

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092520\
 Data File : VW016637.D
 Acq On : 24 Sep 2020 09:14
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB01

Quant Time: Sep 25 07:57:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 24 16:51:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	623531	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	552262	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	268686	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	123032	20.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.56%
7) Chloroethane-d5	2.90	69	110586	22.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.76%
10) 1,1-Dichloroethene-d2	4.03	63	293525	21.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.00%
20) 2-Butanone-d5	7.09	46	63806	38.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.56%
24) Chloroform-d	7.65	84	329851	25.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.16%
26) 1,2-Dichloroethane-d4	8.31	65	154850	23.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.52%
29) Benzene-d6	8.28	84	553031	22.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.32%
33) 1,2-Dichloropropane-d6	9.28	67	160251	23.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.52%
37) Toluene-d8	10.33	98	514842	21.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.52%
38) trans-1,3-Dichloropropene-	10.58	79	74906	22.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.56%
39) 2-Hexanone-d5	10.93	63	51555	42.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124875	21.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	210567	24.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	182032	23.632	ug/L 96
3) Chloromethane	2.23	50	149442	26.514	ug/L 99
5) Vinyl chloride	2.38	62	220265	26.483	ug/L 98
6) Bromomethane	2.80	94	156941	24.867	ug/L 99
8) Chloroethane	2.95	64	130892	26.603	ug/L 94
9) Trichlorofluoromethane	3.28	101	223288	26.627	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	212674	26.473	ug/L 98
12) 1,1-Dichloroethene	4.05	96	202662	25.660	ug/L 93
13) Acetone	4.14	43	45025	34.931	ug/L 98
14) Carbon disulfide	4.40	76	597682	25.084	ug/L 100
15) Methyl Acetate	4.68	43	54614	18.607	ug/L 99
16) Methylene chloride	4.92	84	191816	19.946	ug/L 94
17) Methyl tert-butyl Ether	5.43	73	246687	22.804	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	210956	25.792	ug/L 99
19) 1,1-Dichloroethane	6.22	63	325926	25.198	ug/L 97
21) 2-Butanone	7.18	43	71376	32.549	ug/L 97
22) cis-1,2-Dichloroethene	7.18	96	214236	25.245	ug/L 95

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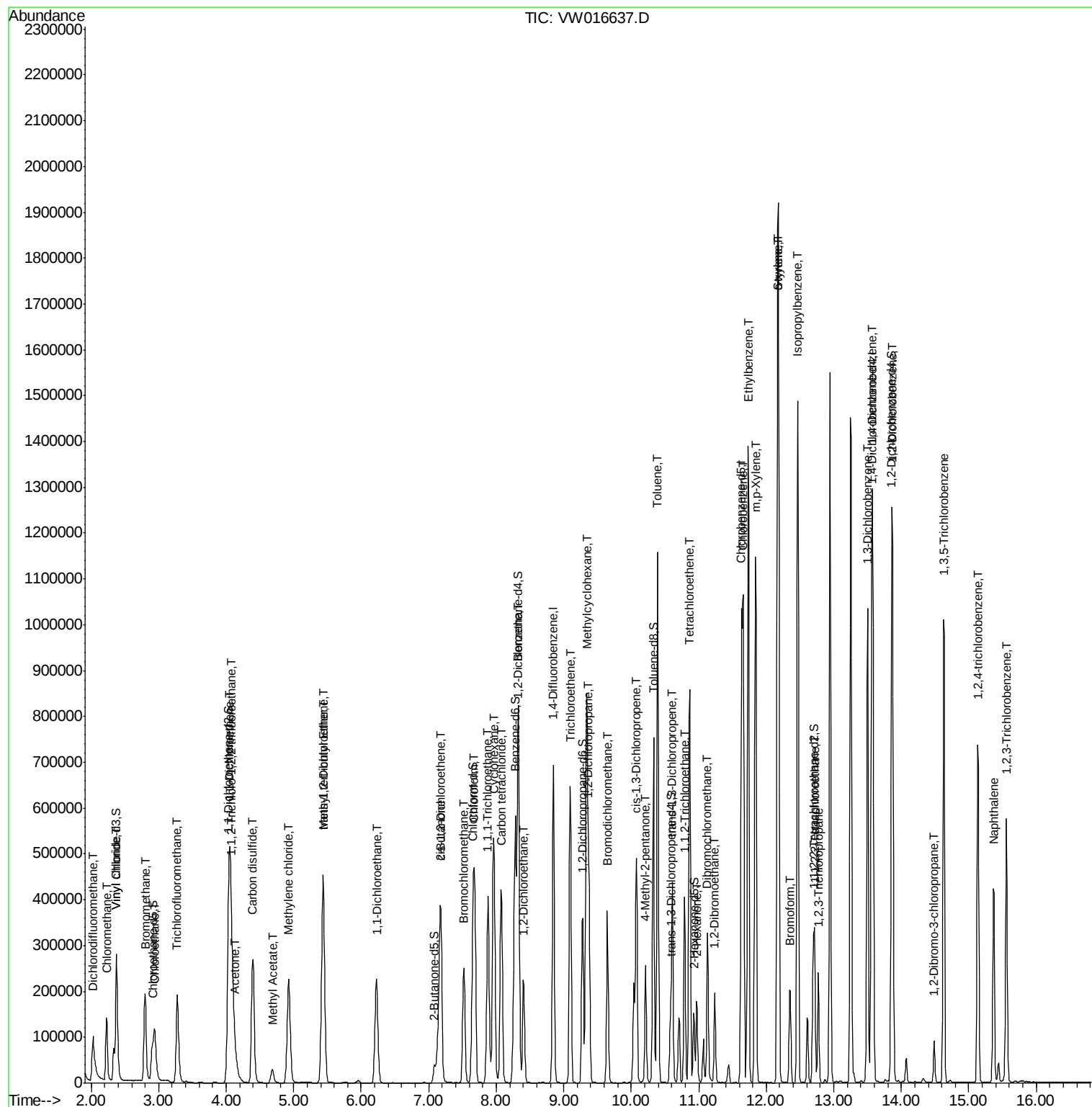
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	97247	23.571	ug/L	96
25) Chloroform	7.68	83	357976	25.385	ug/L	99
27) 1,2-Dichloroethane	8.40	62	210857	23.304	ug/L	100
30) Cyclohexane	7.96	56	305989	25.354	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	337811	26.191	ug/L	99
32) Carbon tetrachloride	8.07	117	326695	26.071	ug/L	98
34) Benzene	8.33	78	751208	25.378	ug/L	100
35) Trichloroethene	9.10	95	219670	25.650	ug/L	100
36) Methylcyclohexane	9.34	83	370037	25.474	ug/L	100
40) 1,2-Dichloropropane	9.37	63	166817	24.231	ug/L	100
41) Bromodichloromethane	9.65	83	249390	24.445	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	283124	24.076	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	157633	36.038	ug/L	100
44) Toluene	10.39	91	848515	25.493	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	237456	23.209	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	131474	22.669	ug/L	98
47) Tetrachloroethene	10.87	164	203106	26.264	ug/L	96
49) 2-Hexanone	10.97	43	103485	37.279	ug/L	98
50) Dibromochloromethane	11.13	129	175843	23.222	ug/L	98
51) 1,2-Dibromoethane	11.24	107	128277	22.090	ug/L	96
52) Chlorobenzene	11.66	112	552048	24.692	ug/L	99
53) Ethylbenzene	11.73	91	970997	25.695	ug/L	94
54) m,p-Xylene	11.84	106	380994	25.748	ug/L	98
55) o-xylene	12.17	106	353941	24.967	ug/L	95
56) Styrene	12.18	104	597197	25.369	ug/L	97
57) Isopropylbenzene	12.46	105	998584	25.779	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	133267	20.548	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	95806	19.832	ug/L	99
62) Bromoform	12.35	173	96897	21.381	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	449002	25.692	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	429717	25.108	ug/L	93
65) 1,2-Dichlorobenzene	13.87	146	384001	24.591	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	21207	18.946	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	328837	25.728	ug/L	96
68) 1,2,4-trichlorobenzene	15.14	180	249265	24.108	ug/L	96
69) Naphthalene	15.36	128	380993	20.787	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	211183	23.749	ug/L	97

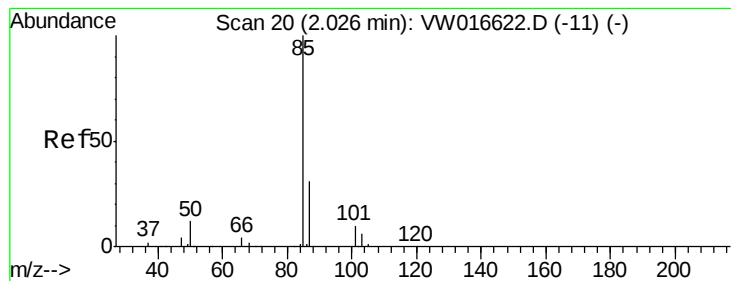
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.632 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampleId :

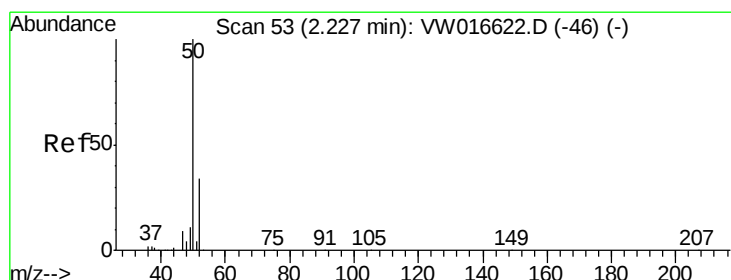
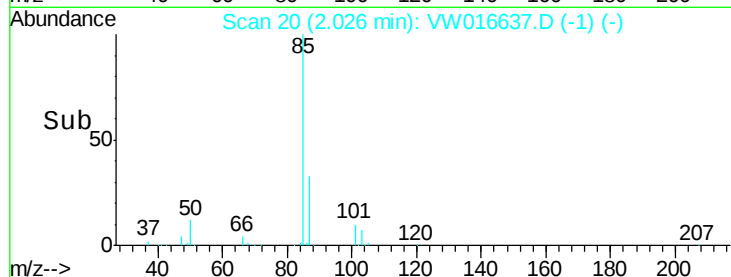
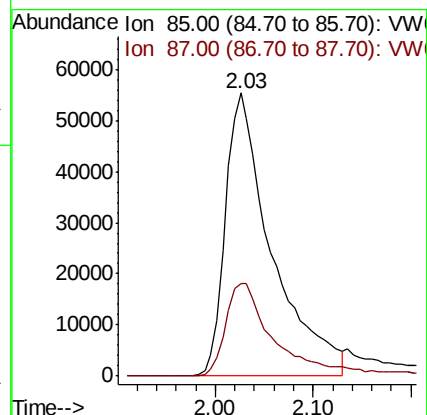
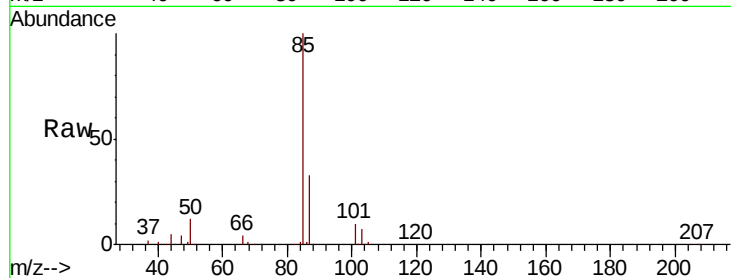
BFB01

Tot Ion: 85 Resp: 182032

Ion Ratio Lower Upper

85 100

87 34.0 22.2 41.2



#3

Chloromethane

Concen: 26.514 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016637.D

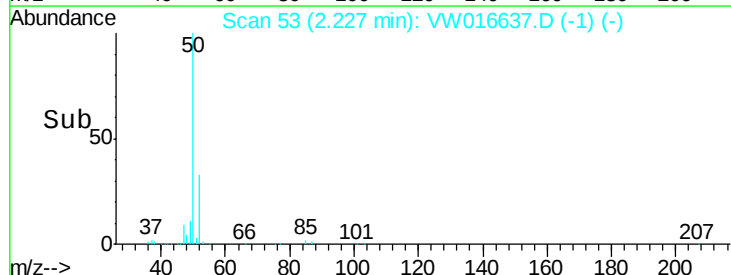
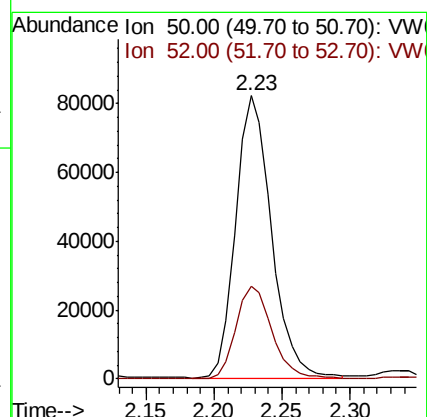
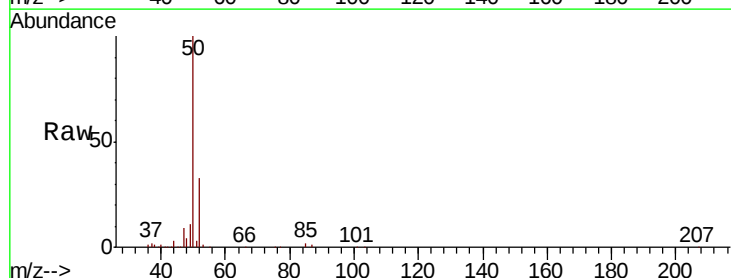
Acq: 24 Sep 2020 09:14

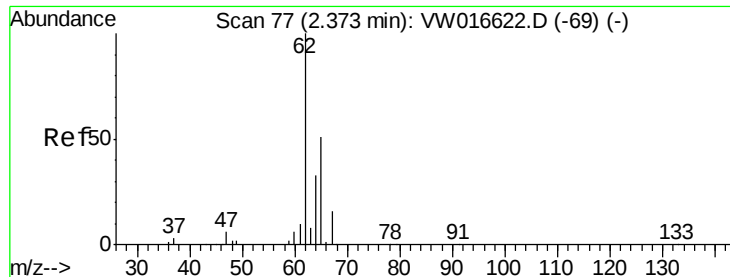
Tgt Ion: 50 Resp: 149442

Ion Ratio Lower Upper

50 100

52 32.6 22.4 41.6





#5

Vinyl chloride

Concen: 26.483 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.01 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampled :

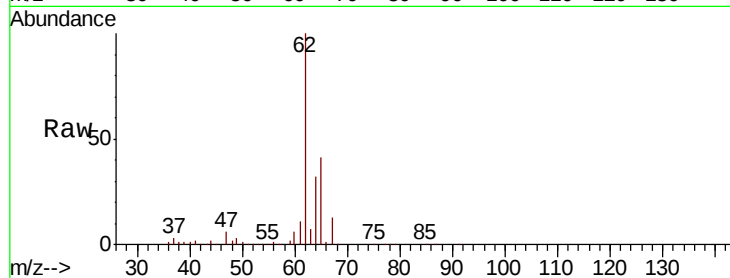
BFB01

Tot Ion: 62 Resp: 220265

Ion Ratio Lower Upper

62 100

64 32.4 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.38

120000

100000

80000

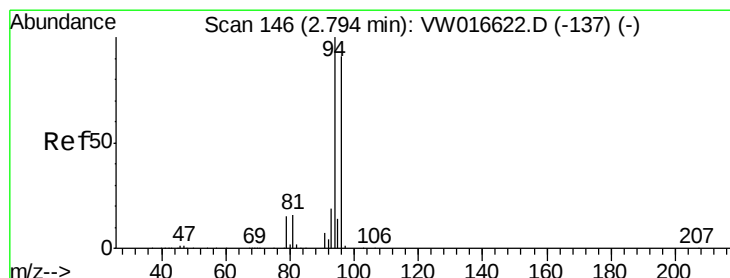
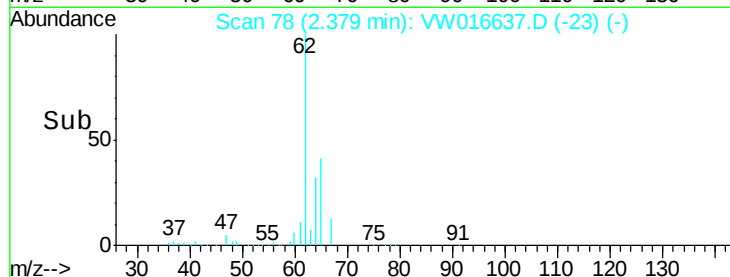
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 24.867 ug/L

RT: 2.80 min Scan# 147

Delta R.T. 0.01 min

Lab File: VW016637.D

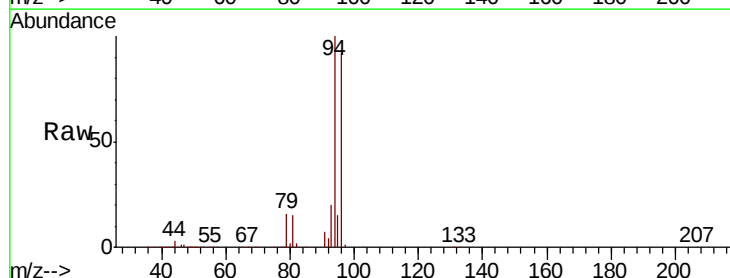
Acq: 24 Sep 2020 09:14

Tgt Ion: 94 Resp: 156941

Ion Ratio Lower Upper

94 100

96 94.8 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

80000

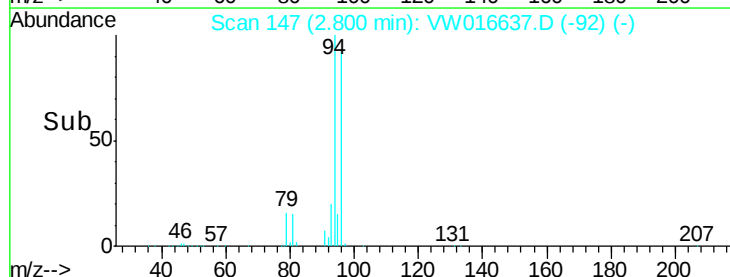
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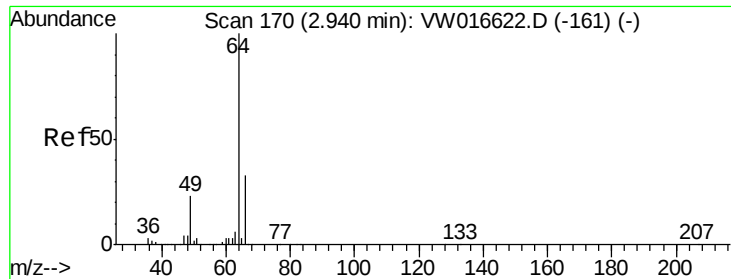
40000

