

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091820\
 Data File : VW016589.D
 Acq On : 18 Sep 2020 17:19
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025108

Quant Time: Sep 19 00:22:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM091820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 18 13:07:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	558868	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	499583	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	250602	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	155664	24.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.76%
7) Chloroethane-d5	2.90	69	124888	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.48%
11) 1,1-Dichloroethene-d2	4.04	63	315936	23.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.92%
21) 2-Butanone-d5	7.09	46	72779	51.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.10%
24) Chloroform-d	7.65	84	335476	25.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.92%
26) 1,2-Dichloroethane-d4	8.31	65	172708	25.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.72%
32) Benzene-d6	8.28	84	634974	24.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.52%
36) 1,2-Dichloropropane-d6	9.28	67	175181	24.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.84%
41) Toluene-d8	10.33	98	623929	25.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.28%
43) trans-1,3-Dichloropropene-	10.58	79	85328	25.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.28%
47) 2-Hexanone-d5	10.93	63	60044	54.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.74%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	141982	25.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.96%
66) 1,2-Dichlorobenzene-d4	13.85	152	234538	25.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.03	85	157775	23.413	ug/L	91
3) Chloromethane	2.22	50	131914	24.701	ug/L	97
5) Vinyl chloride	2.37	62	186152	24.317	ug/L	99
6) Bromomethane	2.79	94	140715	23.928	ug/L	98
8) Chloroethane	2.94	64	113063	24.846	ug/L	100
9) Trichlorofluoromethane	3.28	101	156259	21.521	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.08	101	177661	24.650	ug/L	99
12) 1,1-Dichloroethene	4.06	96	175752	24.380	ug/L	95
13) Acetone	4.14	43	50598	53.126	ug/L	100
14) Carbon disulfide	4.40	76	520974	24.337	ug/L	99
15) Methyl Acetate	4.68	43	61794	26.433	ug/L	99
16) Methylene chloride	4.93	84	186946	22.825	ug/L	96
17) trans-1,2-Dichloroethene	5.44	96	187788	25.109	ug/L	97
18) Methyl tert-butyl Ether	5.43	73	234611	25.538	ug/L	100
19) 1,1-Dichloroethane	6.23	63	303436	25.613	ug/L	99
20) cis-1,2-Dichloroethene	7.18	96	198817	25.575	ug/L	96
22) 2-Butanone	7.18	43	79216	48.920	ug/L	97

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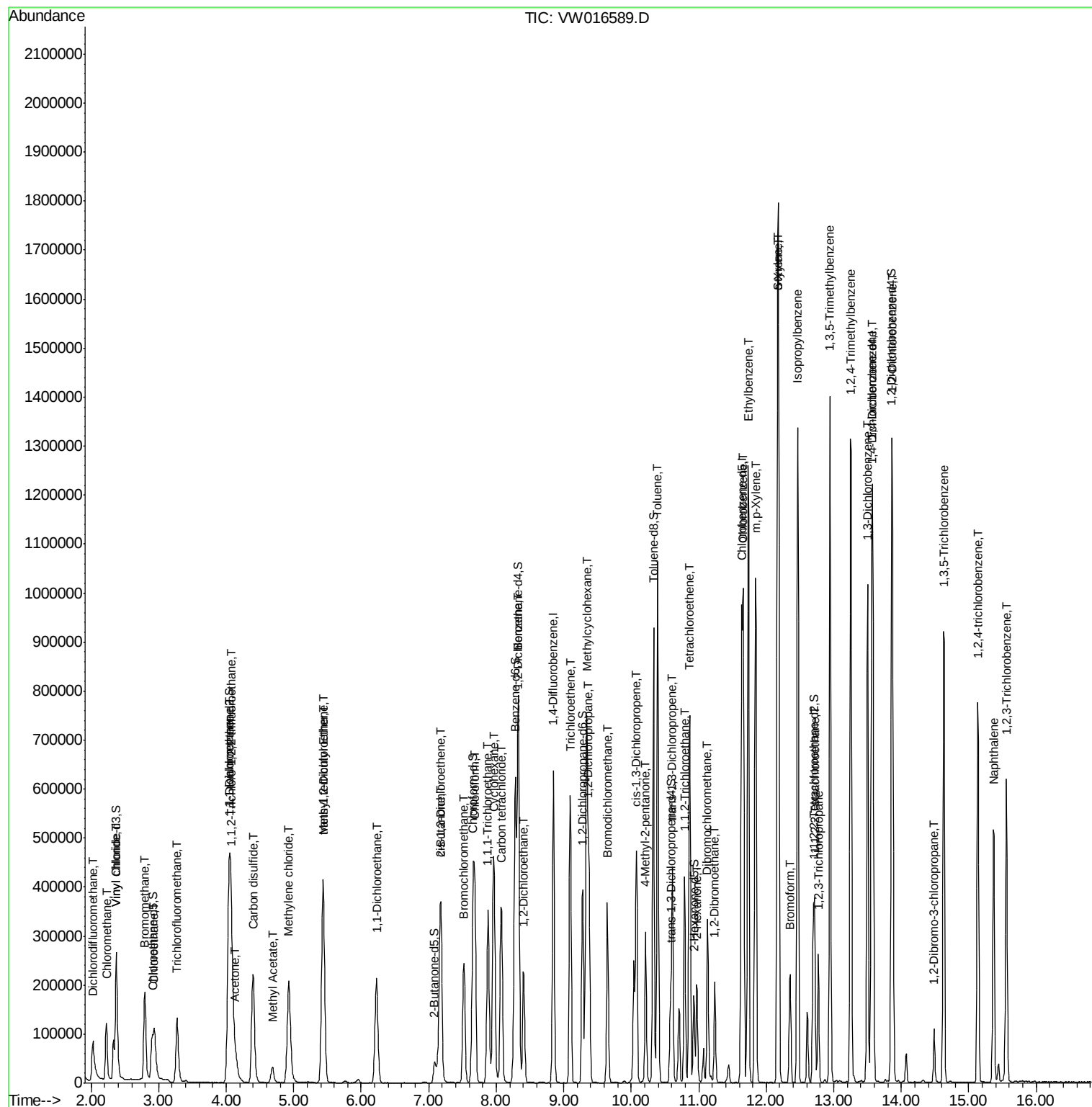
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	96857	26.500	ug/L	98
25) Chloroform	7.68	83	337308	26.026	ug/L	100
27) 1,2-Dichloroethane	8.40	62	210773	26.192	ug/L	100
29) Cyclohexane	7.96	56	262534	23.538	ug/L	100
30) 1,1,1-Trichloroethane	7.88	97	290442	24.399	ug/L	99
31) Carbon tetrachloride	8.07	117	281507	24.284	ug/L	100
33) Benzene	8.33	78	698424	25.236	ug/L	100
34) Trichloroethene	9.10	95	198169	24.962	ug/L	98
35) Methylcyclohexane	9.34	83	317950	23.977	ug/L	99
37) 1,2-Dichloropropane	9.37	63	163514	25.911	ug/L	99
38) Bromodichloromethane	9.65	83	246291	26.318	ug/L	99
39) cis-1,3-Dichloropropene	10.08	75	271527	25.207	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	183955	52.027	ug/L	100
42) Toluene	10.39	91	791988	25.401	ug/L	99
44) trans-1,3-Dichloropropene	10.61	75	236692	25.619	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	132780	25.906	ug/L	97
46) Tetrachloroethene	10.87	164	176612	24.663	ug/L	97
48) 2-Hexanone	10.97	43	121458	55.244	ug/L	98
49) Dibromochloromethane	11.13	129	178098	26.472	ug/L	96
50) 1,2-Dibromoethane	11.24	107	134927	26.580	ug/L	95
51) Chlorobenzene	11.66	112	520042	25.153	ug/L	99
52) Ethylbenzene	11.73	91	878137	25.014	ug/L	98
53) m,p-Xylene	11.84	106	344125	25.163	ug/L	95
54) o-Xylene	12.17	106	334305	25.827	ug/L	98
55) Styrene	12.18	104	554399	25.723	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.72	83	148617	26.931	ug/L	96
59) Bromoform	12.35	173	104982	25.950	ug/L	98
60) Isopropylbenzene	12.46	105	902257	24.660	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	106819	25.866	ug/L	100
62) 1,3,5-Trimethylbenzene	12.94	105	751601	24.963	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	749207	25.036	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	424532	25.283	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	416178	25.271	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	376334	25.333	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.49	75	25726	26.502	ug/L	95
69) 1,3,5-Trichlorobenzene	14.63	180	303131	24.458	ug/L	99
70) 1,2,4-trichlorobenzene	15.14	180	254868	25.463	ug/L	97
71) Naphthalene	15.37	128	465166	27.692	ug/L	99
72) 1,2,3-Trichlorobenzene	15.56	180	224699	26.736	ug/L	98

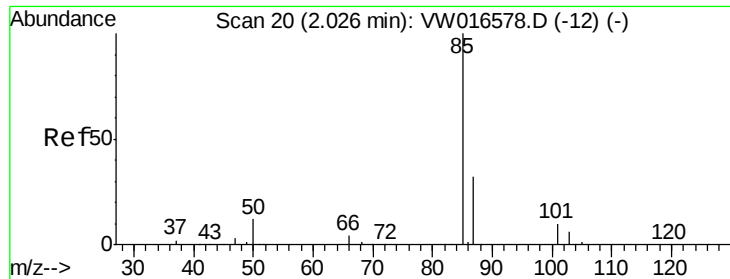
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.413 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

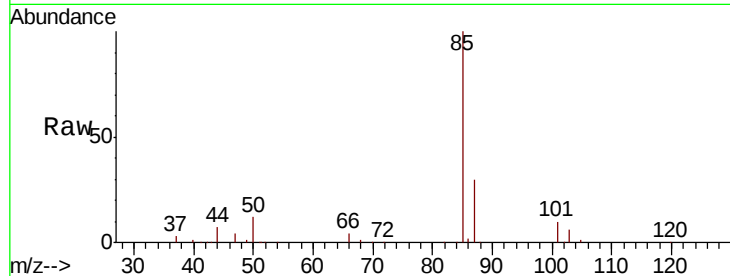
VSTD025108

Tot Ion: 85 Resp: 157775

Ion Ratio Lower Upper

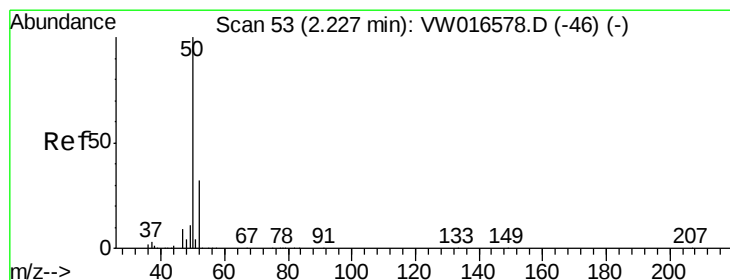
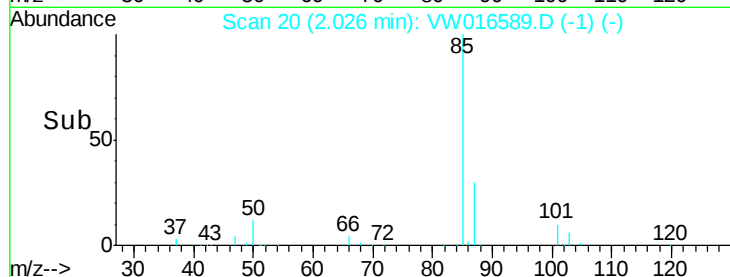
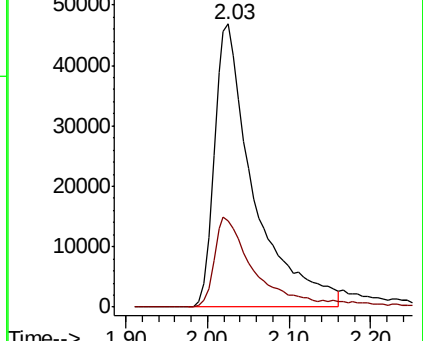
85 100

87 31.1 21.4 32.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.701 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.01 min

Lab File: VW016589.D

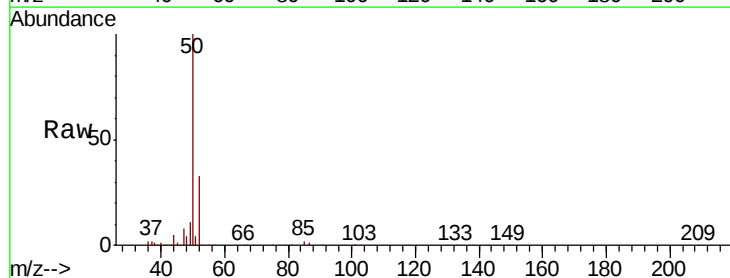
Acq: 18 Sep 2020 17:19

Tgt Ion: 50 Resp: 131914

Ion Ratio Lower Upper

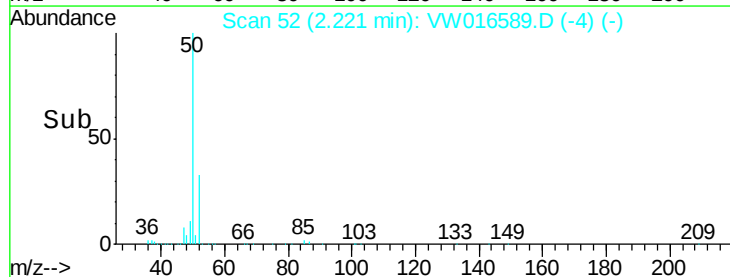
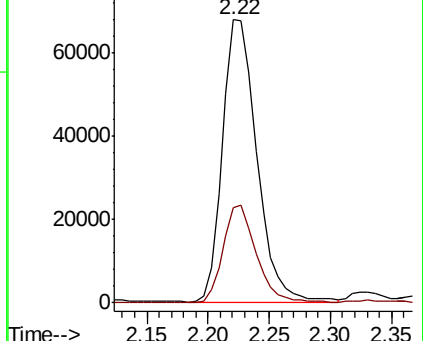
50 100

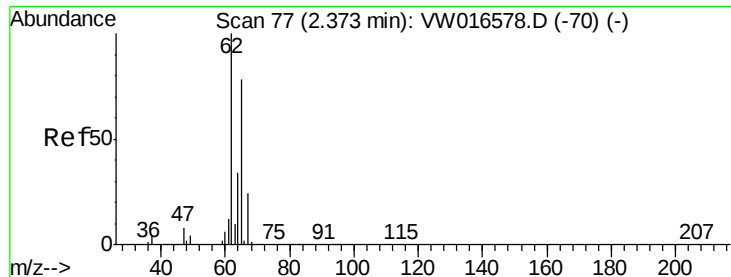
52 33.5 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.317 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

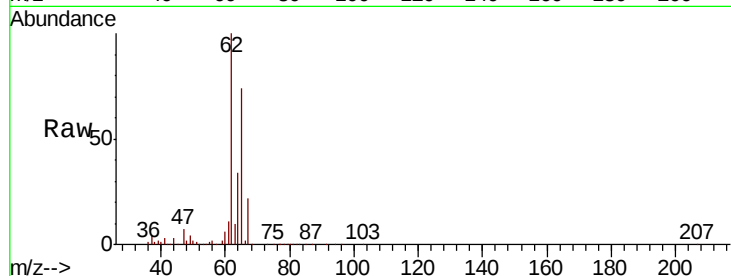
VSTD025108

Tot Ion: 62 Resp: 186152

Ion Ratio Lower Upper

62 100

64 33.6 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.37

100000

80000

60000

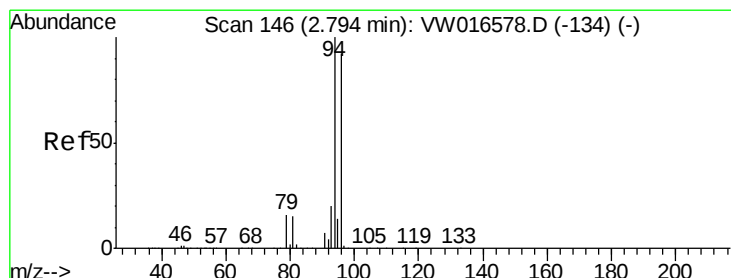
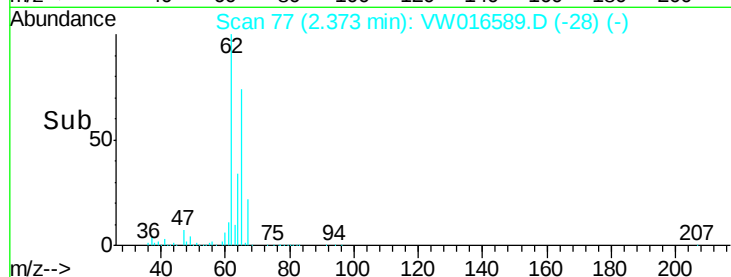
40000

20000

0

Time-->

2.30 2.35 2.40 2.45 2.50



#6

Bromomethane

Concen: 23.928 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016589.D

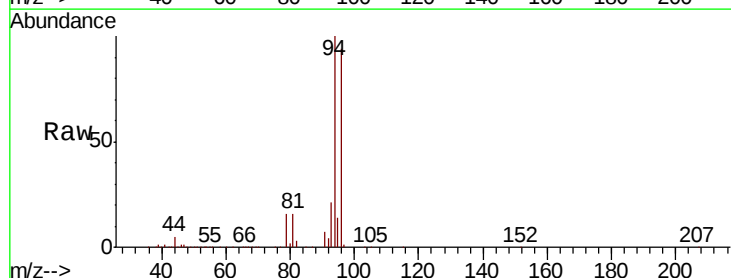
Acq: 18 Sep 2020 17:19

Tgt Ion: 94 Resp: 140715

Ion Ratio Lower Upper

94 100

96 94.0 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.79

60000

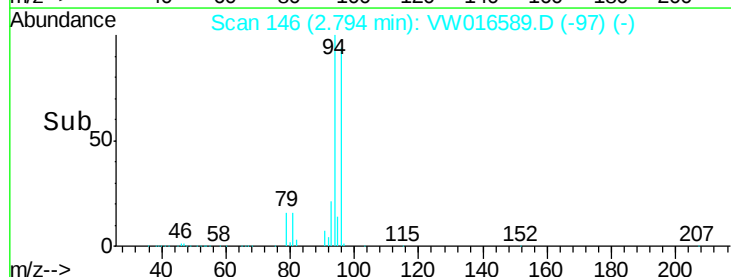
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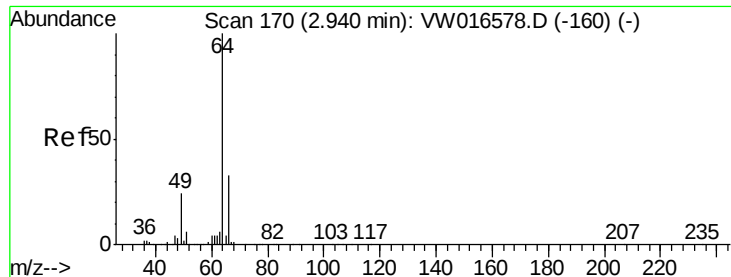
20000

