

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090820\
 Data File : VW016492.D
 Acq On : 08 Sep 2020 13:36
 Operator : SY/VA
 Sample : VSTDCCC02EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 09 01:48:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 09 01:41:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	603215	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	524072	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	255879	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	137250	21.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.80%
7) Chloroethane-d5	2.90	69	148949	25.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.68%
10) 1,1-Dichloroethene-d2	4.03	63	324024	22.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.08%
20) 2-Butanone-d5	7.09	46	86282	37.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.50%
24) Chloroform-d	7.65	84	340681	24.11	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.44%
26) 1,2-Dichloroethane-d4	8.31	65	173415	22.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.80%
29) Benzene-d6	8.27	84	638382	23.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.84%
33) 1,2-Dichloropropane-d6	9.27	67	186990	23.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.56%
37) Toluene-d8	10.32	98	623940	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.56%
38) trans-1,3-Dichloropropene-	10.58	79	91570	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.76%
39) 2-Hexanone-d5	10.93	63	71019	44.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	158570	23.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	213622	24.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	176316	26.126	ug/L 99
3) Chloromethane	2.22	50	136999	23.122	ug/L 100
5) Vinyl chloride	2.37	62	203681	26.989	ug/L 97
6) Bromomethane	2.79	94	168493	29.872	ug/L 98
8) Chloroethane	2.93	64	140469	30.256	ug/L 99
9) Trichlorofluoromethane	3.27	101	157515	25.486	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	192670	26.357	ug/L 99
12) 1,1-Dichloroethene	4.05	96	193971	26.096	ug/L 92
13) Acetone	4.15	43	59091	40.281	ug/L 95
14) Carbon disulfide	4.39	76	576437	25.376	ug/L 99
15) Methyl Acetate	4.68	43	74007	20.801	ug/L 94
16) Methylene chloride	4.92	84	194063	20.614	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	275391	24.697	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	203660	25.794	ug/L 93
19) 1,1-Dichloroethane	6.22	63	334833	24.917	ug/L 98
21) 2-Butanone	7.18	43	99075	40.239	ug/L 95
22) cis-1,2-Dichloroethene	7.18	96	213578	25.965	ug/L 95

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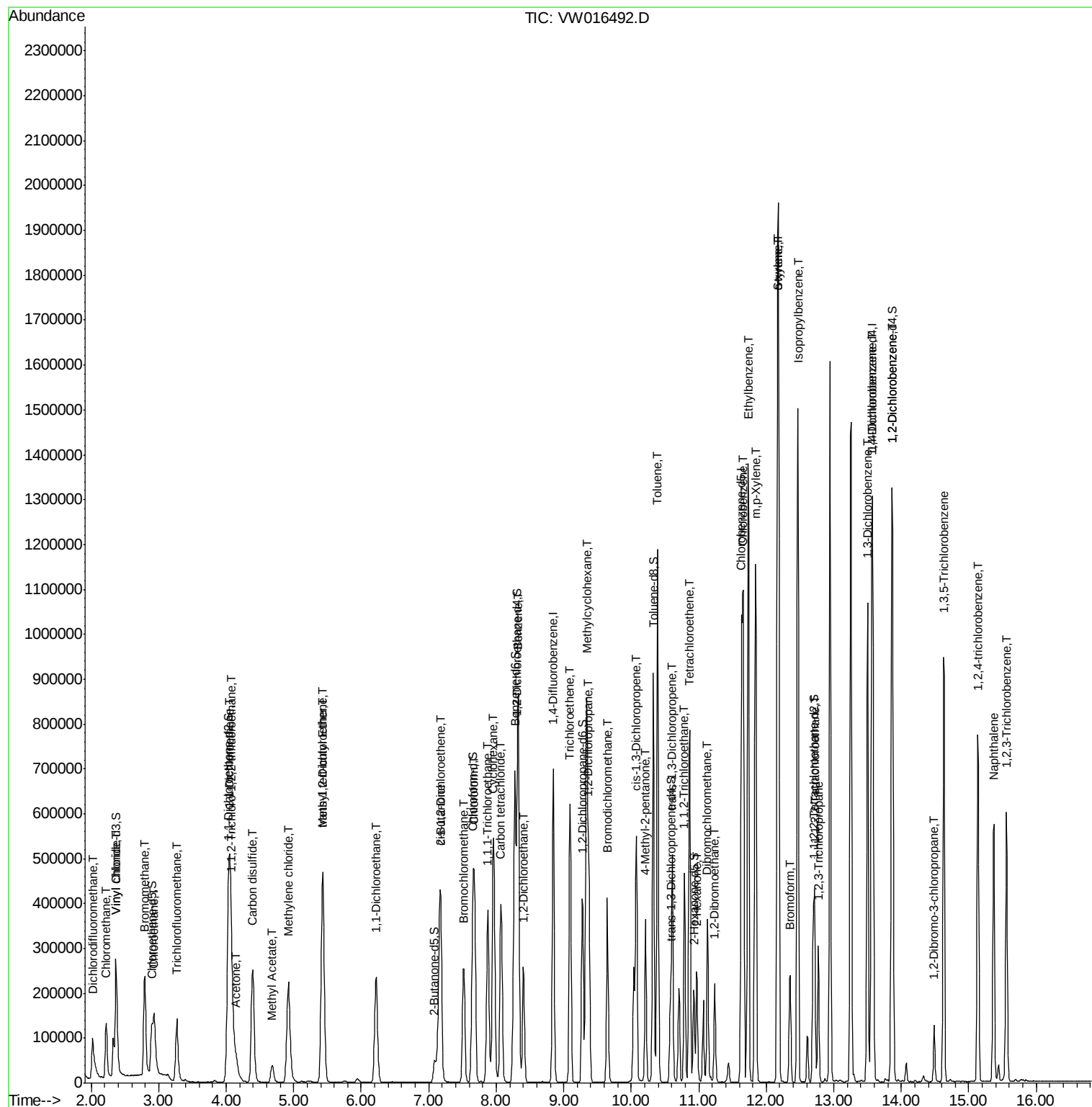
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	97823	25.657	ug/L	88
25) Chloroform	7.68	83	358629	25.784	ug/L	100
27) 1,2-Dichloroethane	8.40	62	225807	24.381	ug/L	97
30) Cyclohexane	7.96	56	312969	25.000	ug/L	95
31) 1,1,1-Trichloroethane	7.88	97	316542	27.894	ug/L	98
32) Carbon tetrachloride	8.07	117	302625	27.881	ug/L	98
34) Benzene	8.32	78	768108	26.807	ug/L	100
35) Trichloroethene	9.09	95	212289	26.738	ug/L	98
36) Methylcyclohexane	9.34	83	367317	26.442	ug/L	96
40) 1,2-Dichloropropane	9.37	63	180256	25.443	ug/L	99
41) Bromodichloromethane	9.65	83	264686	26.723	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	308166	25.632	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	221967	44.246	ug/L	97
44) Toluene	10.39	91	874345	27.269	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	269792	25.105	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	147078	26.194	ug/L	98
47) Tetrachloroethene	10.87	164	172591	27.112	ug/L	98
49) 2-Hexanone	10.97	43	149743	42.861	ug/L	96
50) Dibromochloromethane	11.13	129	187554	26.416	ug/L	100
51) 1,2-Dibromoethane	11.24	107	147154	26.226	ug/L	99
52) Chlorobenzene	11.66	112	561321	27.598	ug/L	96
53) Ethylbenzene	11.73	91	975127	27.000	ug/L	97
54) m,p-Xylene	11.84	106	381578	27.644	ug/L	96
55) o-xylene	12.17	106	359415	27.336	ug/L	99
56) Styrene	12.18	104	605528	26.804	ug/L	96
57) Isopropylbenzene	12.47	105	1010200	28.047	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	170879	25.529	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	124300	24.846	ug/L	99
62) Bromoform	12.35	173	107848	25.118	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	429630	26.669	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	418457	26.197	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	380918	26.602	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	30298	22.723	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	278289	25.063	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	241623	25.159	ug/L	96
69) Naphthalene	15.37	128	499700	24.653	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	203648	24.697	ug/L	99

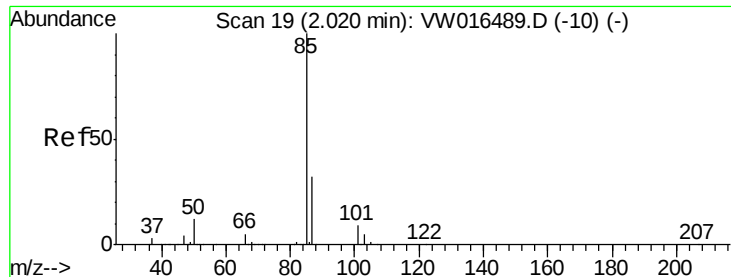
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.126 ug/L

RT: 2.02 min Scan# 19

Delta R.T. -0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Instrument :

MSVOA_W

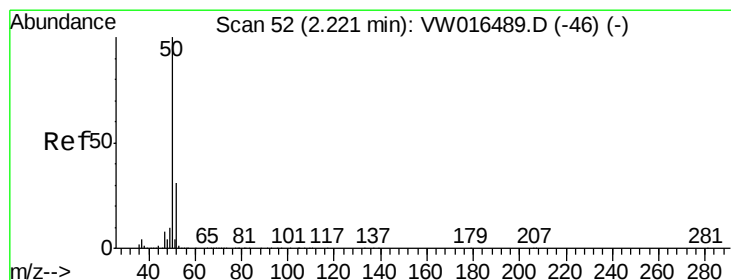
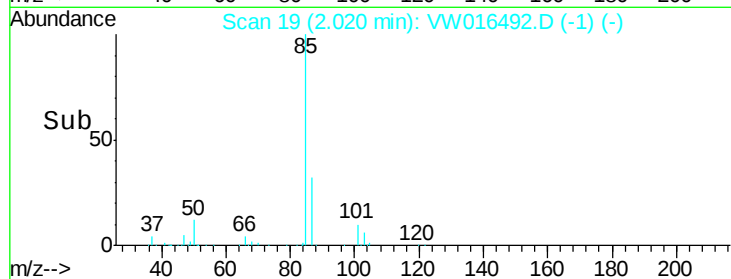
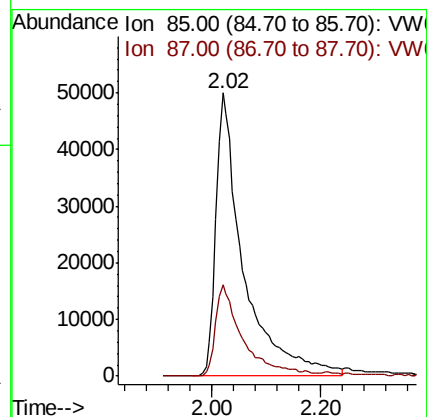
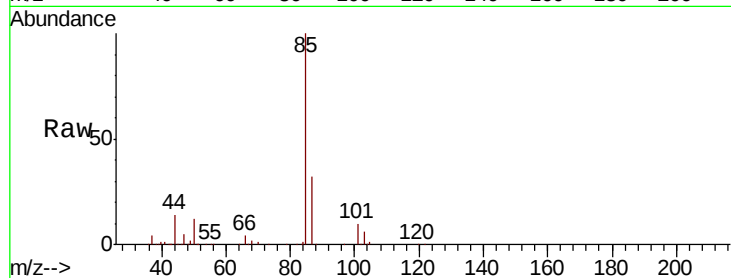
ClientSampled :

Tot Ion: 85 Resp: 176316

Ion Ratio Lower Upper

85 100

87 31.4 22.3 41.5



#3

Chloromethane

Concen: 23.122 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW016492.D

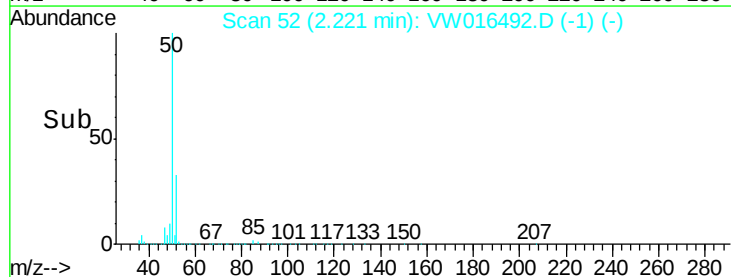
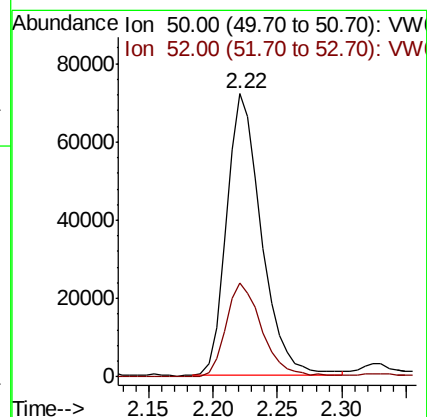
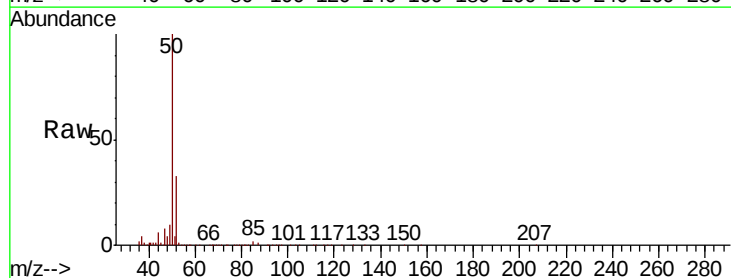
Acq: 08 Sep 2020 13:36

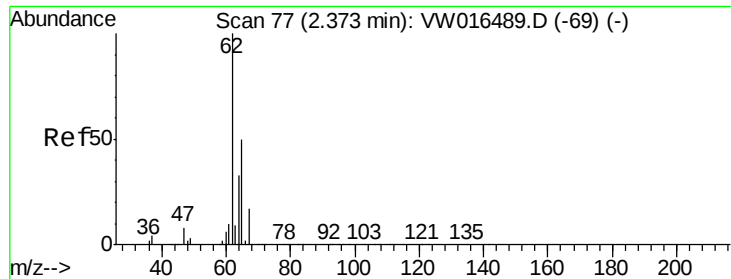
Tgt Ion: 50 Resp: 136999

Ion Ratio Lower Upper

50 100

52 33.0 23.0 42.6





#5

Vinyl chloride

Concen: 26.989 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Instrument :

MSVOA_W

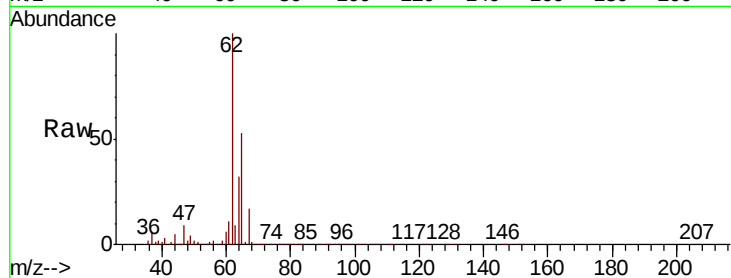
ClientSampled :

Tot Ion: 62 Resp: 203681

Ion Ratio Lower Upper

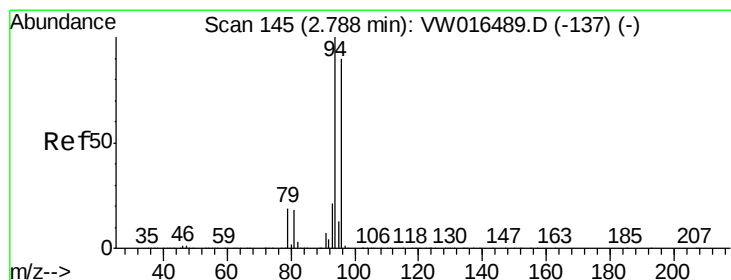
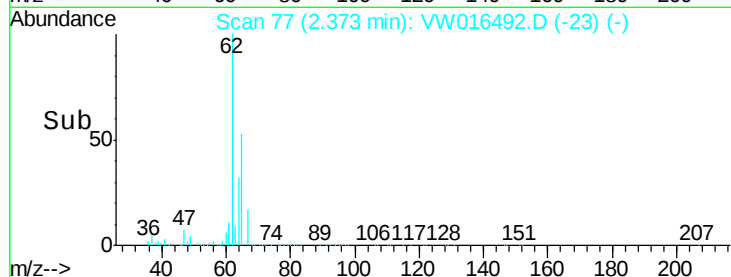
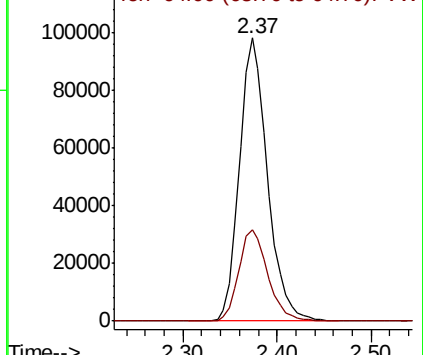
62 100

64 32.5 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 29.872 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.01 min

Lab File: VW016492.D

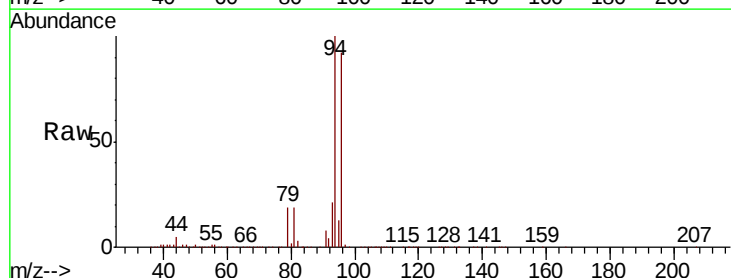
Acq: 08 Sep 2020 13:36

Tgt Ion: 94 Resp: 168493

Ion Ratio Lower Upper

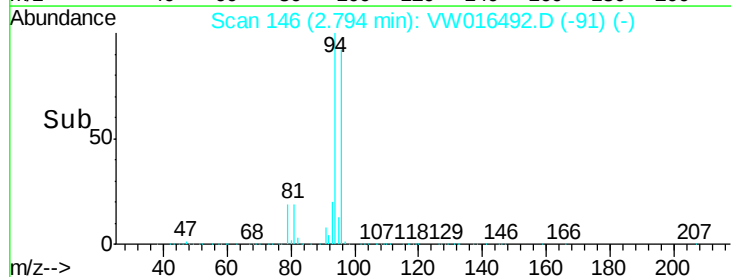
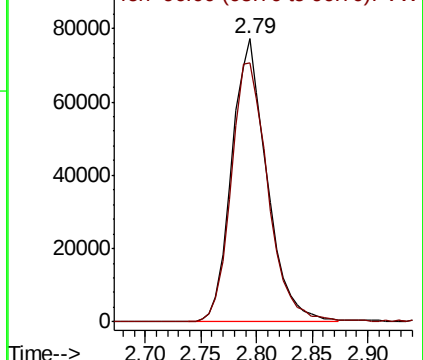
94 100

