

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090620\
 Data File : VW016487.D
 Acq On : 06 Sep 2020 16:13
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 07 04:53:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 07 04:50:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	583020	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	513611	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	247525	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	127893	20.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.72%
7) Chloroethane-d5	2.90	69	123301	22.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.80%
10) 1,1-Dichloroethene-d2	4.03	63	302176	21.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.00%
20) 2-Butanone-d5	7.08	46	75349	34.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.22%
24) Chloroform-d	7.65	84	308762	22.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.44%
26) 1,2-Dichloroethane-d4	8.31	65	154699	20.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.88%
29) Benzene-d6	8.28	84	585686	22.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.72%
33) 1,2-Dichloropropane-d6	9.27	67	167190	21.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.20%
37) Toluene-d8	10.33	98	572404	23.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.24%
38) trans-1,3-Dichloropropene-	10.58	79	77479	20.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.08%
39) 2-Hexanone-d5	10.93	63	62756	40.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	140912	21.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	197641	23.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.02	85	149353	22.897	ug/L	98
3) Chloromethane	2.22	50	132437	23.126	ug/L	100
5) Vinyl chloride	2.37	62	189849	26.027	ug/L	100
6) Bromomethane	2.79	94	147248	27.009	ug/L	99
8) Chloroethane	2.93	64	122896	27.388	ug/L	99
9) Trichlorofluoromethane	3.27	101	159595	26.717	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	183738	26.005	ug/L	96
12) 1,1-Dichloroethene	4.05	96	183896	25.597	ug/L	97
13) Acetone	4.12	43	55601	39.215	ug/L	98
14) Carbon disulfide	4.39	76	545810	24.860	ug/L	100
15) Methyl Acetate	4.68	43	67608	19.661	ug/L	95
16) Methylene chloride	4.92	84	179010	19.674	ug/L	92
17) Methyl tert-butyl Ether	5.43	73	269101	24.968	ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	194031	25.426	ug/L	93
19) 1,1-Dichloroethane	6.23	63	317863	24.473	ug/L	97
21) 2-Butanone	7.17	43	87473	36.758	ug/L	93
22) cis-1,2-Dichloroethene	7.18	96	202501	25.472	ug/L	95

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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

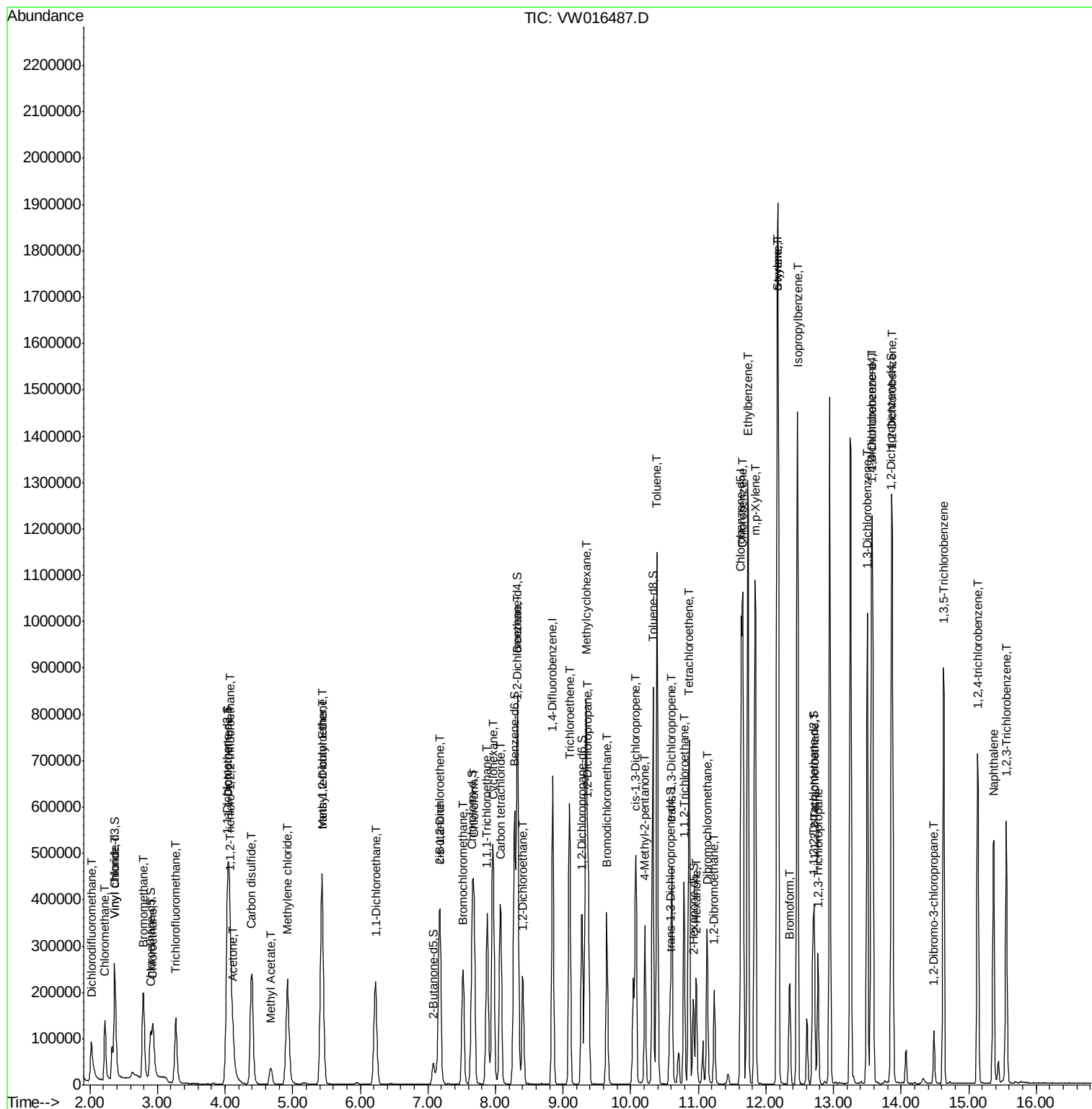
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	92292	25.045	ug/L	94
25) Chloroform	7.68	83	336244	25.012	ug/L	99
27) 1,2-Dichloroethane	8.40	62	210818	23.551	ug/L	100
30) Cyclohexane	7.96	56	300680	24.508	ug/L	96
31) 1,1,1-Trichloroethane	7.88	97	305921	27.507	ug/L	97
32) Carbon tetrachloride	8.07	117	286152	26.900	ug/L	100
34) Benzene	8.33	78	730909	26.028	ug/L	100
35) Trichloroethene	9.10	95	203992	26.216	ug/L	98
36) Methylcyclohexane	9.34	83	353762	25.985	ug/L	95
40) 1,2-Dichloropropane	9.37	63	172638	24.864	ug/L	99
41) Bromodichloromethane	9.65	83	246151	25.358	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	282327	23.961	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	208138	42.334	ug/L	97
44) Toluene	10.39	91	831185	26.451	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	249828	23.721	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	135110	24.552	ug/L	97
47) Tetrachloroethene	10.87	164	161313	25.856	ug/L	98
49) 2-Hexanone	10.97	43	140278	40.969	ug/L	98
50) Dibromochloromethane	11.13	129	176922	25.426	ug/L	93
51) 1,2-Dibromoethane	11.24	107	132661	24.125	ug/L	95
52) Chlorobenzene	11.66	112	528626	26.519	ug/L	97
53) Ethylbenzene	11.73	91	939625	26.547	ug/L	98
54) m,p-Xylene	11.84	106	361797	26.745	ug/L	96
55) o-xylene	12.17	106	343807	26.681	ug/L	92
56) Styrene	12.18	104	580509	26.220	ug/L	98
57) Isopropylbenzene	12.47	105	959938	27.195	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	157591	24.023	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	112264	22.897	ug/L	99
62) Bromoform	12.35	173	97638	23.507	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	409619	26.285	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	390804	25.292	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	371200	26.798	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	27355	21.208	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	265652	24.733	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	214712	23.111	ug/L	98
69) Naphthalene	15.37	128	466109	23.772	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	188903	23.682	ug/L	99

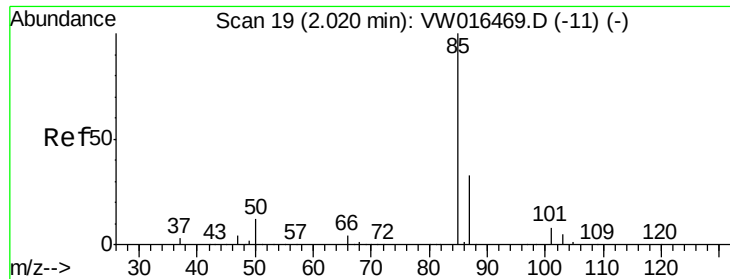
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.897 ug/L

RT: 2.02 min Scan# 19

Delta R.T. -0.00 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

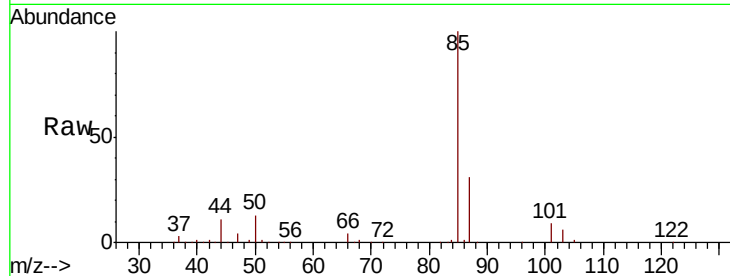
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 85 Resp: 149353

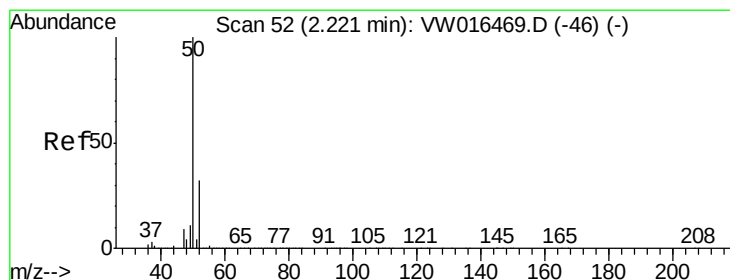
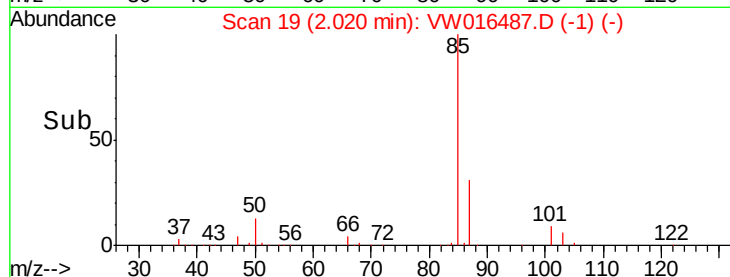
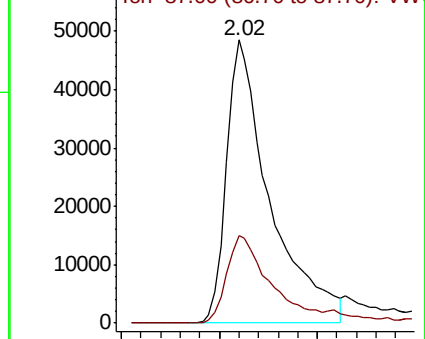
Ion Ratio Lower Upper

85 100

87 31.1 22.3 41.5



Abundance Ion 85.00 (84.70 to 85.70): VW
Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.126 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW016487.D

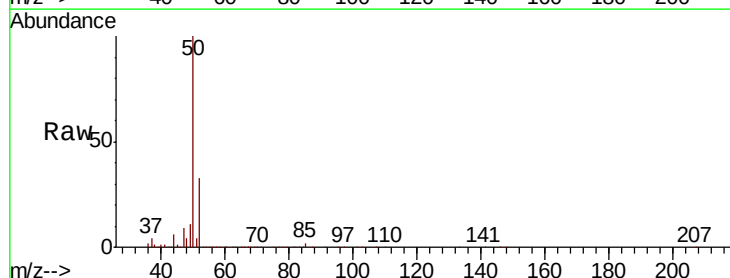
Acq: 06 Sep 2020 16:13

Tgt Ion: 50 Resp: 132437

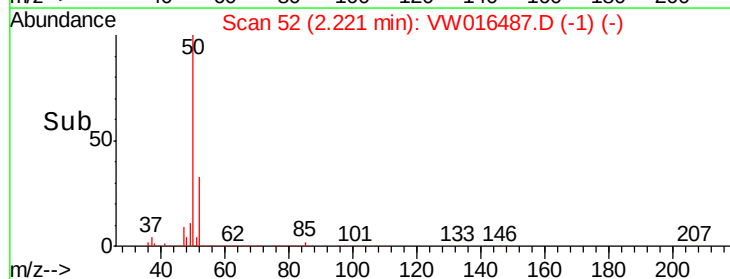
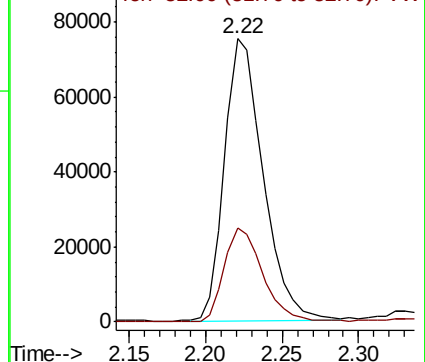
Ion Ratio Lower Upper

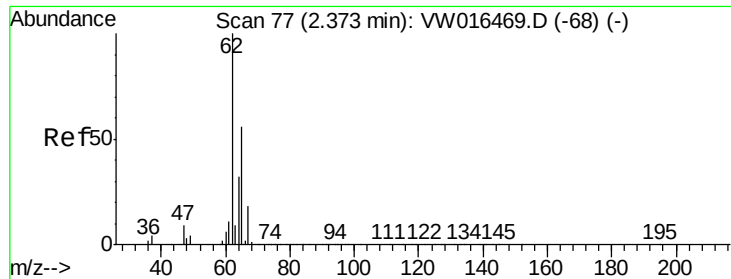
50 100

52 33.0 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VW
Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.027 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

Instrument :

MSVOA_W

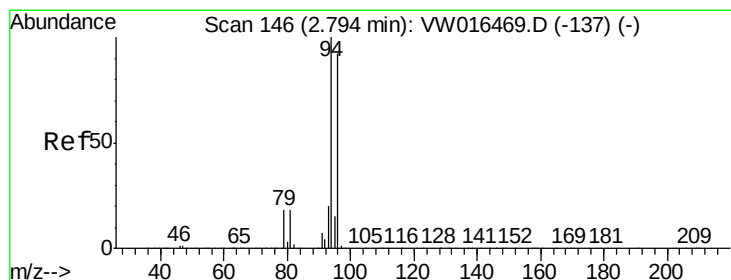
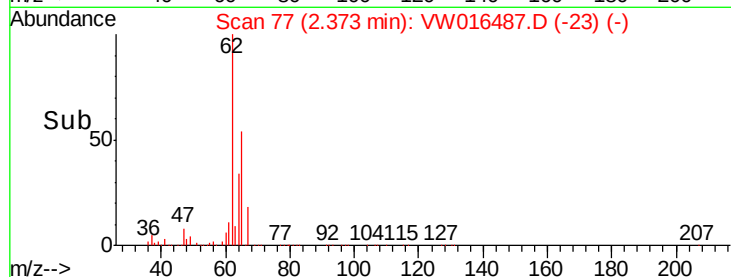
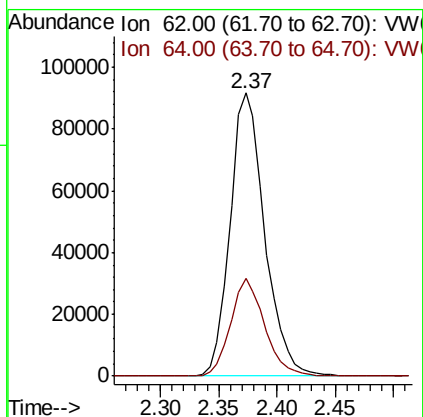
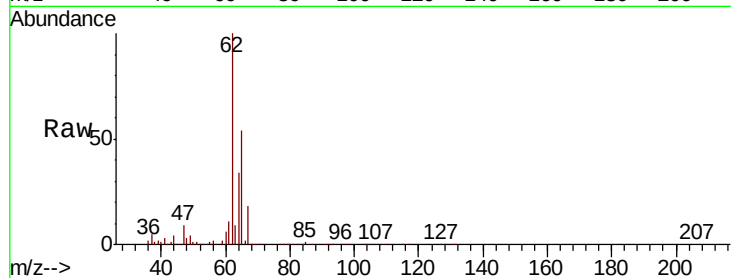
ClientSampled :

Tot Ion: 62 Resp: 189849

Ion Ratio Lower Upper

62 100

64 34.3 23.9 44.5



#6

Bromomethane

Concen: 27.009 ug/L

RT: 2.79 min Scan# 146

Delta R.T. -0.00 min

Lab File: VW016487.D

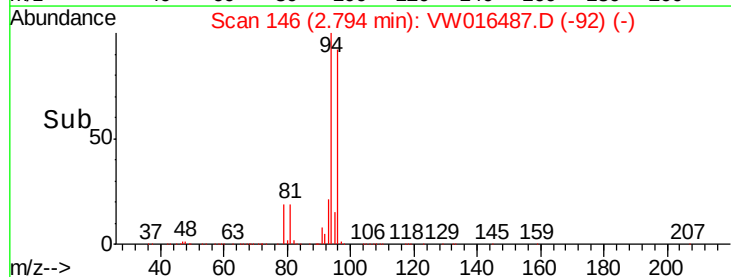
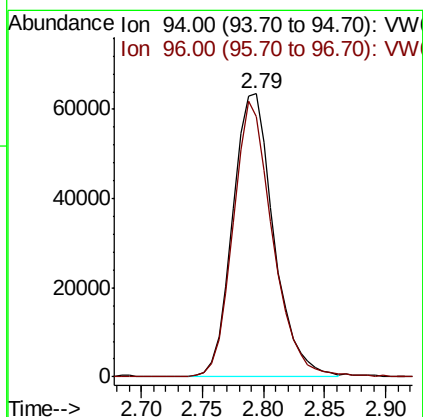
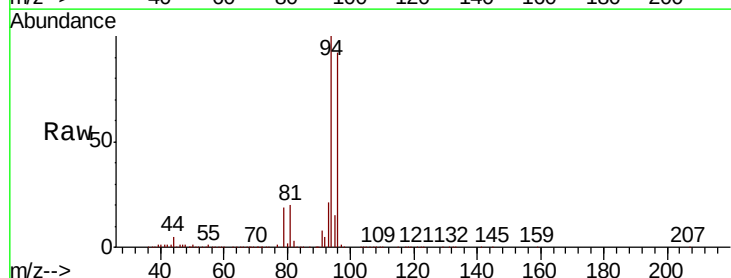
Acq: 06 Sep 2020 16:13

