

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080620\
 Data File : VW016060.D
 Acq On : 06 Aug 2020 21:50
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Quant Time: Aug 07 07:44:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 07 07:41:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	281396	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	262719	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	130235	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	93250	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.92%
7) Chloroethane-d5	2.89	69	72821	22.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.32%
10) 1,1-Dichloroethene-d2	4.01	63	190422	23.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.88%
20) 2-Butanone-d5	7.09	46	55144	52.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.74%
24) Chloroform-d	7.65	84	205389	25.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.96%
26) 1,2-Dichloroethane-d4	8.31	65	105892	24.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.64%
29) Benzene-d6	8.27	84	412030	25.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.08%
33) 1,2-Dichloropropane-d6	9.27	67	120087	25.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.20%
37) Toluene-d8	10.32	98	386127	26.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.64%
38) trans-1,3-Dichloropropene-	10.58	79	52170	25.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.12%
39) 2-Hexanone-d5	10.93	63	46858	58.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	103602	28.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	135728	26.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	47572	19.979	ug/L 95
3) Chloromethane	2.21	50	54543	18.940	ug/L 100
5) Vinyl chloride	2.37	62	83152	18.721	ug/L 97
6) Bromomethane	2.78	94	53437	20.166	ug/L 98
8) Chloroethane	2.93	64	52023	19.993	ug/L 98
9) Trichlorofluoromethane	3.26	101	59277	19.854	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	89960	24.649	ug/L 94
12) 1,1-Dichloroethene	4.03	96	86539	23.924	ug/L 87
13) Acetone	4.15	43	33748	38.529	ug/L 93
14) Carbon disulfide	4.37	76	228180	19.974	ug/L 100
15) Methyl Acetate	4.68	43	41294	25.003	ug/L 93
16) Methylene chloride	4.91	84	108880	23.613	ug/L 87
17) Methyl tert-butyl Ether	5.43	73	133011	26.003	ug/L 95
18) trans-1,2-Dichloroethene	5.42	96	91858	24.048	ug/L 92
19) 1,1-Dichloroethane	6.21	63	164831	23.416	ug/L 99
21) 2-Butanone	7.18	43	52667	48.624	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	101452	25.385	ug/L 92

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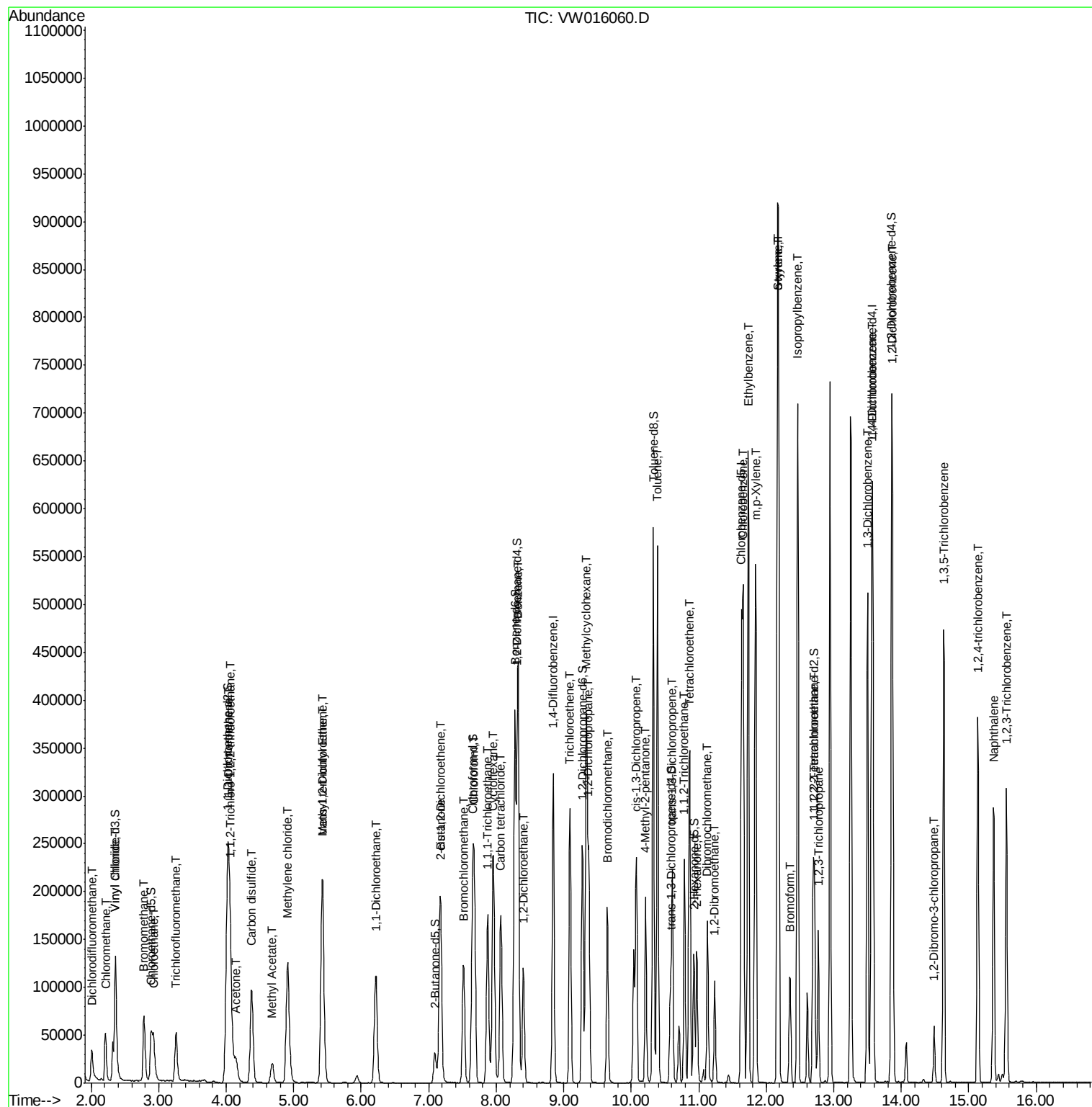
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	48052	27.420	ug/L	90
25) Chloroform	7.68	83	174758	25.050	ug/L	99
27) 1,2-Dichloroethane	8.40	62	108907	22.942	ug/L #	94
30) Cyclohexane	7.95	56	138017	20.835	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	144673	23.584	ug/L	96
32) Carbon tetrachloride	8.07	117	136255	24.494	ug/L	97
34) Benzene	8.32	78	379570	23.788	ug/L	100
35) Trichloroethene	9.09	95	100989	23.925	ug/L	94
36) Methylcyclohexane	9.34	83	164110	22.658	ug/L	96
40) 1,2-Dichloropropane	9.37	63	93108	23.554	ug/L	98
41) Bromodichloromethane	9.65	83	125318	24.548	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	143135	23.775	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	121034	52.458	ug/L	94
44) Toluene	10.39	91	417440	24.943	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	127777	24.486	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	75492	26.558	ug/L	98
47) Tetrachloroethene	10.87	164	85955	26.235	ug/L	93
49) 2-Hexanone	10.97	43	82713	50.517	ug/L #	93
50) Dibromochloromethane	11.13	129	90940	27.633	ug/L	98
51) 1,2-Dibromoethane	11.24	107	73024	26.854	ug/L	98
52) Chlorobenzene	11.66	112	266434	24.845	ug/L	96
53) Ethylbenzene	11.73	91	466944	24.813	ug/L	99
54) m,p-Xylene	11.84	106	179039	25.429	ug/L	89
55) o-xylene	12.17	106	171733	25.904	ug/L	93
56) Styrene	12.18	104	297725	26.407	ug/L	99
57) Isopropylbenzene	12.46	105	463327	25.673	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	91832	27.512	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	69199	27.669	ug/L	99
62) Bromoform	12.35	173	55349	28.890	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	217254	26.065	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	213003	25.179	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	194287	25.661	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	15551	27.289	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	154687	26.393	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	126155	27.100	ug/L	98
69) Naphthalene	15.36	128	254846	29.058	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	119295	28.761	ug/L	98

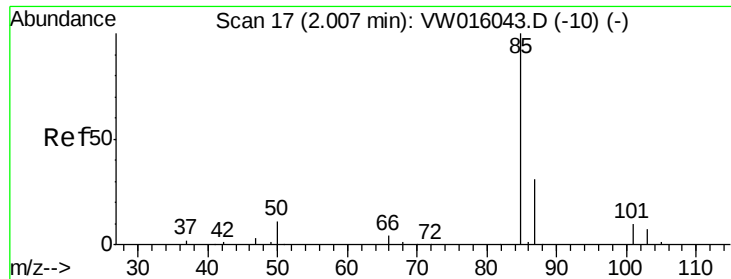
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.979 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

Instrument :

MSVOA_W

ClientSampleId :

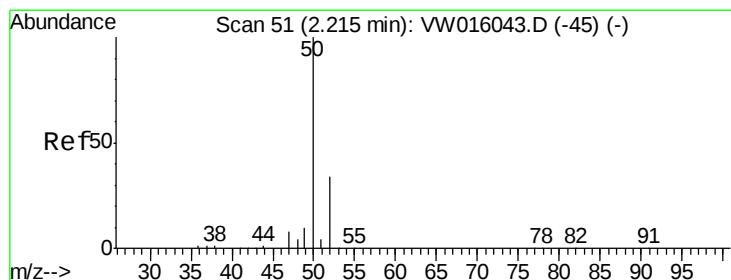
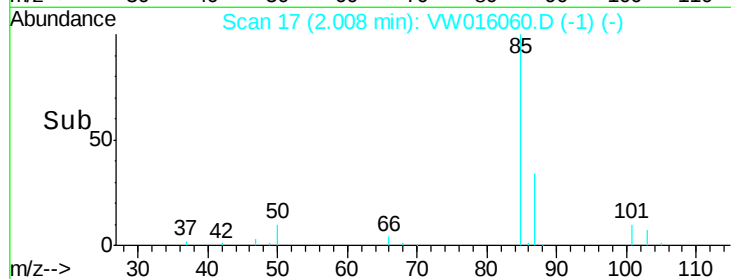
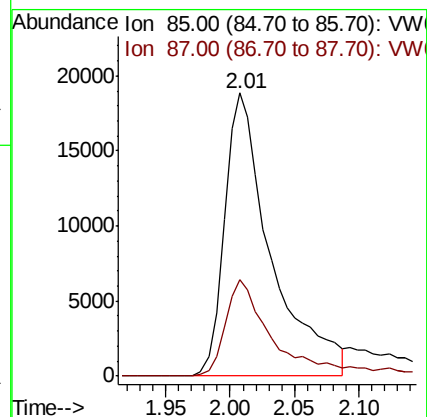
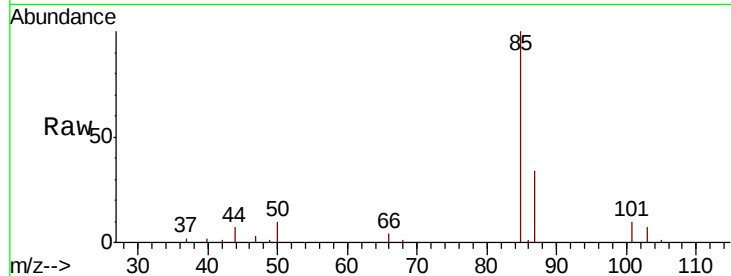
VSTD02526

Tot Ion: 85 Resp: 47572

Ion Ratio Lower Upper

85 100

87 32.9 21.0 39.0



#3

Chloromethane

Concen: 18.940 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW016060.D

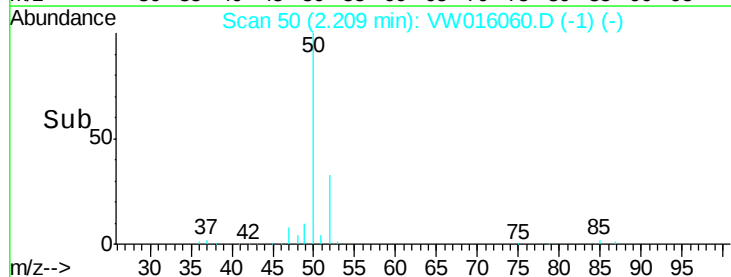
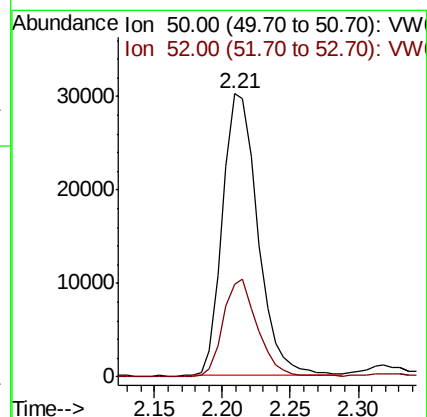
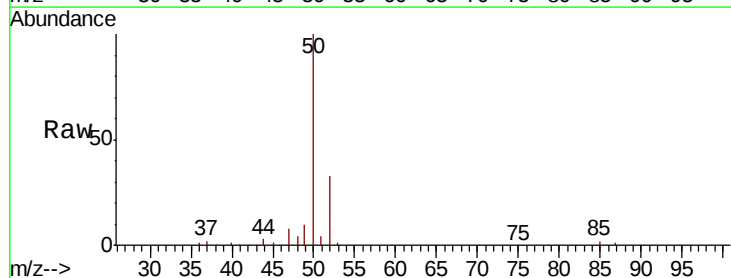
Acq: 06 Aug 2020 21:50

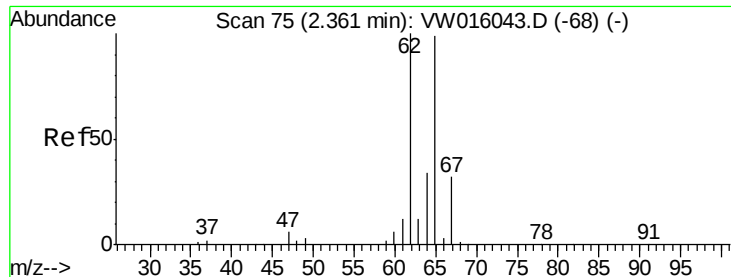
Tgt Ion: 50 Resp: 54543

Ion Ratio Lower Upper

50 100

52 32.6 22.8 42.4





#5

Vinyl chloride

Concen: 18.721 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

Instrument :

MSVOA_W

ClientSampleId :

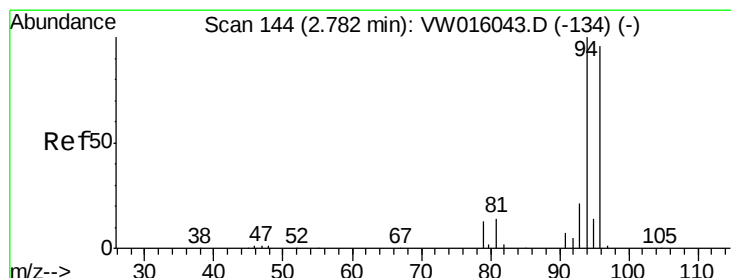
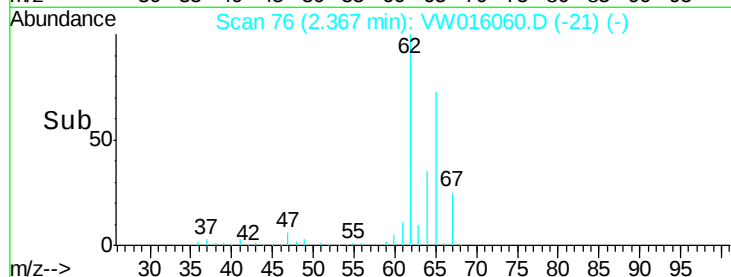
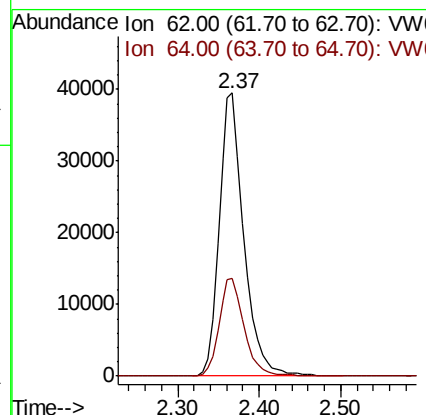
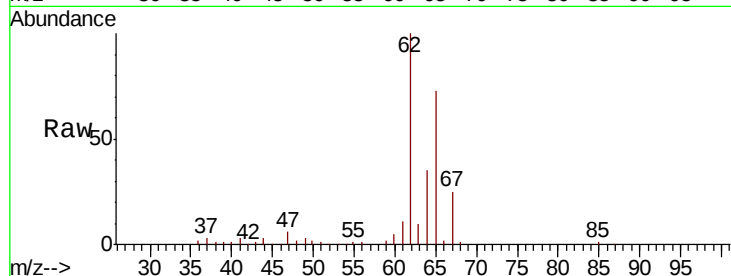
VSTD02526

Tot Ion: 62 Resp: 83152

Ion Ratio Lower Upper

62 100

64 34.7 23.2 43.0



#6

Bromomethane

Concen: 20.166 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016060.D

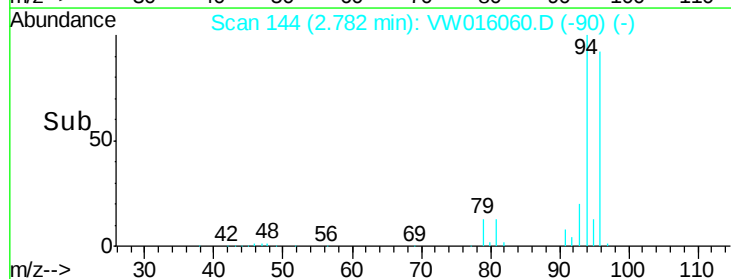
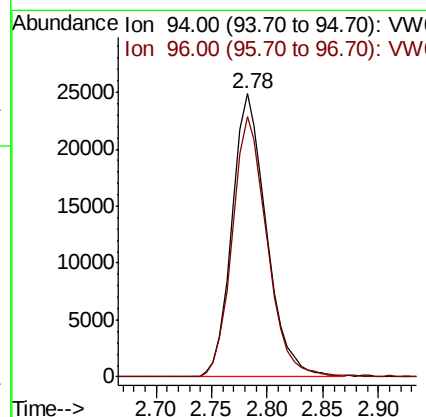
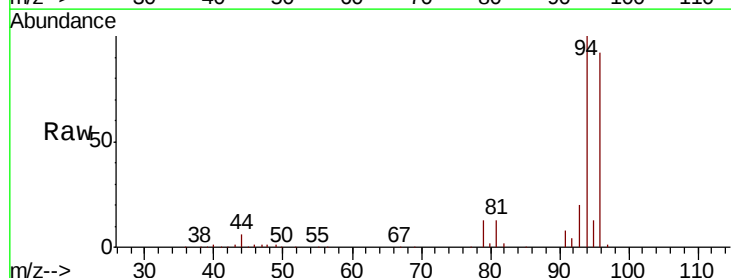
Acq: 06 Aug 2020 21:50