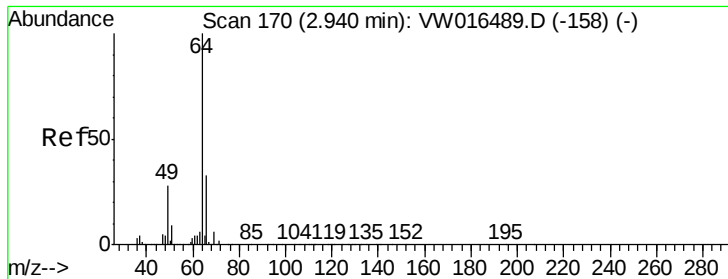
96 95.6 9.4 178.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 30.256 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.01 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Instrument :

MSVOA_W

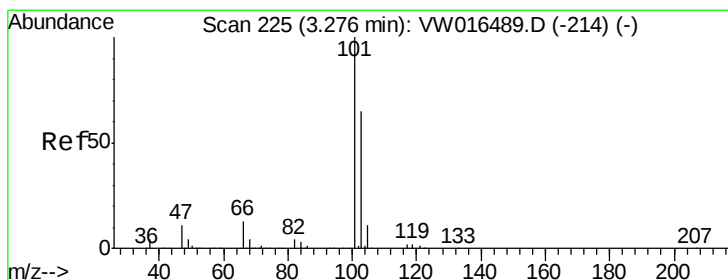
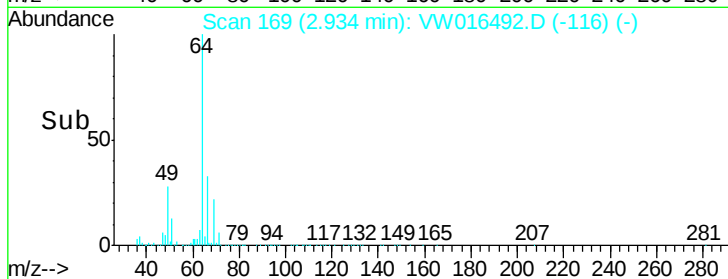
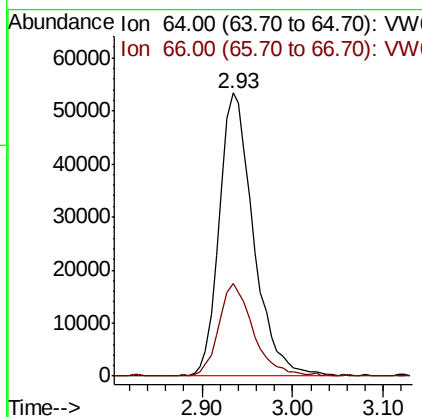
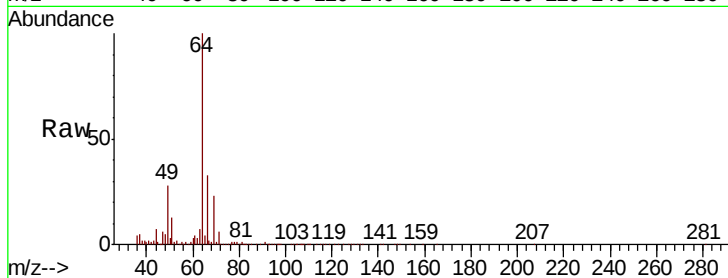
ClientSampled :

Tot Ion: 64 Resp: 140469

Ion Ratio Lower Upper

64 100

66 32.8 22.4 41.6



#9

Trichlorofluoromethane

Concen: 25.486 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.01 min

Lab File: VW016492.D

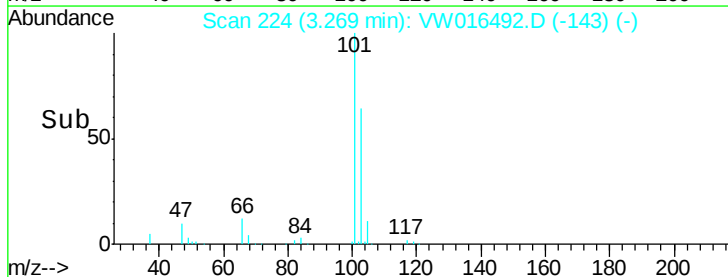
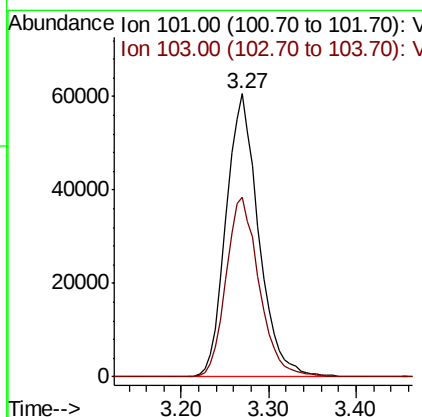
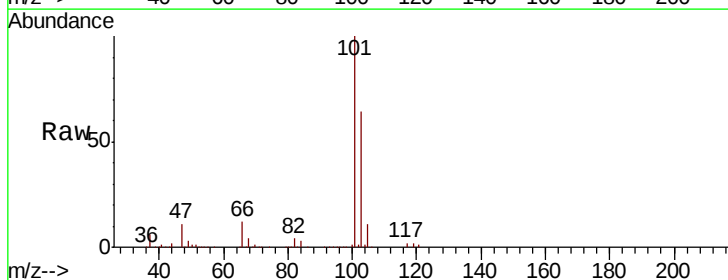
Acq: 08 Sep 2020 13:36

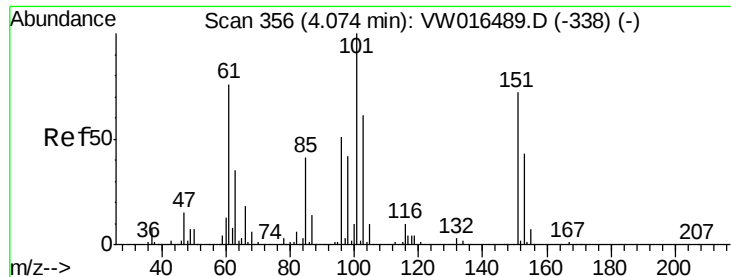
Tgt Ion: 101 Resp: 157515

Ion Ratio Lower Upper

101 100

103 64.4 45.1 83.7





#11

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

Concen: 26.357 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.01 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Instrument :

MSVOA_W

ClientSampleId :

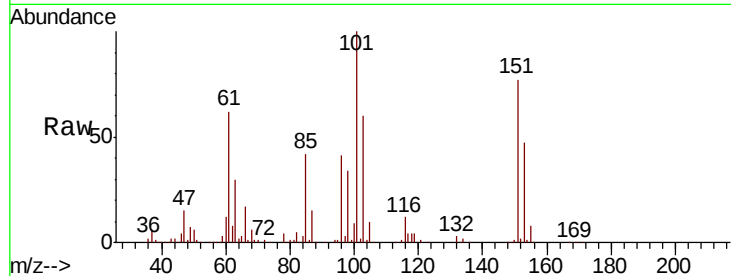
Tot Ion:101 Resp: 192670

Ion Ratio Lower Upper

101 100

85 43.3 33.4 50.0

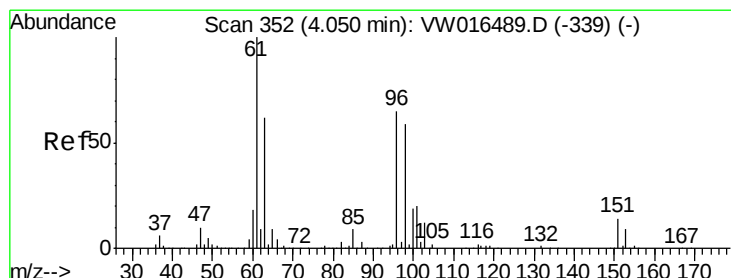
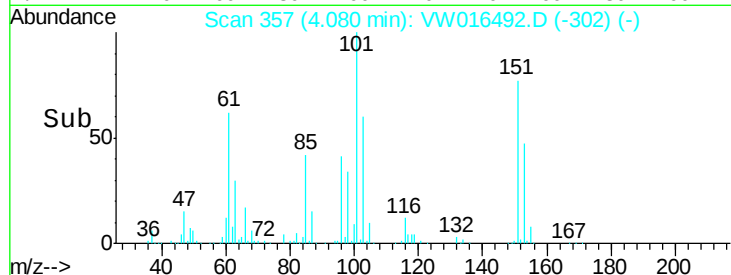
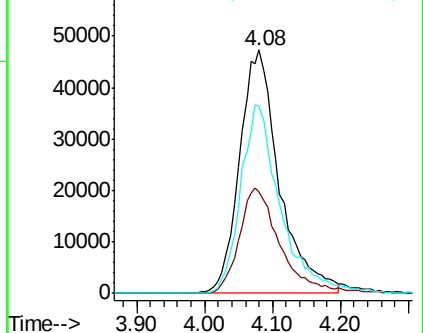
151 77.7 61.6 92.4



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: 26.096 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

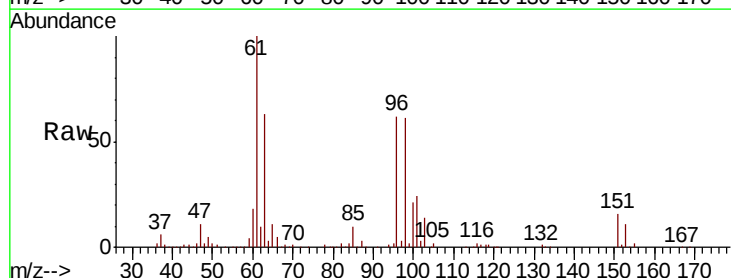
Tgt Ion: 96 Resp: 193971

Ion Ratio Lower Upper

96 100

61 160.4 116.5 216.3

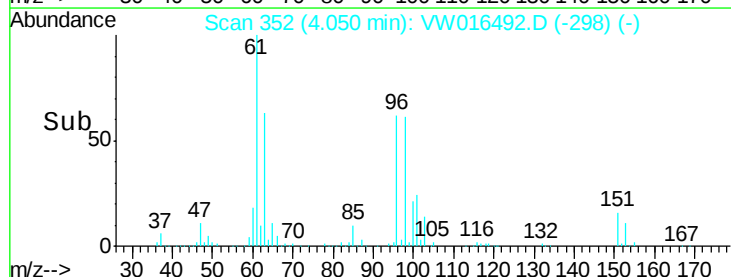
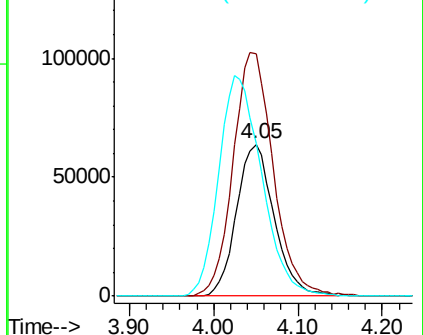
63 101.0 81.1 150.5

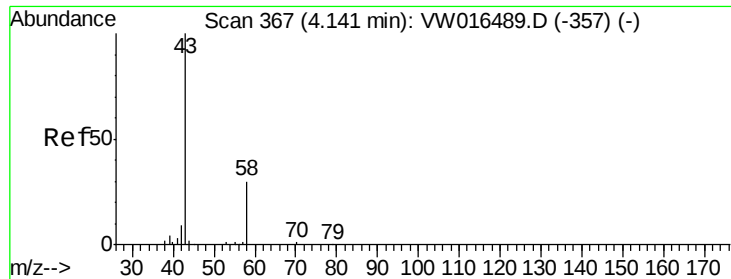


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.281 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Instrument :

MSVOA_W

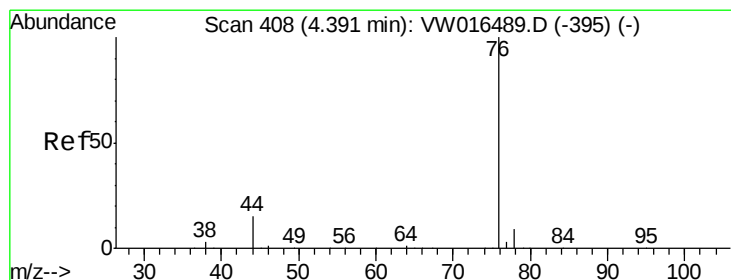
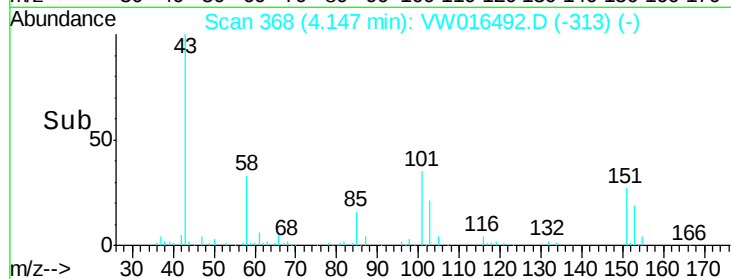
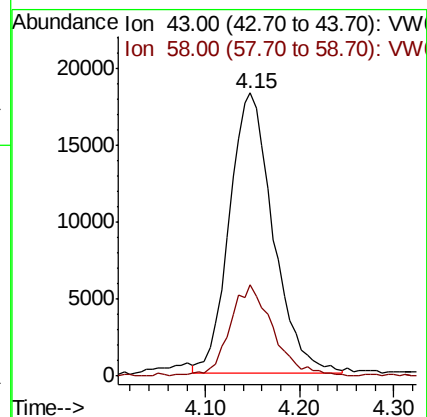
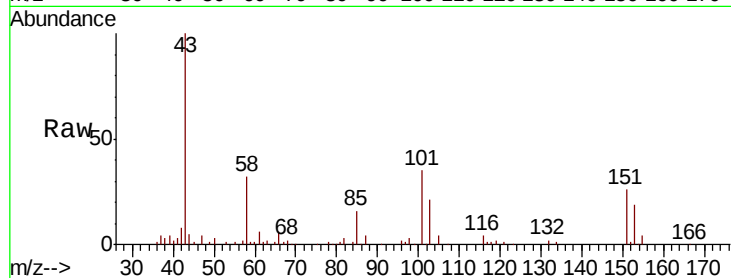
ClientSampleId :

Tot Ion: 43 Resp: 59091

Ion Ratio Lower Upper

43 100

58 28.7 0.0 63.0



#14

Carbon disulfide

Concen: 25.376 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016492.D

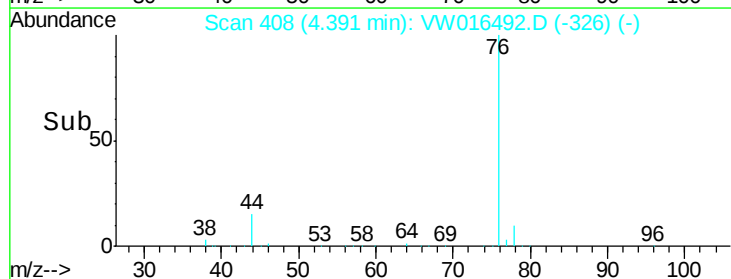
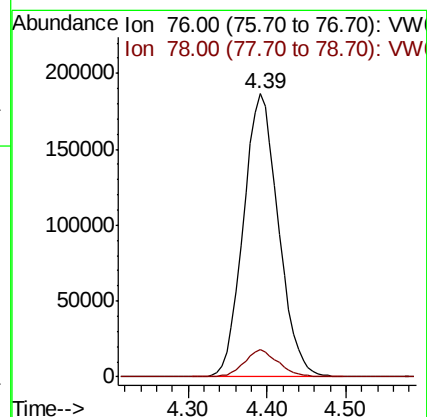
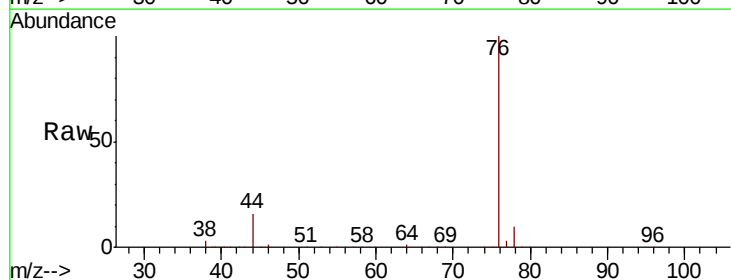
Acq: 08 Sep 2020 13:36

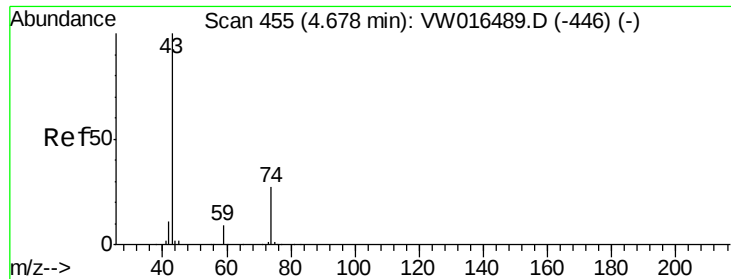
Tgt Ion: 76 Resp: 576437

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9





#15

Methvl Acetate

Concen: 20.801 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

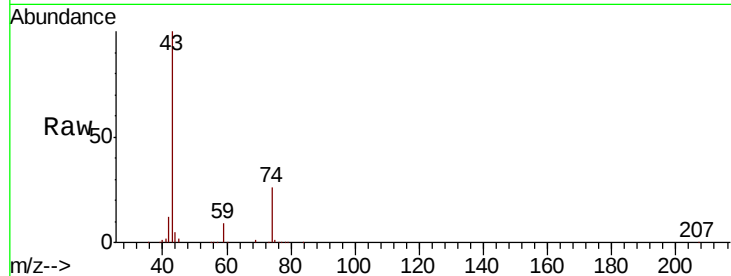
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 74007

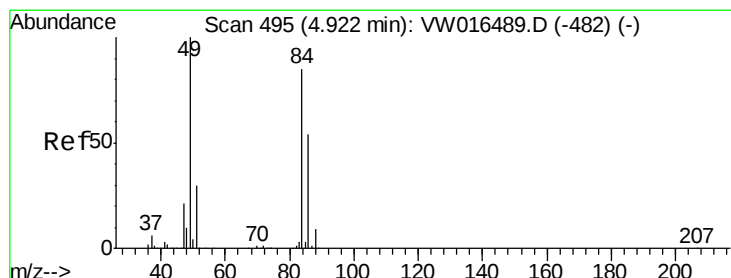
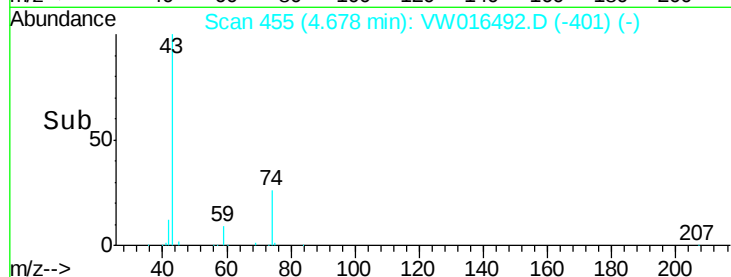
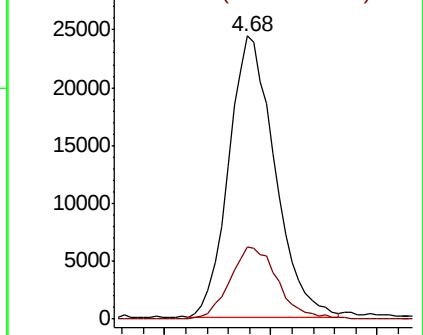
Ion Ratio Lower Upper