20000

0

Time-->

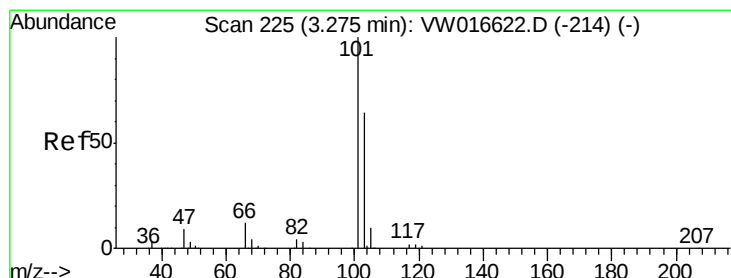
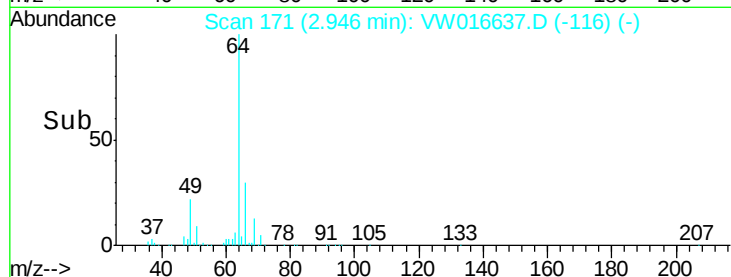
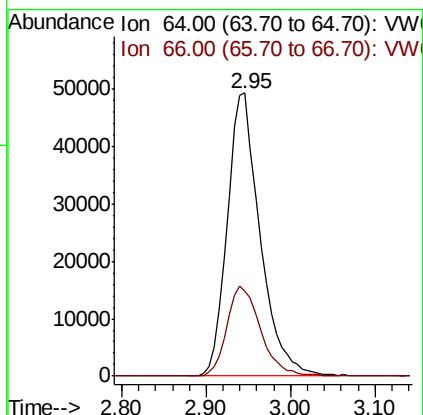
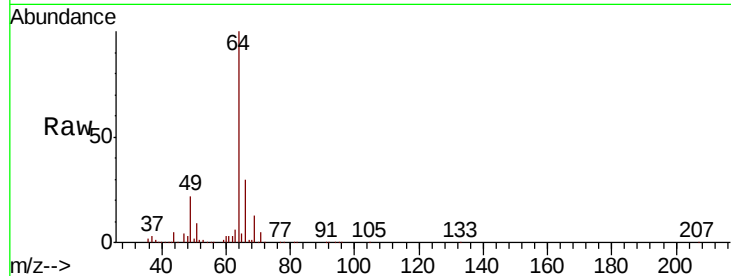




#8
Chloroethane
Concen: 26.603 ug/L
RT: 2.95 min Scan# 171
Delta R.T. 0.01 min
Lab File: VW016637.D
Acq: 24 Sep 2020 09:14

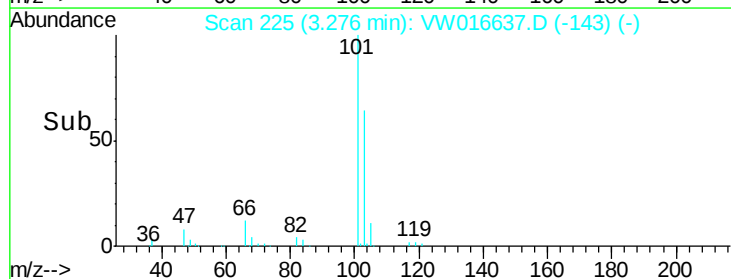
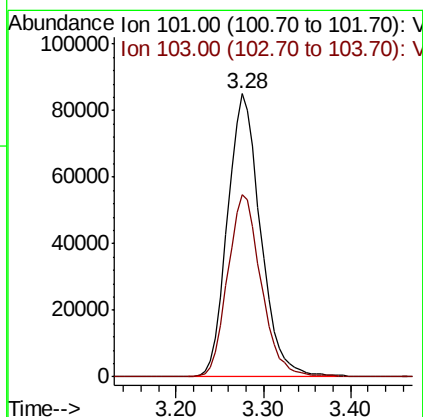
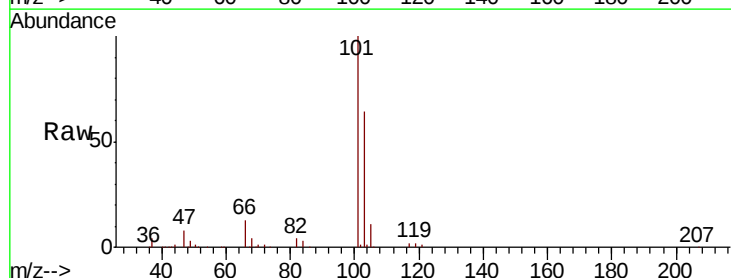
Instrument :
MSVOA_W
ClientSampleId :
BFB01

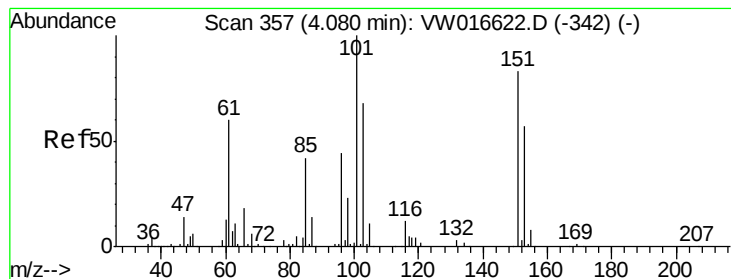
Tot Ion: 64 Resp: 130892
Ion Ratio Lower Upper
64 100
66 29.8 23.2 43.2



#9
Trichlorofluoromethane
Concen: 26.627 ug/L
RT: 3.28 min Scan# 225
Delta R.T. 0.00 min
Lab File: VW016637.D
Acq: 24 Sep 2020 09:14

Tgt Ion: 101 Resp: 223288
Ion Ratio Lower Upper
101 100
103 65.3 45.2 84.0





#11

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

Concen: 26.473 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampleId :

BFB01

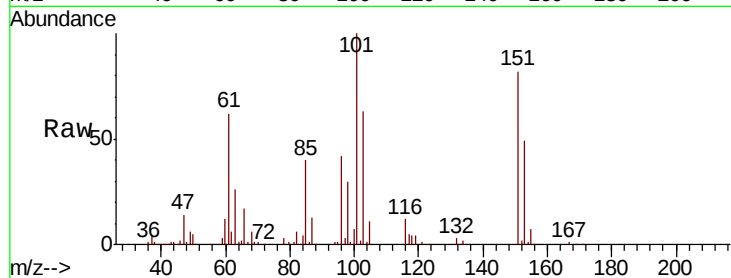
Tot Ion:101 Resp: 212674

Ion Ratio Lower Upper

101 100

85 41.9 32.6 49.0

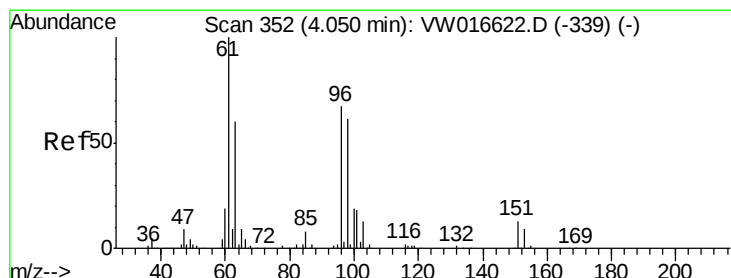
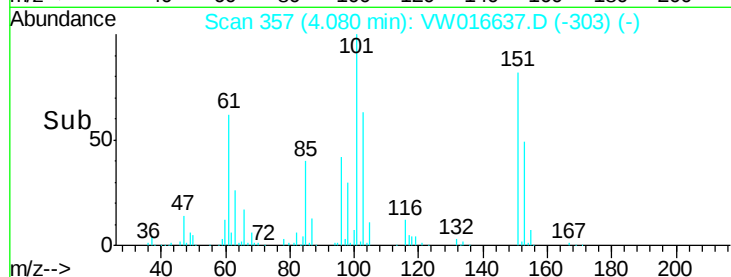
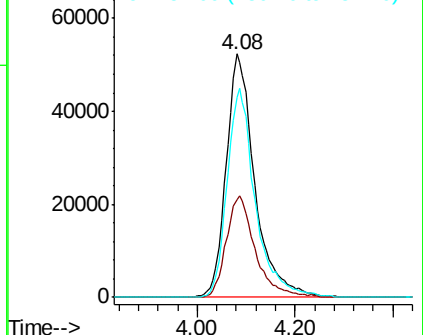
151 84.4 66.0 99.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.660 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

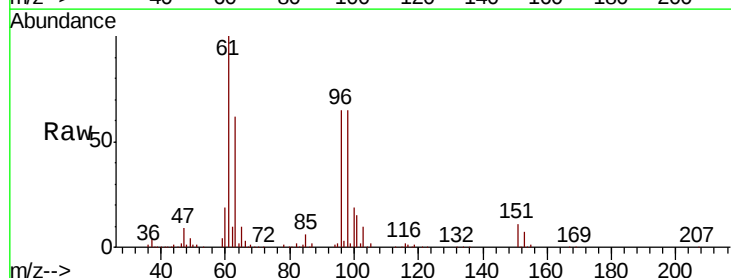
Tgt Ion: 96 Resp: 202662

Ion Ratio Lower Upper

96 100

61 152.7 111.4 206.8

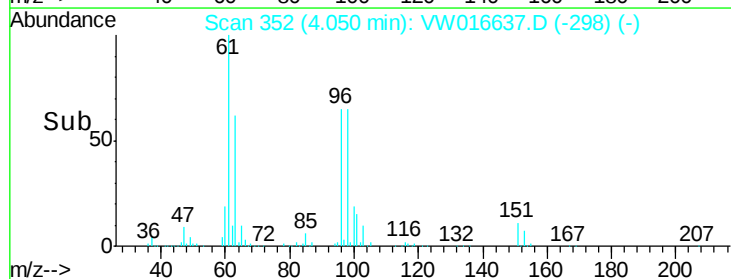
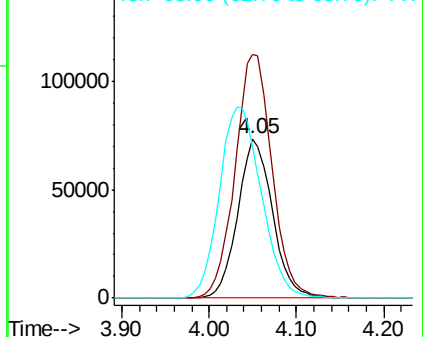
63 95.1 73.0 135.6

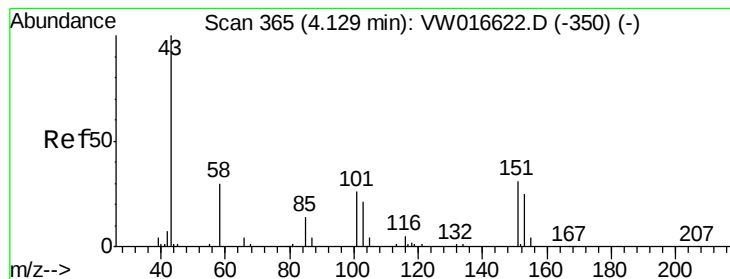


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 34.931 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampled :

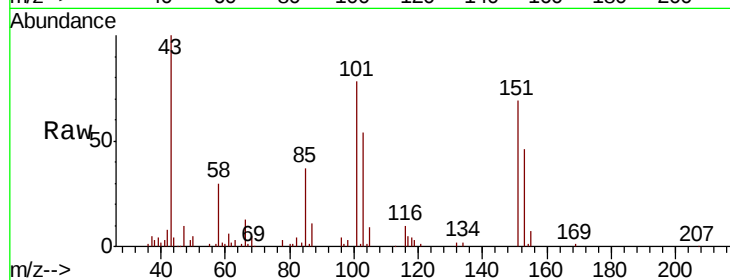
BFB01

Tot Ion: 43 Resp: 45025

Ion Ratio Lower Upper

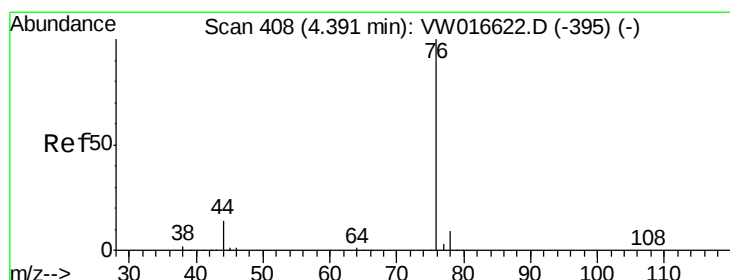
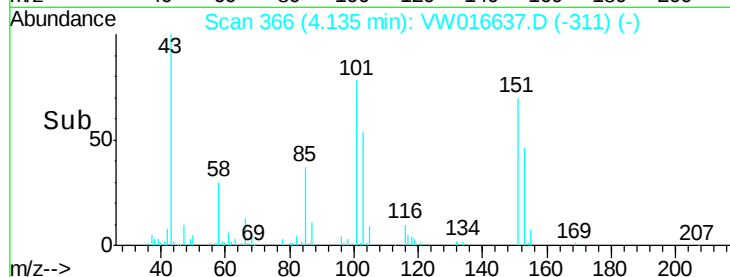
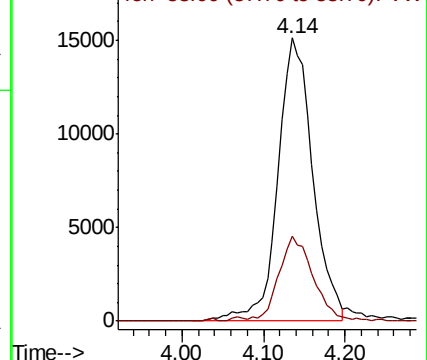
43 100

58 29.1 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.084 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016637.D

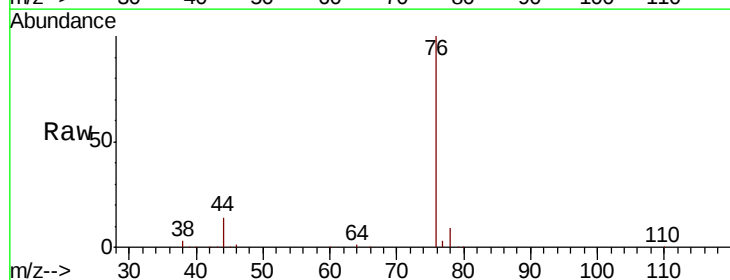
Acq: 24 Sep 2020 09:14

Tgt Ion: 76 Resp: 597682

Ion Ratio Lower Upper

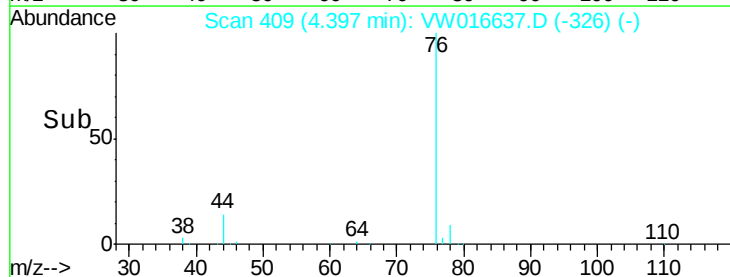
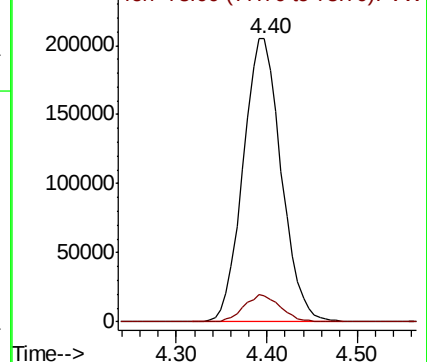
76 100

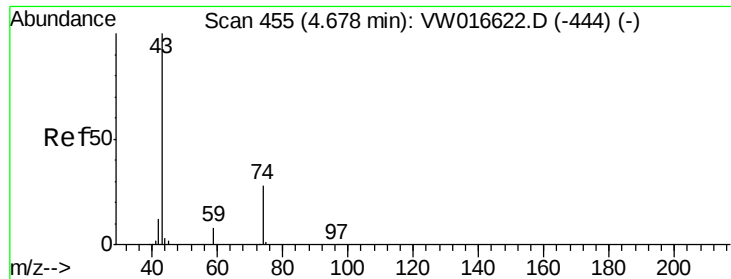
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

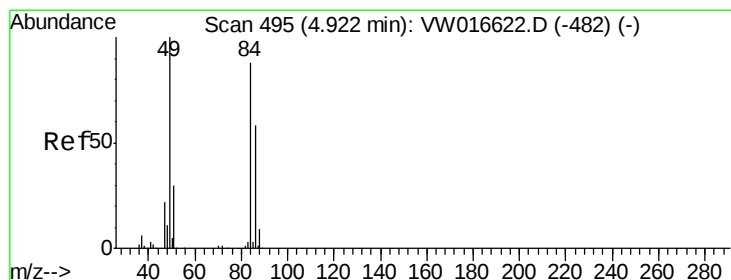
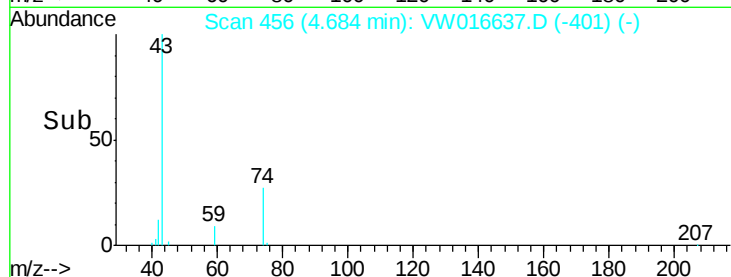
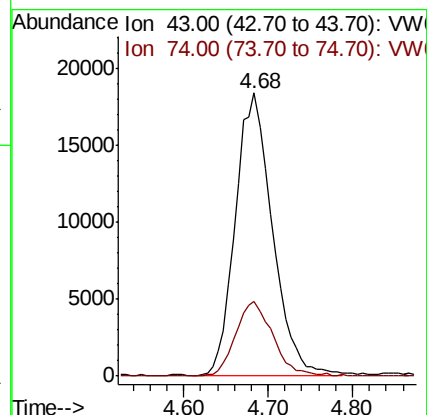
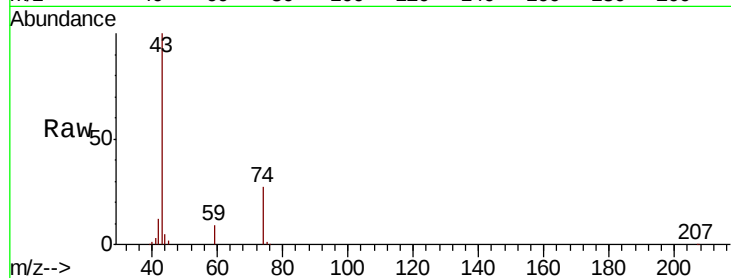




#15
Methyl Acetate
Concen: 18.607 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW016637.D
Acq: 24 Sep 2020 09:14