0

Time-->

2.70 2.80 2.90





#8

Chloroethane

Concen: 24.846 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

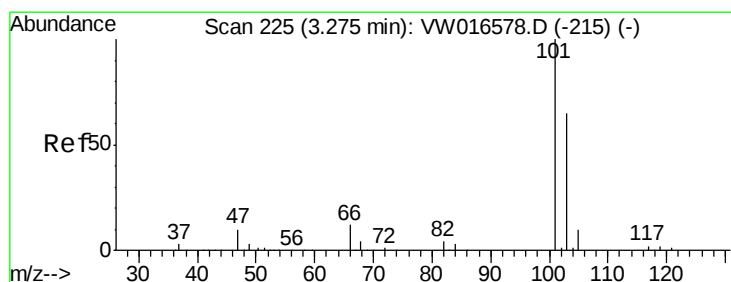
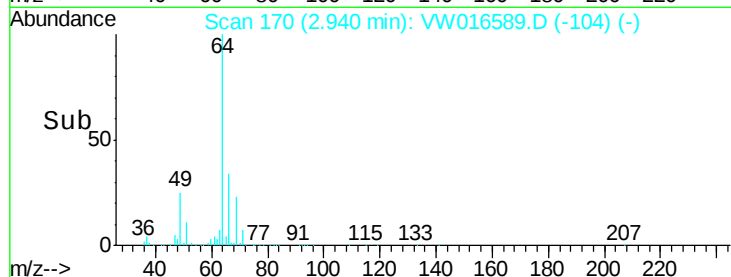
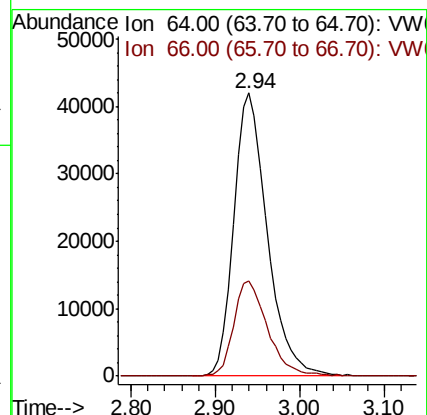
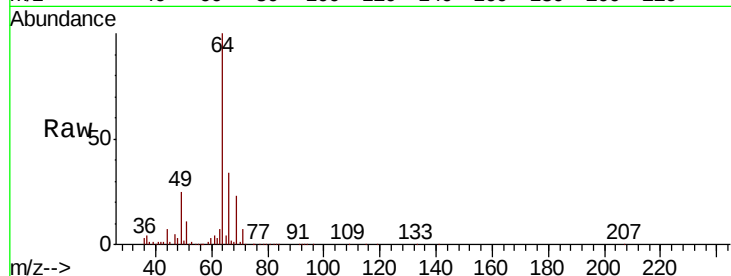
VSTD025108

Tot Ion: 64 Resp: 113063

Ion Ratio Lower Upper

64 100

66 33.7 23.5 43.7



#9

Trichlorofluoromethane

Concen: 21.521 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.00 min

Lab File: VW016589.D

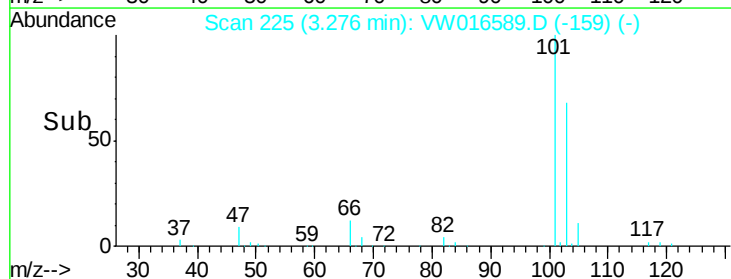
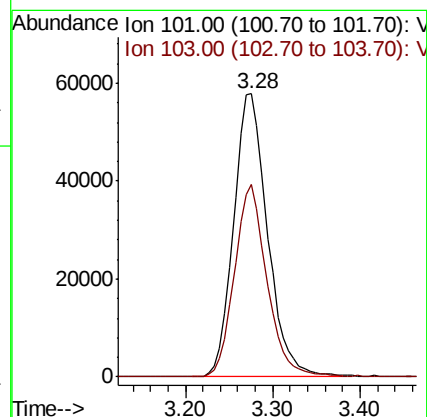
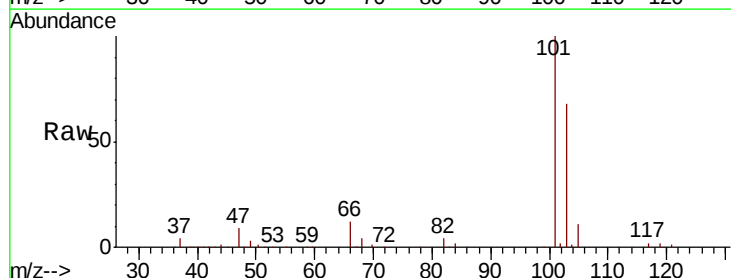
Acq: 18 Sep 2020 17:19

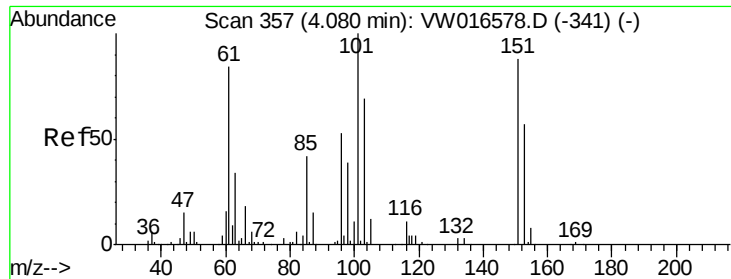
Tgt Ion: 101 Resp: 156259

Ion Ratio Lower Upper

101 100

103 65.2 51.8 77.8





#10

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

Concen: 24.650 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.00 min

Lab File: VW016589.D

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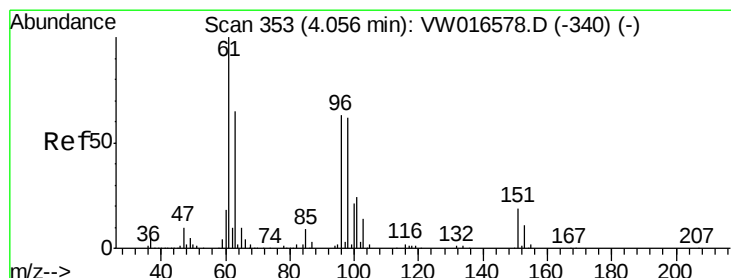
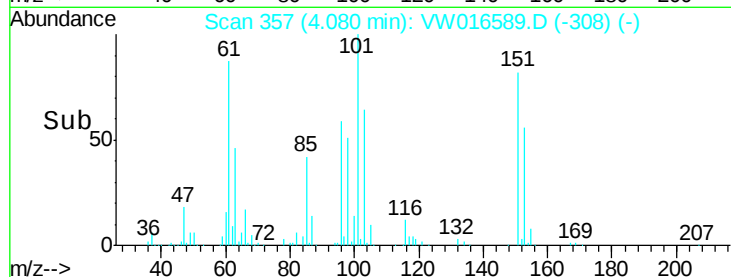
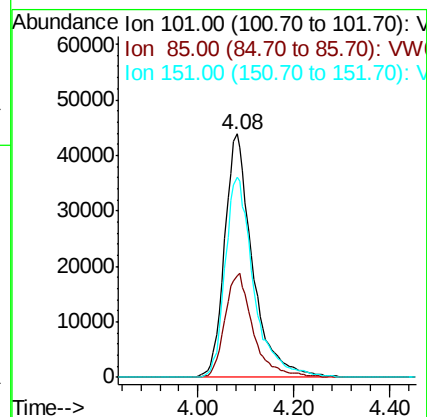
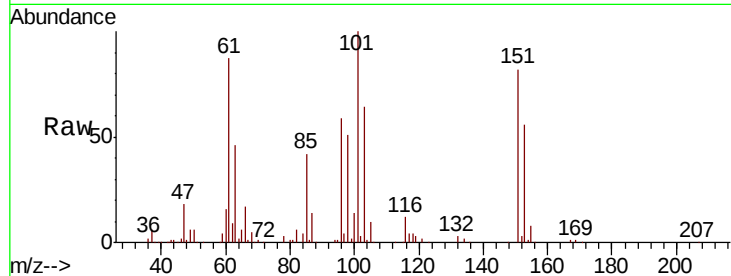
Tot Ion:101 Resp: 177661

Ion Ratio Lower Upper

101 100

85 42.2 32.2 48.2

151 83.9 66.8 100.2



#12

1,1-Dichloroethene

Concen: 24.380 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

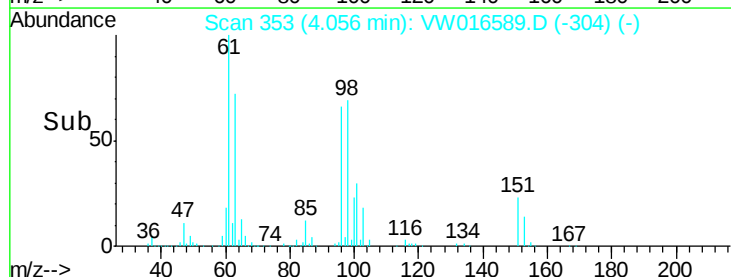
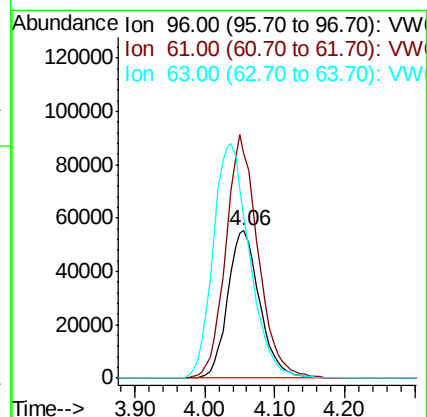
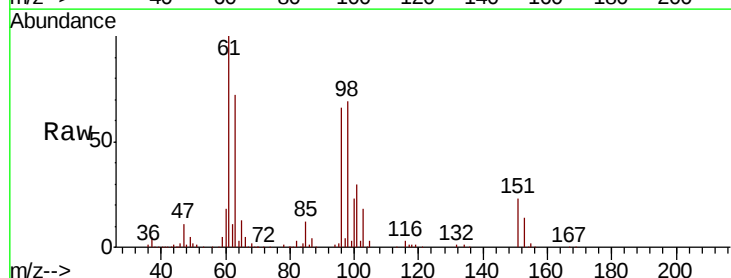
Tgt Ion: 96 Resp: 175752

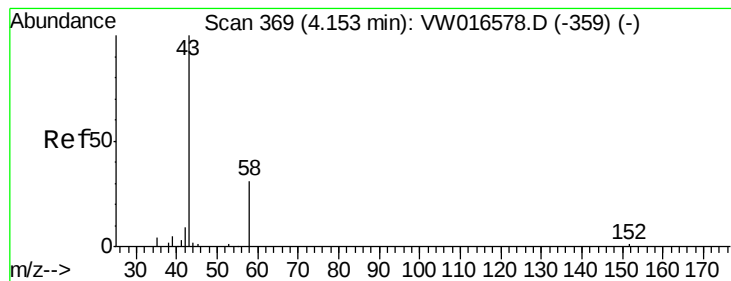
Ion Ratio Lower Upper

96 100

61 151.7 112.1 208.3

63 109.2 74.2 137.8





#13

Acetone

Concen: 53.126 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW016589.D

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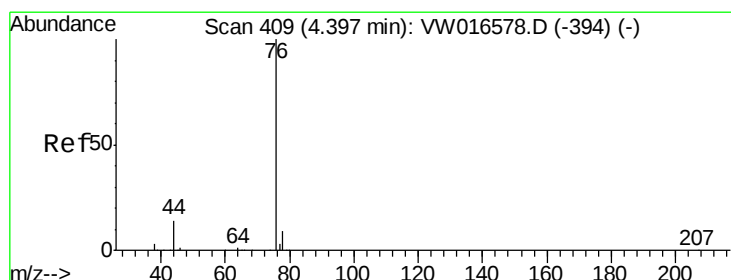
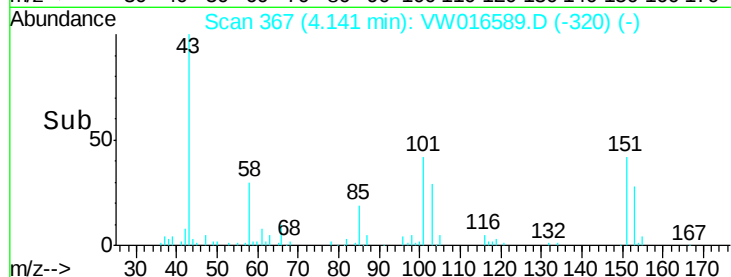
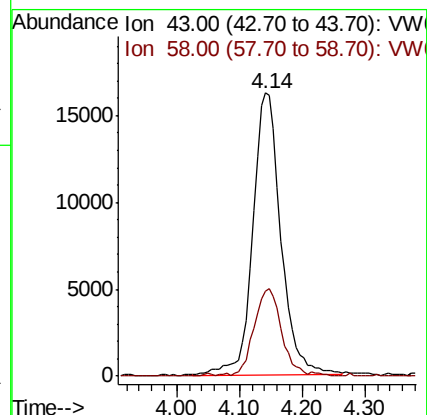
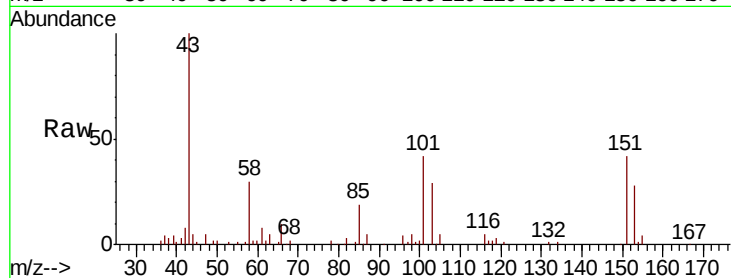
VSTD025108

Tot Ion: 43 Resp: 50598

Ion Ratio Lower Upper

43 100

58 29.9 0.0 59.4



#14

Carbon disulfide

Concen: 24.337 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.00 min

Lab File: VW016589.D

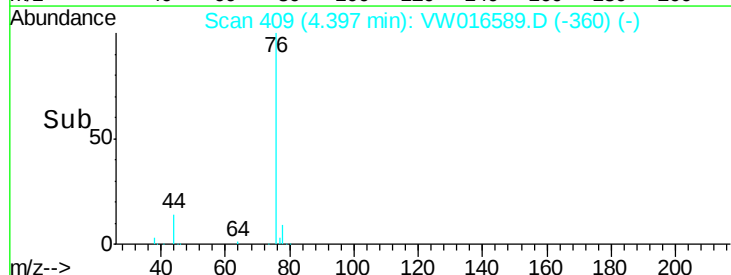
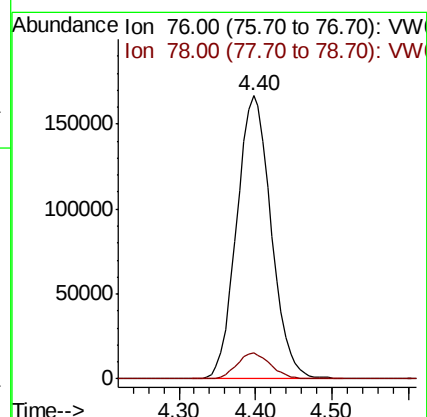
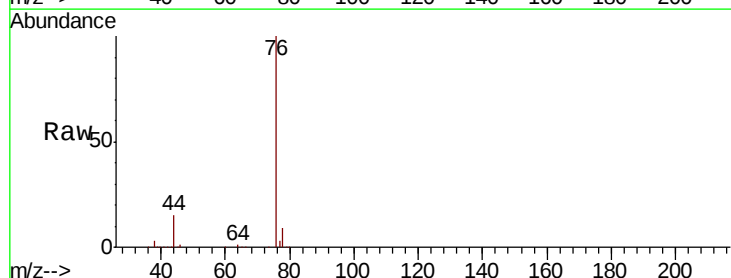
Acq: 18 Sep 2020 17:19

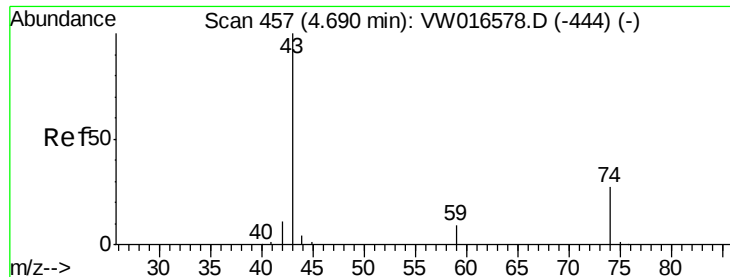
Tgt Ion: 76 Resp: 520974

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

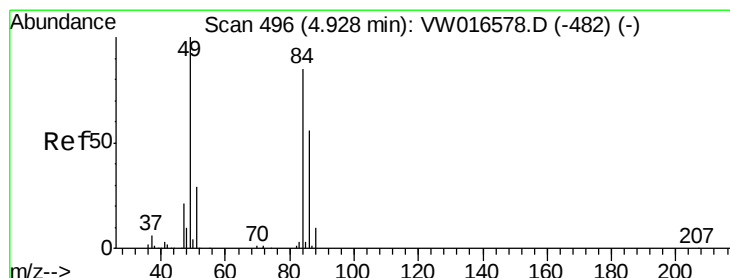
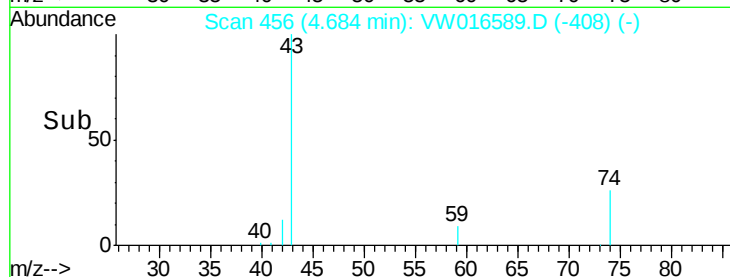
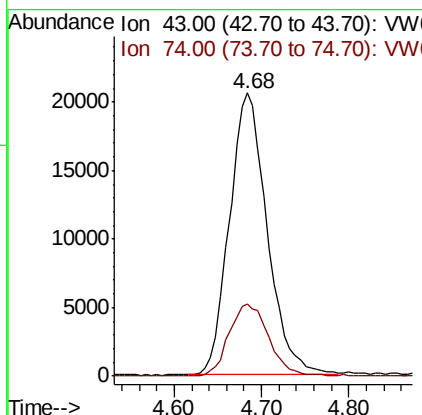
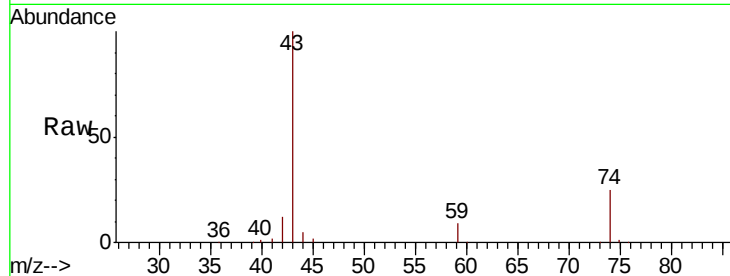




#15
Methyl Acetate
Concen: 26.433 ug/L
RT: 4.68 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

