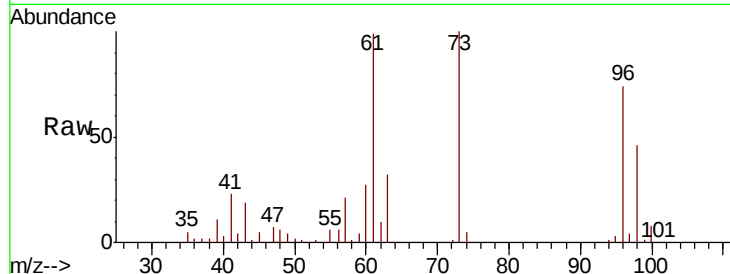




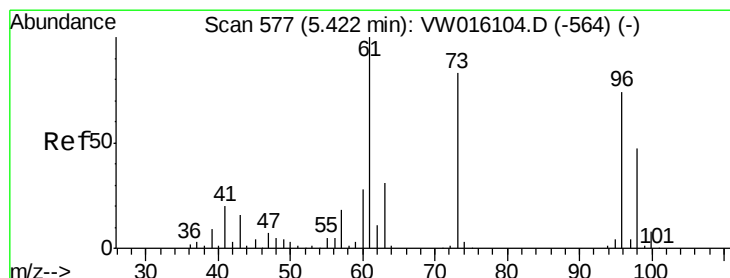
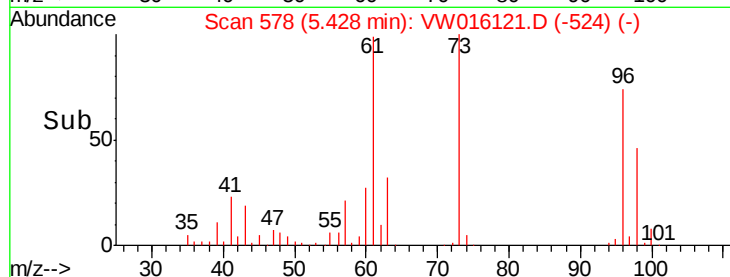
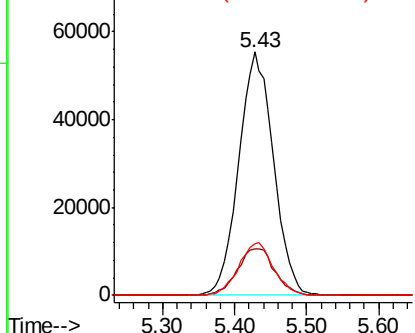
#17
Methvl tert-butvl Ether
Concen: 25.436 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016121.D
Acq: 10 Aug 2020 23:52

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Tot Ion: 73 Resp: 185341
Ion Ratio Lower Upper
73 100
43 20.7 16.6 24.8
57 21.6 17.1 25.7

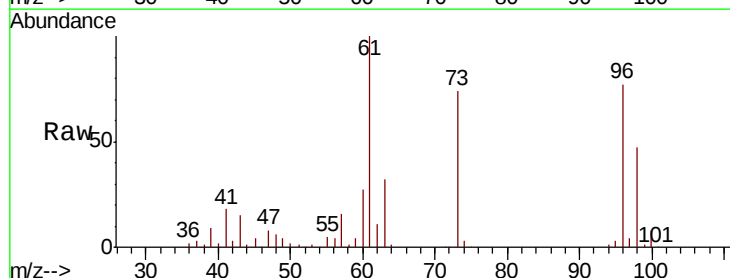


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

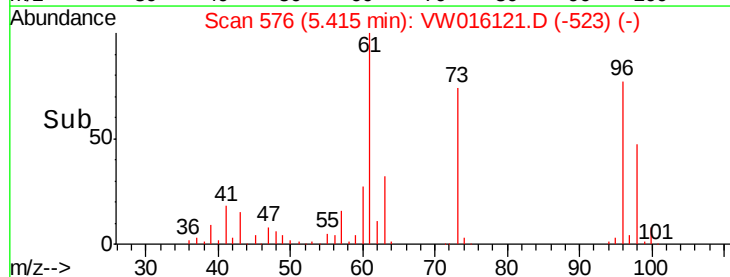
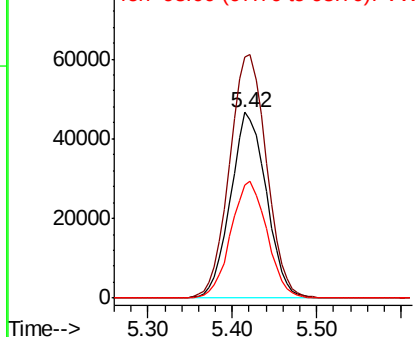


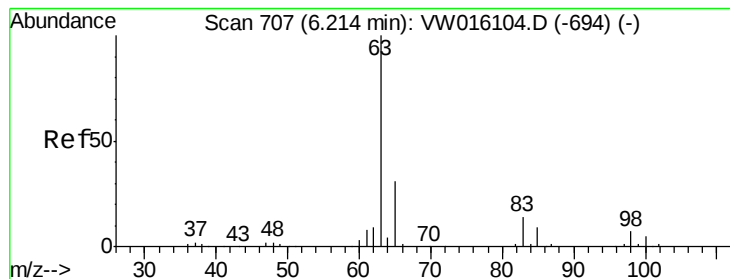
#18
trans-1,2-Dichloroethene
Concen: 24.910 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW016121.D
Acq: 10 Aug 2020 23:52

Tgt Ion: 96 Resp: 134732
Ion Ratio Lower Upper
96 100
61 129.4 101.6 188.8
98 61.1 47.7 88.7



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





#19

1,1-Dichloroethane

Concen: 24.458 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

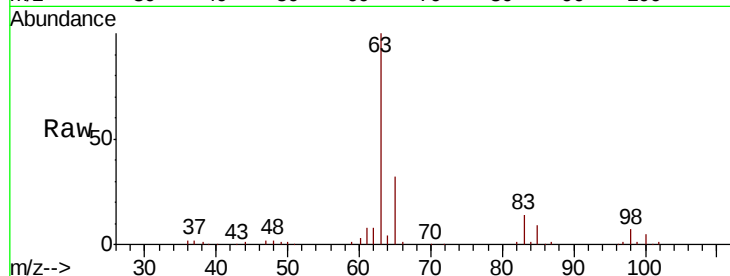
Tot Ion: 63 Resp: 234057

Ion Ratio Lower Upper

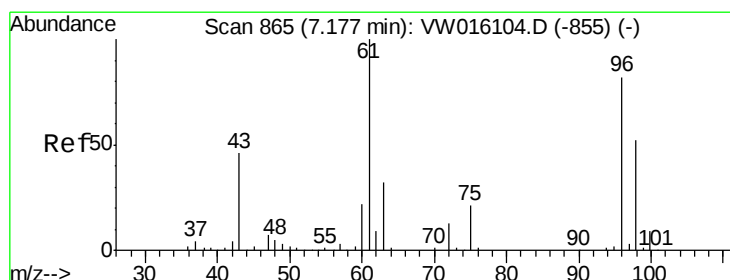
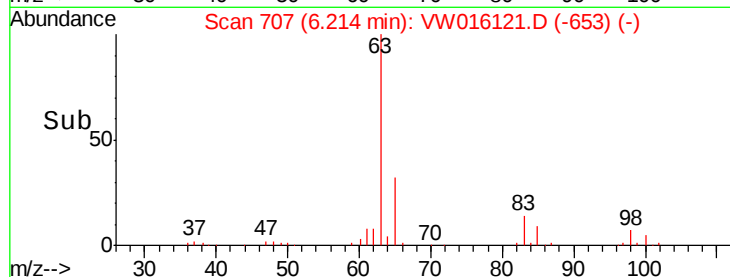
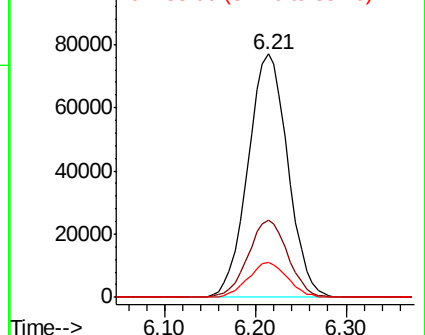
63 100

65 31.7 21.6 40.0

83 14.2 9.8 18.2



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



#21

2-Butanone

Concen: 48.332 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016121.D

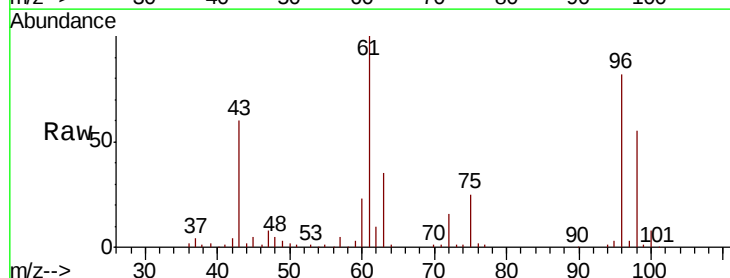
Acq: 10 Aug 2020 23:52

Tgt Ion: 43 Resp: 75738

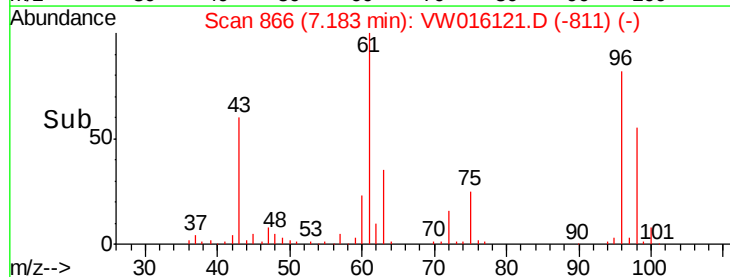
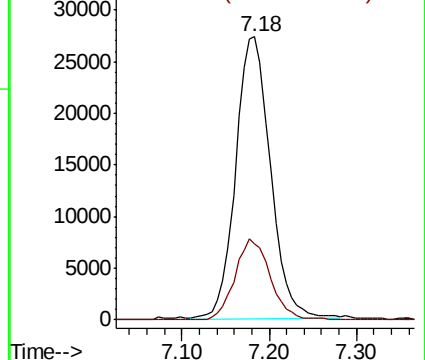
Ion Ratio Lower Upper

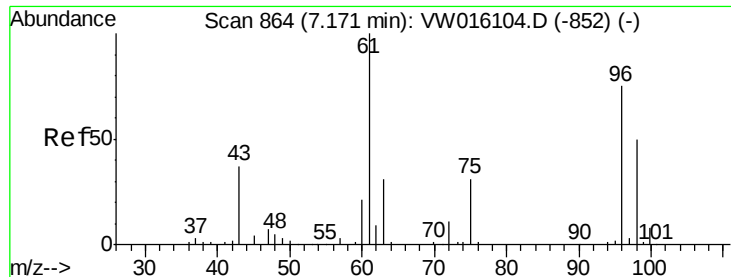
43 100

72 28.6 13.9 41.7



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



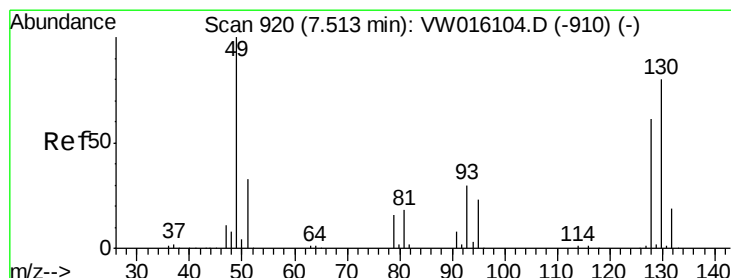
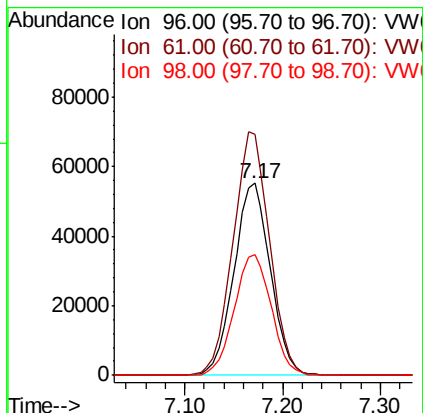
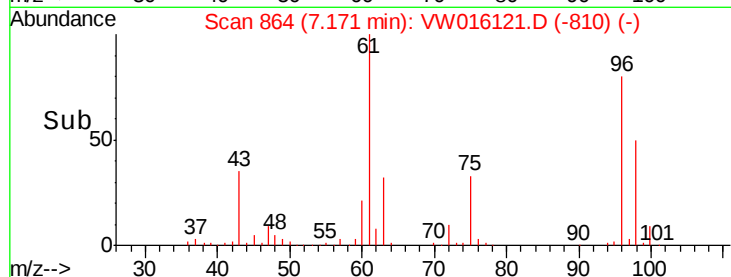
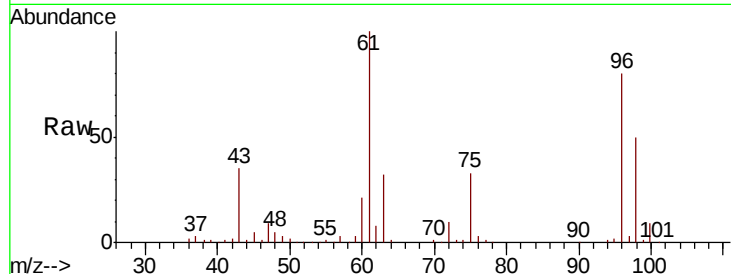


#22

cis-1,2-Dichloroethene
 Concen: 25.024 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016121.D
 Acq: 10 Aug 2020 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