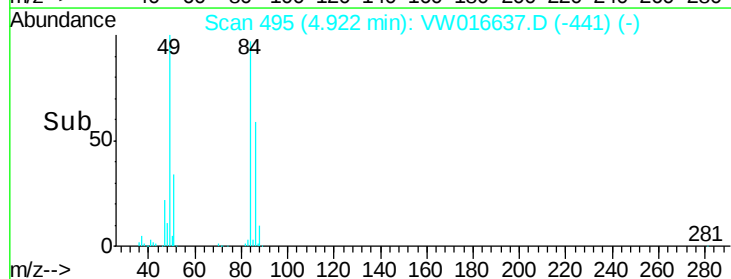
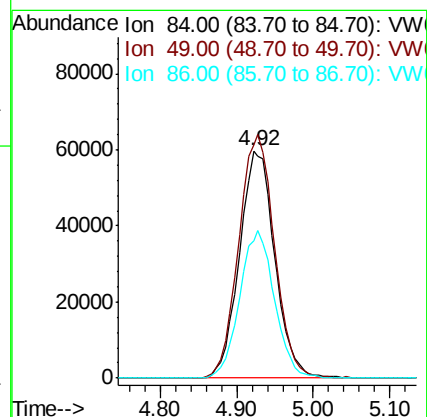
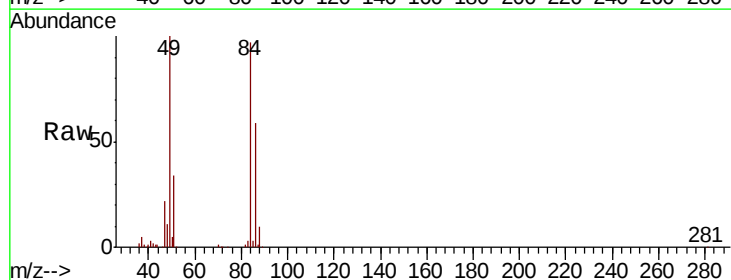
Instrument :
MSVOA_W
ClientSampled :
BFB01

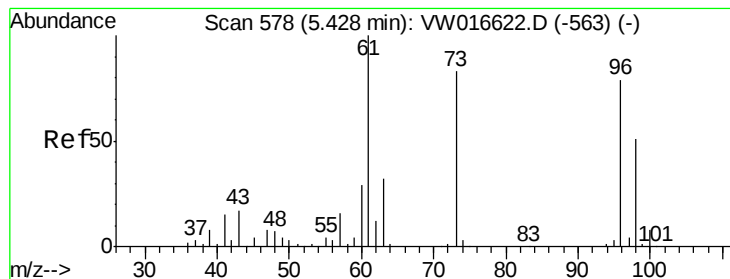
Tot Ion: 43 Resp: 54614
Ion Ratio Lower Upper
43 100
74 26.6 21.5 32.3



#16
Methylene chloride
Concen: 19.946 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016637.D
Acq: 24 Sep 2020 09:14

Tgt Ion: 84 Resp: 191816
Ion Ratio Lower Upper
84 100
49 102.8 76.0 141.2
86 60.3 45.6 84.6



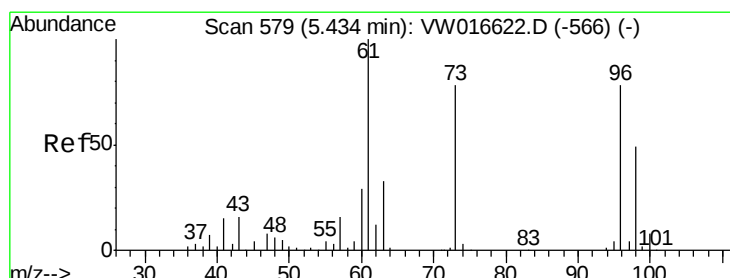
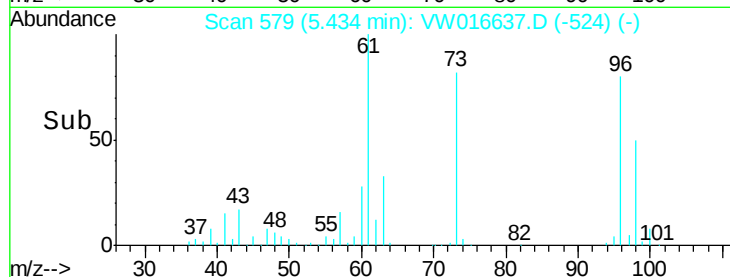
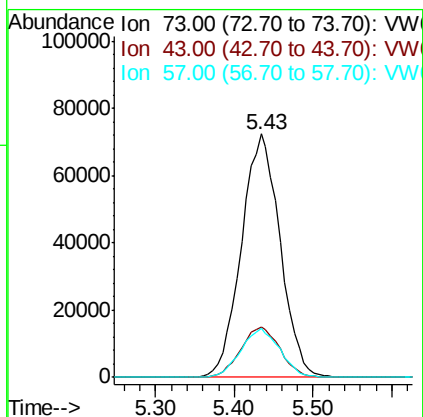
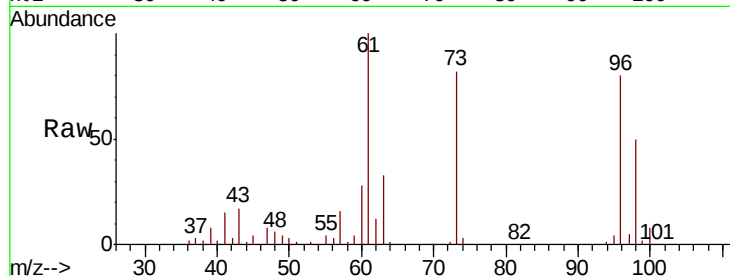


#17

Methvl tert-butvl Ether
 Concen: 22.804 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW016637.D
 Acq: 24 Sep 2020 09:14

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB01

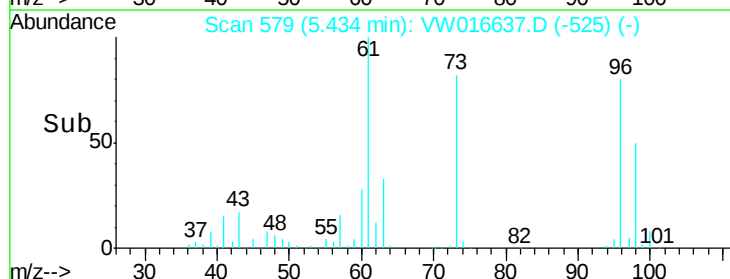
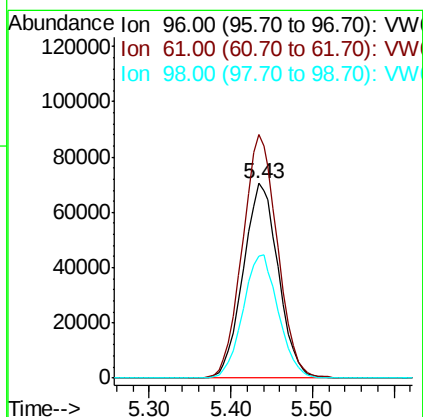
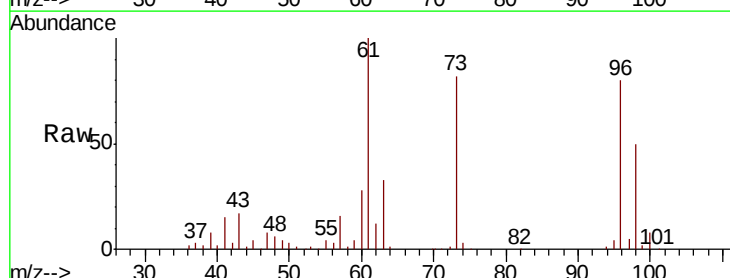
Tot Ion: 73 Resp: 246687
 Ion Ratio Lower Upper
 73 100
 43 21.1 17.2 25.8
 57 20.2 16.3 24.5

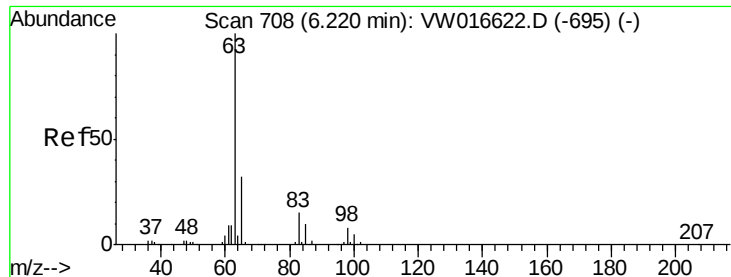


#18

trans-1,2-Dichloroethene
 Concen: 25.792 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW016637.D
 Acq: 24 Sep 2020 09:14

Tgt Ion: 96 Resp: 210956
 Ion Ratio Lower Upper
 96 100
 61 125.3 88.4 164.2
 98 62.7 43.0 80.0

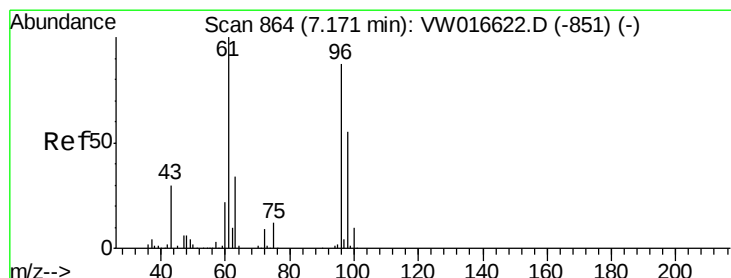
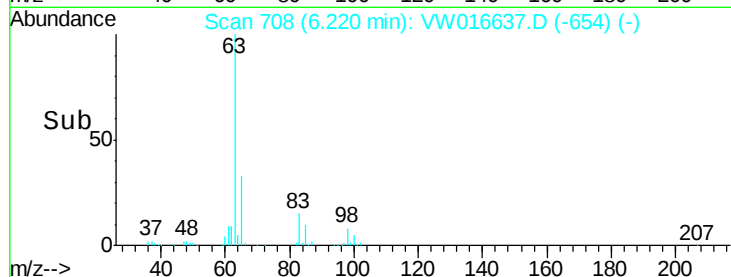
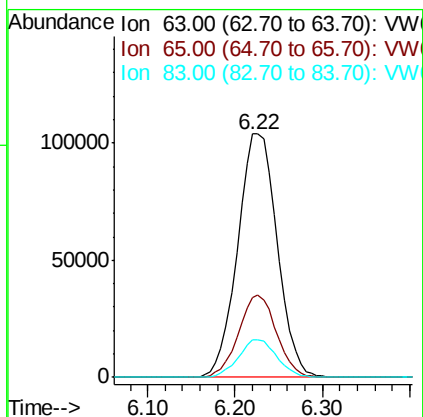
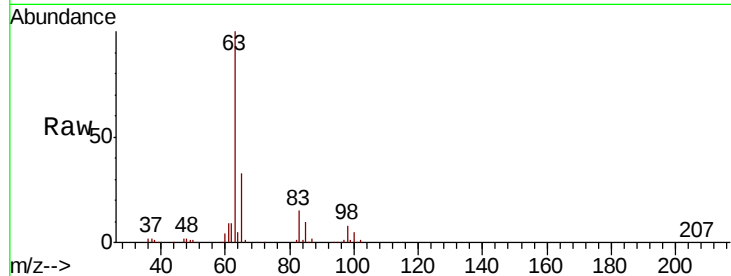




#19
 1,1-Dichloroethane
 Concen: 25.198 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW016637.D
 Acq: 24 Sep 2020 09:14

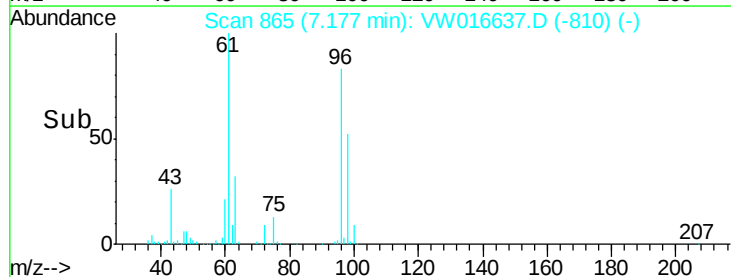
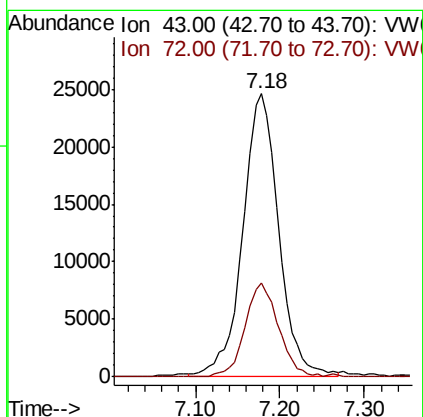
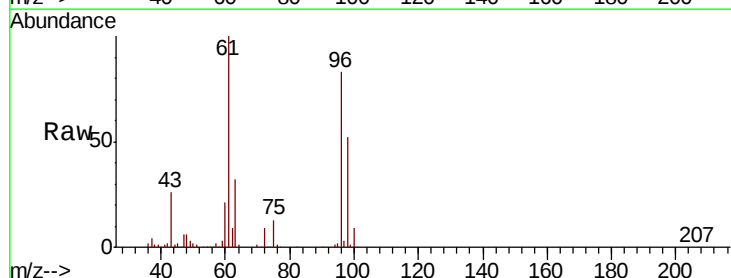
Instrument :
 MSVOA_W
 ClientSampled :
 BFB01

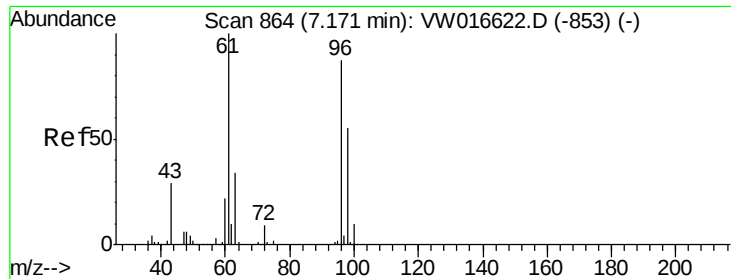
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	21.6	40.0
83	15.4	10.4	19.2



#21
 2-Butanone
 Concen: 32.549 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016637.D
 Acq: 24 Sep 2020 09:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	30.6	14.6	43.8



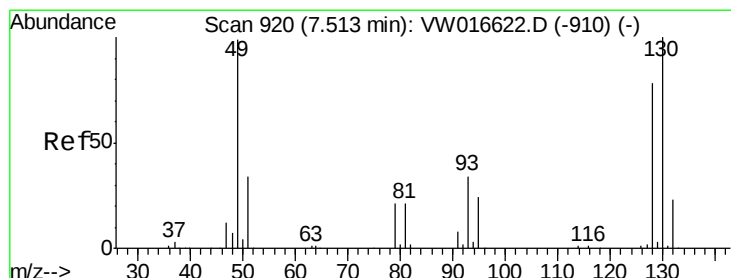
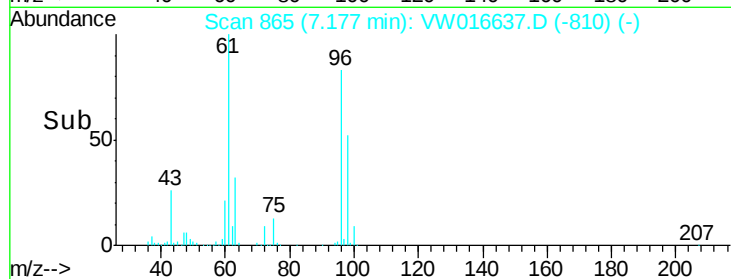
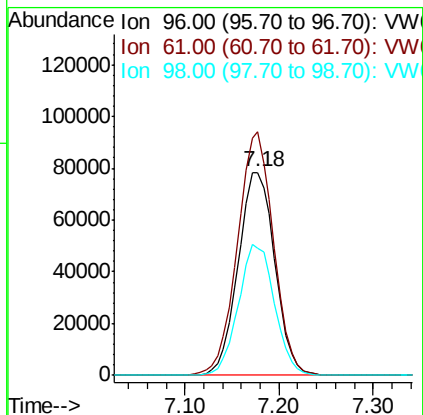
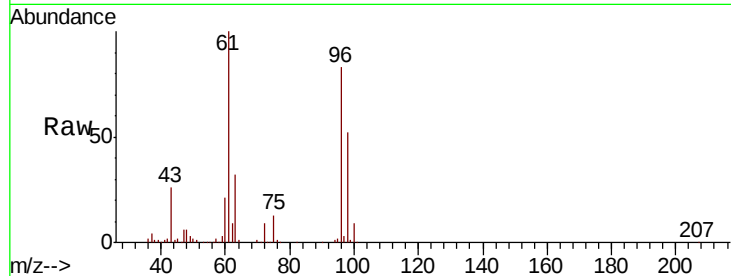


#22

cis-1,2-Dichloroethene
 Concen: 25.245 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016637.D
 Acq: 24 Sep 2020 09:14

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB01

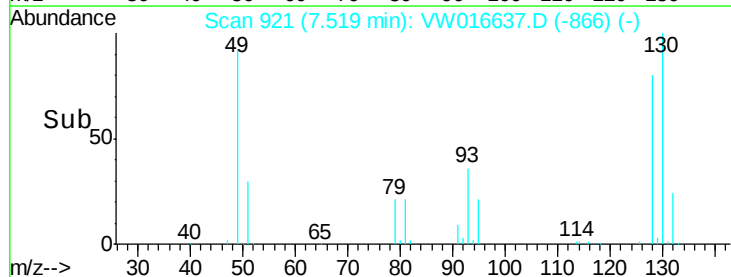
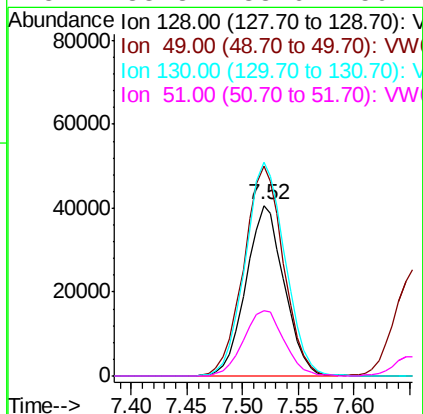
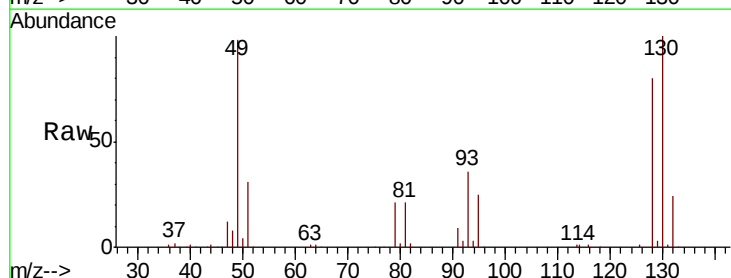
Tot Ion	Ratio	Lower	Upper
96	100		
61	119.8	78.4	145.6
98	62.3	44.8	83.2

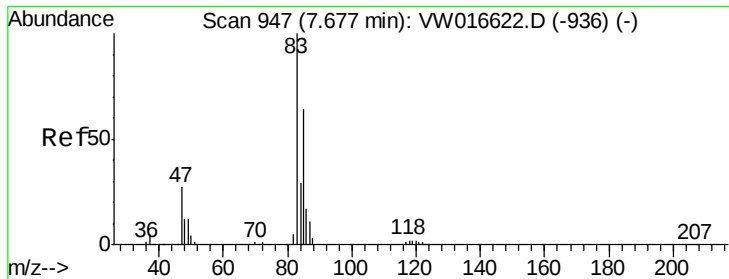


#23

Bromochloromethane
 Concen: 23.571 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW016637.D
 Acq: 24 Sep 2020 09:14