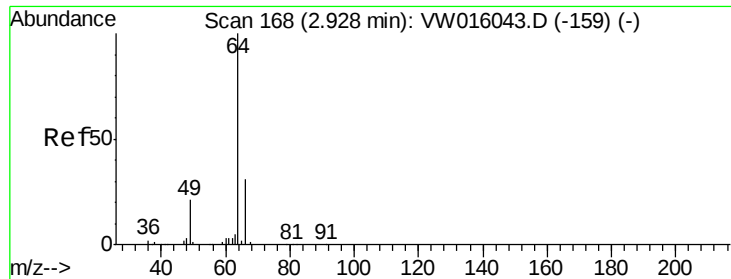
Tgt Ion: 94 Resp: 53437

Ion Ratio Lower Upper

94 100

96 92.4 9.5 180.1

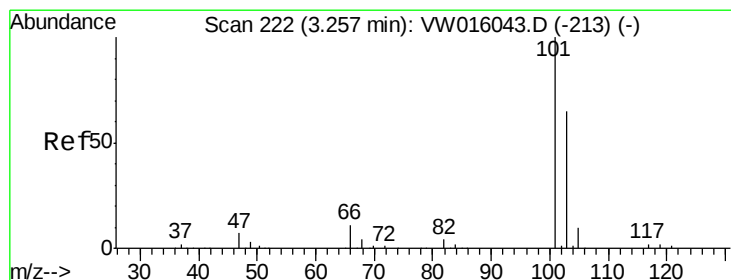
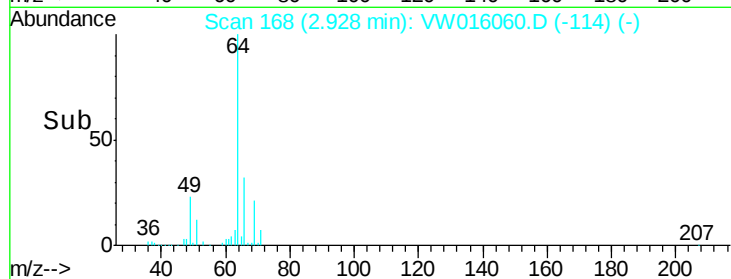
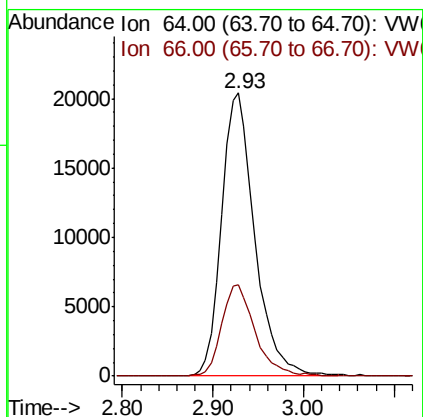
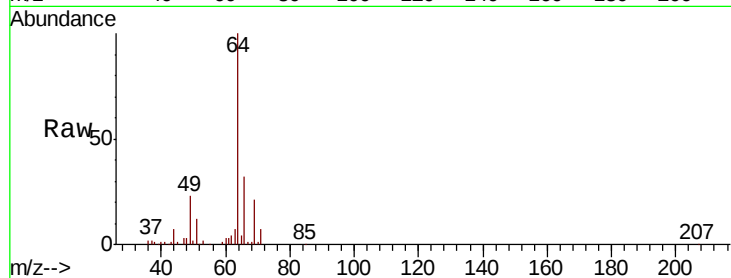




#8
Chloroethane
Concen: 19.993 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW016060.D
Acq: 06 Aug 2020 21:50

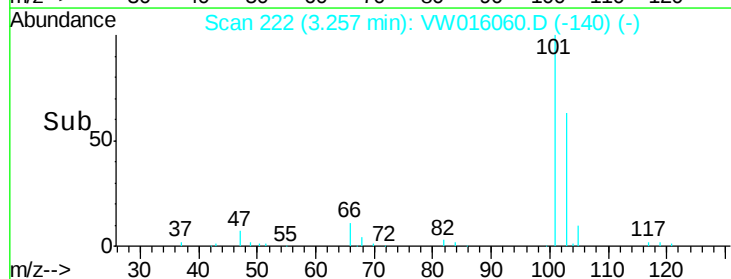
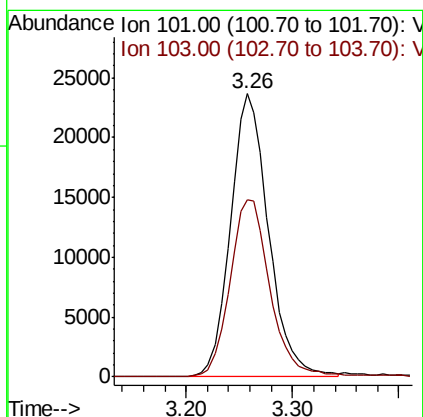
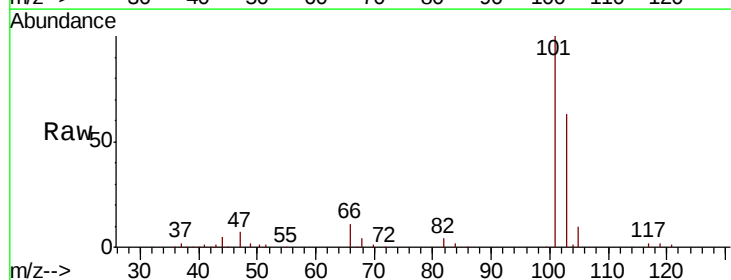
Instrument :
MSVOA_W
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VSTD02526

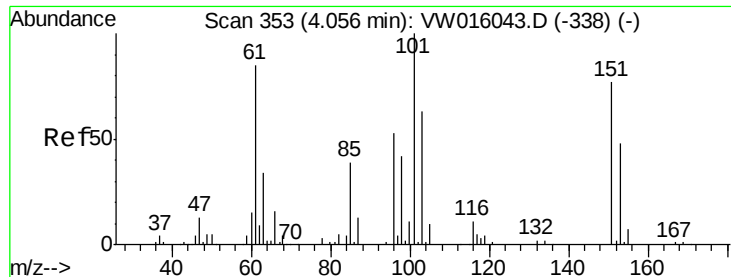
Tot Ion: 64 Resp: 52023
Ion Ratio Lower Upper
64 100
66 32.4 21.8 40.4



#9
Trichlorofluoromethane
Concen: 19.854 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW016060.D
Acq: 06 Aug 2020 21:50

Tgt Ion: 101 Resp: 59277
Ion Ratio Lower Upper
101 100
103 65.0 45.8 85.2





#11

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

Concen: 24.649 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

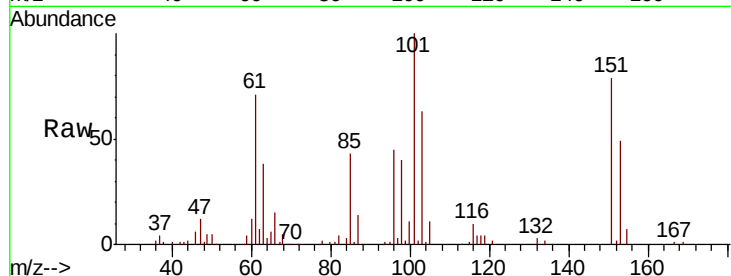
Tot Ion:101 Resp: 89960

Ion Ratio Lower Upper

101 100

85 42.9 35.5 53.3

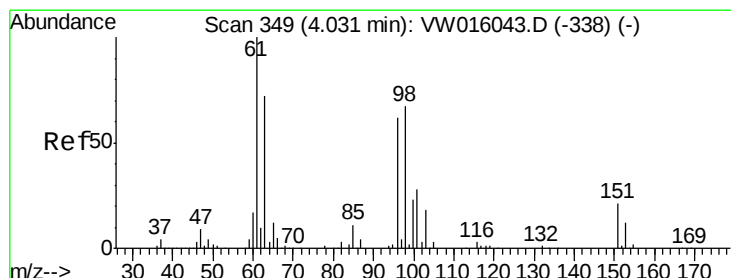
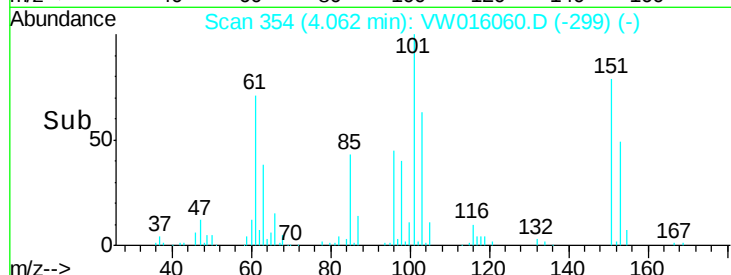
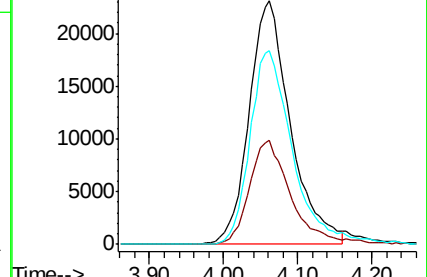
151 79.3 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.924 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW016060.D

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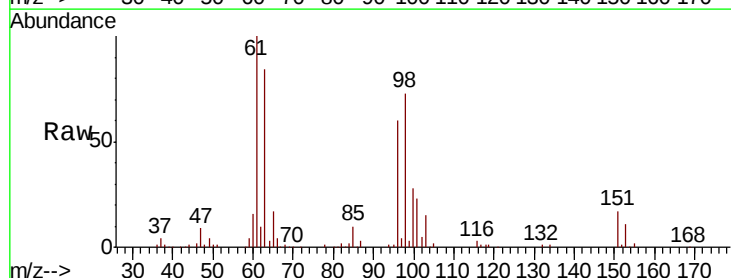
Tgt Ion: 96 Resp: 86539

Ion Ratio Lower Upper

96 100

61 167.7 125.0 232.2

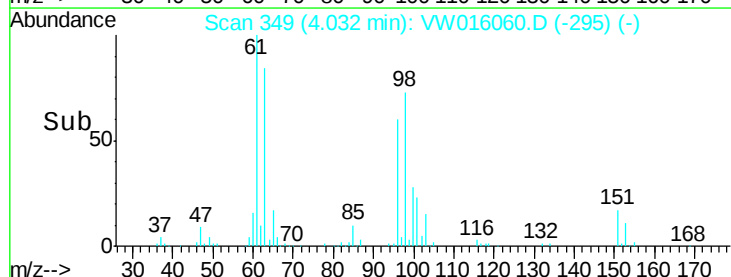
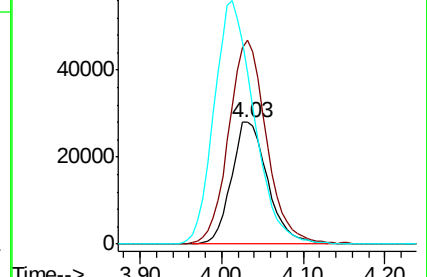
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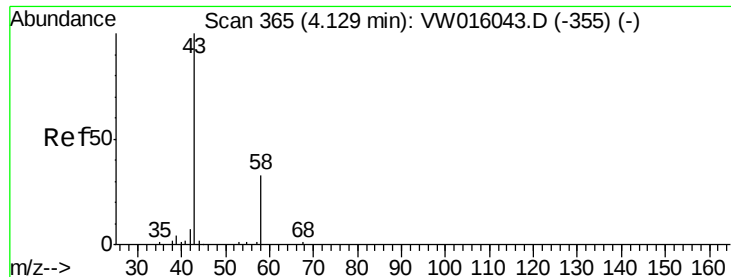


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.529 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

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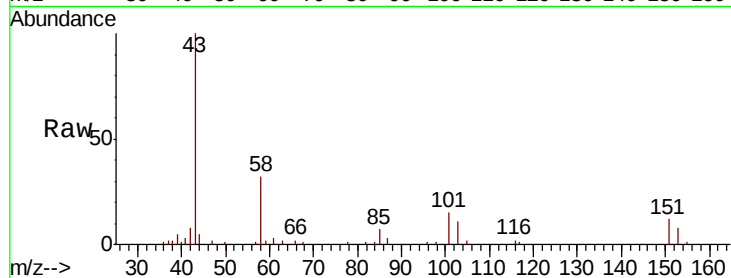
VSTD02526

Tot Ion: 43 Resp: 33748

Ion Ratio Lower Upper

43 100

58 33.0 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

12000

10000

8000

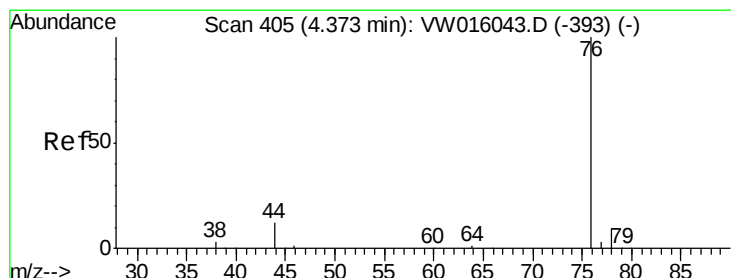
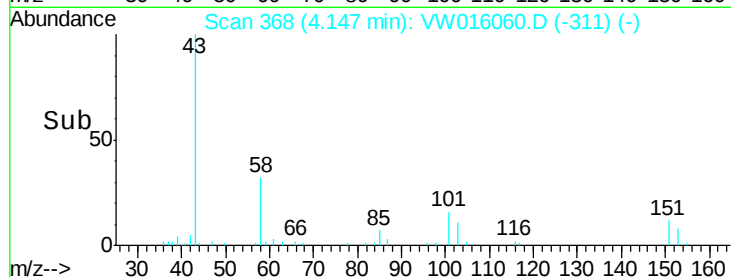
6000

4000

2000

0

Time-->



#14

Carbon disulfide

Concen: 19.974 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW016060.D

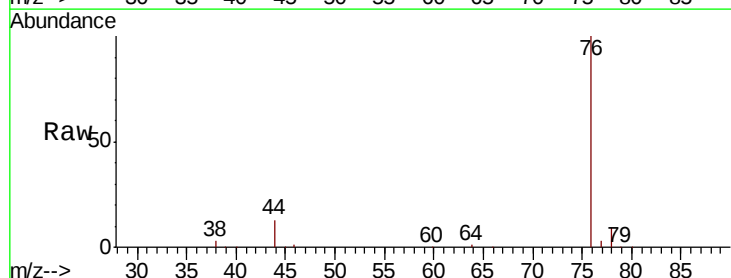
Acq: 06 Aug 2020 21:50

Tgt Ion: 76 Resp: 228180

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.37

80000

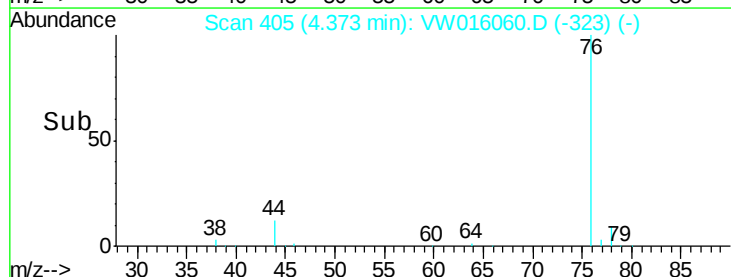
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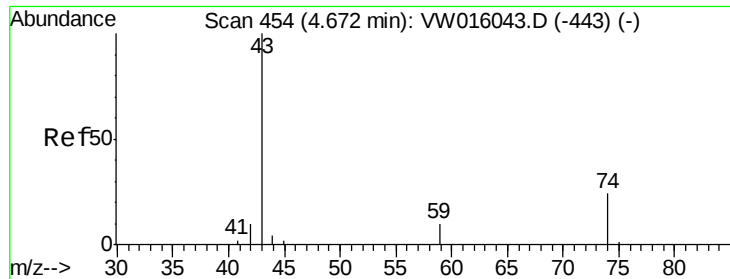
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Time-->

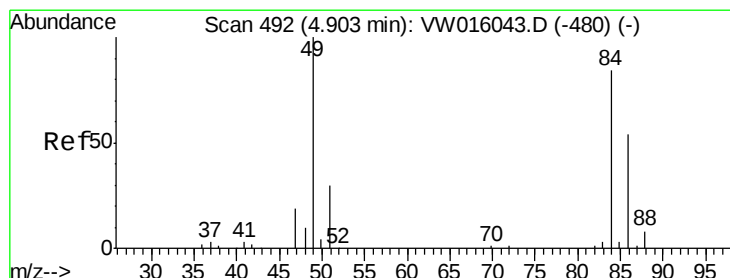
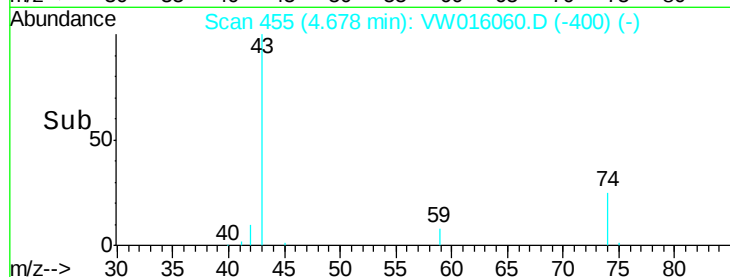
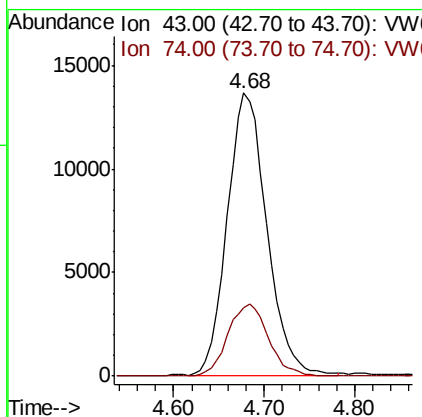
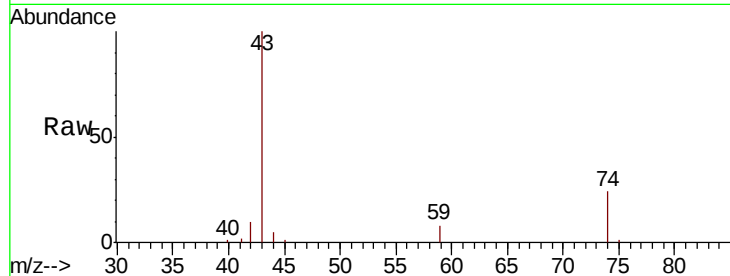




#15
Methvl Acetate
Concen: 25.003 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016060.D
Acq: 06 Aug 2020 21:50

