

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102020\
 Data File : VW016951.D
 Acq On : 20 Oct 2020 14:24
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 20 22:51:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 20 22:43:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	453535	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	410469	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	214748	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	87419	19.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.16%
7) Chloroethane-d5	2.90	69	79707	21.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.96%
10) 1,1-Dichloroethene-d2	4.03	63	211632	22.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.12%
20) 2-Butanone-d5	7.09	46	55647	54.91	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.82%
24) Chloroform-d	7.65	84	245341	25.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.56%
26) 1,2-Dichloroethane-d4	8.31	65	112450	24.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.32%
29) Benzene-d6	8.28	84	449538	24.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.44%
33) 1,2-Dichloropropane-d6	9.28	67	130940	26.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.56%
37) Toluene-d8	10.33	98	417521	23.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.96%
38) trans-1,3-Dichloropropene-	10.58	79	54815	24.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.24%
39) 2-Hexanone-d5	10.93	63	45513	58.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116170	28.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	170817	25.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	116475	21.486	ug/L 94
3) Chloromethane	2.21	50	96685	20.233	ug/L 97
5) Vinyl chloride	2.37	62	161018	25.956	ug/L 98
6) Bromomethane	2.79	94	107417	23.553	ug/L 99
8) Chloroethane	2.93	64	97237	25.396	ug/L 98
9) Trichlorofluoromethane	3.26	101	132070	27.554	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	163220	26.730	ug/L 99
12) 1,1-Dichloroethene	4.05	96	152567	26.018	ug/L 91
13) Acetone	4.15	43	36691	47.843	ug/L 98
14) Carbon disulfide	4.39	76	401041	23.852	ug/L 99
15) Methyl Acetate	4.68	43	47900	26.141	ug/L # 70
16) Methylene chloride	4.92	84	155560	24.853	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	176632	26.918	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	157201	25.662	ug/L 98
19) 1,1-Dichloroethane	6.23	63	253374	26.859	ug/L 97
21) 2-Butanone	7.18	43	60553	47.034	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	165758	26.518	ug/L 96

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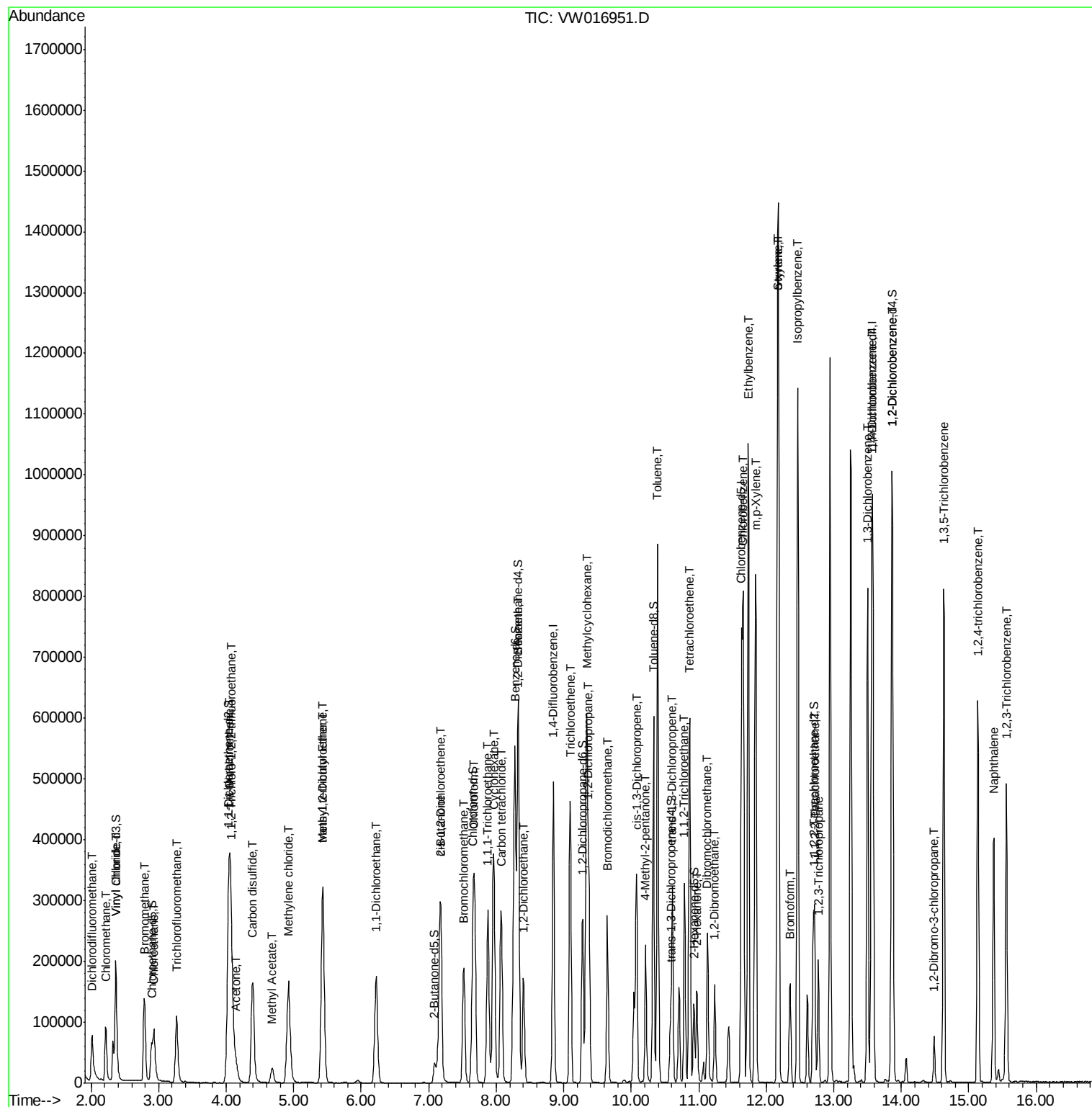
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	77440	26.382	ug/L	97
25) Chloroform	7.68	83	272891	26.787	ug/L	99
27) 1,2-Dichloroethane	8.40	62	157184	25.792	ug/L	100
30) Cyclohexane	7.96	56	218541	25.674	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	239148	27.397	ug/L	99
32) Carbon tetrachloride	8.07	117	227050	26.655	ug/L	99
34) Benzene	8.33	78	596812	27.075	ug/L	100
35) Trichloroethene	9.09	95	165478	26.540	ug/L	100
36) Methylcyclohexane	9.34	83	274657	26.199	ug/L	100
40) 1,2-Dichloropropane	9.37	63	137590	27.604	ug/L	99
41) Bromodichloromethane	9.65	83	189349	27.041	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	213242	26.833	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	136074	54.227	ug/L	100
44) Toluene	10.39	91	661494	27.051	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	181080	27.078	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	111696	27.567	ug/L	98
47) Tetrachloroethene	10.87	164	144605	25.016	ug/L	95
49) 2-Hexanone	10.97	43	89789	54.211	ug/L	99
50) Dibromochloromethane	11.13	129	138828	27.561	ug/L	93
51) 1,2-Dibromoethane	11.24	107	106545	26.758	ug/L	96
52) Chlorobenzene	11.66	112	433630	26.423	ug/L	97
53) Ethylbenzene	11.73	91	748770	27.296	ug/L	99
54) m,p-Xylene	11.84	106	289072	27.095	ug/L	98
55) o-xylene	12.16	106	275126	26.991	ug/L	98
56) Styrene	12.18	104	469924	27.937	ug/L	97
57) Isopropylbenzene	12.46	105	758295	27.167	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	124149	27.725	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	86820	26.764	ug/L	99
62) Bromoform	12.35	173	81149	26.862	ug/L	94
63) 1,3-Dichlorobenzene	13.50	146	351549	25.722	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	361215	26.427	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	318221	26.005	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	18644	25.118	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	277892	27.354	ug/L	94
68) 1,2,4-trichlorobenzene	15.13	180	210222	25.194	ug/L	95
69) Naphthalene	15.37	128	367945	26.629	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	188244	26.254	ug/L	98

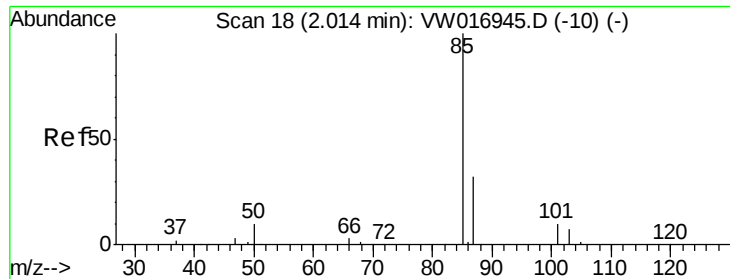
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.486 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

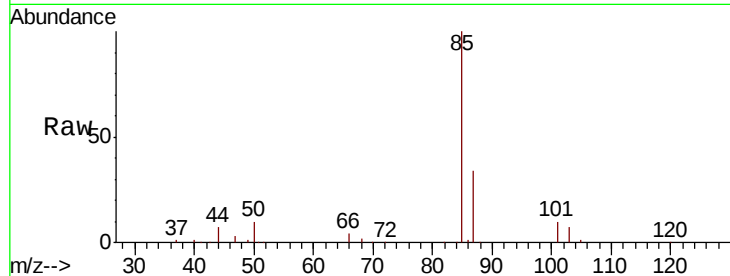
ClientSampleId :

Tot Ion: 85 Resp: 116475

Ion Ratio Lower Upper

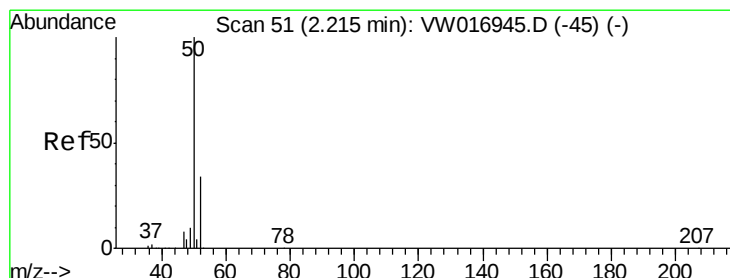
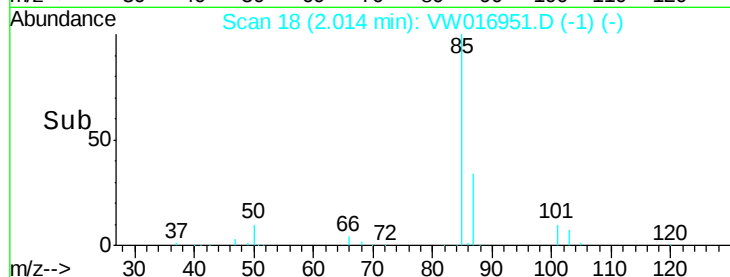
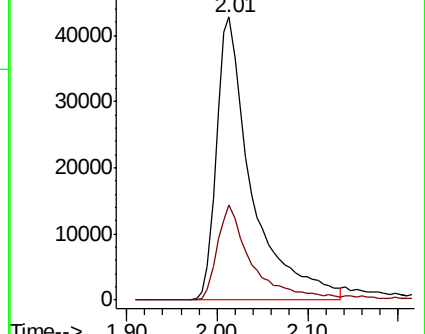
85 100

87 32.1 20.4 37.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 20.233 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016951.D

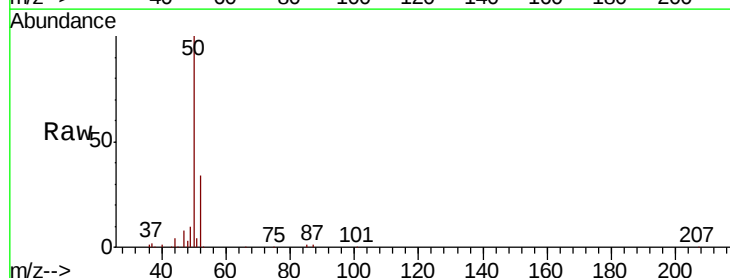
Acq: 20 Oct 2020 14:24

Tgt Ion: 50 Resp: 96685

Ion Ratio Lower Upper

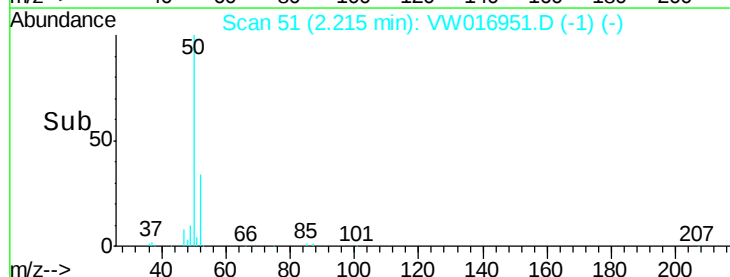
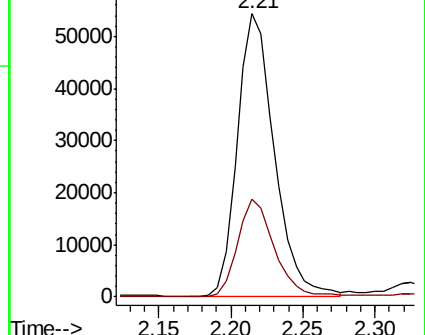
50 100