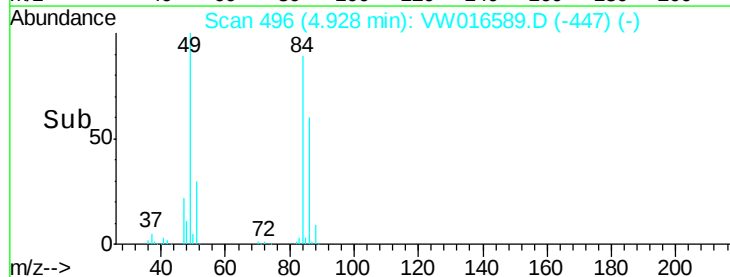
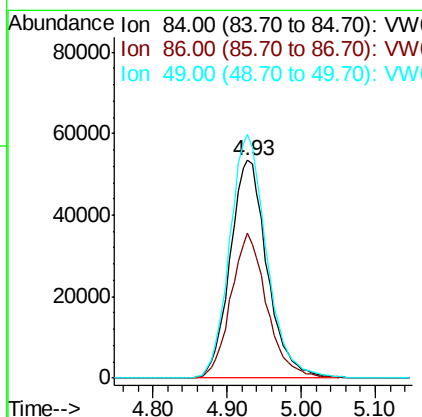
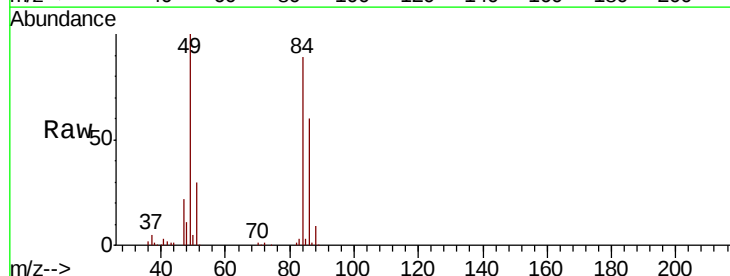
Instrument :
MSVOA_W
ClientSampleId :
VSTD025108

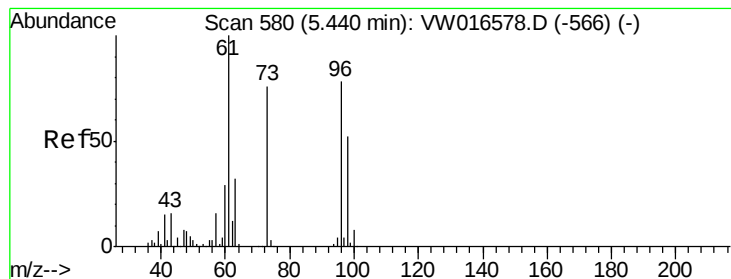
Tot Ion: 43 Resp: 61794
Ion Ratio Lower Upper
43 100
74 26.8 21.9 32.9



#16
Methylene chloride
Concen: 22.825 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

Tgt Ion: 84 Resp: 186946
Ion Ratio Lower Upper
84 100
86 66.6 46.2 85.8
49 111.8 82.8 153.8





#17

trans-1,2-Dichloroethene

Concen: 25.109 ug/L

RT: 5.44 min Scan# 580

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD025108

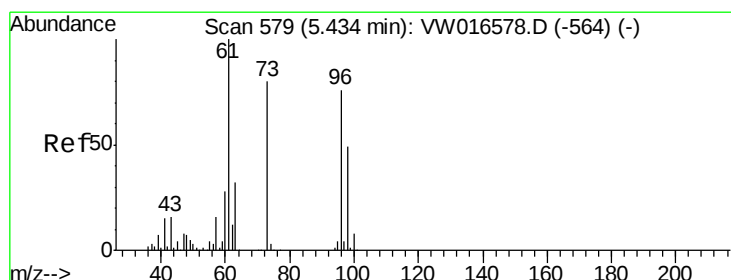
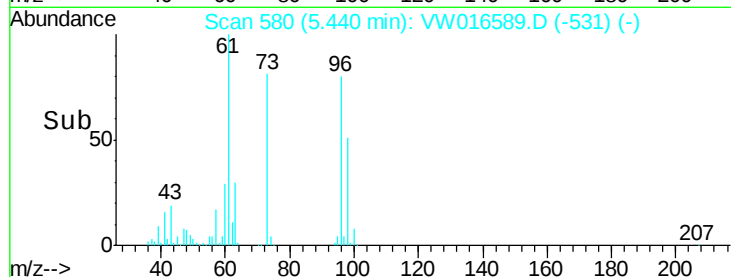
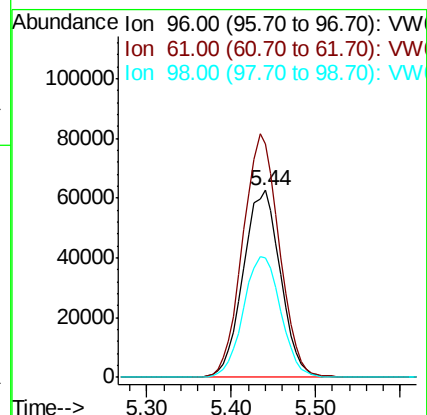
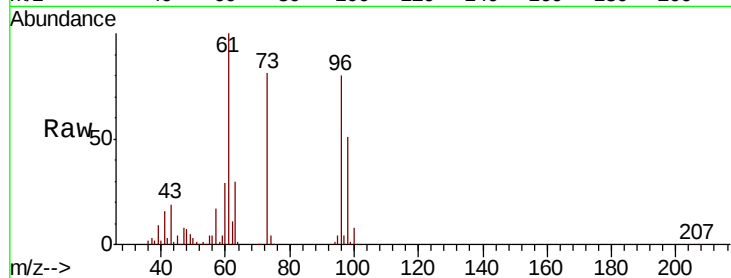
Tot Ion: 96 Resp: 187788

Ion Ratio Lower Upper

96 100

61 124.9 89.7 166.7

98 63.9 46.4 86.2



#18

Methyl tert-butyl Ether

Concen: 25.538 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

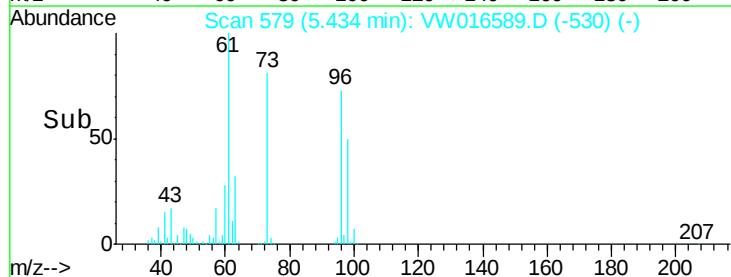
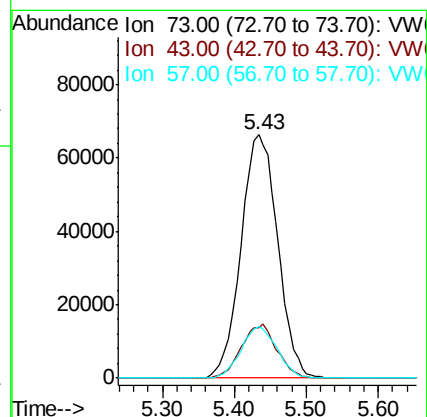
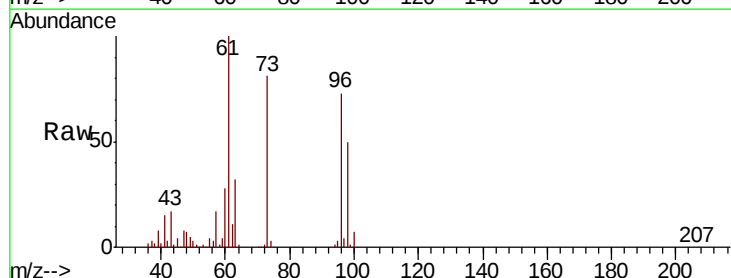
Tgt Ion: 73 Resp: 234611

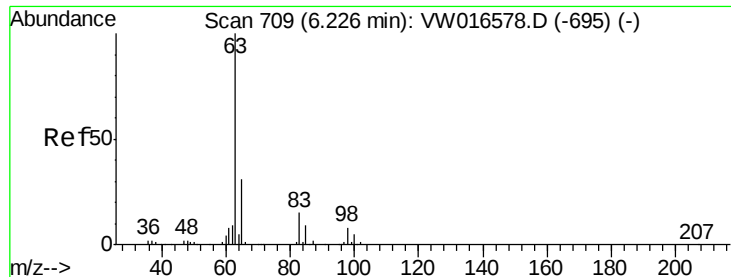
Ion Ratio Lower Upper

73 100

43 21.2 17.0 25.6

57 20.7 16.3 24.5

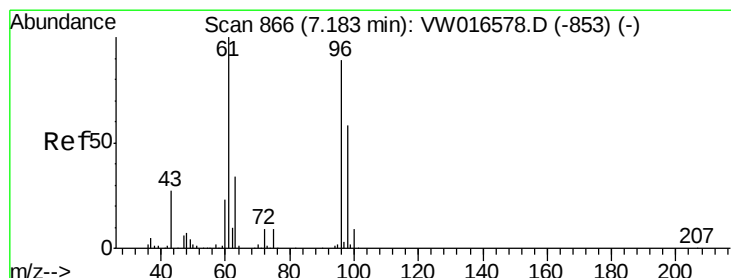
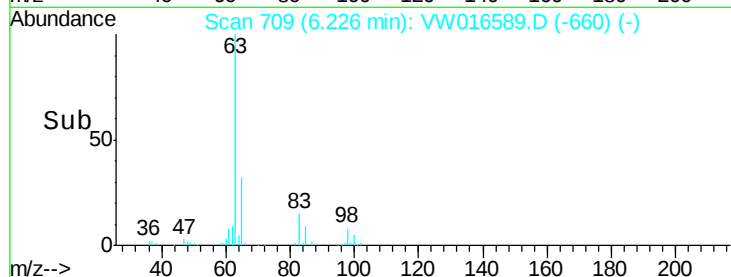
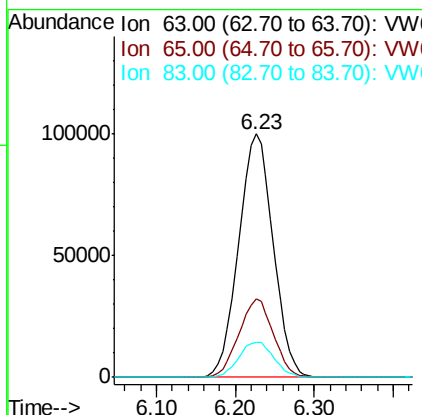
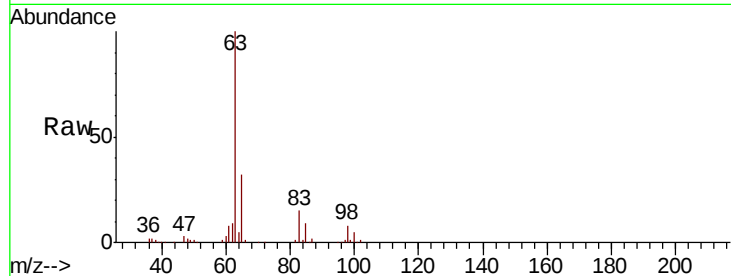




#19
 1,1-Dichloroethane
 Concen: 25.613 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VW016589.D
 Acq: 18 Sep 2020 17:19

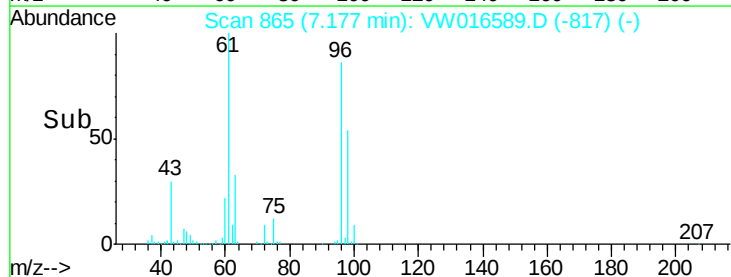
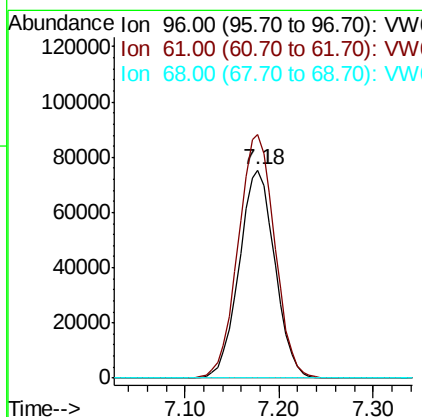
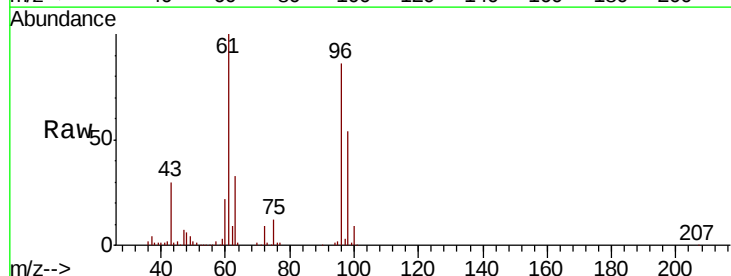
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025108

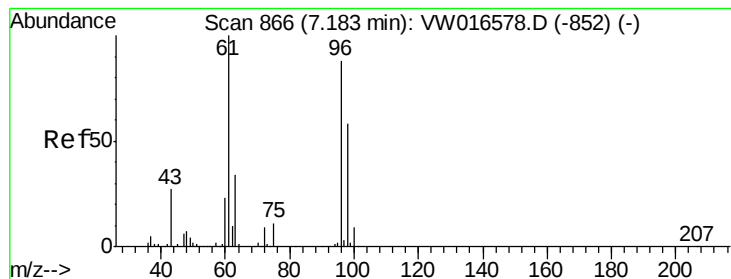
Tot Ion:	63	Resp:	303436
Ion	Ratio	Lower	Upper
63	100		
65	32.3	21.8	40.6
83	14.6	10.2	19.0



#20
 cis-1,2-Dichloroethene
 Concen: 25.575 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VW016589.D
 Acq: 18 Sep 2020 17:19

Tgt Ion:	96	Resp:	198817
Ion	Ratio	Lower	Upper
96	100		
61	116.9	79.2	147.0
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 48.920 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

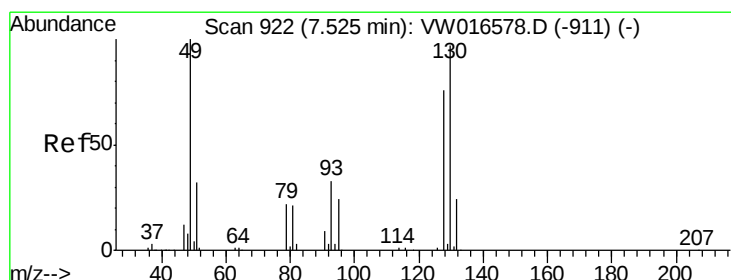
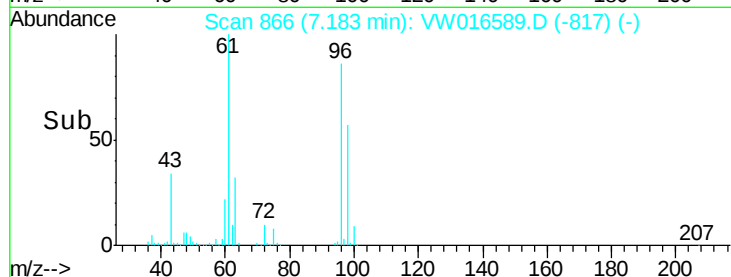
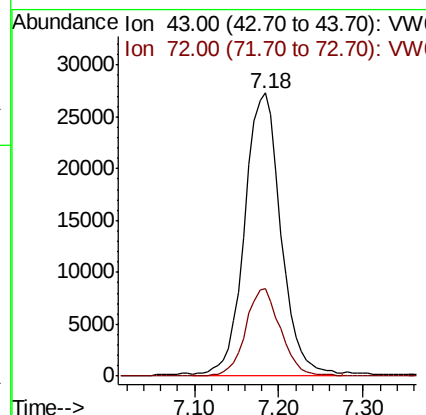
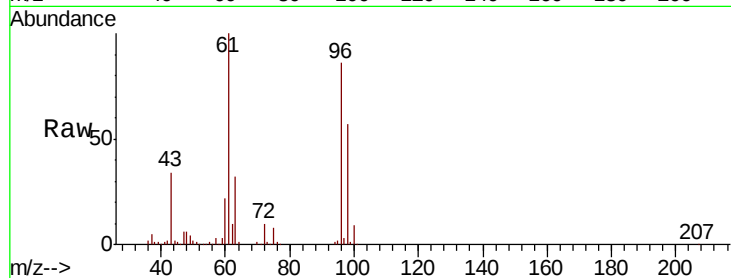
VSTD025108

Tot Ion: 43 Resp: 79216

Ion Ratio Lower Upper

43 100

72 29.9 15.7 47.0



#23

Bromochloromethane

Concen: 26.500 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.01 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Tgt Ion: 128 Resp: 96857

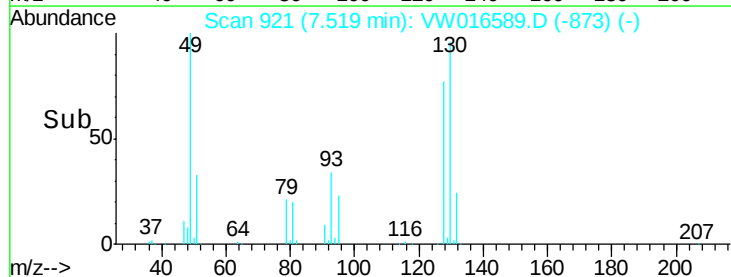
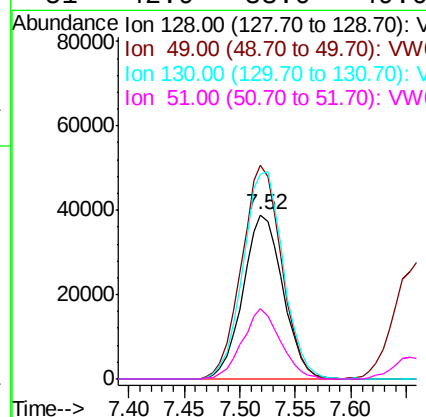
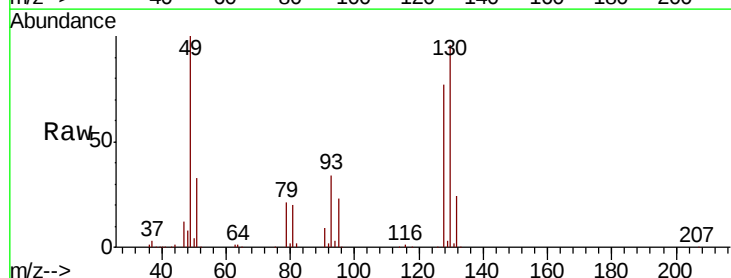
Ion Ratio Lower Upper