Tgt Ion	Ratio	Lower	Upper
128	100		
49	122.9	92.1	171.1
130	125.2	87.8	163.0
51	38.3	33.6	50.4





#25

Chloroform

Concen: 25.385 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampleId :

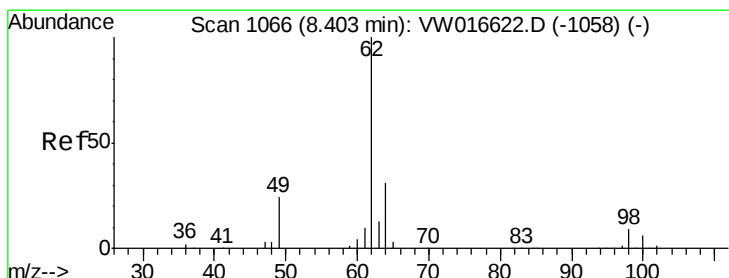
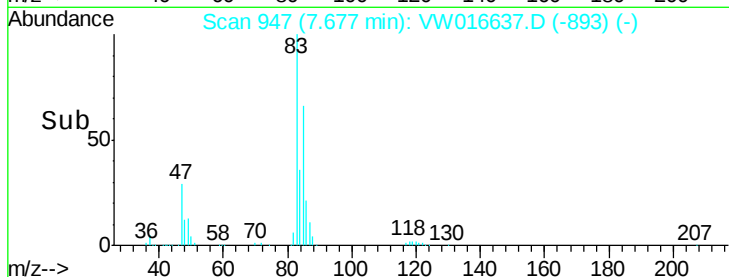
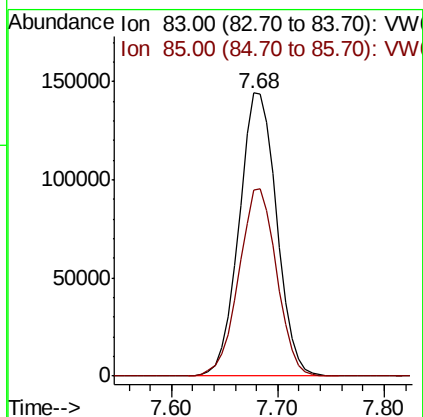
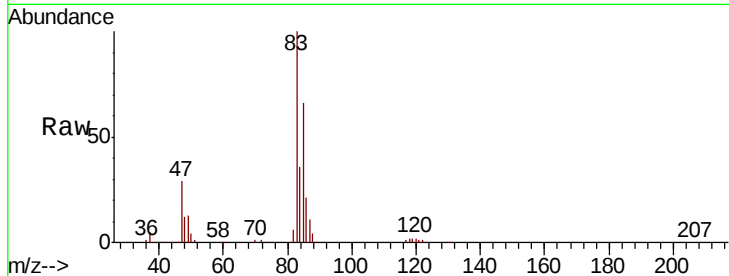
BFB01

Tot Ion: 83 Resp: 357976

Ion Ratio Lower Upper

83 100

85 66.8 46.1 85.5



#27

1,2-Dichloroethane

Concen: 23.304 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016637.D

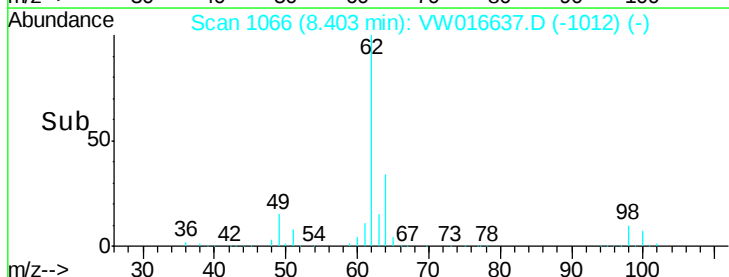
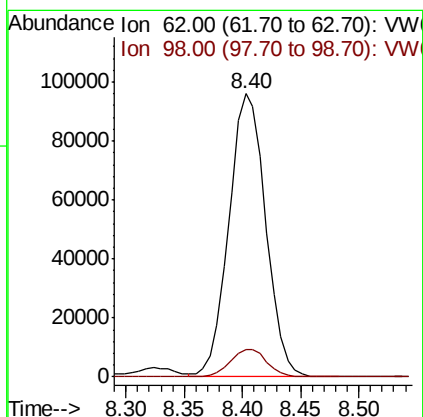
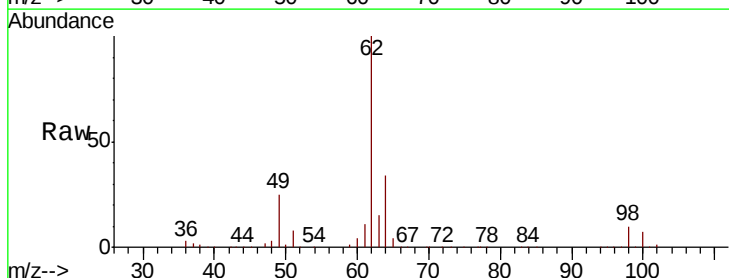
Acq: 24 Sep 2020 09:14

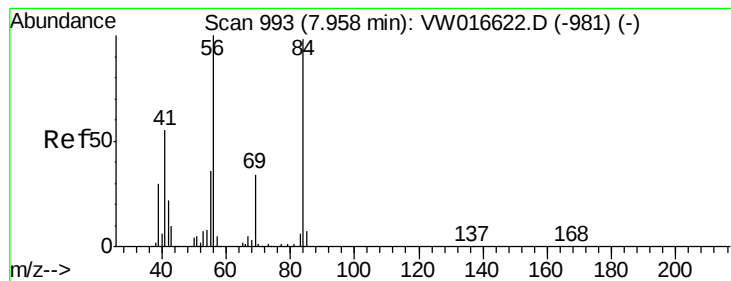
Tgt Ion: 62 Resp: 210857

Ion Ratio Lower Upper

62 100

98 9.8 7.9 11.9





#30

Cvclohexane

Concen: 25.354 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampleId :

BFB01

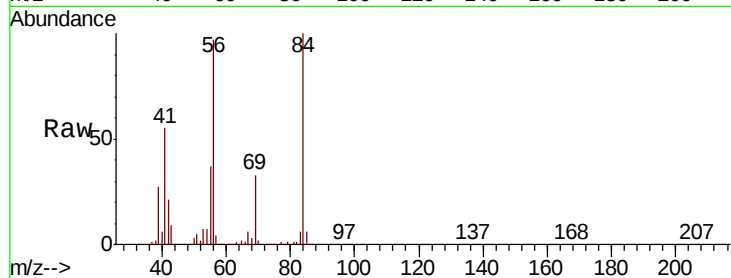
Tot Ion: 56 Resp: 305989

Ion Ratio Lower Upper

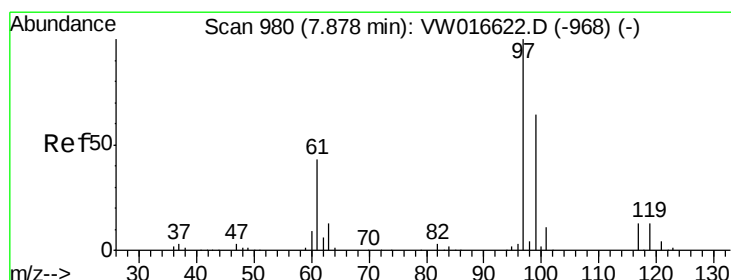
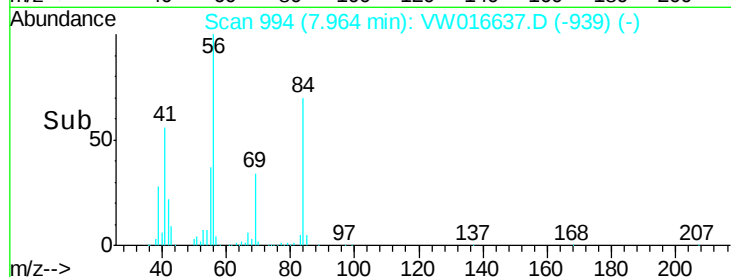
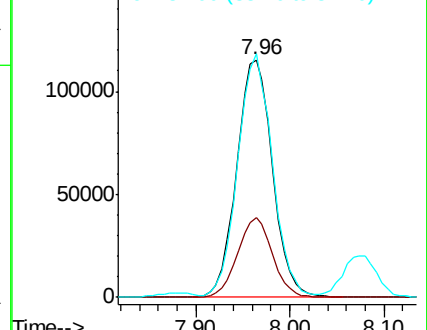
56 100

69 32.6 26.5 39.7

84 99.3 79.0 118.6



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



#31

1,1,1-Trichloroethane

Concen: 26.191 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

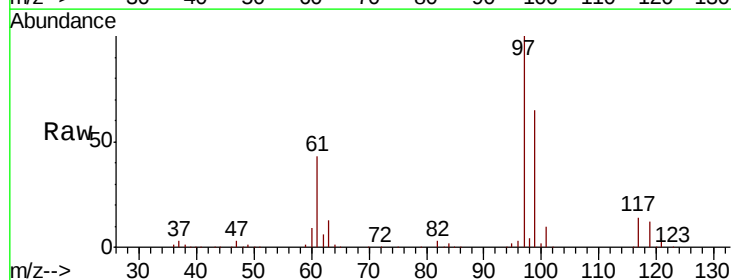
Tgt Ion: 97 Resp: 337811

Ion Ratio Lower Upper

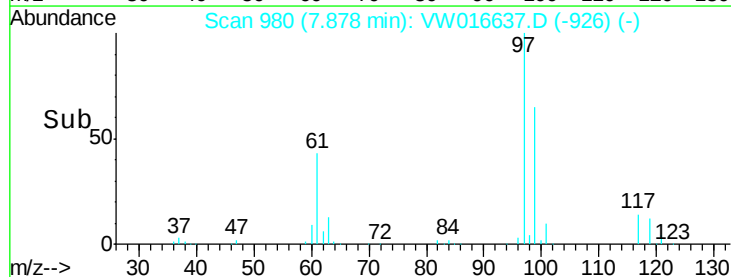
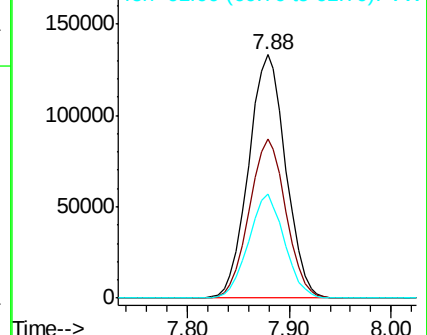
97 100

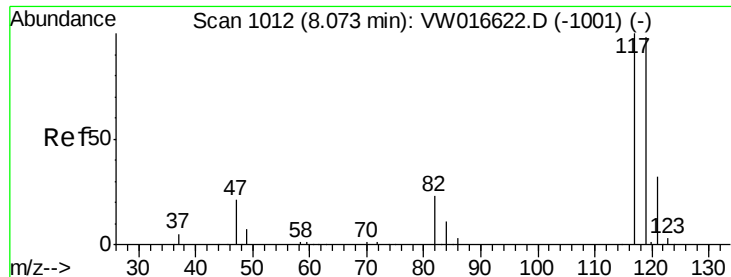
99 64.6 51.8 77.6

61 41.2 33.6 50.4



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 26.071 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampled :

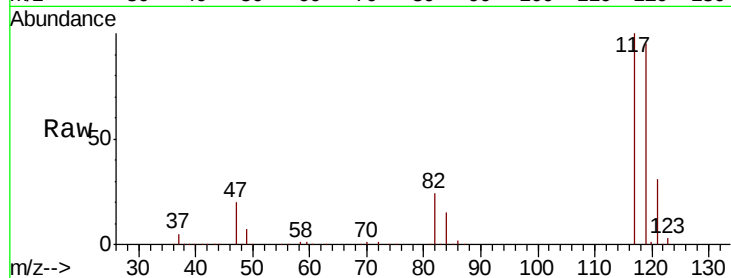
BFB01

Tot Ion:117 Resp: 326695

Ion Ratio Lower Upper

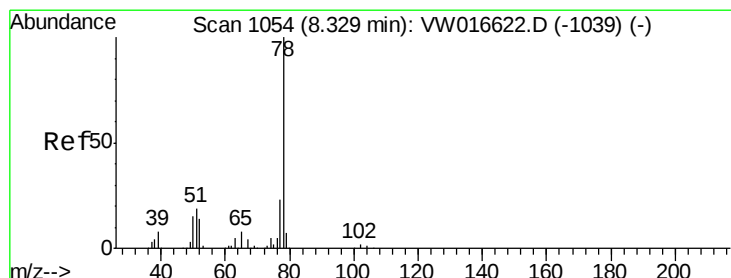
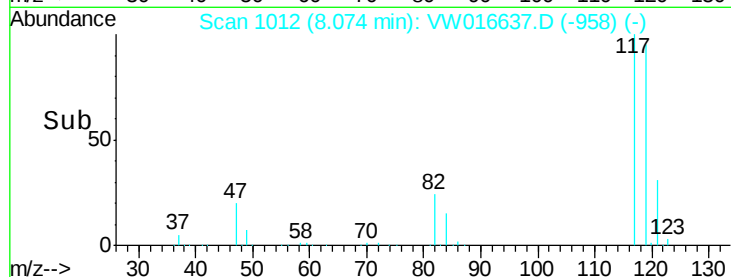
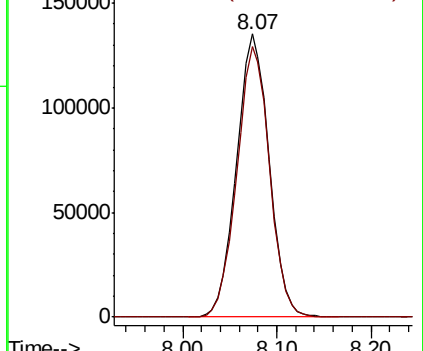
117 100

119 95.5 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.378 ug/L

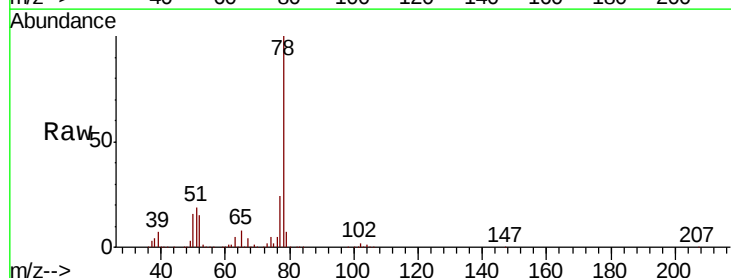
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

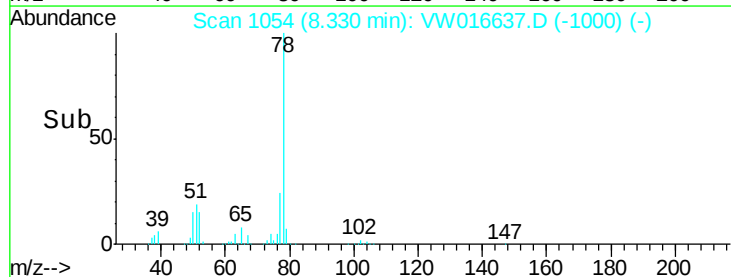
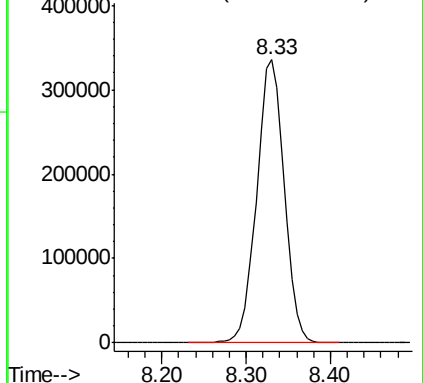
Lab File: VW016637.D

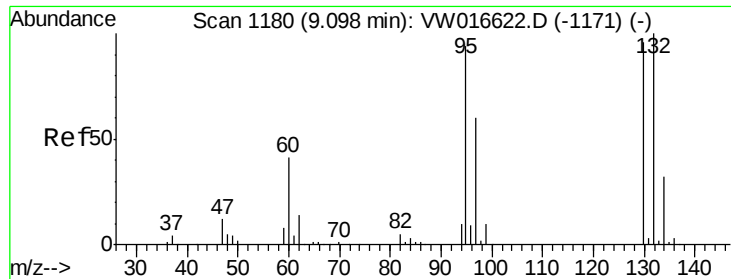
Acq: 24 Sep 2020 09:14

Tgt Ion: 78 Resp: 751208



Abundance Ion 78.00 (77.70 to 78.70): VW

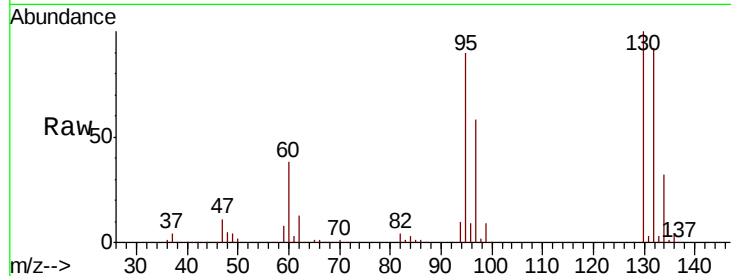




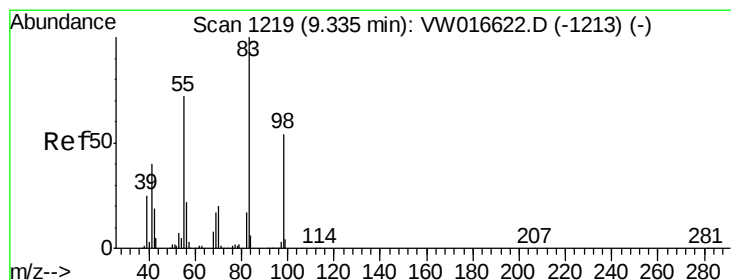
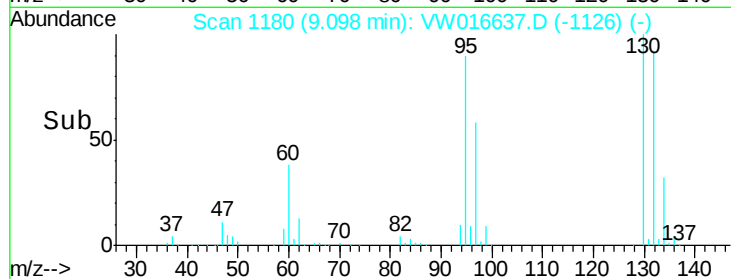
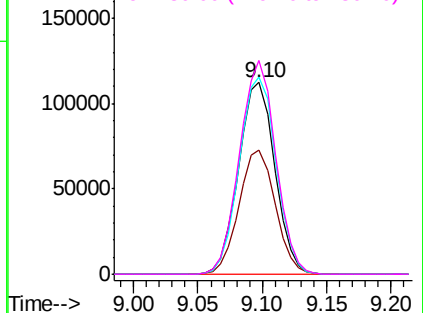
#35
 Trichloroethene
 Concen: 25.650 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW016637.D
 Acq: 24 Sep 2020 09:14