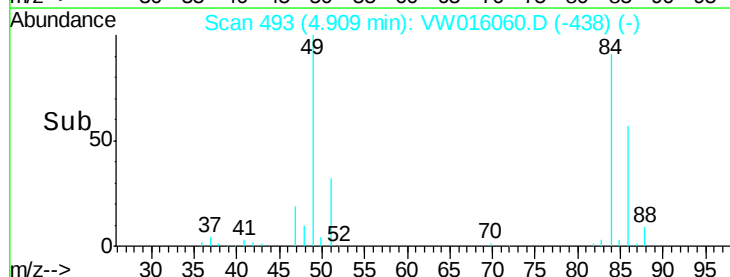
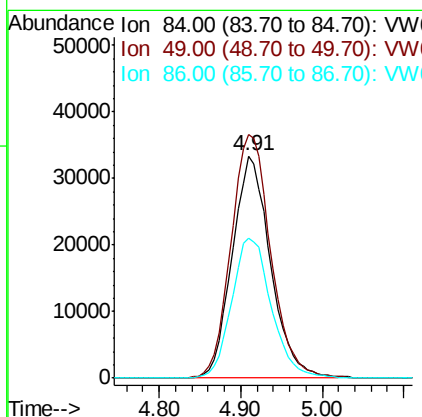
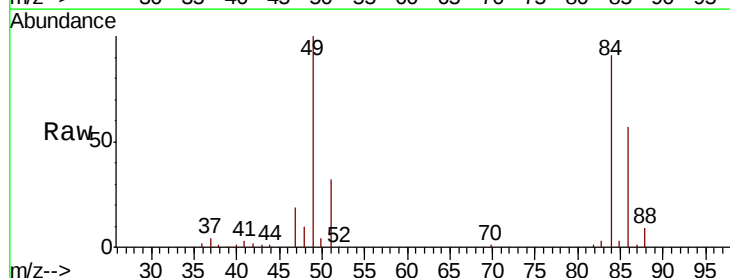
Instrument :
MSVOA_W
ClientSampled :
VSTD02526

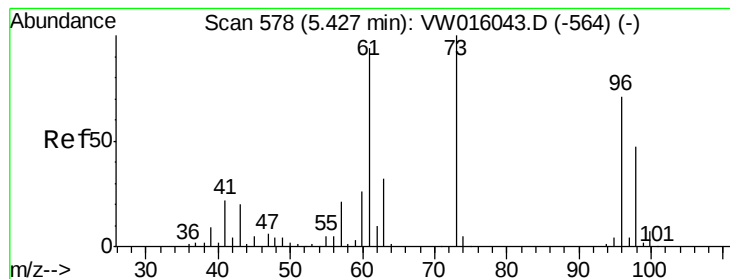
Tot Ion: 43 Resp: 41294
Ion Ratio Lower Upper
43 100
74 25.9 18.2 27.2



#16
Methylene chloride
Concen: 23.613 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW016060.D
Acq: 06 Aug 2020 21:50

Tgt Ion: 84 Resp: 108880
Ion Ratio Lower Upper
84 100
49 109.6 91.1 169.1
86 62.8 46.0 85.4



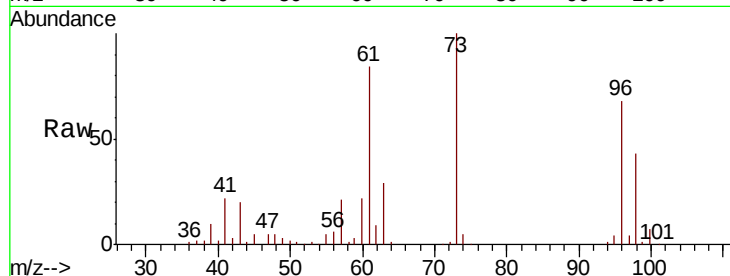


#17

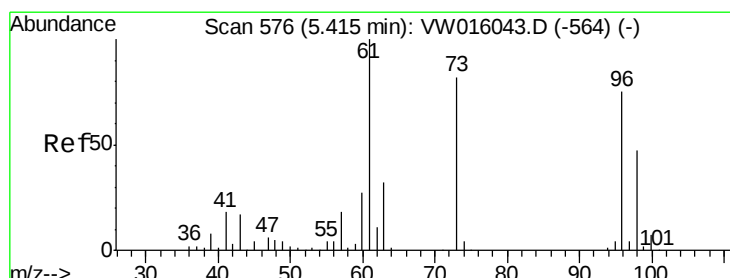
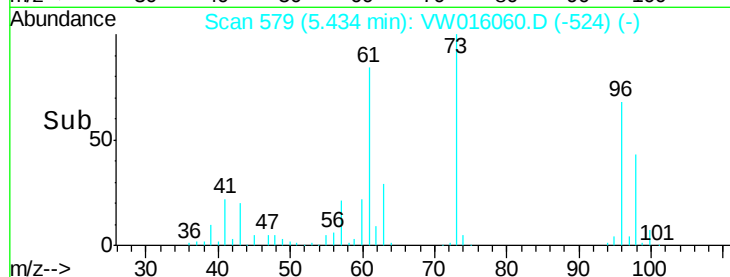
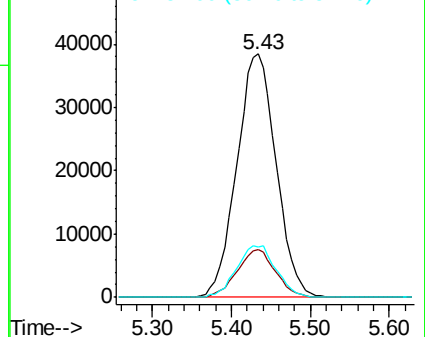
Methvl tert-butvl Ether
 Concen: 26.003 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW016060.D
 Acq: 06 Aug 2020 21:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Tot Ion: 73 Resp: 133011
 Ion Ratio Lower Upper
 73 100
 43 19.2 18.4 27.6
 57 21.5 17.8 26.8



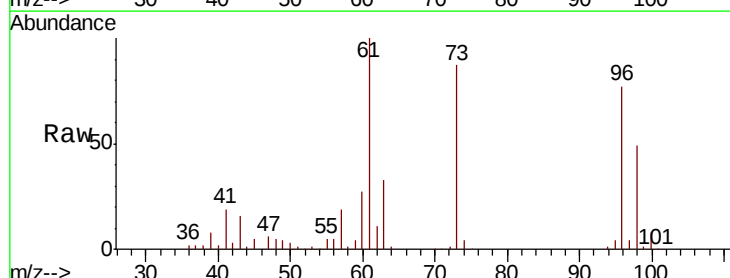
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



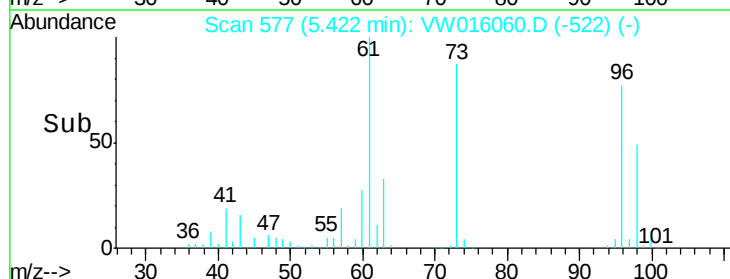
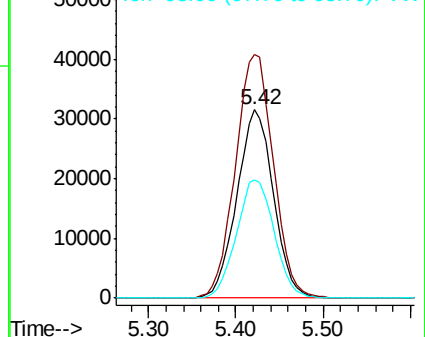
#18

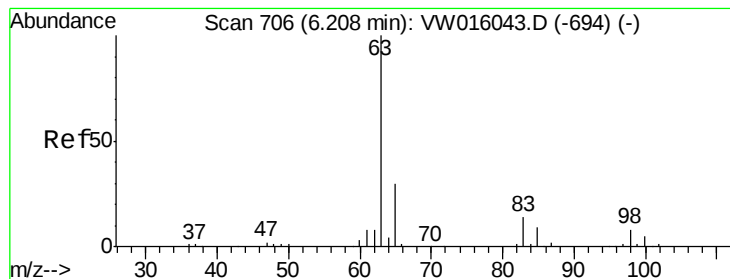
trans-1,2-Dichloroethene
 Concen: 24.048 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW016060.D
 Acq: 06 Aug 2020 21:50

Tgt Ion: 96 Resp: 91858
 Ion Ratio Lower Upper
 96 100
 61 129.2 99.3 184.5
 98 63.0 42.9 79.7



Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 23.416 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

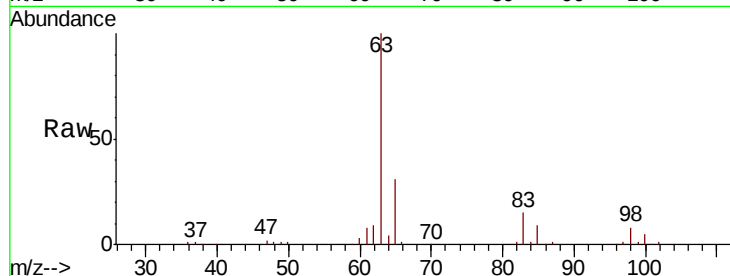
Tot Ion: 63 Resp: 164831

Ion Ratio Lower Upper

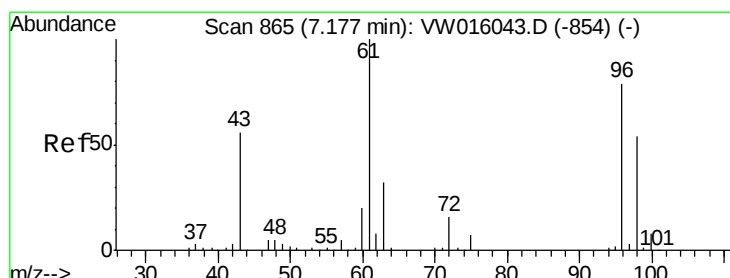
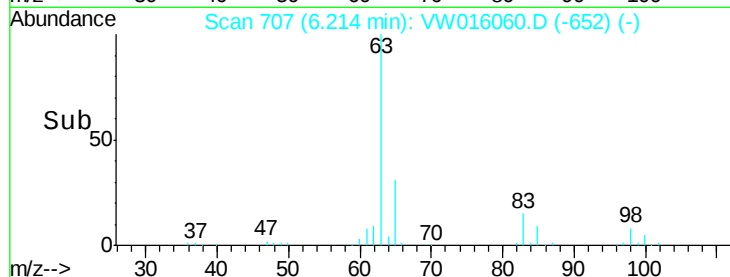
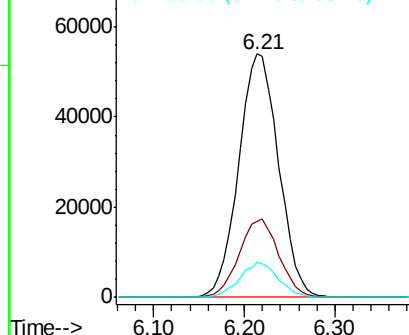
63 100

65 31.4 22.2 41.2

83 14.6 9.8 18.2



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



#21

2-Butanone

Concen: 48.624 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016060.D

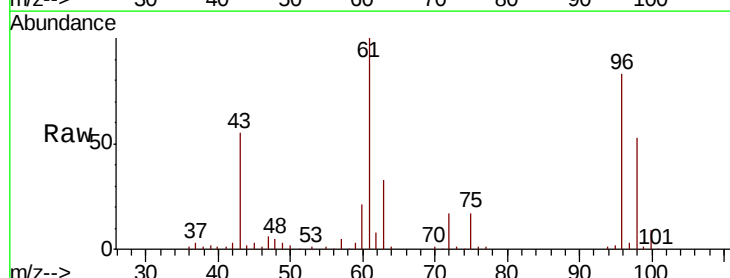
Acq: 06 Aug 2020 21:50

Tgt Ion: 43 Resp: 52667

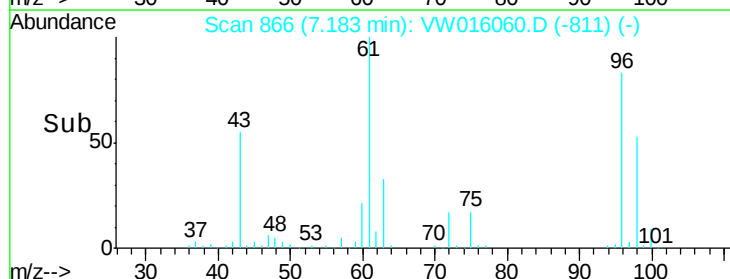
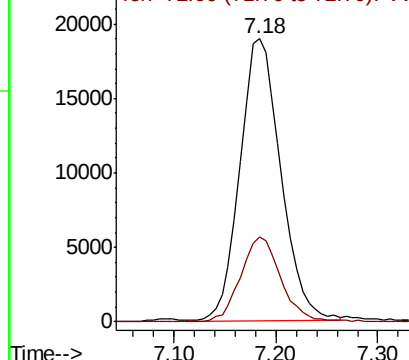
Ion Ratio Lower Upper

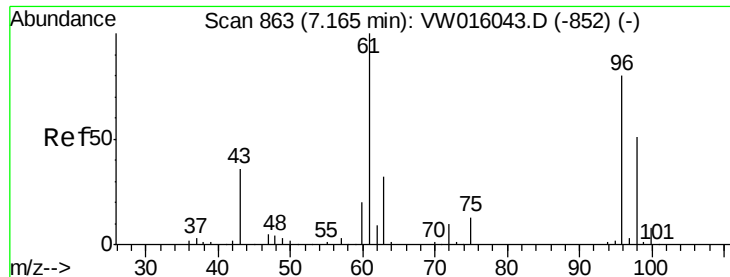
43 100

72 29.5 13.9 41.7



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



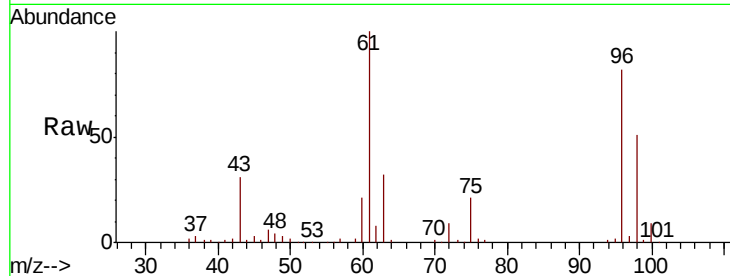


#22

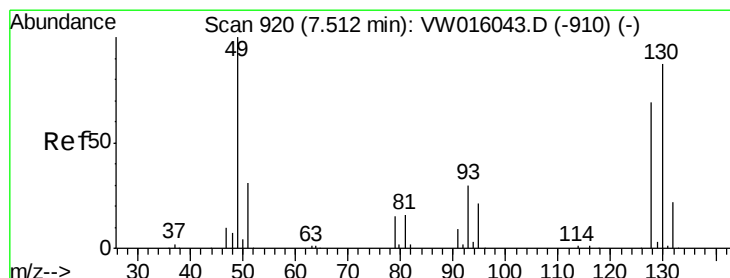
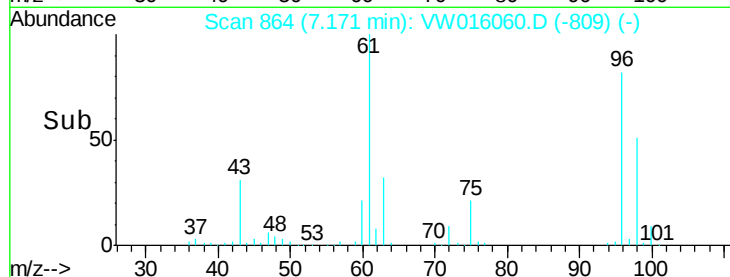
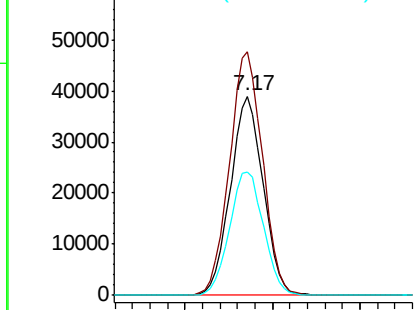
cis-1,2-Dichloroethene
 Concen: 25.385 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW016060.D
 Acq: 06 Aug 2020 21:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Tot Ion: 96 Resp: 101452
 Ion Ratio Lower Upper
 96 100
 61 122.4 94.6 175.8
 98 61.8 44.3 82.3



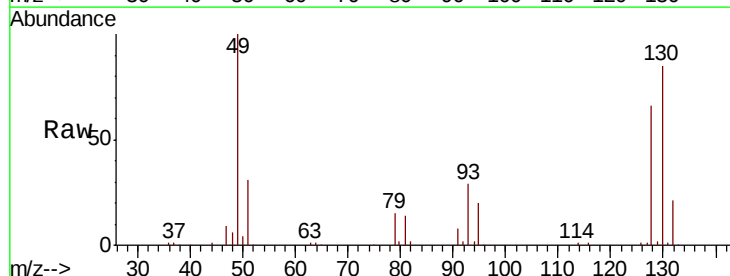
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



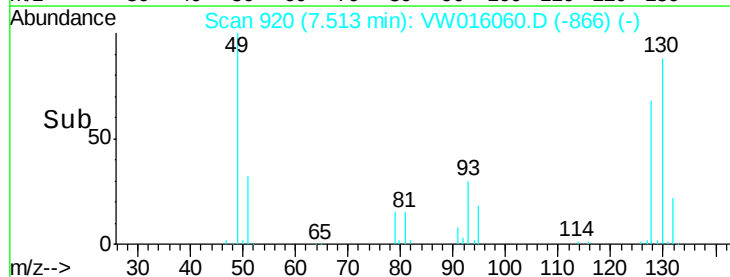
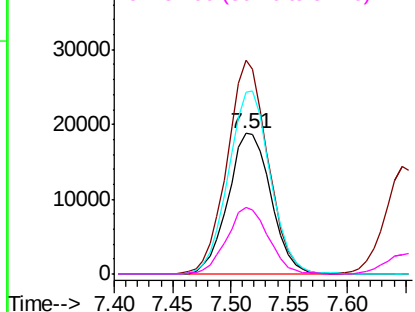
#23

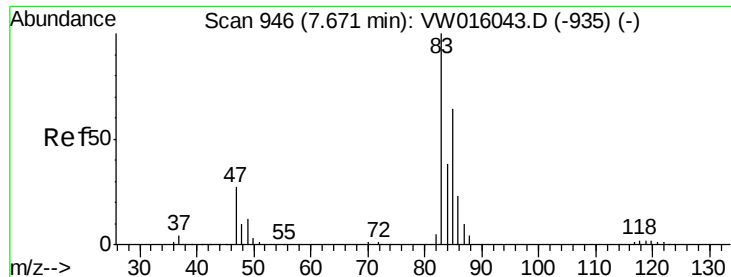
Bromochloromethane
 Concen: 27.420 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW016060.D
 Acq: 06 Aug 2020 21:50

Tgt Ion: 128 Resp: 48052
 Ion Ratio Lower Upper
 128 100
 49 152.2 122.4 227.2
 130 129.9 93.9 174.5
 51 47.5 43.2 64.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

