

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120220\
 Data File : VW017525.D
 Acq On : 02 Dec 2020 17:02
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025109

Quant Time: Dec 03 03:20:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM120220SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 03 02:40:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	473555	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	441517	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	223099	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	128590	20.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.72%
7) Chloroethane-d5	2.89	69	102306	21.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	4.03	63	276628	21.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.16%
21) 2-Butanone-d5	7.08	46	69835	45.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.14%
24) Chloroform-d	7.65	84	278453	21.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.92%
26) 1,2-Dichloroethane-d4	8.31	65	143571	21.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.68%
32) Benzene-d6	8.28	84	522129	21.27	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.08%
36) 1,2-Dichloropropane-d6	9.28	67	152971	21.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.84%
41) Toluene-d8	10.33	98	491217	21.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.48%
43) trans-1,3-Dichloropropene-	10.58	79	71276	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.72%
47) 2-Hexanone-d5	10.93	63	47387	47.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.50%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	124856	22.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.20%
66) 1,2-Dichlorobenzene-d4	13.85	152	180610	22.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	87642	24.209	ug/L 97
3) Chloromethane	2.22	50	91741	23.707	ug/L 99
5) Vinyl chloride	2.37	62	135339	24.432	ug/L 100
6) Bromomethane	2.79	94	94430	25.070	ug/L 98
8) Chloroethane	2.93	64	86254	24.787	ug/L 99
9) Trichlorofluoromethane	3.27	101	132576	24.614	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	156524	25.087	ug/L 99
12) 1,1-Dichloroethene	4.06	96	146579	24.671	ug/L # 79
13) Acetone	4.13	43	67231	55.437	ug/L 98
14) Carbon disulfide	4.40	76	403605	24.328	ug/L 97
15) Methyl Acetate	4.68	43	68847	27.815	ug/L 99
16) Methylene chloride	4.93	84	161256	23.518	ug/L 94
17) trans-1,2-Dichloroethene	5.43	96	155266	25.207	ug/L 98
18) Methyl tert-butyl Ether	5.43	73	194479	27.377	ug/L 99
19) 1,1-Dichloroethane	6.22	63	272785	25.618	ug/L 99
20) cis-1,2-Dichloroethene	7.18	96	167771	25.431	ug/L 97
22) 2-Butanone	7.17	43	93453	51.363	ug/L # 68

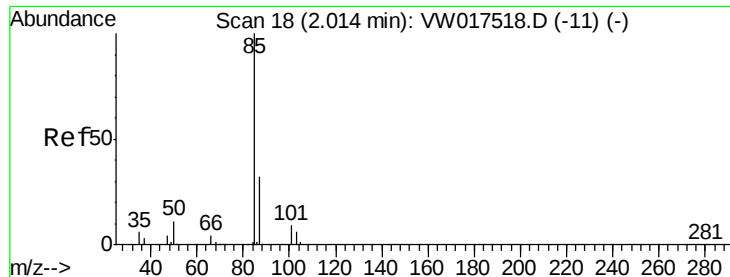
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV120220\
 Data File : VW017525.D
 Acq On : 02 Dec 2020 17:02
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025109

Quant Time: Dec 03 03:20:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM120220SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 03 02:40:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	78841	25.553	ug/L	98
25) Chloroform	7.68	83	291085	25.601	ug/L	98
27) 1,2-Dichloroethane	8.40	62	189187	26.154	ug/L	97
29) Cyclohexane	7.96	56	237959	25.848	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	243769	25.182	ug/L	100
31) Carbon tetrachloride	8.07	117	233885	24.810	ug/L	99
33) Benzene	8.33	78	611511	25.239	ug/L	100
34) Trichloroethene	9.09	95	164850	24.656	ug/L	99
35) Methylcyclohexane	9.34	83	273481	25.394	ug/L	98
37) 1,2-Dichloropropane	9.37	63	151674	25.639	ug/L	100
38) Bromodichloromethane	9.65	83	210683	25.485	ug/L	98
39) cis-1,3-Dichloropropene	10.07	75	243771	26.184	ug/L	100
40) 4-Methyl-2-pentanone	10.21	43	181124	54.490	ug/L	100
42) Toluene	10.39	91	679069	26.063	ug/L	98
44) trans-1,3-Dichloropropene	10.61	75	219400	26.293	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	123838	26.480	ug/L	96
46) Tetrachloroethene	10.86	164	134571	24.256	ug/L	94
48) 2-Hexanone	10.97	43	127094	55.293	ug/L	98
49) Dibromochloromethane	11.13	129	150172	25.759	ug/L	90
50) 1,2-Dibromoethane	11.24	107	119816	26.238	ug/L	91
51) Chlorobenzene	11.66	112	439760	25.493	ug/L	99
52) Ethylbenzene	11.73	91	757573	25.715	ug/L	99
53) m,p-Xylene	11.84	106	288978	25.958	ug/L	96
54) o-Xylene	12.17	106	275424	26.059	ug/L	97
55) Styrene	12.18	104	478780	26.515	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.71	83	145092	26.607	ug/L	99
59) Bromoform	12.35	173	90535	26.161	ug/L	100
60) Isopropylbenzene	12.47	105	755972	25.906	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	108087	26.458	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	622969	26.201	ug/L	97
63) 1,2,4-Trimethylbenzene	13.26	105	635888	27.068	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	357037	25.749	ug/L	95
65) 1,4-Dichlorobenzene	13.58	146	353496	25.109	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	323096	25.676	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.49	75	25533	27.285	ug/L	84
69) 1,3,5-Trichlorobenzene	14.63	180	257702	25.418	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	224853	26.392	ug/L	98
71) Naphthalene	15.36	128	416881	29.161	ug/L	100
72) 1,2,3-Trichlorobenzene	15.56	180	208613	28.381	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 24.209 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

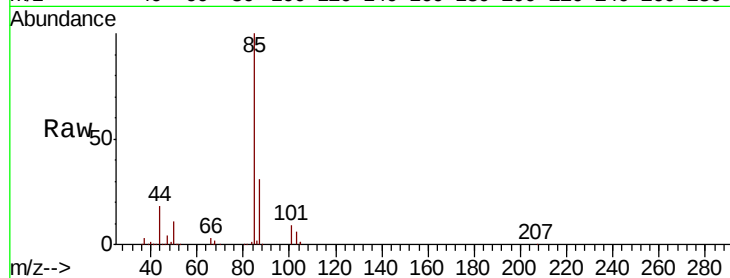
VSTD025109

Tot Ion: 85 Resp: 87642

Ion Ratio Lower Upper

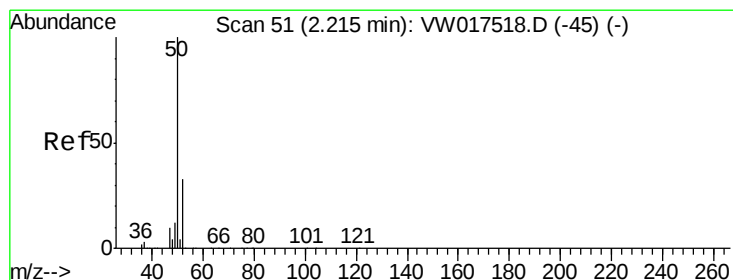
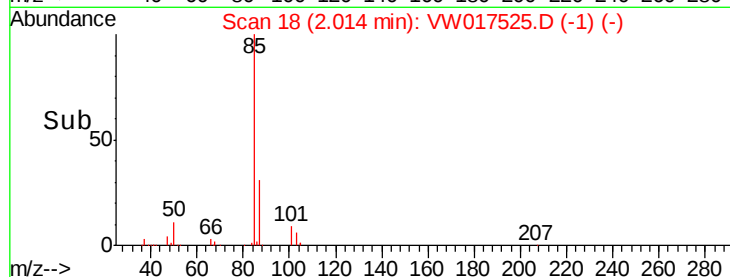
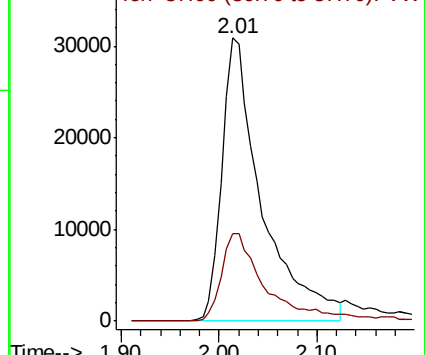
85 100

87 33.7 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.707 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017525.D

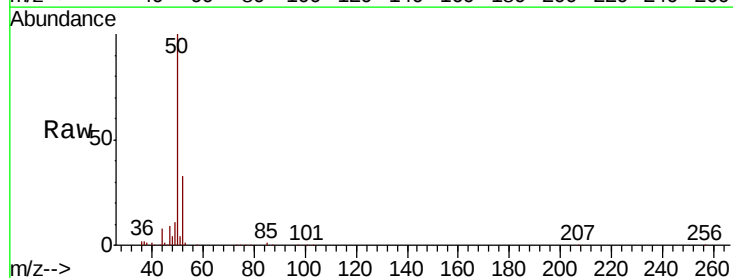
Acq: 02 Dec 2020 17:02

Tgt Ion: 50 Resp: 91741

Ion Ratio Lower Upper

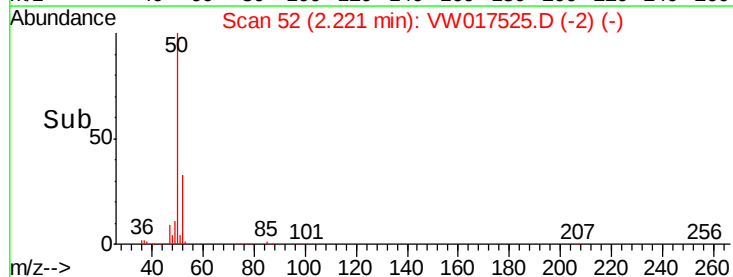
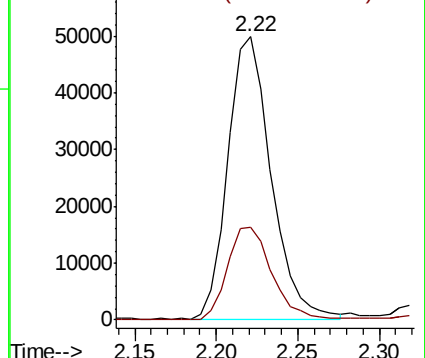
50 100

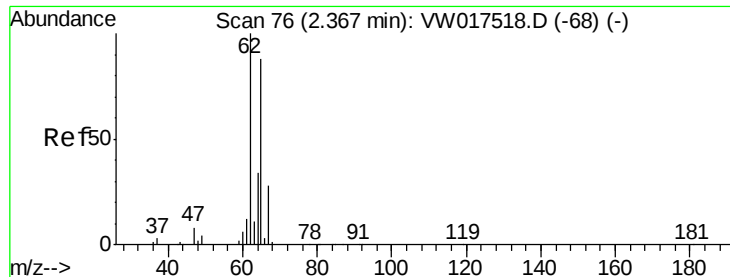
52 32.9 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.432 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

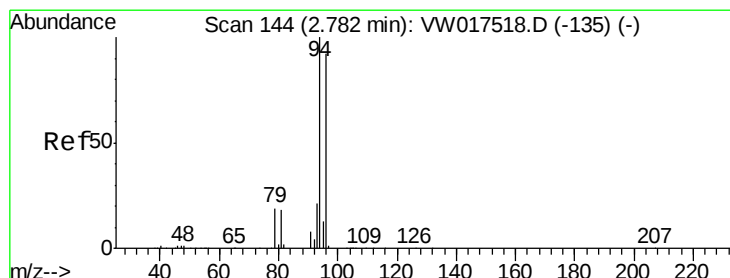
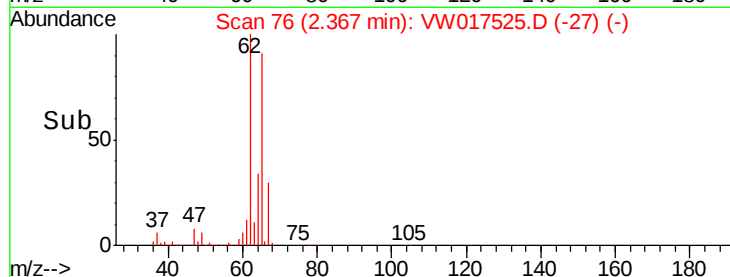
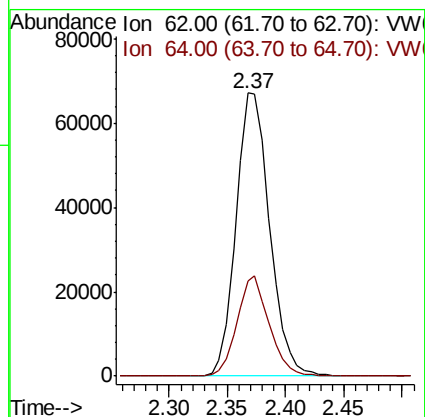
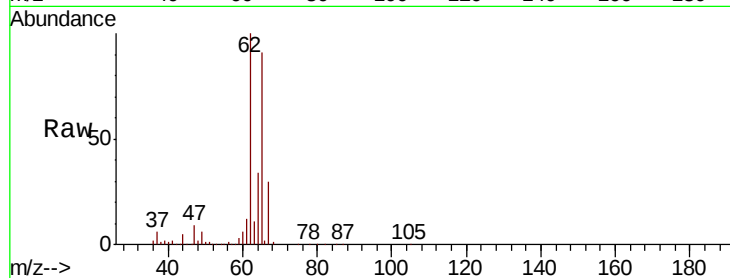
VSTD025109

Tot Ion: 62 Resp: 135339

Ion Ratio Lower Upper

62 100

64 33.8 23.7 43.9



#6

Bromomethane

Concen: 25.070 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW017525.D

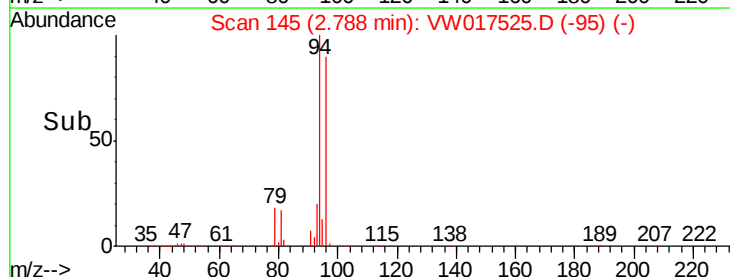
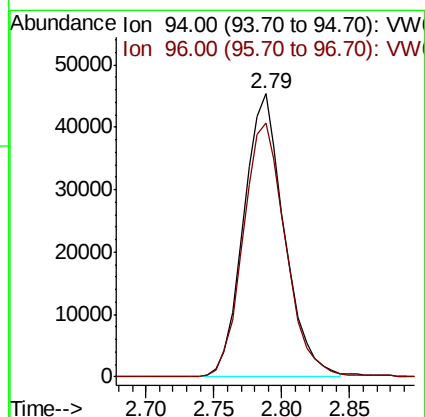
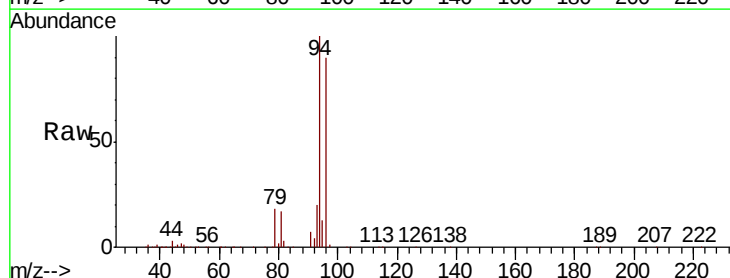
Acq: 02 Dec 2020 17:02

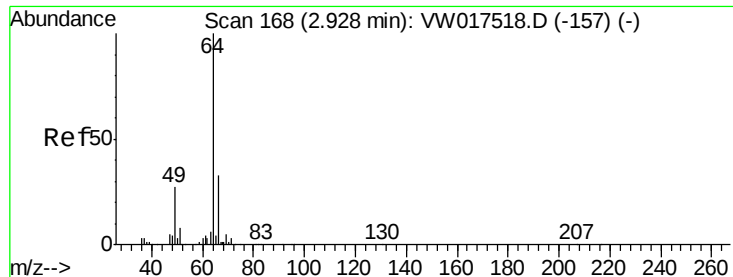
Tgt Ion: 94 Resp: 94430

Ion Ratio Lower Upper

94 100

96 89.9 64.2 119.2





#8

Chloroethane

Concen: 24.787 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

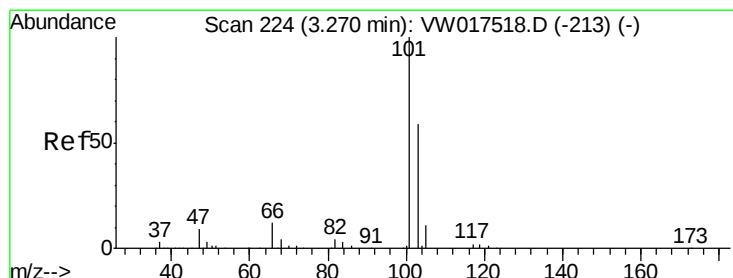
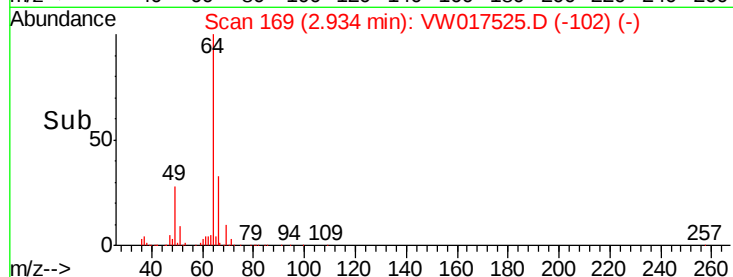
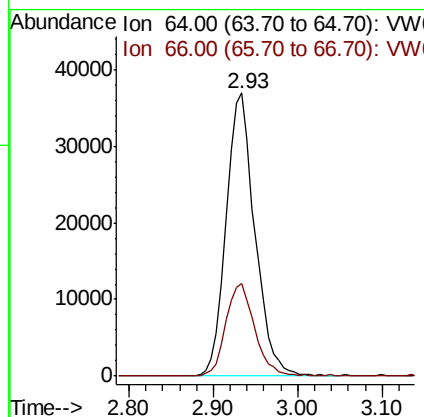
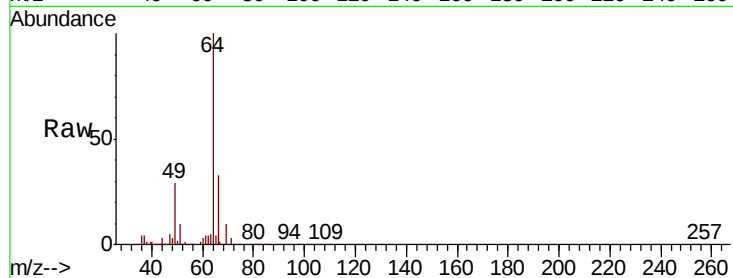
VSTD025109