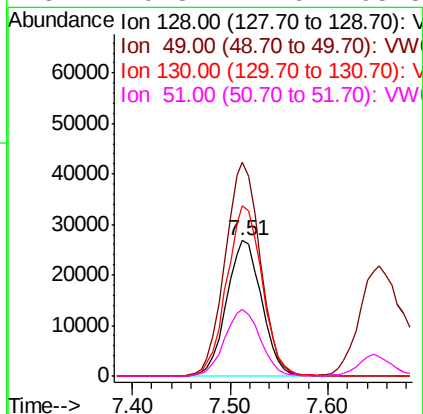
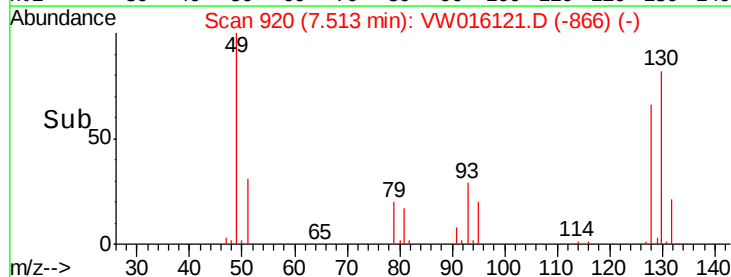
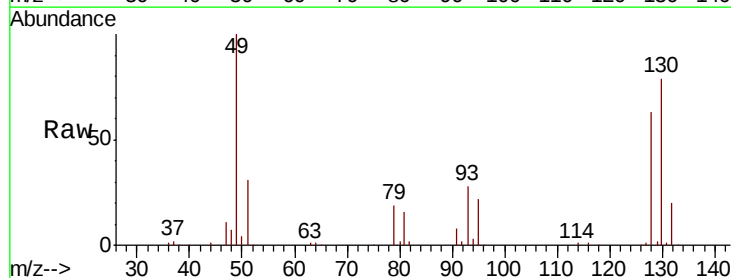
Tot Ion: 96 Resp: 142783
 Ion Ratio Lower Upper
 96 100
 61 125.3 87.0 161.6
 98 62.8 44.0 81.6

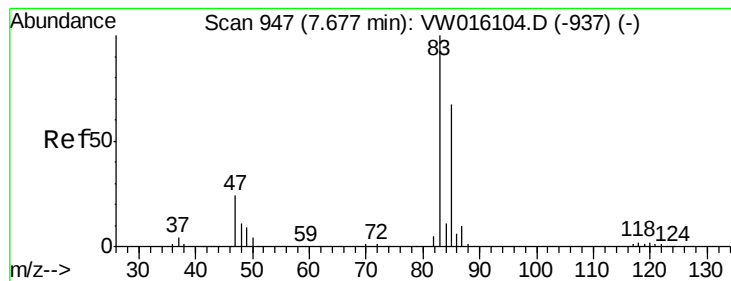


#23

Bromochloromethane
 Concen: 25.480 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW016121.D
 Acq: 10 Aug 2020 23:52

Tgt Ion: 128 Resp: 66727
 Ion Ratio Lower Upper
 128 100
 49 157.5 111.8 207.6
 130 125.1 90.6 168.3
 51 49.3 42.6 63.8





#25

Chloroform

Concen: 24.754 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampleId :

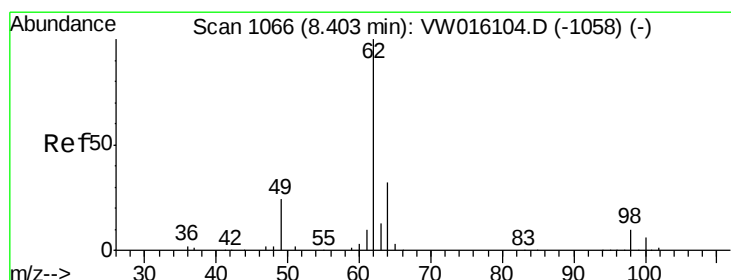
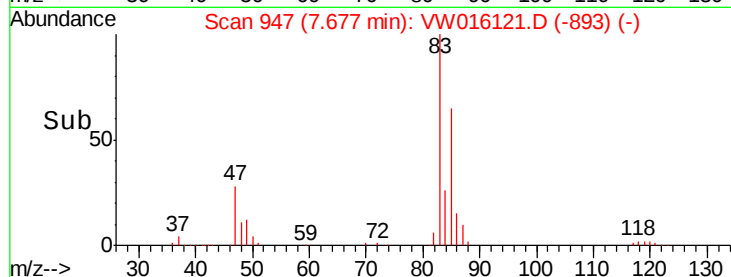
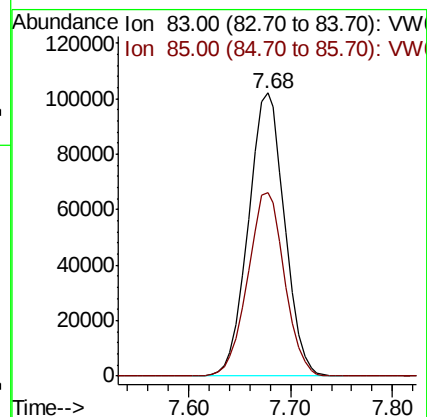
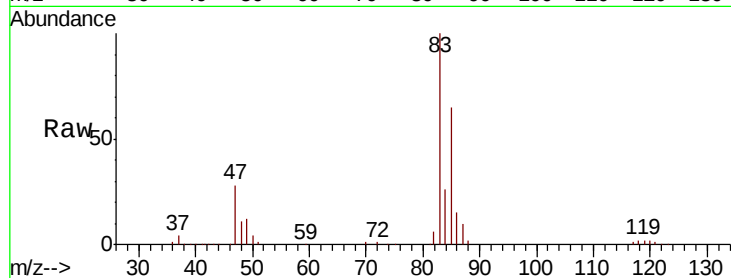
VSTD02508

Tot Ion: 83 Resp: 252027

Ion Ratio Lower Upper

83 100

85 66.0 46.0 85.4



#27

1,2-Dichloroethane

Concen: 25.378 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016121.D

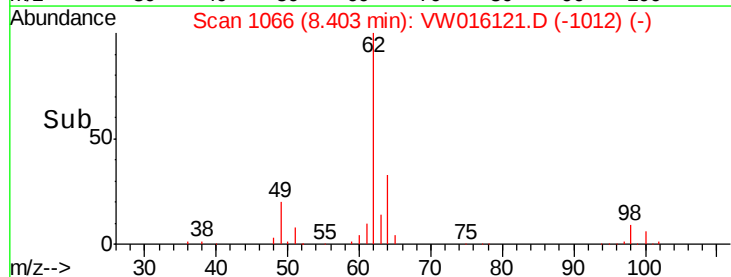
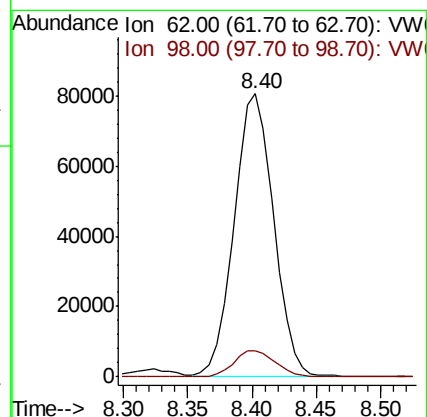
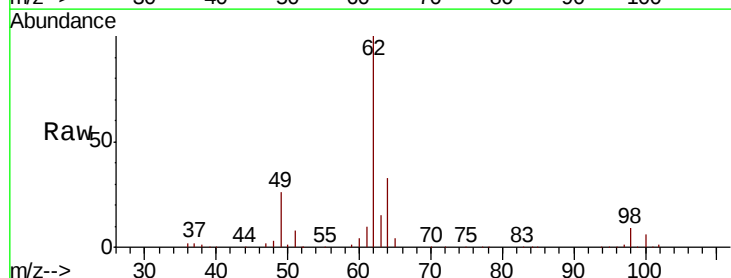
Acq: 10 Aug 2020 23:52

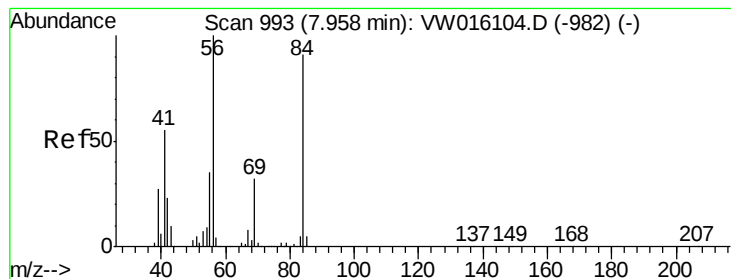
Tgt Ion: 62 Resp: 172118

Ion Ratio Lower Upper

62 100

98 9.2 7.7 11.5





#30

Cvclohexane

Concen: 22.868 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

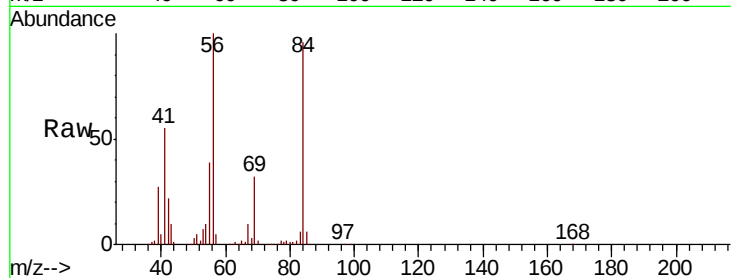
Tot Ion: 56 Resp: 195645

Ion Ratio Lower Upper

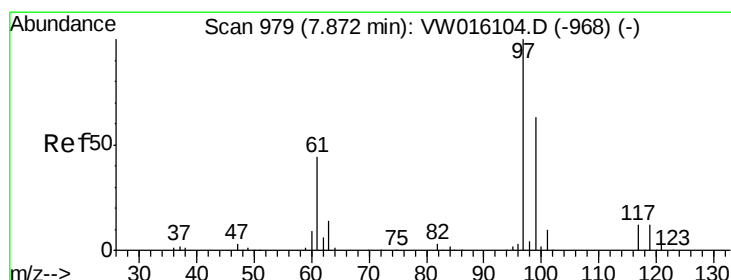
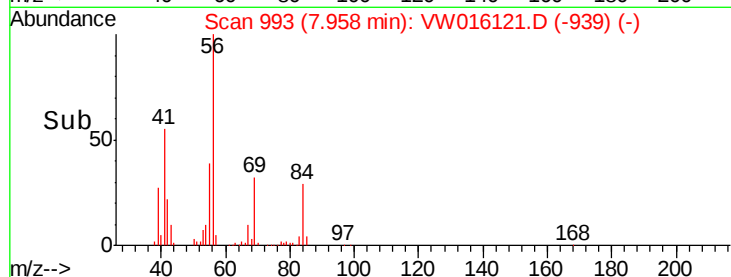
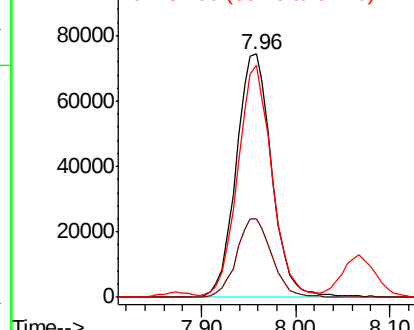
56 100

69 31.7 25.4 38.0

84 91.5 73.0 109.6



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: 22.590 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

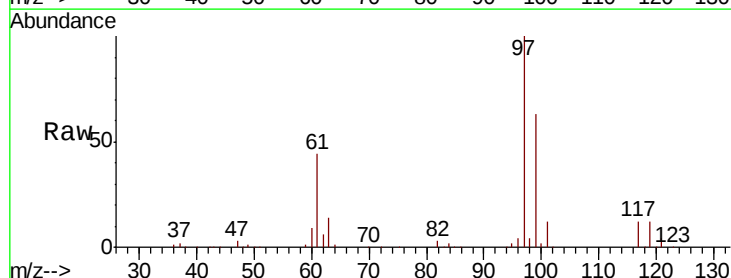
Tgt Ion: 97 Resp: 204105

Ion Ratio Lower Upper

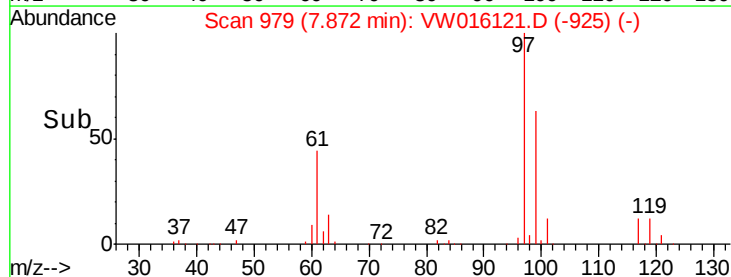
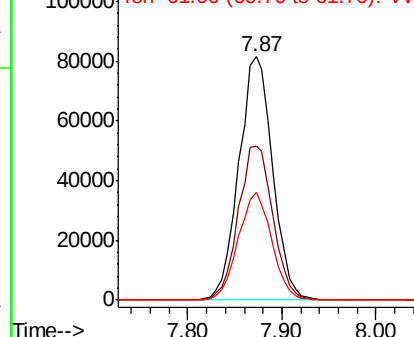
97 100

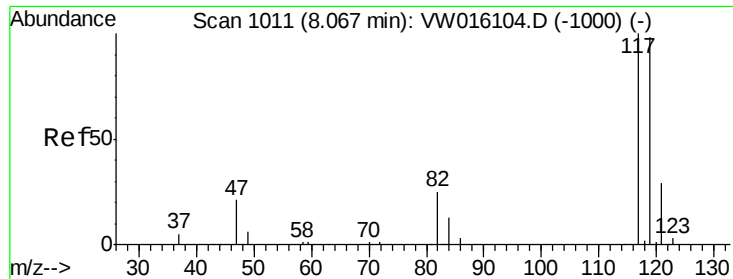
99 64.8 51.6 77.4

61 43.8 34.5 51.7



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: 22.836 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampleId :