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB01

Tot Ion:	95	Resp:	219670
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.2	84.0
132	104.5	73.3	136.1
130	110.8	77.5	143.9

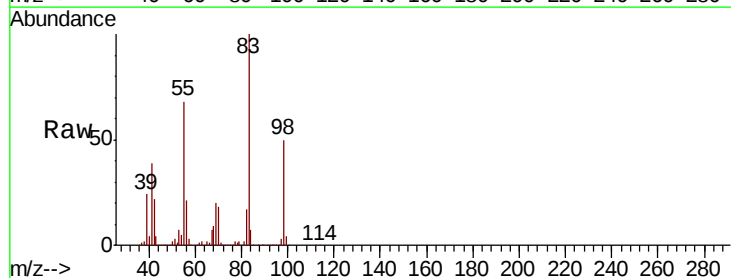


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

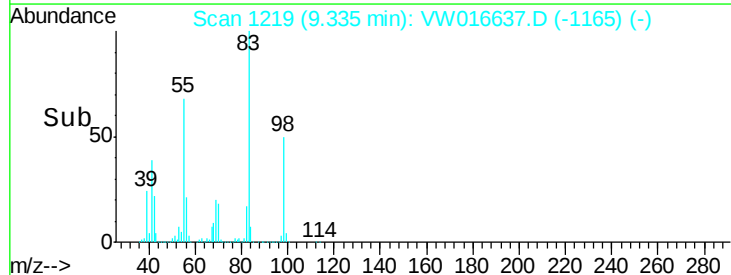
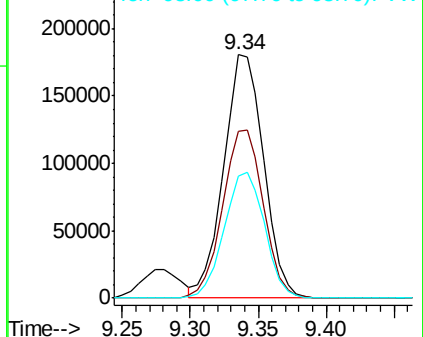


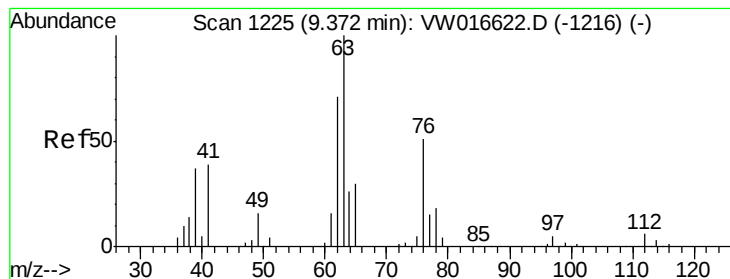
#36
 Methylcyclohexane
 Concen: 25.474 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016637.D
 Acq: 24 Sep 2020 09:14

Tgt Ion:	83	Resp:	370037
Ion	Ratio	Lower	Upper
83	100		
55	69.7	55.9	83.9
98	52.1	42.1	63.1



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: 24.231 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampleId :

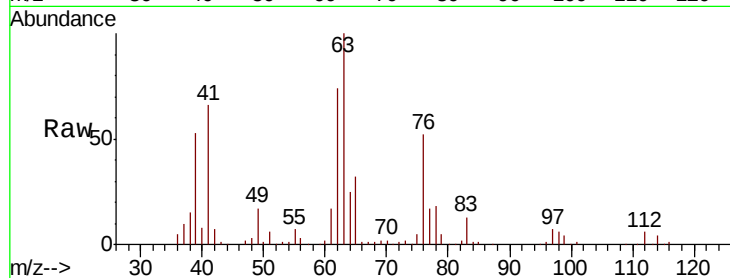
BFB01

Tot Ion: 63 Resp: 166817

Ion Ratio Lower Upper

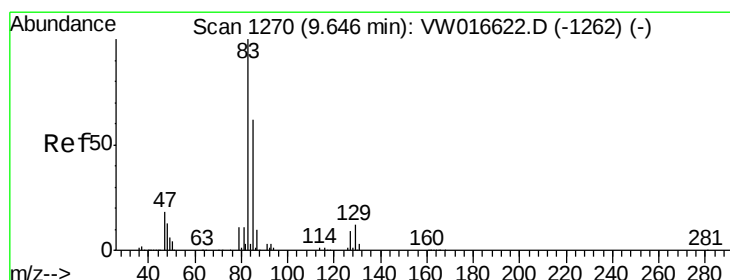
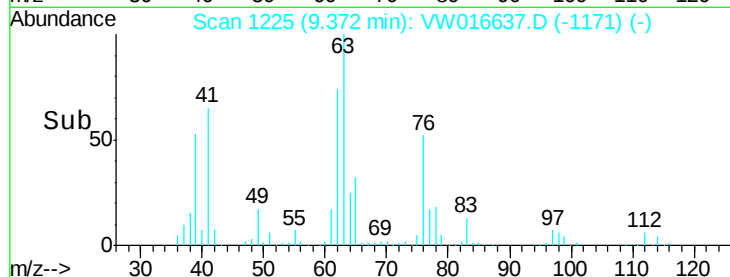
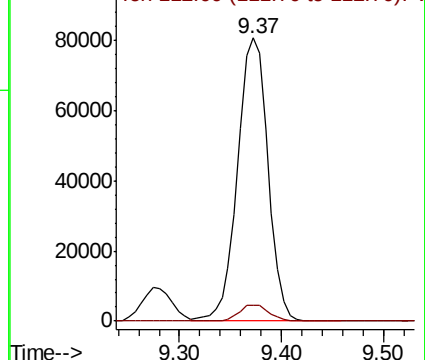
63 100

112 5.6 4.5 6.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.445 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

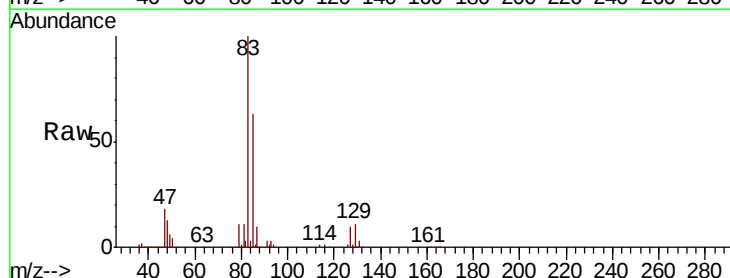
Tgt Ion: 83 Resp: 249390

Ion Ratio Lower Upper

83 100

85 63.5 46.8 86.8

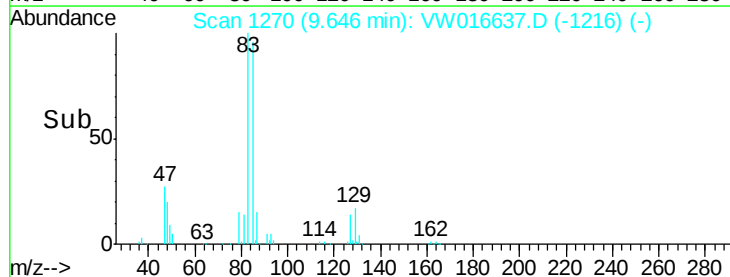
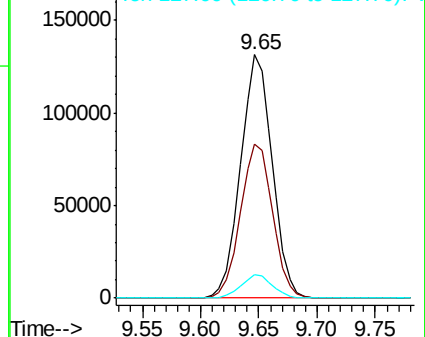
127 9.5 6.8 10.2

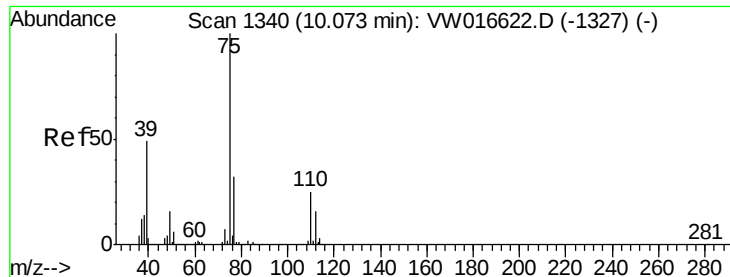


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.076 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampleId :

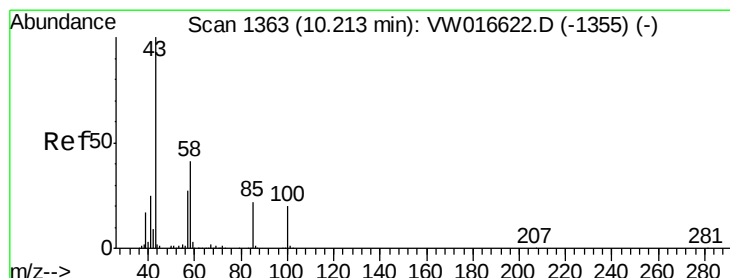
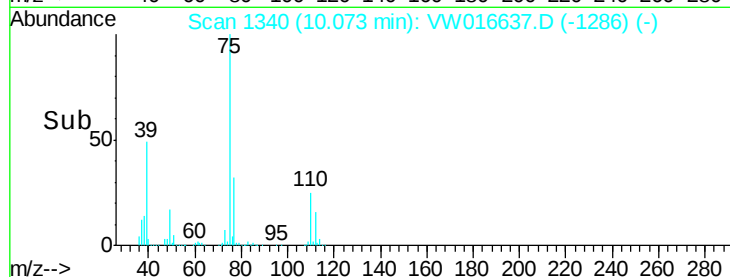
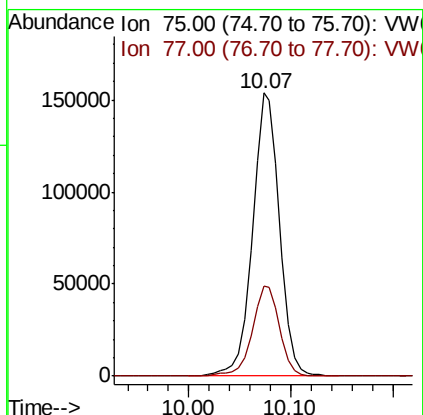
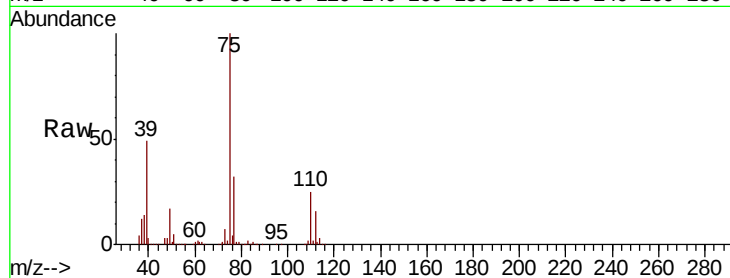
BFB01

Tot Ion: 75 Resp: 283124

Ion Ratio Lower Upper

75 100

77 31.8 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 36.038 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

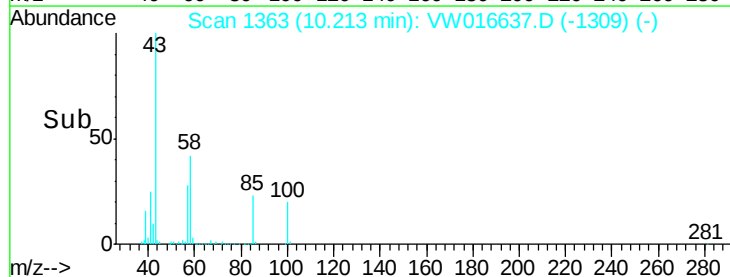
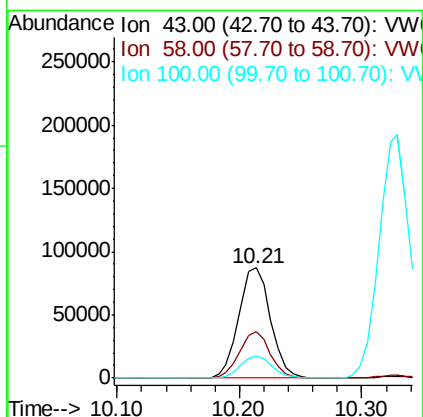
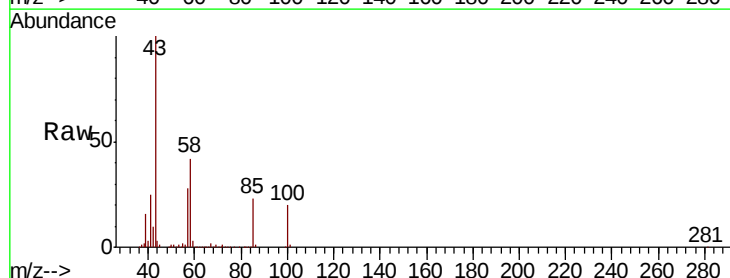
Tgt Ion: 43 Resp: 157633

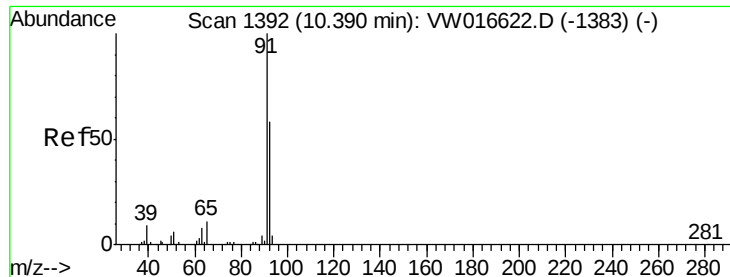
Ion Ratio Lower Upper

43 100

58 40.4 32.2 48.4

100 20.2 15.8 23.6





#44

Toluene

Concen: 25.493 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampled :

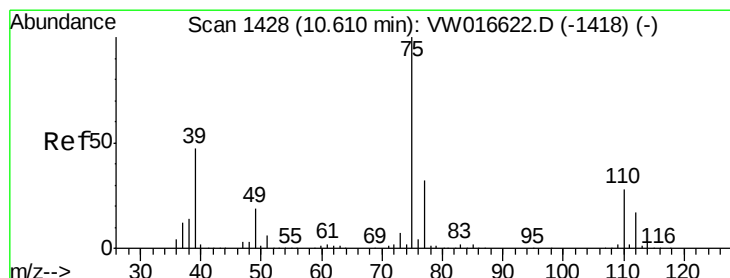
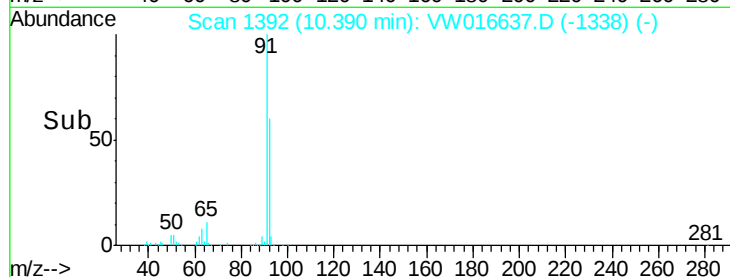
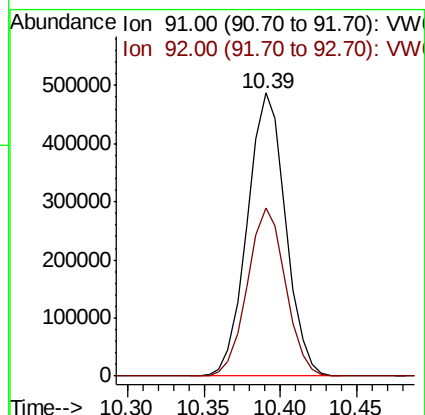
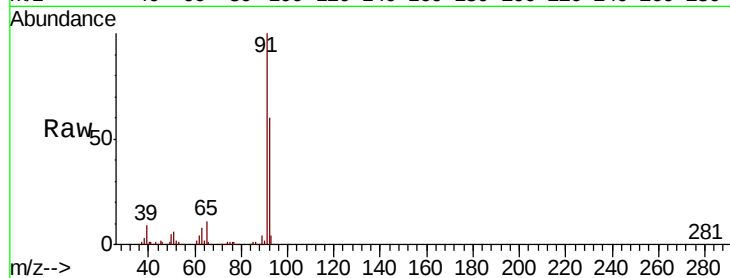
BFB01

Tot Ion: 91 Resp: 848515

Ion Ratio Lower Upper

91 100

92 59.6 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 23.209 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016637.D

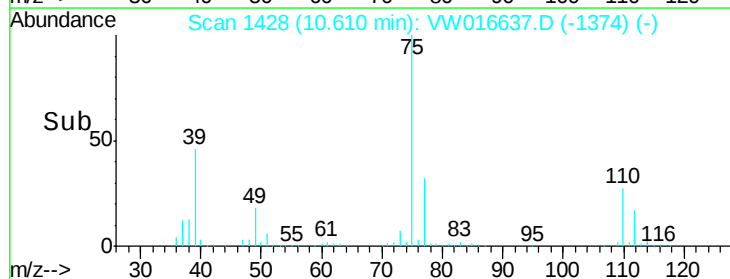
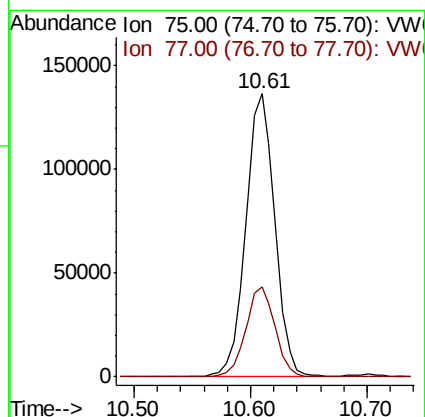
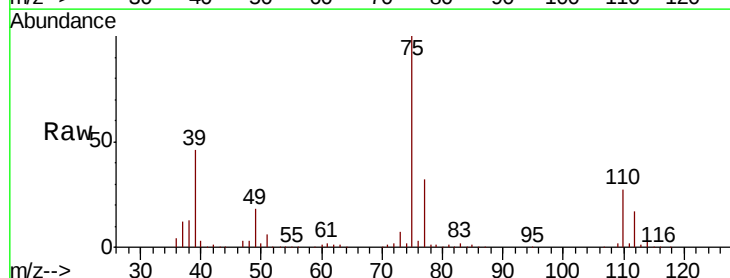
Acq: 24 Sep 2020 09:14

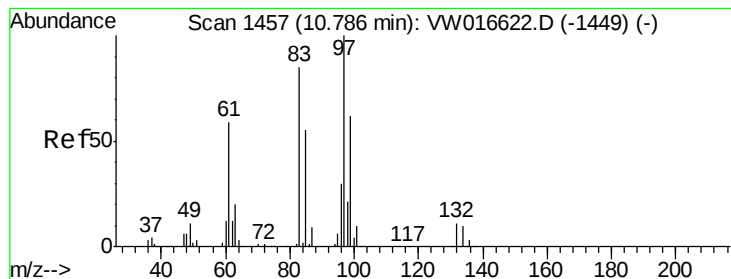
Tgt Ion: 75 Resp: 237456

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 22.669 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampled :