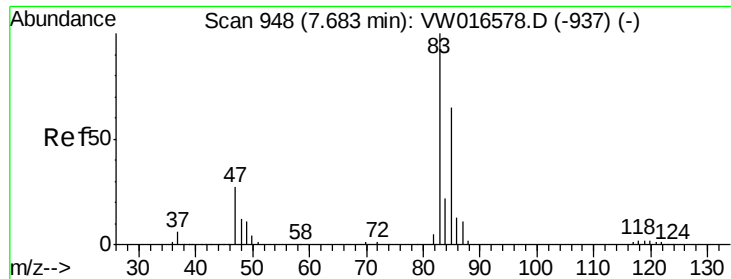
128 100

49 130.0 91.5 169.9

130 124.3 89.0 165.4

51 42.9 33.0 49.6

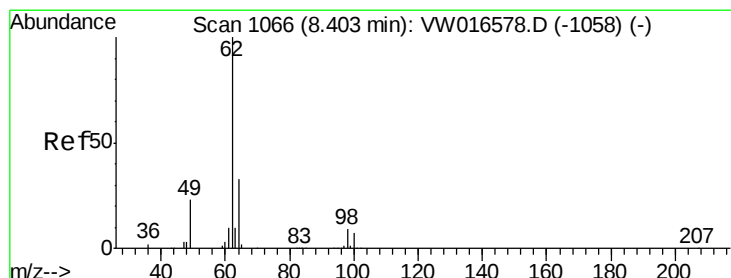
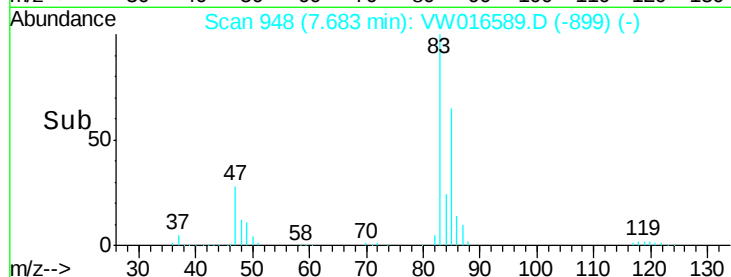
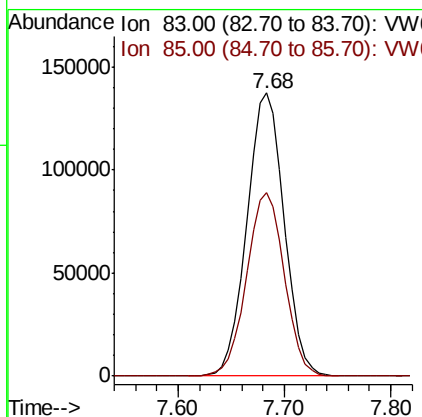
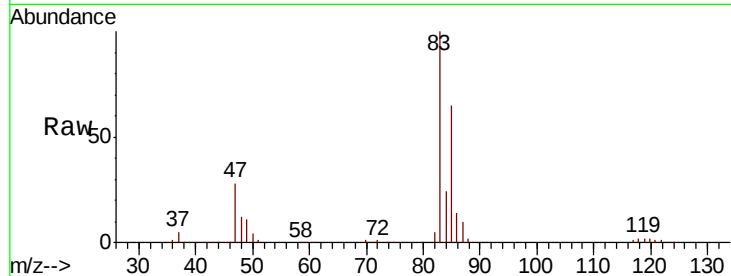




#25
Chloroform
Concen: 26.026 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

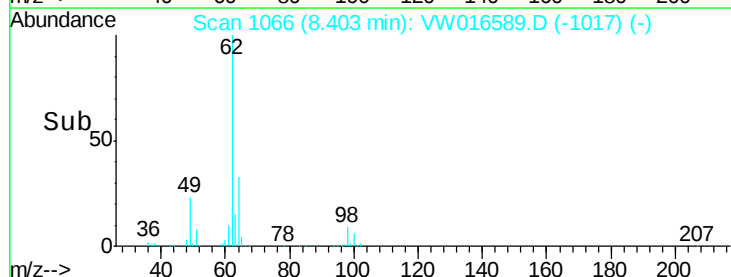
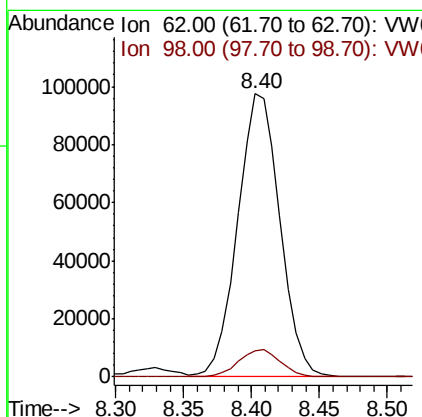
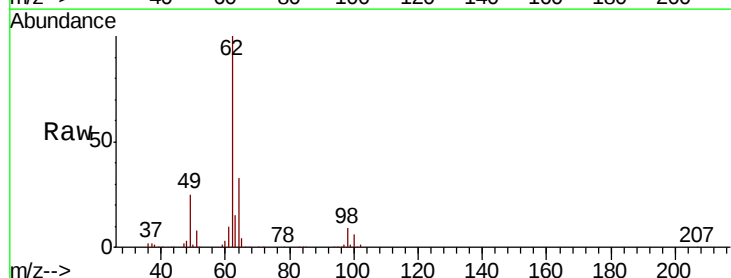
Instrument :
MSVOA_W
ClientSampleId :
VSTD025108

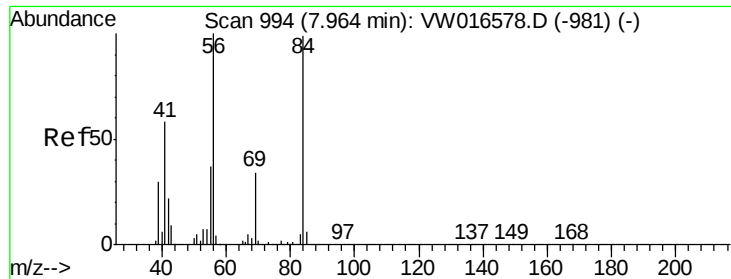
Tot Ion: 83 Resp: 337308
Ion Ratio Lower Upper
83 100
85 65.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 26.192 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

Tgt Ion: 62 Resp: 210773
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9

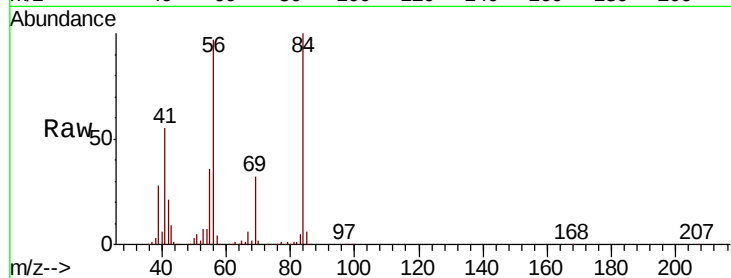




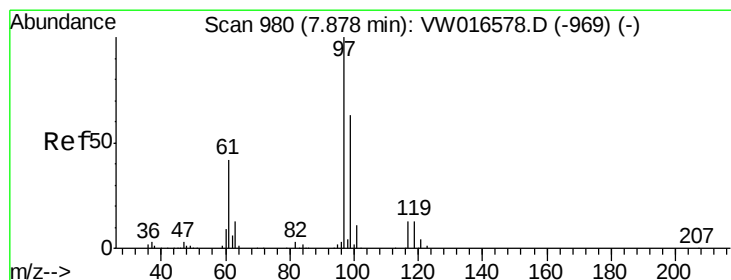
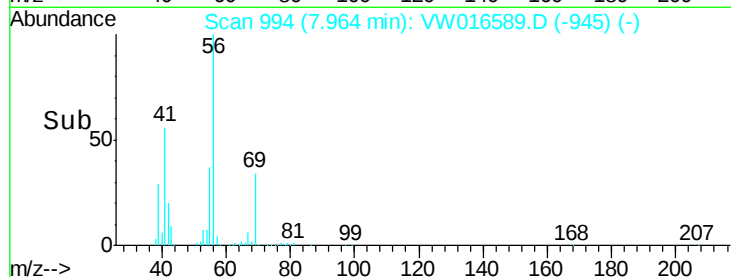
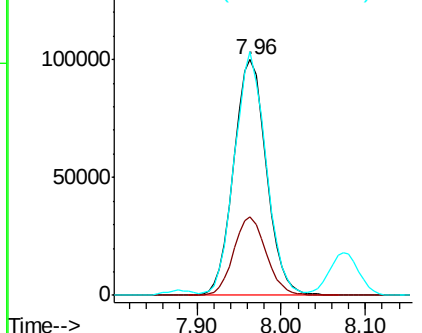
#29
Cvclohexane
Concen: 23.538 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.00 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

Instrument :
MSVOA_W
ClientSampled :
VSTD025108

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.4	39.6
84	99.9	79.9	119.9

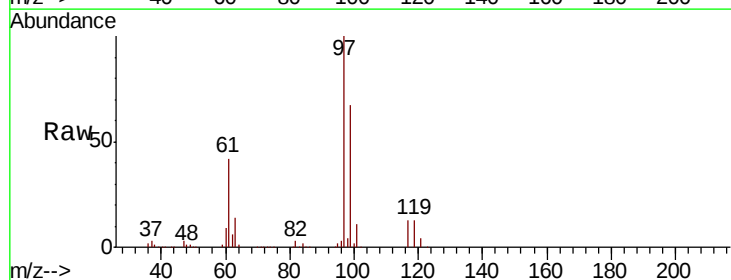


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

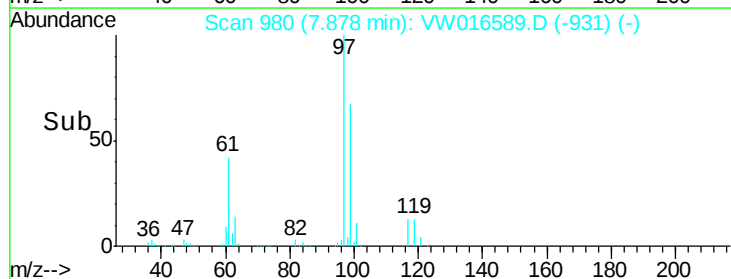
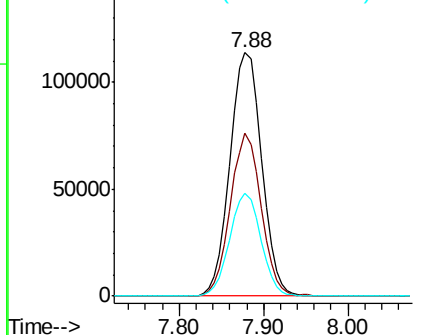


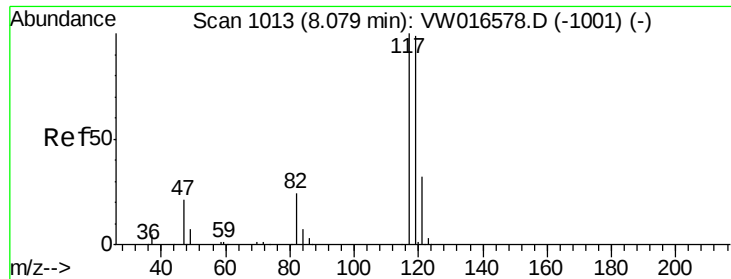
#30
1,1,1-Trichloroethane
Concen: 24.399 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.9	76.3
61	41.6	33.2	49.8



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.05 (60.75 to 61.75): VW

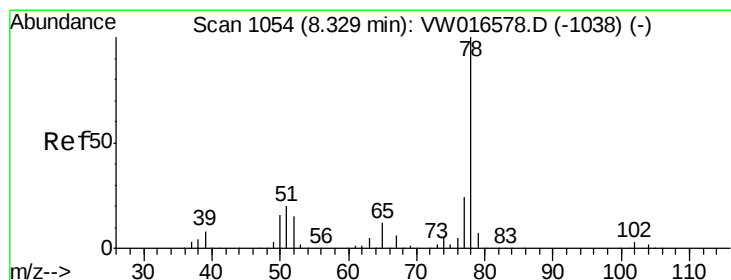
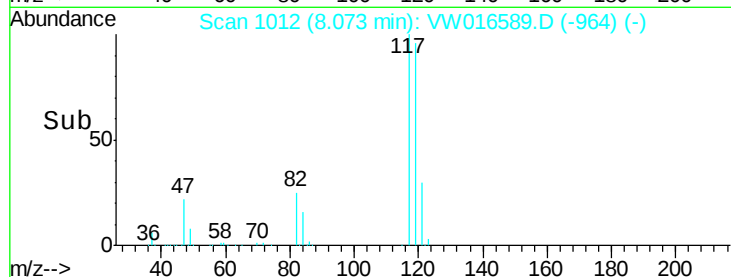
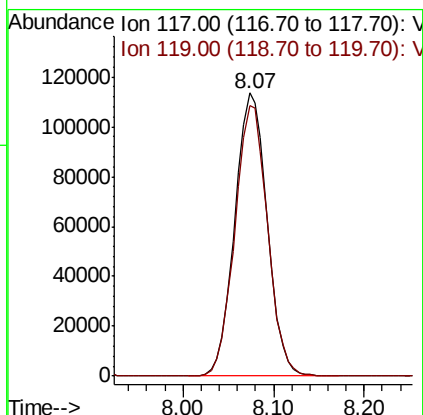
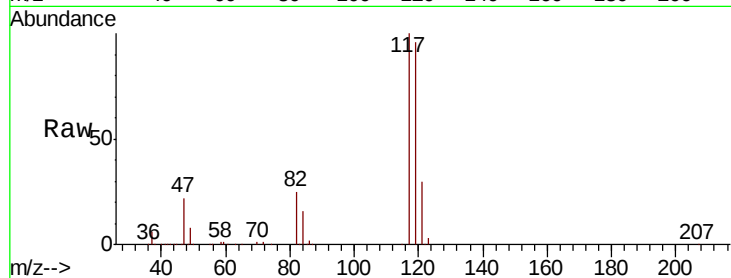




#31
Carbon tetrachloride
Concen: 24.284 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

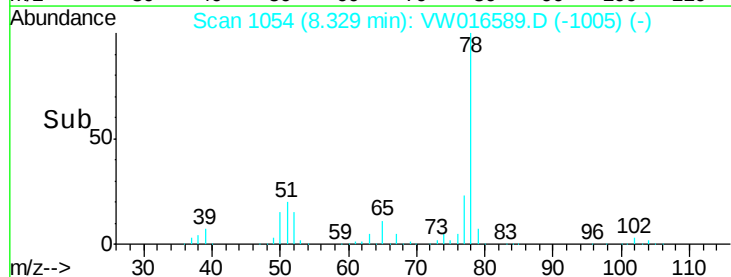
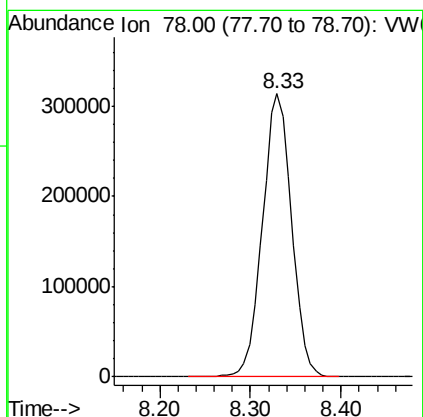
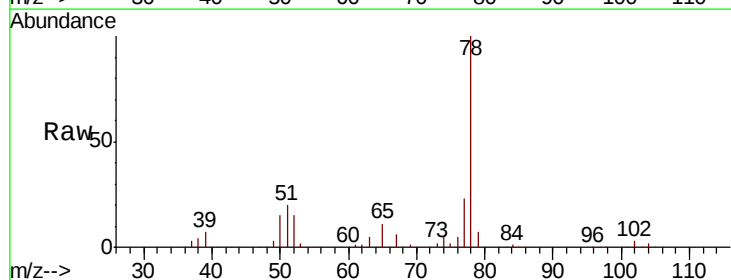
Instrument :
MSVOA_W
ClientSampleId :
VSTD025108

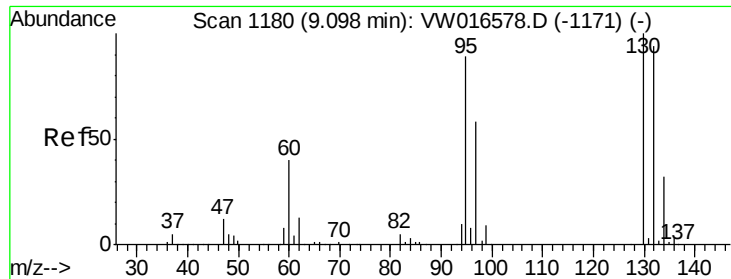
Tot Ion:117 Resp: 281507
Ion Ratio Lower Upper
117 100
119 96.4 76.7 115.1



#33
Benzene
Concen: 25.236 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

Tgt Ion: 78 Resp: 698424

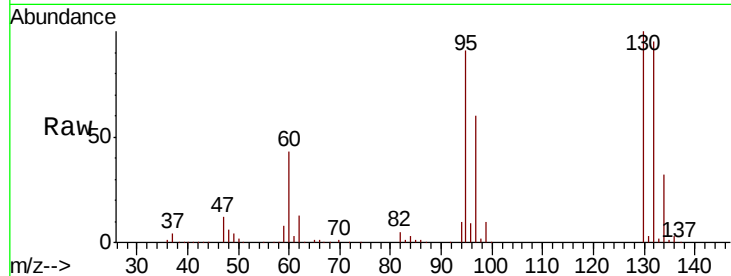




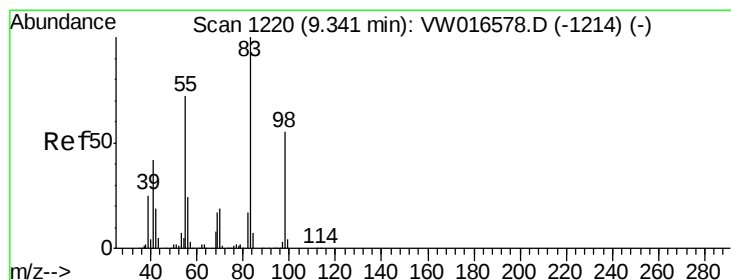
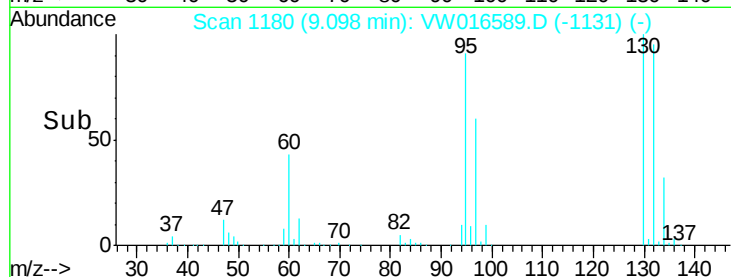
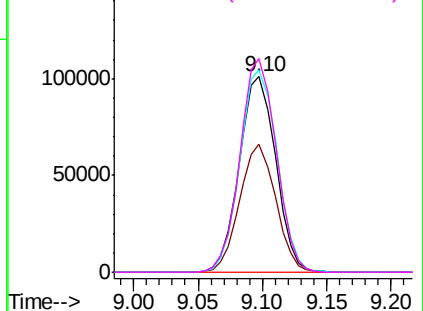
#34
 Trichloroethene
 Concen: 24.962 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW016589.D
 Acq: 18 Sep 2020 17:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025108

Tot Ion: 95 Resp: 198169
 Ion Ratio Lower Upper
 95 100
 97 65.3 45.1 83.9
 132 103.7 73.8 137.2
 130 109.4 78.3 145.5

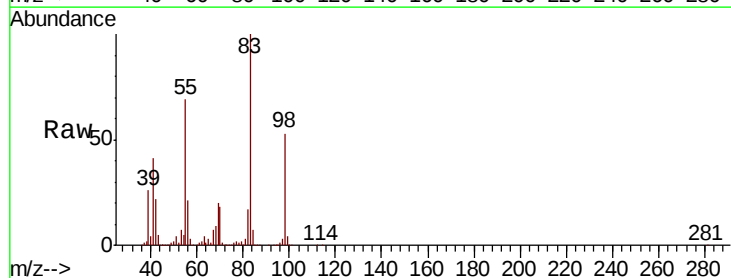


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

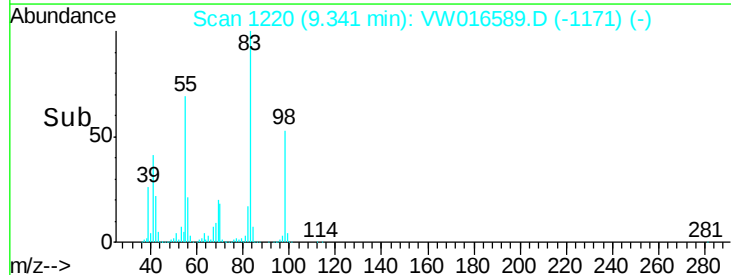
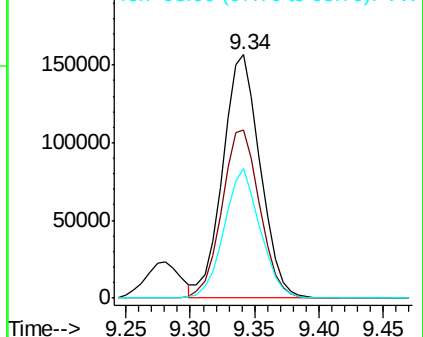