43 100

74 26.5 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 20.614 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

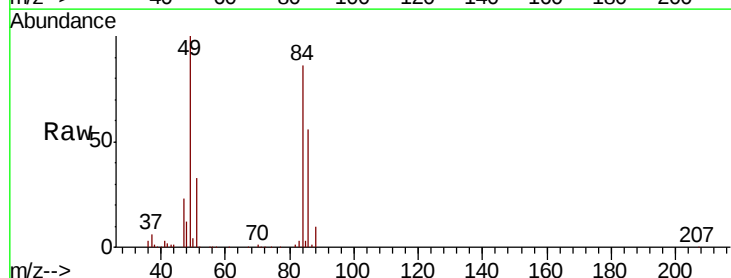
Tgt Ion: 84 Resp: 194063

Ion Ratio Lower Upper

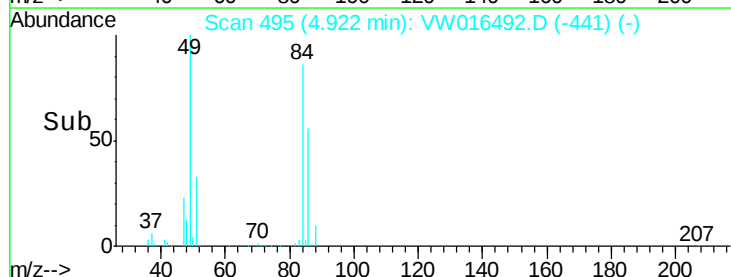
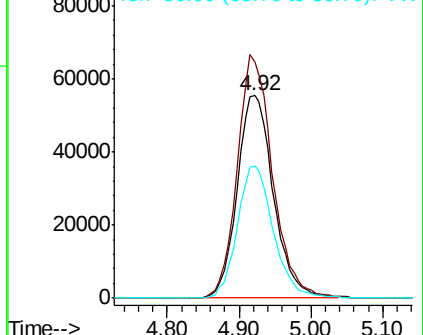
84 100

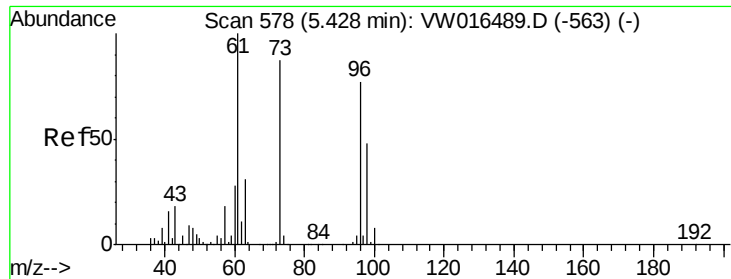
49 116.9 86.7 160.9

86 65.7 44.9 83.5



Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

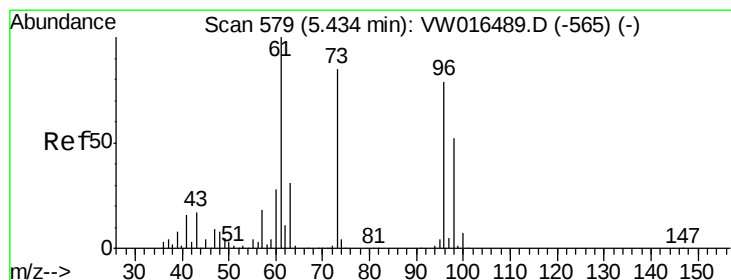
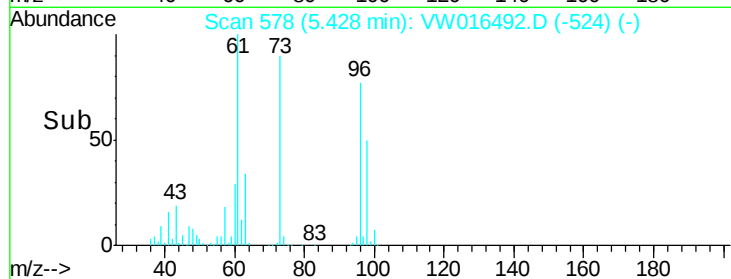
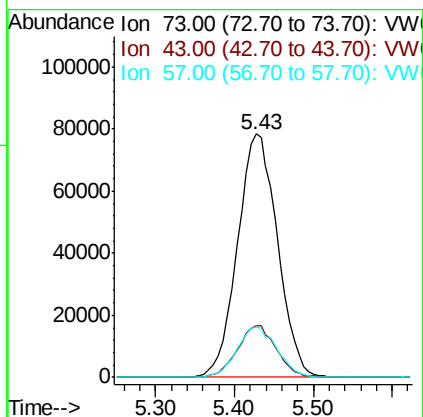
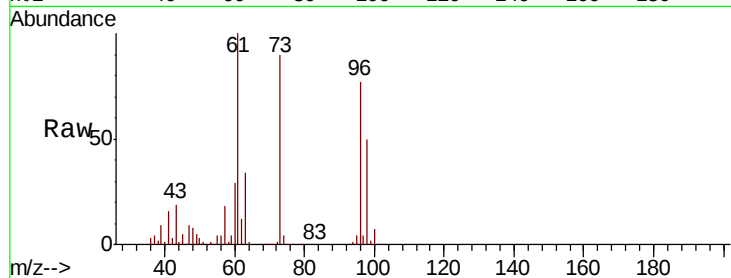




#17
Methvl tert-butvl Ether
Concen: 24.697 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016492.D
Acq: 08 Sep 2020 13:36

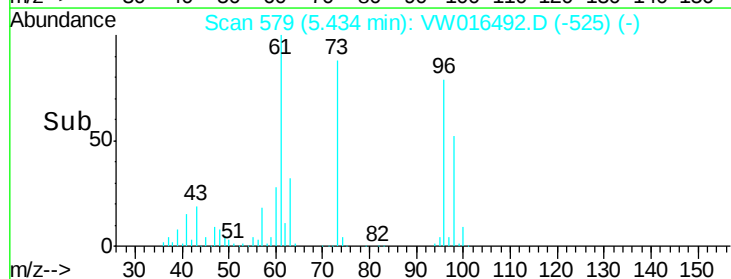
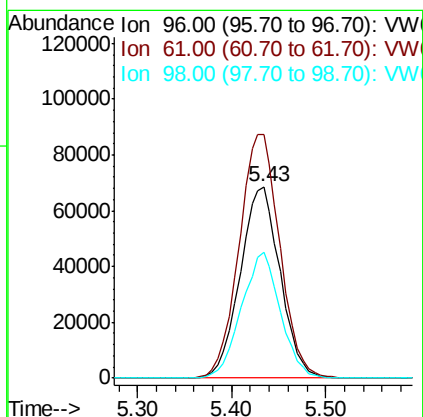
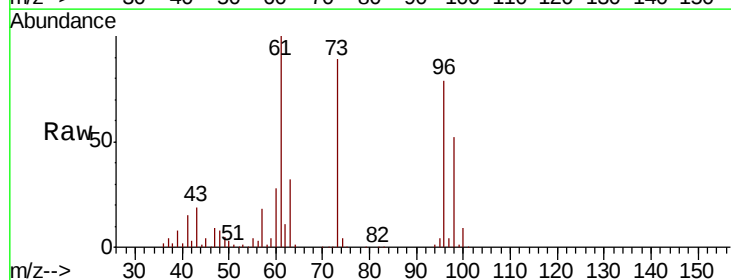
Instrument :
MSVOA_W
ClientSampleId :

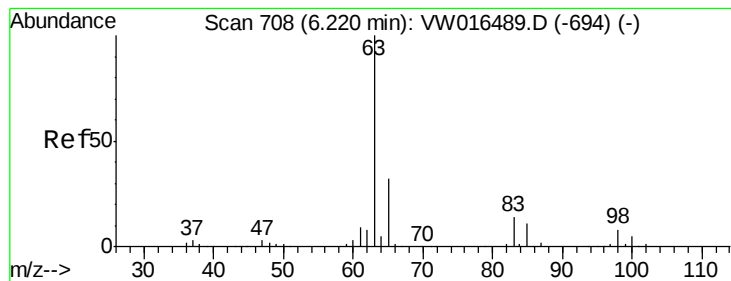
Tot Ion	Ratio	Lower	Upper
73	100		
43	20.3	17.9	26.9
57	20.7	17.4	26.0



#18
trans-1,2-Dichloroethene
Concen: 25.794 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW016492.D
Acq: 08 Sep 2020 13:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.8	96.4	179.0
98	65.5	45.1	83.7





#19

1,1-Dichloroethane

Concen: 24.917 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Instrument :

MSVOA_W

ClientSampleId :

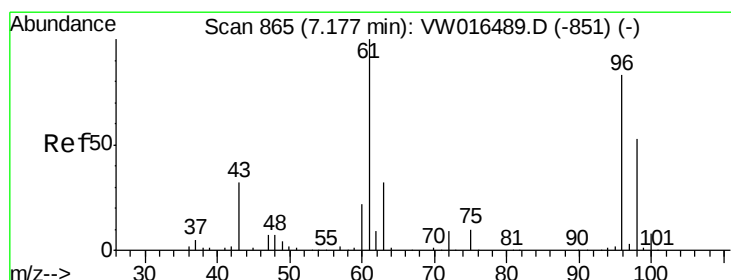
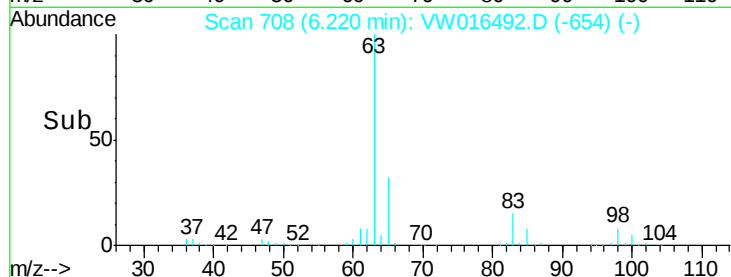
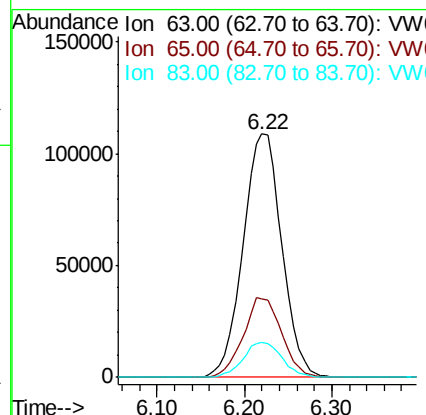
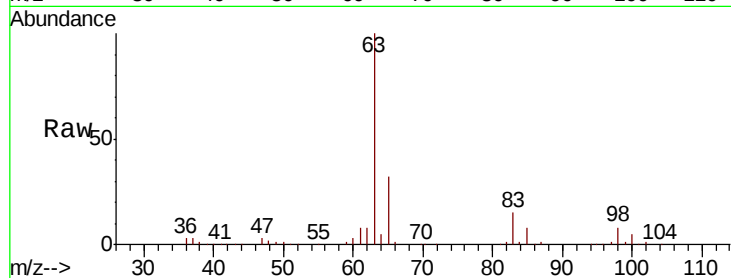
Tot Ion: 63 Resp: 334833

Ion Ratio Lower Upper

63 100

65 32.1 23.3 43.3

83 14.5 10.3 19.1



#21

2-Butanone

Concen: 40.239 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016492.D

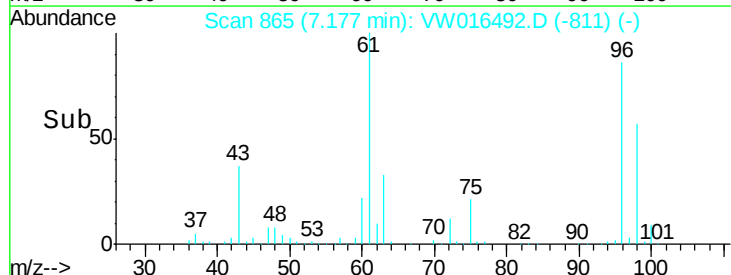
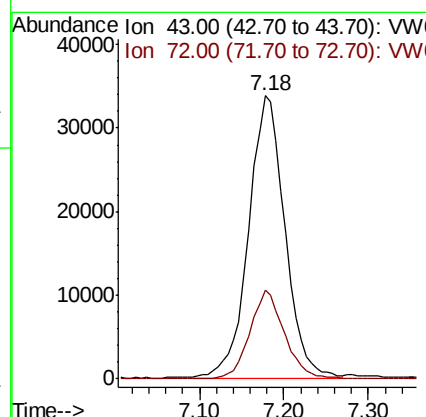
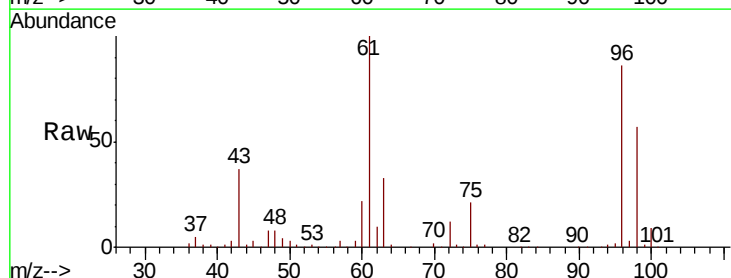
Acq: 08 Sep 2020 13:36

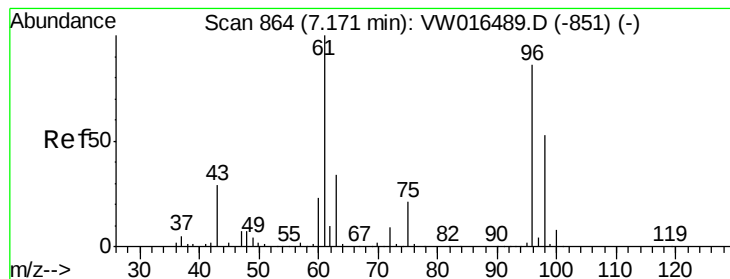
Tgt Ion: 43 Resp: 99075

Ion Ratio Lower Upper

43 100

72 29.7 13.5 40.4



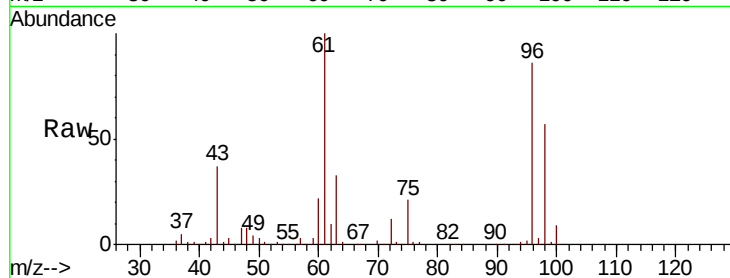


#22

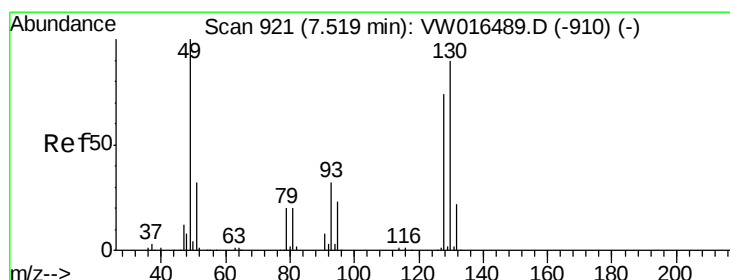
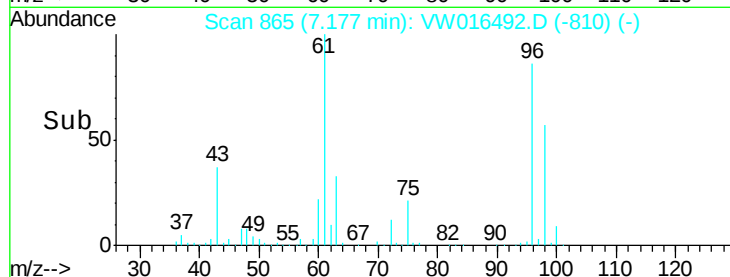
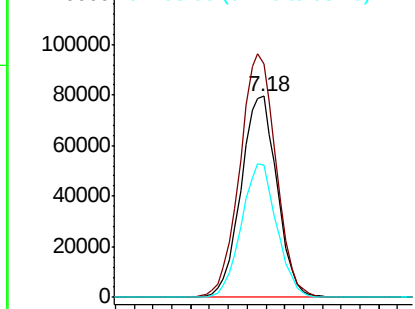
cis-1,2-Dichloroethene
 Concen: 25.965 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 96 Resp: 213578
 Ion Ratio Lower Upper
 96 100
 61 116.1 86.1 159.9
 98 65.8 44.1 81.9



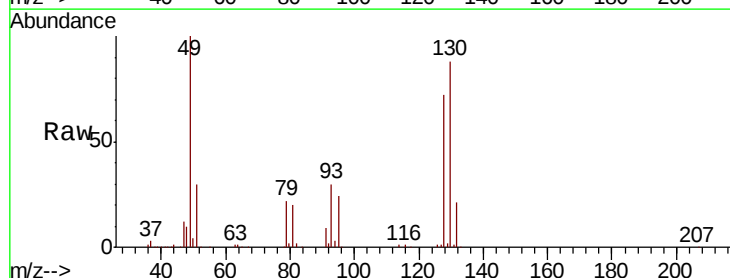
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



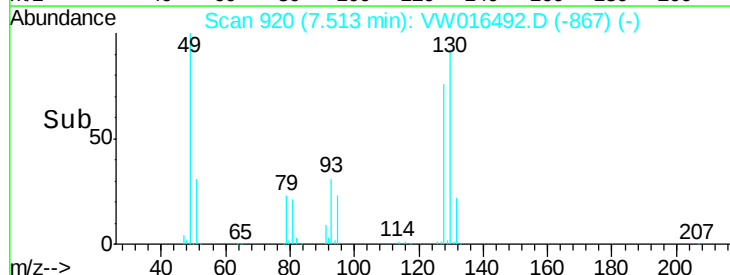
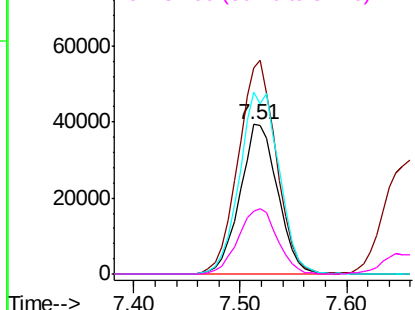
#23

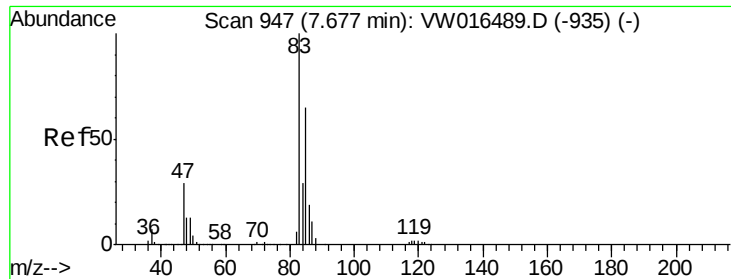
Bromochloromethane
 Concen: 25.657 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

