

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081720\
 Data File : VW016205.D
 Acq On : 17 Aug 2020 09:20
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

Quant Time: Aug 18 03:15:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 14 15:36:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	439936	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	406854	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	189782	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	109359	20.05	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.20%
7) Chloroethane-d5	2.90	69	90580	21.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.52%
10) 1,1-Dichloroethene-d2	4.02	63	260757	22.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.04%
20) 2-Butanone-d5	7.08	46	67411	46.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.94%
24) Chloroform-d	7.65	84	263051	22.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.12%
26) 1,2-Dichloroethane-d4	8.31	65	131550	20.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.92%
29) Benzene-d6	8.28	84	514910	23.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.04%
33) 1,2-Dichloropropane-d6	9.28	67	149640	22.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.96%
37) Toluene-d8	10.33	98	471287	23.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.88%
38) trans-1,3-Dichloropropene-	10.59	79	66495	22.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.92%
39) 2-Hexanone-d5	10.93	63	53546	47.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124723	23.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.16%
61) 1,2-Dichlorobenzene-d4	13.86	152	158337	23.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.02	85	117685	26.480	ug/L	92
3) Chloromethane	2.23	50	101876	23.083	ug/L	98
5) Vinyl chloride	2.37	62	149951	25.600	ug/L	98
6) Bromomethane	2.79	94	91999	25.078	ug/L	99
8) Chloroethane	2.94	64	85231	25.840	ug/L	99
9) Trichlorofluoromethane	3.27	101	127131	30.406	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	150541	25.477	ug/L	95
12) 1,1-Dichloroethene	4.04	96	152495	27.007	ug/L	89
13) Acetone	4.12	43	54558	50.250	ug/L	91
14) Carbon disulfide	4.38	76	472444	26.656	ug/L	99
15) Methyl Acetate	4.68	43	58681	22.986	ug/L	95
16) Methylene chloride	4.92	84	163493	23.535	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	209602	26.195	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	157351	26.493	ug/L	88
19) 1,1-Dichloroethane	6.22	63	259383	24.682	ug/L	99
21) 2-Butanone	7.18	43	79878	46.420	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	163806	26.143	ug/L	97

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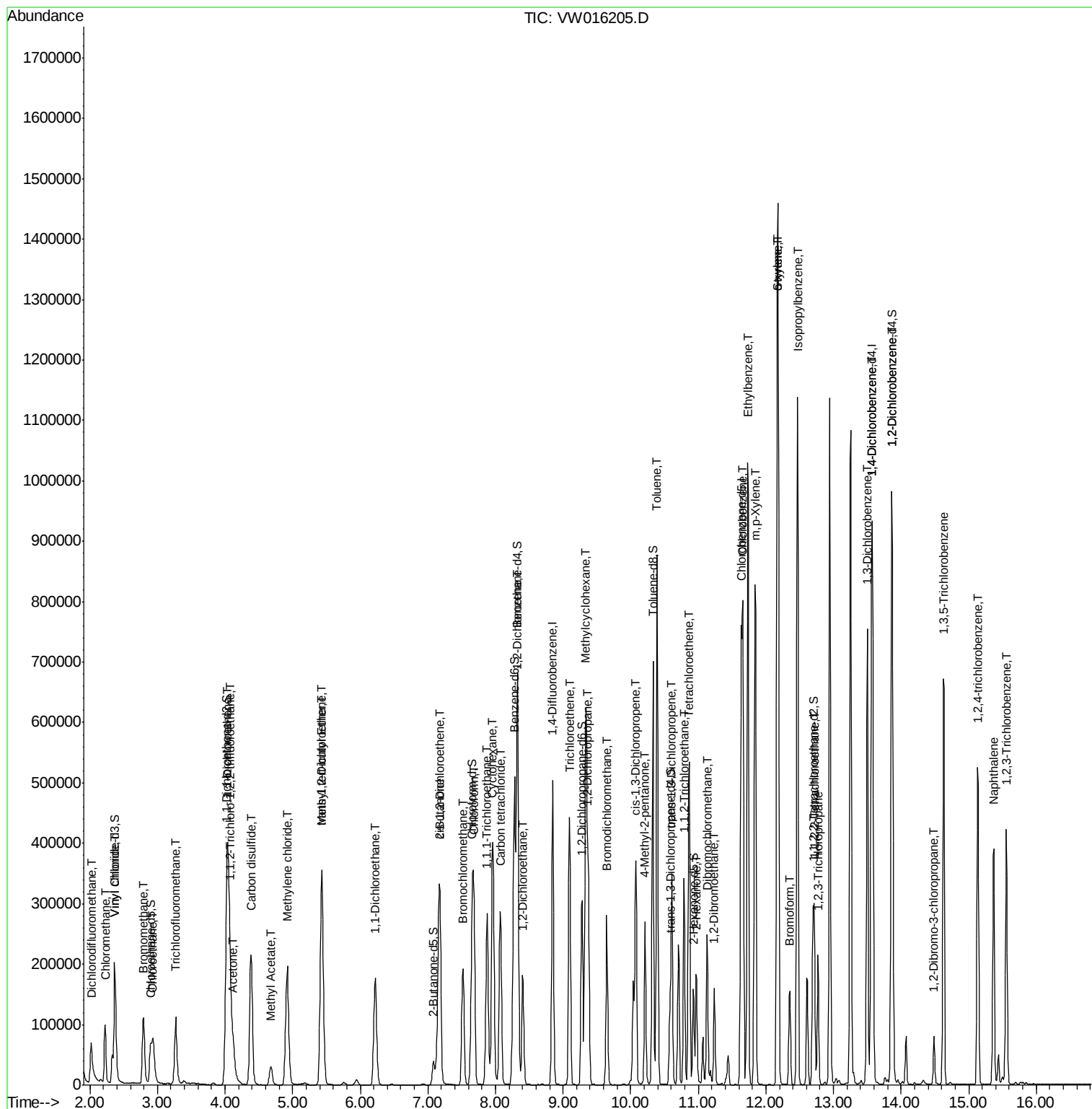
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	72938	25.363	ug/L	92
25) Chloroform	7.68	83	271104	24.248	ug/L	100
27) 1,2-Dichloroethane	8.40	62	164761	22.123	ug/L	99
30) Cyclohexane	7.96	56	233008	26.321	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	238633	25.525	ug/L	99
32) Carbon tetrachloride	8.07	117	222012	25.108	ug/L	98
34) Benzene	8.33	78	610611	26.026	ug/L	100
35) Trichloroethene	9.10	95	159353	25.259	ug/L	96
36) Methylcyclohexane	9.34	83	273654	26.331	ug/L	98
40) 1,2-Dichloropropane	9.37	63	143128	24.842	ug/L	99
41) Bromodichloromethane	9.65	83	191922	24.248	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	229114	26.111	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	166452	48.032	ug/L	97
44) Toluene	10.39	91	648759	26.195	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	197647	25.075	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	112557	24.818	ug/L	98
47) Tetrachloroethene	10.87	164	124222	26.266	ug/L	94
49) 2-Hexanone	10.97	43	111443	47.658	ug/L	96
50) Dibromochloromethane	11.13	129	134980	25.270	ug/L	97
51) 1,2-Dibromoethane	11.24	107	108630	25.265	ug/L	93
52) Chlorobenzene	11.66	112	418547	25.541	ug/L	96
53) Ethylbenzene	11.73	91	744298	26.487	ug/L	100
54) m,p-Xylene	11.84	106	285041	26.966	ug/L	99
55) o-xylene	12.17	106	266241	26.740	ug/L	98
56) Styrene	12.18	104	457221	26.524	ug/L	99
57) Isopropylbenzene	12.47	105	738090	27.495	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	129295	24.433	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	95528	23.829	ug/L	99
62) Bromoform	12.35	173	73823	25.724	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	308825	25.764	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	309699	25.362	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	284966	25.929	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21715	22.533	ug/L #	88
67) 1,3,5-Trichlorobenzene	14.63	180	207627	27.451	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	165565	27.008	ug/L	98
69) Naphthalene	15.37	128	345263	26.683	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	147738	26.527	ug/L	99

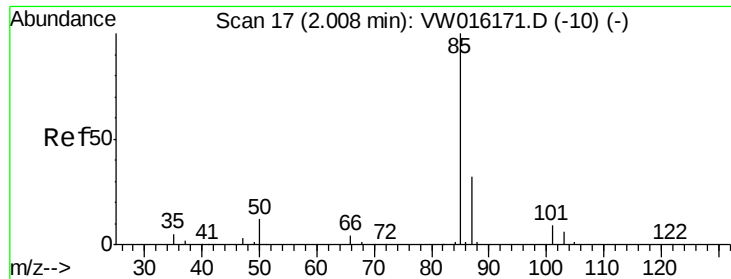
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.480 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

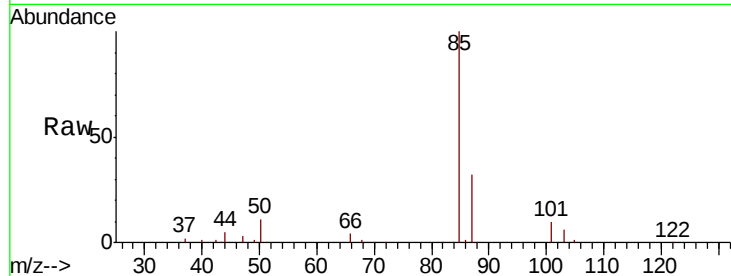
VSTD02515

Tot Ion: 85 Resp: 117685

Ion Ratio Lower Upper

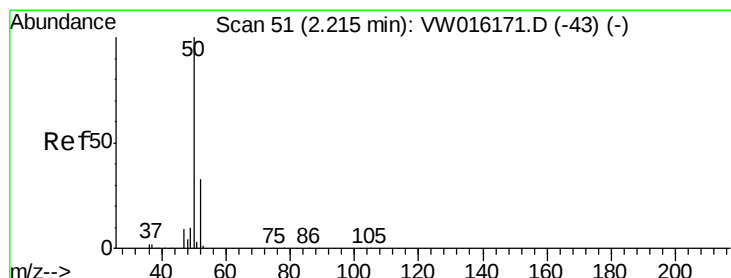
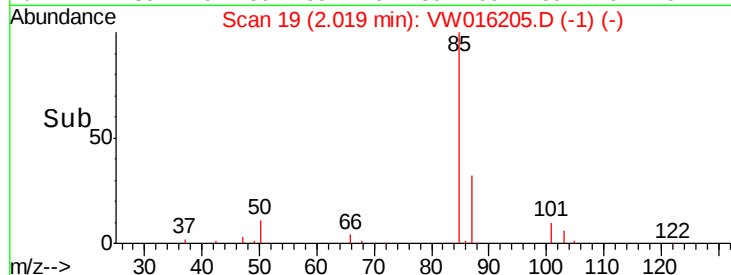
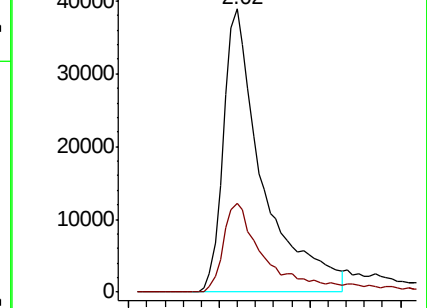
85 100

87 26.9 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.083 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.01 min

Lab File: VW016205.D

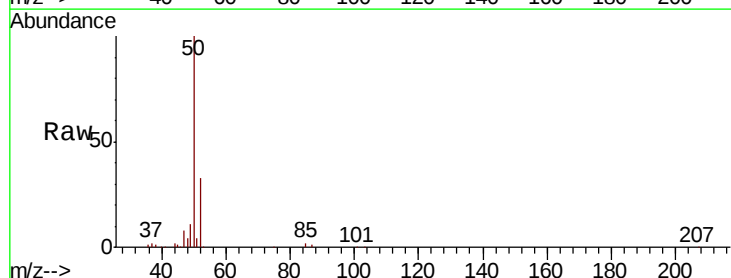
Acq: 17 Aug 2020 09:20

Tgt Ion: 50 Resp: 101876

Ion Ratio Lower Upper

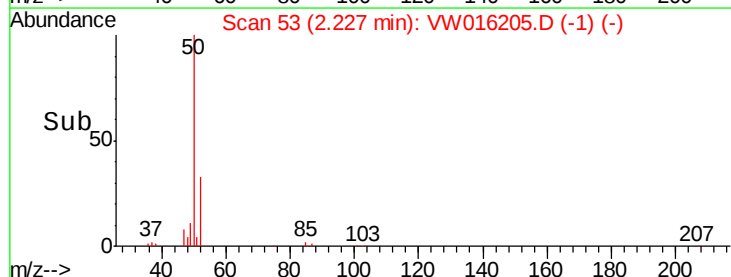
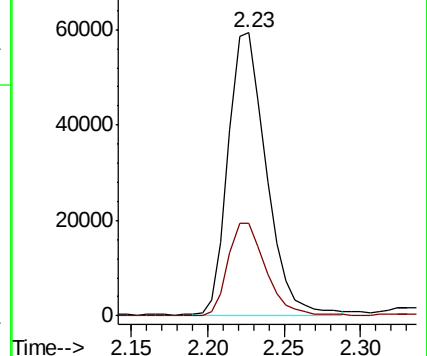
50 100

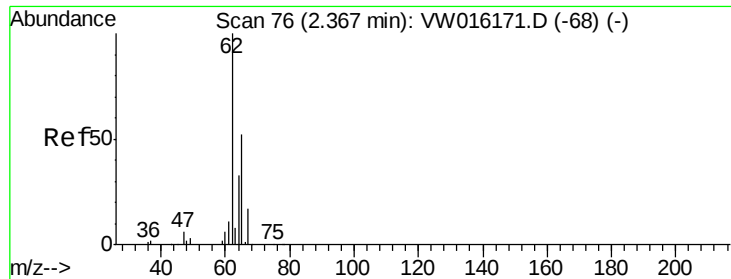
52 32.7 22.0 40.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.600 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

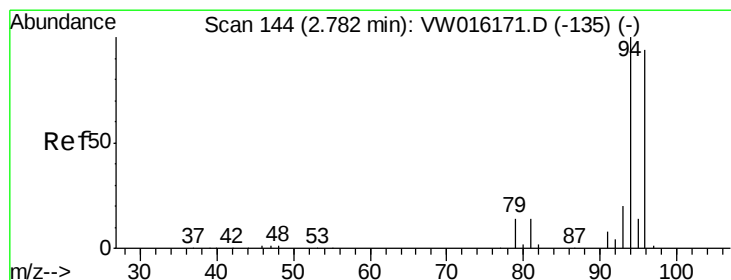
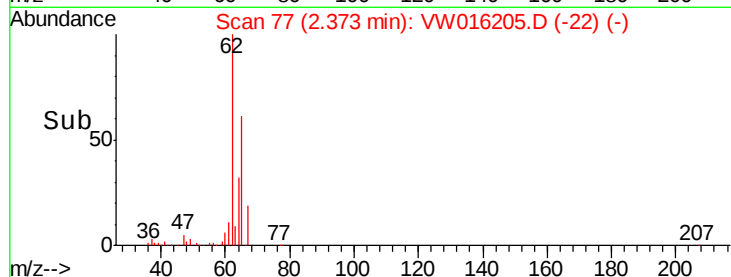
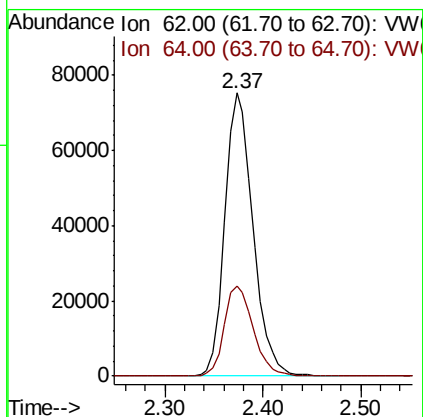
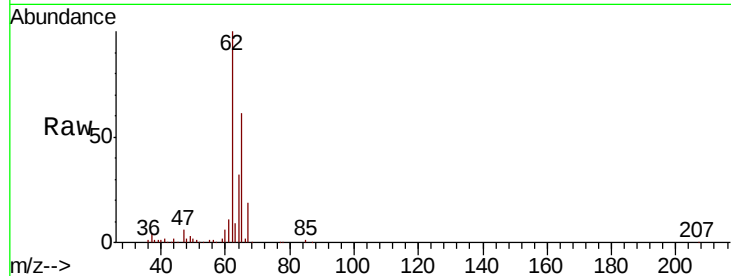
VSTD02515

Tot Ion: 62 Resp: 149951

Ion Ratio Lower Upper

62 100

64 32.0 23.0 42.8



#6

Bromomethane

Concen: 25.078 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.01 min

Lab File: VW016205.D

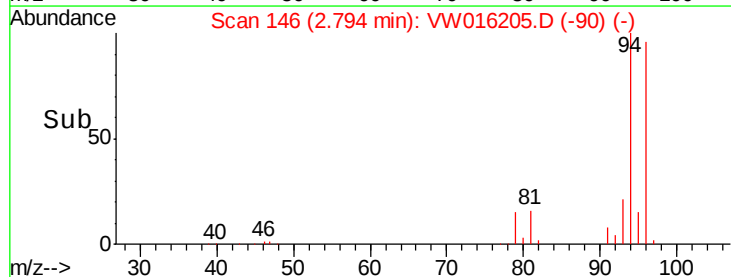
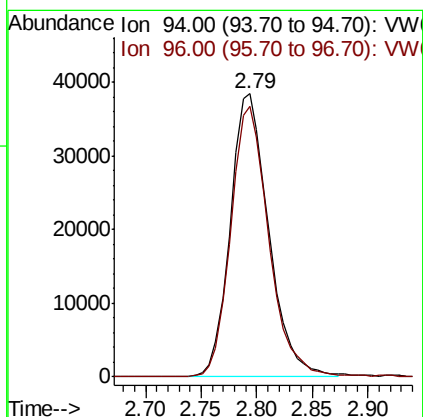
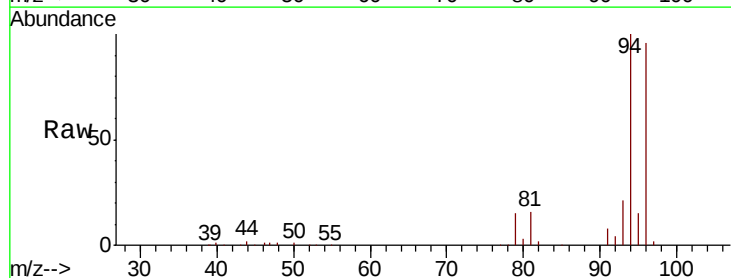
Acq: 17 Aug 2020 09:20

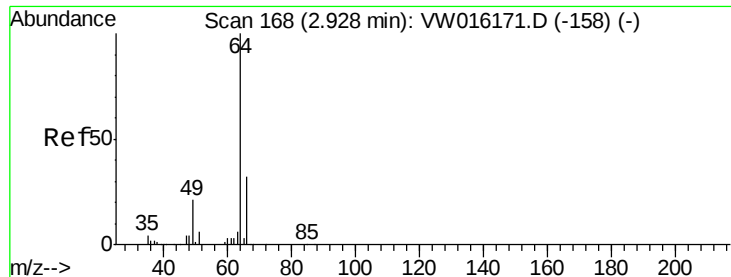
Tgt Ion: 94 Resp: 91999

Ion Ratio Lower Upper

94 100

96 94.5 9.4 178.2





#8

Chloroethane

Concen: 25.840 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.01 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