BFB01

Tot Ion: 97 Resp: 131474

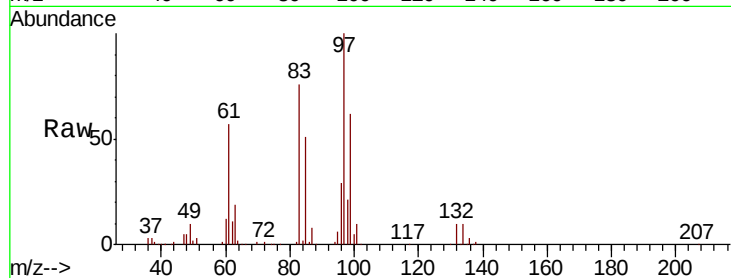
Ion Ratio Lower Upper

97 100

83 76.1 55.7 103.5

85 51.1 36.8 68.4

99 61.8 43.7 81.1



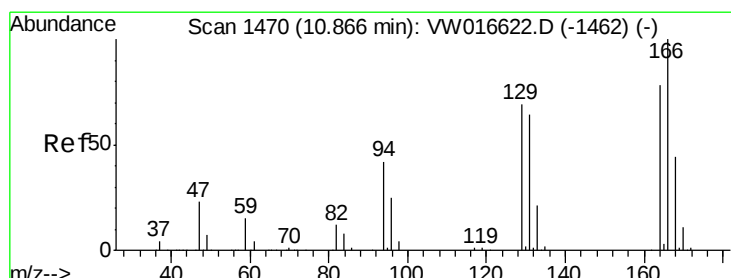
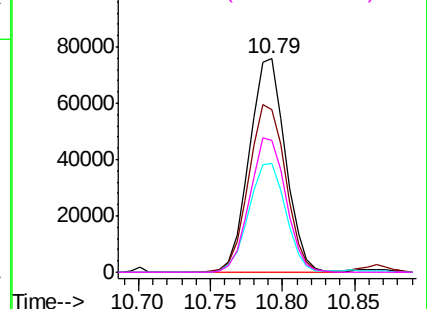
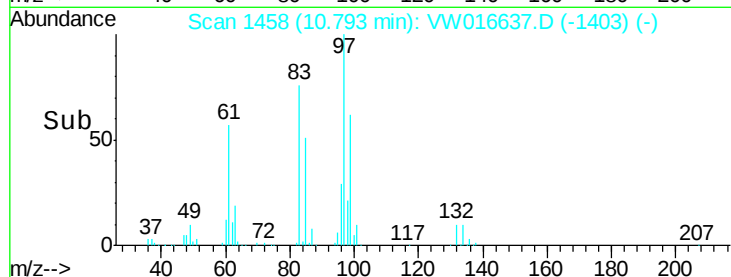
Abundance

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: 26.264 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Tgt Ion: 164 Resp: 203106

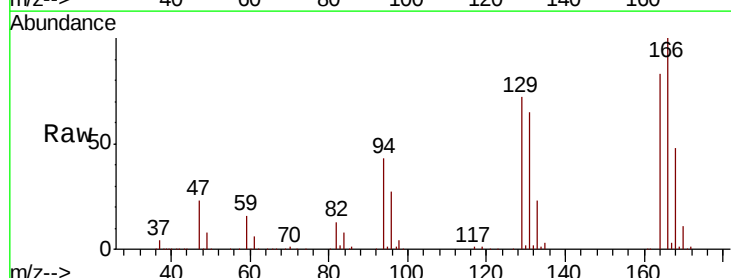
Ion Ratio Lower Upper

164 100

129 87.0 55.6 103.2

131 78.6 57.2 106.2

166 121.1 86.5 160.6



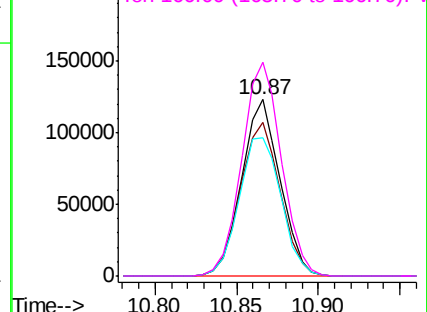
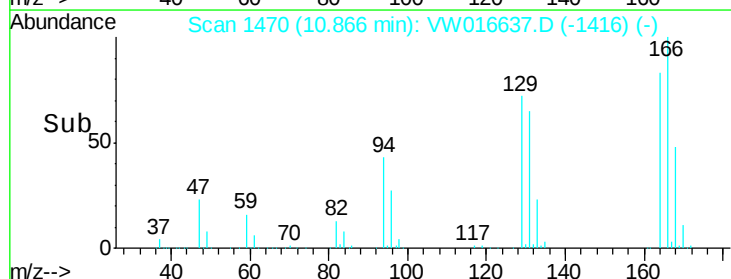
Abundance

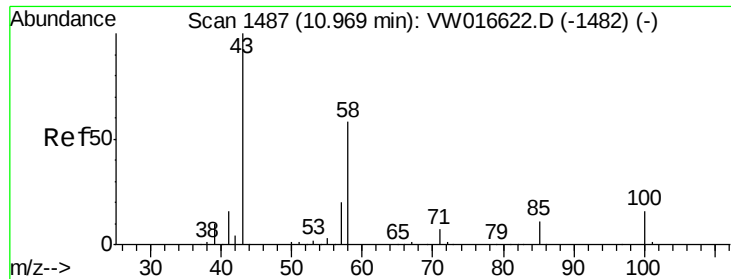
Ion 164.00 (163.70 to 164.70): V

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

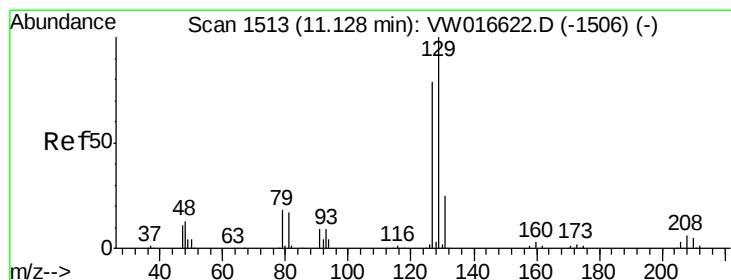
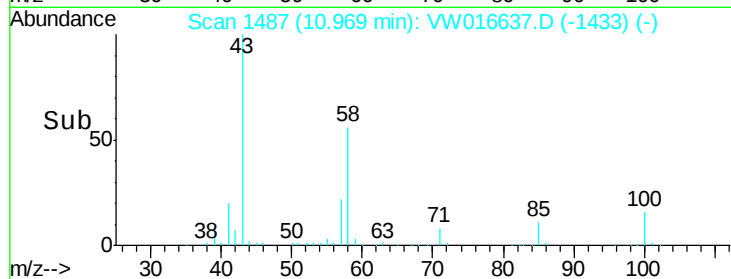
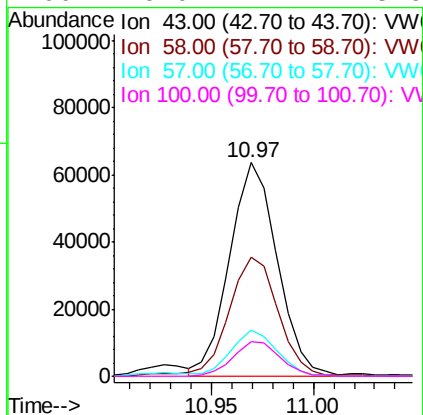
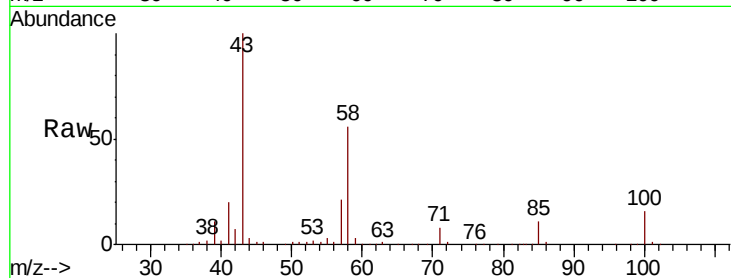




#49
2-Hexanone
Concen: 37.279 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016637.D
Acq: 24 Sep 2020 09:14

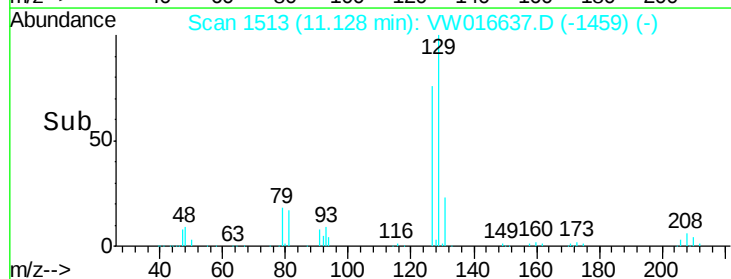
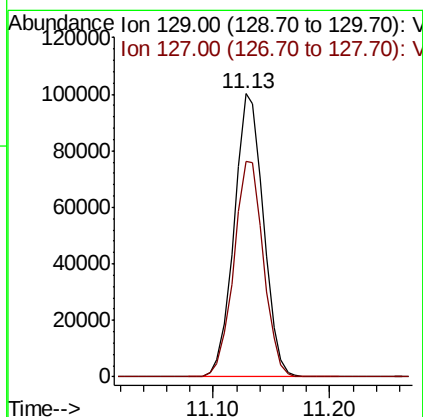
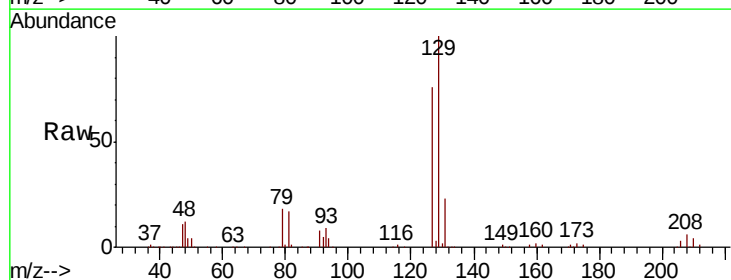
Instrument :
MSVOA_W
ClientSampleId :
BFB01

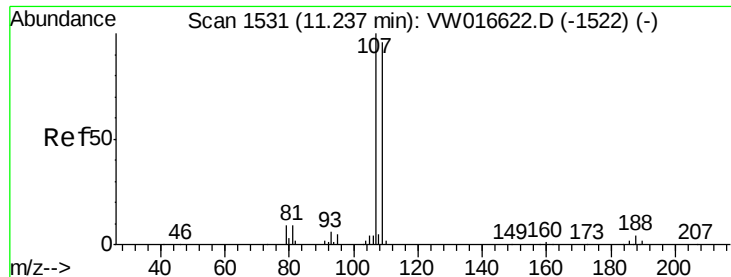
Tot Ion: 43 Resp: 103485
Ion Ratio Lower Upper
43 100
58 57.5 44.2 66.2
57 20.9 16.3 24.5
100 16.0 12.4 18.6



#50
Dibromochloromethane
Concen: 23.222 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016637.D
Acq: 24 Sep 2020 09:14

Tgt Ion: 129 Resp: 175843
Ion Ratio Lower Upper
129 100
127 76.3 52.4 97.4

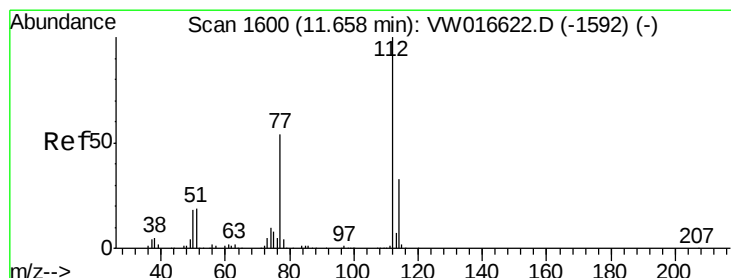
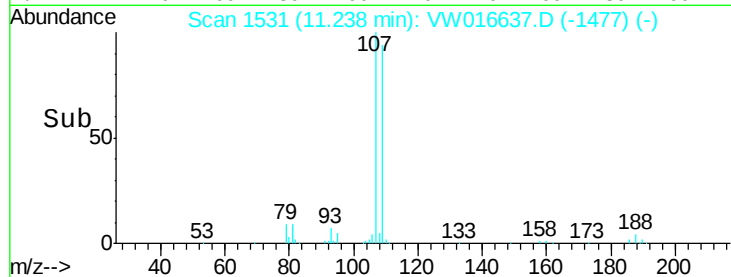
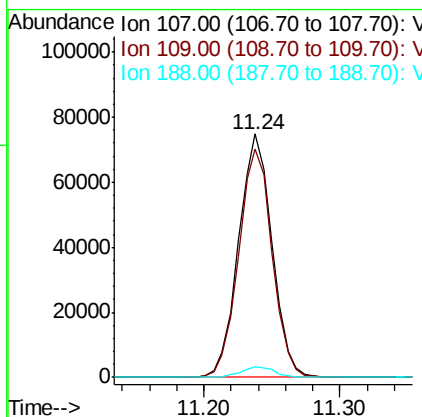
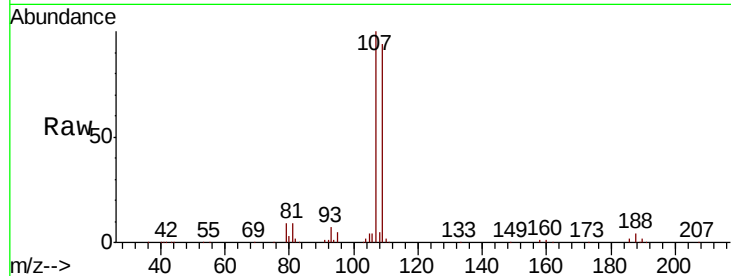




#51
1,2-Dibromoethane
Concen: 22.090 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016637.D
Acq: 24 Sep 2020 09:14

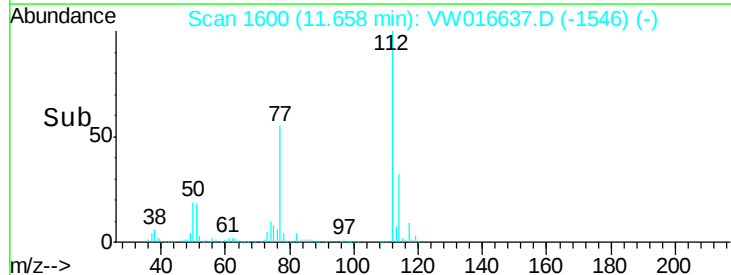
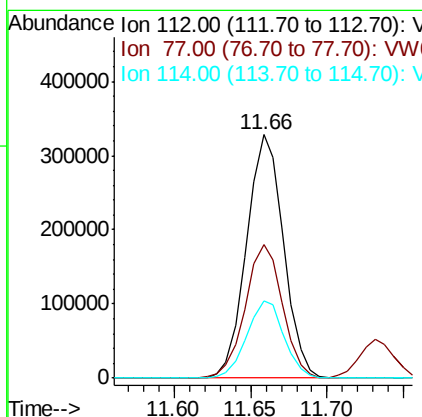
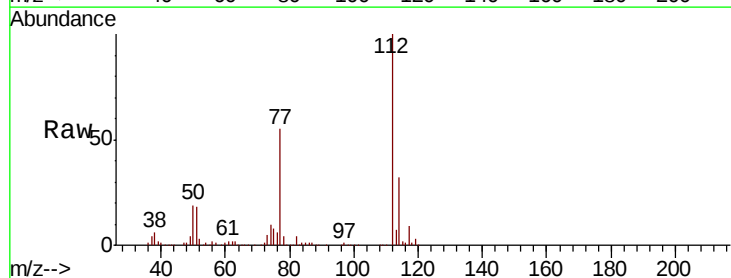
Instrument :
MSVOA_W
ClientSampleId :
BFB01

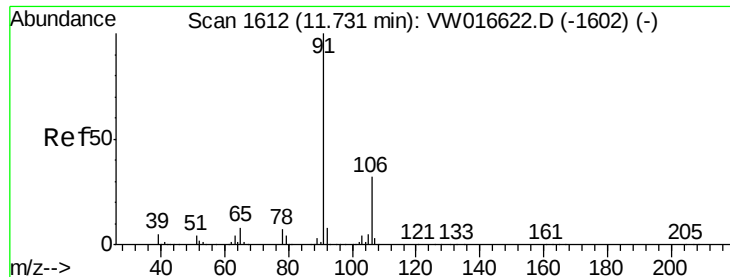
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	63.0	117.0
188	4.2	3.1	4.7



#52
Chlorobenzene
Concen: 24.692 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016637.D
Acq: 24 Sep 2020 09:14

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.1	43.1	64.7
114	31.6	22.3	41.3





#53

Ethylbenzene

Concen: 25.695 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampleId :

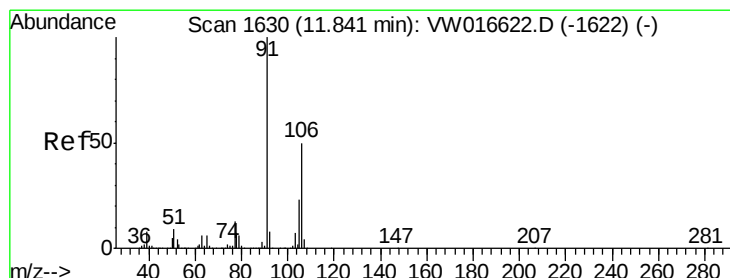
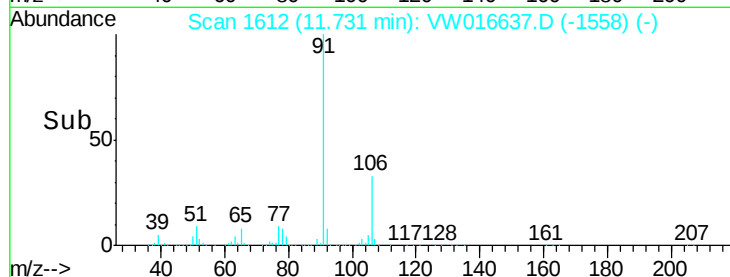
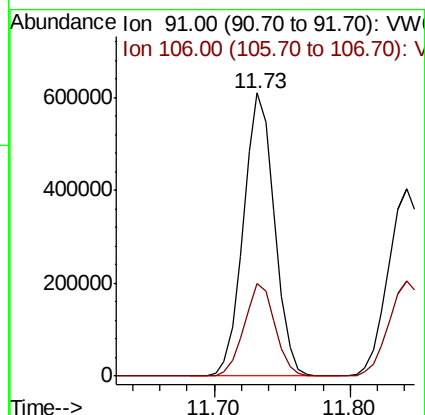
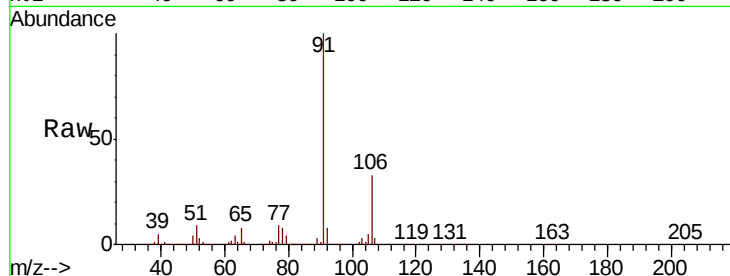
BFB01