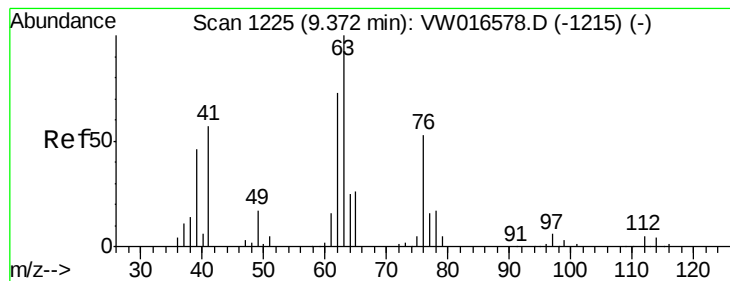
#35
 Methylcyclohexane
 Concen: 23.977 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VW016589.D
 Acq: 18 Sep 2020 17:19

Tgt Ion: 83 Resp: 317950
 Ion Ratio Lower Upper
 83 100
 55 69.8 55.9 83.9
 98 51.1 41.5 62.3



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





#37

1,2-Dichloropropane

Concen: 25.911 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

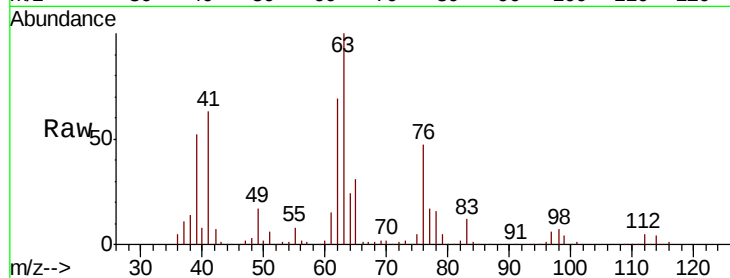
VSTD025108

Tot Ion: 63 Resp: 163514

Ion Ratio Lower Upper

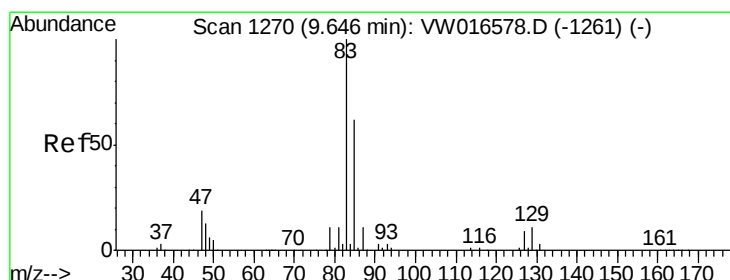
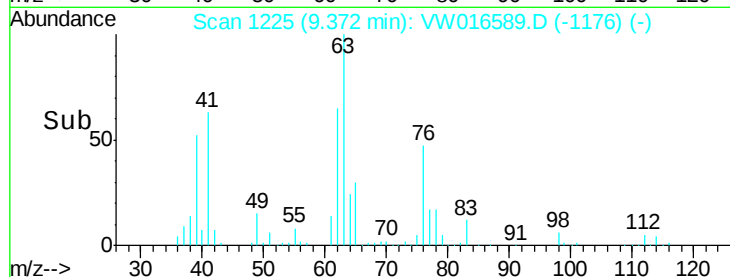
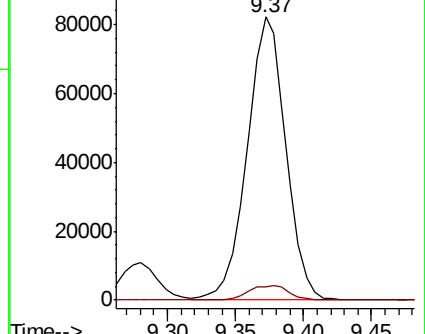
63 100

112 5.6 4.2 6.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 26.318 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

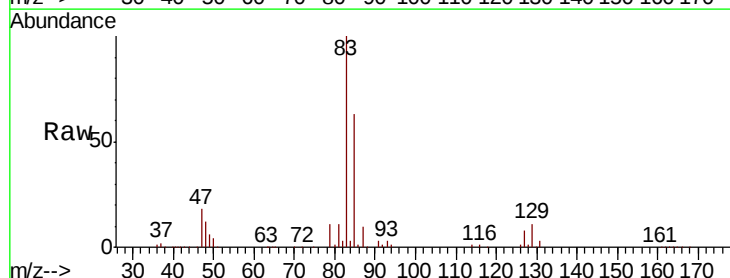
Tgt Ion: 83 Resp: 246291

Ion Ratio Lower Upper

83 100

85 63.3 43.7 81.1

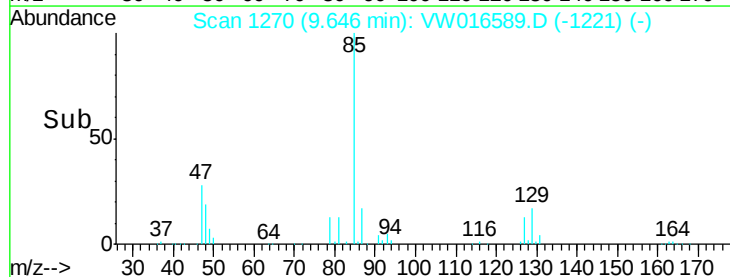
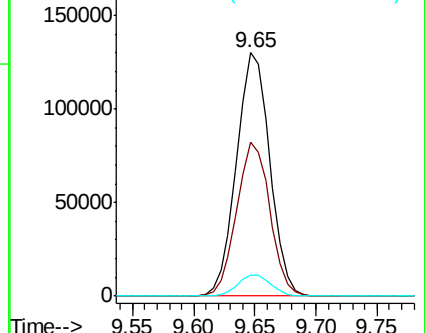
127 8.4 7.4 11.2

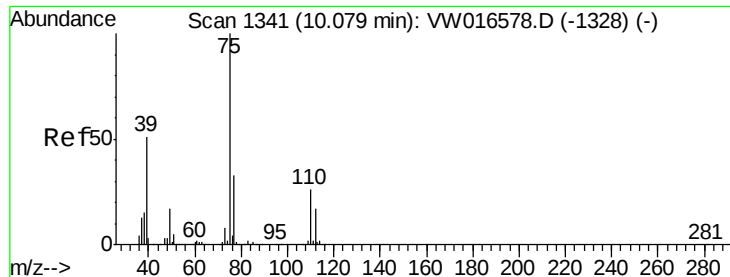


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#39

cis-1,3-Dichloropropene

Concen: 25.207 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

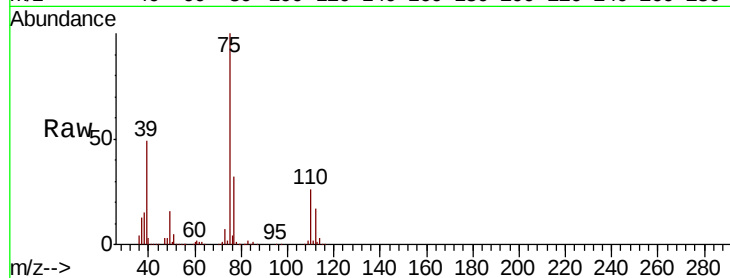
VSTD025108

Tot Ion: 75 Resp: 271527

Ion Ratio Lower Upper

75 100

77 32.3 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.08

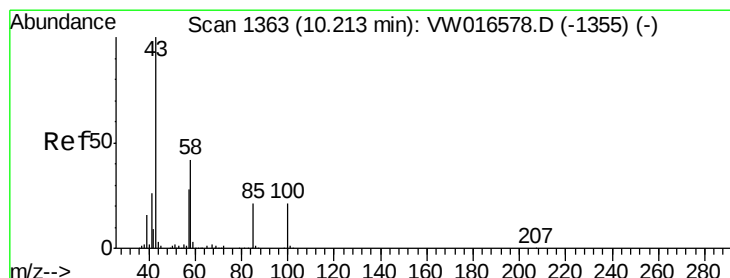
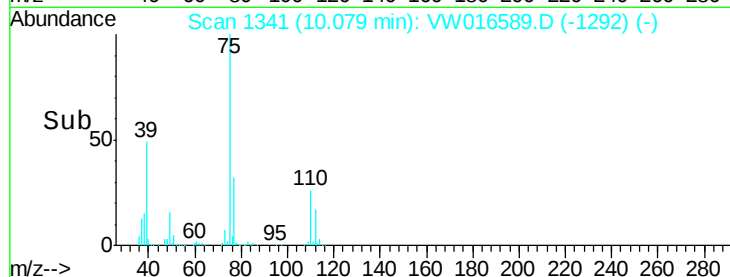
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 52.027 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

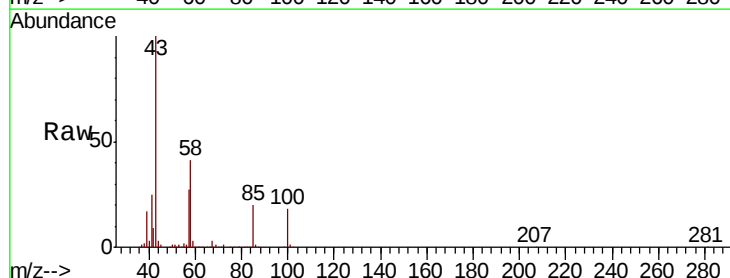
Tgt Ion: 43 Resp: 183955

Ion Ratio Lower Upper

43 100

58 41.2 33.0 49.4

100 19.4 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

300000

250000

200000

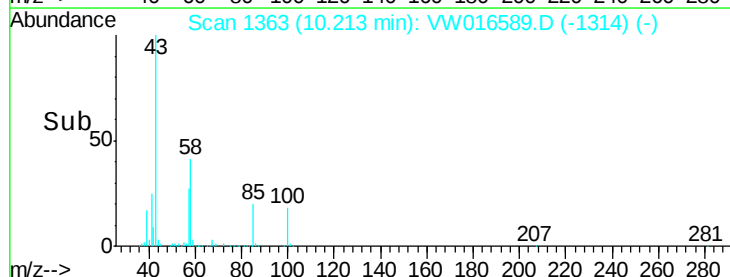
150000

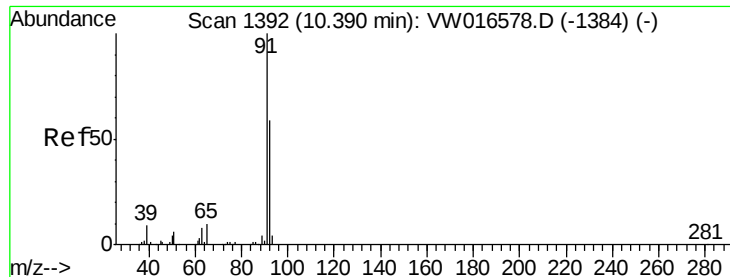
100000

50000

0

Time-->





#42

Toluene

Concen: 25.401 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

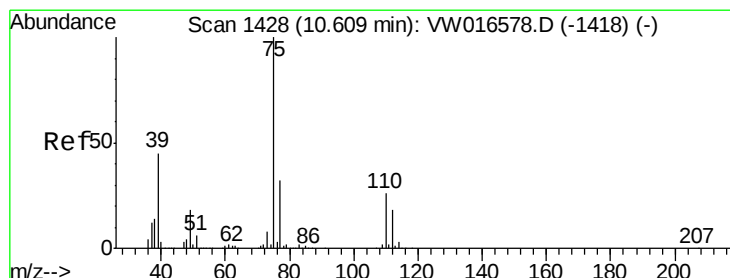
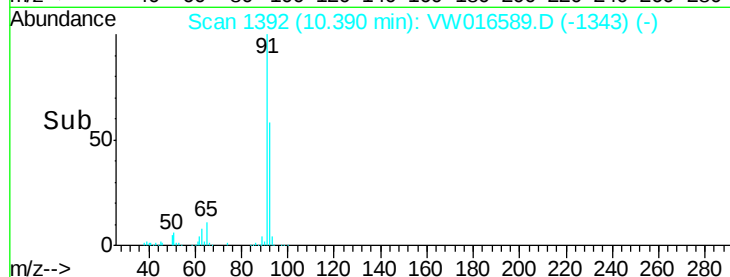
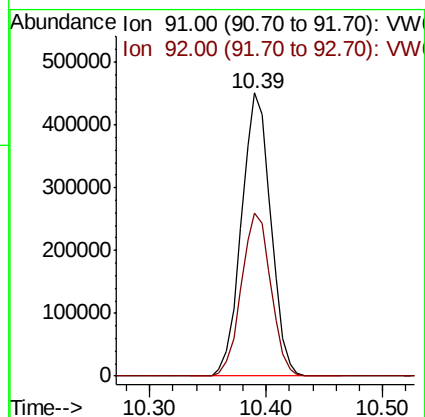
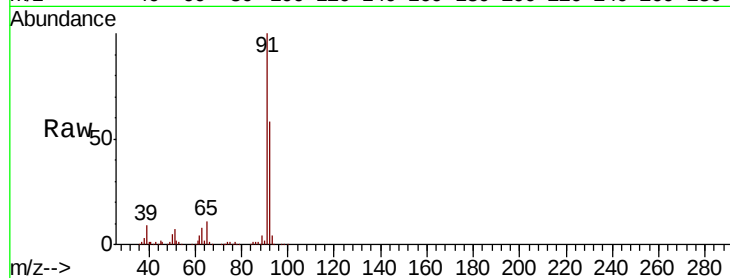
VSTD025108

Tot Ion: 91 Resp: 791988

Ion Ratio Lower Upper

91 100

92 57.7 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 25.619 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016589.D

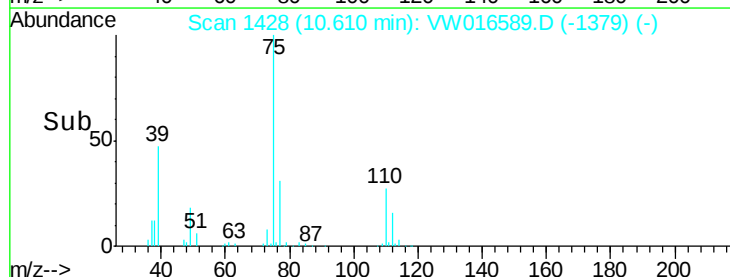
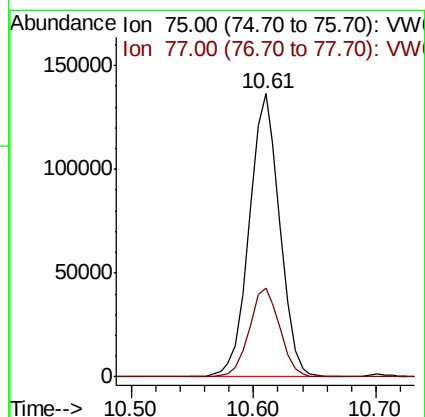
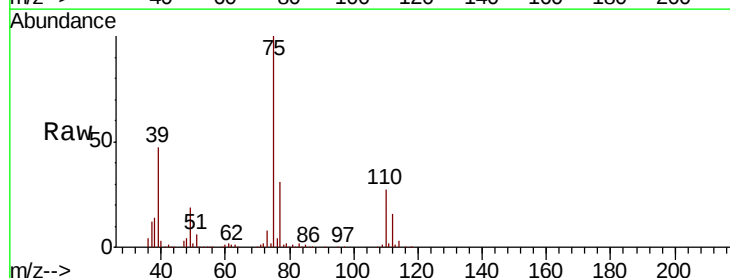
Acq: 18 Sep 2020 17:19

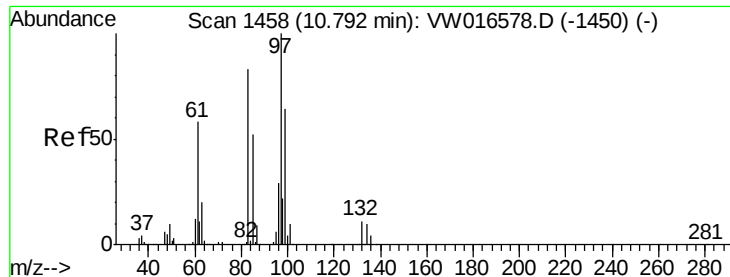
Tgt Ion: 75 Resp: 236692

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 25.906 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD025108

Tot Ion: 97 Resp: 132780

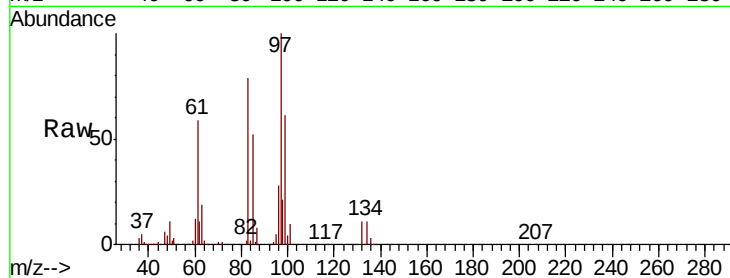
Ion Ratio Lower Upper

97 100

99 60.6 44.5 82.7

83 78.7 58.4 108.4

85 52.4 36.8 68.3

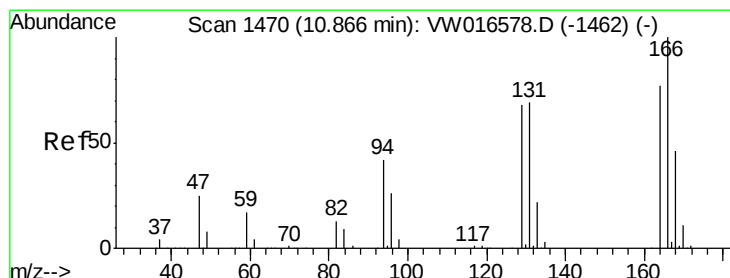
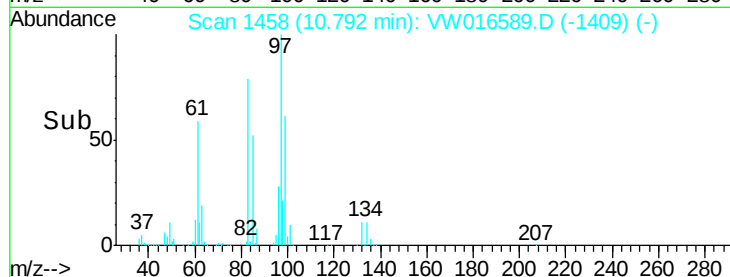
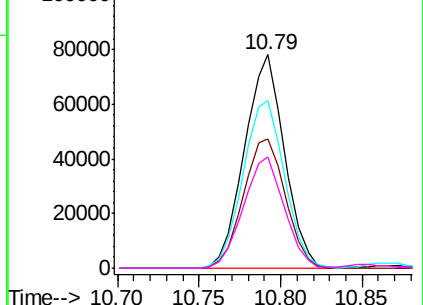


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 24.663 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Tgt Ion: 164 Resp: 176612

