

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092220\
 Data File : VW016596.D
 Acq On : 21 Sep 2020 14:42
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025109

Quant Time: Sep 22 02:57:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM091820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Sep 21 15:24:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	574486	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	500115	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	252521	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	161379	25.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.60%
7) Chloroethane-d5	2.90	69	130039	24.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.72%
11) 1,1-Dichloroethene-d2	4.03	63	328174	24.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.92%
21) 2-Butanone-d5	7.09	46	84782	58.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.84%
24) Chloroform-d	7.65	84	338279	24.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.96%
26) 1,2-Dichloroethane-d4	8.31	65	176379	25.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.08%
32) Benzene-d6	8.28	84	632756	24.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.08%
36) 1,2-Dichloropropane-d6	9.27	67	177581	25.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.12%
41) Toluene-d8	10.32	98	621765	24.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	10.58	79	89243	26.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.76%
47) 2-Hexanone-d5	10.93	63	67856	61.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.76%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	159136	29.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.40%
66) 1,2-Dichlorobenzene-d4	13.85	152	233262	25.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	173687	25.074	ug/L 92
3) Chloromethane	2.23	50	127993	23.316	ug/L 99
5) Vinyl chloride	2.37	62	193310	24.565	ug/L 99
6) Bromomethane	2.79	94	141430	23.395	ug/L 99
8) Chloroethane	2.93	64	116082	24.816	ug/L 98
9) Trichlorofluoromethane	3.27	101	184778	24.757	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	183339	24.746	ug/L 97
12) 1,1-Dichloroethene	4.05	96	180993	24.425	ug/L 99
13) Acetone	4.14	43	53255	54.396	ug/L 75
14) Carbon disulfide	4.39	76	517665	23.525	ug/L 100
15) Methyl Acetate	4.68	43	66306	27.592	ug/L 97
16) Methylene chloride	4.93	84	178444	21.195	ug/L 96
17) trans-1,2-Dichloroethene	5.43	96	184223	23.963	ug/L 99
18) Methyl tert-butyl Ether	5.43	73	247585	26.218	ug/L 99
19) 1,1-Dichloroethane	6.23	63	298778	24.534	ug/L 98
20) cis-1,2-Dichloroethene	7.17	96	194510	24.340	ug/L 98
22) 2-Butanone	7.18	43	82260	49.419	ug/L 100

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 Response via : Initial Calibration

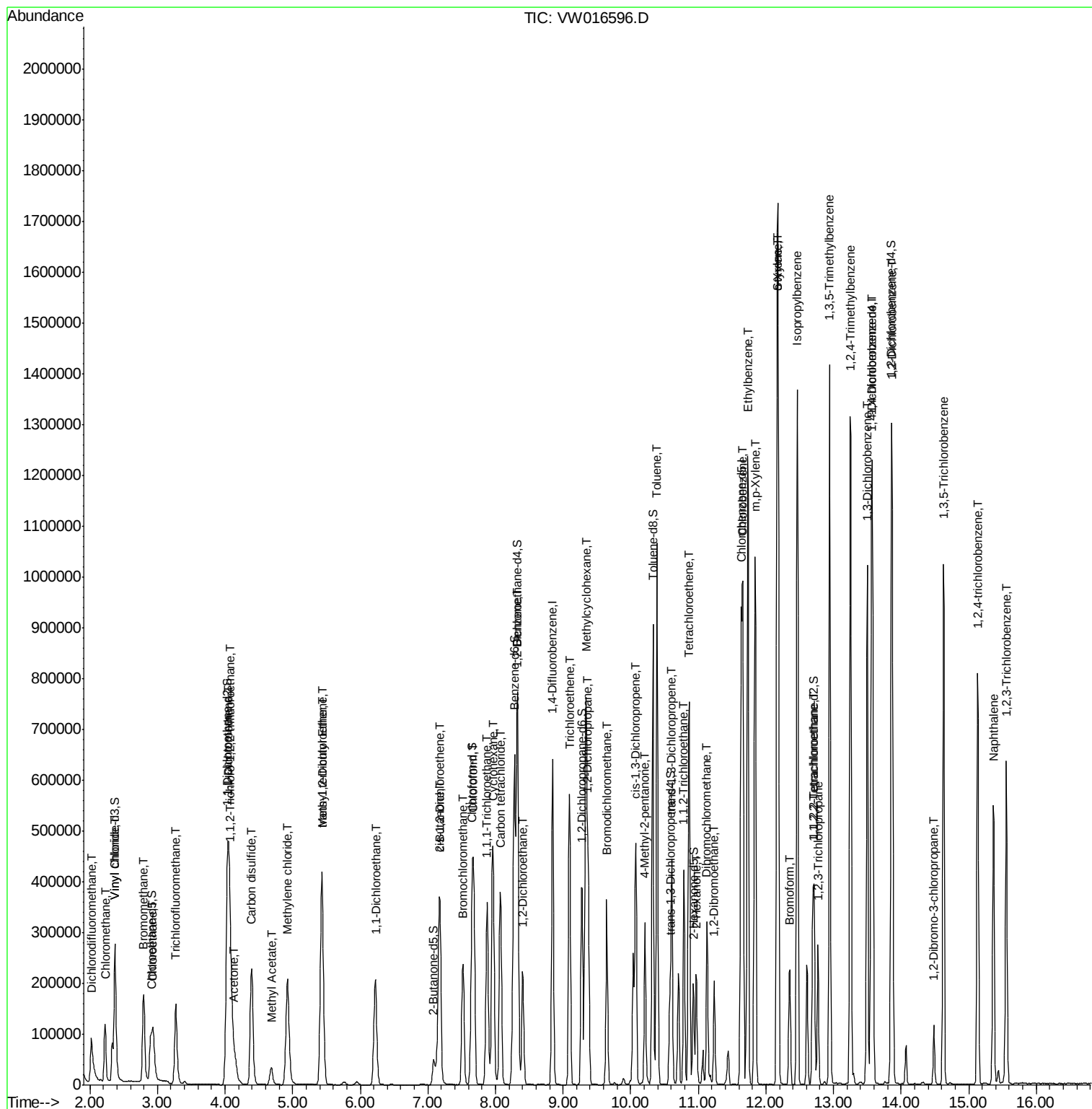
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	93416	24.863	ug/L	94
25) Chloroform	7.68	83	325029	24.397	ug/L	97
27) 1,2-Dichloroethane	8.40	62	207823	25.123	ug/L	99
29) Cyclohexane	7.96	56	269982	24.180	ug/L	99
30) 1,1,1-Trichloroethane	7.88	97	301744	25.322	ug/L	99
31) Carbon tetrachloride	8.07	117	295753	25.486	ug/L	98
33) Benzene	8.33	78	680202	24.552	ug/L	100
34) Trichloroethene	9.10	95	197421	24.842	ug/L	98
35) Methylcyclohexane	9.34	83	333669	25.135	ug/L	100
37) 1,2-Dichloropropane	9.37	63	155945	24.686	ug/L	99
38) Bromodichloromethane	9.65	83	235482	25.136	ug/L	98
39) cis-1,3-Dichloropropene	10.07	75	268757	24.923	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	193597	54.695	ug/L	99
42) Toluene	10.39	91	763092	24.449	ug/L	99
44) trans-1,3-Dichloropropene	10.61	75	240699	26.025	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	134756	26.263	ug/L	97
46) Tetrachloroethene	10.87	164	179818	25.084	ug/L	96
48) 2-Hexanone	10.97	43	129618	58.893	ug/L	99
49) Dibromochloromethane	11.13	129	174816	25.957	ug/L	98
50) 1,2-Dibromoethane	11.24	107	134330	26.434	ug/L	99
51) Chlorobenzene	11.66	112	505931	24.444	ug/L	99
52) Ethylbenzene	11.73	91	877454	24.968	ug/L	99
53) m,p-Xylene	11.84	106	343724	25.107	ug/L	98
54) o-Xylene	12.17	106	320350	24.722	ug/L	91
55) Styrene	12.18	104	541998	25.121	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.71	83	152964	27.689	ug/L	98
59) Bromoform	12.35	173	107640	26.405	ug/L	100
60) Isopropylbenzene	12.46	105	907886	24.625	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	112964	27.146	ug/L	98
62) 1,3,5-Trimethylbenzene	12.94	105	742850	24.484	ug/L	98
63) 1,2,4-Trimethylbenzene	13.25	105	744948	24.704	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	427687	25.277	ug/L	96
65) 1,4-Dichlorobenzene	13.58	146	410551	24.740	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	377925	25.246	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.49	75	27086	27.691	ug/L	95
69) 1,3,5-Trichlorobenzene	14.63	180	328004	26.264	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	274575	27.223	ug/L	97
71) Naphthalene	15.36	128	490047	28.952	ug/L	100
72) 1,2,3-Trichlorobenzene	15.56	180	226398	26.734	ug/L	96

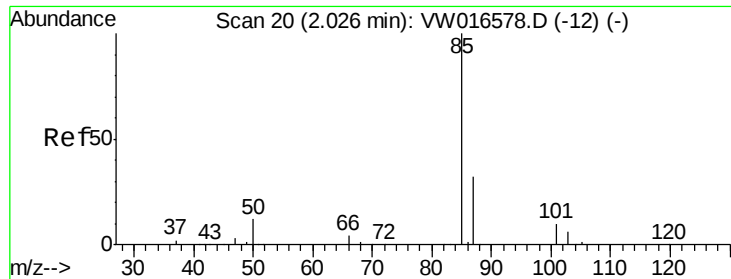
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 25.074 ug/L

RT: 2.02 min Scan# 19

Delta R.T. -0.01 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

Instrument :

MSVOA_W

ClientSampled :

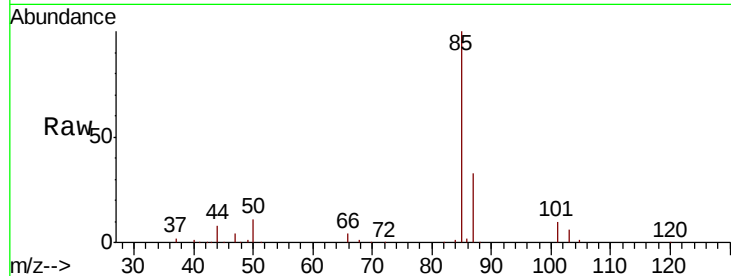
VSTD025109

Tot Ion: 85 Resp: 173687

Ion Ratio Lower Upper

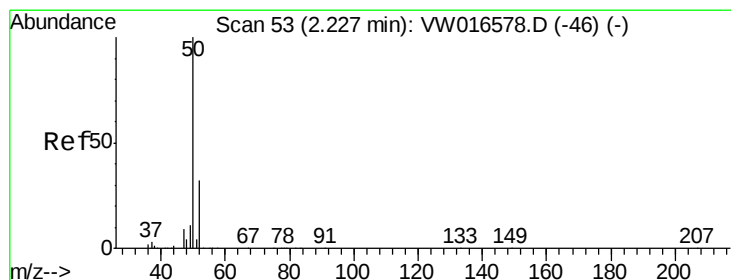
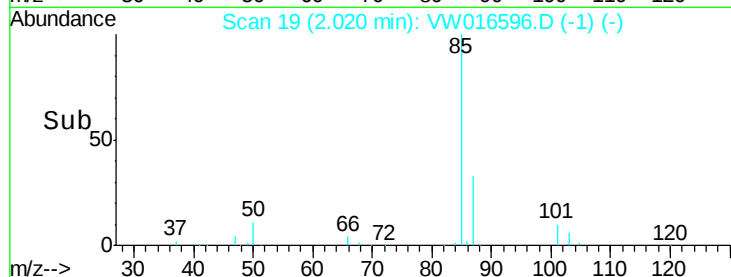
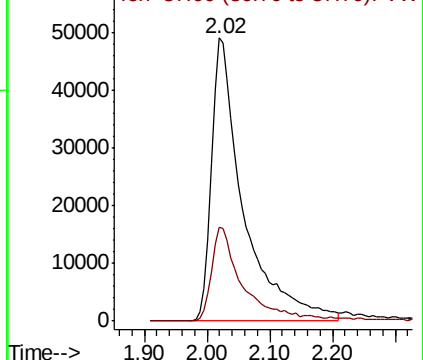
85 100

87 30.6 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: 23.316 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016596.D

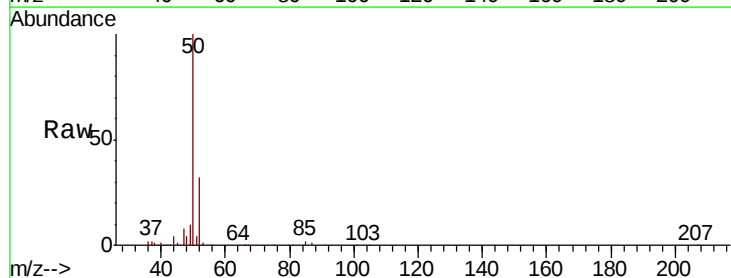
Acq: 21 Sep 2020 14:42

Tgt Ion: 50 Resp: 127993

Ion Ratio Lower Upper

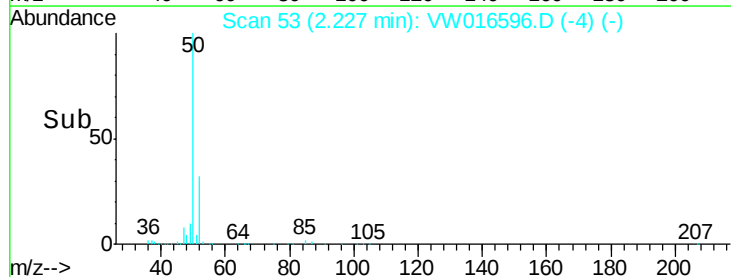
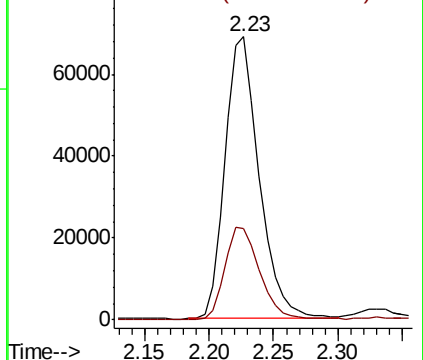
50 100

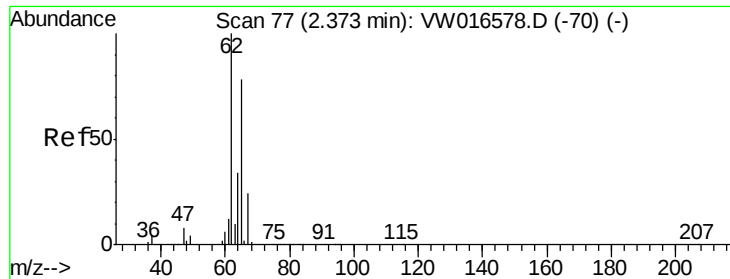
52 32.3 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.565 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

Instrument :

MSVOA_W

ClientSampled :

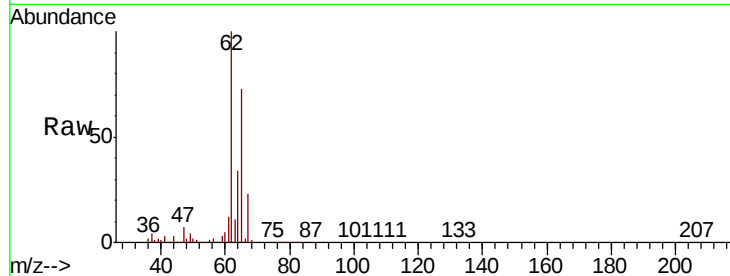
VSTD025109

Tot Ion: 62 Resp: 193310

Ion Ratio Lower Upper

62 100

64 34.0 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

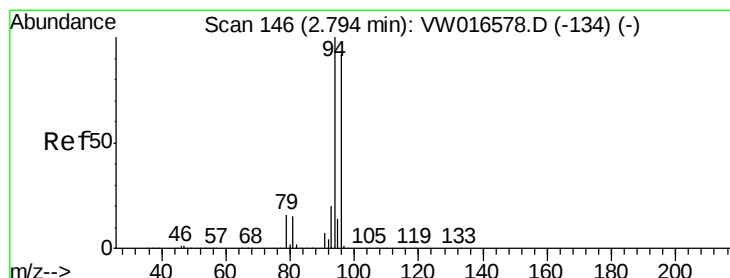
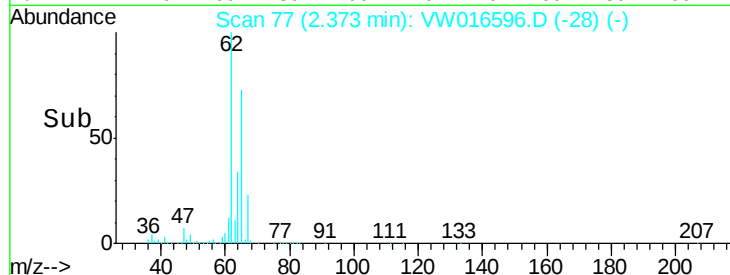
40000

20000

0

Time-->

2.30 2.40 2.50



#6

Bromomethane

Concen: 23.395 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016596.D

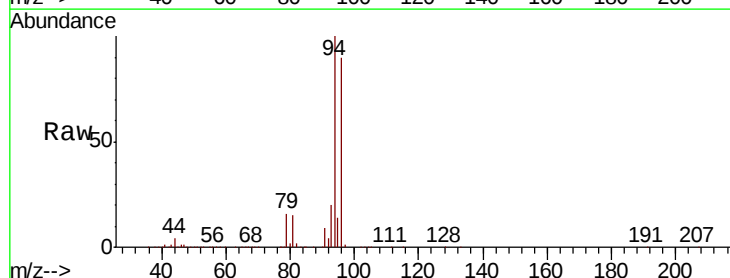
Acq: 21 Sep 2020 14:42

Tgt Ion: 94 Resp: 141430

Ion Ratio Lower Upper

94 100

96 90.3 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

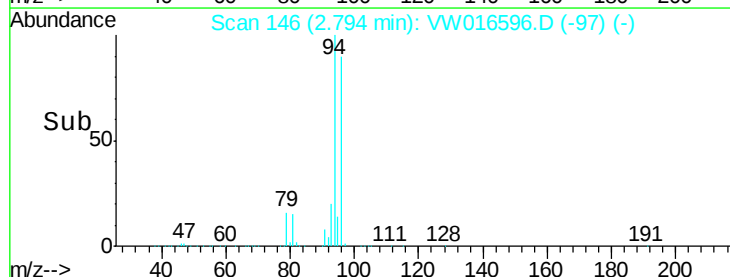
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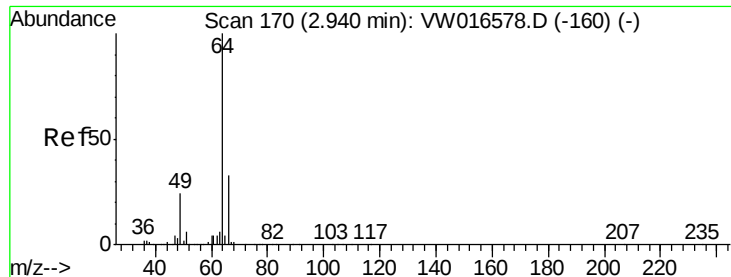
20000