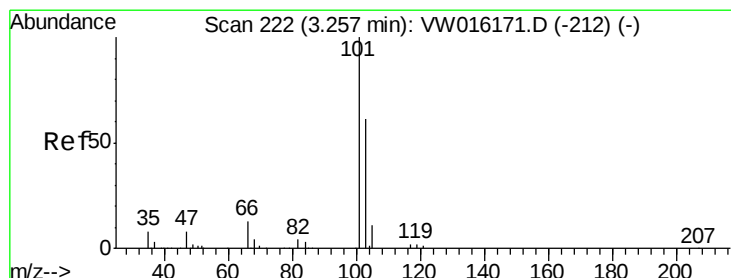
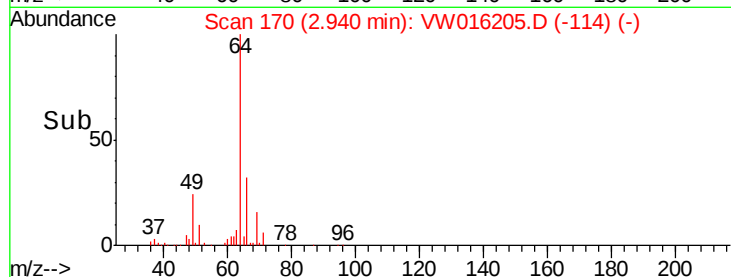
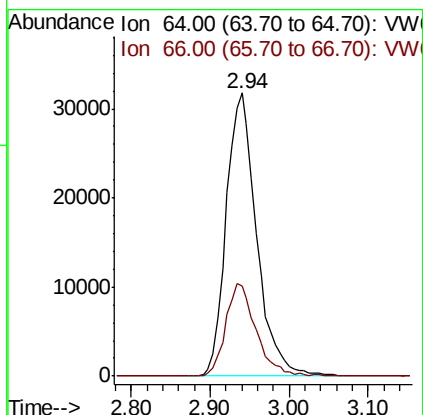
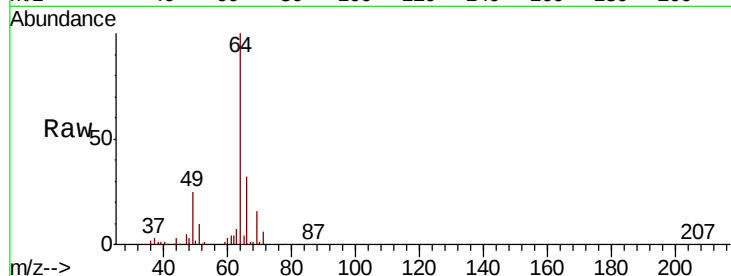
VSTD02515

Tot Ion: 64 Resp: 85231

Ion Ratio Lower Upper

64 100

66 31.9 21.8 40.4



#9

Trichlorofluoromethane

Concen: 30.406 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW016205.D

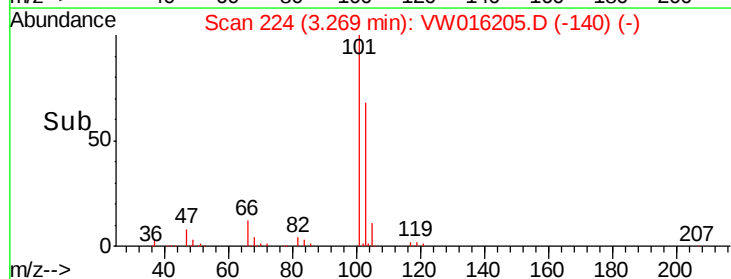
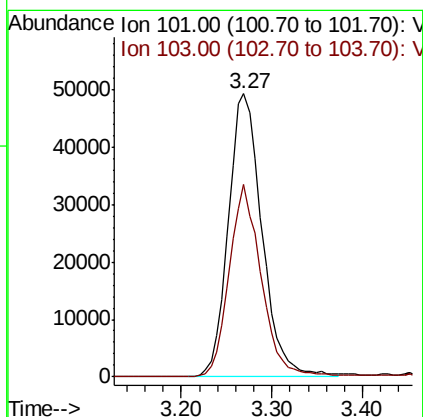
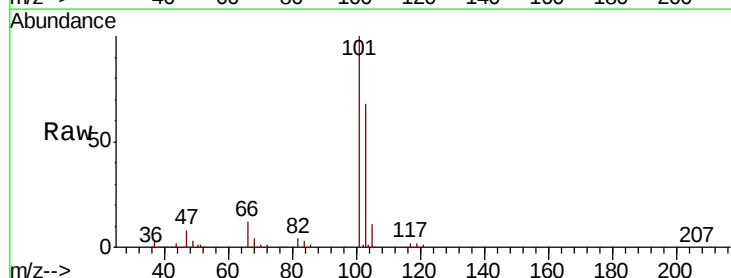
Acq: 17 Aug 2020 09:20

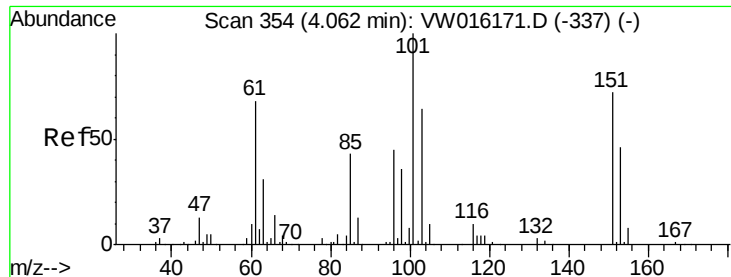
Tgt Ion: 101 Resp: 127131

Ion Ratio Lower Upper

101 100

103 64.5 45.6 84.6





#11

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

Concen: 25.477 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

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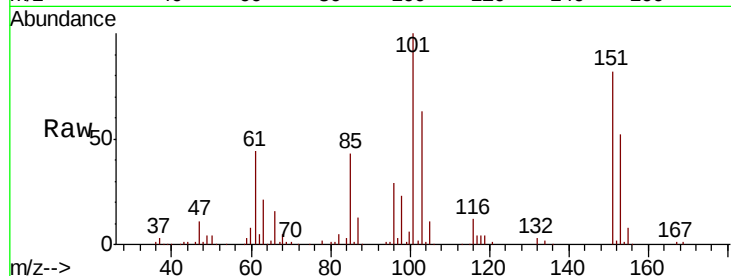
Tot Ion:101 Resp: 150541

Ion Ratio Lower Upper

101 100

85 41.7 34.2 51.4

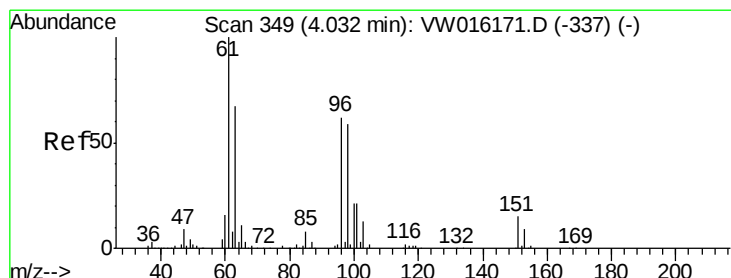
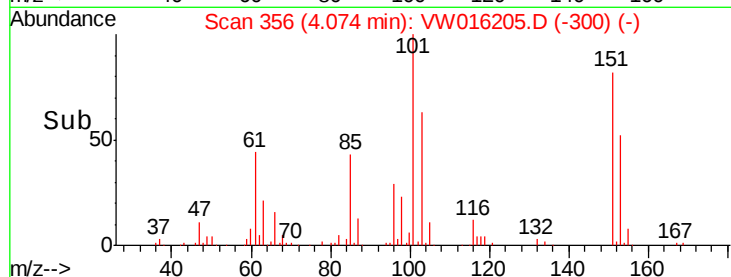
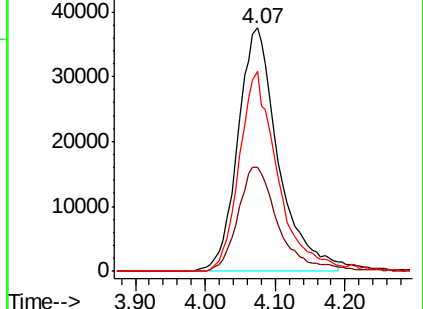
151 77.6 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 27.007 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

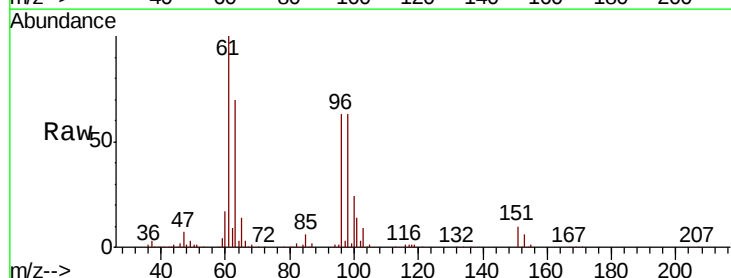
Tgt Ion: 96 Resp: 152495

Ion Ratio Lower Upper

96 100

61 158.4 120.2 223.2

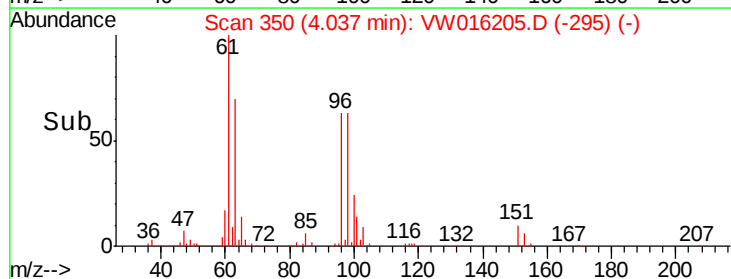
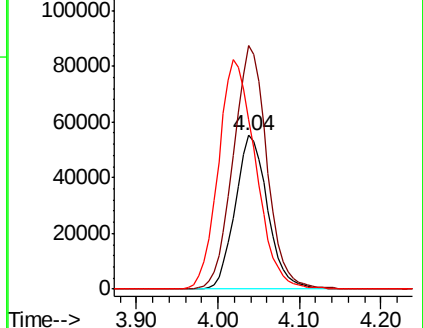
63 110.2 86.4 160.4

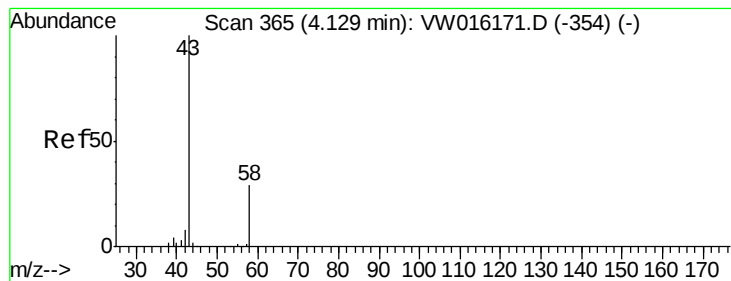


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 50.250 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

Instrument :

MSVOA_W

ClientSampled :

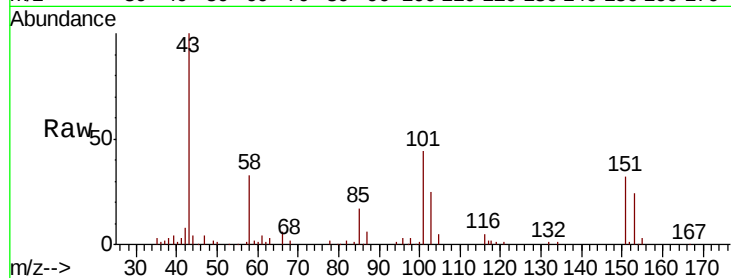
VSTD02515

Tot Ion: 43 Resp: 54558

Ion Ratio Lower Upper

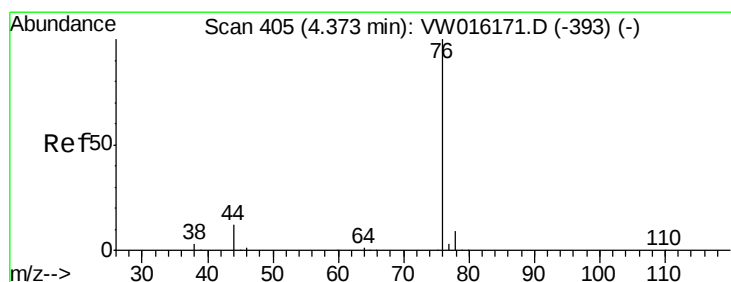
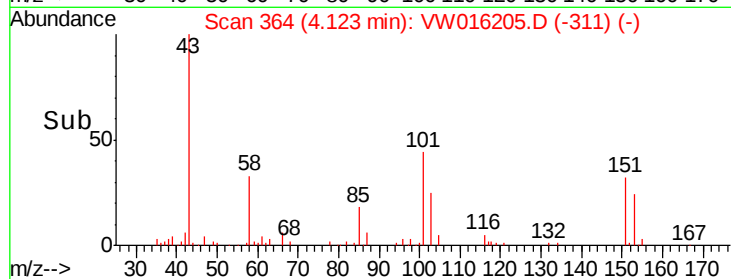
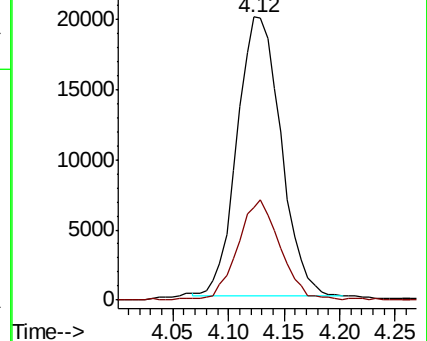
43 100

58 34.4 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 26.656 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW016205.D

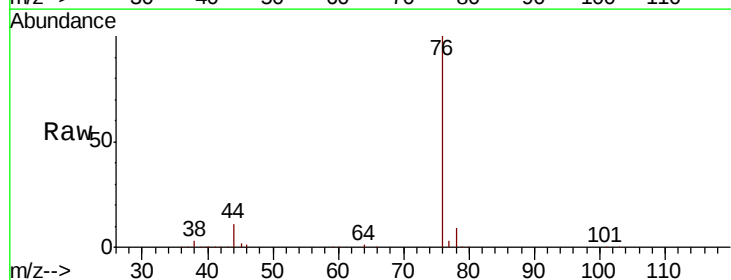
Acq: 17 Aug 2020 09:20

Tgt Ion: 76 Resp: 472444

Ion Ratio Lower Upper

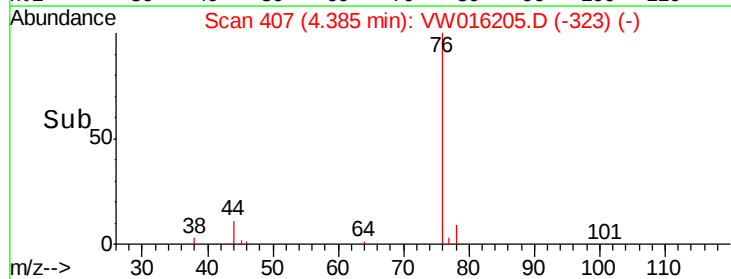
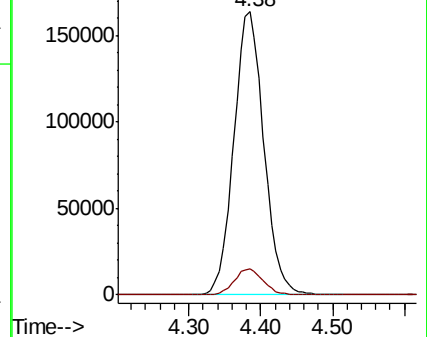
76 100

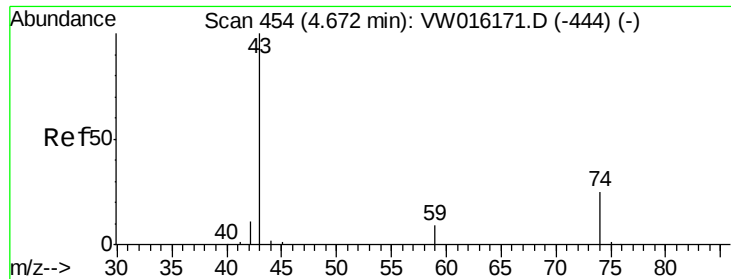
78 9.1 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

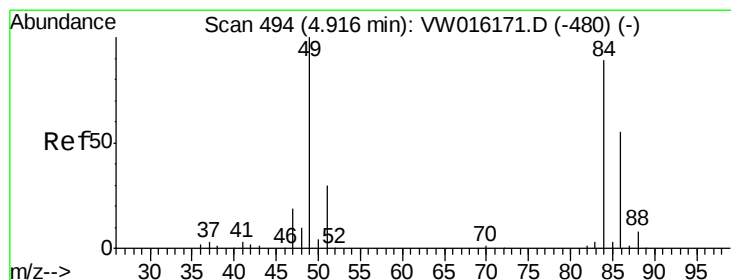
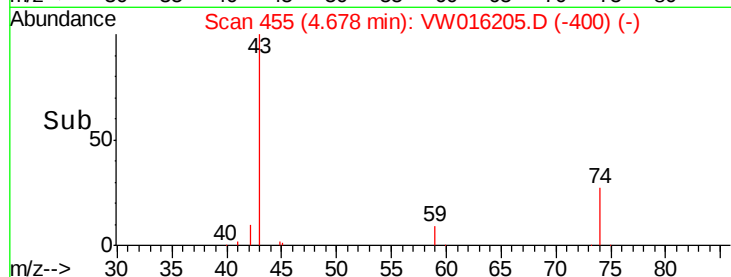
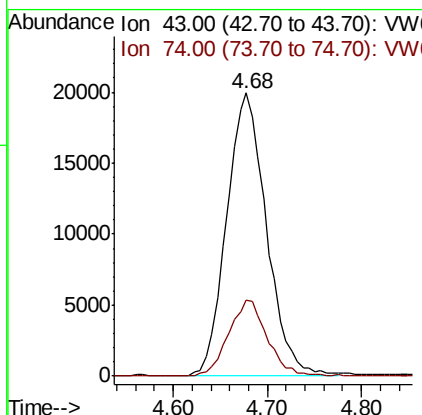
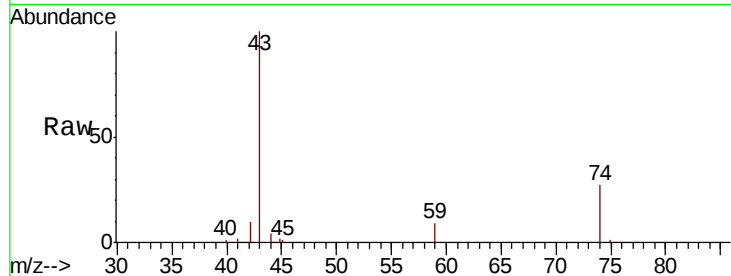




#15
Methvl Acetate
Concen: 22.986 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016205.D
Acq: 17 Aug 2020 09:20