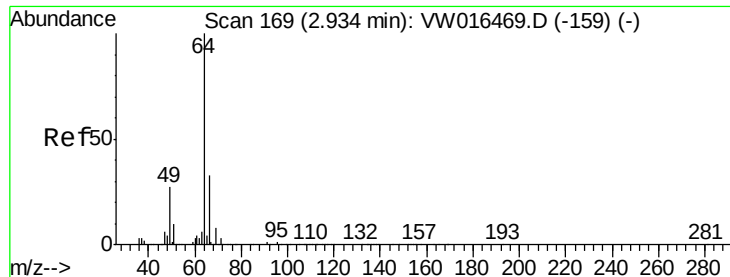
Tgt Ion: 94 Resp: 147248

Ion Ratio Lower Upper

94 100

96 93.2 9.4 178.2

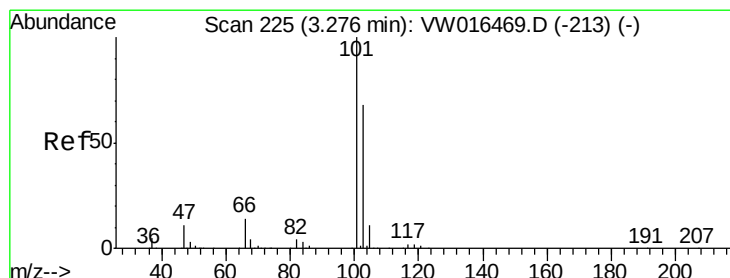
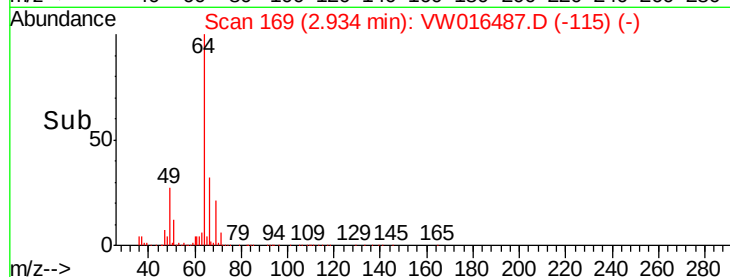
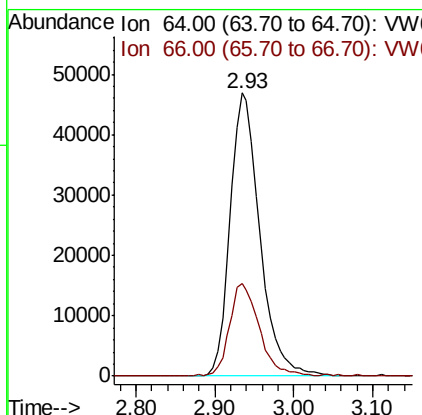
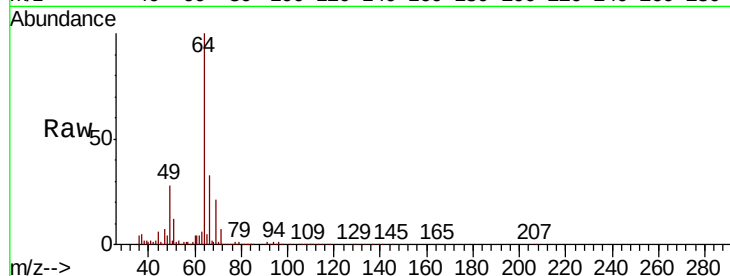




#8
Chloroethane
Concen: 27.388 ug/L
RT: 2.93 min Scan# 169
Delta R.T. -0.00 min
Lab File: VW016487.D
Acq: 06 Sep 2020 16:13

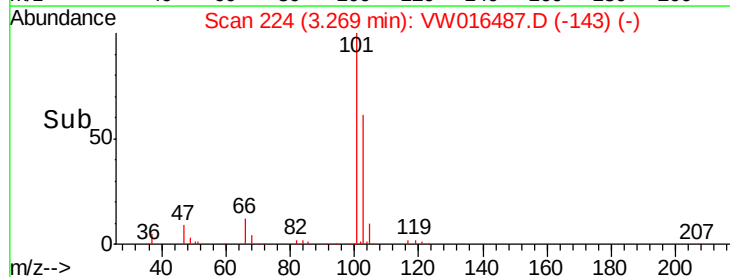
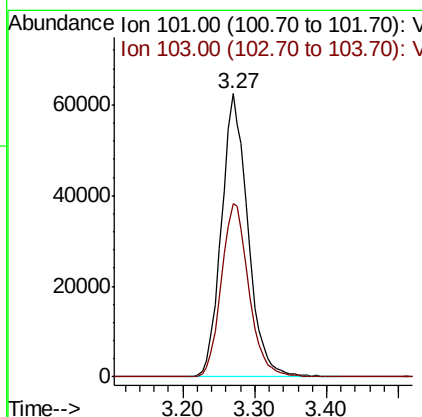
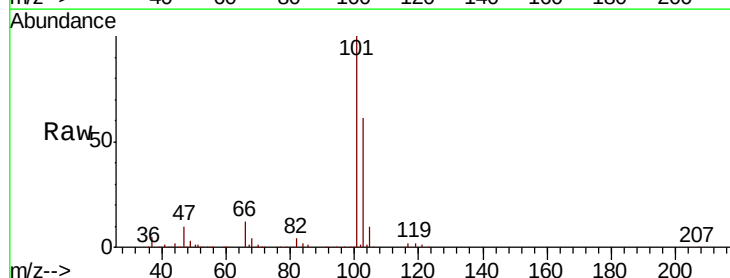
Instrument :
MSVOA_W
ClientSampled :

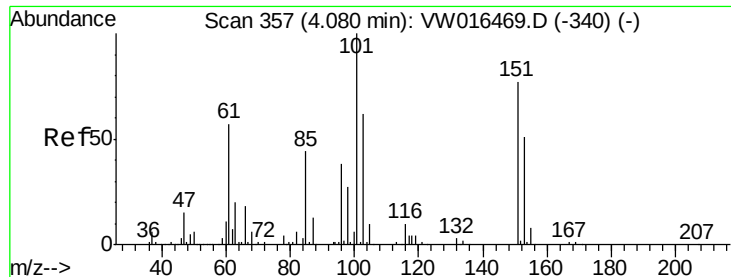
Tot Ion: 64 Resp: 122896
Ion Ratio Lower Upper
64 100
66 32.6 22.4 41.6



#9
Trichlorofluoromethane
Concen: 26.717 ug/L
RT: 3.27 min Scan# 224
Delta R.T. -0.01 min
Lab File: VW016487.D
Acq: 06 Sep 2020 16:13

Tgt Ion: 101 Resp: 159595
Ion Ratio Lower Upper
101 100
103 63.5 45.1 83.7





#11

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

Concen: 26.005 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.00 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

Instrument :

MSVOA_W

ClientSampled :

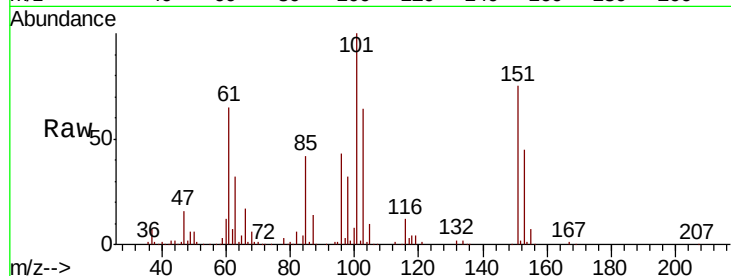
Tot Ion:101 Resp: 183738

Ion Ratio Lower Upper

101 100

85 44.3 33.4 50.0

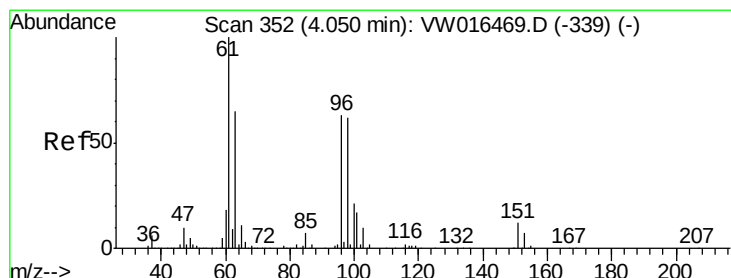
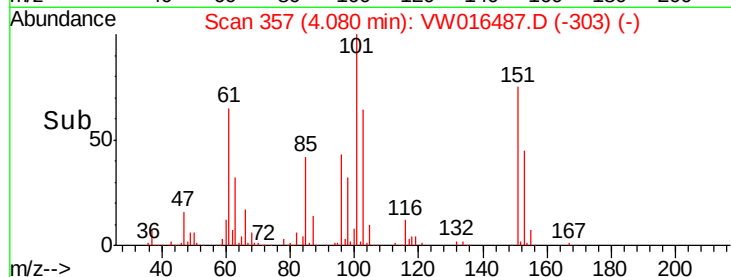
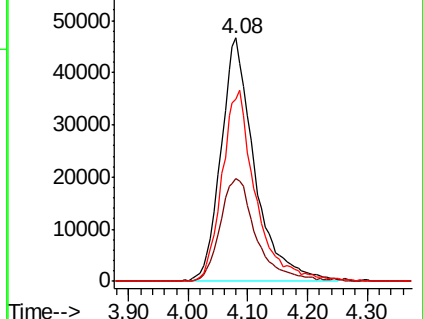
151 73.6 61.6 92.4



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: 25.597 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

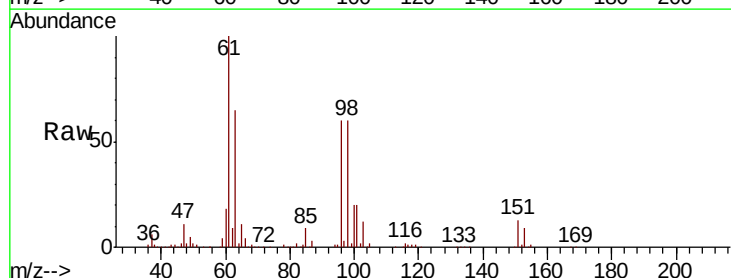
Tgt Ion: 96 Resp: 183896

Ion Ratio Lower Upper

96 100

61 166.1 116.5 216.3

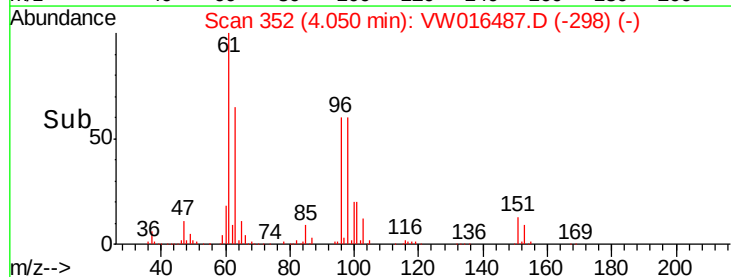
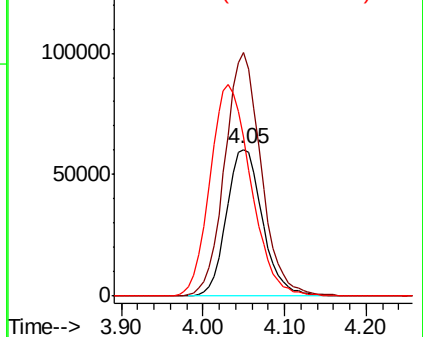
63 108.7 81.1 150.5

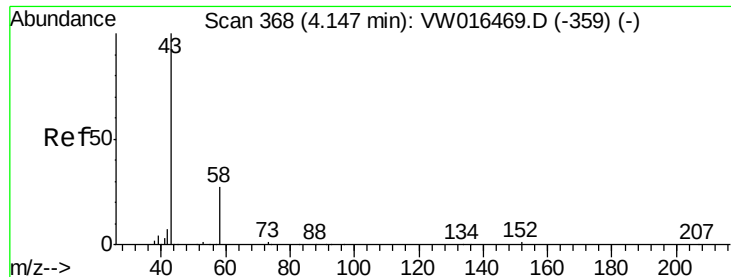


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.215 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

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MSVOA_W

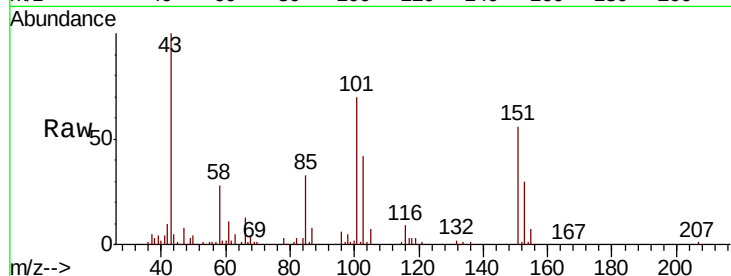
ClientSampled :

Tot Ion: 43 Resp: 55601

Ion Ratio Lower Upper

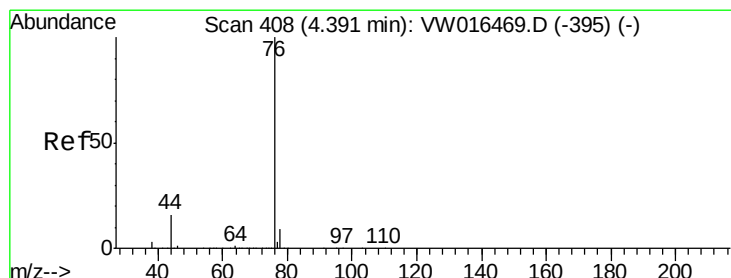
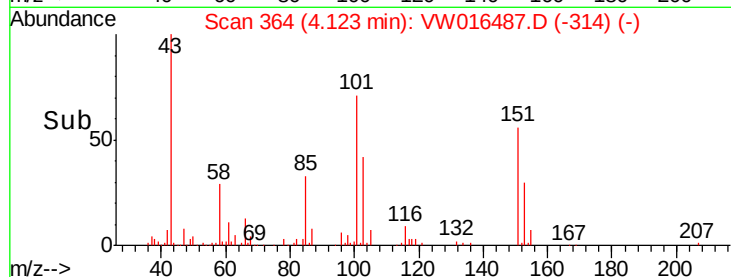
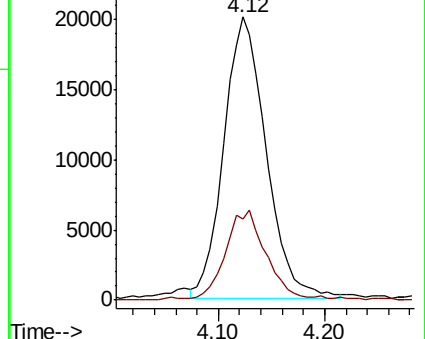
43 100

58 30.6 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.860 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016487.D

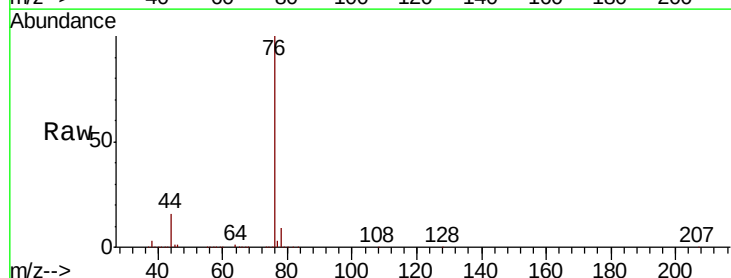
Acq: 06 Sep 2020 16:13

Tgt Ion: 76 Resp: 545810

Ion Ratio Lower Upper

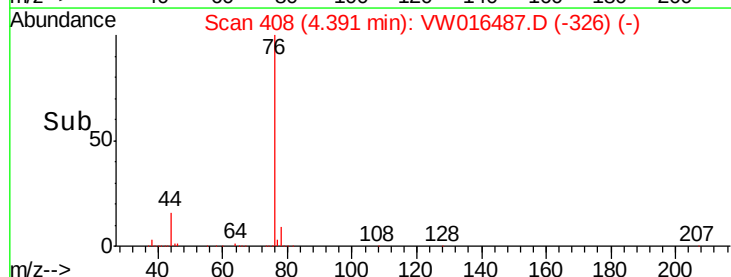
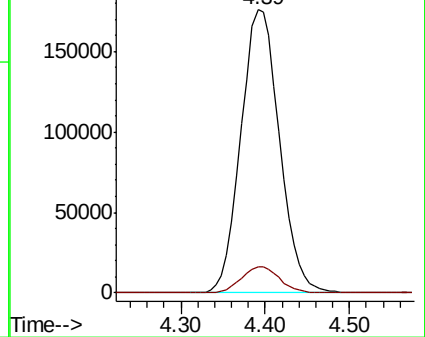
76 100

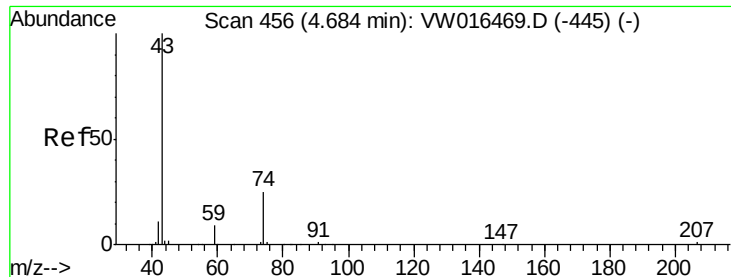
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

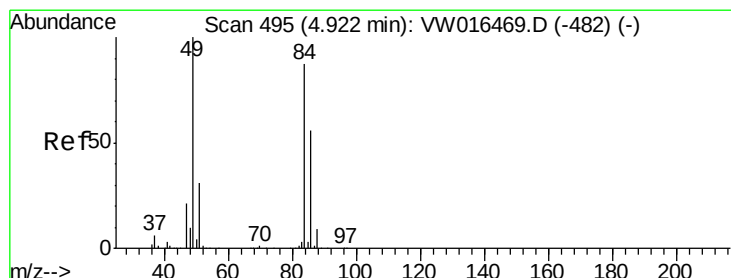
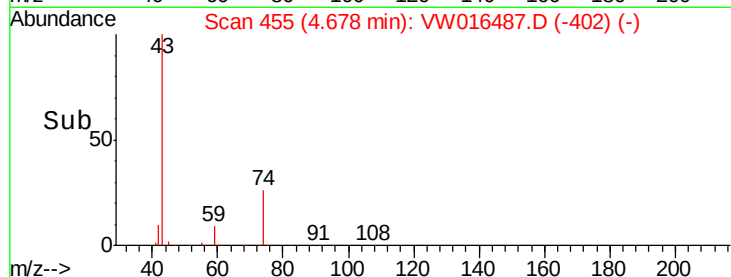
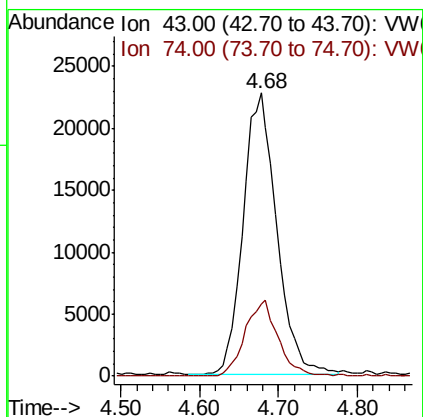
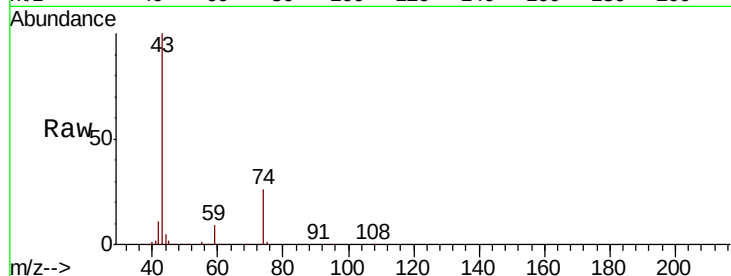




#15
Methvl Acetate
Concen: 19.661 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW016487.D
Acq: 06 Sep 2020 16:13