Tot Ion: 64 Resp: 86254

Ion Ratio Lower Upper

64 100

66 32.8 23.2 43.2



#9

Trichlorofluoromethane

Concen: 24.614 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW017525.D

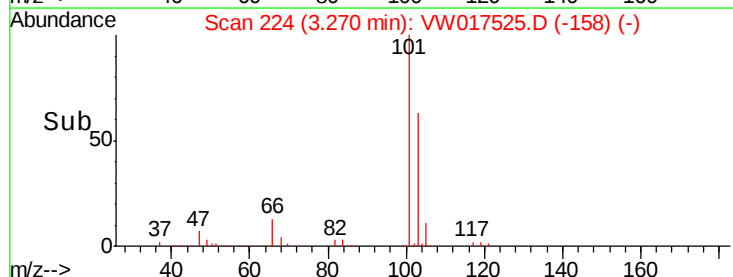
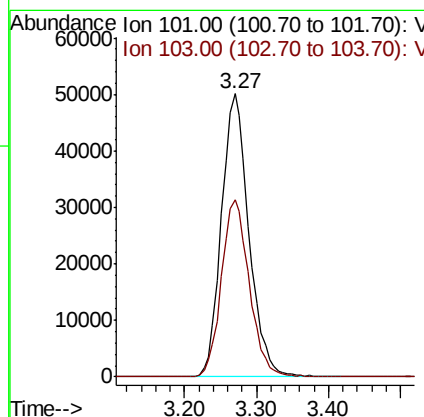
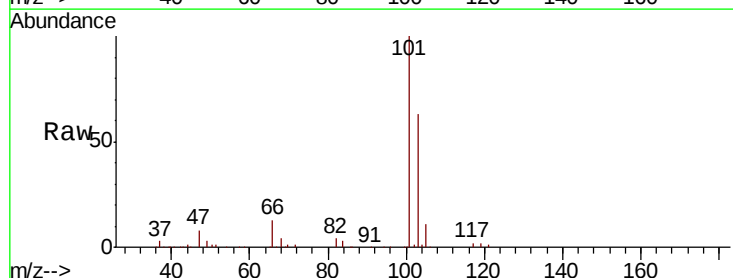
Acq: 02 Dec 2020 17:02

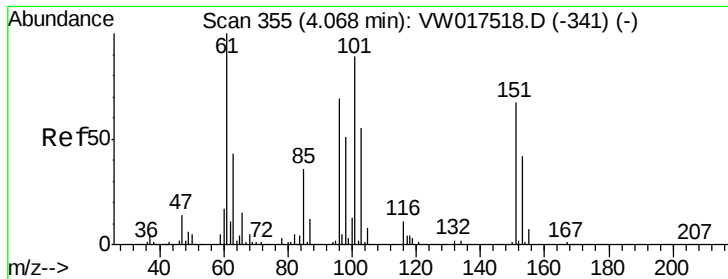
Tgt Ion: 101 Resp: 132576

Ion Ratio Lower Upper

101 100

103 63.7 50.6 75.8





#10

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

Concen: 25.087 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025109

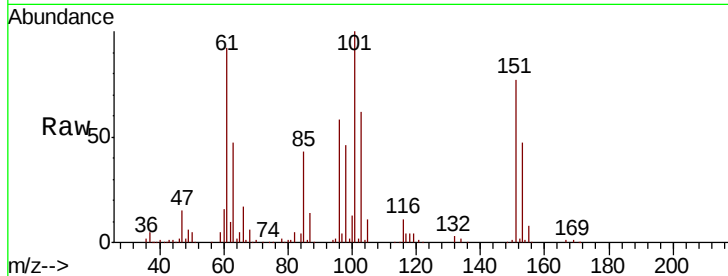
Tot Ion:101 Resp: 156524

Ion Ratio Lower Upper

101 100

85 43.1 34.0 51.0

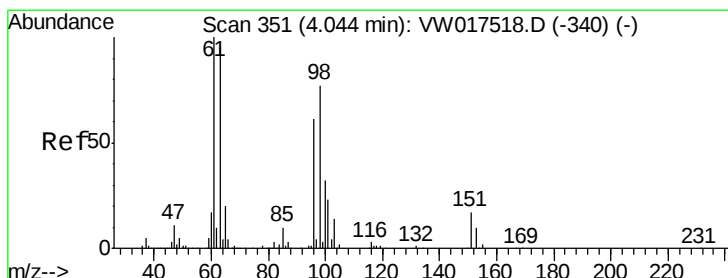
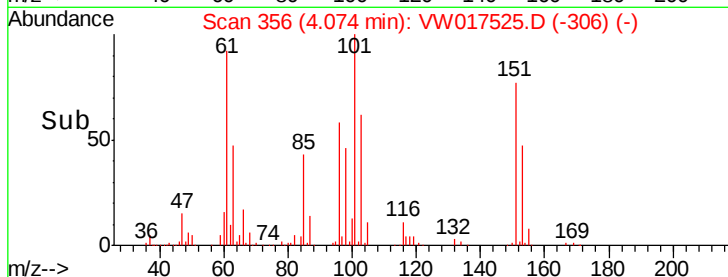
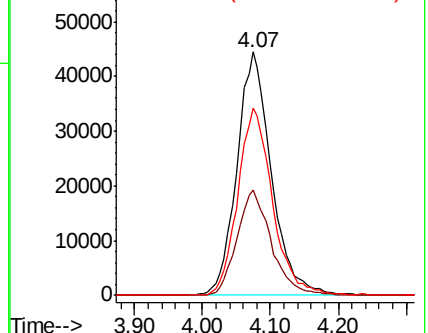
151 77.6 62.8 94.2



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: 24.671 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

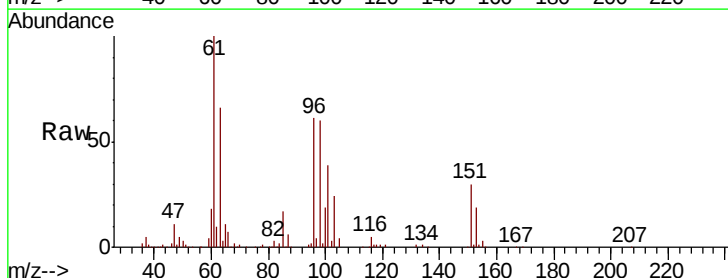
Tgt Ion: 96 Resp: 146579

Ion Ratio Lower Upper

96 100

61 162.8 115.0 213.6

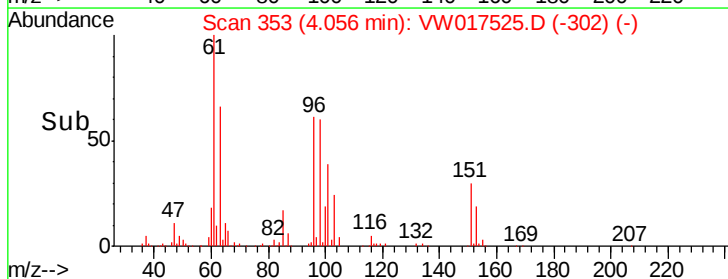
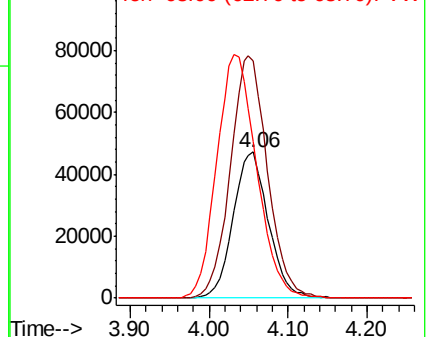
63 107.1 112.7 209.3#

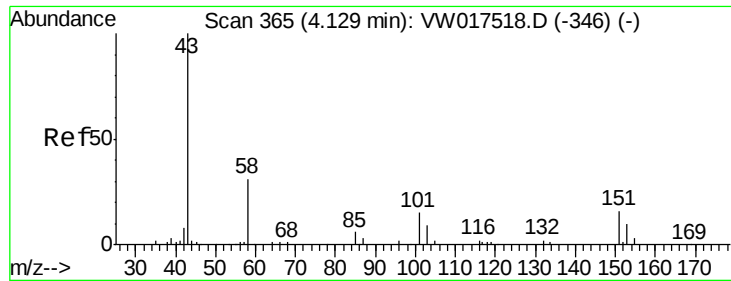


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 55.437 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

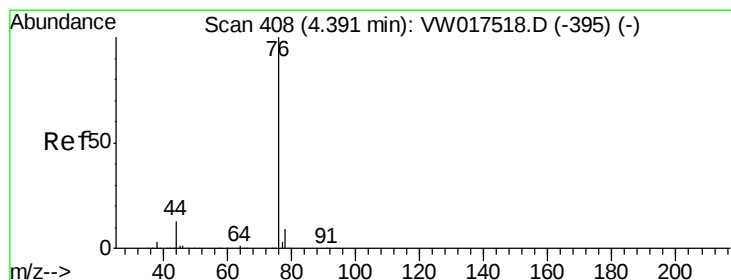
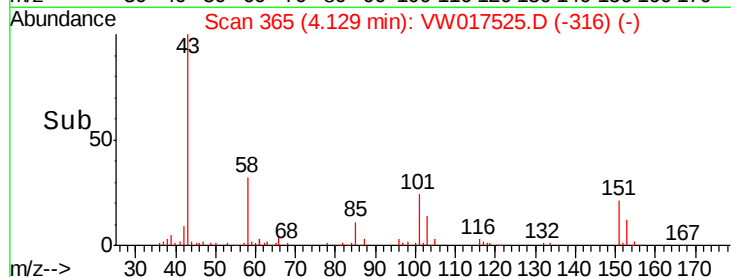
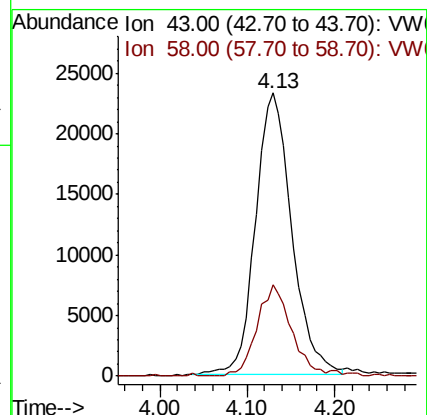
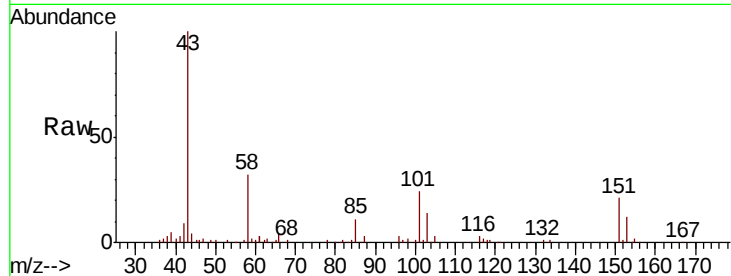
VSTD025109

Tot Ion: 43 Resp: 67231

Ion Ratio Lower Upper

43 100

58 30.5 0.0 59.2



#14

Carbon disulfide

Concen: 24.328 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017525.D

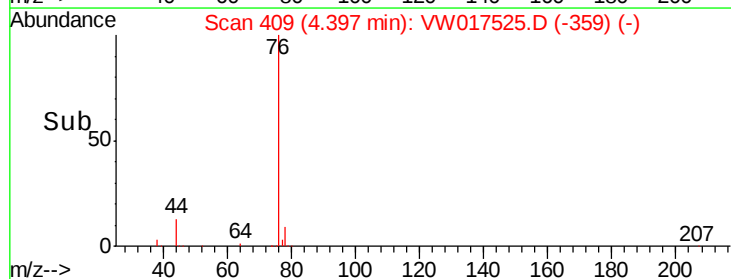
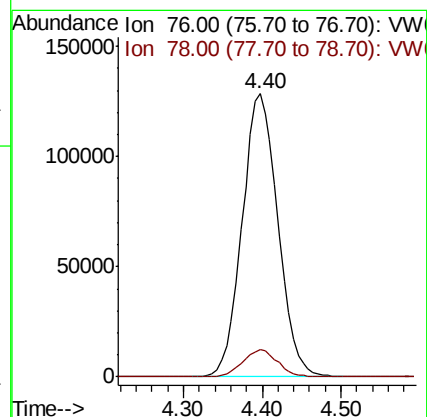
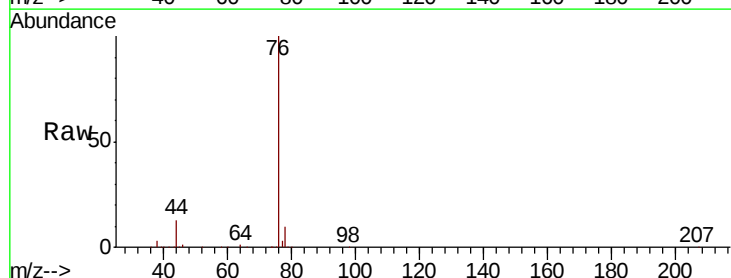
Acq: 02 Dec 2020 17:02

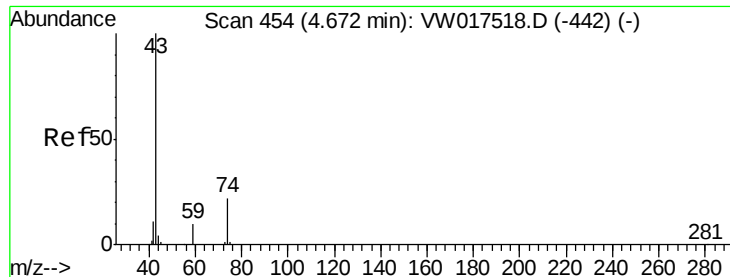
Tgt Ion: 76 Resp: 403605

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.6

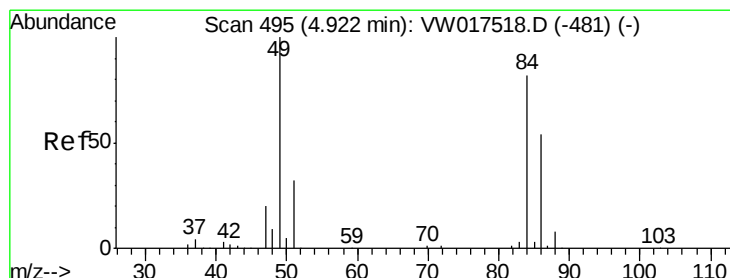
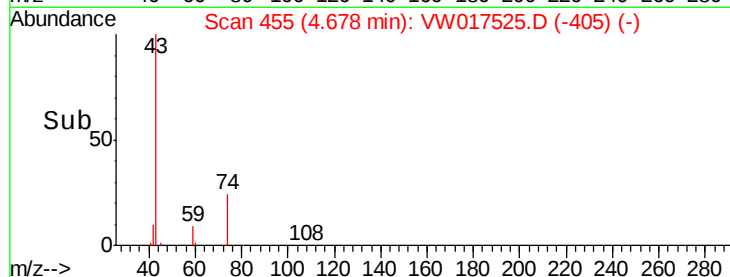
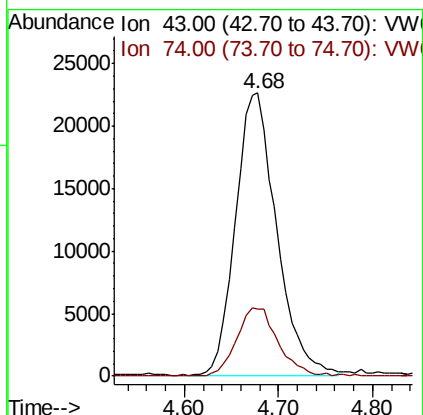
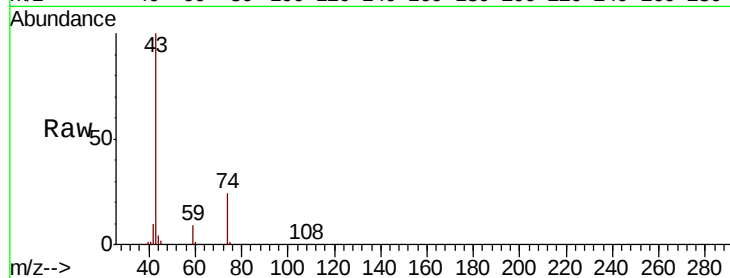




#15
Methyl Acetate
Concen: 27.815 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

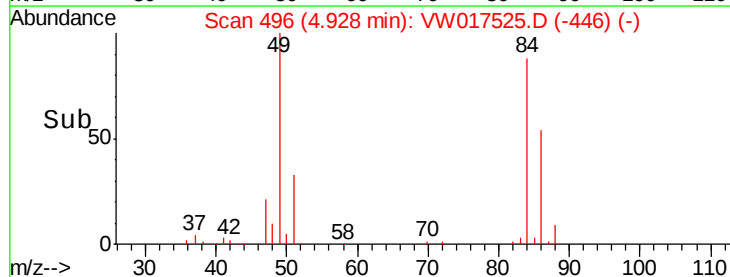
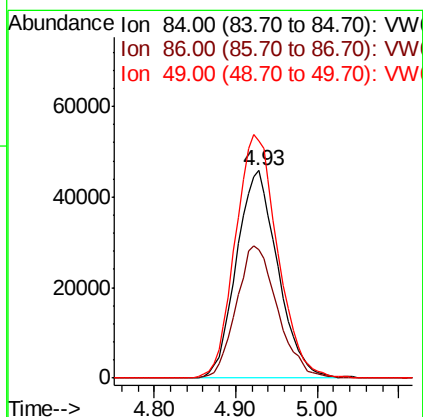
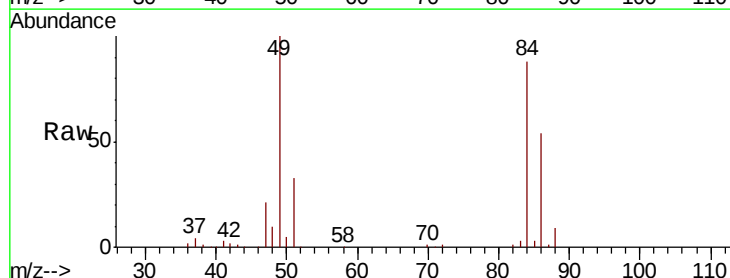
Instrument :
MSVOA_W
ClientSampled :
VSTD025109

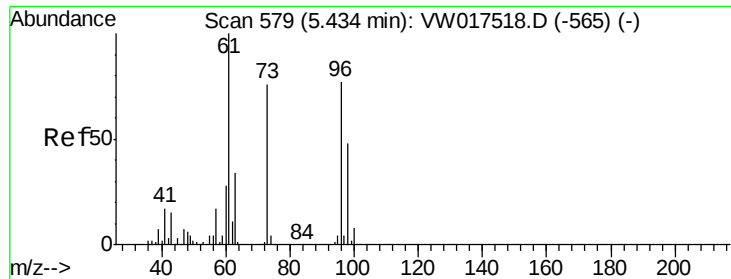
Tot Ion: 43 Resp: 68847
Ion Ratio Lower Upper
43 100
74 24.1 19.0 28.4



#16
Methylene chloride
Concen: 23.518 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

Tgt Ion: 84 Resp: 161256
Ion Ratio Lower Upper
84 100
86 61.9 46.2 85.8
49 114.0 85.0 158.0