0

Time-->

2.70 2.80 2.90

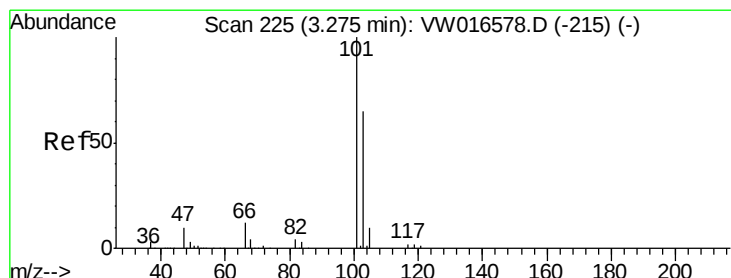
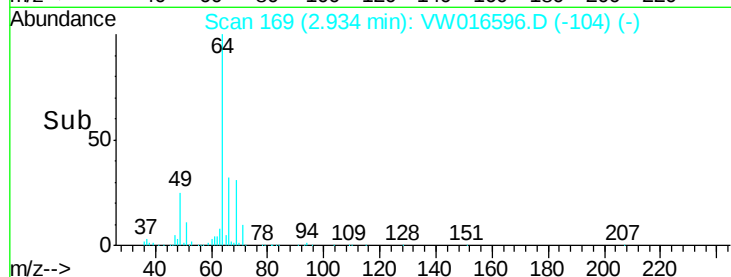
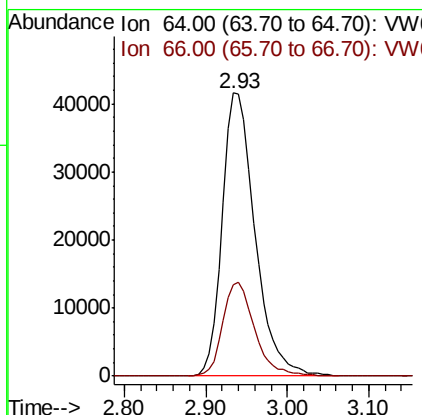
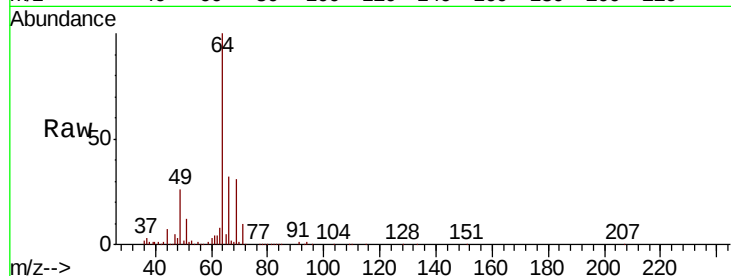




#8
Chloroethane
Concen: 24.816 ug/L
RT: 2.93 min Scan# 169
Delta R.T. -0.01 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

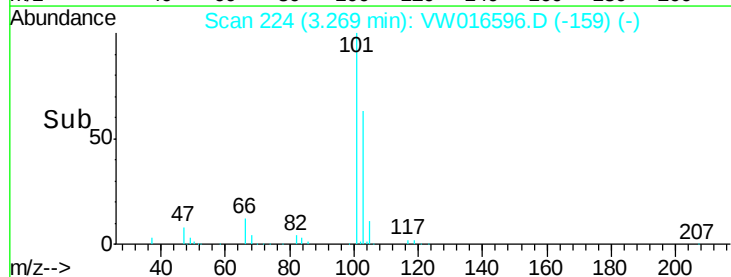
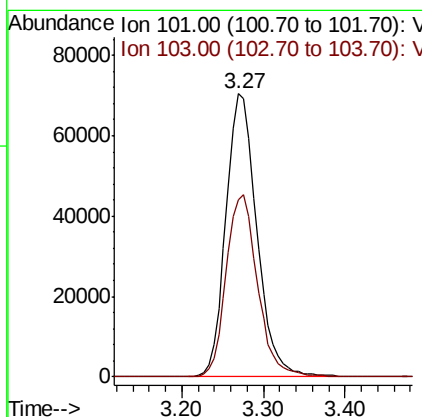
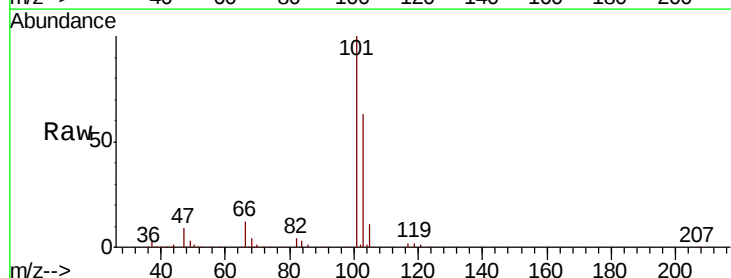
Instrument :
MSVOA_W
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VSTD025109

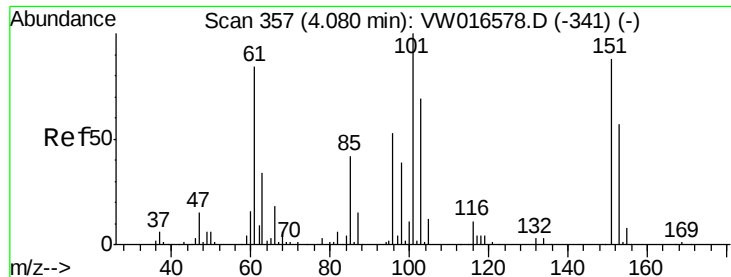
Tot Ion: 64 Resp: 116082
Ion Ratio Lower Upper
64 100
66 32.5 23.5 43.7



#9
Trichlorofluoromethane
Concen: 24.757 ug/L
RT: 3.27 min Scan# 224
Delta R.T. -0.01 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

Tgt Ion: 101 Resp: 184778
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.8





#10

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

Concen: 24.746 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.01 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD025109

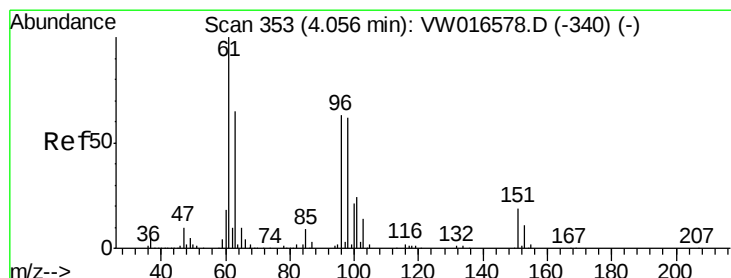
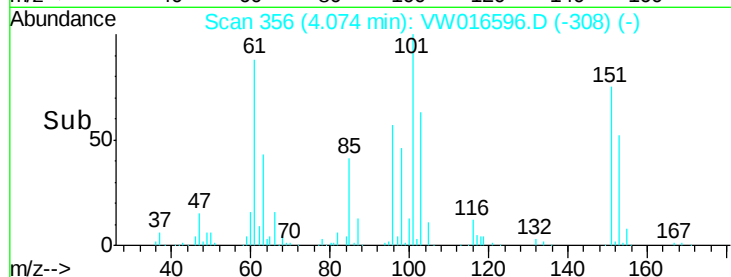
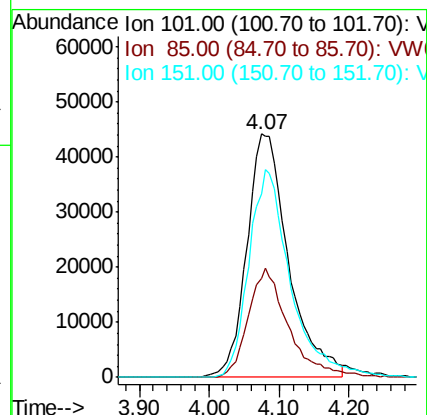
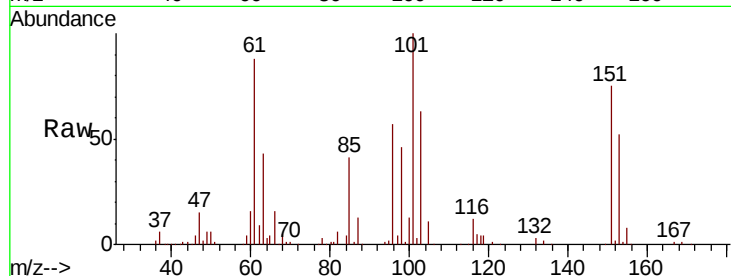
Tot Ion: 101 Resp: 183339

Ion Ratio Lower Upper

101 100

85 43.3 32.2 48.2

151 85.2 66.8 100.2



#12

1,1-Dichloroethene

Concen: 24.425 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

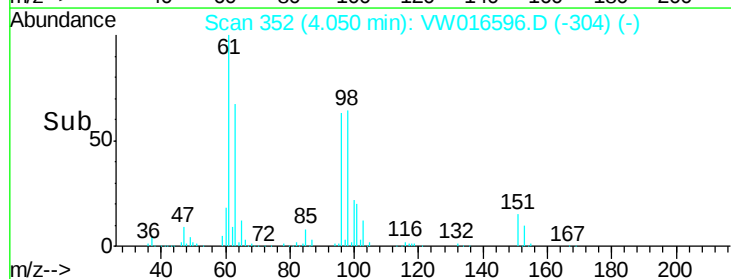
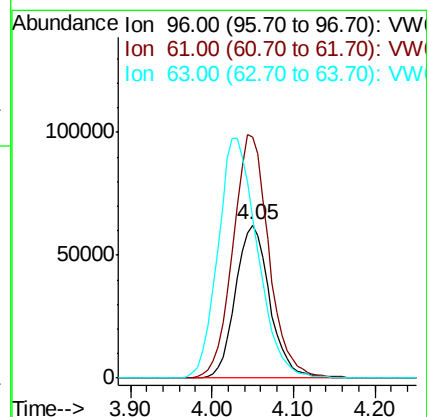
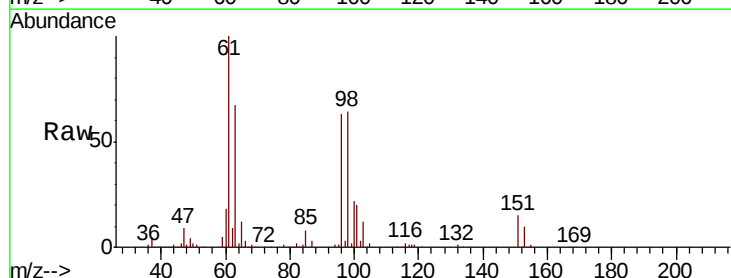
Tgt Ion: 96 Resp: 180993

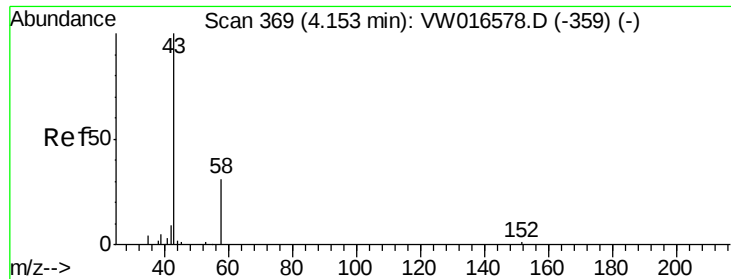
Ion Ratio Lower Upper

96 100

61 158.0 112.1 208.3

63 105.3 74.2 137.8





#13

Acetone

Concen: 54.396 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

Instrument :

MSVOA_W

ClientSampleId :

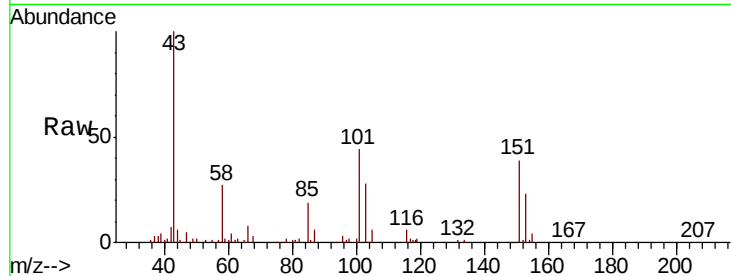
VSTD025109

Tot Ion: 43 Resp: 53255

Ion Ratio Lower Upper

43 100

58 16.2 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

20000

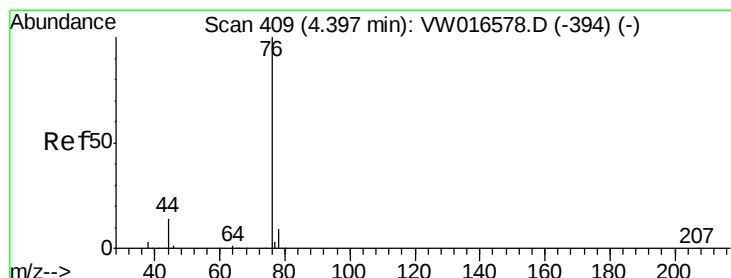
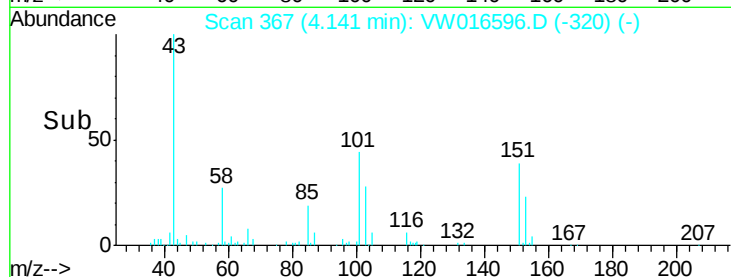
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 23.525 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.01 min

Lab File: VW016596.D

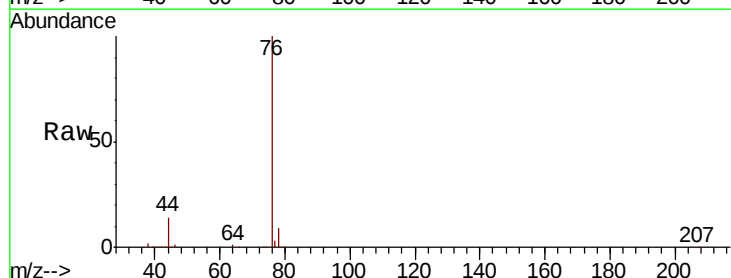
Acq: 21 Sep 2020 14:42

Tgt Ion: 76 Resp: 517665

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

200000

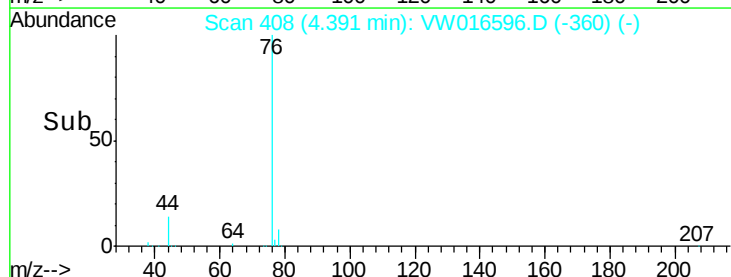
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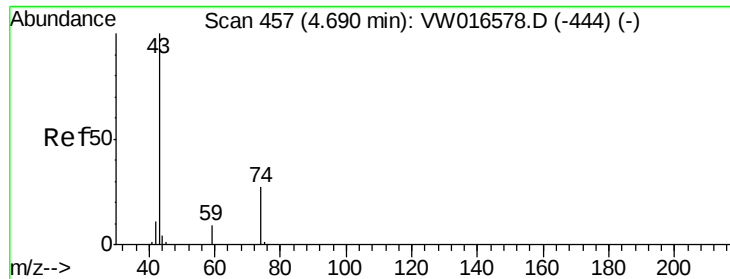
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50000

0

Time-->

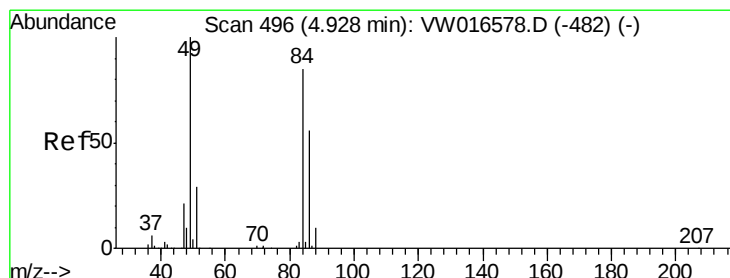
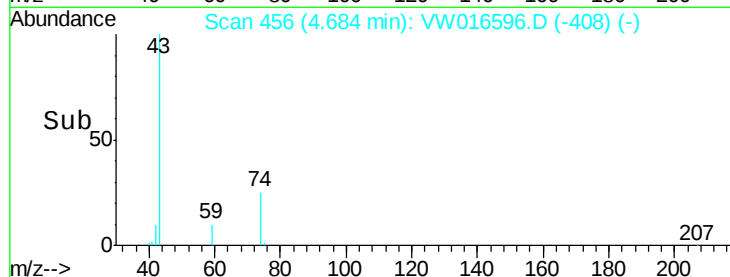
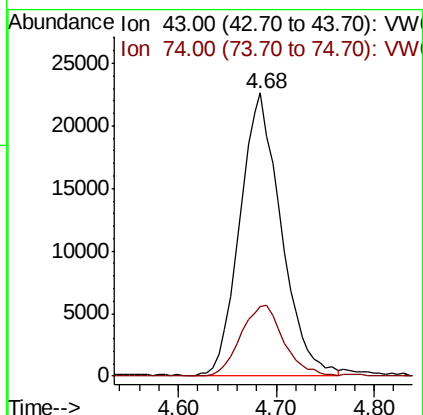
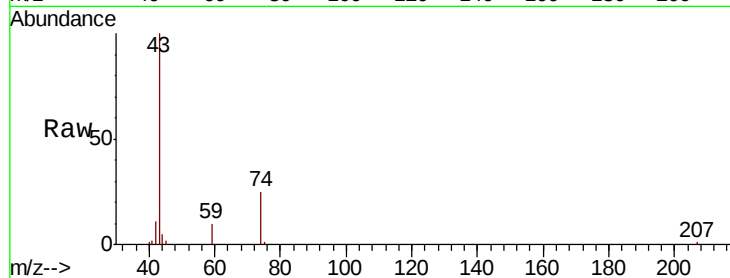




#15
Methyl Acetate
Concen: 27.592 ug/L
RT: 4.68 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

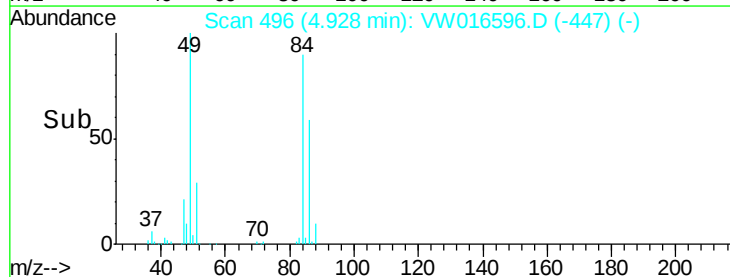
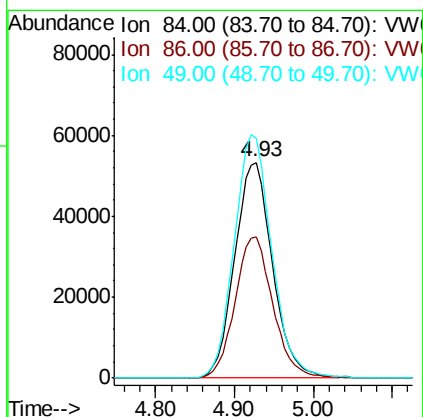
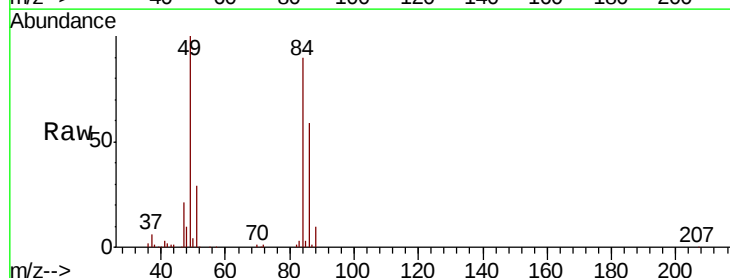
Instrument :
MSVOA_W
ClientSampleId :
VSTD025109