Tgt Ion: 128 Resp: 97823
 Ion Ratio Lower Upper
 128 100
 49 138.1 111.6 207.4
 130 122.0 90.9 168.7
 51 41.8 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

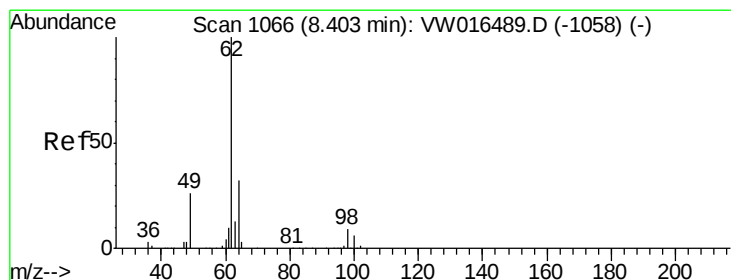
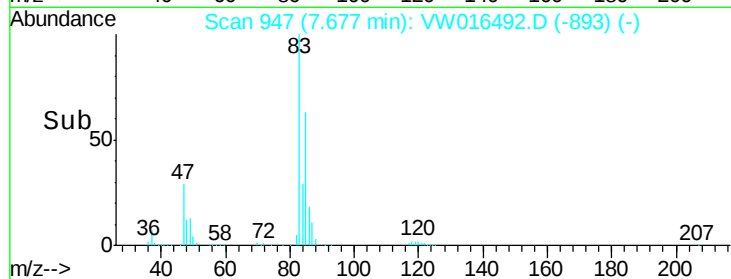
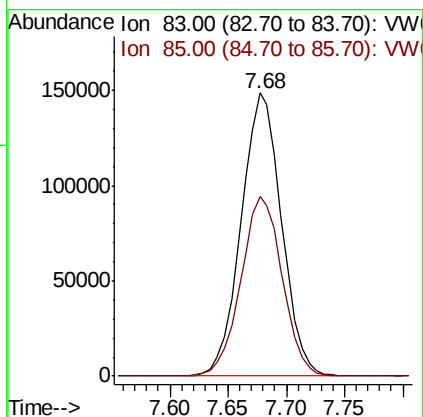
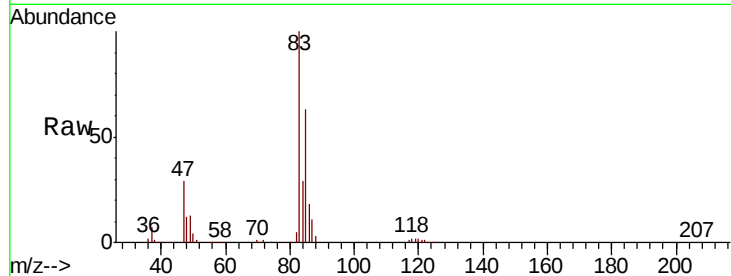




#25
Chloroform
Concen: 25.784 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016492.D
Acq: 08 Sep 2020 13:36

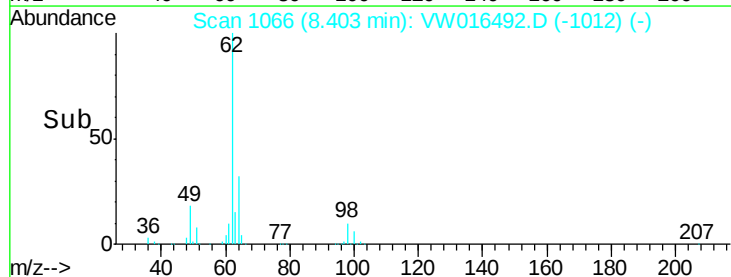
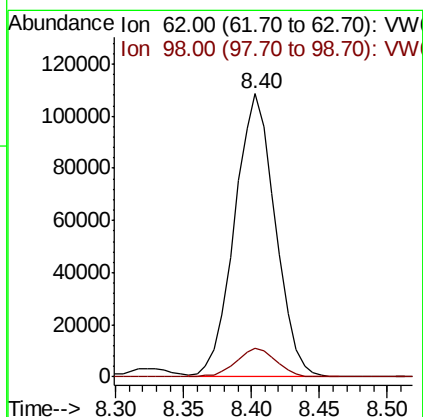
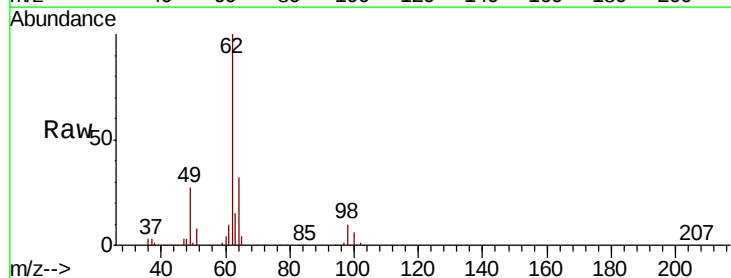
Instrument :
MSVOA_W
ClientSampleId :

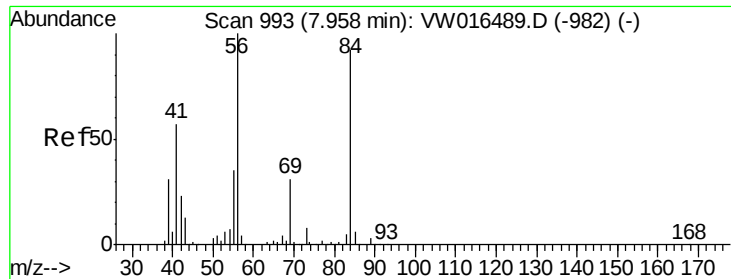
Tot Ion: 83 Resp: 358629
Ion Ratio Lower Upper
83 100
85 65.1 45.6 84.8



#27
1,2-Dichloroethane
Concen: 24.381 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016492.D
Acq: 08 Sep 2020 13:36

Tgt Ion: 62 Resp: 225807
Ion Ratio Lower Upper
62 100
98 10.3 7.3 10.9

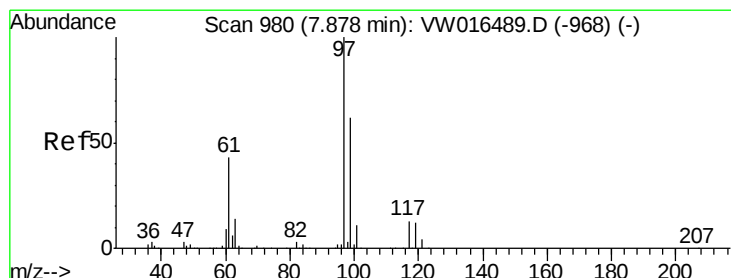
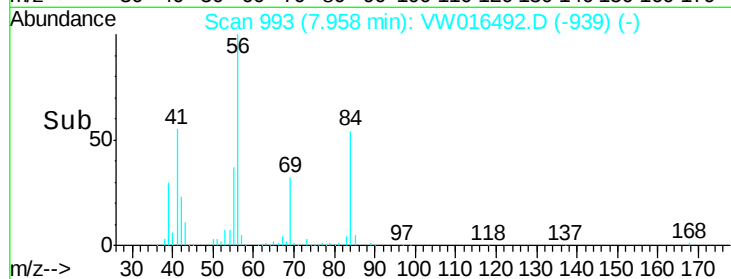
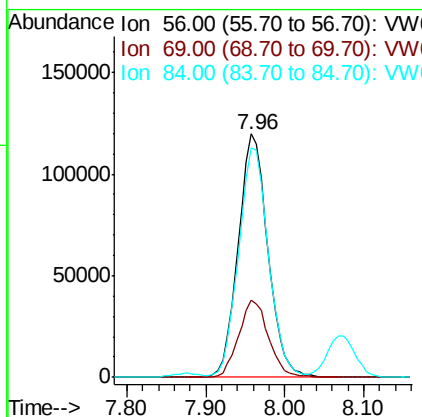
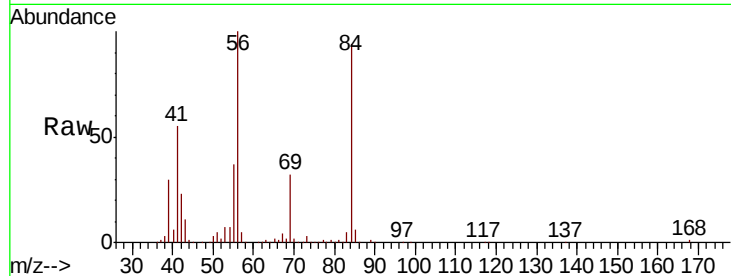




#30
Cyclohexane
Concen: 25.000 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016492.D
Acq: 08 Sep 2020 13:36

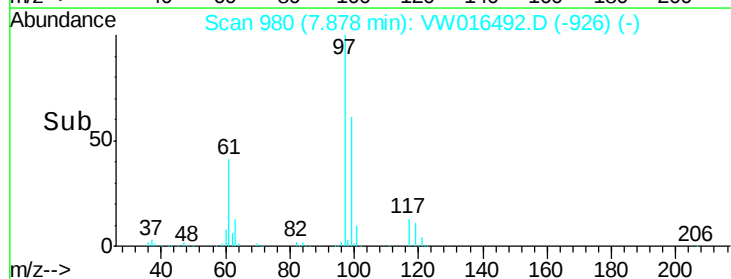
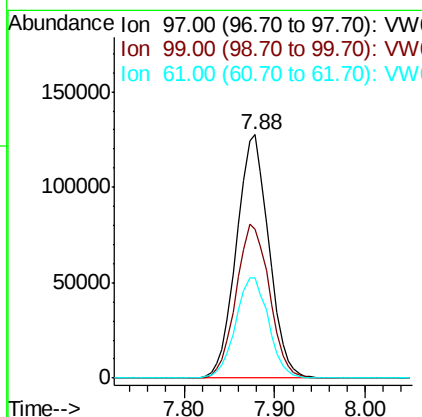
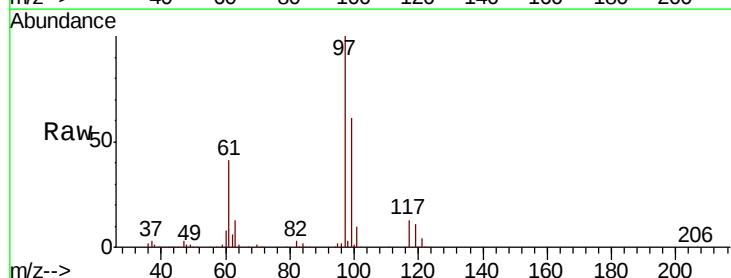
Instrument :
MSVOA_W
ClientSampled :

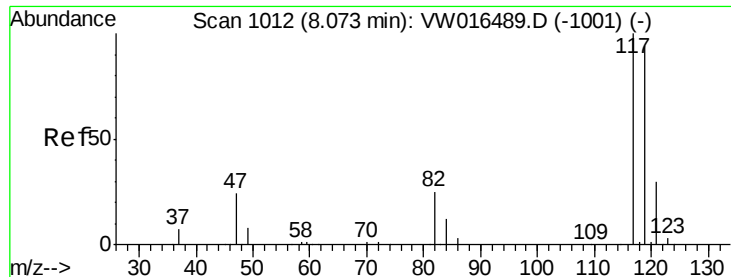
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.3	37.9
84	95.7	71.6	107.4



#31
1,1,1-Trichloroethane
Concen: 27.894 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW016492.D
Acq: 08 Sep 2020 13:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.2	78.2
61	42.1	36.3	54.5





#32

Carbon tetrachloride

Concen: 27.881 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Instrument :

MSVOA_W

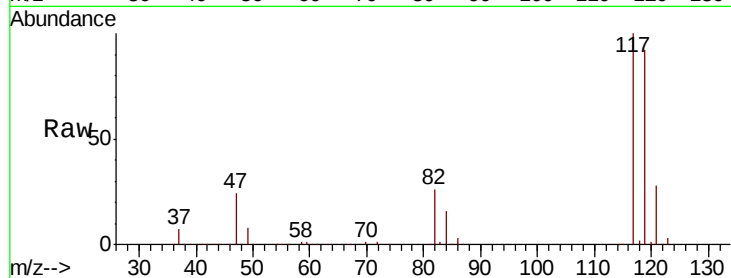
ClientSampled :

Tot Ion:117 Resp: 302625

Ion Ratio Lower Upper

117 100

119 95.3 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

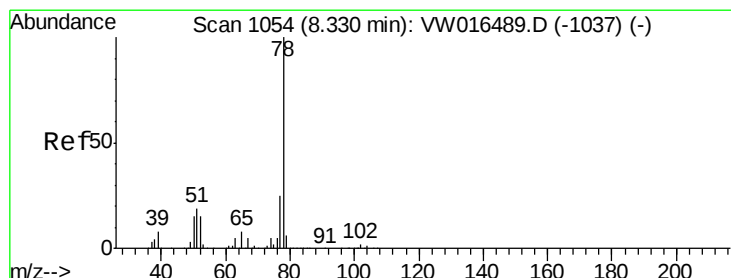
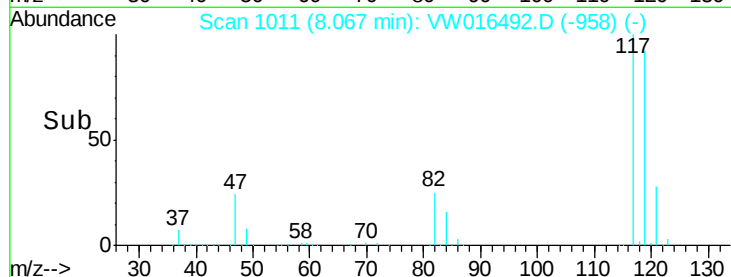
100000

50000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 26.807 ug/L

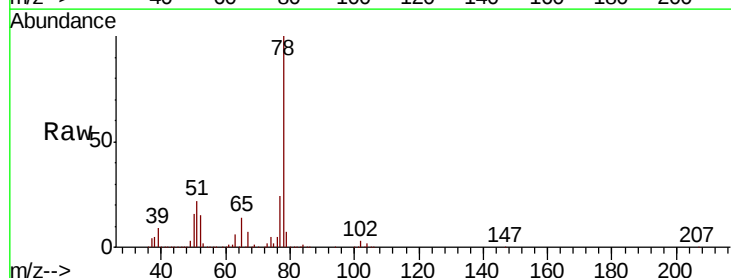
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Tgt Ion: 78 Resp: 768108



Abundance Ion 78.00 (77.70 to 78.70): VW

400000

300000

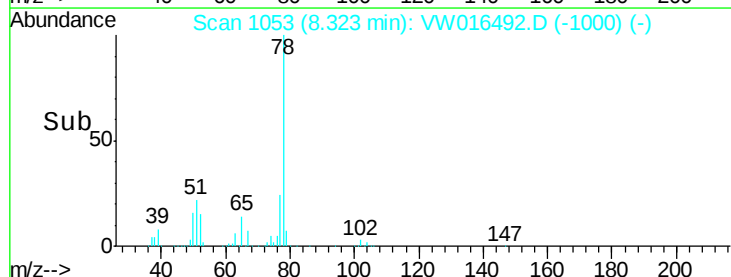
200000

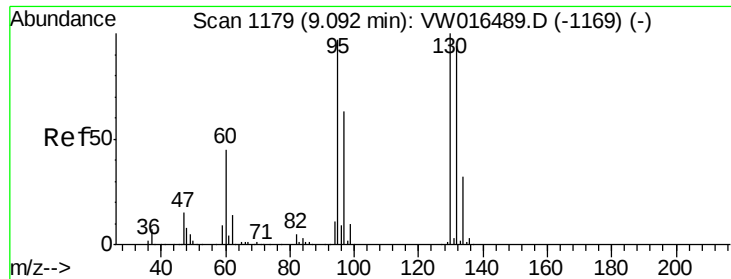
100000

0

Time-->

8.20 8.30 8.40 8.50

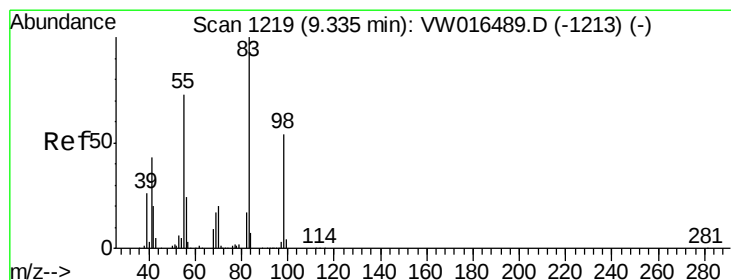
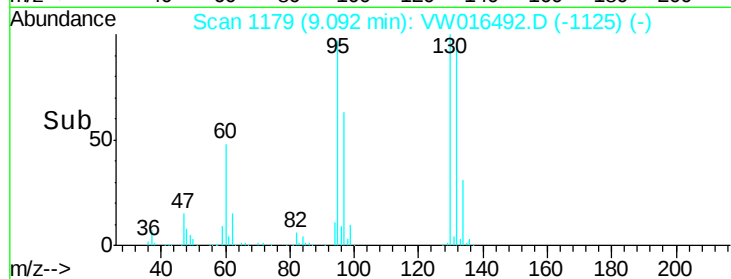
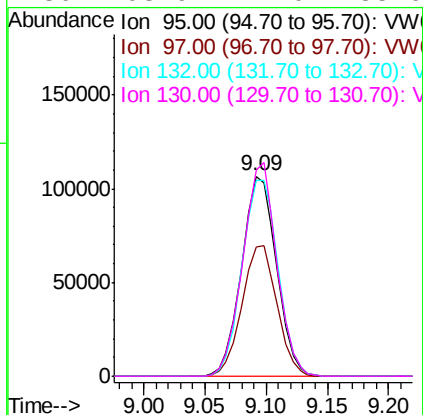
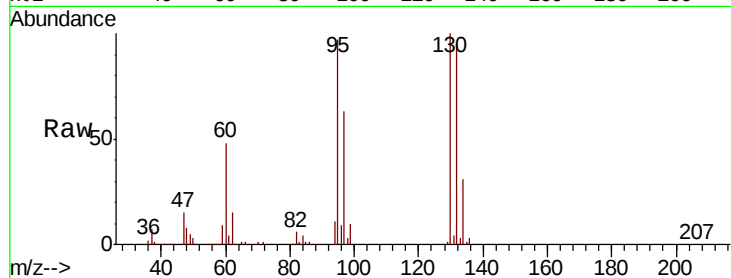




#35
 Trichloroethene
 Concen: 26.738 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