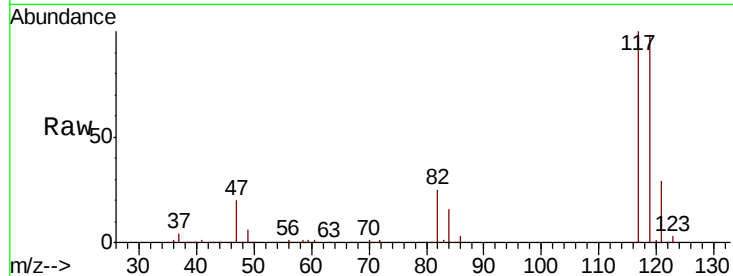
VSTD02508

Tot Ion:117 Resp: 195147

Ion Ratio Lower Upper

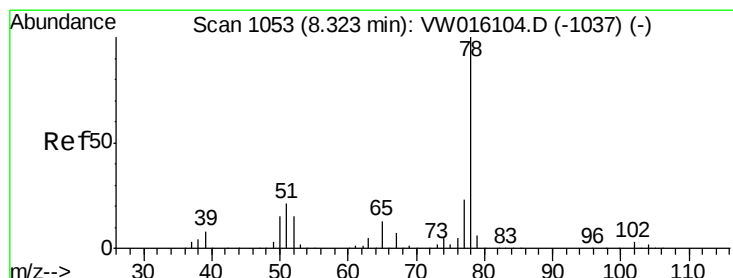
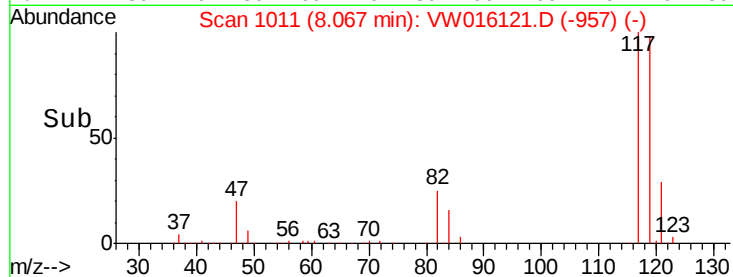
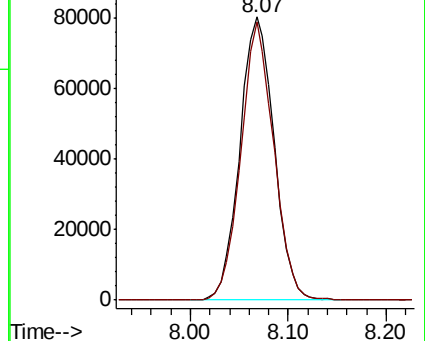
117 100

119 94.1 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.078 ug/L

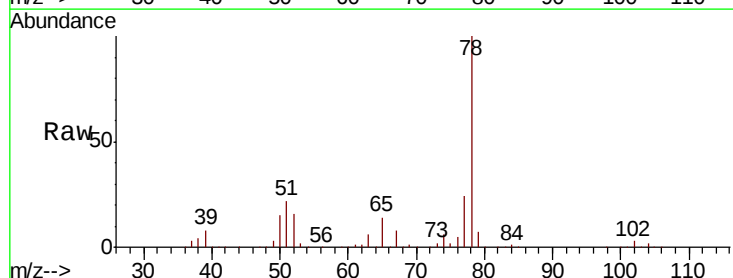
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

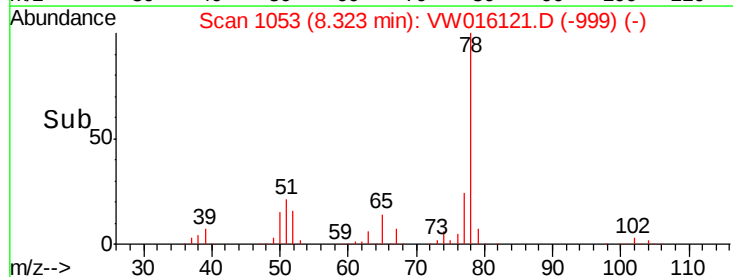
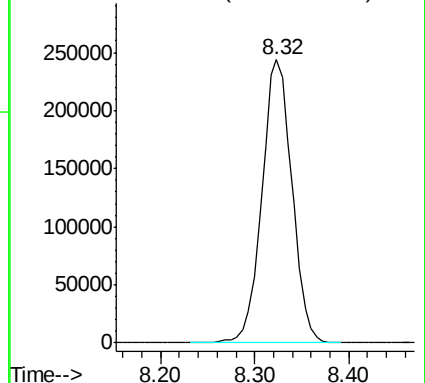
Lab File: VW016121.D

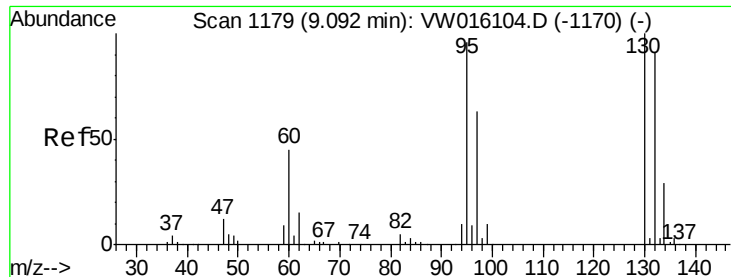
Acq: 10 Aug 2020 23:52

Tgt Ion: 78 Resp: 545963



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 22.997 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampled :

VSTD02508

Tot Ion: 95 Resp: 140215

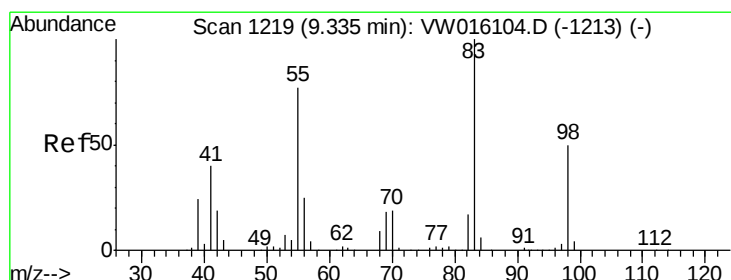
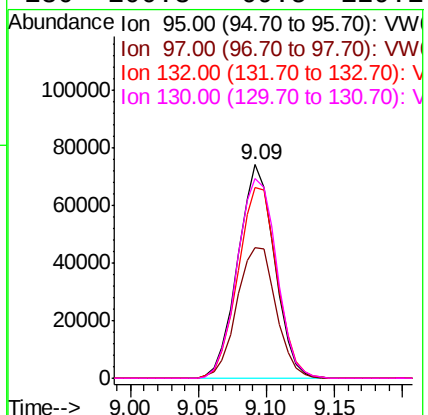
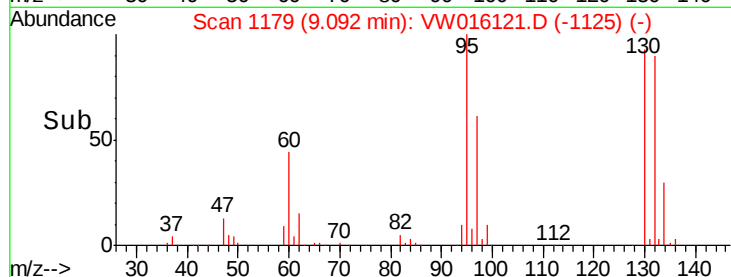
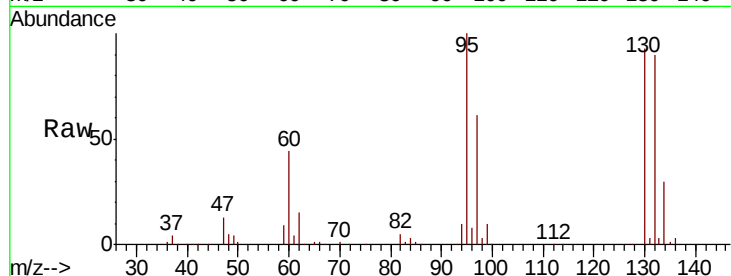
Ion Ratio Lower Upper

95 100

97 65.3 44.9 83.3

132 95.0 65.8 122.2

130 100.3 69.5 129.1



#36

Methylcyclohexane

Concen: 22.929 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

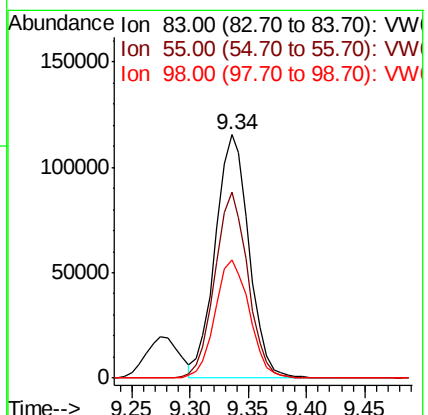
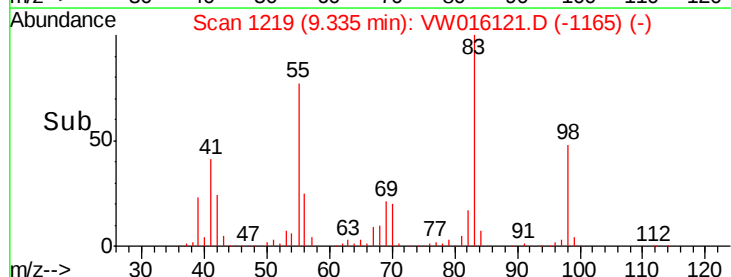
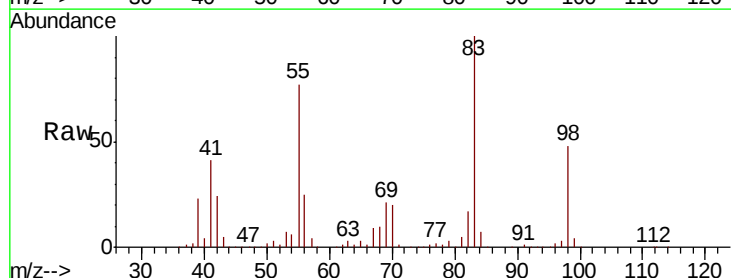
Tgt Ion: 83 Resp: 230294

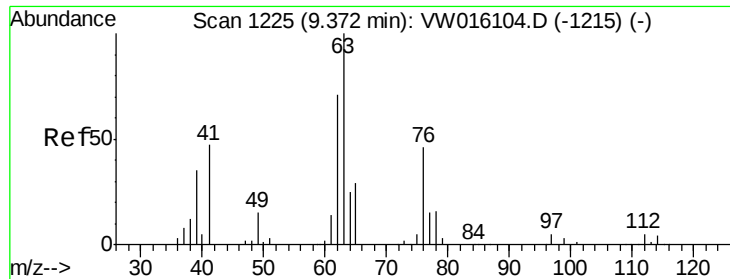
Ion Ratio Lower Upper

83 100

55 75.3 60.7 91.1

98 49.7 39.4 59.0

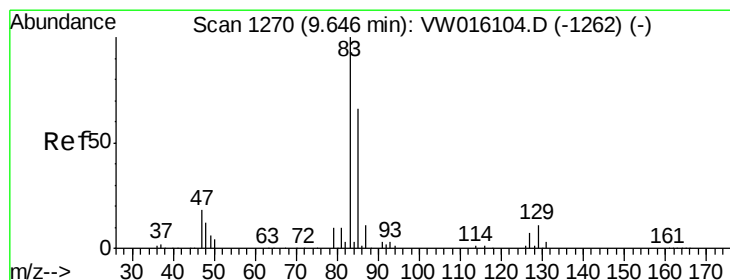
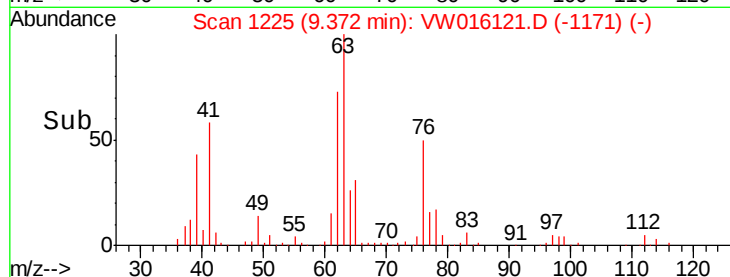
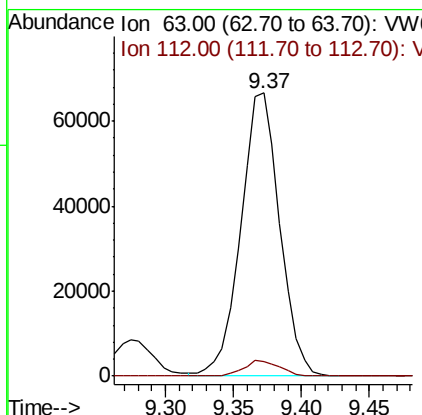
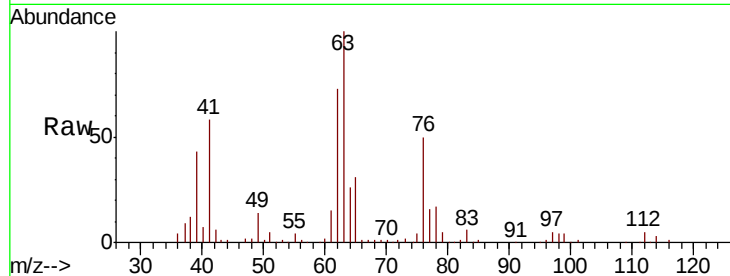




#40
 1,2-Dichloropropane
 Concen: 23.976 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016121.D
 Acq: 10 Aug 2020 23:52

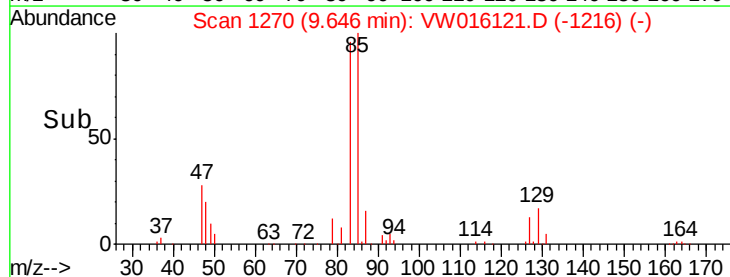
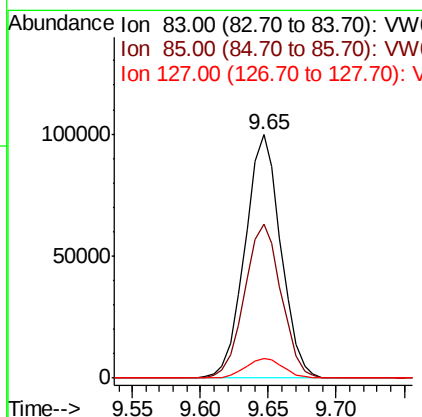
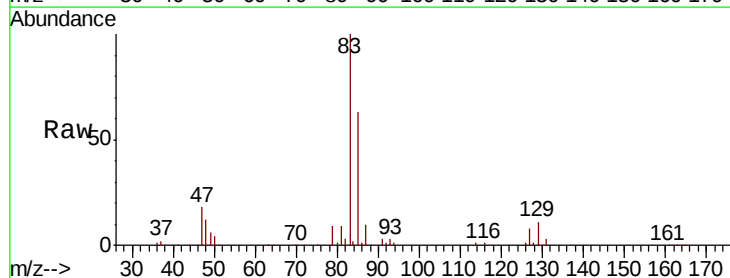
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

