

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090620\
 Data File : VW016469.D
 Acq On : 06 Sep 2020 08:17
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 07 04:46:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 05 05:03:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	653762	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	571831	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	273294	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	163554	23.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.32%
7) Chloroethane-d5	2.90	69	159067	25.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.16%
10) 1,1-Dichloroethene-d2	4.03	63	373549	23.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.68%
20) 2-Butanone-d5	7.09	46	84907	34.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.56%
24) Chloroform-d	7.65	84	370372	24.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.72%
26) 1,2-Dichloroethane-d4	8.31	65	178671	21.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.36%
29) Benzene-d6	8.28	84	721019	24.80	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.20%
33) 1,2-Dichloropropane-d6	9.28	67	203125	23.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.12%
37) Toluene-d8	10.33	98	693729	25.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.44%
38) trans-1,3-Dichloropropene-	10.58	79	96030	22.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.16%
39) 2-Hexanone-d5	10.93	63	70264	40.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	155500	21.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	237036	25.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	190782	26.083	ug/L 95
3) Chloromethane	2.22	50	154888	24.120	ug/L 98
5) Vinyl chloride	2.37	62	217001	26.531	ug/L 96
6) Bromomethane	2.79	94	174669	28.572	ug/L 99
8) Chloroethane	2.93	64	139936	27.811	ug/L 97
9) Trichlorofluoromethane	3.28	101	203664	30.405	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	213057	26.892	ug/L 99
12) 1,1-Dichloroethene	4.05	96	211315	26.231	ug/L 91
13) Acetone	4.15	43	62256	39.158	ug/L 100
14) Carbon disulfide	4.39	76	641551	26.059	ug/L 99
15) Methyl Acetate	4.68	43	68214	17.691	ug/L 96
16) Methylene chloride	4.92	84	196079	19.218	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	287154	23.760	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	216089	25.252	ug/L 94
19) 1,1-Dichloroethane	6.23	63	350513	24.067	ug/L 97
21) 2-Butanone	7.18	43	87694	32.863	ug/L 94
22) cis-1,2-Dichloroethene	7.17	96	221466	24.843	ug/L 96

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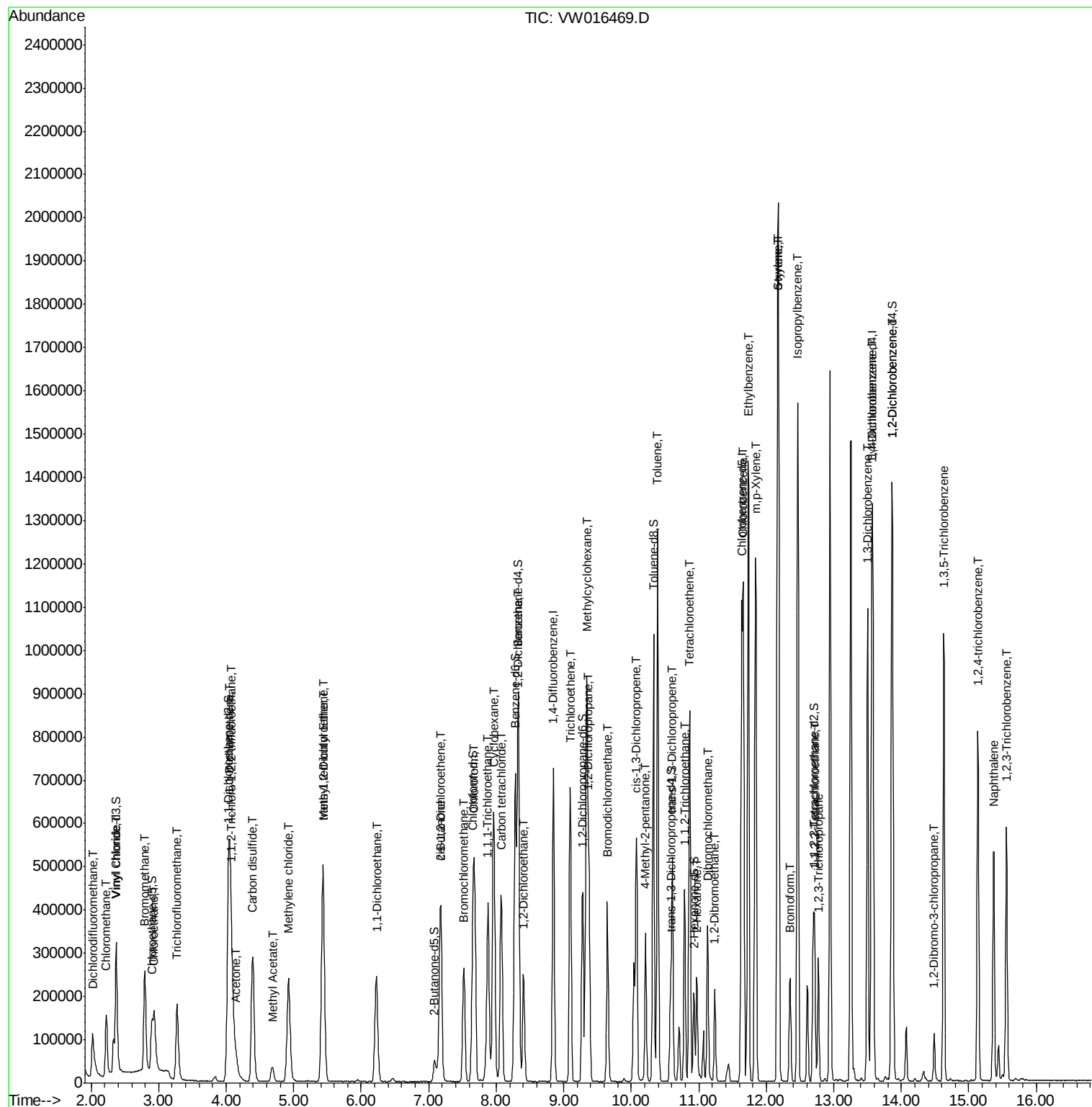
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	97170	23.515	ug/L	95
25) Chloroform	7.68	83	362351	24.038	ug/L	99
27) 1,2-Dichloroethane	8.40	62	219270	21.844	ug/L	98
30) Cyclohexane	7.96	56	342491	25.073	ug/L	95
31) 1,1,1-Trichloroethane	7.88	97	339161	27.391	ug/L	97
32) Carbon tetrachloride	8.07	117	320398	27.053	ug/L	100
34) Benzene	8.33	78	808730	25.867	ug/L	100
35) Trichloroethene	9.10	95	226399	26.133	ug/L	97
36) Methylcyclohexane	9.34	83	398654	26.301	ug/L	96
40) 1,2-Dichloropropane	9.37	63	186060	24.069	ug/L	99
41) Bromodichloromethane	9.65	83	268791	24.871	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	318433	24.274	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	212442	38.810	ug/L	97
44) Toluene	10.39	91	902507	25.797	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	274033	23.370	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	142353	23.235	ug/L	98
47) Tetrachloroethene	10.87	164	189481	27.279	ug/L	93
49) 2-Hexanone	10.97	43	150687	39.529	ug/L	98
50) Dibromochloromethane	11.13	129	187033	24.142	ug/L	100
51) 1,2-Dibromoethane	11.24	107	141828	23.166	ug/L	99
52) Chlorobenzene	11.66	112	580942	26.177	ug/L	97
53) Ethylbenzene	11.73	91	1023961	25.984	ug/L	98
54) m,p-Xylene	11.84	106	398454	26.456	ug/L	96
55) o-xylene	12.17	106	372221	25.945	ug/L	97
56) Styrene	12.18	104	631095	25.602	ug/L	95
57) Isopropylbenzene	12.46	105	1054027	26.820	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	159342	21.817	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	114967	21.061	ug/L	100
62) Bromoform	12.35	173	110496	24.095	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	455417	26.469	ug/L	91
64) 1,4-Dichlorobenzene	13.58	146	451617	26.471	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	389892	25.493	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	26507	18.613	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	308854	26.043	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	251273	24.496	ug/L	96
69) Naphthalene	15.37	128	476419	22.007	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	199092	22.606	ug/L	97

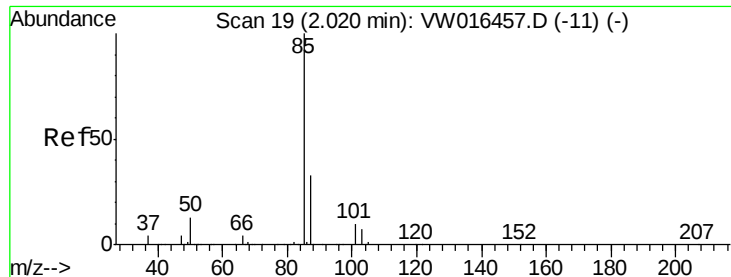
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.083 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.00 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

Instrument :

MSVOA_W

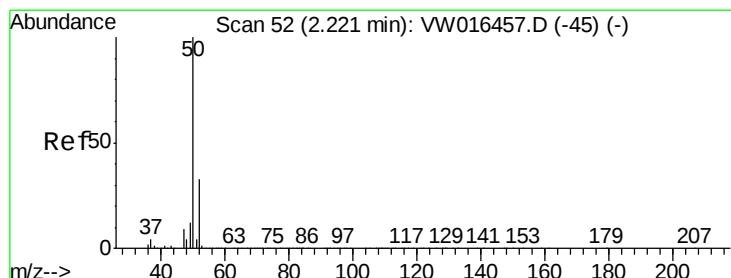
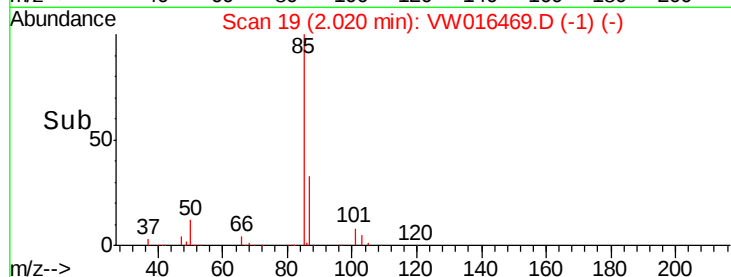
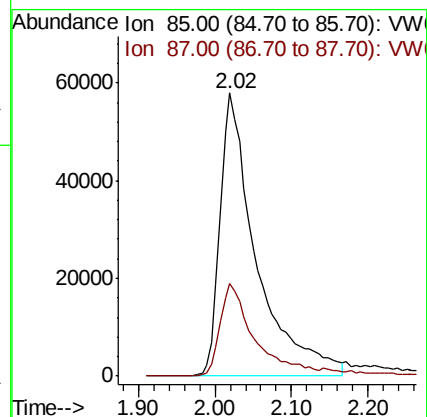
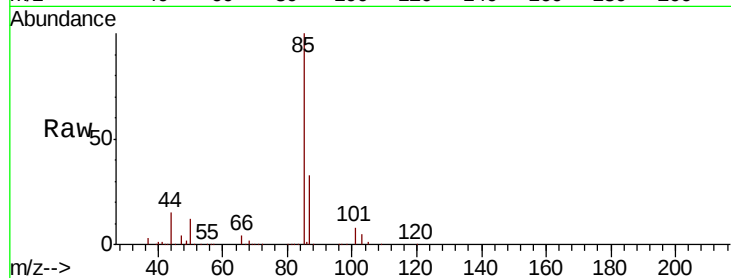
ClientSampleId :

Tot Ion: 85 Resp: 190782

Ion Ratio Lower Upper

85 100

87 28.9 22.3 41.5



#3

Chloromethane

Concen: 24.120 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW016469.D

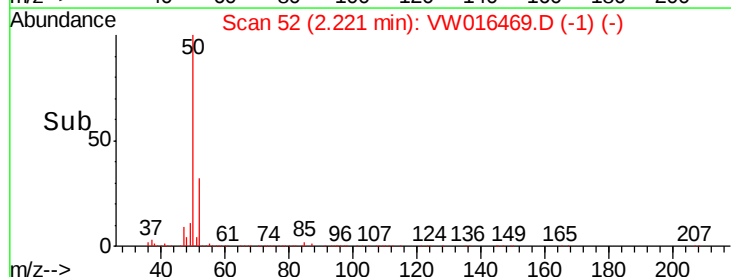
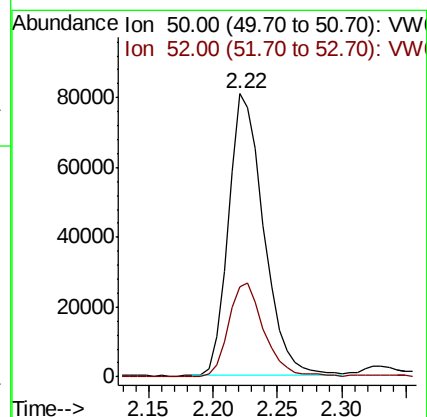
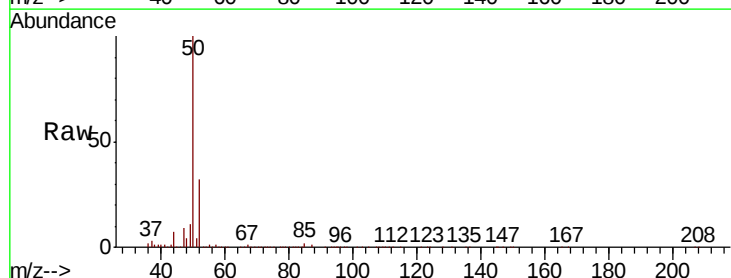
Acq: 06 Sep 2020 08:17

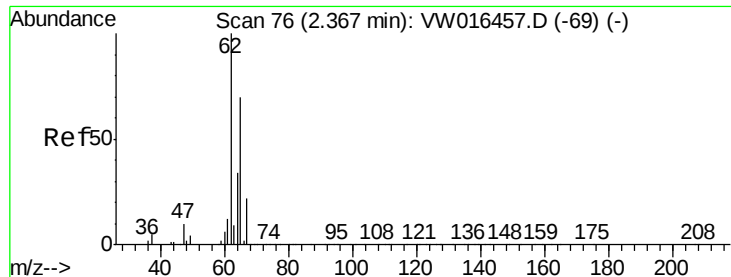
Tgt Ion: 50 Resp: 154888

Ion Ratio Lower Upper

50 100

52 31.6 23.0 42.6





#5

Vinyl chloride

Concen: 26.531 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

Instrument :

MSVOA_W

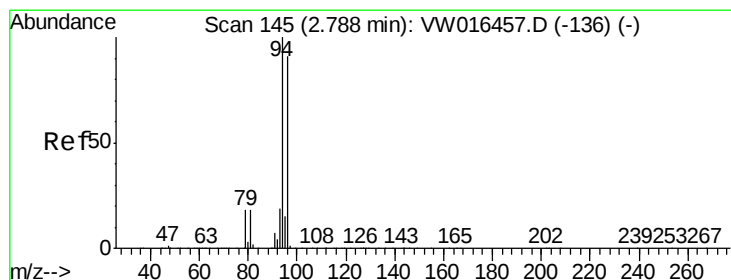
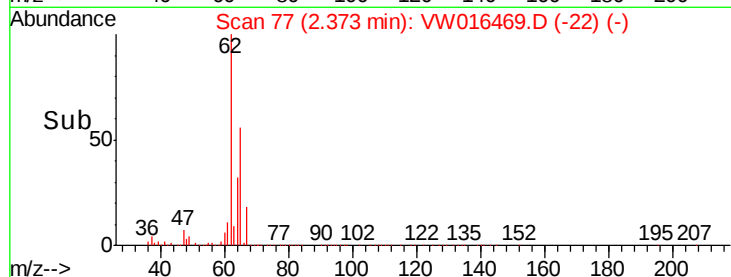
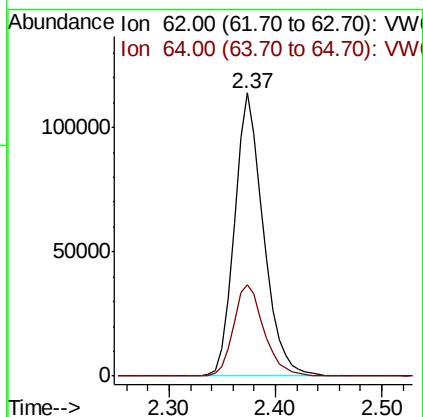
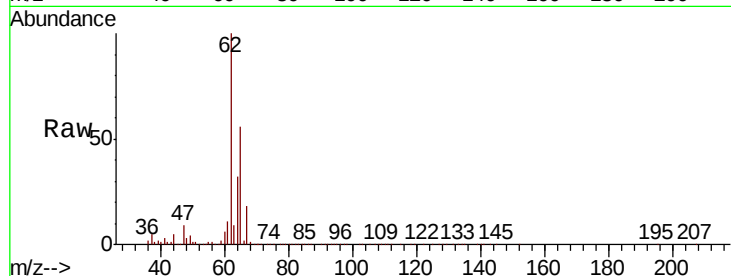
ClientSampled :

Tot Ion: 62 Resp: 217001

Ion Ratio Lower Upper

62 100

64 32.1 23.9 44.5



#6

Bromomethane

Concen: 28.572 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.01 min

Lab File: VW016469.D

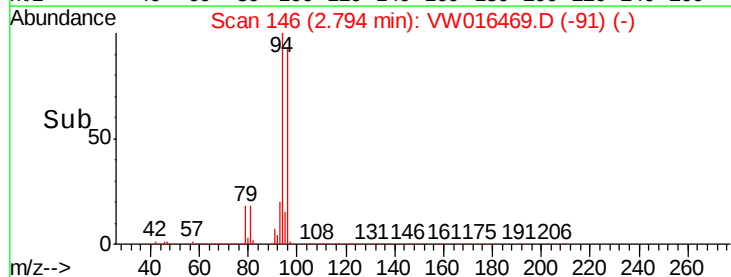
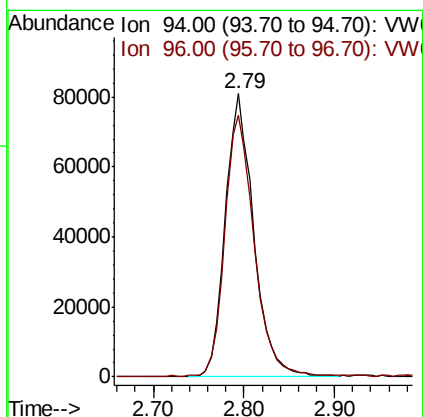
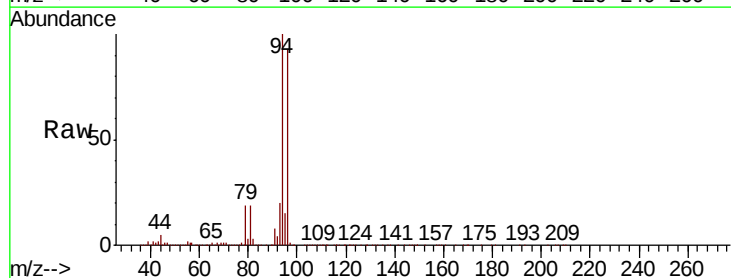
Acq: 06 Sep 2020 08:17