#17

trans-1,2-Dichloroethene

Concen: 25.207 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025109

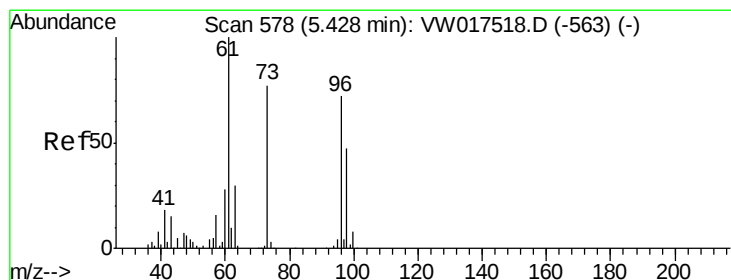
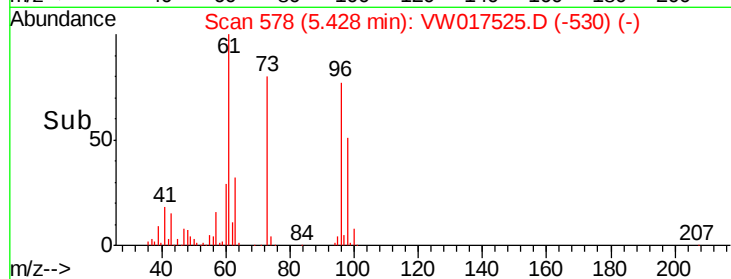
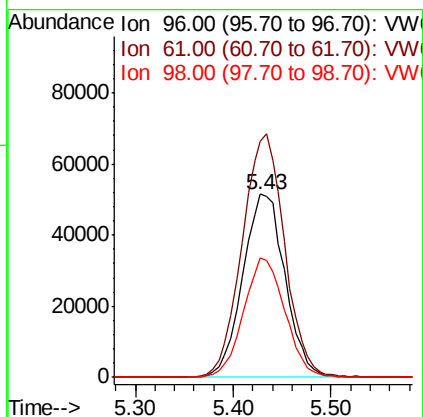
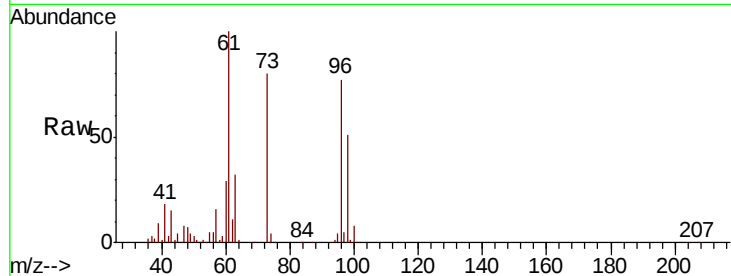
Tot Ion: 96 Resp: 155266

Ion Ratio Lower Upper

96 100

61 129.2 91.4 169.8

98 65.5 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 27.377 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

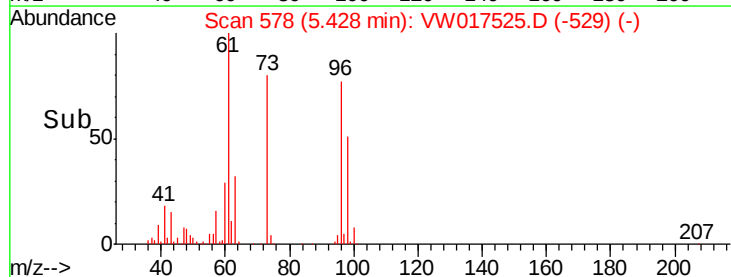
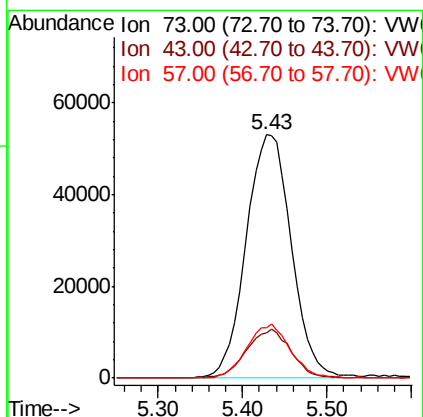
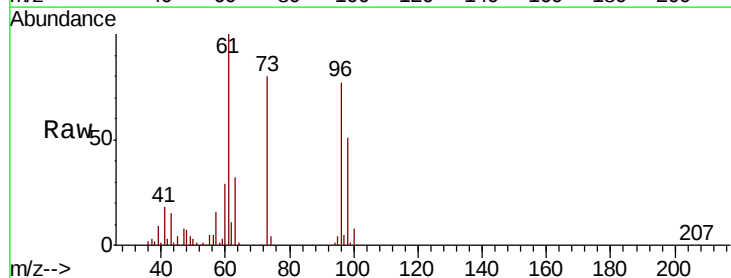
Tgt Ion: 73 Resp: 194479

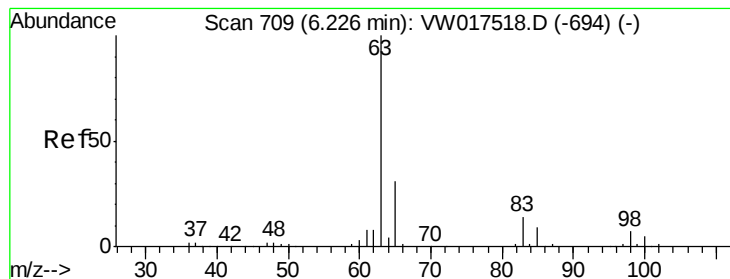
Ion Ratio Lower Upper

73 100

43 19.5 16.0 24.0

57 21.1 17.4 26.0





#19

1,1-Dichloroethane

Concen: 25.618 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025109

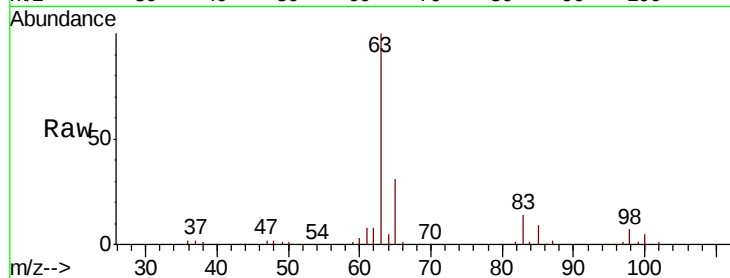
Tot Ion: 63 Resp: 272785

Ion Ratio Lower Upper

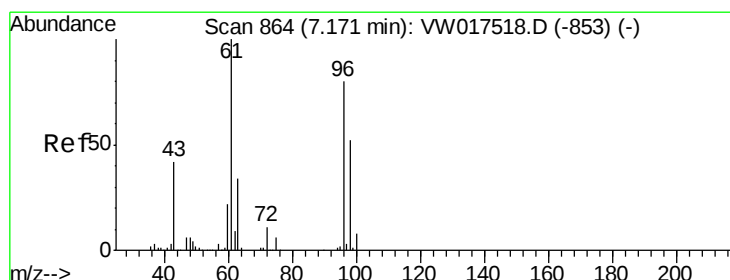
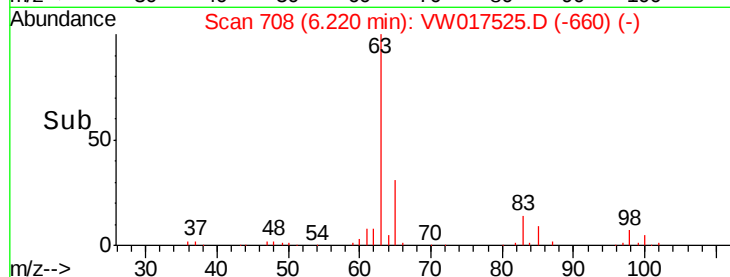
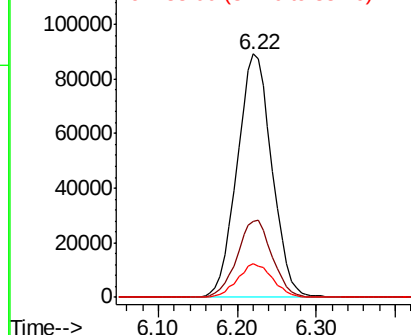
63 100

65 31.1 21.3 39.6

83 14.1 9.4 17.6



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



#20

cis-1,2-Dichloroethene

Concen: 25.431 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

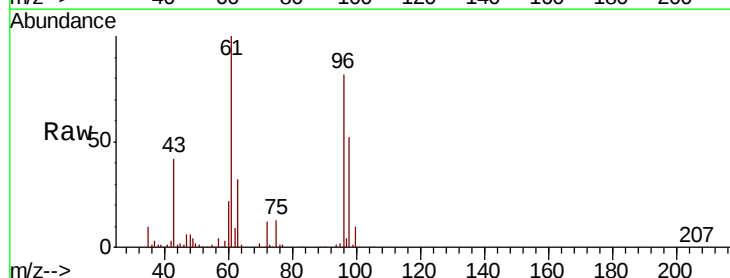
Tgt Ion: 96 Resp: 167771

Ion Ratio Lower Upper

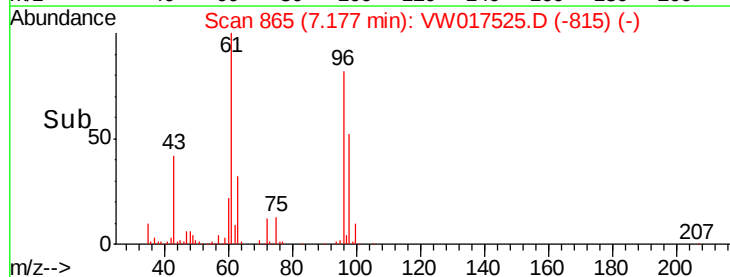
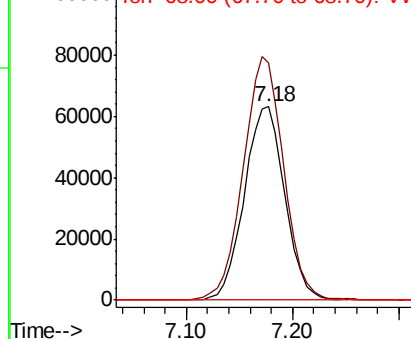
96 100

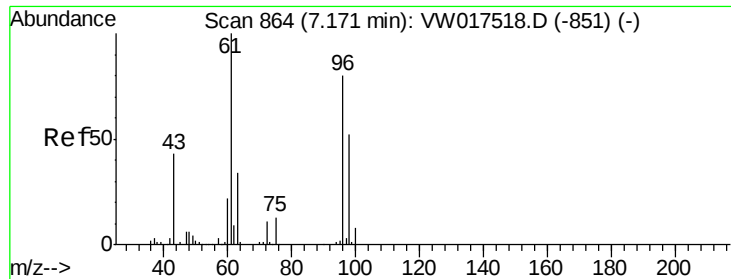
61 122.6 88.0 163.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 68.00 (67.70 to 68.70): VW





#22

2-Butanone

Concen: 51.363 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

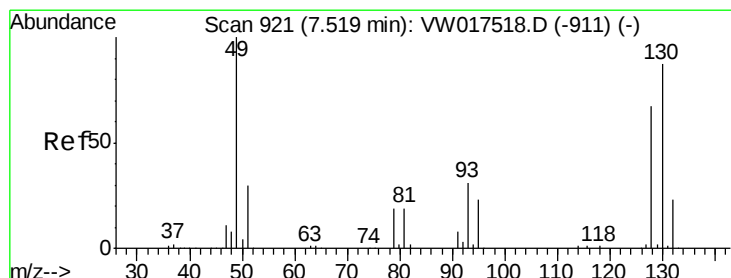
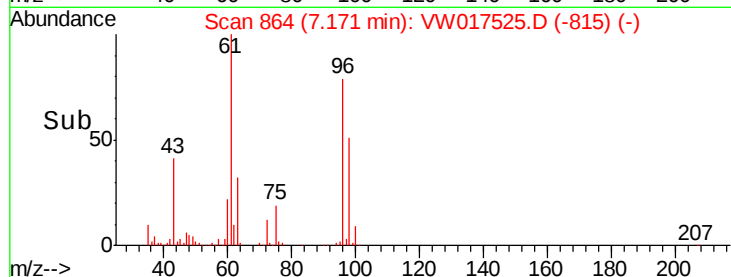
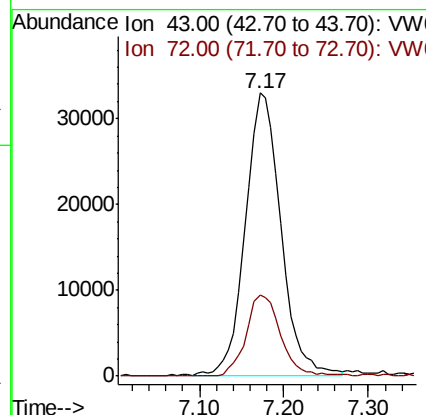
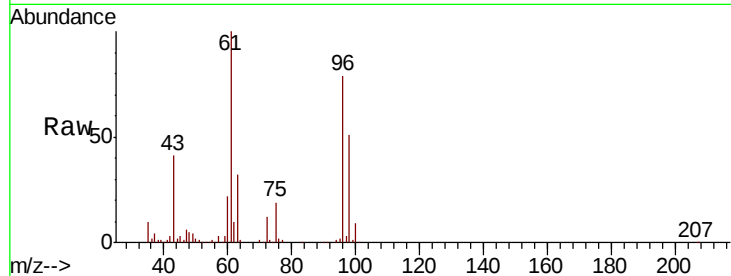
VSTD025109

Tot Ion: 43 Resp: 93453

Ion Ratio Lower Upper

43 100

72 27.0 7.0 21.1#



#23

Bromochloromethane

Concen: 25.553 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Tgt Ion: 128 Resp: 78841

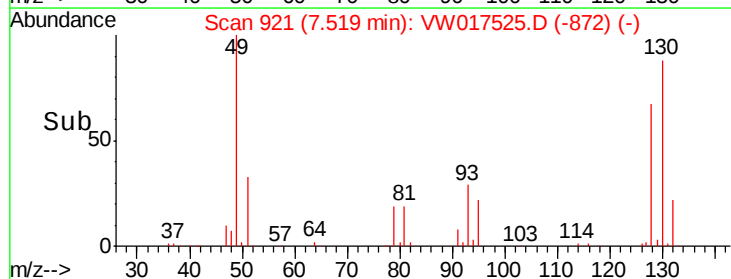
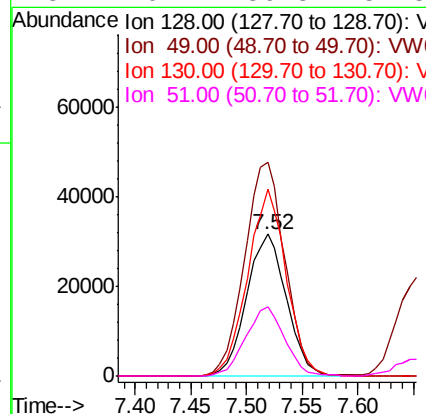
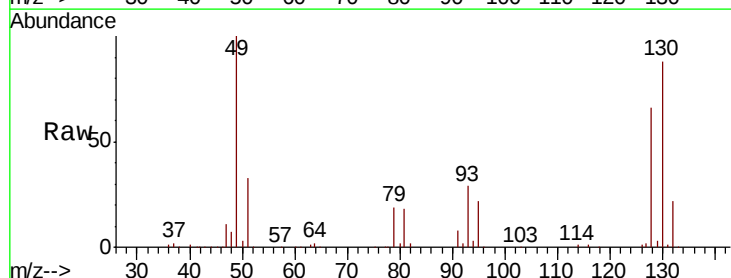
Ion Ratio Lower Upper

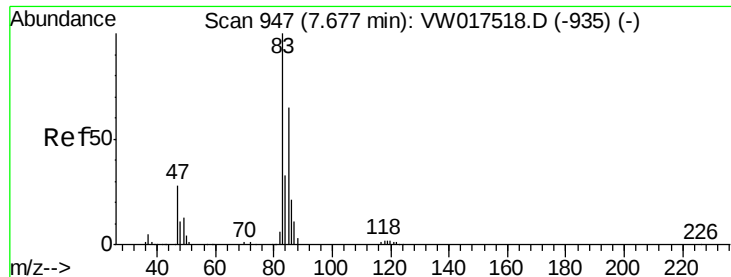
128 100

49 150.6 104.7 194.4

130 131.8 90.8 168.6

51 49.2 36.3 54.5

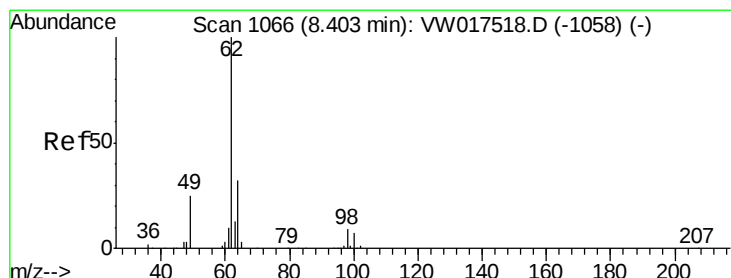
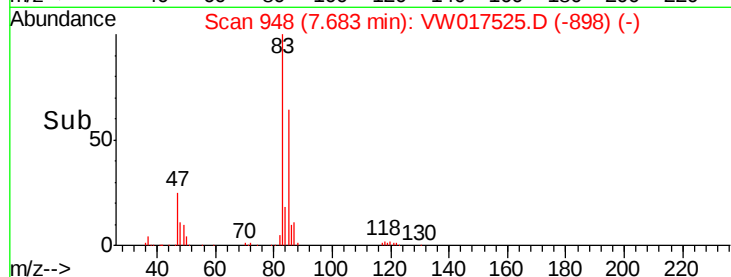
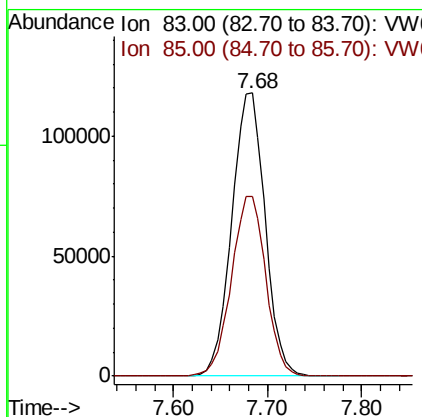
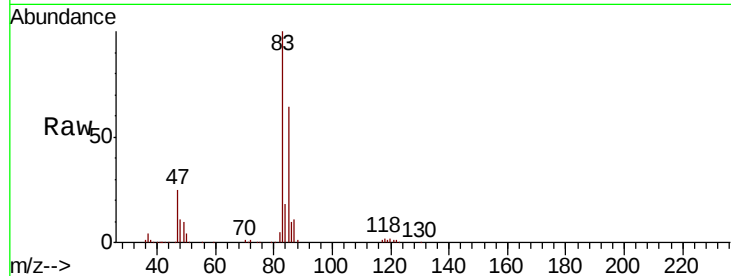




#25
Chloroform
Concen: 25.601 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