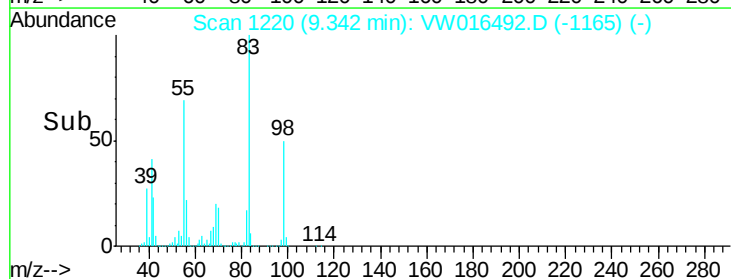
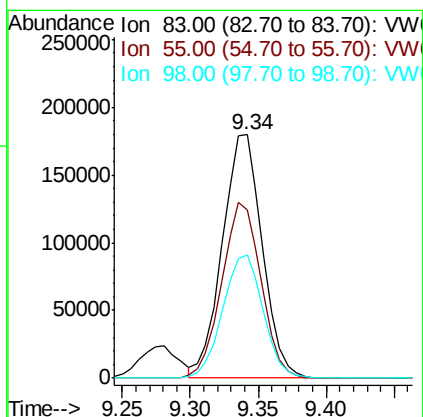
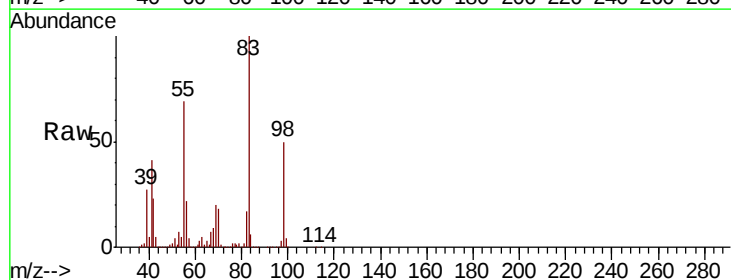
Instrument :
 MSVOA_W
 ClientSampleId :

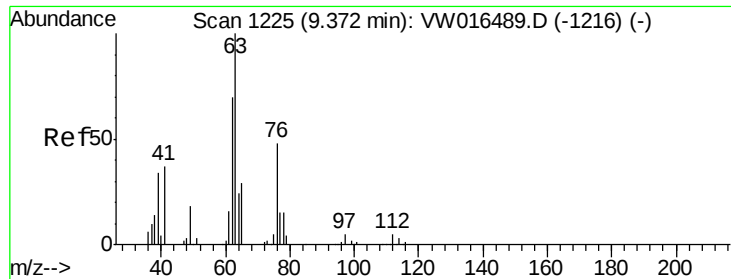
Tot Ion:	95	Resp:	212289
Ion	Ratio	Lower	Upper
95	100		
97	65.4	44.9	83.5
132	100.9	69.2	128.4
130	103.9	72.0	133.6



#36
 Methylcyclohexane
 Concen: 26.442 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

Tgt Ion:	83	Resp:	367317
Ion	Ratio	Lower	Upper
83	100		
55	71.0	60.9	91.3
98	51.1	40.0	60.0

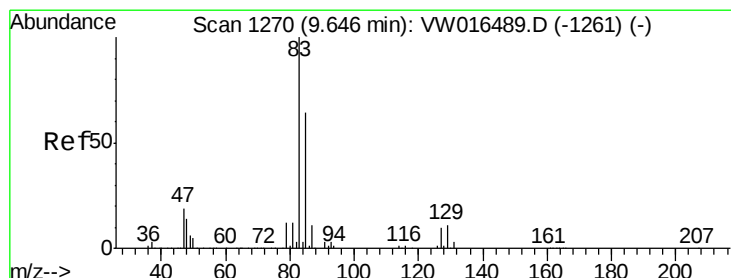
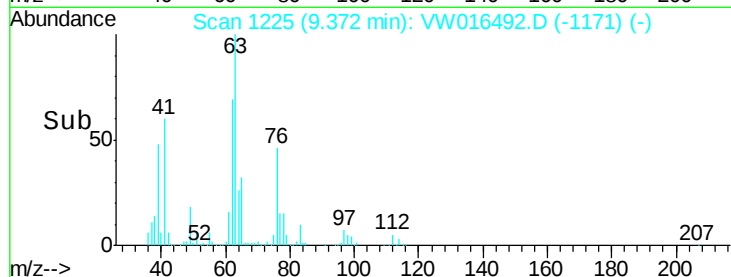
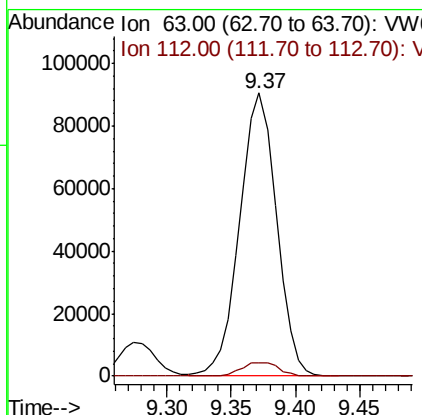
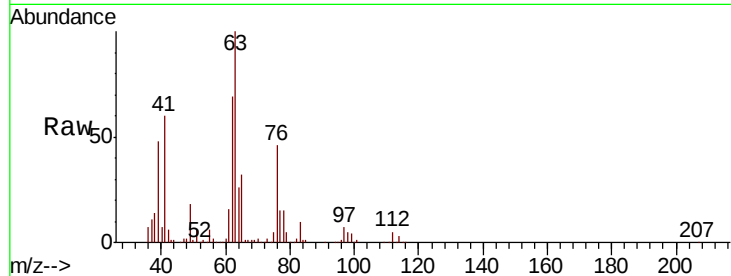




#40
 1,2-Dichloropropane
 Concen: 25.443 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

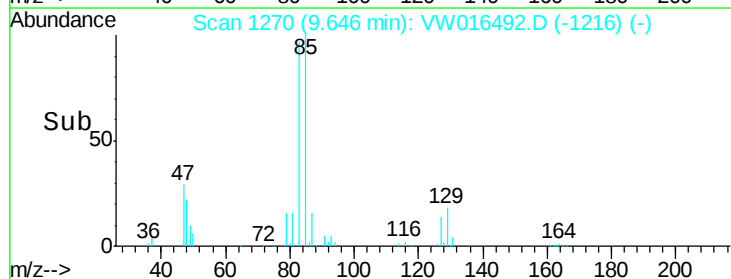
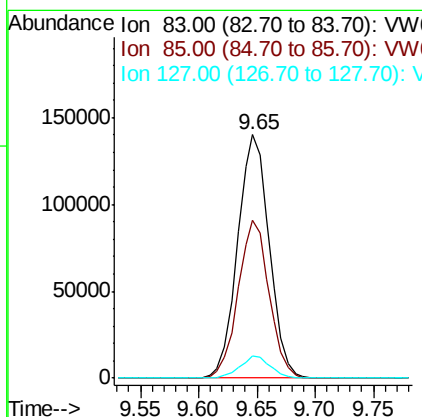
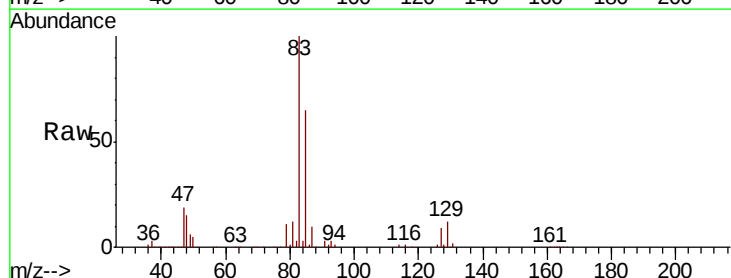
Instrument :
 MSVOA_W
 ClientSampled :

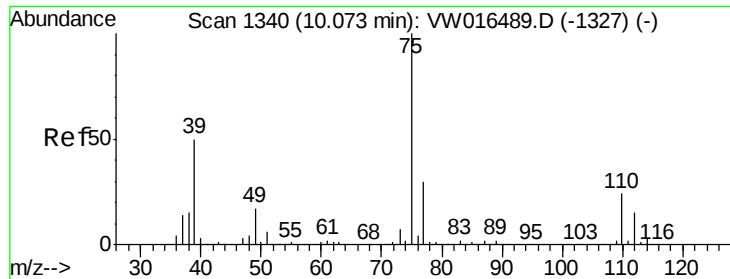
Tot Ion: 63 Resp: 180256
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.8



#41
 Bromodichloromethane
 Concen: 26.723 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

Tgt Ion: 83 Resp: 264686
 Ion Ratio Lower Upper
 83 100
 85 64.8 43.5 80.7
 127 9.0 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 25.632 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Instrument :

MSVOA_W

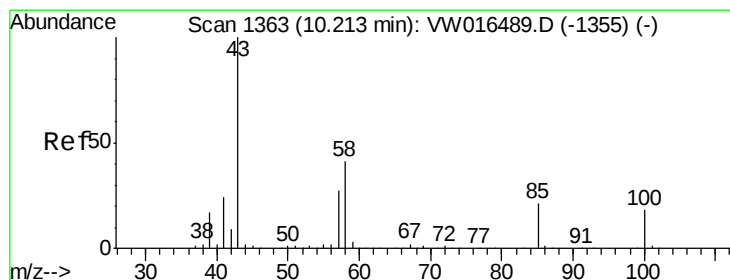
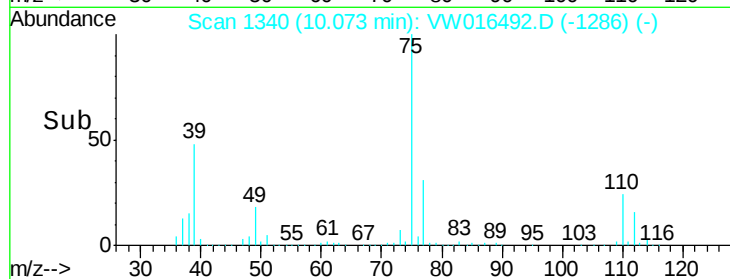
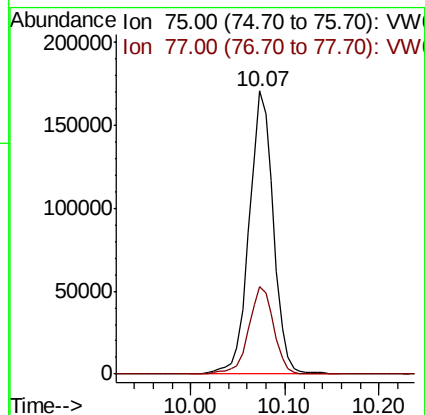
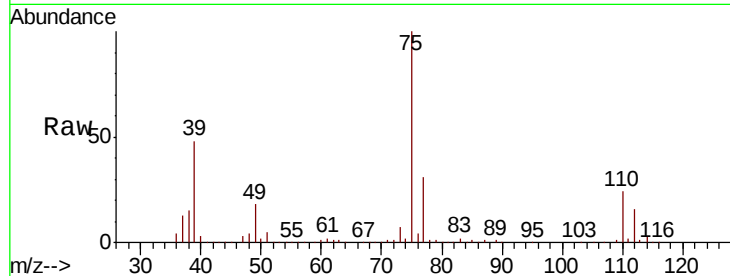
ClientSampleId :

Tot Ion: 75 Resp: 308166

Ion Ratio Lower Upper

75 100

77 30.9 20.9 38.7



#43

4-Methyl-2-pentanone

Concen: 44.246 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

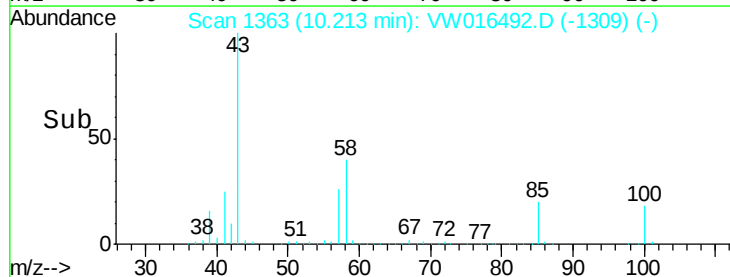
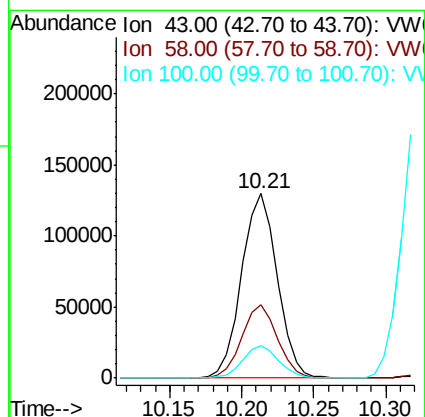
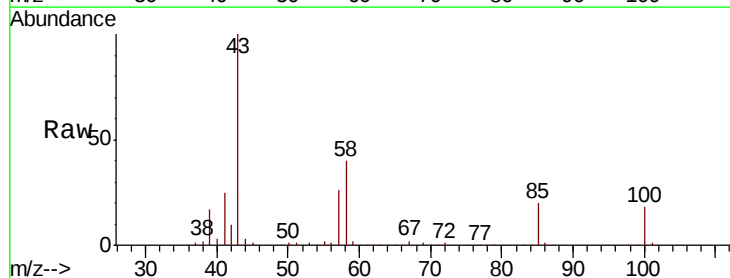
Tgt Ion: 43 Resp: 221967

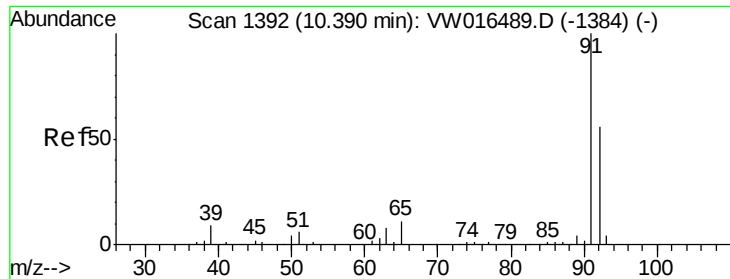
Ion Ratio Lower Upper

43 100

58 39.9 30.6 45.8

100 17.9 13.0 19.6





#44

Toluene

Concen: 27.269 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Instrument :

MSVOA_W

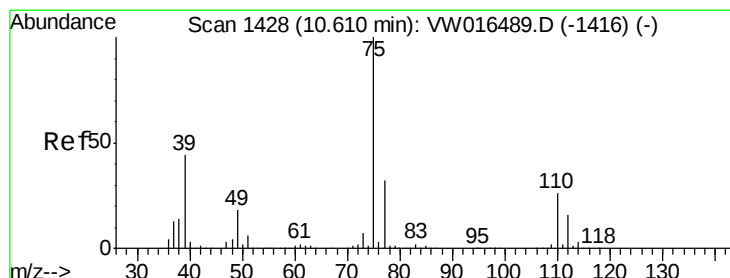
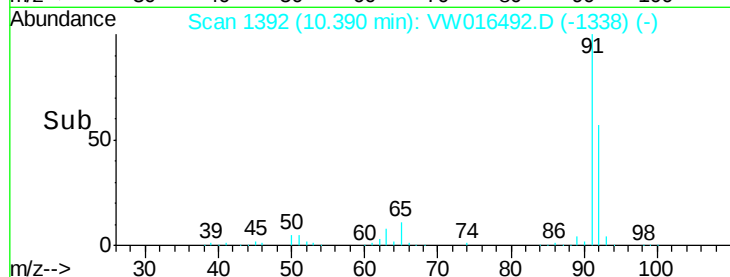
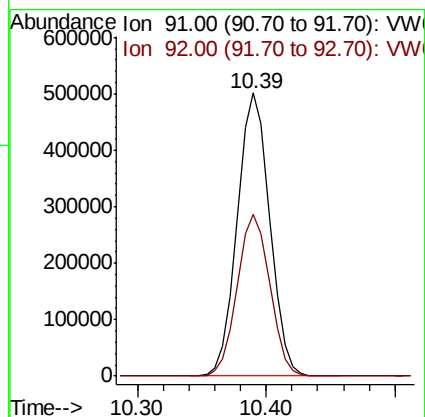
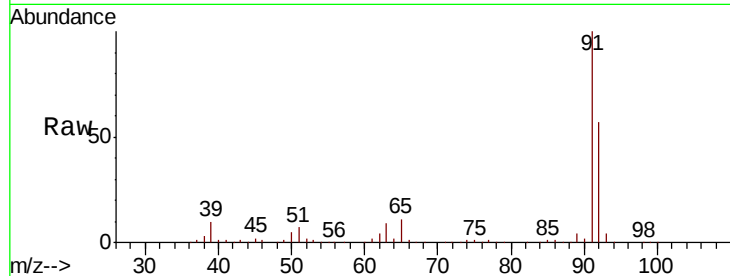
ClientSampled :

Tot Ion: 91 Resp: 874345

Ion Ratio Lower Upper

91 100

92 57.4 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 25.105 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016492.D

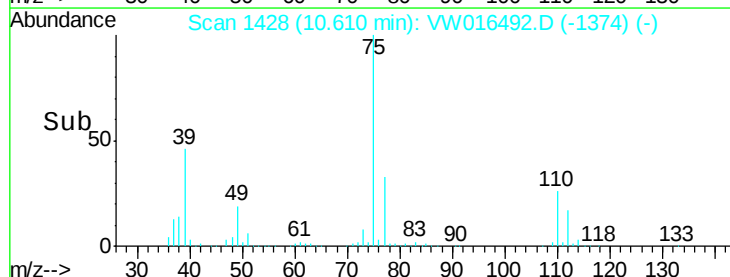
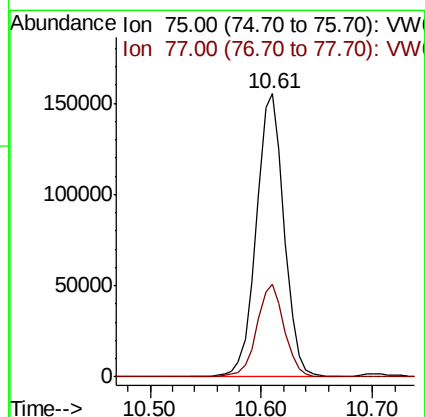
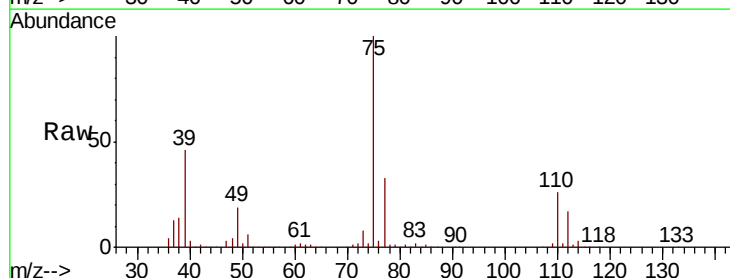
Acq: 08 Sep 2020 13:36