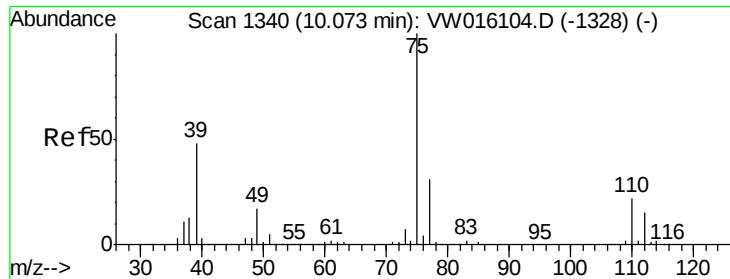
Tot Ion: 63 Resp: 133504
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.0 6.0



#41
 Bromodichloromethane
 Concen: 24.020 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016121.D
 Acq: 10 Aug 2020 23:52

Tgt Ion: 83 Resp: 183734
 Ion Ratio Lower Upper
 83 100
 85 63.1 46.1 85.5
 127 8.3 7.2 10.8

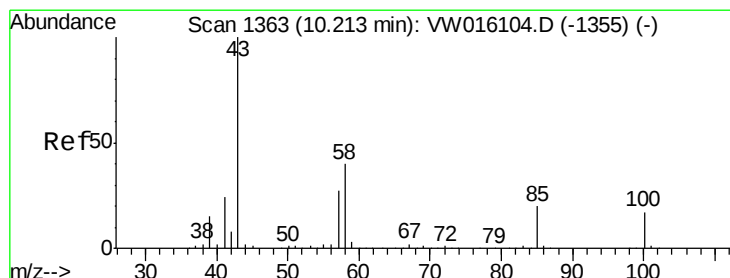
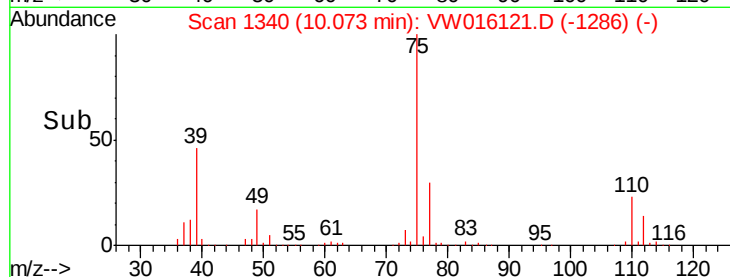
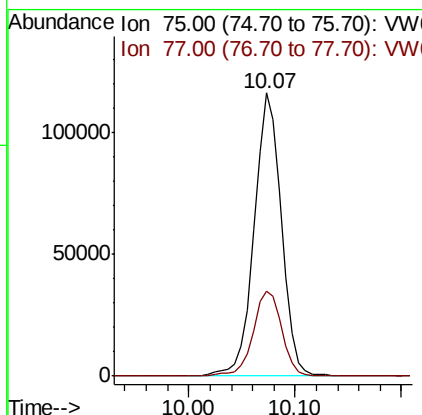
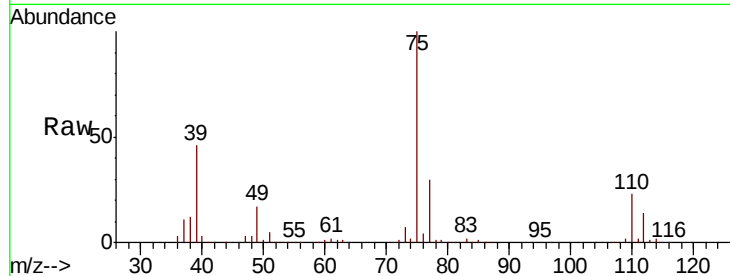




#42
 cis-1,3-Dichloropropene
 Concen: 24.591 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016121.D
 Acq: 10 Aug 2020 23:52

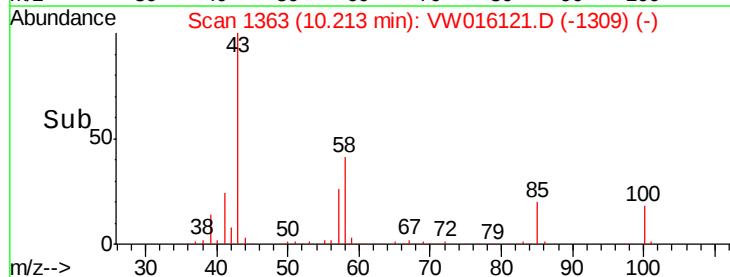
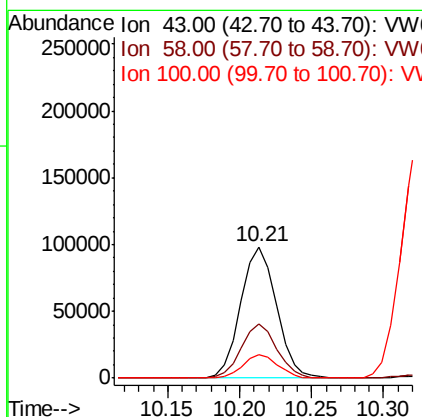
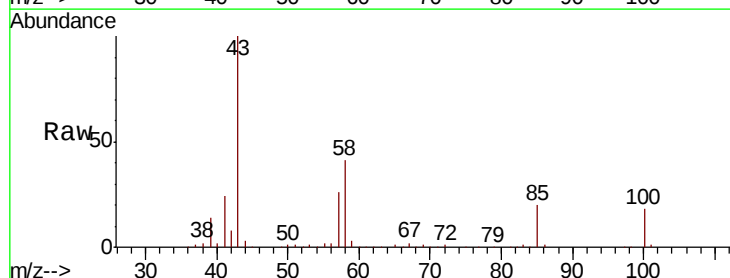
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02508

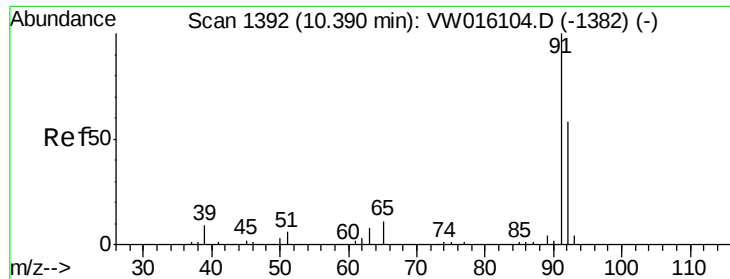
Tot Ion: 75 Resp: 208532
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.9 42.5



#43
 4-Methyl-2-pentanone
 Concen: 50.662 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016121.D
 Acq: 10 Aug 2020 23:52

Tgt Ion: 43 Resp: 169673
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.1 48.1
 100 17.6 13.8 20.8





#44

Toluene

Concen: 24.449 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampleId :

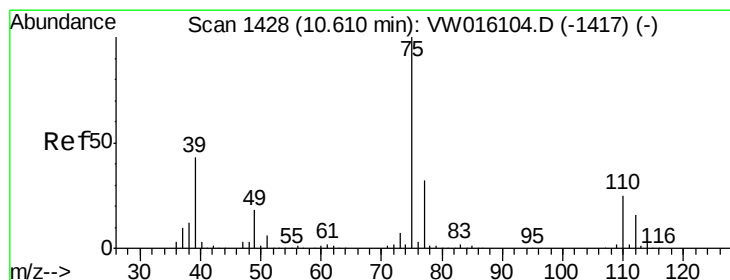
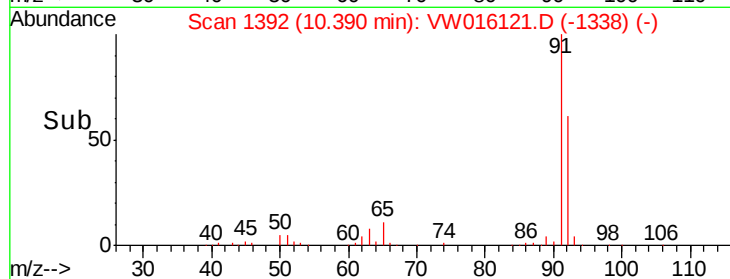
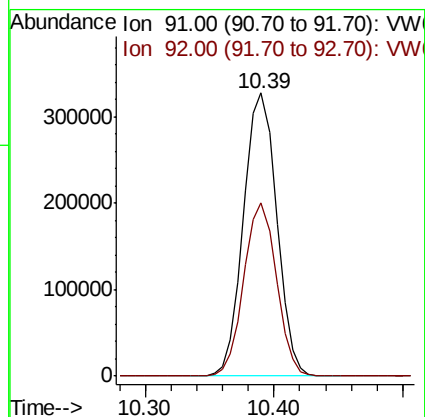
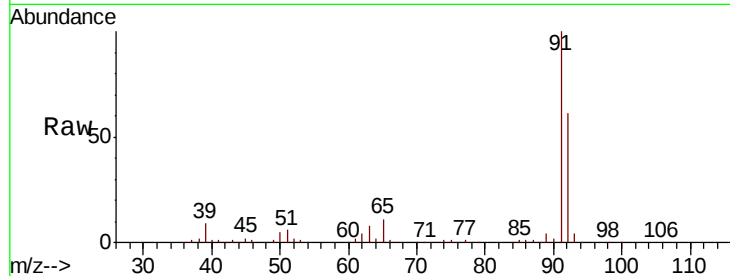
VSTD02508

Tot Ion: 91 Resp: 585213

Ion Ratio Lower Upper

91 100

92 61.1 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 24.619 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016121.D

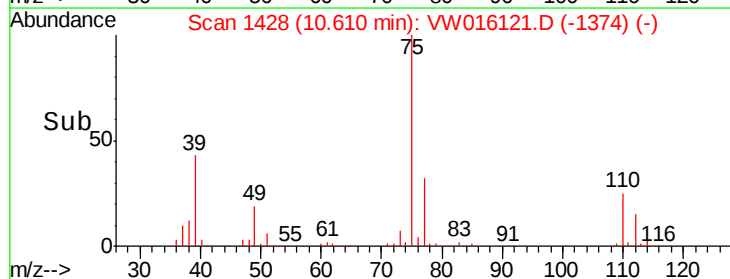
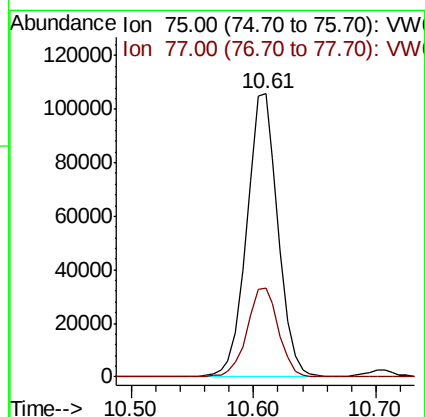
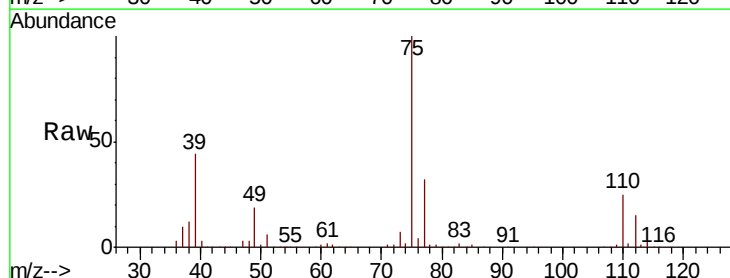
Acq: 10 Aug 2020 23:52

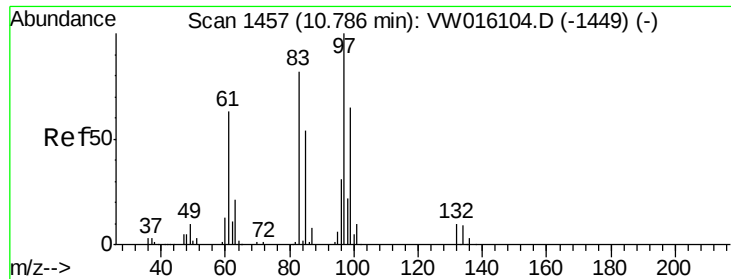
Tgt Ion: 75 Resp: 187539

Ion Ratio Lower Upper

75 100

77 31.6 22.7 42.1

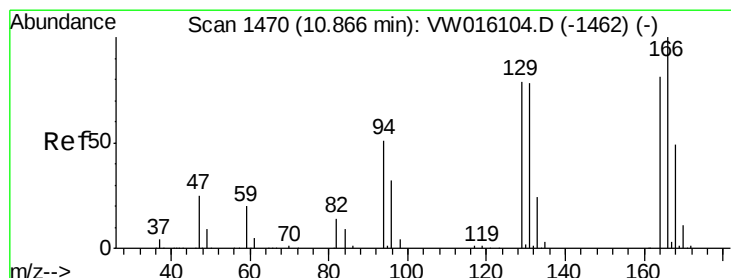
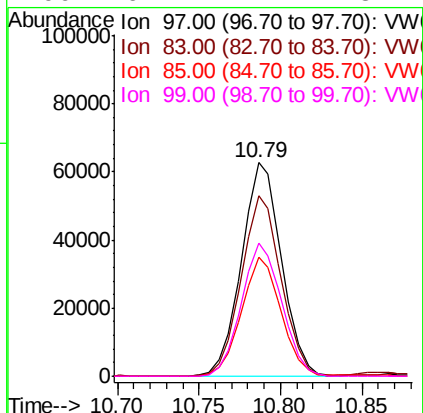
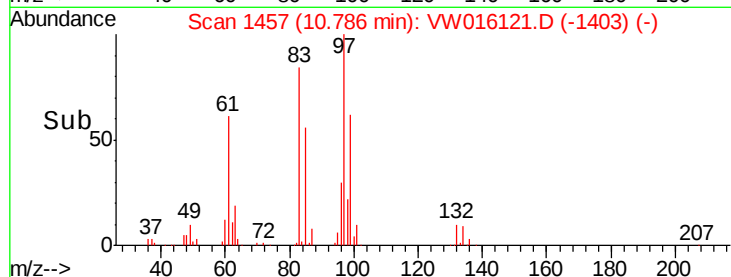
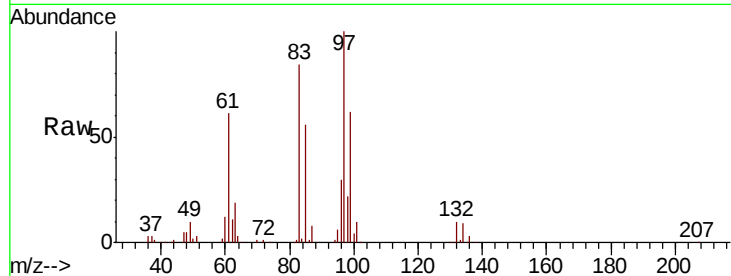