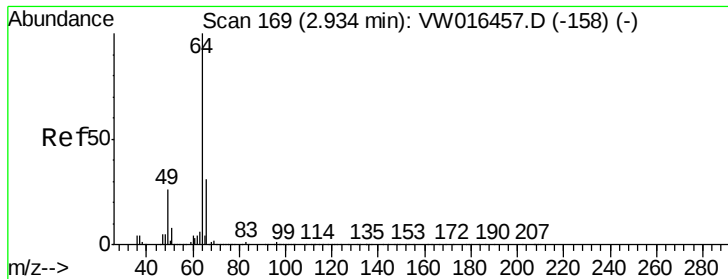
Tgt Ion: 94 Resp: 174669

Ion Ratio Lower Upper

94 100

96 95.0 9.4 178.2





#8

Chloroethane

Concen: 27.811 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

Instrument :

MSVOA_W

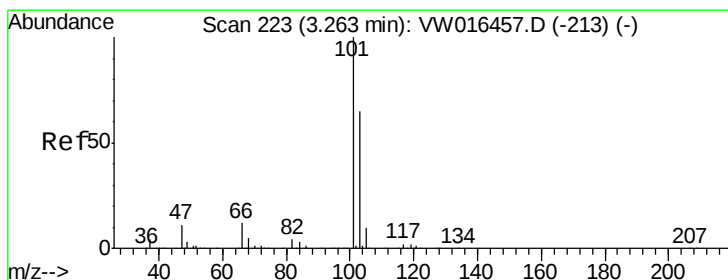
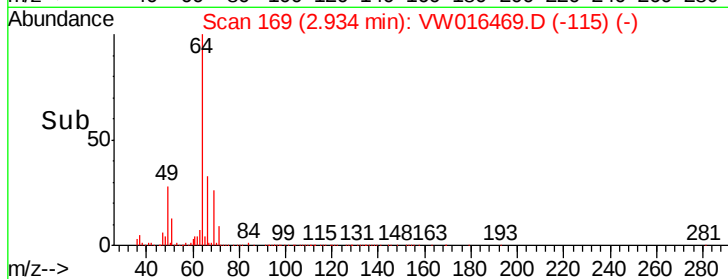
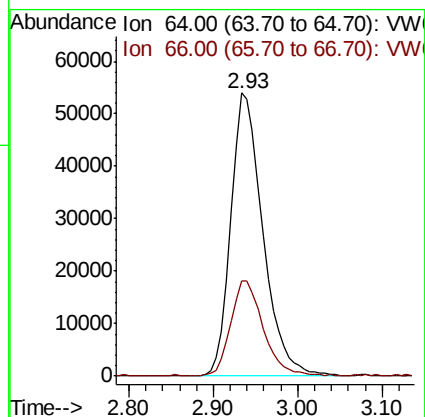
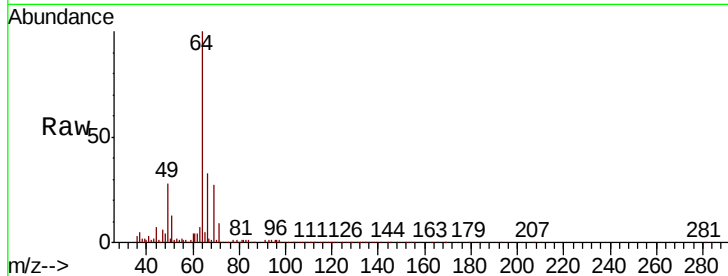
ClientSampled :

Tot Ion: 64 Resp: 139936

Ion Ratio Lower Upper

64 100

66 33.5 22.4 41.6



#9

Trichlorofluoromethane

Concen: 30.405 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.01 min

Lab File: VW016469.D

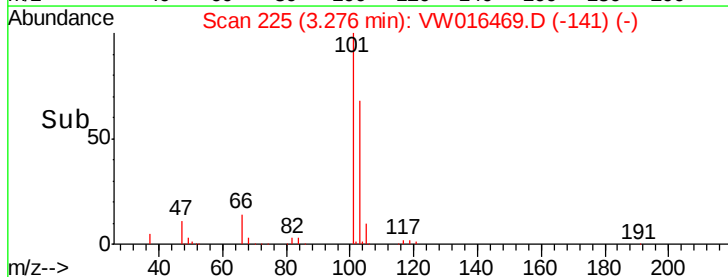
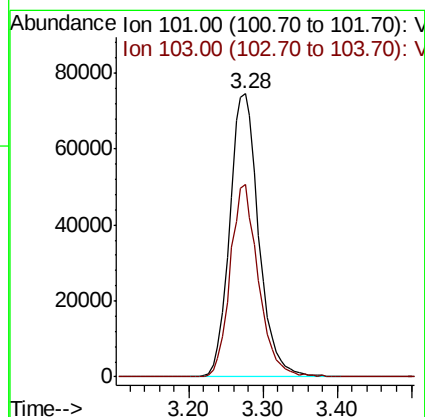
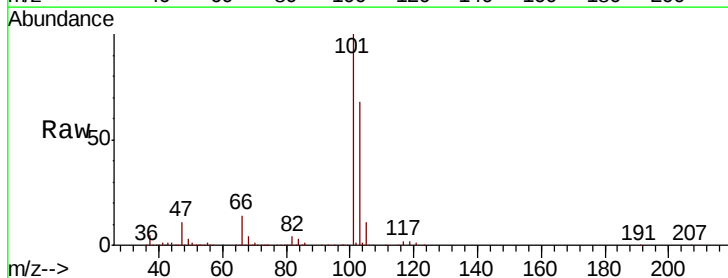
Acq: 06 Sep 2020 08:17

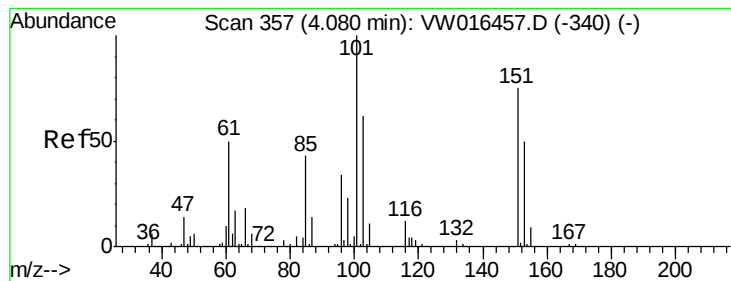
Tgt Ion: 101 Resp: 203664

Ion Ratio Lower Upper

101 100

103 65.7 45.1 83.7





#11

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

Concen: 26.892 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.00 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

Instrument :

MSVOA_W

ClientSampleId :

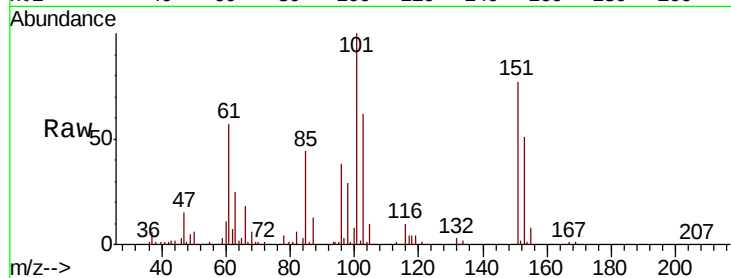
Tot Ion:101 Resp: 213057

Ion Ratio Lower Upper

101 100

85 43.2 33.4 50.0

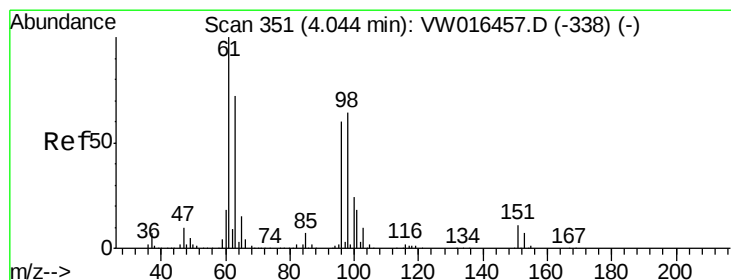
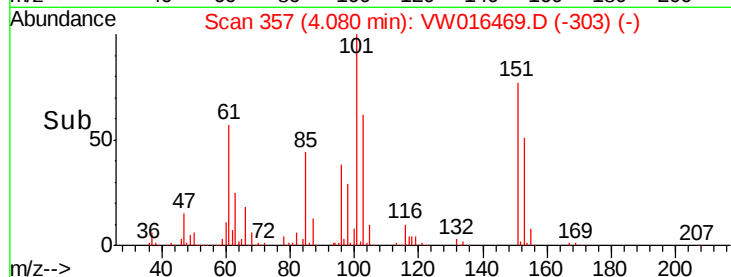
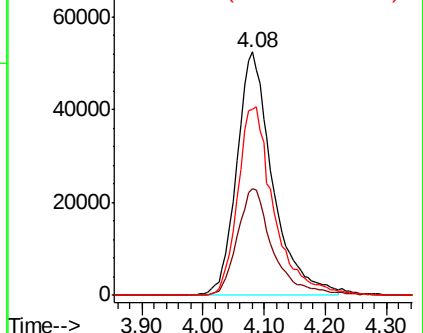
151 77.9 61.6 92.4



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: 26.231 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

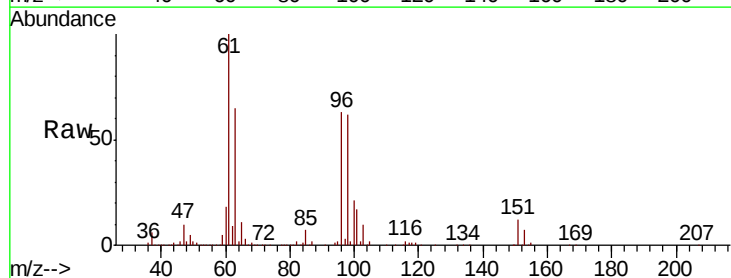
Tgt Ion: 96 Resp: 211315

Ion Ratio Lower Upper

96 100

61 158.0 116.5 216.3

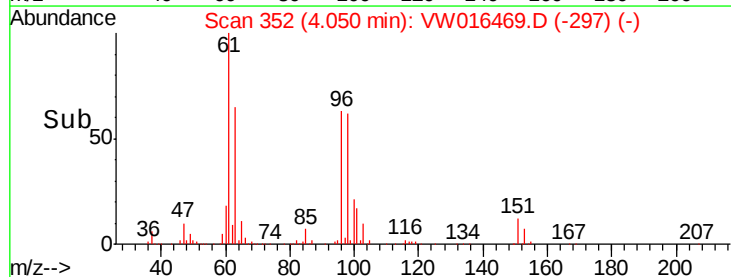
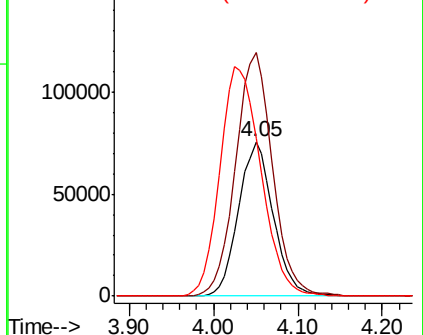
63 102.8 81.1 150.5

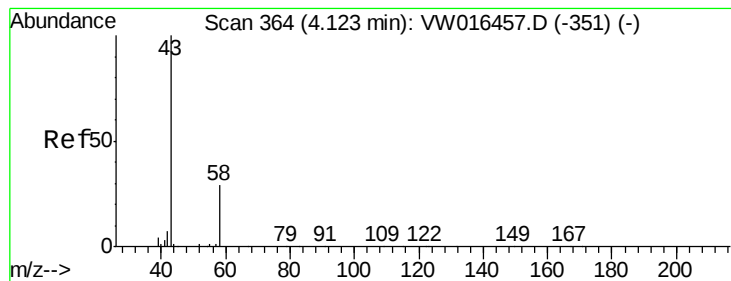


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.158 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

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MSVOA_W

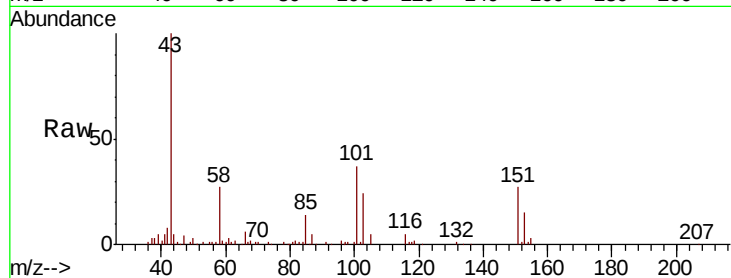
ClientSampleId :

Tot Ion: 43 Resp: 62256

Ion Ratio Lower Upper

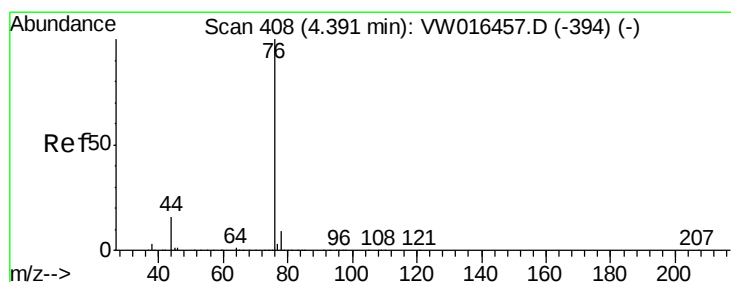
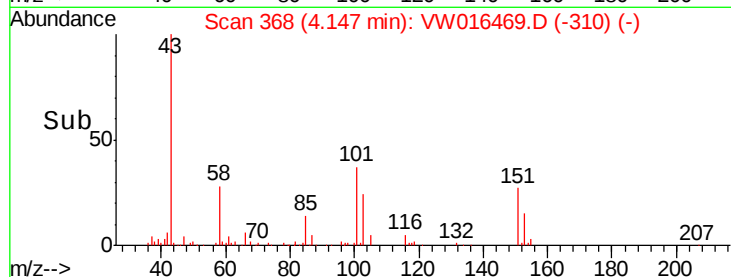
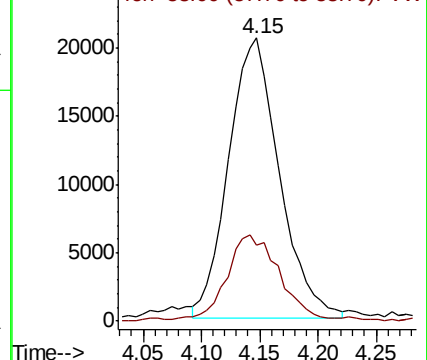
43 100

58 31.7 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: 26.059 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016469.D

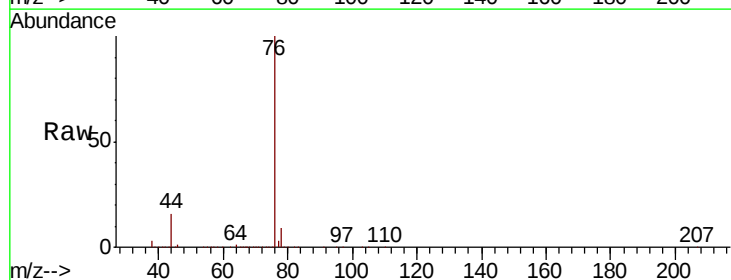
Acq: 06 Sep 2020 08:17

Tgt Ion: 76 Resp: 641551

Ion Ratio Lower Upper

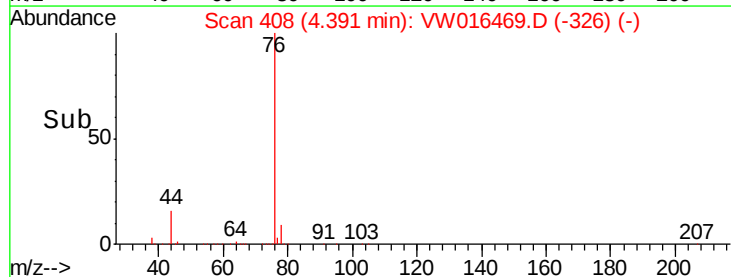
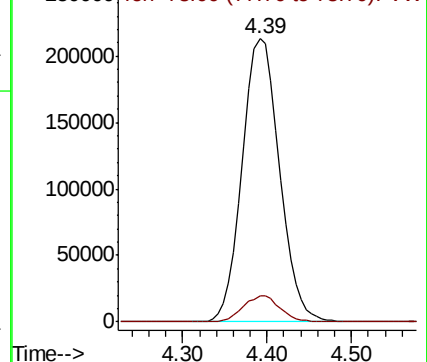
76 100

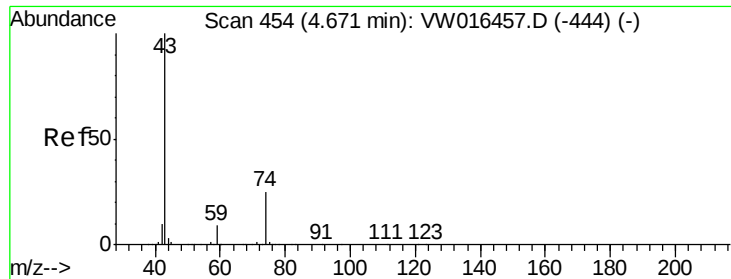
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

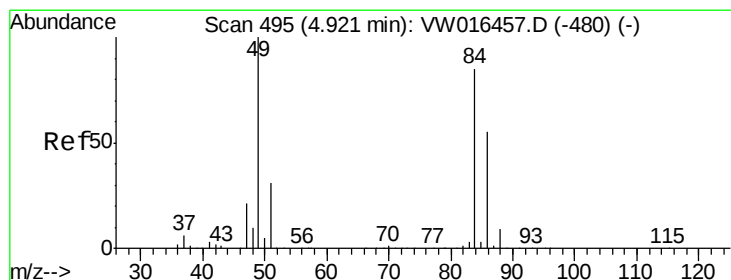
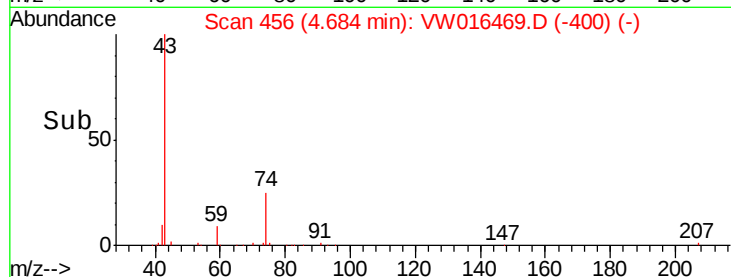
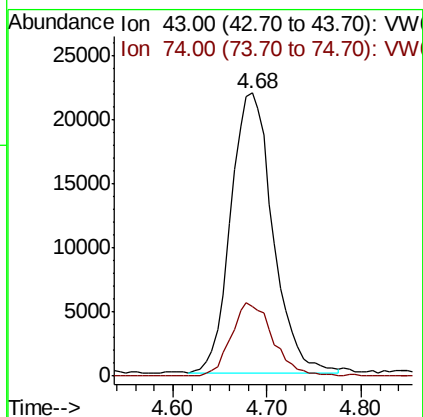
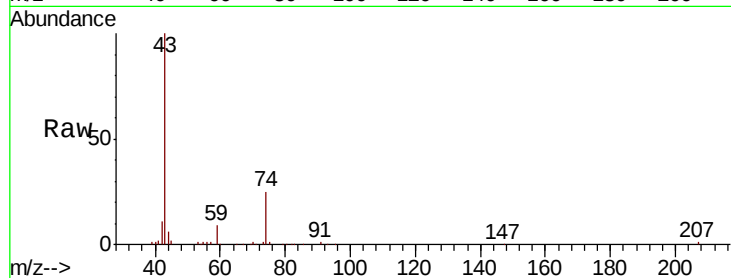