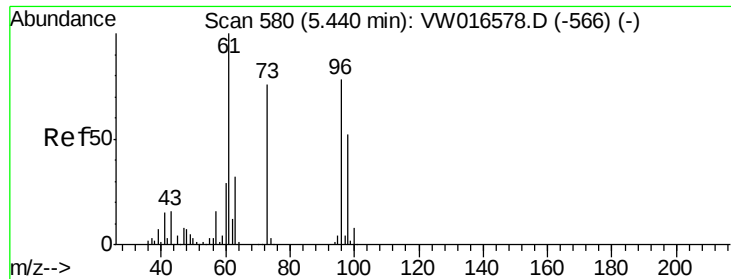
Tot Ion: 43 Resp: 66306
Ion Ratio Lower Upper
43 100
74 25.9 21.9 32.9



#16
Methylene chloride
Concen: 21.195 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

Tgt Ion: 84 Resp: 178444
Ion Ratio Lower Upper
84 100
86 65.5 46.2 85.8
49 111.4 82.8 153.8





#17

trans-1,2-Dichloroethene

Concen: 23.963 ug/L

RT: 5.43 min Scan# 579

Delta R.T. -0.01 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

Instrument :

MSVOA_W

ClientSampled :

VSTD025109

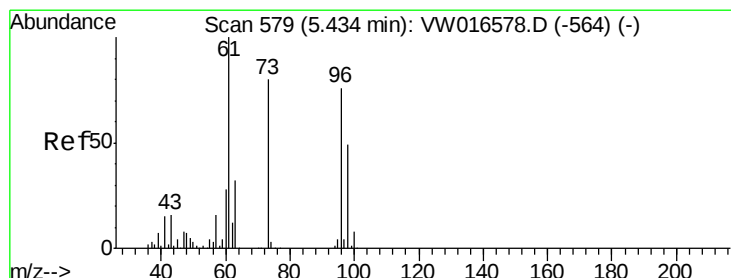
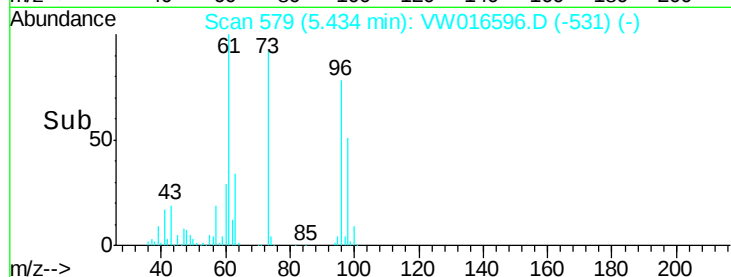
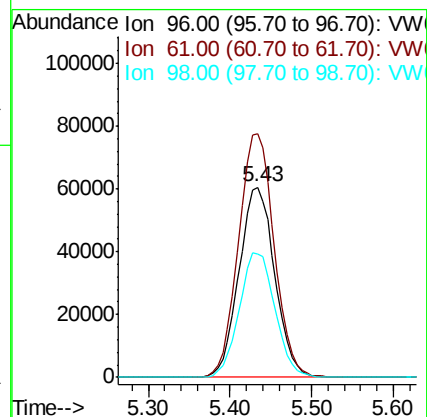
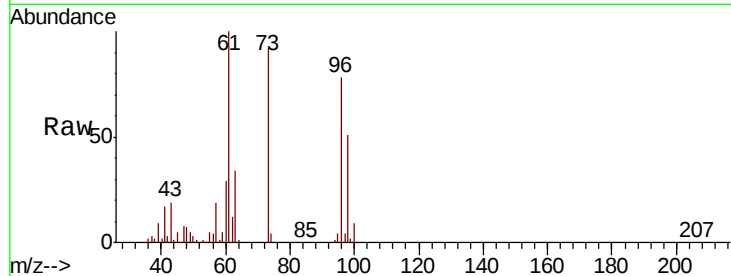
Tot Ion: 96 Resp: 184223

Ion Ratio Lower Upper

96 100

61 128.1 89.7 166.7

98 64.7 46.4 86.2



#18

Methyl tert-butyl Ether

Concen: 26.218 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

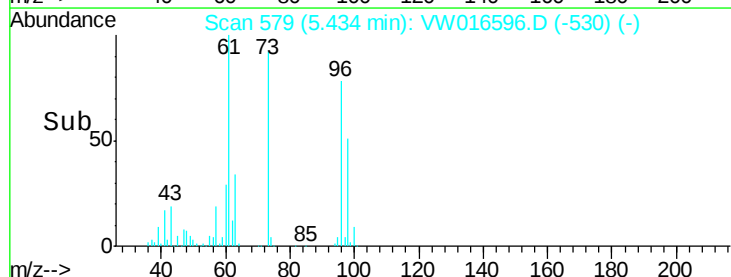
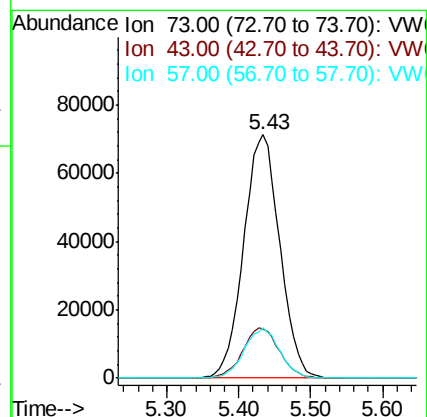
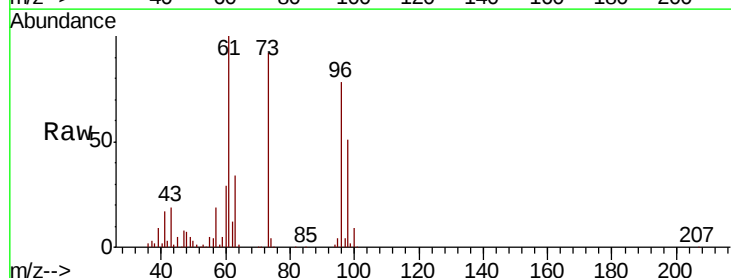
Tgt Ion: 73 Resp: 247585

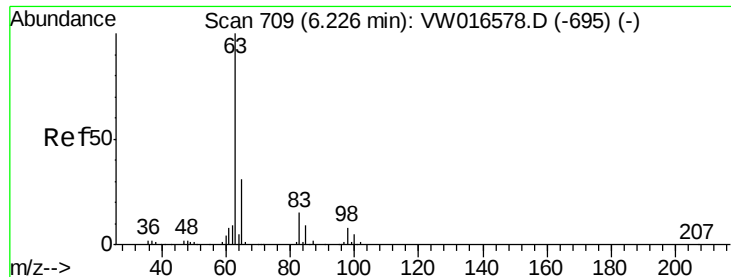
Ion Ratio Lower Upper

73 100

43 21.0 17.0 25.6

57 20.1 16.3 24.5

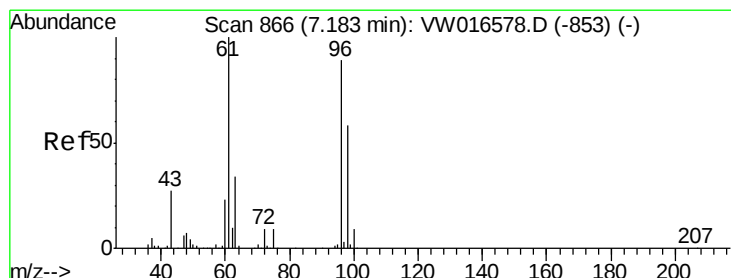
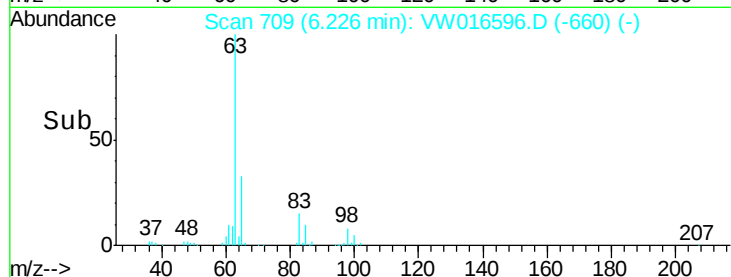
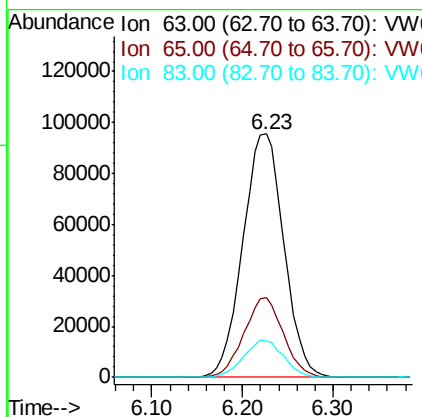
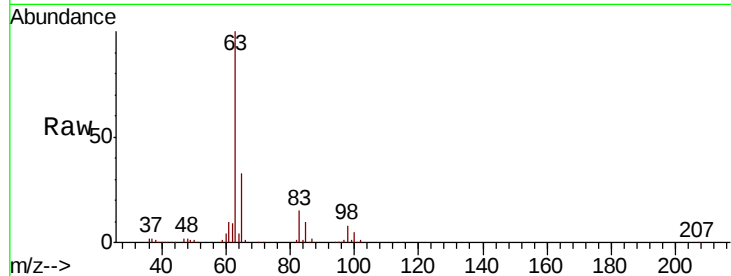




#19
 1,1-Dichloroethane
 Concen: 24.534 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VW016596.D
 Acq: 21 Sep 2020 14:42

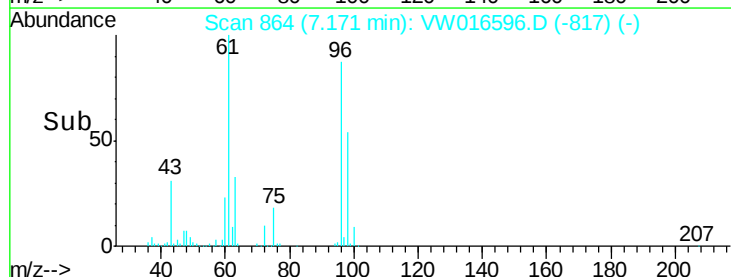
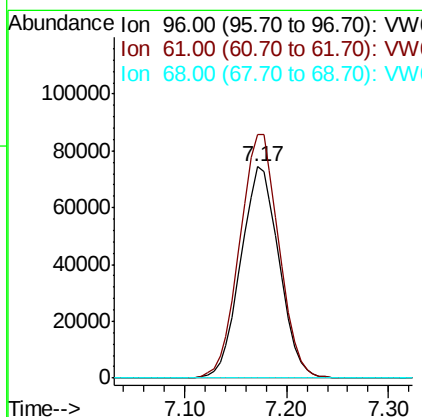
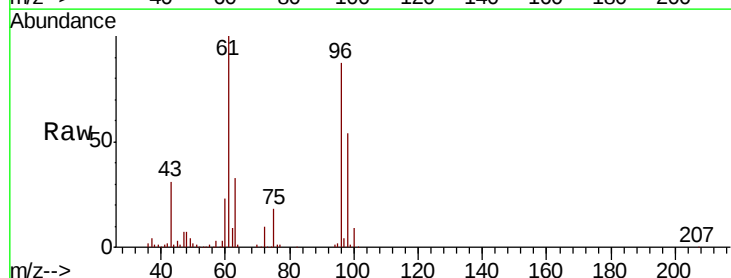
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025109

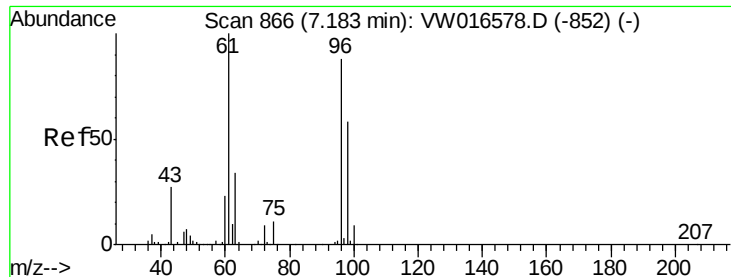
Tot Ion:	63	Resp:	298778
Ion	Ratio	Lower	Upper
63	100		
65	32.6	21.8	40.6
83	14.8	10.2	19.0



#20
 cis-1,2-Dichloroethene
 Concen: 24.340 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW016596.D
 Acq: 21 Sep 2020 14:42

Tgt Ion:	96	Resp:	194510
Ion	Ratio	Lower	Upper
96	100		
61	115.2	79.2	147.0
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 49.419 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

Instrument :

MSVOA_W

ClientSampleId :

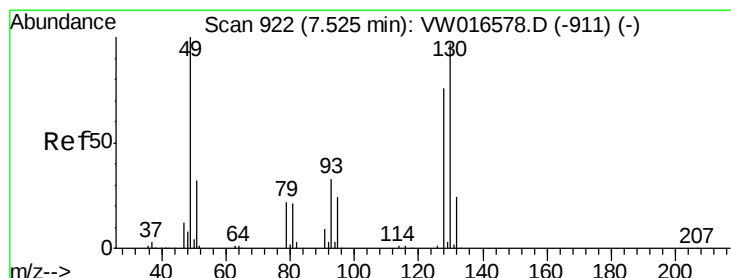
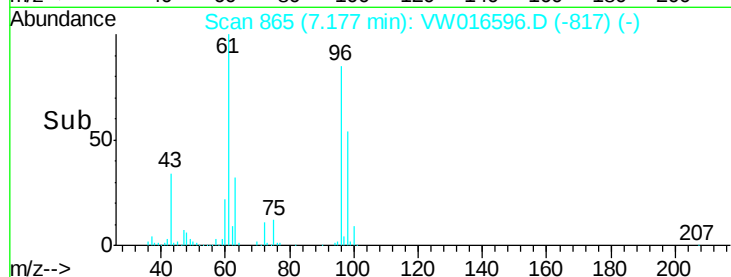
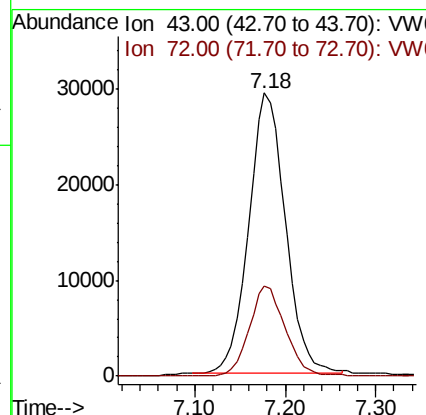
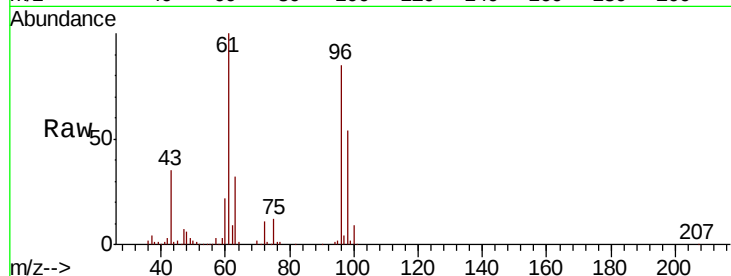
VSTD025109

Tot Ion: 43 Resp: 82260

Ion Ratio Lower Upper

43 100

72 31.1 15.7 47.0



#23

Bromochloromethane

Concen: 24.863 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.01 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

Tgt Ion: 128 Resp: 93416

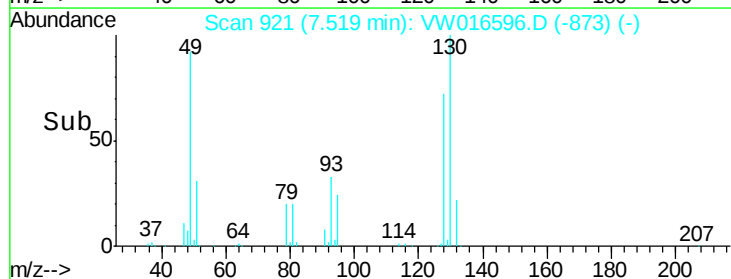
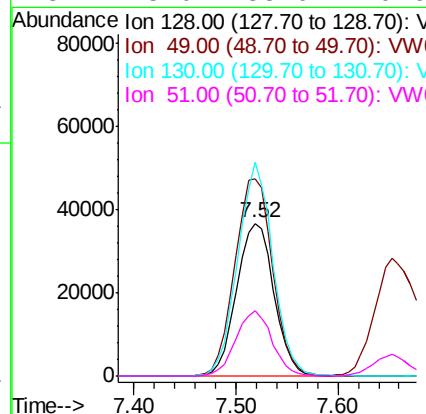
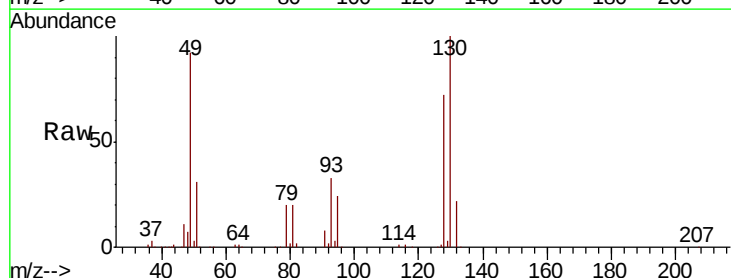
Ion Ratio Lower Upper

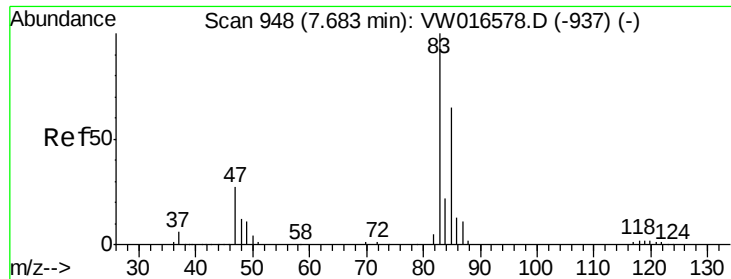
128 100

49 129.1 91.5 169.9

130 139.8 89.0 165.4

51 43.0 33.0 49.6

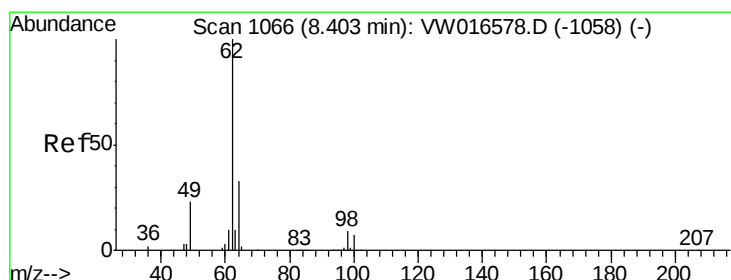
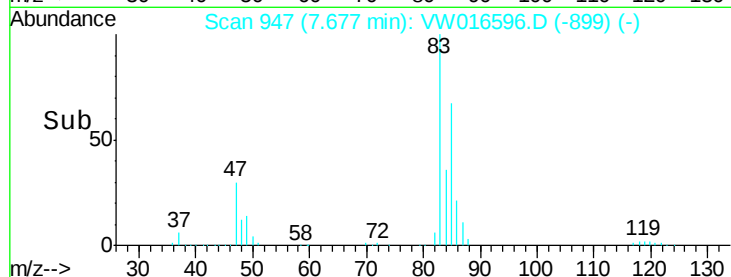
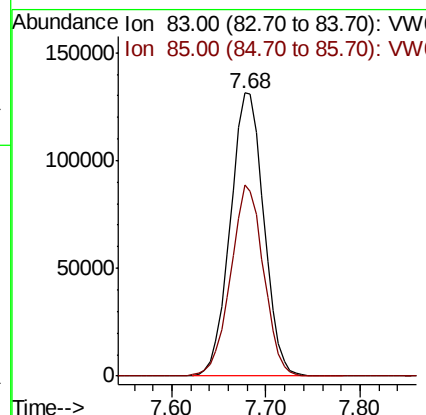
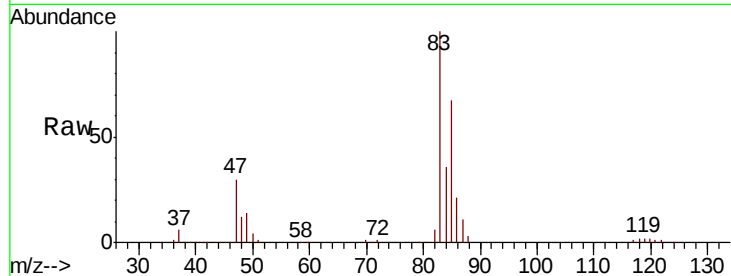