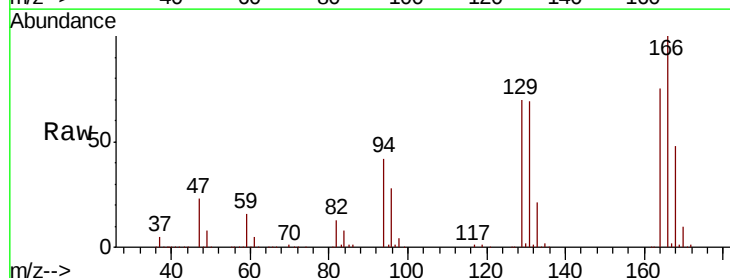
Ion Ratio Lower Upper

164 100

129 92.4 61.4 114.0

131 91.3 62.8 116.6

166 132.8 90.8 168.6

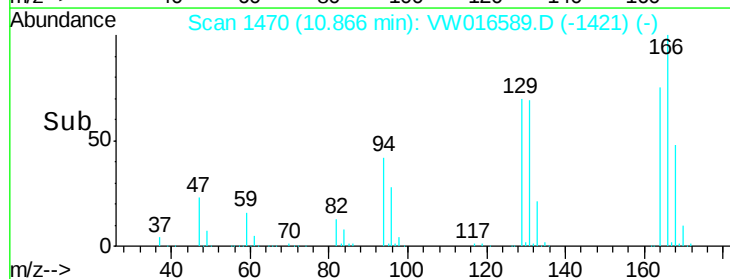
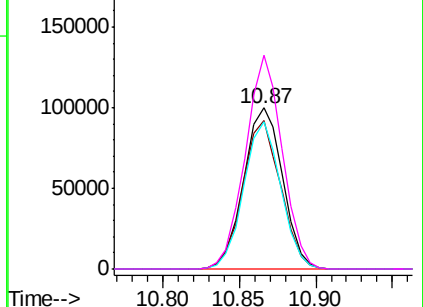


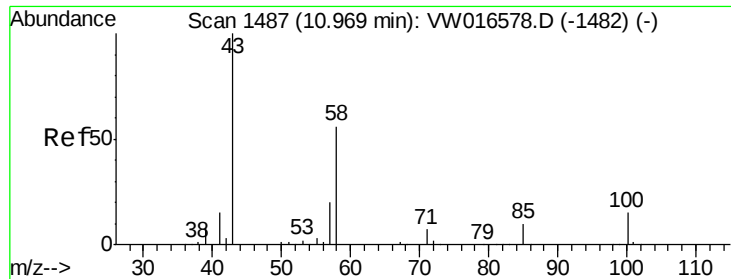
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

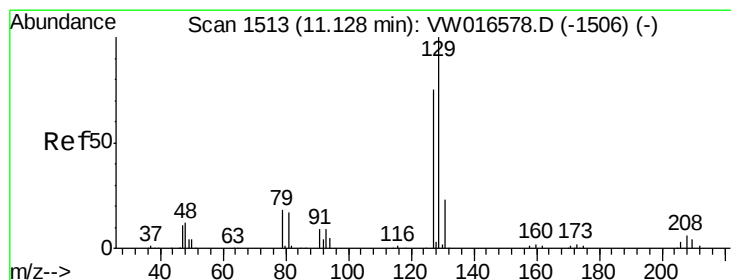
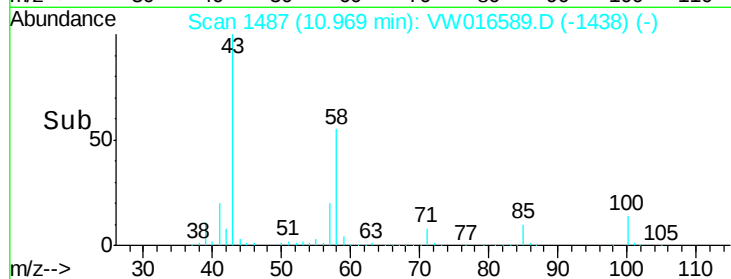
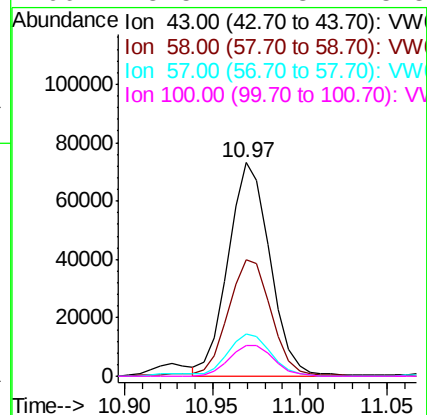
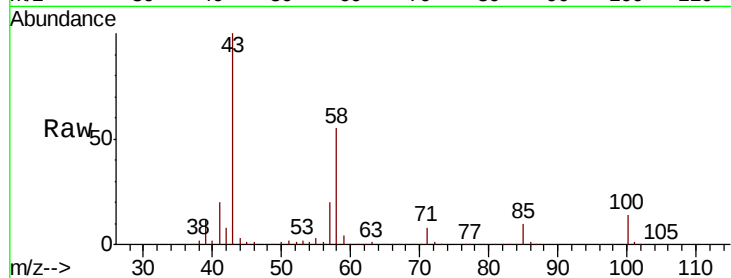




#48
2-Hexanone
Concen: 55.244 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

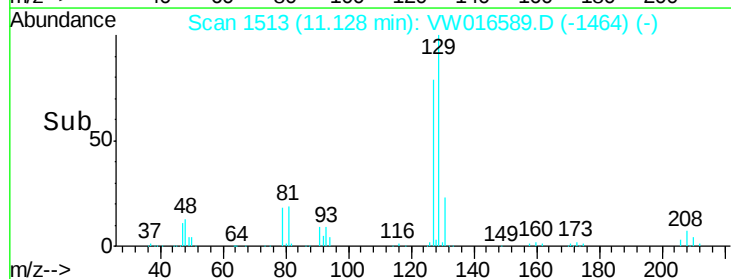
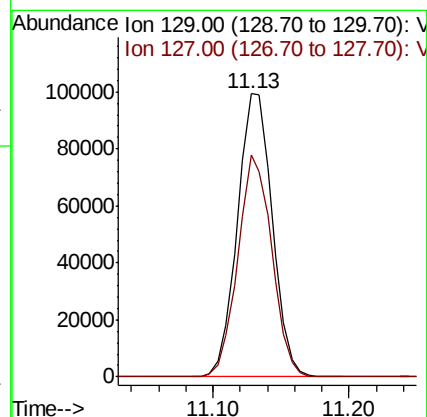
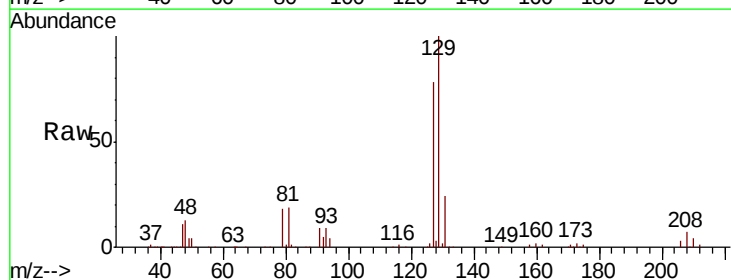
Instrument :
MSVOA_W
ClientSampleId :
VSTD025108

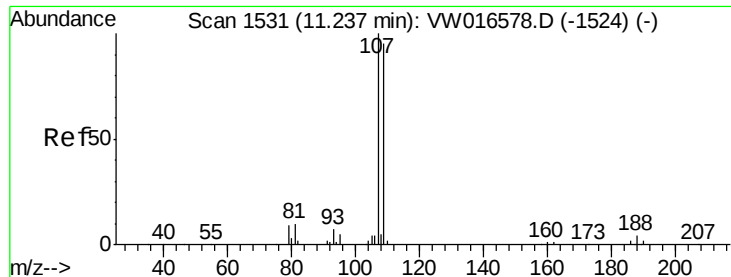
Tot Ion: 43 Resp: 121458
Ion Ratio Lower Upper
43 100
58 56.0 45.9 68.9
57 20.1 16.6 24.8
100 15.5 12.3 18.5



#49
Dibromochloromethane
Concen: 26.472 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

Tgt Ion: 129 Resp: 178098
Ion Ratio Lower Upper
129 100
127 78.5 52.5 97.5

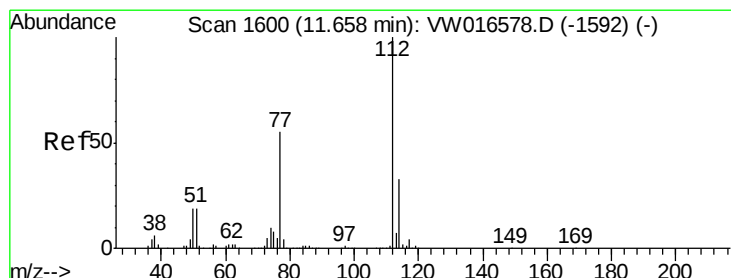
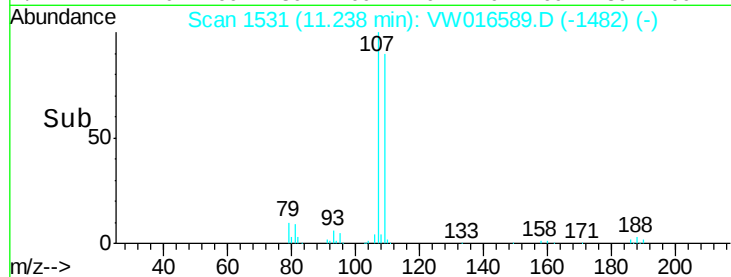
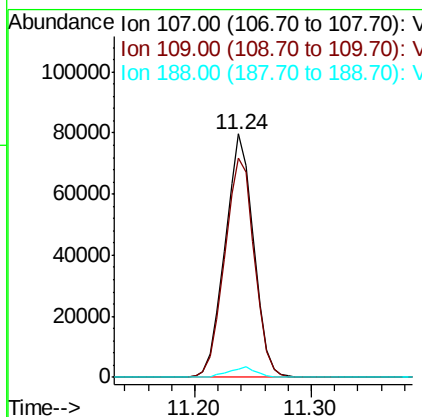
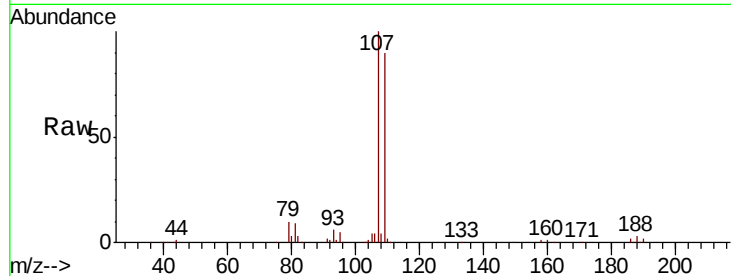




#50
1,2-Dibromoethane
Concen: 26.580 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

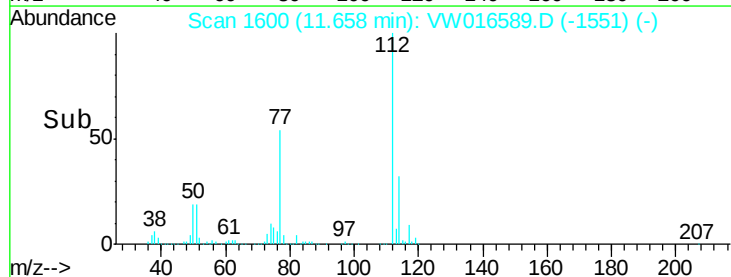
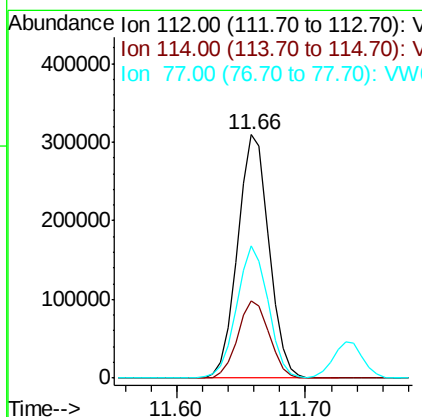
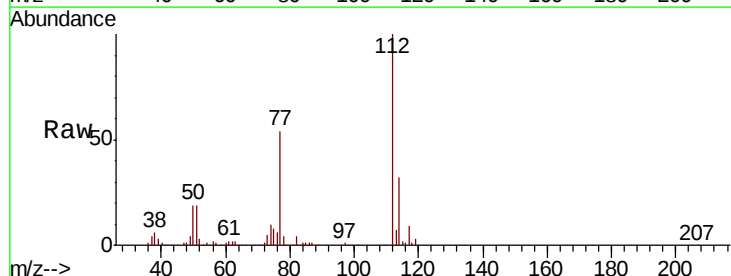
Instrument :
MSVOA_W
ClientSampleId :
VSTD025108

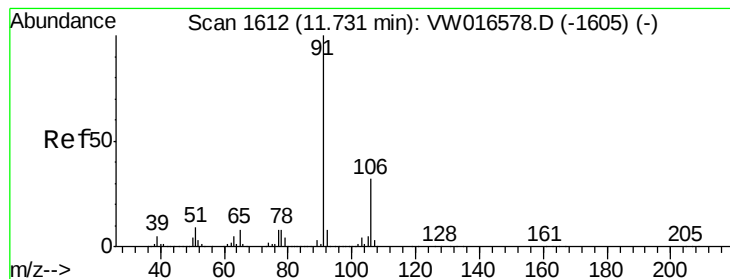
Tot Ion:107 Resp: 134927
Ion Ratio Lower Upper
107 100
109 90.1 66.2 123.0
188 3.4 3.3 4.9



#51
Chlorobenzene
Concen: 25.153 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

Tgt Ion:112 Resp: 520042
Ion Ratio Lower Upper
112 100
114 31.5 22.9 42.5
77 54.4 43.8 65.8





#52

Ethylbenzene

Concen: 25.014 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

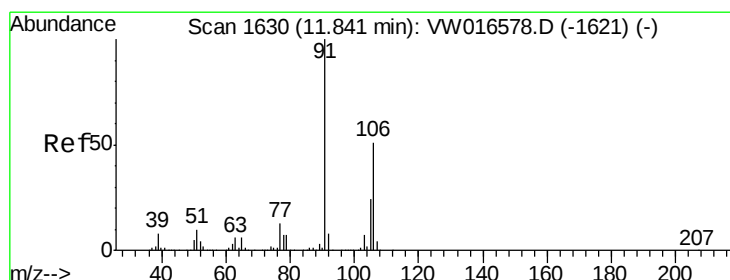
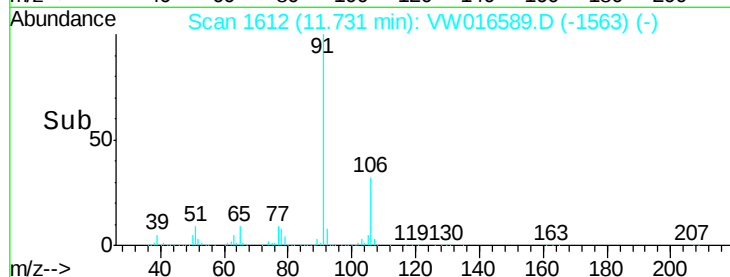
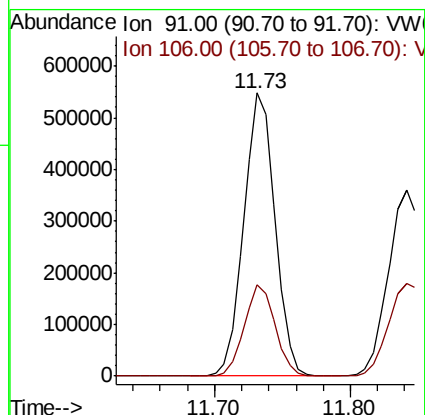
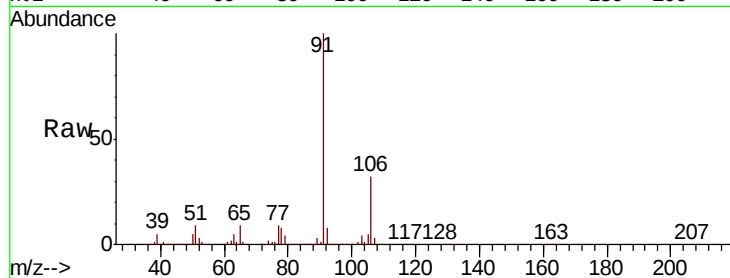
VSTD025108

Tot Ion: 91 Resp: 878137

Ion Ratio Lower Upper

91 100

106 32.4 22.0 41.0



#53

m,p-Xylene

Concen: 25.163 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016589.D

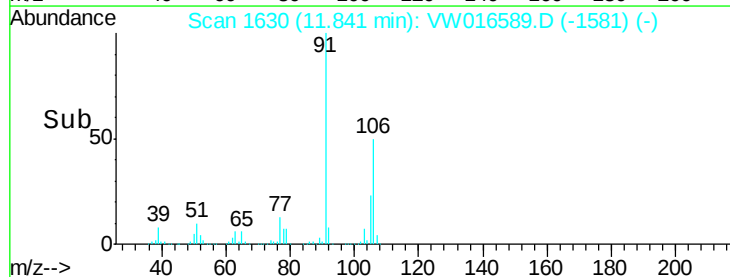
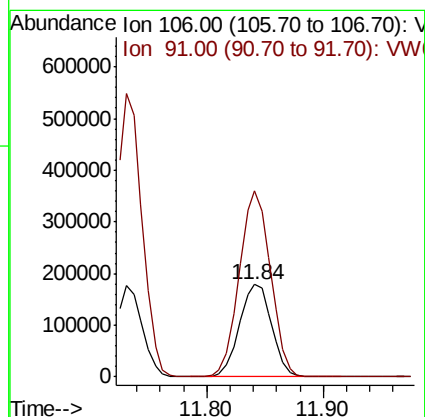
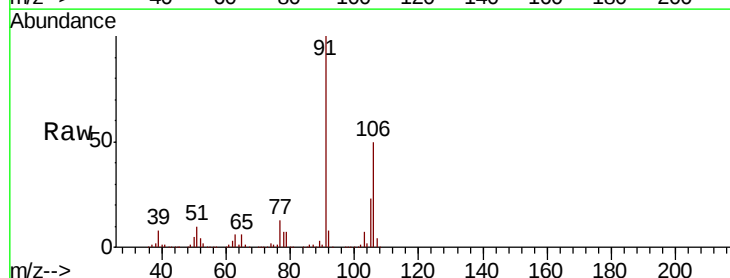
Acq: 18 Sep 2020 17:19

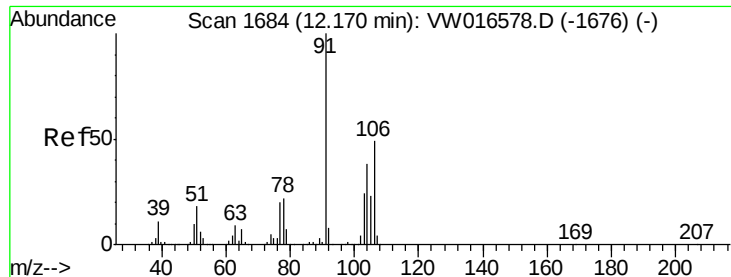
Tgt Ion: 106 Resp: 344125

Ion Ratio Lower Upper

106 100

91 201.3 136.2 252.9

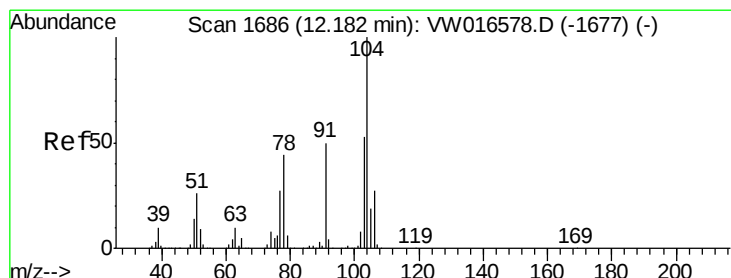
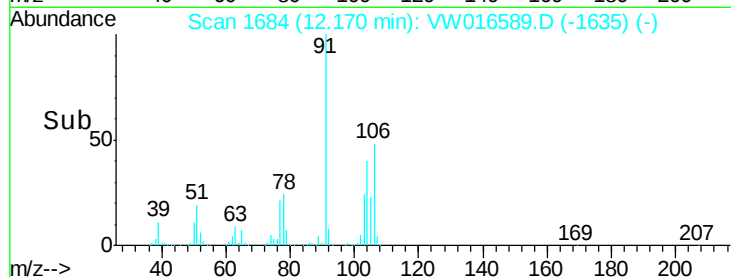
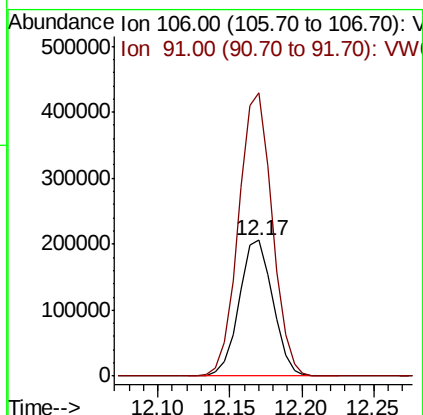
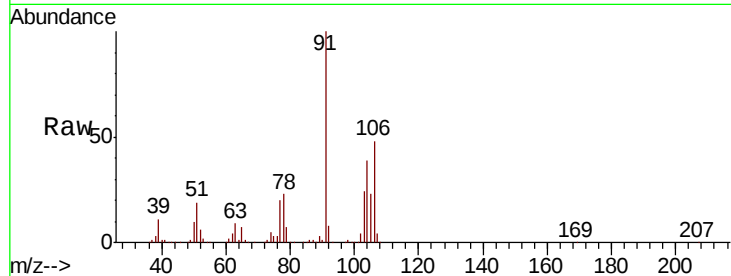