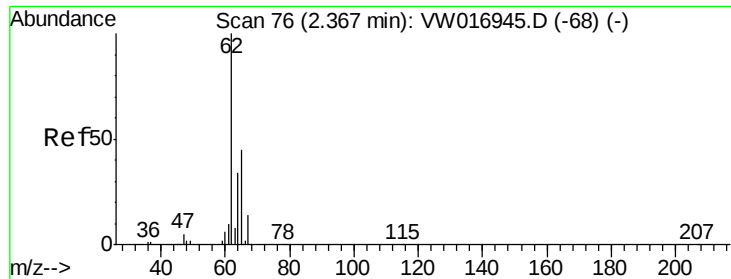
52 34.4 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.956 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

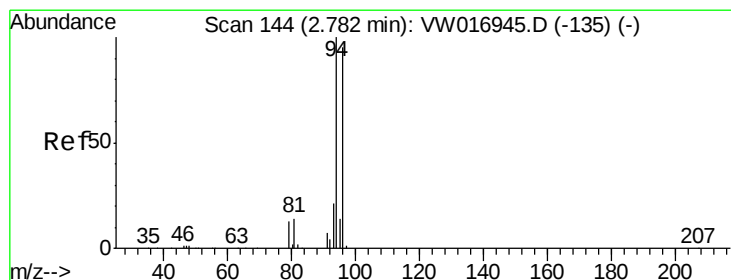
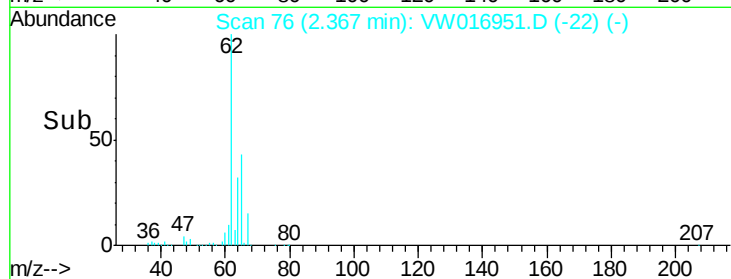
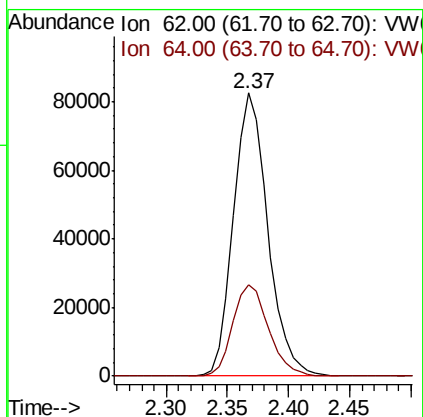
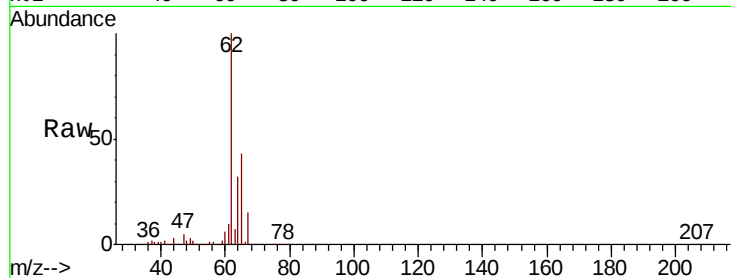
ClientSampleId :

Tot Ion: 62 Resp: 161018

Ion Ratio Lower Upper

62 100

64 32.2 23.5 43.7



#6

Bromomethane

Concen: 23.553 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW016951.D

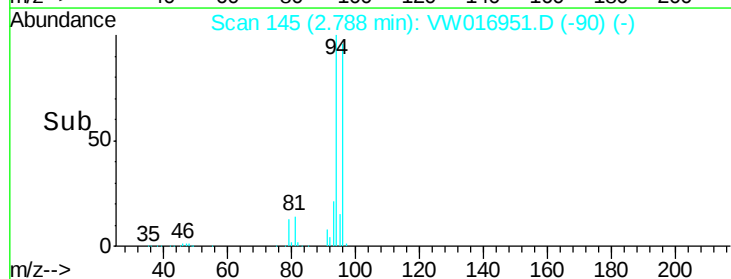
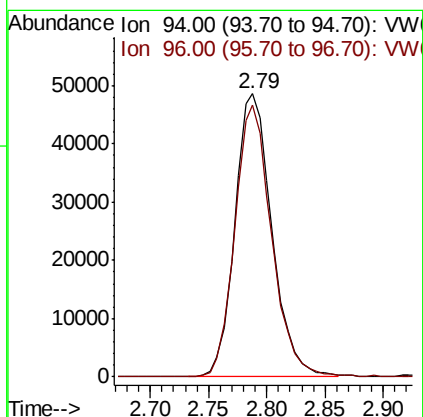
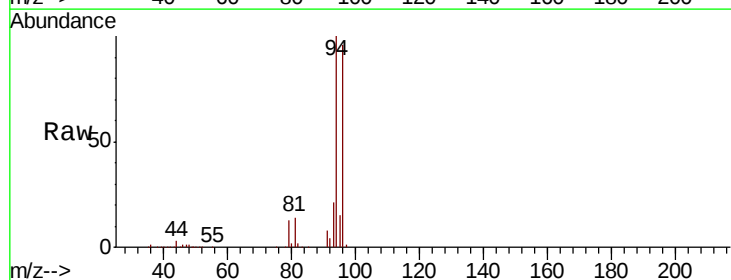
Acq: 20 Oct 2020 14:24

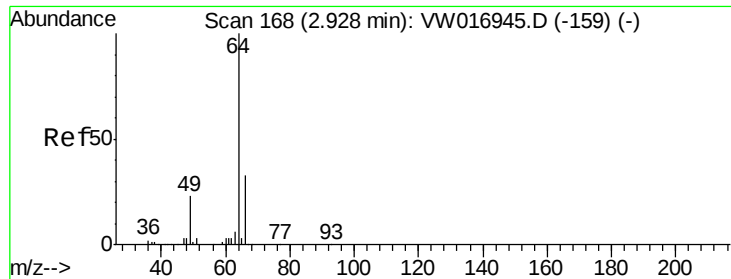
Tgt Ion: 94 Resp: 107417

Ion Ratio Lower Upper

94 100

96 95.6 9.5 180.7

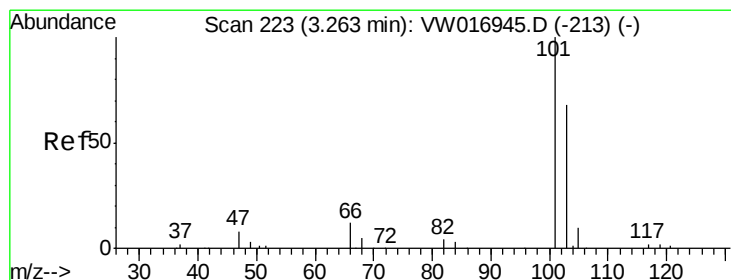
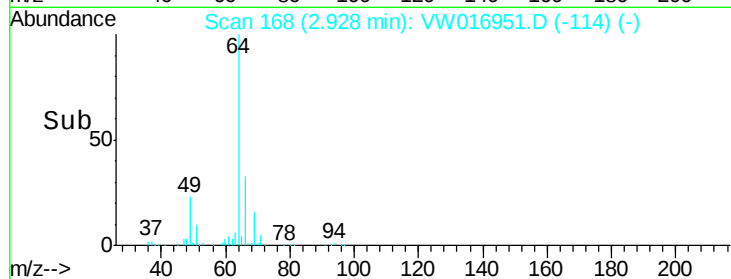
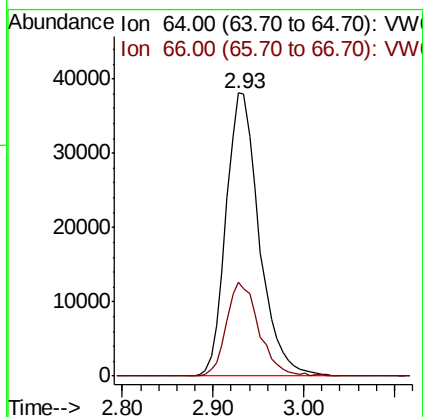
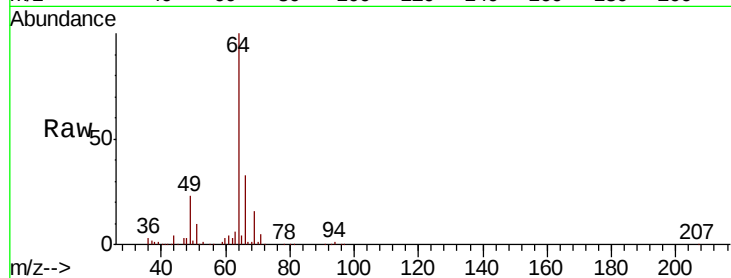




#8
Chloroethane
Concen: 25.396 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW016951.D
Acq: 20 Oct 2020 14:24

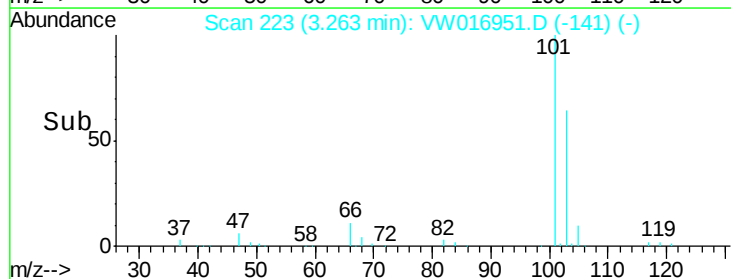
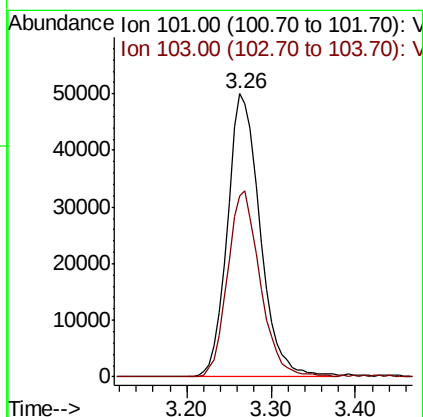
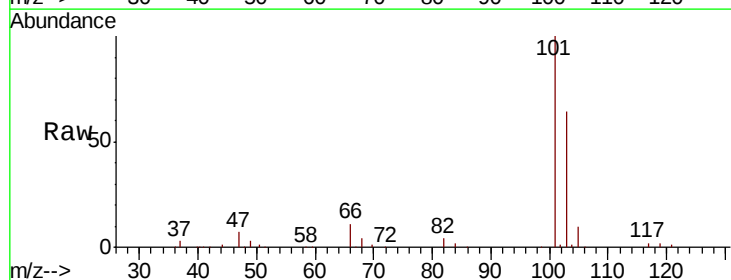
Instrument :
MSVOA_W
ClientSampleId :

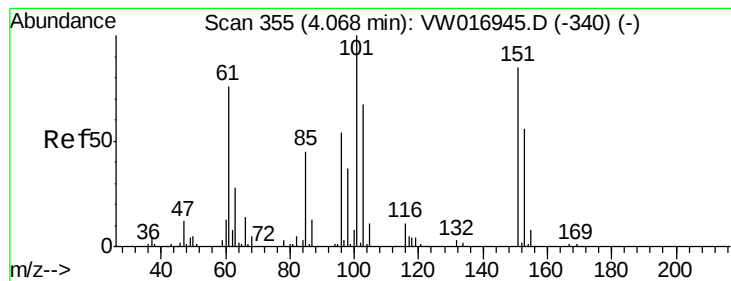
Tot Ion: 64 Resp: 97237
Ion Ratio Lower Upper
64 100
66 33.1 22.5 41.7



#9
Trichlorofluoromethane
Concen: 27.554 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW016951.D
Acq: 20 Oct 2020 14:24

Tgt Ion: 101 Resp: 132070
Ion Ratio Lower Upper
101 100
103 65.4 45.2 84.0





#11

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

Concen: 26.730 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

ClientSampled :