#15
Methyl Acetate
Concen: 17.691 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW016469.D
Acq: 06 Sep 2020 08:17

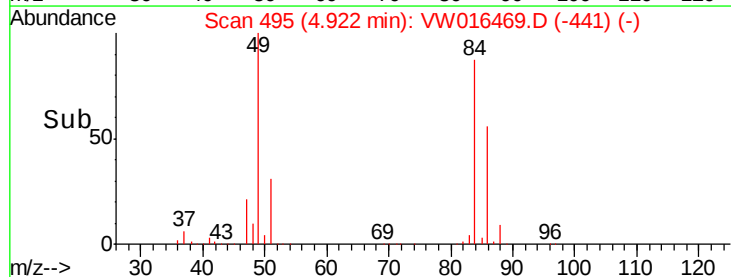
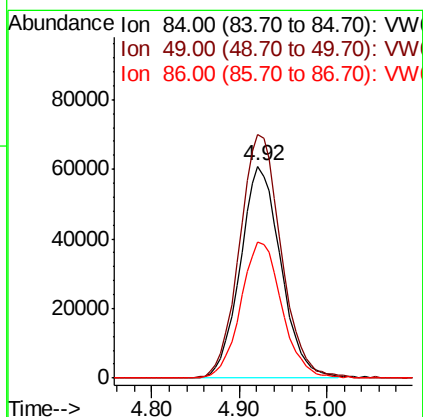
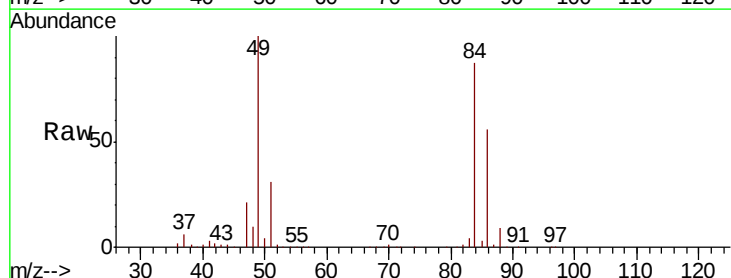
Instrument :
MSVOA_W
ClientSampled :

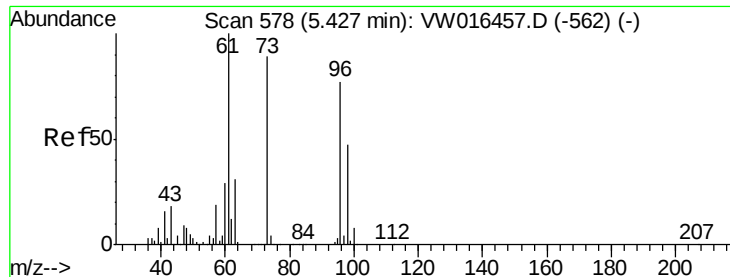
Tot Ion: 43 Resp: 68214
Ion Ratio Lower Upper
43 100
74 25.8 18.9 28.3



#16
Methylene chloride
Concen: 19.218 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016469.D
Acq: 06 Sep 2020 08:17

Tgt Ion: 84 Resp: 196079
Ion Ratio Lower Upper
84 100
49 115.0 86.7 160.9
86 64.2 44.9 83.5

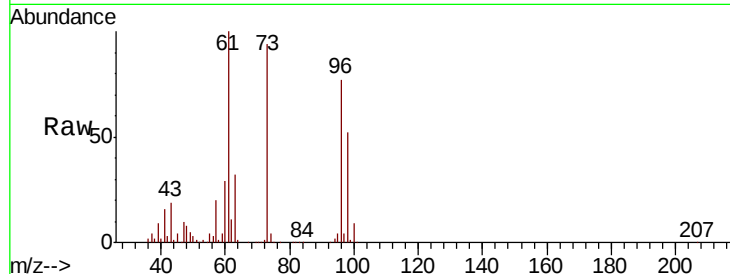




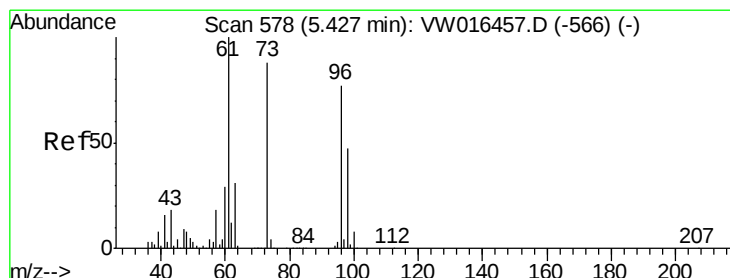
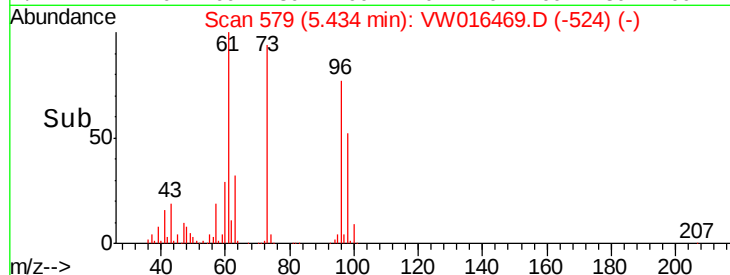
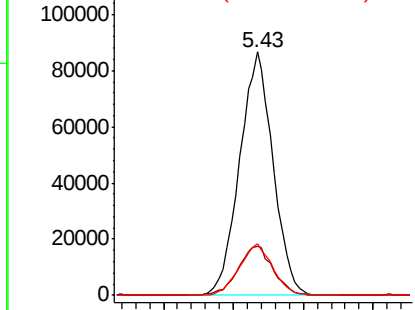
#17
Methvl tert-butvl Ether
Concen: 23.760 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016469.D
Acq: 06 Sep 2020 08:17

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.5	17.9	26.9
57	20.8	17.4	26.0

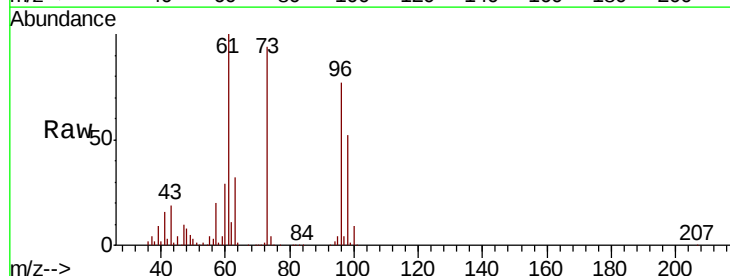


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

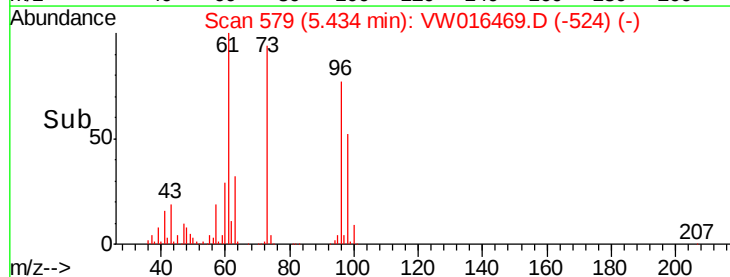
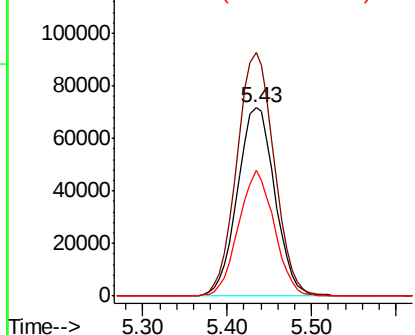


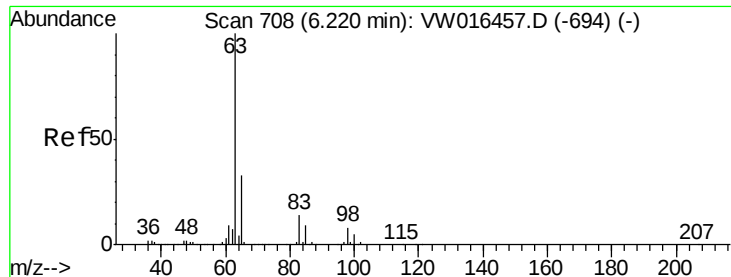
#18
trans-1,2-Dichloroethene
Concen: 25.252 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016469.D
Acq: 06 Sep 2020 08:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.4	96.4	179.0
98	67.1	45.1	83.7



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

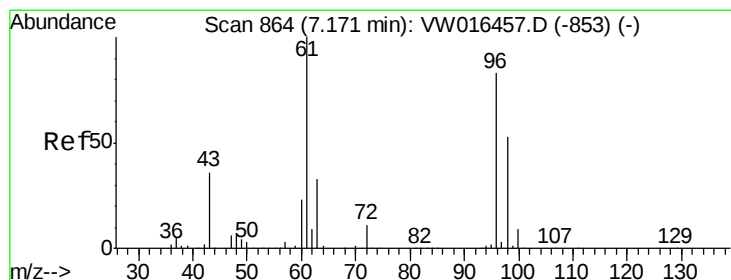
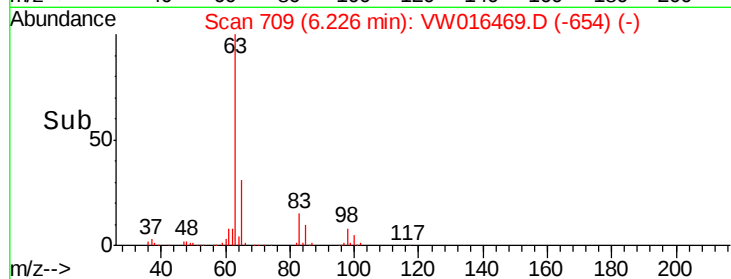
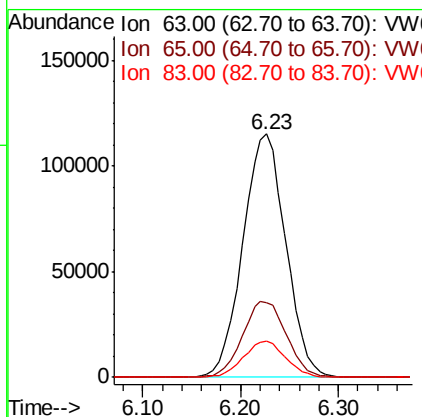
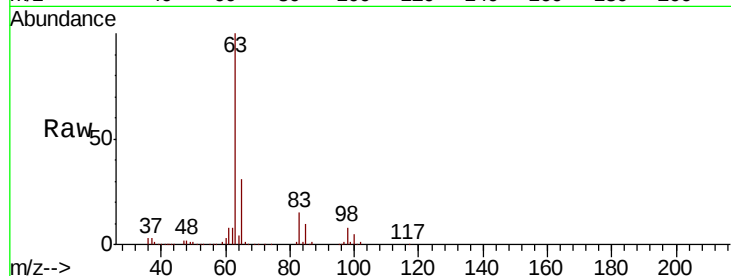




#19
 1,1-Dichloroethane
 Concen: 24.067 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW016469.D
 Acq: 06 Sep 2020 08:17

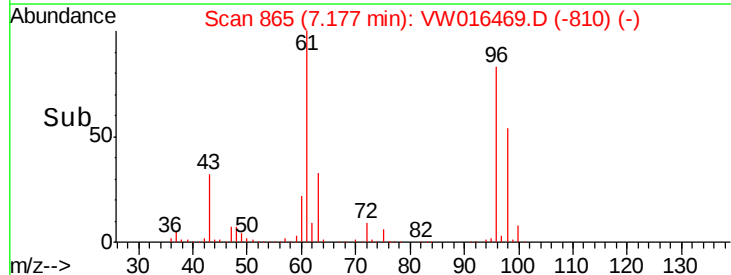
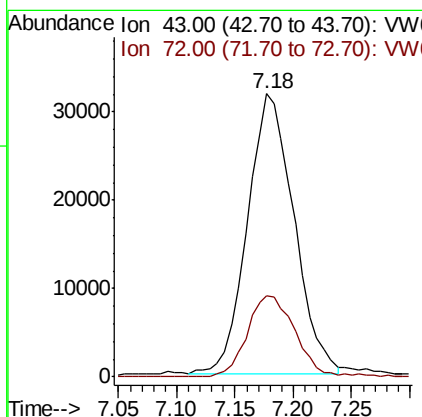
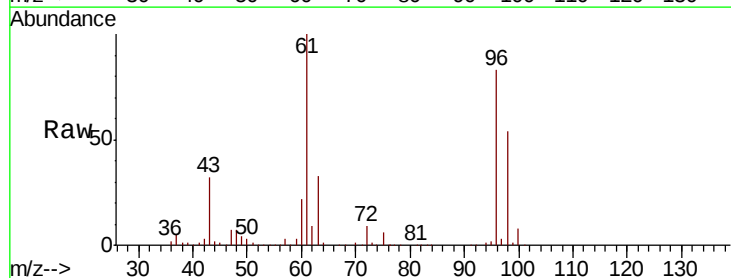
Instrument :
 MSVOA_W
 ClientSampleId :

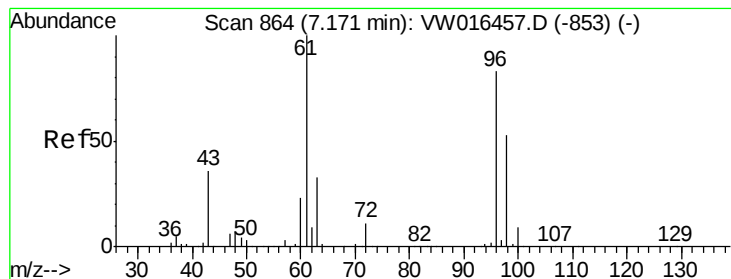
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	23.3	43.3
83	14.6	10.3	19.1



#21
 2-Butanone
 Concen: 32.863 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016469.D
 Acq: 06 Sep 2020 08:17

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.8	13.5	40.4



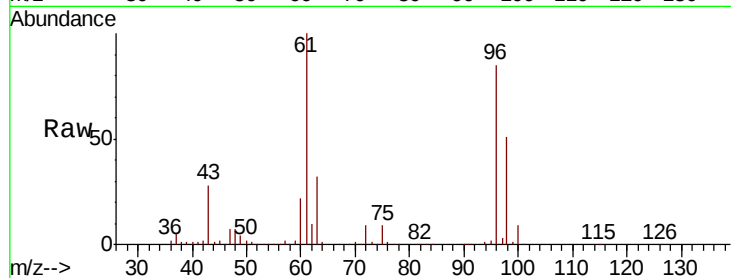


#22

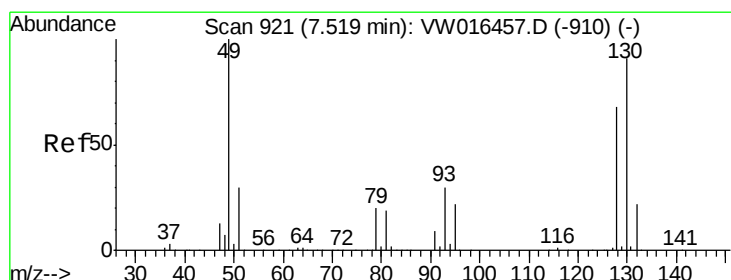
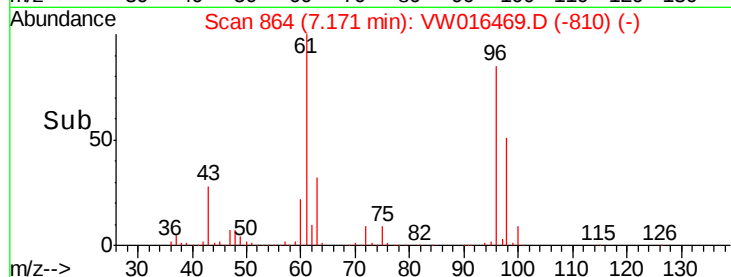
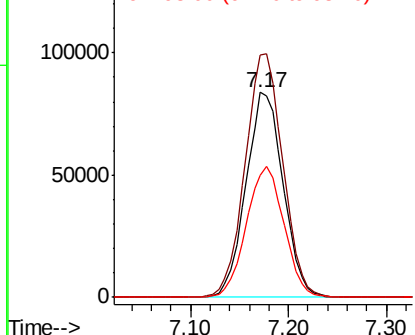
cis-1,2-Dichloroethene
Concen: 24.843 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016469.D
Acq: 06 Sep 2020 08:17

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 221466
Ion Ratio Lower Upper
96 100
61 118.1 86.1 159.9
98 59.8 44.1 81.9



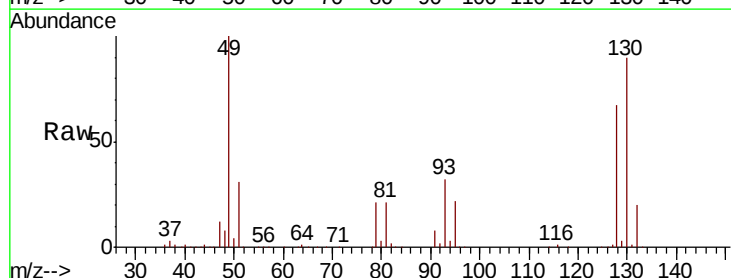
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



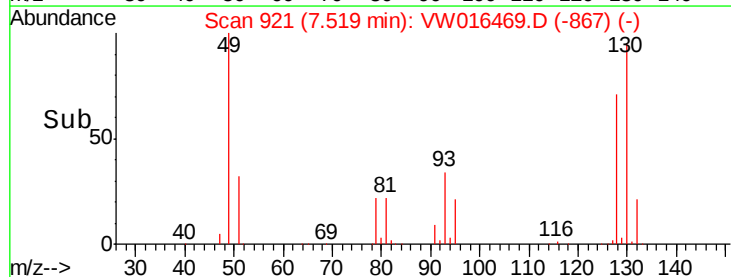
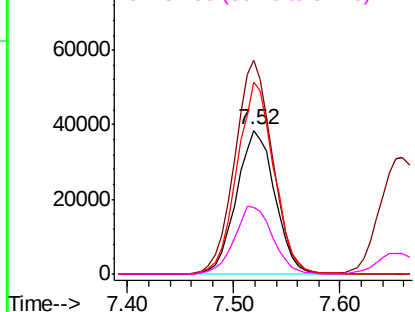
#23

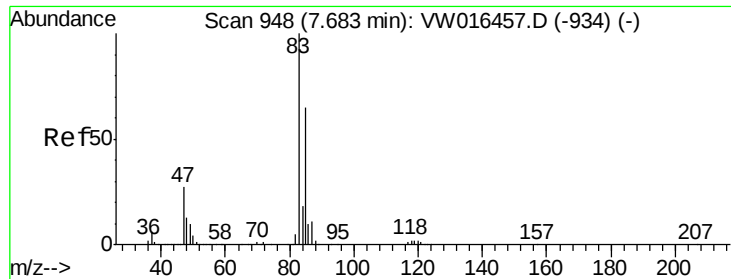
Bromochloromethane
Concen: 23.515 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW016469.D
Acq: 06 Sep 2020 08:17

Tgt Ion: 128 Resp: 97170
Ion Ratio Lower Upper
128 100
49 148.9 111.6 207.4
130 133.4 90.9 168.7
51 46.0 38.5 57.7