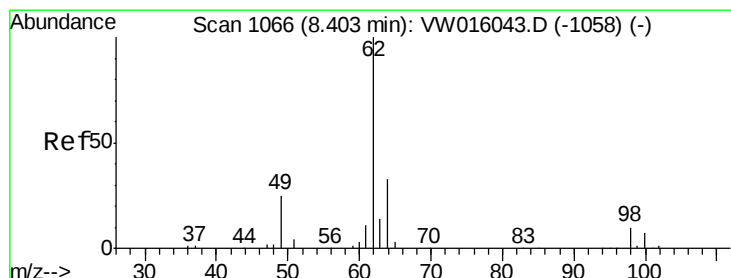
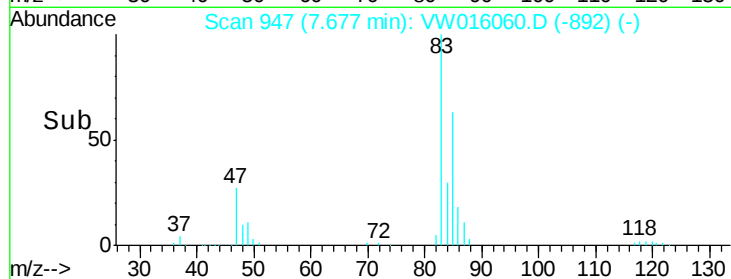
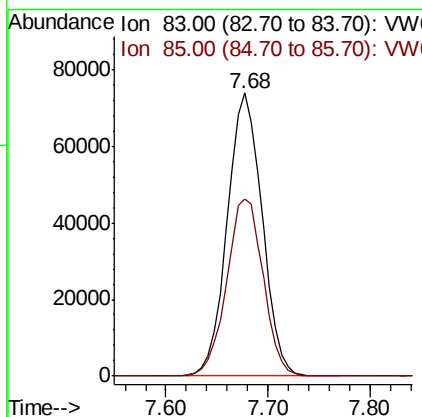
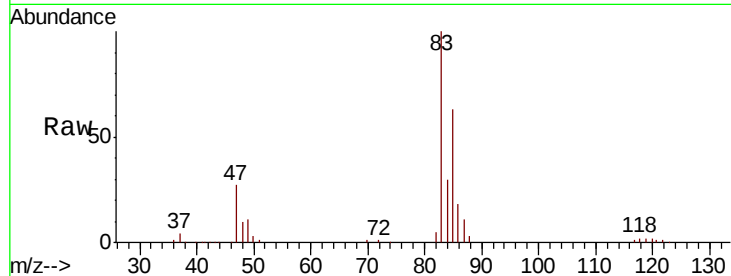




#25
Chloroform
Concen: 25.050 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW016060.D
Acq: 06 Aug 2020 21:50

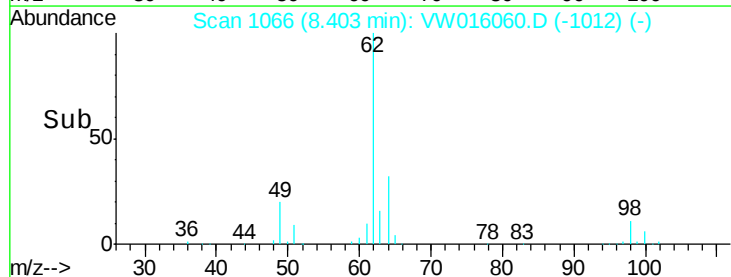
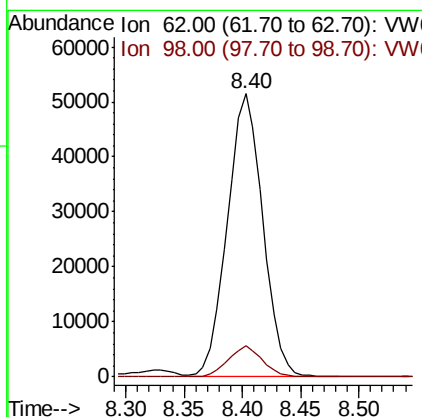
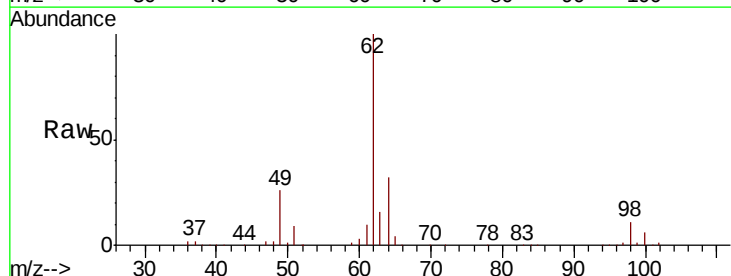
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

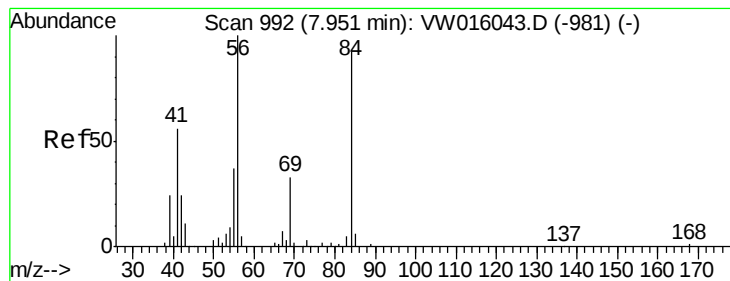
Tot Ion: 83 Resp: 174758
Ion Ratio Lower Upper
83 100
85 65.9 46.5 86.5



#27
1,2-Dichloroethane
Concen: 22.942 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016060.D
Acq: 06 Aug 2020 21:50

Tgt Ion: 62 Resp: 108907
Ion Ratio Lower Upper
62 100
98 11.1 7.0 10.6#





#30

Cyclohexane

Concen: 20.835 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

Instrument :

MSVOA_W

ClientSampled :

VSTD02526

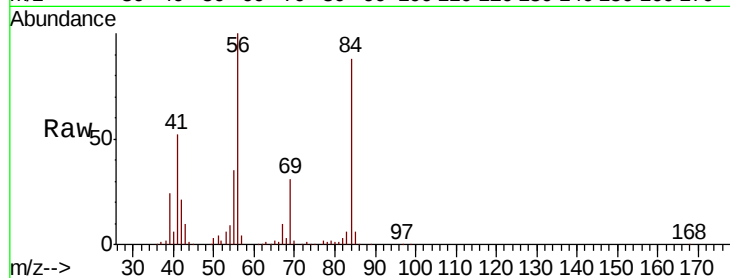
Tot Ion: 56 Resp: 138017

Ion Ratio Lower Upper

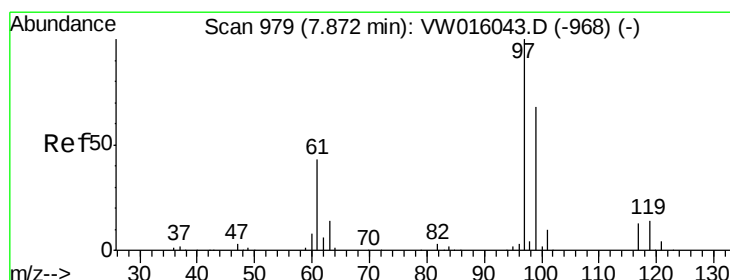
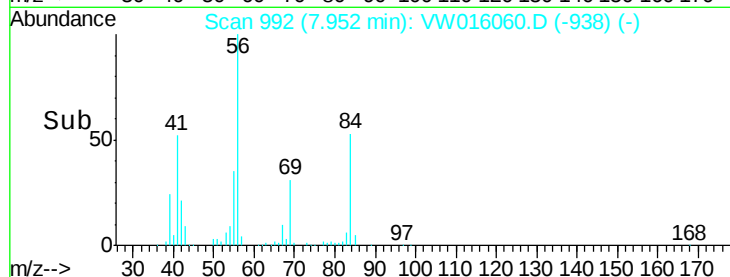
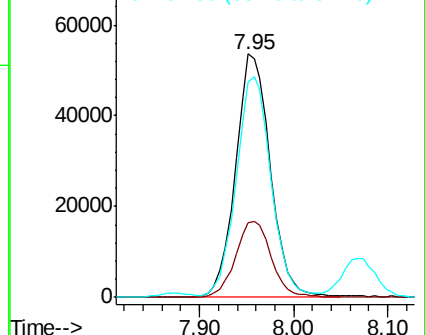
56 100

69 32.0 24.4 36.6

84 91.5 69.3 103.9



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



#31

1,1,1-Trichloroethane

Concen: 23.584 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

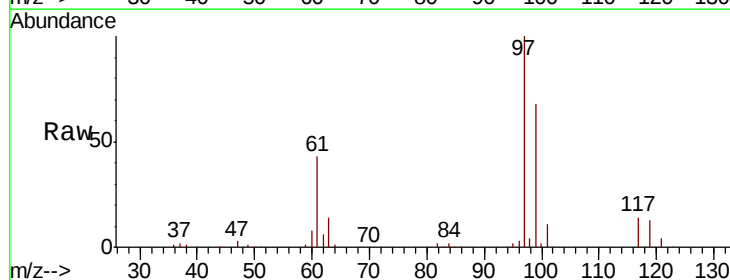
Tgt Ion: 97 Resp: 144673

Ion Ratio Lower Upper

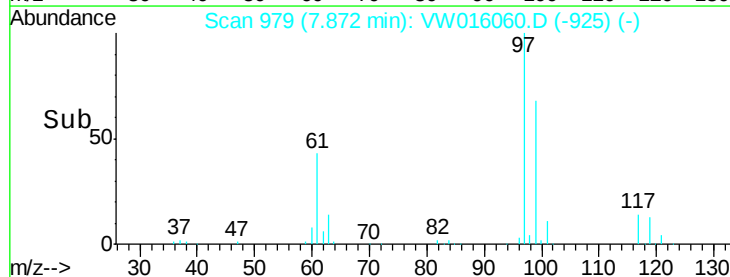
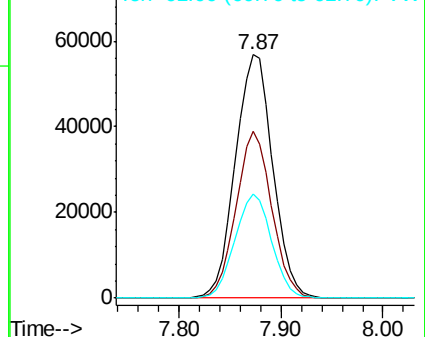
97 100

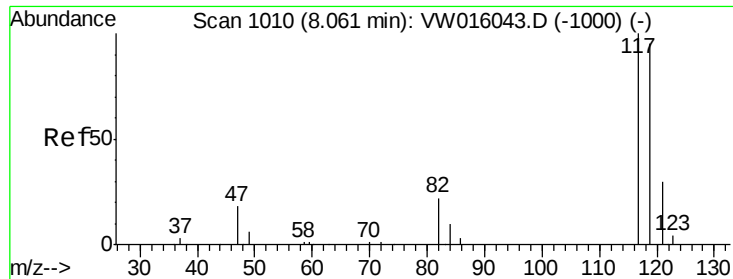
99 65.5 51.9 77.9

61 42.0 37.6 56.4



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 24.494 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

Instrument :

MSVOA_W

ClientSampleId :

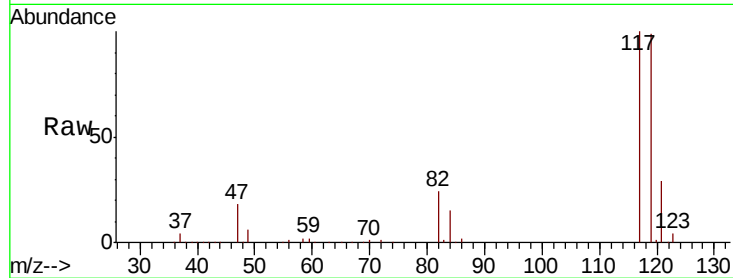
VSTD02526

Tot Ion:117 Resp: 136255

Ion Ratio Lower Upper

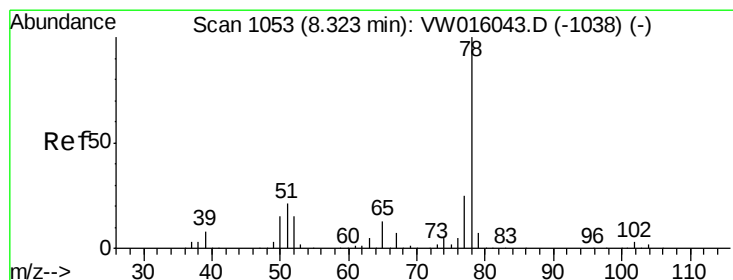
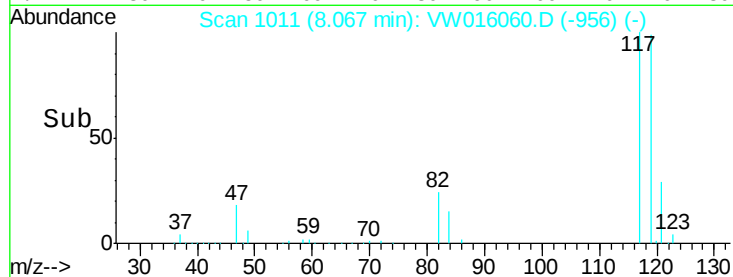
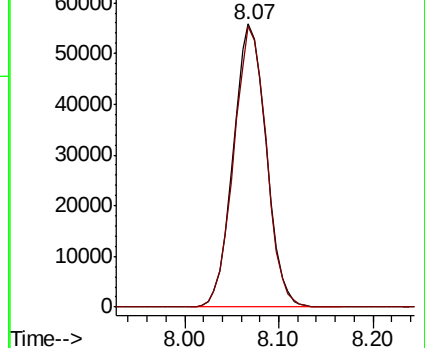
117 100

119 98.0 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.788 ug/L

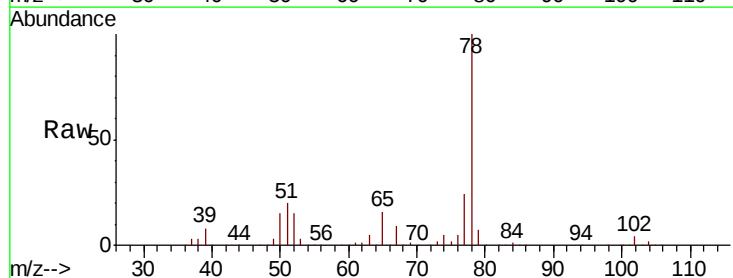
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

Tgt Ion: 78 Resp: 379570



Abundance Ion 78.00 (77.70 to 78.70): VW

200000

150000

100000

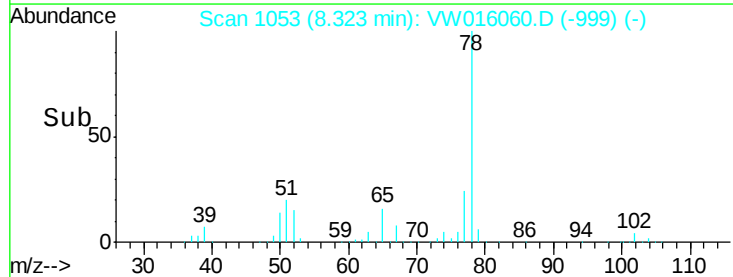
50000

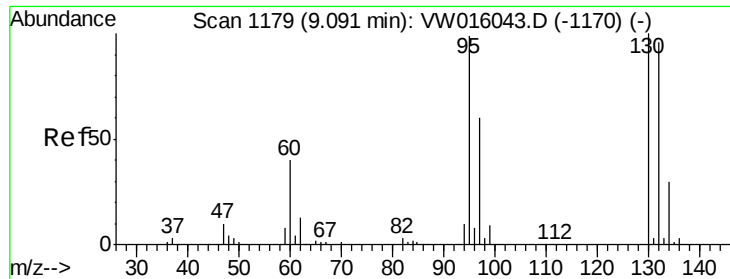
0

8.32

Time-->

8.20 8.30 8.40 8.50





#35

Trichloroethene

Concen: 23.925 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tot Ion: 95 Resp: 100989

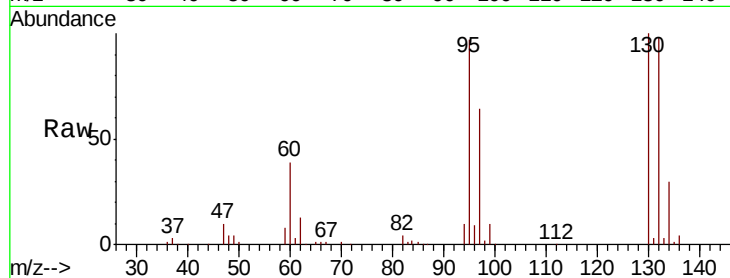
Ion Ratio Lower Upper

95 100

97 64.4 44.4 82.4

132 99.6 65.1 120.9

130 104.9 68.6 127.4

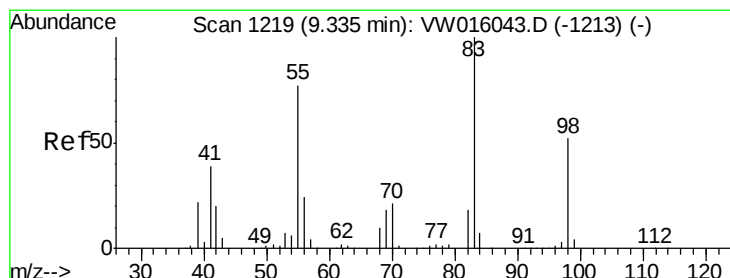
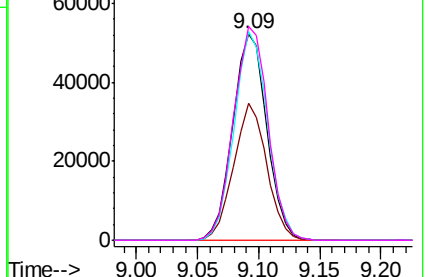
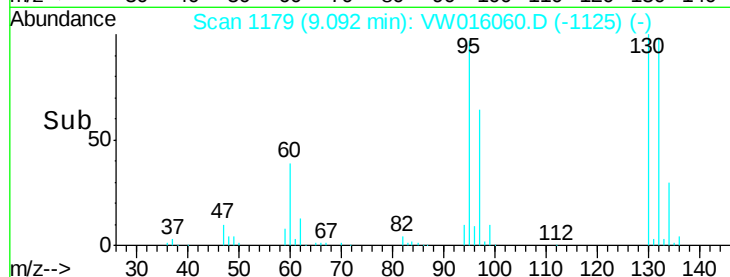