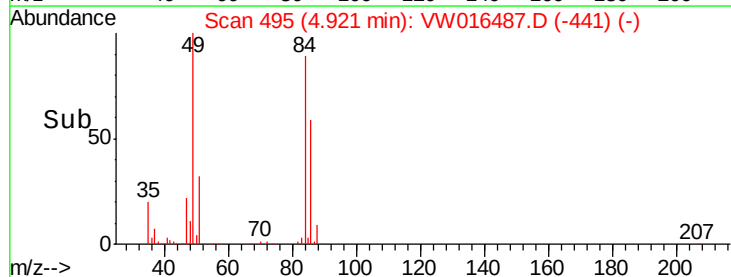
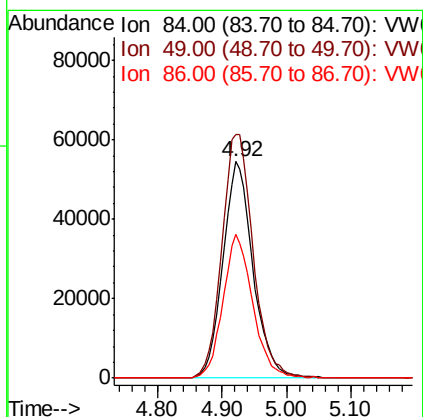
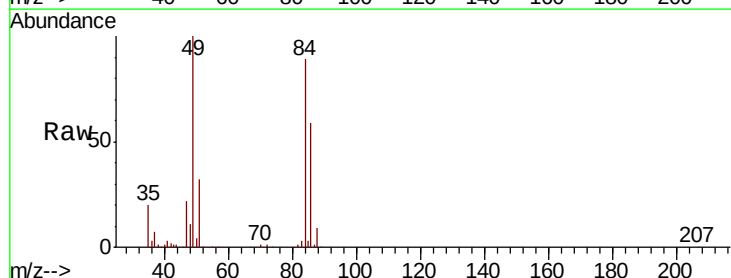
Instrument :
MSVOA_W
ClientSampled :

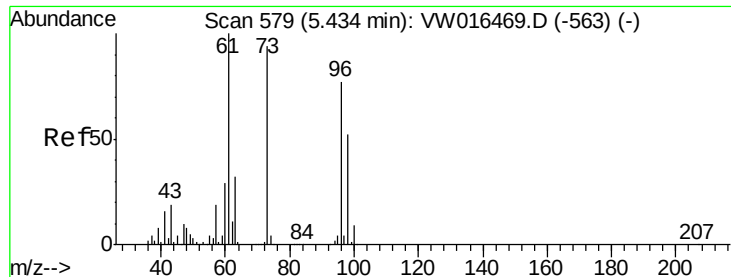
Tot Ion: 43 Resp: 67608
Ion Ratio Lower Upper
43 100
74 26.2 18.9 28.3



#16
Methylene chloride
Concen: 19.674 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW016487.D
Acq: 06 Sep 2020 16:13

Tgt Ion: 84 Resp: 179010
Ion Ratio Lower Upper
84 100
49 112.5 86.7 160.9
86 66.4 44.9 83.5

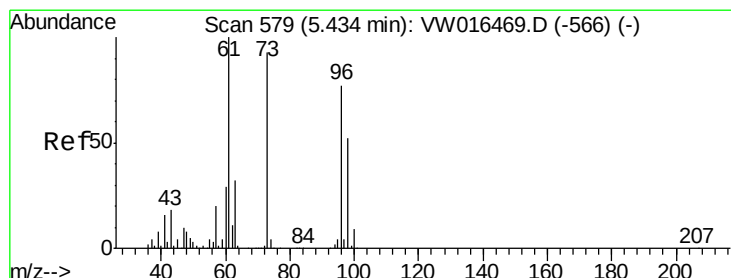
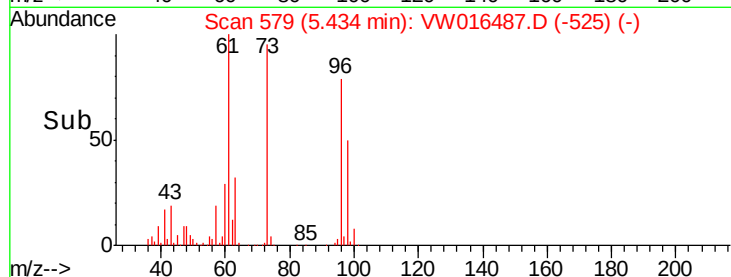
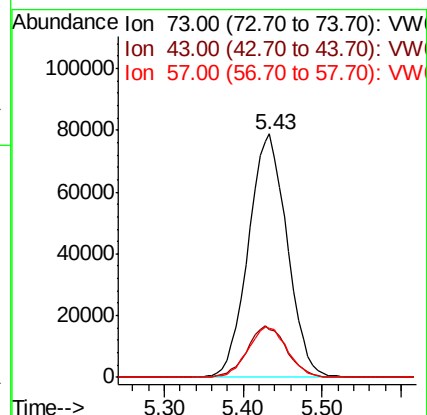
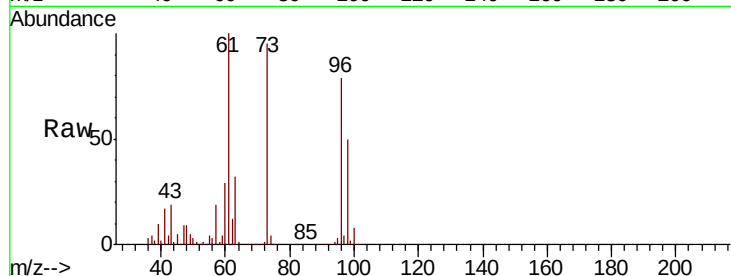




#17
Methvl tert-butyl Ether
Concen: 24.968 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW016487.D
Acq: 06 Sep 2020 16:13

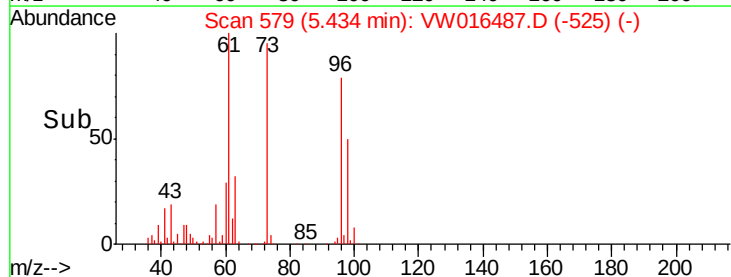
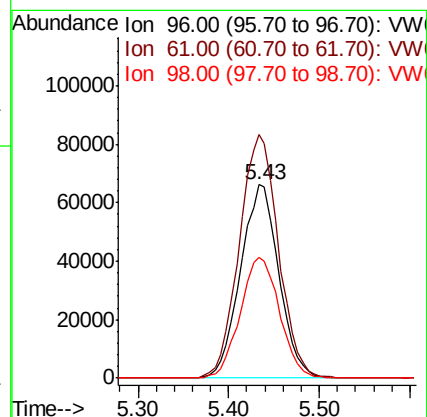
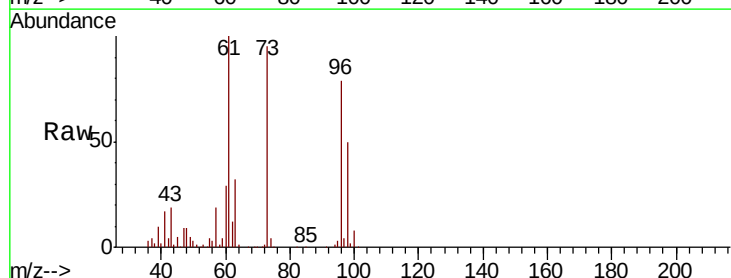
Instrument :
MSVOA_W
ClientSampled :

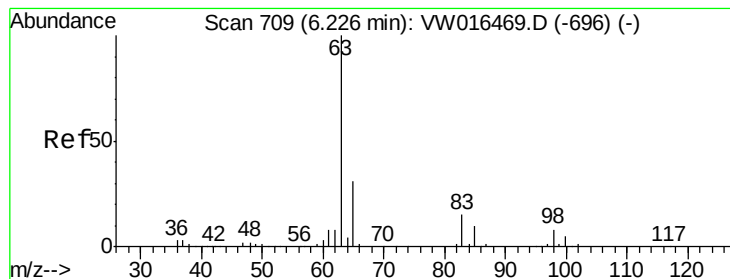
Tot Ion	Ratio	Lower	Upper
73	100		
43	21.1	17.9	26.9
57	20.9	17.4	26.0



#18
trans-1,2-Dichloroethene
Concen: 25.426 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW016487.D
Acq: 06 Sep 2020 16:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.8	96.4	179.0
98	62.6	45.1	83.7





#19

1,1-Dichloroethane

Concen: 24.473 ug/L

RT: 6.23 min Scan# 709

Delta R.T. -0.00 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

Instrument :

MSVOA_W

ClientSampled :

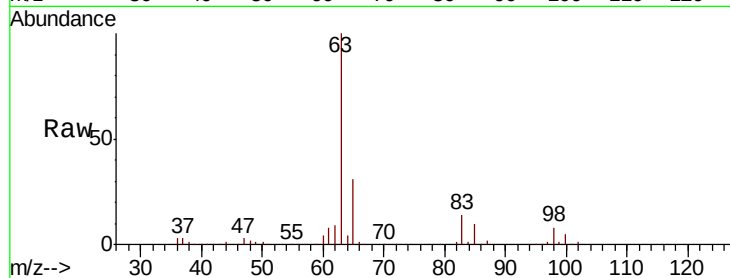
Tot Ion: 63 Resp: 317863

Ion Ratio Lower Upper

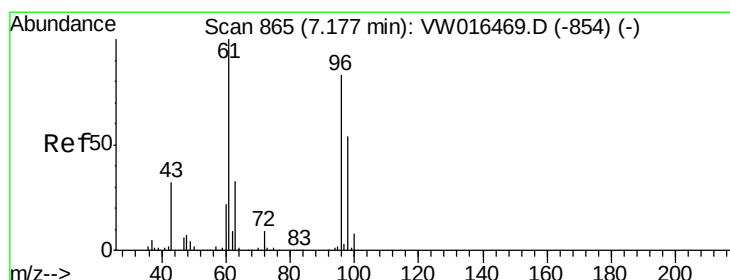
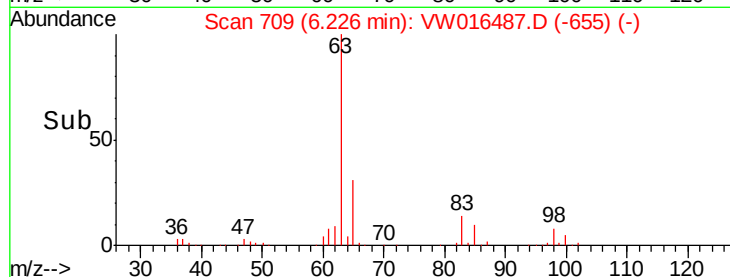
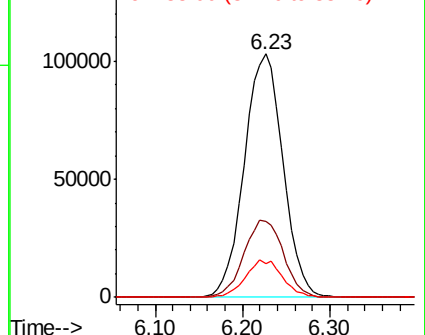
63 100

65 31.4 23.3 43.3

83 14.0 10.3 19.1



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: 36.758 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016487.D

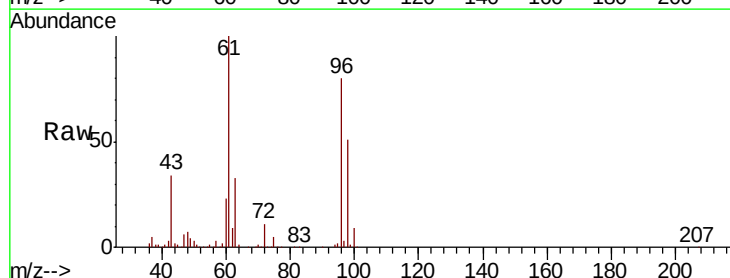
Acq: 06 Sep 2020 16:13

Tgt Ion: 43 Resp: 87473

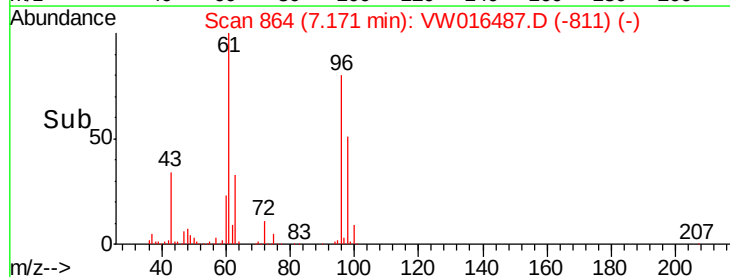
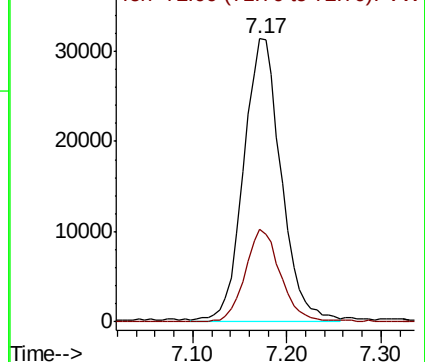
Ion Ratio Lower Upper

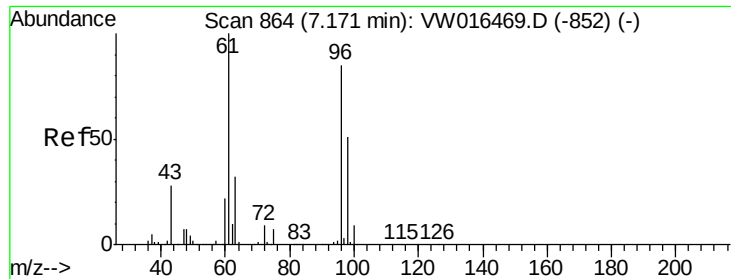
43 100

72 30.7 13.5 40.4



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



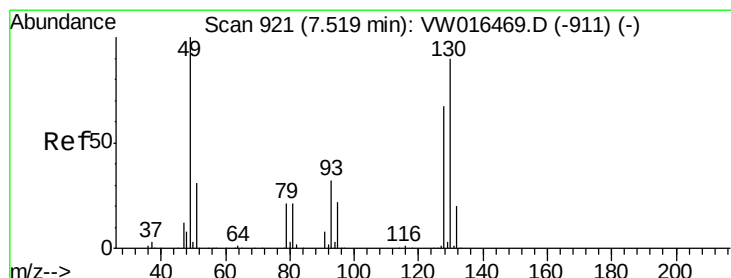
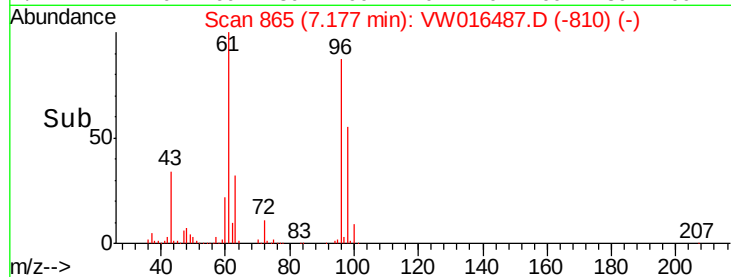
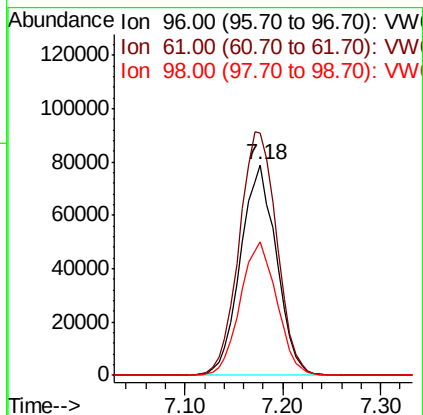
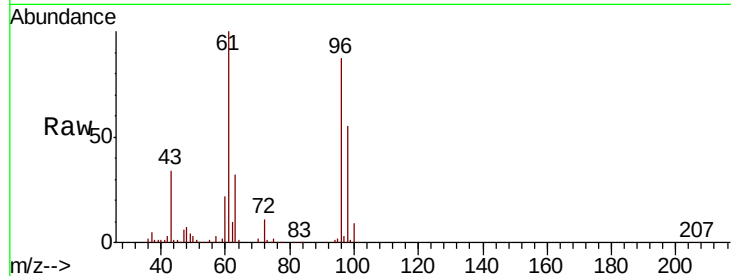


#22

cis-1,2-Dichloroethene
Concen: 25.472 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW016487.D
Acq: 06 Sep 2020 16:13

Instrument :
MSVOA_W
ClientSampleId :

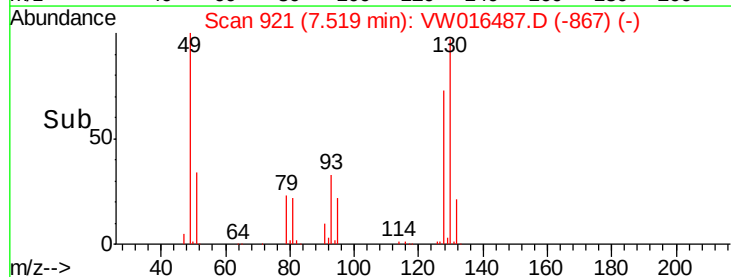
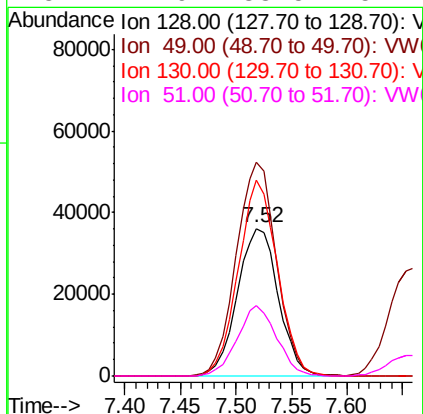
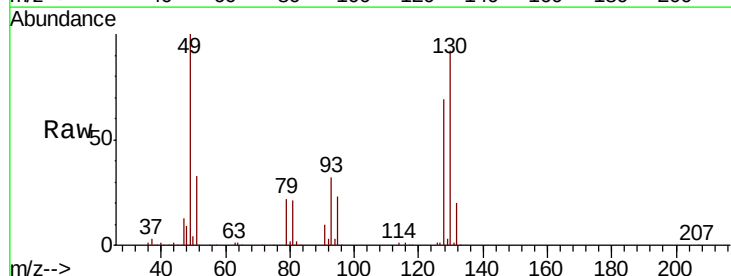
Tot Ion: 96 Resp: 202501
Ion Ratio Lower Upper
96 100
61 115.2 86.1 159.9
98 63.4 44.1 81.9

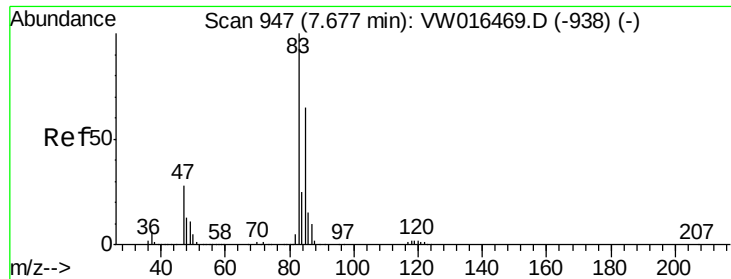


#23

Bromochloromethane
Concen: 25.045 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW016487.D
Acq: 06 Sep 2020 16:13