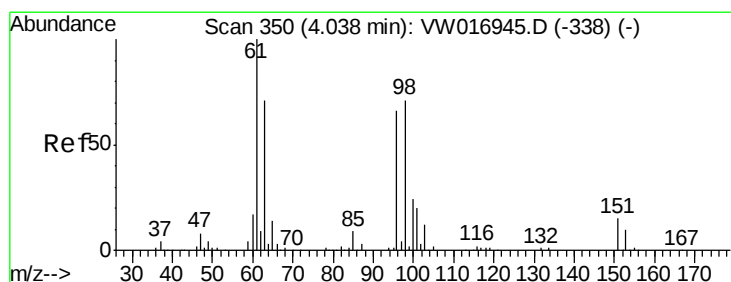
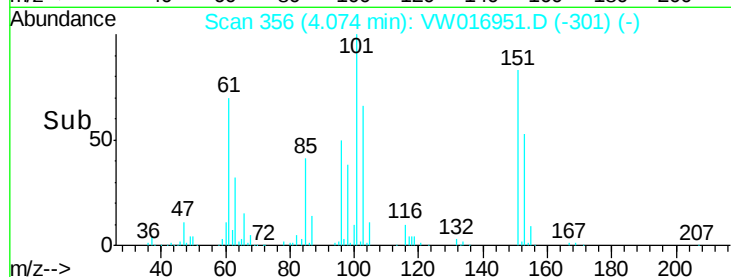
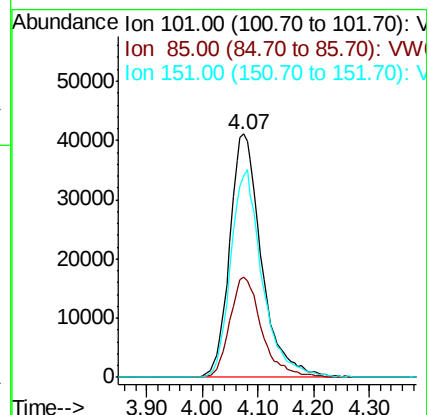
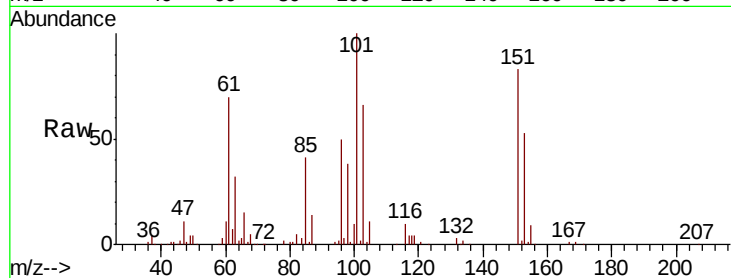
Tot Ion:101 Resp: 163220

Ion Ratio Lower Upper

101 100

85 40.8 31.7 47.5

151 84.0 66.6 99.8



#12

1,1-Dichloroethene

Concen: 26.018 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

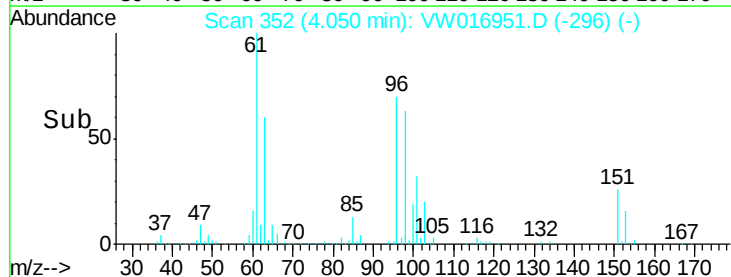
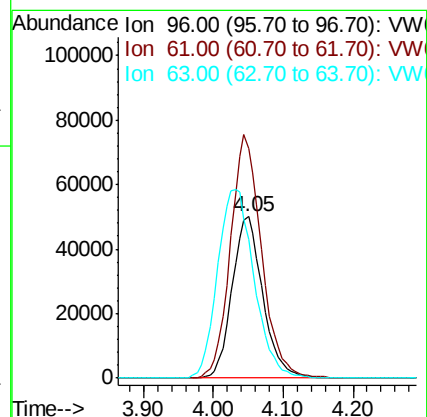
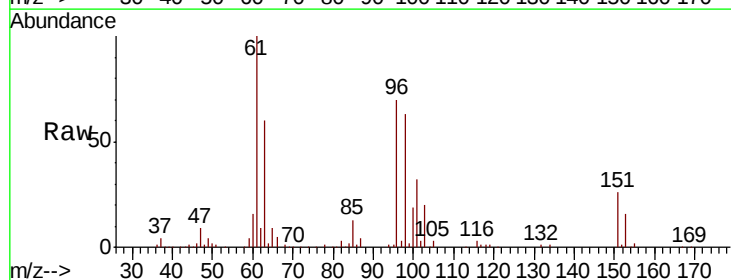
Tgt Ion: 96 Resp: 152567

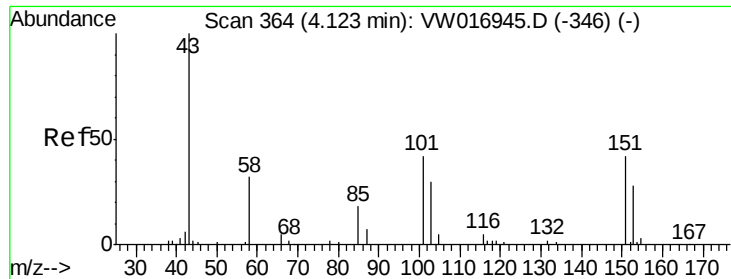
Ion Ratio Lower Upper

96 100

61 142.3 105.1 195.1

63 85.6 69.9 129.7





#13

Acetone

Concen: 47.843 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

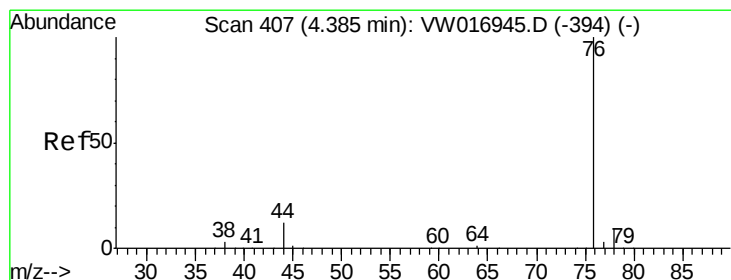
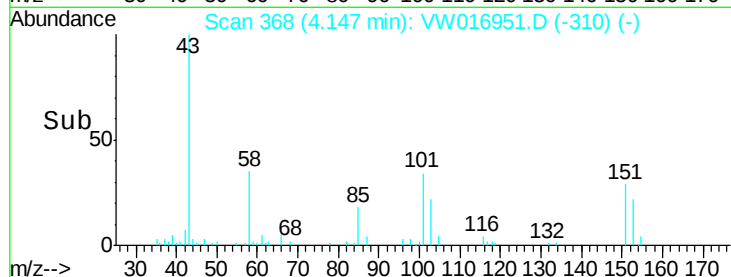
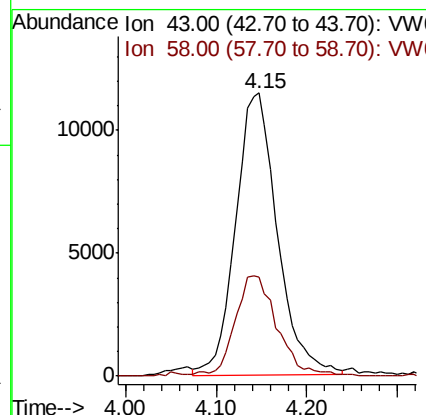
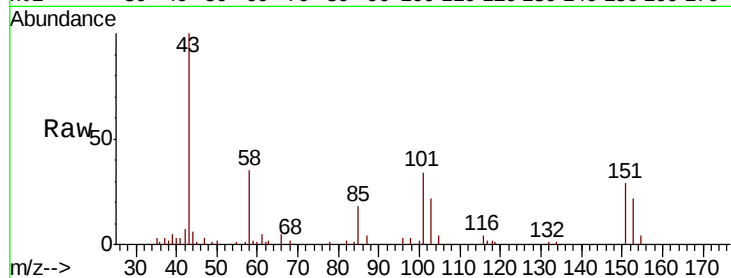
ClientSampled :

Tot Ion: 43 Resp: 36691

Ion Ratio Lower Upper

43 100

58 35.1 0.0 67.6



#14

Carbon disulfide

Concen: 23.852 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW016951.D

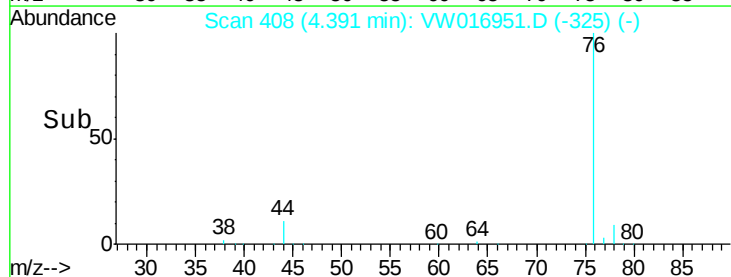
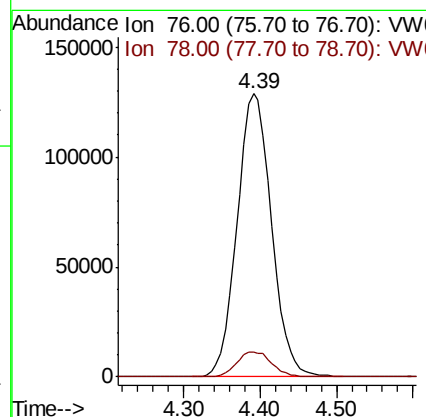
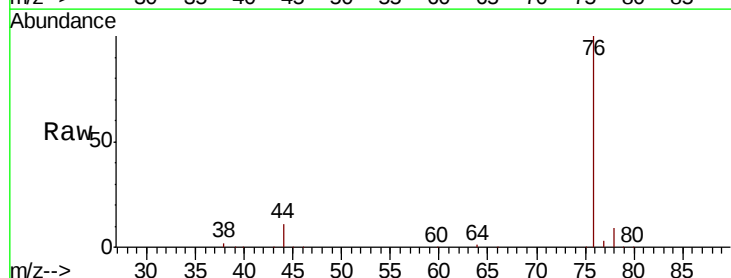
Acq: 20 Oct 2020 14:24

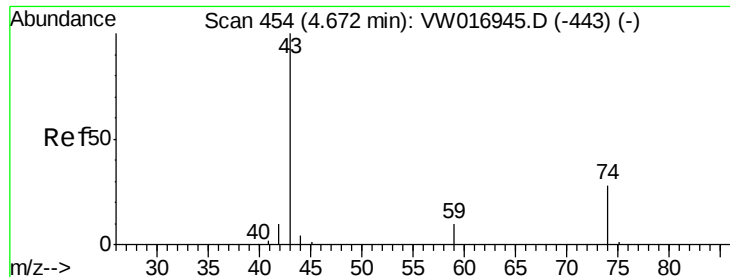
Tgt Ion: 76 Resp: 401041

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

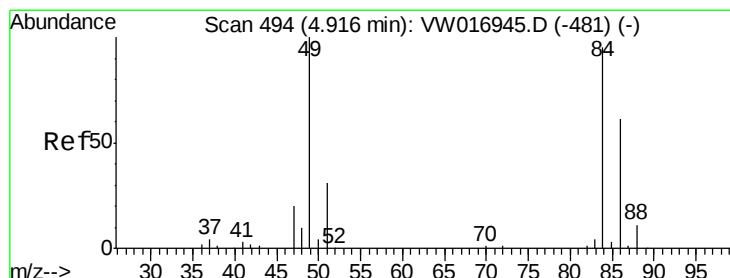
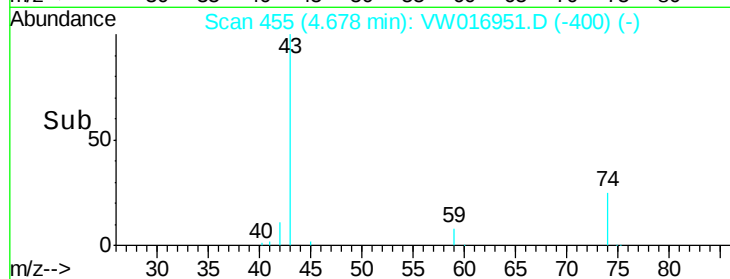
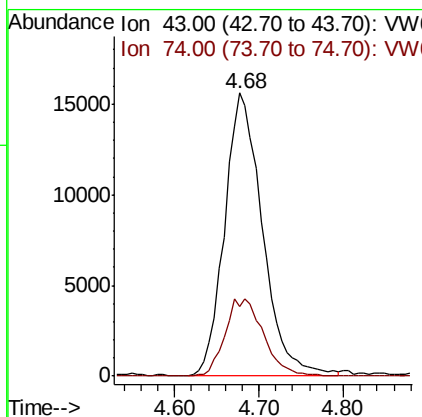
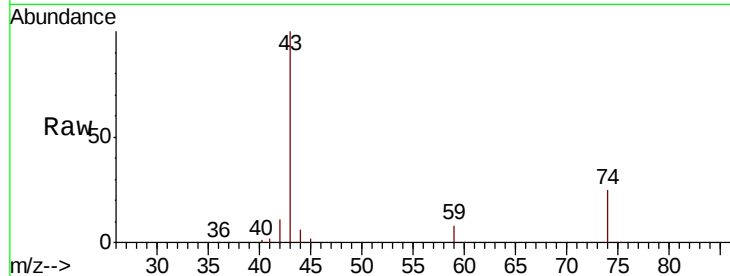