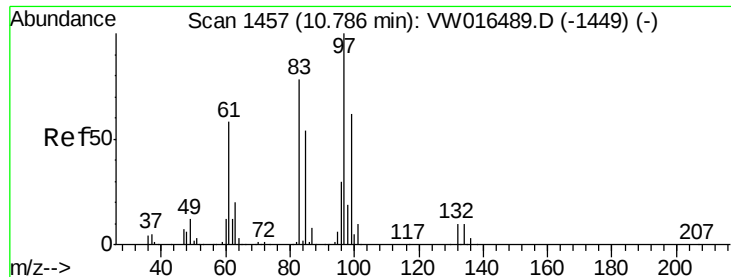
Tgt Ion: 75 Resp: 269792

Ion Ratio Lower Upper

75 100

77 32.6 21.9 40.7





#46

1,1,2-Trichloroethane

Concen: 26.194 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 147078

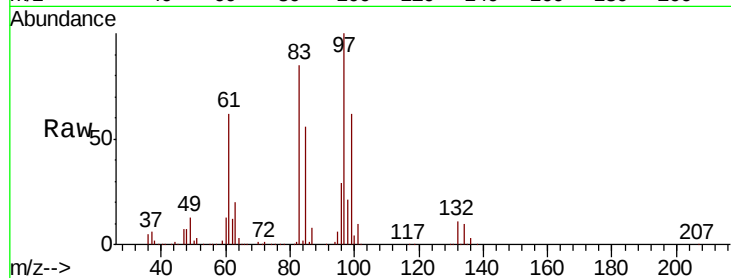
Ion Ratio Lower Upper

97 100

83 85.0 59.7 110.9

85 56.1 37.6 69.8

99 62.4 42.3 78.5



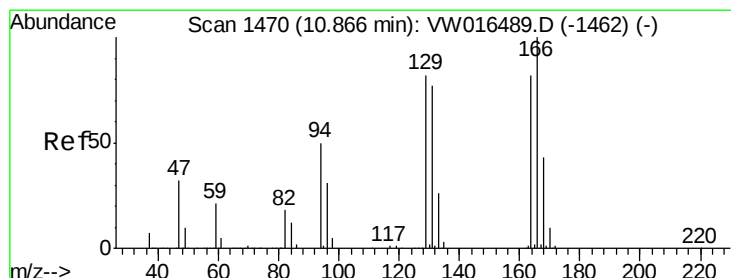
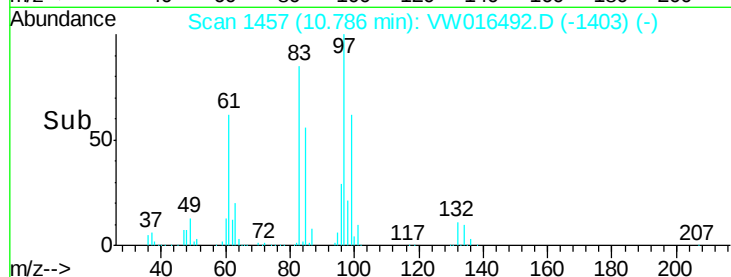
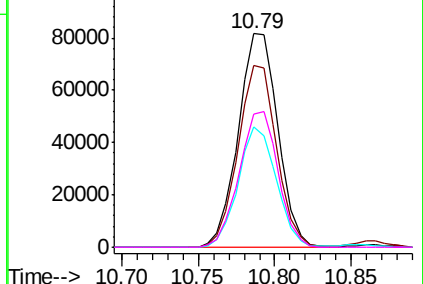
Abundance

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: 27.112 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Tgt Ion: 164 Resp: 172591

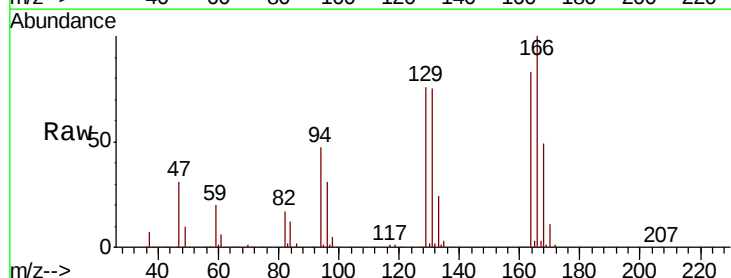
Ion Ratio Lower Upper

164 100

129 91.0 65.7 121.9

131 89.7 61.1 113.5

166 120.3 85.0 157.8



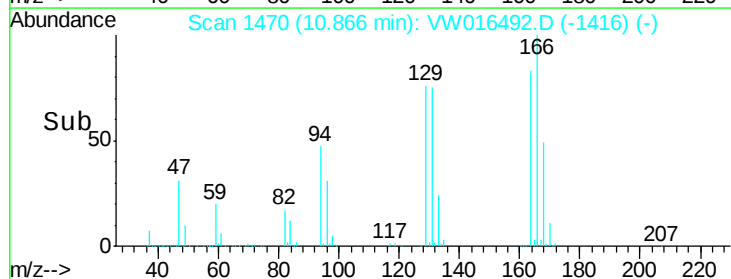
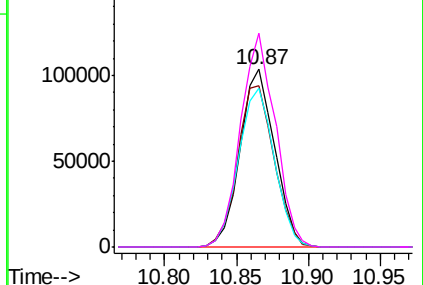
Abundance

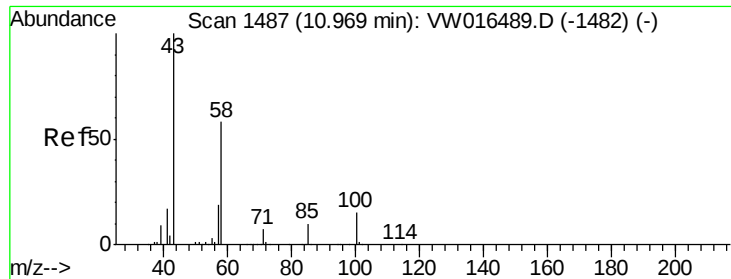
Ion 164.00 (163.70 to 164.70): V

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: 42.861 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 149743

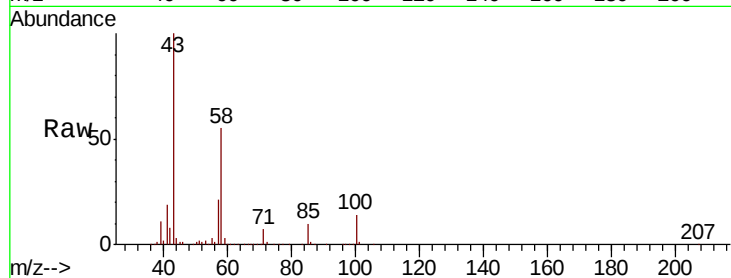
Ion Ratio Lower Upper

43 100

58 55.7 42.1 63.1

57 20.4 14.9 22.3

100 14.6 10.3 15.5

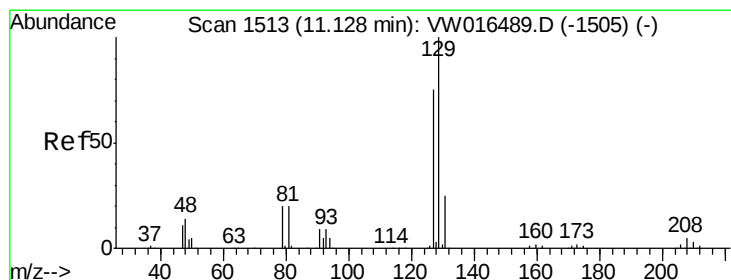
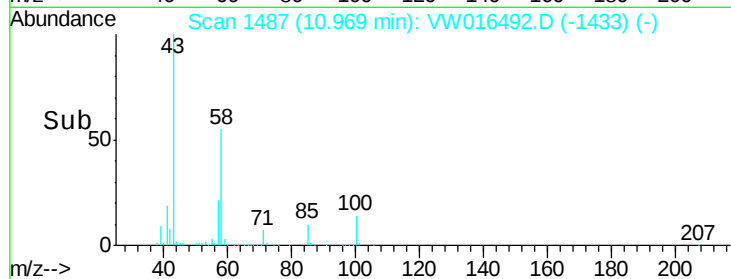
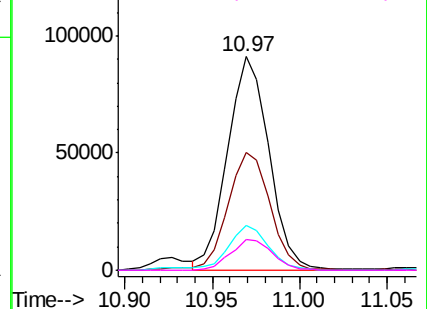


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.416 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016492.D

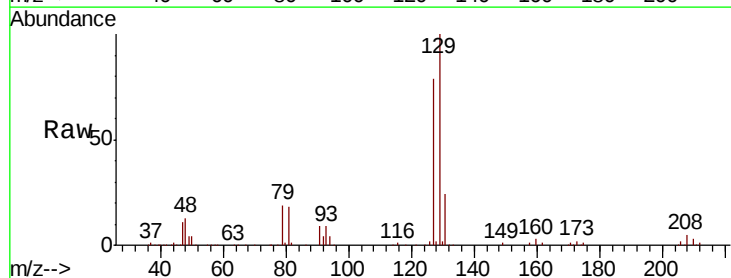
Acq: 08 Sep 2020 13:36

Tgt Ion: 129 Resp: 187554

Ion Ratio Lower Upper

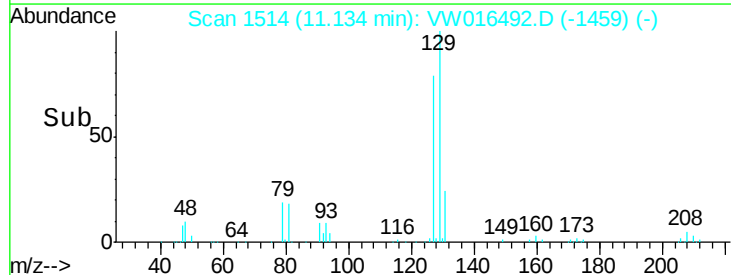
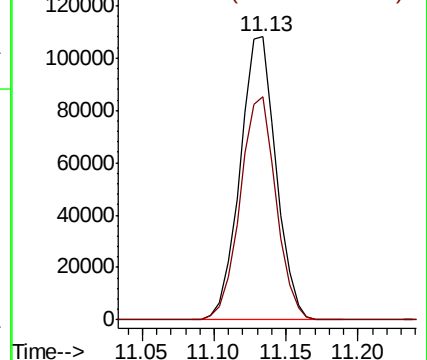
129 100

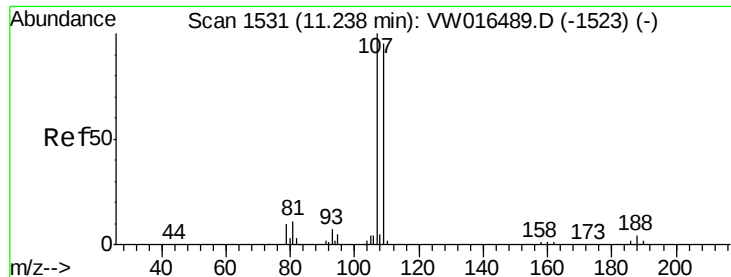
127 79.0 55.4 103.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

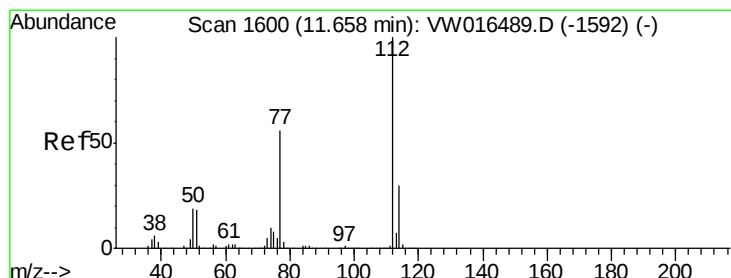
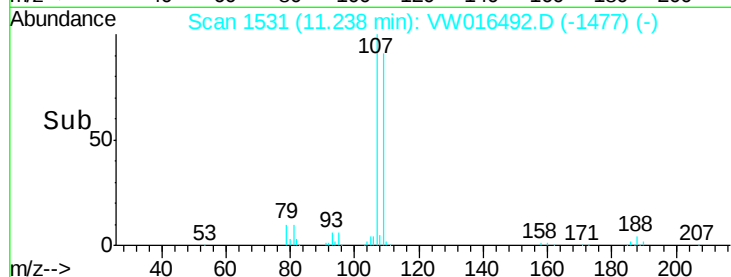
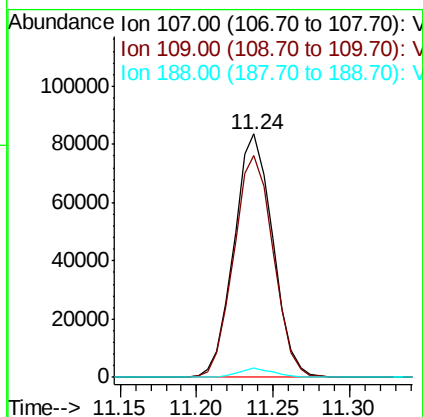
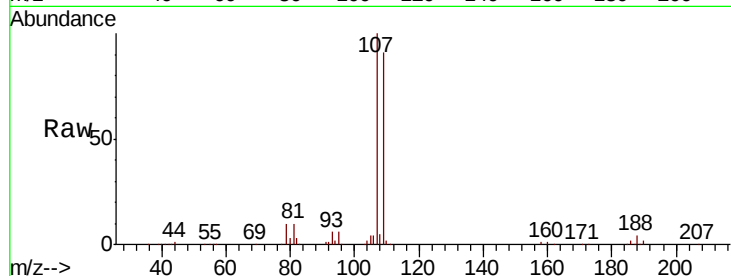




#51
 1,2-Dibromoethane
 Concen: 26.226 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

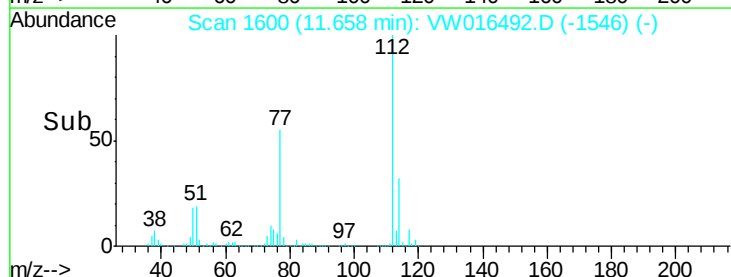
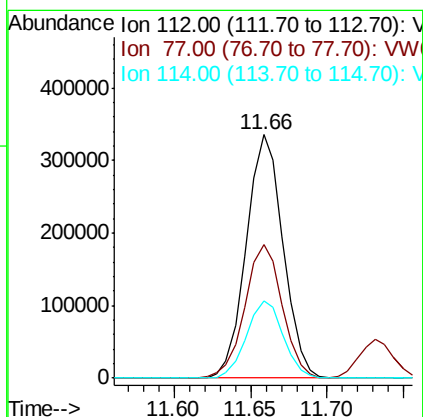
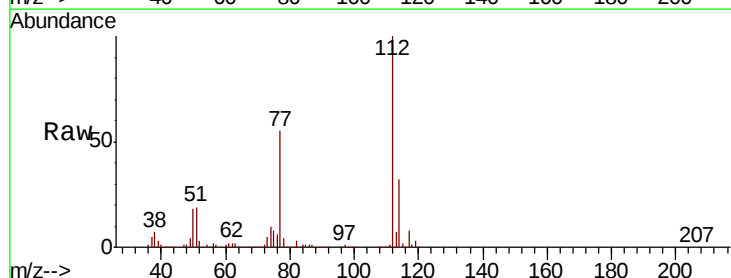
Instrument :
 MSVOA_W
 ClientSampled :

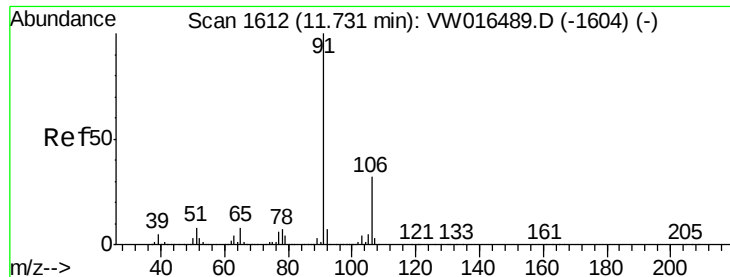
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.4	64.8	120.4
188	3.9	3.4	5.0



#52
 Chlorobenzene
 Concen: 27.598 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.8	46.2	69.2
114	31.7	21.1	39.3

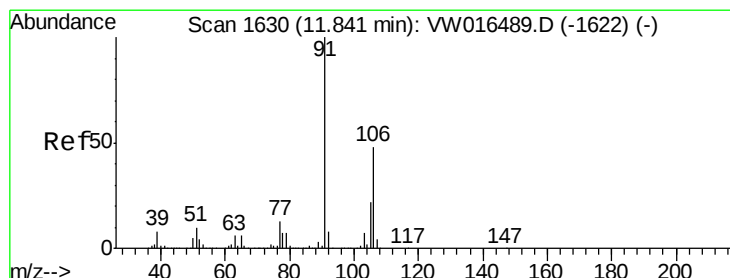
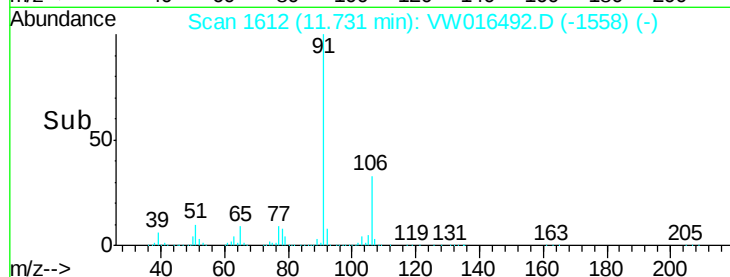
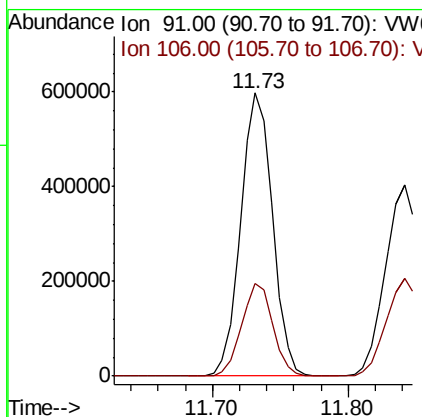
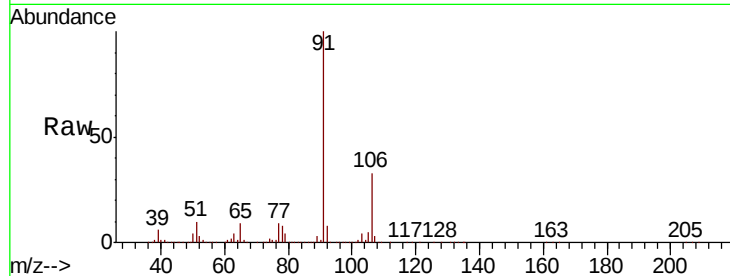




#53
Ethylbenzene
Concen: 27.000 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016492.D
Acq: 08 Sep 2020 13:36