Tgt Ion: 128 Resp: 92292
Ion Ratio Lower Upper
128 100
49 144.5 111.6 207.4
130 132.4 90.9 168.7
51 47.9 38.5 57.7





#25

Chloroform

Concen: 25.012 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

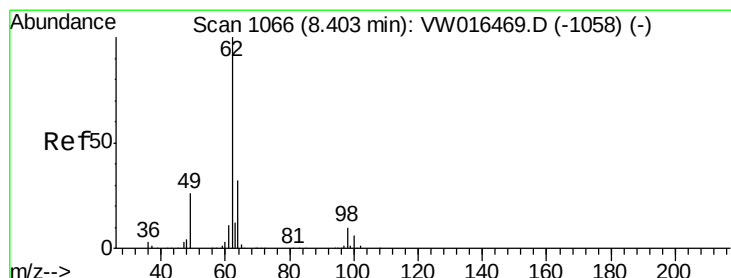
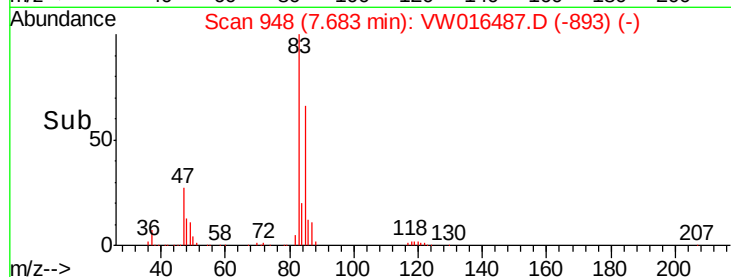
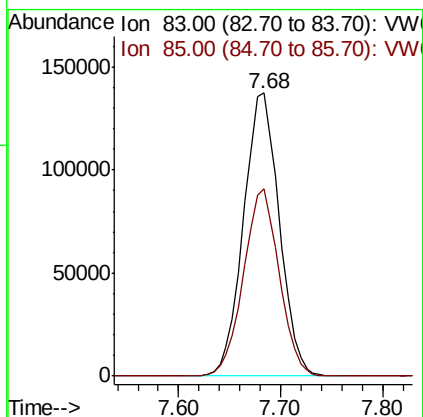
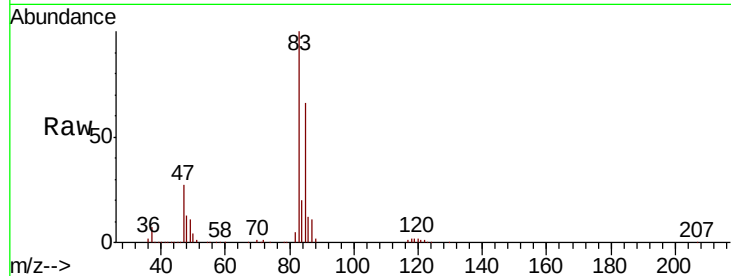
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 336244

Ion Ratio Lower Upper

83 100

85 66.1 45.6 84.8



#27

1,2-Dichloroethane

Concen: 23.551 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016487.D

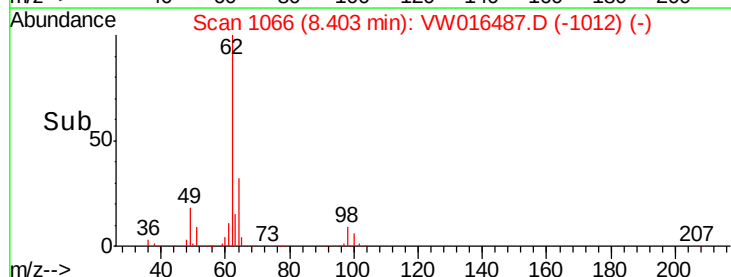
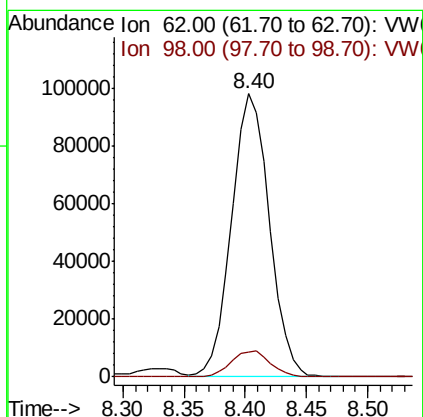
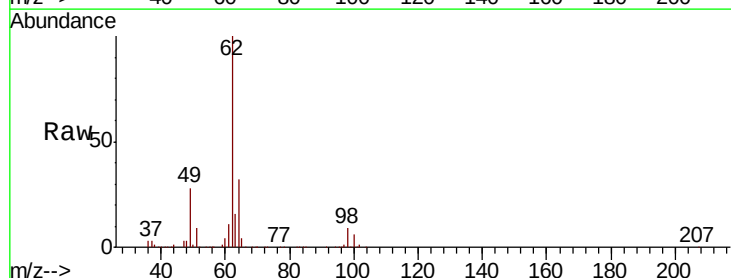
Acq: 06 Sep 2020 16:13

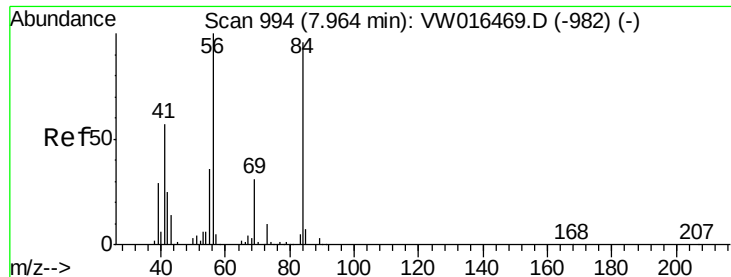
Tgt Ion: 62 Resp: 210818

Ion Ratio Lower Upper

62 100

98 9.0 7.3 10.9

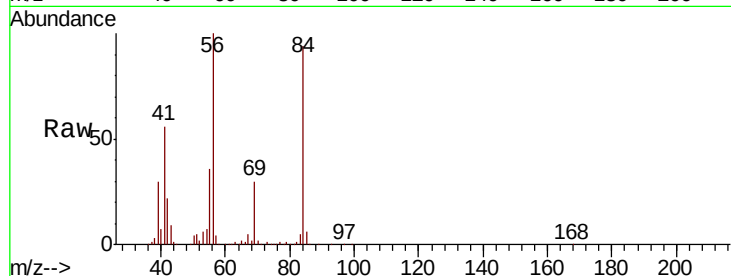




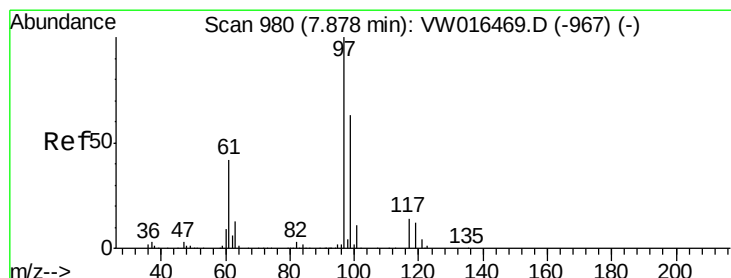
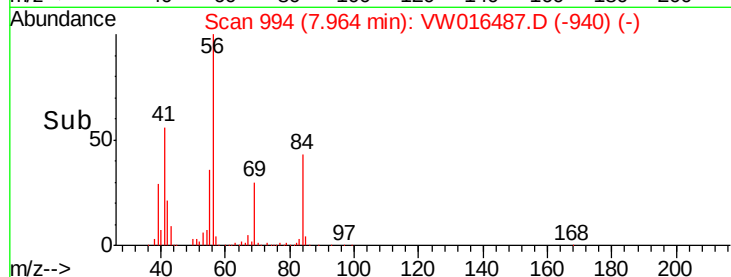
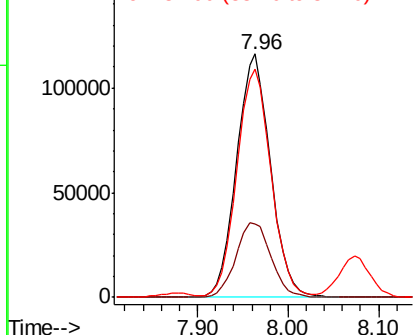
#30
Cyclohexane
Concen: 24.508 ug/L
RT: 7.96 min Scan# 994
Delta R.T. -0.00 min
Lab File: VW016487.D
Acq: 06 Sep 2020 16:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.3	37.9
84	94.7	71.6	107.4

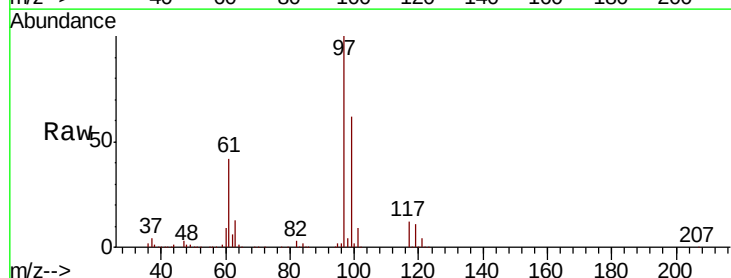


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

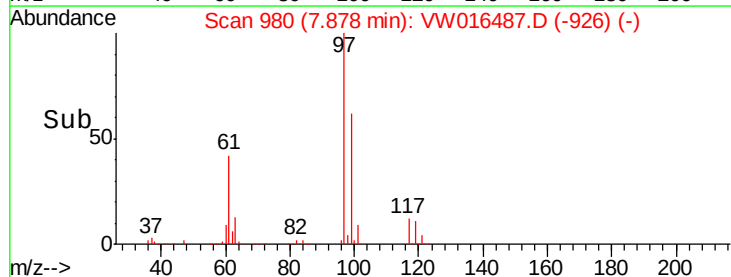
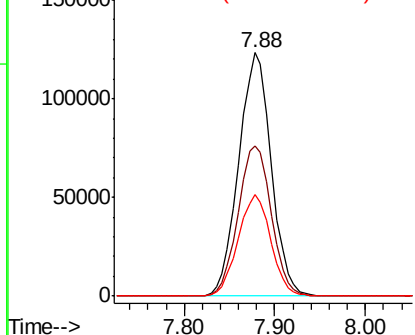


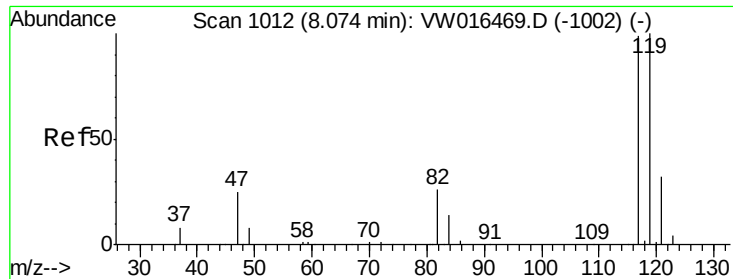
#31
1,1,1-Trichloroethane
Concen: 27.507 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW016487.D
Acq: 06 Sep 2020 16:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.2	78.2
61	42.1	36.3	54.5



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: 26.900 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

Instrument :

MSVOA_W

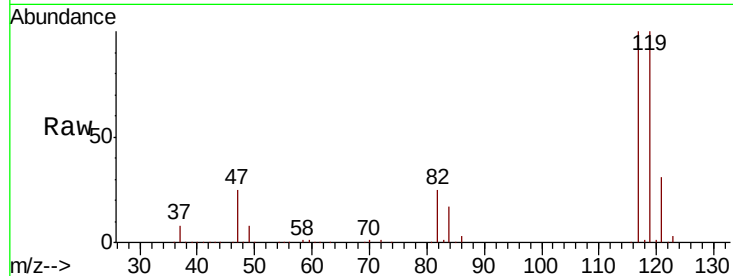
ClientSampleId :

Tot Ion:117 Resp: 286152

Ion Ratio Lower Upper

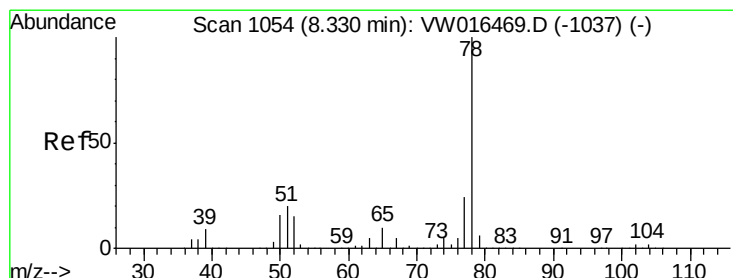
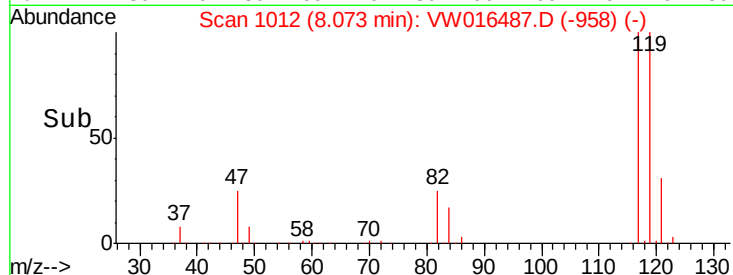
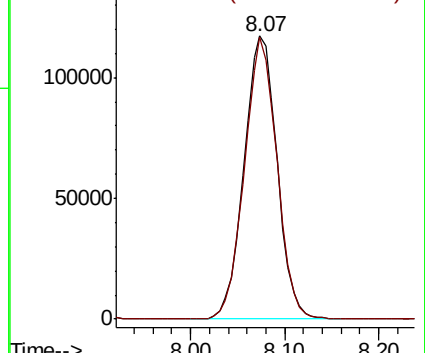
117 100

119 97.4 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.028 ug/L

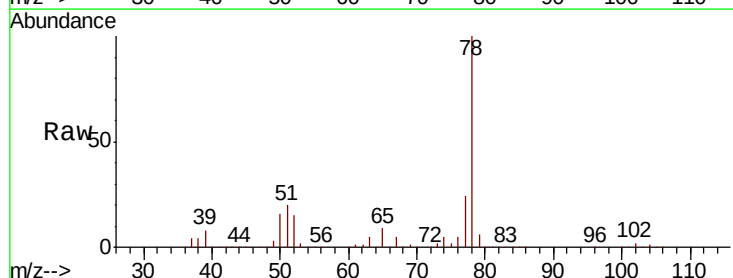
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

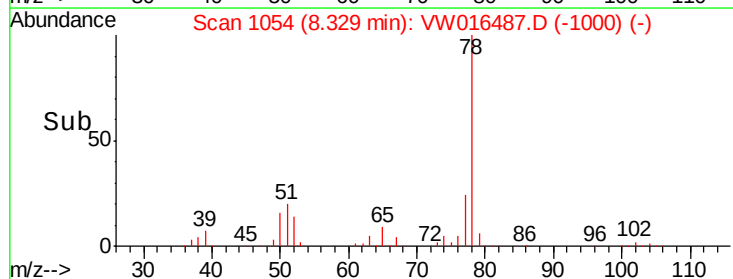
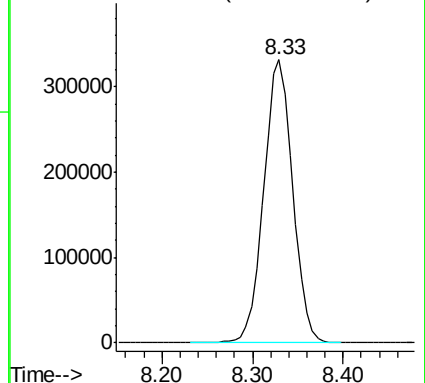
Lab File: VW016487.D

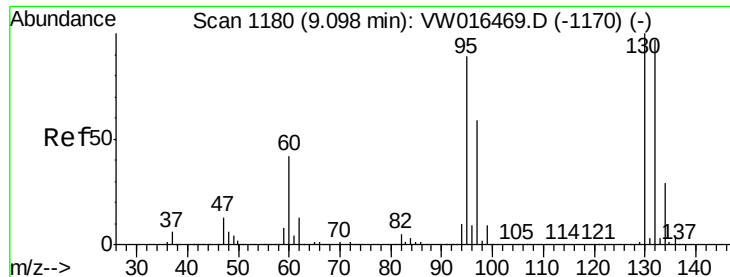
Acq: 06 Sep 2020 16:13

Tgt Ion: 78 Resp: 730909



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.216 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 203992

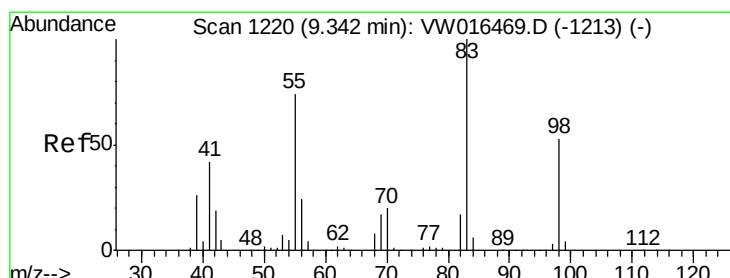
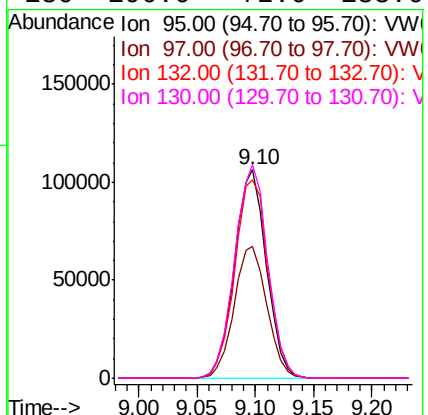
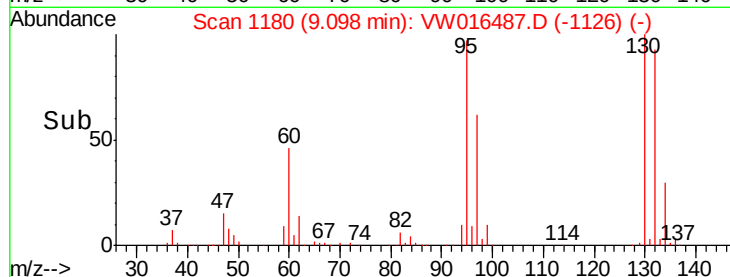
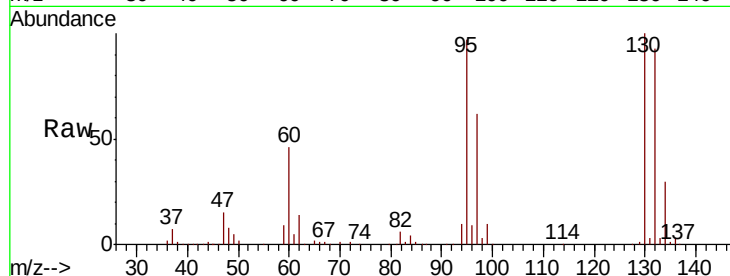
Ion Ratio Lower Upper