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

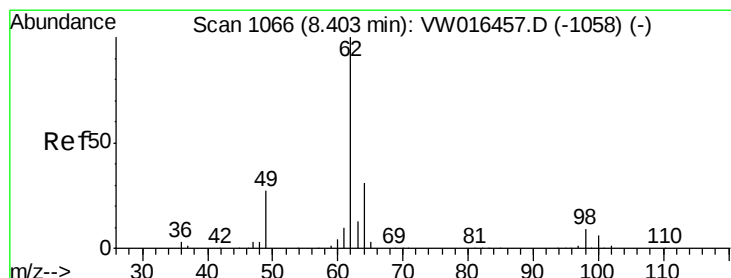
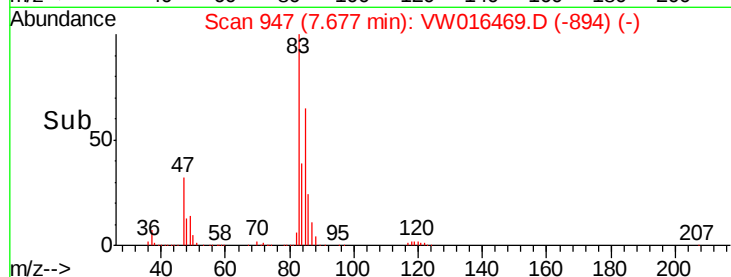
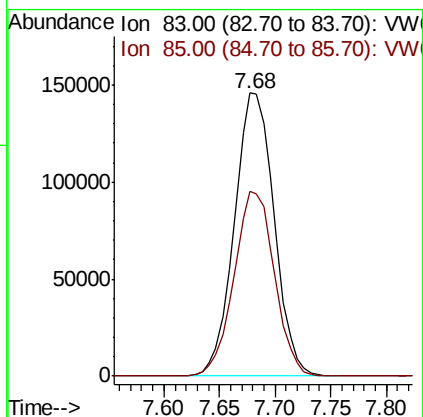
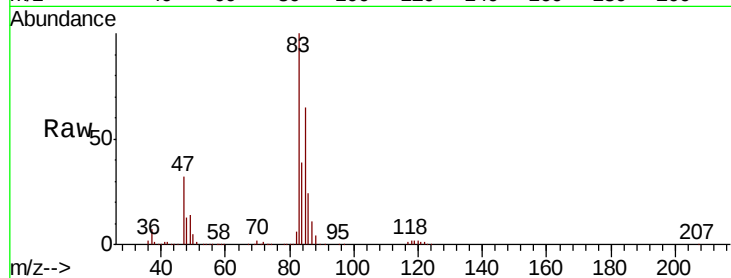




#25
Chloroform
Concen: 24.038 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW016469.D
Acq: 06 Sep 2020 08:17

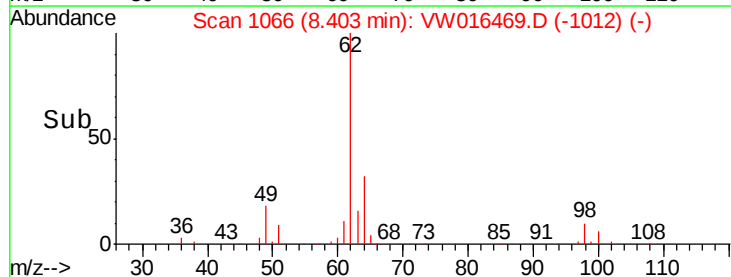
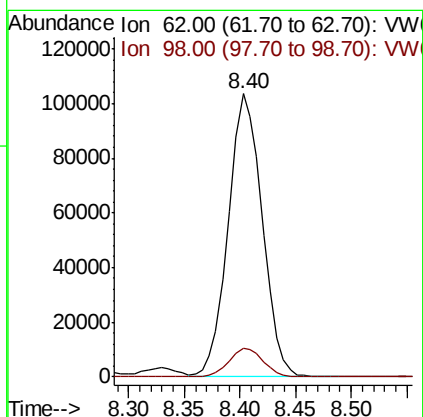
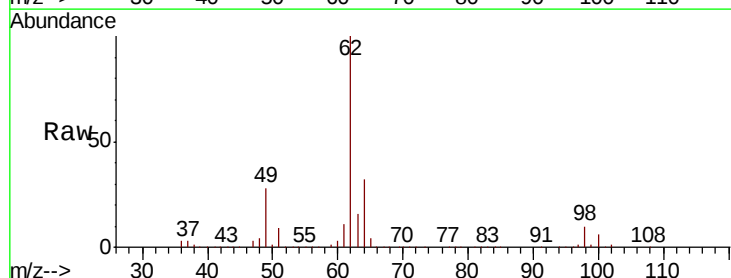
Instrument :
MSVOA_W
ClientSampleId :

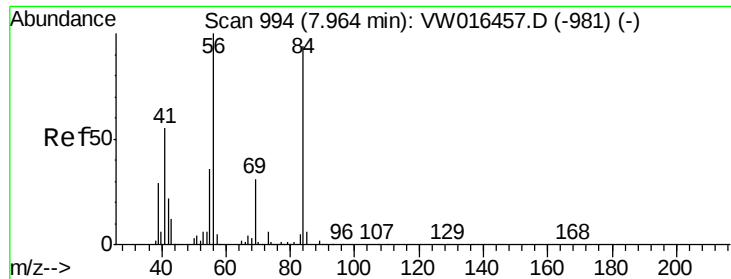
Tot Ion: 83 Resp: 362351
Ion Ratio Lower Upper
83 100
85 66.4 45.6 84.8



#27
1,2-Dichloroethane
Concen: 21.844 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016469.D
Acq: 06 Sep 2020 08:17

Tgt Ion: 62 Resp: 219270
Ion Ratio Lower Upper
62 100
98 9.9 7.3 10.9

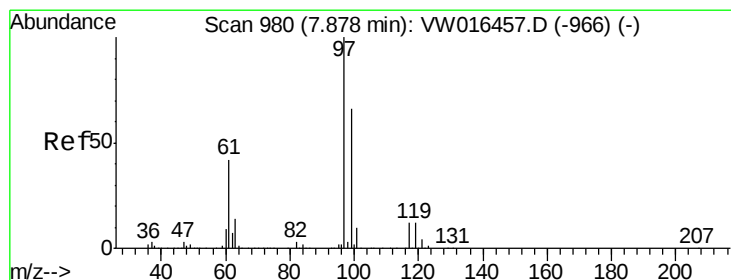
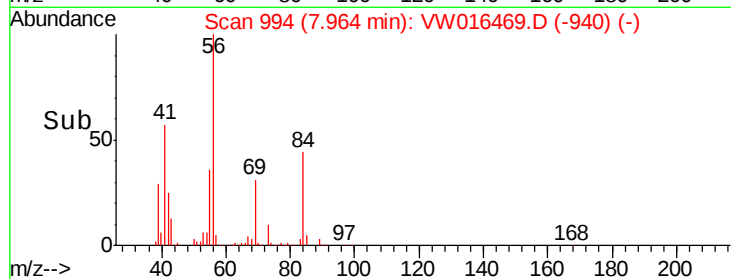
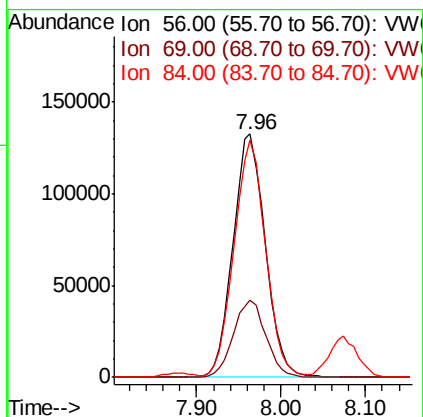
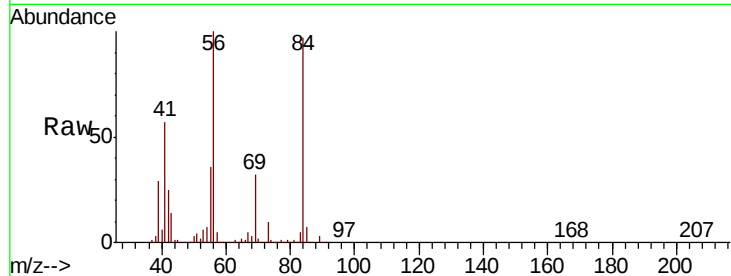




#30
Cyclohexane
Concen: 25.073 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.00 min
Lab File: VW016469.D
Acq: 06 Sep 2020 08:17

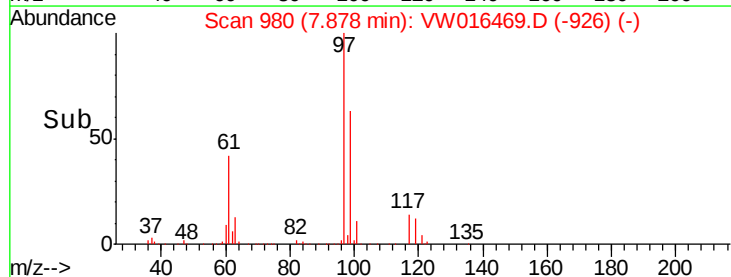
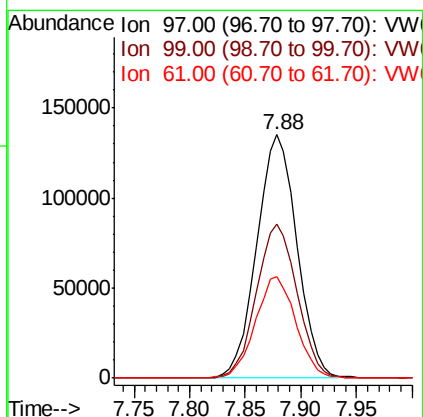
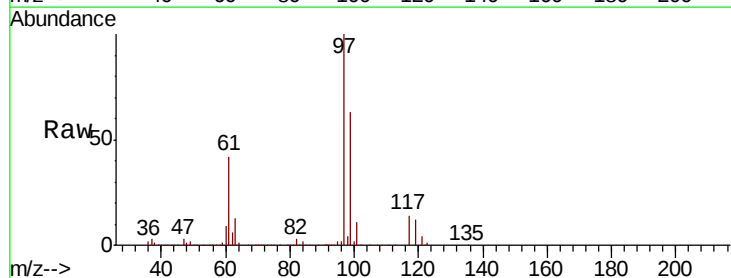
Instrument :
MSVOA_W
ClientSampleId :

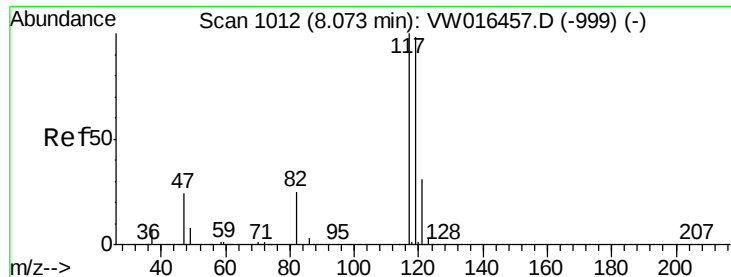
Tot Ion: 56 Resp: 342491
Ion Ratio Lower Upper
56 100
69 31.9 25.3 37.9
84 95.5 71.6 107.4



#31
1,1,1-Trichloroethane
Concen: 27.391 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016469.D
Acq: 06 Sep 2020 08:17

Tgt Ion: 97 Resp: 339161
Ion Ratio Lower Upper
97 100
99 64.2 52.2 78.2
61 42.2 36.3 54.5





#32

Carbon tetrachloride

Concen: 27.053 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

Instrument :

MSVOA_W

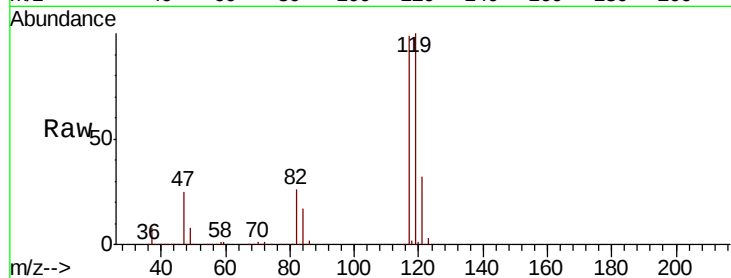
ClientSampleId :

Tot Ion:117 Resp: 320398

Ion Ratio Lower Upper

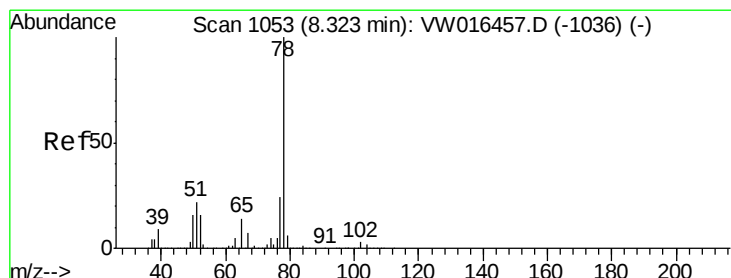
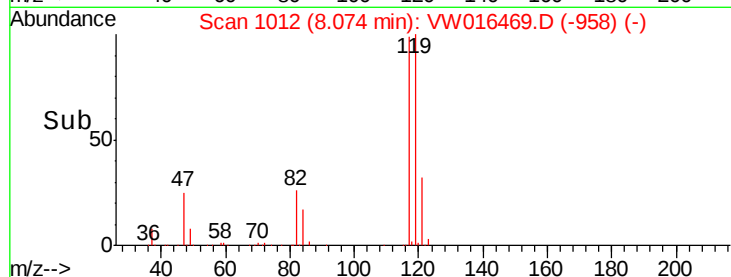
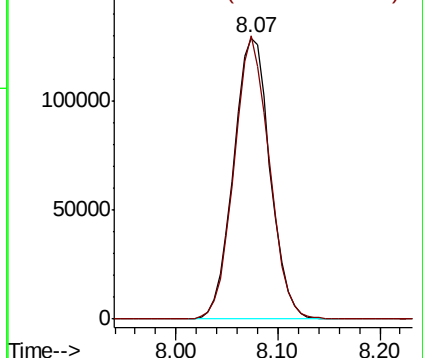
117 100

119 97.0 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: 25.867 ug/L

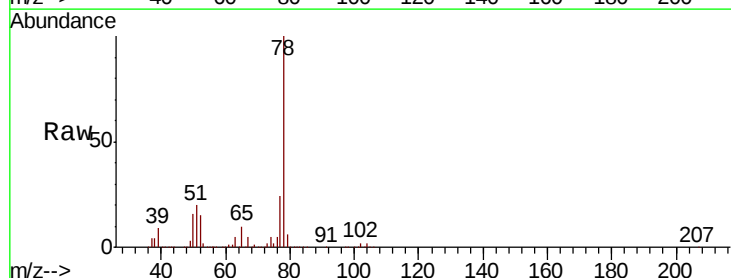
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

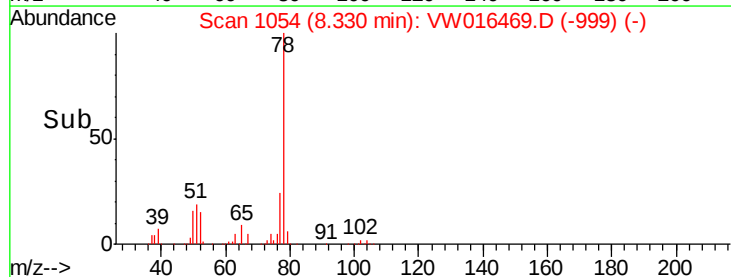
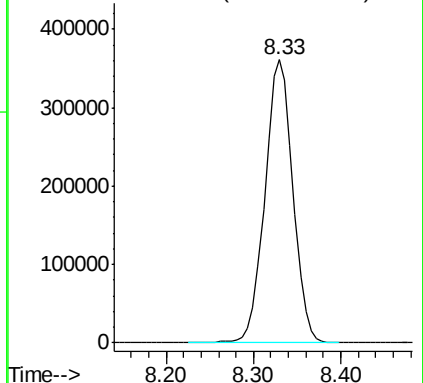
Lab File: VW016469.D

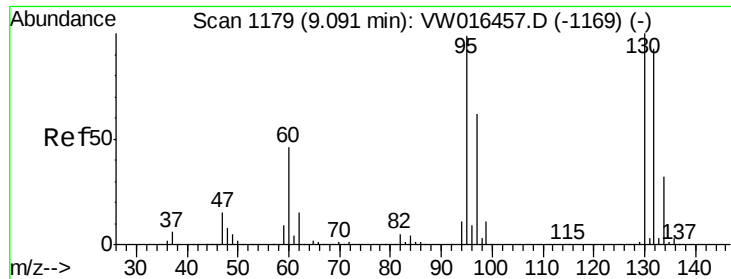
Acq: 06 Sep 2020 08:17

Tgt Ion: 78 Resp: 808730



Abundance Ion 78.00 (77.70 to 78.70): VW

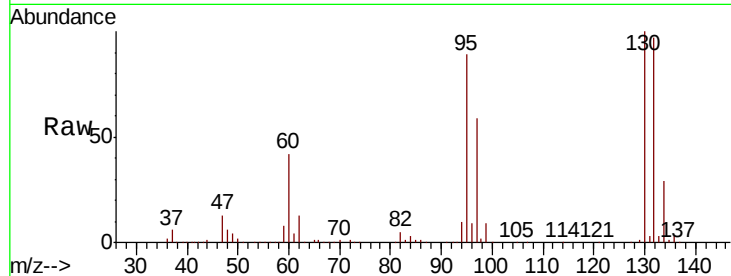




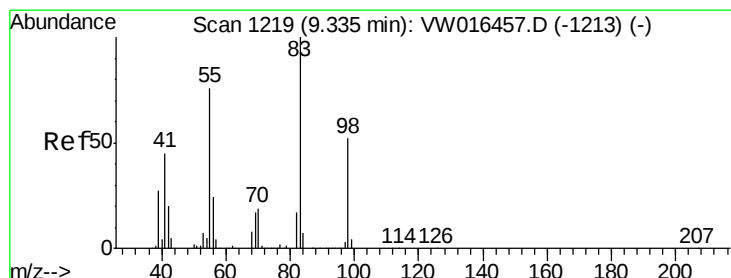
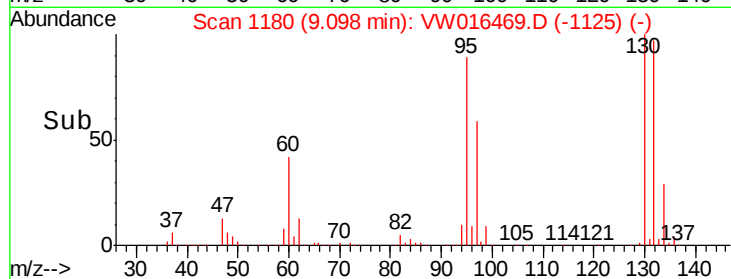
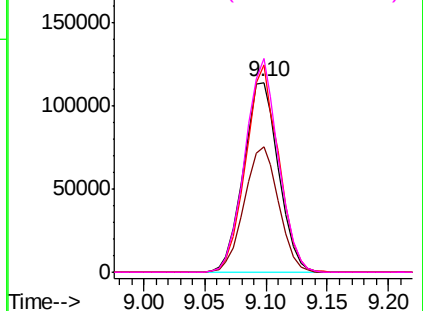
#35
 Trichloroethene
 Concen: 26.133 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW016469.D
 Acq: 06 Sep 2020 08:17