#15
Methvl Acetate
Concen: 26.141 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016951.D
Acq: 20 Oct 2020 14:24

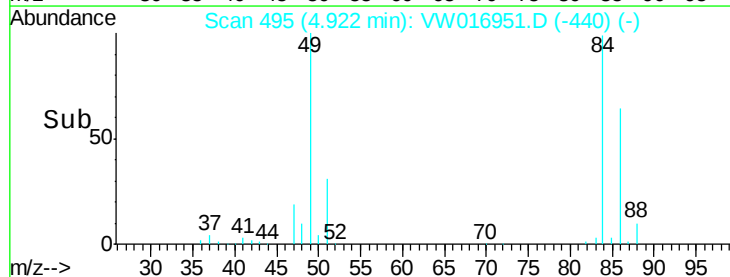
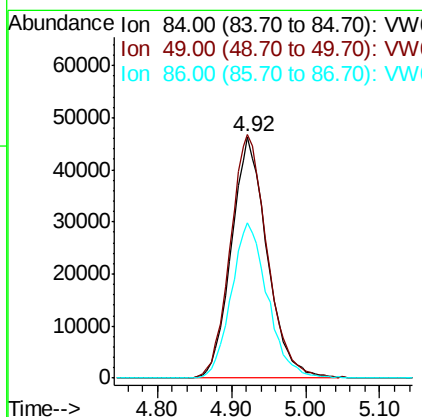
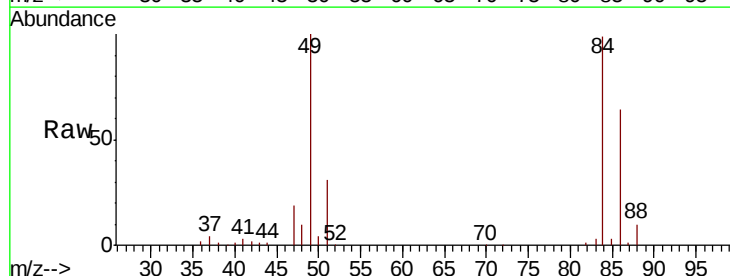
Instrument :
MSVOA_W
ClientSampleId :

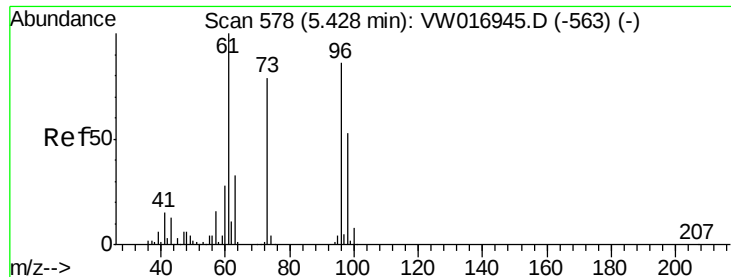
Tot Ion: 43 Resp: 47900
Ion Ratio Lower Upper
43 100
74 12.3 22.7 34.1#



#16
Methylene chloride
Concen: 24.853 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW016951.D
Acq: 20 Oct 2020 14:24

Tgt Ion: 84 Resp: 155560
Ion Ratio Lower Upper
84 100
49 100.9 73.1 135.8
86 64.2 46.0 85.4

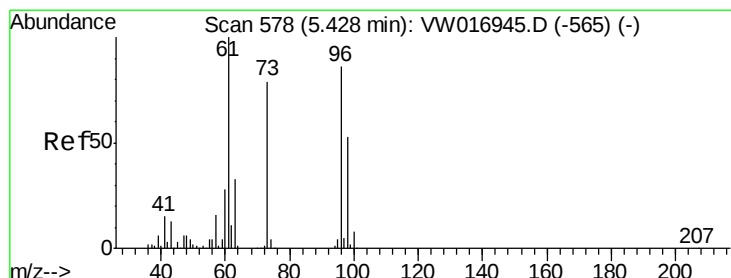
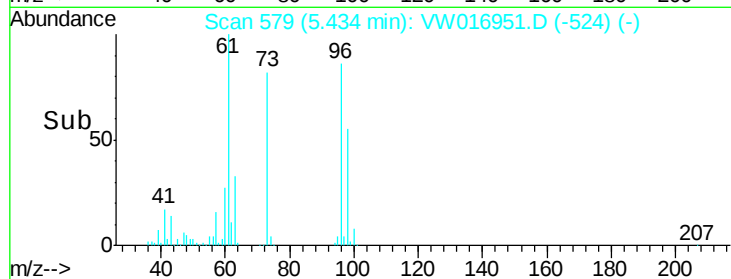
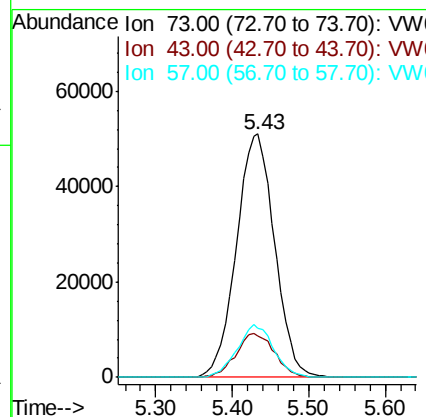
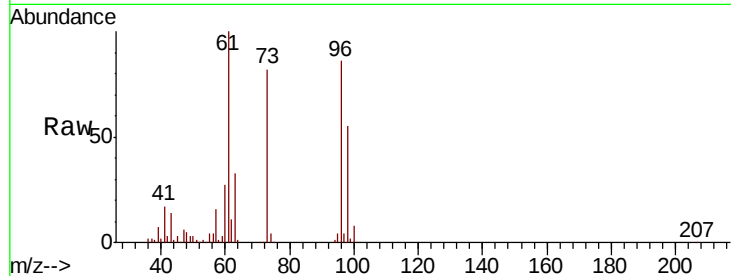




#17
Methvl tert-butvl Ether
Concen: 26.918 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016951.D
Acq: 20 Oct 2020 14:24

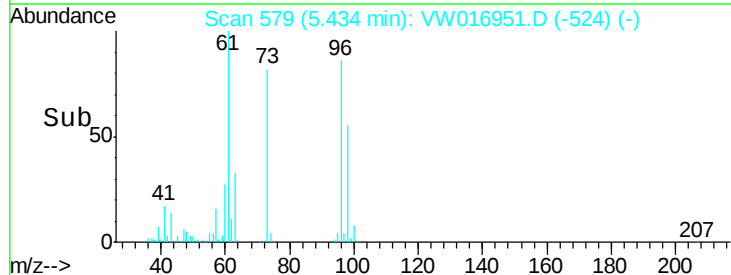
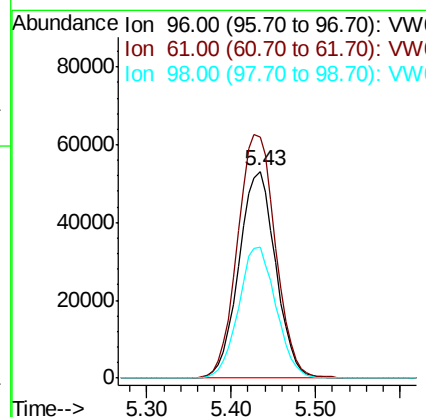
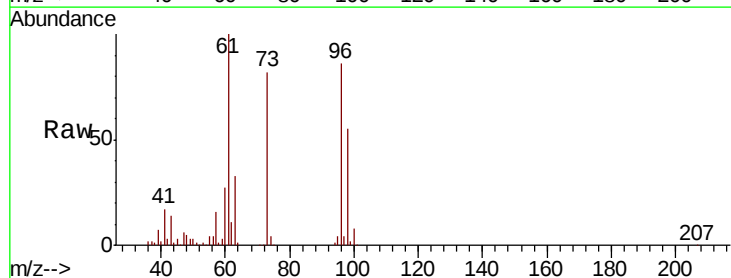
Instrument :
MSVOA_W
ClientSampleId :

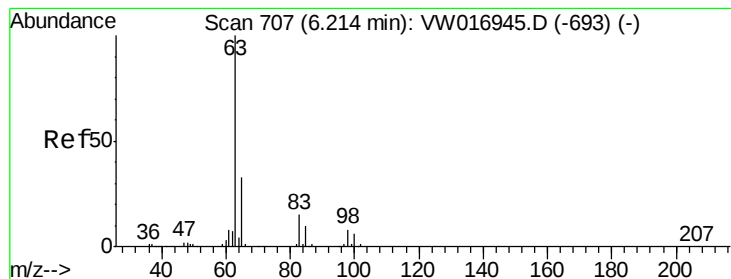
Tot Ion	73	Resp	176632
Ion Ratio	Lower	Upper	
73	100		
43	18.3	15.0	22.4
57	20.6	16.4	24.6



#18
trans-1,2-Dichloroethene
Concen: 25.662 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016951.D
Acq: 20 Oct 2020 14:24

Tgt Ion	96	Resp	157201
Ion Ratio	Lower	Upper	
96	100		
61	116.5	82.5	153.3
98	63.6	43.3	80.5





#19

1,1-Dichloroethane

Concen: 26.859 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

ClientSampled :

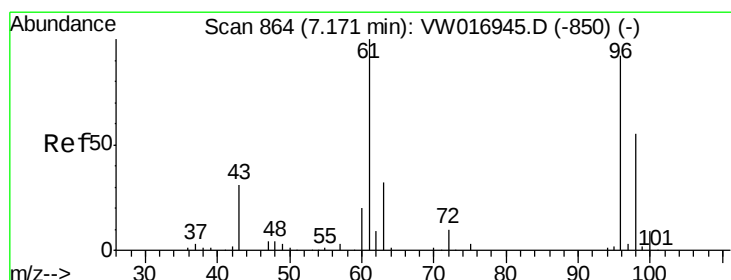
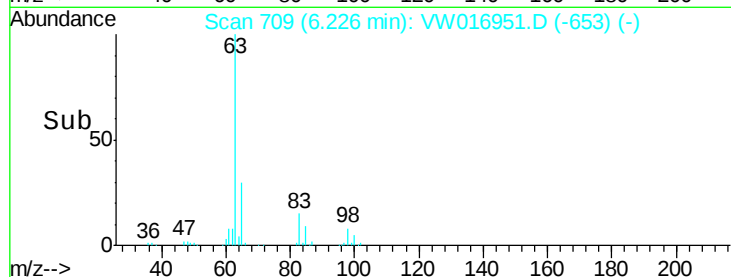
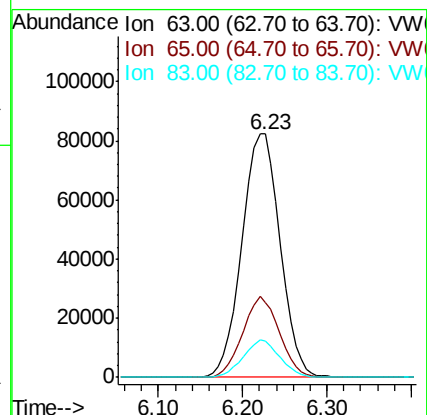
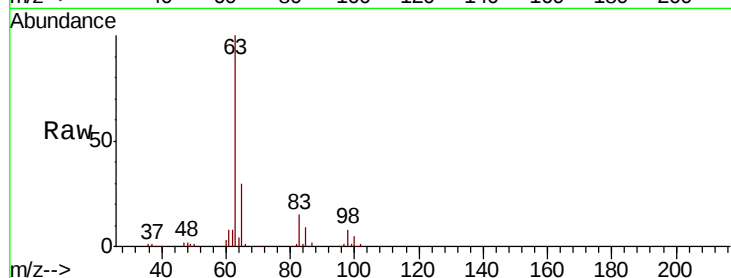
Tot Ion: 63 Resp: 253374

