

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081920\
 Data File : VW016258.D
 Acq On : 19 Aug 2020 16:08
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 20 01:42:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 20 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	358684	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	332734	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	158564	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	76770	17.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.04%
7) Chloroethane-d5	2.89	69	65570	19.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.72%
10) 1,1-Dichloroethene-d2	4.02	63	201830	21.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.48%
20) 2-Butanone-d5	7.09	46	49107	41.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.94%
24) Chloroform-d	7.65	84	216267	22.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.88%
26) 1,2-Dichloroethane-d4	8.31	65	104940	20.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.08%
29) Benzene-d6	8.28	84	410397	22.67	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.68%
33) 1,2-Dichloropropane-d6	9.27	67	118995	22.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.44%
37) Toluene-d8	10.33	98	382011	23.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.04%
38) trans-1,3-Dichloropropene-	10.58	79	51930	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.84%
39) 2-Hexanone-d5	10.93	63	41549	45.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	102276	23.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	133919	23.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	102119	28.183	ug/L 95
3) Chloromethane	2.21	50	79655	22.137	ug/L 92
5) Vinyl chloride	2.37	62	117123	24.525	ug/L 98
6) Bromomethane	2.79	94	73897	24.706	ug/L 99
8) Chloroethane	2.93	64	66706	24.805	ug/L 98
9) Trichlorofluoromethane	3.26	101	106100	31.124	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	132649	27.535	ug/L 97
12) 1,1-Dichloroethene	4.03	96	129169	28.058	ug/L 89
13) Acetone	4.13	43	40681	45.956	ug/L 91
14) Carbon disulfide	4.38	76	384170	26.585	ug/L 98
15) Methyl Acetate	4.67	43	44298	21.283	ug/L 97
16) Methylene chloride	4.92	84	152995	27.013	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	168596	25.843	ug/L 98
18) trans-1,2-Dichloroethene	5.43	96	132657	27.394	ug/L 88
19) 1,1-Dichloroethane	6.22	63	217699	25.408	ug/L 99
21) 2-Butanone	7.18	43	59286	42.258	ug/L 94
22) cis-1,2-Dichloroethene	7.17	96	137878	26.990	ug/L 97

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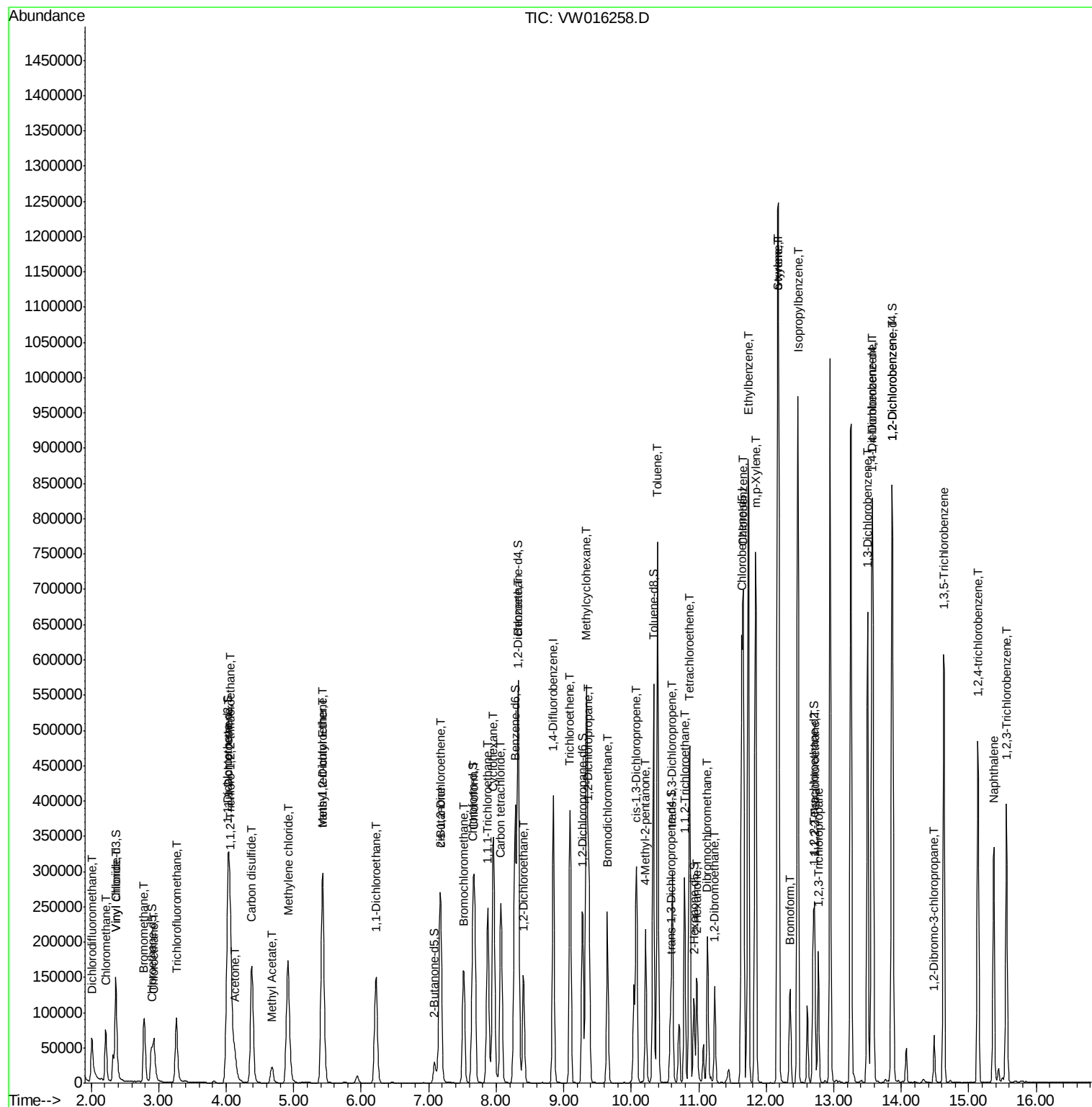
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	63104	26.915	uq/L	88
25) Chloroform	7.68	83	235076	25.789	uq/L	99
27) 1,2-Dichloroethane	8.40	62	139419	22.961	uq/L	99
30) Cyclohexane	7.96	56	197986	27.347	uq/L	97
31) 1,1,1-Trichloroethane	7.88	97	207541	27.145	uq/L	98
32) Carbon tetrachloride	8.07	117	195519	27.038	uq/L	96
34) Benzene	8.33	78	514500	26.814	uq/L	100
35) Trichloroethene	9.09	95	137700	26.689	uq/L	95
36) Methylcyclohexane	9.34	83	243179	28.612	uq/L	96
40) 1,2-Dichloropropane	9.37	63	121326	25.749	uq/L	98
41) Bromodichloromethane	9.65	83	164738	25.450	uq/L	98
42) cis-1,3-Dichloropropene	10.07	75	191318	26.661	uq/L	98
43) 4-Methyl-2-pentanone	10.21	43	129664	45.751	uq/L	96
44) Toluene	10.39	91	564411	27.865	uq/L	98
45) trans-1,3-Dichloropropene	10.61	75	165817	25.723	uq/L	99
46) 1,1,2-Trichloroethane	10.79	97	95831	25.837	uq/L	99
47) Tetrachloroethene	10.87	164	111379	28.796	uq/L	95
49) 2-Hexanone	10.97	43	89182	46.634	uq/L	96
50) Dibromochloromethane	11.13	129	114945	26.312	uq/L	99
51) 1,2-Dibromoethane	11.24	107	92610	26.337	uq/L	100
52) Chlorobenzene	11.66	112	364425	27.192	uq/L	98
53) Ethylbenzene	11.73	91	638797	27.797	uq/L	99
54) m,p-Xylene	11.84	106	248421	28.737	uq/L	94
55) o-xylene	12.17	106	229424	28.176	uq/L	99
56) Styrene	12.18	104	405976	28.798	uq/L	98
57) Isopropylbenzene	12.47	105	635423	28.944	uq/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	108257	25.015	uq/L	94
59) 1,2,3-Trichloropropane	12.77	75	79593	24.276	uq/L	99
62) Bromoform	12.35	173	64250	26.796	uq/L	99
63) 1,3-Dichlorobenzene	13.50	146	283068	28.264	uq/L	98
64) 1,4-Dichlorobenzene	13.58	146	277888	27.238	uq/L	93
65) 1,2-Dichlorobenzene	13.87	146	254680	27.736	uq/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	17061	21.189	uq/L #	84
67) 1,3,5-Trichlorobenzene	14.63	180	191808	30.352	uq/L	98
68) 1,2,4-trichlorobenzene	15.14	180	151463	29.572	uq/L	98
69) Naphthalene	15.37	128	288496	26.685	uq/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	136418	29.317	uq/L	99

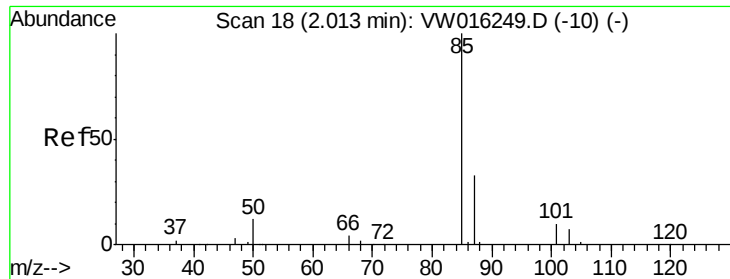
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 28.183 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

Instrument :

MSVOA_W

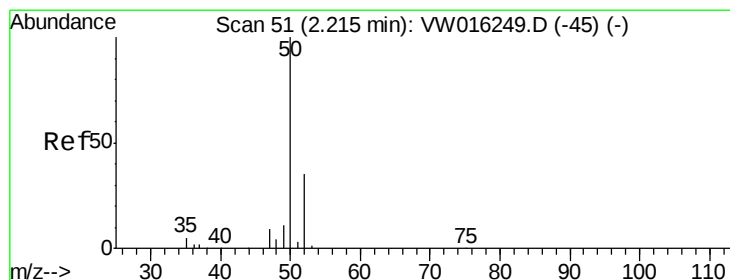
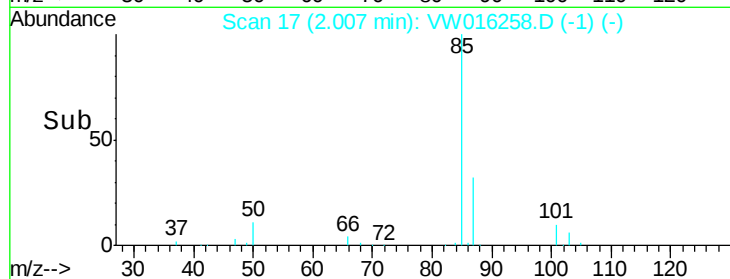
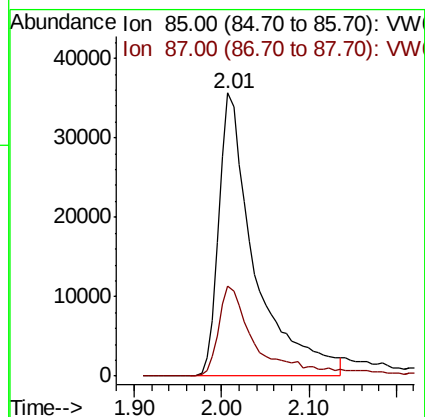
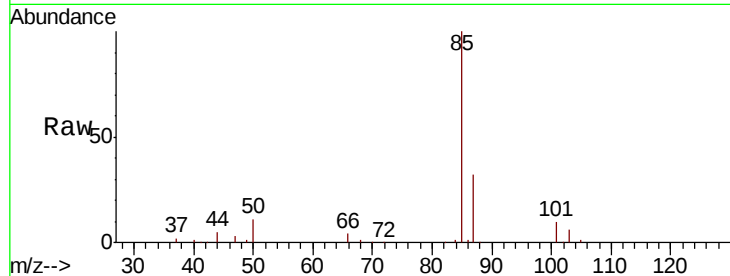
ClientSampleId :

Tot Ion: 85 Resp: 102119

Ion Ratio Lower Upper

85 100

87 28.7 22.0 41.0



#3

Chloromethane

Concen: 22.137 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016258.D

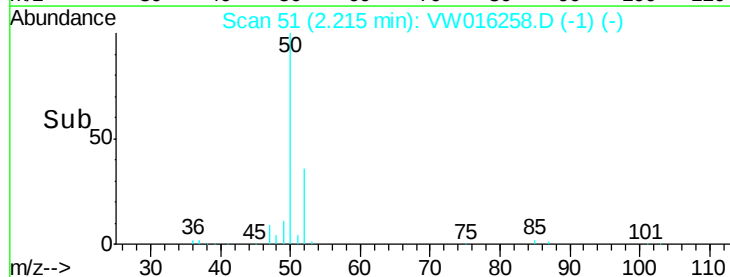
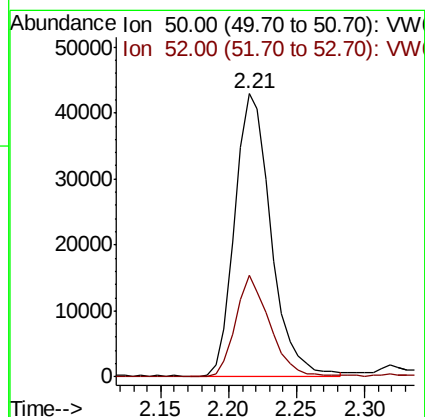
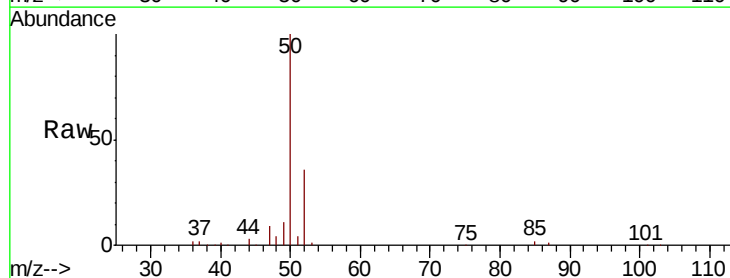
Acq: 19 Aug 2020 16:08

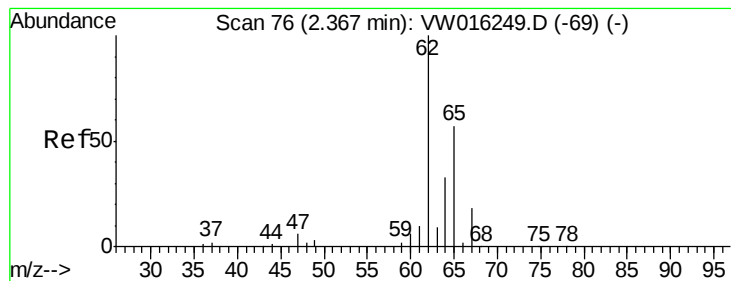
Tgt Ion: 50 Resp: 79655

Ion Ratio Lower Upper

50 100

52 36.1 22.0 40.8





#5

Vinyl chloride

Concen: 24.525 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

Instrument :

MSVOA_W

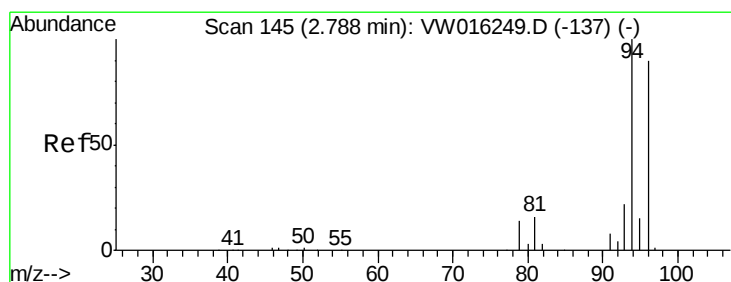
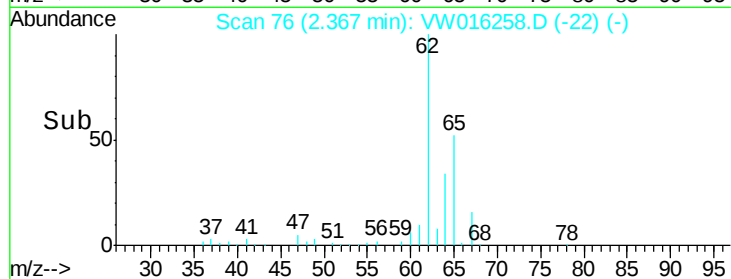
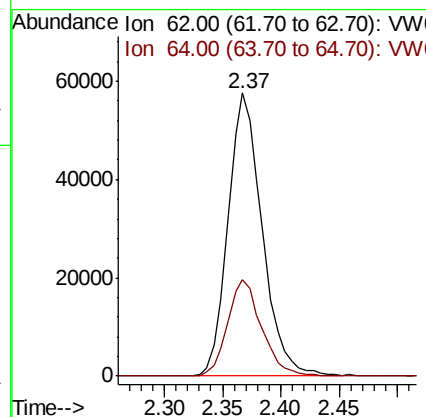
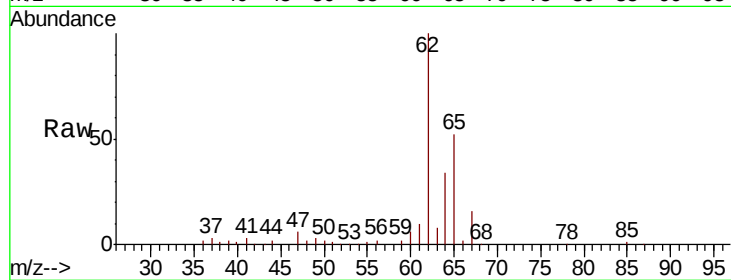
ClientSampleId :

Tot Ion: 62 Resp: 117123

Ion Ratio Lower Upper

62 100

64 33.9 23.0 42.8



#6

Bromomethane

Concen: 24.706 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016258.D

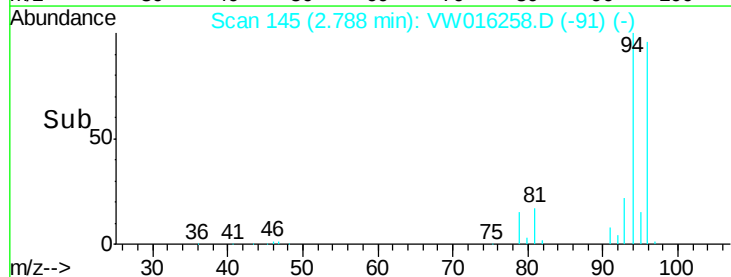
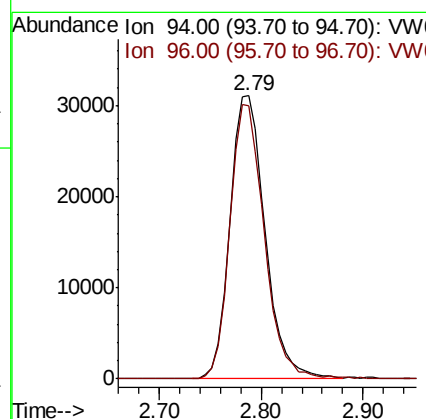
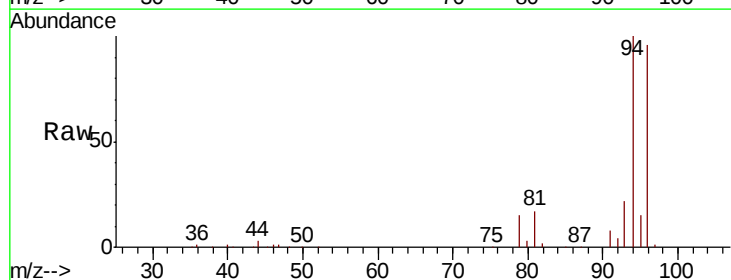
Acq: 19 Aug 2020 16:08