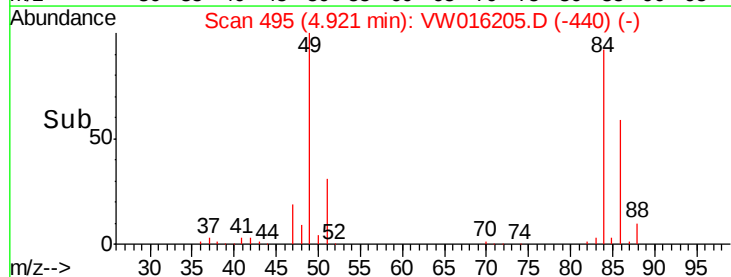
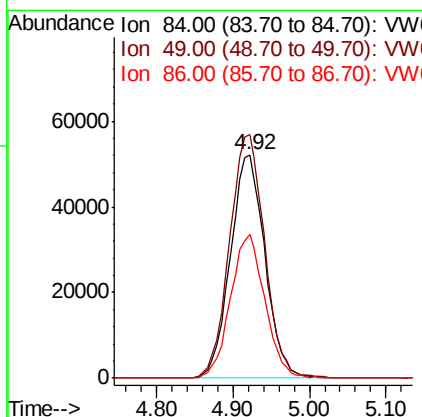
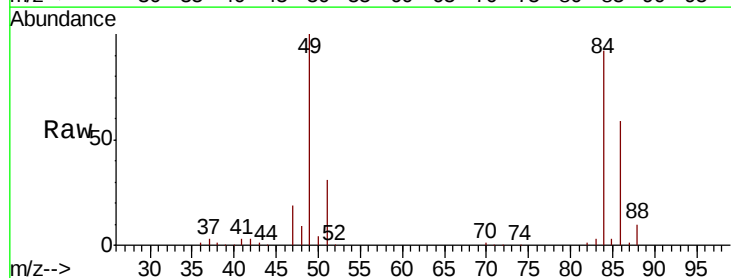
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

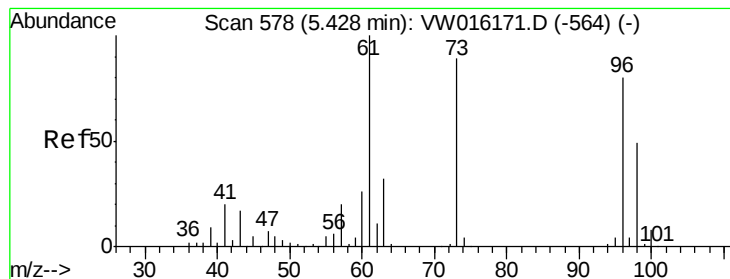
Tot Ion: 43 Resp: 58681
Ion Ratio Lower Upper
43 100
74 25.8 18.9 28.3



#16
Methylene chloride
Concen: 23.535 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW016205.D
Acq: 17 Aug 2020 09:20

Tgt Ion: 84 Resp: 163493
Ion Ratio Lower Upper
84 100
49 109.1 80.4 149.4
86 64.6 43.8 81.3



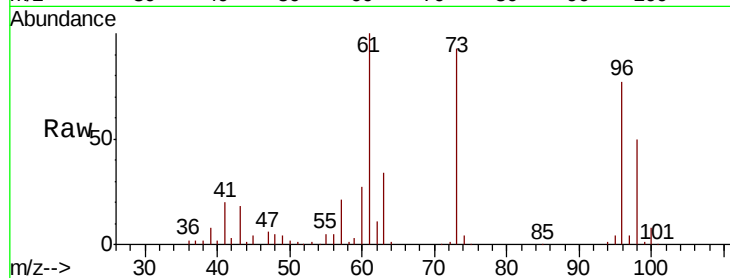


#17

Methyl tert-butyl Ether
 Concen: 26.195 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW016205.D
 Acq: 17 Aug 2020 09:20

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02515

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.6	16.6	24.8
57	21.7	17.1	25.7

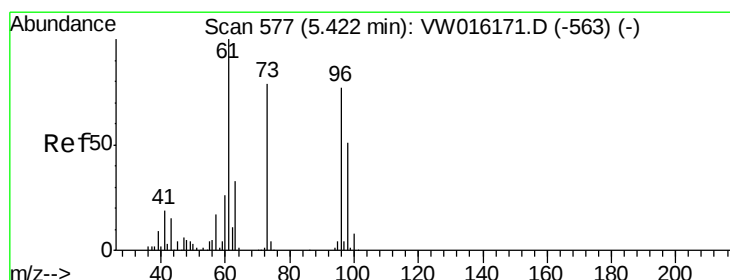
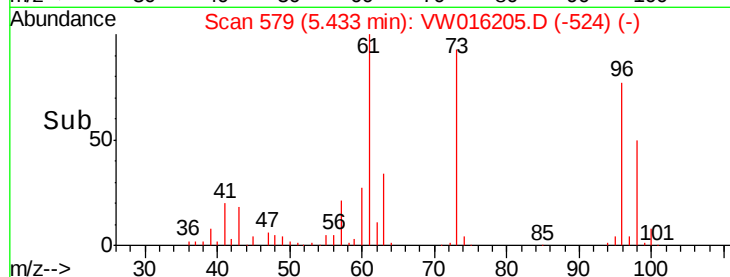
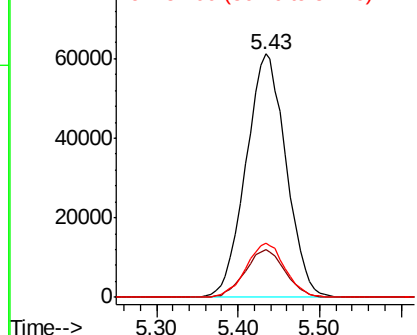


Abundance

Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

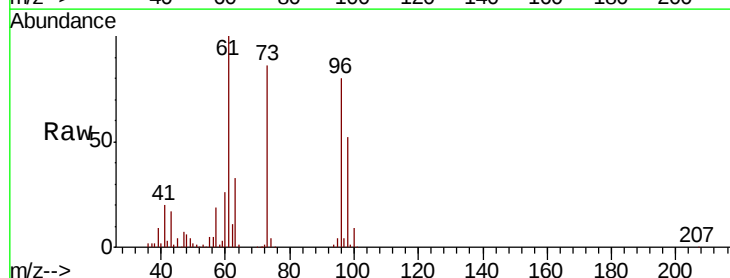
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene
 Concen: 26.493 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW016205.D
 Acq: 17 Aug 2020 09:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.6	101.6	188.8
98	64.9	47.7	88.7

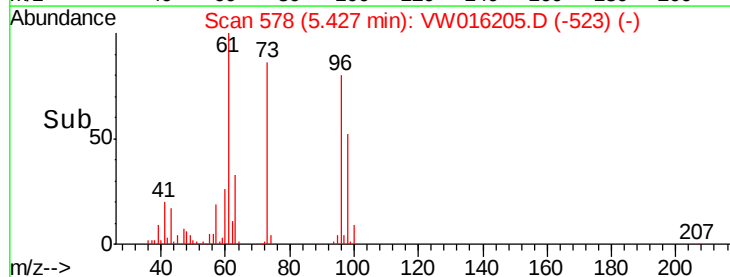
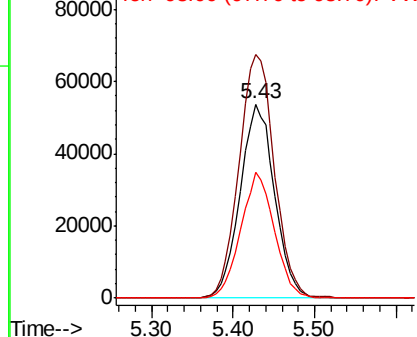


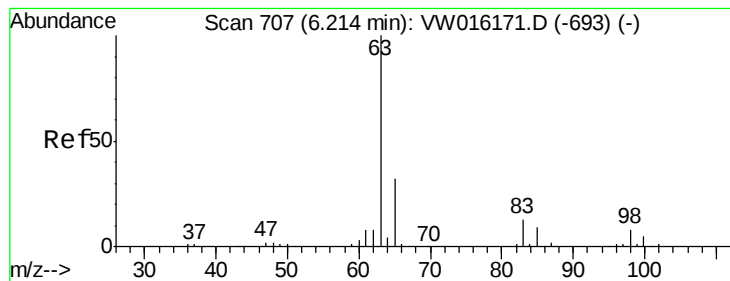
Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 24.682 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

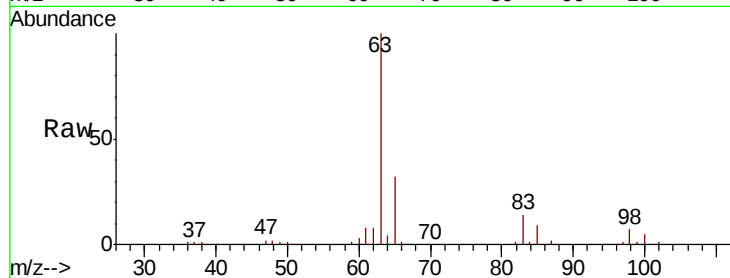
Tot Ion: 63 Resp: 259383

Ion Ratio Lower Upper

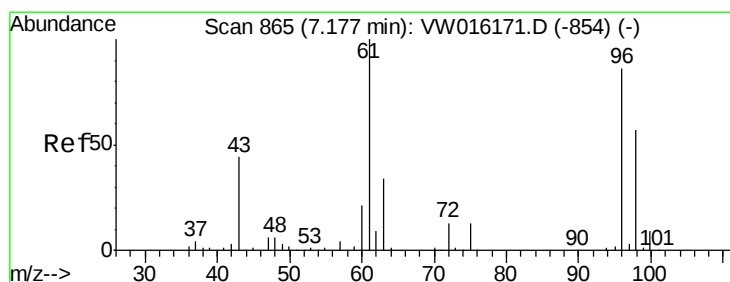
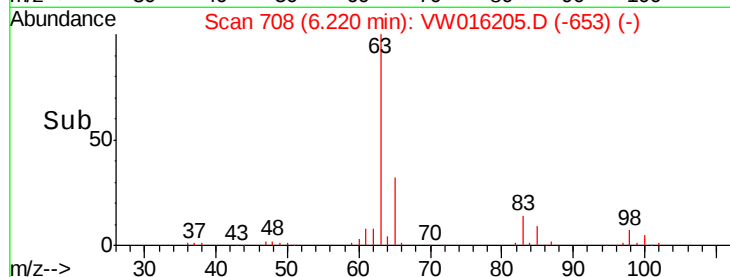
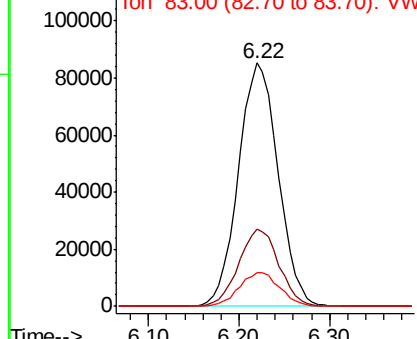
63 100

65 31.5 21.6 40.0

83 14.0 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: 46.420 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW016205.D

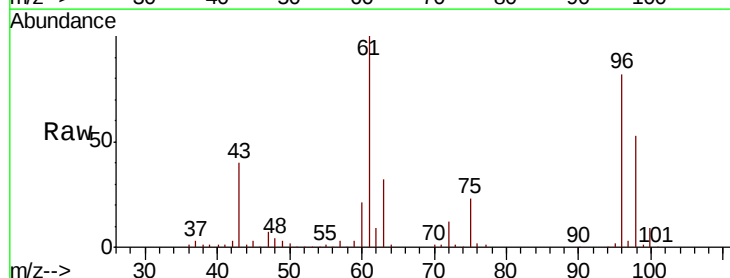
Acq: 17 Aug 2020 09:20

Tgt Ion: 43 Resp: 79878

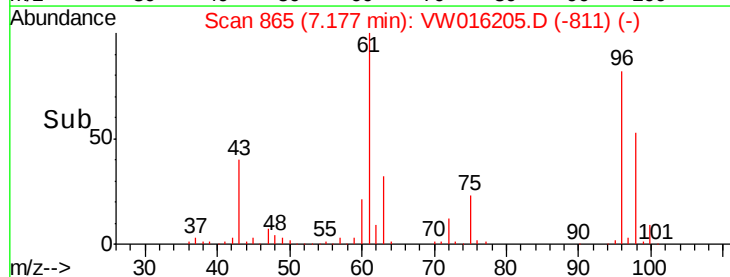
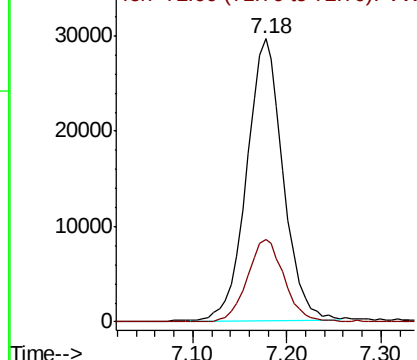
Ion Ratio Lower Upper

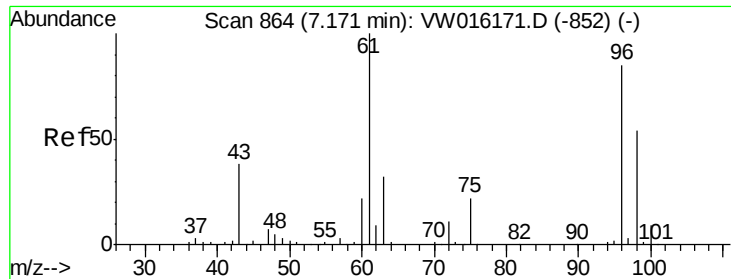
43 100

72 29.6 13.9 41.7



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





#22

cis-1,2-Dichloroethene

Concen: 26.143 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

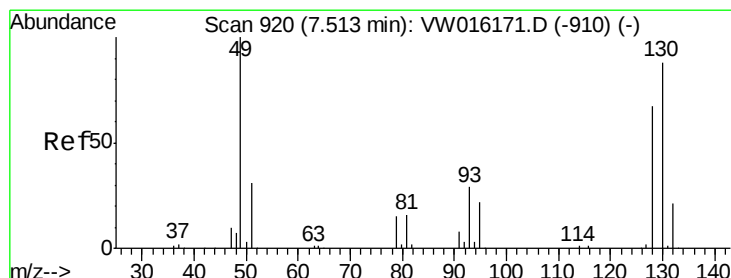
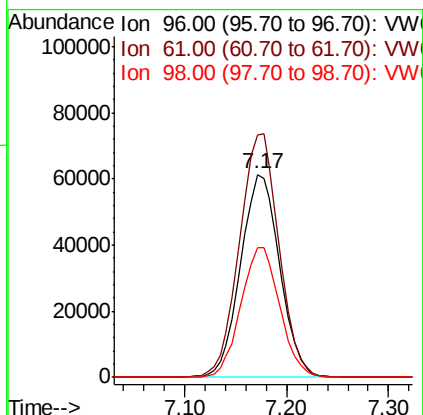
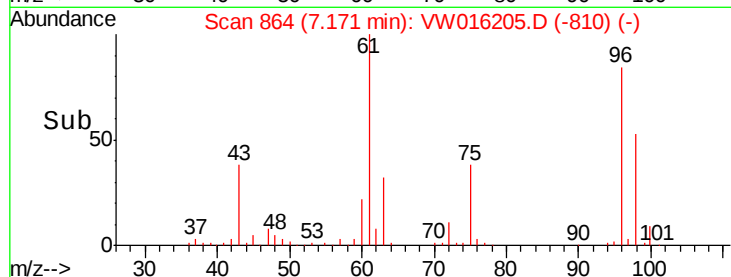
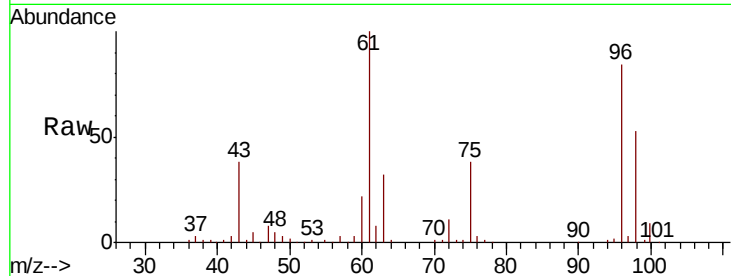
Tot Ion: 96 Resp: 163806

Ion Ratio Lower Upper

96 100

61 119.1 87.0 161.6

98 63.7 44.0 81.6



#23

Bromochloromethane

Concen: 25.363 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

Tgt Ion: 128 Resp: 72938

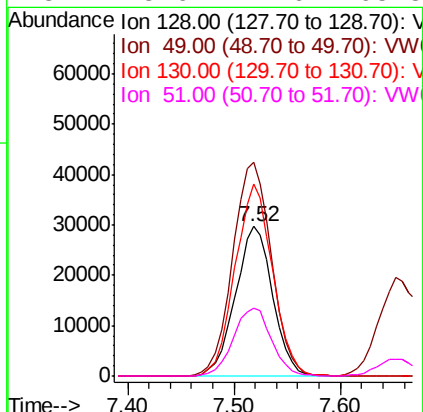
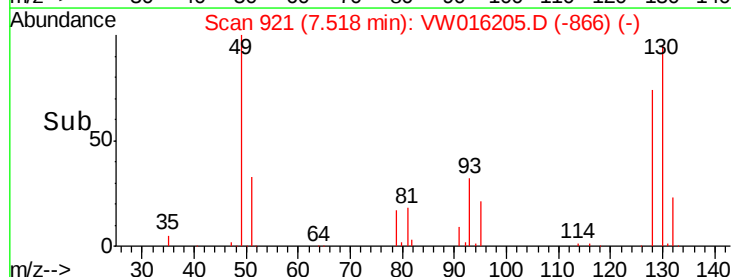
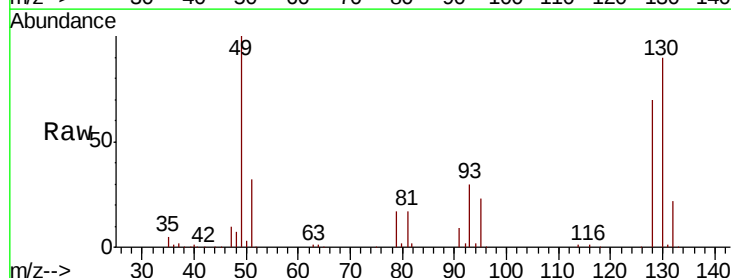
Ion Ratio Lower Upper