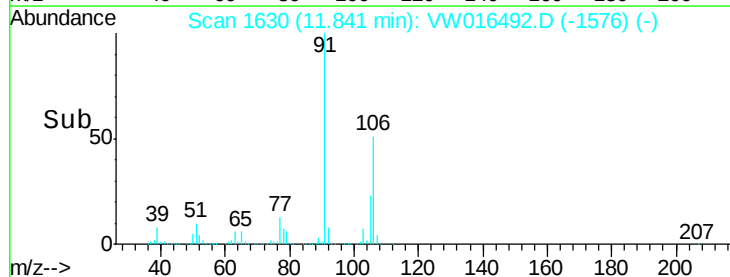
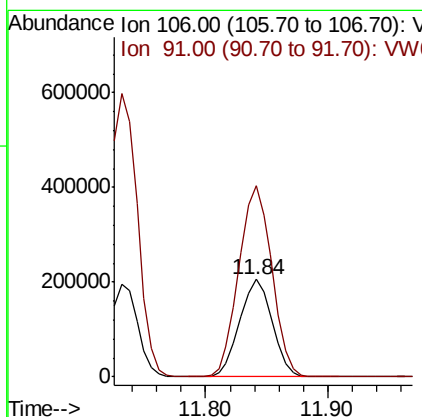
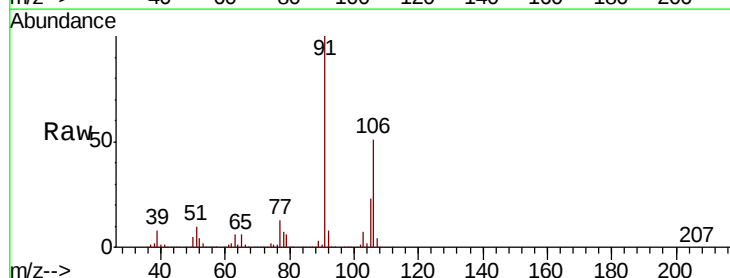
Instrument :
MSVOA_W
ClientSampled :

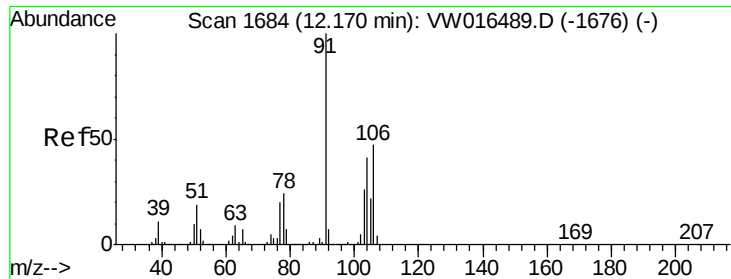
Tot Ion: 91 Resp: 975127
Ion Ratio Lower Upper
91 100
106 32.7 21.6 40.2



#54
m,p-Xylene
Concen: 27.644 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016492.D
Acq: 08 Sep 2020 13:36

Tgt Ion: 106 Resp: 381578
Ion Ratio Lower Upper
106 100
91 197.2 142.3 264.3





#55

o-xylene

Concen: 27.336 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Instrument :

MSVOA_W

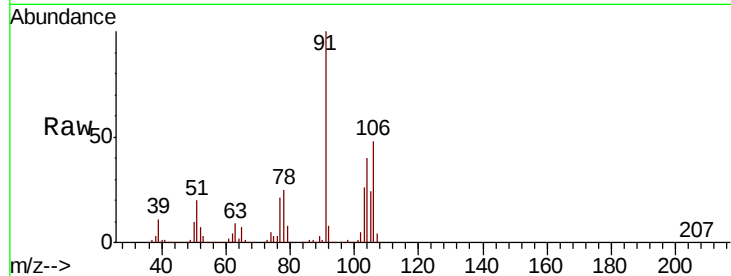
ClientSampled :

Tot Ion:106 Resp: 359415

Ion Ratio Lower Upper

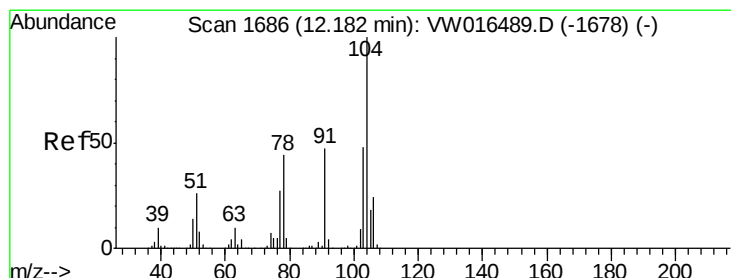
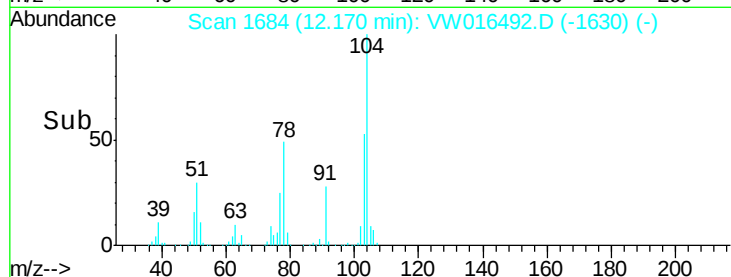
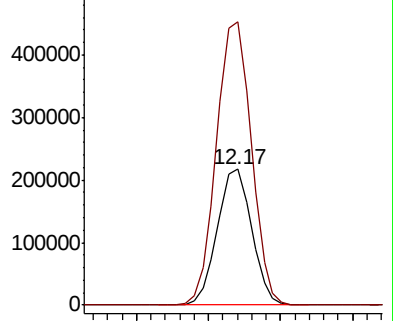
106 100

91 208.1 144.3 267.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.804 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016492.D

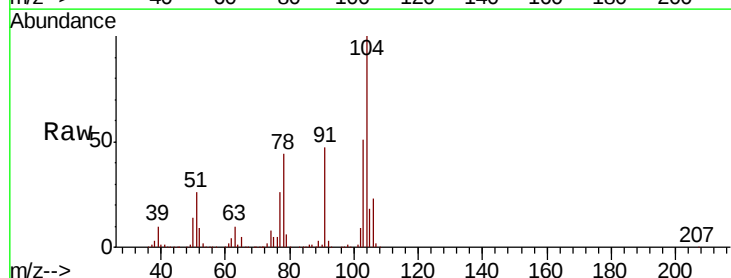
Acq: 08 Sep 2020 13:36

Tgt Ion:104 Resp: 605528

Ion Ratio Lower Upper

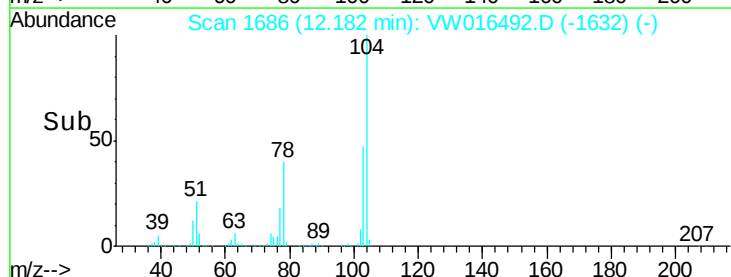
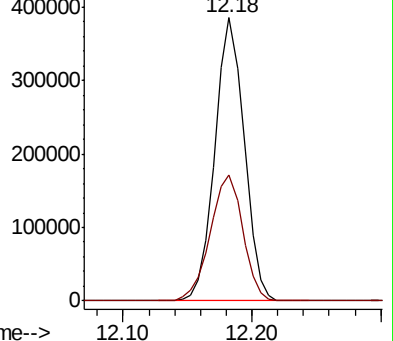
104 100

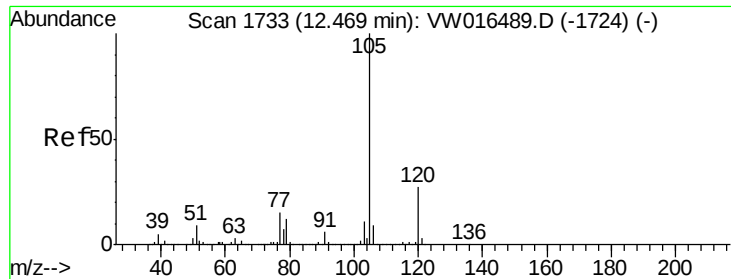
78 44.3 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.047 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Instrument :

MSVOA_W

ClientSampleId :

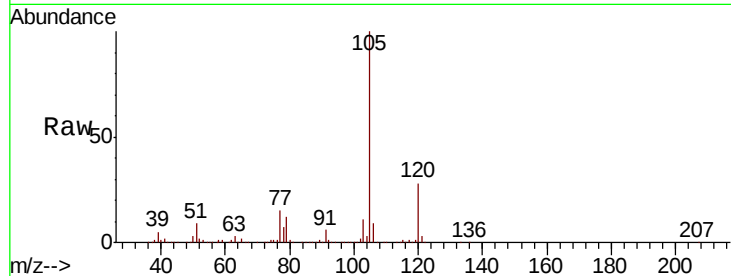
Tot Ion:105 Resp: 1010200

Ion Ratio Lower Upper

105 100

120 26.4 21.9 32.9

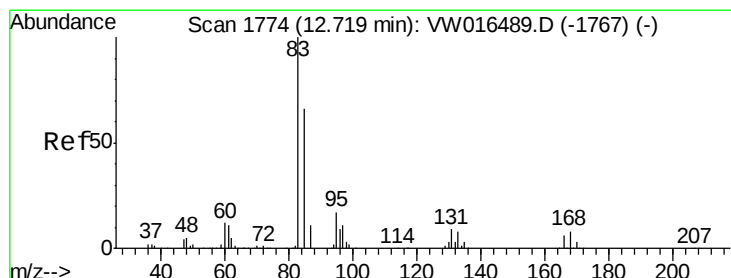
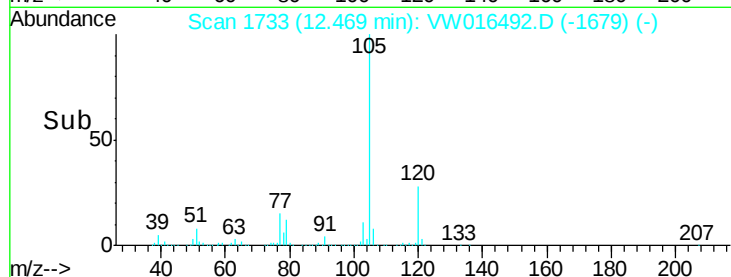
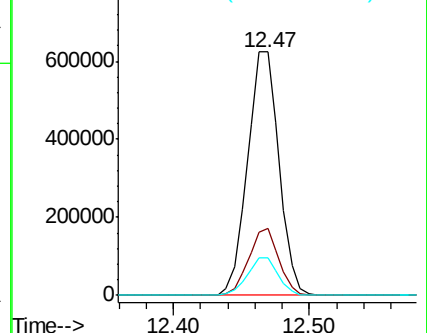
77 15.3 13.0 19.6



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: 25.529 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

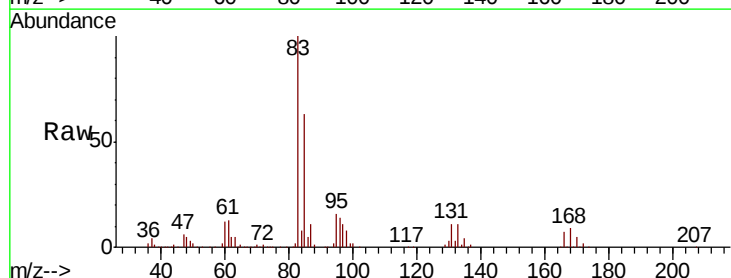
Tgt Ion: 83 Resp: 170879

Ion Ratio Lower Upper

83 100

85 62.5 45.3 84.1

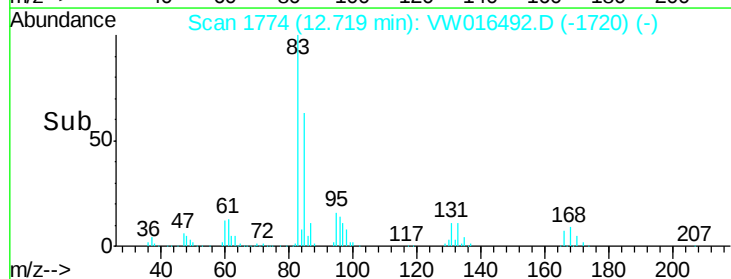
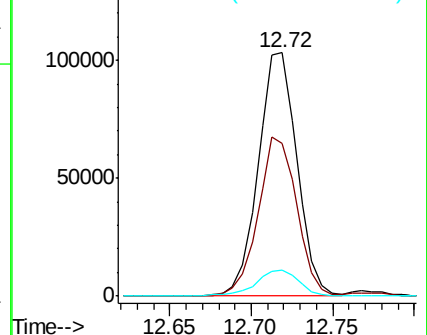
131 10.6 8.7 13.1

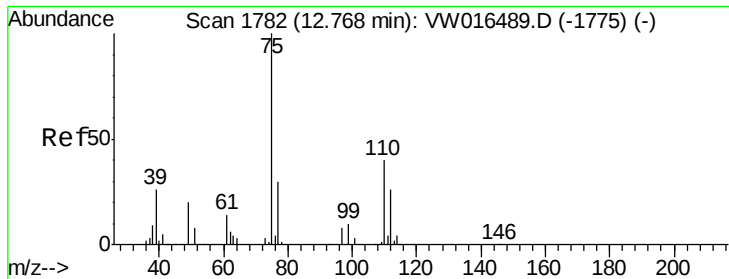


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

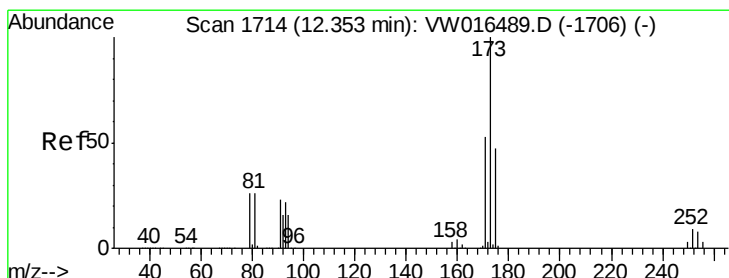
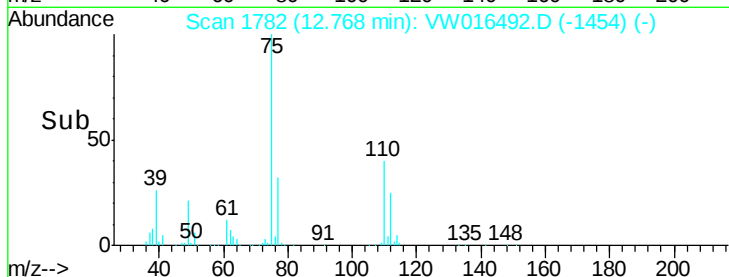
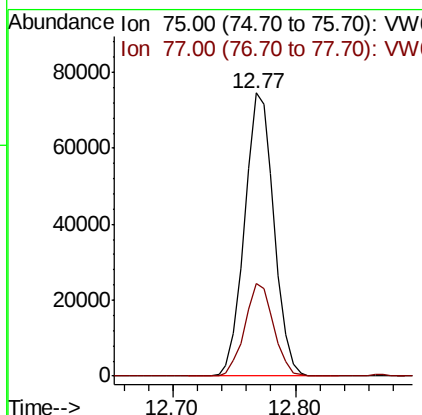
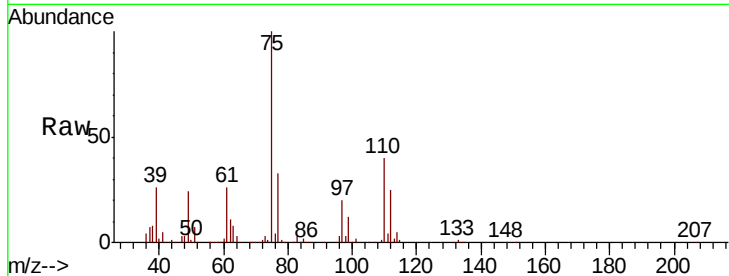




#59
 1,2,3-Trichloropropane
 Concen: 24.846 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

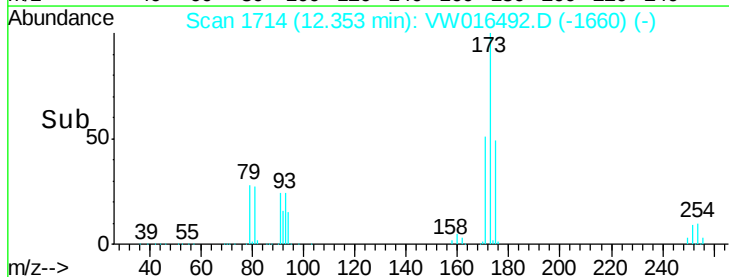
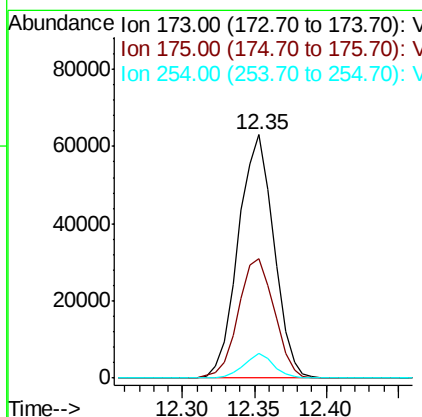
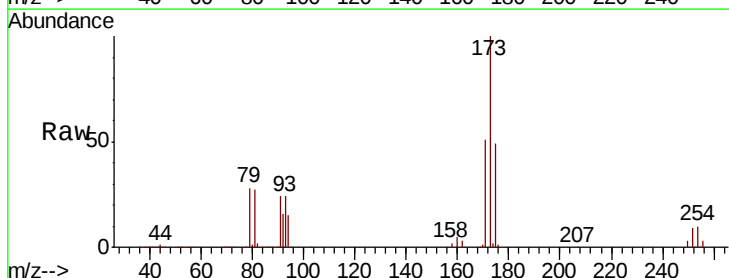
Instrument :
 MSVOA_W
 ClientSampleId :

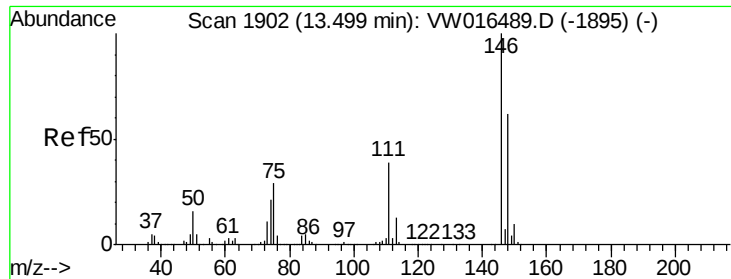
Tot Ion: 75 Resp: 124300
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.0 39.0



#62
 Bromoform
 Concen: 25.118 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

Tgt Ion:173 Resp: 107848
 Ion Ratio Lower Upper
 173 100
 175 49.8 39.2 58.8
 254 8.5 5.8 8.6