Ion Ratio Lower Upper

63 100

65 30.5 22.7 42.1

83 14.7 9.9 18.5



#21

2-Butanone

Concen: 47.034 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW016951.D

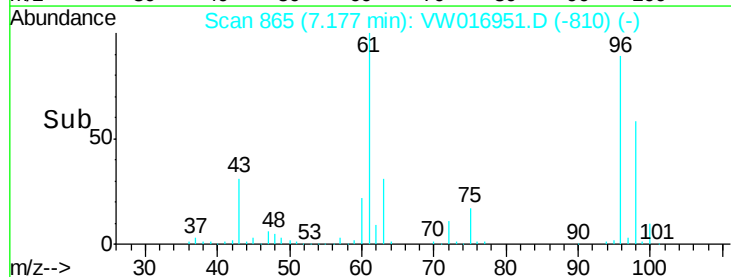
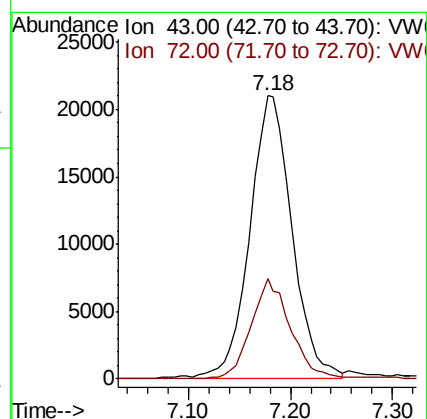
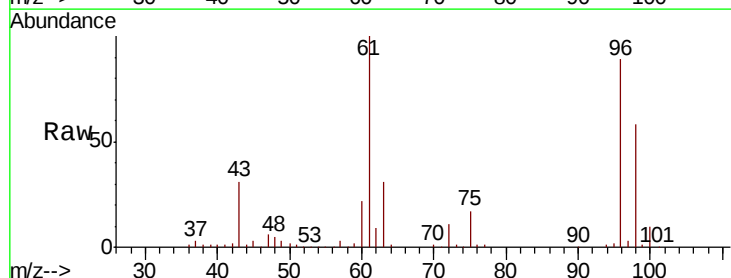
Acq: 20 Oct 2020 14:24

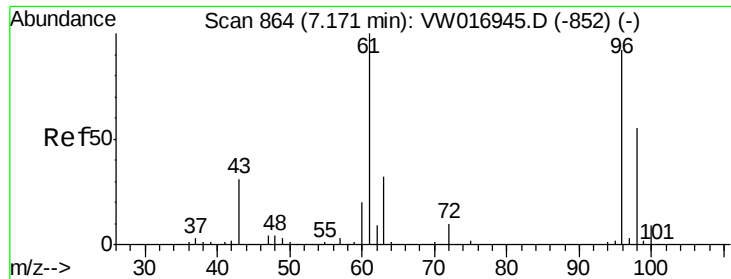
Tgt Ion: 43 Resp: 60553

Ion Ratio Lower Upper

43 100

72 32.7 16.2 48.5



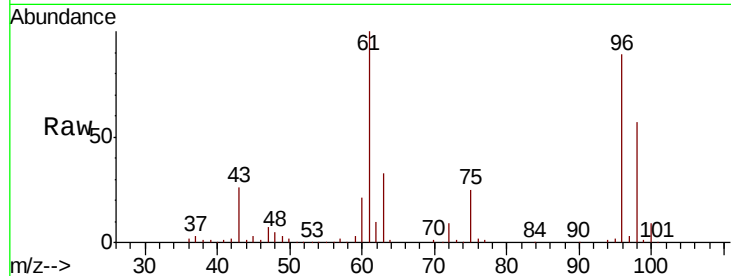


#22

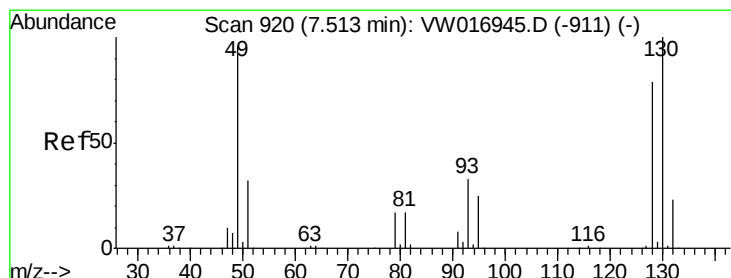
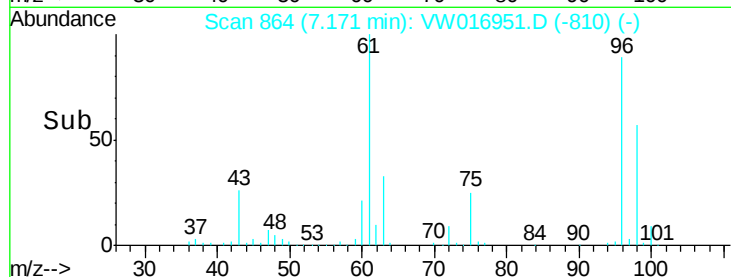
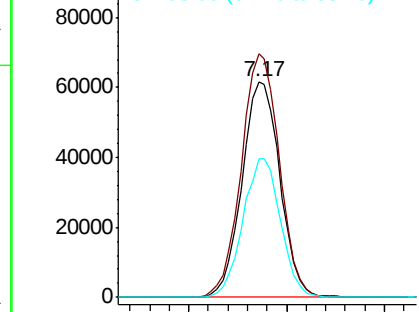
cis-1,2-Dichloroethene
Concen: 26.518 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW016951.D
Acq: 20 Oct 2020 14:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 165758
Ion Ratio Lower Upper
96 100
61 112.8 76.0 141.2
98 64.5 42.7 79.3



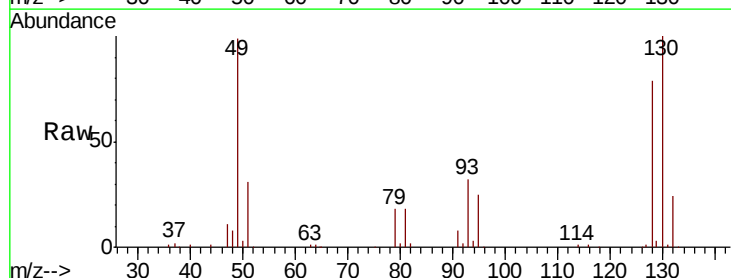
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



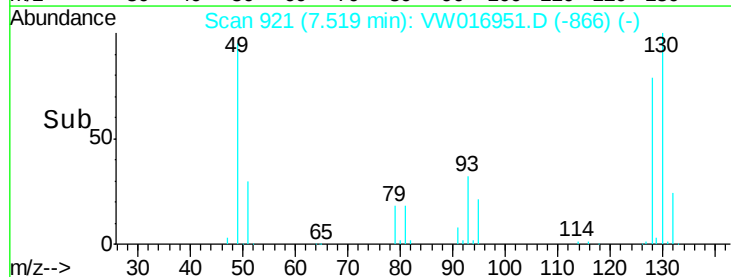
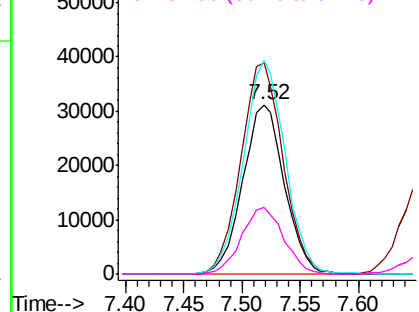
#23

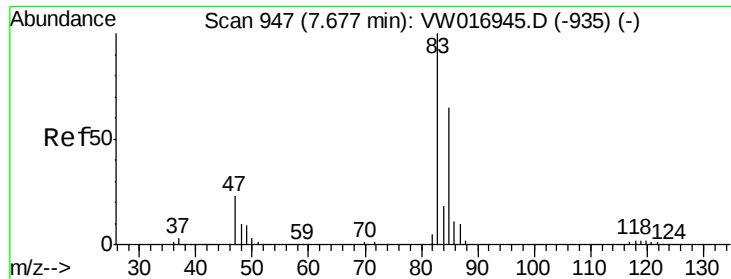
Bromochloromethane
Concen: 26.382 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW016951.D
Acq: 20 Oct 2020 14:24

Tgt Ion: 128 Resp: 77440
Ion Ratio Lower Upper
128 100
49 125.0 88.5 164.3
130 126.2 92.9 172.5
51 39.6 32.6 48.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 26.787 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

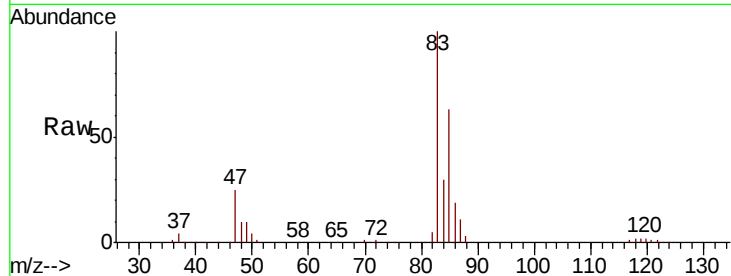
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 272891

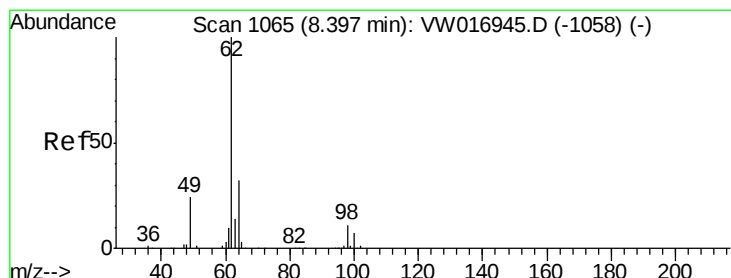
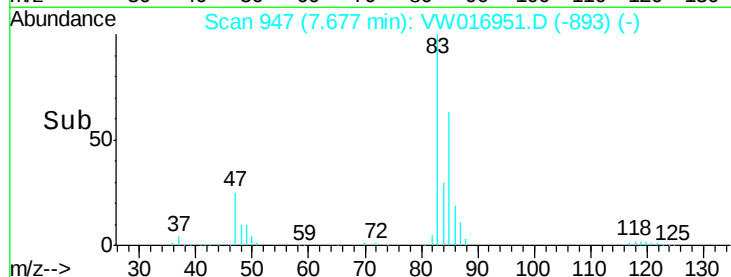
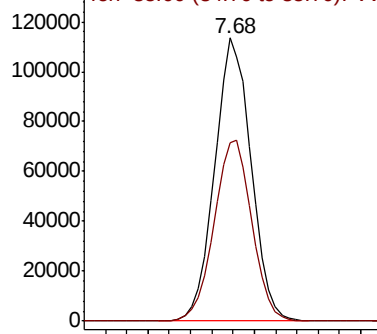
Ion Ratio Lower Upper

83 100

85 66.1 46.9 87.1



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 25.792 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW016951.D

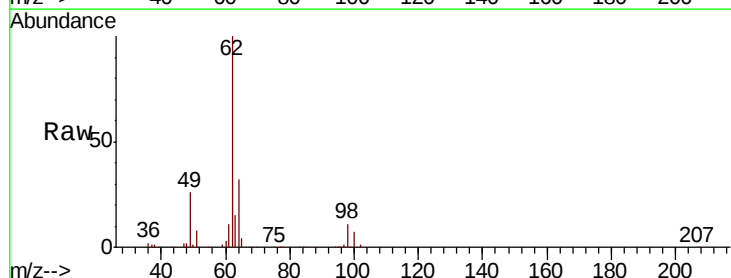
Acq: 20 Oct 2020 14:24

Tgt Ion: 62 Resp: 157184

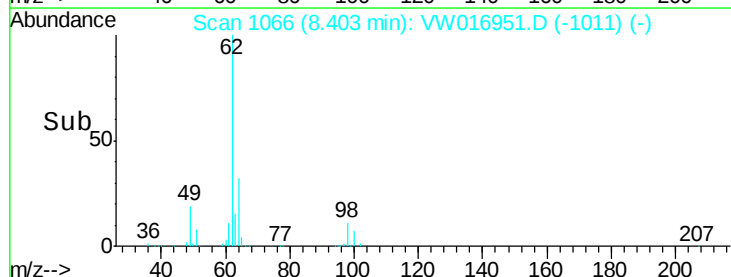
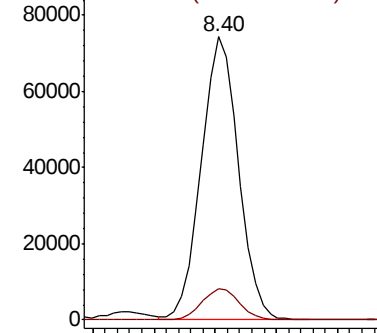
Ion Ratio Lower Upper

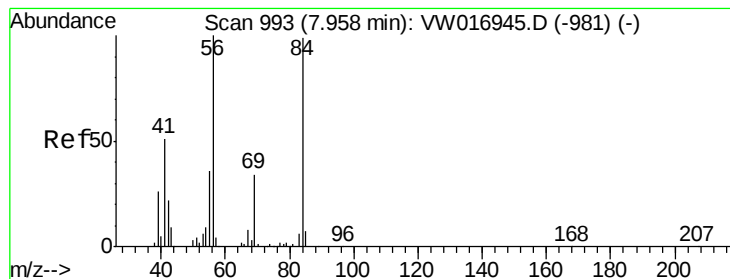
62 100

98 10.9 8.6 12.8



Abundance Ion 62.00 (61.70 to 62.70): VW
Ion 98.00 (97.70 to 98.70): VW





#30

Cvclohexane

Concen: 25.674 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

ClientSampleId :