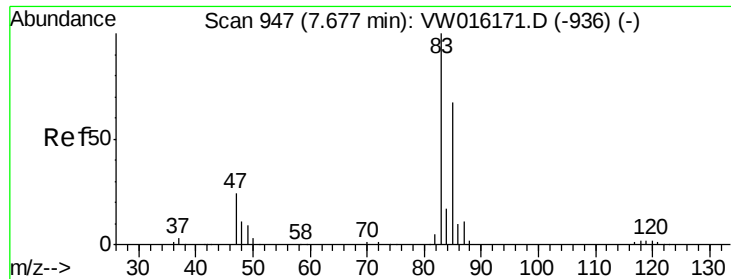
128 100

49 142.6 111.8 207.6

130 128.5 90.6 168.3

51 45.6 42.6 63.8

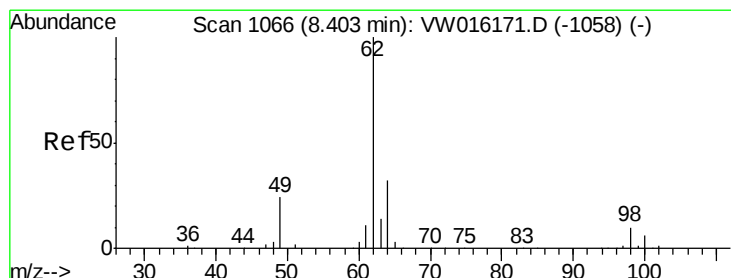
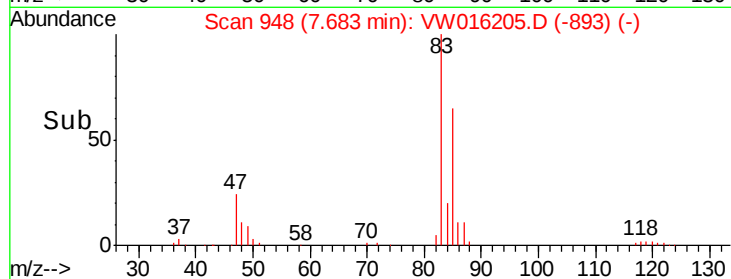
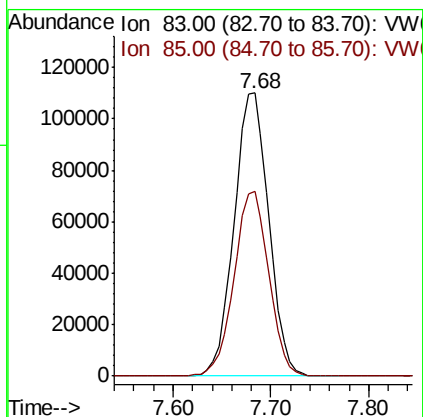
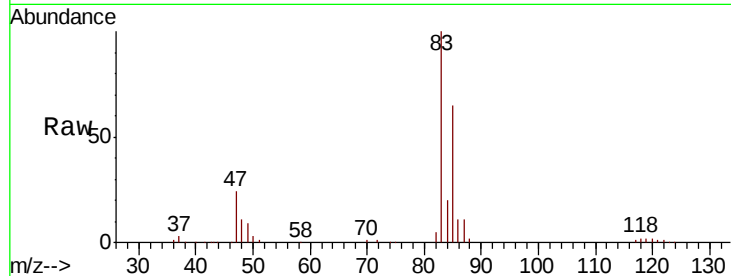




#25
Chloroform
Concen: 24.248 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016205.D
Acq: 17 Aug 2020 09:20

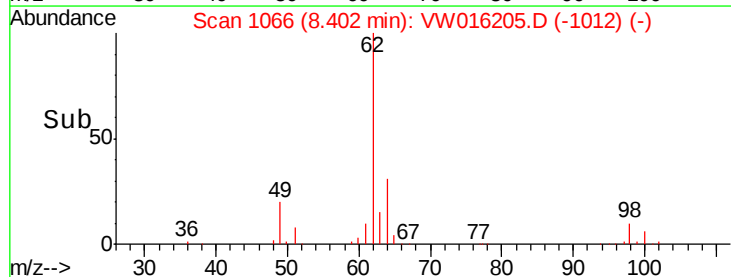
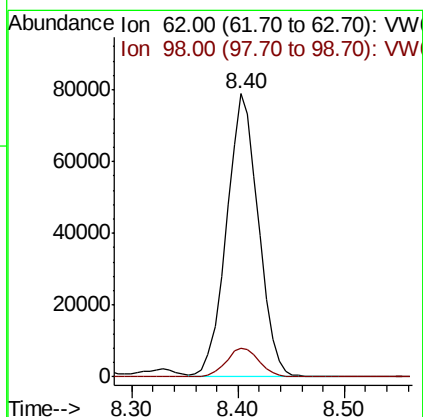
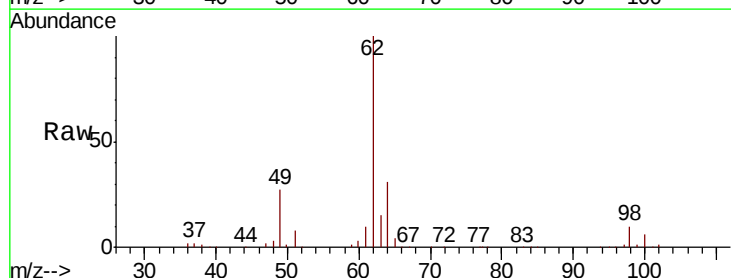
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

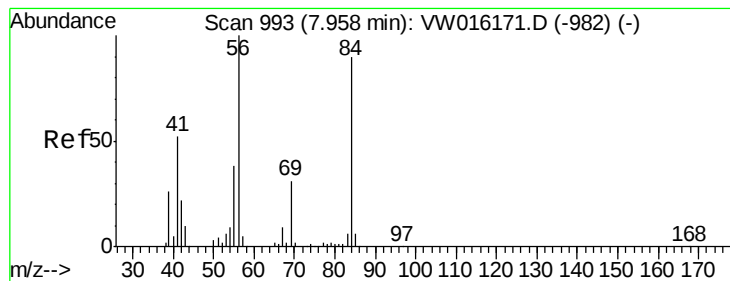
Tot Ion: 83 Resp: 271104
Ion Ratio Lower Upper
83 100
85 65.3 46.0 85.4



#27
1,2-Dichloroethane
Concen: 22.123 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016205.D
Acq: 17 Aug 2020 09:20

Tgt Ion: 62 Resp: 164761
Ion Ratio Lower Upper
62 100
98 10.0 7.7 11.5





#30

Cyclohexane

Concen: 26.321 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

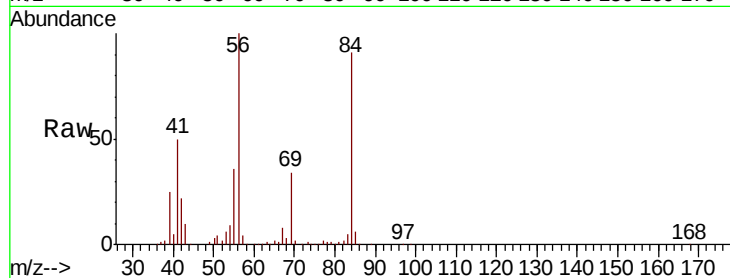
Tot Ion: 56 Resp: 233008

Ion Ratio Lower Upper

56 100

69 33.2 25.4 38.0

84 94.0 73.0 109.6

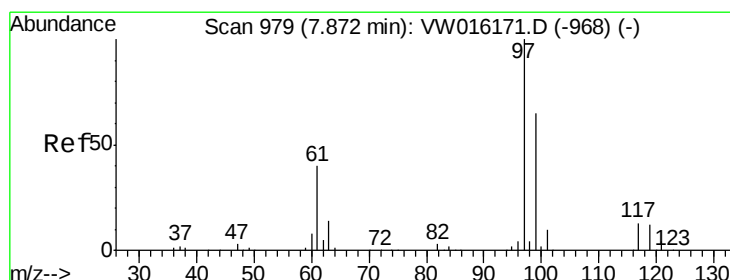
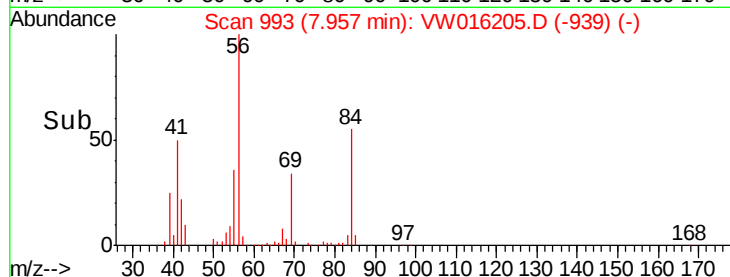
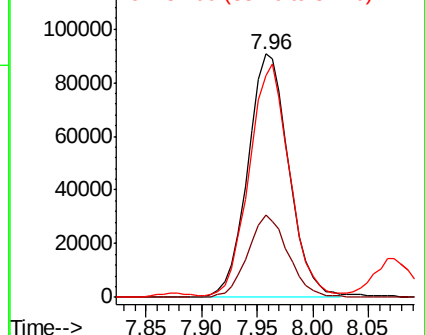


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 25.525 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

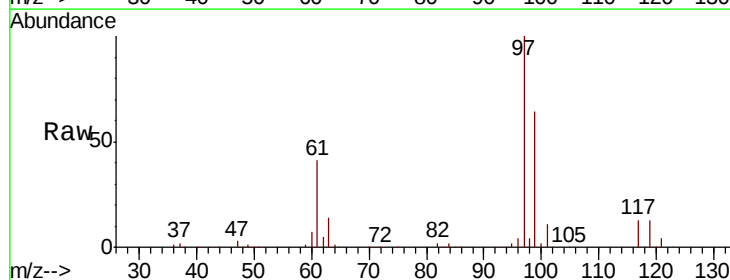
Tgt Ion: 97 Resp: 238633

Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

61 41.0 34.5 51.7

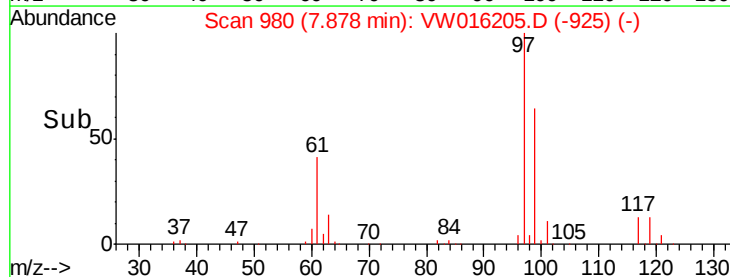
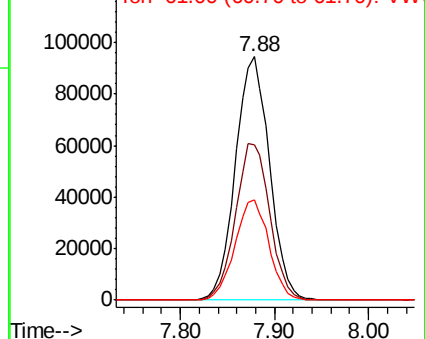


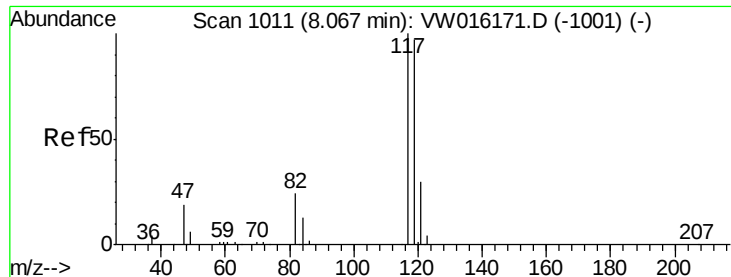
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW

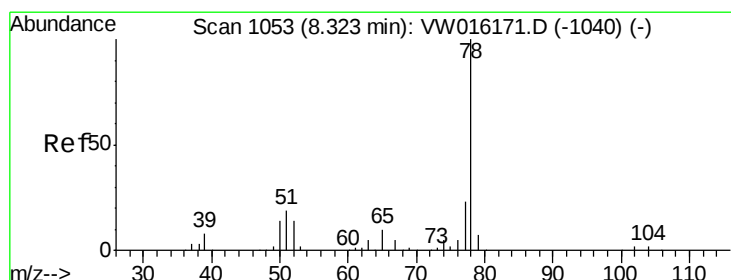
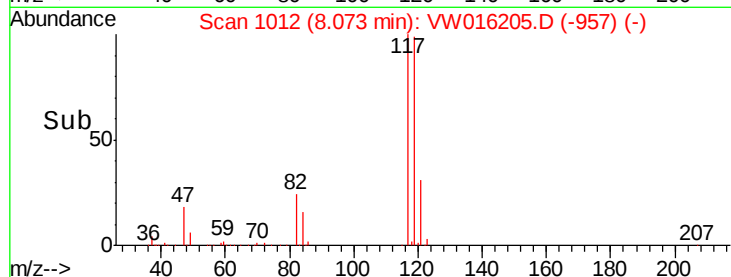
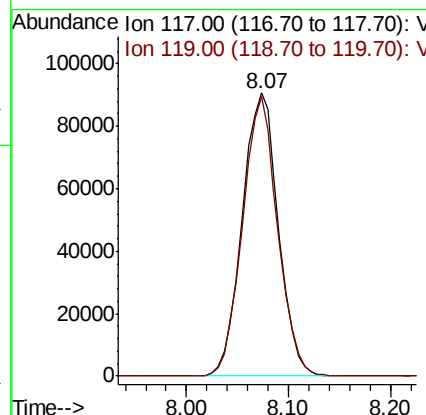
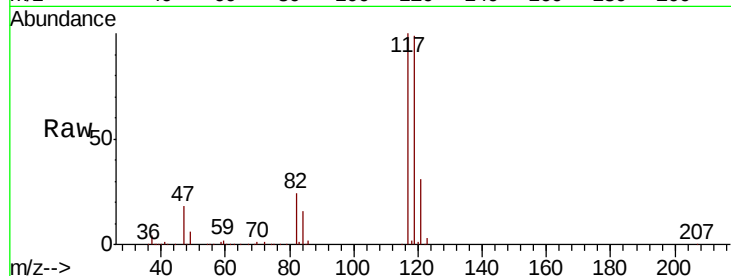




#32
Carbon tetrachloride
Concen: 25.108 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW016205.D
Acq: 17 Aug 2020 09:20

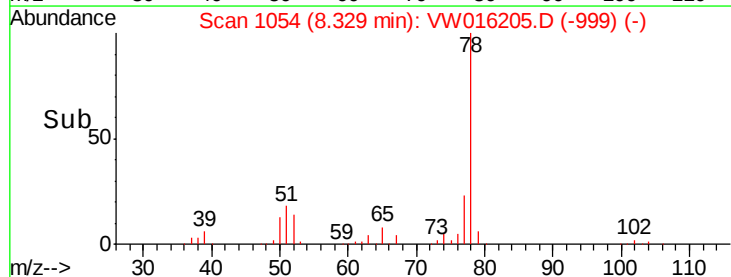
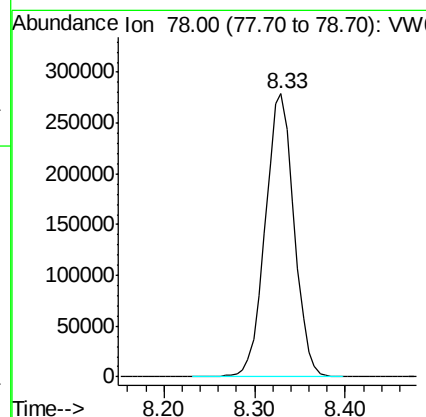
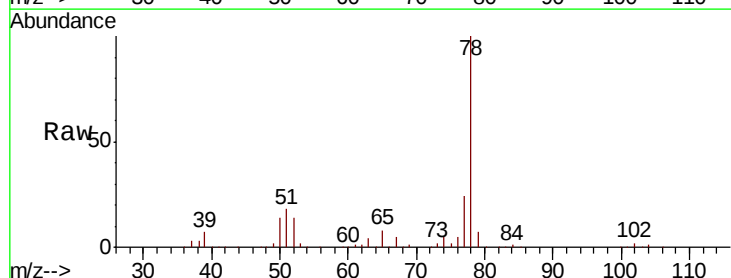
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

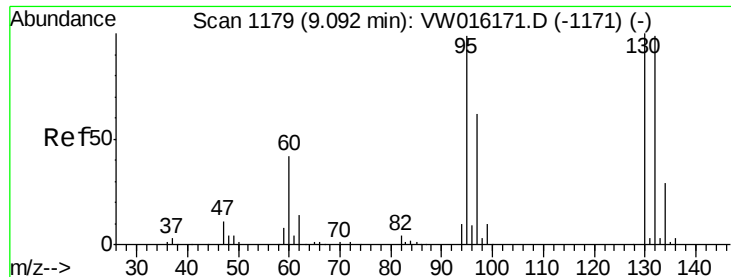
Tot Ion:117 Resp: 222012
Ion Ratio Lower Upper
117 100
119 95.8 75.2 112.8



#34
Benzene
Concen: 26.026 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW016205.D
Acq: 17 Aug 2020 09:20

Tgt Ion: 78 Resp: 610611

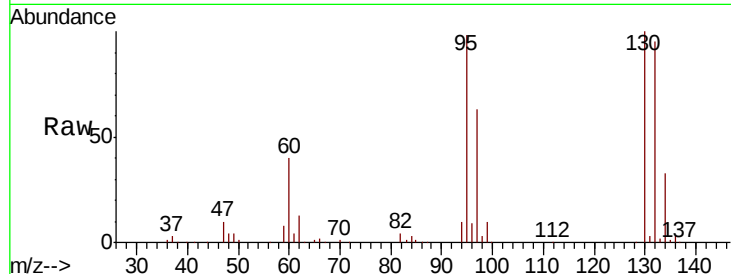




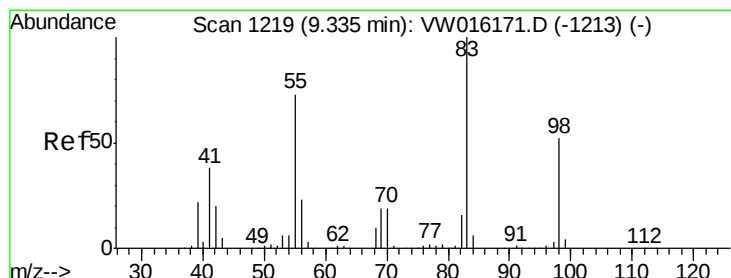
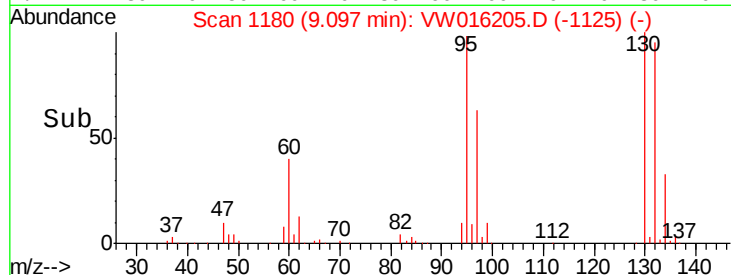
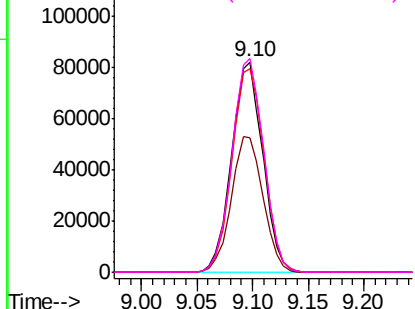
#35
 Trichloroethene
 Concen: 25.259 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW016205.D
 Acq: 17 Aug 2020 09:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

Tot Ion: 95 Resp: 159353
 Ion Ratio Lower Upper
 95 100
 97 65.3 44.9 83.3
 132 99.1 65.8 122.2
 130 103.0 69.5 129.1