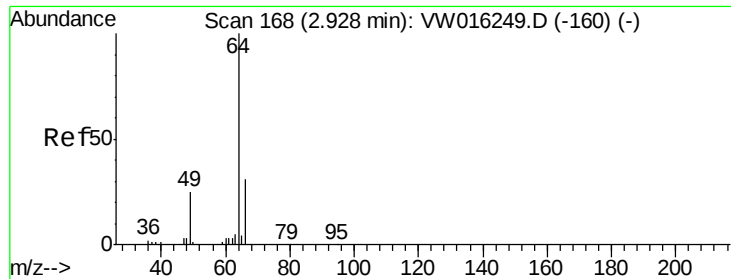
Tgt Ion: 94 Resp: 73897

Ion Ratio Lower Upper

94 100

96 94.5 9.4 178.2

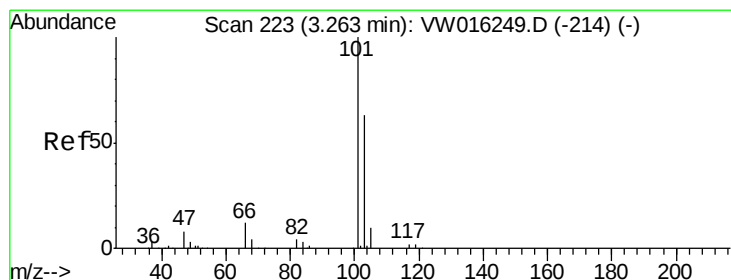
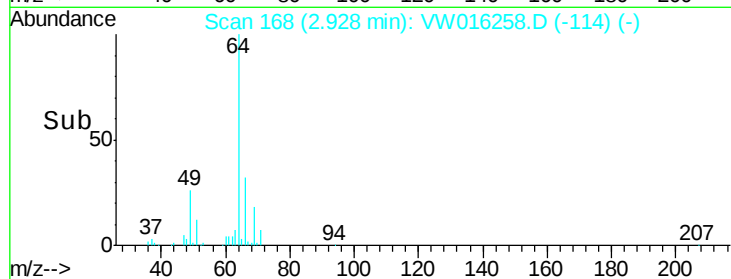
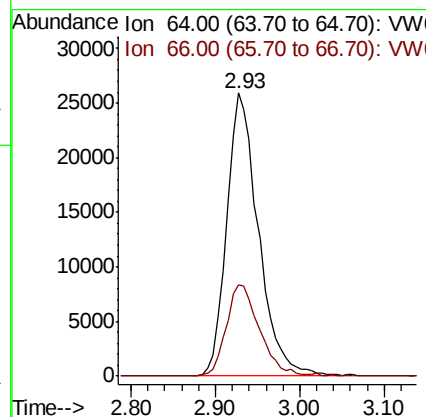
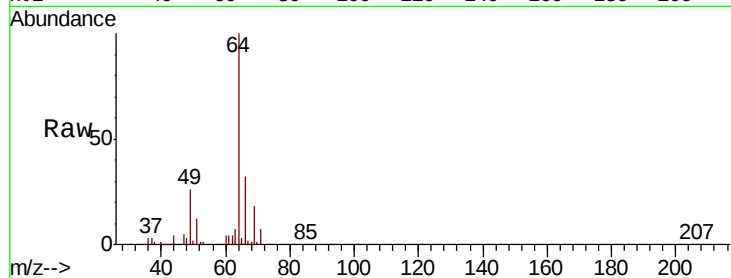




#8
Chloroethane
Concen: 24.805 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW016258.D
Acq: 19 Aug 2020 16:08

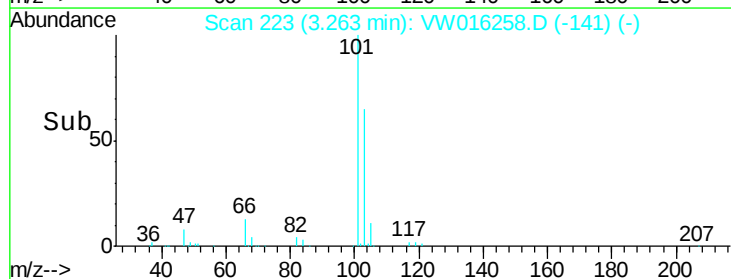
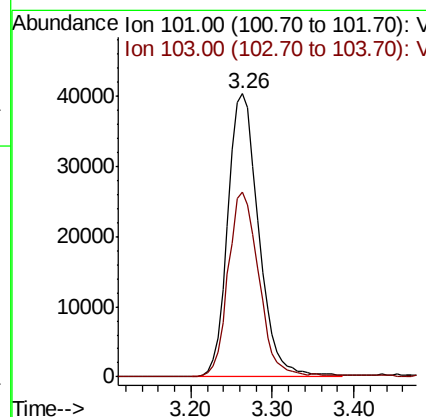
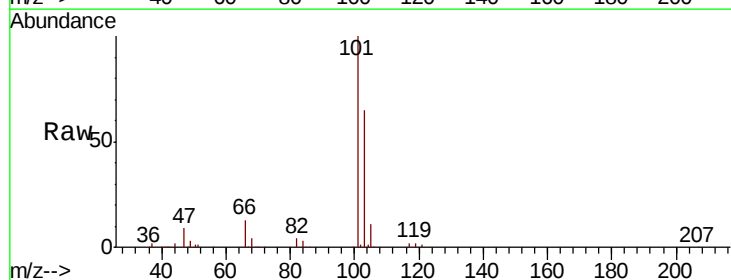
Instrument :
MSVOA_W
ClientSampled :

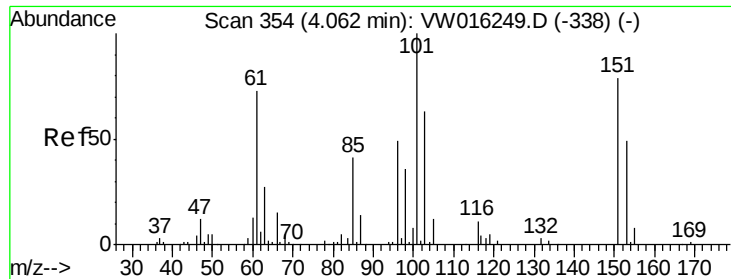
Tot Ion: 64 Resp: 66706
Ion Ratio Lower Upper
64 100
66 32.1 21.8 40.4



#9
Trichlorofluoromethane
Concen: 31.124 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW016258.D
Acq: 19 Aug 2020 16:08

Tgt Ion: 101 Resp: 106100
Ion Ratio Lower Upper
101 100
103 64.1 45.6 84.6





#11

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

Concen: 27.535 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

Instrument :

MSVOA_W

ClientSampled :

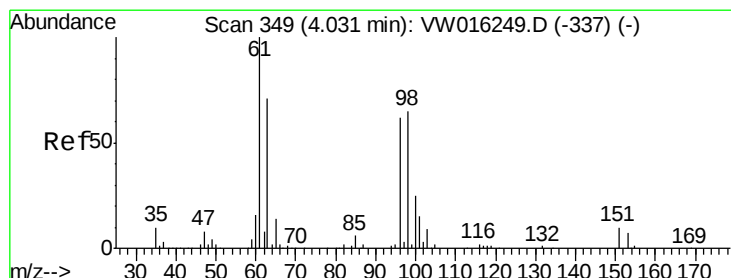
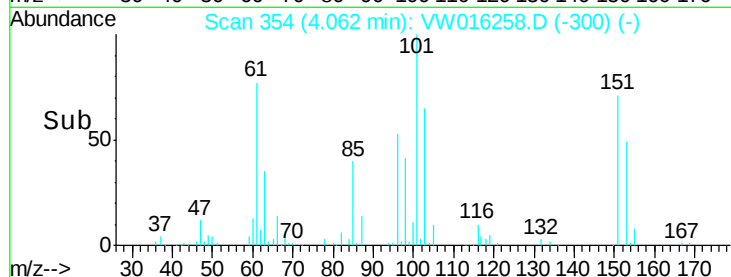
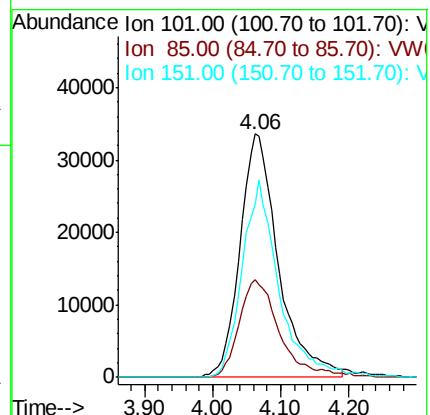
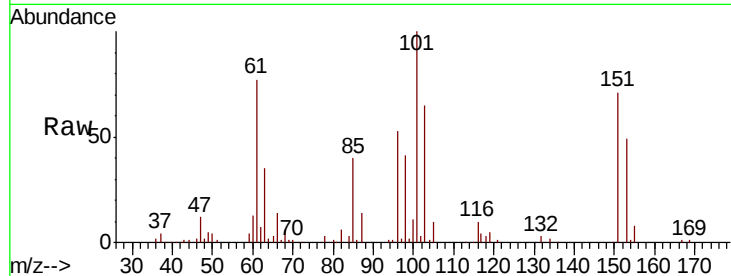
Tot Ion:101 Resp: 132649

Ion Ratio Lower Upper

101 100

85 40.3 34.2 51.4

151 74.3 57.4 86.2



#12

1,1-Dichloroethene

Concen: 28.058 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

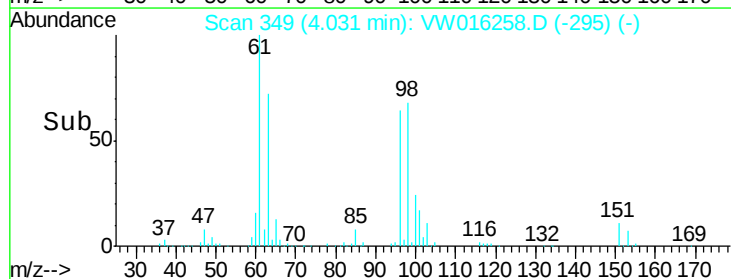
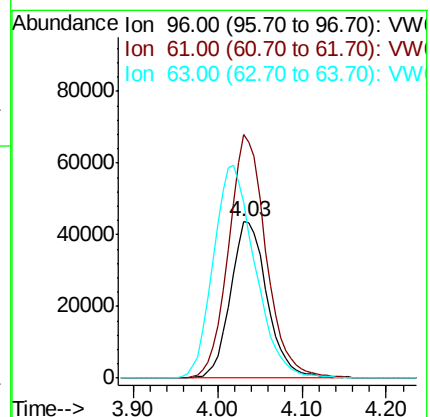
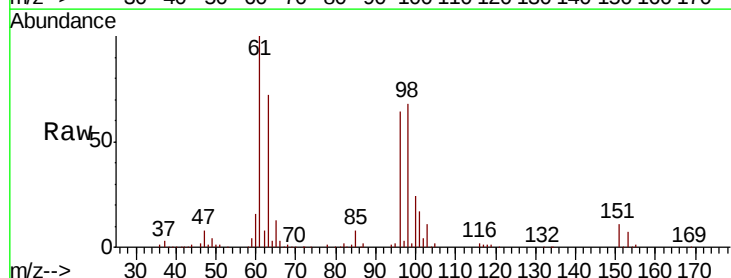
Tgt Ion: 96 Resp: 129169

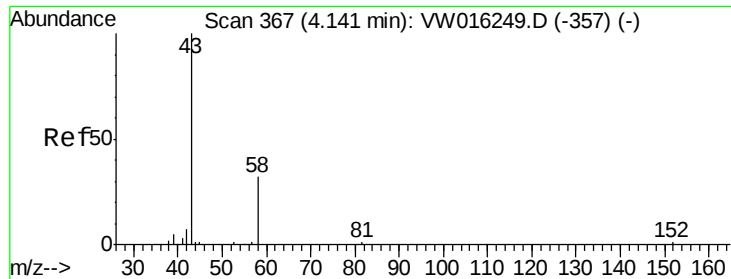
Ion Ratio Lower Upper

96 100

61 155.6 120.2 223.2

63 112.1 86.4 160.4





#13

Acetone

Concen: 45.956 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

Instrument :

MSVOA_W

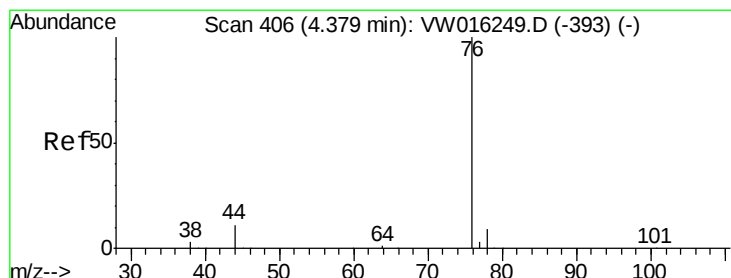
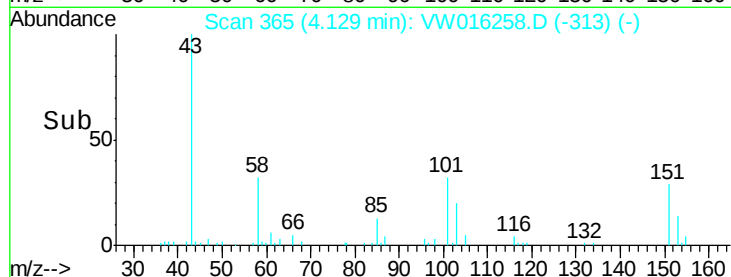
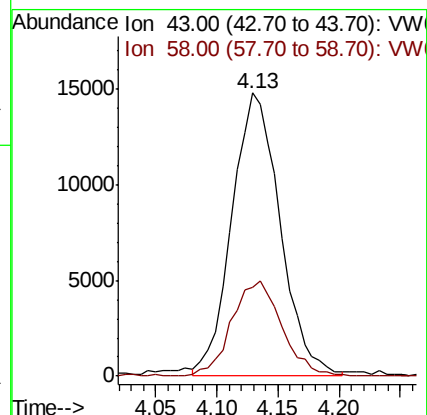
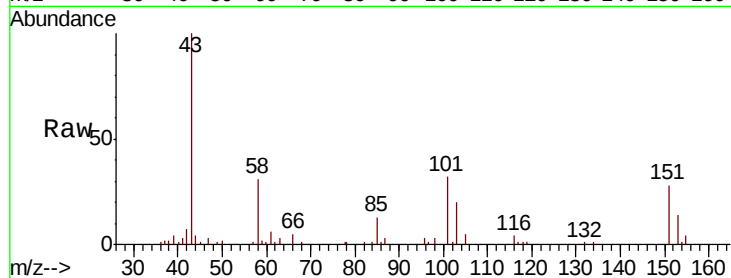
ClientSampled :

Tot Ion: 43 Resp: 40681

Ion Ratio Lower Upper

43 100

58 34.6 0.0 59.4



#14

Carbon disulfide

Concen: 26.585 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW016258.D

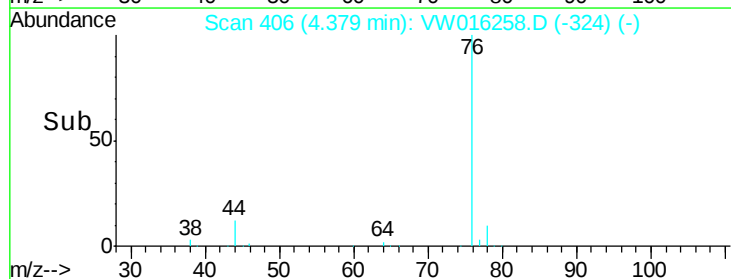
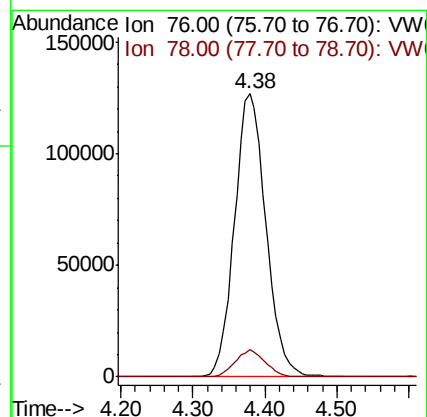
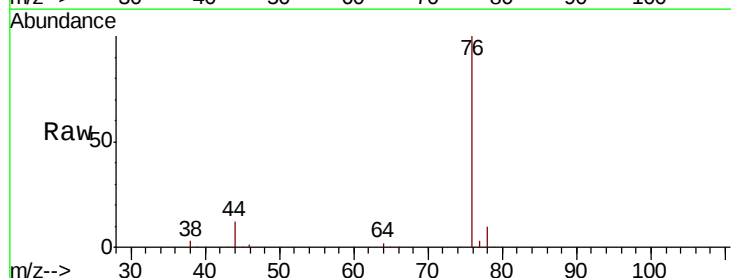
Acq: 19 Aug 2020 16:08

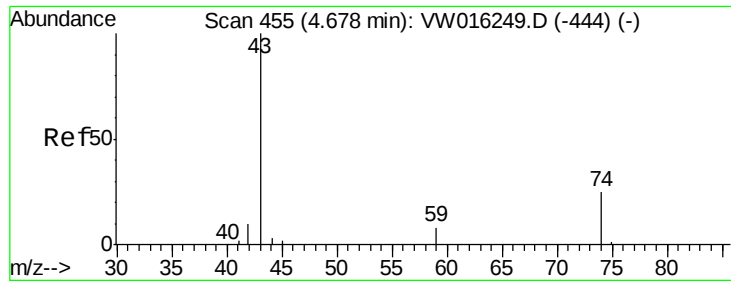
Tgt Ion: 76 Resp: 384170

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.4

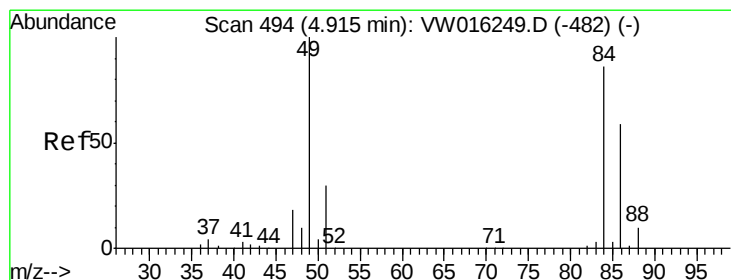
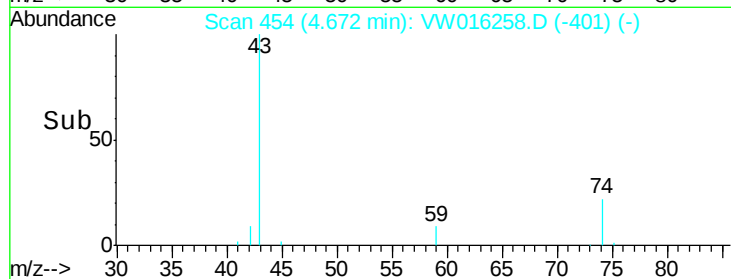
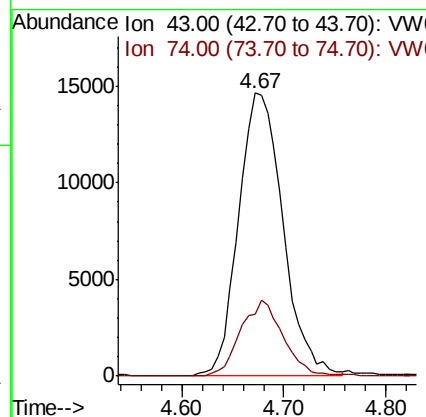
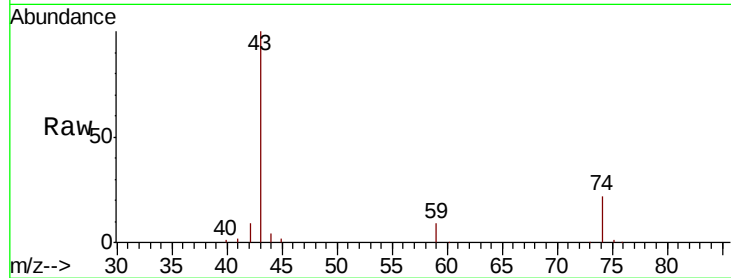