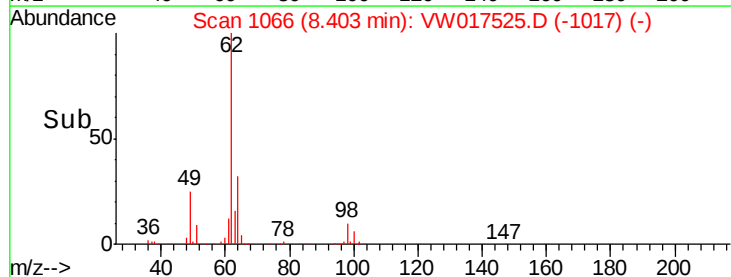
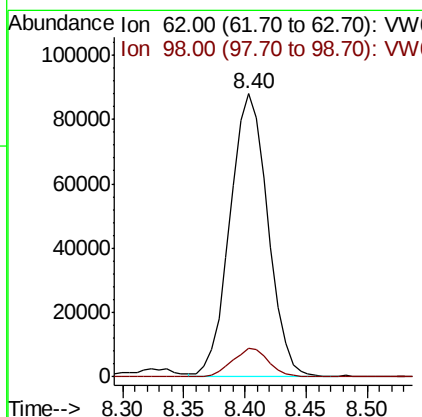
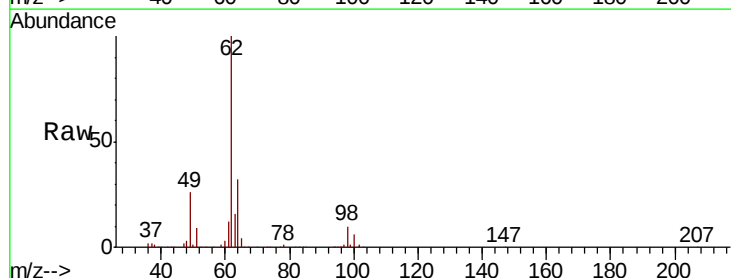
Instrument :
MSVOA_W
ClientSampleId :
VSTD025109

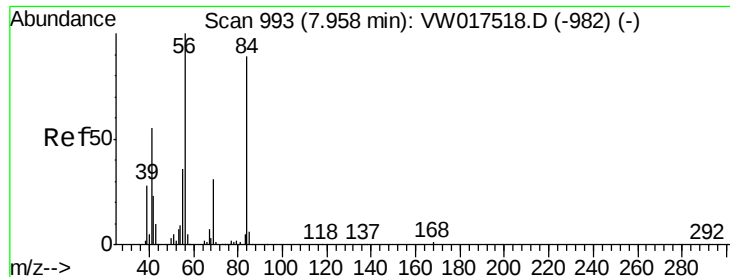
Tot Ion: 83 Resp: 291085
Ion Ratio Lower Upper
83 100
85 63.6 45.6 84.8



#27
1,2-Dichloroethane
Concen: 26.154 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

Tgt Ion: 62 Resp: 189187
Ion Ratio Lower Upper
62 100
98 10.3 7.4 11.2





#29

Cyclohexane

Concen: 25.848 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025109

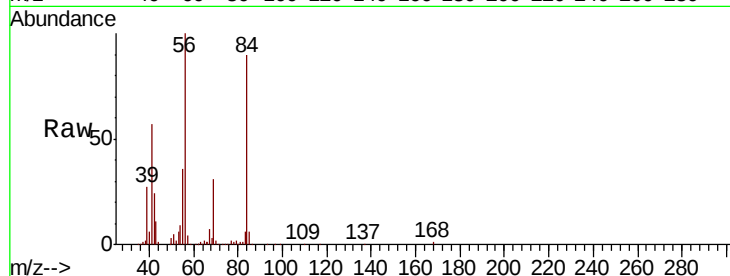
Tot Ion: 56 Resp: 237959

Ion Ratio Lower Upper

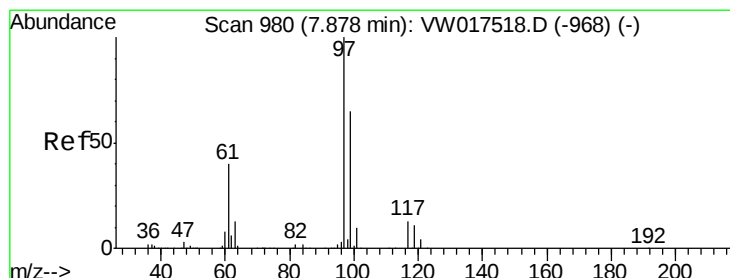
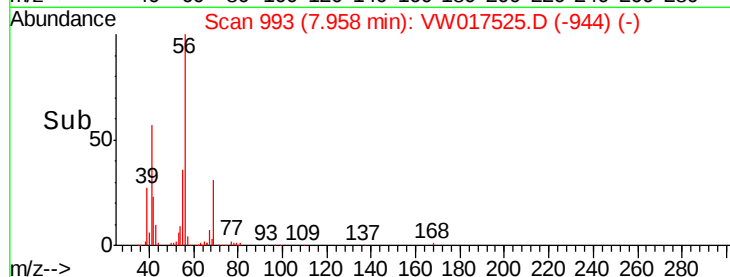
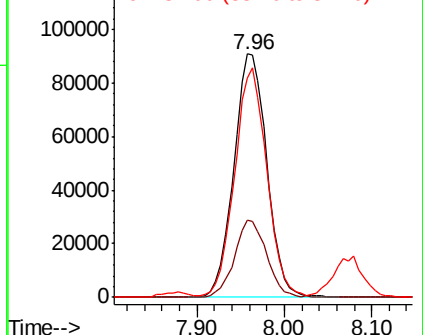
56 100

69 30.8 24.8 37.2

84 92.2 73.3 109.9



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: 25.182 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

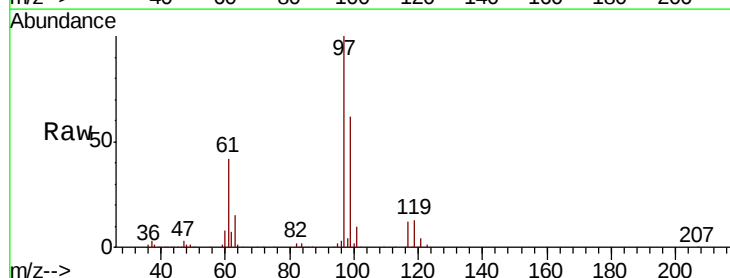
Tgt Ion: 97 Resp: 243769

Ion Ratio Lower Upper

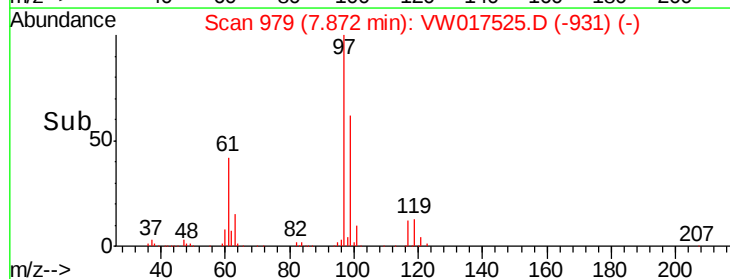
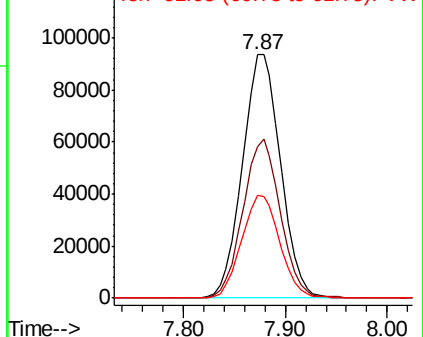
97 100

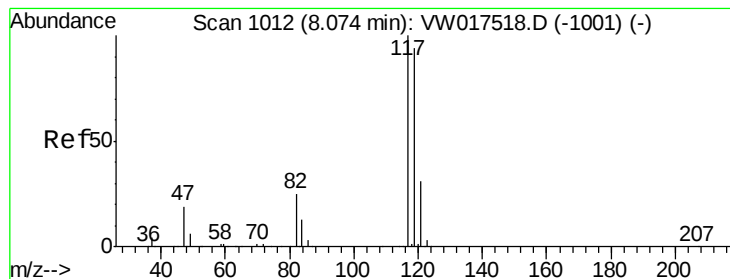
99 63.6 51.0 76.4

61 42.2 33.7 50.5



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

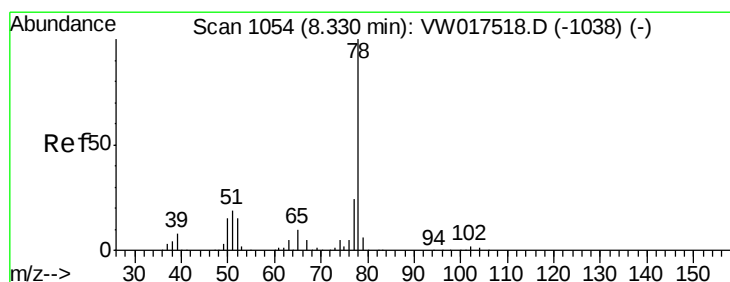
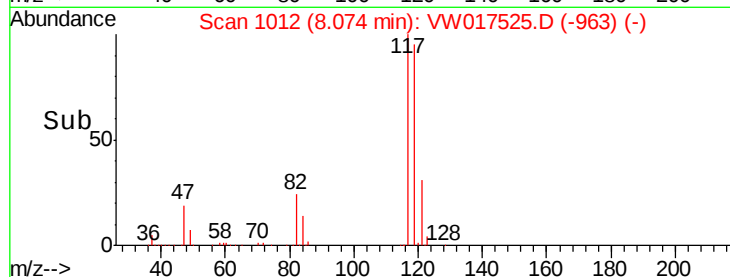
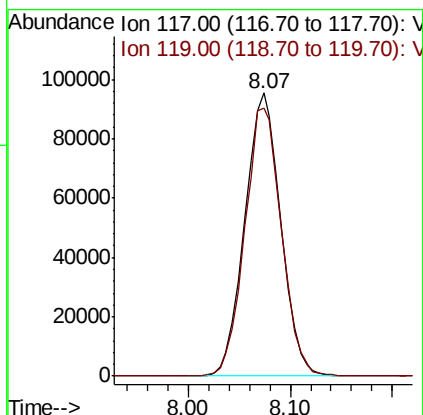
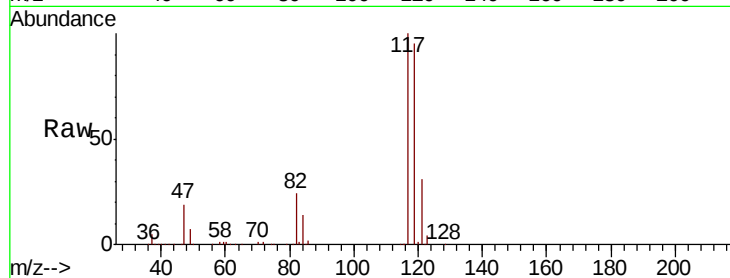




#31
Carbon tetrachloride
Concen: 24.810 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

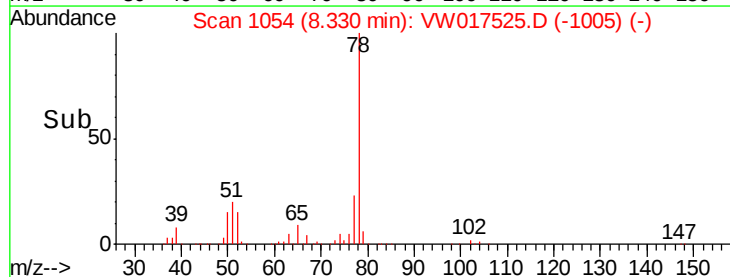
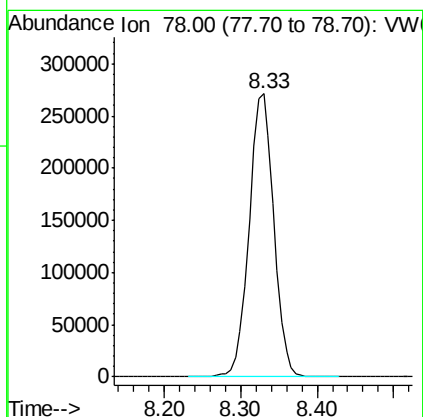
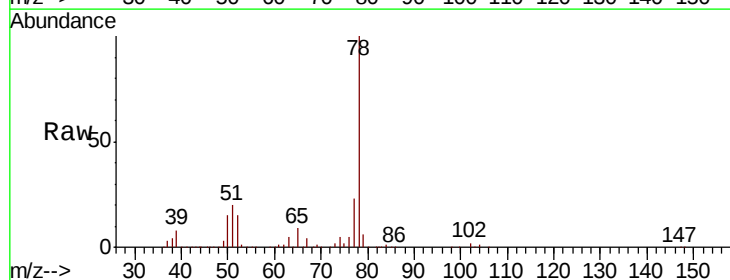
Instrument :
MSVOA_W
ClientSampleId :
VSTD025109

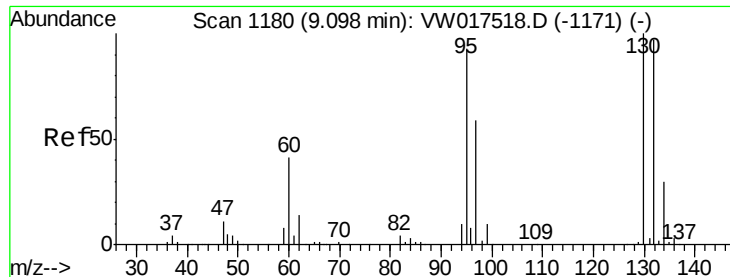
Tot Ion:117 Resp: 233885
Ion Ratio Lower Upper
117 100
119 96.6 76.6 114.8



#33
Benzene
Concen: 25.239 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

Tgt Ion: 78 Resp: 611511





#34

Trichloroethene

Concen: 24.656 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampled :

VSTD025109

Tot Ion: 95 Resp: 164850

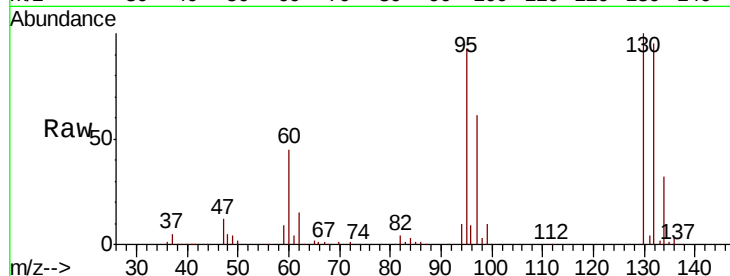
Ion Ratio Lower Upper

95 100

97 65.6 44.4 82.4

132 102.7 72.7 135.1

130 107.7 75.4 140.0

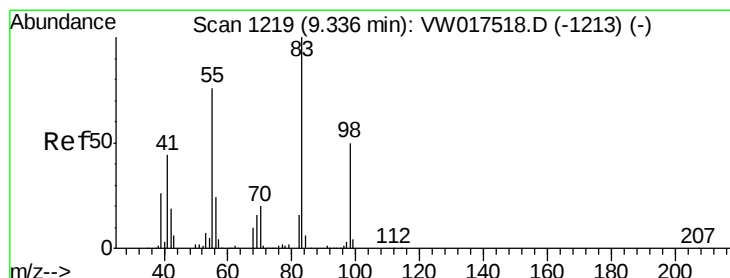
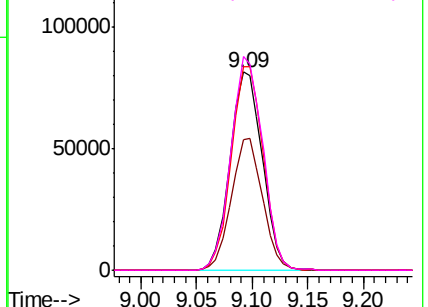
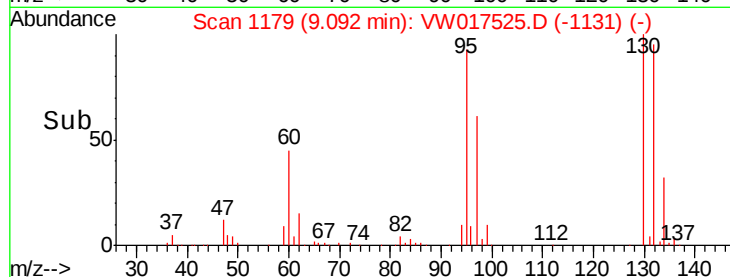


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#35

Methylcyclohexane

Concen: 25.394 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

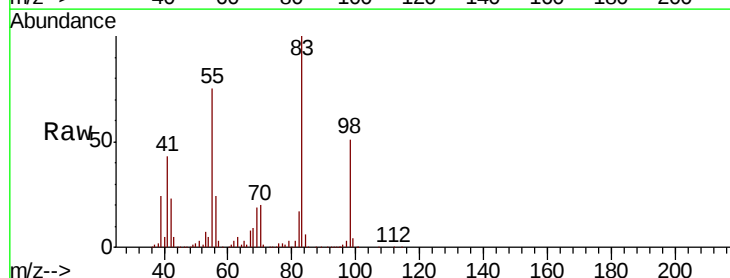
Tgt Ion: 83 Resp: 273481

Ion Ratio Lower Upper

83 100

55 75.0 58.2 87.2

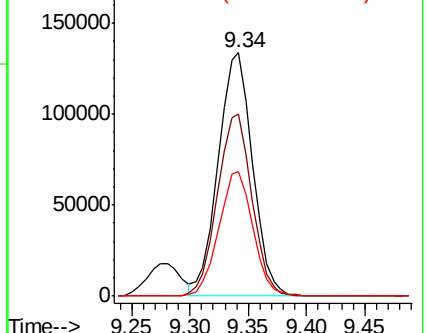
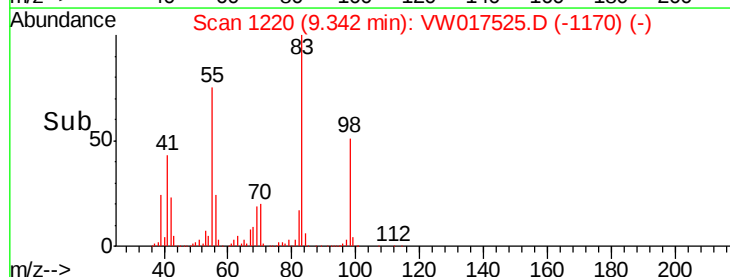
98 51.0 39.9 59.9

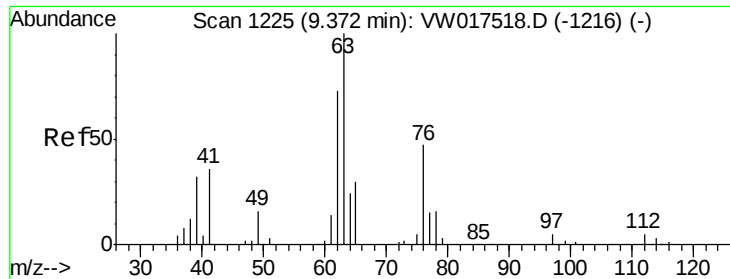


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

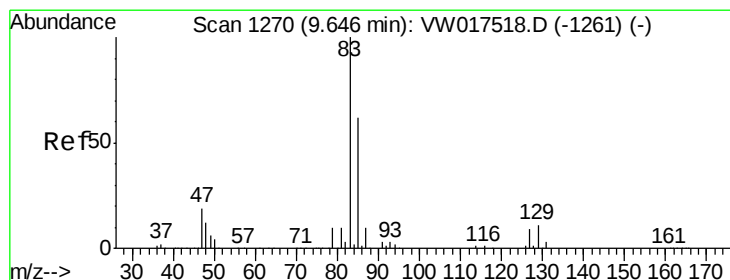
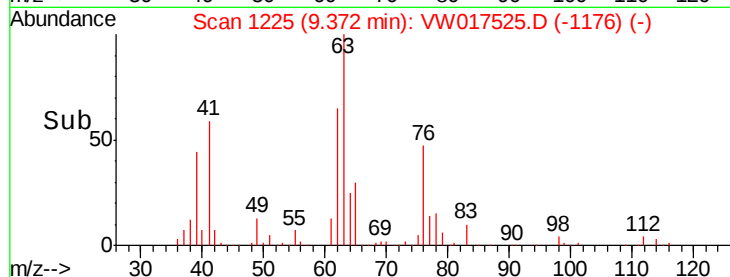
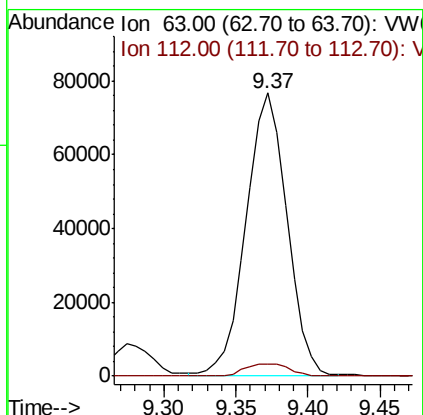
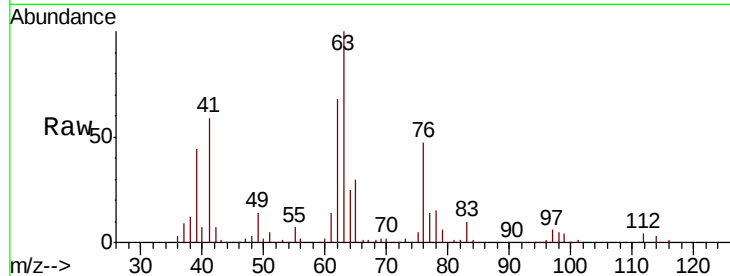