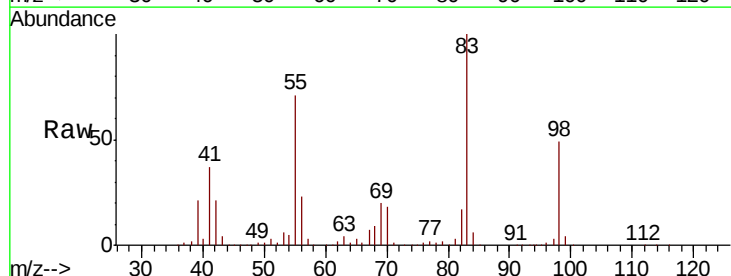


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

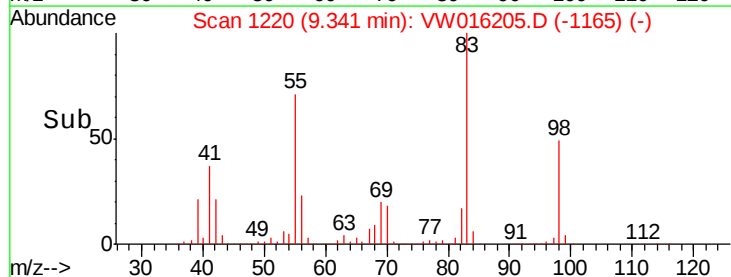
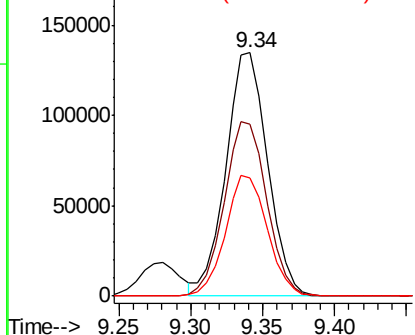


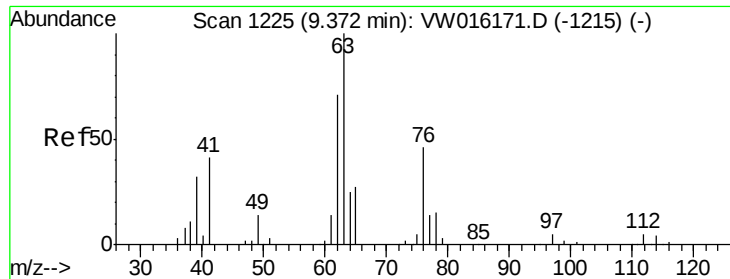
#36
 Methylcyclohexane
 Concen: 26.331 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW016205.D
 Acq: 17 Aug 2020 09:20

Tgt Ion: 83 Resp: 273654
 Ion Ratio Lower Upper
 83 100
 55 72.7 60.7 91.1
 98 49.3 39.4 59.0



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

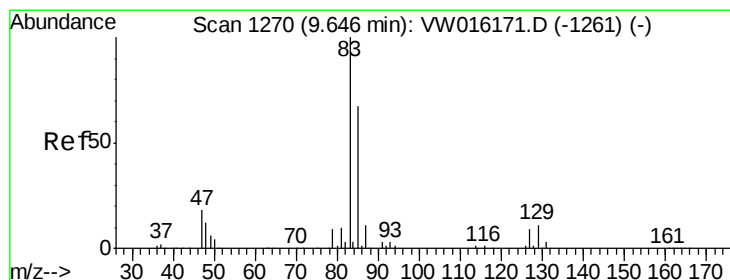
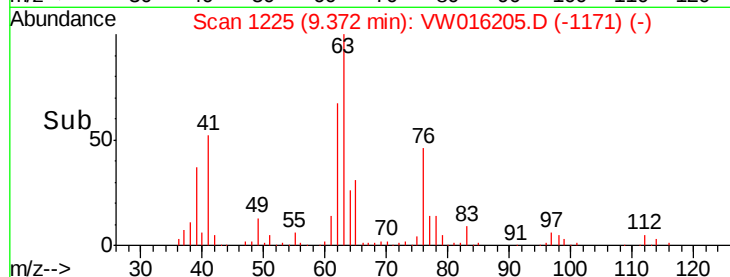
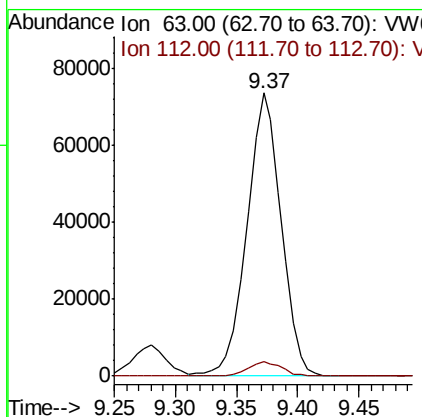
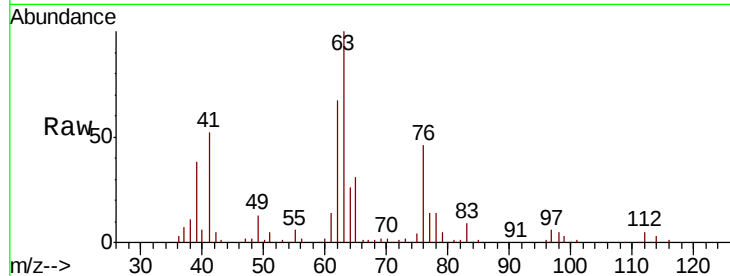




#40
 1,2-Dichloropropane
 Concen: 24.842 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016205.D
 Acq: 17 Aug 2020 09:20

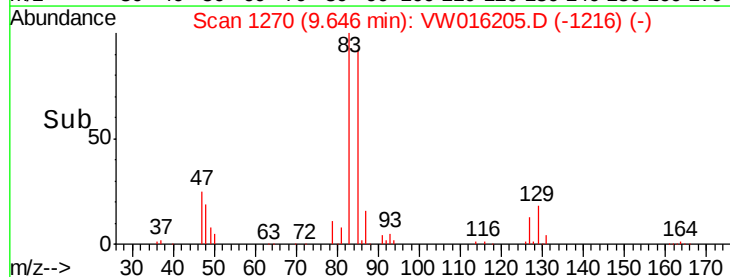
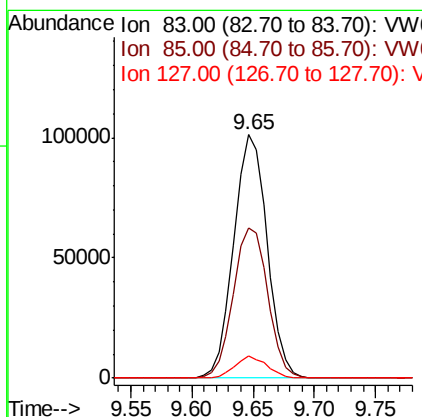
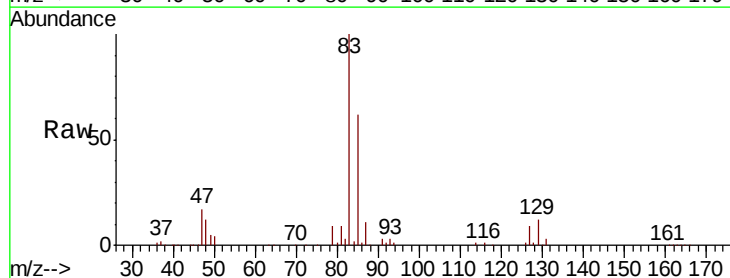
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

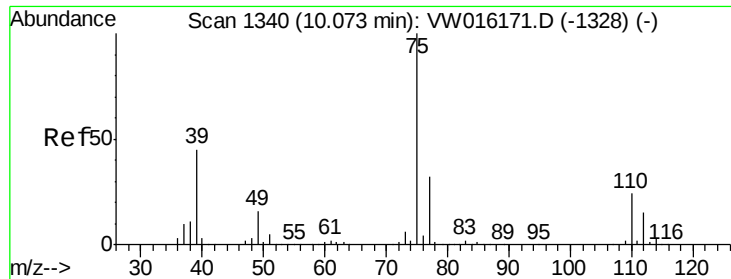
Tot Ion: 63 Resp: 143128
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.0 6.0



#41
 Bromodichloromethane
 Concen: 24.248 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016205.D
 Acq: 17 Aug 2020 09:20

Tgt Ion: 83 Resp: 191922
 Ion Ratio Lower Upper
 83 100
 85 61.6 46.1 85.5
 127 8.9 7.2 10.8

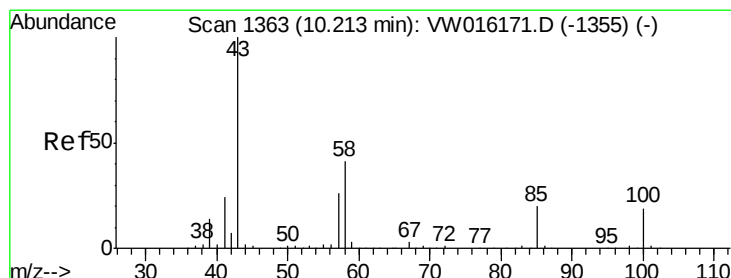
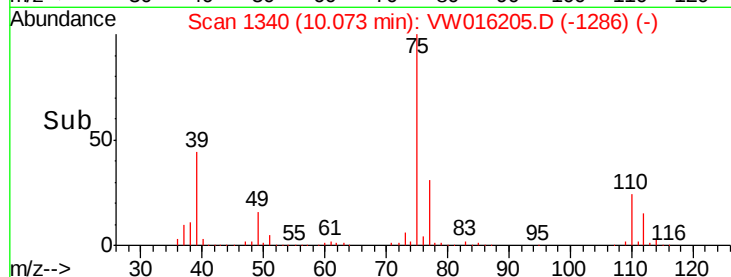
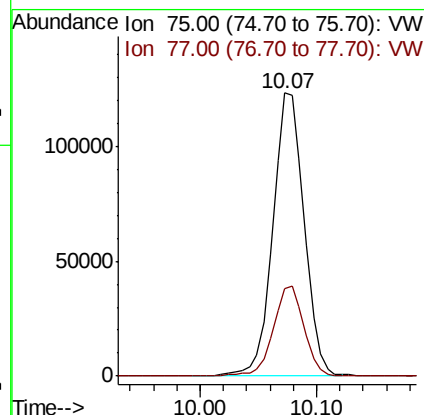
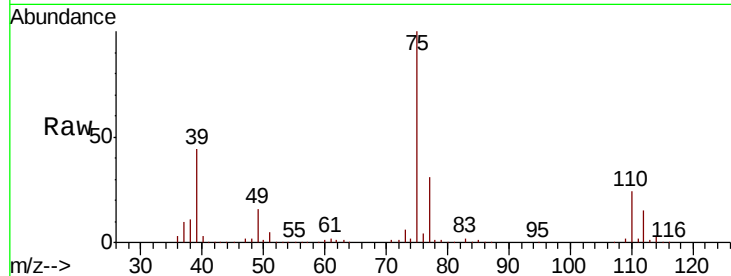




#42
 cis-1,3-Dichloropropene
 Concen: 26.111 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW016205.D
 Acq: 17 Aug 2020 09:20

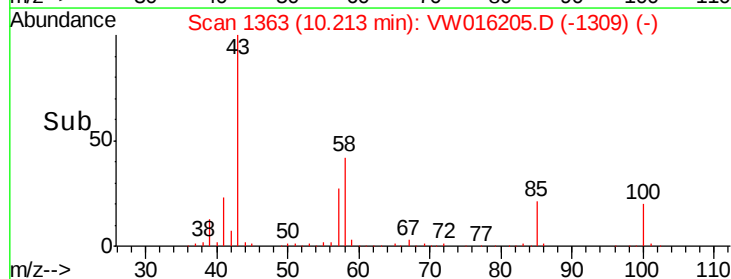
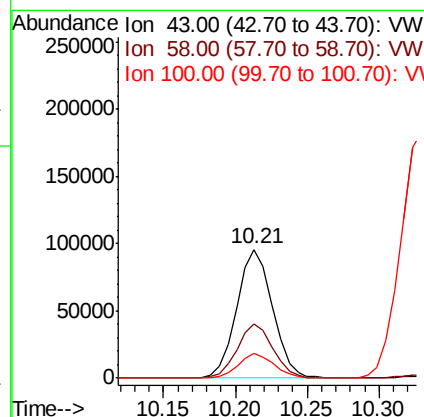
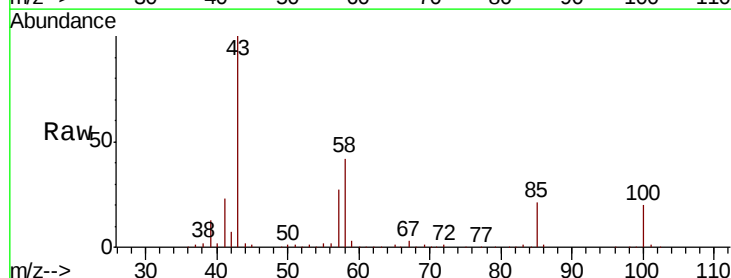
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

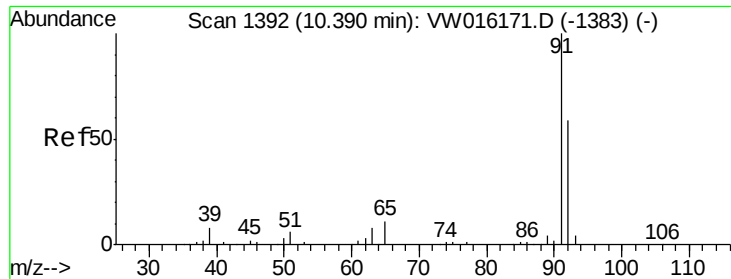
Tot Ion: 75 Resp: 229114
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.9 42.5



#43
 4-Methyl-2-pentanone
 Concen: 48.032 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016205.D
 Acq: 17 Aug 2020 09:20

Tgt Ion: 43 Resp: 166452
 Ion Ratio Lower Upper
 43 100
 58 41.8 32.1 48.1
 100 19.1 13.8 20.8





#44

Toluene

Concen: 26.195 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

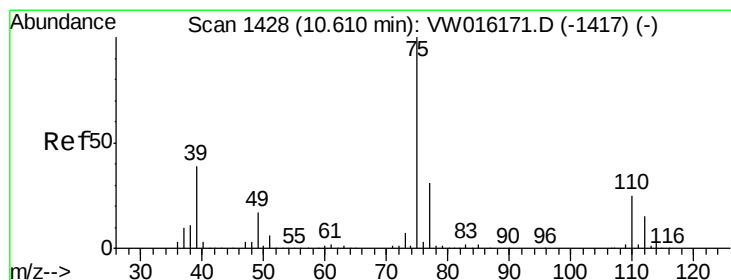
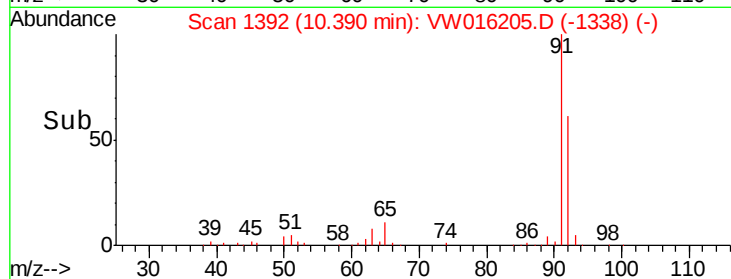
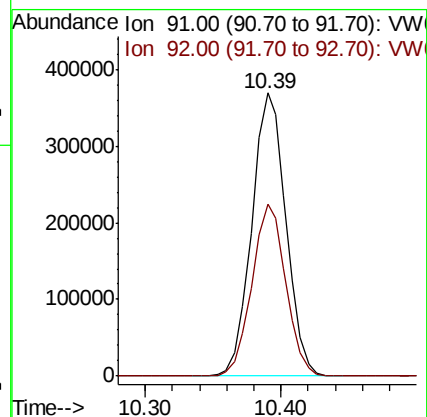
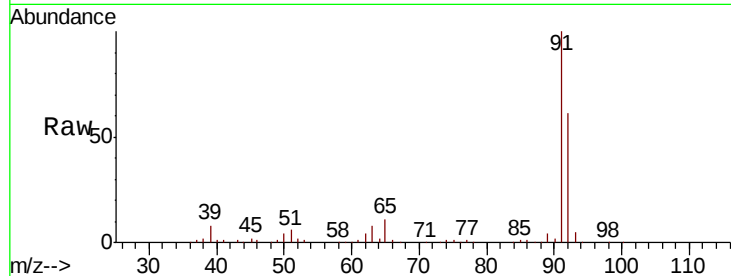
VSTD02515

Tot Ion: 91 Resp: 648759

Ion Ratio Lower Upper

91 100

92 60.6 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 25.075 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016205.D

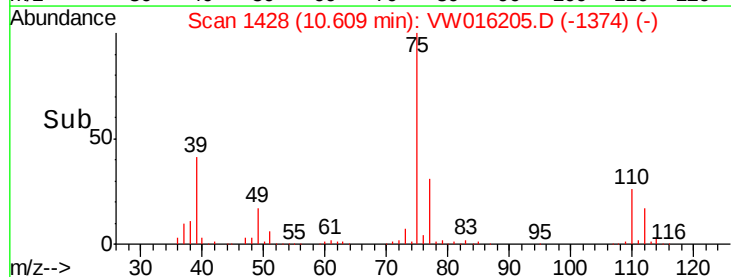
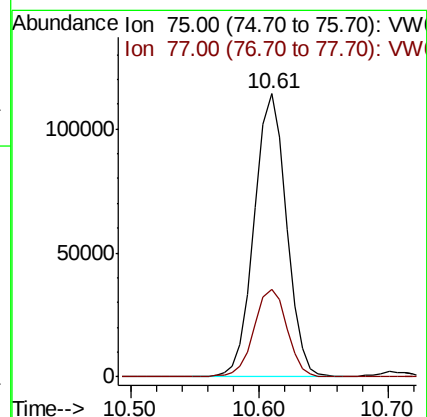
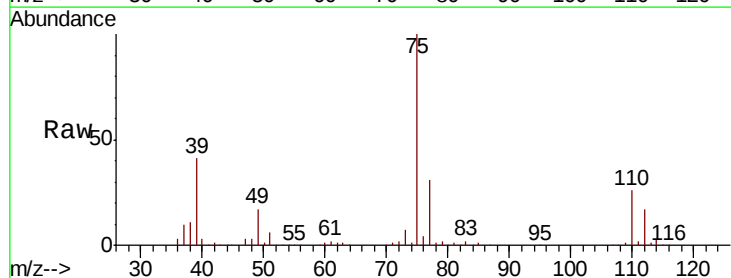
Acq: 17 Aug 2020 09:20