#15
Methvl Acetate
Concen: 21.283 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW016258.D
Acq: 19 Aug 2020 16:08

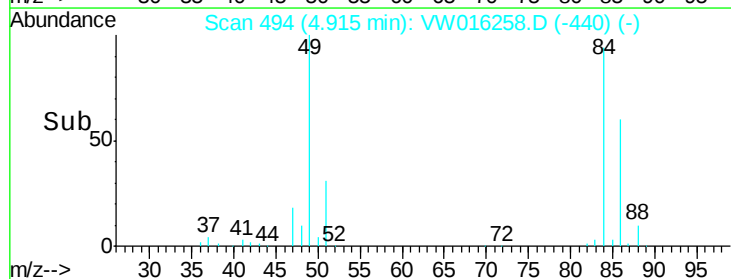
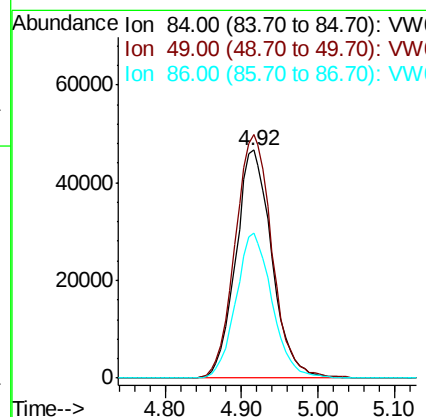
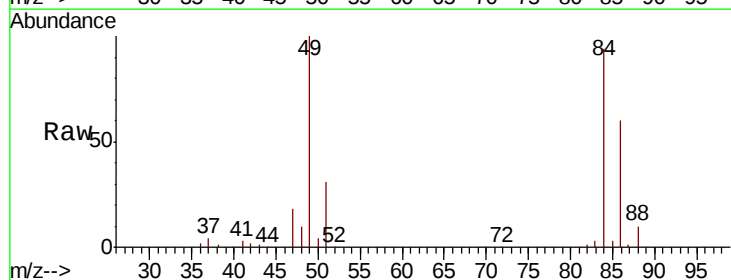
Instrument :
MSVOA_W
ClientSampleId :

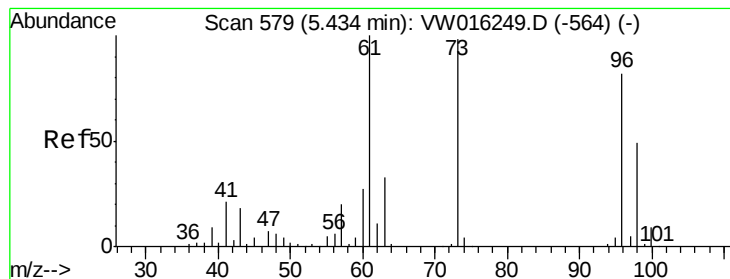
Tot Ion: 43 Resp: 44298
Ion Ratio Lower Upper
43 100
74 25.2 18.9 28.3



#16
Methylene chloride
Concen: 27.013 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016258.D
Acq: 19 Aug 2020 16:08

Tgt Ion: 84 Resp: 152995
Ion Ratio Lower Upper
84 100
49 106.9 80.4 149.4
86 63.8 43.8 81.3



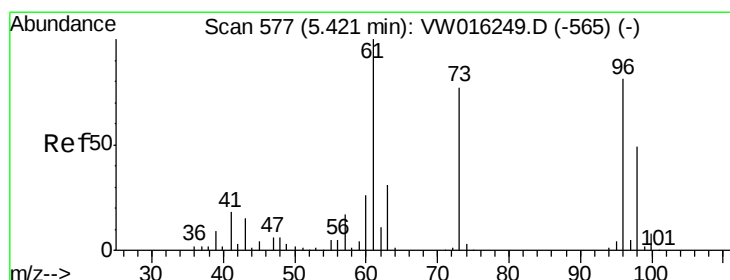
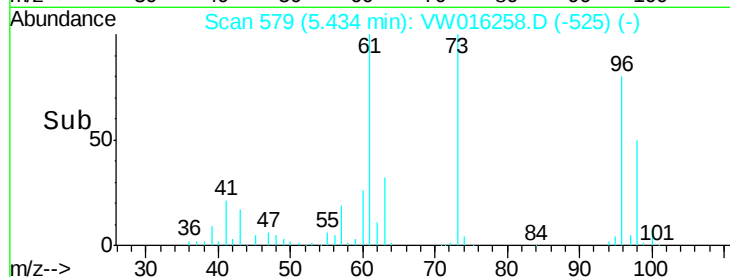
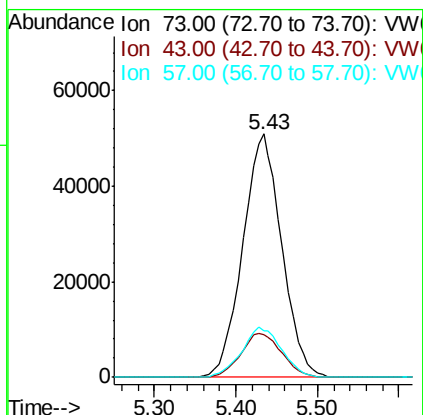
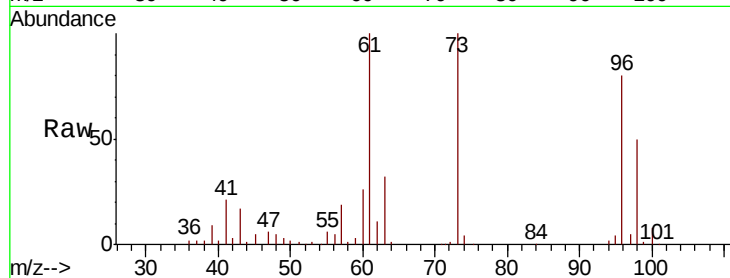


#17

Methvl tert-butvl Ether
 Concen: 25.843 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

Instrument :
 MSVOA_W
 ClientSampleId :

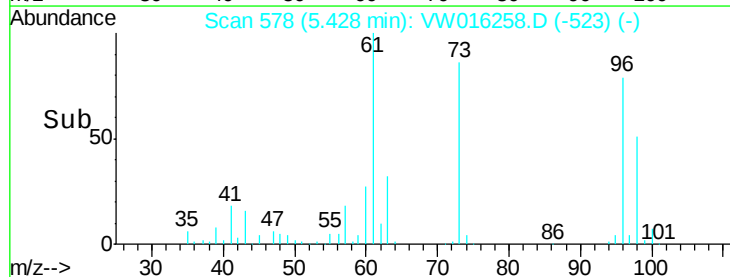
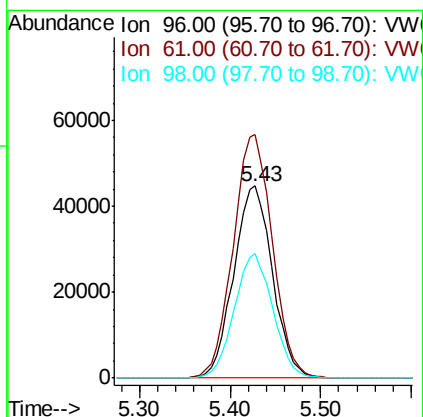
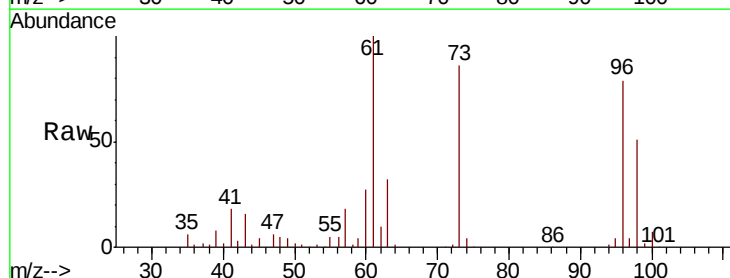
Tot Ion: 73 Resp: 168596
 Ion Ratio Lower Upper
 73 100
 43 18.8 16.6 24.8
 57 21.1 17.1 25.7

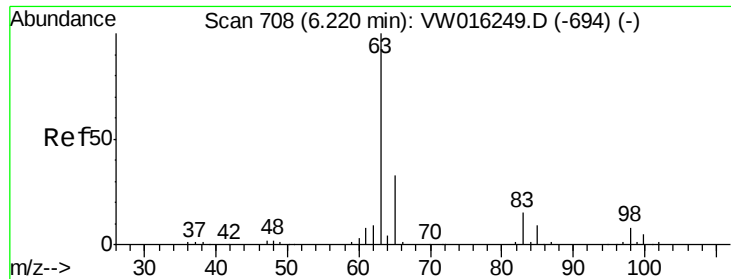


#18

trans-1,2-Dichloroethene
 Concen: 27.394 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

Tgt Ion: 96 Resp: 132657
 Ion Ratio Lower Upper
 96 100
 61 126.7 101.6 188.8
 98 64.5 47.7 88.7

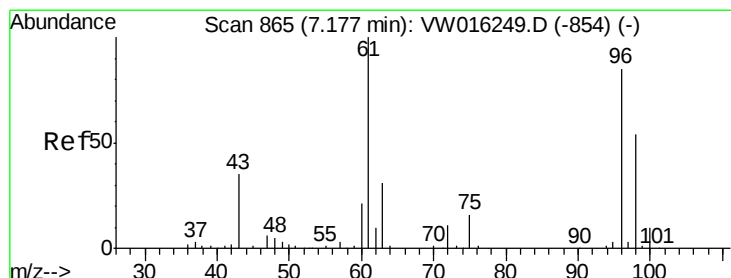
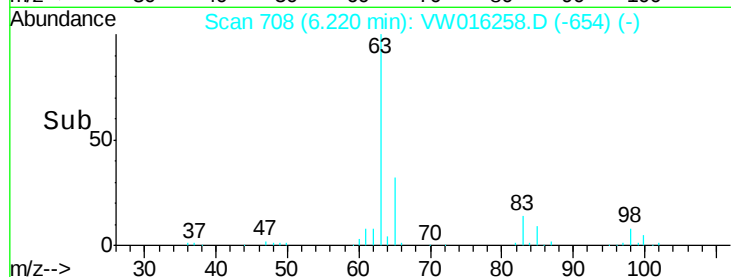
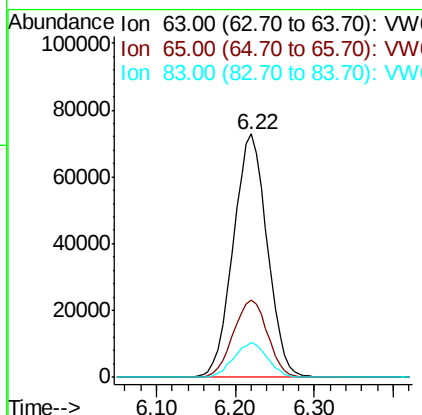
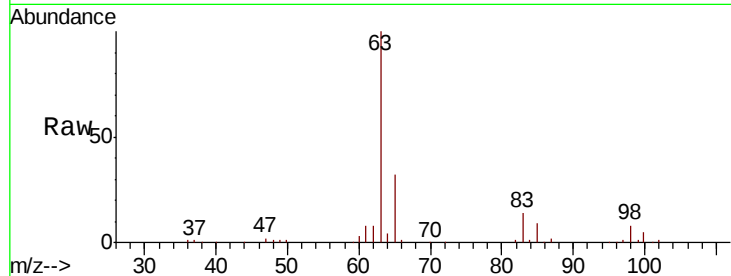




#19
 1,1-Dichloroethane
 Concen: 25.408 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

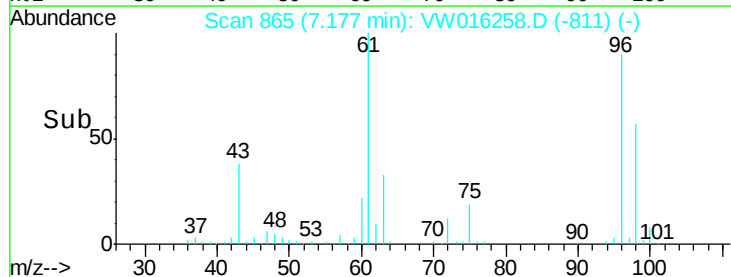
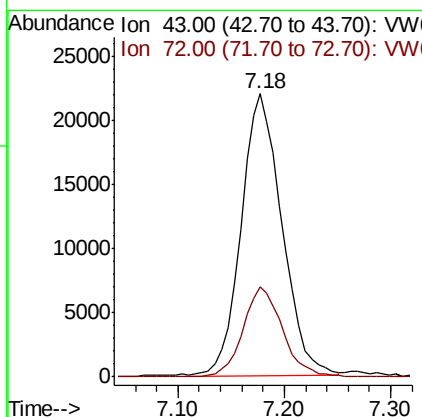
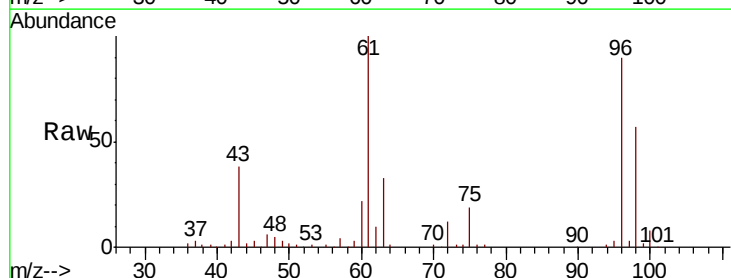
Instrument :
 MSVOA_W
 ClientSampled :

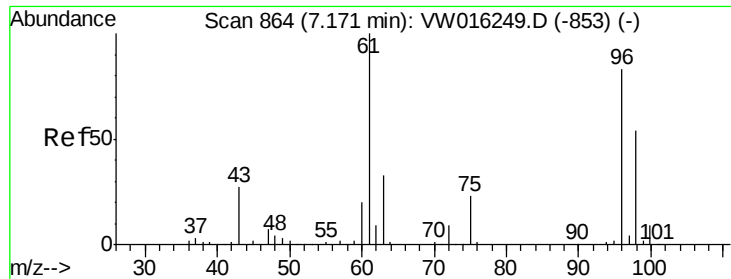
Tot Ion: 63 Resp: 217699
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.6 40.0
 83 14.1 9.8 18.2



#21
 2-Butanone
 Concen: 42.258 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

Tgt Ion: 43 Resp: 59286
 Ion Ratio Lower Upper
 43 100
 72 30.8 13.9 41.7



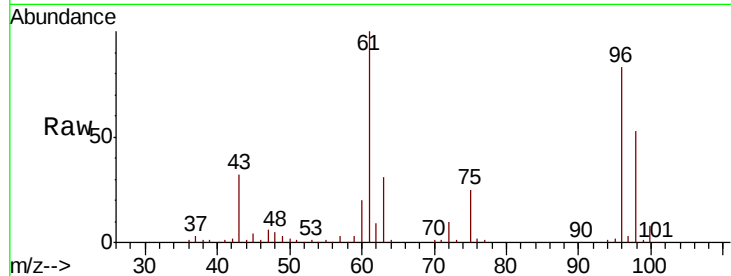


#22

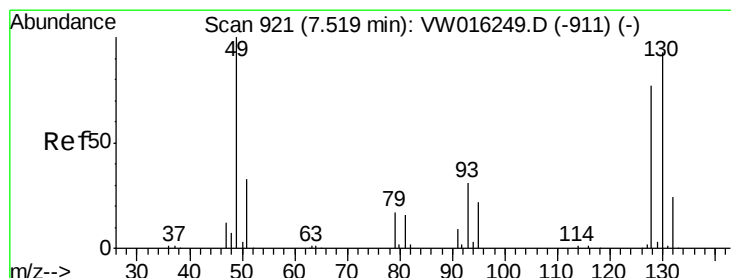
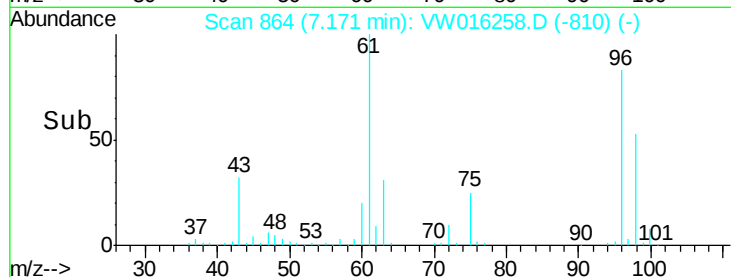
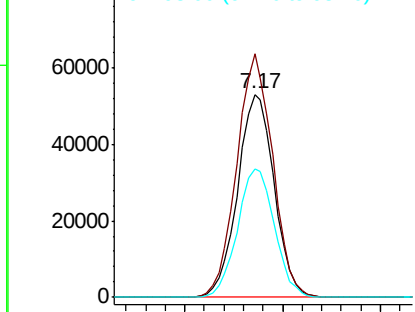
cis-1,2-Dichloroethene
 Concen: 26.990 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 96 Resp: 137878
 Ion Ratio Lower Upper
 96 100
 61 120.0 87.0 161.6
 98 63.5 44.0 81.6



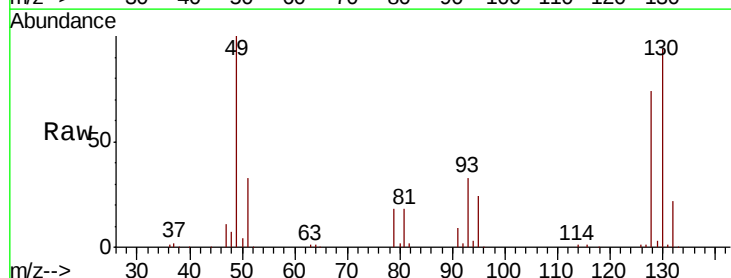
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



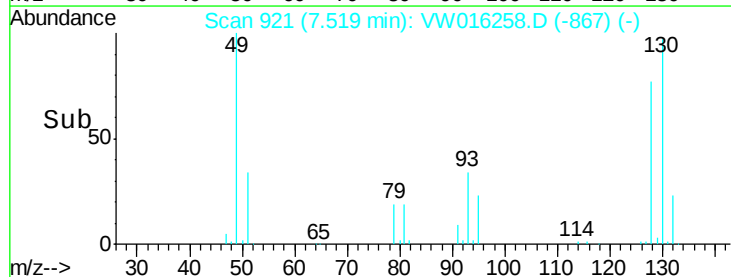
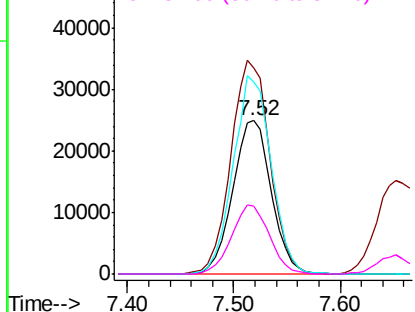
#23