#37
 1,2-Dichloropropane
 Concen: 25.639 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017525.D
 Acq: 02 Dec 2020 17:02

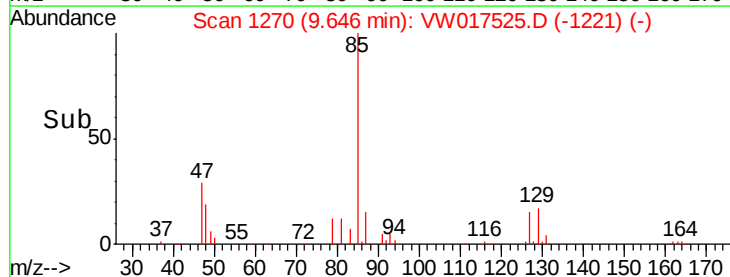
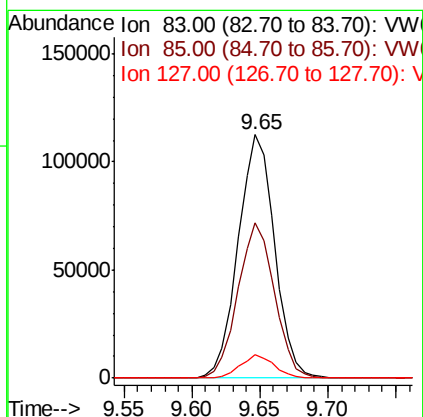
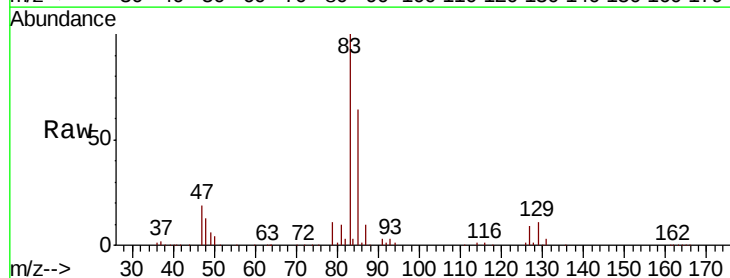
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025109

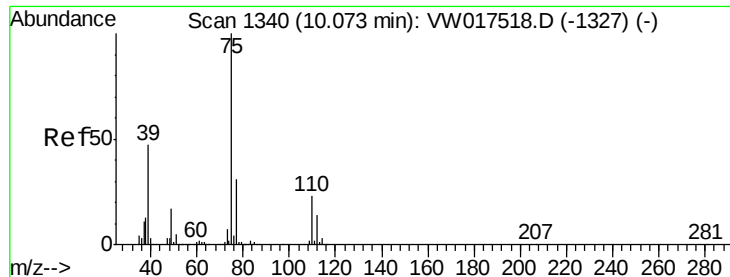
Tot Ion: 63 Resp: 151674
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.8



#38
 Bromodichloromethane
 Concen: 25.485 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017525.D
 Acq: 02 Dec 2020 17:02

Tgt Ion: 83 Resp: 210683
 Ion Ratio Lower Upper
 83 100
 85 63.8 43.3 80.5
 127 9.4 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 26.184 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampled :

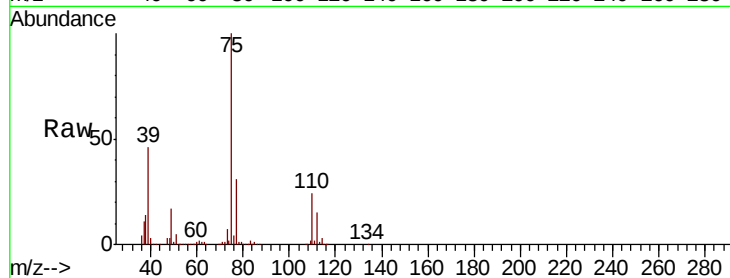
VSTD025109

Tot Ion: 75 Resp: 243771

Ion Ratio Lower Upper

75 100

77 30.7 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

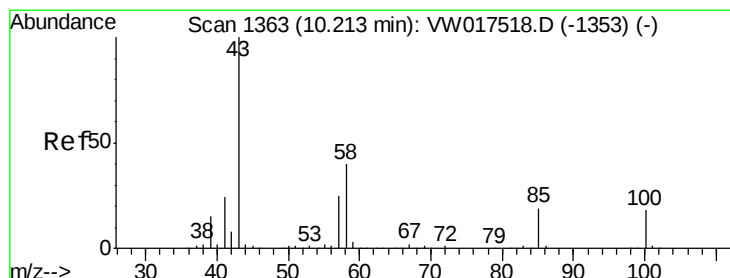
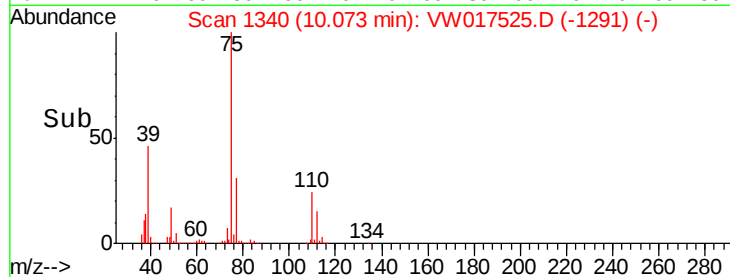
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 54.490 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

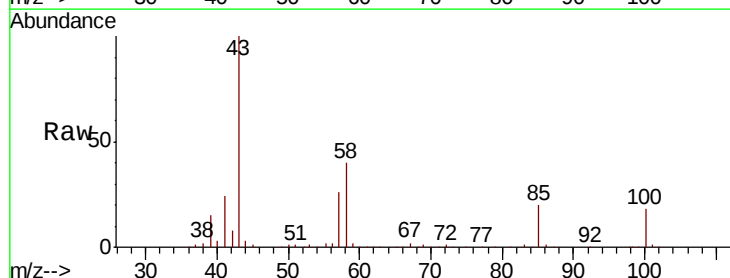
Tgt Ion: 43 Resp: 181124

Ion Ratio Lower Upper

43 100

58 38.5 30.8 46.2

100 16.2 12.9 19.3



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

200000

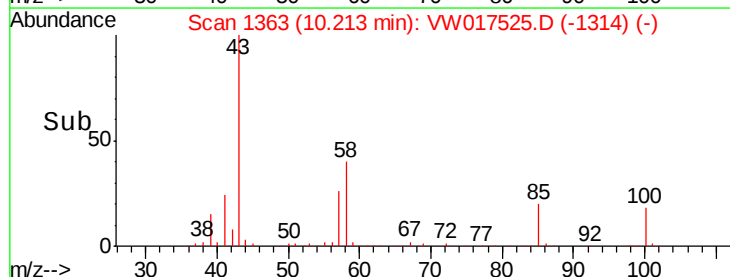
150000

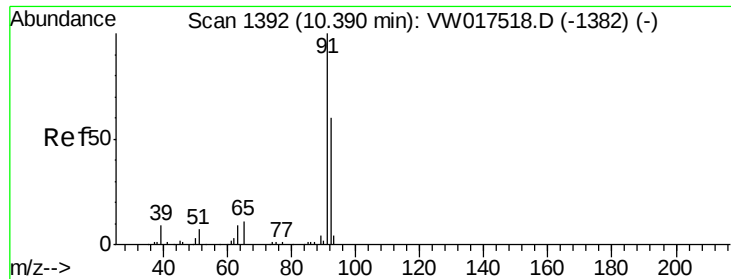
100000

50000

0

Time-->





#42

Toluene

Concen: 26.063 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

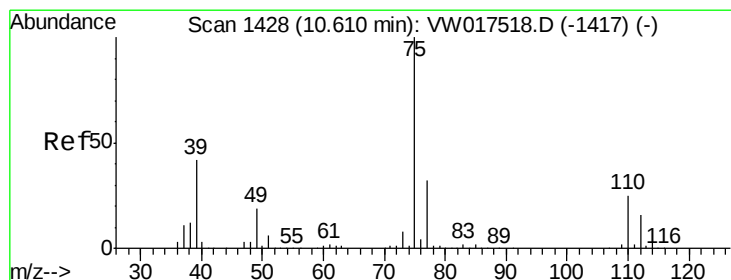
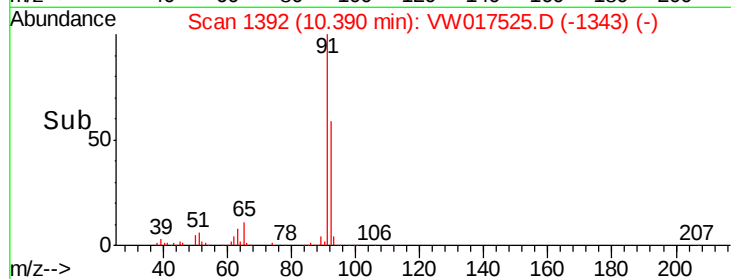
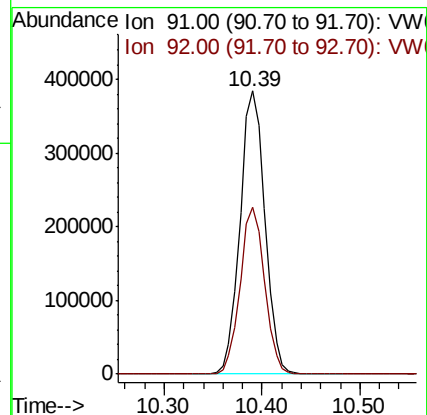
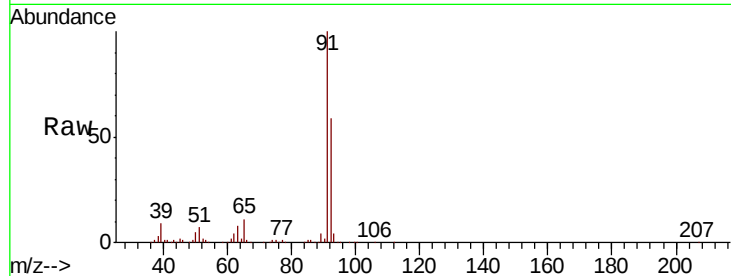
VSTD025109

Tot Ion: 91 Resp: 679069

Ion Ratio Lower Upper

91 100

92 58.8 42.3 78.5



#44

trans-1,3-Dichloropropene

Concen: 26.293 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017525.D

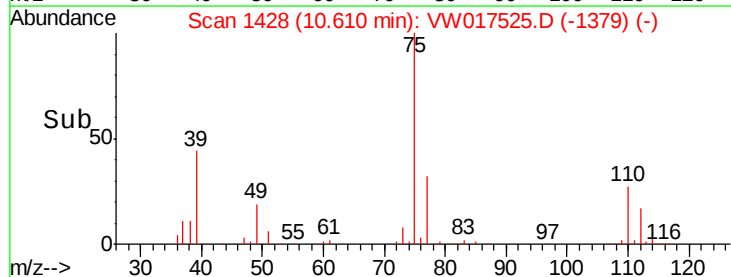
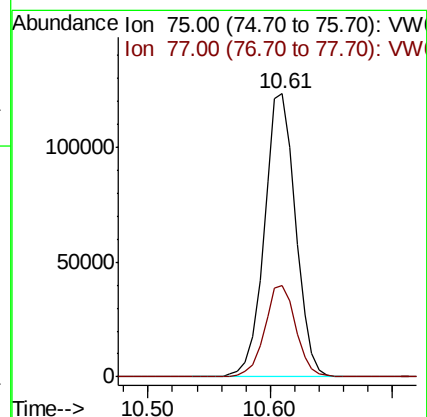
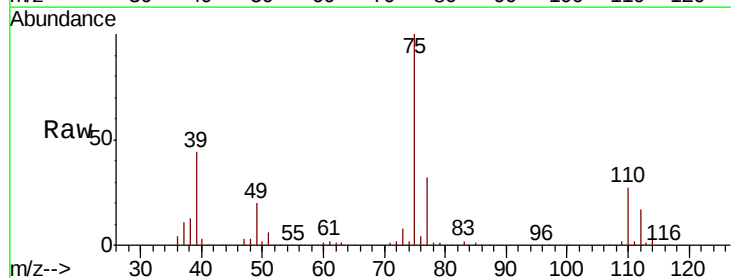
Acq: 02 Dec 2020 17:02

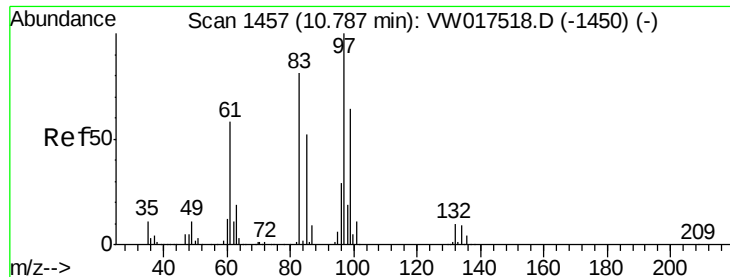
Tgt Ion: 75 Resp: 219400

Ion Ratio Lower Upper

75 100

77 32.4 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 26.480 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025109

Tot Ion: 97 Resp: 123838

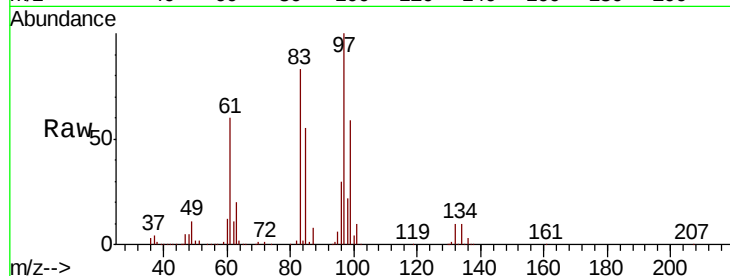
Ion Ratio Lower Upper

97 100

99 58.9 44.5 82.7

83 82.9 56.7 105.3

85 54.9 36.5 67.7

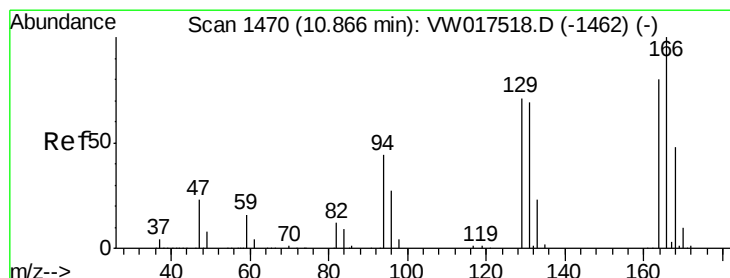
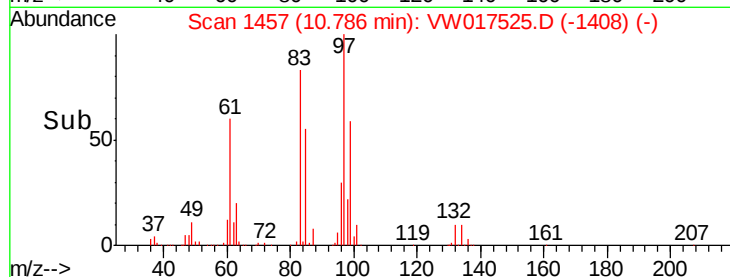
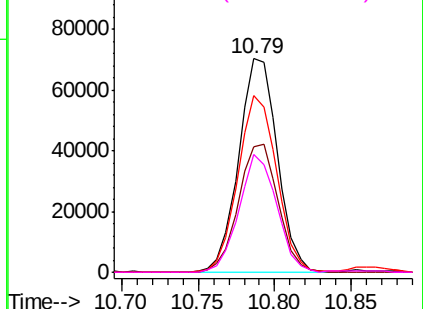


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 24.256 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Tgt Ion:164 Resp: 134571

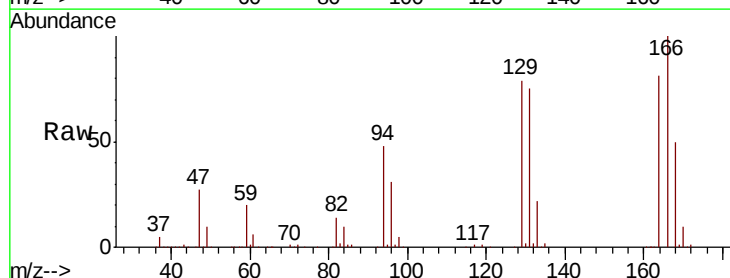
Ion Ratio Lower Upper

164 100

129 98.3 61.9 115.1

131 93.6 60.4 112.2

166 124.1 87.5 162.5

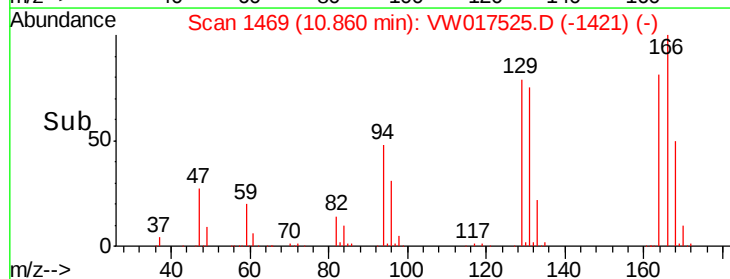
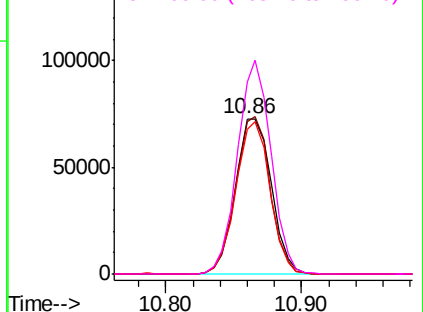