95 100

97 64.9 44.9 83.5

132 99.7 69.2 128.4

130 106.0 72.0 133.6



#36

Methylcyclohexane

Concen: 25.985 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

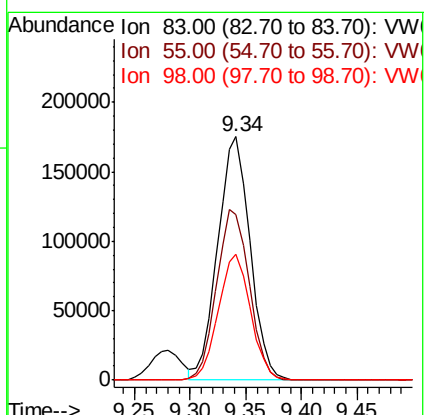
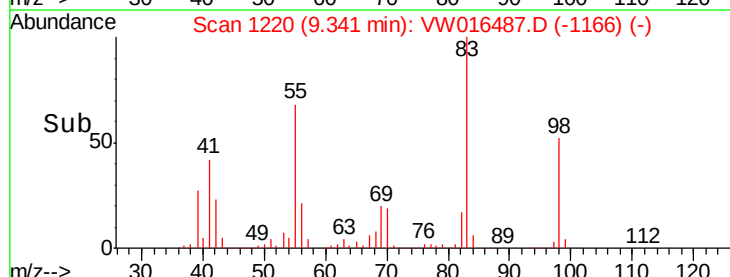
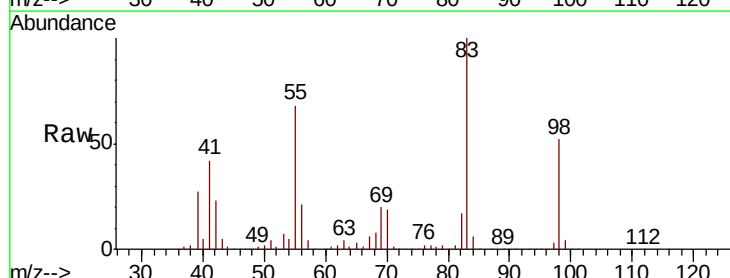
Tgt Ion: 83 Resp: 353762

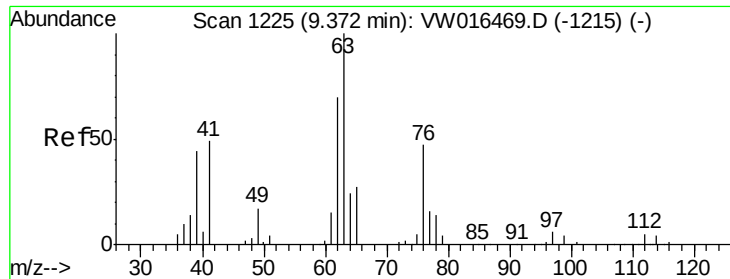
Ion Ratio Lower Upper

83 100

55 70.6 60.9 91.3

98 51.4 40.0 60.0

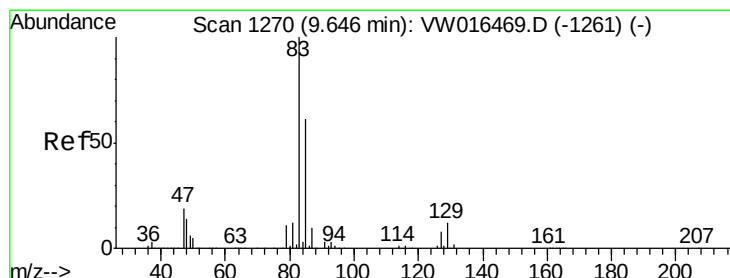
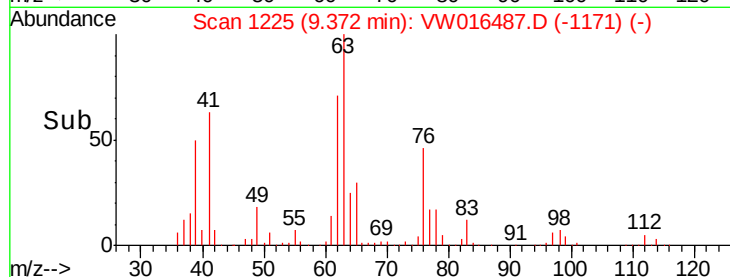
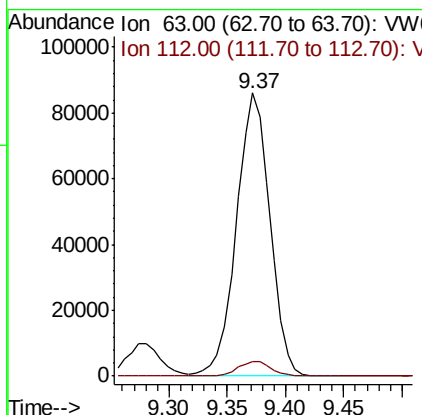
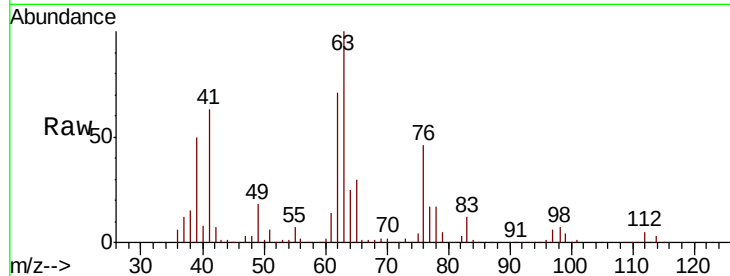




#40
 1,2-Dichloropropane
 Concen: 24.864 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016487.D
 Acq: 06 Sep 2020 16:13

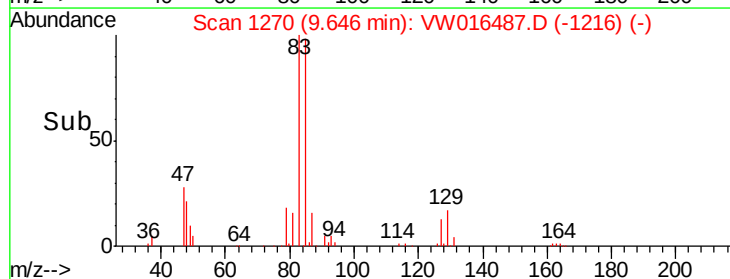
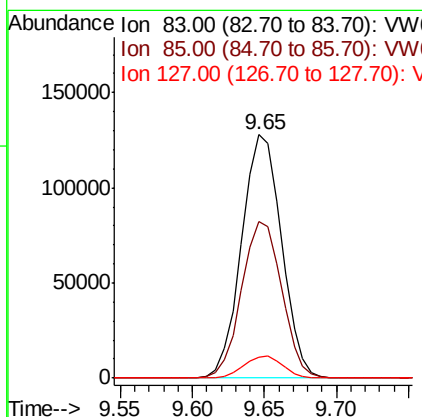
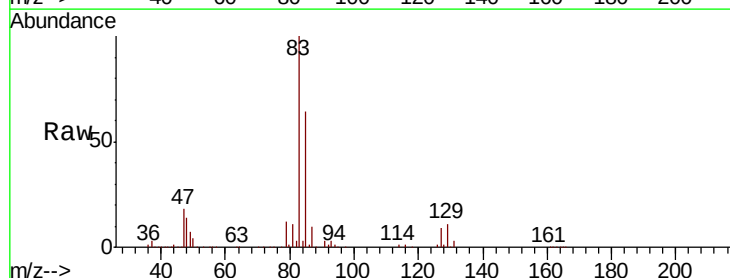
Instrument :
 MSVOA_W
 ClientSampled :

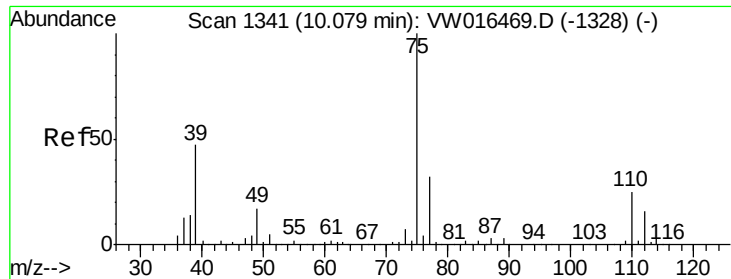
Tot Ion: 63 Resp: 172638
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.8



#41
 Bromodichloromethane
 Concen: 25.358 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016487.D
 Acq: 06 Sep 2020 16:13

Tgt Ion: 83 Resp: 246151
 Ion Ratio Lower Upper
 83 100
 85 64.1 43.5 80.7
 127 8.6 6.7 10.1

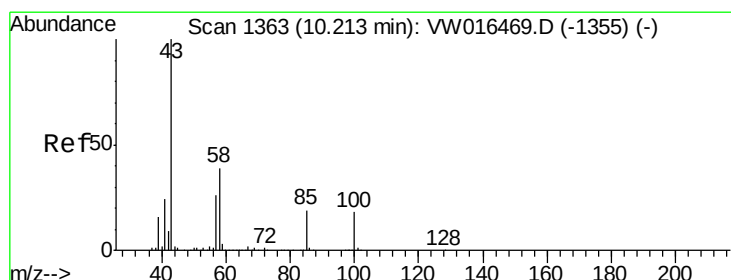
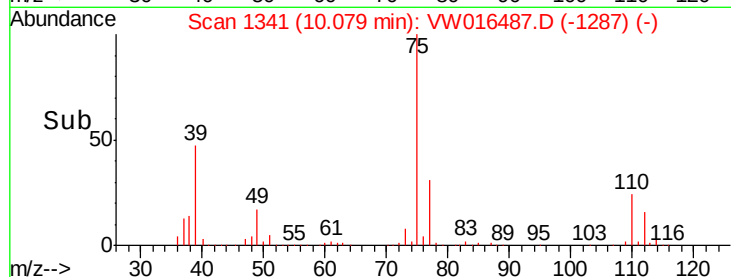
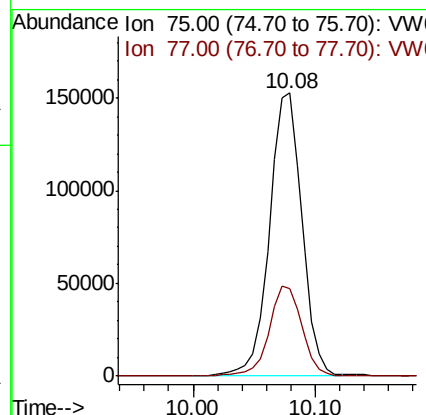
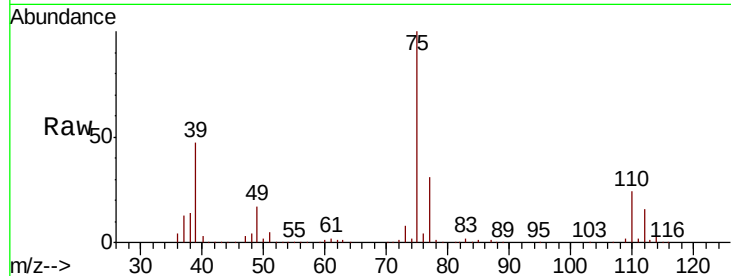




#42
 cis-1,3-Dichloropropene
 Concen: 23.961 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VW016487.D
 Acq: 06 Sep 2020 16:13

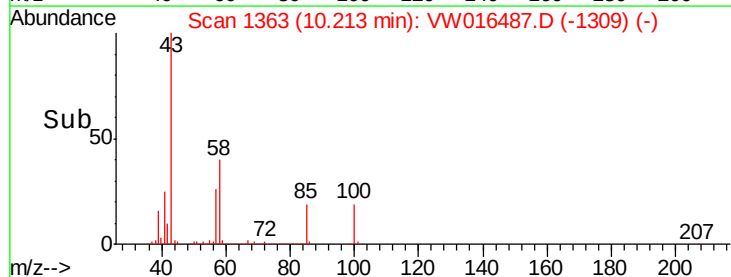
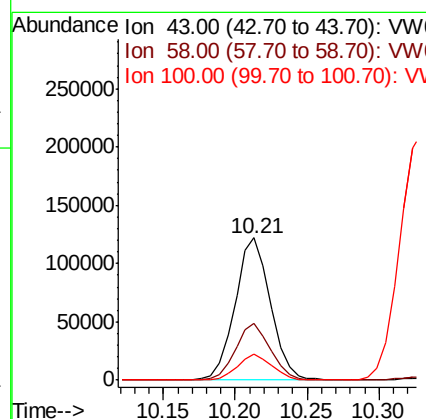
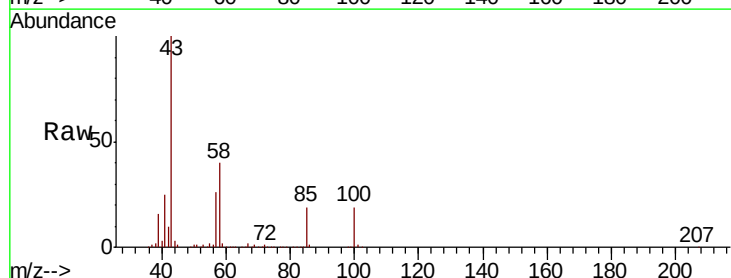
Instrument :
 MSVOA_W
 ClientSampleId :

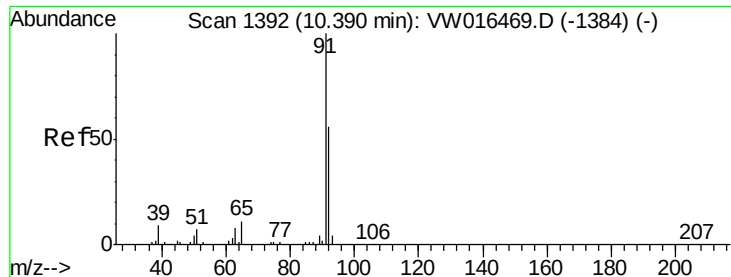
Tot Ion: 75 Resp: 282327
 Ion Ratio Lower Upper
 75 100
 77 30.9 20.9 38.7



#43
 4-Methyl-2-pentanone
 Concen: 42.334 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016487.D
 Acq: 06 Sep 2020 16:13

Tgt Ion: 43 Resp: 208138
 Ion Ratio Lower Upper
 43 100
 58 39.8 30.6 45.8
 100 17.9 13.0 19.6





#44

Toluene

Concen: 26.451 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

Instrument :

MSVOA_W

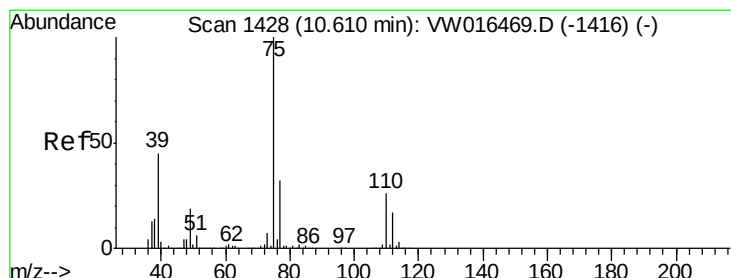
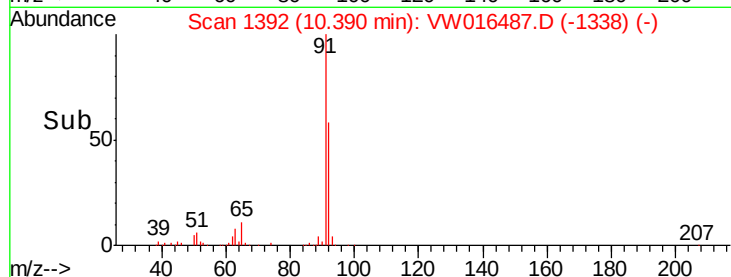
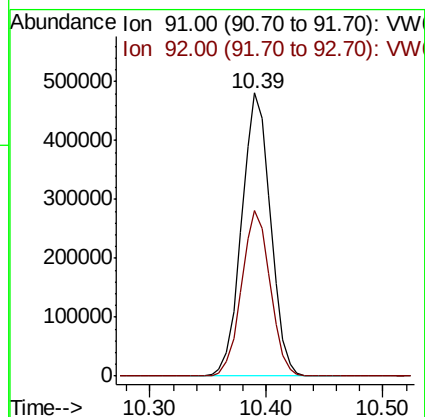
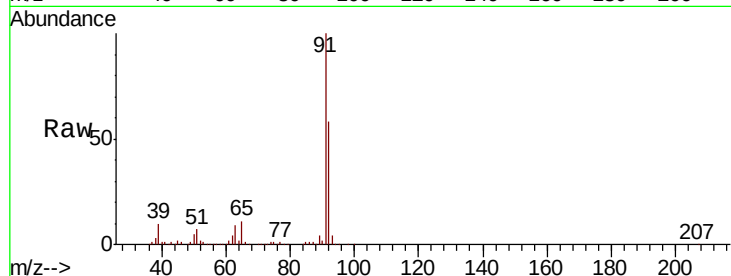
ClientSampleId :

Tot Ion: 91 Resp: 831185

Ion Ratio Lower Upper

91 100

92 58.4 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 23.721 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016487.D

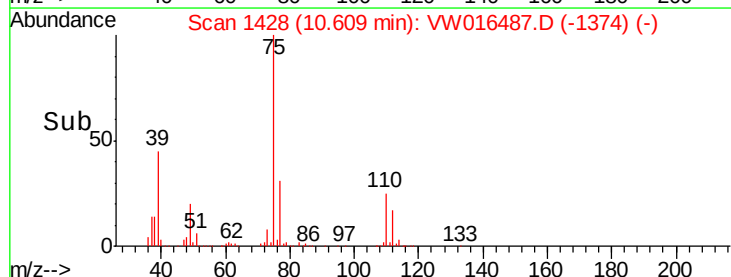
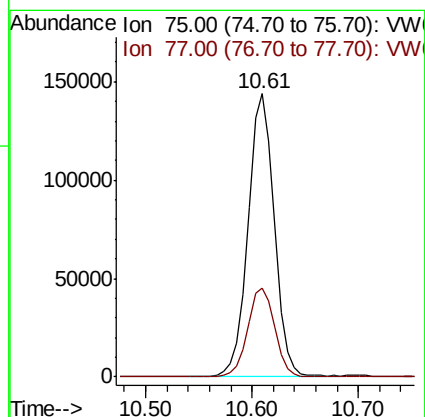
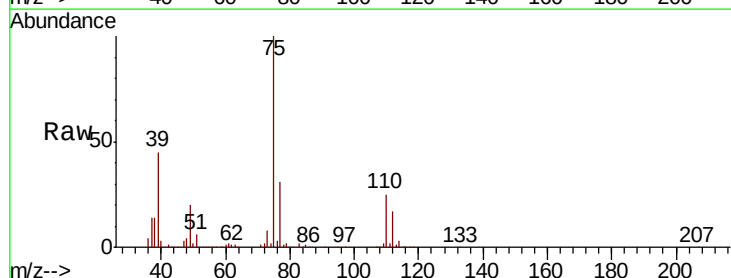
Acq: 06 Sep 2020 16:13