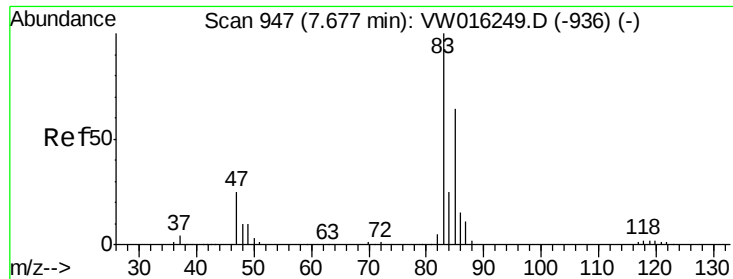
Bromochloromethane
 Concen: 26.915 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

Tgt Ion: 128 Resp: 63104
 Ion Ratio Lower Upper
 128 100
 49 134.4 111.8 207.6
 130 125.7 90.6 168.3
 51 44.8 42.6 63.8



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

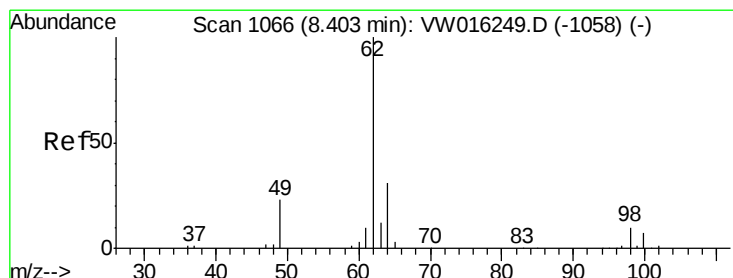
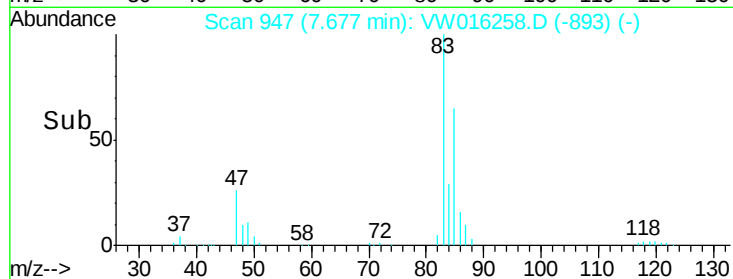
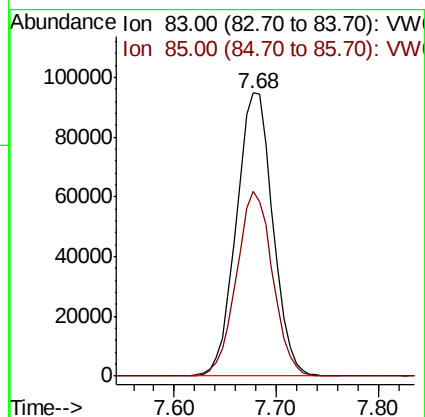
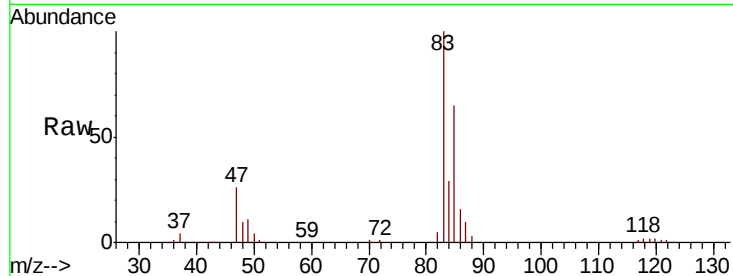




#25
Chloroform
Concen: 25.789 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016258.D
Acq: 19 Aug 2020 16:08

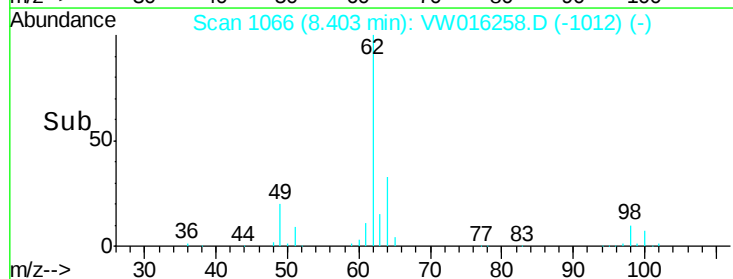
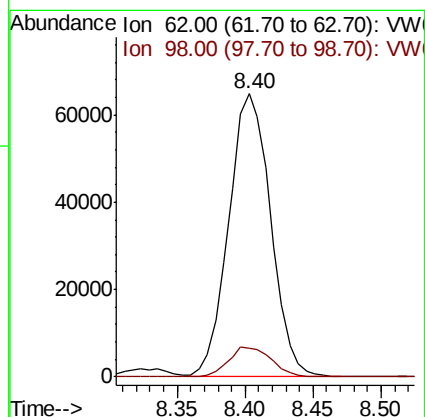
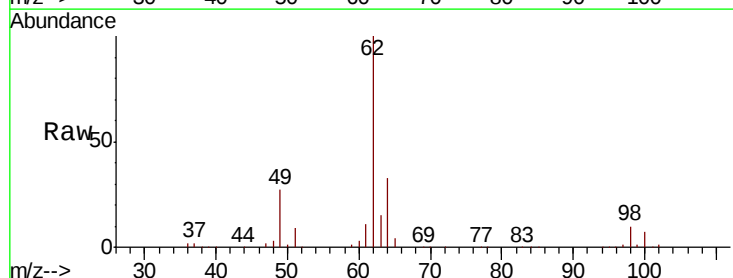
Instrument :
MSVOA_W
ClientSampled :

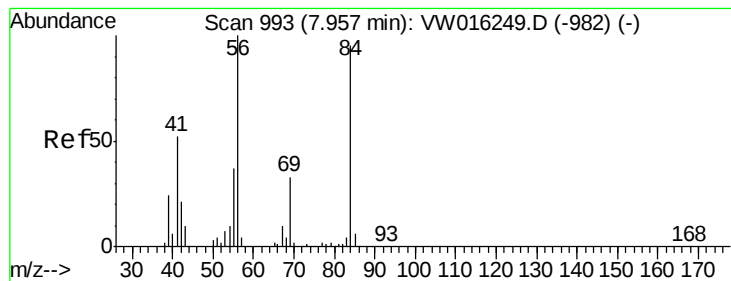
Tot Ion: 83 Resp: 235076
Ion Ratio Lower Upper
83 100
85 64.9 46.0 85.4



#27
1,2-Dichloroethane
Concen: 22.961 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016258.D
Acq: 19 Aug 2020 16:08

Tgt Ion: 62 Resp: 139419
Ion Ratio Lower Upper
62 100
98 10.1 7.7 11.5





#30

Cyclohexane

Concen: 27.347 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

Instrument :

MSVOA_W

ClientSampleId :

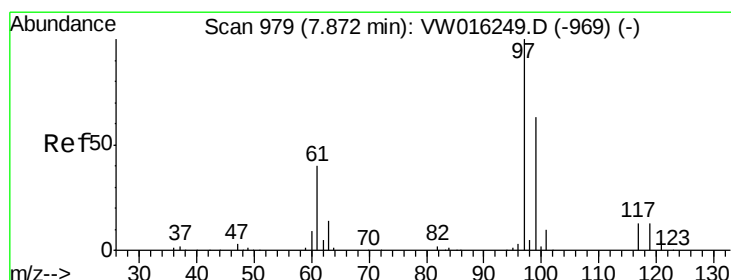
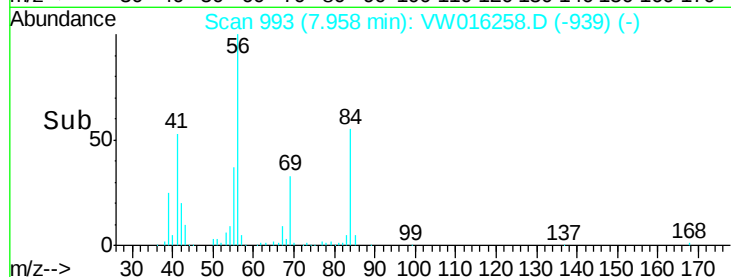
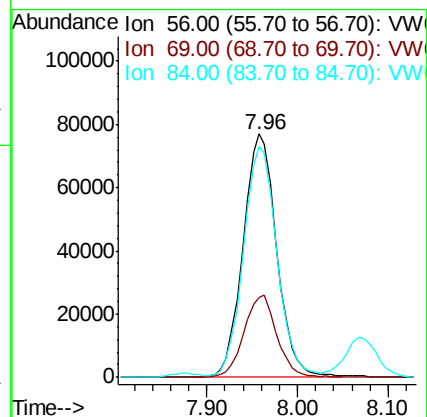
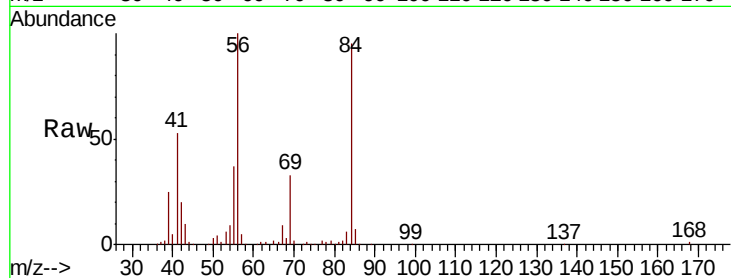
Tot Ion: 56 Resp: 197986

Ion Ratio Lower Upper

56 100

69 32.9 25.4 38.0

84 94.9 73.0 109.6



#31

1,1,1-Trichloroethane

Concen: 27.145 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

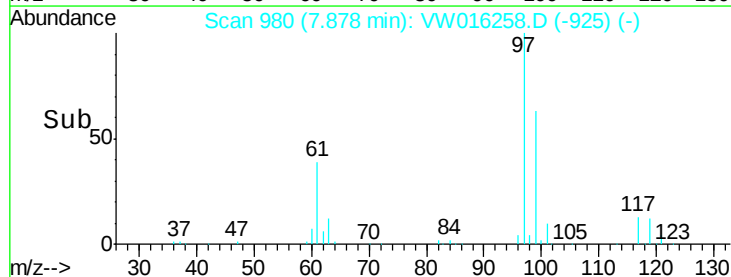
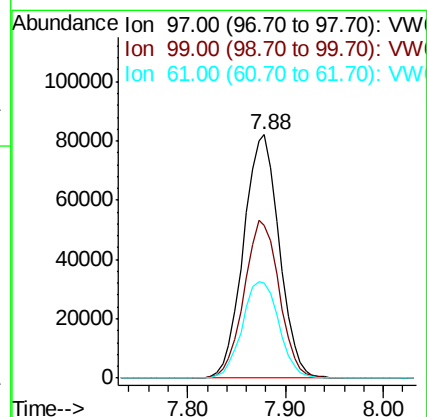
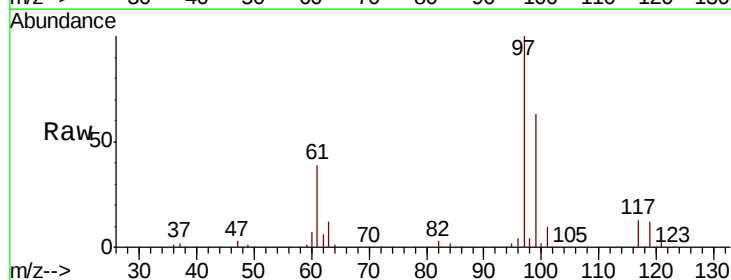
Tgt Ion: 97 Resp: 207541

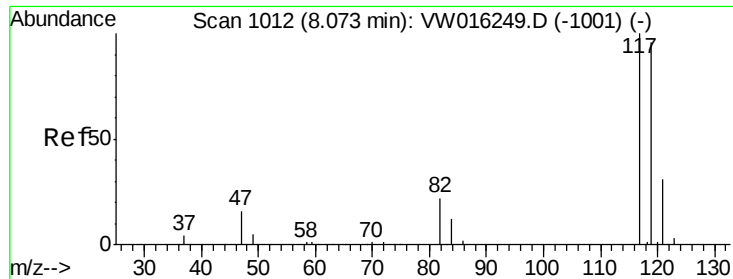
Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

61 40.7 34.5 51.7





#32

Carbon tetrachloride

Concen: 27.038 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

Instrument :

MSVOA_W

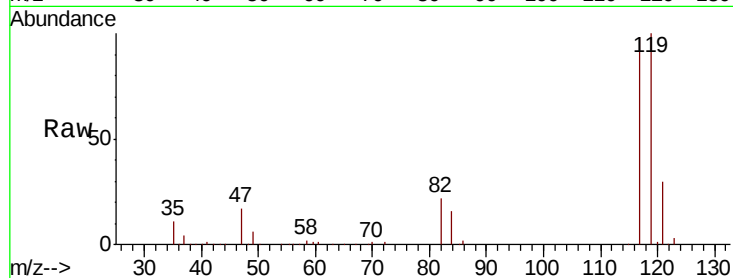
ClientSampleId :

Tot Ion:117 Resp: 195519

Ion Ratio Lower Upper

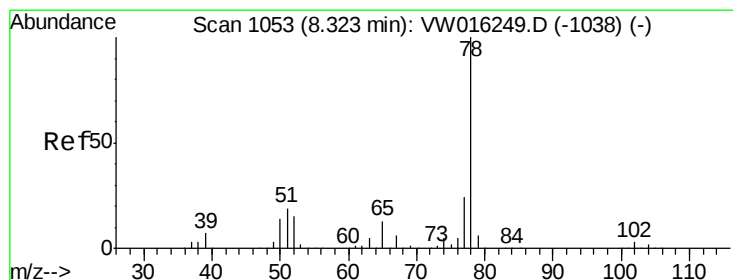
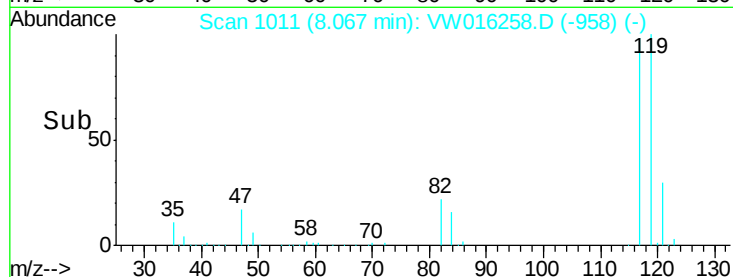
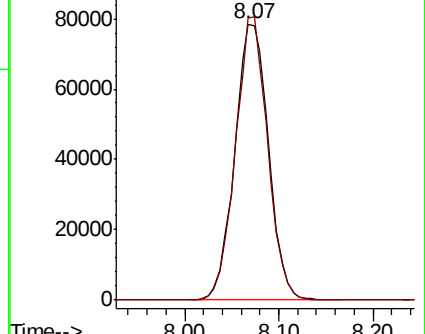
117 100

119 97.8 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.814 ug/L

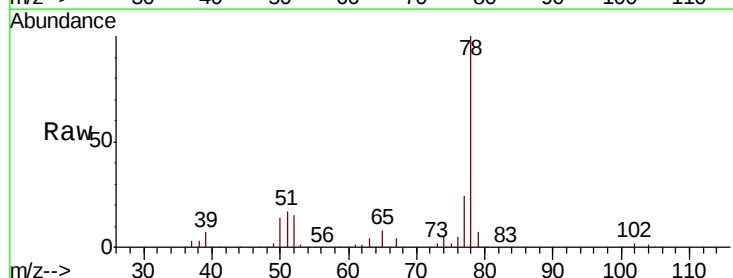
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

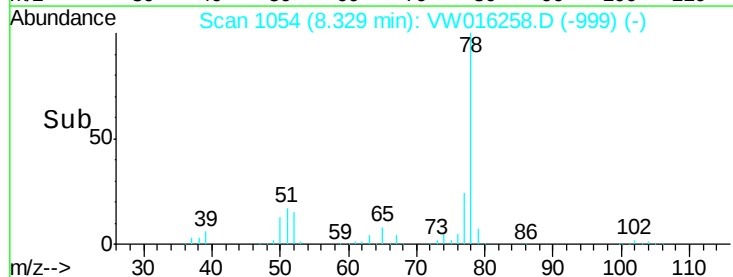
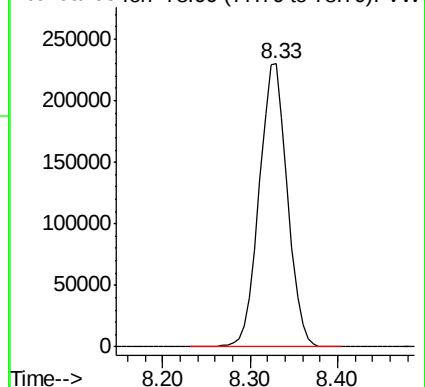
Lab File: VW016258.D

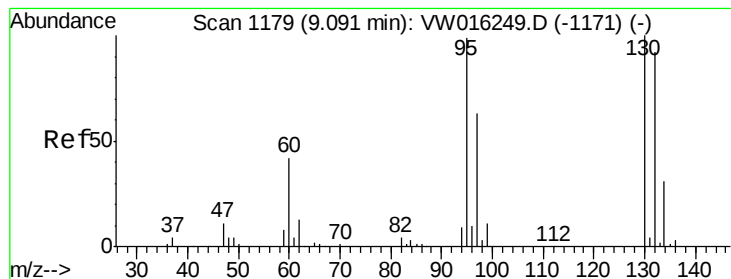
Acq: 19 Aug 2020 16:08

Tgt Ion: 78 Resp: 514500



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.689 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 137700

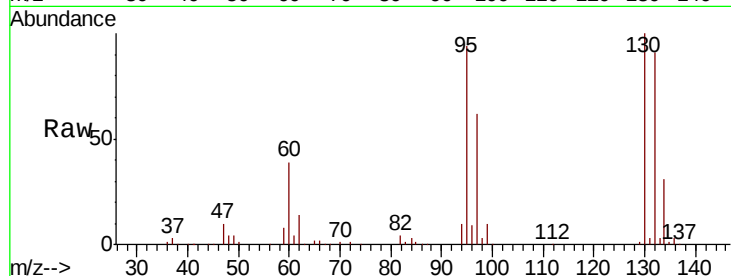
Ion Ratio Lower Upper

95 100

97 65.0 44.9 83.3

132 100.7 65.8 122.2

130 105.9 69.5 129.1

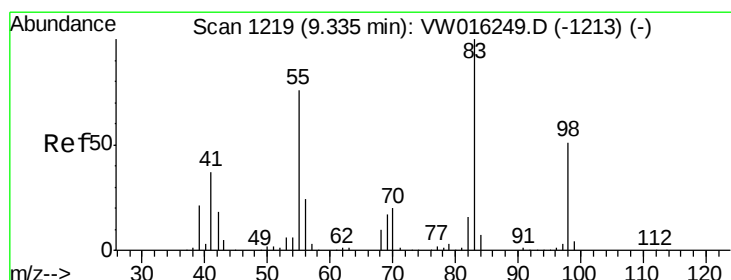
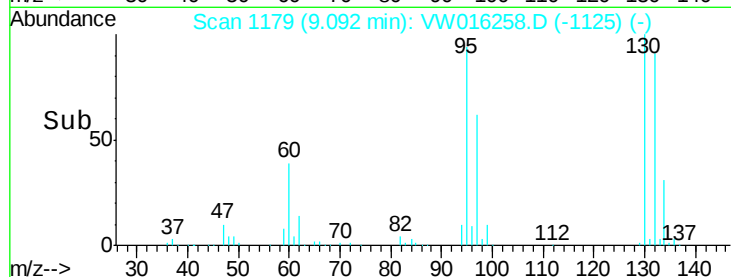
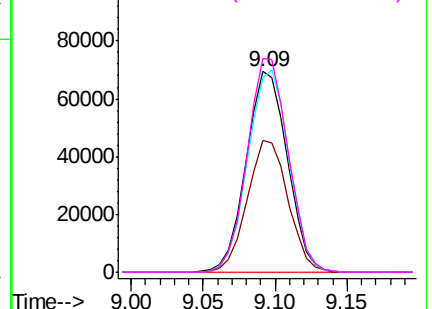