#25
Chloroform
Concen: 24.397 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

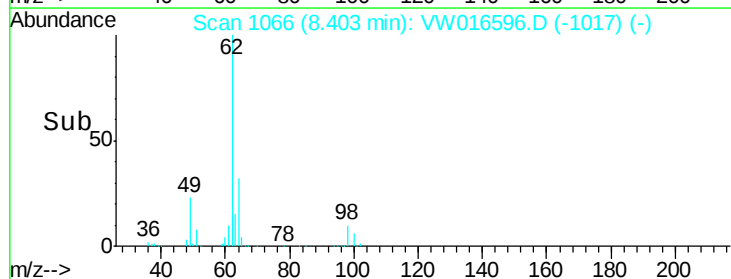
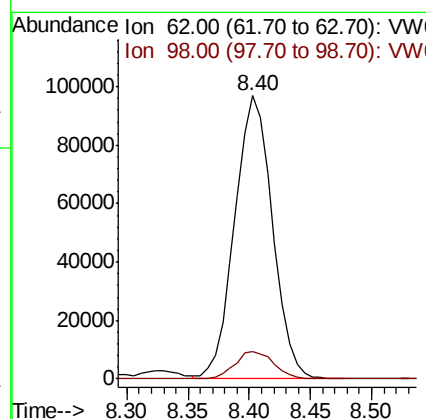
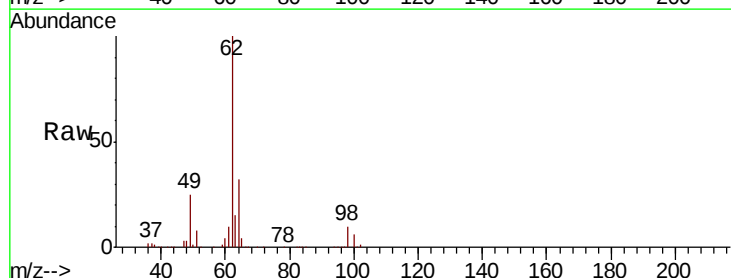
Instrument :
MSVOA_W
ClientSampleId :
VSTD025109

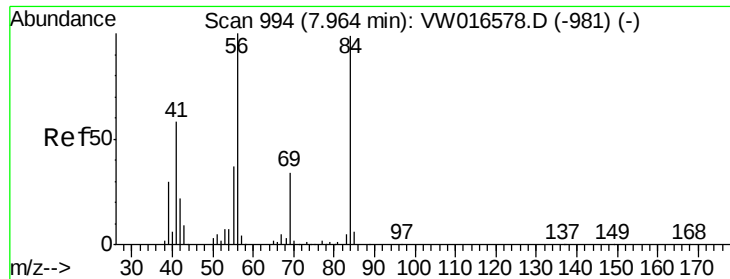
Tot Ion: 83 Resp: 325029
Ion Ratio Lower Upper
83 100
85 67.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 25.123 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

Tgt Ion: 62 Resp: 207823
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9

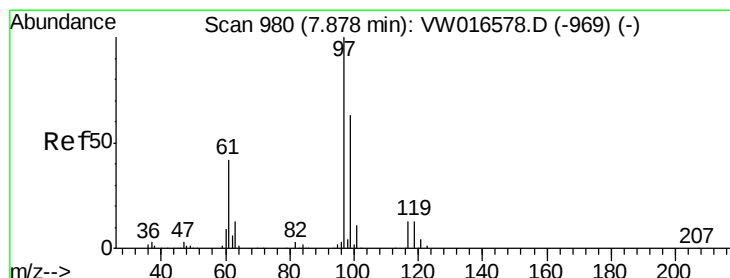
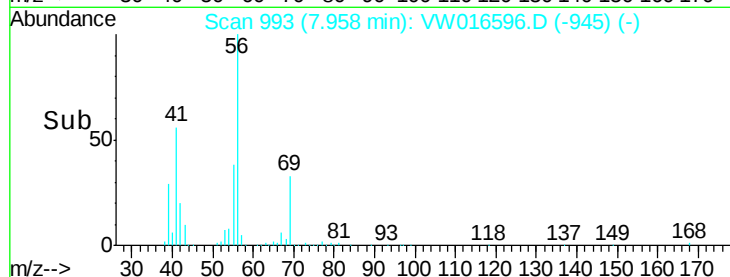
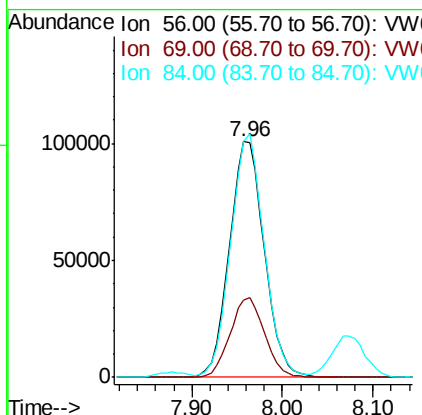
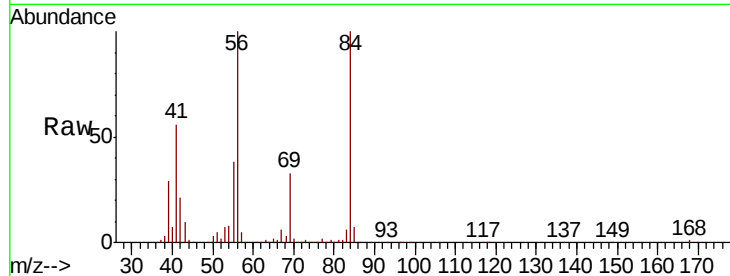




#29
Cyclohexane
Concen: 24.180 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

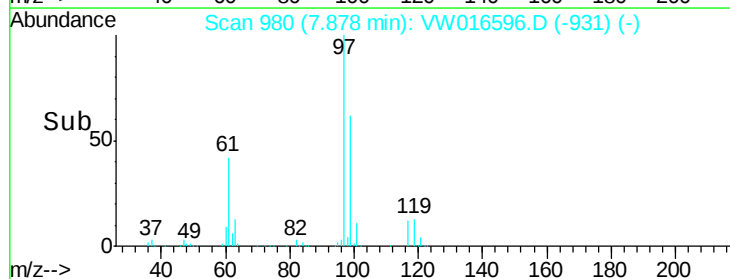
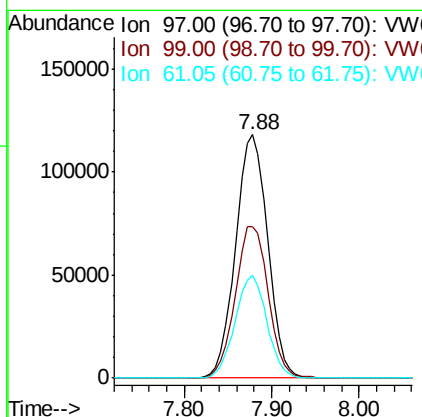
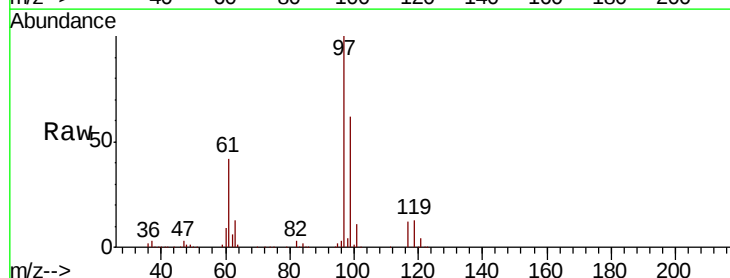
Instrument :
MSVOA_W
ClientSampleId :
VSTD025109

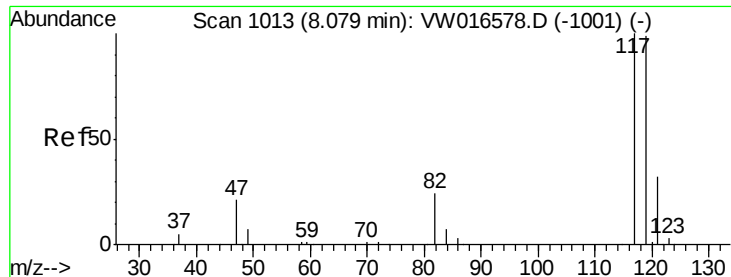
Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.4	39.6
84	99.2	79.9	119.9



#30
1,1,1-Trichloroethane
Concen: 25.322 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.9	76.3
61	42.0	33.2	49.8

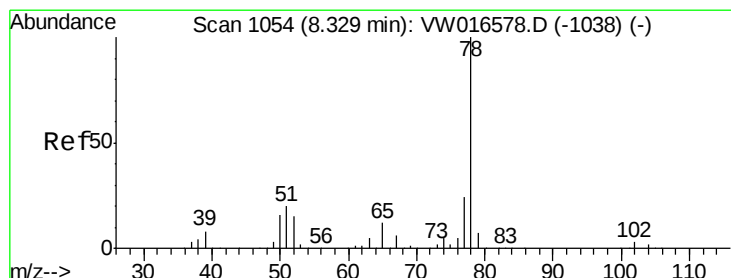
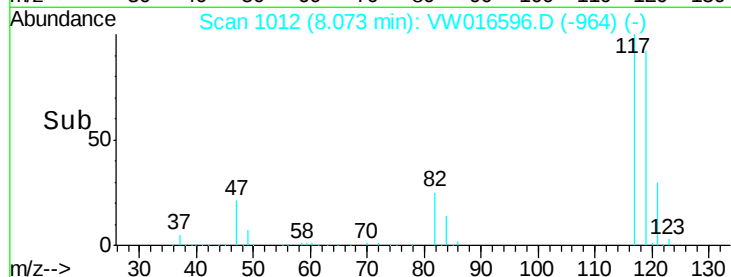
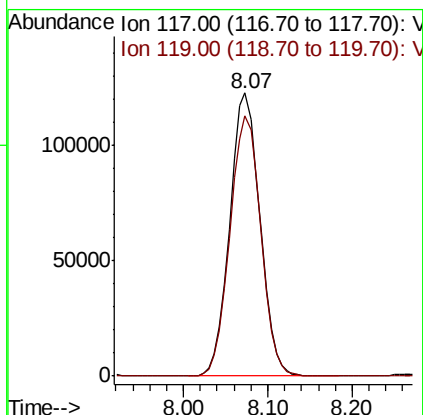
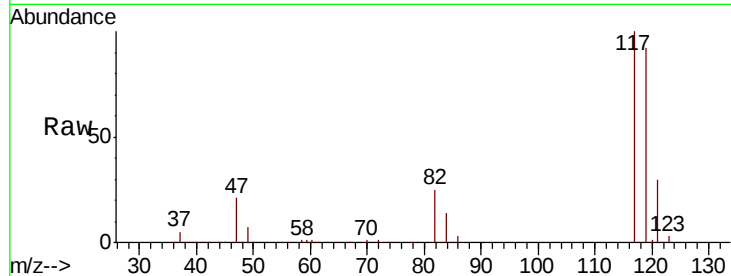




#31
Carbon tetrachloride
Concen: 25.486 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

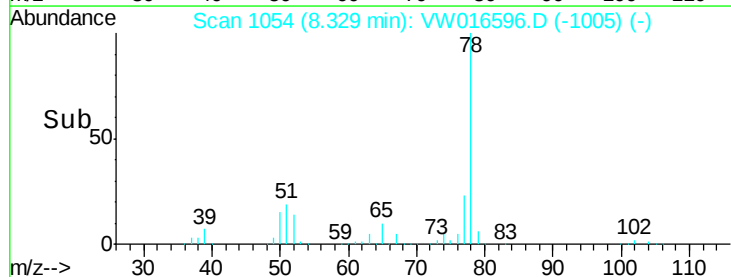
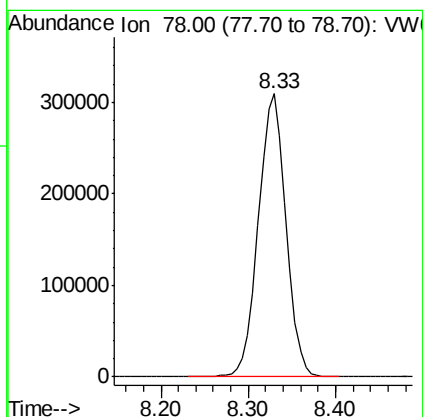
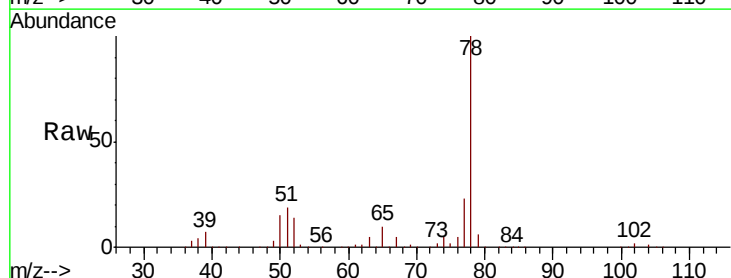
Instrument :
MSVOA_W
ClientSampleId :
VSTD025109

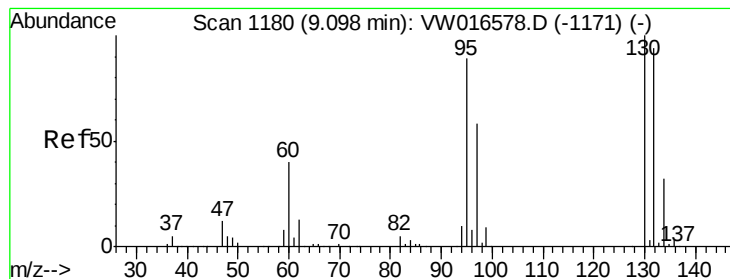
Tot Ion:117 Resp: 295753
Ion Ratio Lower Upper
117 100
119 93.9 76.7 115.1



#33
Benzene
Concen: 24.552 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

Tgt Ion: 78 Resp: 680202

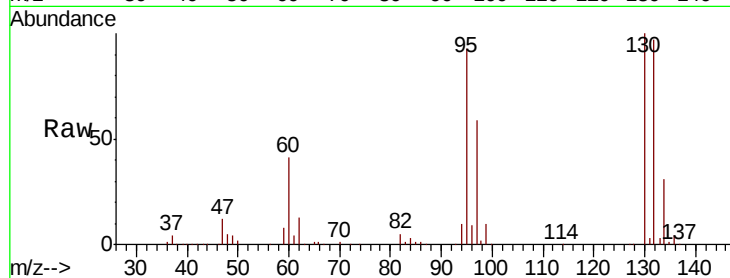




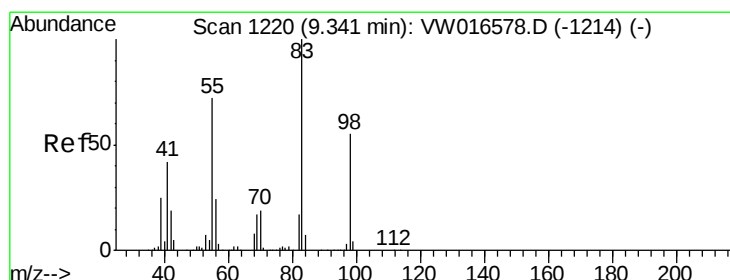
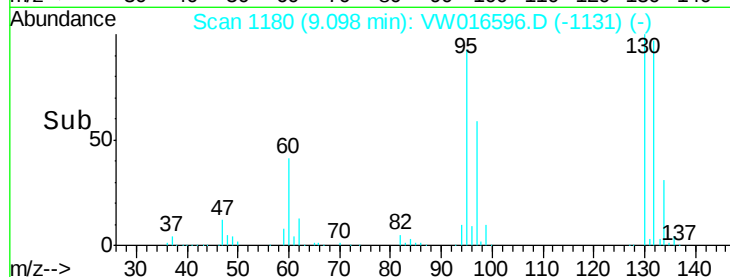
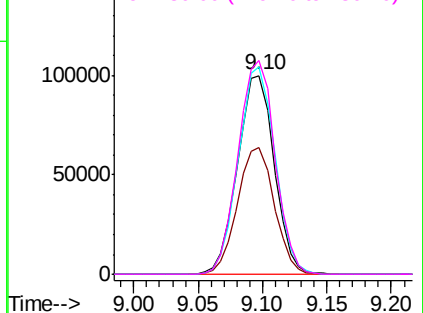
#34
 Trichloroethene
 Concen: 24.842 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW016596.D
 Acq: 21 Sep 2020 14:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025109

Tot Ion: 95 Resp: 197421
 Ion Ratio Lower Upper
 95 100
 97 63.8 45.1 83.9
 132 104.4 73.8 137.2
 130 107.6 78.3 145.5

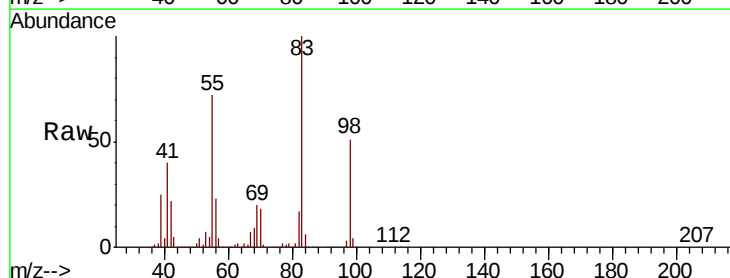


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

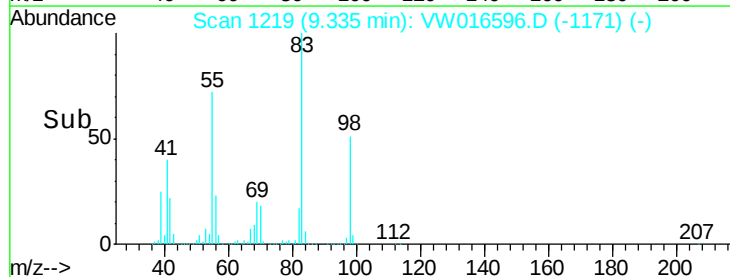
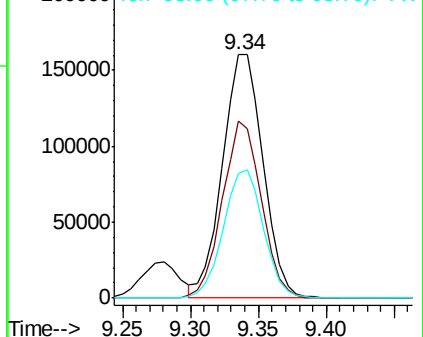


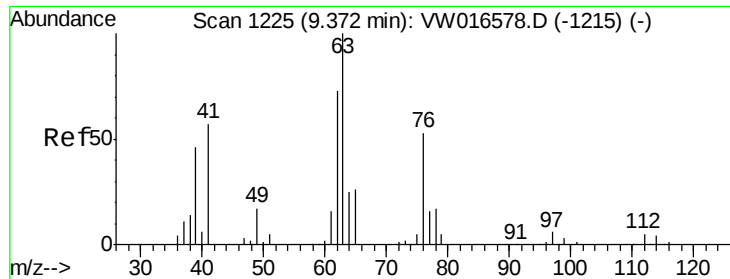
#35
 Methylcyclohexane
 Concen: 25.135 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW016596.D
 Acq: 21 Sep 2020 14:42