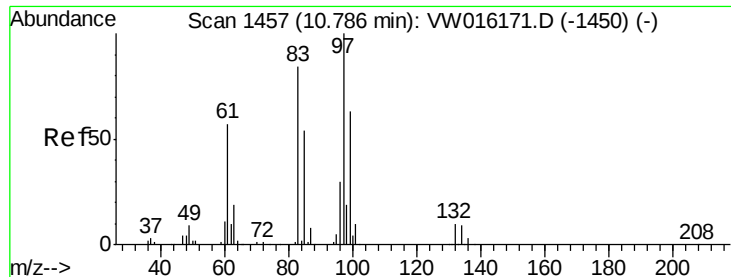
Tgt Ion: 75 Resp: 197647

Ion Ratio Lower Upper

75 100

77 31.1 22.7 42.1

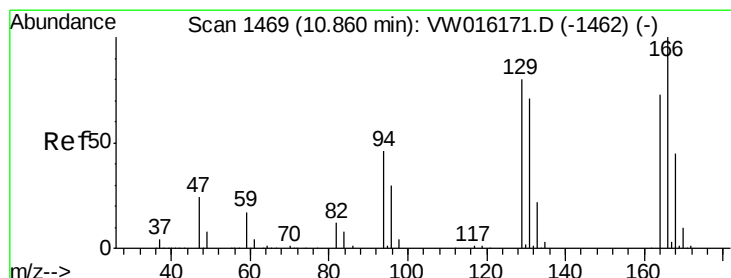
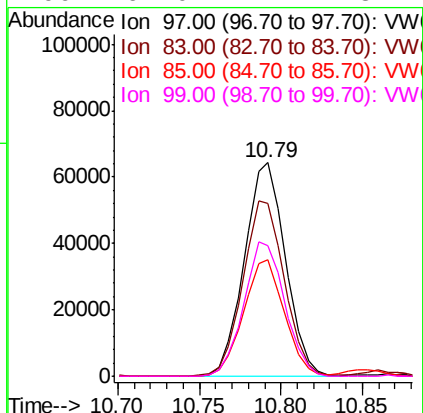
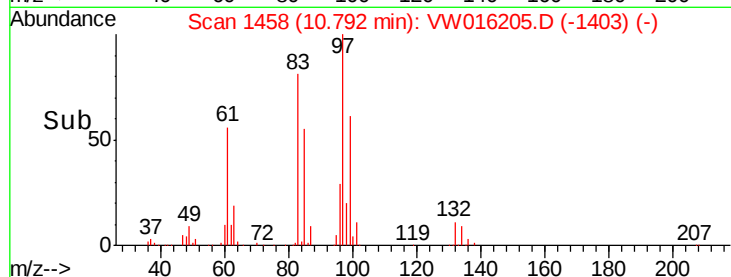
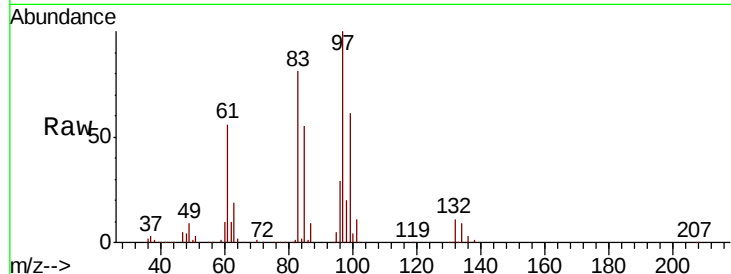




#46
1,1,2-Trichloroethane
Concen: 24.818 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.01 min
Lab File: VW016205.D
Acq: 17 Aug 2020 09:20

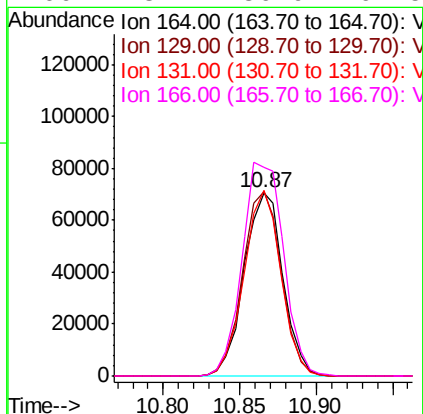
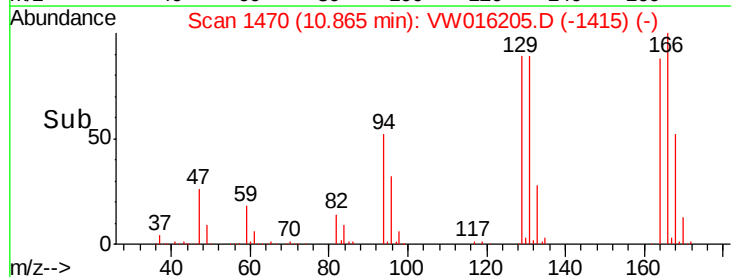
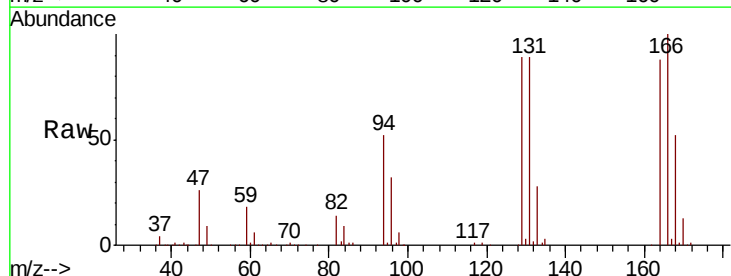
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

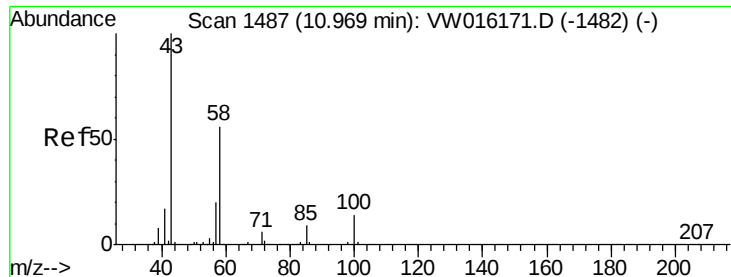
Tot Ion:	97	Resp:	112557
Ion	Ratio	Lower	Upper
97	100		
83	81.2	57.8	107.4
85	54.6	38.0	70.6
99	61.0	44.4	82.4



#47
Tetrachloroethene
Concen: 26.266 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW016205.D
Acq: 17 Aug 2020 09:20

Tgt Ion:	164	Resp:	124222
Ion	Ratio	Lower	Upper
164	100		
129	100.7	71.5	132.9
131	101.0	65.4	121.4
166	113.7	86.9	161.5

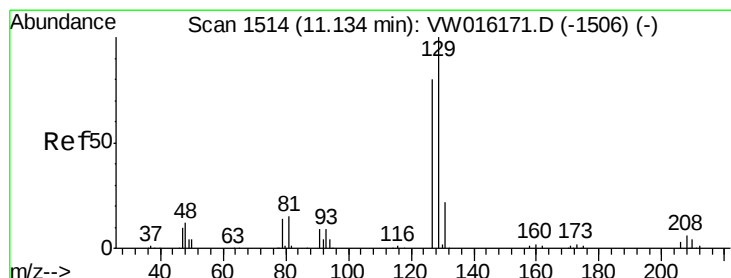
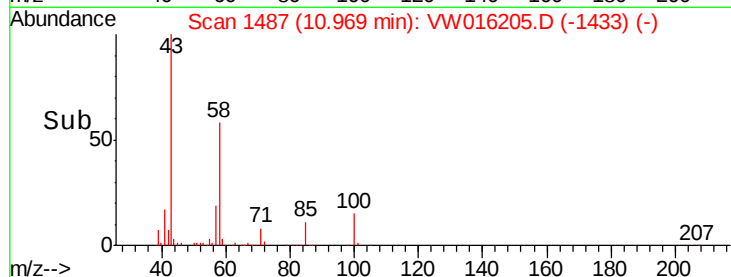
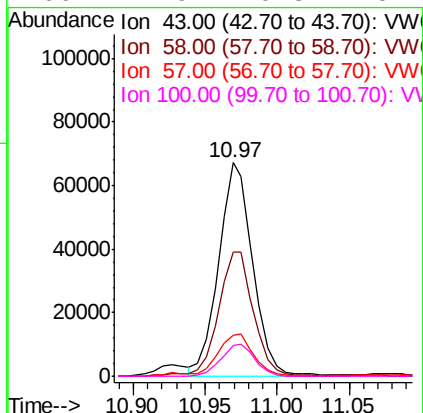
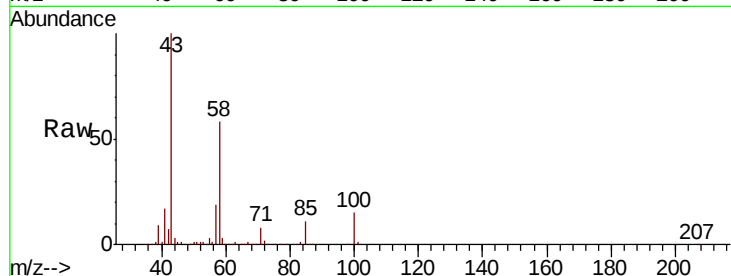




#49
2-Hexanone
Concen: 47.658 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016205.D
Acq: 17 Aug 2020 09:20

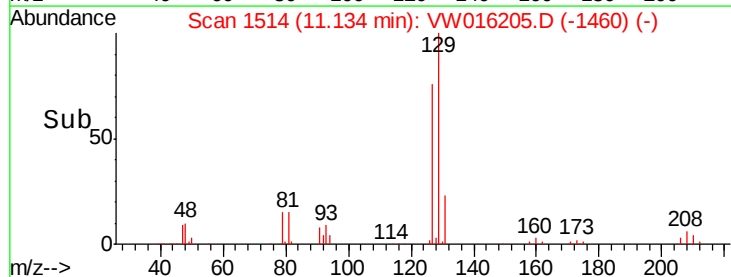
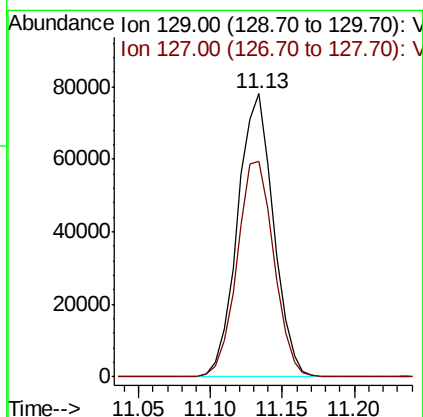
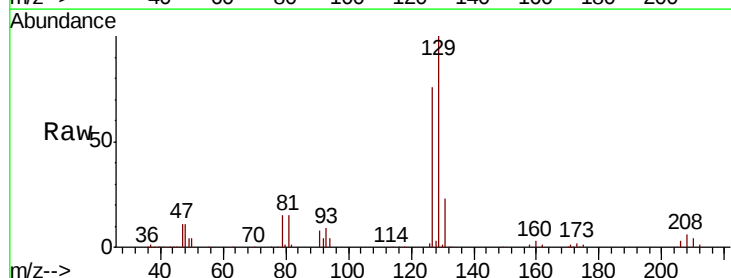
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

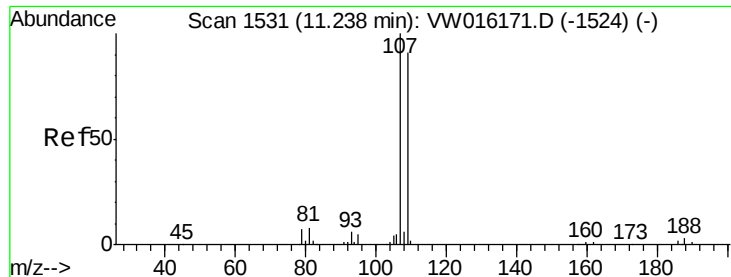
Tot Ion: 43 Resp: 111443
Ion Ratio Lower Upper
43 100
58 58.9 44.2 66.2
57 20.3 15.8 23.6
100 14.9 10.8 16.2



#50
Dibromochloromethane
Concen: 25.270 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW016205.D
Acq: 17 Aug 2020 09:20

Tgt Ion: 129 Resp: 134980
Ion Ratio Lower Upper
129 100
127 76.4 55.4 102.8

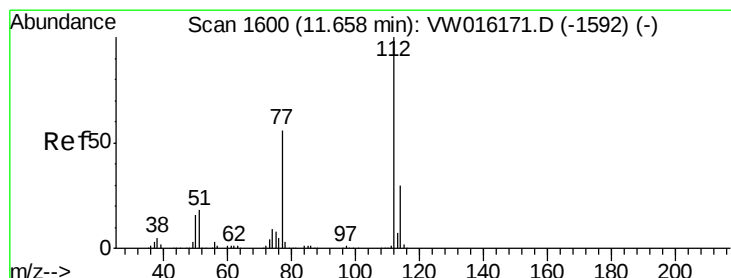
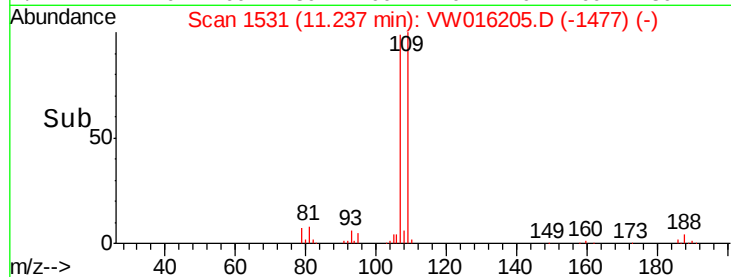
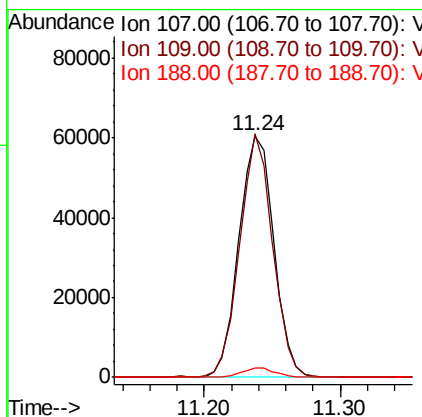
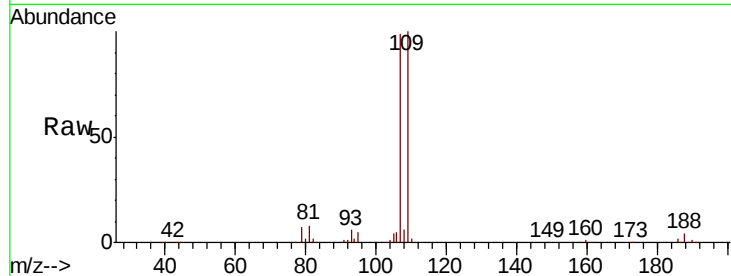




#51
1,2-Dibromoethane
Concen: 25.265 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016205.D
Acq: 17 Aug 2020 09:20

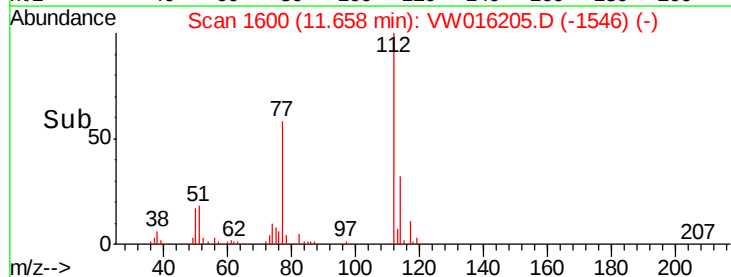
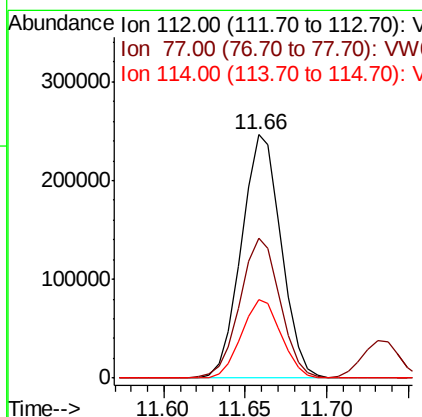
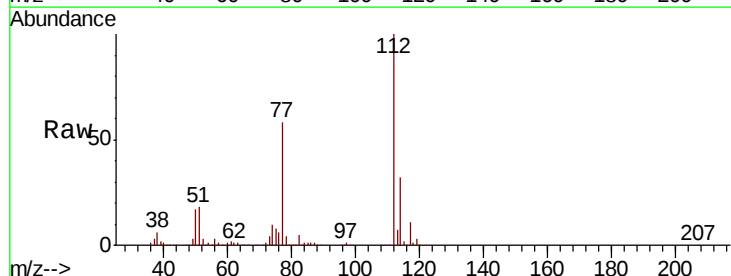
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

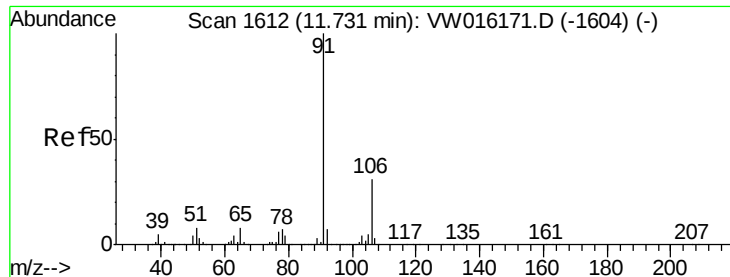
Tot Ion:107 Resp: 108630
Ion Ratio Lower Upper
107 100
109 100.8 66.0 122.6
188 3.7 2.8 4.2



#52
Chlorobenzene
Concen: 25.541 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016205.D
Acq: 17 Aug 2020 09:20

Tgt Ion:112 Resp: 418547
Ion Ratio Lower Upper
112 100
77 57.5 49.1 73.7
114 32.5 23.5 43.7





#53

Ethylbenzene

Concen: 26.487 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

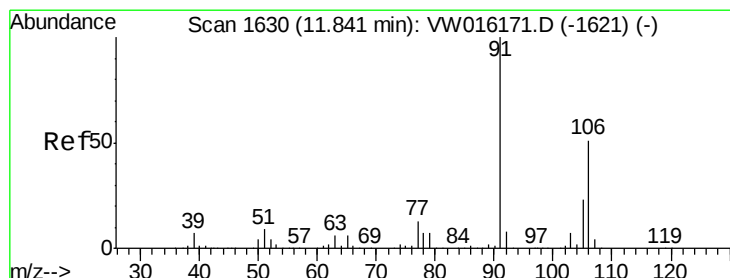
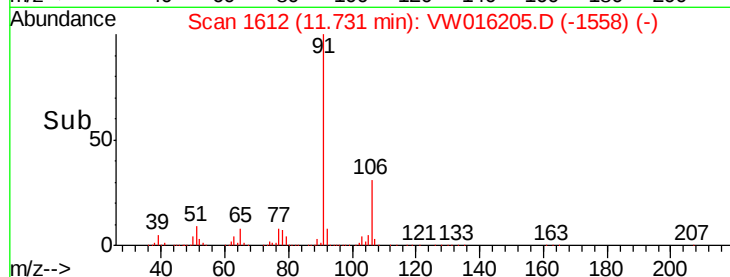
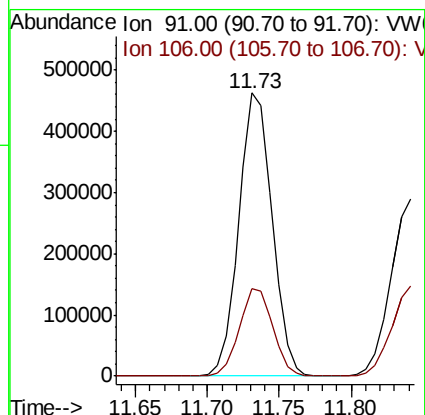
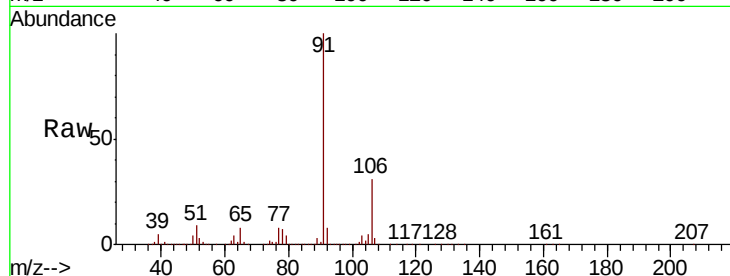
VSTD02515