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	226399
Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.9	83.5
132	102.5	69.2	128.4
130	107.5	72.0	133.6

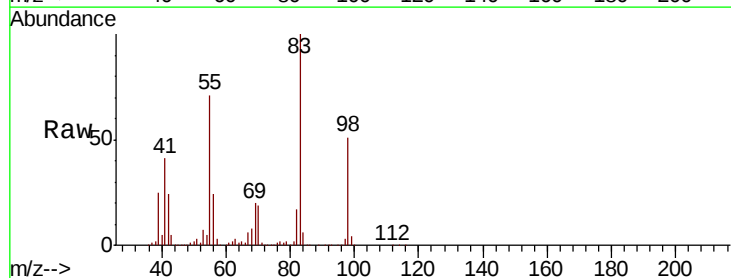


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

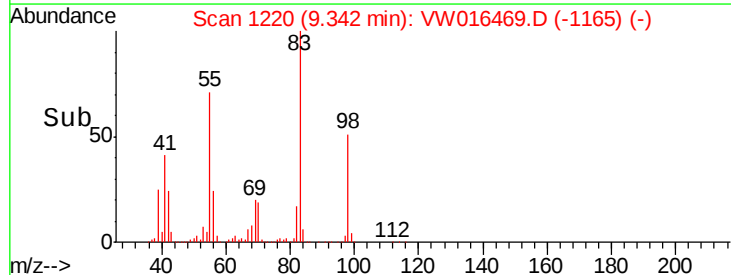
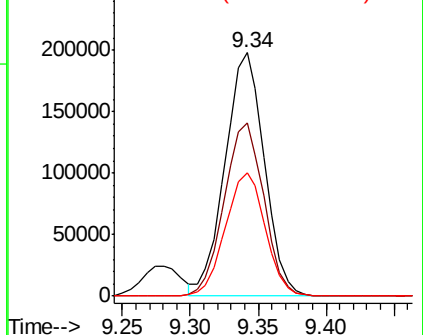


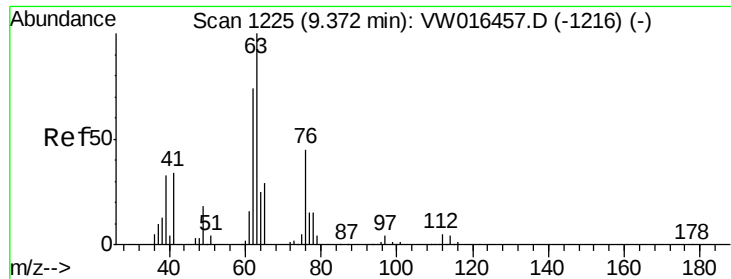
#36
 Methylcyclohexane
 Concen: 26.301 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW016469.D
 Acq: 06 Sep 2020 08:17

Tgt Ion:	83	Resp:	398654
Ion	Ratio	Lower	Upper
83	100		
55	71.5	60.9	91.3
98	51.4	40.0	60.0



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

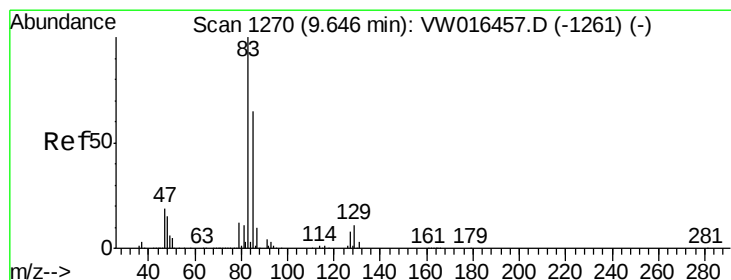
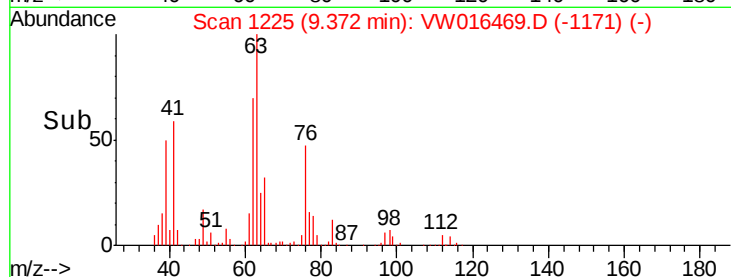
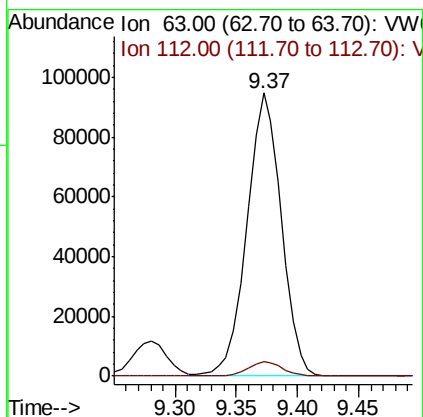
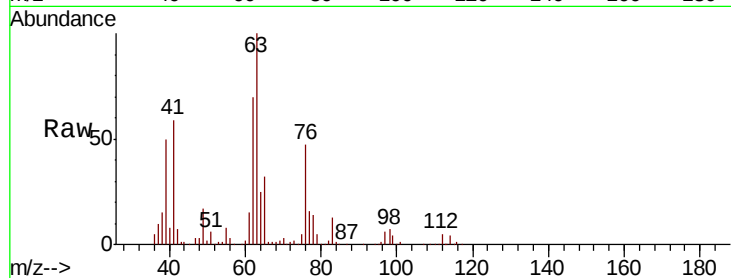




#40
 1,2-Dichloropropane
 Concen: 24.069 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016469.D
 Acq: 06 Sep 2020 08:17

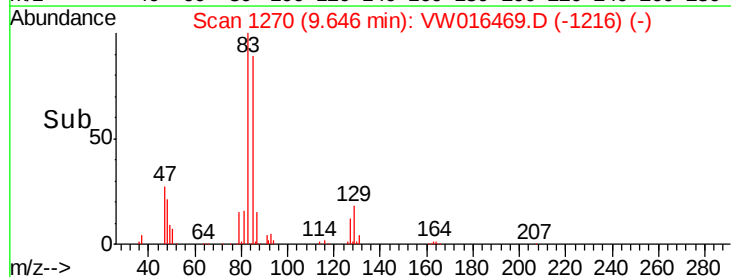
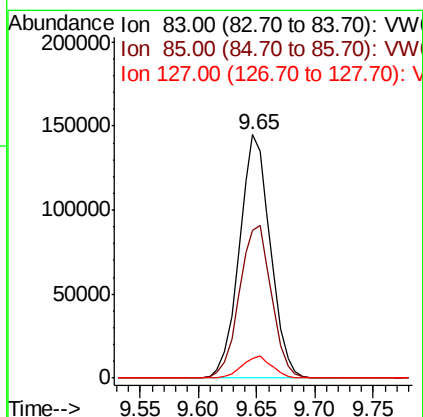
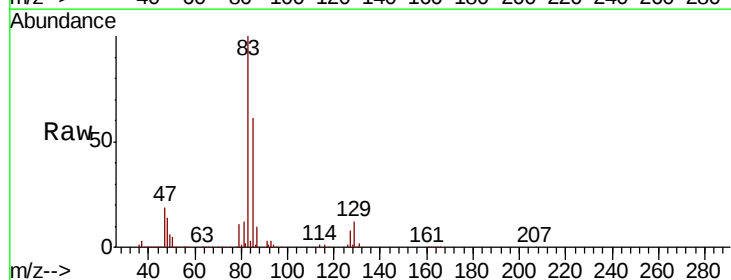
Instrument :
 MSVOA_W
 ClientSampled :

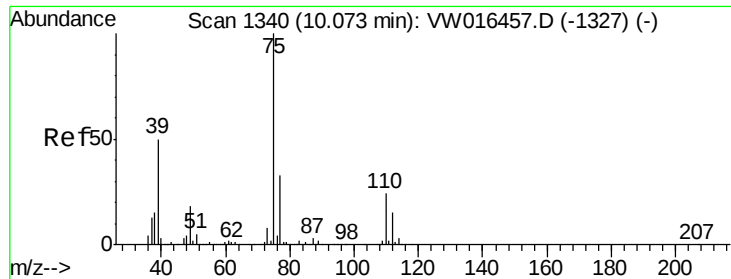
Tot Ion: 63 Resp: 186060
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.8 5.8



#41
 Bromodichloromethane
 Concen: 24.871 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016469.D
 Acq: 06 Sep 2020 08:17

Tgt Ion: 83 Resp: 268791
 Ion Ratio Lower Upper
 83 100
 85 60.8 43.5 80.7
 127 8.2 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 24.274 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

Instrument :

MSVOA_W

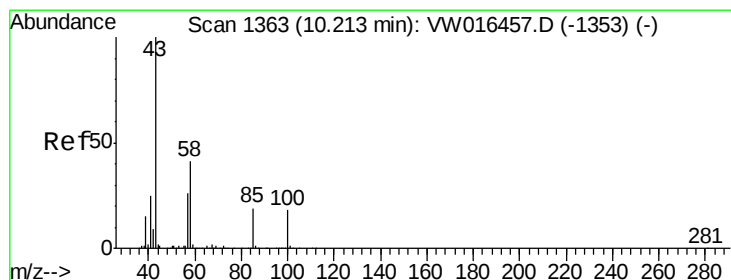
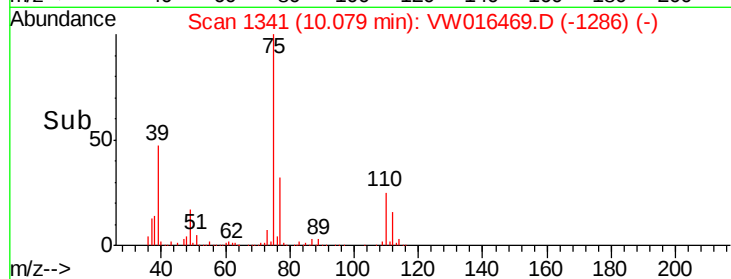
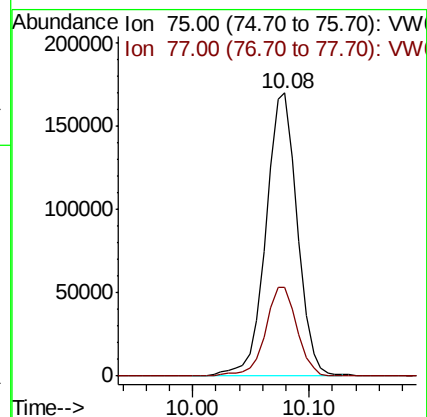
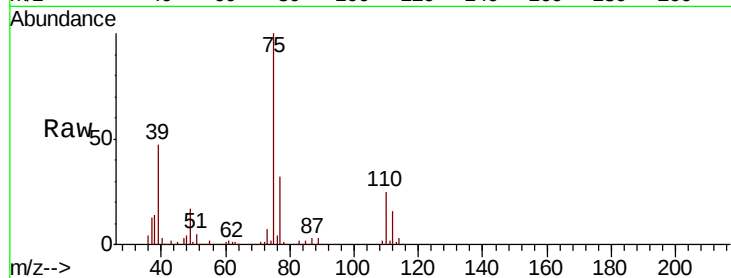
ClientSampleId :

Tot Ion: 75 Resp: 318433

Ion Ratio Lower Upper

75 100

77 31.6 20.9 38.7



#43

4-Methyl-2-pentanone

Concen: 38.810 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

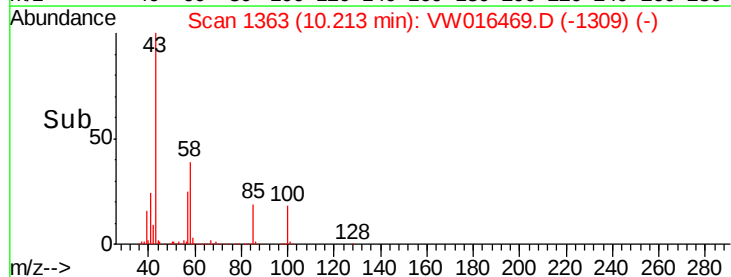
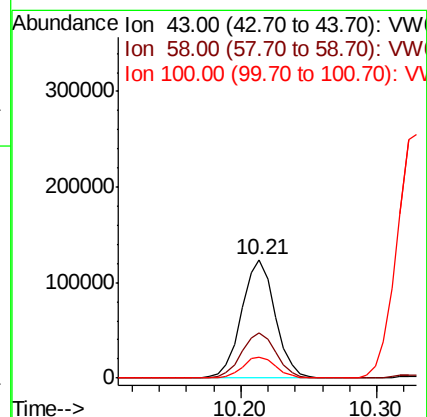
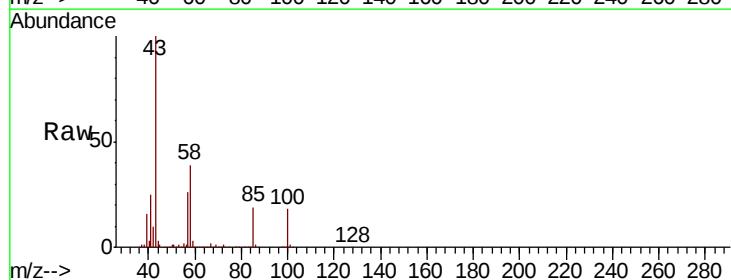
Tgt Ion: 43 Resp: 212442

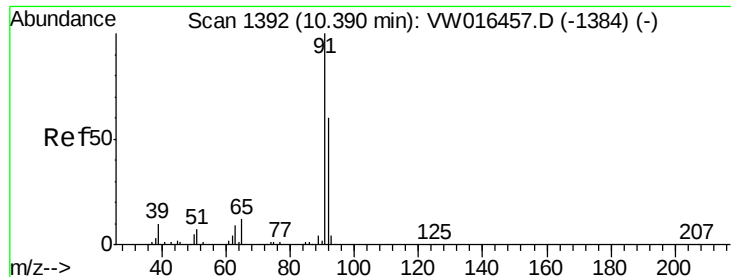
Ion Ratio Lower Upper

43 100

58 39.6 30.6 45.8

100 17.9 13.0 19.6





#44

Toluene

Concen: 25.797 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

Instrument :

MSVOA_W

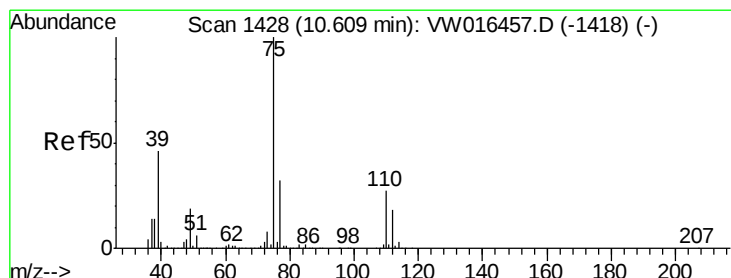
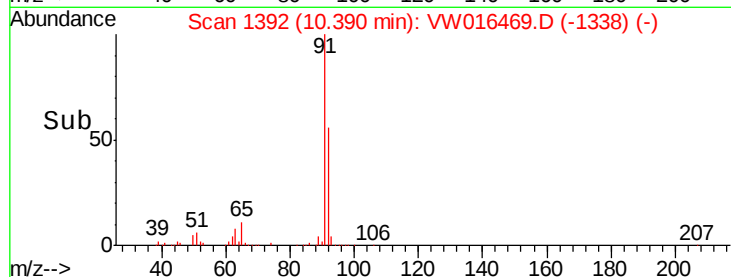
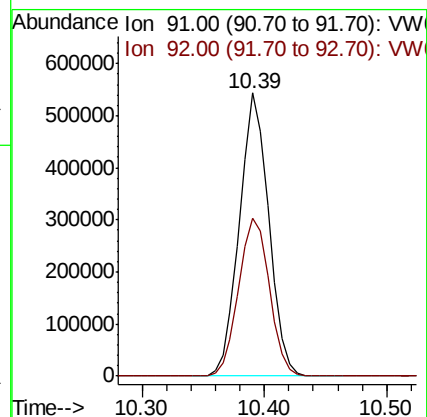
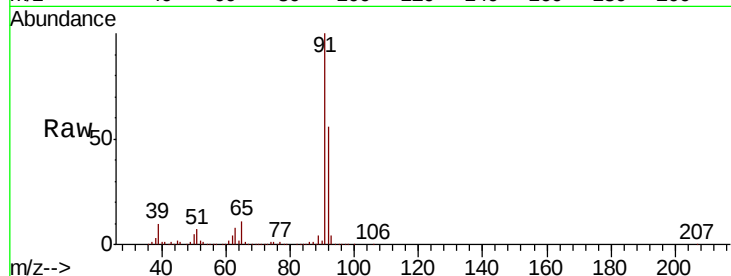
ClientSampled :

Tot Ion: 91 Resp: 902507

Ion Ratio Lower Upper

91 100

92 56.0 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 23.370 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016469.D

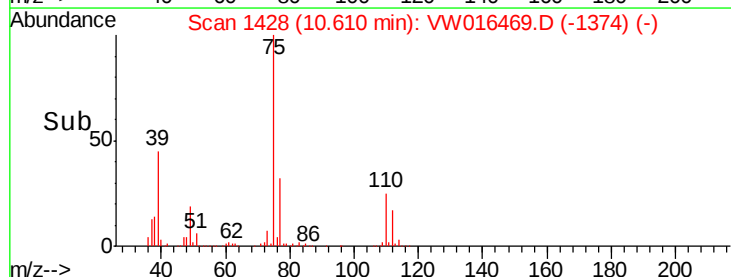
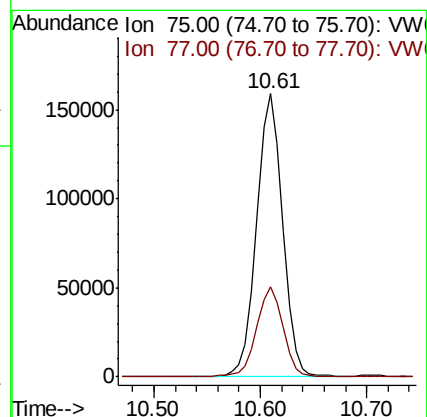
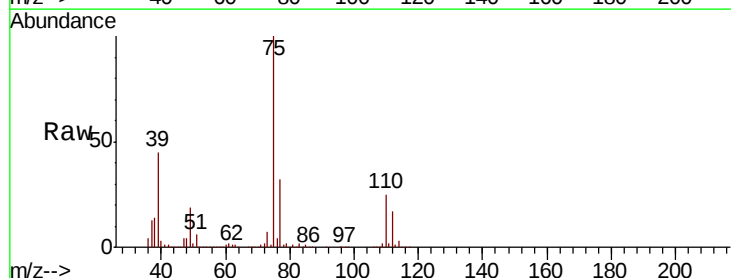
Acq: 06 Sep 2020 08:17