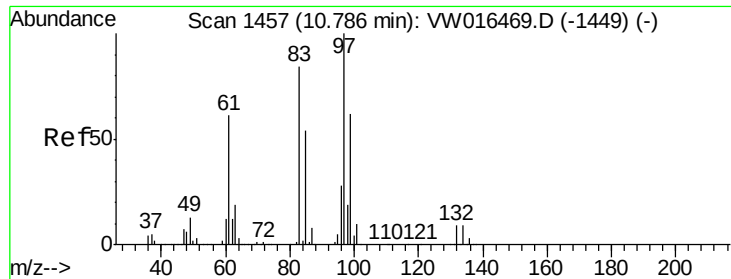
Tgt Ion: 75 Resp: 249828

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7

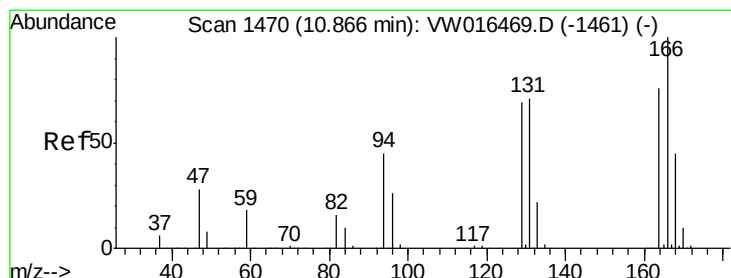
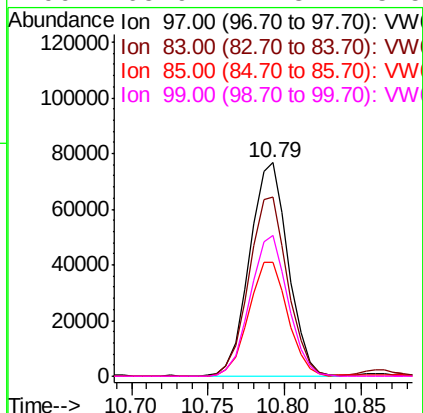
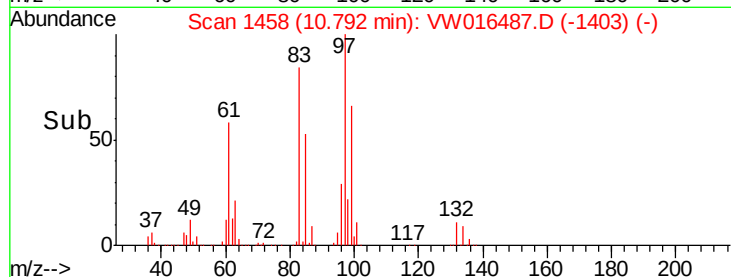
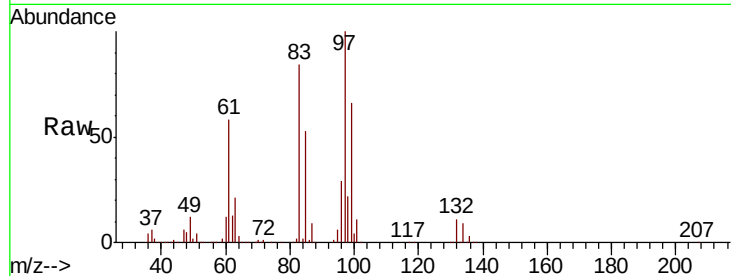




#46
1,1,2-Trichloroethane
Concen: 24.552 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.01 min
Lab File: VW016487.D
Acq: 06 Sep 2020 16:13

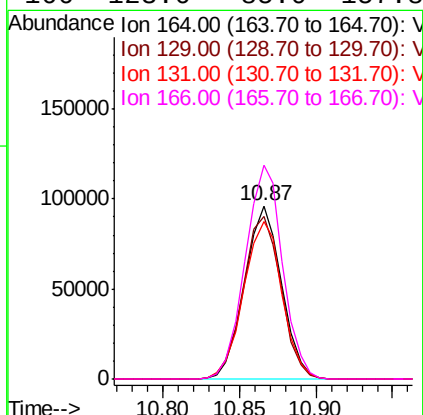
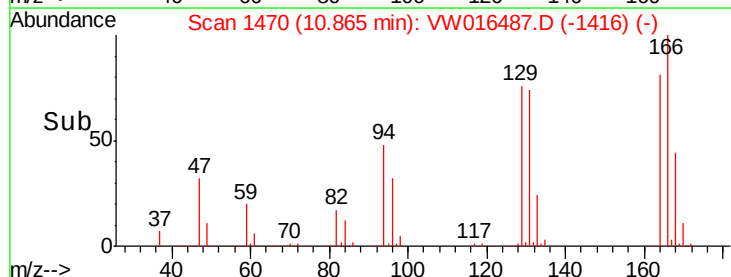
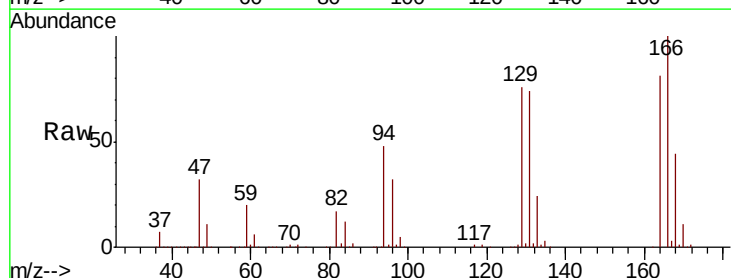
Instrument :
MSVOA_W
ClientSampleId :

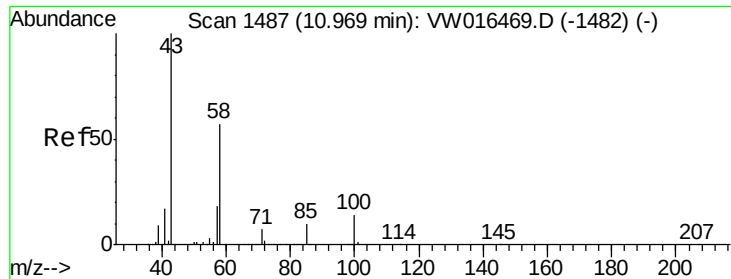
Tot Ion:	97	Resp:	135110
Ion	Ratio	Lower	Upper
97	100		
83	83.9	59.7	110.9
85	53.1	37.6	69.8
99	65.9	42.3	78.5



#47
Tetrachloroethene
Concen: 25.856 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016487.D
Acq: 06 Sep 2020 16:13

Tgt Ion:	164	Resp:	161313
Ion	Ratio	Lower	Upper
164	100		
129	94.2	65.7	121.9
131	91.5	61.1	113.5
166	123.6	85.0	157.8





#49

2-Hexanone

Concen: 40.969 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 140278

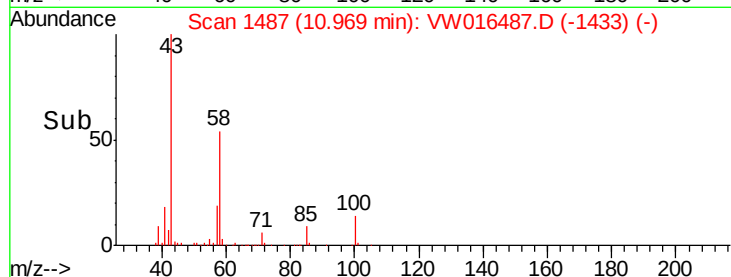
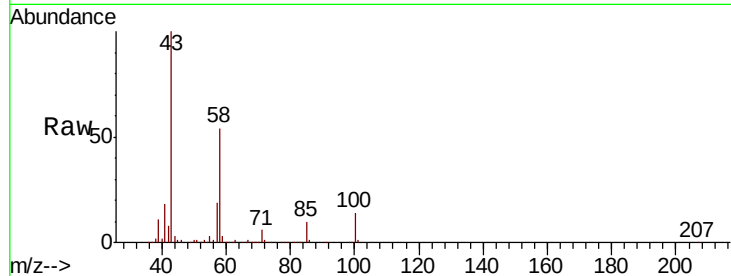
Ion Ratio Lower Upper

43 100

58 54.2 42.1 63.1

57 19.4 14.9 22.3

100 14.5 10.3 15.5

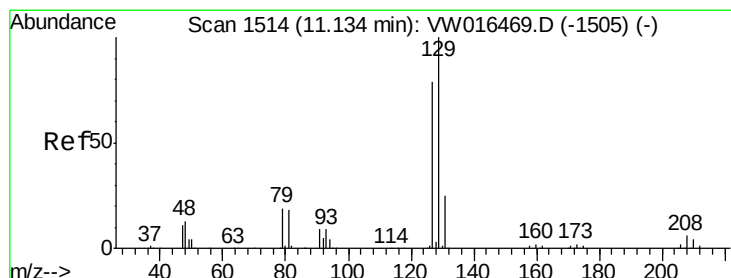
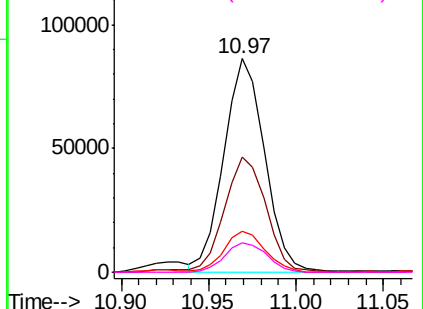


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.426 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016487.D

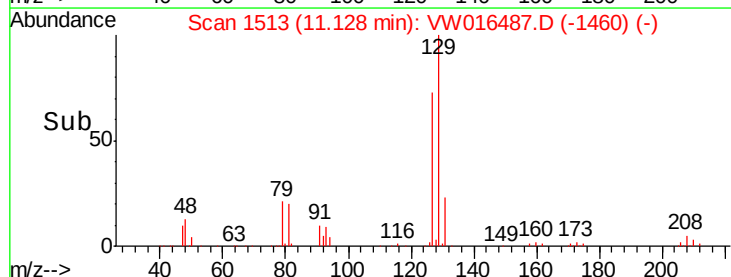
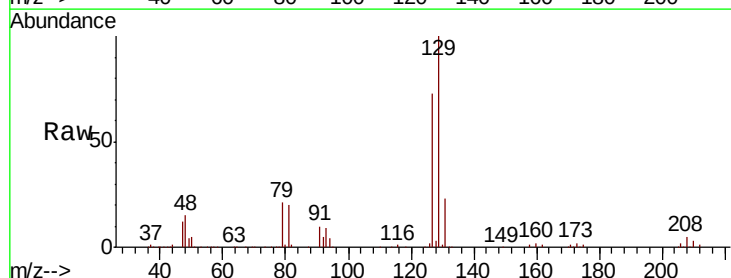
Acq: 06 Sep 2020 16:13

Tgt Ion: 129 Resp: 176922

Ion Ratio Lower Upper

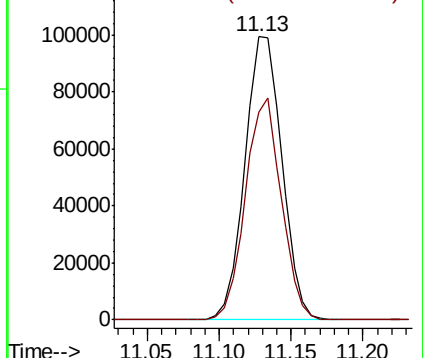
129 100

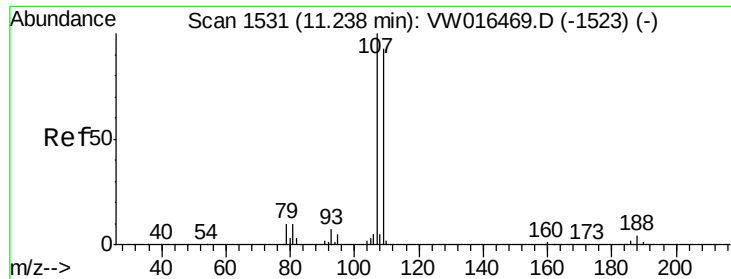
127 73.3 55.4 103.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

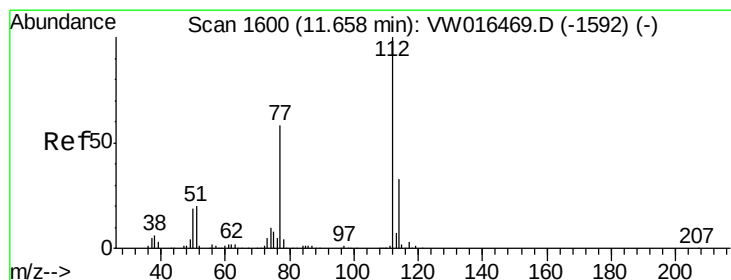
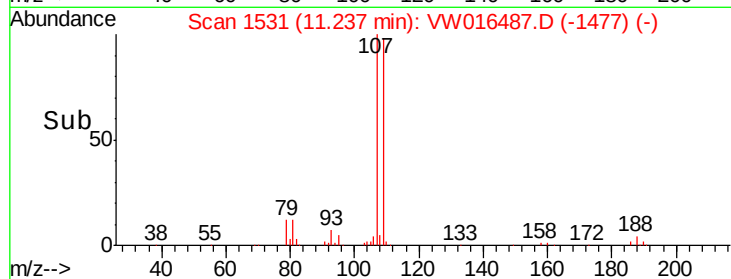
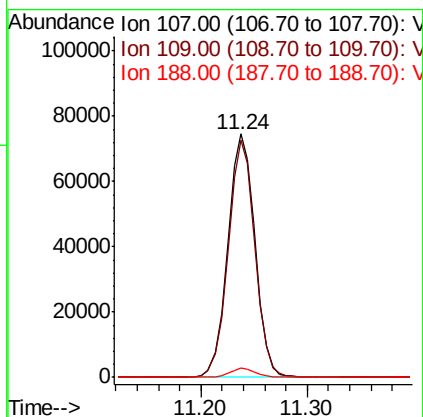
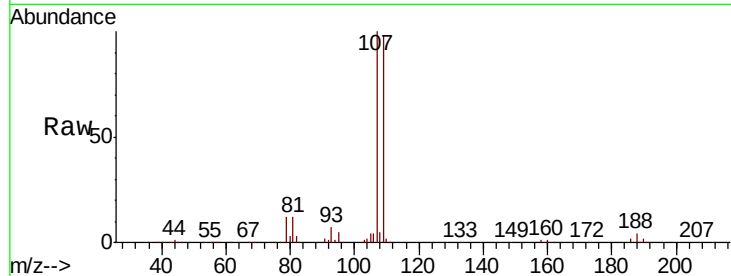




#51
 1,2-Dibromoethane
 Concen: 24.125 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016487.D
 Acq: 06 Sep 2020 16:13

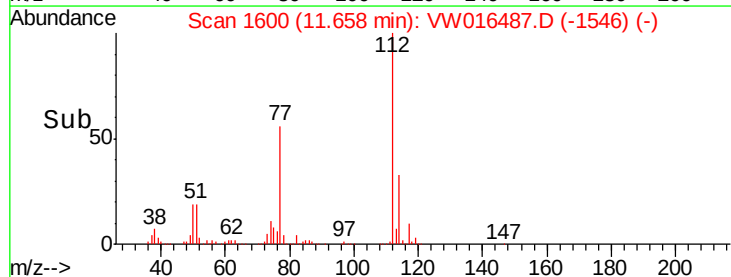
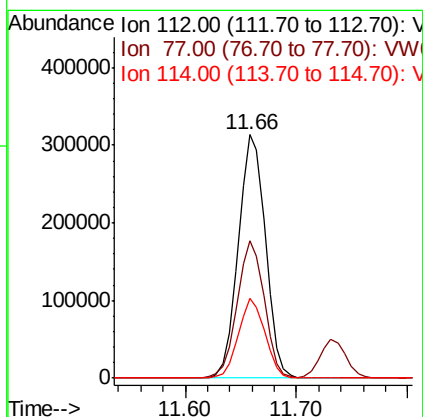
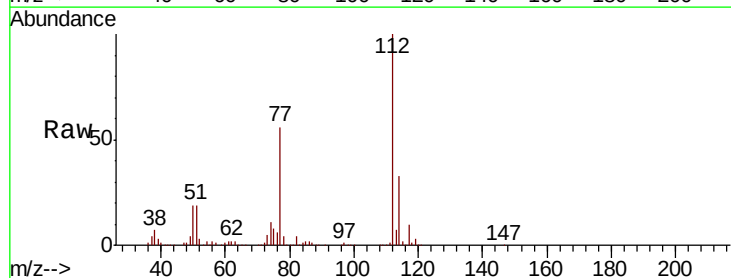
Instrument :
 MSVOA_W
 ClientSampleId :

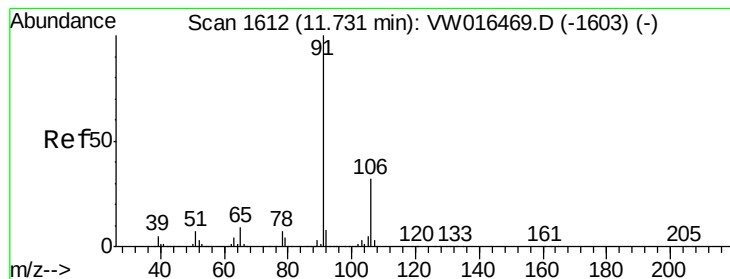
Tot Ion	Ratio	Lower	Upper
107	100		
109	97.7	64.8	120.4
188	4.1	3.4	5.0



#52
 Chlorobenzene
 Concen: 26.519 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016487.D
 Acq: 06 Sep 2020 16:13

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.3	46.2	69.2
114	33.0	21.1	39.3





#53

Ethylbenzene

Concen: 26.547 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

Instrument :

MSVOA_W

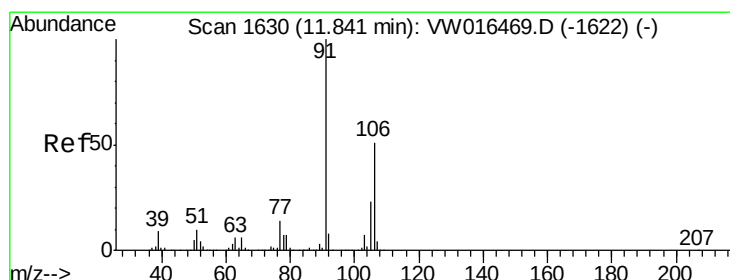
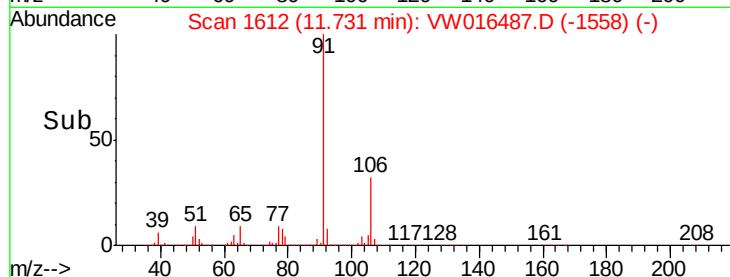
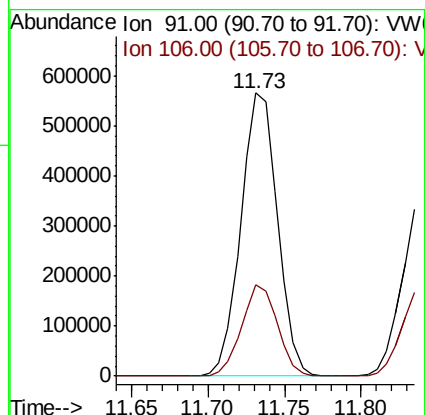
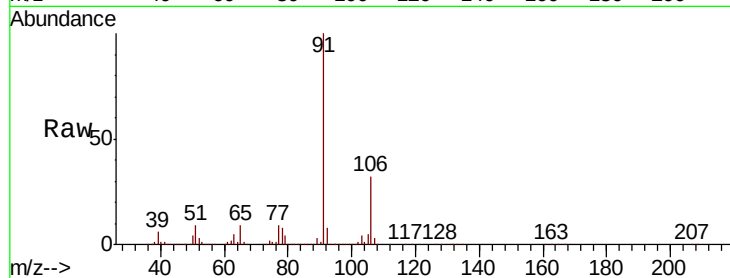
ClientSampled :