Tot Ion: 91 Resp: 970997

Ion Ratio Lower Upper

91 100

106 32.9 20.7 38.5



#54

m,p-Xylene

Concen: 25.748 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016637.D

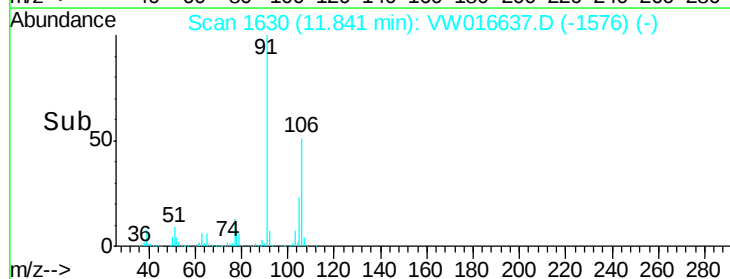
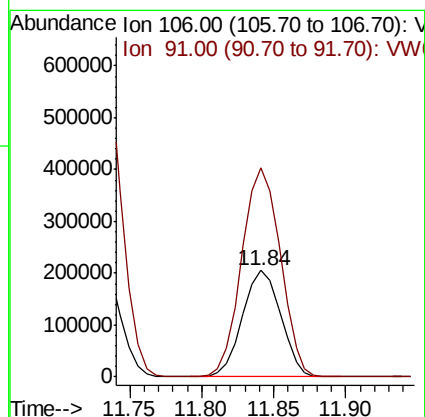
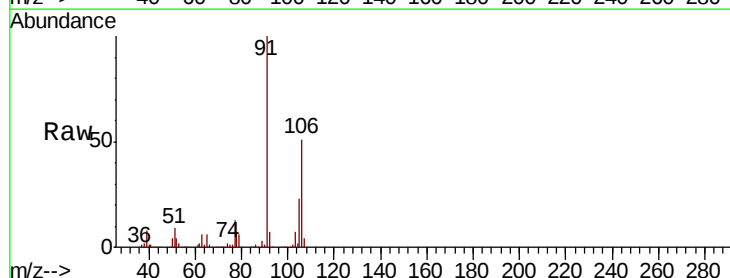
Acq: 24 Sep 2020 09:14

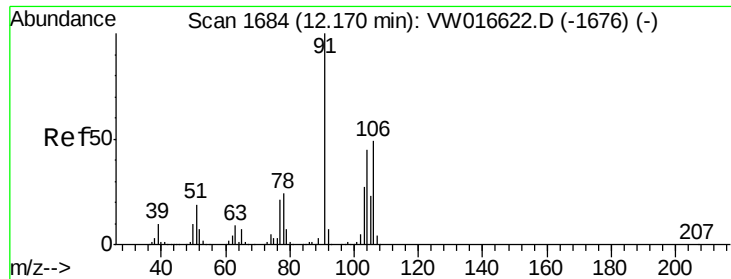
Tgt Ion: 106 Resp: 380994

Ion Ratio Lower Upper

106 100

91 196.6 139.7 259.5





#55

o-xylene

Concen: 24.967 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampleId :

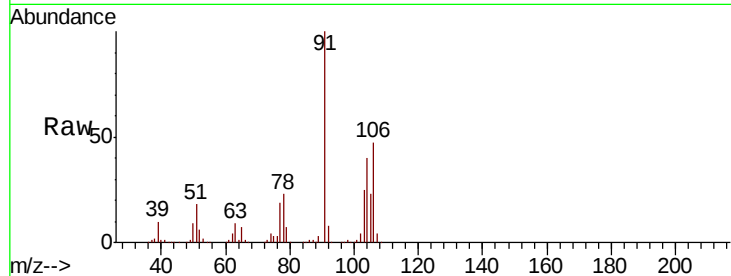
BFB01

Tot Ion:106 Resp: 353941

Ion Ratio Lower Upper

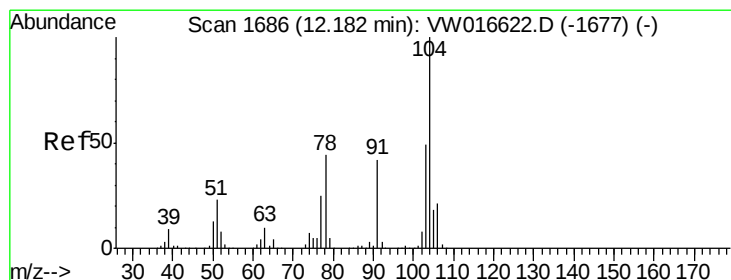
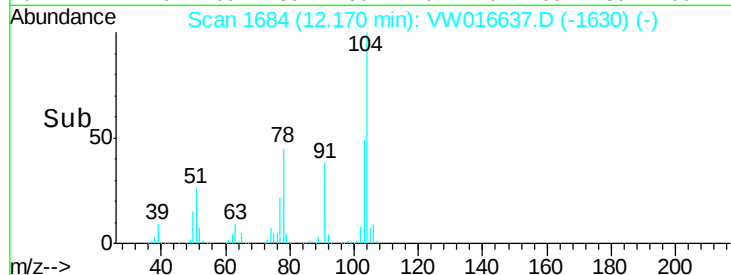
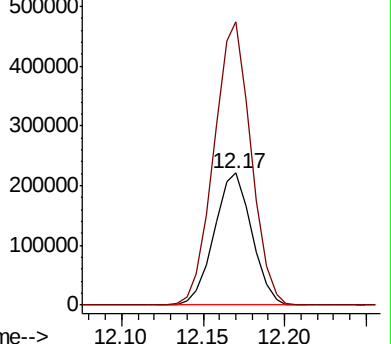
106 100

91 214.2 144.8 268.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.369 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016637.D

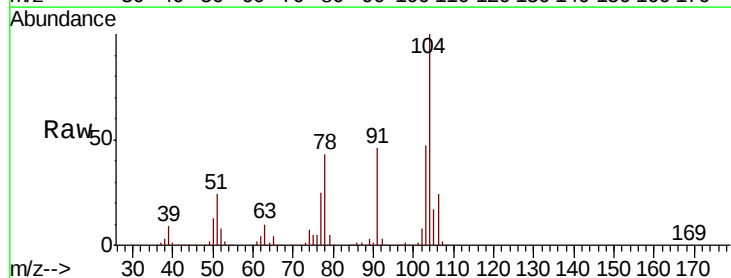
Acq: 24 Sep 2020 09:14

Tgt Ion:104 Resp: 597197

Ion Ratio Lower Upper

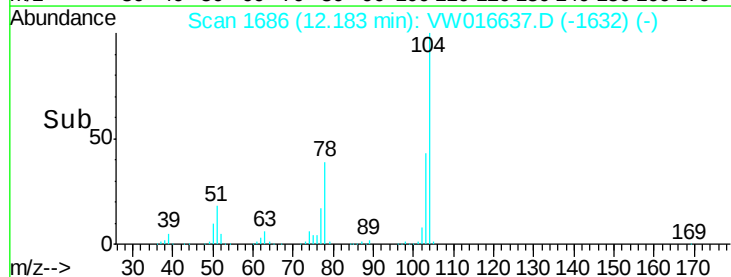
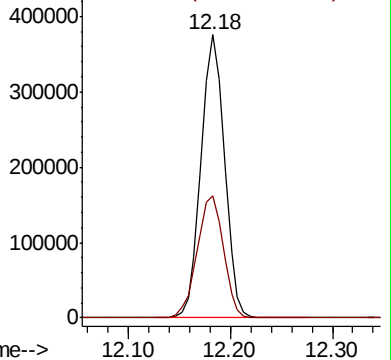
104 100

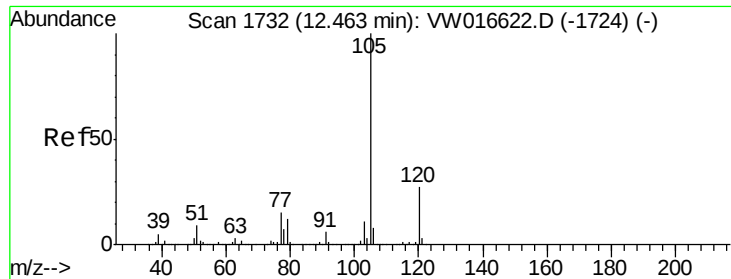
78 43.2 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.779 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampleId :

BFB01

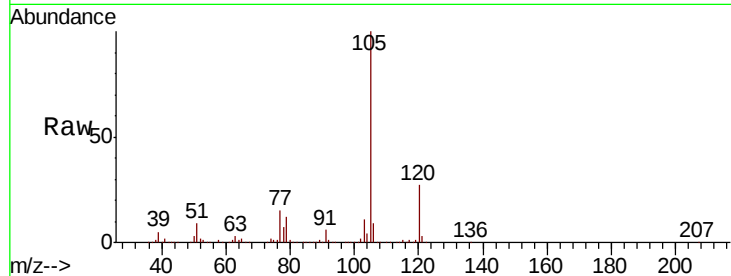
Tot Ion:105 Resp: 998584

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.8

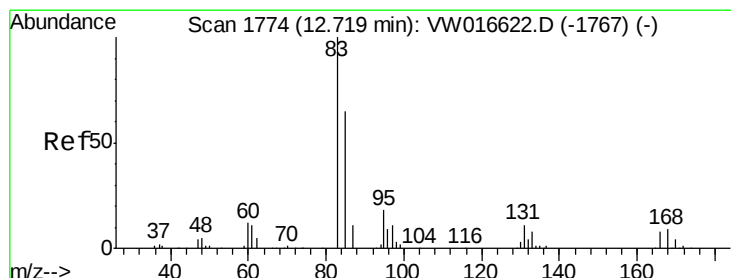
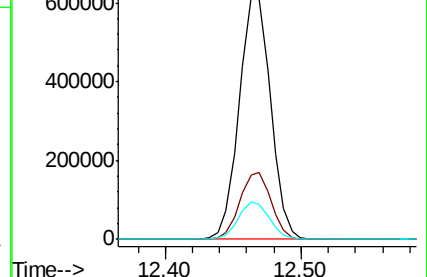
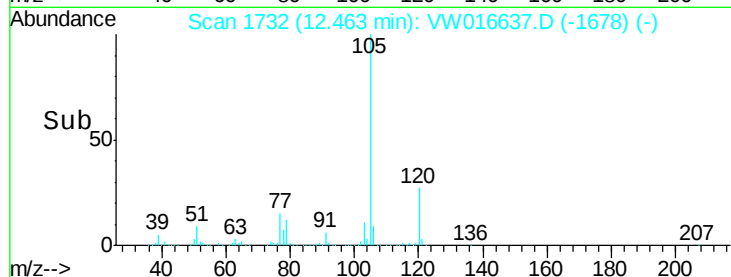
77 15.1 12.2 18.2



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: 20.548 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

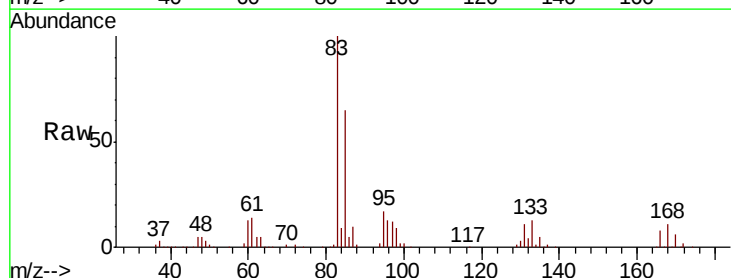
Tgt Ion: 83 Resp: 133267

Ion Ratio Lower Upper

83 100

85 65.4 46.0 85.4

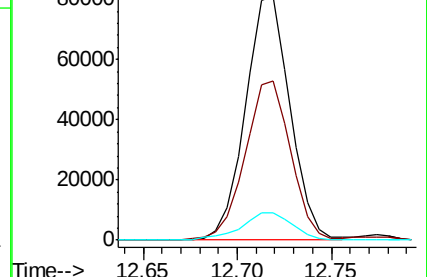
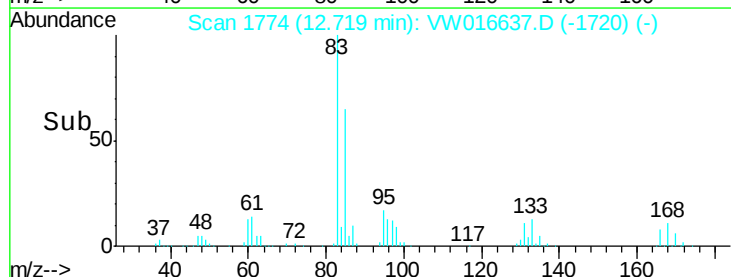
131 11.1 9.0 13.6

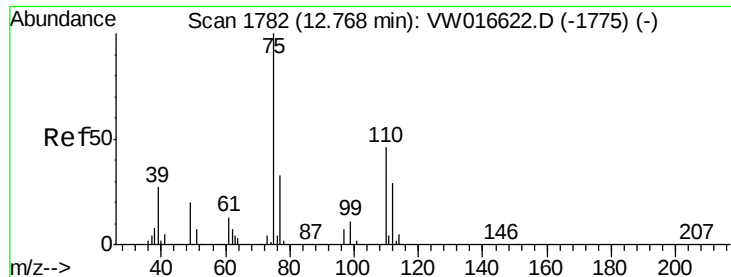


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 19.832 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampleId :

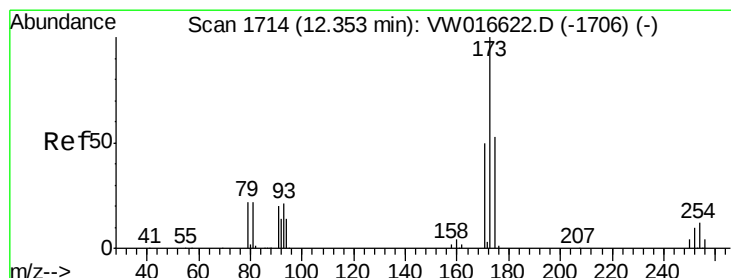
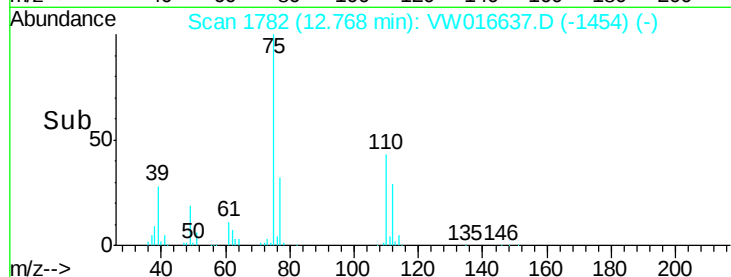
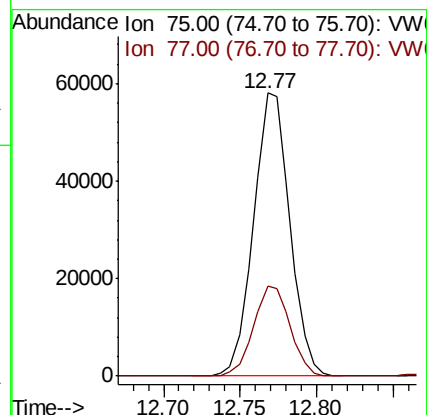
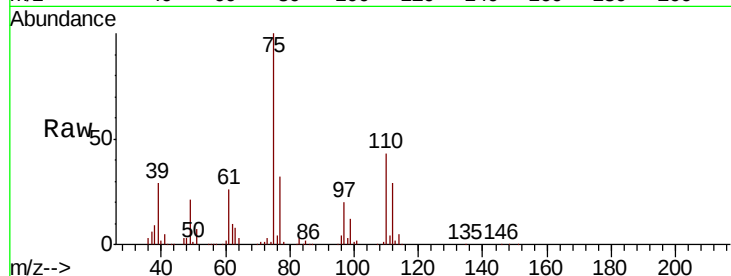
BFB01

Tot Ion: 75 Resp: 95806

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.4



#62

Bromoform

Concen: 21.381 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

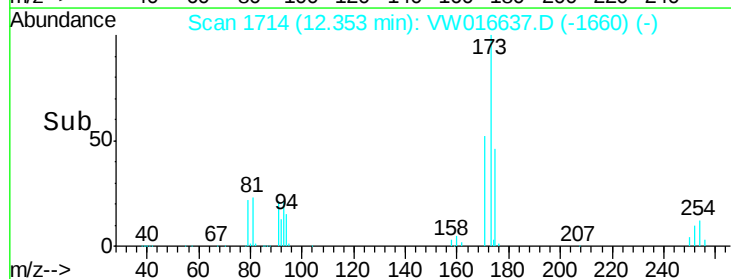
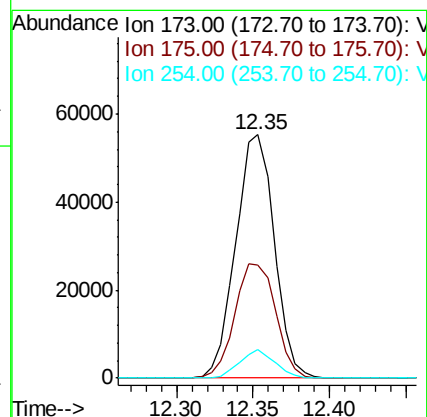
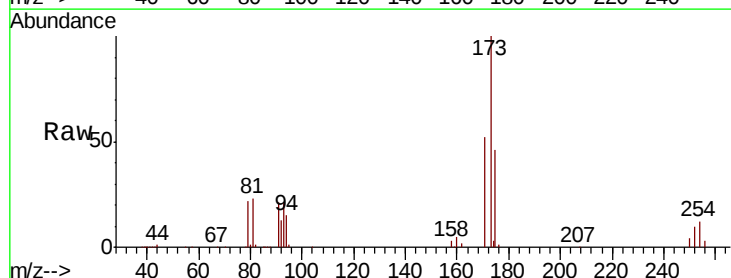
Tgt Ion: 173 Resp: 96897

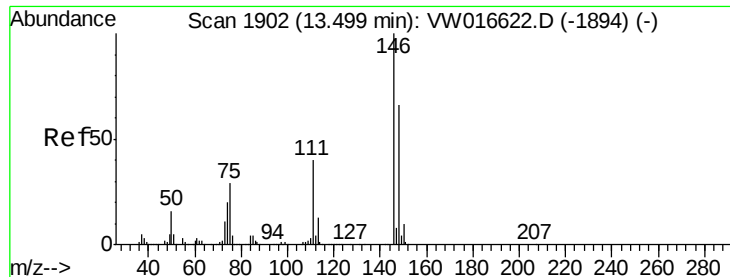
Ion Ratio Lower Upper

173 100

175 49.6 38.6 57.8

254 10.7 8.2 12.4





#63

1,3-Dichlorobenzene

Concen: 25.692 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampleId :