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 28.612 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

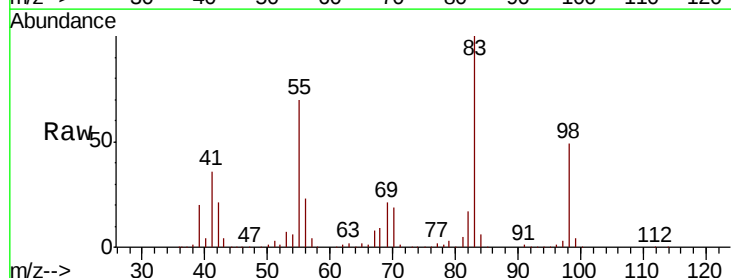
Tgt Ion: 83 Resp: 243179

Ion Ratio Lower Upper

83 100

55 70.5 60.7 91.1

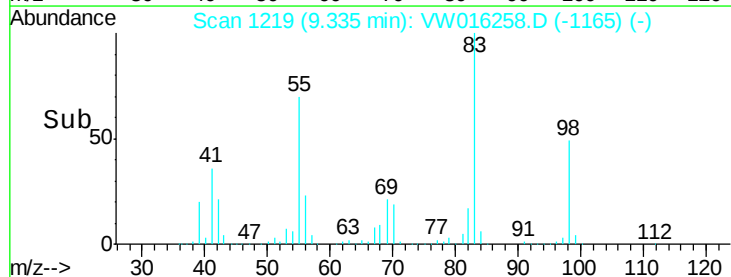
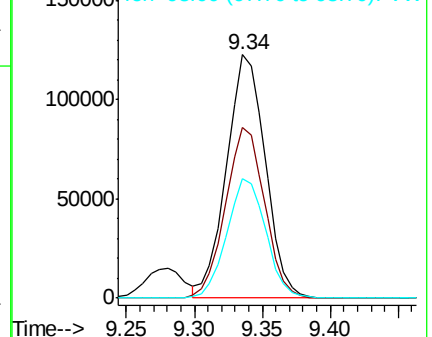
98 49.5 39.4 59.0

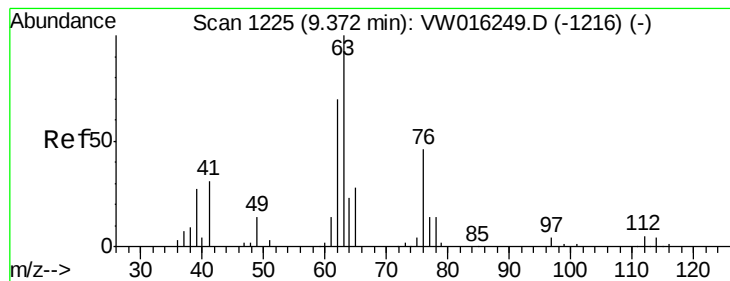


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 25.749 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

Instrument :

MSVOA_W

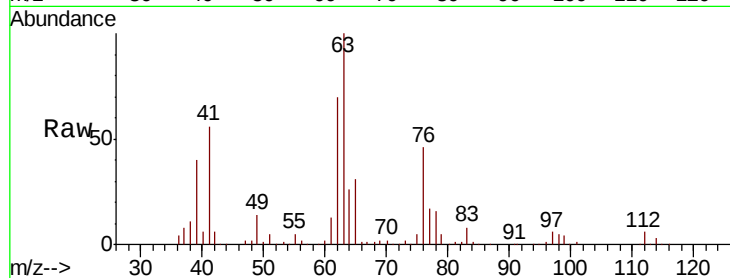
ClientSampleId :

Tot Ion: 63 Resp: 121326

Ion Ratio Lower Upper

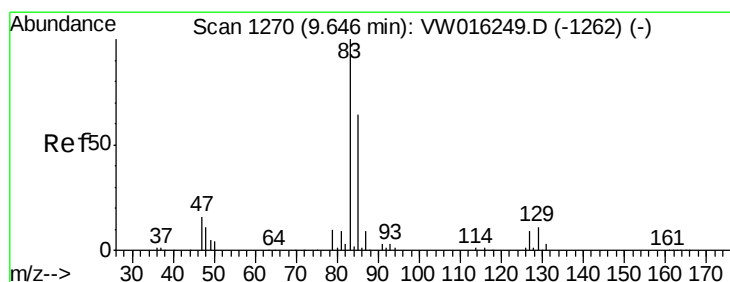
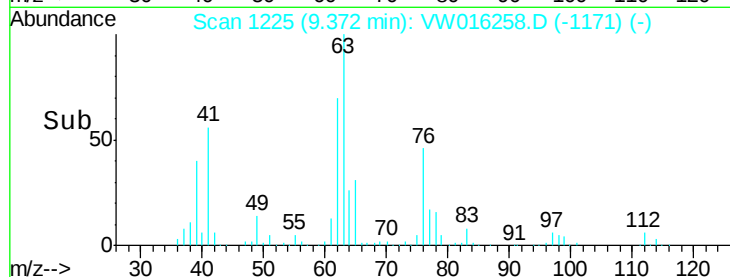
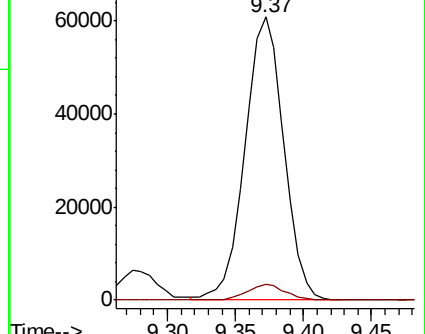
63 100

112 5.5 4.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.450 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

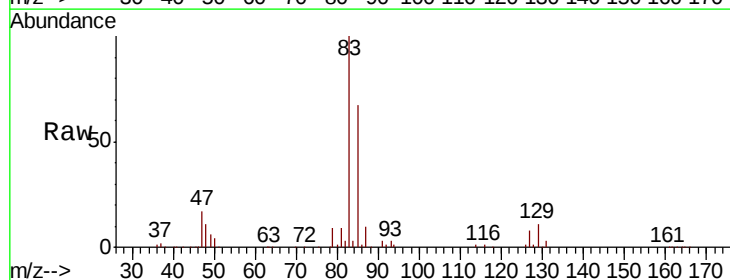
Tgt Ion: 83 Resp: 164738

Ion Ratio Lower Upper

83 100

85 67.5 46.1 85.5

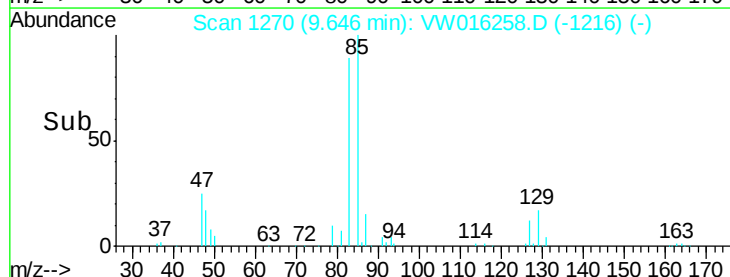
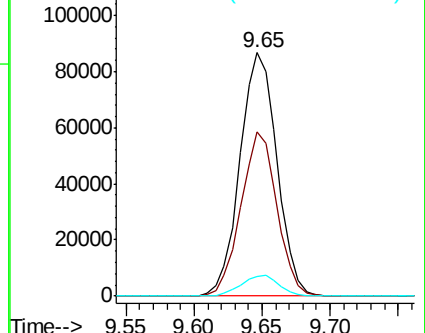
127 8.3 7.2 10.8

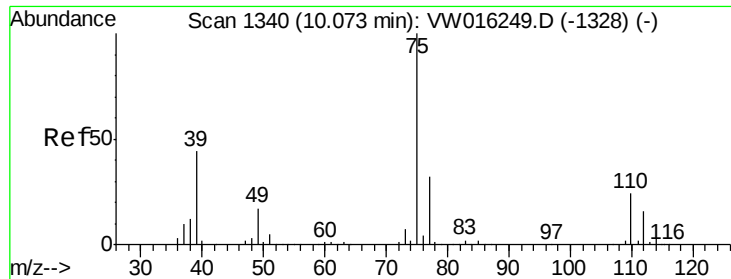


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

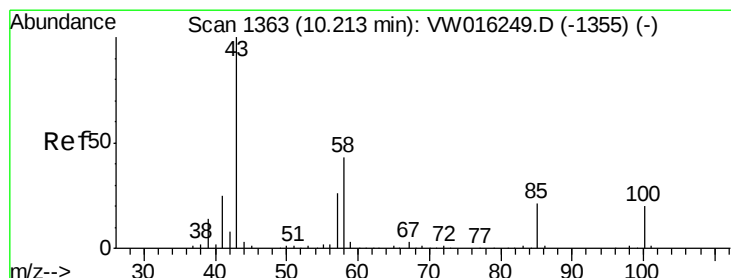
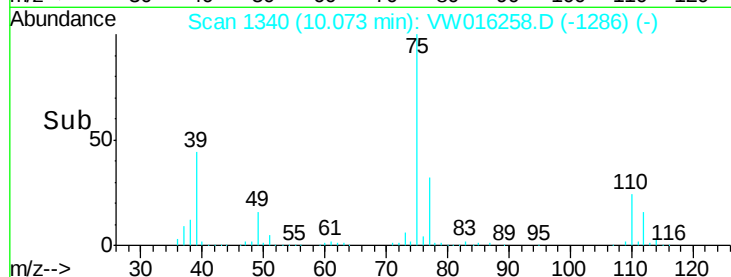
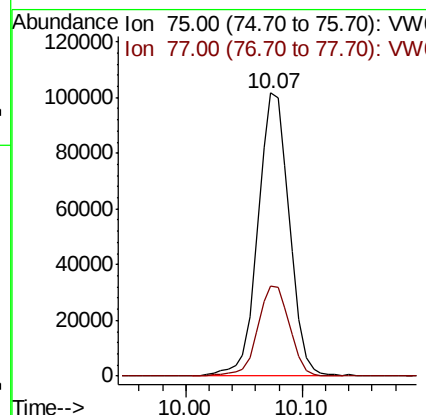
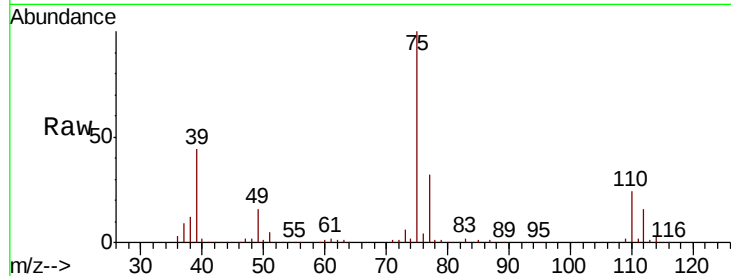




#42
 cis-1,3-Dichloropropene
 Concen: 26.661 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

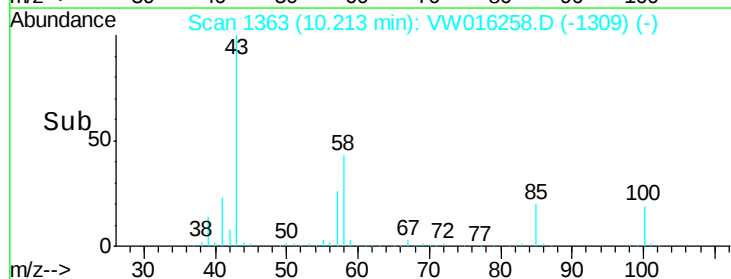
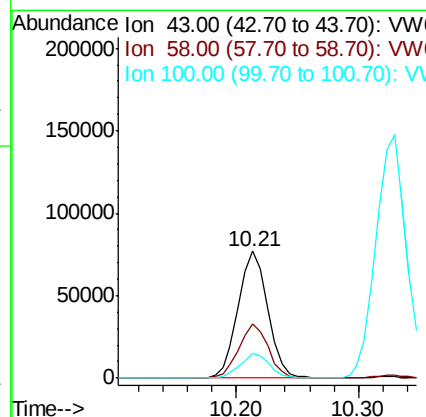
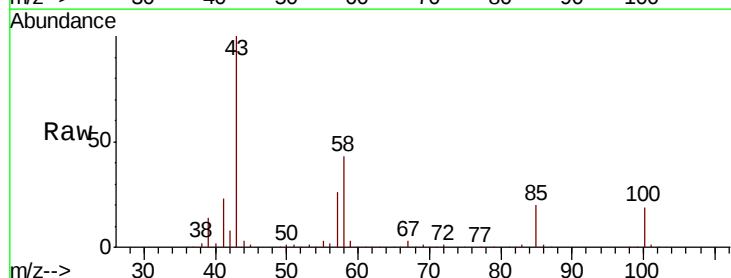
Instrument :
 MSVOA_W
 ClientSampleId :

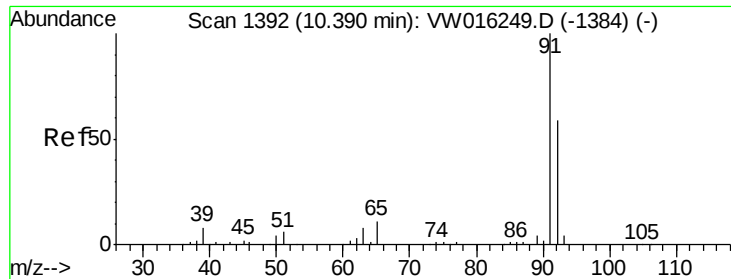
Tot Ion: 75 Resp: 191318
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.9 42.5



#43
 4-Methyl-2-pentanone
 Concen: 45.751 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

Tgt Ion: 43 Resp: 129664
 Ion Ratio Lower Upper
 43 100
 58 42.3 32.1 48.1
 100 18.9 13.8 20.8





#44

Toluene

Concen: 27.865 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

Instrument :

MSVOA_W

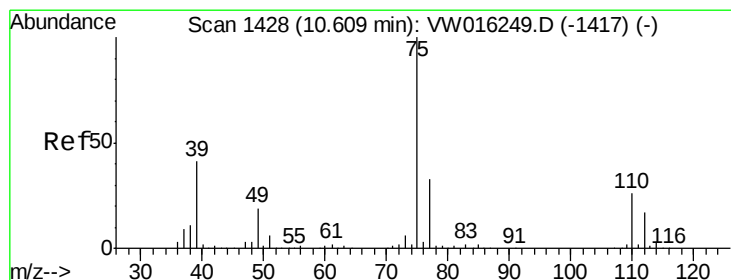
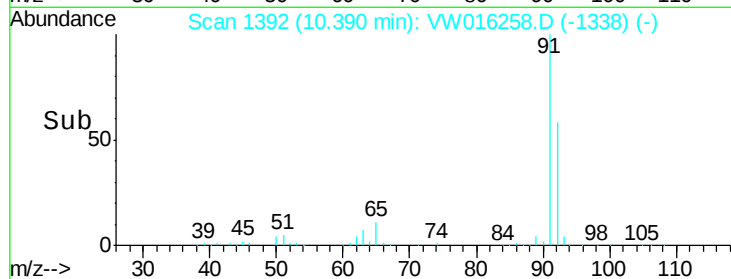
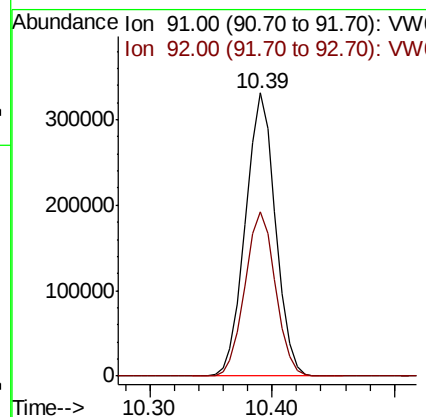
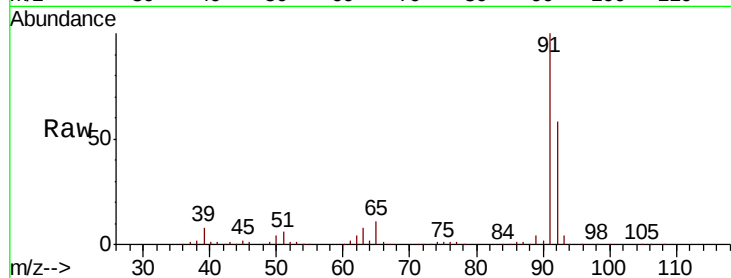
ClientSampleId :

Tot Ion: 91 Resp: 564411

Ion Ratio Lower Upper

91 100

92 57.8 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 25.723 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016258.D

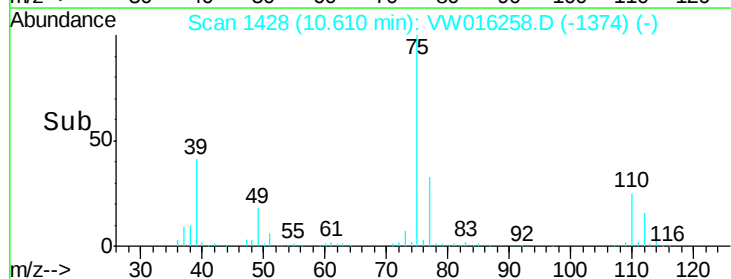
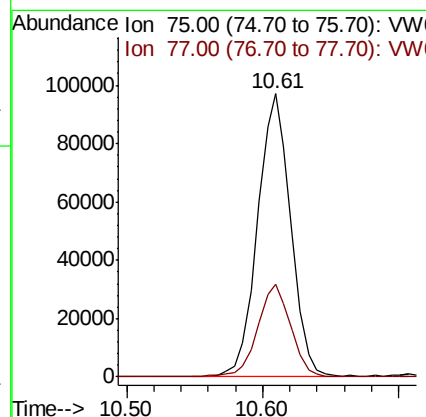
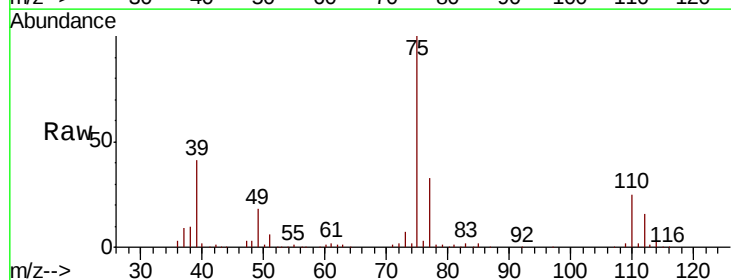
Acq: 19 Aug 2020 16:08