Tot Ion: 91 Resp: 939625

Ion Ratio Lower Upper

91 100

106 32.3 21.6 40.2



#54

m,p-Xylene

Concen: 26.745 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016487.D

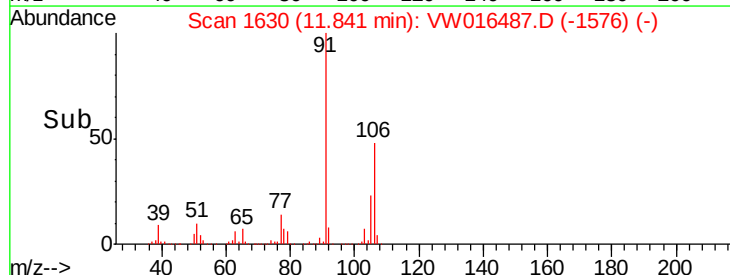
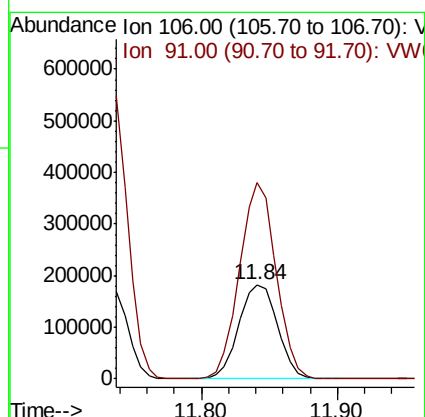
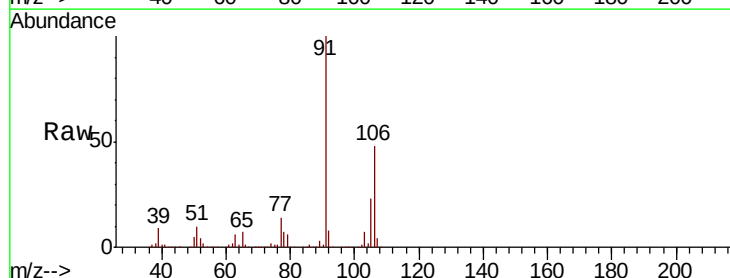
Acq: 06 Sep 2020 16:13

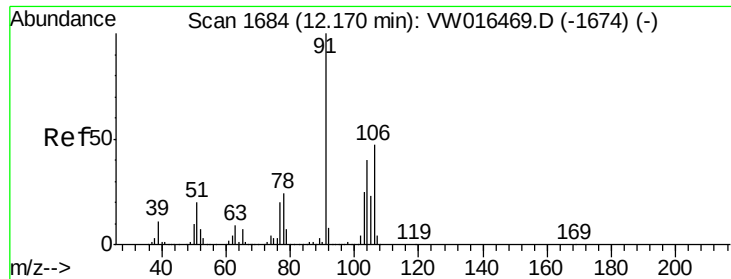
Tgt Ion: 106 Resp: 361797

Ion Ratio Lower Upper

106 100

91 209.2 142.3 264.3

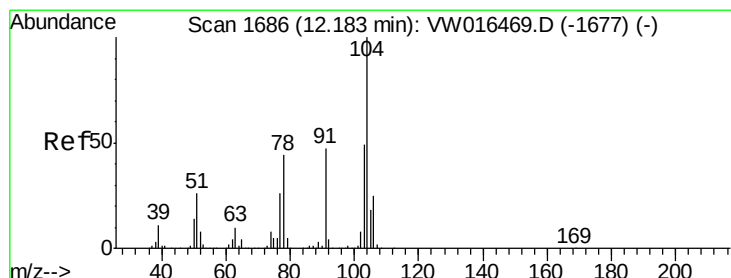
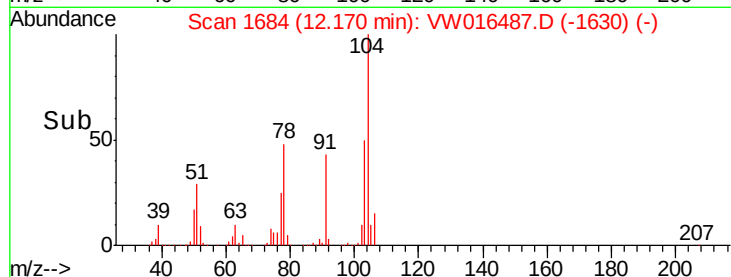
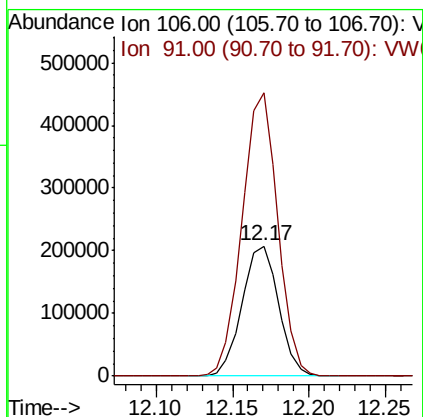
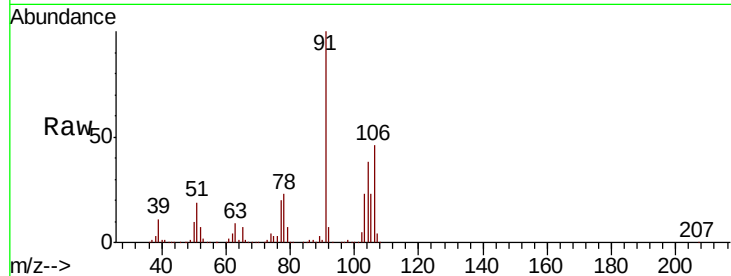




#55
o-xylene
Concen: 26.681 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016487.D
Acq: 06 Sep 2020 16:13

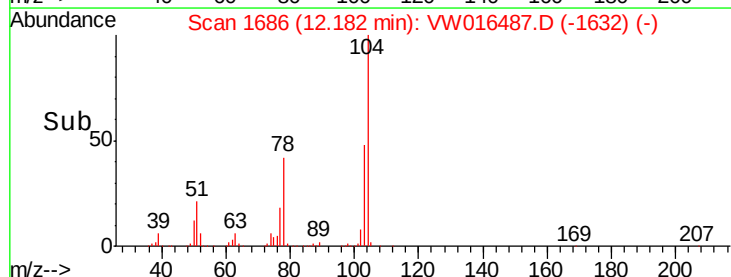
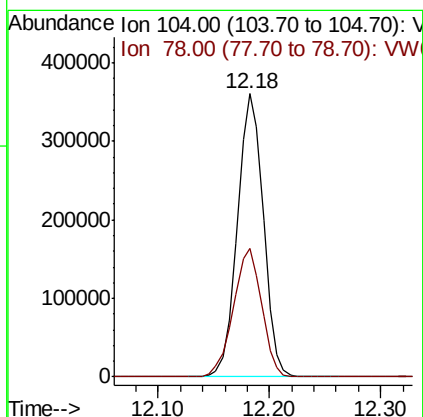
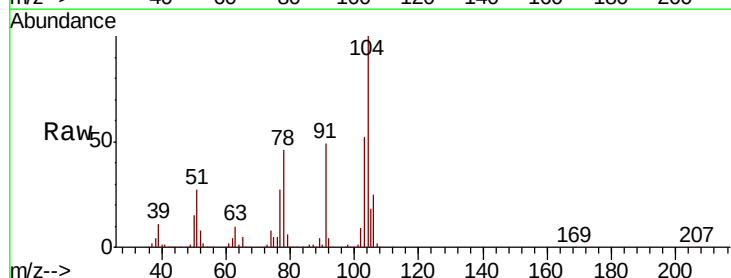
Instrument :
MSVOA_W
ClientSampled :

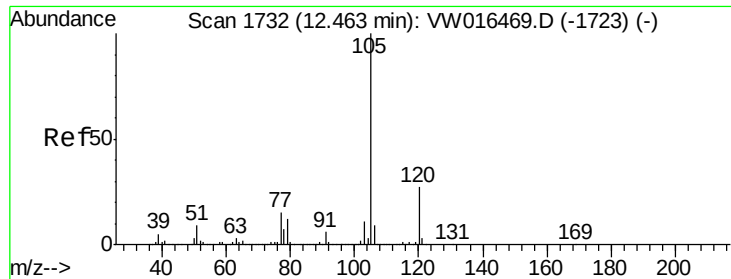
Tot Ion:106 Resp: 343807
Ion Ratio Lower Upper
106 100
91 218.1 144.3 267.9



#56
Styrene
Concen: 26.220 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016487.D
Acq: 06 Sep 2020 16:13

Tgt Ion:104 Resp: 580509
Ion Ratio Lower Upper
104 100
78 45.5 32.8 61.0





#57

Isopropylbenzene

Concen: 27.195 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

Instrument :

MSVOA_W

ClientSampleId :

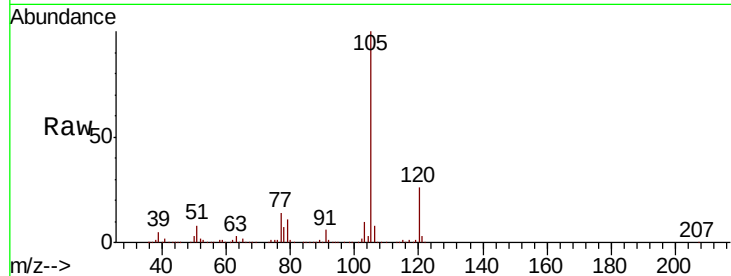
Tot Ion:105 Resp: 959938

Ion Ratio Lower Upper

105 100

120 27.1 21.9 32.9

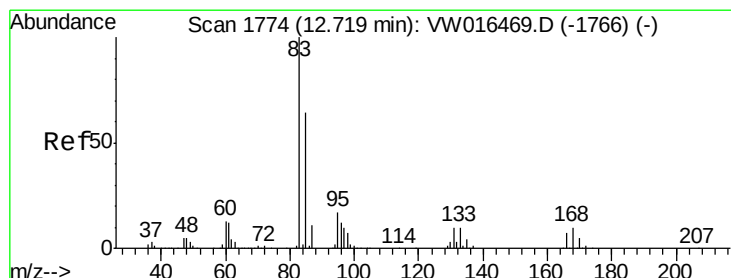
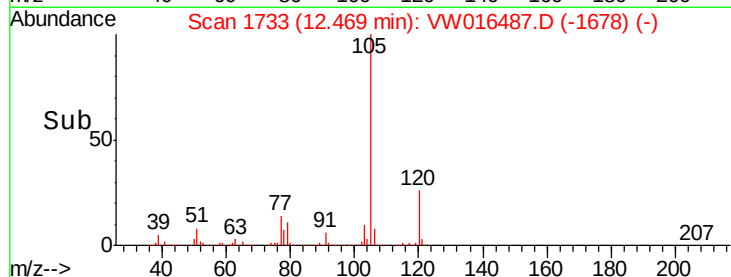
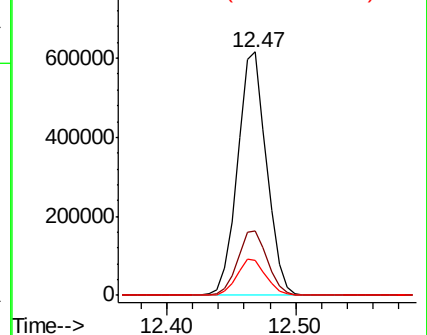
77 15.1 13.0 19.6



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: 24.023 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

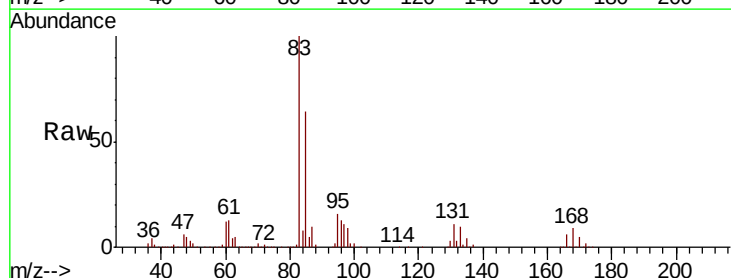
Tgt Ion: 83 Resp: 157591

Ion Ratio Lower Upper

83 100

85 63.9 45.3 84.1

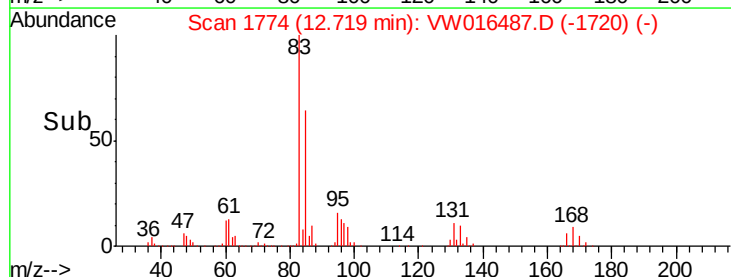
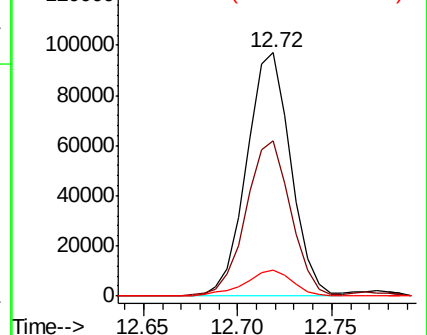
131 10.6 8.7 13.1

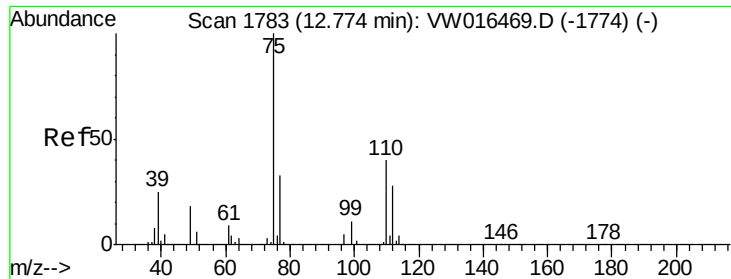


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

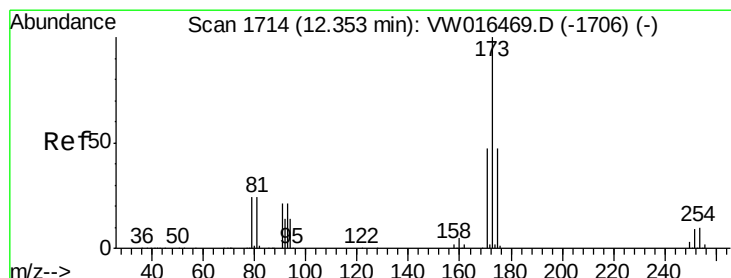
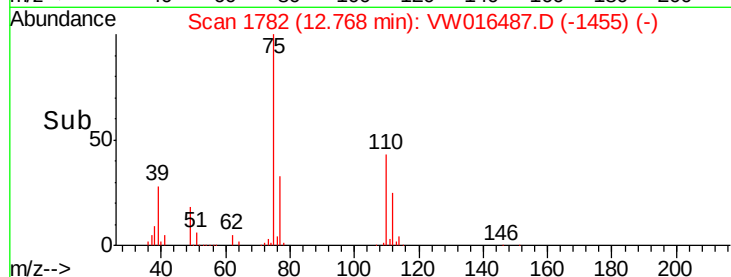
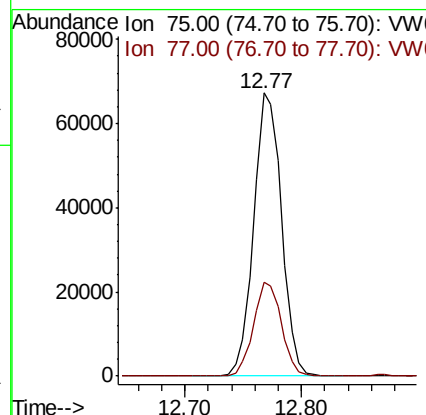
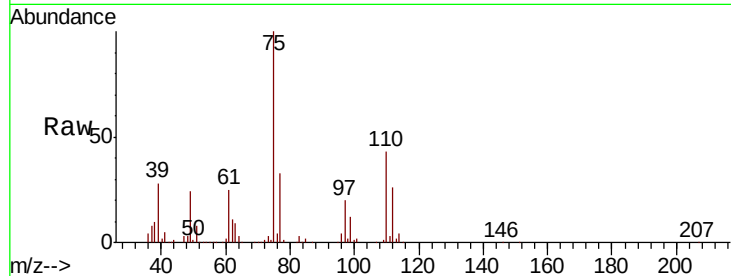




#59
 1,2,3-Trichloropropane
 Concen: 22.897 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW016487.D
 Acq: 06 Sep 2020 16:13

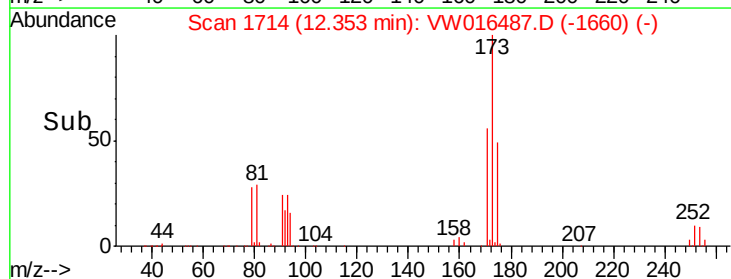
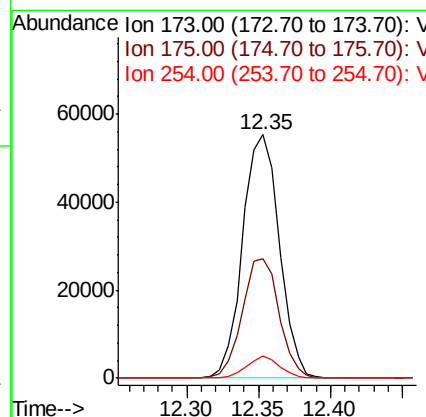
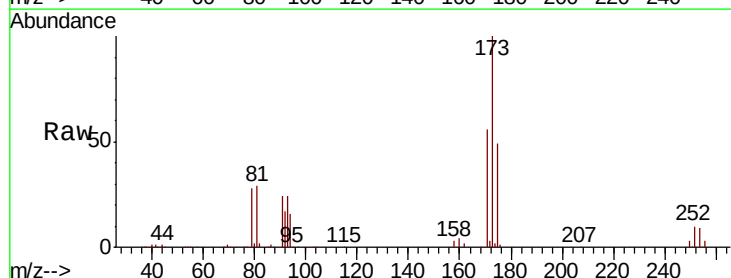
Instrument :
 MSVOA_W
 ClientSampleId :

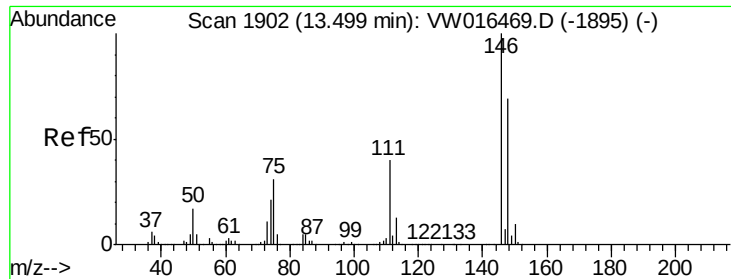
Tot Ion: 75 Resp: 112264
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.0 39.0