Tgt Ion: 83 Resp: 333669
 Ion Ratio Lower Upper
 83 100
 55 69.6 55.9 83.9
 98 51.9 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

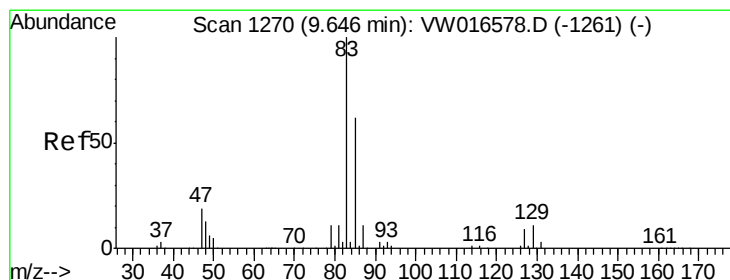
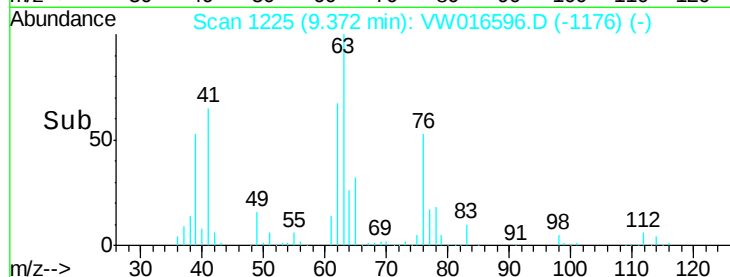
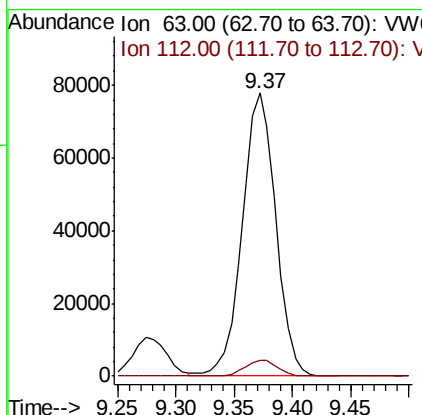
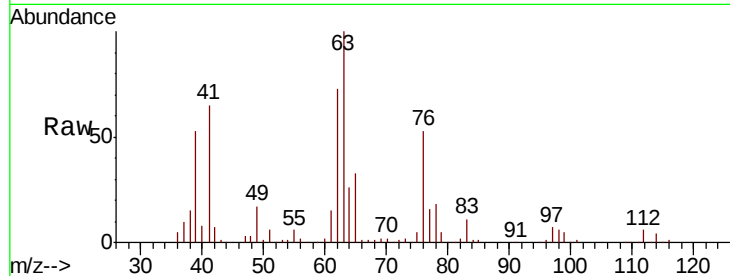




#37
 1,2-Dichloropropane
 Concen: 24.686 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016596.D
 Acq: 21 Sep 2020 14:42

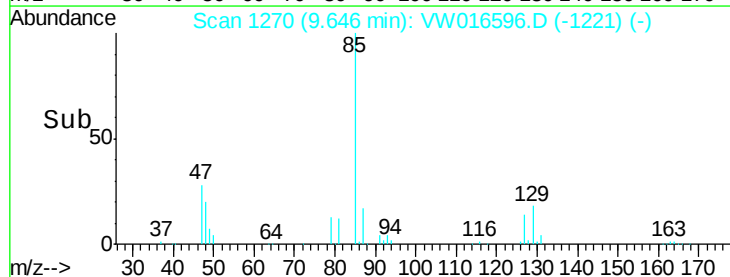
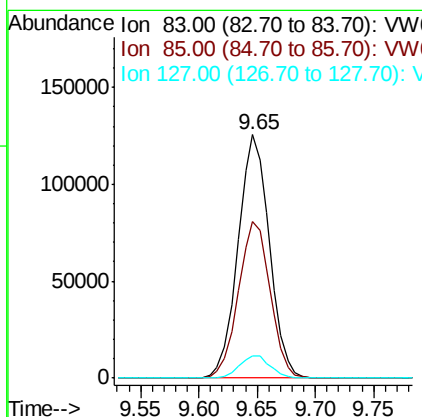
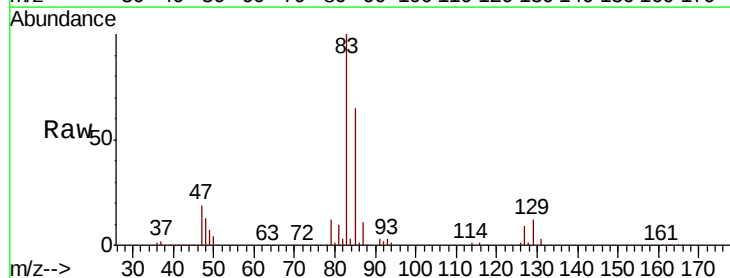
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025109

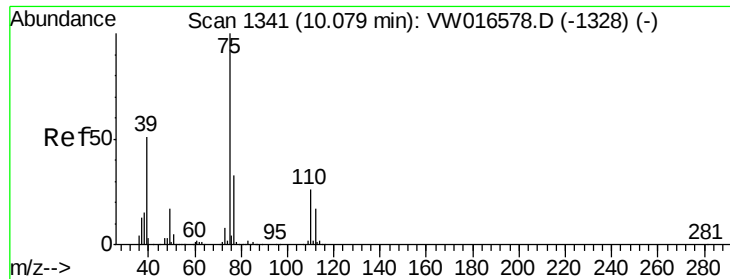
Tot Ion: 63 Resp: 155945
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.2 6.4



#38
 Bromodichloromethane
 Concen: 25.136 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016596.D
 Acq: 21 Sep 2020 14:42

Tgt Ion: 83 Resp: 235482
 Ion Ratio Lower Upper
 83 100
 85 64.5 43.7 81.1
 127 9.1 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 24.923 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

Instrument :

MSVOA_W

ClientSampleId :

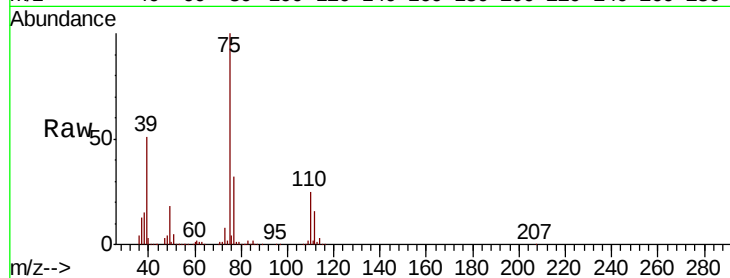
VSTD025109

Tot Ion: 75 Resp: 268757

Ion Ratio Lower Upper

75 100

77 32.2 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

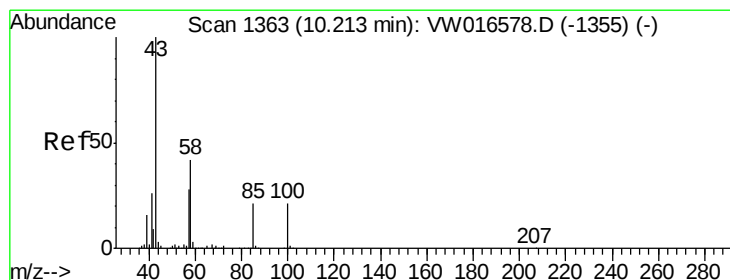
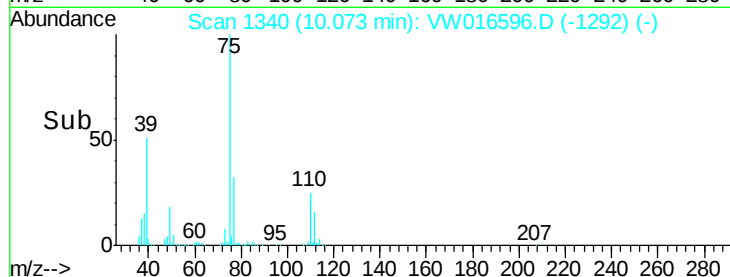
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 54.695 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

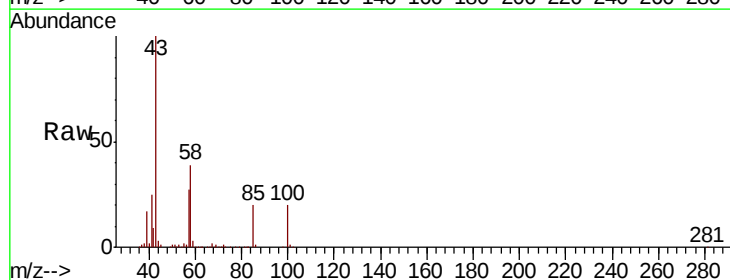
Tgt Ion: 43 Resp: 193597

Ion Ratio Lower Upper

43 100

58 40.4 33.0 49.4

100 19.7 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

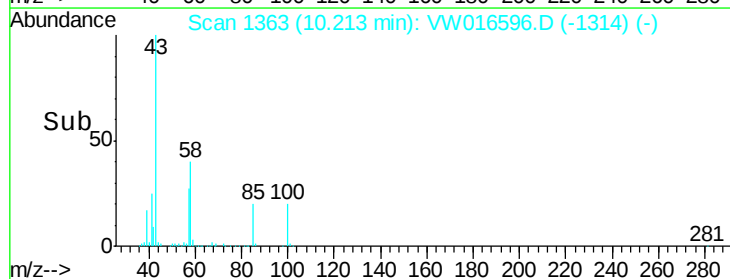
150000

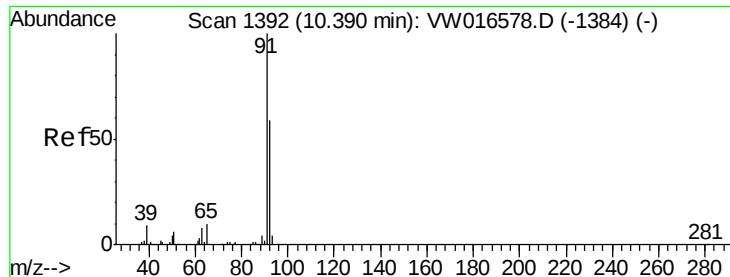
100000

50000

0

Time-->





#42

Toluene

Concen: 24.449 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

Instrument :

MSVOA_W

ClientSampleId :

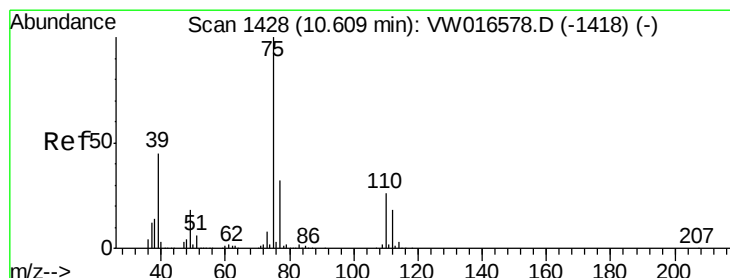
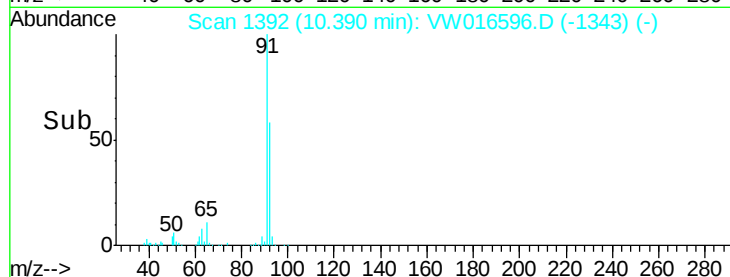
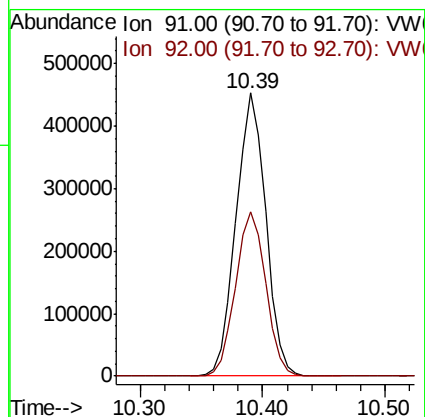
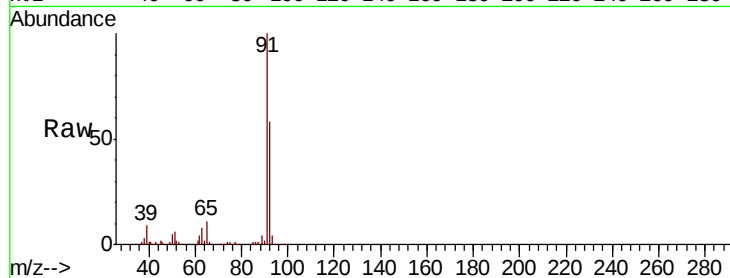
VSTD025109

Tot Ion: 91 Resp: 763092

Ion Ratio Lower Upper

91 100

92 57.9 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 26.025 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016596.D

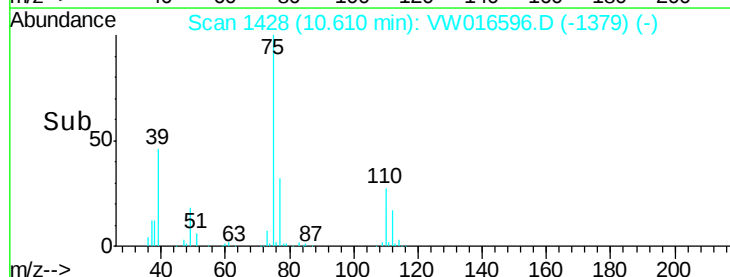
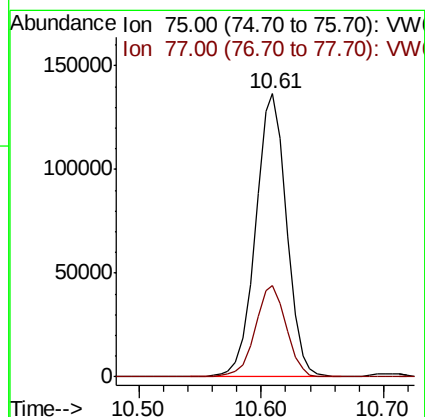
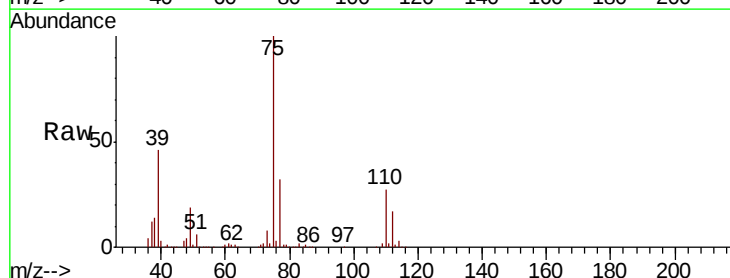
Acq: 21 Sep 2020 14:42

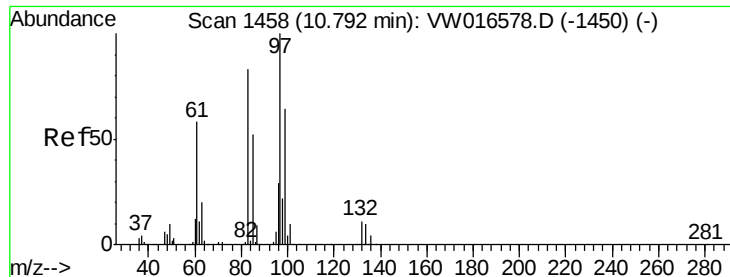
Tgt Ion: 75 Resp: 240699

Ion Ratio Lower Upper

75 100

77 32.3 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 26.263 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD025109

Tot Ion: 97 Resp: 134756

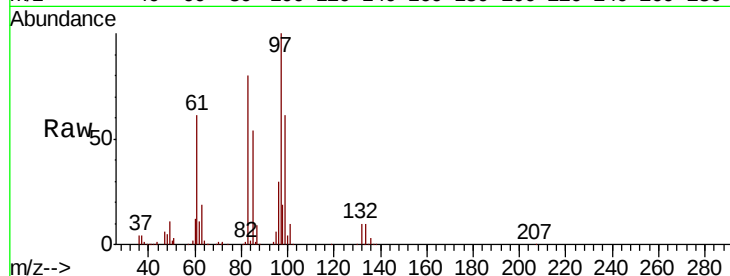
Ion Ratio Lower Upper

97 100

99 61.3 44.5 82.7

83 79.9 58.4 108.4

85 53.7 36.8 68.3

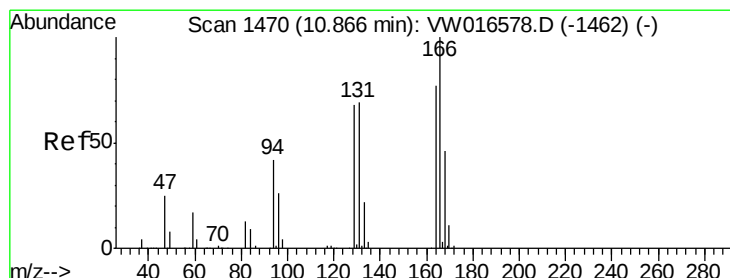
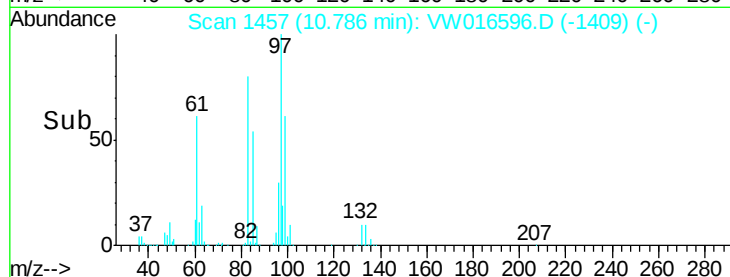
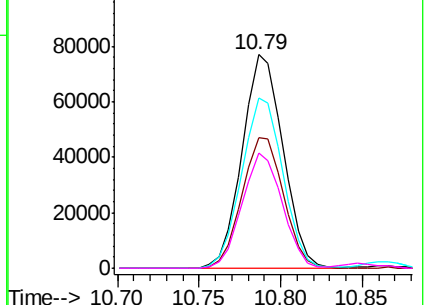


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.084 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

Tgt Ion: 164 Resp: 179818

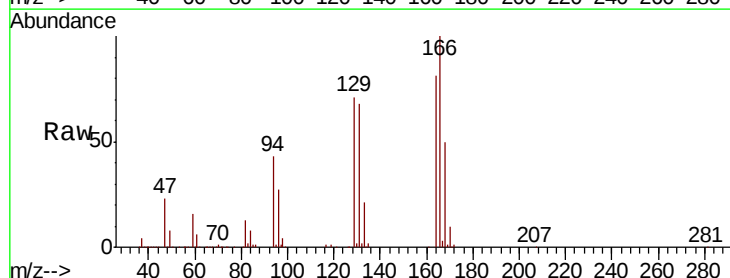
Ion Ratio Lower Upper

164 100

129 87.8 61.4 114.0

131 84.1 62.8 116.6

166 124.0 90.8 168.6

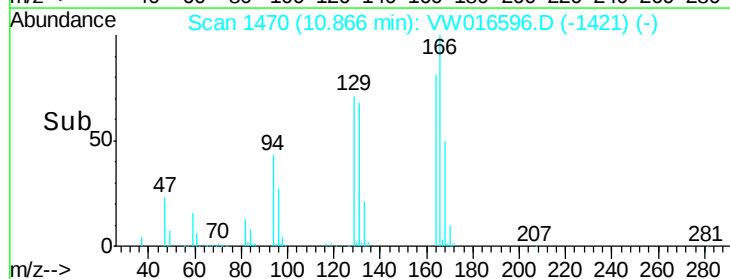
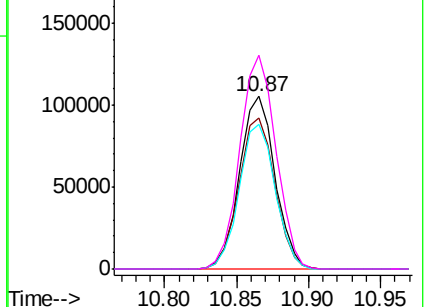