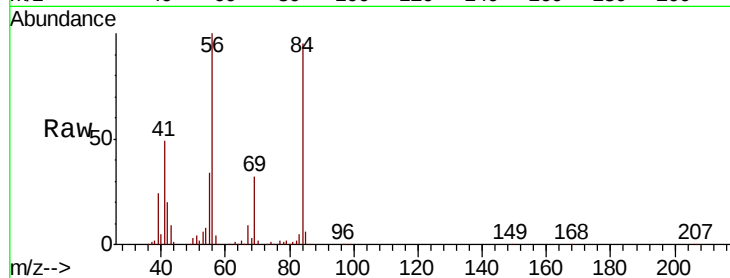
Tot Ion: 56 Resp: 218541

Ion Ratio Lower Upper

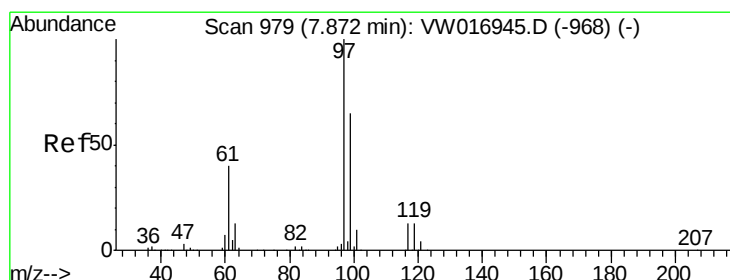
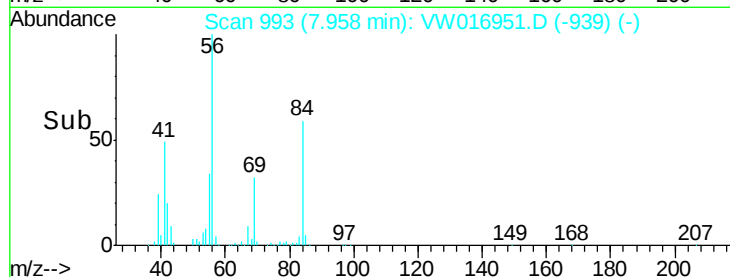
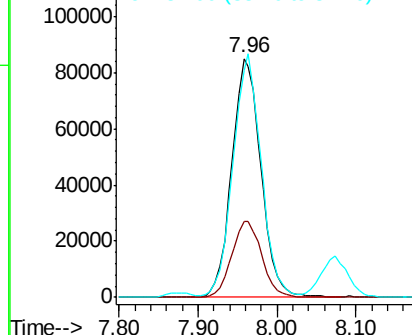
56 100

69 32.4 26.1 39.1

84 98.8 79.3 118.9



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



#31

1,1,1-Trichloroethane

Concen: 27.397 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

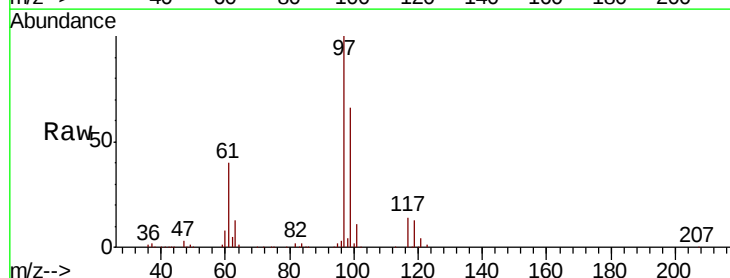
Tgt Ion: 97 Resp: 239148

Ion Ratio Lower Upper

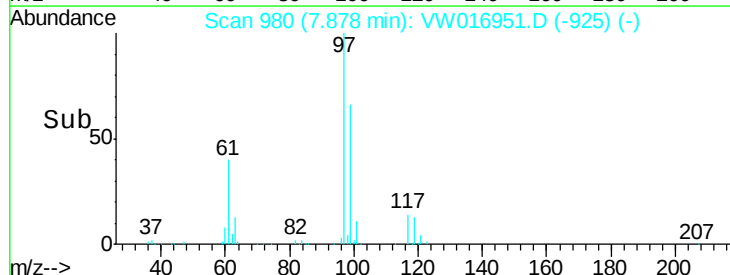
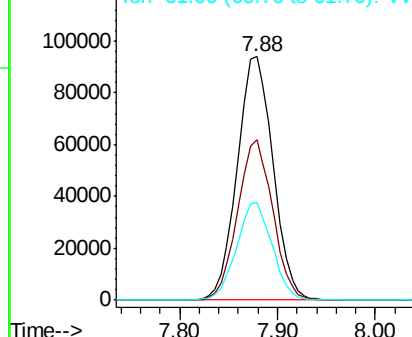
97 100

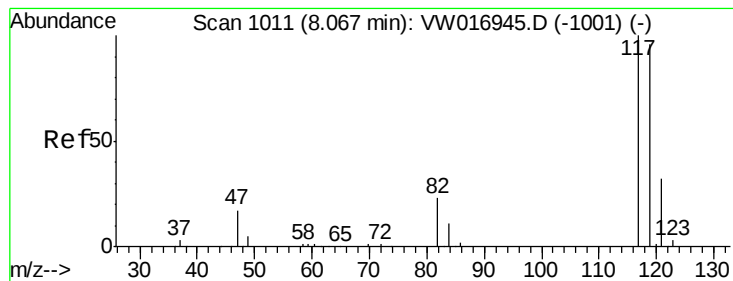
99 64.8 51.5 77.3

61 39.6 32.5 48.7



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: 26.655 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

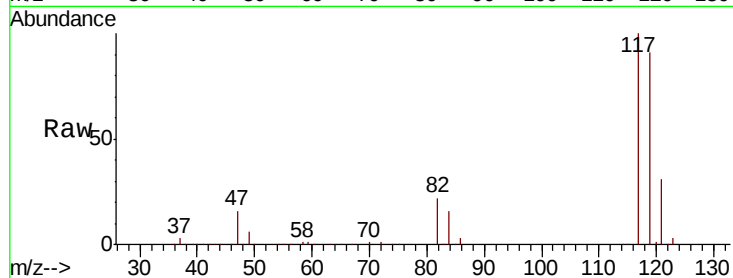
ClientSampled :

Tot Ion:117 Resp: 227050

Ion Ratio Lower Upper

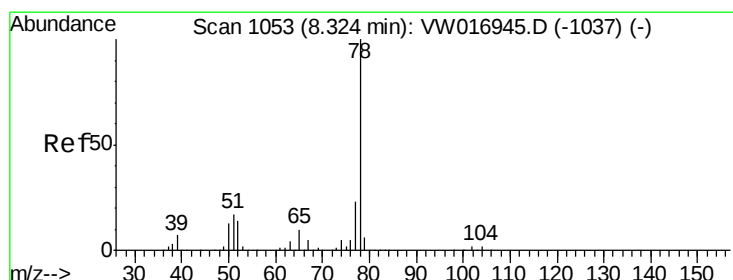
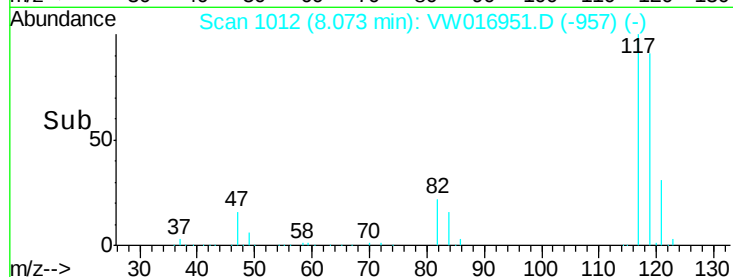
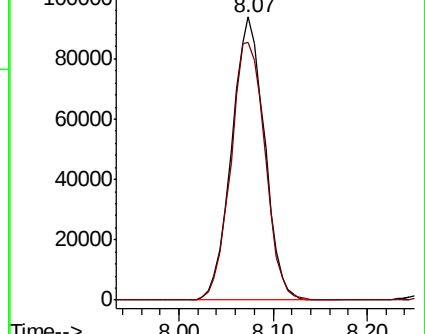
117 100

119 95.2 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.075 ug/L

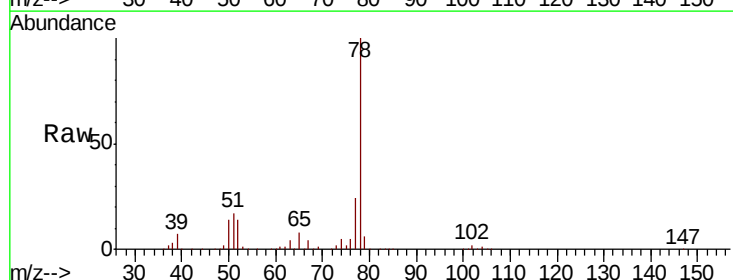
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW016951.D

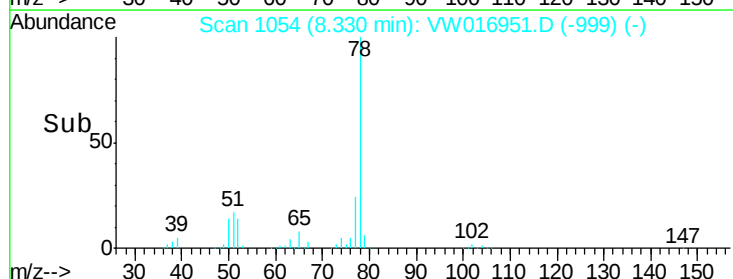
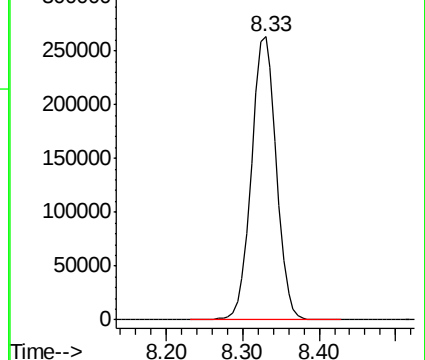
Acq: 20 Oct 2020 14:24

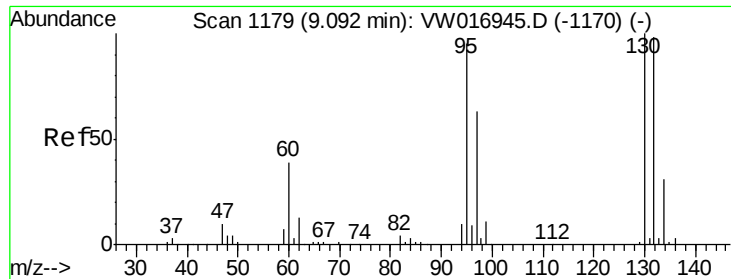
Tgt Ion: 78 Resp: 596812



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.540 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 165478

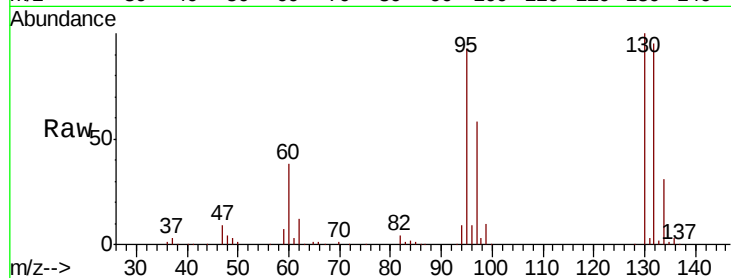
Ion Ratio Lower Upper

95 100

97 64.2 44.7 83.1

132 106.2 73.8 137.2

130 110.1 77.1 143.3

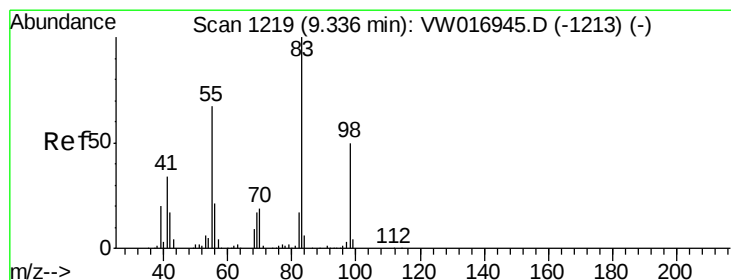
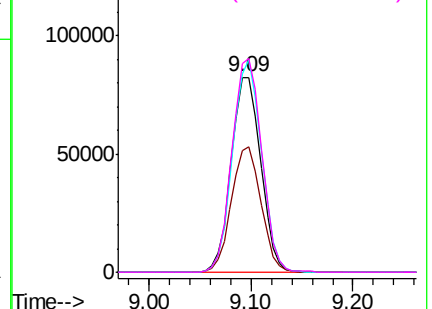
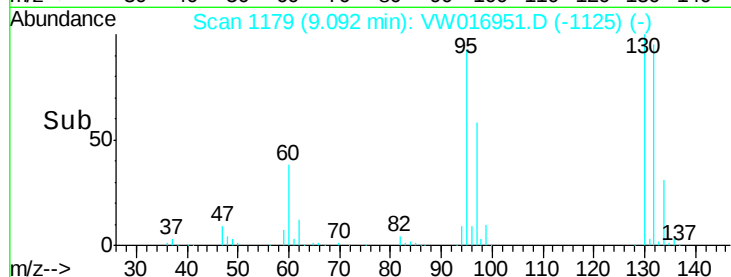