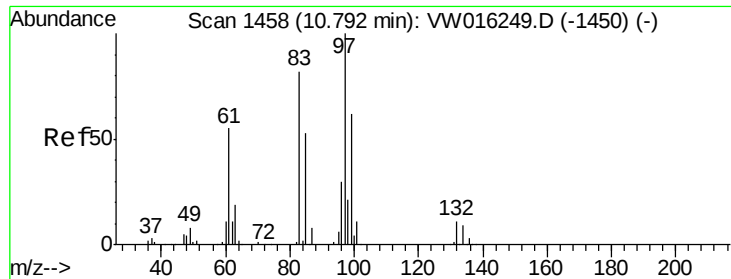
Tgt Ion: 75 Resp: 165817

Ion Ratio Lower Upper

75 100

77 32.8 22.7 42.1

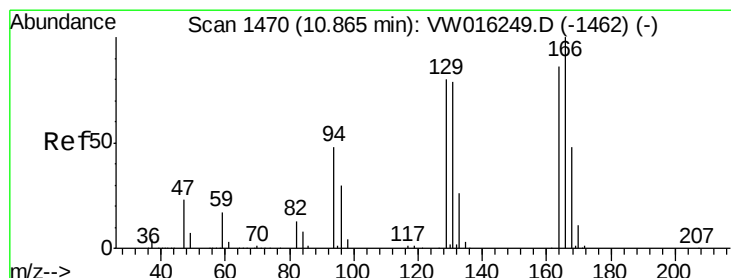
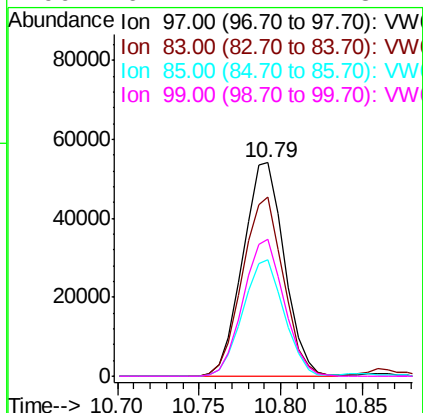
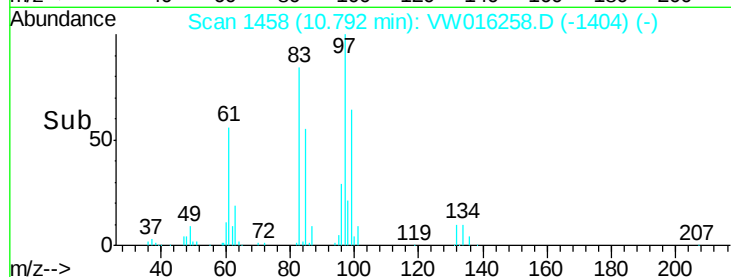
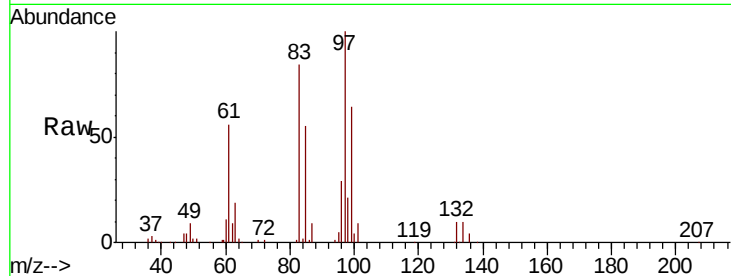




#46
 1,1,2-Trichloroethane
 Concen: 25.837 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

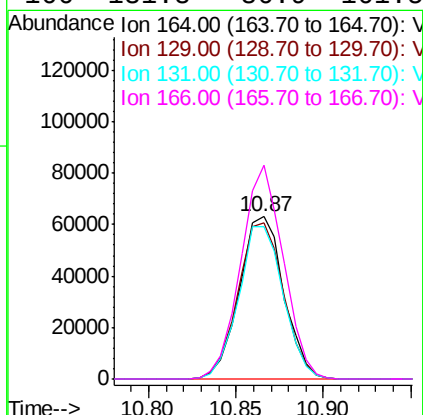
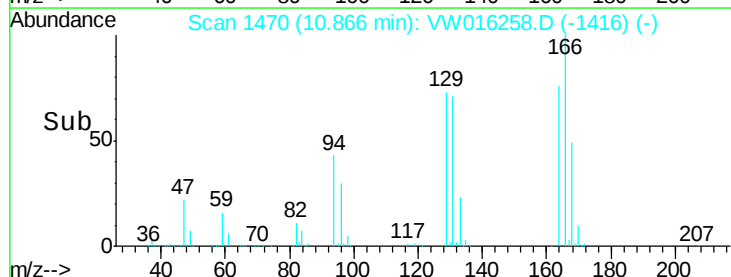
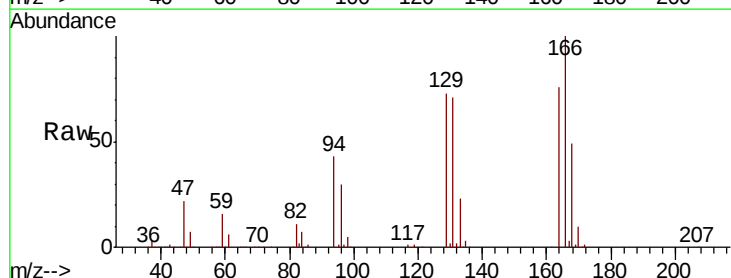
Instrument :
 MSVOA_W
 ClientSampleId :

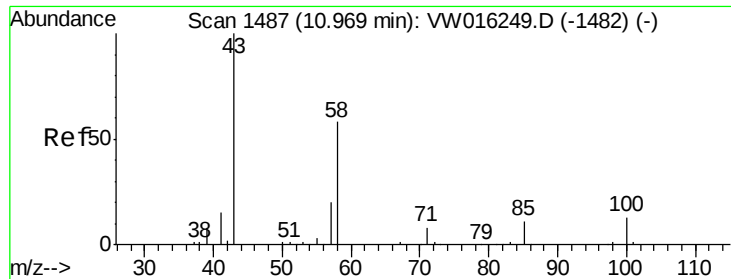
Tot Ion:	97	Resp:	95831
Ion	Ratio	Lower	Upper
97	100		
83	83.8	57.8	107.4
85	54.7	38.0	70.6
99	64.4	44.4	82.4



#47
 Tetrachloroethene
 Concen: 28.796 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

Tgt Ion:	164	Resp:	111379
Ion	Ratio	Lower	Upper
164	100		
129	96.6	71.5	132.9
131	94.0	65.4	121.4
166	131.8	86.9	161.5

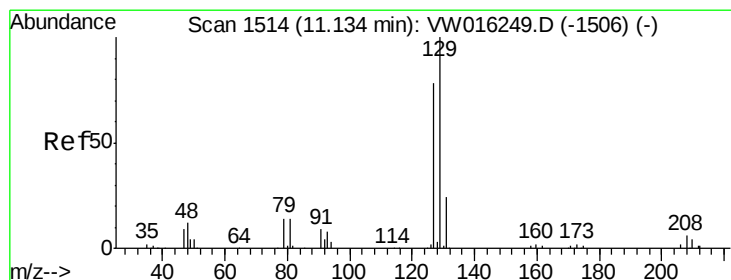
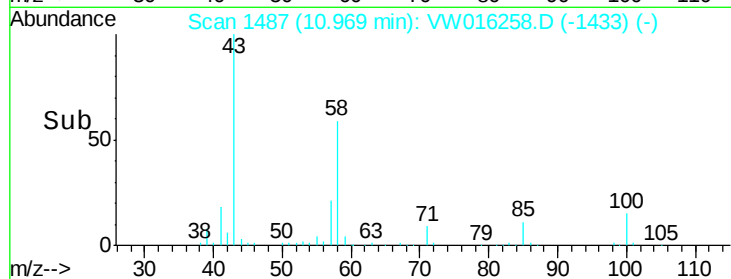
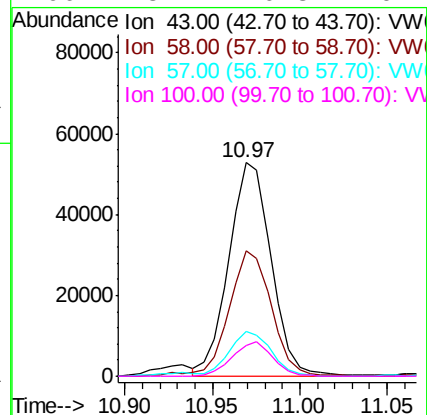
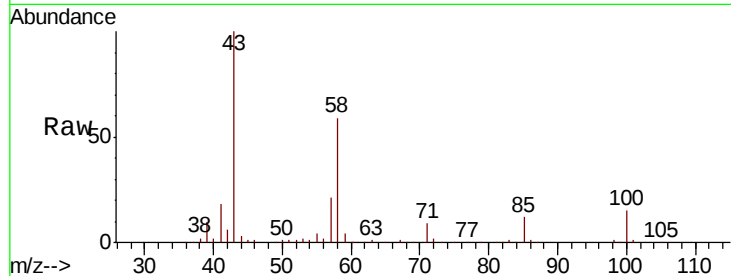




#49
2-Hexanone
Concen: 46.634 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016258.D
Acq: 19 Aug 2020 16:08

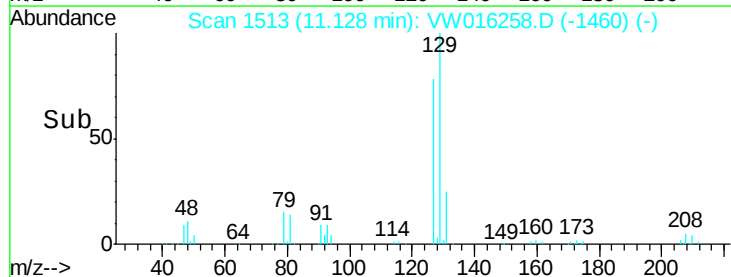
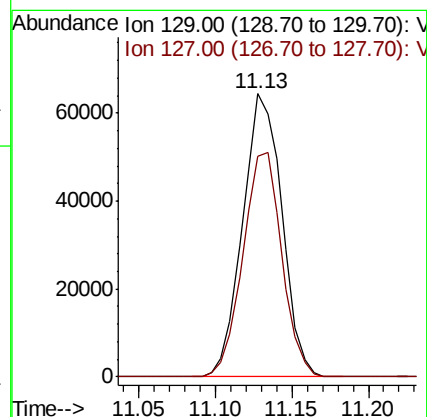
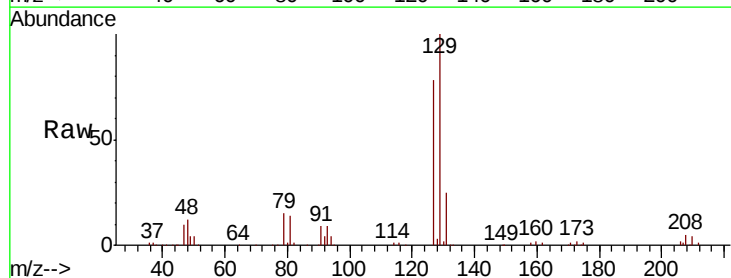
Instrument :
MSVOA_W
ClientSampleId :

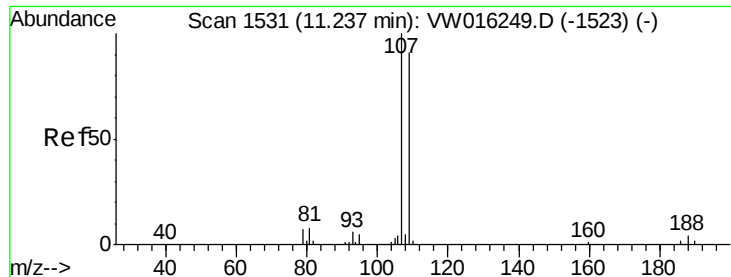
Tot Ion: 43 Resp: 89182
Ion Ratio Lower Upper
43 100
58 58.3 44.2 66.2
57 20.4 15.8 23.6
100 15.4 10.8 16.2



#50
Dibromochloromethane
Concen: 26.312 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016258.D
Acq: 19 Aug 2020 16:08

Tgt Ion: 129 Resp: 114945
Ion Ratio Lower Upper
129 100
127 78.1 55.4 102.8

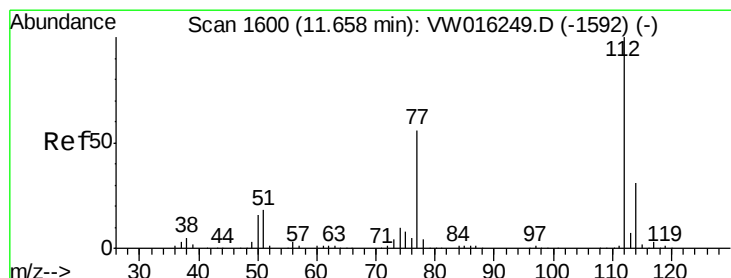
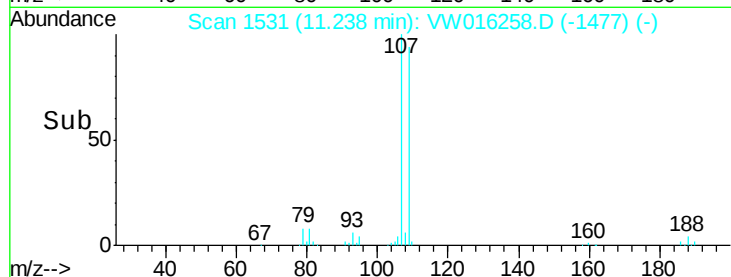
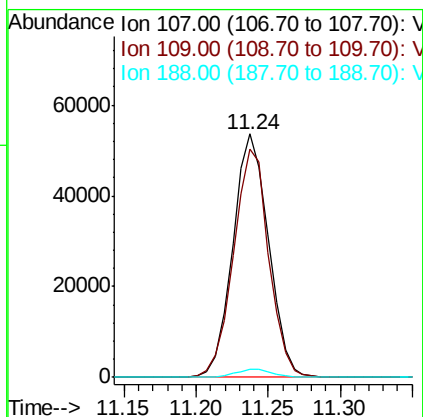
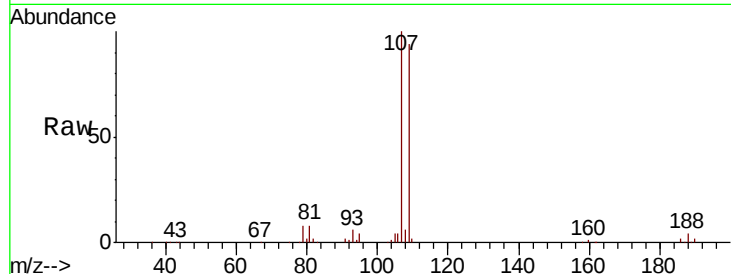




#51
1,2-Dibromoethane
Concen: 26.337 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016258.D
Acq: 19 Aug 2020 16:08

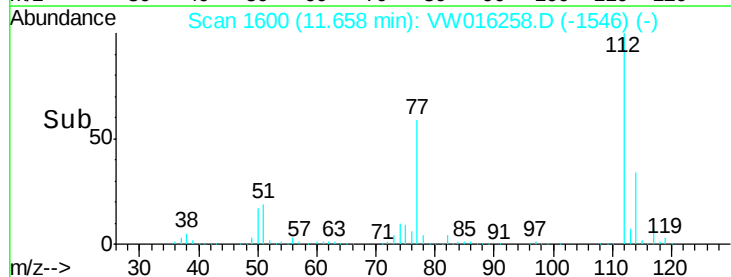
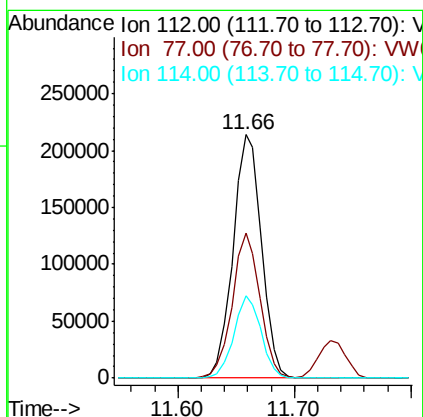
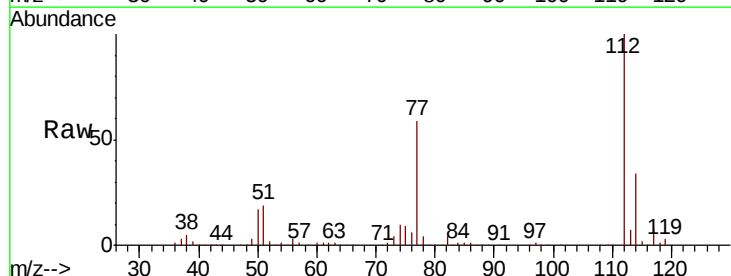
Instrument :
MSVOA_W
ClientSampleId :

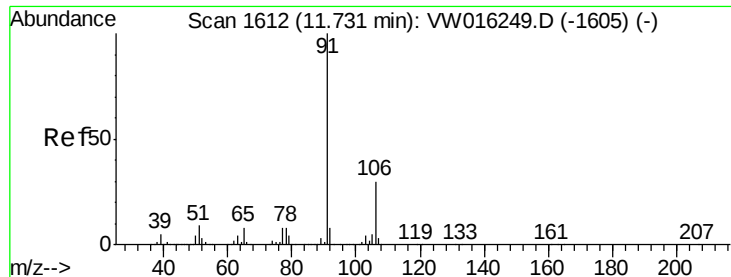
Tot Ion:107 Resp: 92610
Ion Ratio Lower Upper
107 100
109 94.0 66.0 122.6
188 3.5 2.8 4.2



#52
Chlorobenzene
Concen: 27.192 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016258.D
Acq: 19 Aug 2020 16:08

Tgt Ion:112 Resp: 364425
Ion Ratio Lower Upper
112 100
77 59.4 49.1 73.7
114 33.6 23.5 43.7

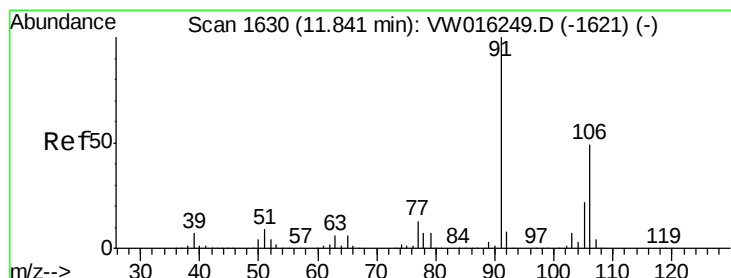
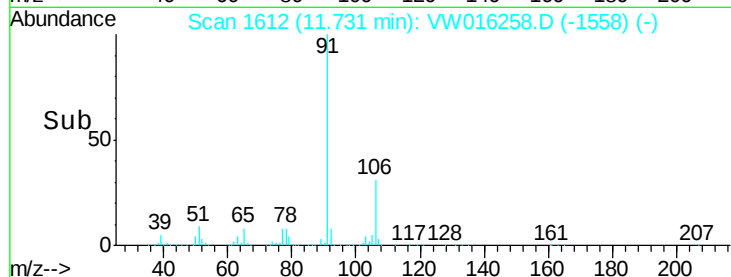
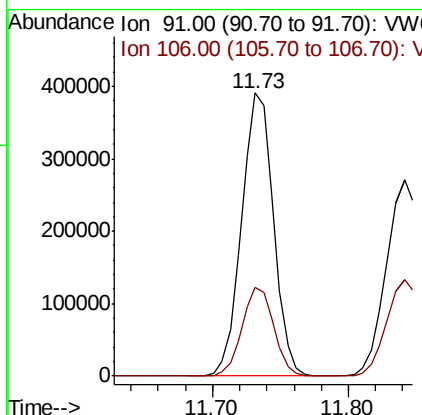
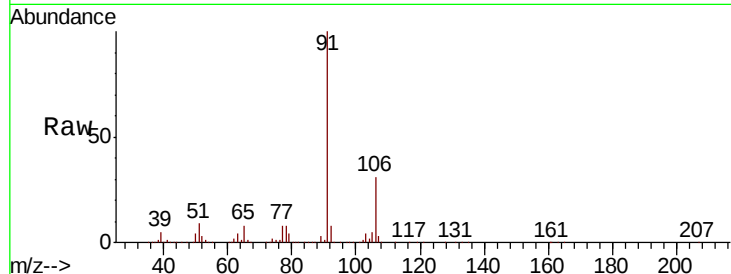