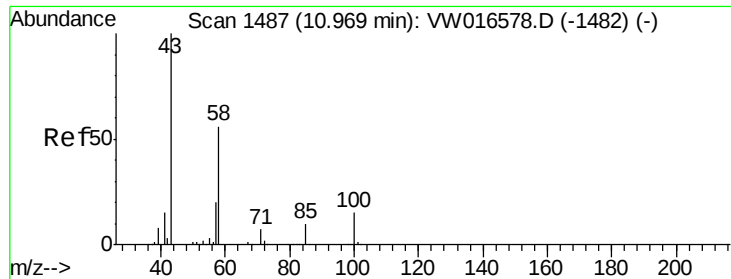
Abundance Ion 164.00 (163.70 to 164.70): V

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

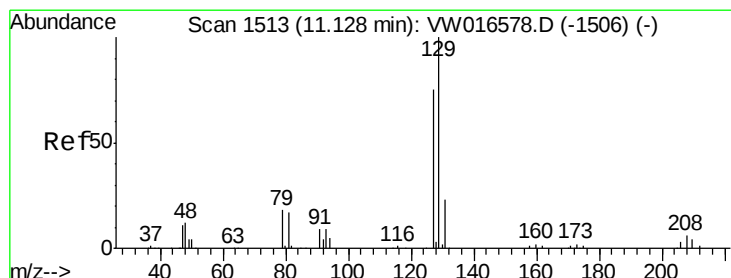
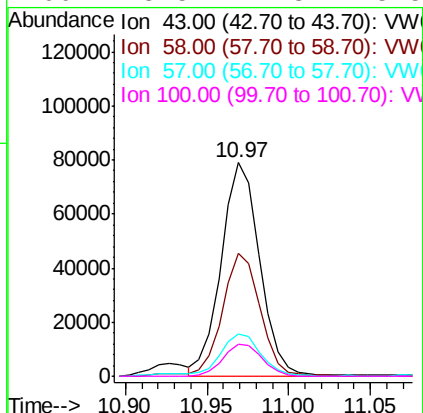
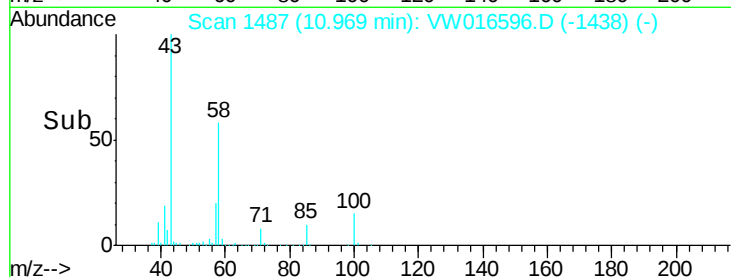
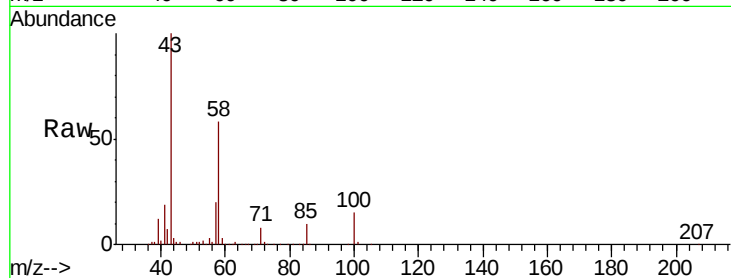




#48
2-Hexanone
Concen: 58.893 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

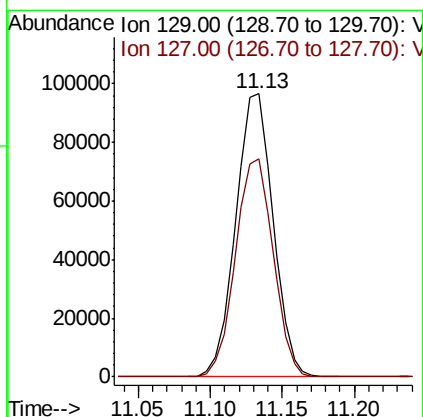
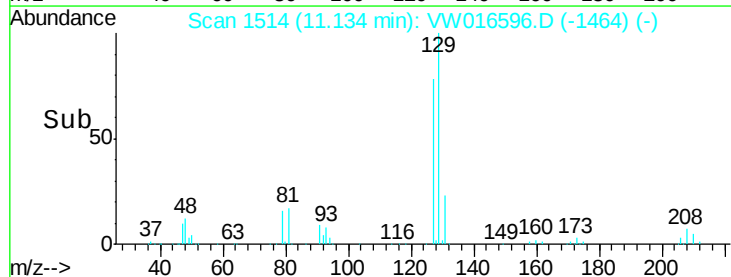
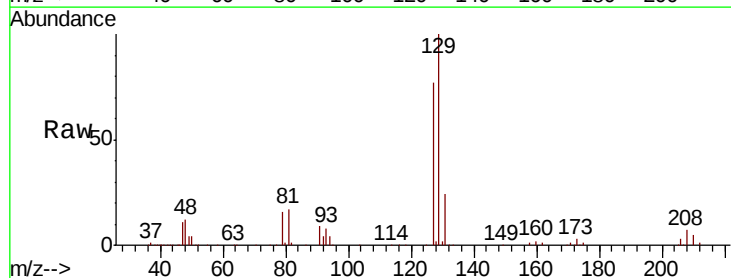
Instrument :
MSVOA_W
ClientSampleId :
VSTD025109

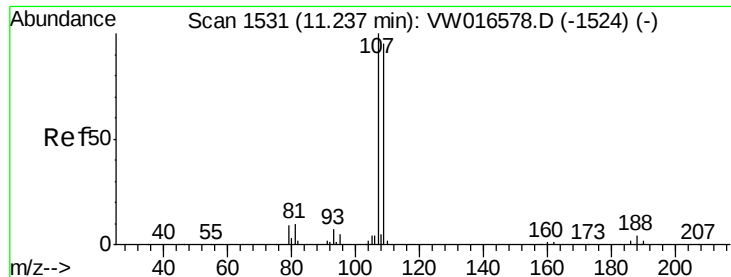
Tot Ion:	43	Resp:	129618
Ion	Ratio	Lower	Upper
43	100		
58	56.1	45.9	68.9
57	20.6	16.6	24.8
100	15.5	12.3	18.5



#49
Dibromochloromethane
Concen: 25.957 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

Tgt Ion:	129	Resp:	174816
Ion	Ratio	Lower	Upper
129	100		
127	76.9	52.5	97.5

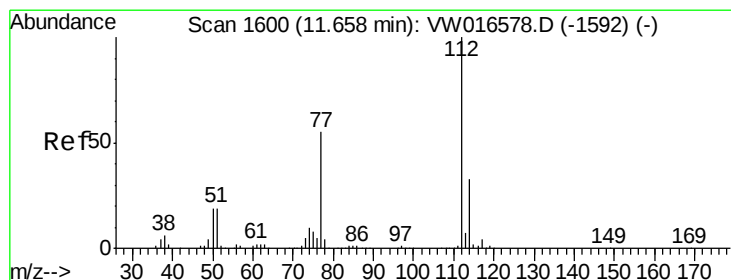
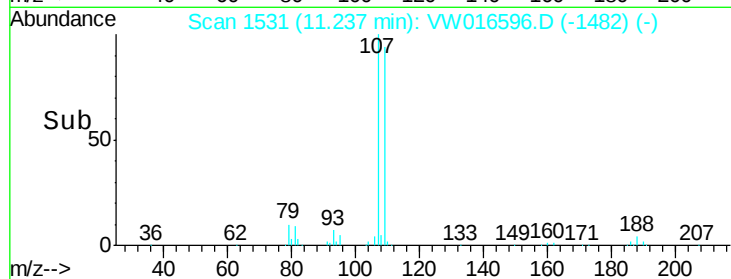
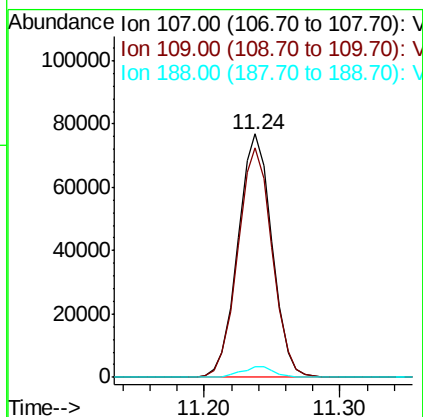
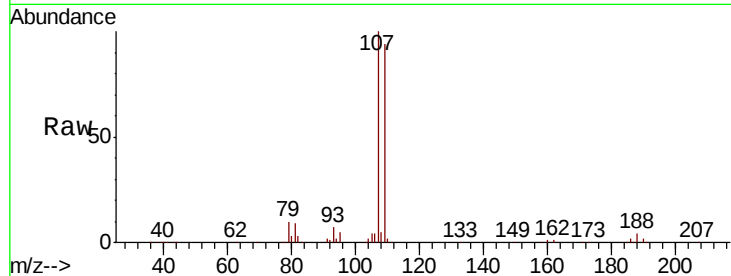




#50
1,2-Dibromoethane
Concen: 26.434 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

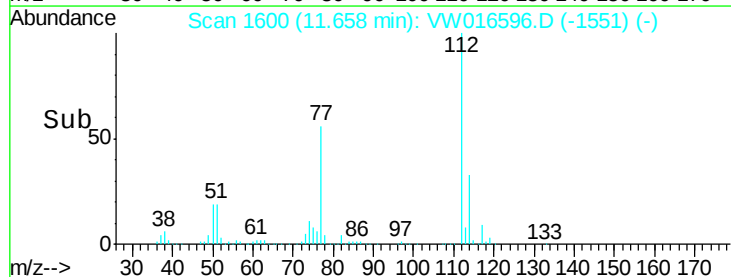
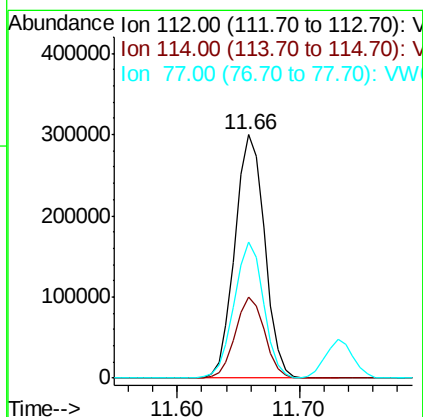
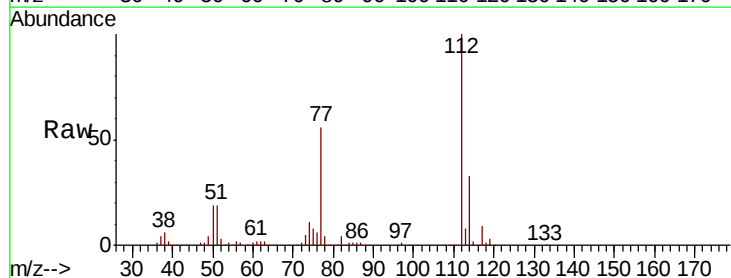
Instrument :
MSVOA_W
ClientSampleId :
VSTD025109

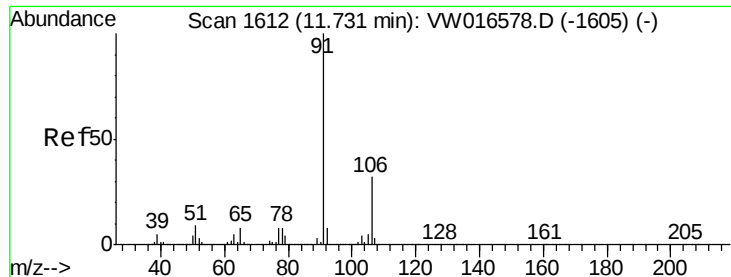
Tot Ion:107 Resp: 134330
Ion Ratio Lower Upper
107 100
109 94.0 66.2 123.0
188 4.5 3.3 4.9



#51
Chlorobenzene
Concen: 24.444 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

Tgt Ion:112 Resp: 505931
Ion Ratio Lower Upper
112 100
114 33.4 22.9 42.5
77 55.9 43.8 65.8

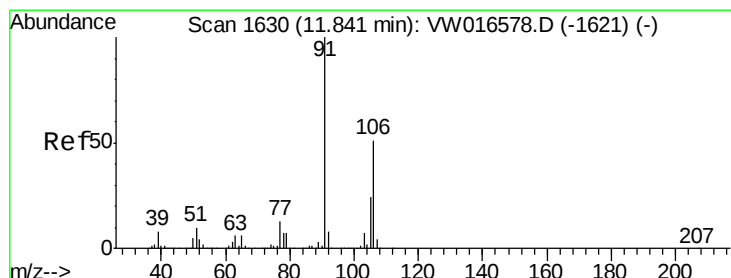
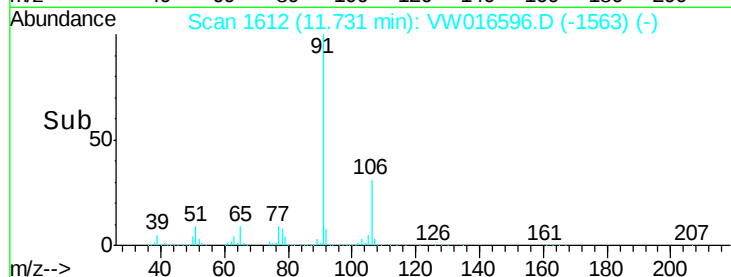
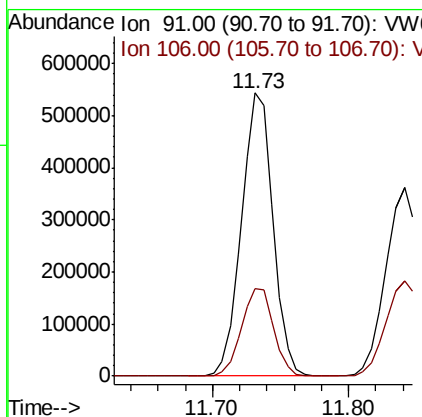
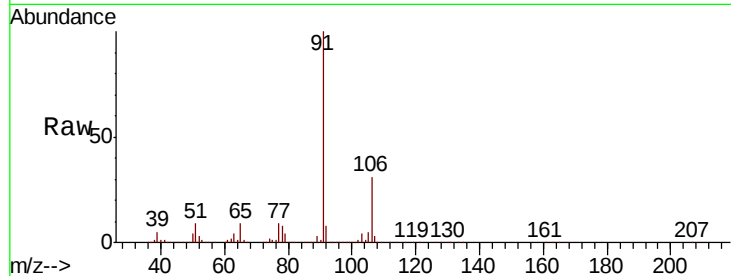




#52
Ethylbenzene
Concen: 24.968 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

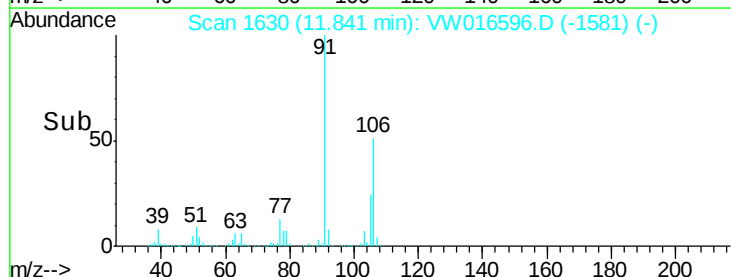
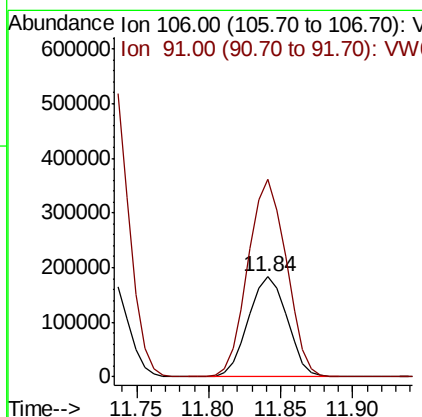
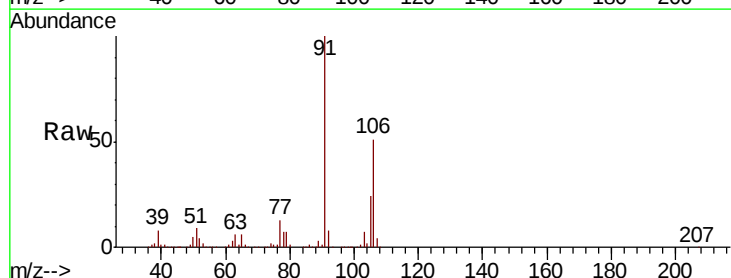
Instrument :
MSVOA_W
ClientSampleId :
VSTD025109

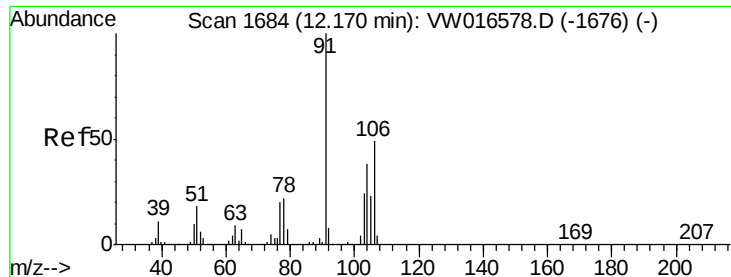
Tot Ion: 91 Resp: 877454
Ion Ratio Lower Upper
91 100
106 30.8 22.0 41.0



#53
m,p-Xylene
Concen: 25.107 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

Tgt Ion: 106 Resp: 343724
Ion Ratio Lower Upper
106 100
91 197.3 136.2 252.9

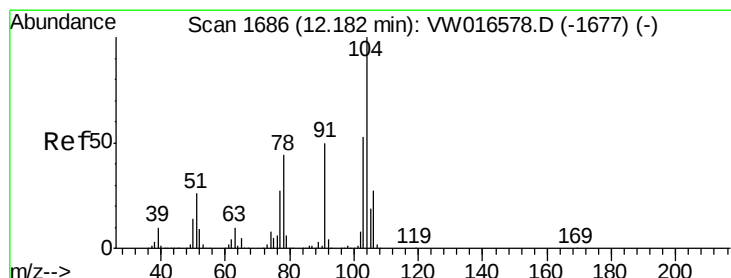
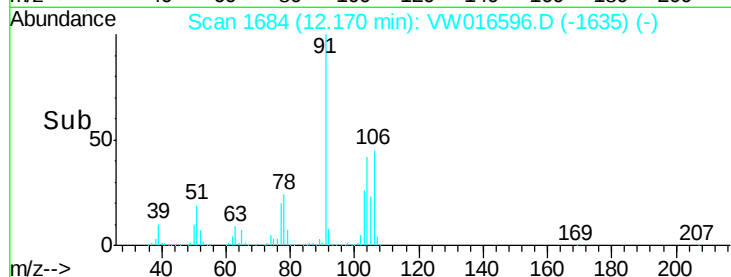
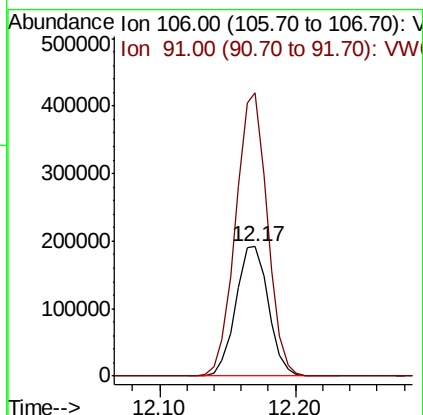
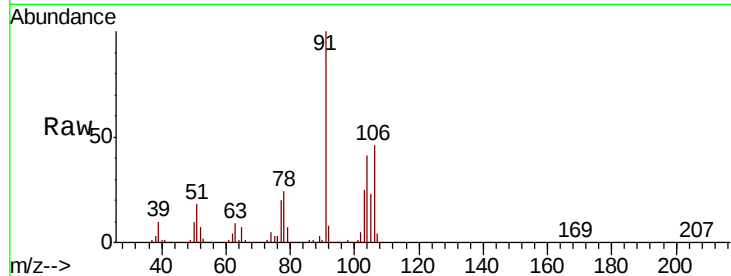