#46
 1,1,2-Trichloroethane
 Concen: 24.442 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW016121.D
 Acq: 10 Aug 2020 23:52

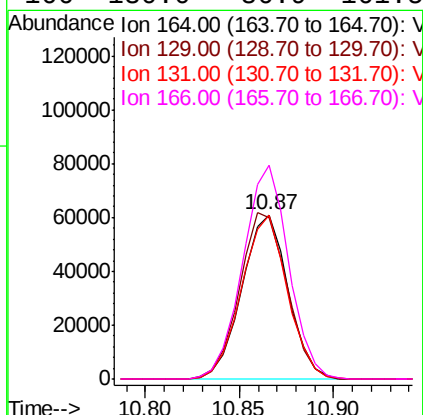
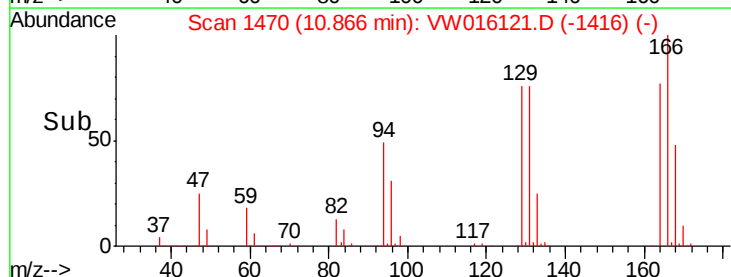
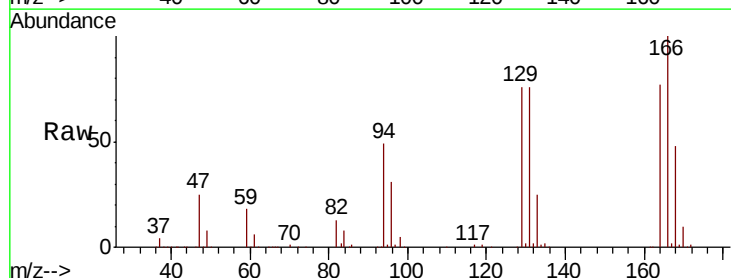
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02508

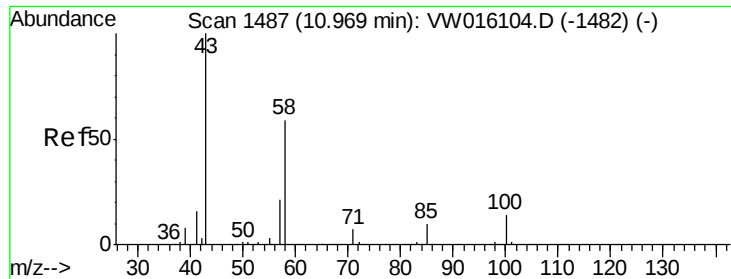
Tot Ion:	97	Resp:	107130
Ion	Ratio	Lower	Upper
97	100		
83	84.4	57.8	107.4
85	55.7	38.0	70.6
99	62.2	44.4	82.4



#47
 Tetrachloroethene
 Concen: 22.651 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016121.D
 Acq: 10 Aug 2020 23:52

Tgt Ion:	164	Resp:	103532
Ion	Ratio	Lower	Upper
164	100		
129	98.6	71.5	132.9
131	99.4	65.4	121.4
166	130.0	86.9	161.5





#49

2-Hexanone

Concen: 52.059 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tot Ion: 43 Resp: 117648

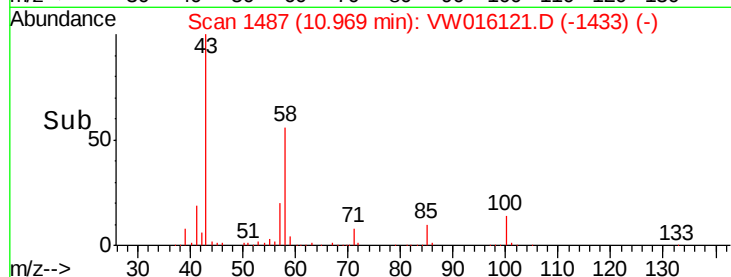
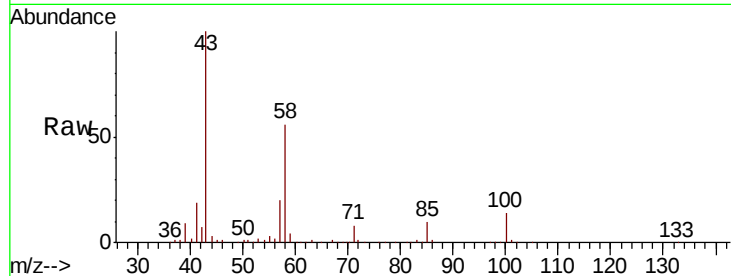
Ion Ratio Lower Upper

43 100

58 58.0 44.2 66.2

57 20.5 15.8 23.6

100 14.2 10.8 16.2

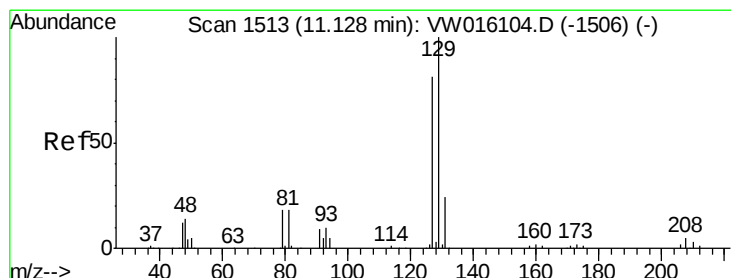
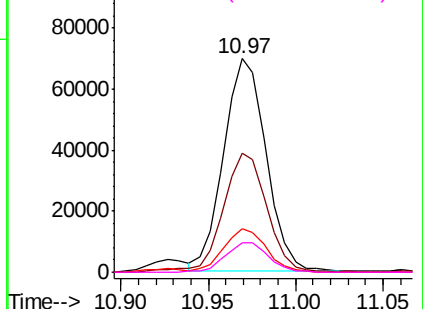


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.356 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW016121.D

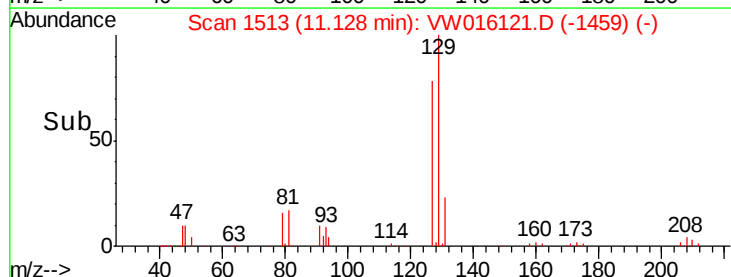
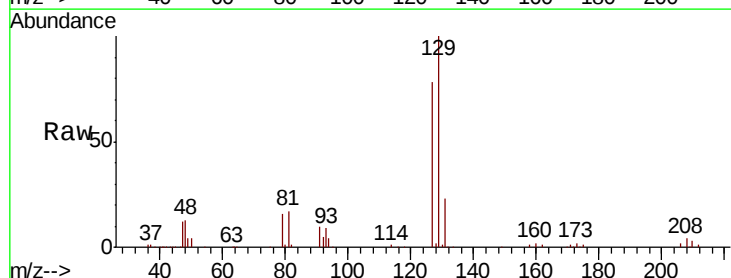
Acq: 10 Aug 2020 23:52

Tgt Ion:129 Resp: 125736

Ion Ratio Lower Upper

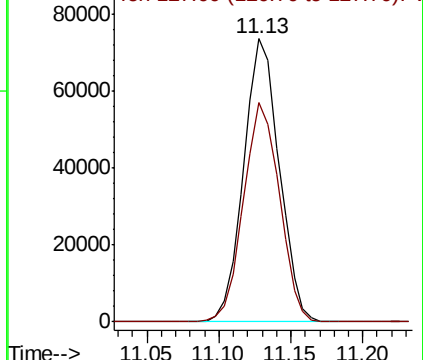
129 100

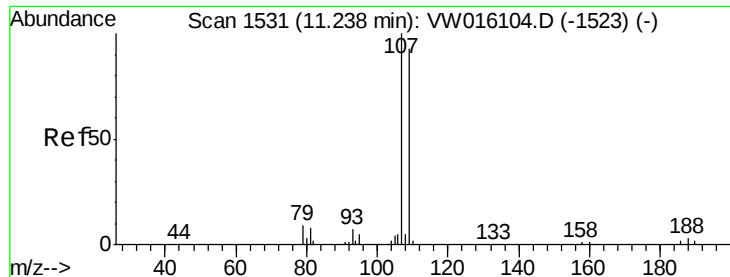
127 77.5 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

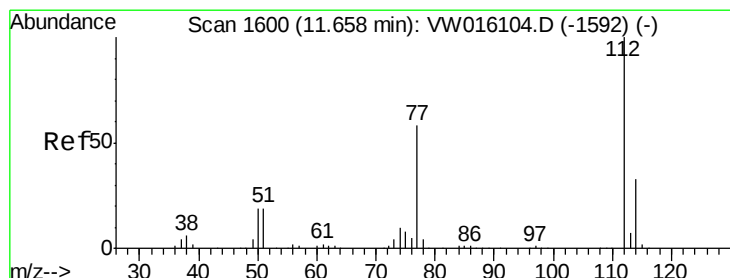
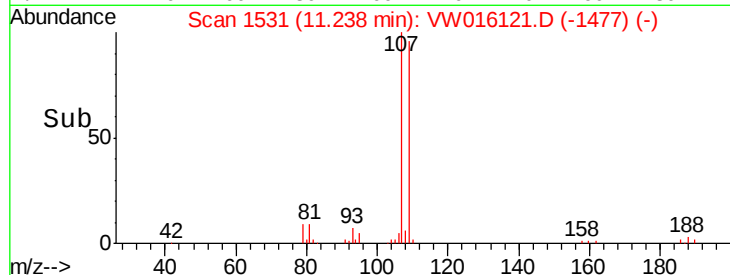
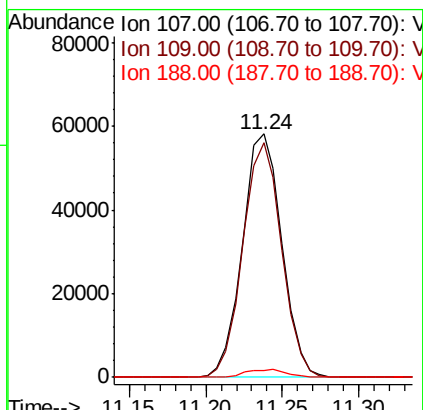
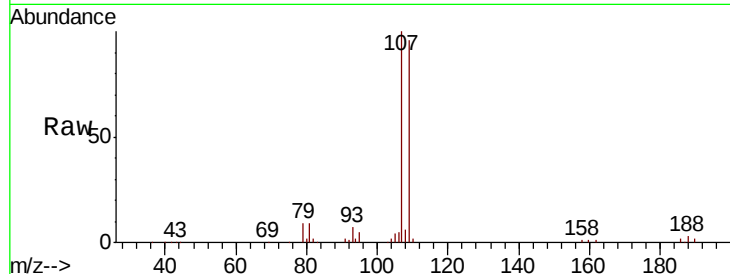




#51
1,2-Dibromoethane
Concen: 25.049 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016121.D
Acq: 10 Aug 2020 23:52

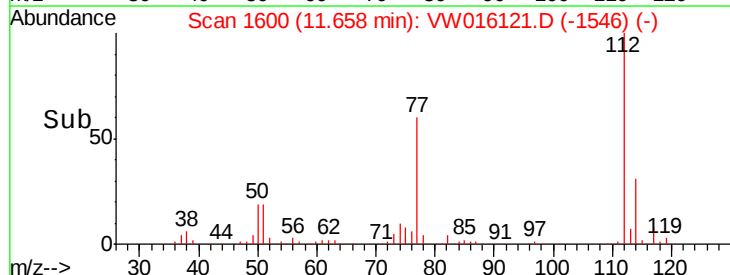
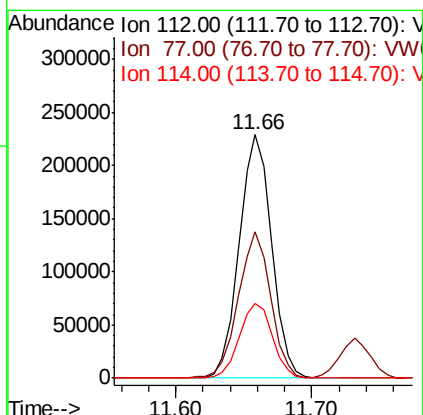
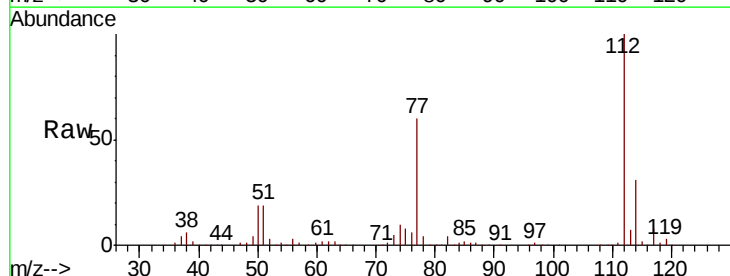
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