#53
Ethylbenzene
Concen: 27.797 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016258.D
Acq: 19 Aug 2020 16:08

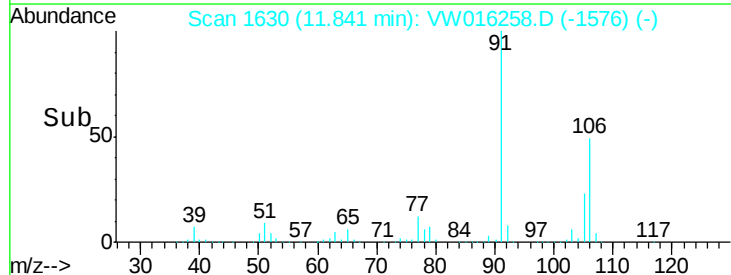
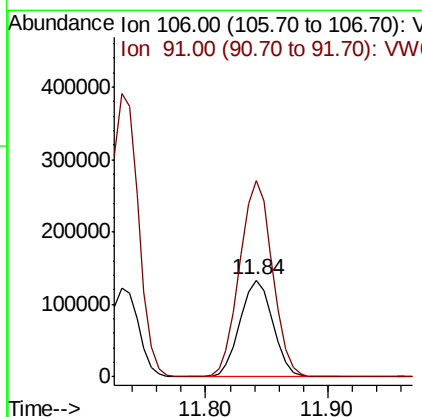
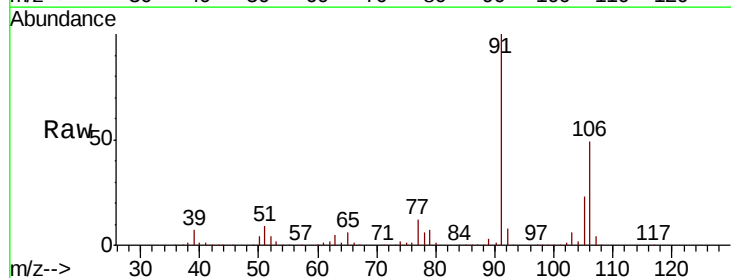
Instrument :
MSVOA_W
ClientSampled :

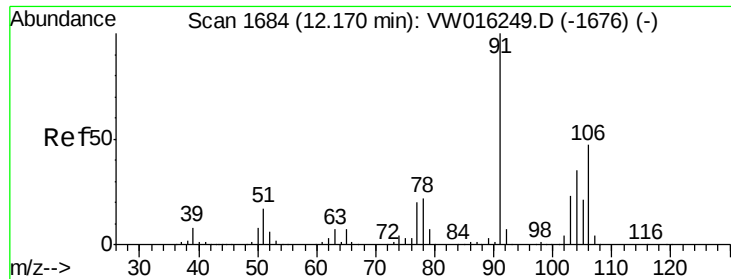
Tot Ion: 91 Resp: 638797
Ion Ratio Lower Upper
91 100
106 31.5 21.8 40.4



#54
m,p-Xylene
Concen: 28.737 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016258.D
Acq: 19 Aug 2020 16:08

Tgt Ion: 106 Resp: 248421
Ion Ratio Lower Upper
106 100
91 203.0 136.4 253.2

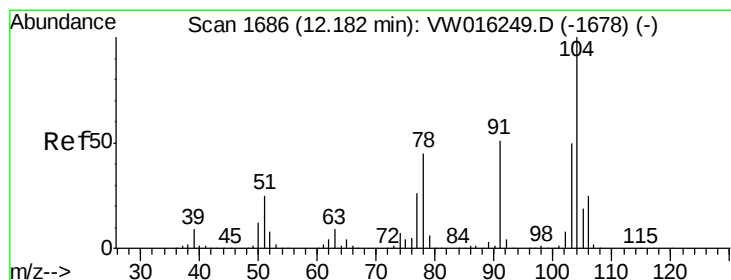
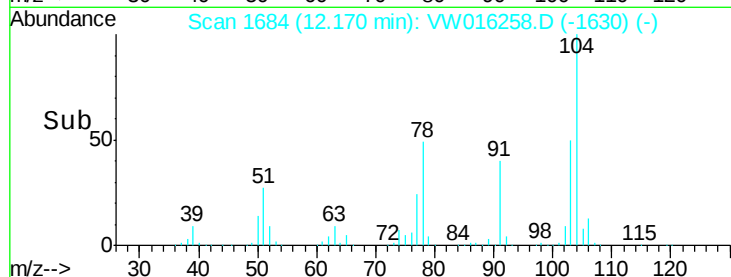
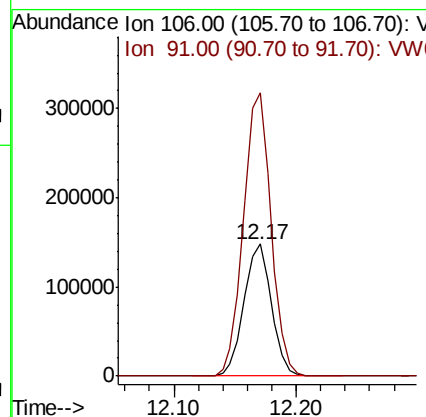
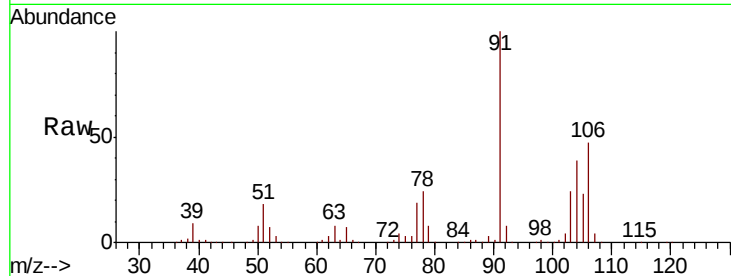




#55
o-xylene
Concen: 28.176 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016258.D
Acq: 19 Aug 2020 16:08

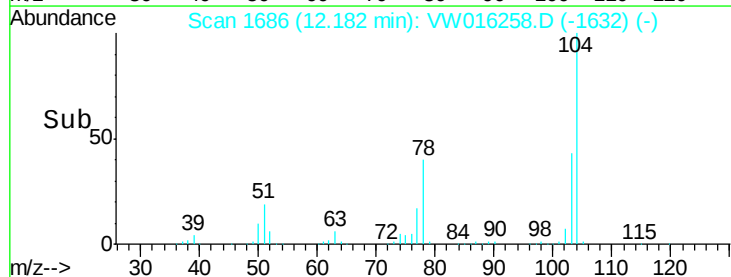
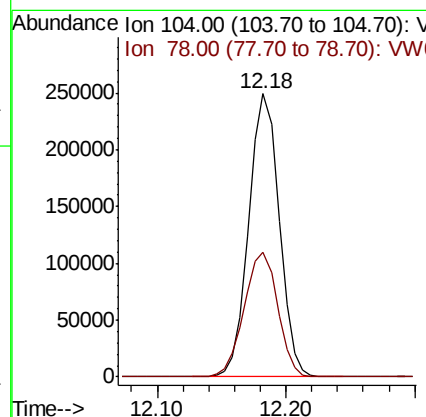
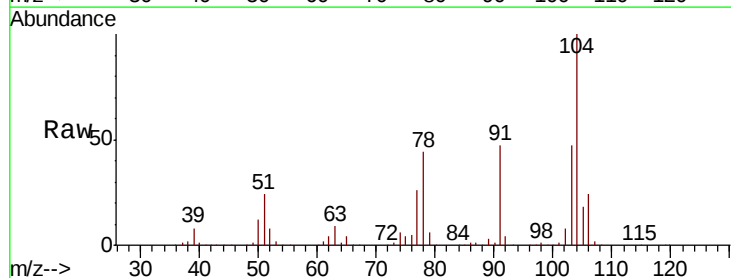
Instrument :
MSVOA_W
ClientSampled :

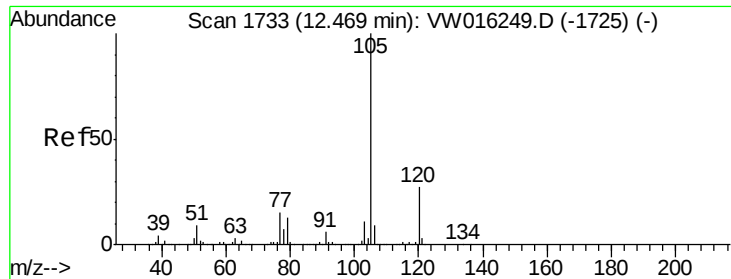
Tot Ion:106 Resp: 229424
Ion Ratio Lower Upper
106 100
91 214.3 151.3 281.1



#56
Styrene
Concen: 28.798 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016258.D
Acq: 19 Aug 2020 16:08

Tgt Ion:104 Resp: 405976
Ion Ratio Lower Upper
104 100
78 44.1 32.0 59.4





#57

Isopropylbenzene

Concen: 28.944 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

Instrument :

MSVOA_W

ClientSampled :

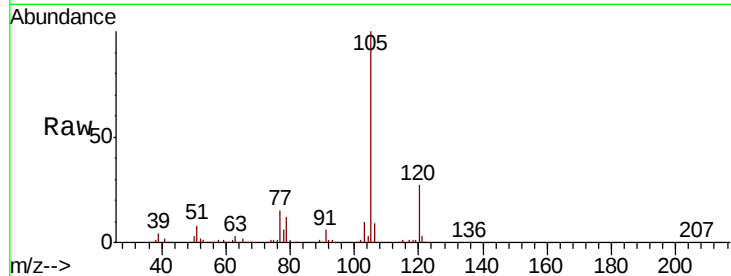
Tot Ion:105 Resp: 635423

Ion Ratio Lower Upper

105 100

120 27.1 21.0 31.4

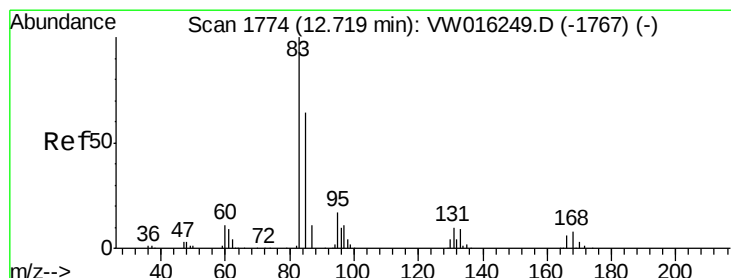
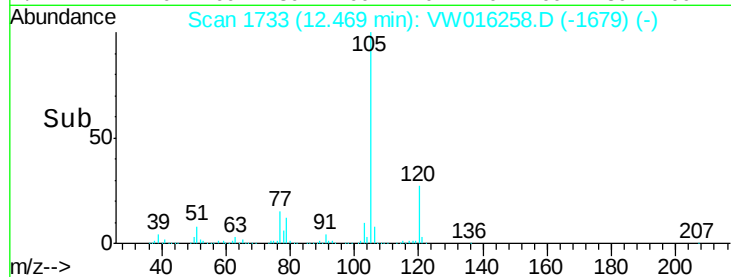
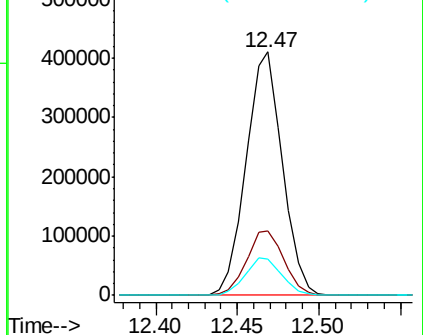
77 15.5 12.6 18.8



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: 25.015 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

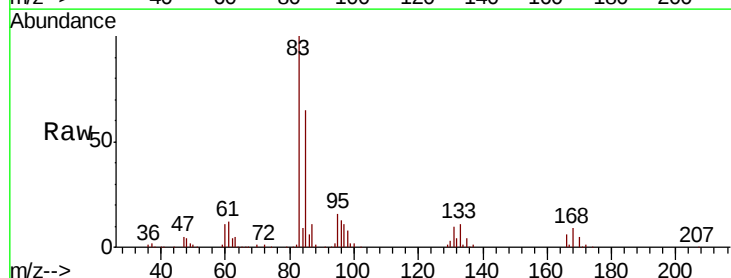
Tgt Ion: 83 Resp: 108257

Ion Ratio Lower Upper

83 100

85 65.4 42.4 78.8

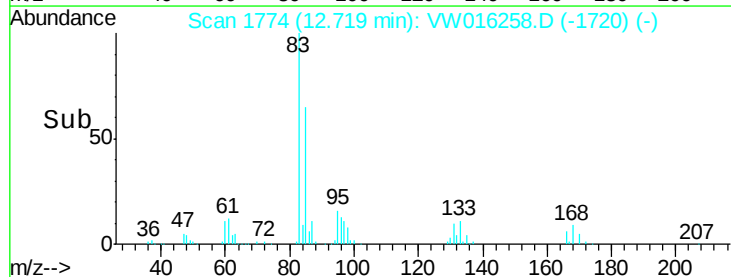
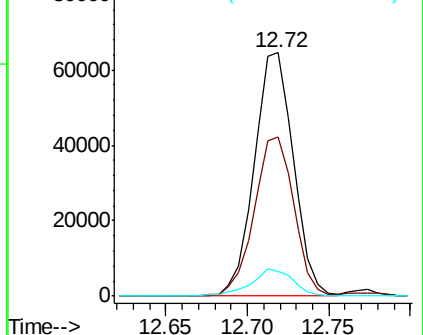
131 10.2 7.8 11.8

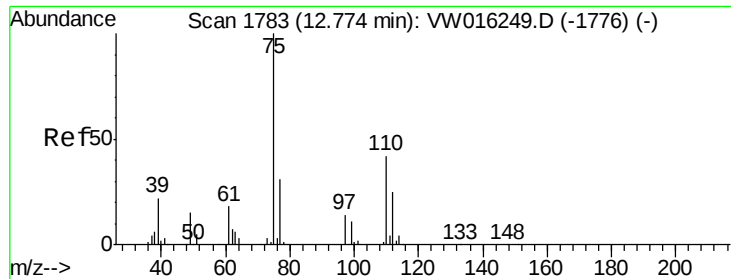


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.276 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

Instrument :

MSVOA_W

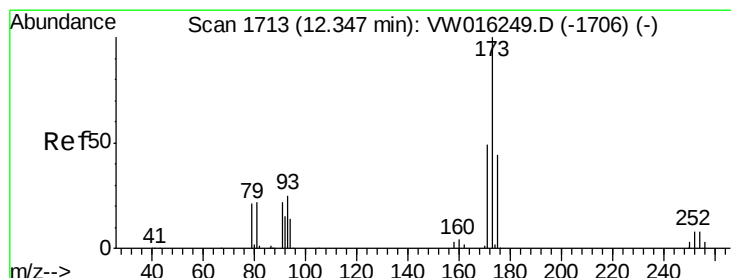
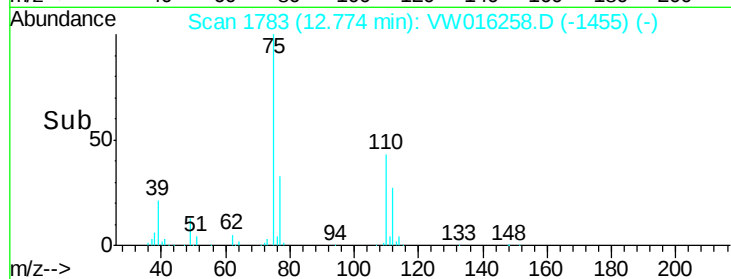
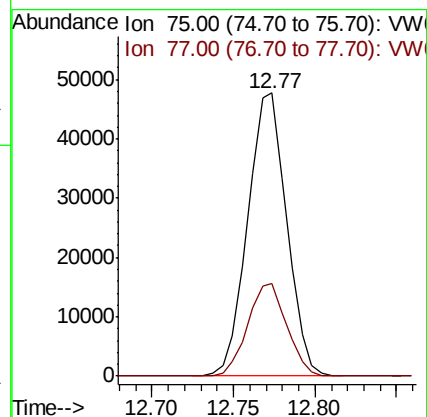
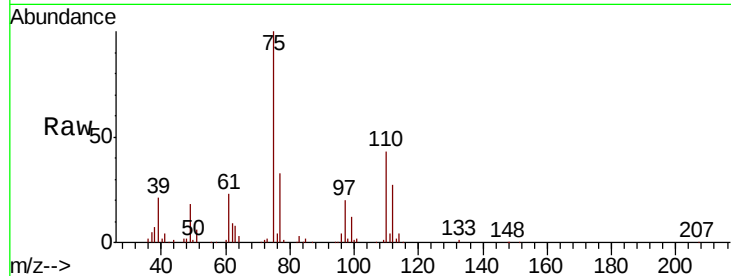
ClientSampleId :

Tot Ion: 75 Resp: 79593

Ion Ratio Lower Upper

75 100

77 32.8 25.9 38.9



#62

Bromoform

Concen: 26.796 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

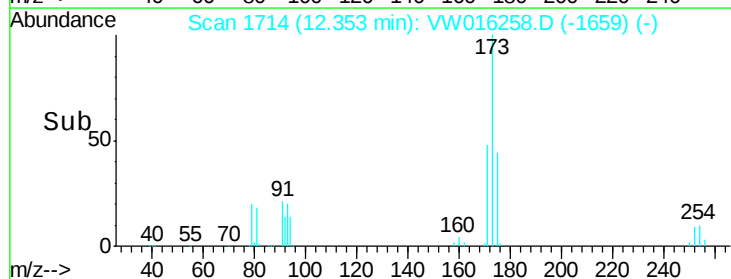
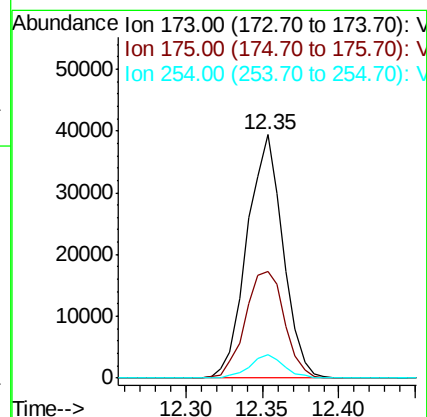
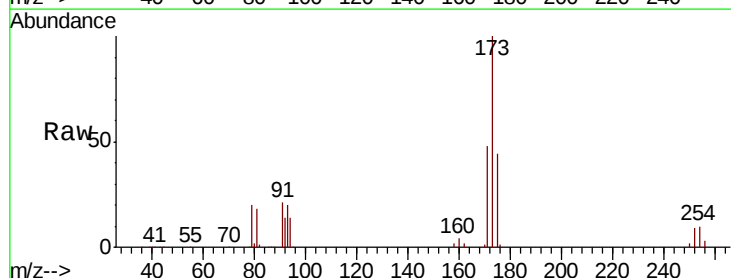
Tgt Ion: 173 Resp: 64250