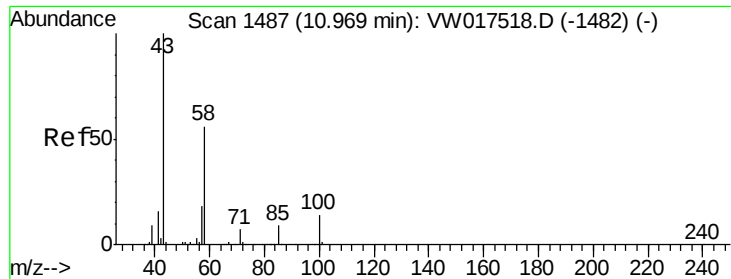
Abundance Ion 164.00 (163.70 to 164.70): V

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

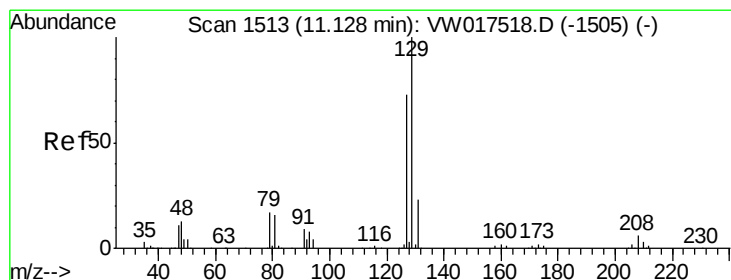
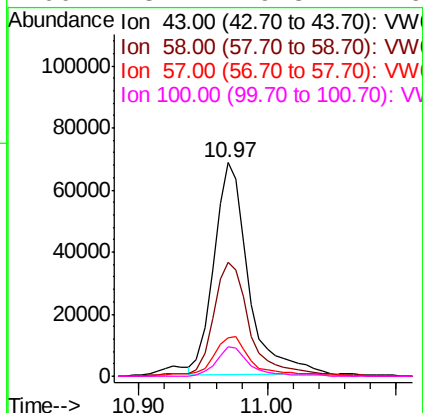
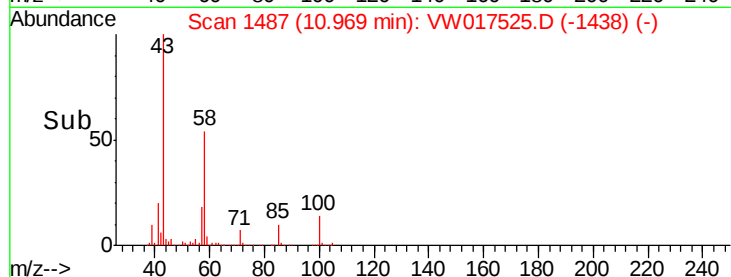
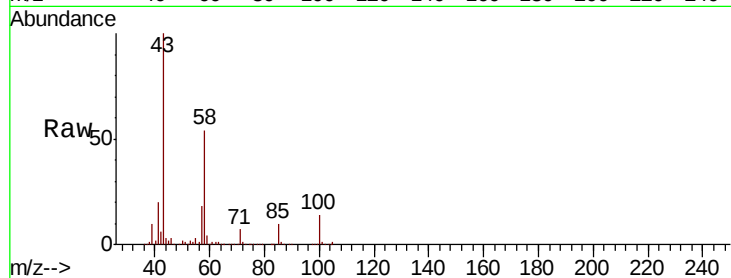




#48
2-Hexanone
Concen: 55.293 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

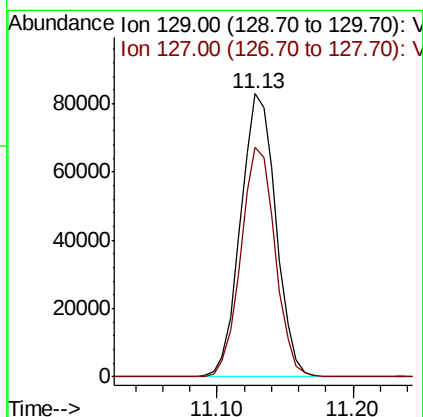
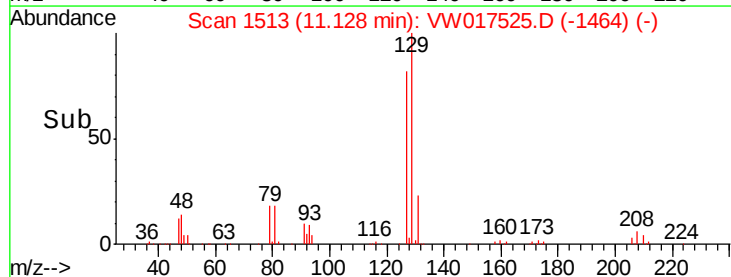
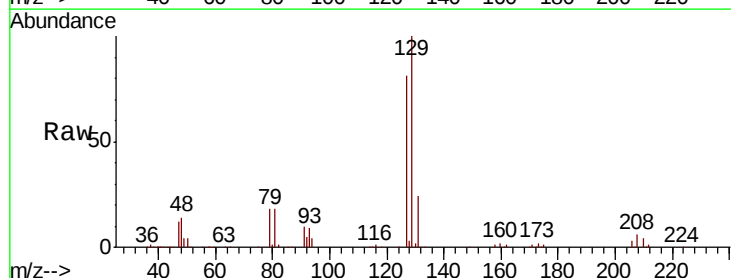
Instrument :
MSVOA_W
ClientSampleId :
VSTD025109

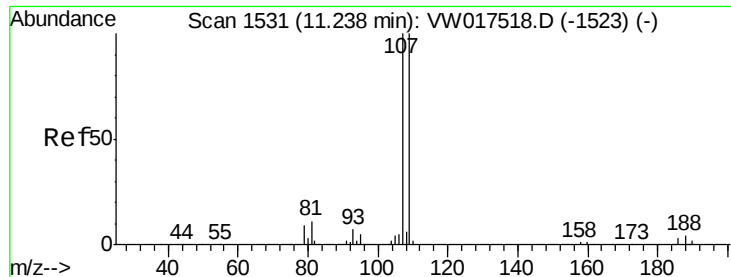
Tot Ion: 43 Resp: 127094
Ion Ratio Lower Upper
43 100
58 57.2 44.5 66.7
57 19.4 14.7 22.1
100 13.4 9.8 14.6



#49
Dibromochloromethane
Concen: 25.759 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

Tgt Ion: 129 Resp: 150172
Ion Ratio Lower Upper
129 100
127 81.3 51.2 95.2

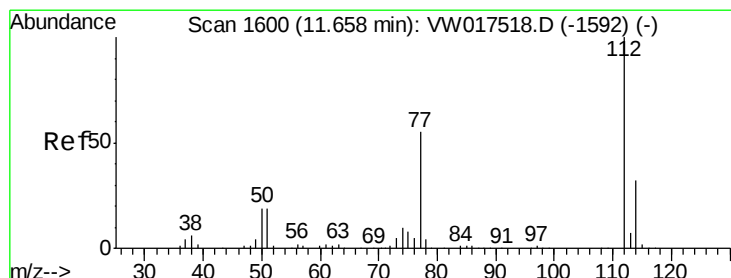
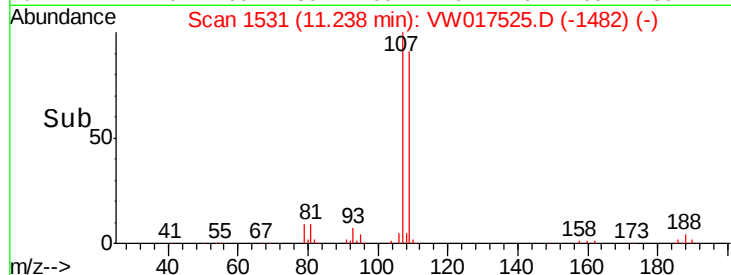
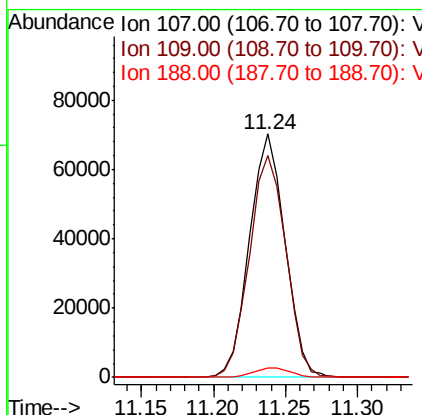
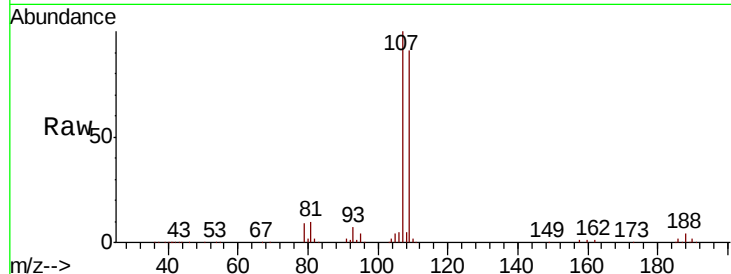




#50
1,2-Dibromoethane
Concen: 26.238 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

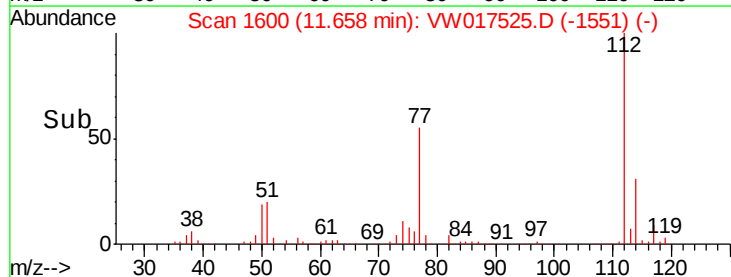
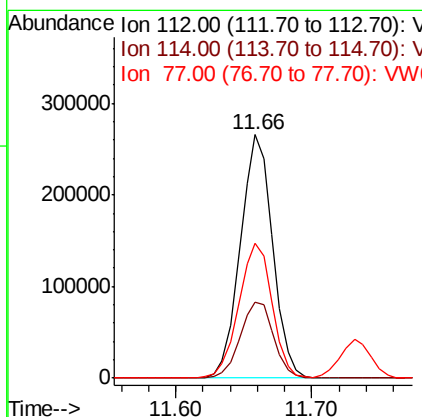
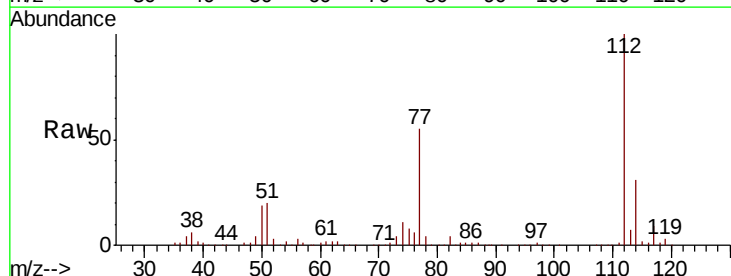
Instrument :
MSVOA_W
ClientSampleId :
VSTD025109

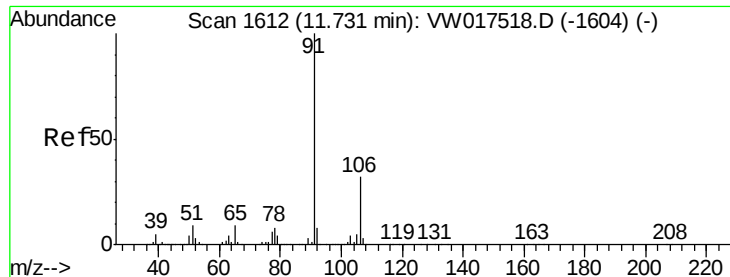
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	70.1	130.1
188	3.6	3.0	4.4



#51
Chlorobenzene
Concen: 25.493 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.6	42.0
77	55.4	44.3	66.5

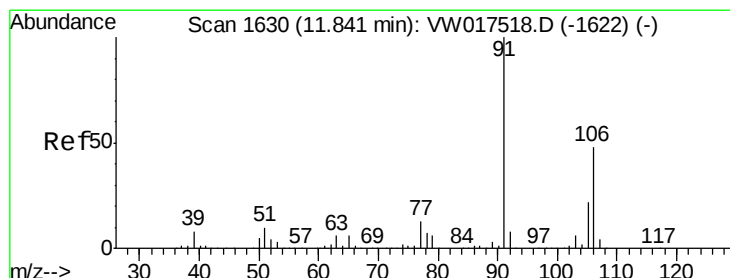
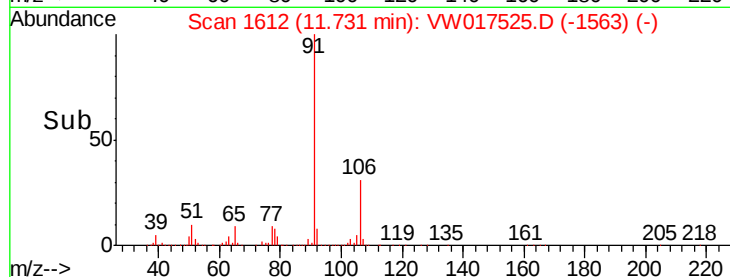
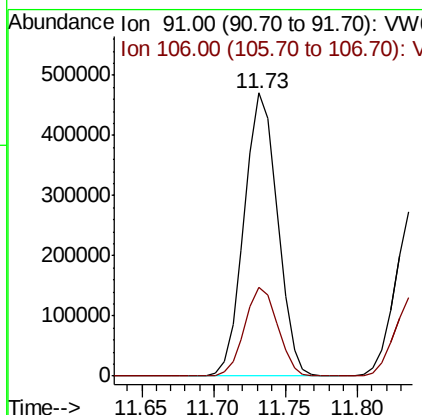
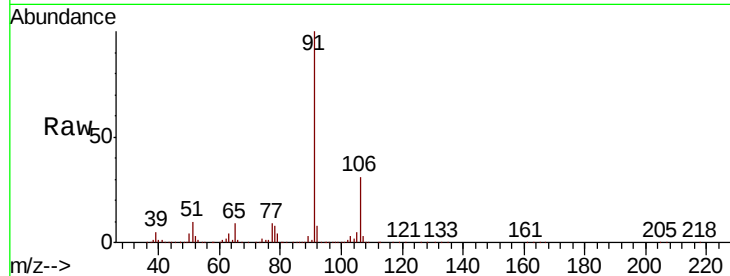




#52
Ethylbenzene
Concen: 25.715 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

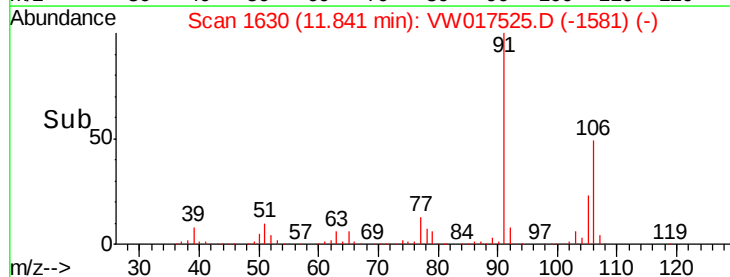
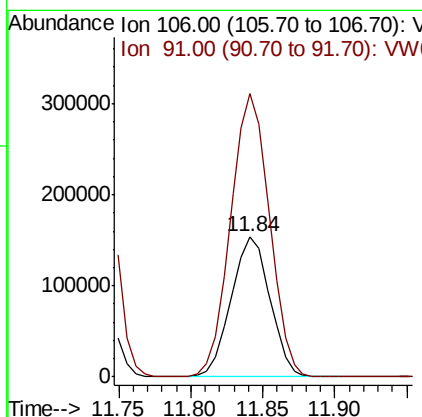
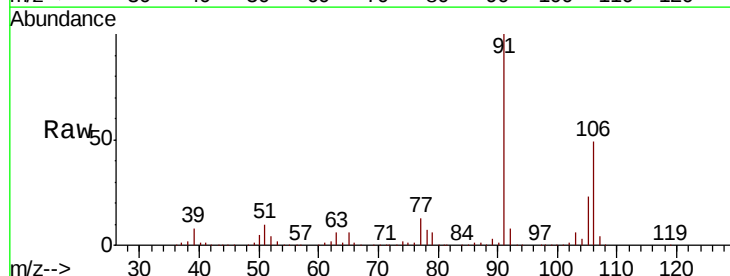
Instrument :
MSVOA_W
ClientSampleID :
VSTD025109

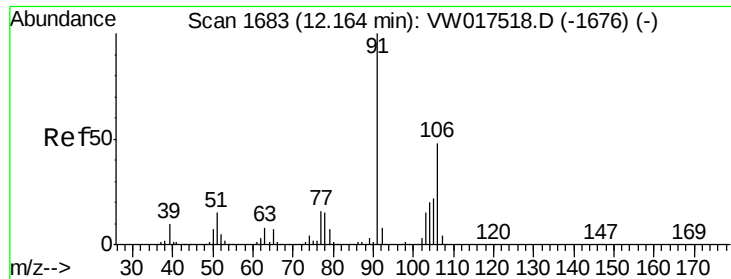
Tot Ion: 91 Resp: 757573
Ion Ratio Lower Upper
91 100
106 31.3 22.3 41.3



#53
m,p-Xylene
Concen: 25.958 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

Tgt Ion: 106 Resp: 288978
Ion Ratio Lower Upper
106 100
91 202.2 145.4 270.0

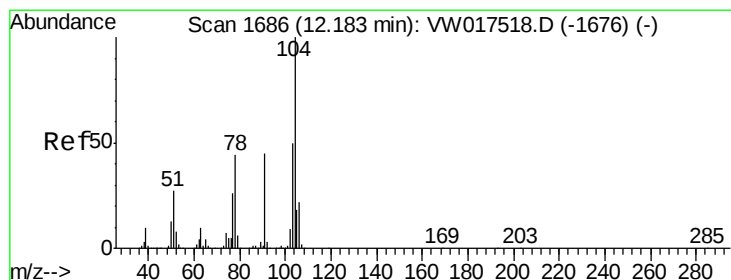
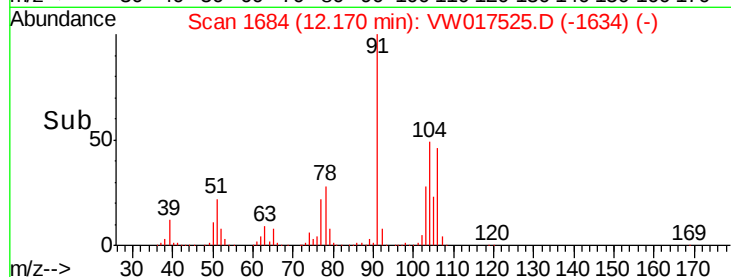
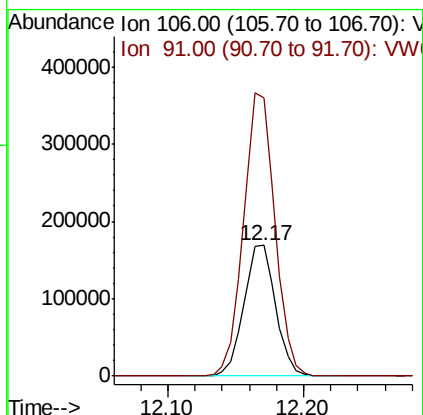
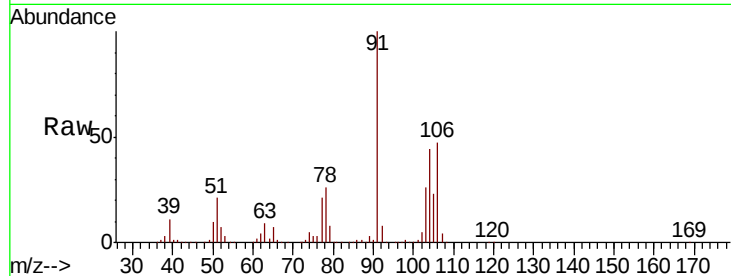