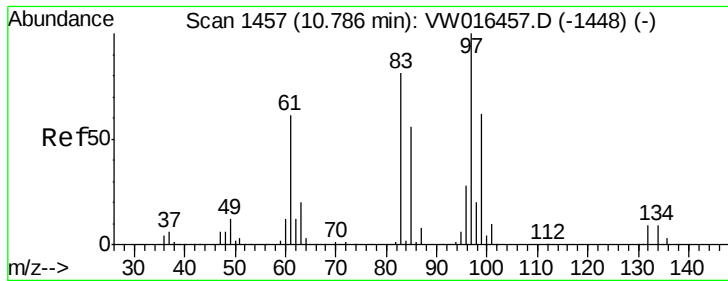
Tgt Ion: 75 Resp: 274033

Ion Ratio Lower Upper

75 100

77 31.9 21.9 40.7





#46

1,1,2-Trichloroethane

Concen: 23.235 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 142353

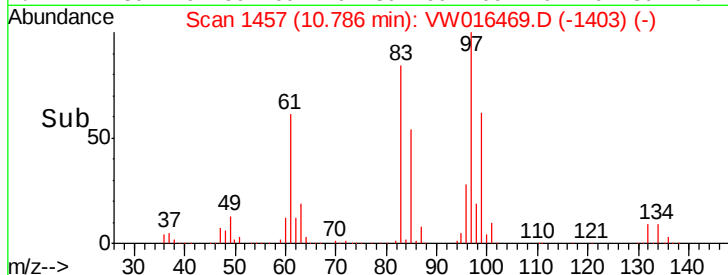
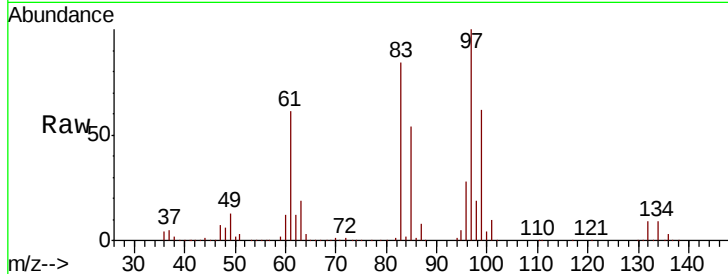
Ion Ratio Lower Upper

97 100

83 83.8 59.7 110.9

85 54.4 37.6 69.8

99 62.2 42.3 78.5



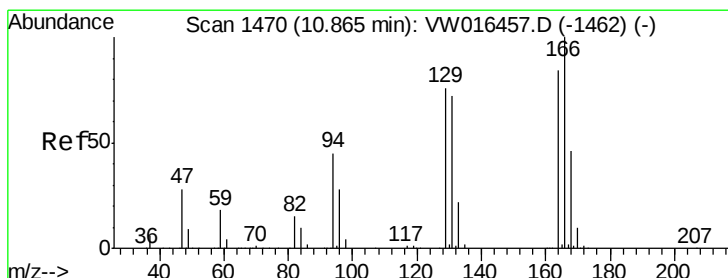
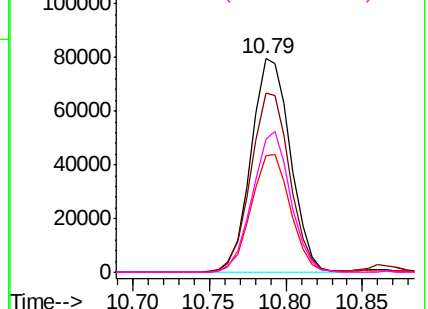
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 27.279 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

Tgt Ion: 164 Resp: 189481

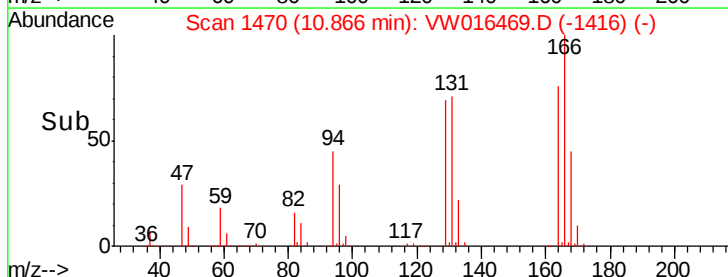
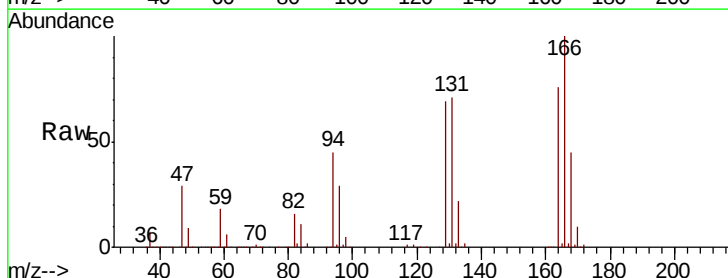
Ion Ratio Lower Upper

164 100

129 90.9 65.7 121.9

131 93.2 61.1 113.5

166 132.0 85.0 157.8



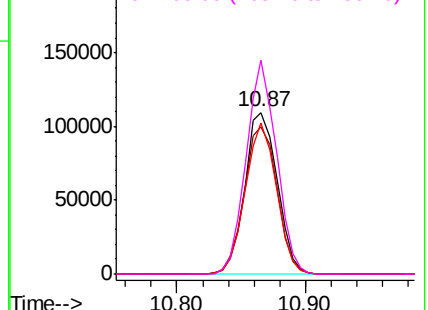
Abundance

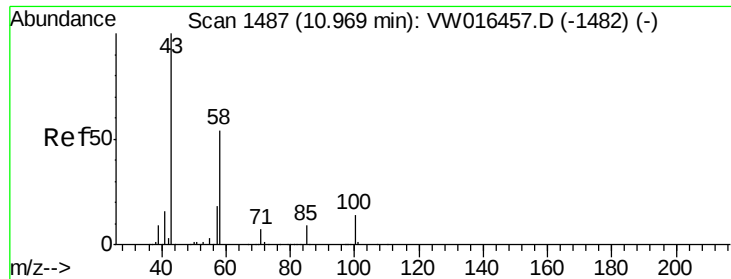
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 39.529 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 150687

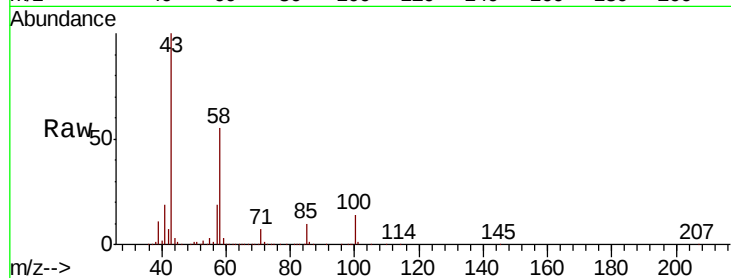
Ion Ratio Lower Upper

43 100

58 53.7 42.1 63.1

57 19.1 14.9 22.3

100 13.8 10.3 15.5

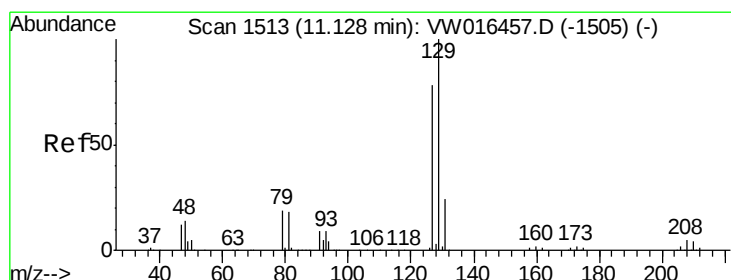
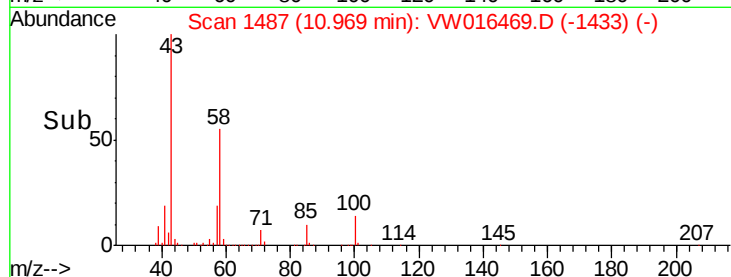
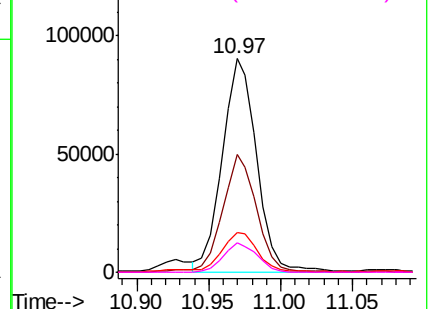


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.142 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016469.D

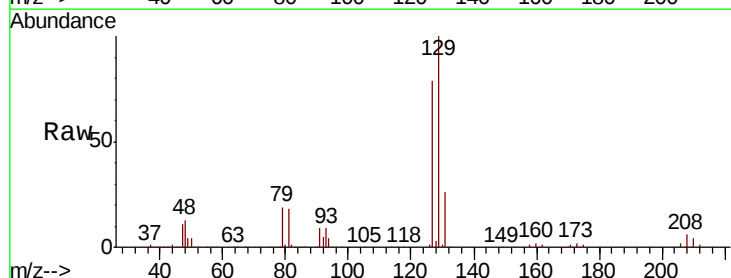
Acq: 06 Sep 2020 08:17

Tgt Ion: 129 Resp: 187033

Ion Ratio Lower Upper

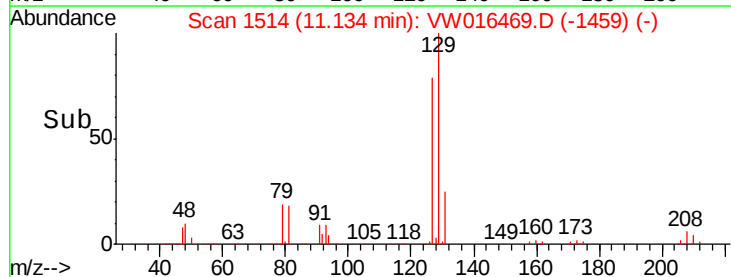
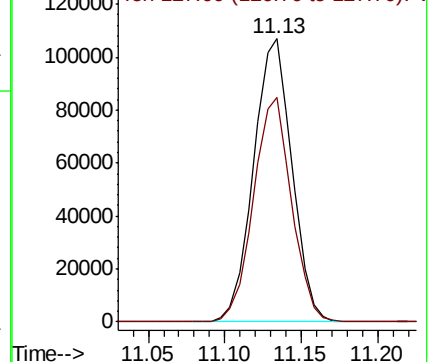
129 100

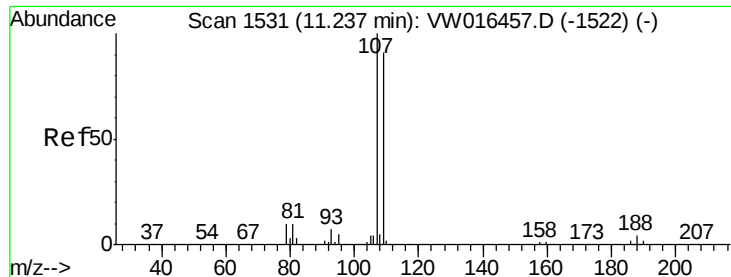
127 79.4 55.4 103.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

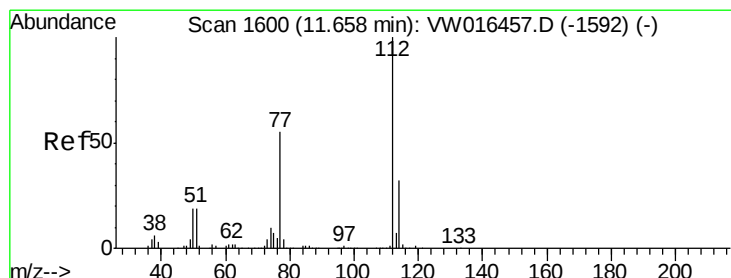
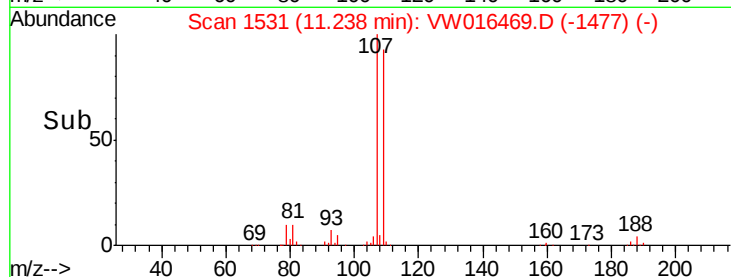
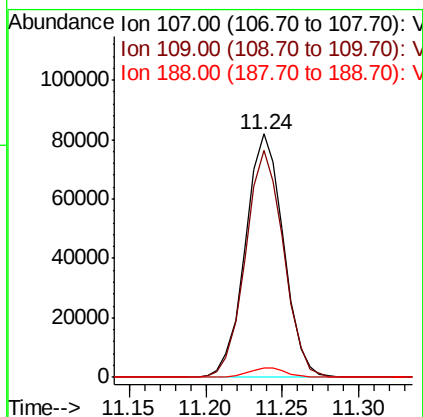
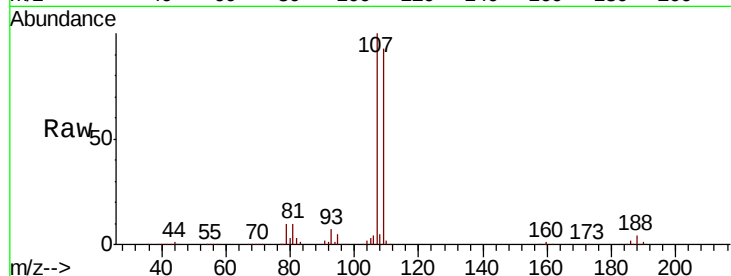




#51
1,2-Dibromoethane
Concen: 23.166 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016469.D
Acq: 06 Sep 2020 08:17

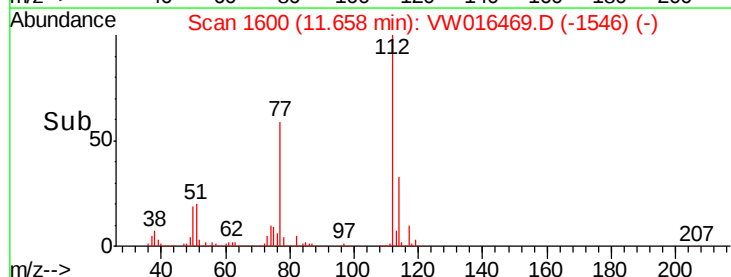
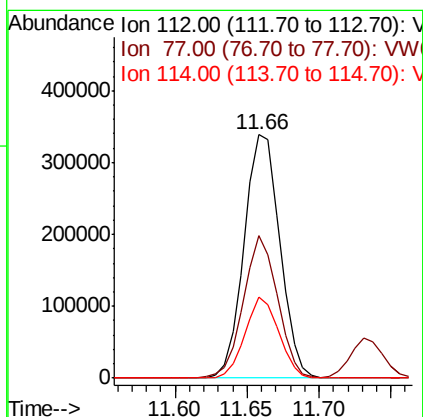
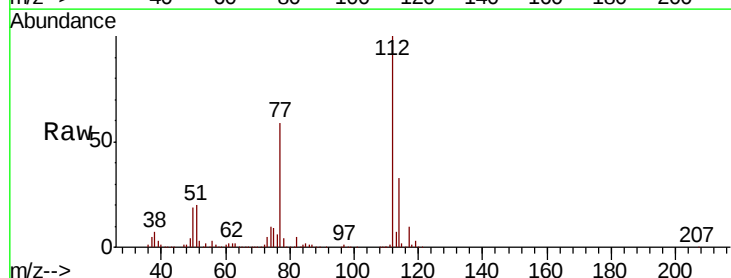
Instrument :
MSVOA_W
ClientSampleId :

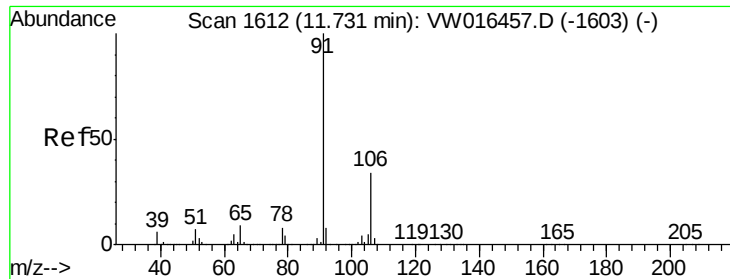
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	64.8	120.4
188	3.7	3.4	5.0



#52
Chlorobenzene
Concen: 26.177 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016469.D
Acq: 06 Sep 2020 08:17

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.6	46.2	69.2
114	33.1	21.1	39.3

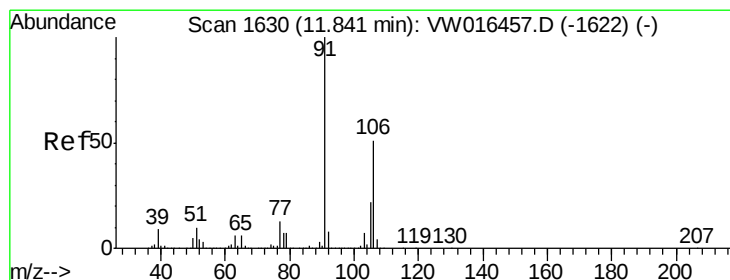
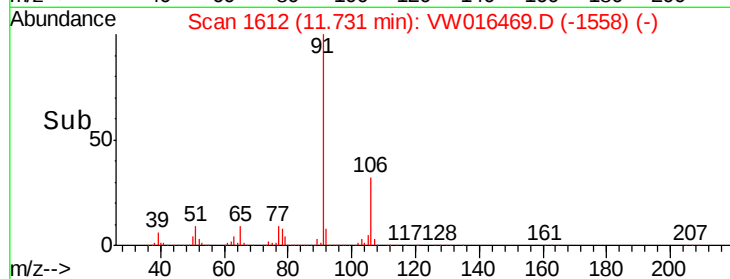
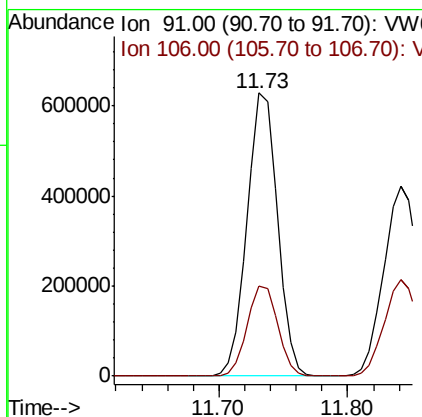
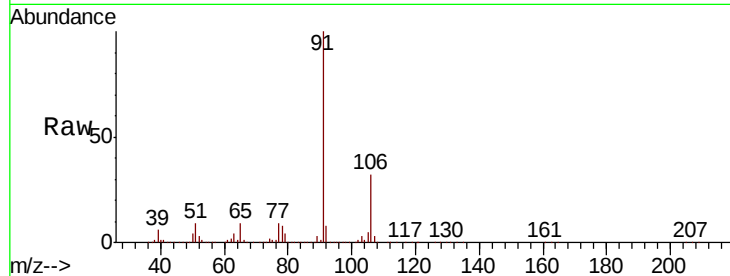




#53
Ethylbenzene
Concen: 25.984 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016469.D
Acq: 06 Sep 2020 08:17