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#36

Methylcyclohexane

Concen: 22.658 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

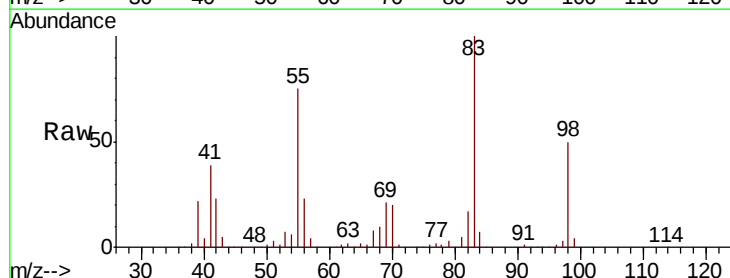
Tgt Ion: 83 Resp: 164110

Ion Ratio Lower Upper

83 100

55 75.0 63.5 95.3

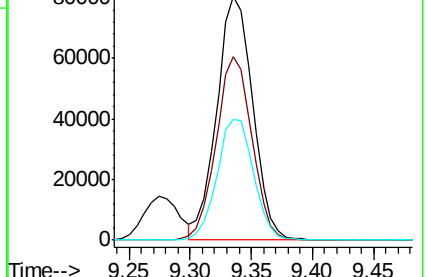
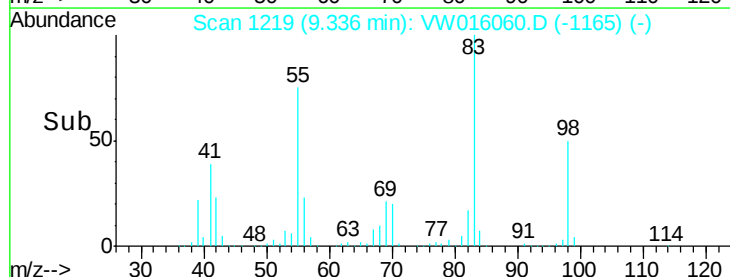
98 50.5 39.0 58.4

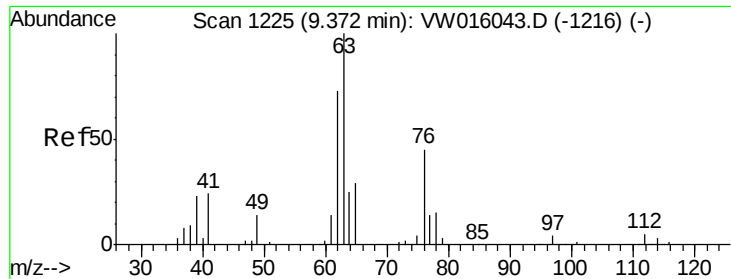


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

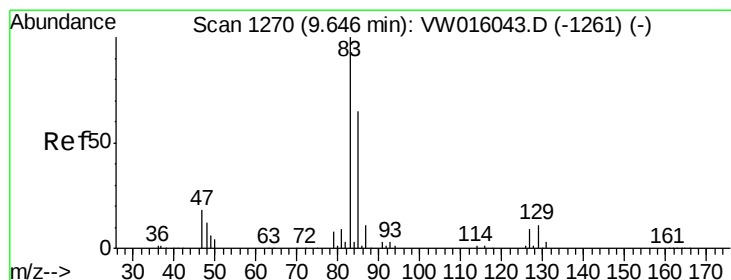
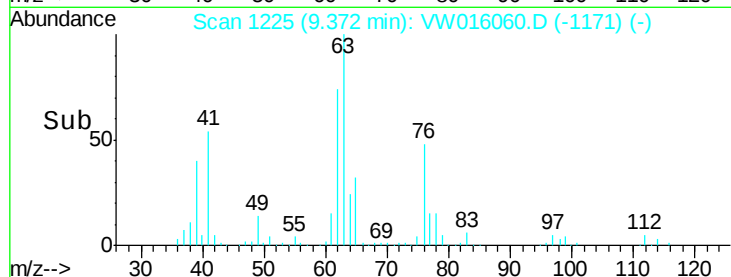
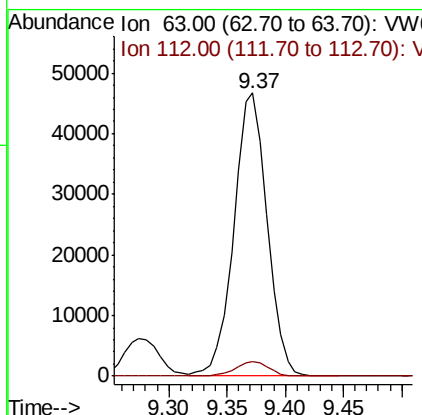
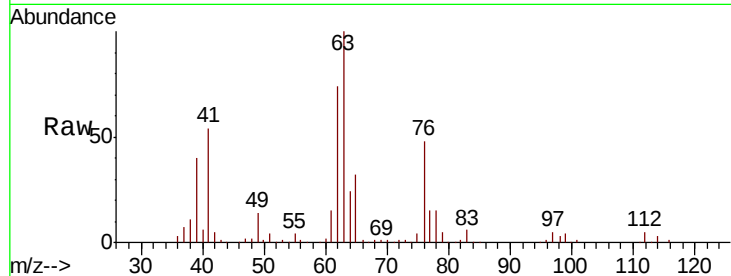




#40
 1,2-Dichloropropane
 Concen: 23.554 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016060.D
 Acq: 06 Aug 2020 21:50

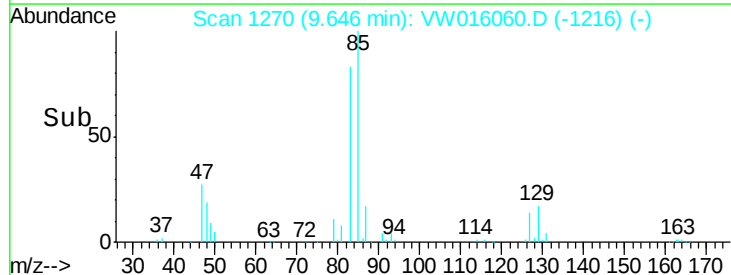
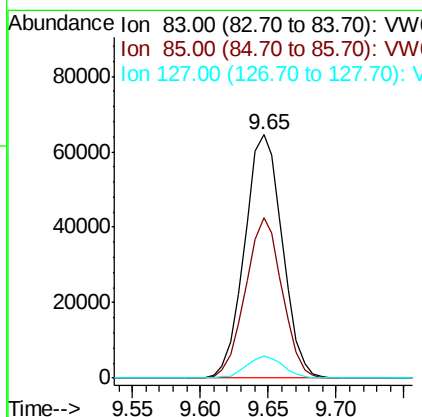
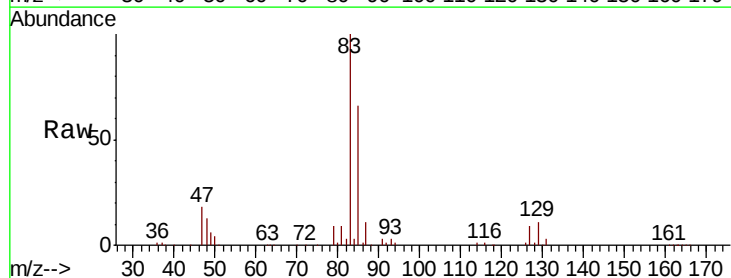
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

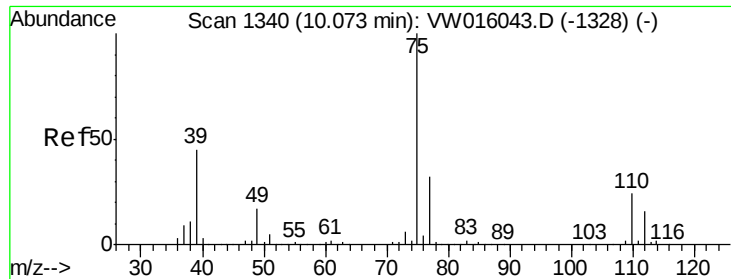
Tot Ion: 63 Resp: 93108
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.7 5.5



#41
 Bromodichloromethane
 Concen: 24.548 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016060.D
 Acq: 06 Aug 2020 21:50

Tgt Ion: 83 Resp: 125318
 Ion Ratio Lower Upper
 83 100
 85 66.0 43.7 81.1
 127 9.2 6.5 9.7

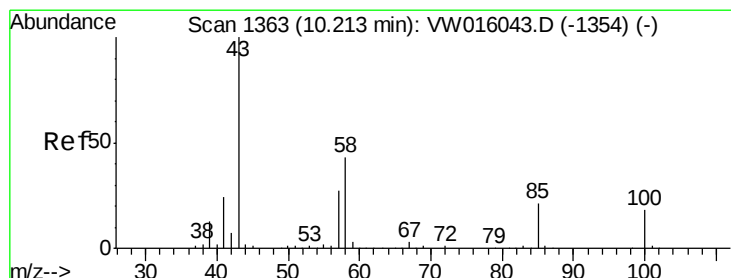
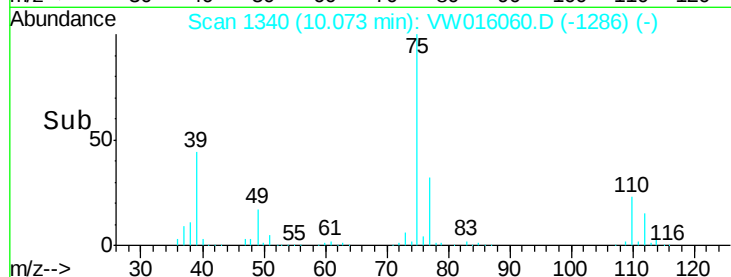
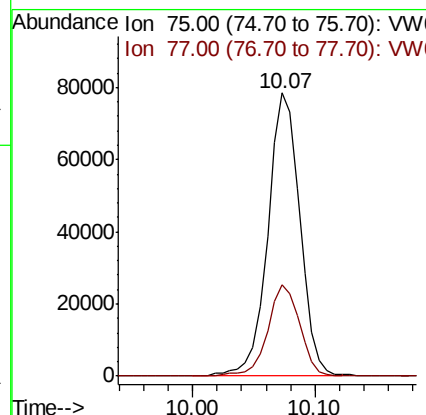
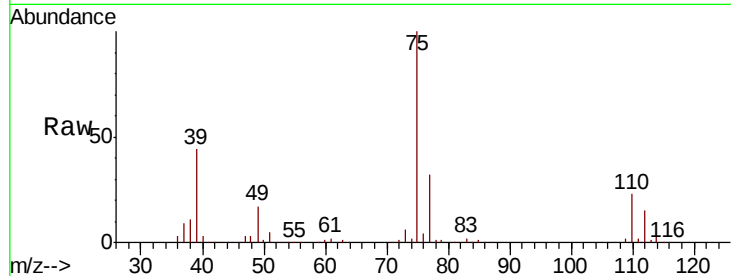




#42
 cis-1,3-Dichloropropene
 Concen: 23.775 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016060.D
 Acq: 06 Aug 2020 21:50

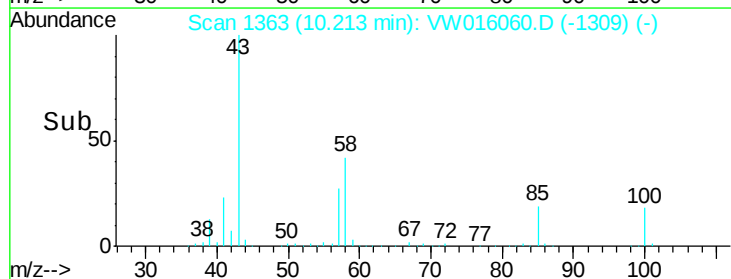
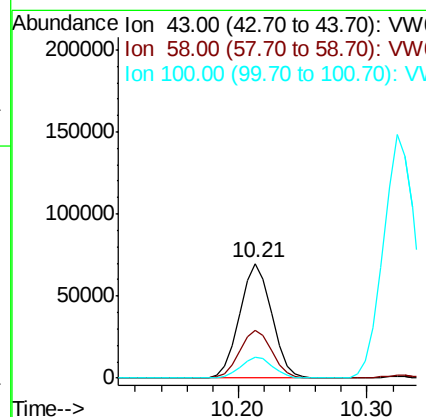
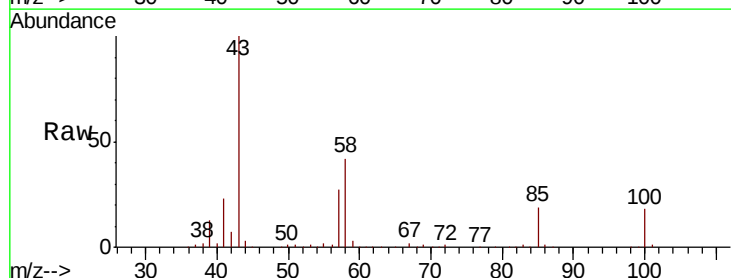
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02526

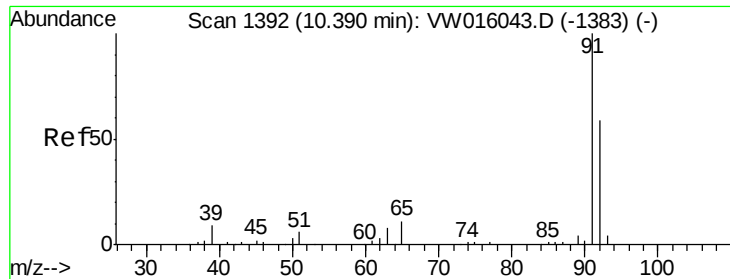
Tot Ion: 75 Resp: 143135
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 52.458 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016060.D
 Acq: 06 Aug 2020 21:50

Tgt Ion: 43 Resp: 121034
 Ion Ratio Lower Upper
 43 100
 58 42.2 31.0 46.4
 100 18.1 12.6 19.0





#44

Toluene

Concen: 24.943 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

Instrument :

MSVOA_W

ClientSampleId :

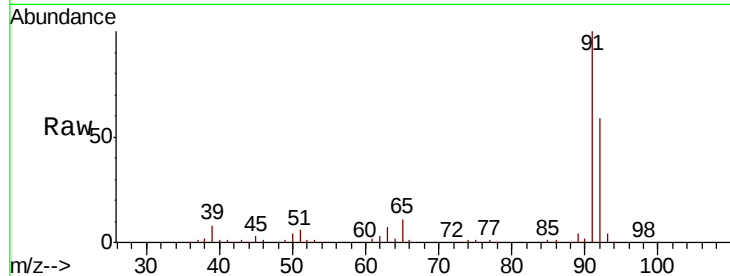
VSTD02526

Tot Ion: 91 Resp: 417440

Ion Ratio Lower Upper

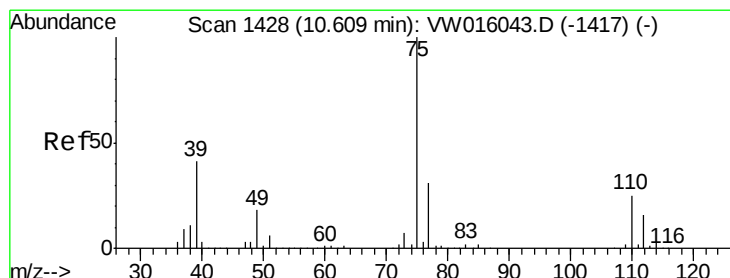
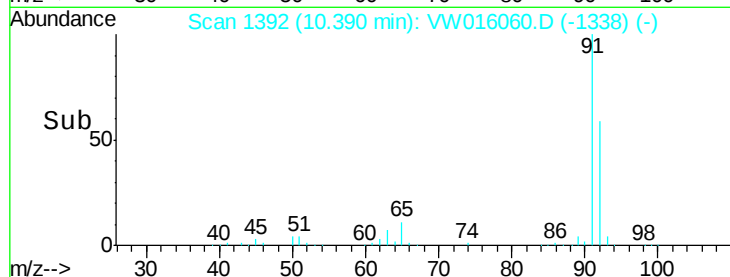
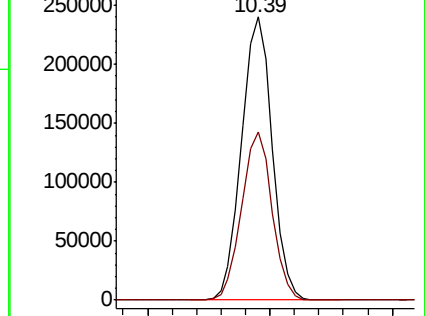
91 100

92 59.4 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 24.486 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016060.D

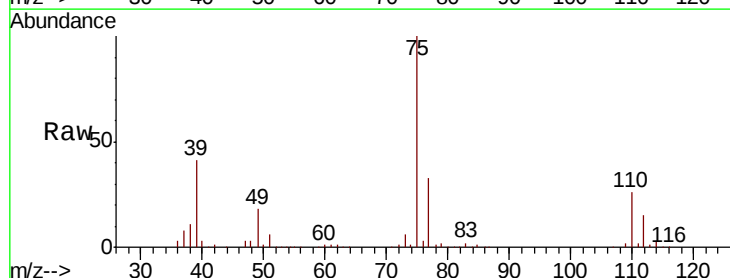
Acq: 06 Aug 2020 21:50

Tgt Ion: 75 Resp: 127777

Ion Ratio Lower Upper

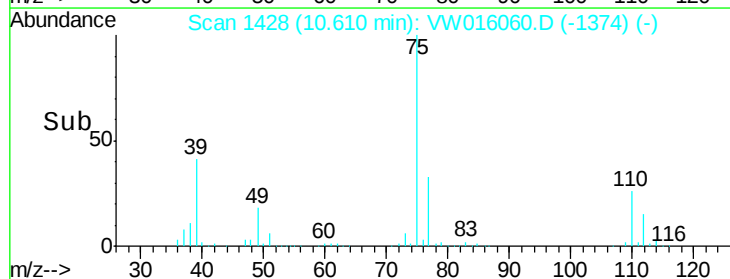
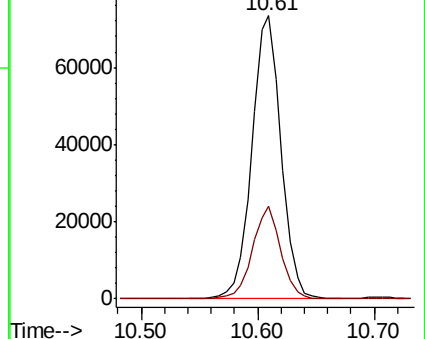
75 100

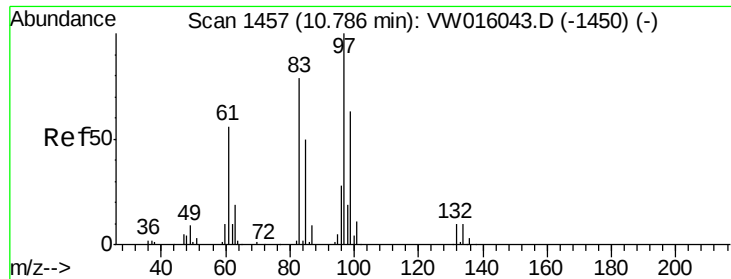
77 32.6 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