#54
o-Xylene
Concen: 24.722 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

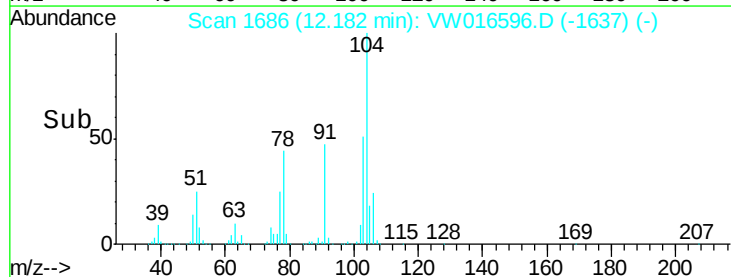
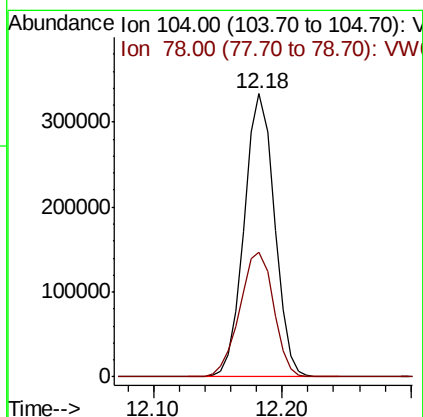
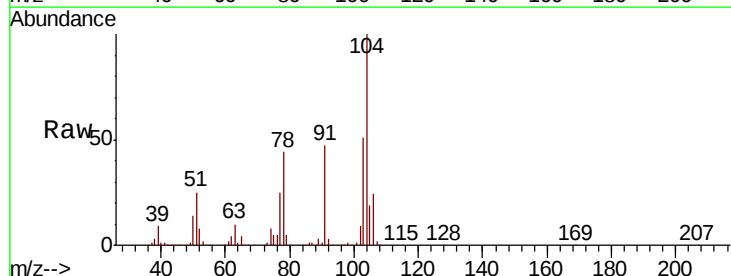
Instrument :
MSVOA_W
ClientSampleId :
VSTD025109

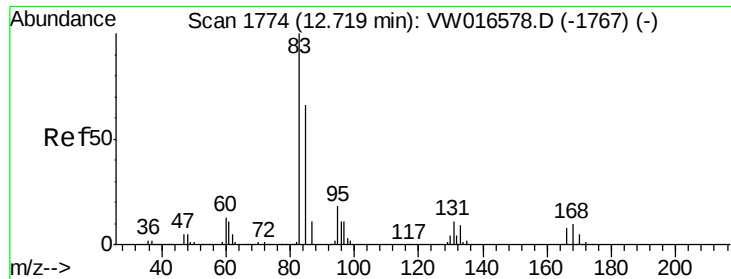
Tot Ion:106 Resp: 320350
Ion Ratio Lower Upper
106 100
91 218.7 143.4 266.2



#55
Styrene
Concen: 25.121 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

Tgt Ion:104 Resp: 541998
Ion Ratio Lower Upper
104 100
78 44.0 31.1 57.9

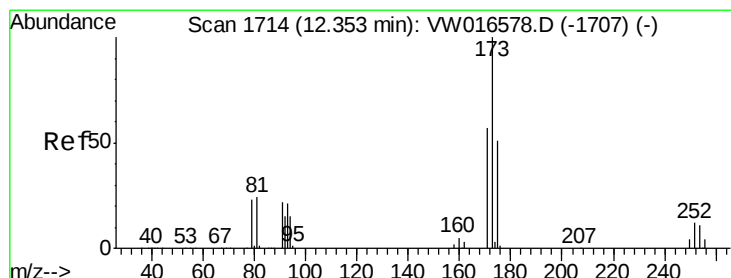
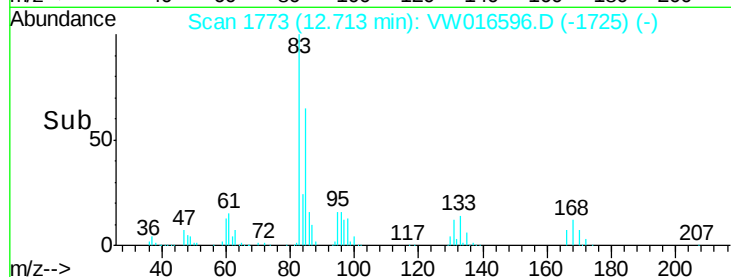
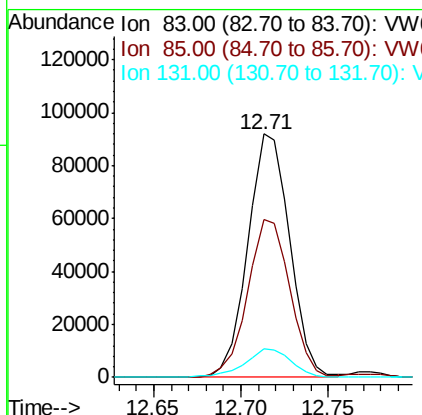
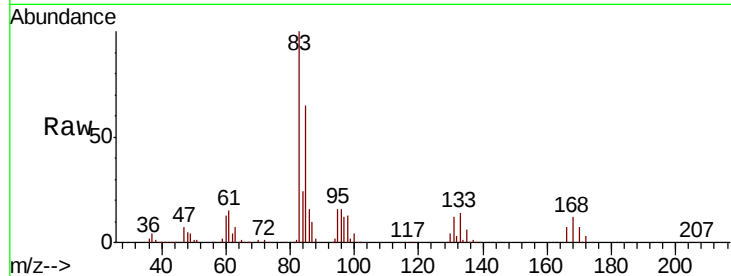




#57
 1,1,2,2-Tetrachloroethane
 Concen: 27.689 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: VW016596.D
 Acq: 21 Sep 2020 14:42

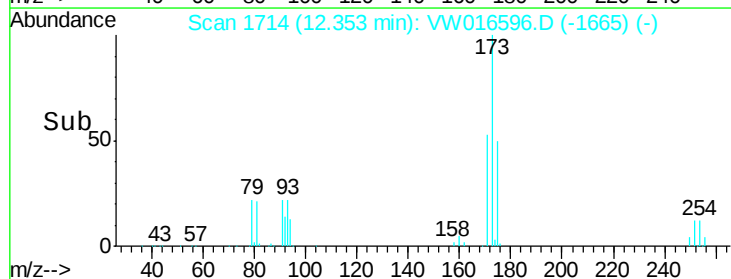
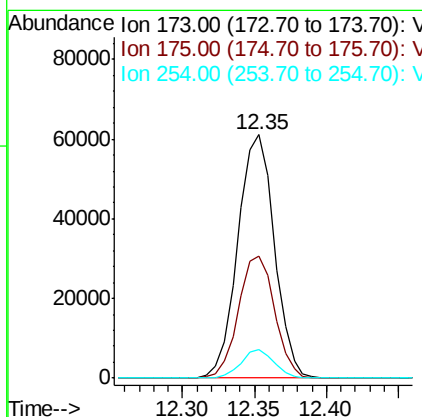
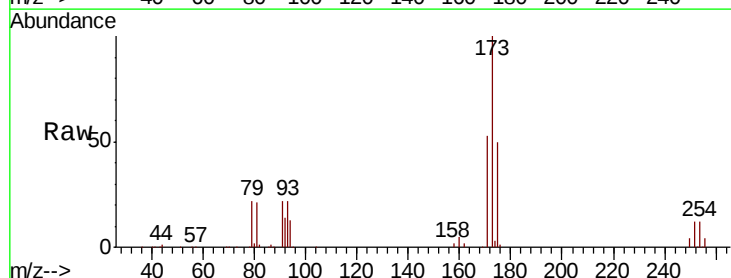
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025109

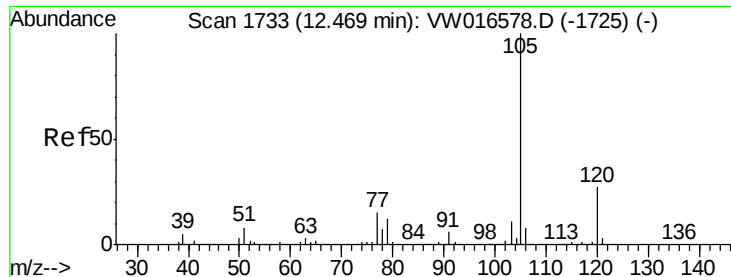
Tot Ion: 83 Resp: 152964
 Ion Ratio Lower Upper
 83 100
 85 64.6 46.3 85.9
 131 11.6 9.3 13.9



#59
 Bromoform
 Concen: 26.405 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016596.D
 Acq: 21 Sep 2020 14:42

Tgt Ion: 173 Resp: 107640
 Ion Ratio Lower Upper
 173 100
 175 49.7 39.7 59.5
 254 10.7 8.2 12.2





#60

Isopropylbenzene

Concen: 24.625 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD025109

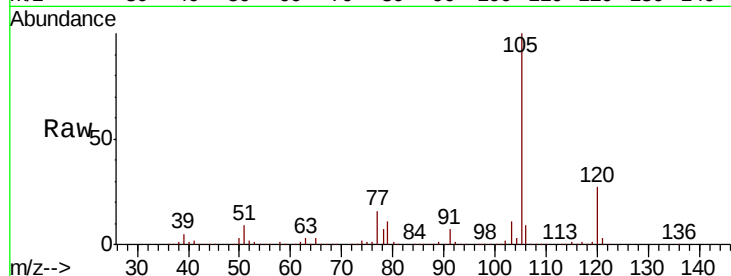
Tot Ion:105 Resp: 907886

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.8

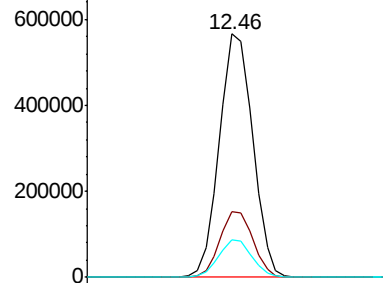
77 15.2 12.1 18.1



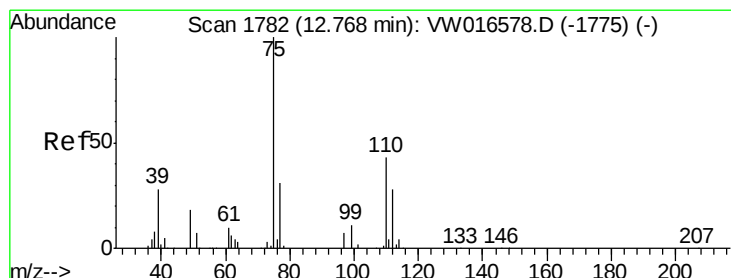
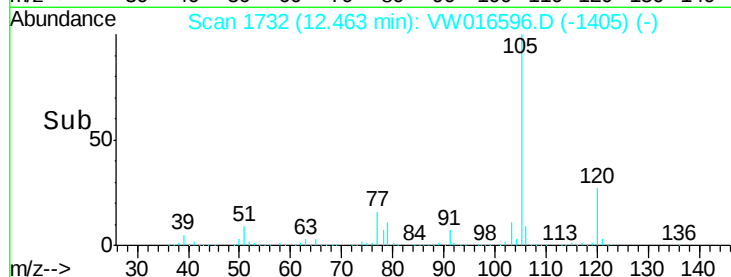
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#61

1,2,3-Trichloropropane

Concen: 27.146 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

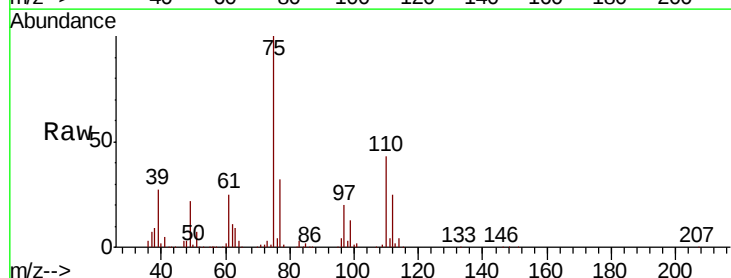
Tgt Ion: 75 Resp: 112964

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8

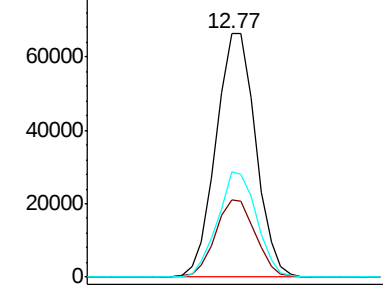
110 42.6 35.8 53.8



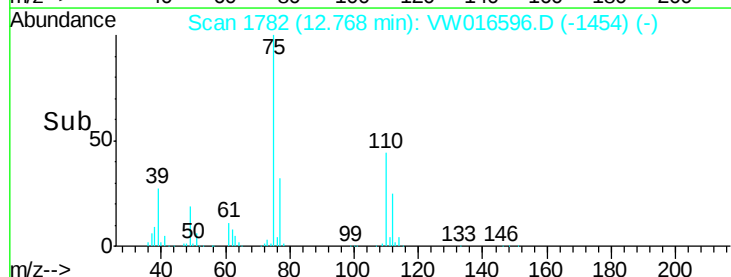
Abundance Ion 75.00 (74.70 to 75.70): VW

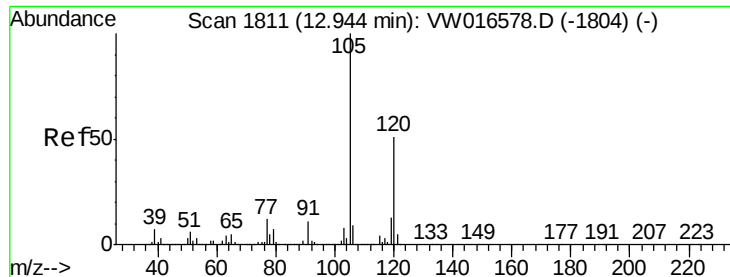
Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V



Time-->





#62

1,3,5-Trimethylbenzene

Concen: 24.484 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016596.D

Acq: 21 Sep 2020 14:42

Instrument :

MSVOA_W

ClientSampled :

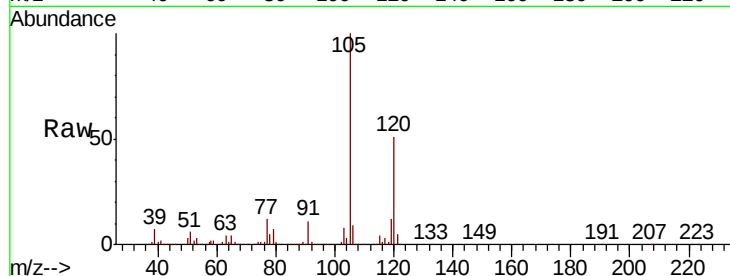
VSTD025109

Tot Ion:105 Resp: 742850

Ion Ratio Lower Upper

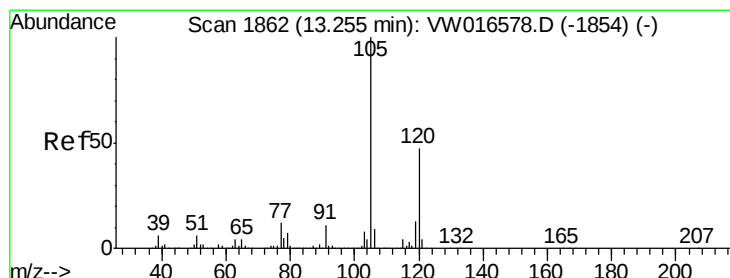
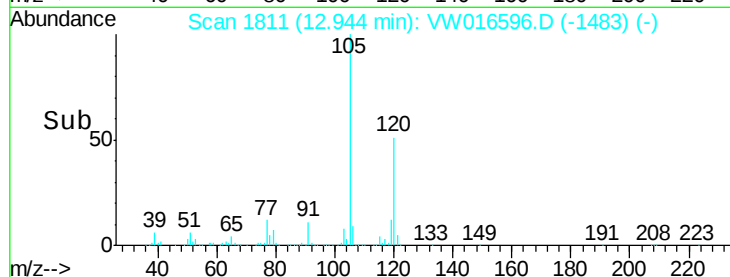
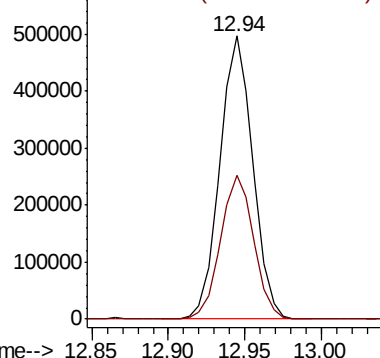
105 100

120 51.0 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: 24.704 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW016596.D

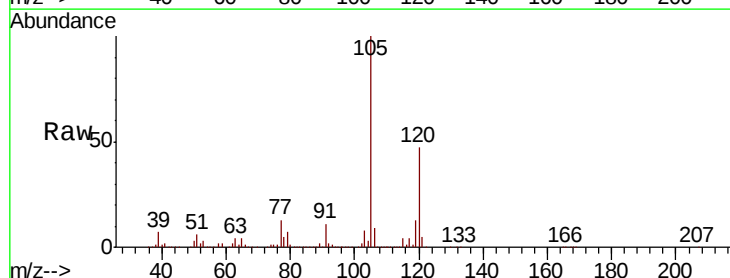
Acq: 21 Sep 2020 14:42

Tgt Ion:105 Resp: 744948

Ion Ratio Lower Upper

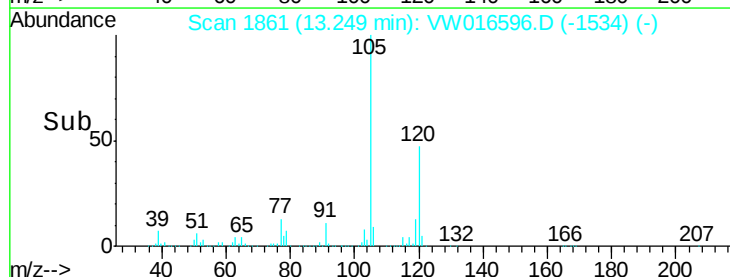
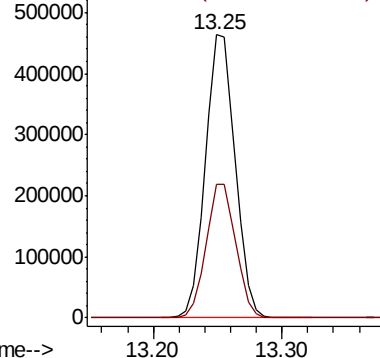
105 100