#54
o-Xylene
Concen: 26.059 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

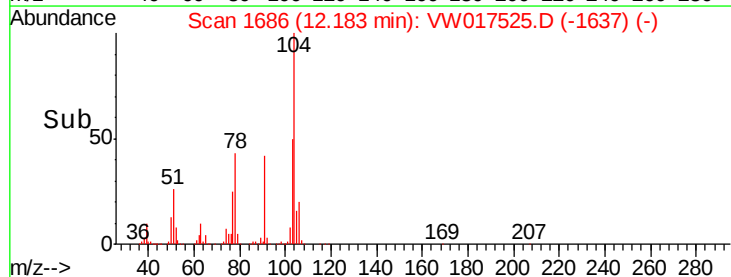
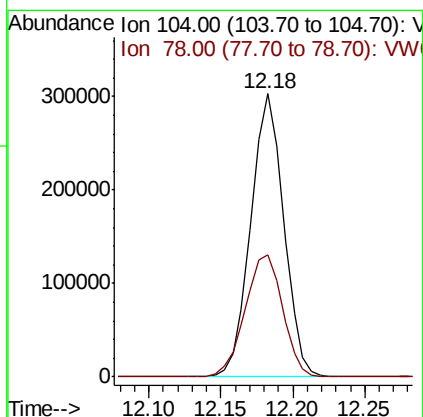
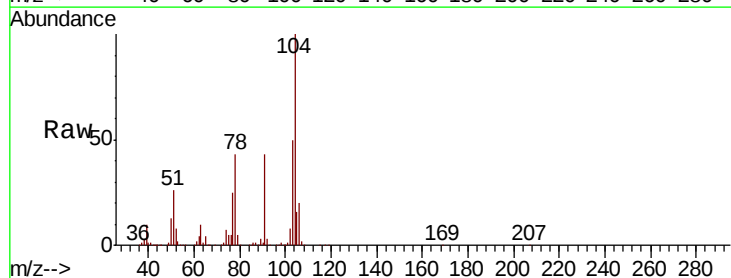
Instrument :
MSVOA_W
ClientSampled :
VSTD025109

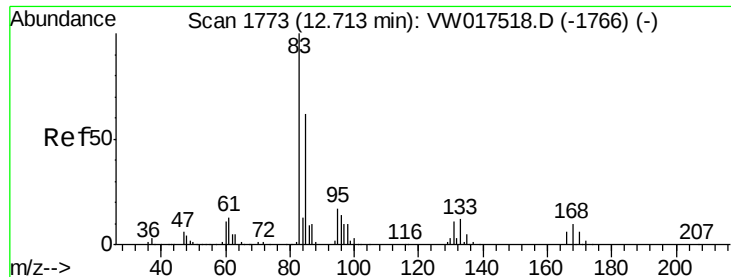
Tot Ion:106 Resp: 275424
Ion Ratio Lower Upper
106 100
91 213.3 146.0 271.2



#55
Styrene
Concen: 26.515 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

Tgt Ion:104 Resp: 478780
Ion Ratio Lower Upper
104 100
78 43.1 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 26.607 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025109

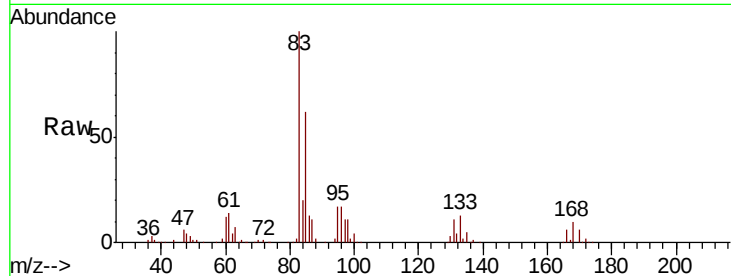
Tot Ion: 83 Resp: 145092

Ion Ratio Lower Upper

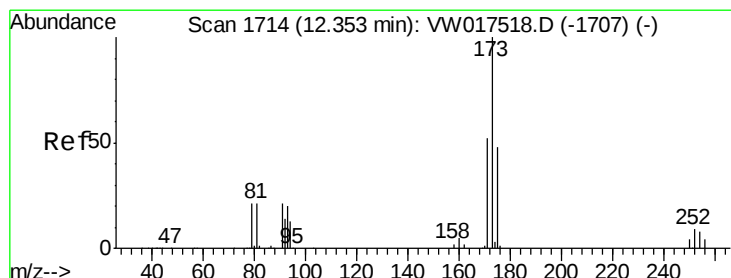
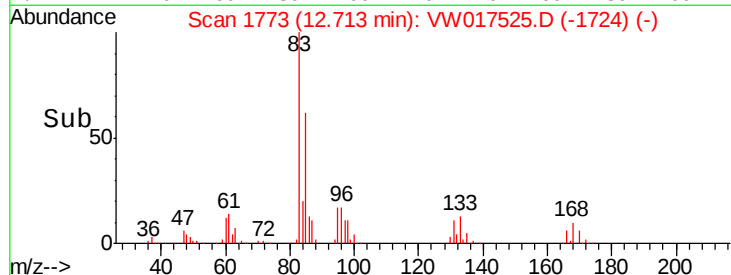
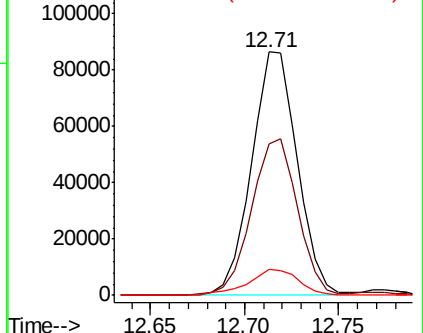
83 100

85 62.4 43.3 80.3

131 10.9 9.1 13.7



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 131.00 (130.70 to 131.70): V



#59

Bromoform

Concen: 26.161 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

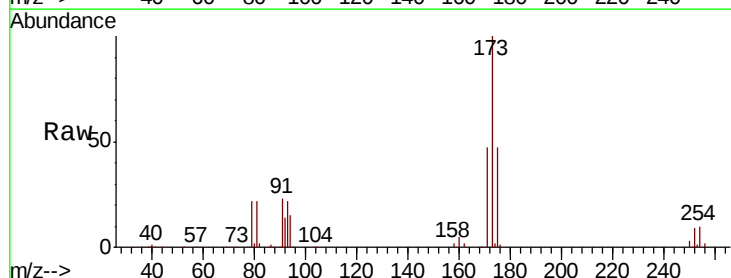
Tgt Ion: 173 Resp: 90535

Ion Ratio Lower Upper

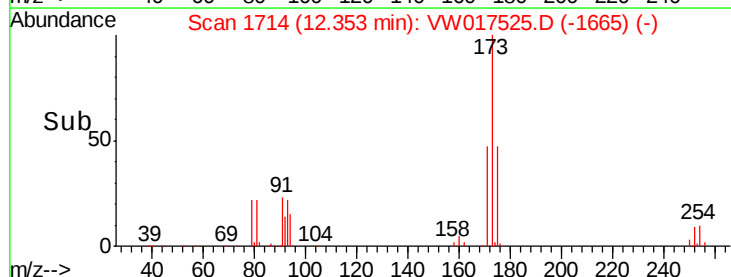
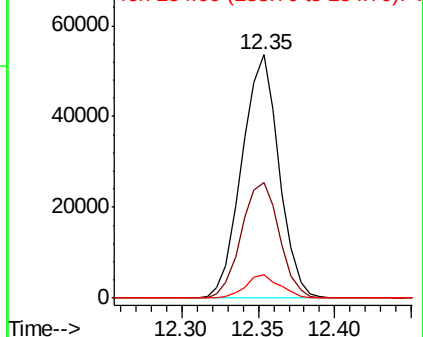
173 100

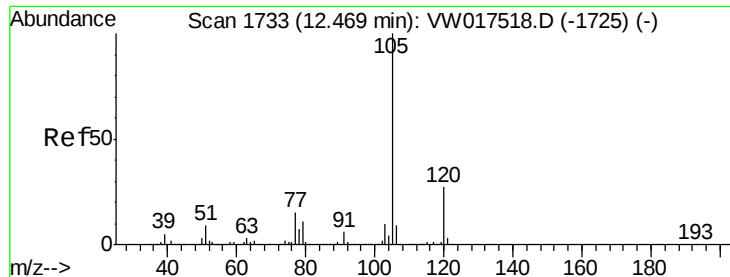
175 48.7 38.9 58.3

254 9.2 6.7 10.1



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V





#60

Isopropylbenzene

Concen: 25.906 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025109

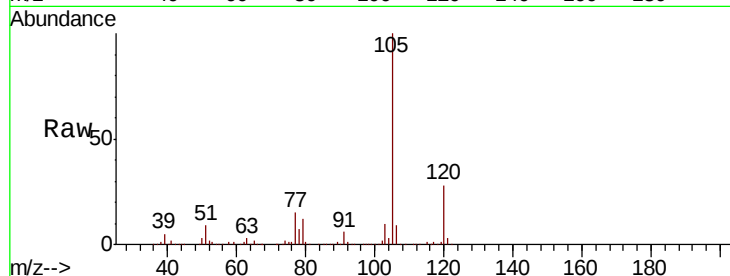
Tot Ion: 105 Resp: 755972

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

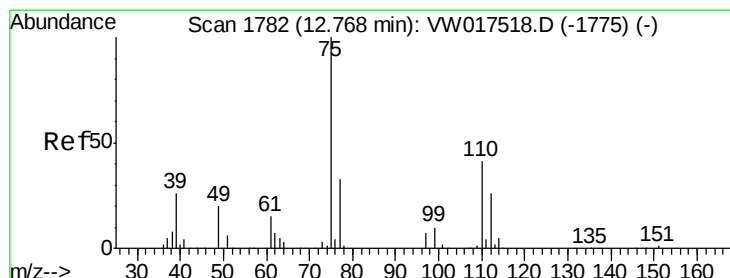
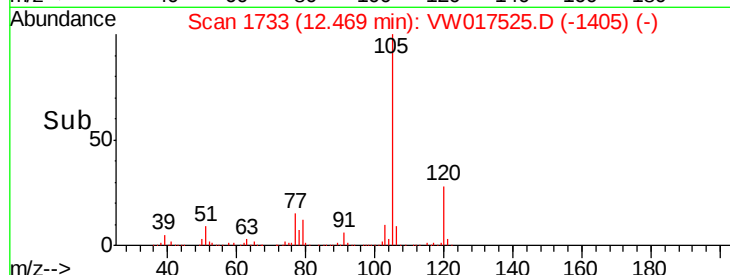
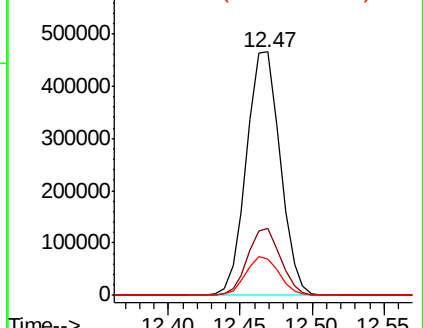
77 15.5 12.2 18.4



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: 26.458 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

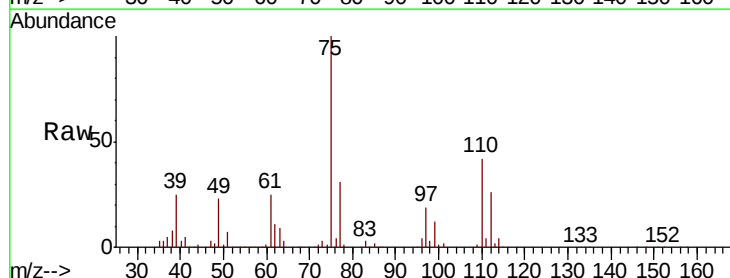
Tgt Ion: 75 Resp: 108087

Ion Ratio Lower Upper

75 100

77 32.4 26.6 40.0

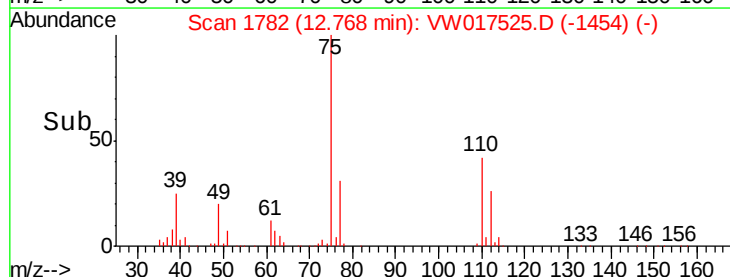
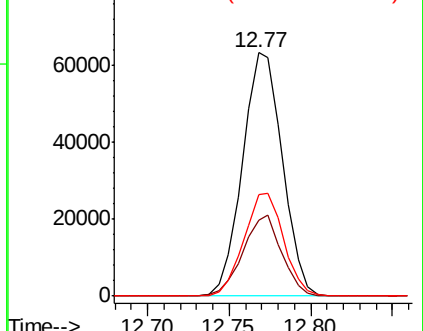
110 42.1 34.4 51.6

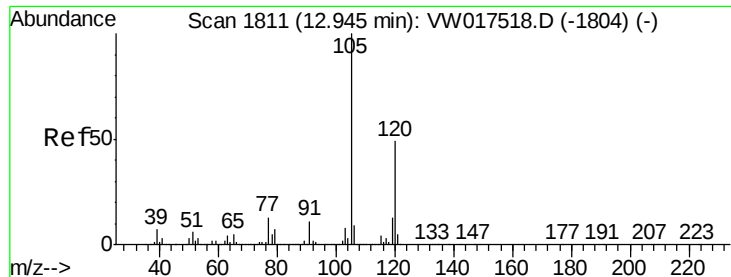


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V

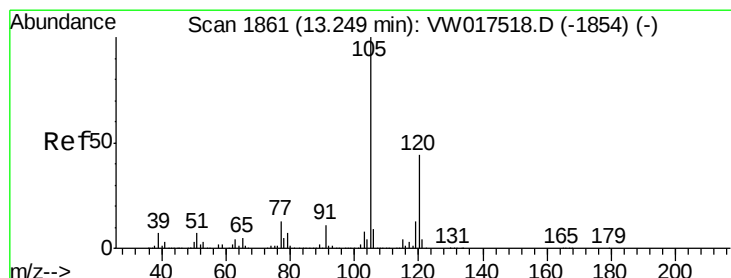
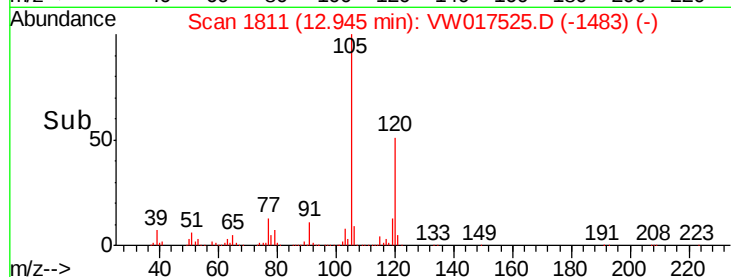
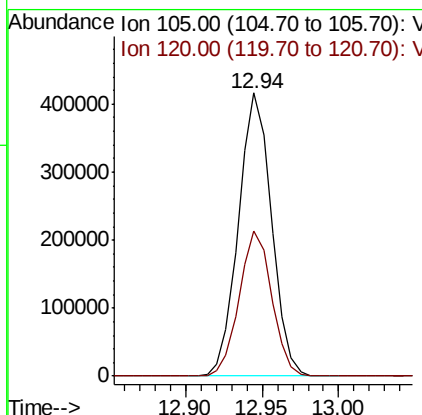
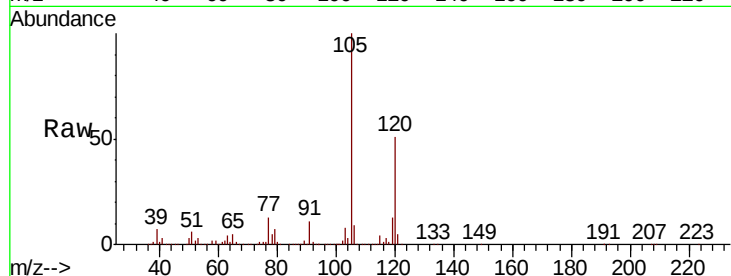




#62
 1,3,5-Trimethylbenzene
 Concen: 26.201 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW017525.D
 Acq: 02 Dec 2020 17:02

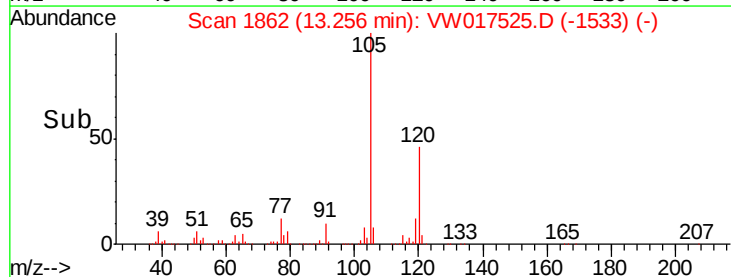
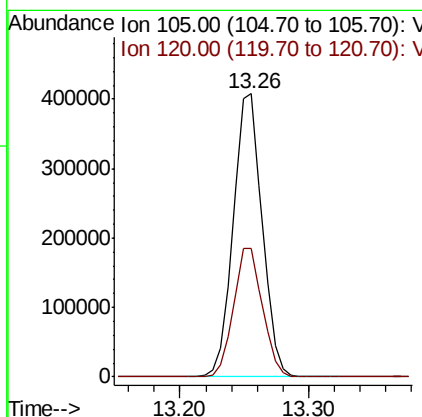
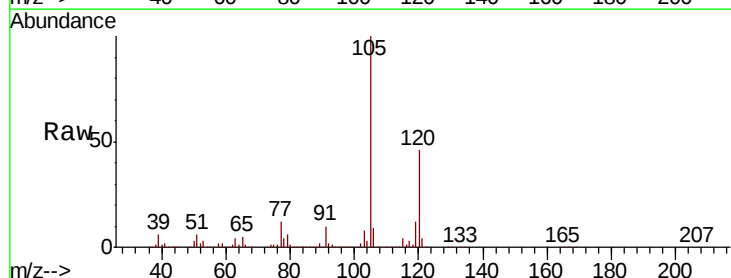
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025109

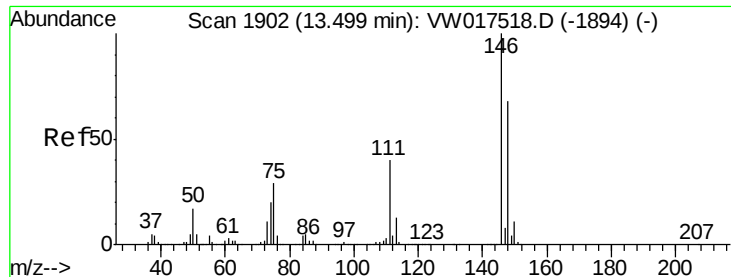
Tot Ion:105 Resp: 622969
 Ion Ratio Lower Upper
 105 100
 120 50.7 38.9 58.3



#63
 1,2,4-Trimethylbenzene
 Concen: 27.068 ug/L
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VW017525.D
 Acq: 02 Dec 2020 17:02