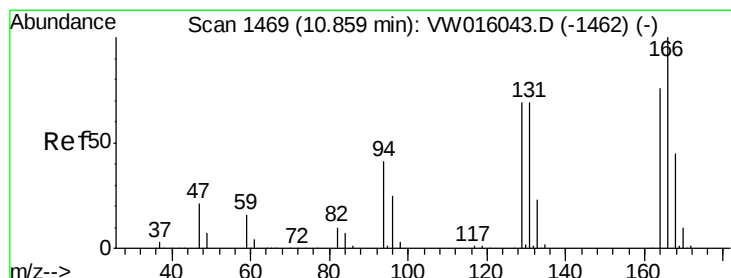
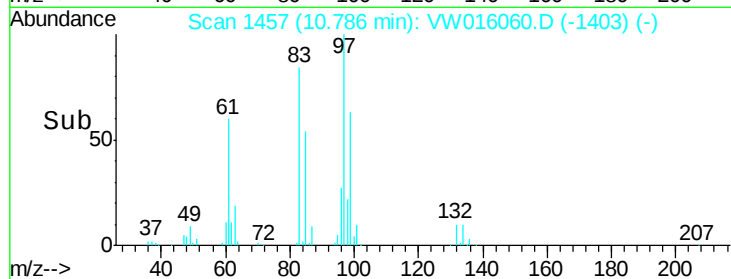
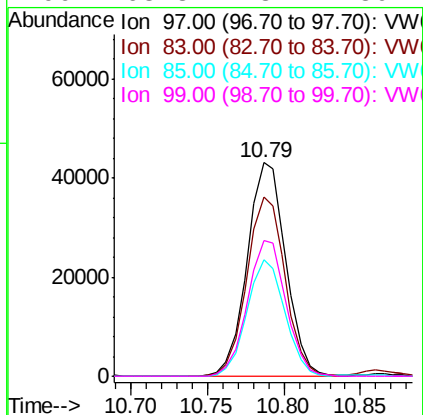
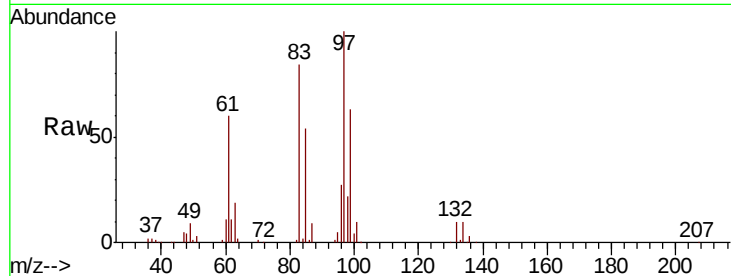




#46
1,1,2-Trichloroethane
Concen: 26.558 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW016060.D
Acq: 06 Aug 2020 21:50

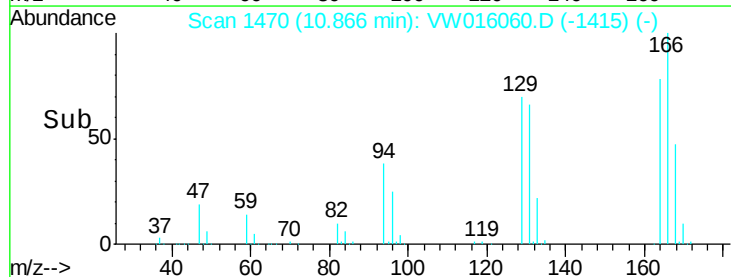
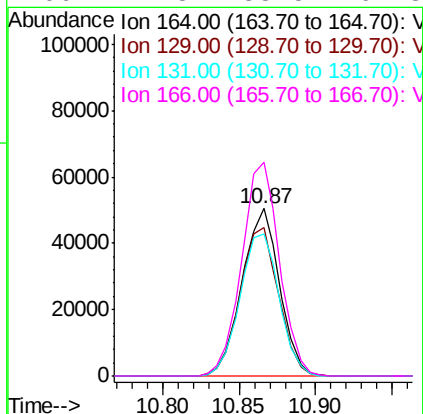
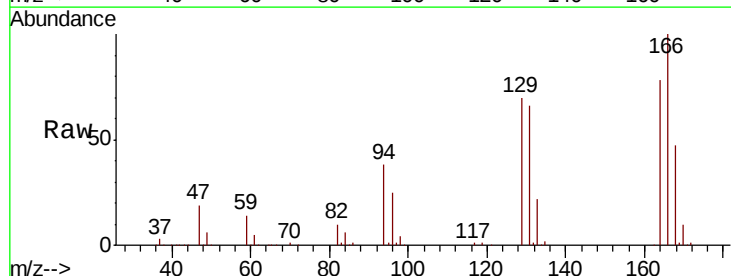
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

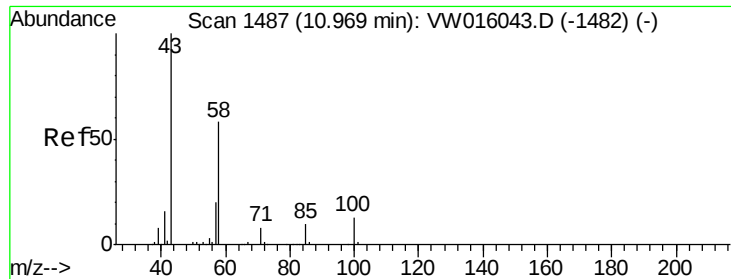
Tot Ion:	97	Resp:	75492
Ion	Ratio	Lower	Upper
97	100		
83	83.9	60.6	112.6
85	54.5	38.9	72.2
99	63.3	43.1	80.1



#47
Tetrachloroethene
Concen: 26.235 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW016060.D
Acq: 06 Aug 2020 21:50

Tgt Ion:	164	Resp:	85955
Ion	Ratio	Lower	Upper
164	100		
129	89.2	70.0	130.0
131	85.0	67.3	124.9
166	127.8	88.5	164.3

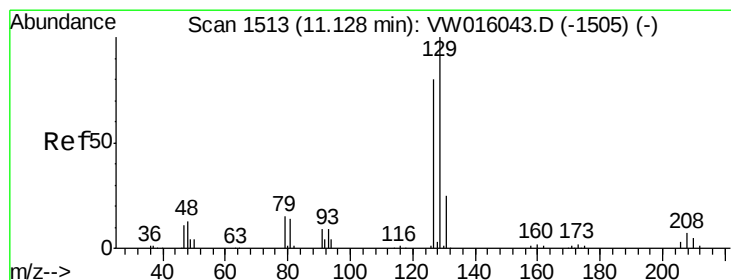
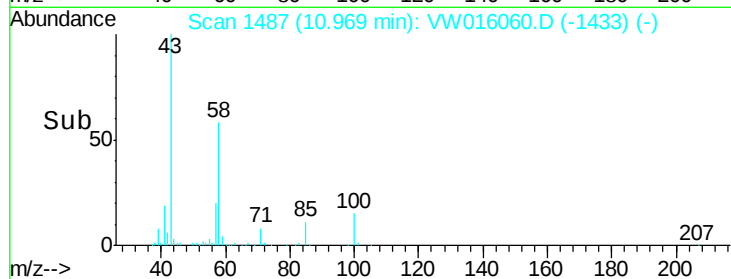
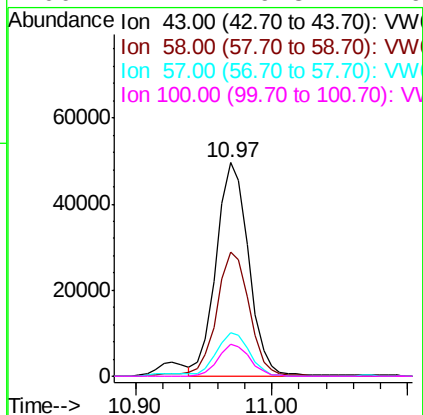
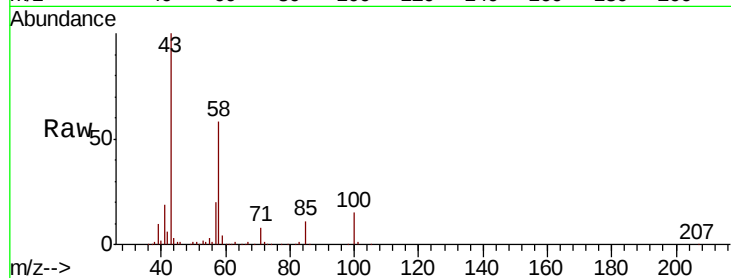




#49
2-Hexanone
Concen: 50.517 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016060.D
Acq: 06 Aug 2020 21:50

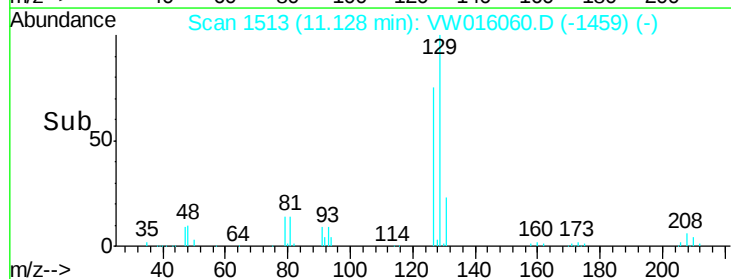
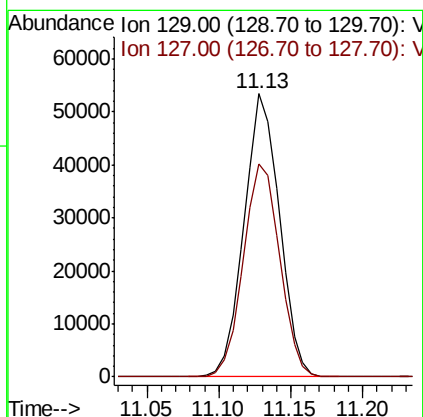
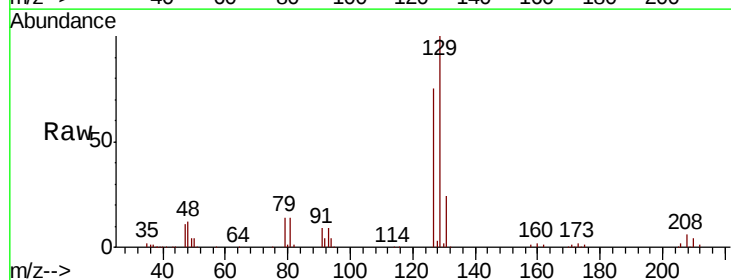
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

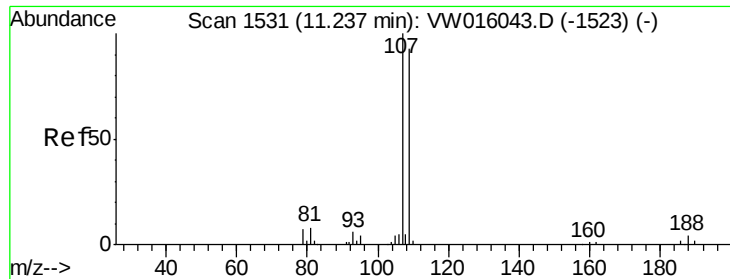
Tot Ion: 43 Resp: 82713
Ion Ratio Lower Upper
43 100
58 59.1 42.4 63.6
57 20.3 15.6 23.4
100 14.7 9.8 14.6#



#50
Dibromochloromethane
Concen: 27.633 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016060.D
Acq: 06 Aug 2020 21:50

Tgt Ion: 129 Resp: 90940
Ion Ratio Lower Upper
129 100
127 75.3 53.8 100.0

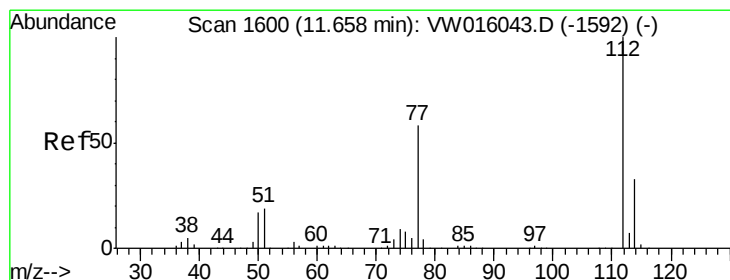
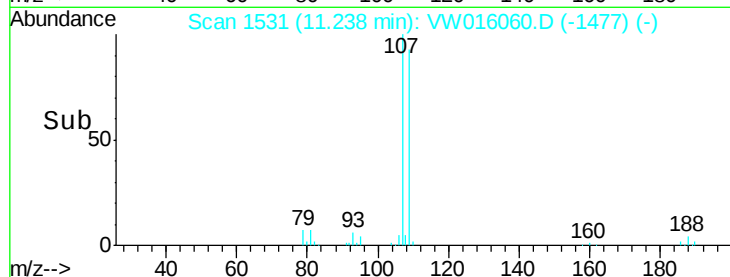
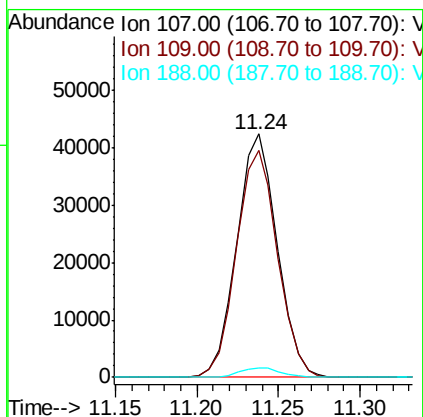
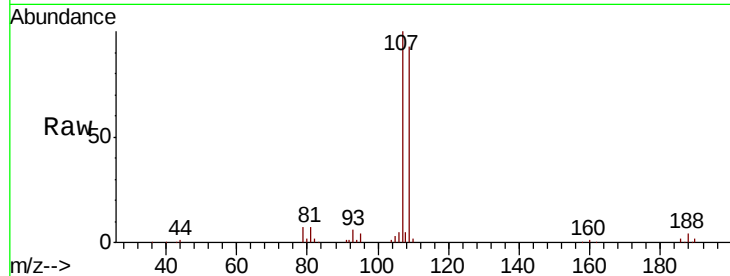




#51
1,2-Dibromoethane
Concen: 26.854 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016060.D
Acq: 06 Aug 2020 21:50

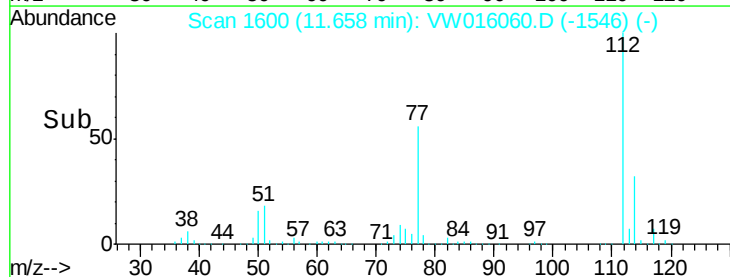
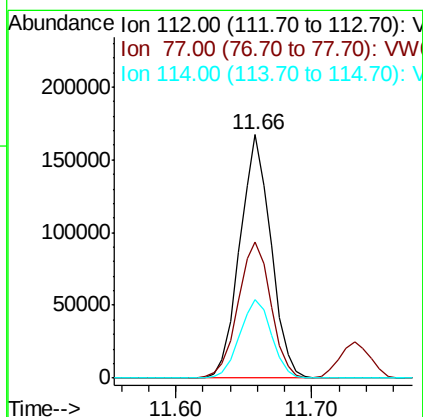
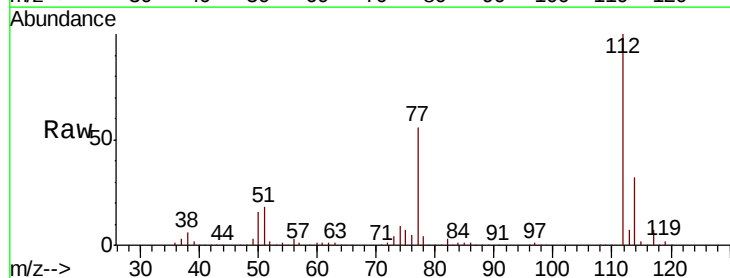
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

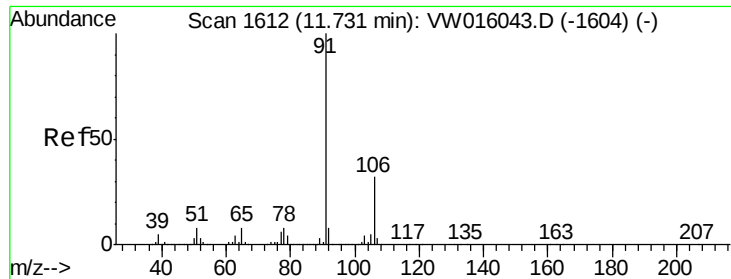
Tot Ion:107 Resp: 73024
Ion Ratio Lower Upper
107 100
109 93.4 66.9 124.3
188 3.9 3.2 4.8



#52
Chlorobenzene
Concen: 24.845 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016060.D
Acq: 06 Aug 2020 21:50

Tgt Ion:112 Resp: 266434
Ion Ratio Lower Upper
112 100
77 56.0 47.8 71.6
114 32.1 22.1 41.1





#53

Ethylbenzene

Concen: 24.813 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

Instrument :

MSVOA_W

ClientSampleId :

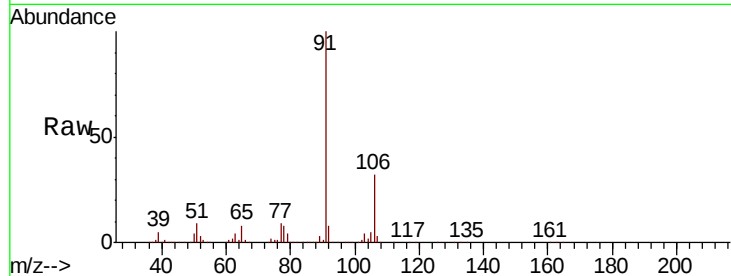
VSTD02526

Tot Ion: 91 Resp: 466944

Ion Ratio Lower Upper

91 100

106 31.7 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

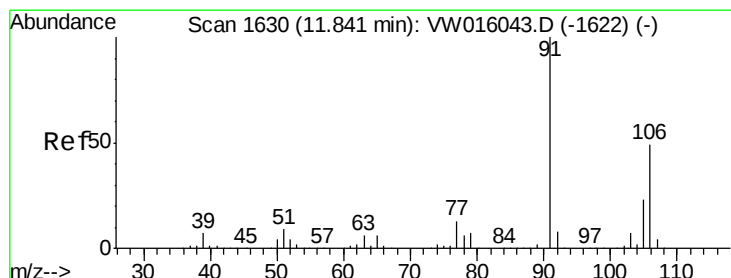
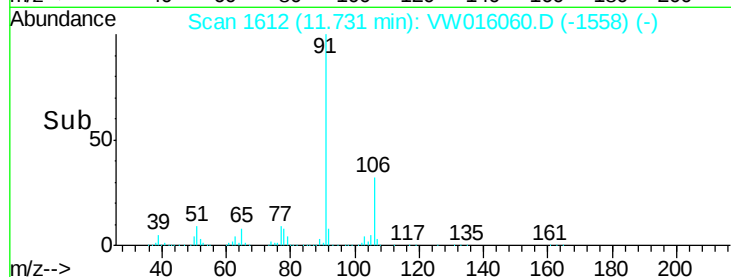
300000