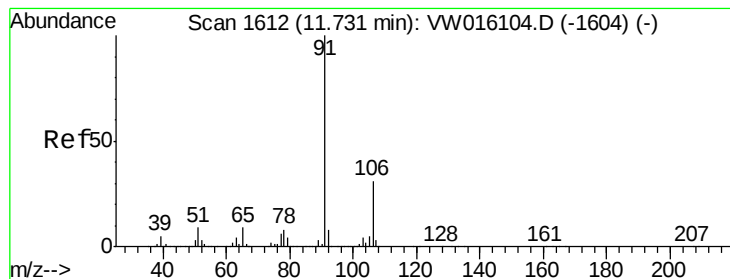
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	66.0	122.6
188	2.9	2.8	4.2



#52
Chlorobenzene
Concen: 24.022 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016121.D
Acq: 10 Aug 2020 23:52

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.0	49.1	73.7
114	30.8	23.5	43.7





#53

Ethylbenzene

Concen: 24.452 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampleId :

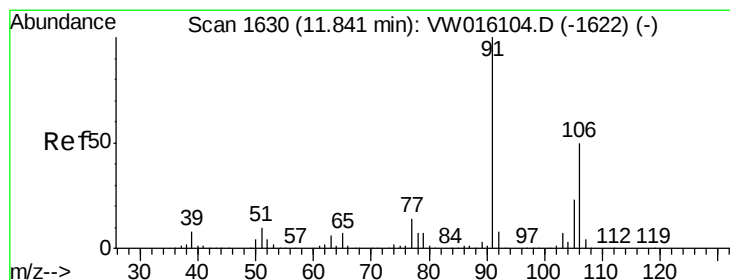
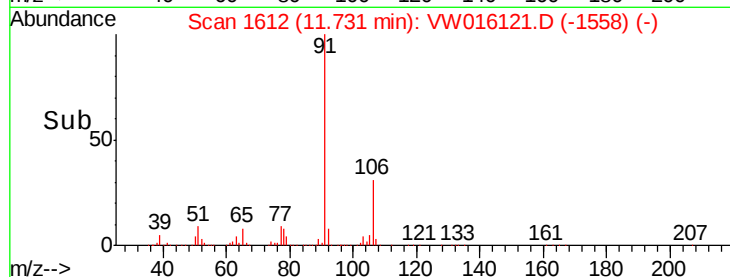
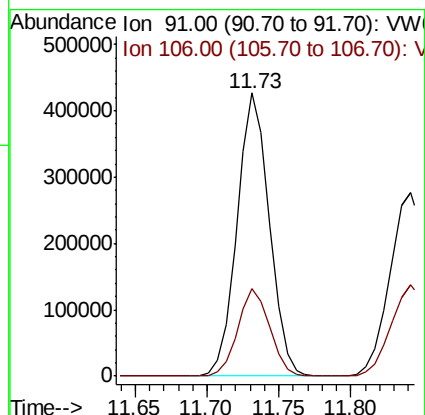
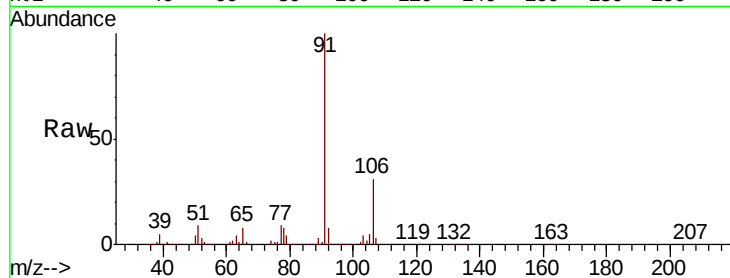
VSTD02508

Tot Ion: 91 Resp: 664057

Ion Ratio Lower Upper

91 100

106 30.9 21.8 40.4



#54

m,p-Xylene

Concen: 24.791 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016121.D

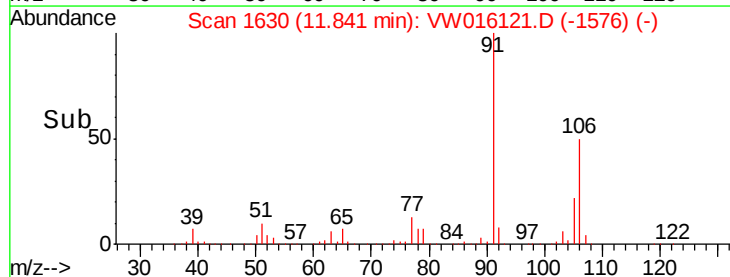
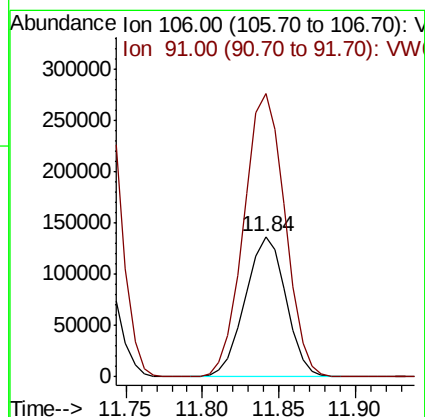
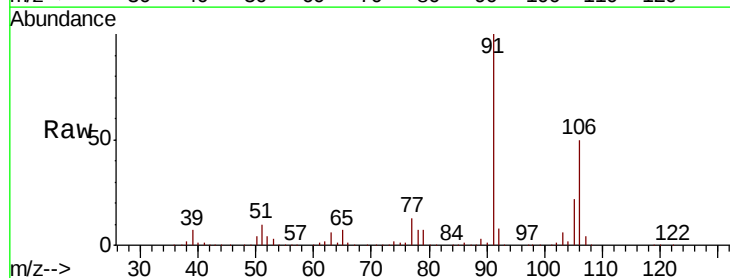
Acq: 10 Aug 2020 23:52

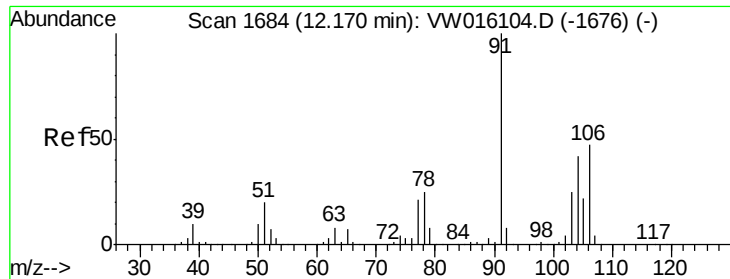
Tgt Ion: 106 Resp: 253257

Ion Ratio Lower Upper

106 100

91 201.4 136.4 253.2





#55

o-xylene

Concen: 25.026 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampleId :

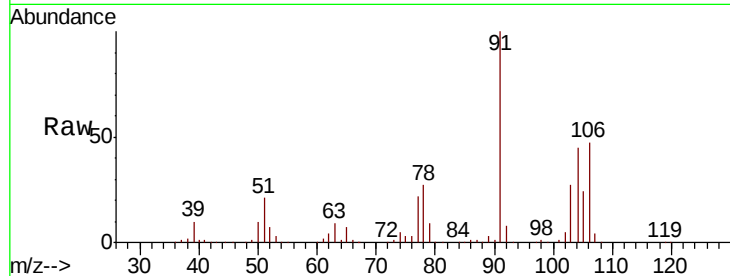
VSTD02508

Tot Ion:106 Resp: 240812

Ion Ratio Lower Upper

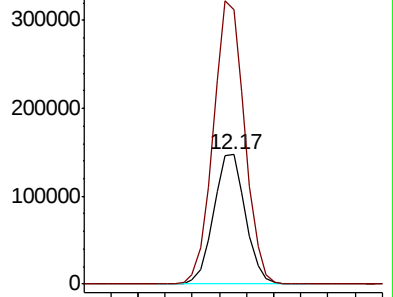
106 100

91 211.9 151.3 281.1

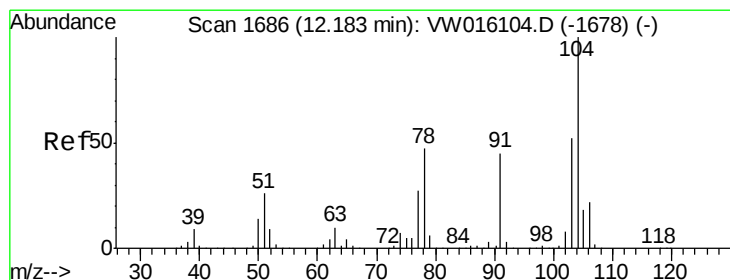
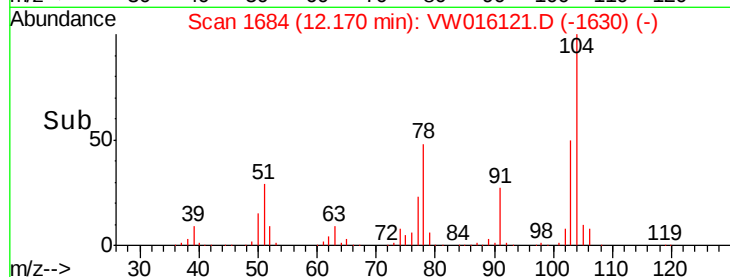


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



#56

Styrene

Concen: 25.491 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016121.D

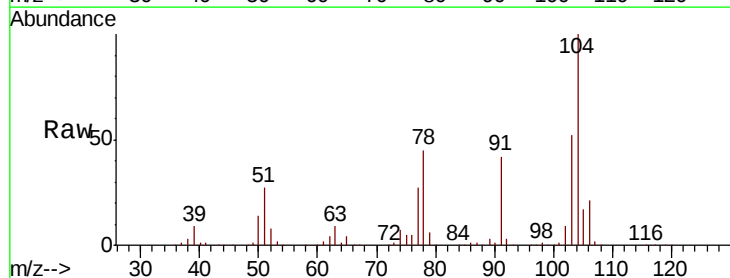
Acq: 10 Aug 2020 23:52

Tgt Ion:104 Resp: 424655

Ion Ratio Lower Upper

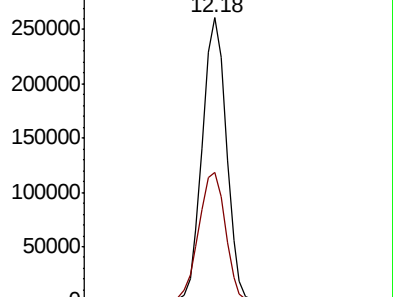
104 100

78 45.3 32.0 59.4

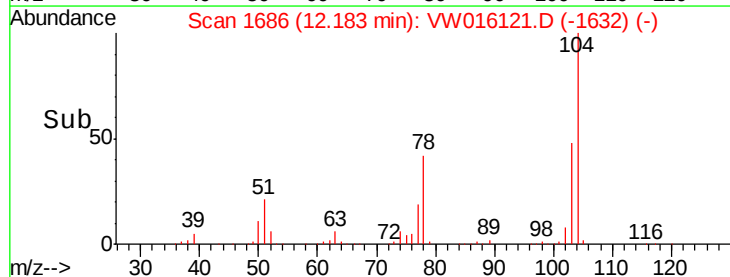


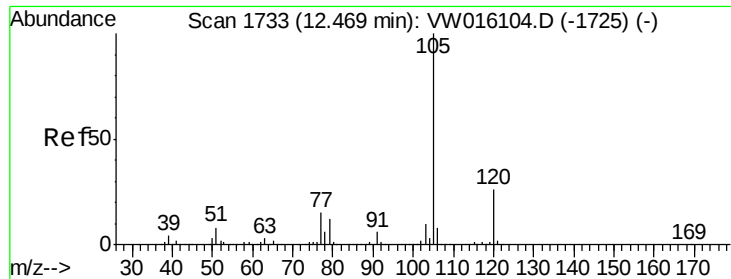
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



Time-->





#57

Isopropylbenzene

Concen: 24.594 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

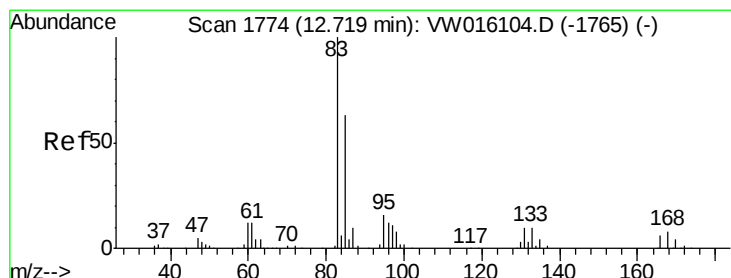
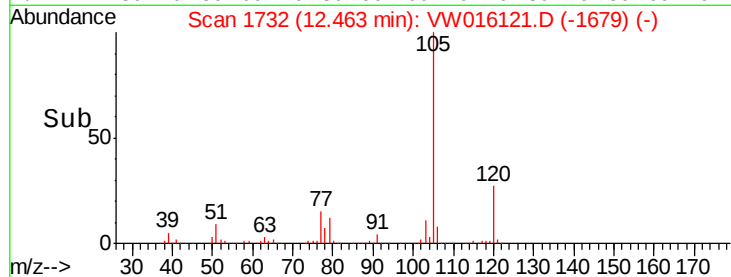
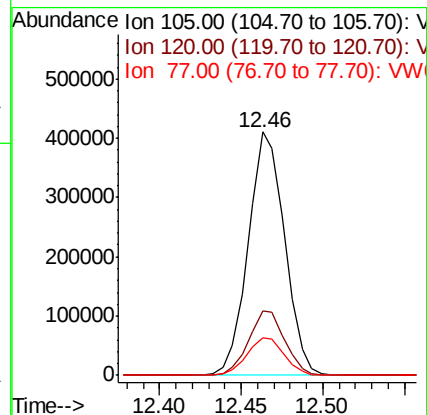
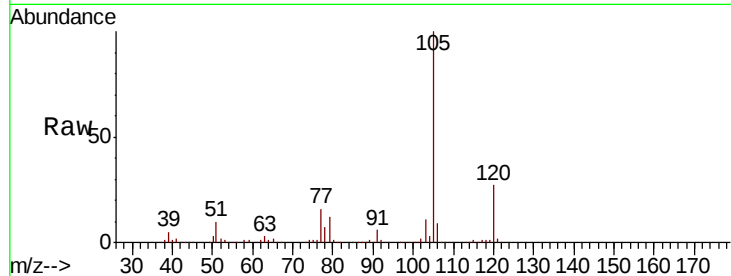
Tot Ion:105 Resp: 638049