Tgt Ion:105 Resp: 635888
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.8 55.2

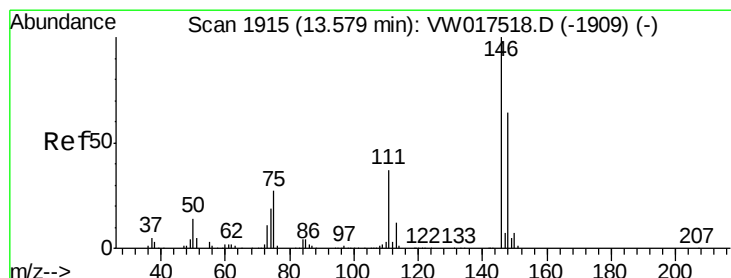
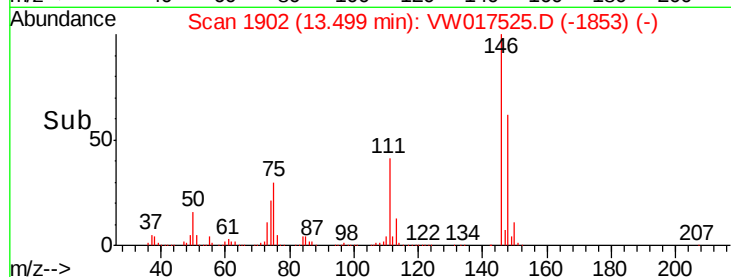
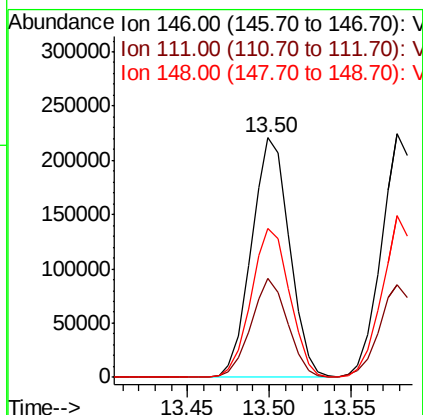
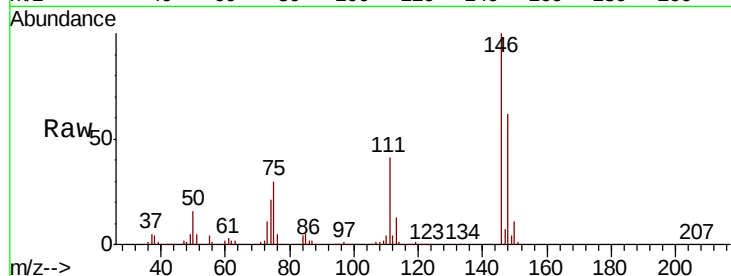




#64
 1,3-Dichlorobenzene
 Concen: 25.749 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017525.D
 Acq: 02 Dec 2020 17:02

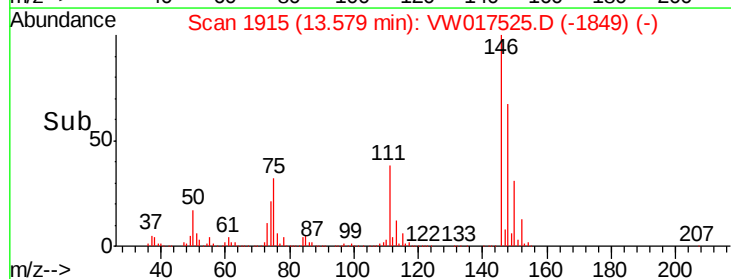
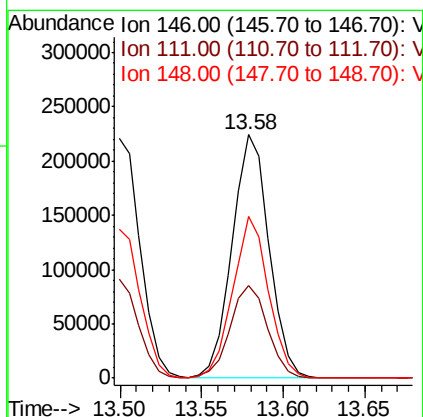
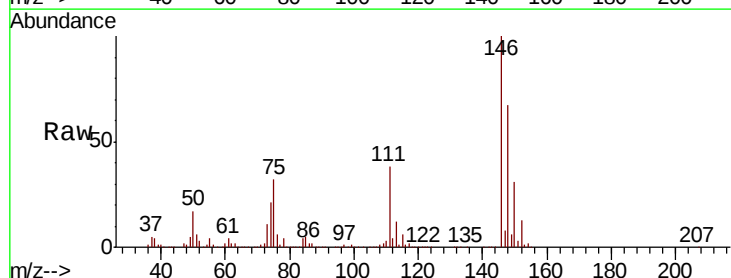
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025109

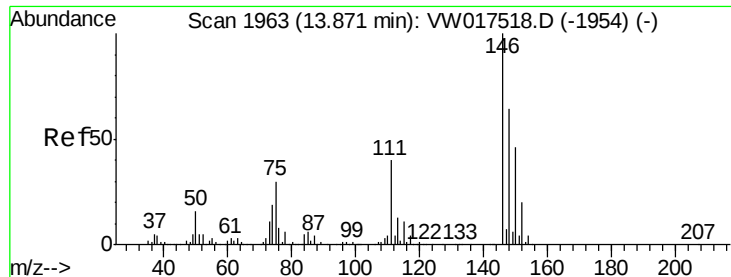
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	27.9	51.9
148	62.0	47.3	87.8



#65
 1,4-Dichlorobenzene
 Concen: 25.109 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017525.D
 Acq: 02 Dec 2020 17:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	26.3	48.9
148	66.6	44.9	83.3





#67

1,2-Dichlorobenzene

Concen: 25.676 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampled :

VSTD025109

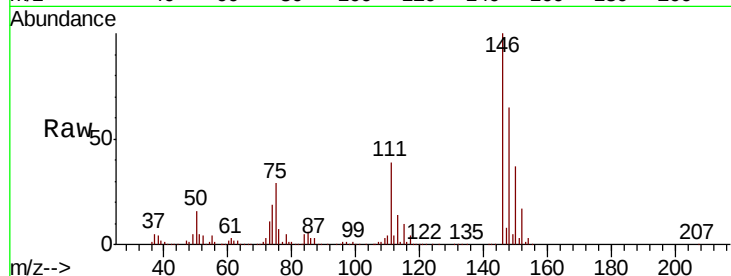
Tot Ion:146 Resp: 323096

Ion Ratio Lower Upper

146 100

111 39.1 32.4 48.6

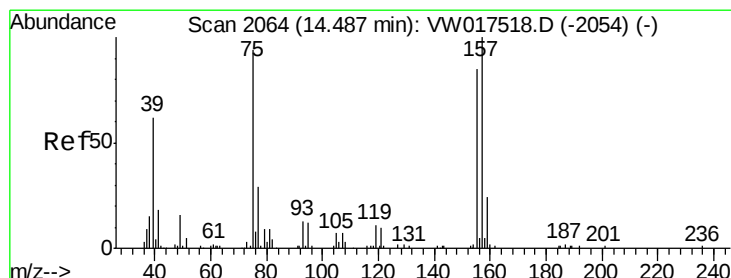
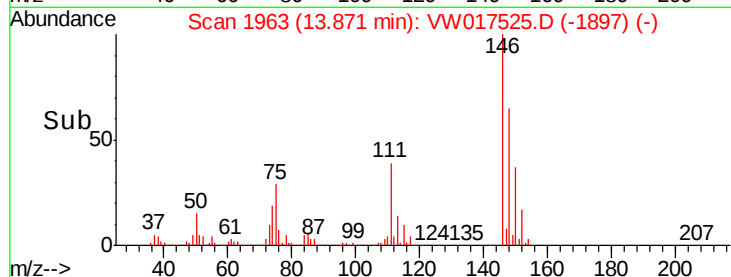
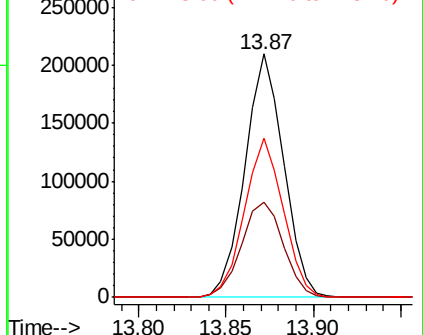
148 65.1 51.3 76.9



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



#68

1,2-Dibromo-3-chloropropane

Concen: 27.285 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

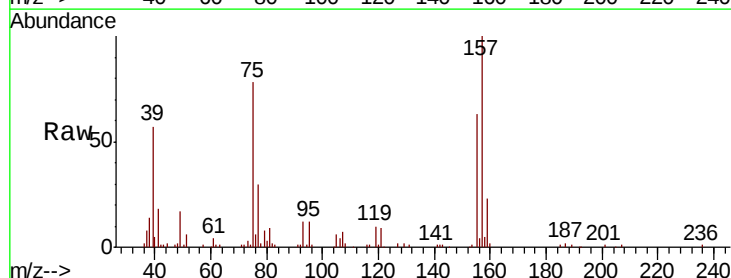
Tgt Ion: 75 Resp: 25533

Ion Ratio Lower Upper

75 100

155 79.7 72.6 109.0

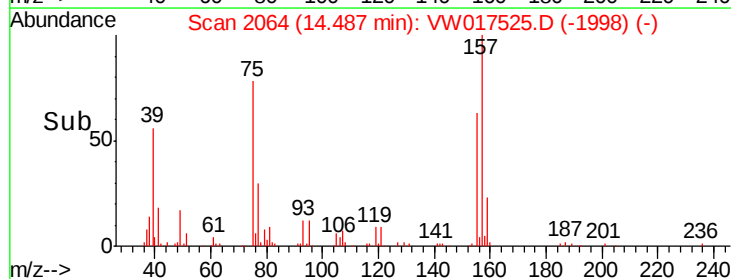
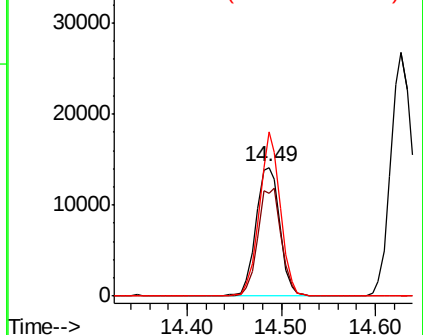
157 127.4 85.2 127.8

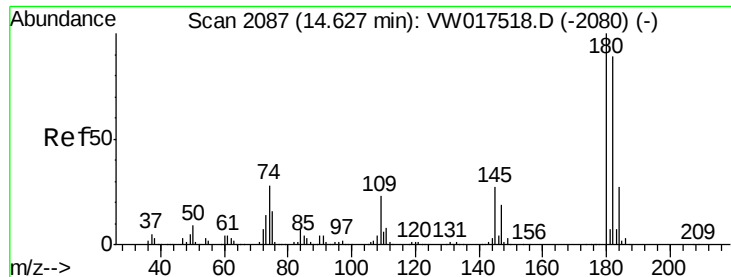


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#69

1,3,5-Trichlorobenzene

Concen: 25.418 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025109

Tot Ion:180 Resp: 257702

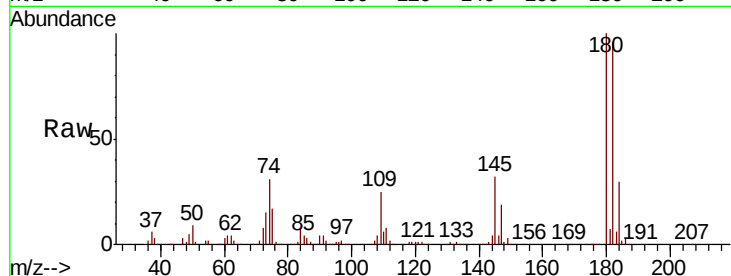
Ion Ratio Lower Upper

180 100

182 96.2 74.9 112.3

184 30.4 23.8 35.6

145 30.3 23.1 34.7

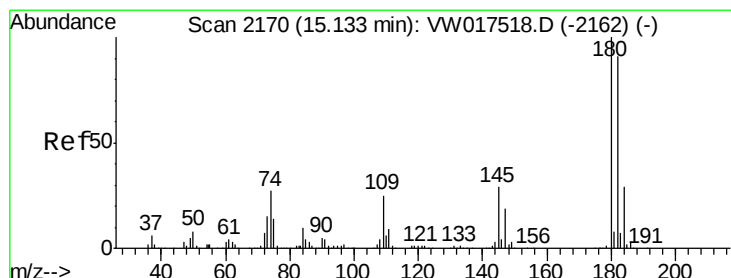
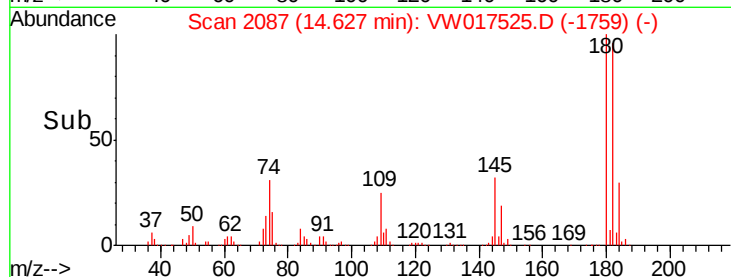
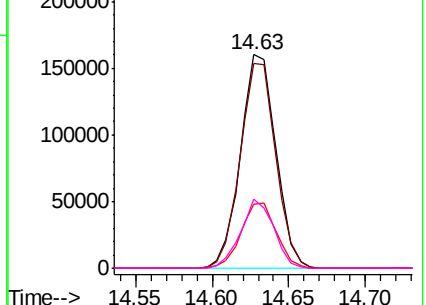


Abundance Ion 180.00 (179.70 to 180.70): V

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: 26.392 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW017525.D

Acq: 02 Dec 2020 17:02

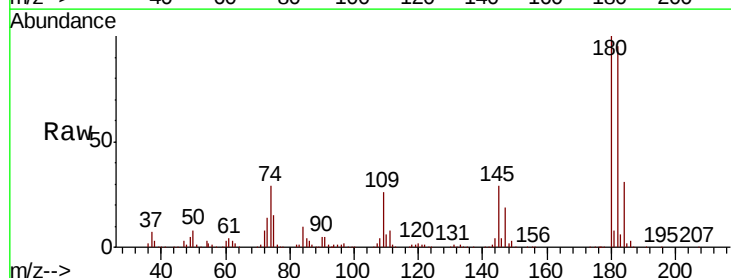
Tgt Ion:180 Resp: 224853

Ion Ratio Lower Upper

180 100

182 94.2 76.8 115.2

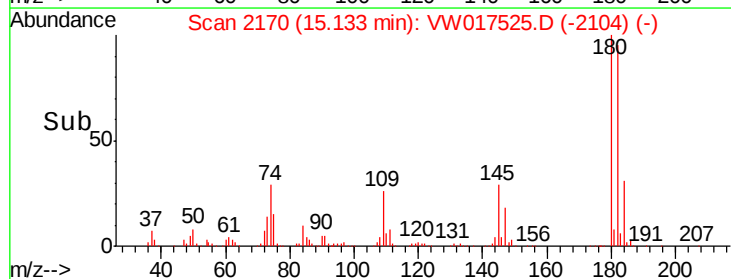
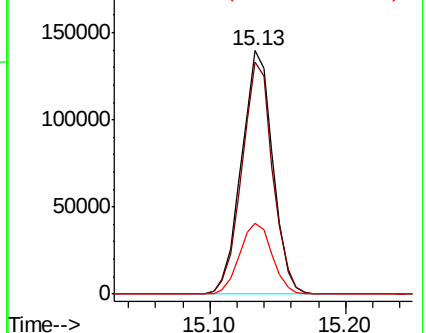
145 30.2 24.5 36.7

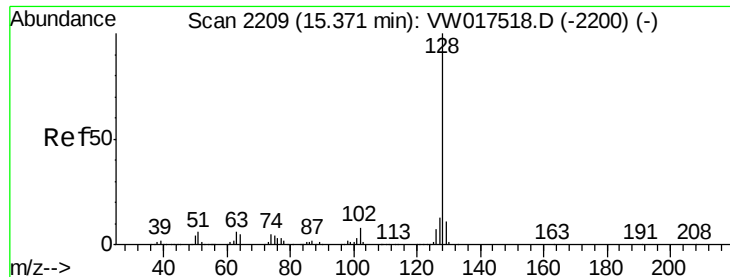


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

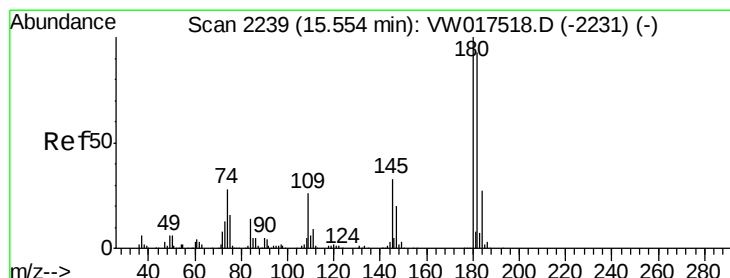
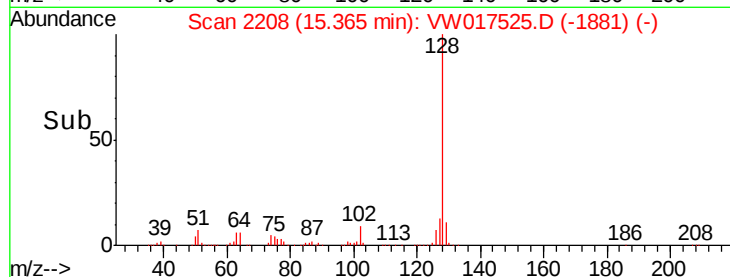
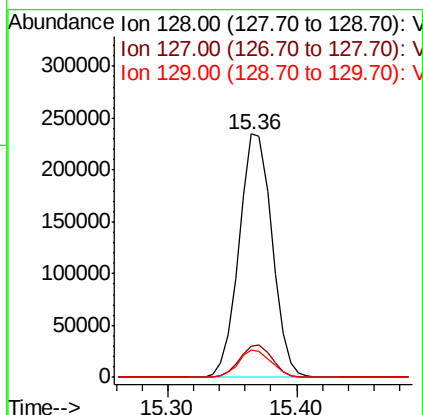
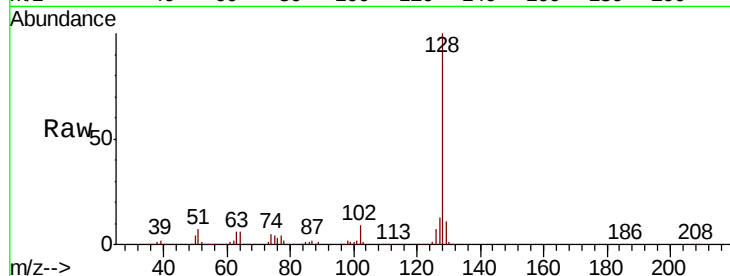




#71
Naphthalene
Concen: 29.161 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

Instrument :
MSVOA_W
ClientSampleId :
VSTD025109

Tot Ion:128 Resp: 416881
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 11.1 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 28.381 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW017525.D
Acq: 02 Dec 2020 17:02

Tgt Ion:180 Resp: 208613
Ion Ratio Lower Upper
180 100
182 93.2 79.0 118.6
145 31.5 26.8 40.2