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 26.199 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

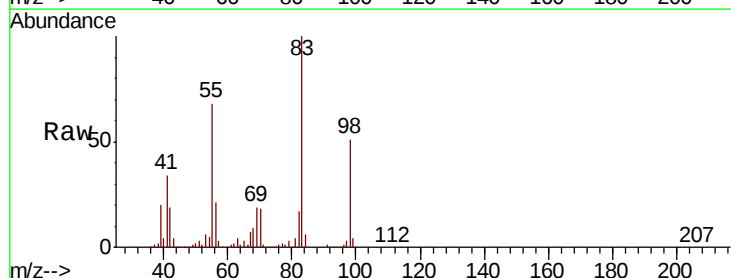
Tgt Ion: 83 Resp: 274657

Ion Ratio Lower Upper

83 100

55 67.8 54.2 81.4

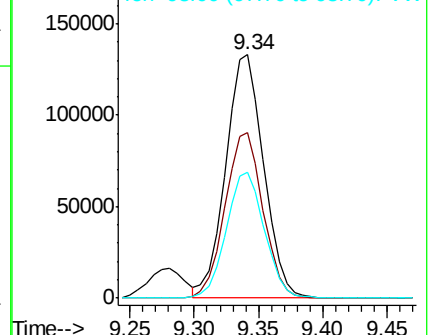
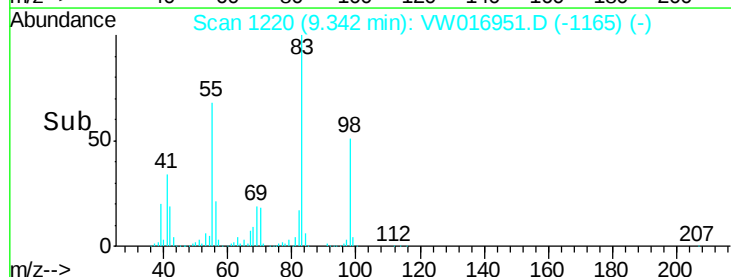
98 51.5 41.4 62.2

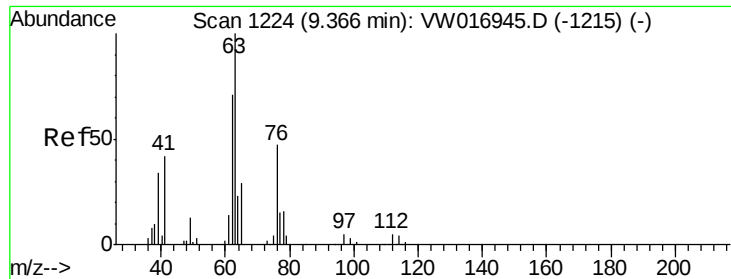


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 27.604 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

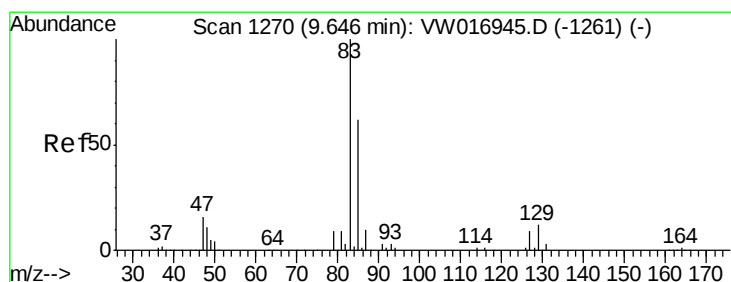
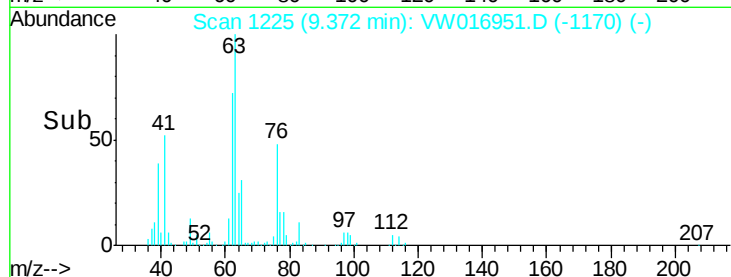
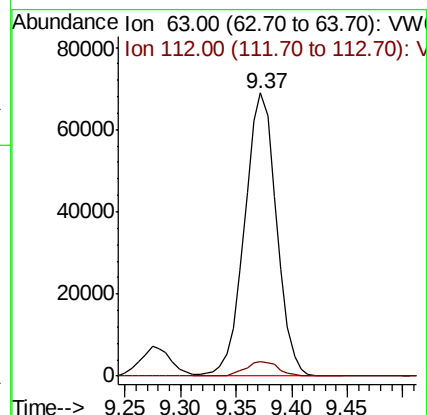
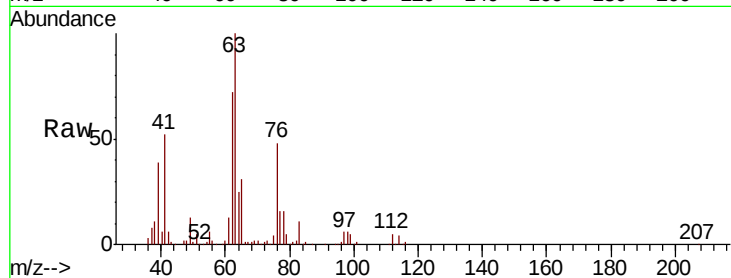
ClientSampled :

Tot Ion: 63 Resp: 137590

Ion Ratio Lower Upper

63 100

112 5.4 4.5 6.7



#41

Bromodichloromethane

Concen: 27.041 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

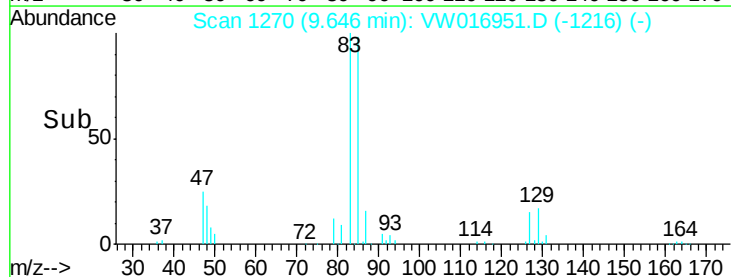
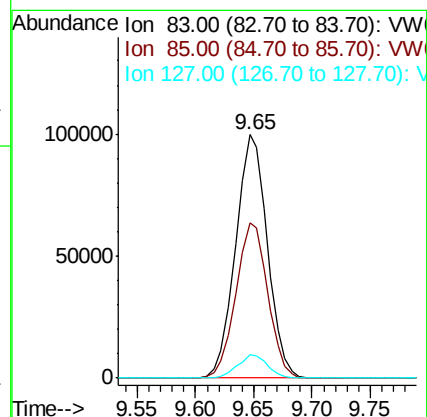
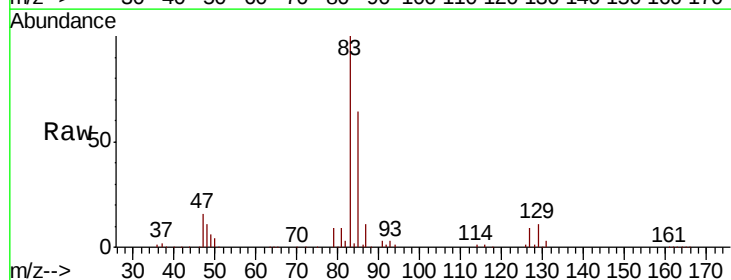
Tgt Ion: 83 Resp: 189349

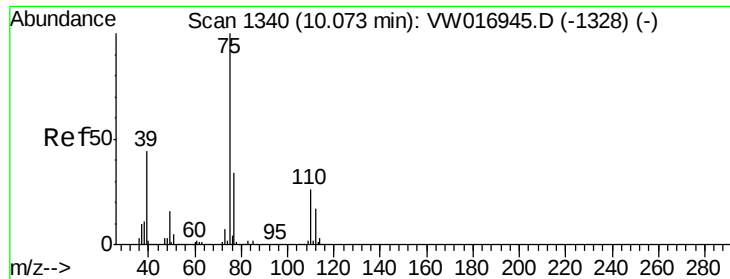
Ion Ratio Lower Upper

83 100

85 63.8 46.2 85.8

127 9.4 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 26.833 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

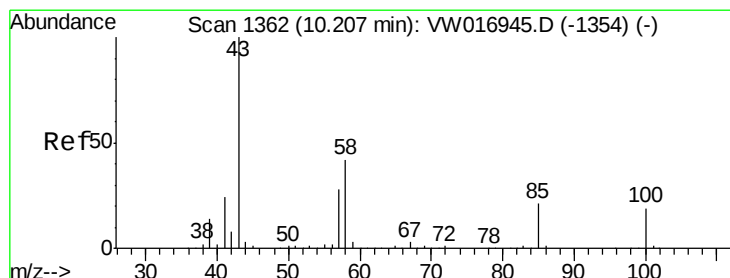
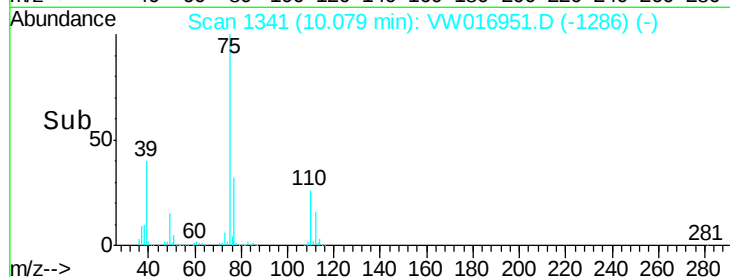
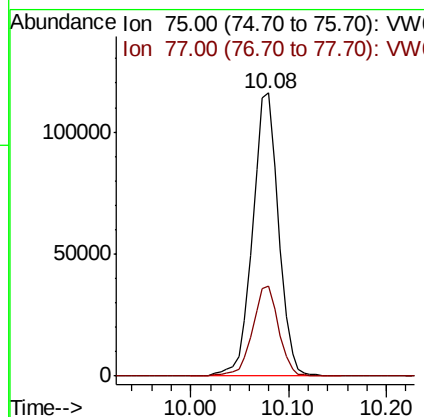
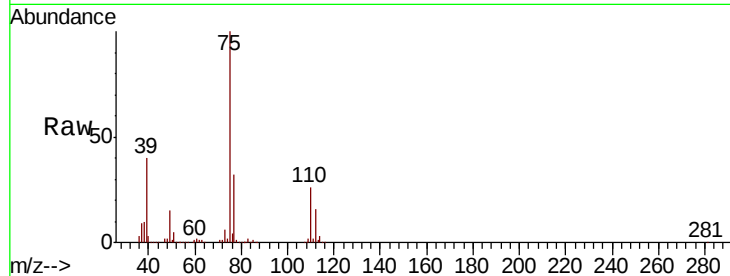
ClientSampleId :

Tot Ion: 75 Resp: 213242

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 54.227 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

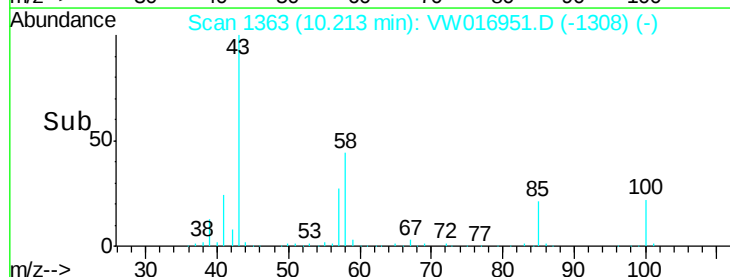
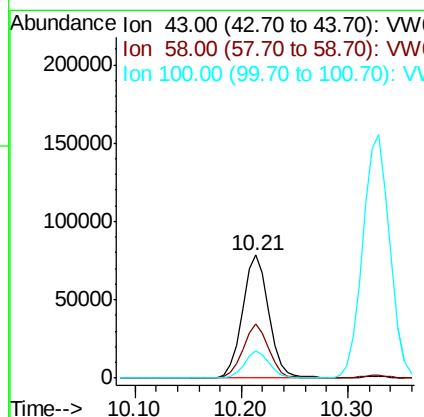
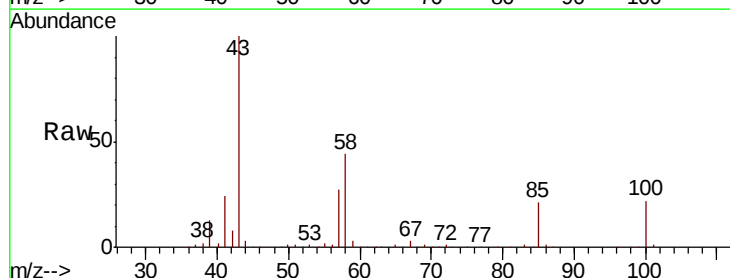
Tgt Ion: 43 Resp: 136074