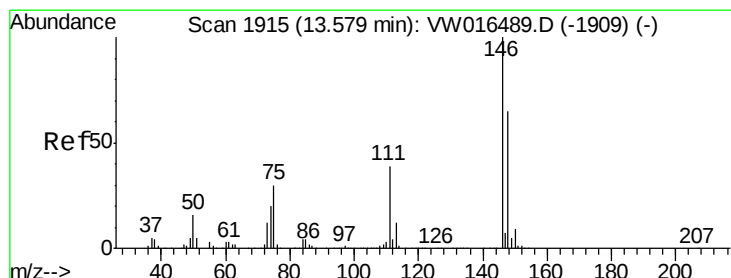
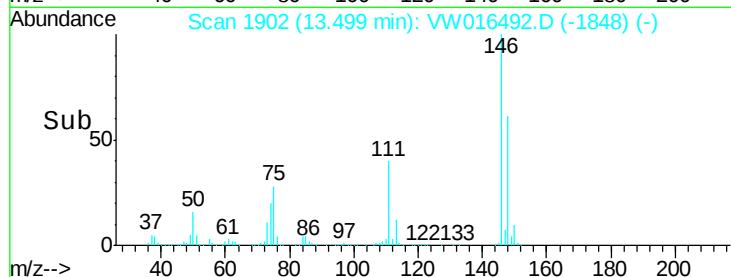
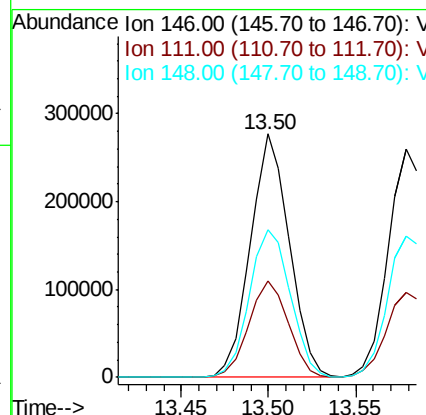
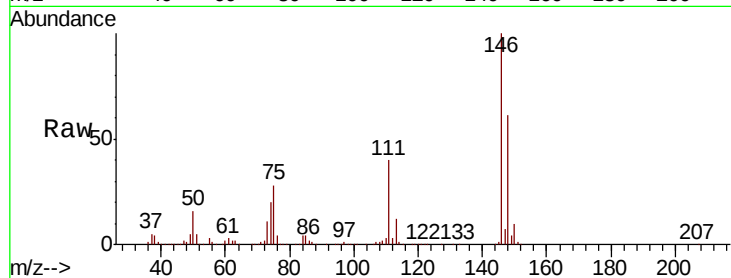




#63
 1,3-Dichlorobenzene
 Concen: 26.669 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

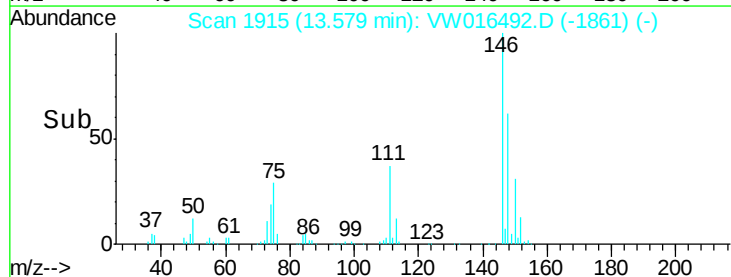
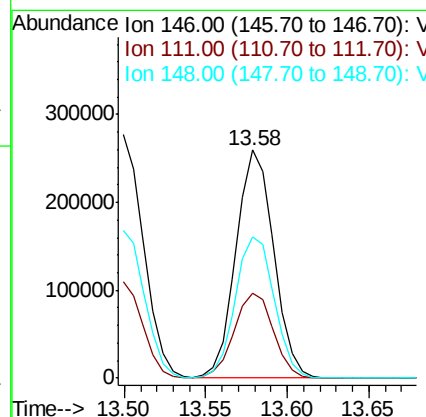
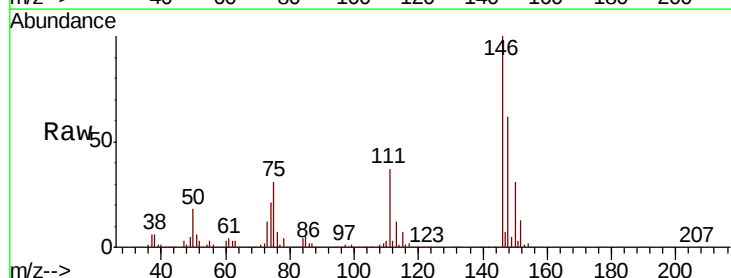
Instrument :
 MSVOA_W
 ClientSampleId :

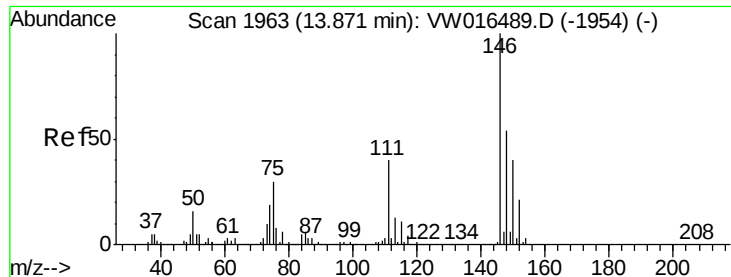
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	26.5	49.3
148	60.8	41.3	76.7



#64
 1,4-Dichlorobenzene
 Concen: 26.197 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	26.4	49.0
148	61.8	45.1	83.9

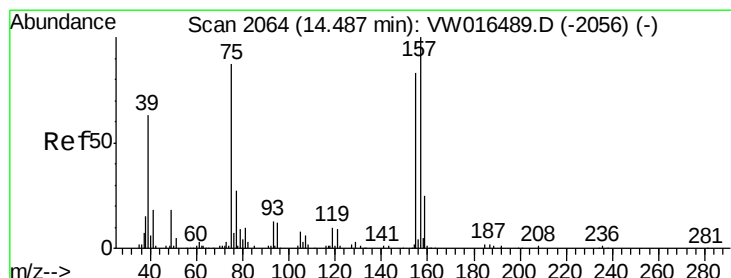
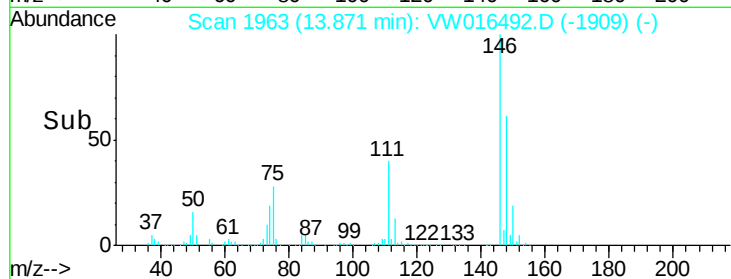
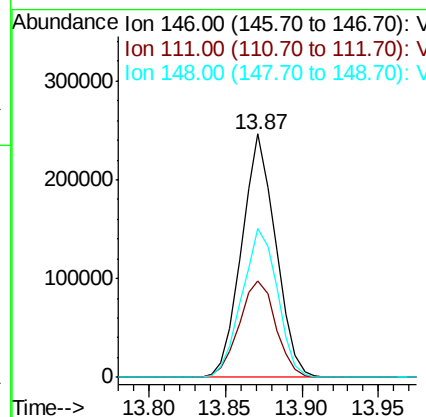
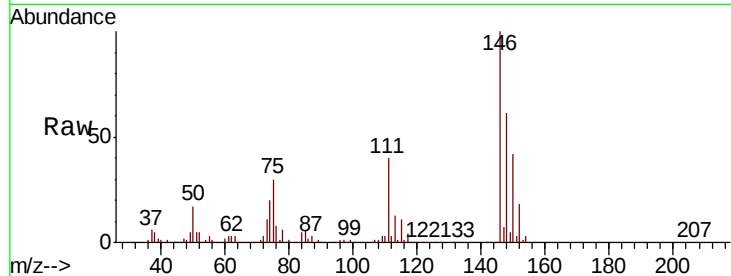




#65
 1,2-Dichlorobenzene
 Concen: 26.602 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

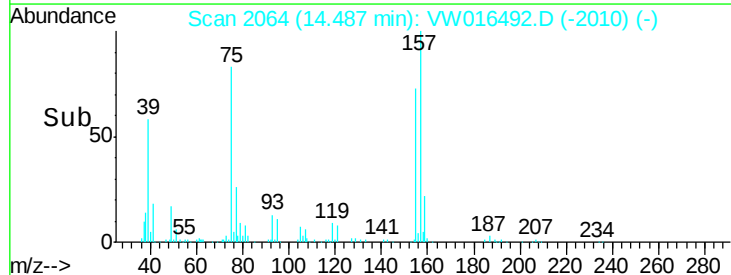
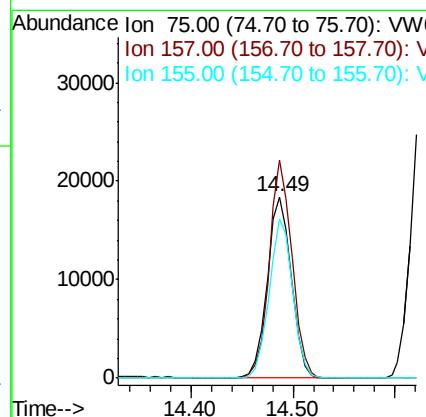
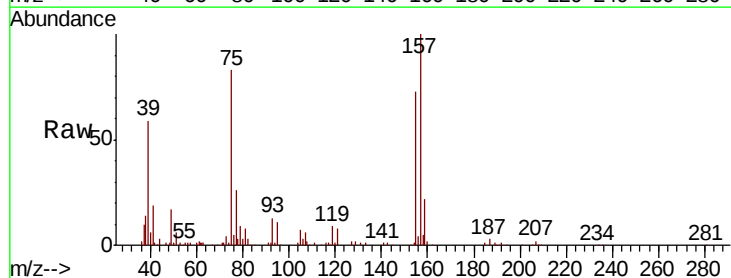
Instrument :
 MSVOA_W
 ClientSampleId :

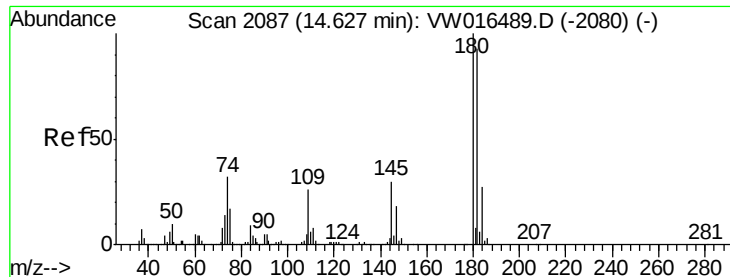
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	35.3	52.9
148	61.2	49.8	74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.723 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
157	120.1	91.4	137.0
155	88.0	71.3	106.9

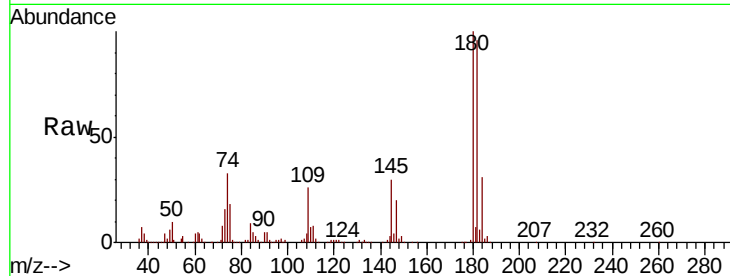




#67
 1,3,5-Trichlorobenzene
 Concen: 25.063 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Resp	Lower	Upper
180	100	278289		
182	96.9		75.8	113.8
184	30.9		24.2	36.2
145	31.0		24.6	36.8



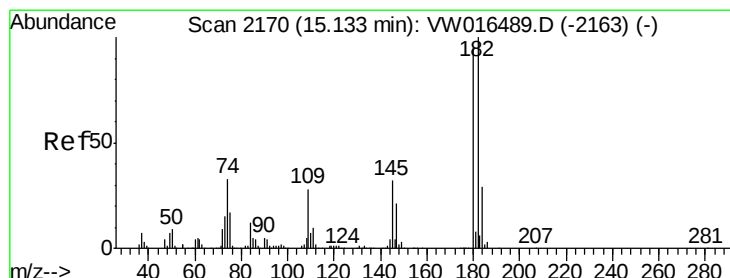
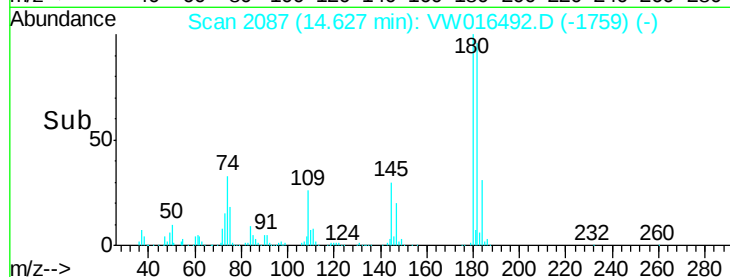
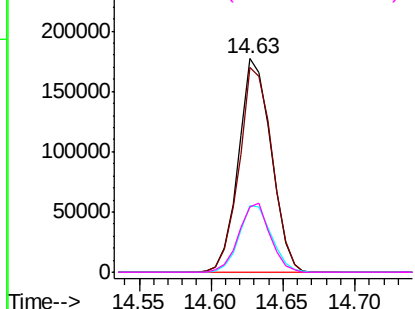
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

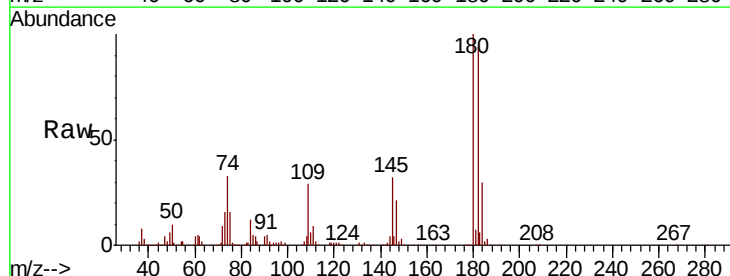
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.159 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016492.D
 Acq: 08 Sep 2020 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	241623		
182	93.6		78.5	117.7
145	30.5		25.6	38.4

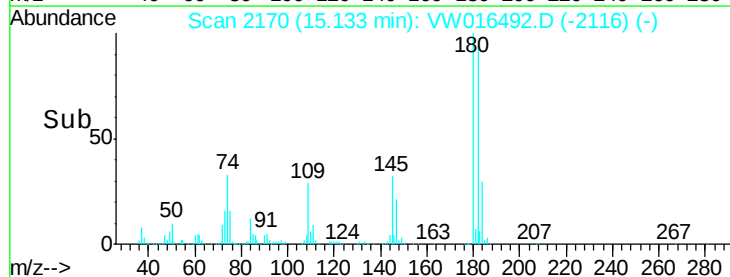
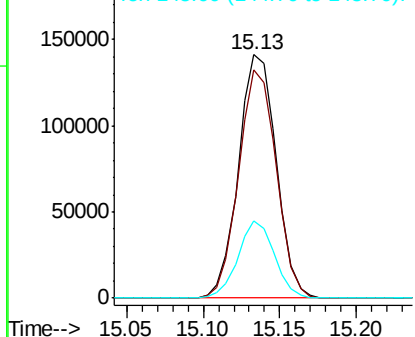


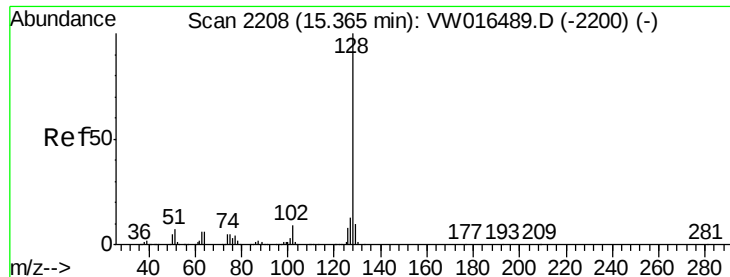
Abundance

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: 24.653 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

Instrument :

MSVOA_W

ClientSampleId :

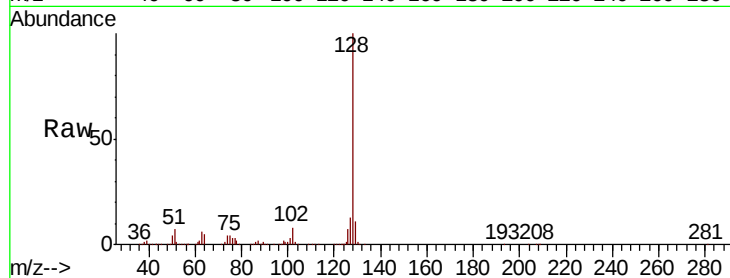
Tot Ion:128 Resp: 499700

Ion Ratio Lower Upper

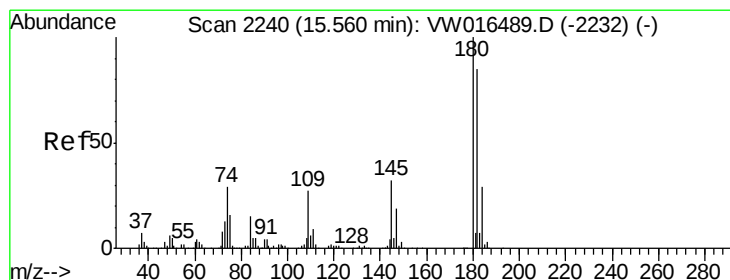
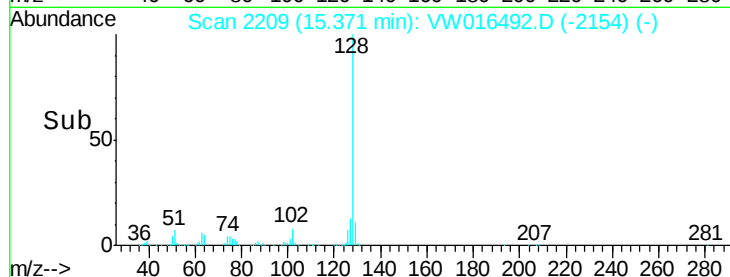
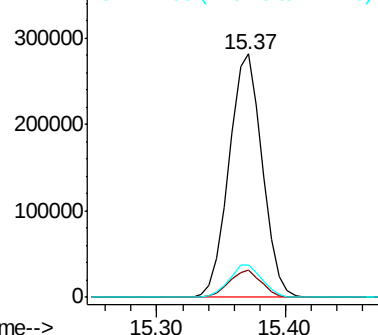
128 100

129 11.0 8.7 13.1

127 13.4 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: 24.697 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016492.D

Acq: 08 Sep 2020 13:36

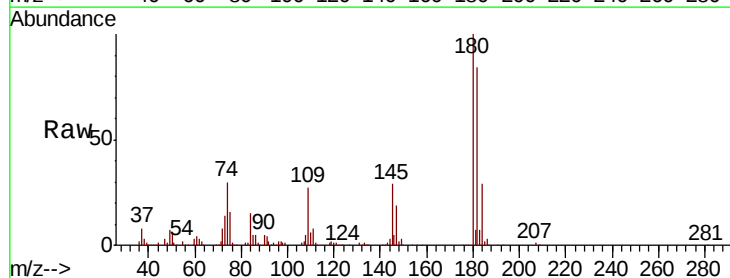
Tgt Ion:180 Resp: 203648

Ion Ratio Lower Upper

180 100

182 95.7 76.1 114.1

145 33.5 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