200000

100000

0

Time--> 11.65 11.70 11.75 11.80



#54

m,p-Xylene

Concen: 25.429 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016060.D

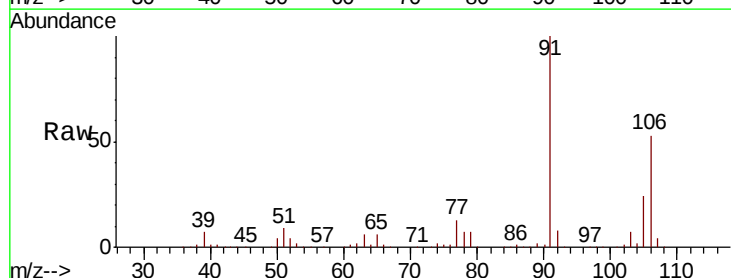
Acq: 06 Aug 2020 21:50

Tgt Ion: 106 Resp: 179039

Ion Ratio Lower Upper

106 100

91 189.6 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

300000

250000

200000

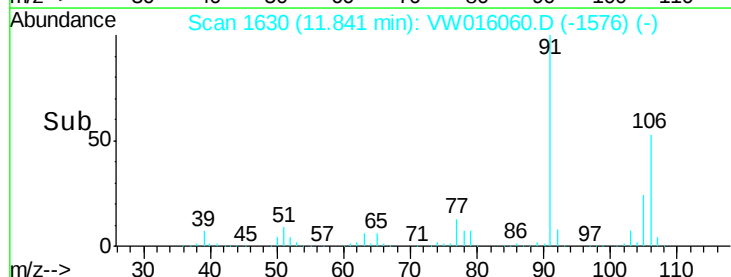
150000

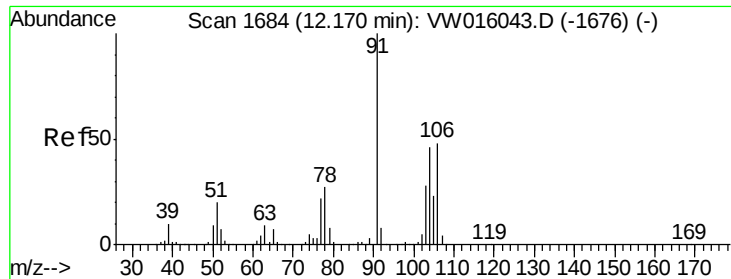
100000

50000

0

Time--> 11.80 11.90

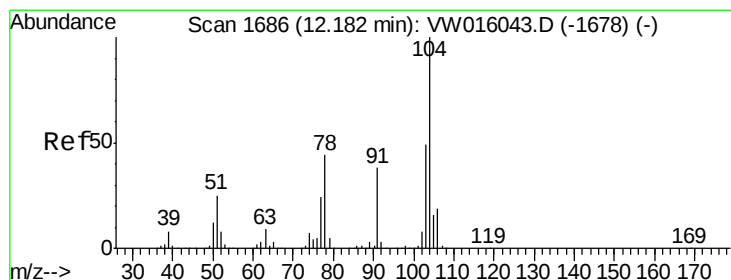
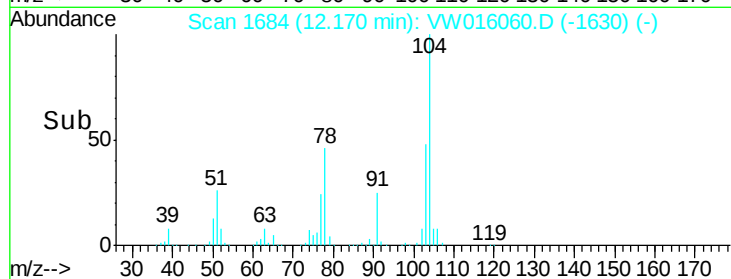
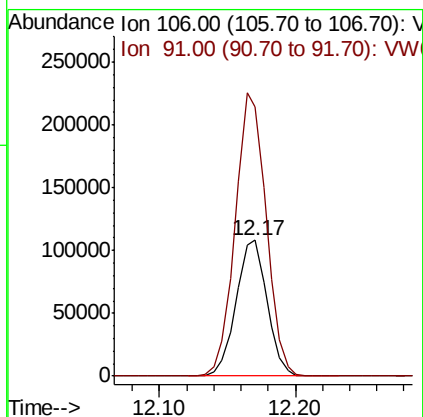
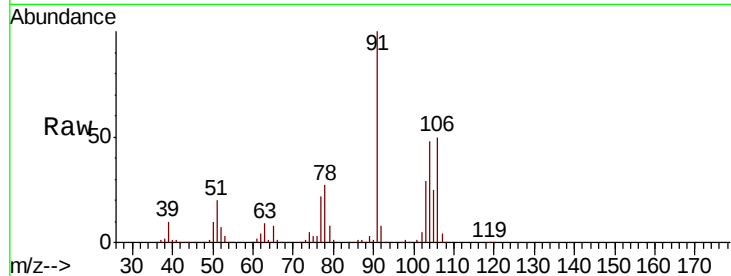




#55
o-xylene
Concen: 25.904 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016060.D
Acq: 06 Aug 2020 21:50

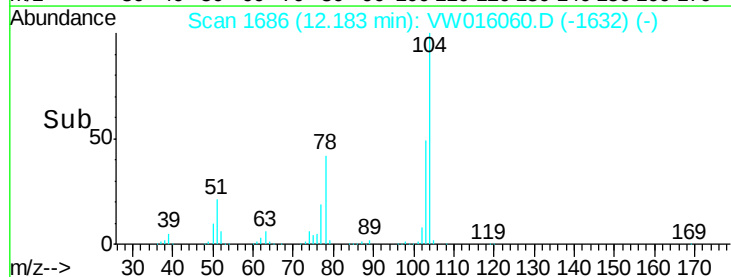
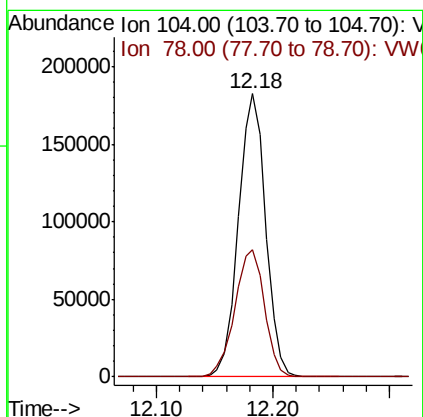
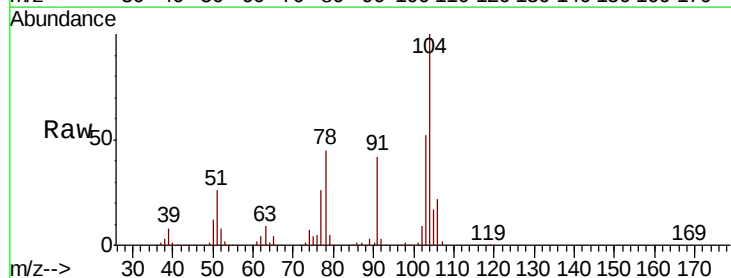
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

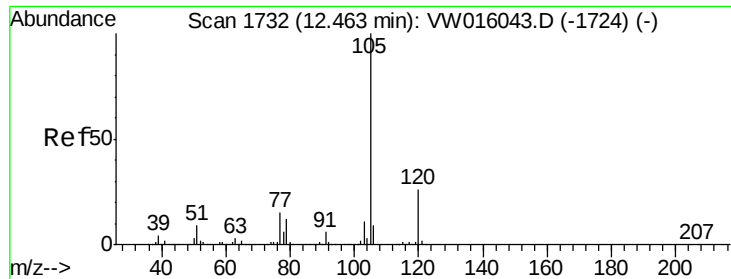
Tot Ion:106 Resp: 171733
Ion Ratio Lower Upper
106 100
91 198.3 146.8 272.6



#56
Styrene
Concen: 26.407 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016060.D
Acq: 06 Aug 2020 21:50

Tgt Ion:104 Resp: 297725
Ion Ratio Lower Upper
104 100
78 45.1 32.0 59.4





#57

Isopropylbenzene

Concen: 25.673 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

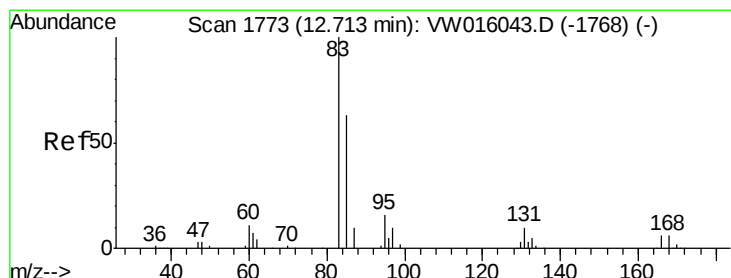
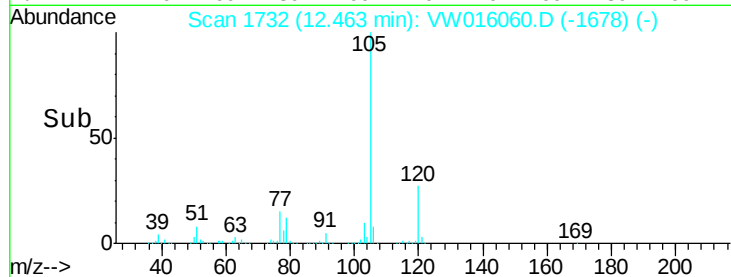
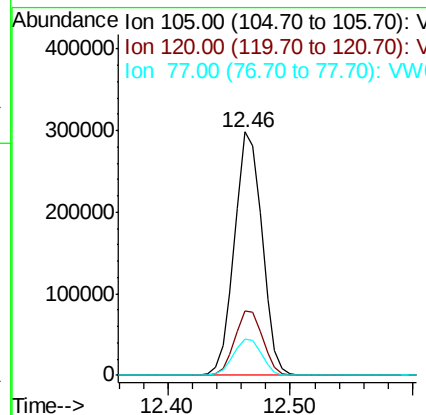
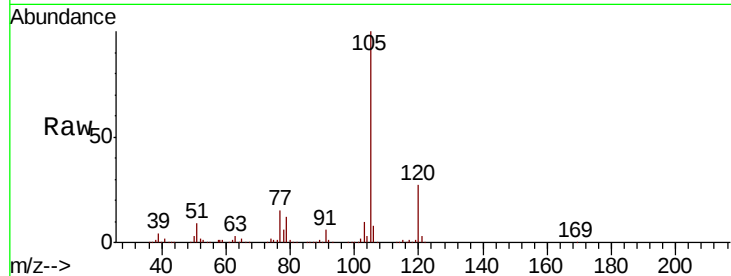
Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tot Ion:	105	Resp:	463327
Ion	Ratio	Lower	Upper
105	100		
120	26.9	20.4	30.6
77	15.3	12.9	19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 27.512 ug/L

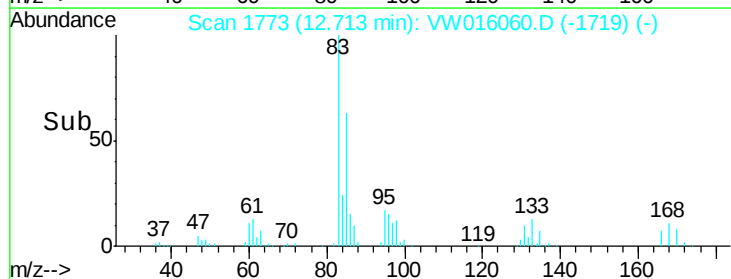
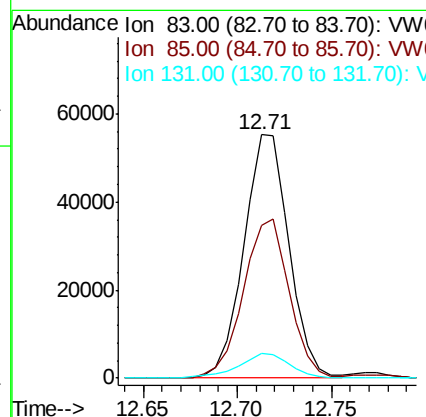
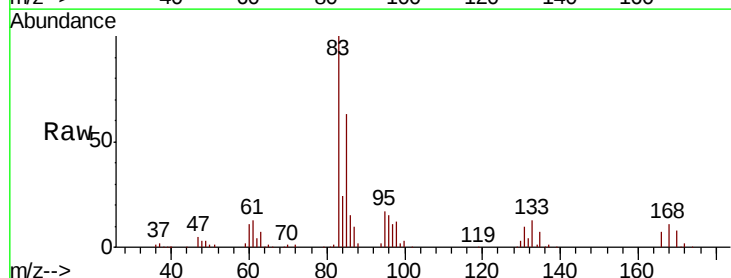
RT: 12.71 min Scan# 1773

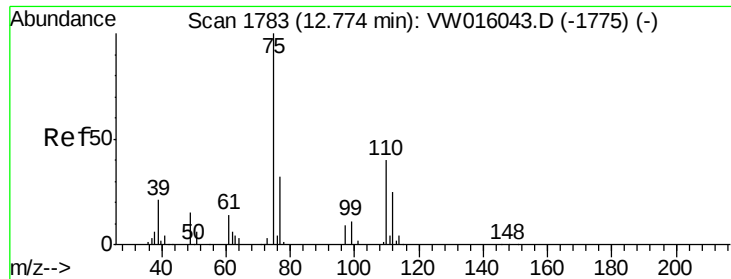
Delta R.T. 0.00 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

Tgt Ion:	83	Resp:	91832
Ion	Ratio	Lower	Upper
83	100		
85	62.7	45.1	83.7
131	10.4	8.2	12.4





#59

1,2,3-Trichloropropane

Concen: 27.669 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

Instrument :

MSVOA_W

ClientSampleId :

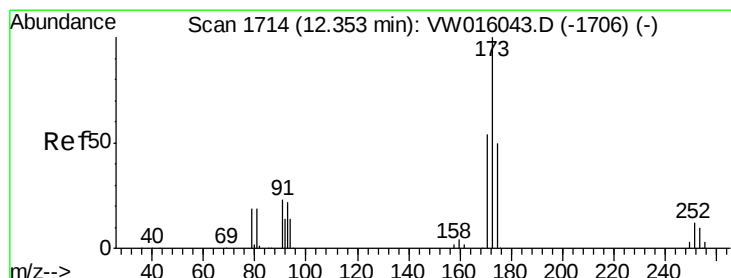
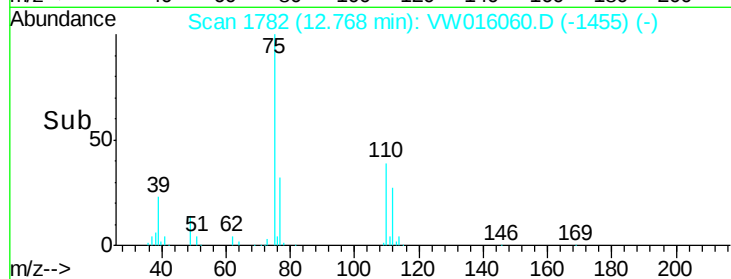
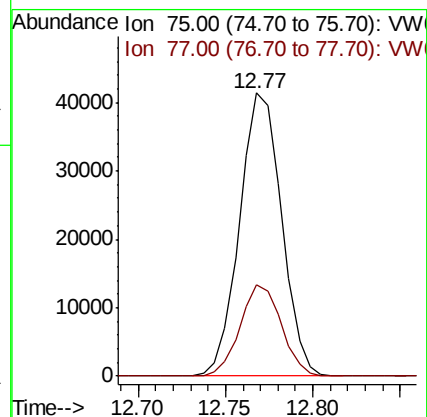
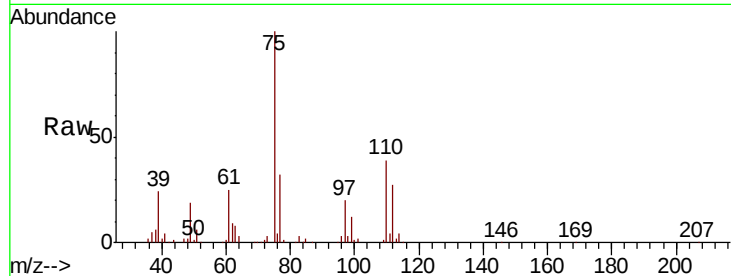
VSTD02526

Tot Ion: 75 Resp: 69199

Ion Ratio Lower Upper

75 100

77 31.8 26.0 39.0



#62

Bromoform

Concen: 28.890 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

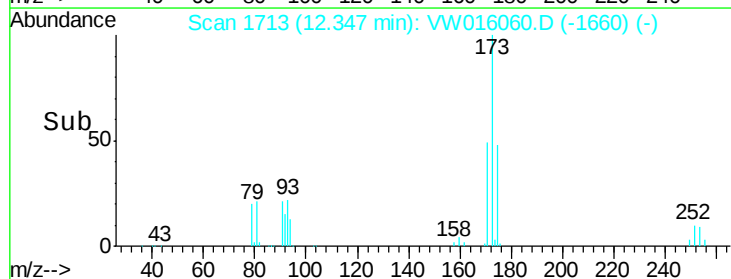
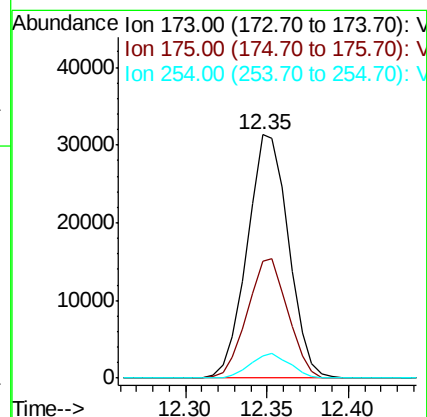
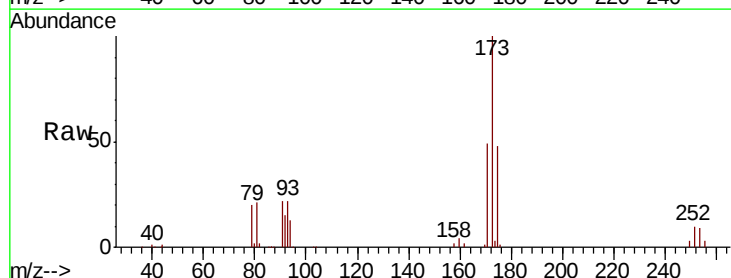
Tgt Ion: 173 Resp: 55349