Tot Ion: 91 Resp: 744298

Ion Ratio Lower Upper

91 100

106 30.9 21.8 40.4



#54

m,p-Xylene

Concen: 26.966 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016205.D

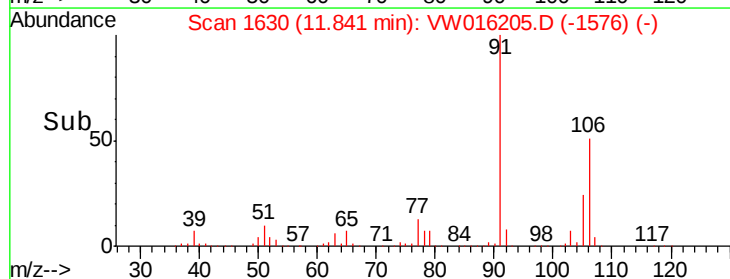
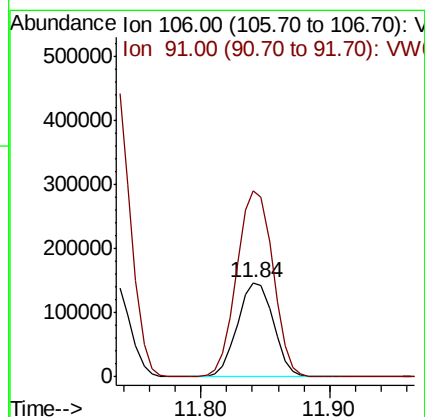
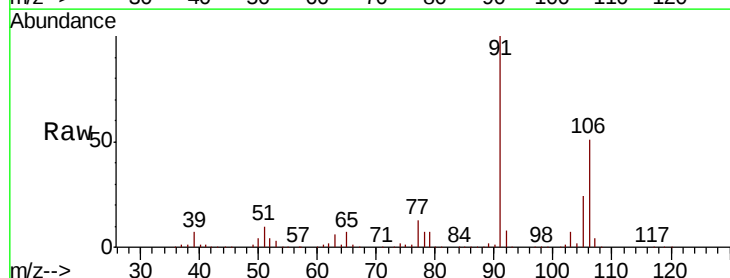
Acq: 17 Aug 2020 09:20

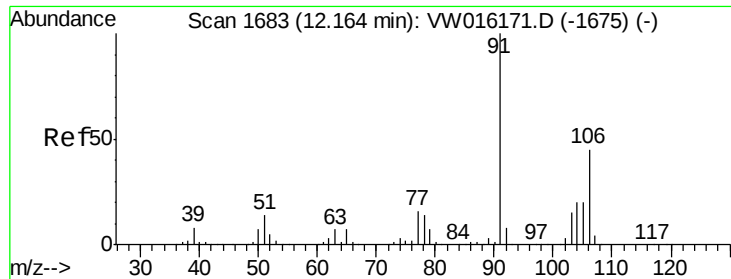
Tgt Ion: 106 Resp: 285041

Ion Ratio Lower Upper

106 100

91 196.4 136.4 253.2

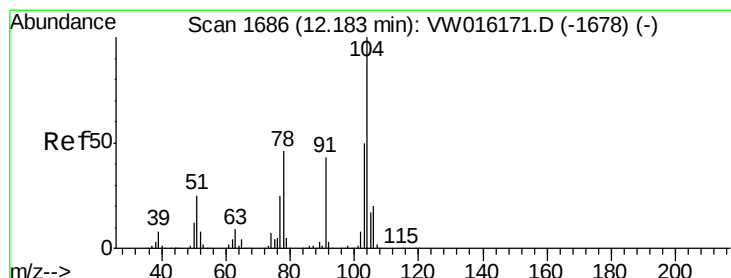
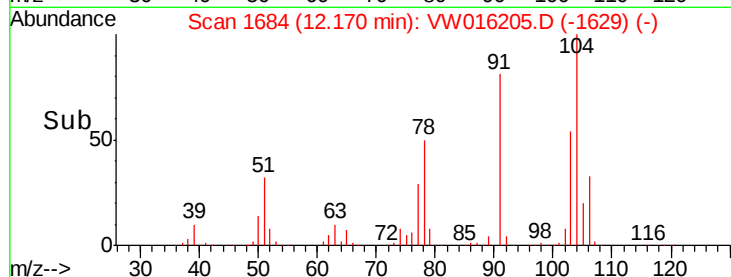
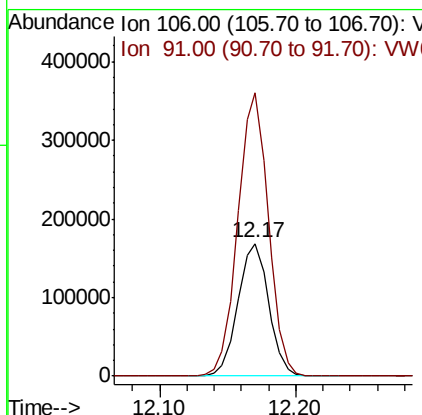
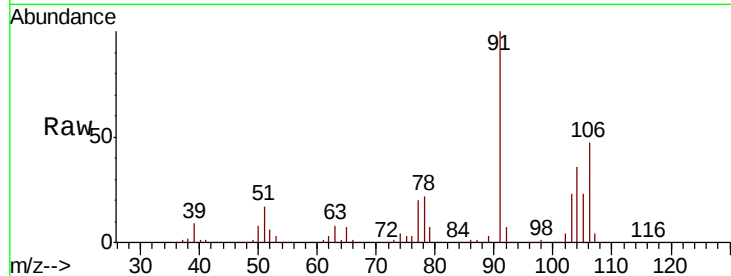




#55
o-xylene
Concen: 26.740 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016205.D
Acq: 17 Aug 2020 09:20

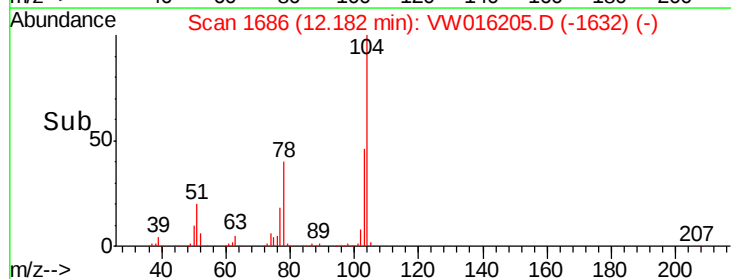
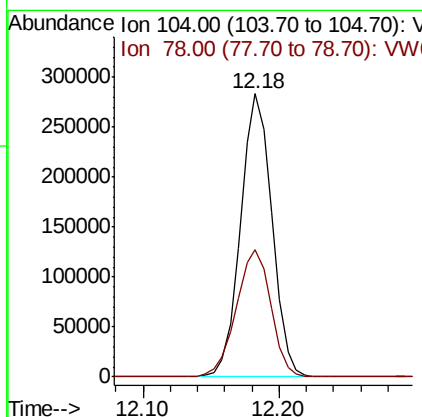
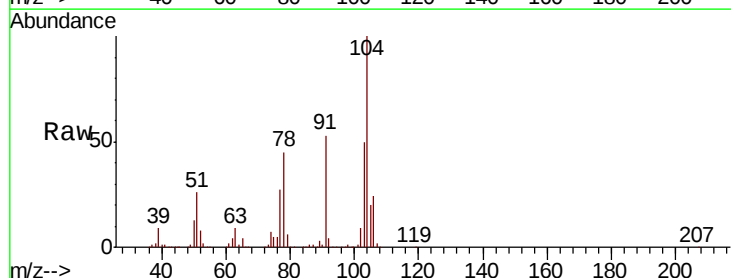
Instrument :
MSVOA_W
ClientSampled :
VSTD02515

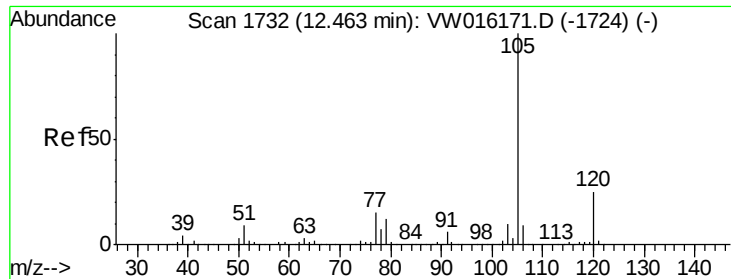
Tot Ion:106 Resp: 266241
Ion Ratio Lower Upper
106 100
91 213.1 151.3 281.1



#56
Styrene
Concen: 26.524 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016205.D
Acq: 17 Aug 2020 09:20

Tgt Ion:104 Resp: 457221
Ion Ratio Lower Upper
104 100
78 44.8 32.0 59.4





#57

Isopropylbenzene

Concen: 27.495 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

Instrument :

MSVOA_W

ClientSampleID :

VSTD02515

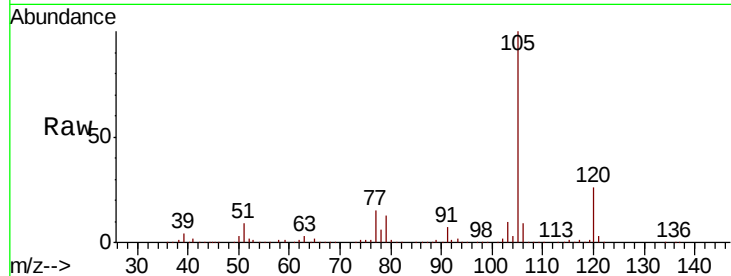
Tot Ion:105 Resp: 738090

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

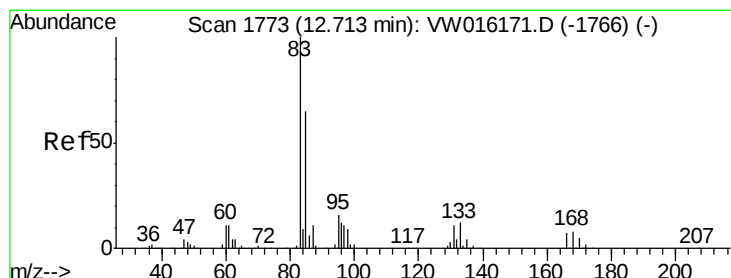
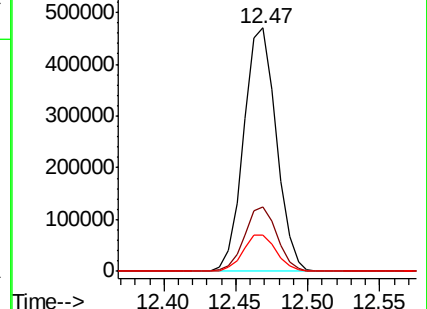
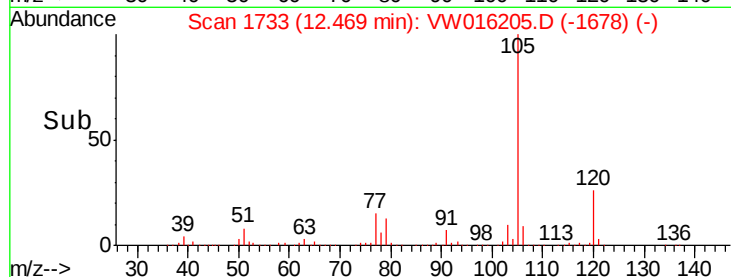
77 15.3 12.6 18.8



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



#58

1,1,2,2-Tetrachloroethane

Concen: 24.433 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

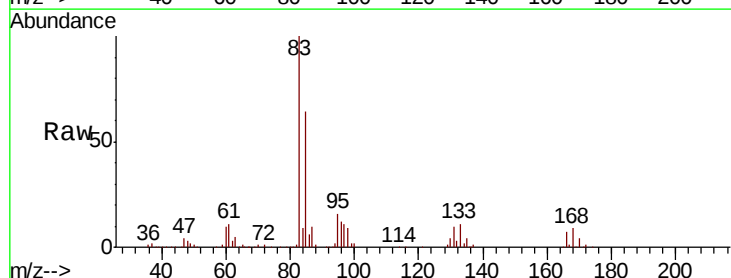
Tgt Ion: 83 Resp: 129295

Ion Ratio Lower Upper

83 100

85 63.8 42.4 78.8

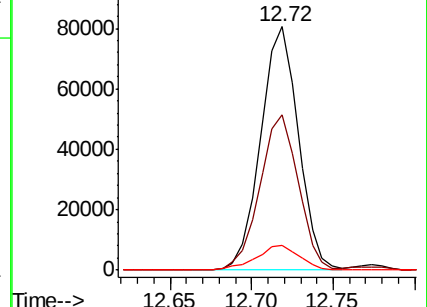
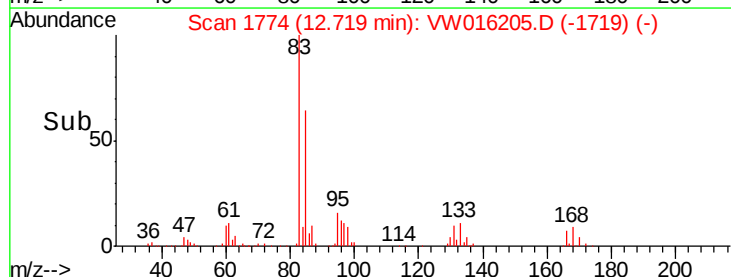
131 10.4 7.8 11.8

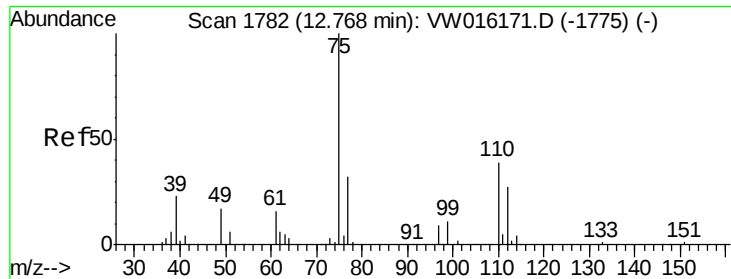


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.829 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

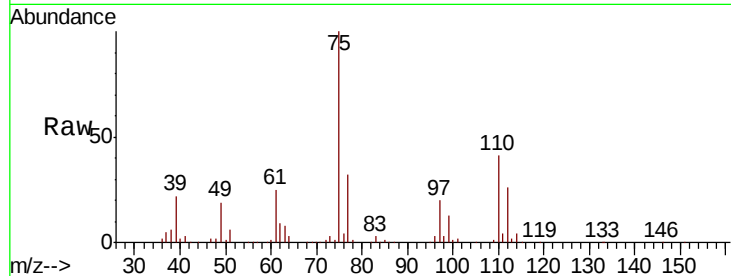
VSTD02515

Tot Ion: 75 Resp: 95528

Ion Ratio Lower Upper

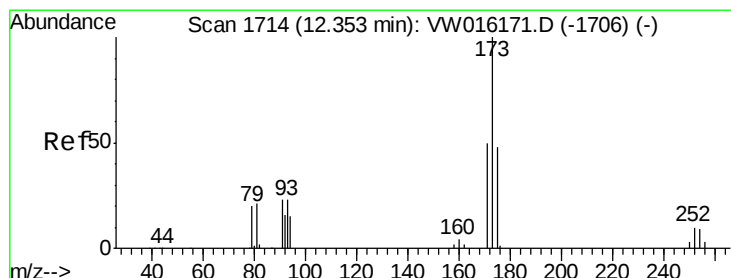
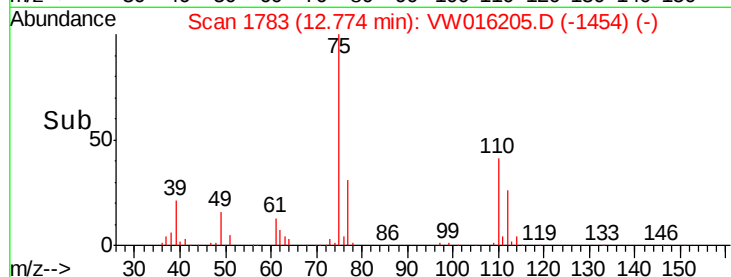
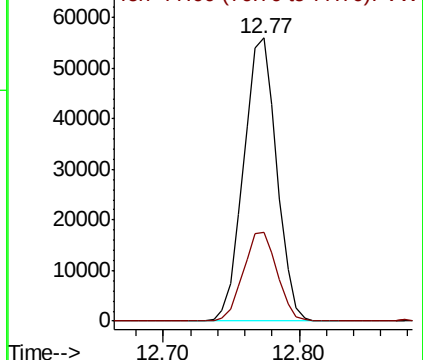
75 100

77 32.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 25.724 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

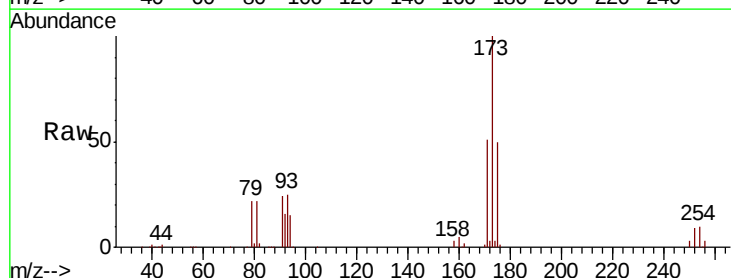
Tgt Ion: 173 Resp: 73823

Ion Ratio Lower Upper

173 100

175 47.0 37.8 56.6

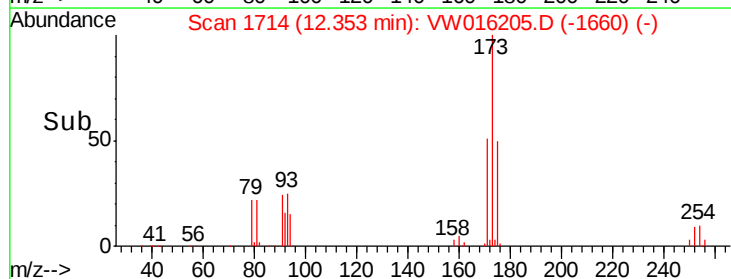
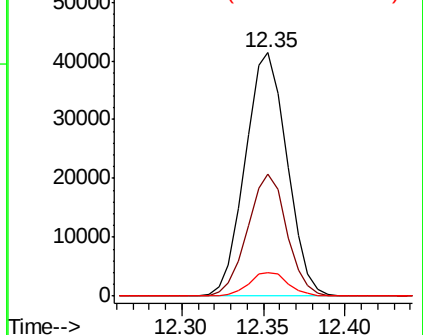
254 9.2 6.8 10.2