#54
o-Xylene
Concen: 25.827 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

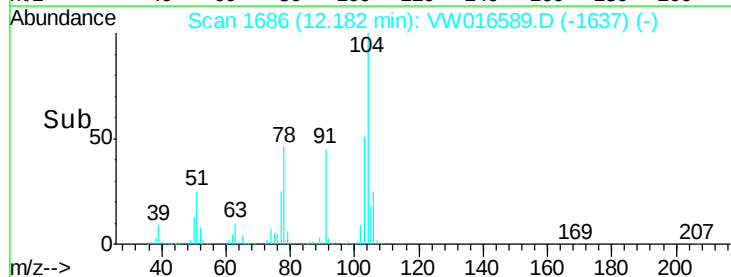
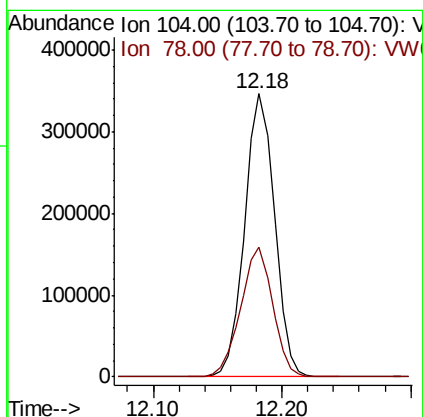
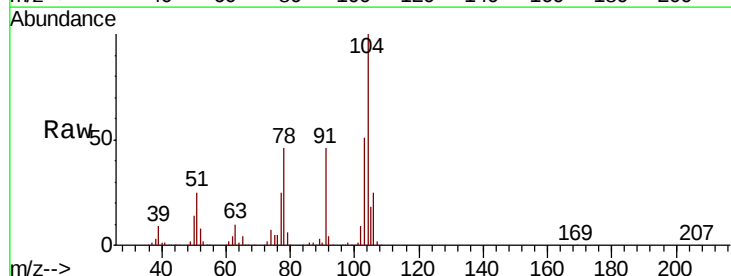
Instrument :
MSVOA_W
ClientSampleId :
VSTD025108

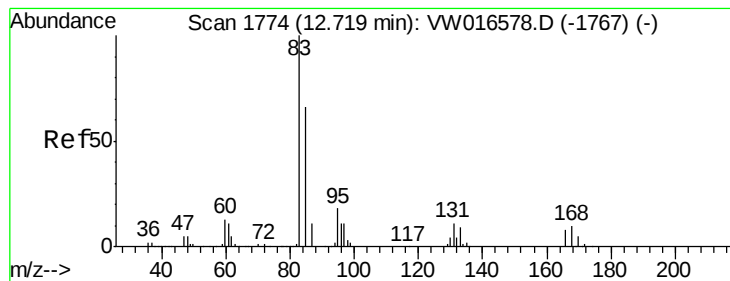
Tot Ion:106 Resp: 334305
Ion Ratio Lower Upper
106 100
91 208.2 143.4 266.2



#55
Styrene
Concen: 25.723 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

Tgt Ion:104 Resp: 554399
Ion Ratio Lower Upper
104 100
78 45.9 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 26.931 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD025108

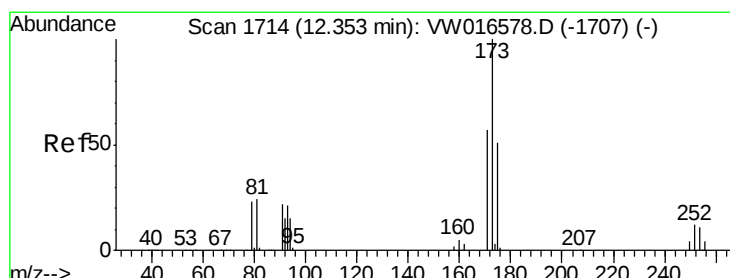
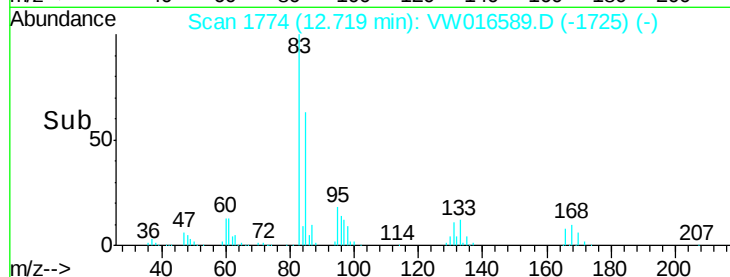
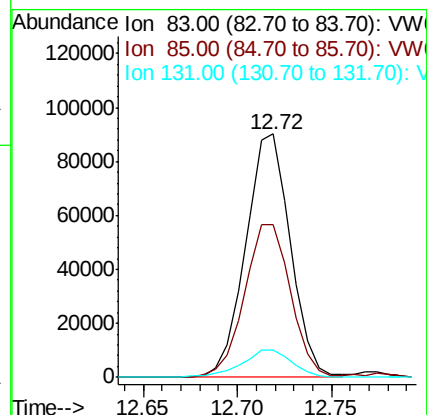
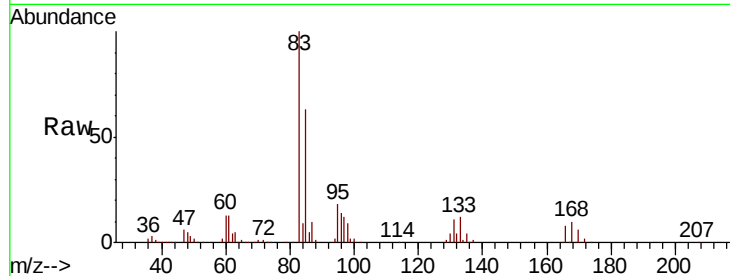
Tot Ion: 83 Resp: 148617

Ion Ratio Lower Upper

83 100

85 62.5 46.3 85.9

131 11.4 9.3 13.9



#59

Bromoform

Concen: 25.950 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

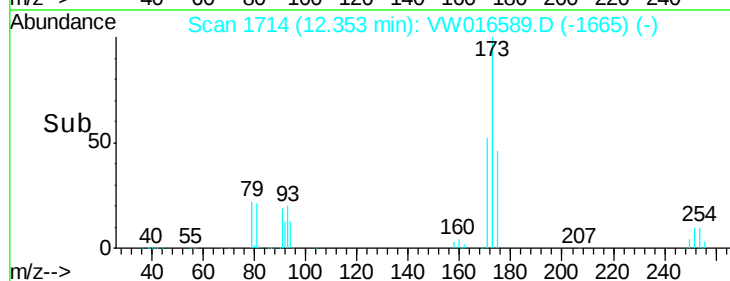
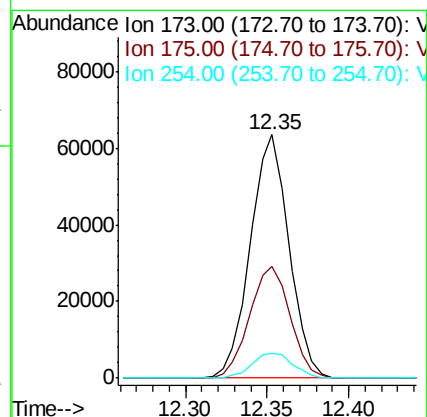
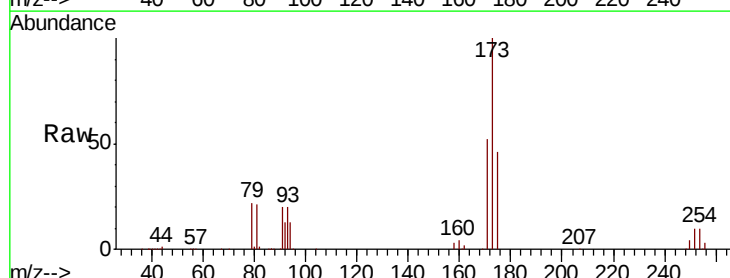
Tgt Ion: 173 Resp: 104982

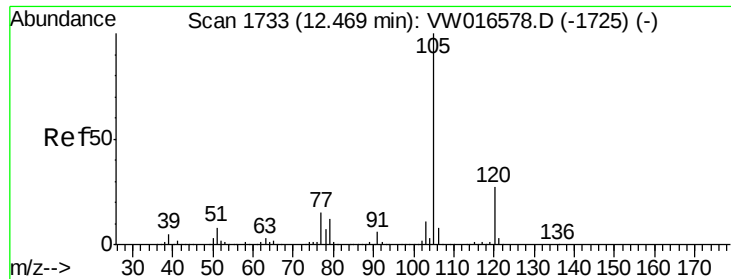
Ion Ratio Lower Upper

173 100

175 48.0 39.7 59.5

254 10.5 8.2 12.2





#60

Isopropylbenzene

Concen: 24.660 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD025108

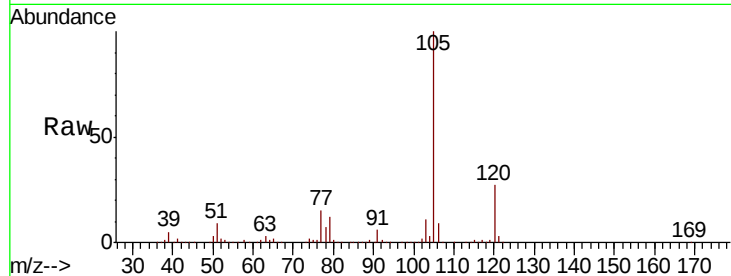
Tot Ion:105 Resp: 902257

Ion Ratio Lower Upper

105 100

120 27.6 21.8 32.8

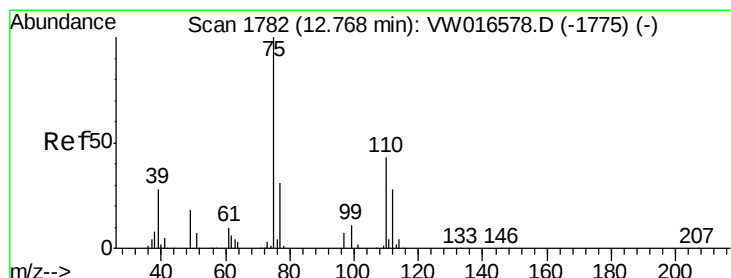
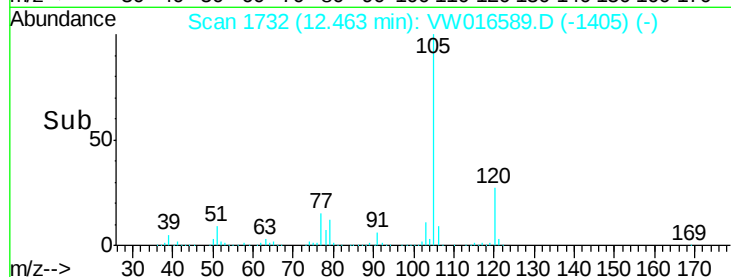
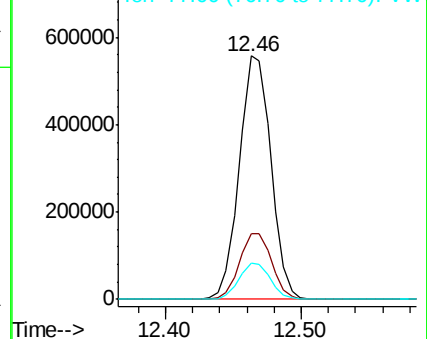
77 15.0 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 25.866 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

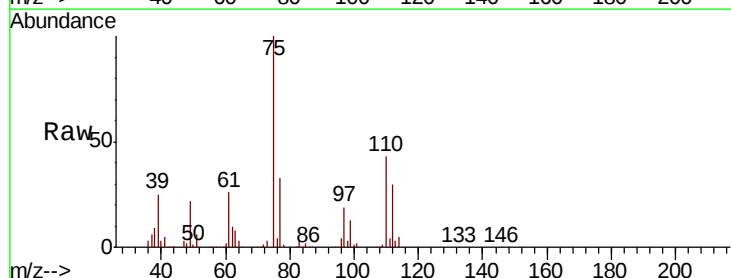
Tgt Ion: 75 Resp: 106819

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8

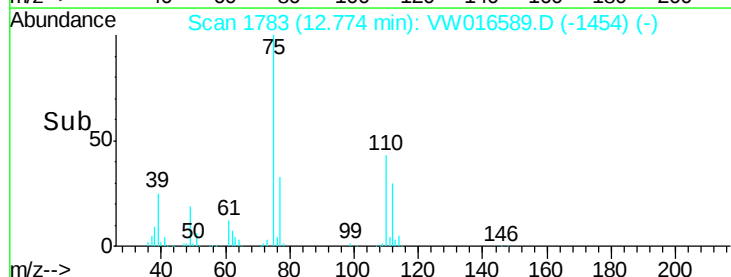
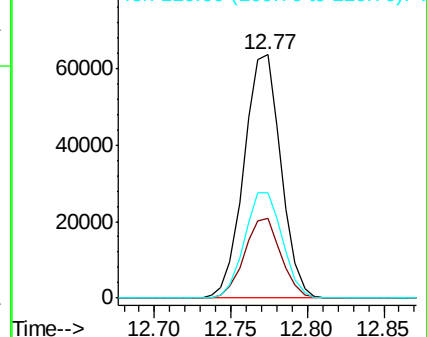
110 44.5 35.8 53.8

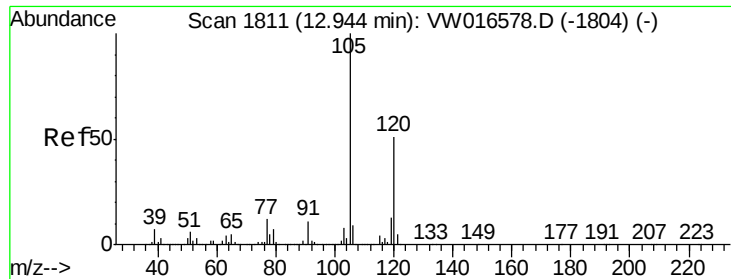


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 24.963 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

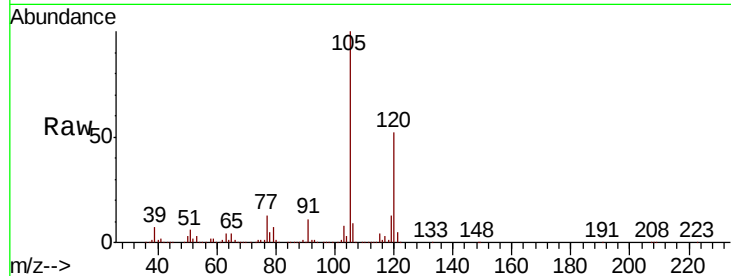
VSTD025108

Tot Ion:105 Resp: 751601

Ion Ratio Lower Upper

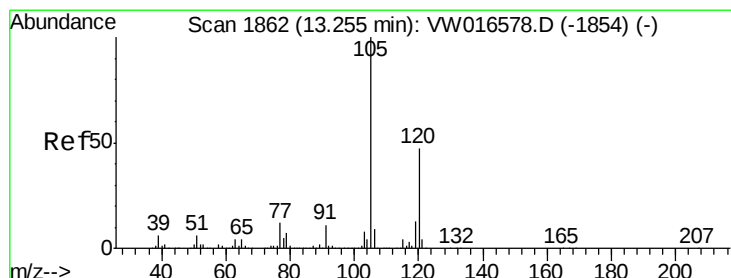
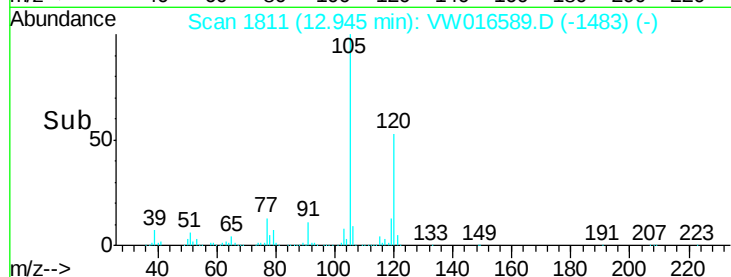
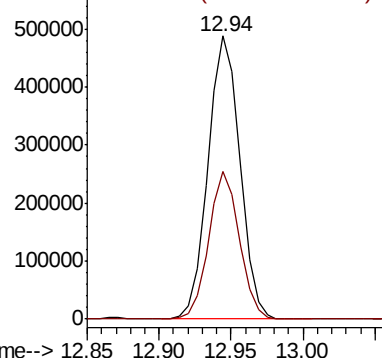
105 100

120 50.1 39.8 59.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 25.036 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW016589.D

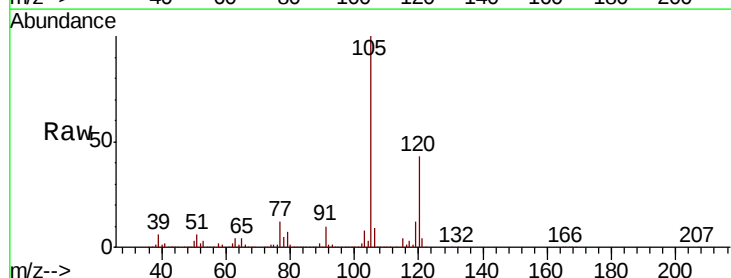
Acq: 18 Sep 2020 17:19

Tgt Ion:105 Resp: 749207

Ion Ratio Lower Upper

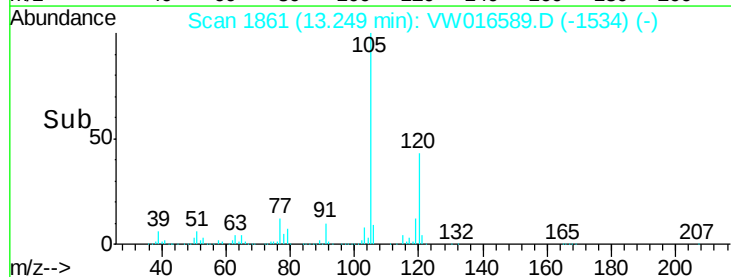
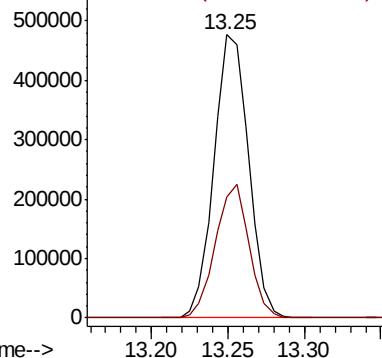
105 100