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

77 15.9 12.6 18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 25.582 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

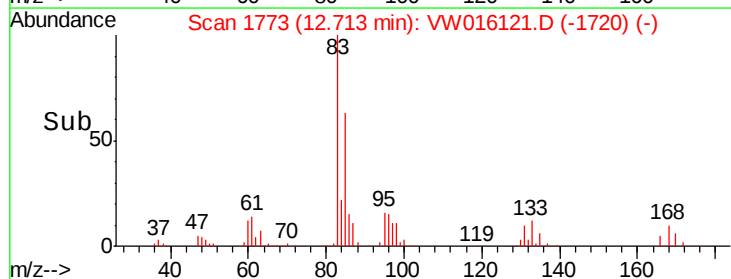
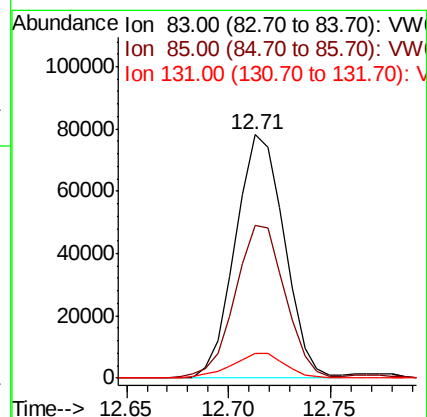
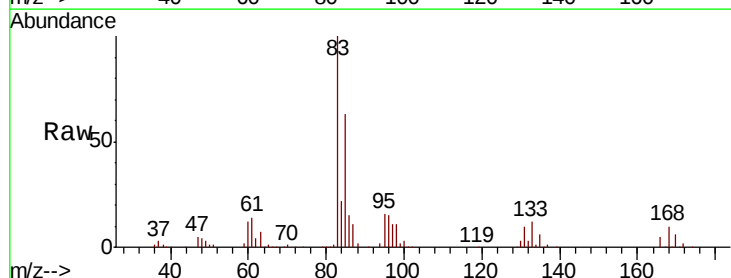
Tgt Ion: 83 Resp: 130831

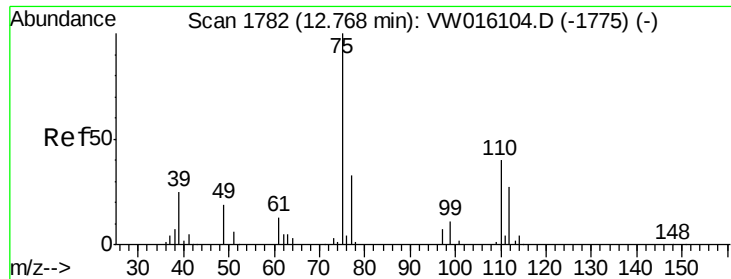
Ion Ratio Lower Upper

83 100

85 62.6 42.4 78.8

131 10.2 7.8 11.8

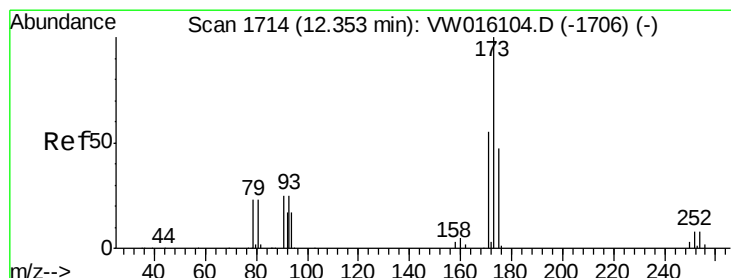
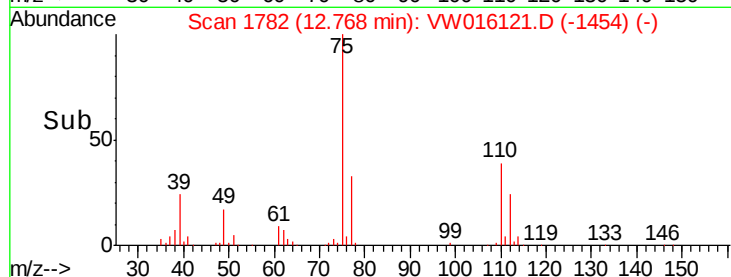
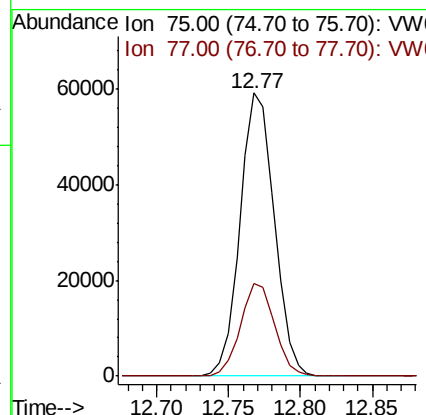
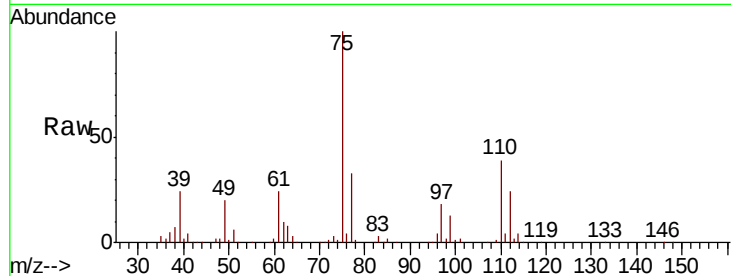




#59
 1,2,3-Trichloropropane
 Concen: 25.239 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW016121.D
 Acq: 10 Aug 2020 23:52

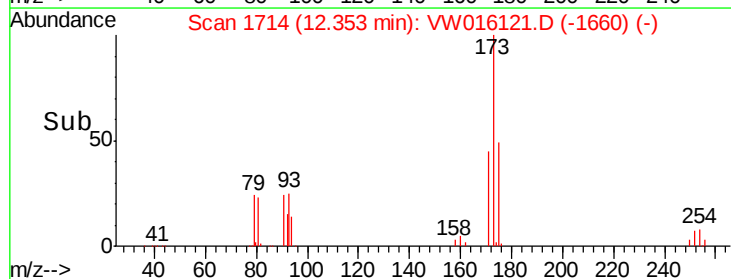
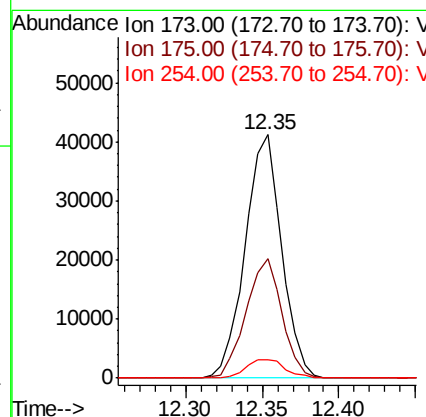
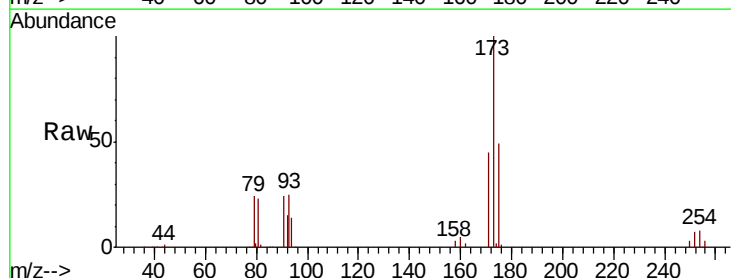
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

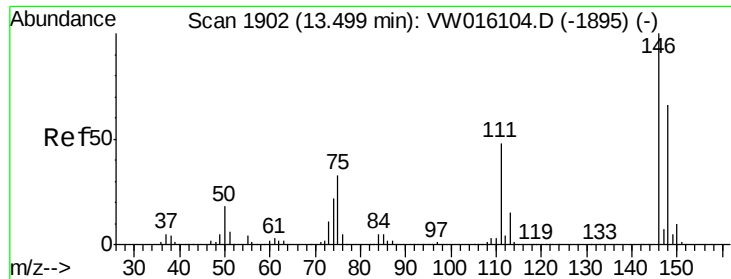
Tot Ion: 75 Resp: 97785
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.9 38.9



#62
 Bromoform
 Concen: 24.153 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW016121.D
 Acq: 10 Aug 2020 23:52

Tgt Ion: 173 Resp: 68206
 Ion Ratio Lower Upper
 173 100
 175 48.4 37.8 56.6
 254 8.4 6.8 10.2





#63

1,3-Dichlorobenzene

Concen: 23.230 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

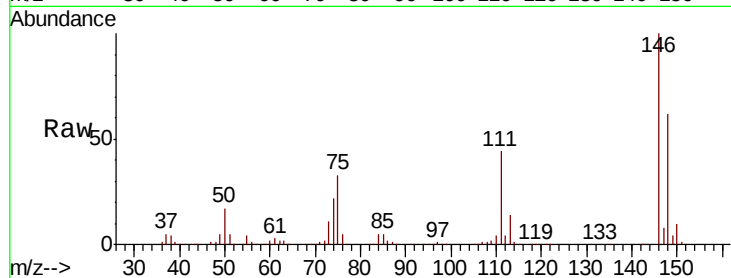
Tot Ion:146 Resp: 274007

Ion Ratio Lower Upper

146 100

111 44.1 28.9 53.7

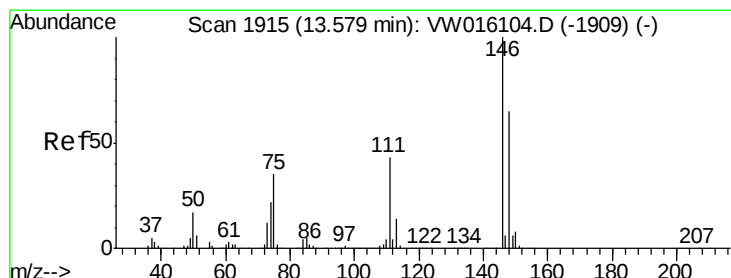
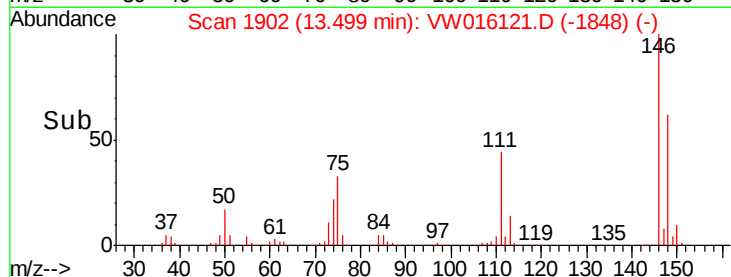
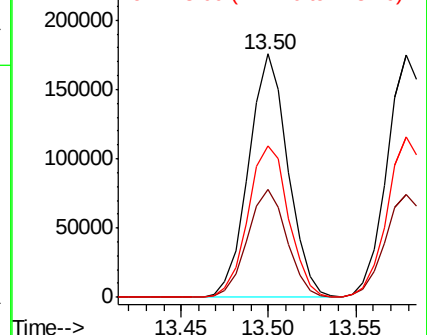
148 62.1 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 23.314 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

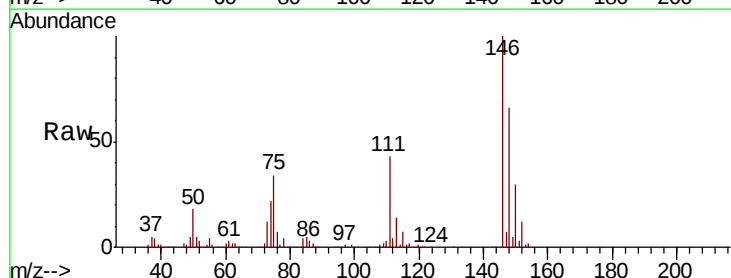
Tgt Ion:146 Resp: 280134

Ion Ratio Lower Upper

146 100

111 42.6 28.6 53.2

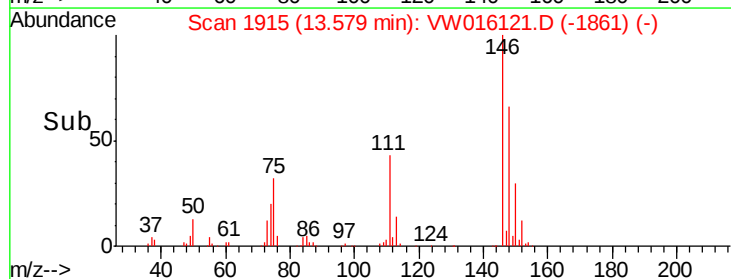
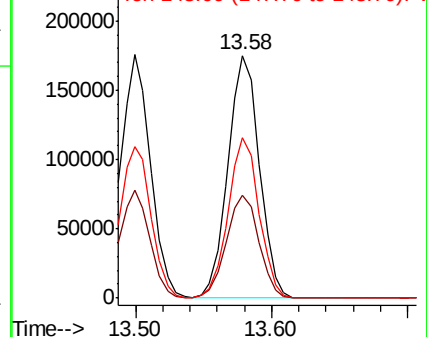
148 66.1 47.7 88.5