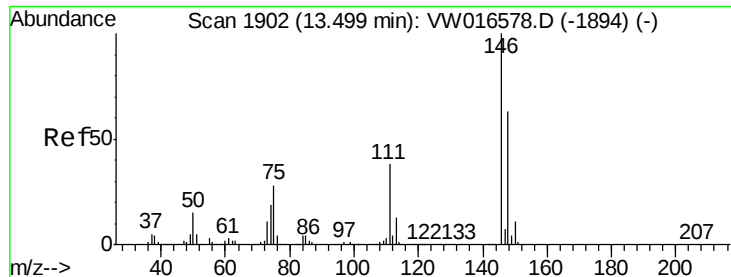
120 47.0 36.4 54.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

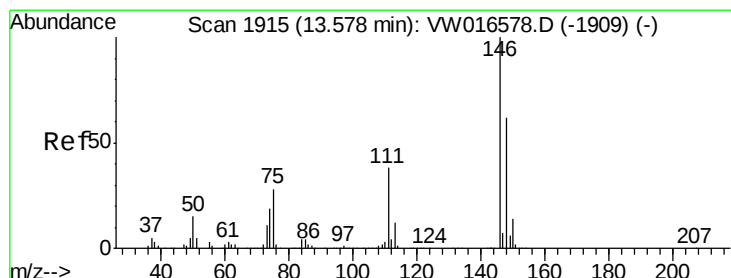
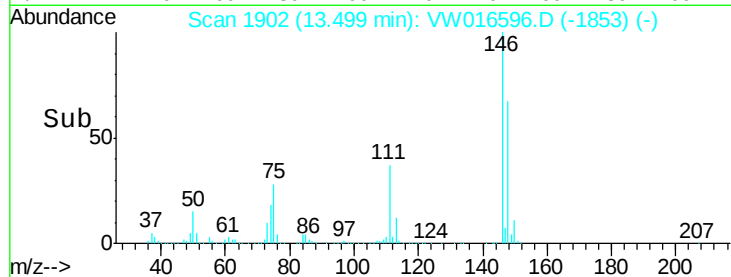
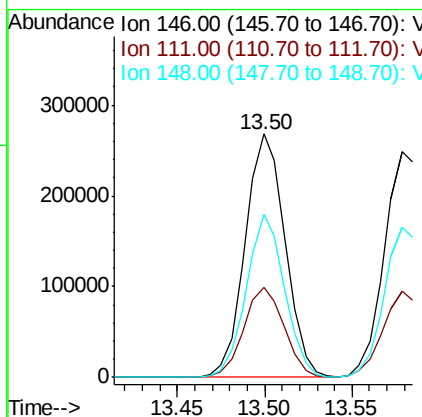
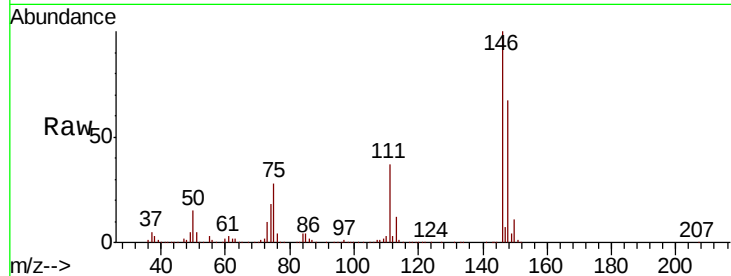




#64
 1,3-Dichlorobenzene
 Concen: 25.277 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016596.D
 Acq: 21 Sep 2020 14:42

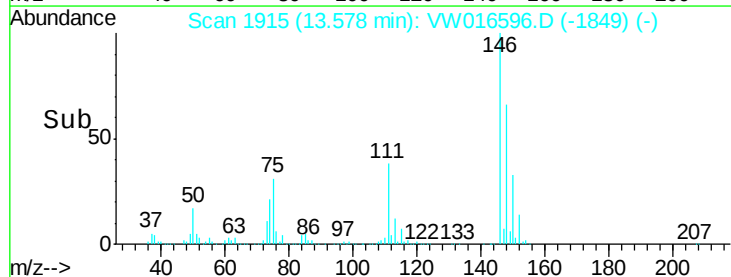
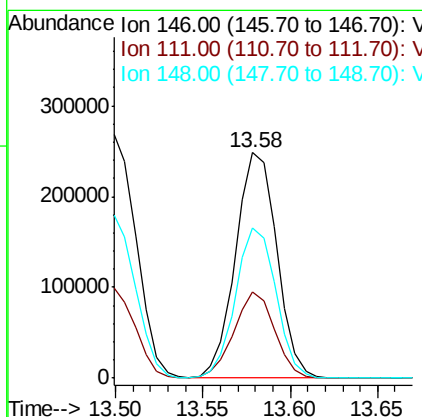
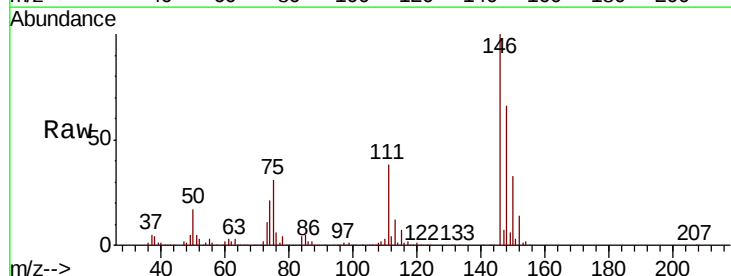
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025109

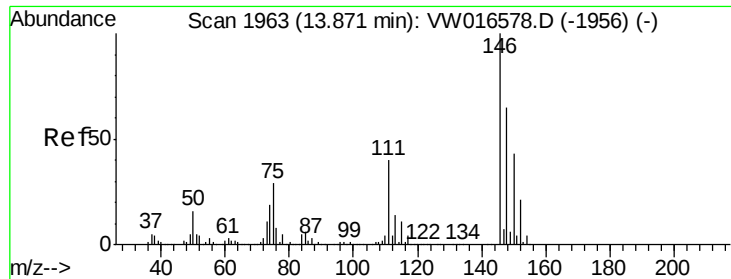
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	26.5	49.3
148	66.8	44.0	81.8



#65
 1,4-Dichlorobenzene
 Concen: 24.740 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016596.D
 Acq: 21 Sep 2020 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	26.5	49.3
148	66.5	43.8	81.4

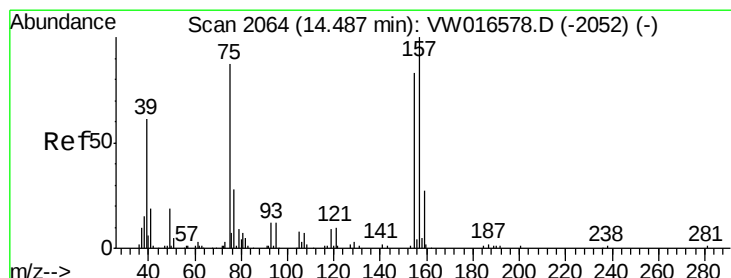
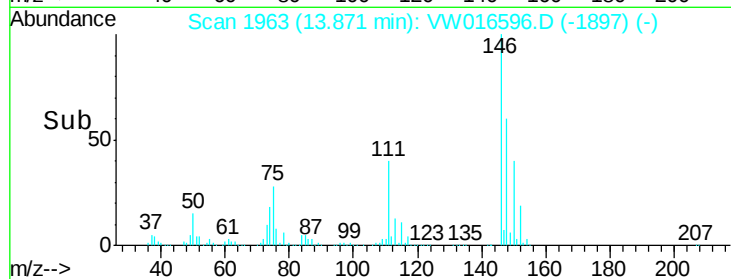
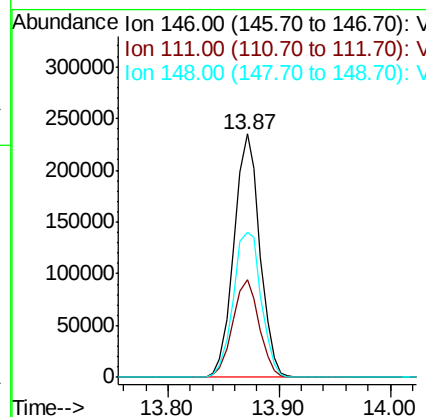
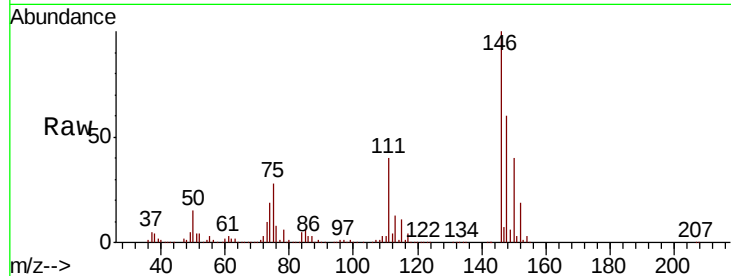




#67
 1,2-Dichlorobenzene
 Concen: 25.246 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016596.D
 Acq: 21 Sep 2020 14:42

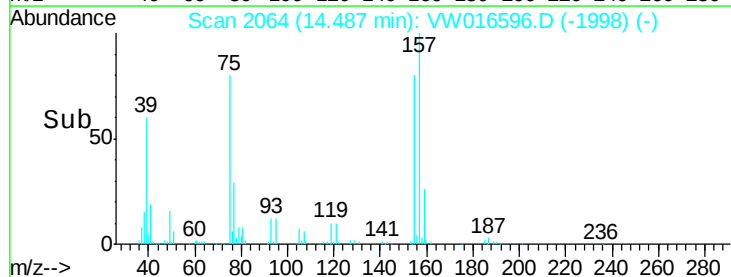
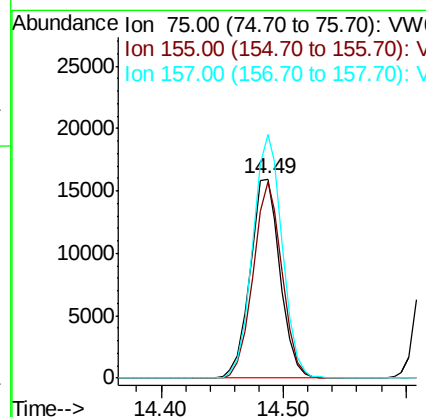
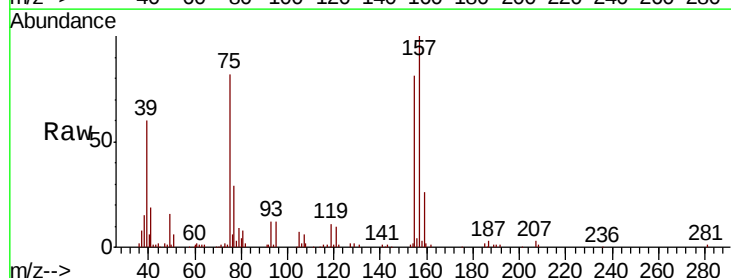
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025109

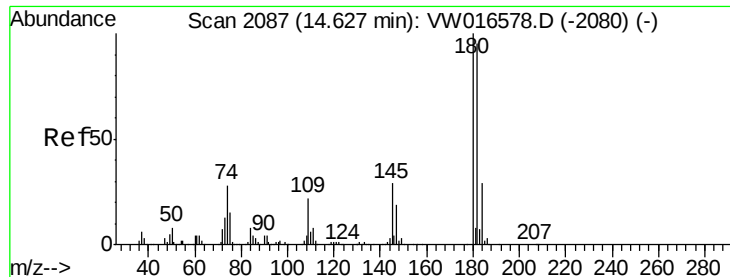
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	32.4	48.6
148	59.8	52.2	78.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 27.691 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016596.D
 Acq: 21 Sep 2020 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	76.6	115.0
157	122.2	92.0	138.0

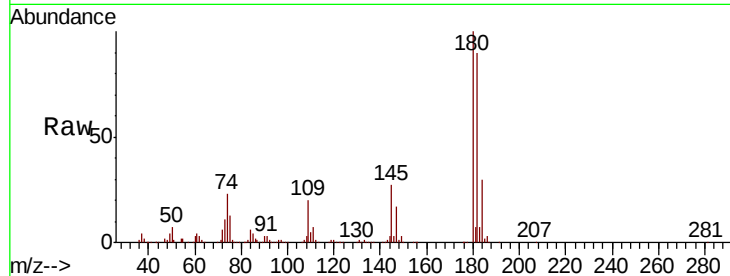




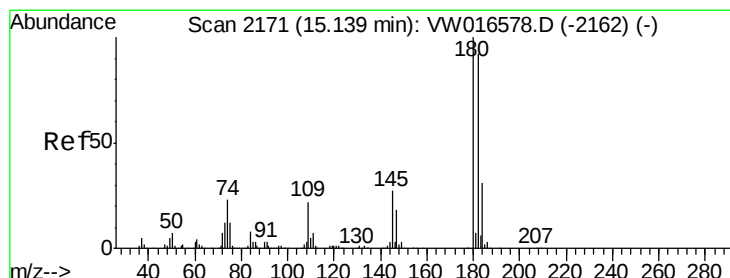
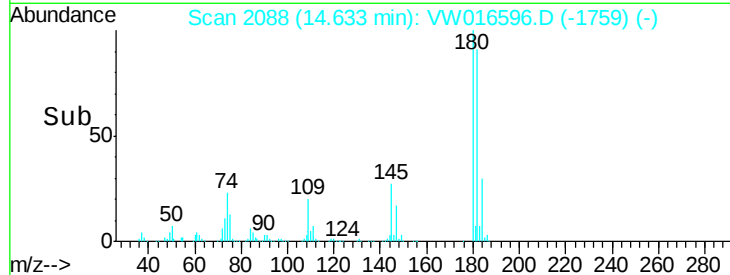
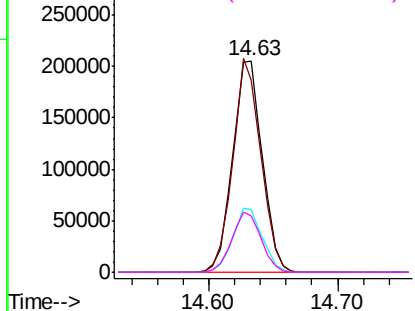
#69
 1,3,5-Trichlorobenzene
 Concen: 26.264 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016596.D
 Acq: 21 Sep 2020 14:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025109

Tot Ion:180	Resp:	328004
Ion	Ratio	Lower Upper
180	100	
182	95.4	79.0 118.4
184	30.2	24.6 36.8
145	28.2	23.2 34.8

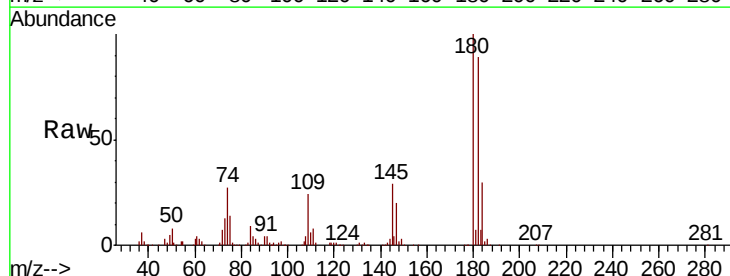


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

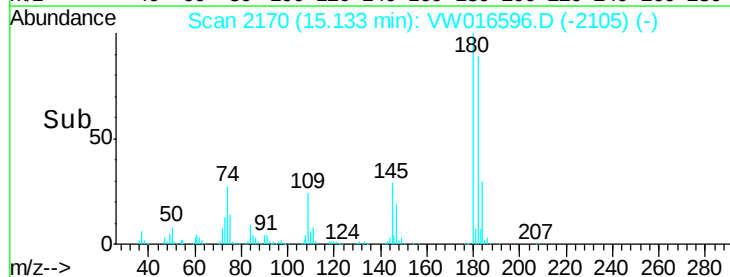
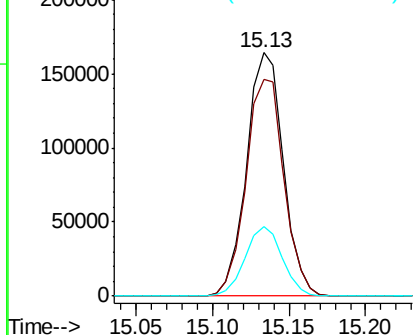


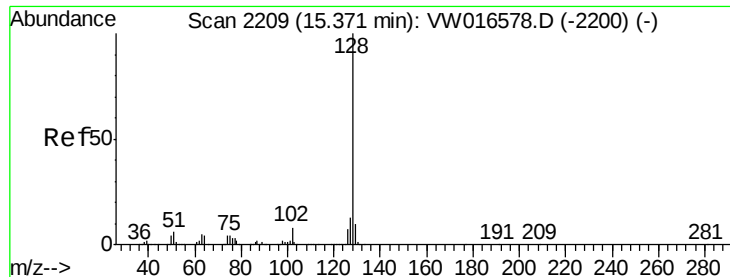
#70
 1,2,4-trichlorobenzene
 Concen: 27.223 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW016596.D
 Acq: 21 Sep 2020 14:42

Tgt Ion:180	Resp:	274575
Ion	Ratio	Lower Upper
180	100	
182	92.2	76.1 114.1
145	28.7	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

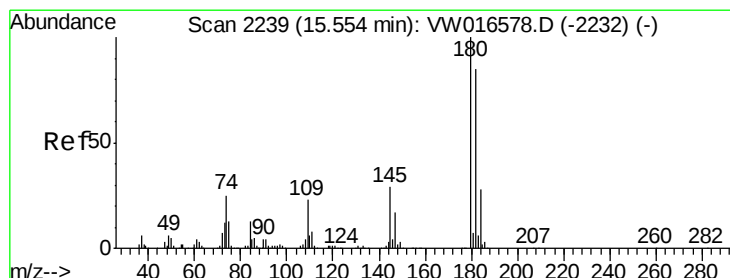
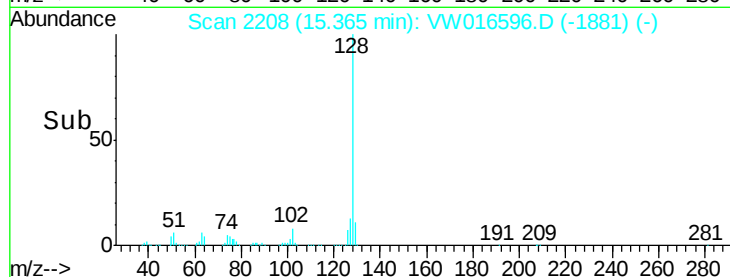
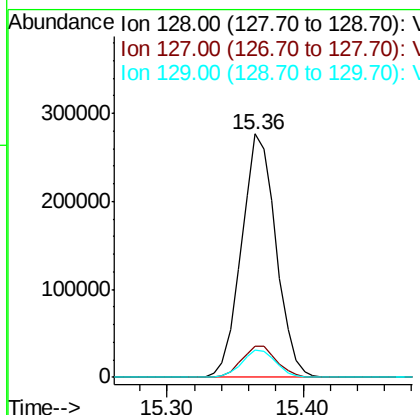
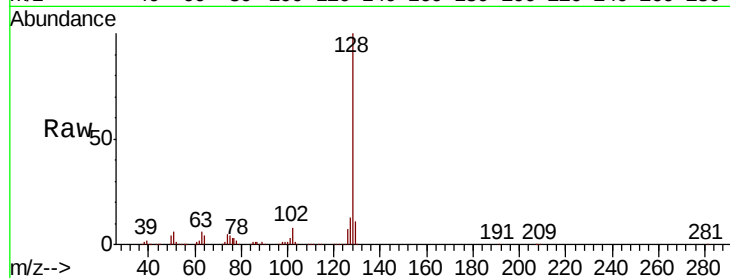




#71
Naphthalene
Concen: 28.952 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

Instrument :
MSVOA_W
ClientSampleId :
VSTD025109

Tot Ion:128 Resp: 490047
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 11.1 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 26.734 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW016596.D
Acq: 21 Sep 2020 14:42

Tgt Ion:180 Resp: 226398
Ion Ratio Lower Upper
180 100
182 97.9 75.5 113.3
145 32.3 24.3 36.5