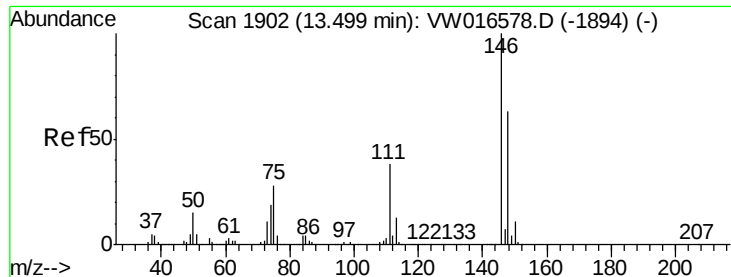
120 45.8 36.4 54.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 25.283 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD025108

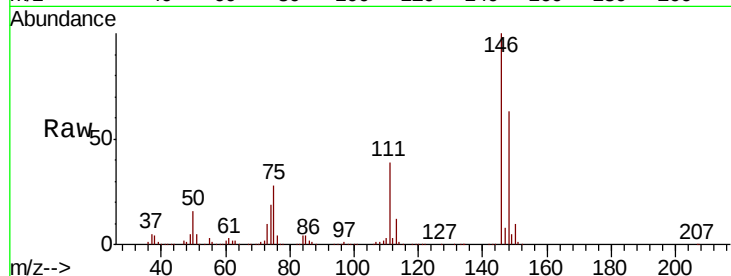
Tot Ion:146 Resp: 424532

Ion Ratio Lower Upper

146 100

111 39.3 26.5 49.3

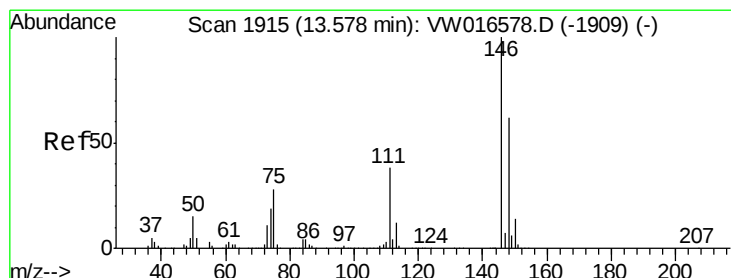
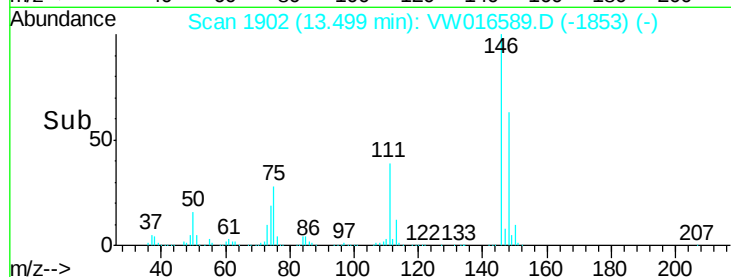
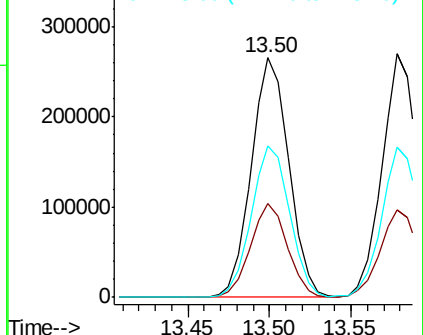
148 63.0 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 25.271 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

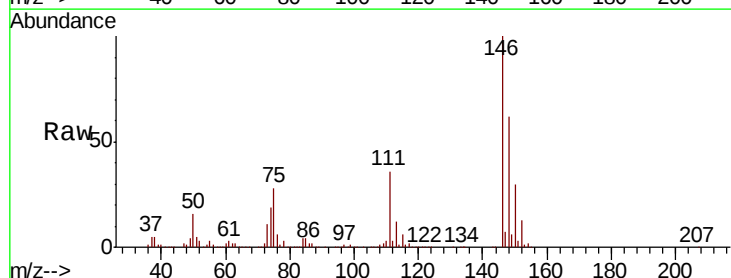
Tgt Ion:146 Resp: 416178

Ion Ratio Lower Upper

146 100

111 35.7 26.5 49.3

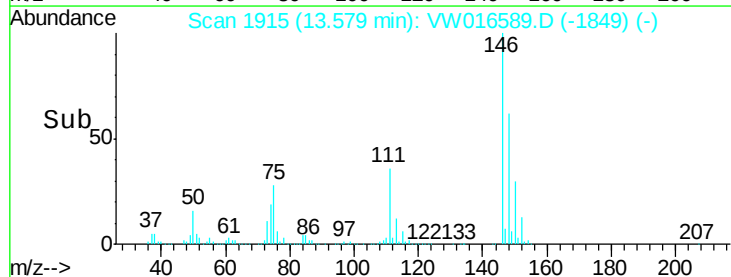
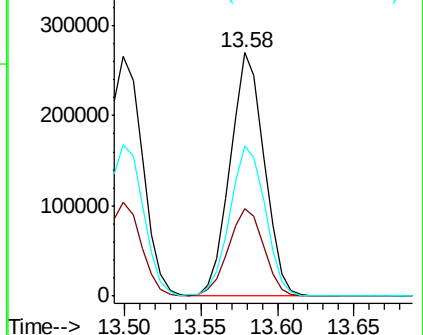
148 61.6 43.8 81.4

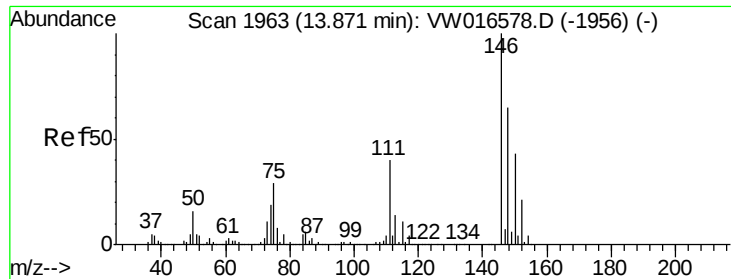


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 25.333 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD025108

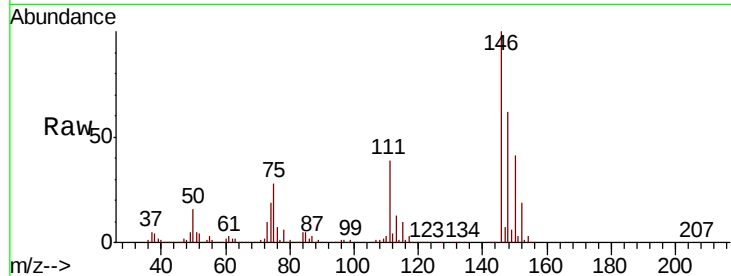
Tot Ion:146 Resp: 376334

Ion Ratio Lower Upper

146 100

111 38.9 32.4 48.6

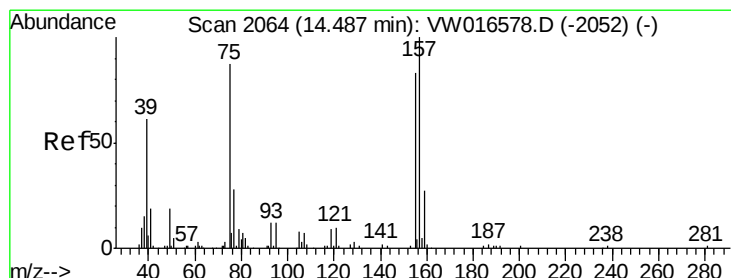
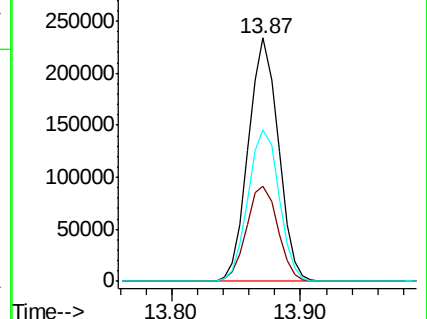
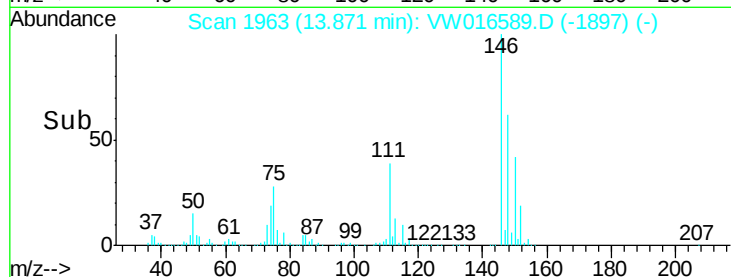
148 62.3 52.2 78.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 26.502 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

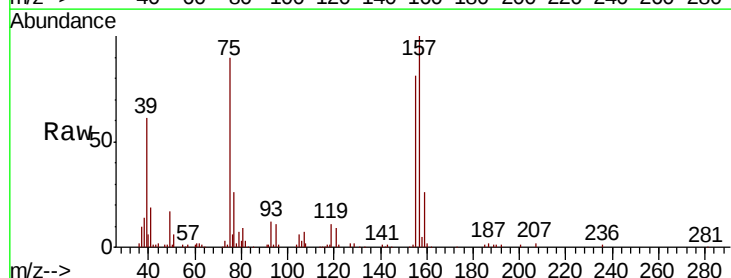
Tgt Ion: 75 Resp: 25726

Ion Ratio Lower Upper

75 100

155 90.0 76.6 115.0

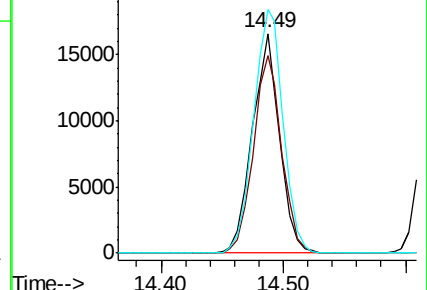
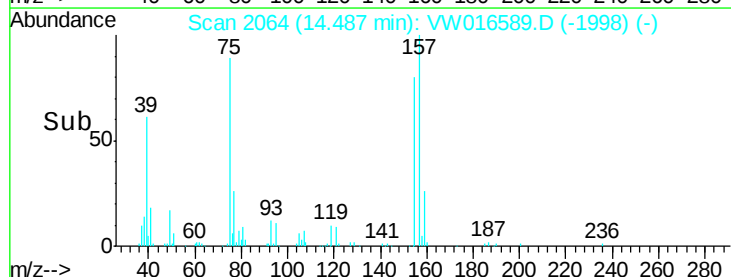
157 110.8 92.0 138.0

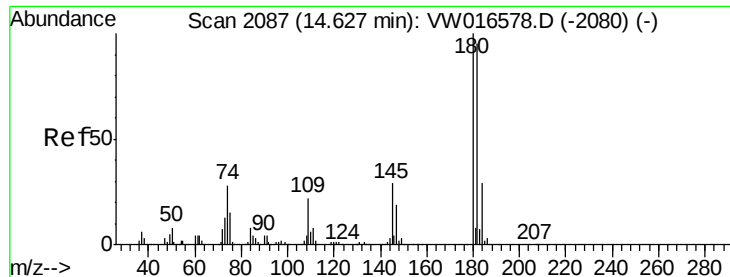


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#69

1,3,5-Trichlorobenzene

Concen: 24.458 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD025108

Tot Ion:180 Resp: 303131

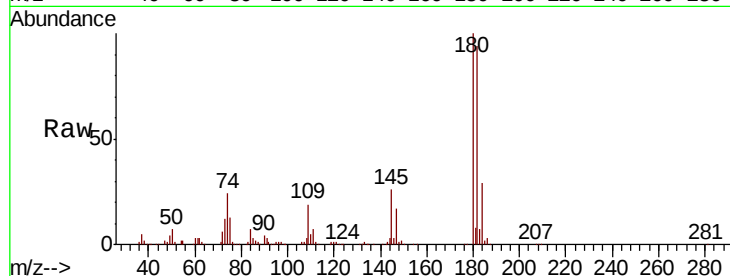
Ion Ratio Lower Upper

180 100

182 98.2 79.0 118.4

184 31.6 24.6 36.8

145 29.1 23.2 34.8

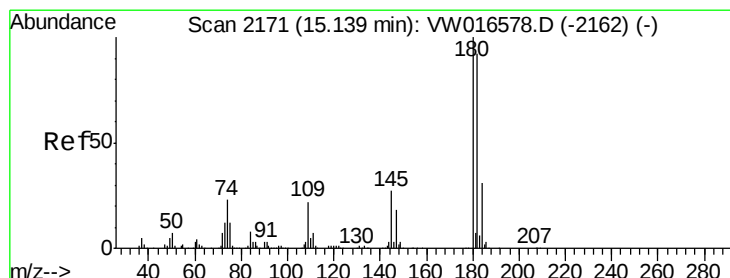
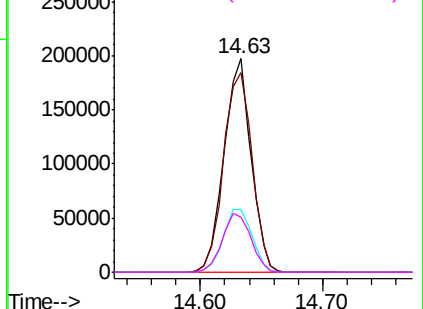
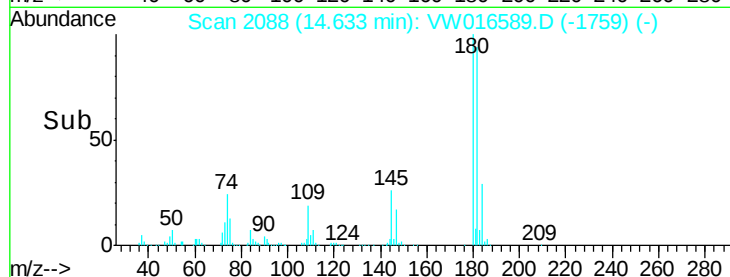


Abundance Ion 180.00 (179.70 to 180.70): V

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



#70

1,2,4-trichlorobenzene

Concen: 25.463 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW016589.D

Acq: 18 Sep 2020 17:19

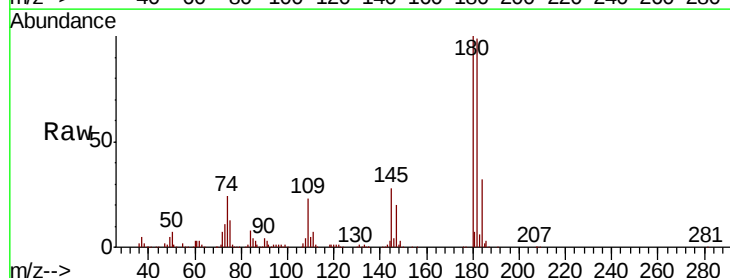
Tgt Ion:180 Resp: 254868

Ion Ratio Lower Upper

180 100

182 98.6 76.1 114.1

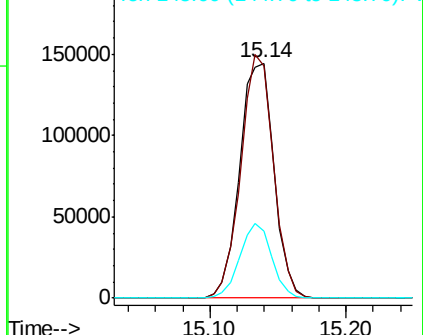
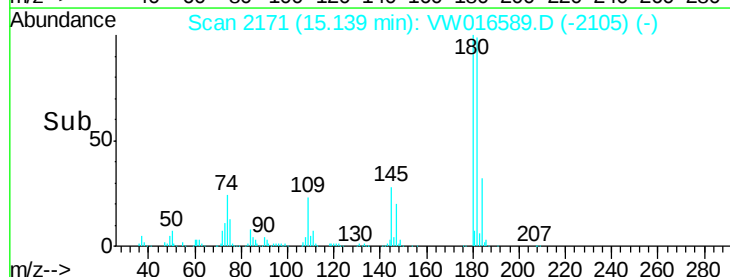
145 29.7 24.1 36.1

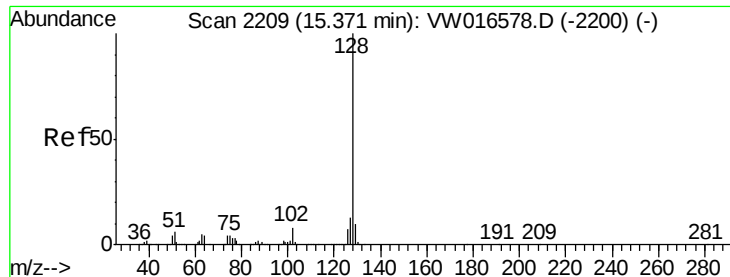


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

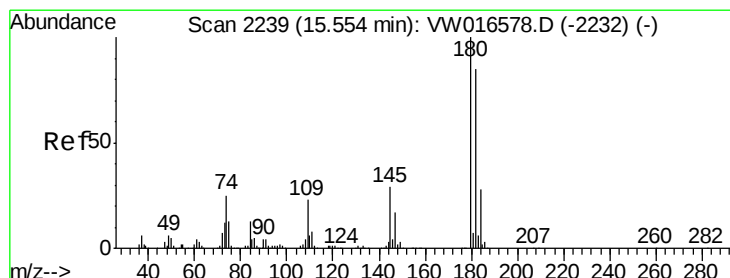
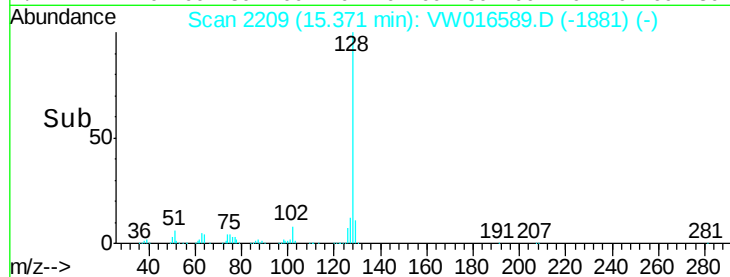
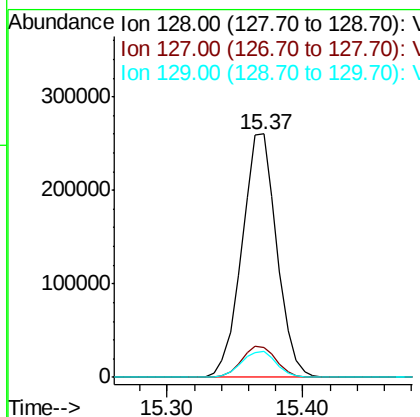
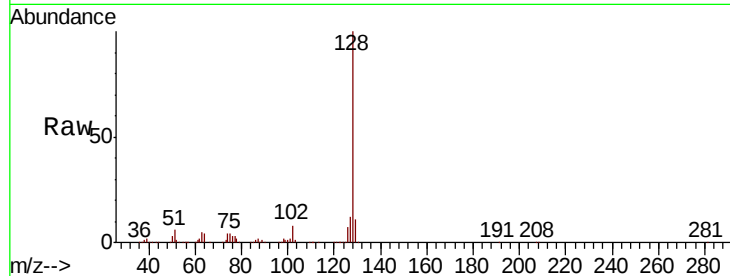




#71
Naphthalene
Concen: 27.692 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

Instrument :
MSVOA_W
ClientSampleId :
VSTD025108

Tot Ion:128 Resp: 465166
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.8 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 26.736 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW016589.D
Acq: 18 Sep 2020 17:19

Tgt Ion:180 Resp: 224699
Ion Ratio Lower Upper
180 100
182 96.4 75.5 113.3
145 32.2 24.3 36.5