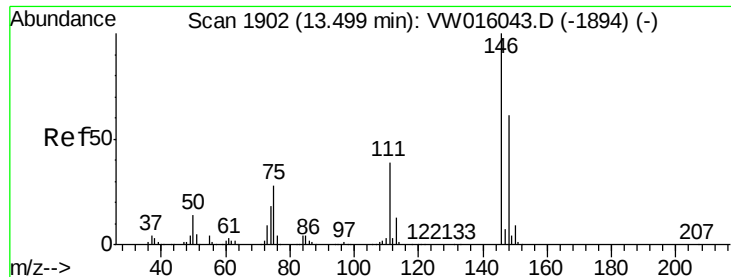
Ion Ratio Lower Upper

173 100

175 48.1 38.7 58.1

254 9.9 7.9 11.9

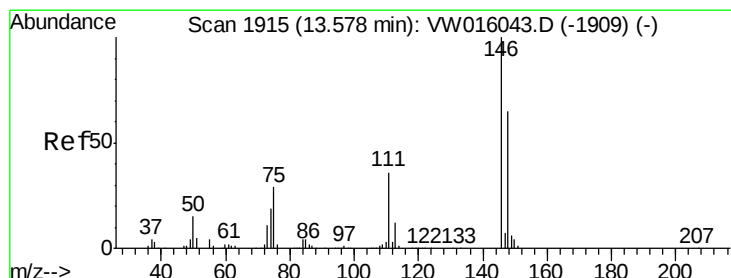
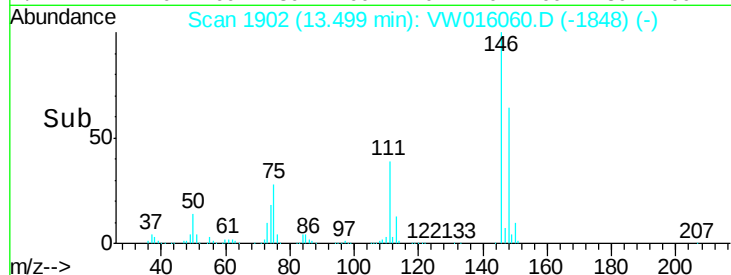
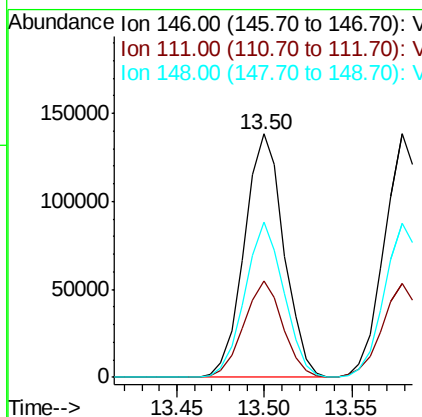
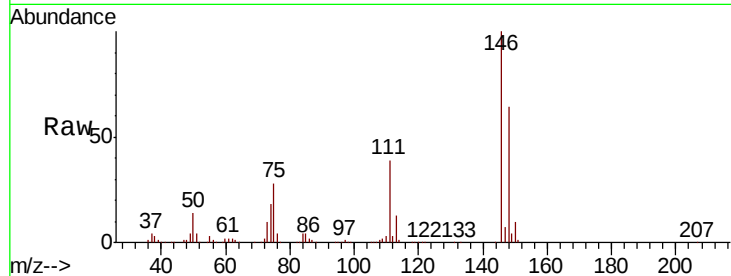




#63
 1,3-Dichlorobenzene
 Concen: 26.065 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016060.D
 Acq: 06 Aug 2020 21:50

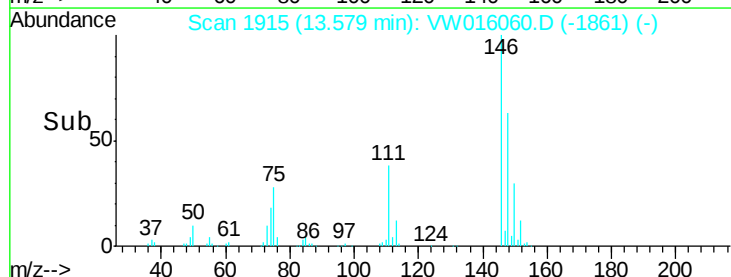
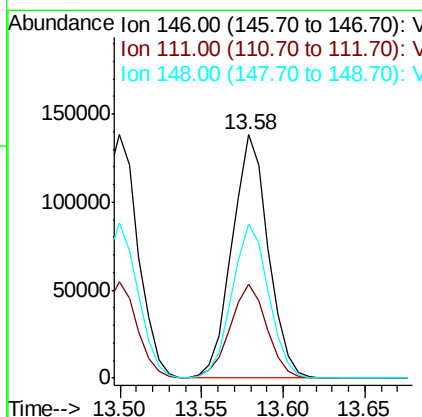
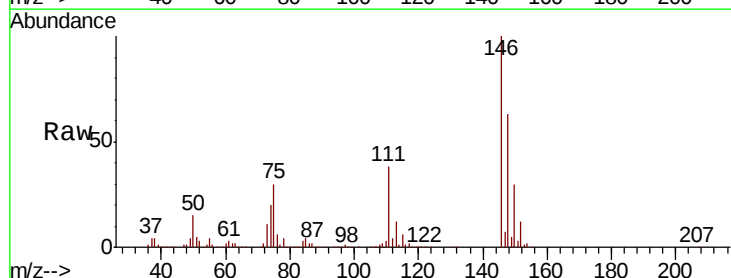
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

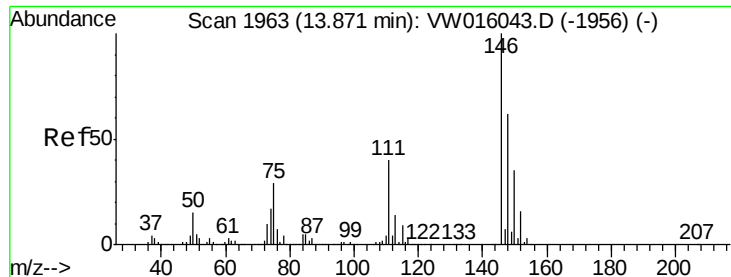
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.9	51.7
148	64.0	43.2	80.2



#64
 1,4-Dichlorobenzene
 Concen: 25.179 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016060.D
 Acq: 06 Aug 2020 21:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	29.3	54.3
148	63.2	44.5	82.7

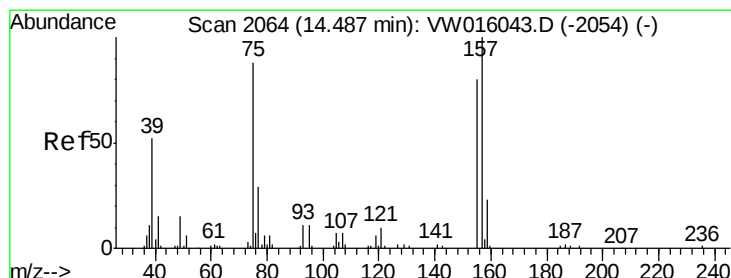
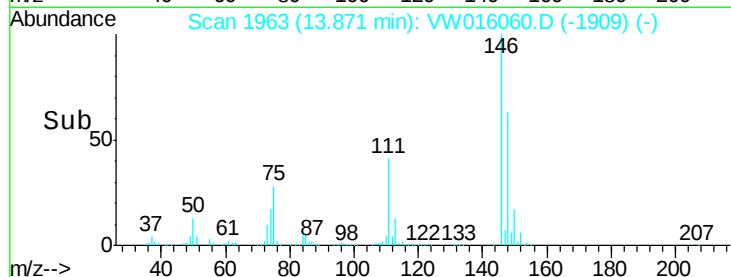
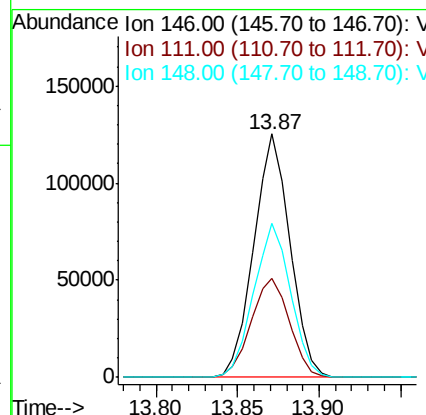
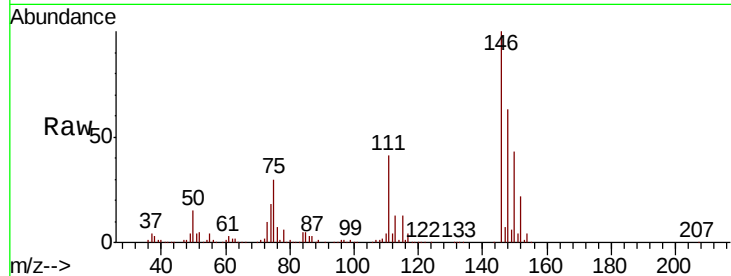




#65
 1,2-Dichlorobenzene
 Concen: 25.661 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016060.D
 Acq: 06 Aug 2020 21:50

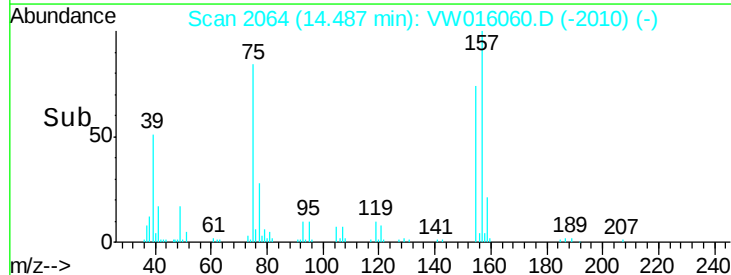
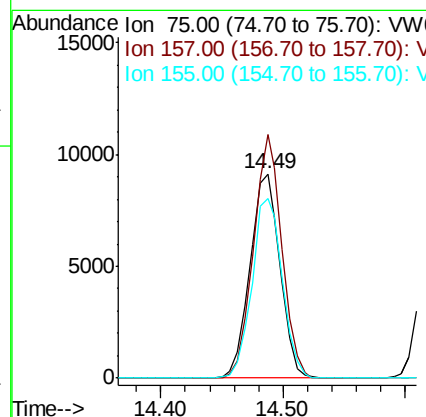
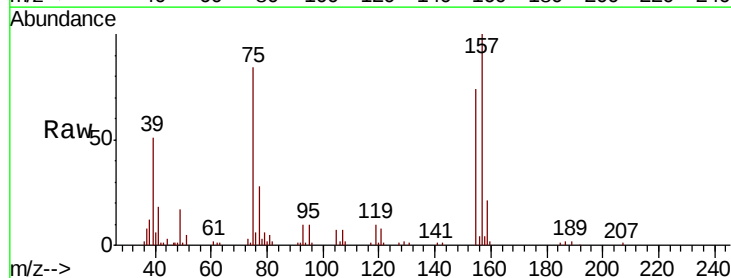
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

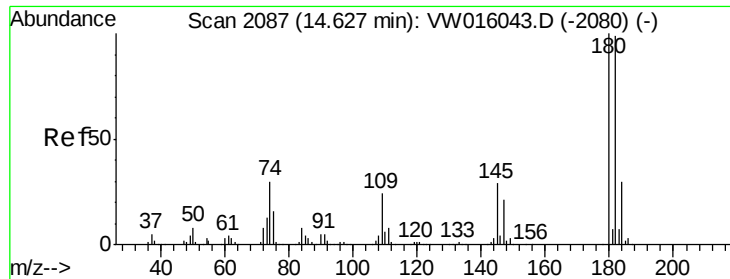
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	32.9	49.3
148	63.4	48.8	73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.289 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016060.D
 Acq: 06 Aug 2020 21:50

Tgt Ion	Ratio	Lower	Upper
75	100		
157	119.3	83.0	124.4
155	88.2	66.9	100.3





#67

1,3,5-Trichlorobenzene

Concen: 26.393 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tot Ion:180 Resp: 154687

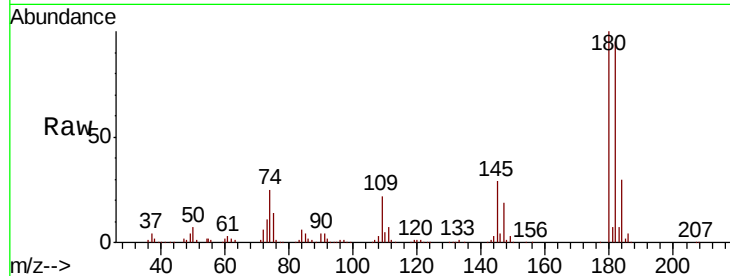
Ion Ratio Lower Upper

180 100

182 95.3 75.4 113.0

184 30.3 24.6 37.0

145 29.6 24.1 36.1



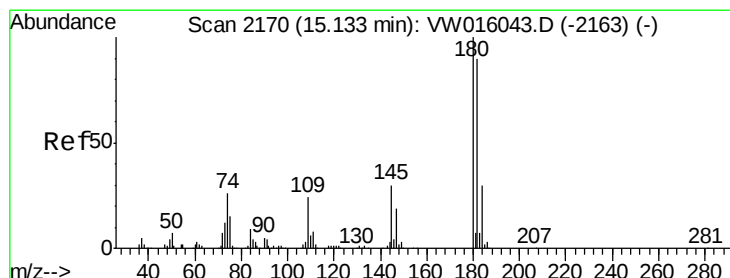
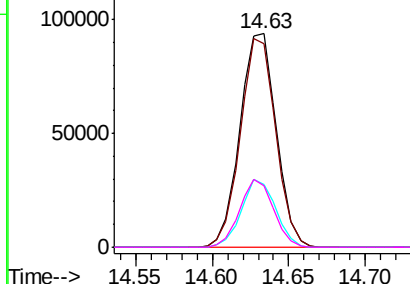
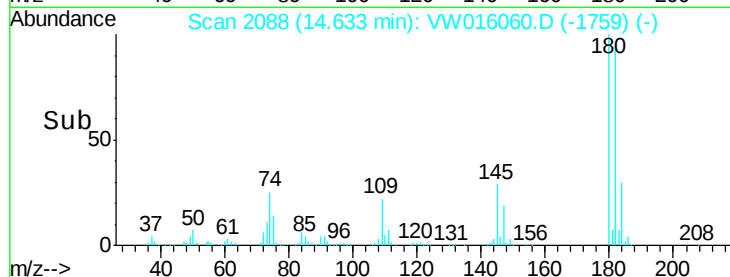
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 27.100 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

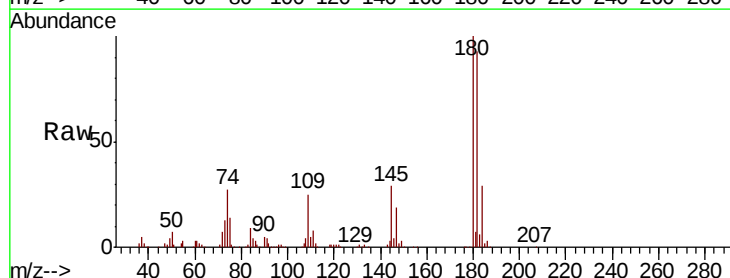
Tgt Ion:180 Resp: 126155

Ion Ratio Lower Upper

180 100

182 92.9 76.0 114.0

145 30.4 24.3 36.5

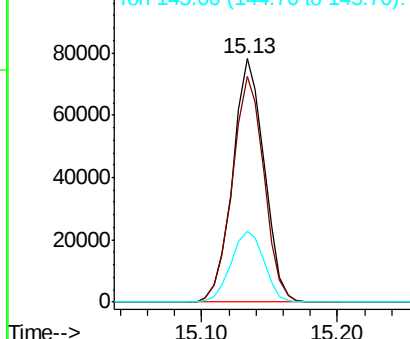
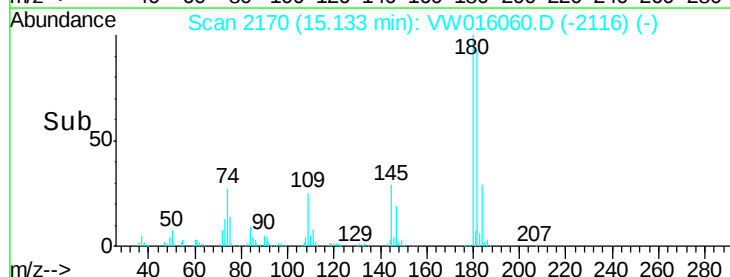


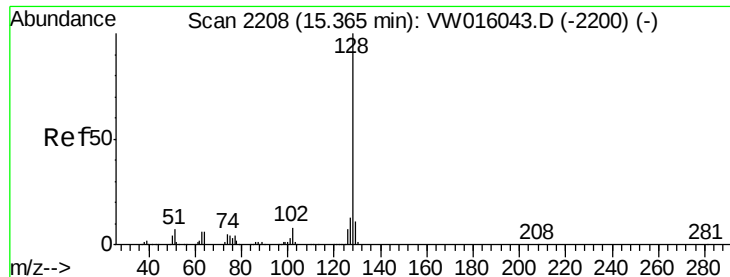
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 29.058 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

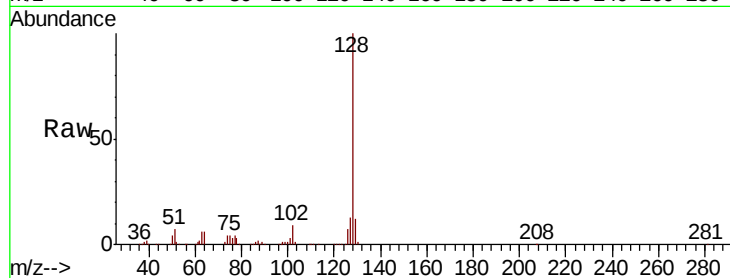
Tot Ion:128 Resp: 254846

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

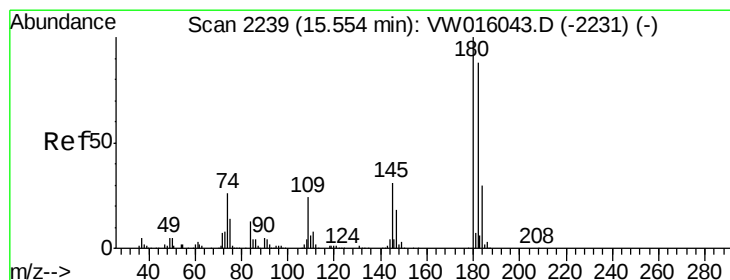
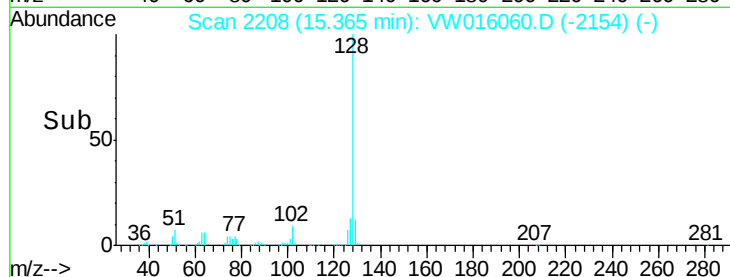
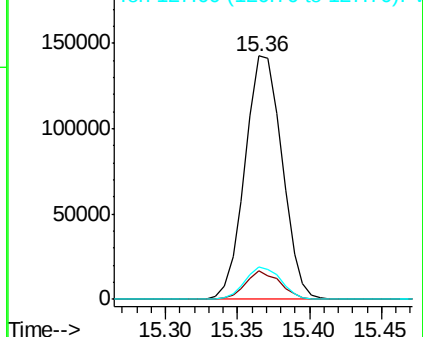
127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 28.761 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016060.D

Acq: 06 Aug 2020 21:50

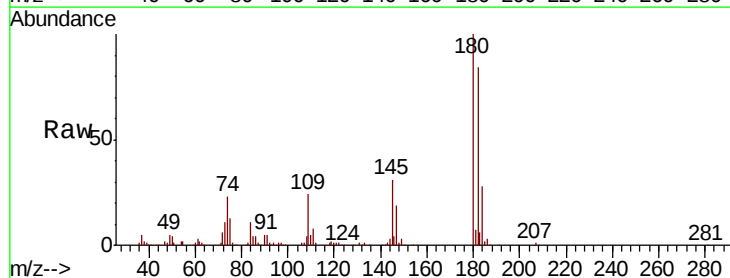
Tgt Ion:180 Resp: 119295

Ion Ratio Lower Upper

180 100

182 90.1 74.0 111.0

145 31.5 25.9 38.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