BFB01

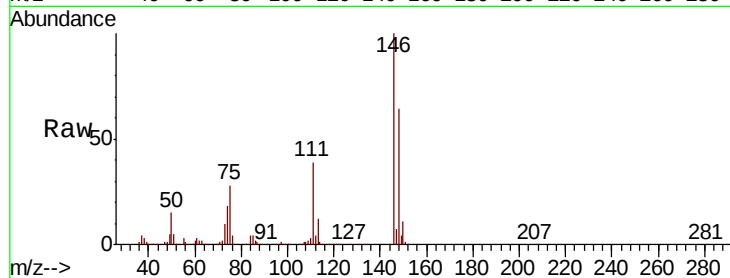
Tot Ion:146 Resp: 449002

Ion Ratio Lower Upper

146 100

111 38.6 25.0 46.4

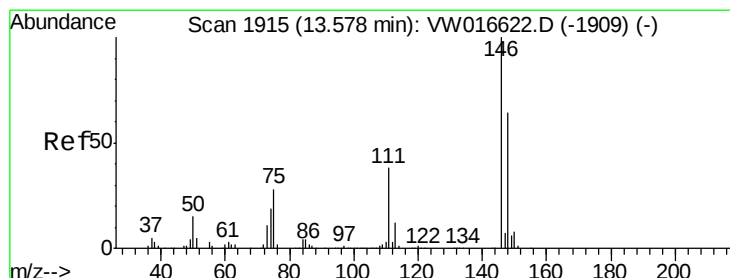
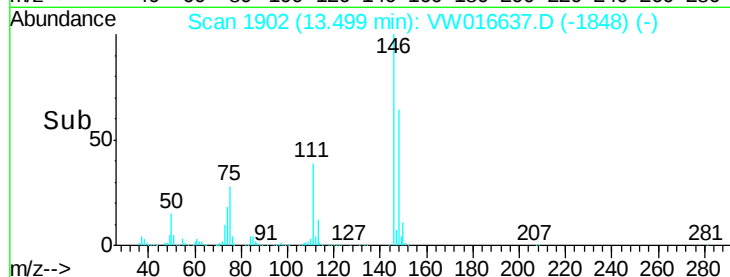
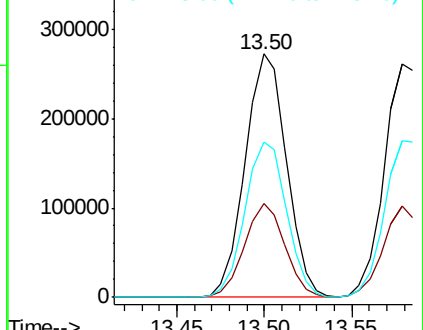
148 64.0 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 25.108 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

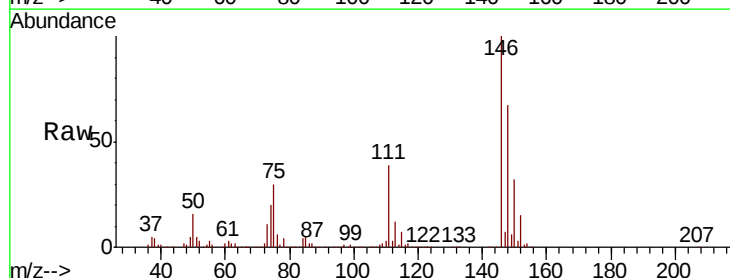
Tgt Ion:146 Resp: 429717

Ion Ratio Lower Upper

146 100

111 39.0 25.1 46.5

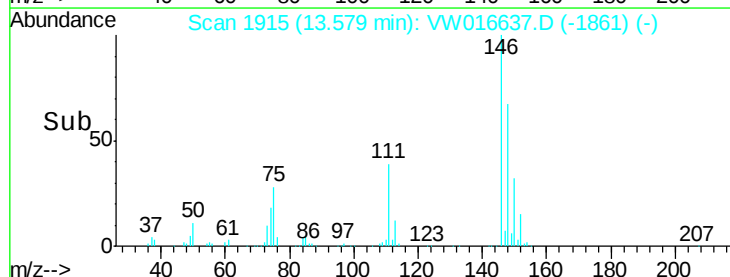
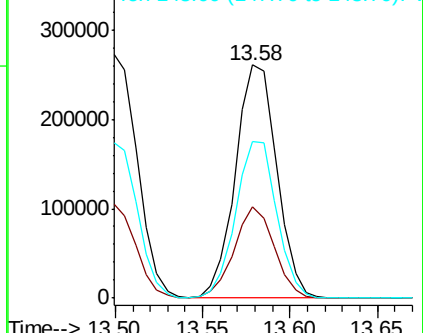
148 66.9 42.3 78.5

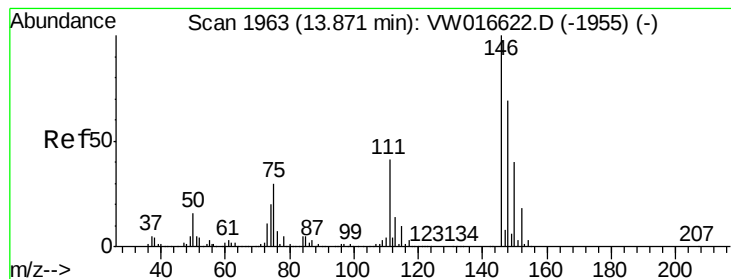


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 24.591 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampleId :

BFB01

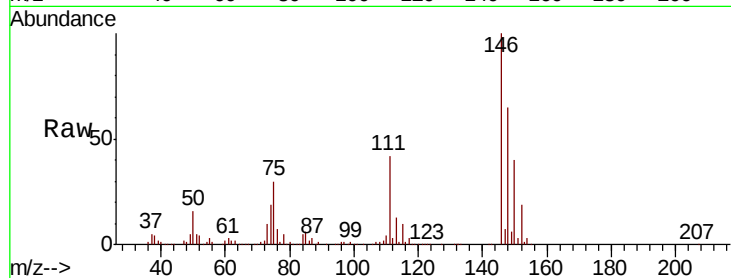
Tot Ion:146 Resp: 384001

Ion Ratio Lower Upper

146 100

111 41.9 31.4 47.0

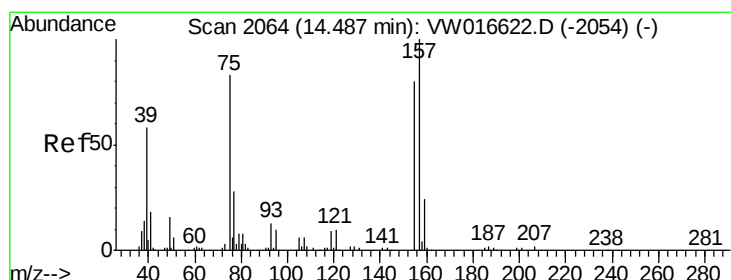
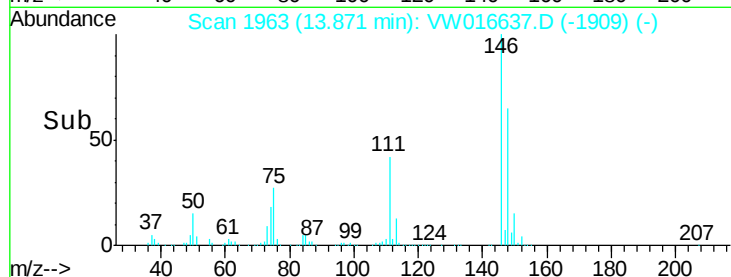
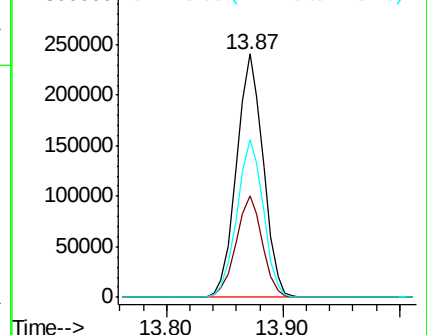
148 64.9 49.3 73.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 18.946 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

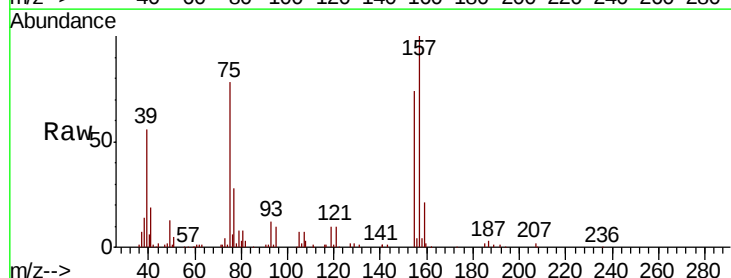
Tgt Ion: 75 Resp: 21207

Ion Ratio Lower Upper

75 100

157 128.7 92.2 138.4

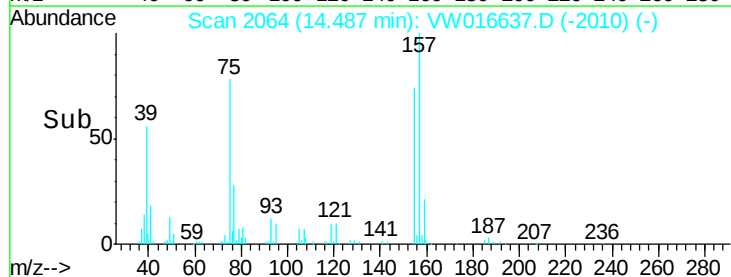
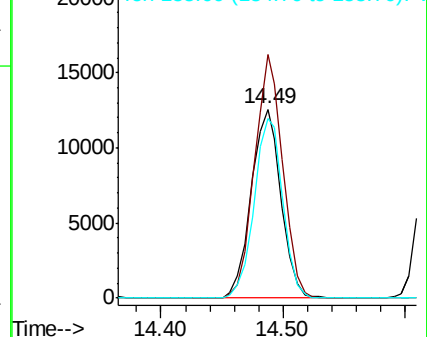
155 95.2 73.5 110.3

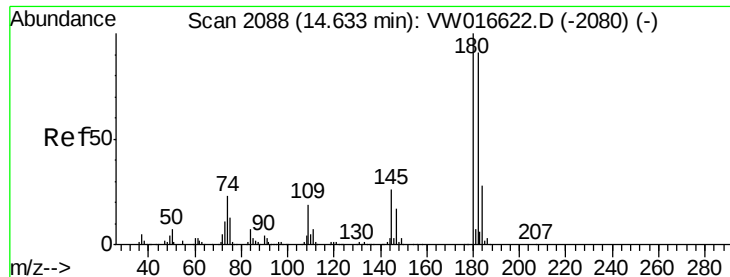


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

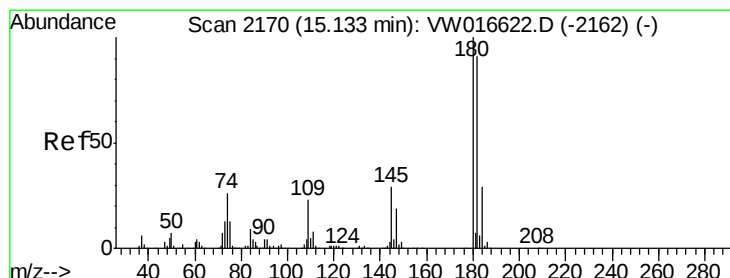
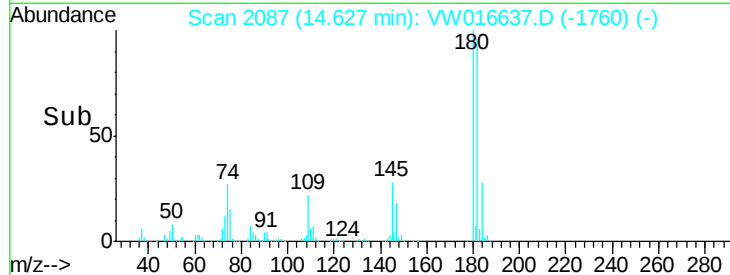
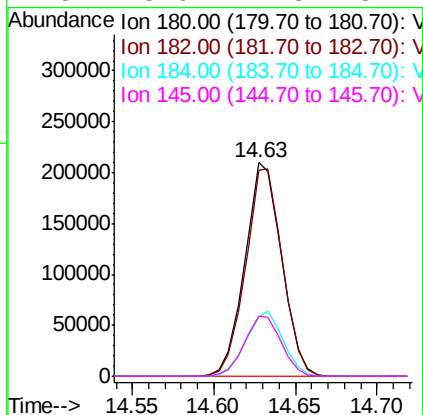
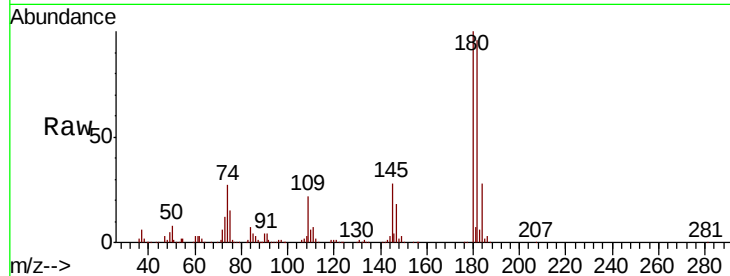




#67
 1,3,5-Trichlorobenzene
 Concen: 25.728 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016637.D
 Acq: 24 Sep 2020 09:14

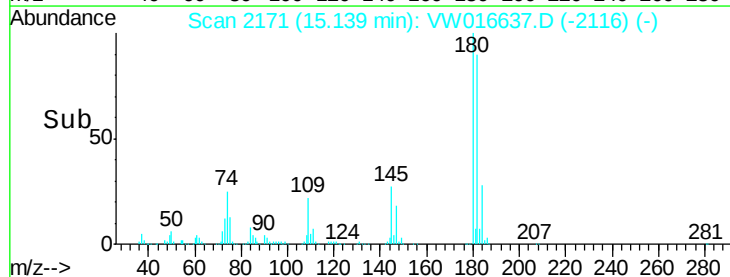
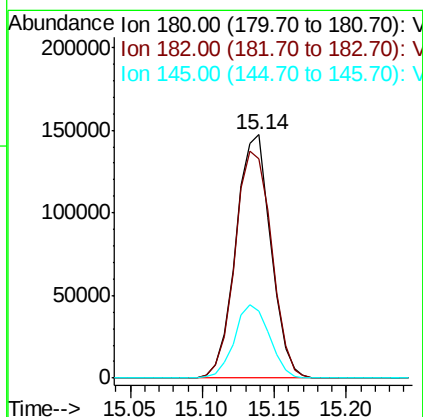
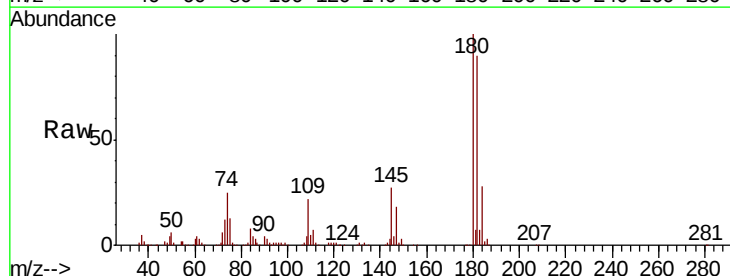
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB01

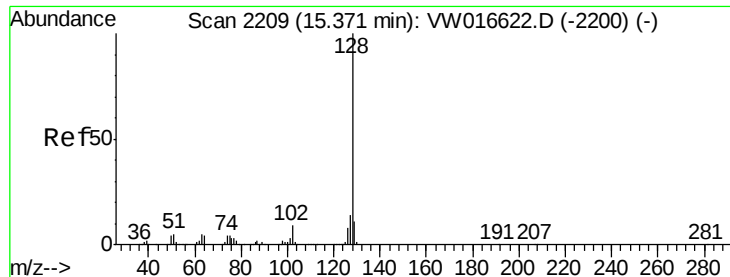
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	73.8	110.8
184	30.5	23.7	35.5
145	28.6	22.8	34.2



#68
 1,2,4-trichlorobenzene
 Concen: 24.108 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016637.D
 Acq: 24 Sep 2020 09:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	74.5	111.7
145	29.9	23.1	34.7





#69

Naphthalene

Concen: 20.787 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

Instrument :

MSVOA_W

ClientSampled :

BFB01

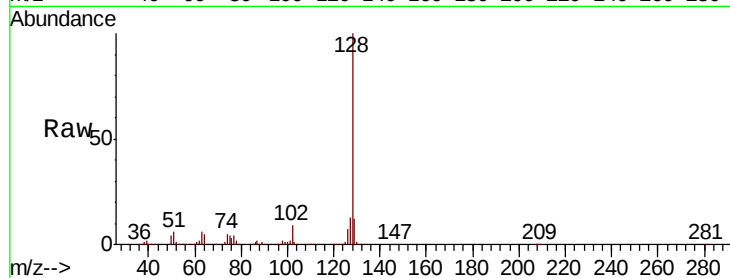
Tot Ion:128 Resp: 380993

Ion Ratio Lower Upper

128 100

129 11.4 8.9 13.3

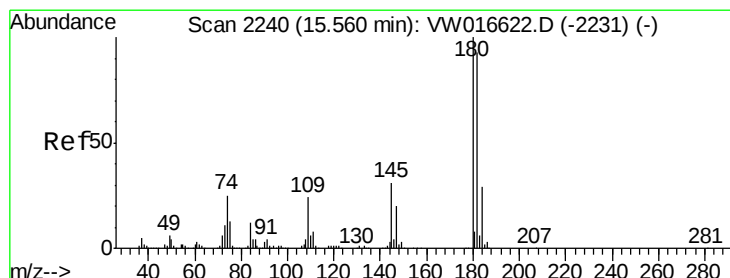
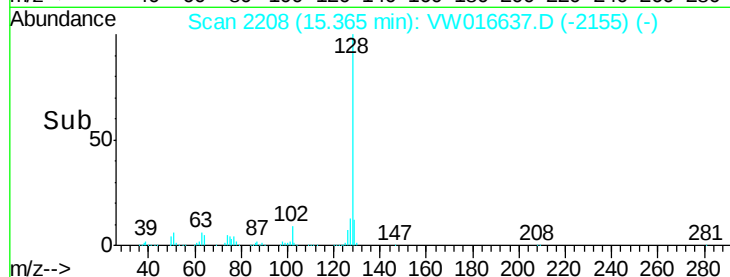
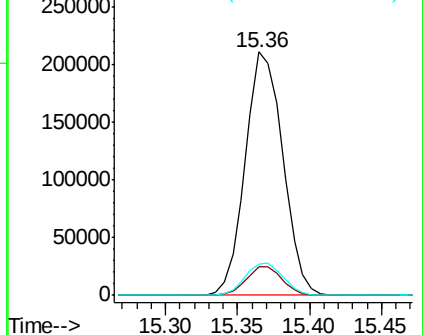
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.749 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016637.D

Acq: 24 Sep 2020 09:14

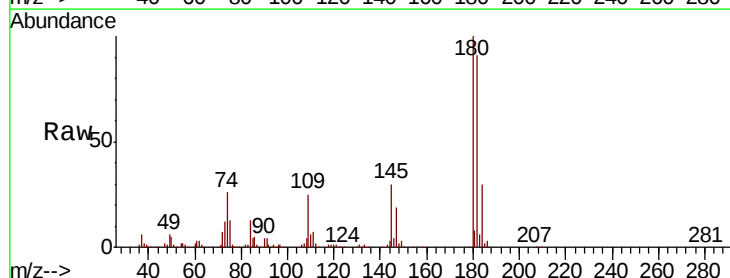
Tgt Ion:180 Resp: 211183

Ion Ratio Lower Upper

180 100

182 92.6 76.3 114.5

145 31.2 24.1 36.1



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