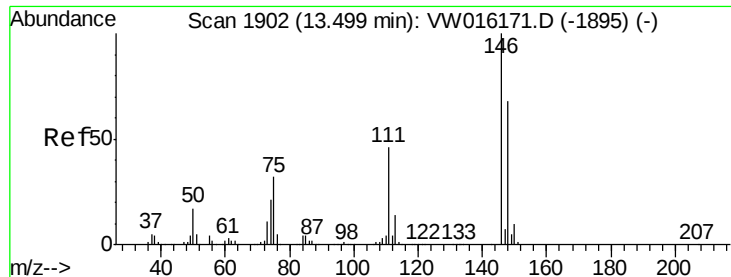


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

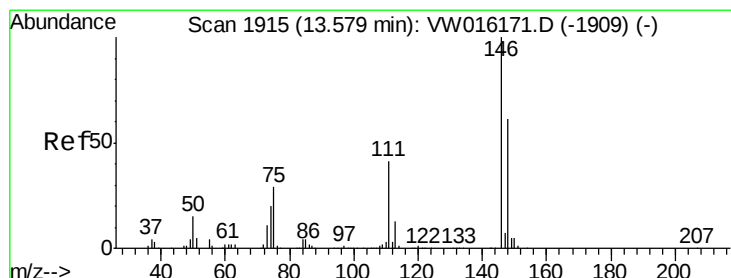
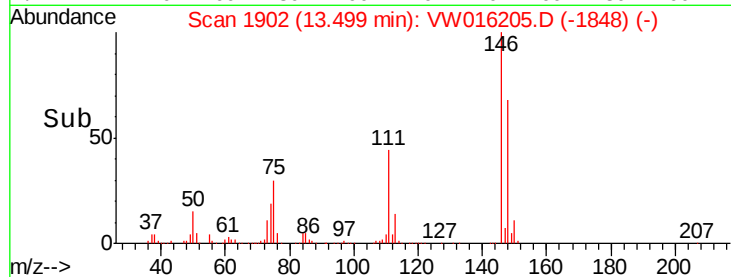
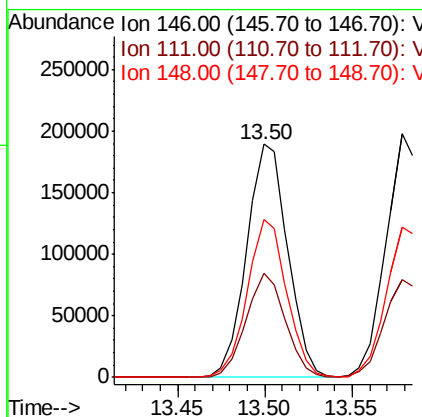
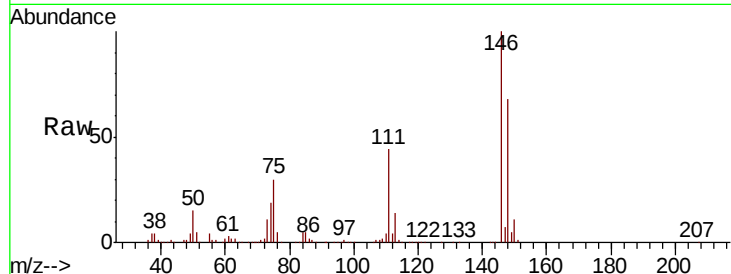




#63
 1,3-Dichlorobenzene
 Concen: 25.764 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016205.D
 Acq: 17 Aug 2020 09:20

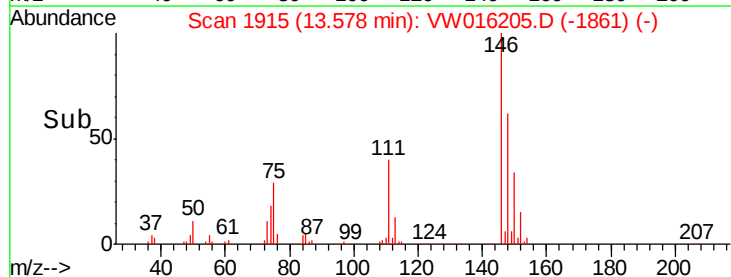
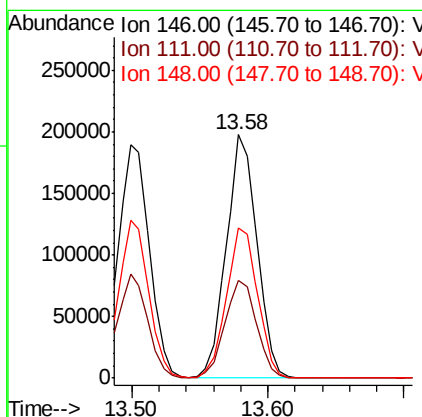
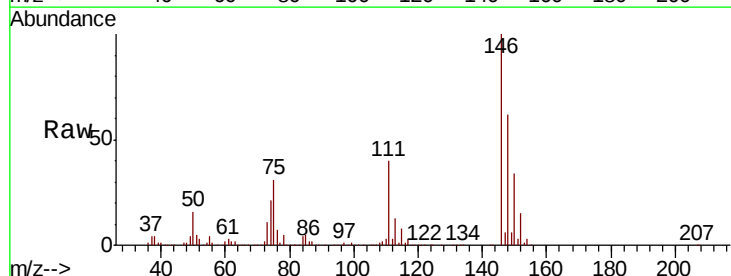
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

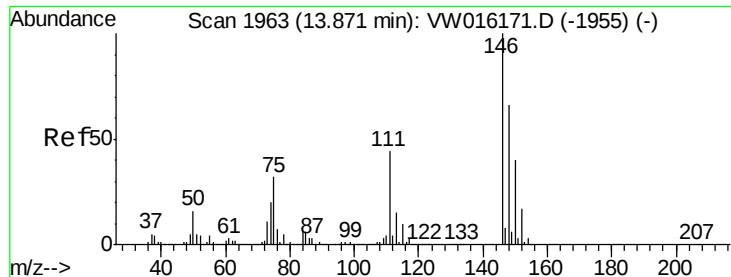
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	28.9	53.7
148	67.5	44.7	82.9



#64
 1,4-Dichlorobenzene
 Concen: 25.362 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016205.D
 Acq: 17 Aug 2020 09:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	28.6	53.2
148	61.8	47.7	88.5

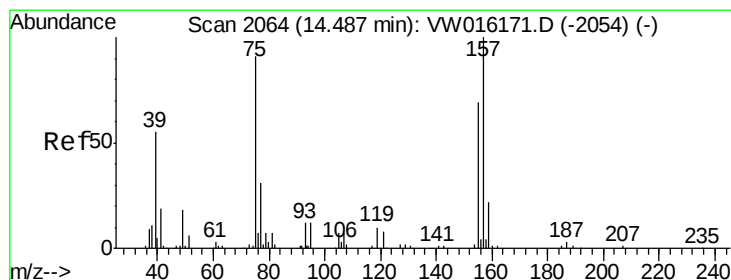
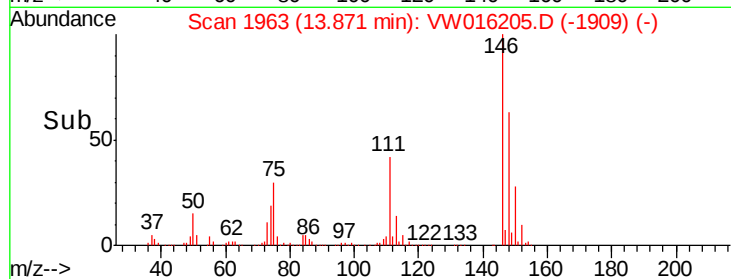
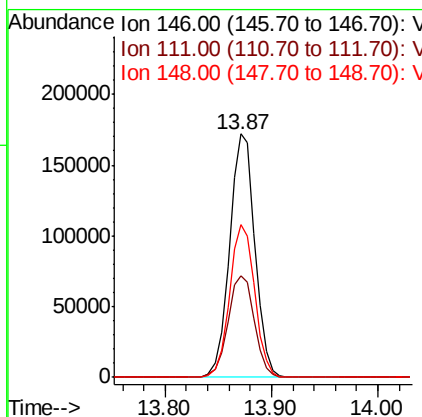
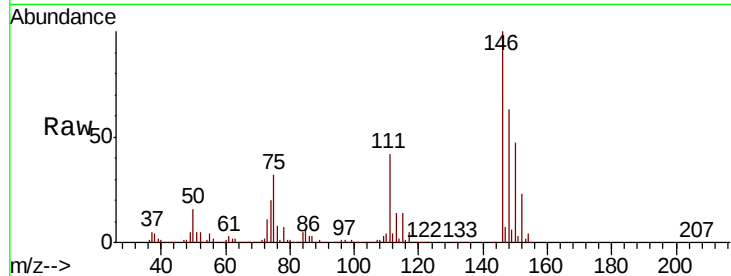




#65
 1,2-Dichlorobenzene
 Concen: 25.929 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016205.D
 Acq: 17 Aug 2020 09:20

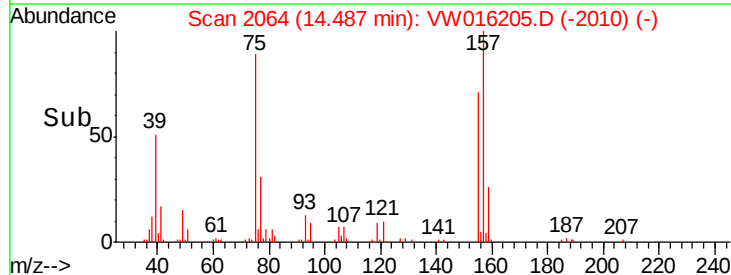
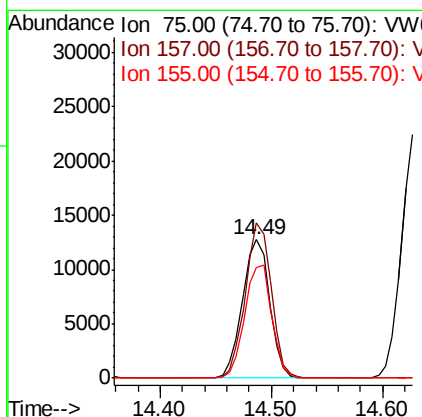
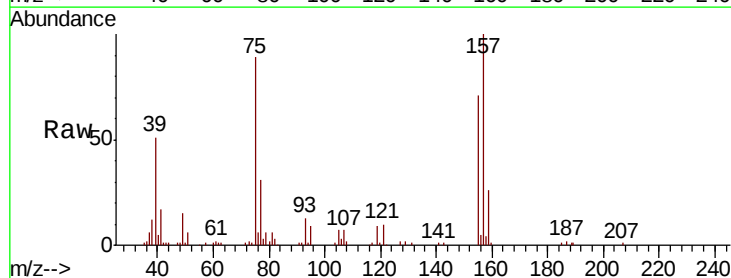
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02515

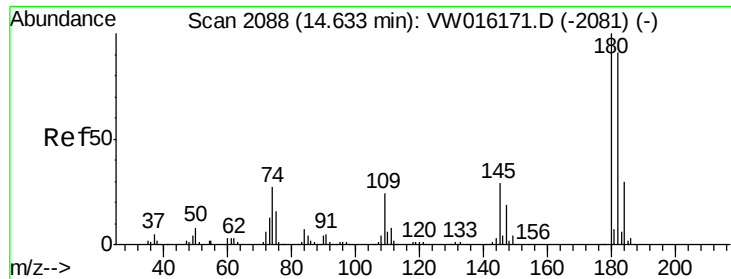
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	35.3	52.9
148	62.6	49.0	73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.533 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016205.D
 Acq: 17 Aug 2020 09:20

Tgt Ion	Ratio	Lower	Upper
75	100		
157	112.2	73.9	110.9#
155	80.1	63.4	95.2

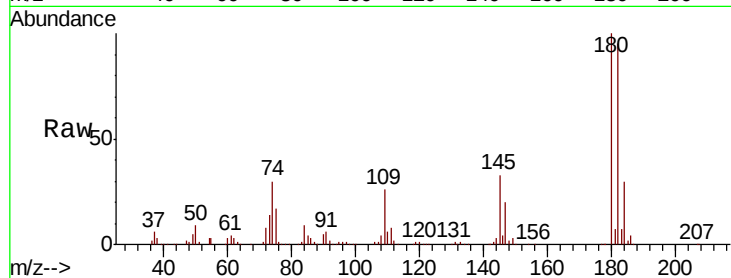




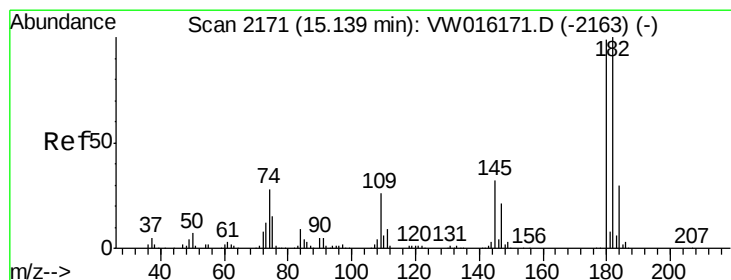
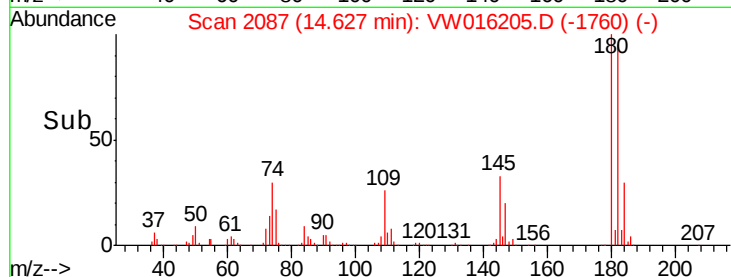
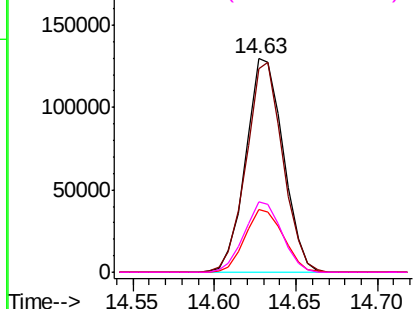
#67
 1,3,5-Trichlorobenzene
 Concen: 27.451 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016205.D
 Acq: 17 Aug 2020 09:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

Tot Ion:	180	Resp:	207627
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.3	114.5
184	30.0	25.1	37.7
145	32.9	26.9	40.3

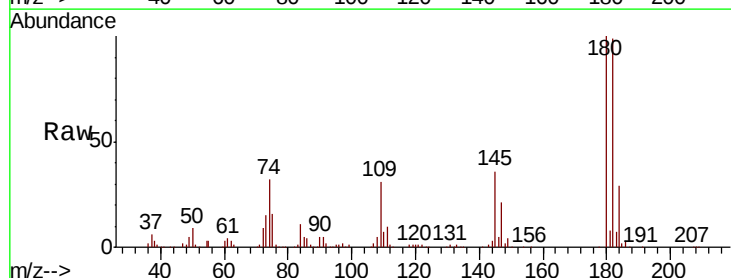


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

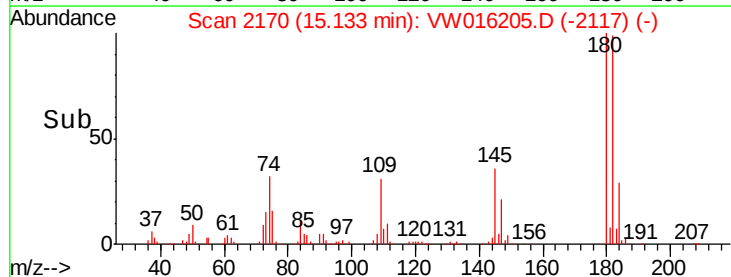
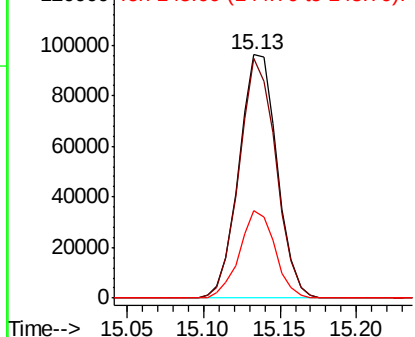


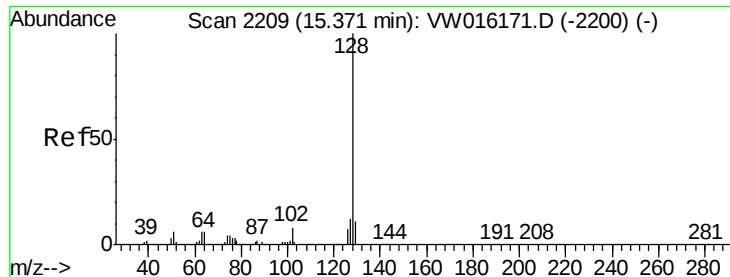
#68
 1,2,4-trichlorobenzene
 Concen: 27.008 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW016205.D
 Acq: 17 Aug 2020 09:20

Tgt Ion:	180	Resp:	165565
Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.8	116.8
145	33.6	26.5	39.7



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





#69

Naphthalene

Concen: 26.683 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

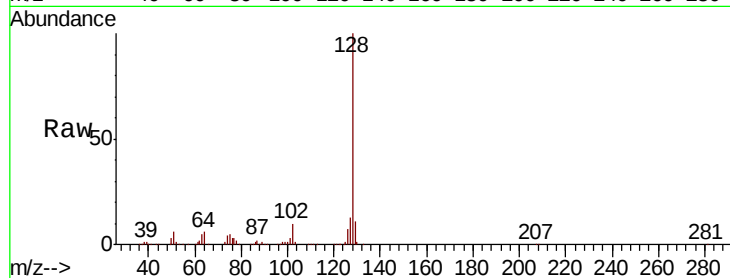
Tot Ion:128 Resp: 345263

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 13.0 10.3 15.5

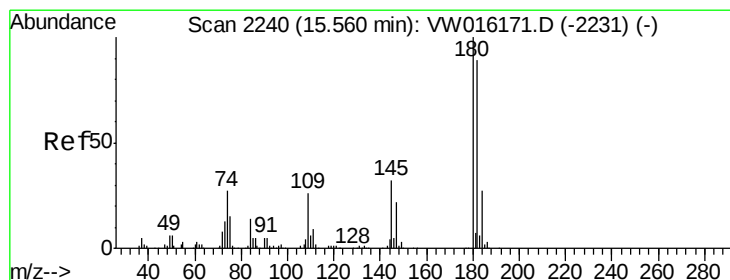
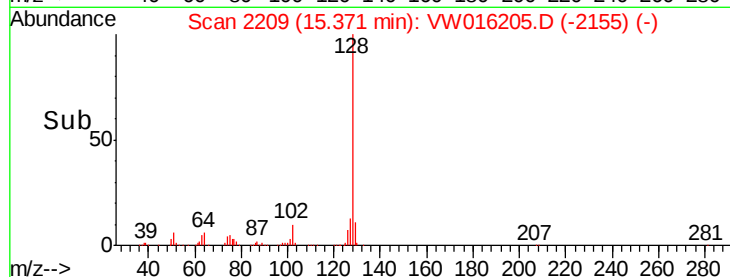
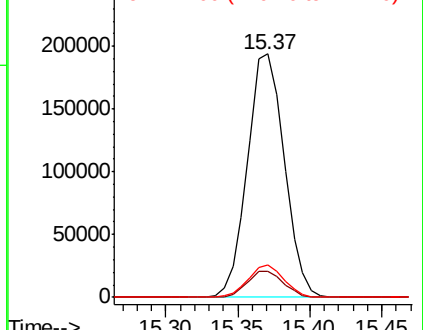


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.527 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016205.D

Acq: 17 Aug 2020 09:20

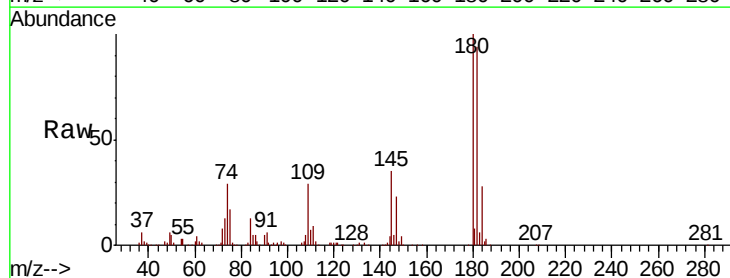
Tgt Ion:180 Resp: 147738

Ion Ratio Lower Upper

180 100

182 94.2 76.0 114.0

145 35.8 29.9 44.9



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