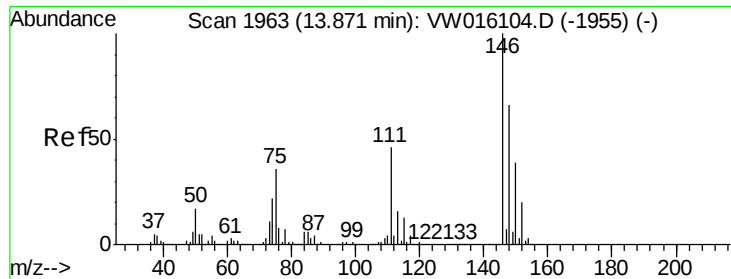


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

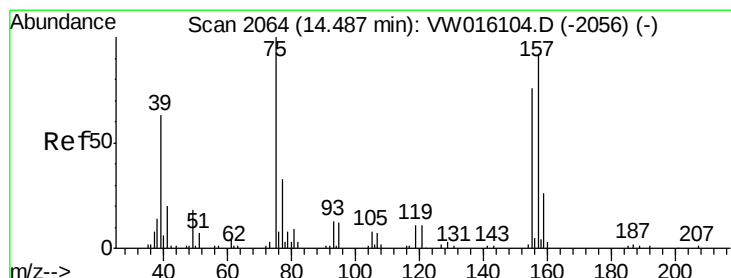
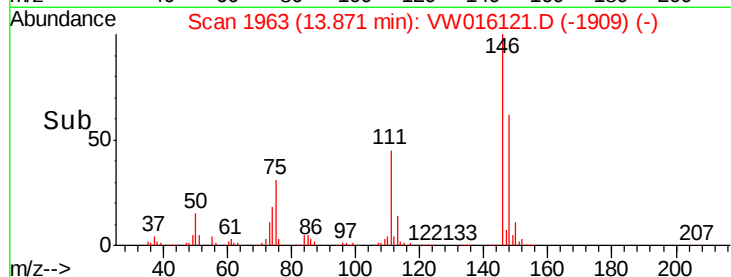
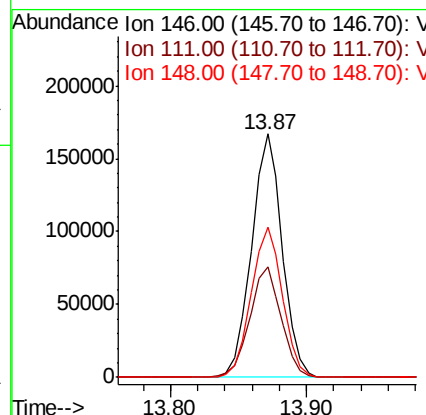
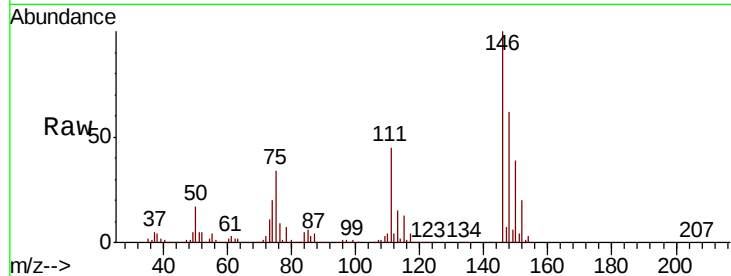




#65
 1,2-Dichlorobenzene
 Concen: 24.294 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016121.D
 Acq: 10 Aug 2020 23:52

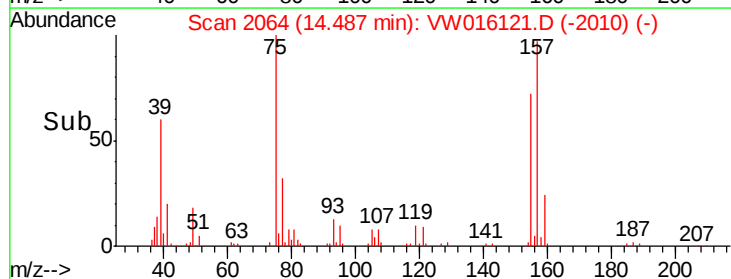
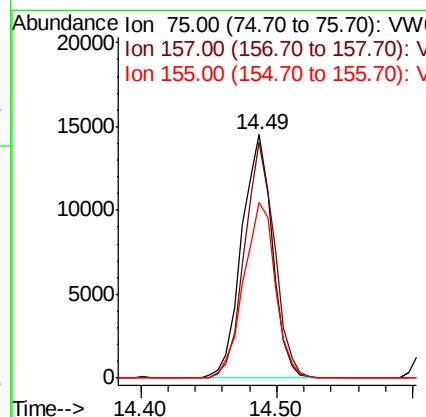
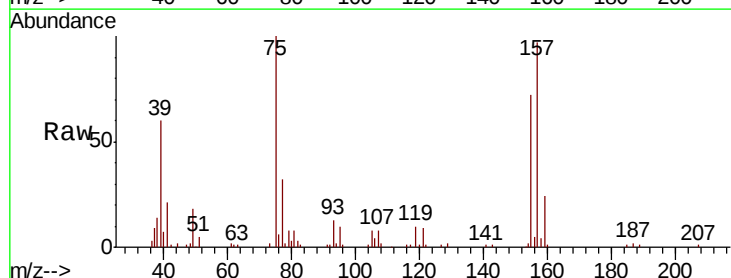
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

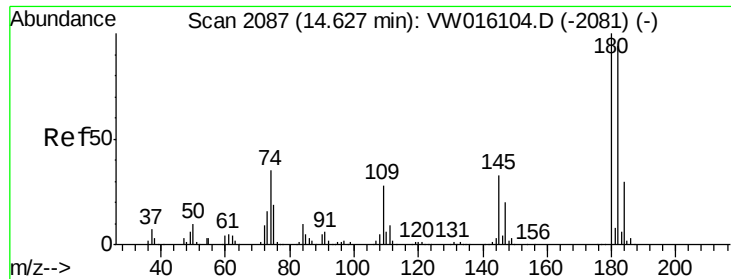
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	35.3	52.9
148	61.8	49.0	73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.988 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016121.D
 Acq: 10 Aug 2020 23:52

Tgt Ion	Ratio	Lower	Upper
75	100		
157	96.8	73.9	110.9
155	72.4	63.4	95.2

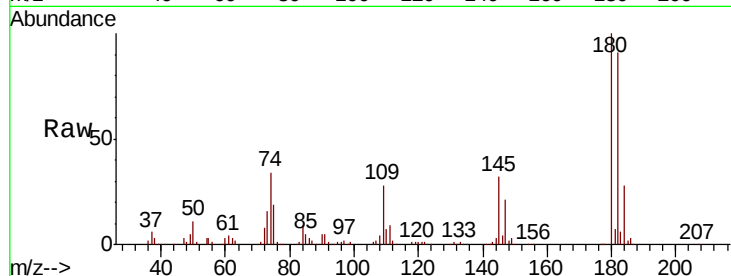




#67
 1,3,5-Trichlorobenzene
 Concen: 24.667 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW016121.D
 Acq: 10 Aug 2020 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.3	114.5
184	29.2	25.1	37.7
145	33.1	26.9	40.3



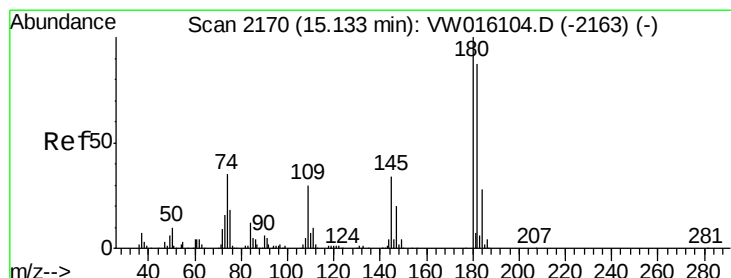
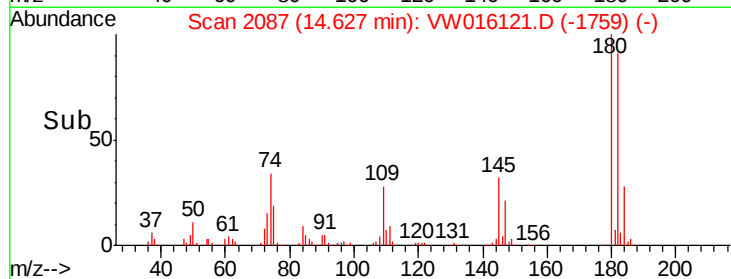
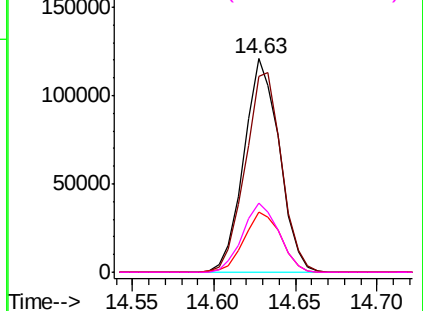
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

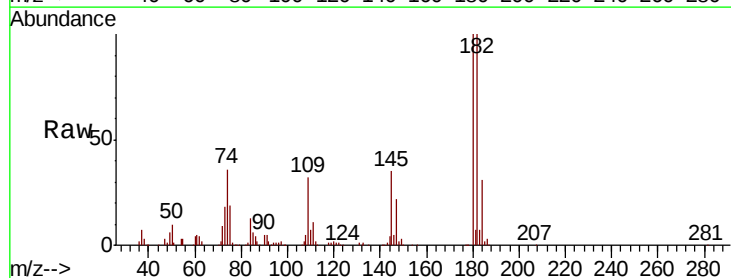
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.299 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016121.D
 Acq: 10 Aug 2020 23:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	77.8	116.8
145	34.1	26.5	39.7

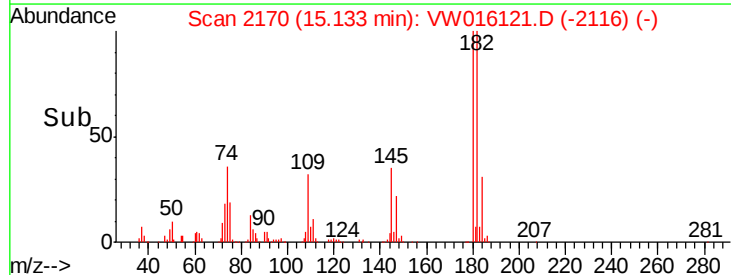
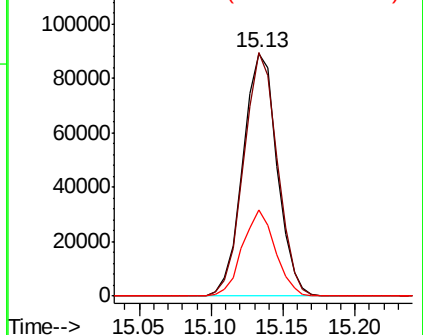


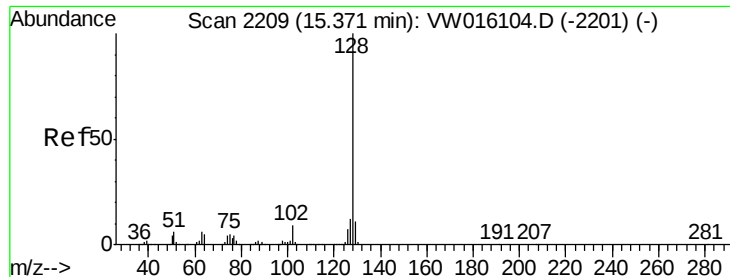
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.583 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

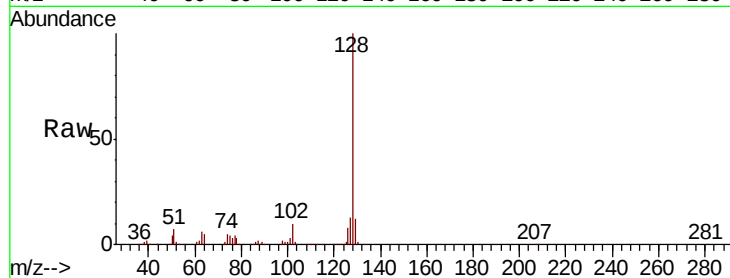
Tot Ion:128 Resp: 338471

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

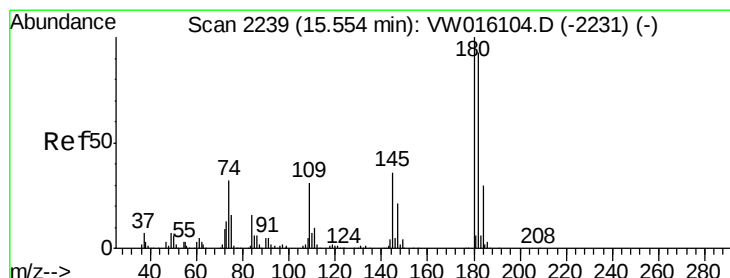
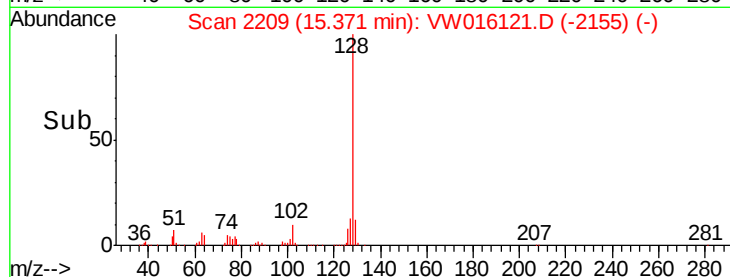
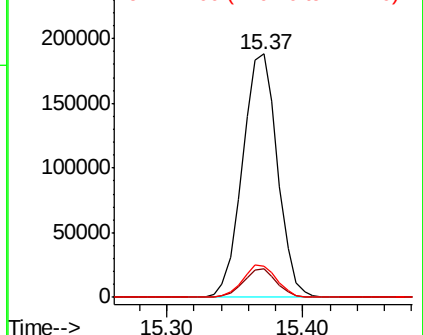
127 13.1 10.3 15.5



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: 26.022 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW016121.D

Acq: 10 Aug 2020 23:52

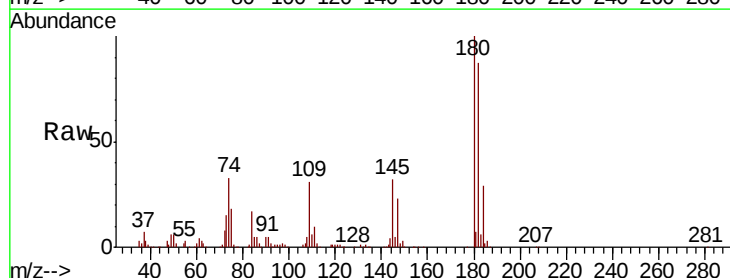
Tgt Ion:180 Resp: 142605

Ion Ratio Lower Upper

180 100

182 94.5 76.0 114.0

145 35.1 29.9 44.9



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