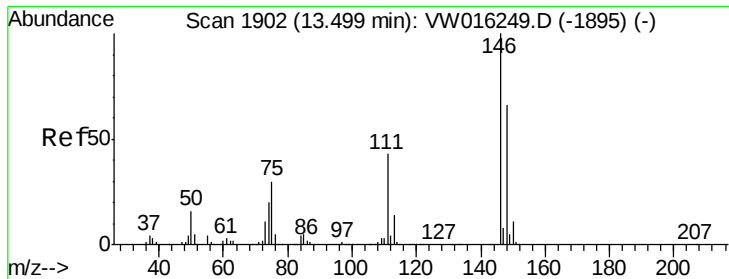
Ion Ratio Lower Upper

173 100

175 47.7 37.8 56.6

254 9.0 6.8 10.2

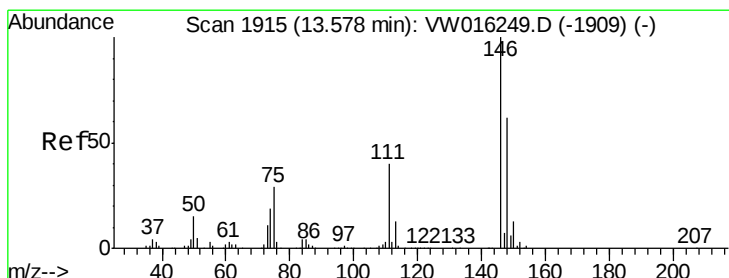
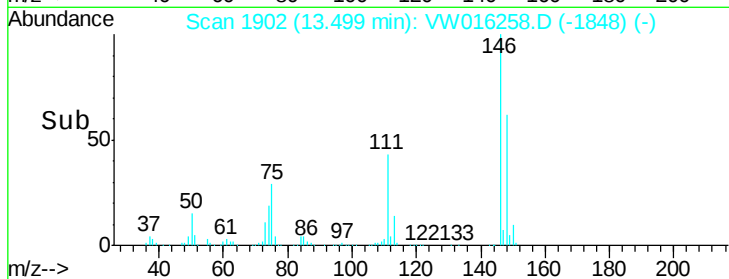
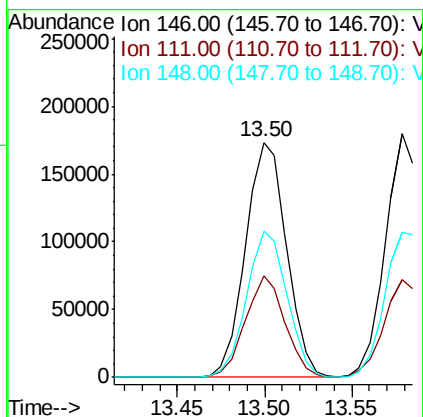
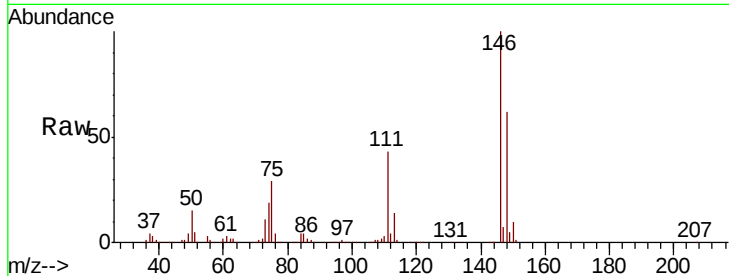




#63
 1,3-Dichlorobenzene
 Concen: 28.264 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

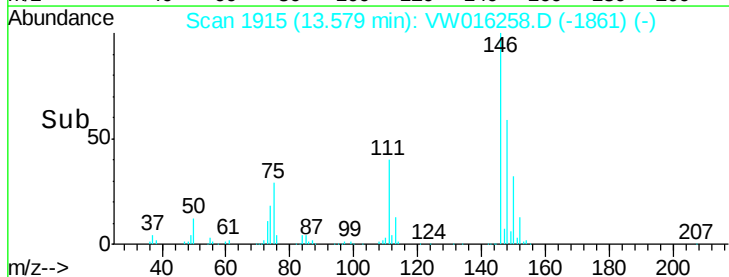
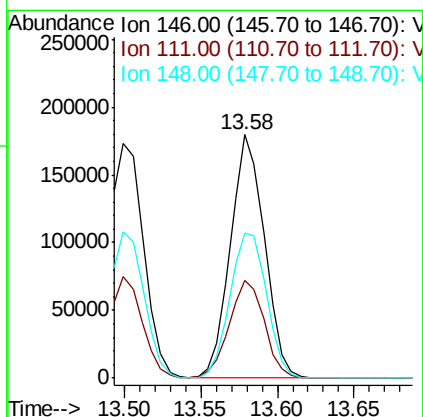
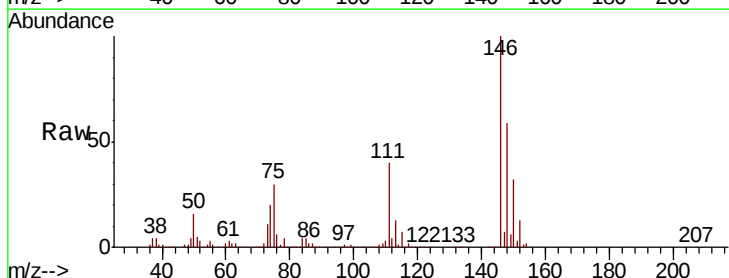
Instrument :
 MSVOA_W
 ClientSampleId :

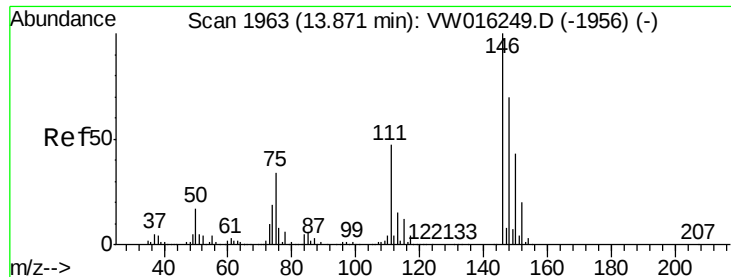
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	28.9	53.7
148	62.3	44.7	82.9



#64
 1,4-Dichlorobenzene
 Concen: 27.238 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	28.6	53.2
148	59.4	47.7	88.5

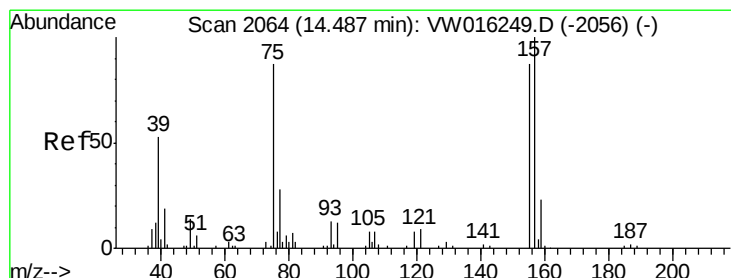
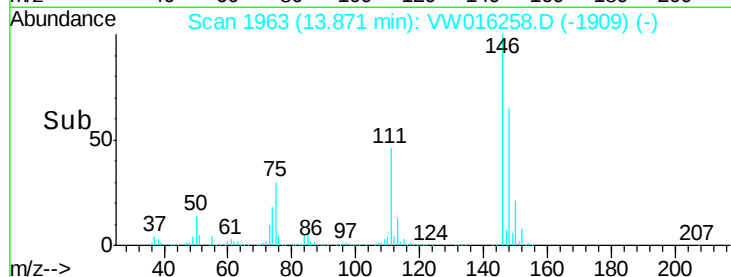
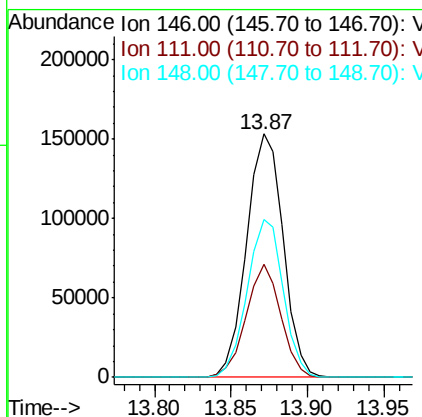
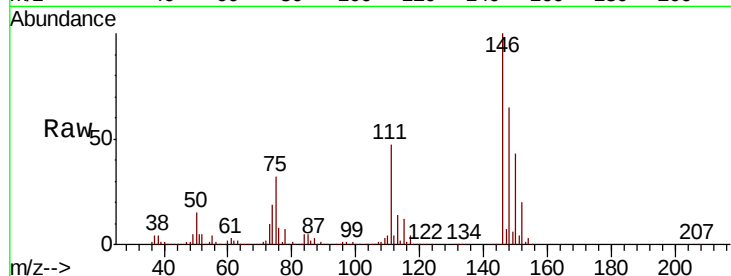




#65
 1,2-Dichlorobenzene
 Concen: 27.736 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

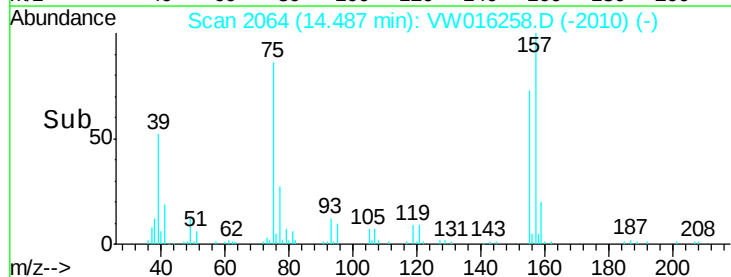
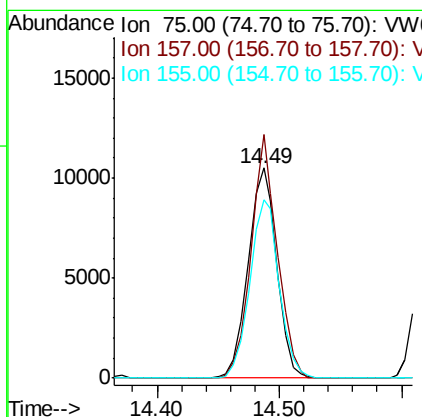
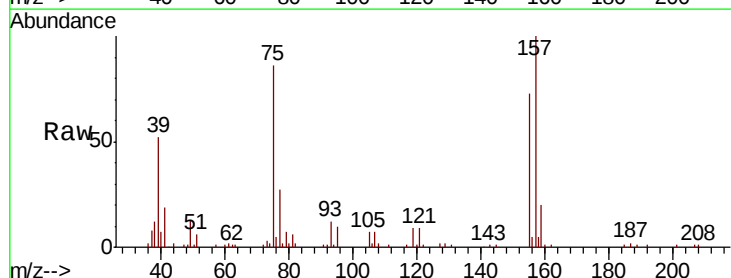
Instrument :
 MSVOA_W
 ClientSampleId :

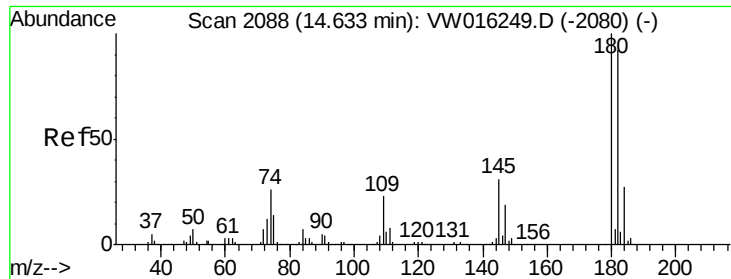
Tot Ion:146 Resp: 254680
 Ion Ratio Lower Upper
 146 100
 111 46.6 35.3 52.9
 148 64.7 49.0 73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.189 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

Tgt Ion: 75 Resp: 17061
 Ion Ratio Lower Upper
 75 100
 157 116.0 73.9 110.9#
 155 85.1 63.4 95.2

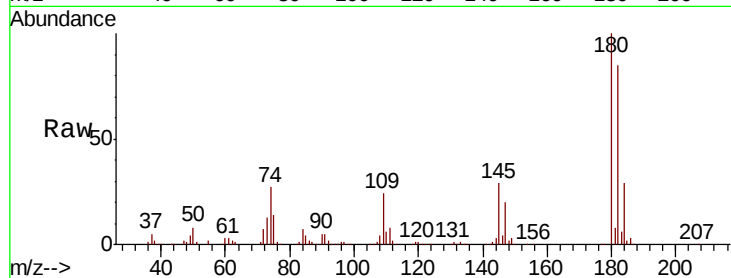




#67
 1,3,5-Trichlorobenzene
 Concen: 30.352 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.3	114.5
184	29.6	25.1	37.7
145	32.0	26.9	40.3

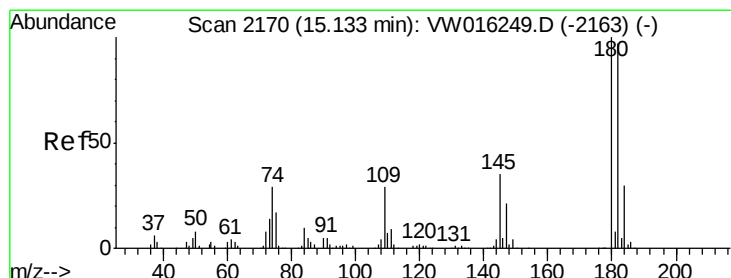
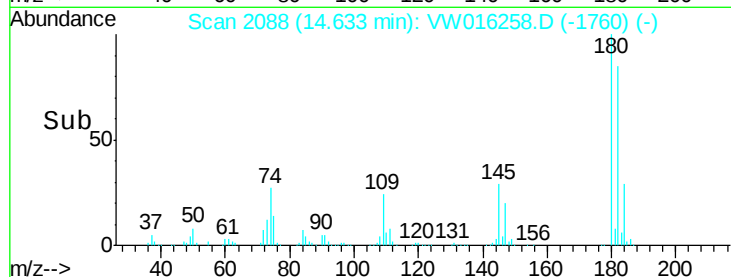
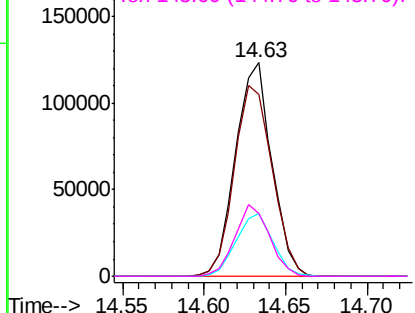


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

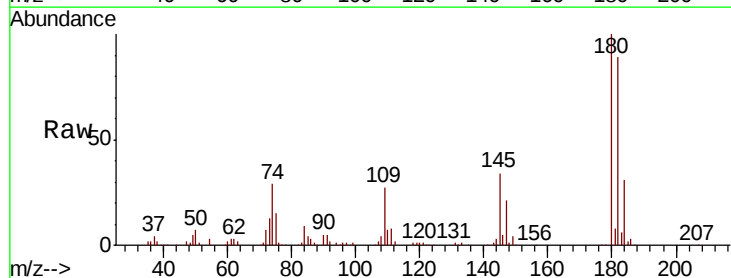
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 29.572 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016258.D
 Acq: 19 Aug 2020 16:08

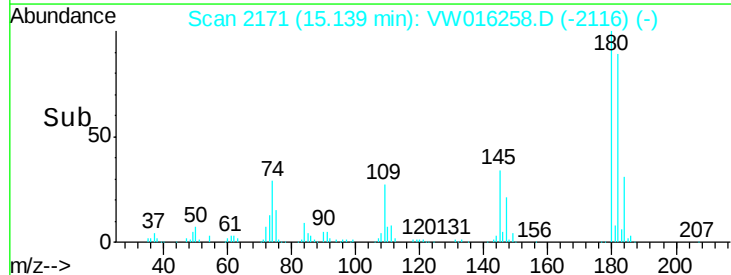
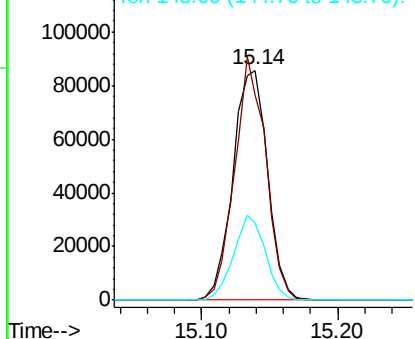
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.8	116.8
145	33.8	26.5	39.7

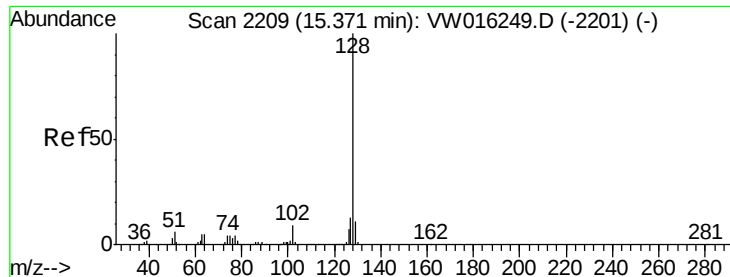


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.685 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

Instrument :

MSVOA_W

ClientSampleId :

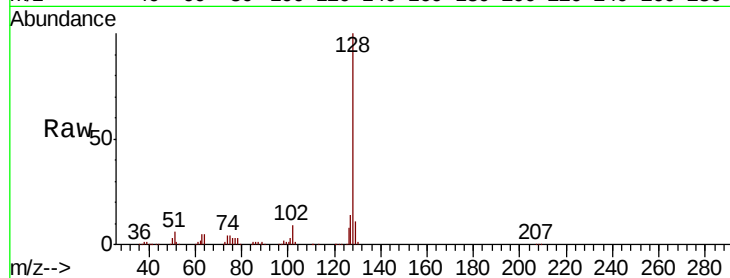
Tot Ion:128 Resp: 288496

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

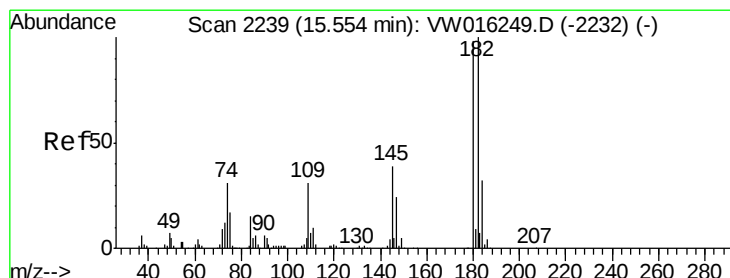
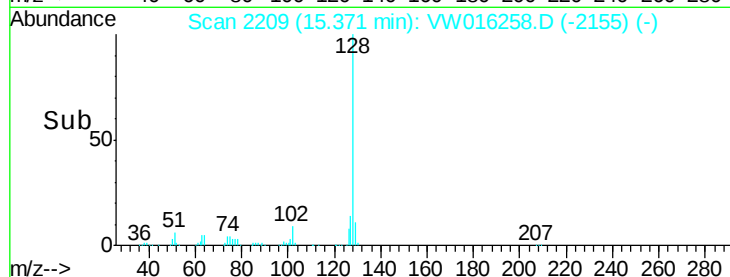
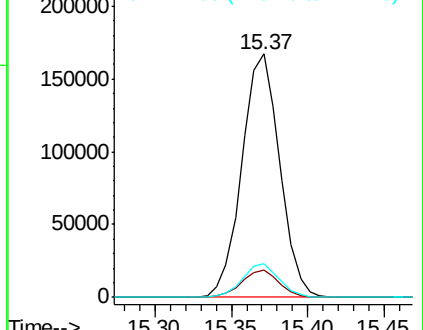
127 13.4 10.3 15.5



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: 29.317 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016258.D

Acq: 19 Aug 2020 16:08

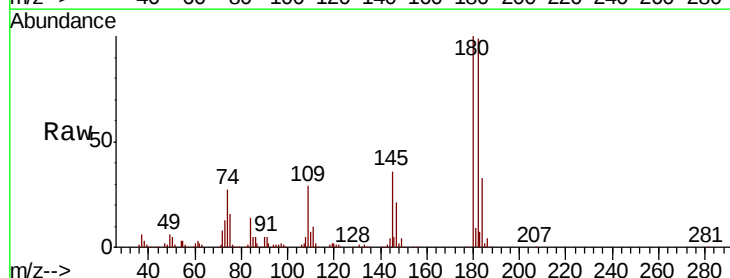
Tgt Ion:180 Resp: 136418

Ion Ratio Lower Upper

180 100

182 95.2 76.0 114.0

145 35.6 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