#62
 Bromoform
 Concen: 23.507 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW016487.D
 Acq: 06 Sep 2020 16:13

Tgt Ion: 173 Resp: 97638
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.2 58.8
 254 7.9 5.8 8.6

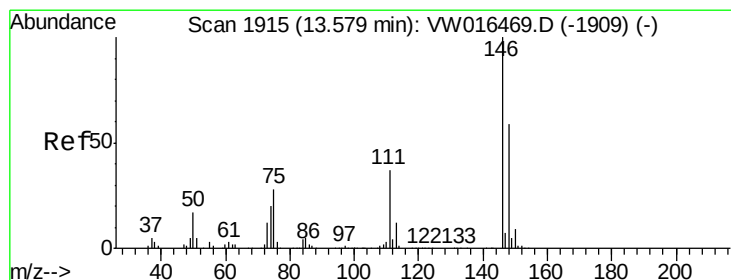
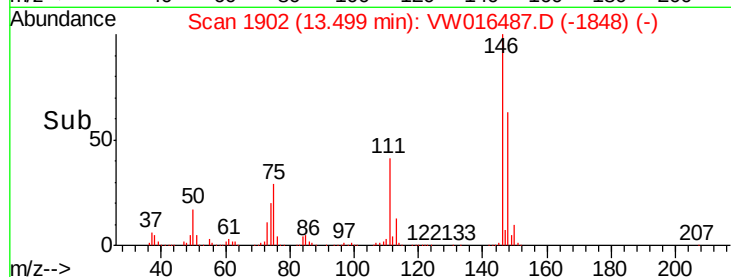
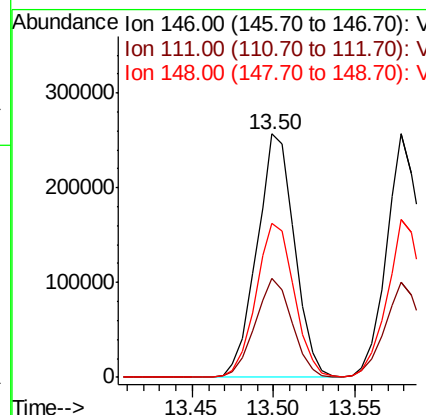
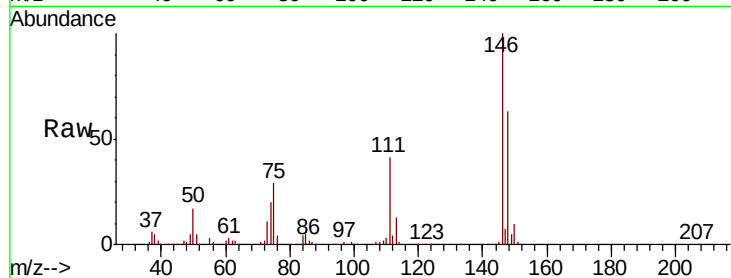




#63
 1,3-Dichlorobenzene
 Concen: 26.285 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016487.D
 Acq: 06 Sep 2020 16:13

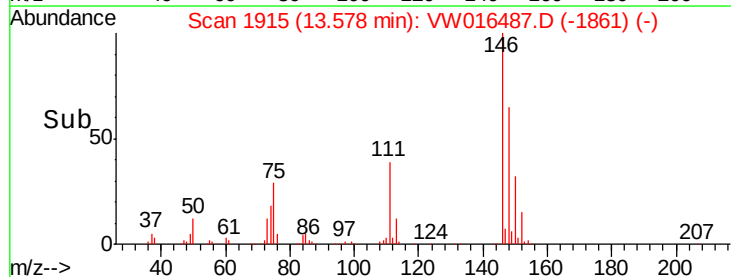
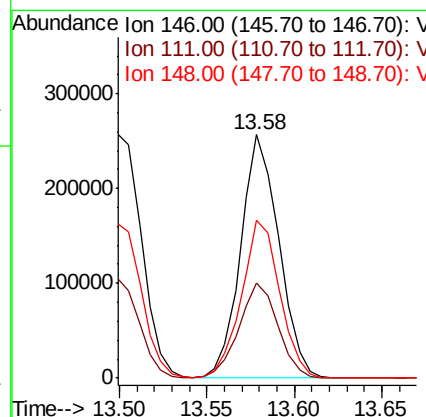
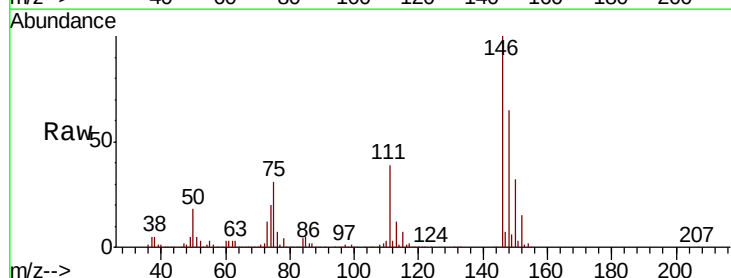
Instrument :
 MSVOA_W
 ClientSampleId :

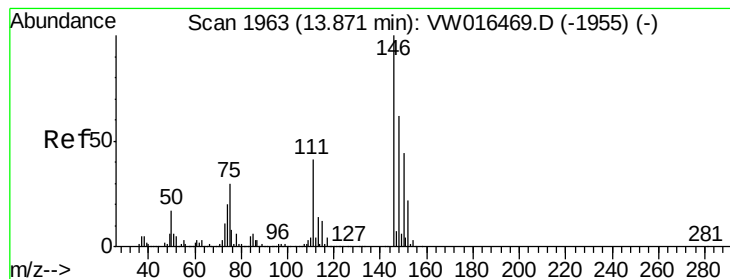
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	26.5	49.3
148	63.3	41.3	76.7



#64
 1,4-Dichlorobenzene
 Concen: 25.292 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016487.D
 Acq: 06 Sep 2020 16:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	26.4	49.0
148	64.7	45.1	83.9





#65

1,2-Dichlorobenzene

Concen: 26.798 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

Instrument :

MSVOA_W

ClientSampleId :

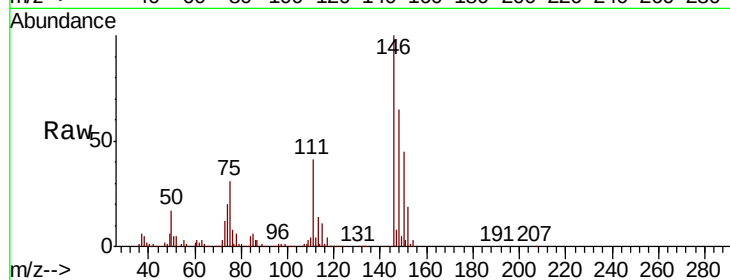
Tot Ion:146 Resp: 371200

Ion Ratio Lower Upper

146 100

111 41.0 35.3 52.9

148 65.3 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

13.87

250000

200000

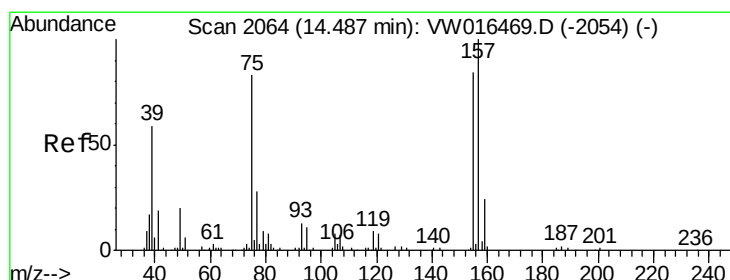
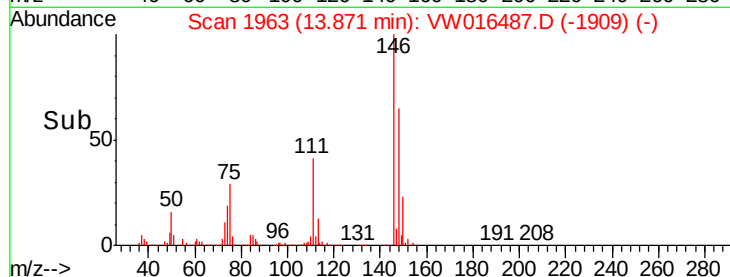
150000

100000

50000

0

Time--> 13.80 13.85 13.90 13.95



#66

1,2-Dibromo-3-chloropropane

Concen: 21.208 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

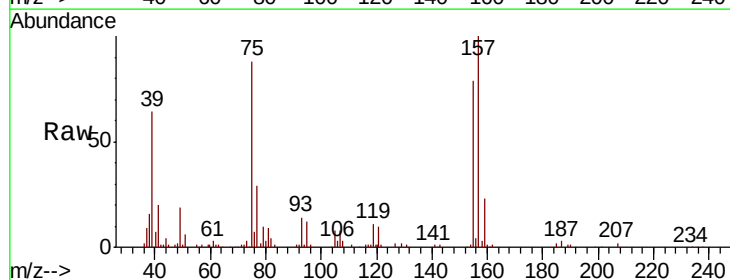
Tgt Ion: 75 Resp: 27355

Ion Ratio Lower Upper

75 100

157 113.1 91.4 137.0

155 88.8 71.3 106.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

25000

20000

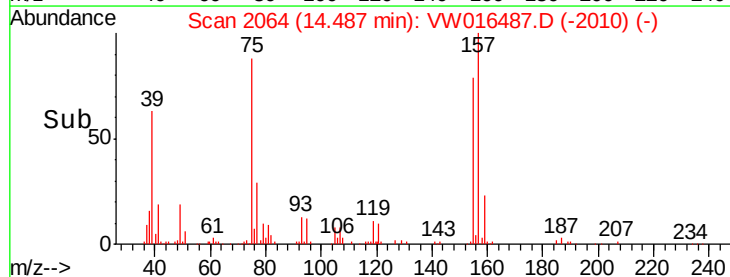
15000

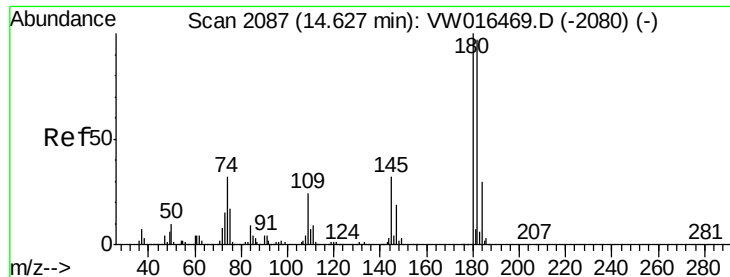
10000

5000

0

Time--> 14.40 14.50

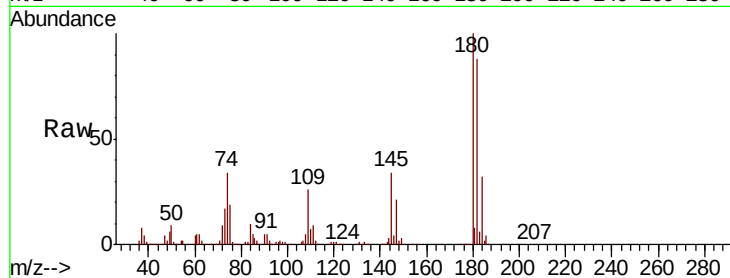




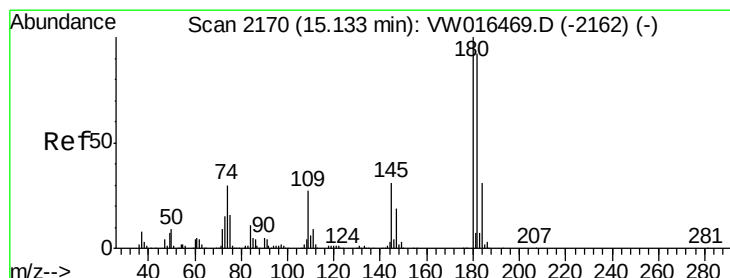
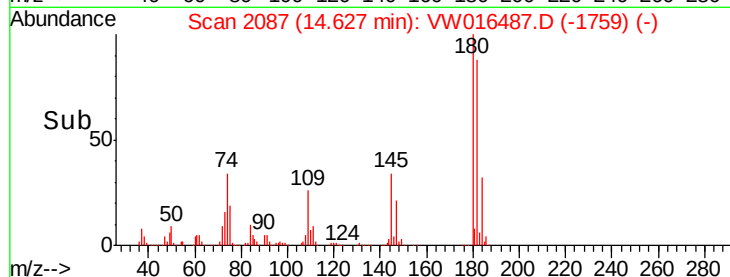
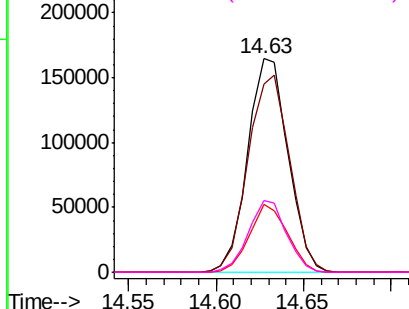
#67
 1,3,5-Trichlorobenzene
 Concen: 24.733 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW016487.D
 Acq: 06 Sep 2020 16:13

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	180	Resp:	265652
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.8
184	30.2	24.2	36.2
145	31.8	24.6	36.8

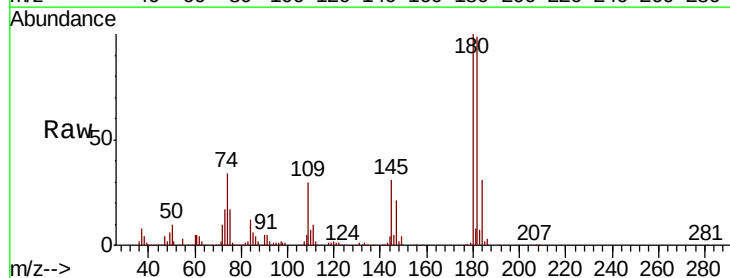


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

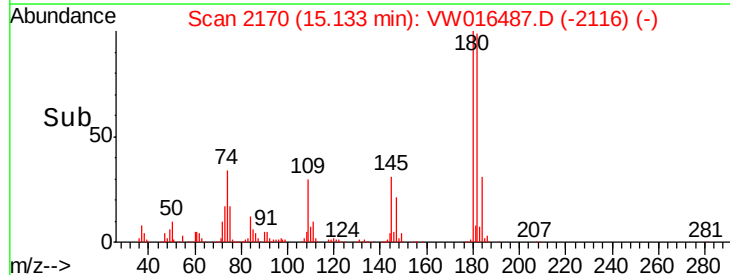
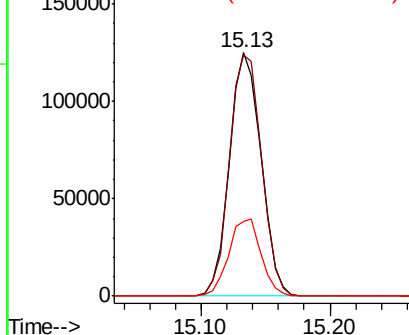


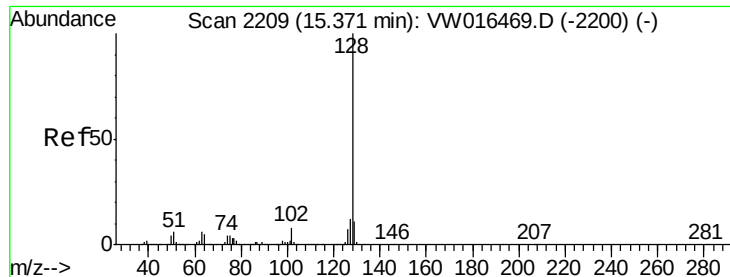
#68
 1,2,4-trichlorobenzene
 Concen: 23.111 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016487.D
 Acq: 06 Sep 2020 16:13

Tgt Ion:	180	Resp:	214712
Ion	Ratio	Lower	Upper
180	100		
182	100.8	78.5	117.7
145	32.3	25.6	38.4



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: 23.772 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

Instrument :

MSVOA_W

ClientSampleId :

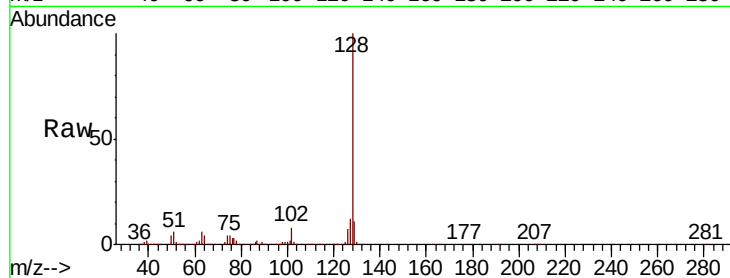
Tot Ion:128 Resp: 466109

Ion Ratio Lower Upper

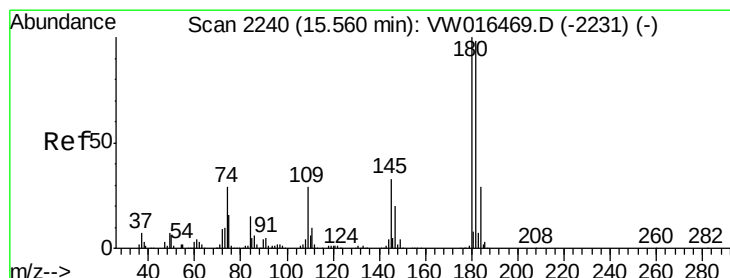
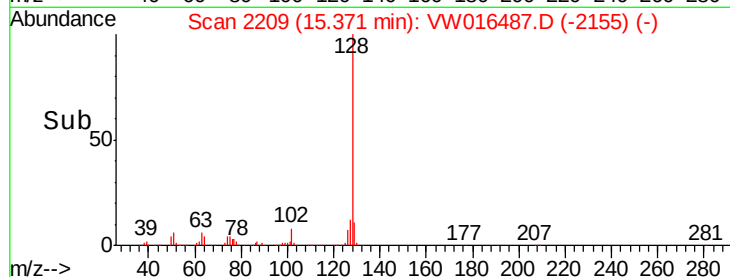
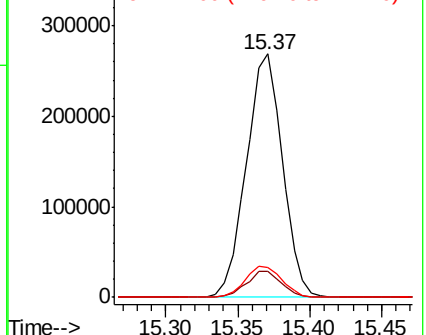
128 100

129 10.5 8.7 13.1

127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.682 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016487.D

Acq: 06 Sep 2020 16:13

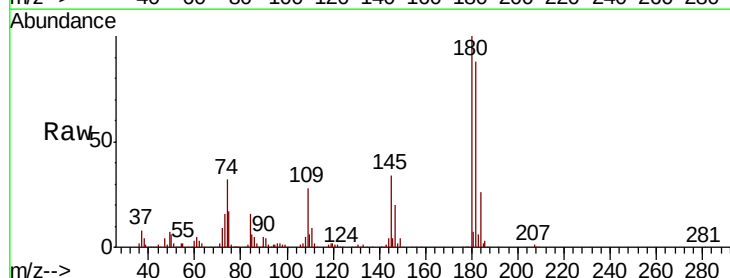
Tgt Ion:180 Resp: 188903

Ion Ratio Lower Upper

180 100

182 95.9 76.1 114.1

145 34.9 28.1 42.1



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