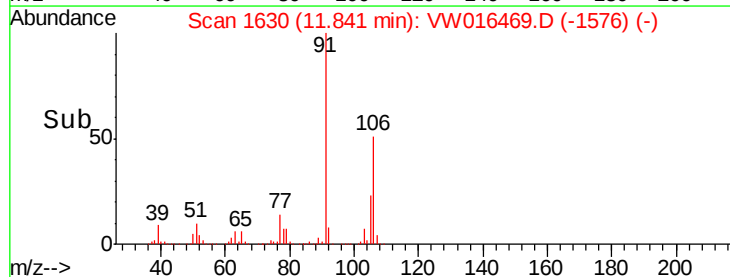
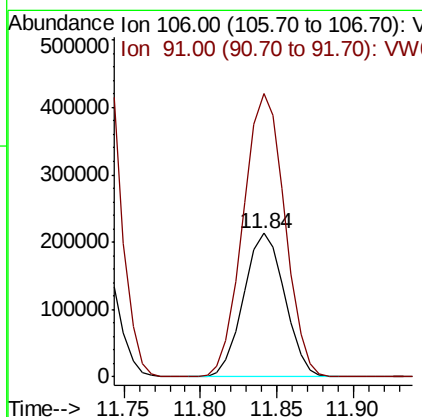
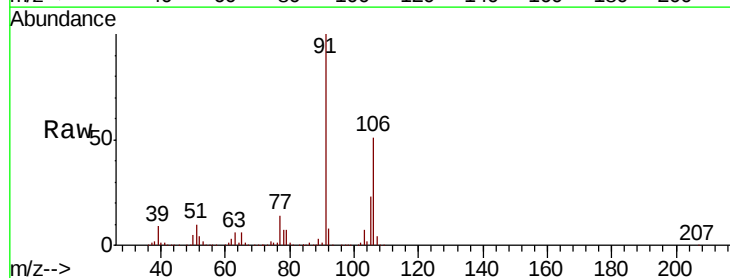
Instrument :
MSVOA_W
ClientSampled :

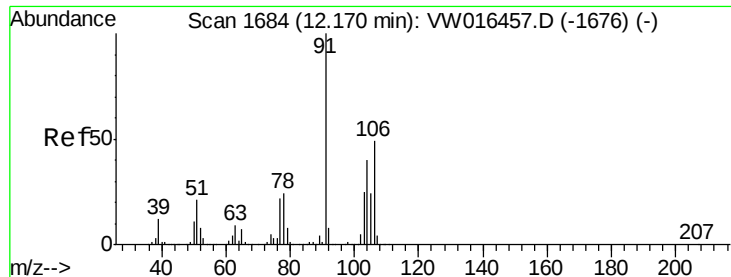
Tot Ion: 91 Resp: 1023961
Ion Ratio Lower Upper
91 100
106 31.9 21.6 40.2



#54
m,p-Xylene
Concen: 26.456 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016469.D
Acq: 06 Sep 2020 08:17

Tgt Ion: 106 Resp: 398454
Ion Ratio Lower Upper
106 100
91 197.3 142.3 264.3





#55

o-xylene

Concen: 25.945 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

Instrument :

MSVOA_W

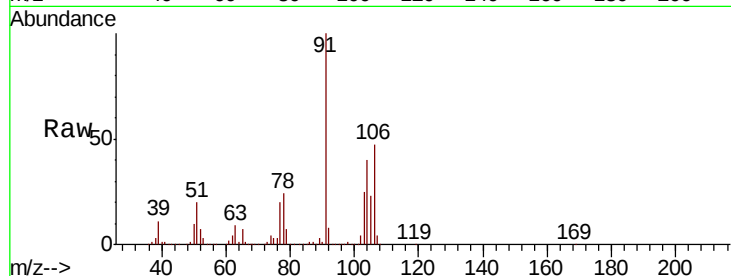
ClientSampleId :

Tot Ion:106 Resp: 372221

Ion Ratio Lower Upper

106 100

91 211.2 144.3 267.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

500000

400000

300000

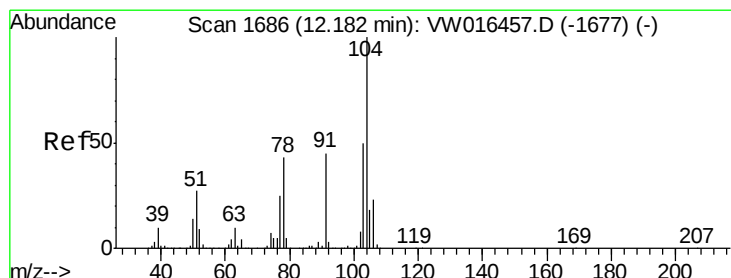
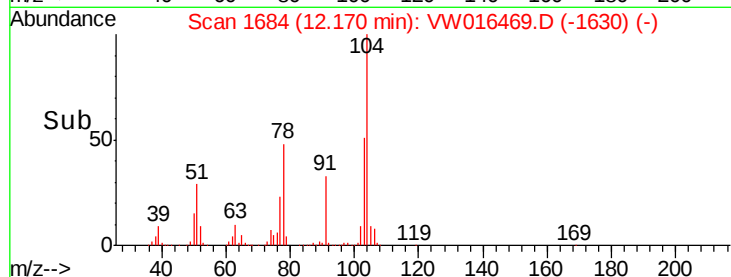
200000

100000

0

12.10 12.20

Time-->



#56

Styrene

Concen: 25.602 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016469.D

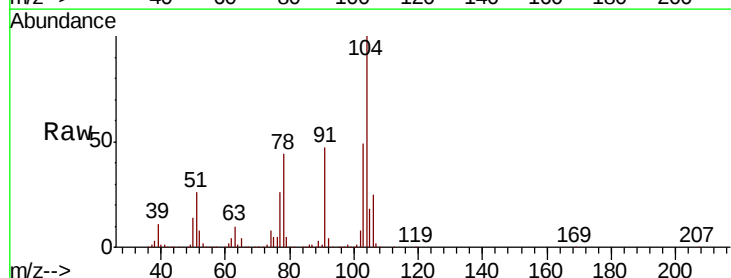
Acq: 06 Sep 2020 08:17

Tgt Ion:104 Resp: 631095

Ion Ratio Lower Upper

104 100

78 43.7 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

400000

300000

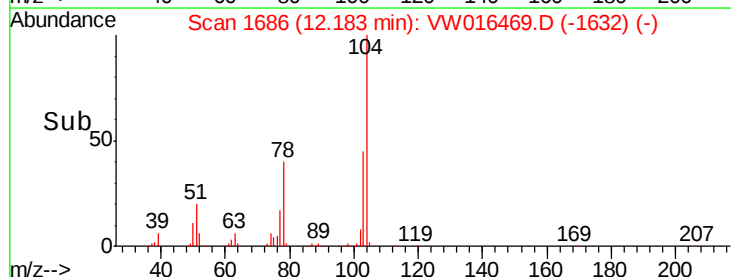
200000

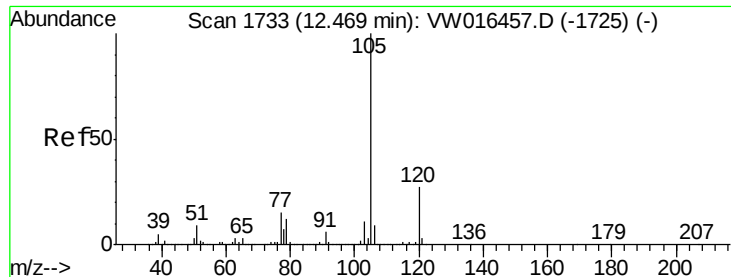
100000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 26.820 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

Instrument :

MSVOA_W

ClientSampleId :

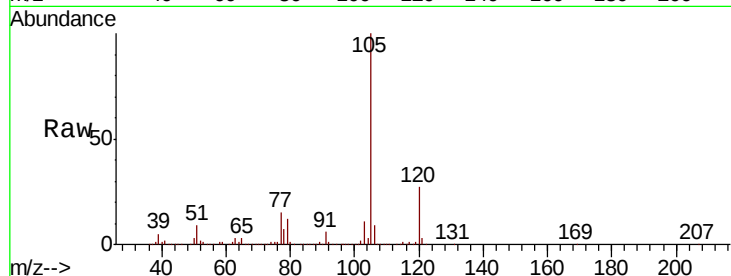
Tot Ion:105 Resp: 1054027

Ion Ratio Lower Upper

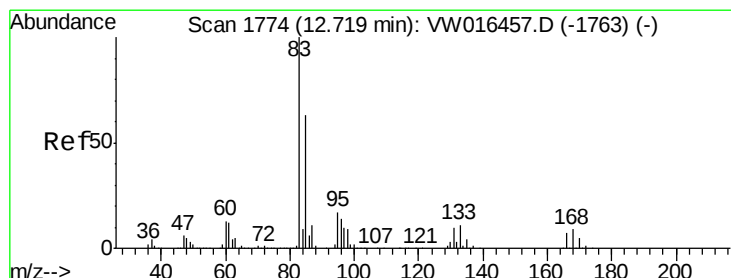
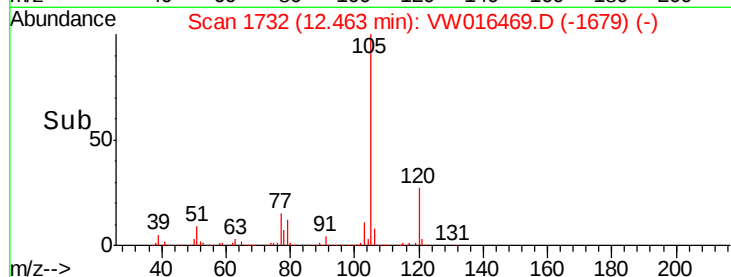
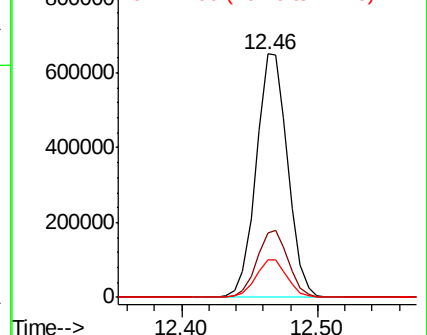
105 100

120 27.3 21.9 32.9

77 15.2 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: 21.817 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

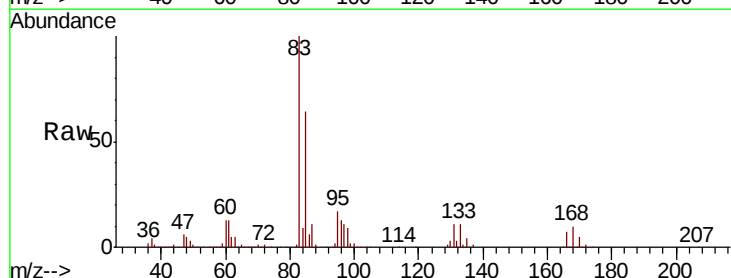
Tgt Ion: 83 Resp: 159342

Ion Ratio Lower Upper

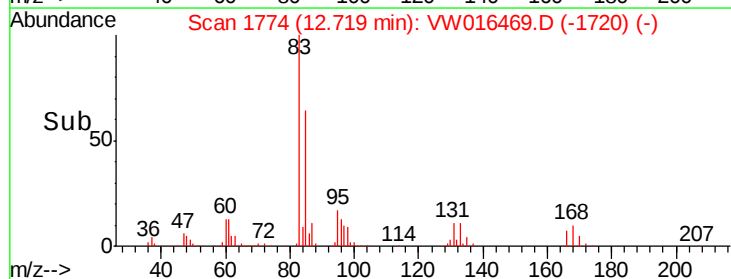
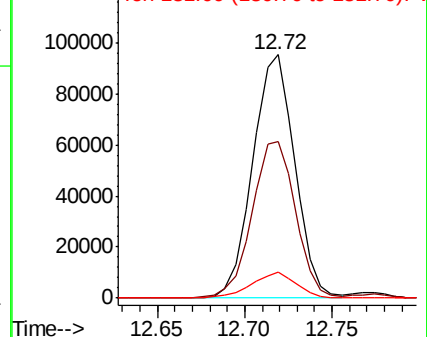
83 100

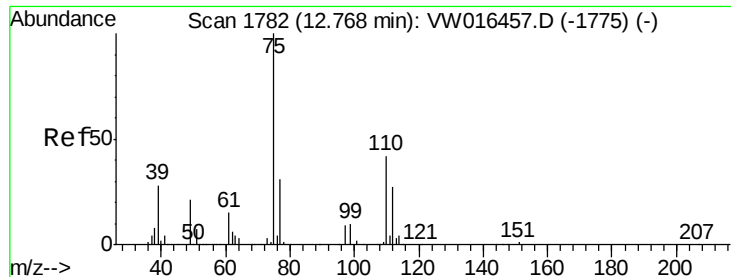
85 64.3 45.3 84.1

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: 21.061 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

Instrument :

MSVOA_W

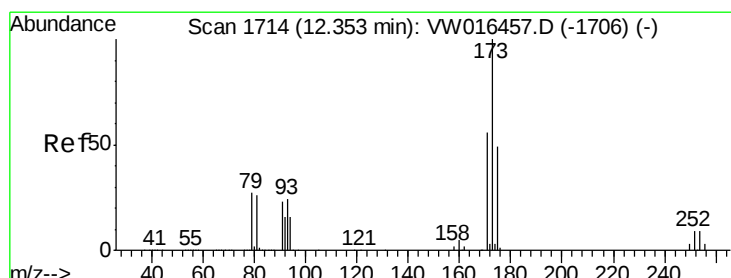
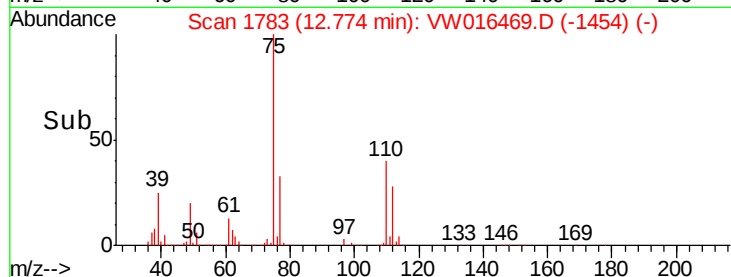
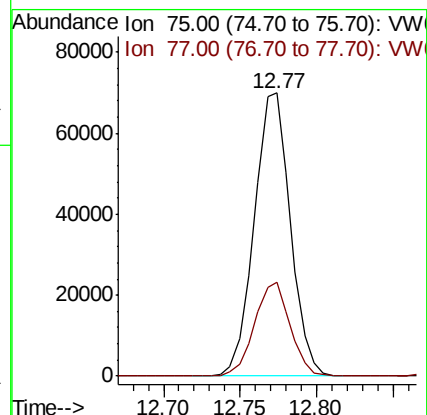
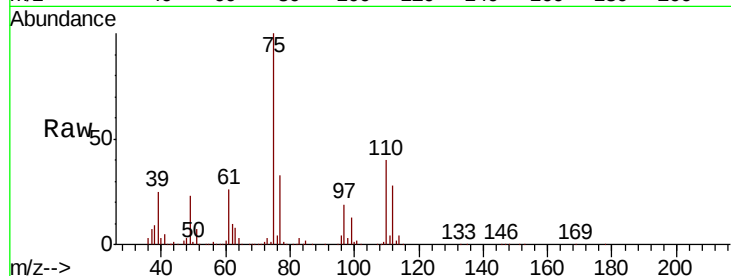
ClientSampleId :

Tot Ion: 75 Resp: 114967

Ion Ratio Lower Upper

75 100

77 32.8 26.0 39.0



#62

Bromoform

Concen: 24.095 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

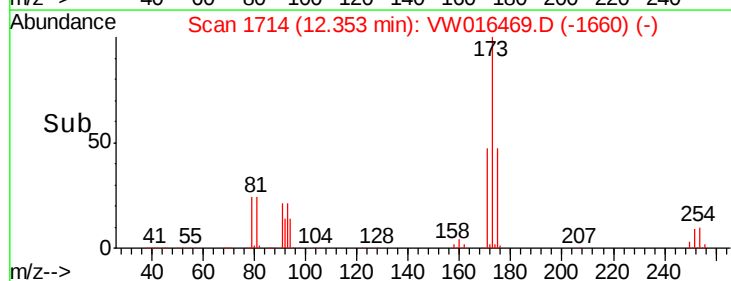
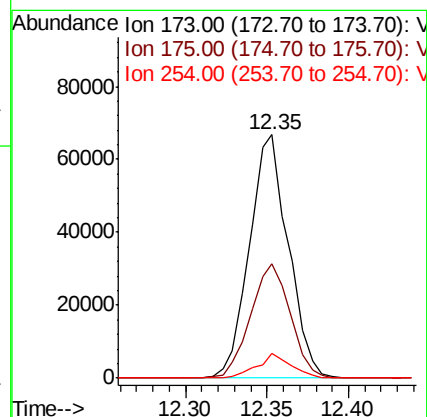
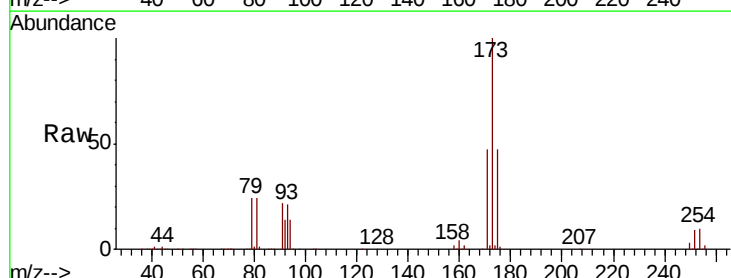
Tgt Ion: 173 Resp: 110496

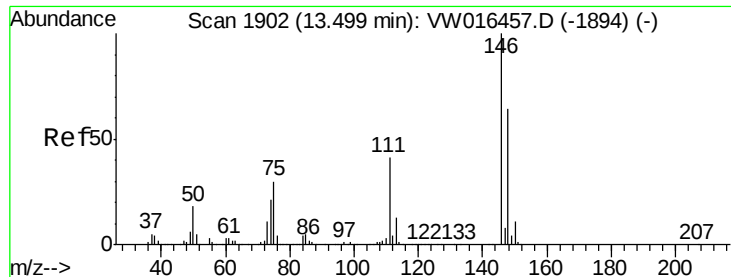
Ion Ratio Lower Upper

173 100

175 47.8 39.2 58.8

254 9.0 5.8 8.6#

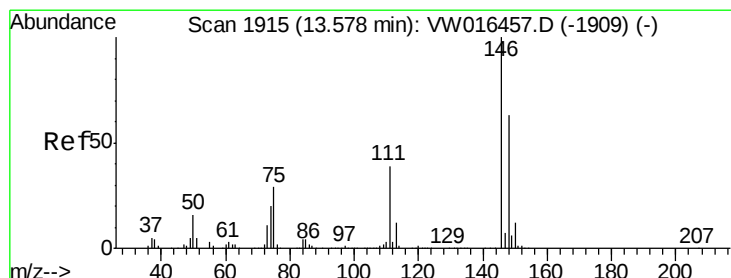
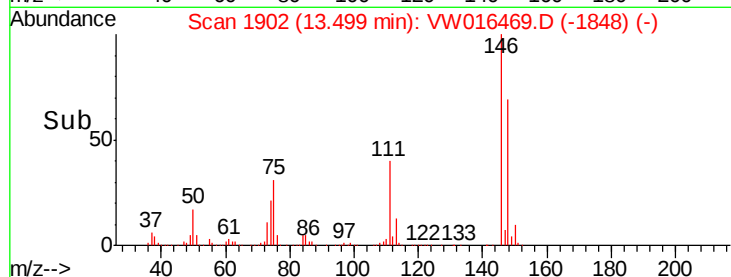
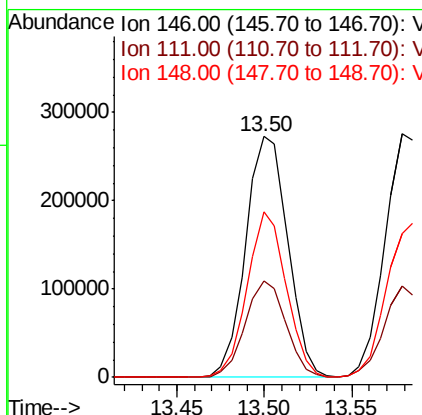
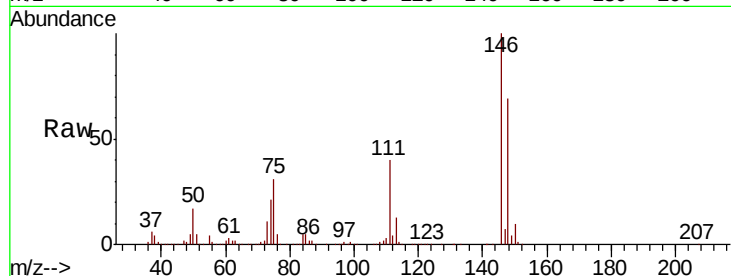




#63
 1,3-Dichlorobenzene
 Concen: 26.469 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016469.D
 Acq: 06 Sep 2020 08:17

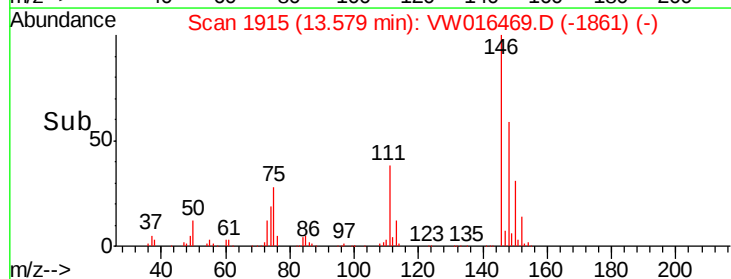
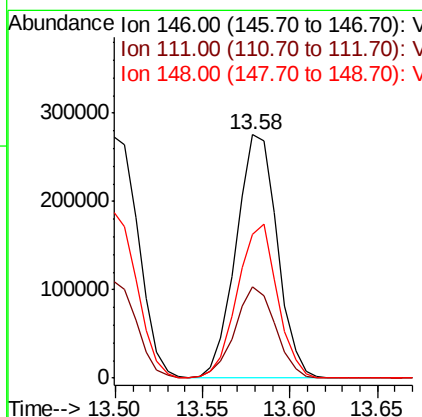
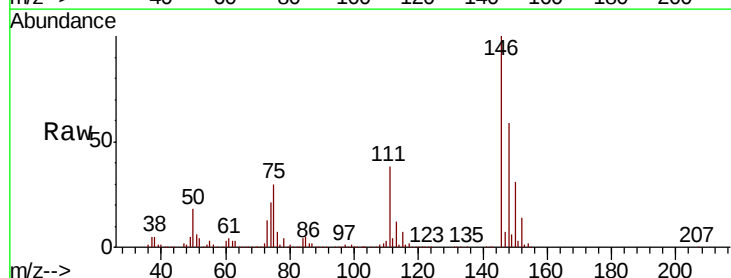
Instrument :
 MSVOA_W
 ClientSampleId :

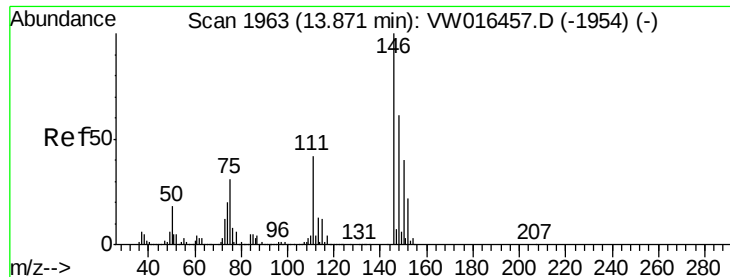
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	26.5	49.3
148	68.6	41.3	76.7



#64
 1,4-Dichlorobenzene
 Concen: 26.471 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016469.D
 Acq: 06 Sep 2020 08:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	26.4	49.0
148	59.1	45.1	83.9

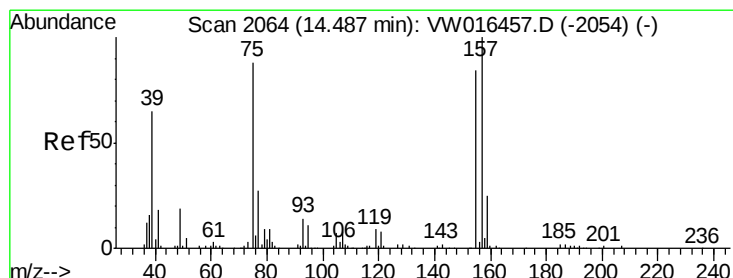
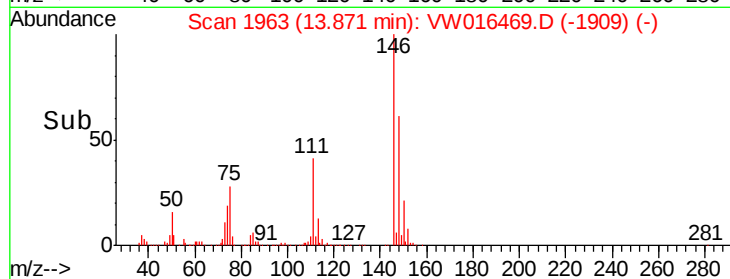
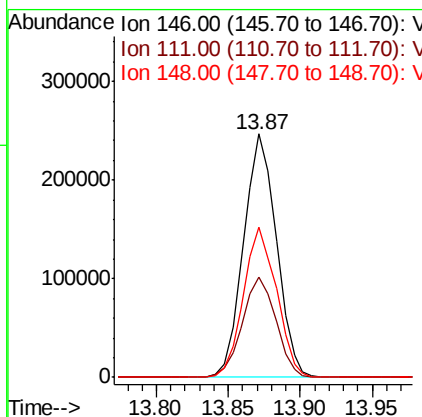
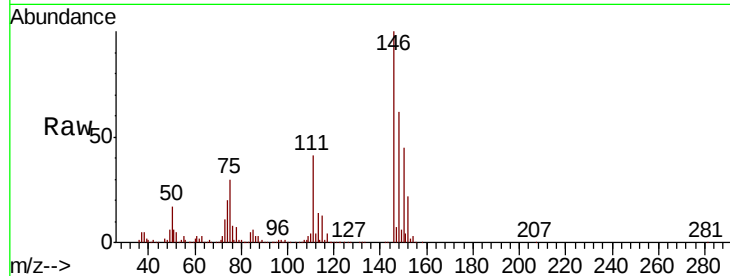




#65
 1,2-Dichlorobenzene
 Concen: 25.493 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016469.D
 Acq: 06 Sep 2020 08:17

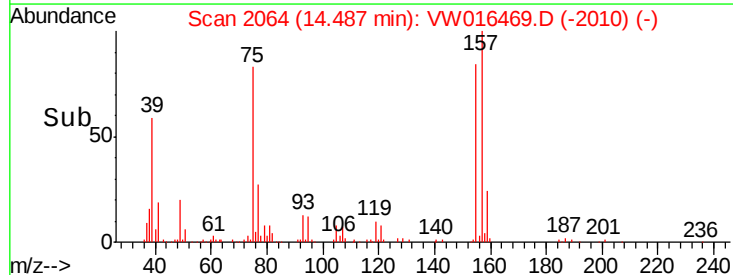
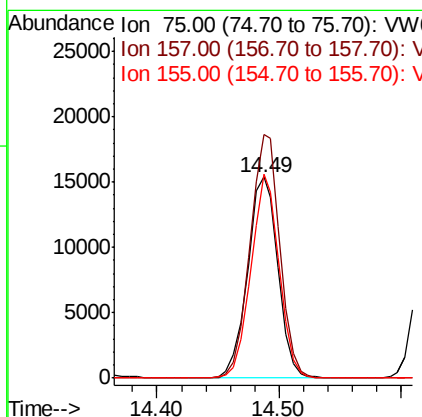
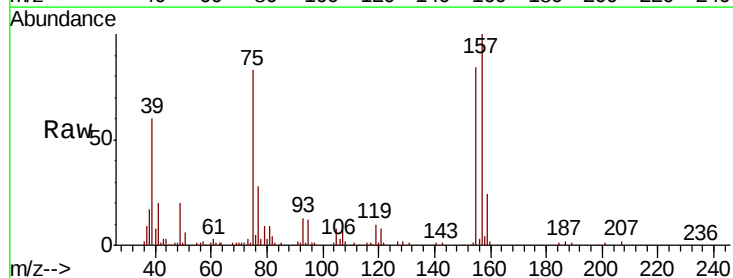
Instrument :
 MSVOA_W
 ClientSampleId :

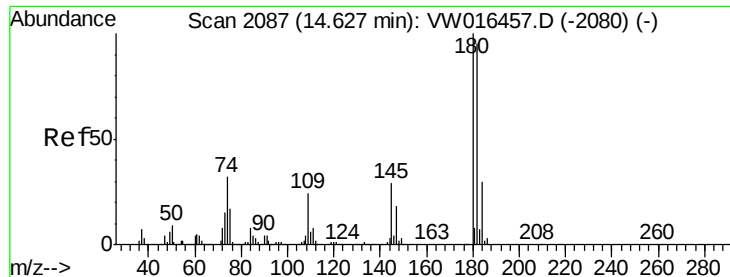
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	35.3	52.9
148	61.5	49.8	74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 18.613 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016469.D
 Acq: 06 Sep 2020 08:17

Tgt Ion	Ratio	Lower	Upper
75	100		
157	121.0	91.4	137.0
155	101.2	71.3	106.9

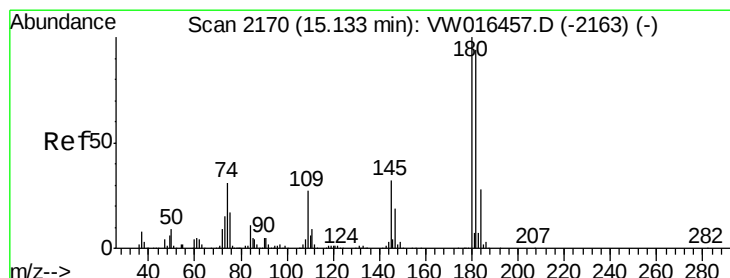
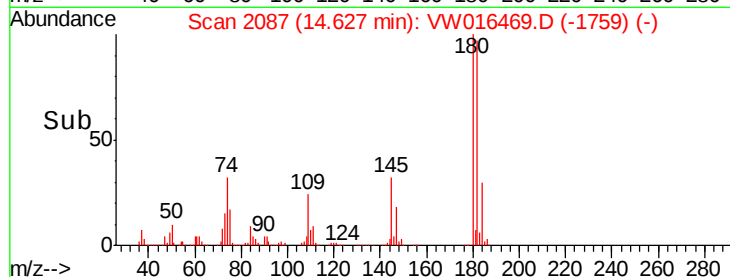
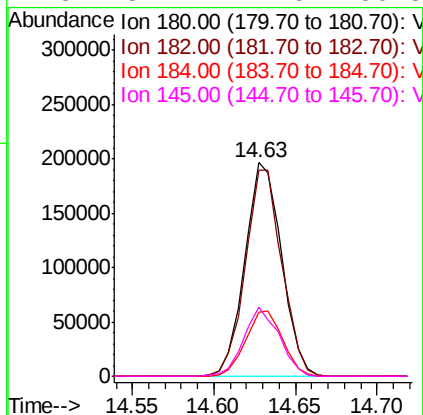
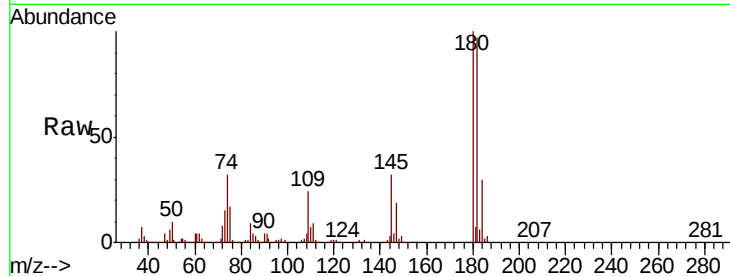




#67
 1,3,5-Trichlorobenzene
 Concen: 26.043 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016469.D
 Acq: 06 Sep 2020 08:17

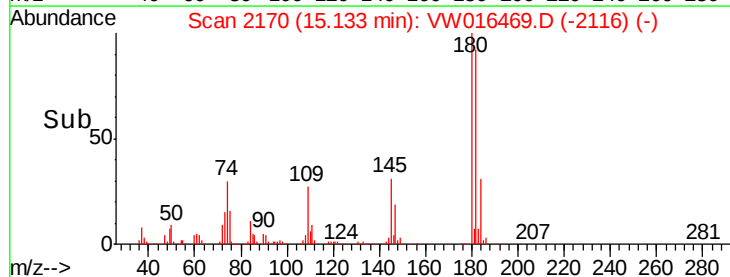
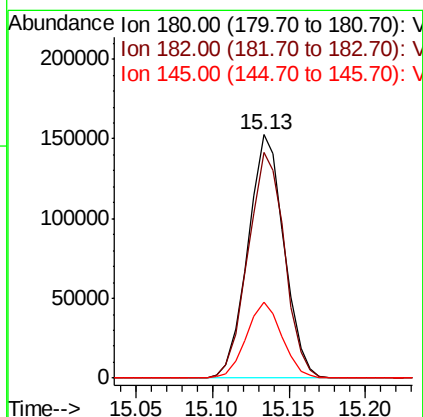
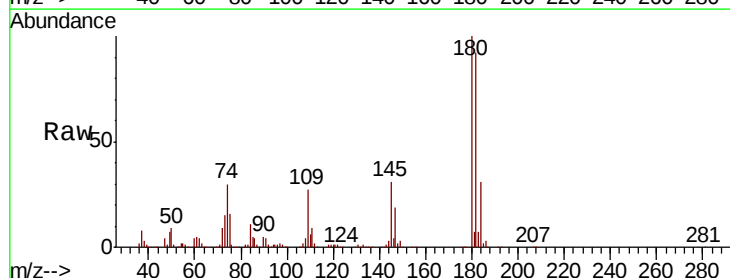
Instrument :
 MSVOA_W
 ClientSampleId :

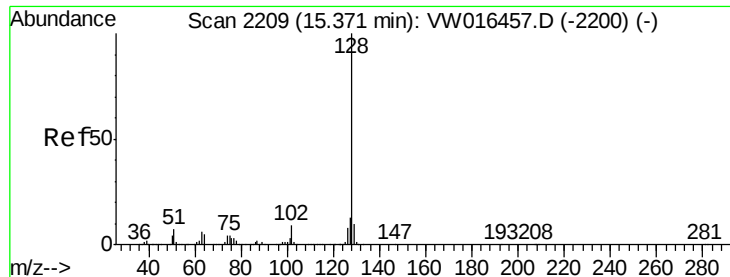
Tot Ion:180	Resp:	308854
Ion	Ratio	Lower Upper
180	100	
182	96.2	75.8 113.8
184	30.9	24.2 36.2
145	31.1	24.6 36.8



#68
 1,2,4-trichlorobenzene
 Concen: 24.496 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016469.D
 Acq: 06 Sep 2020 08:17

Tgt Ion:180	Resp:	251273
Ion	Ratio	Lower Upper
180	100	
182	93.7	78.5 117.7
145	30.8	25.6 38.4





#69

Naphthalene

Concen: 22.007 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

Instrument :

MSVOA_W

ClientSampleId :

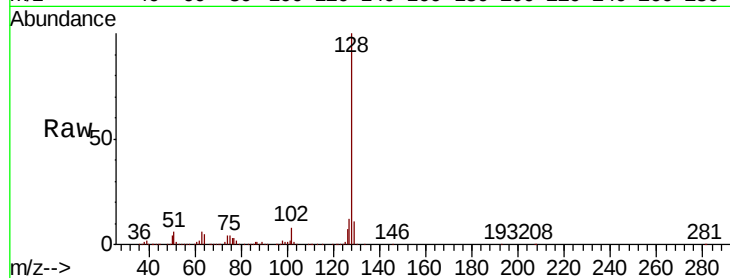
Tot Ion:128 Resp: 476419

Ion Ratio Lower Upper

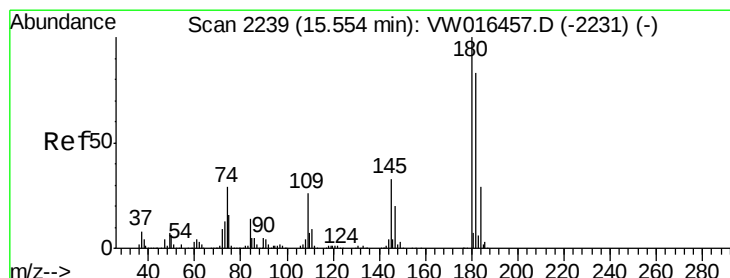
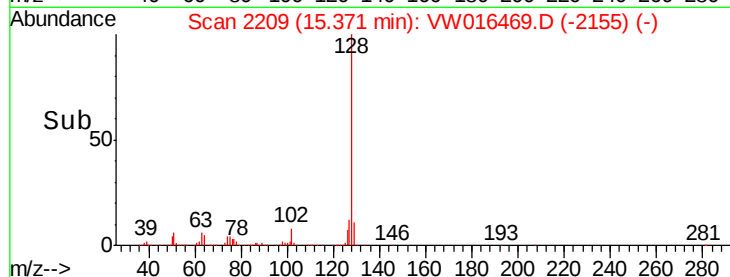
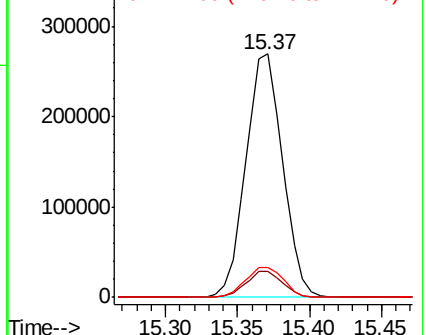
128 100

129 10.8 8.7 13.1

127 12.9 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: 22.606 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016469.D

Acq: 06 Sep 2020 08:17

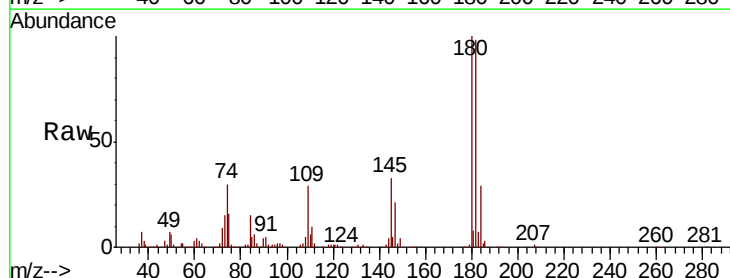
Tgt Ion:180 Resp: 199092

Ion Ratio Lower Upper

180 100

182 99.0 76.1 114.1

145 35.4 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