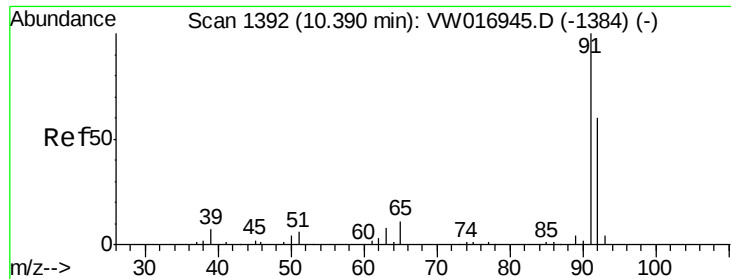
Ion Ratio Lower Upper

43 100

58 43.0 34.7 52.1

100 21.1 16.9 25.3





#44

Toluene

Concen: 27.051 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

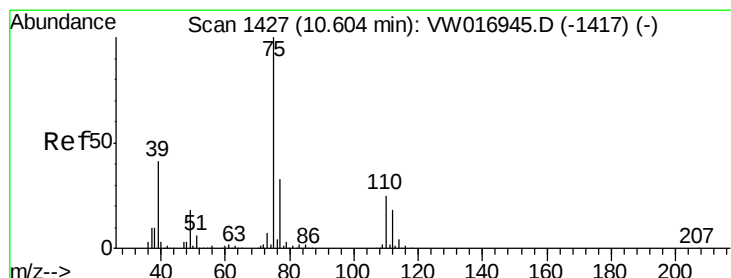
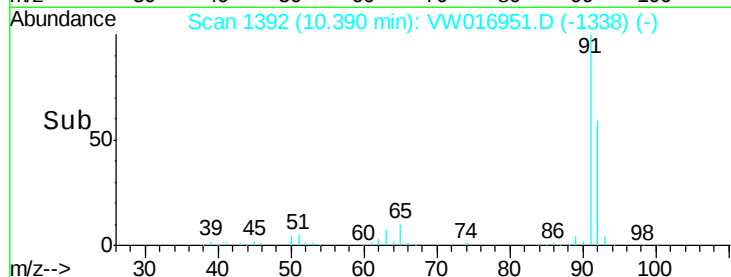
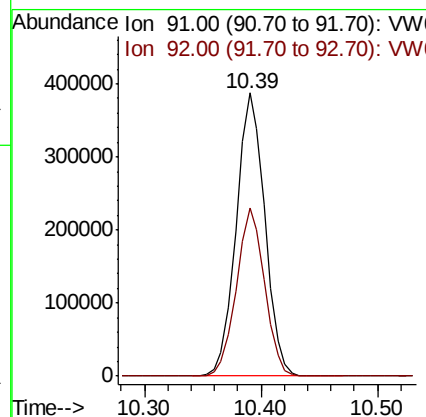
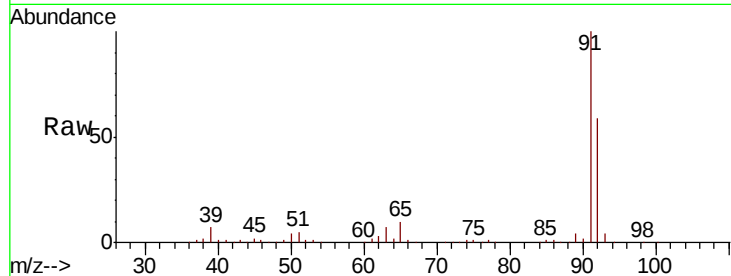
ClientSampled :

Tot Ion: 91 Resp: 661494

Ion Ratio Lower Upper

91 100

92 59.3 39.4 73.2



#45

trans-1,3-Dichloropropene

Concen: 27.078 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW016951.D

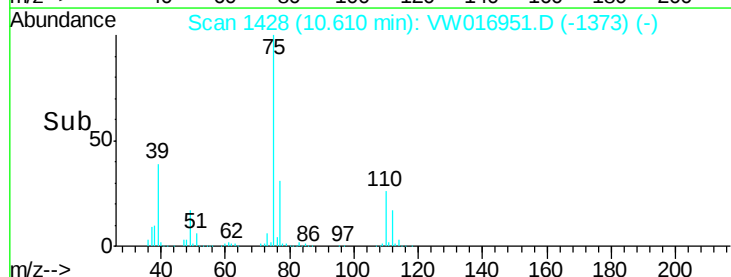
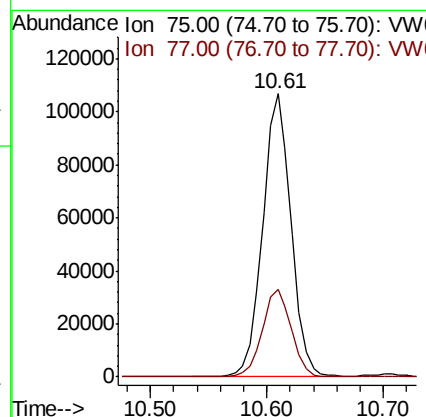
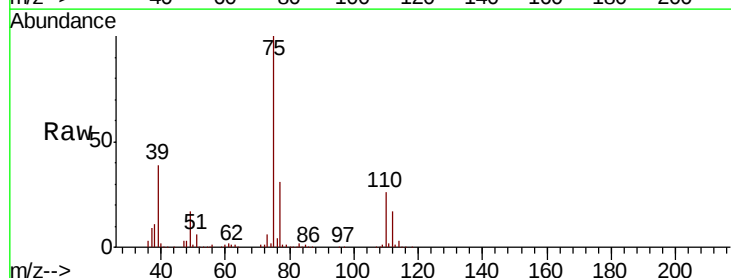
Acq: 20 Oct 2020 14:24

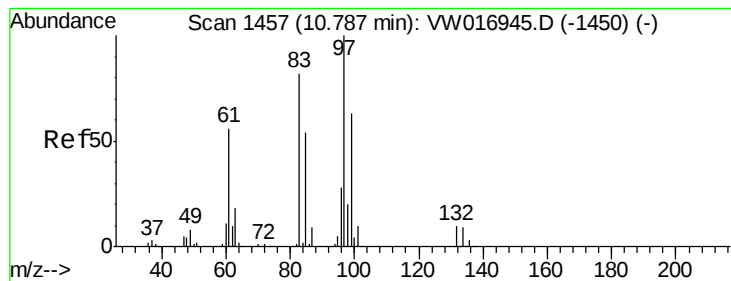
Tgt Ion: 75 Resp: 181080

Ion Ratio Lower Upper

75 100

77 30.8 22.2 41.2





#46

1,1,2-Trichloroethane

Concen: 27.567 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 111696

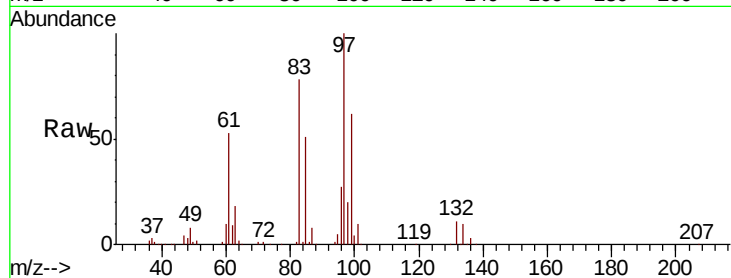
Ion Ratio Lower Upper

97 100

83 78.3 56.8 105.4

85 51.4 37.0 68.6

99 62.1 44.2 82.2

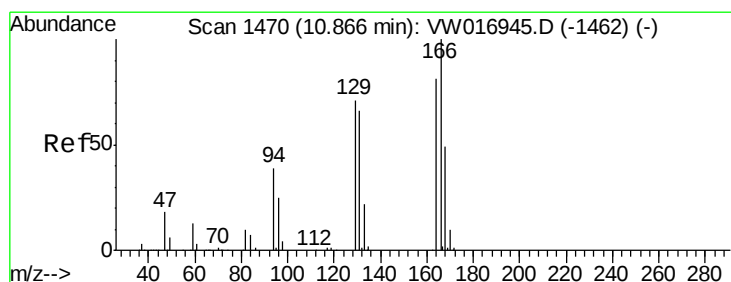
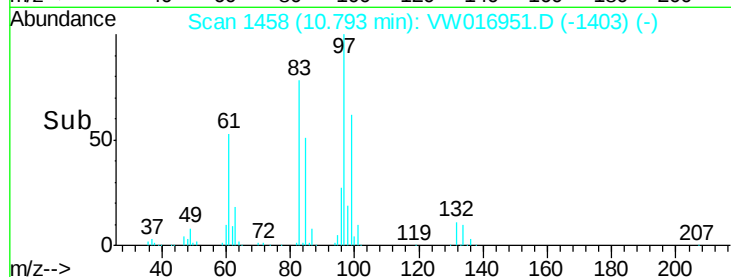
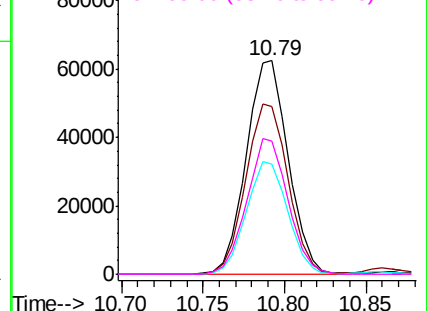


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.016 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Tgt Ion: 164 Resp: 144605

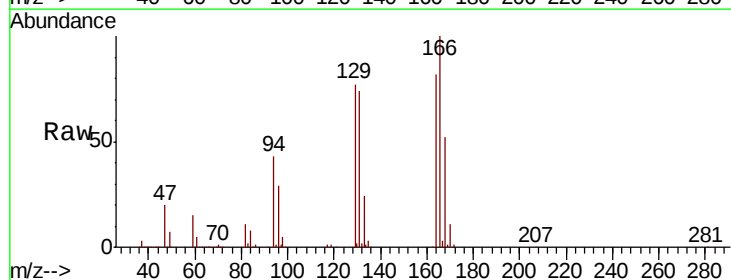
Ion Ratio Lower Upper

164 100

129 94.3 61.7 114.7

131 89.7 59.7 110.9

166 121.8 88.3 164.1

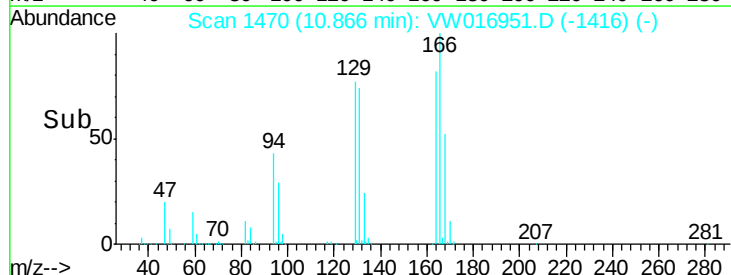
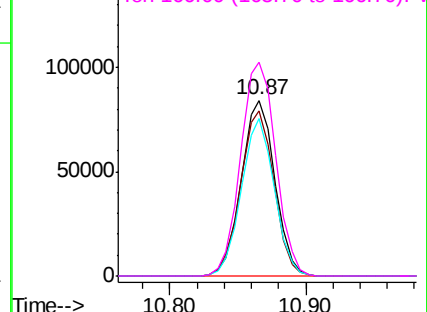


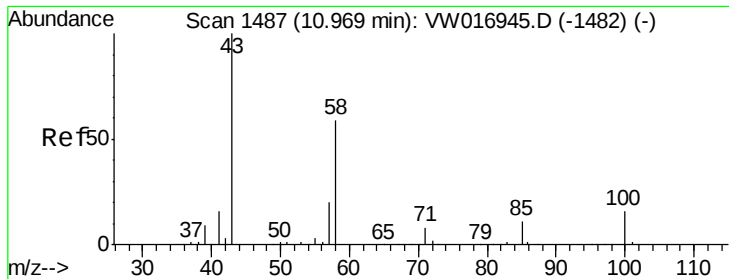
Abundance Ion 164.00 (163.70 to 164.70): V

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: 54.211 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 89789

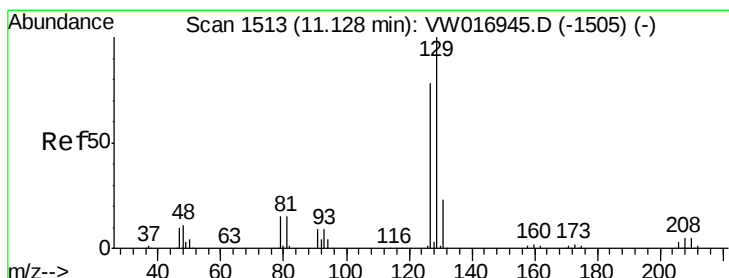
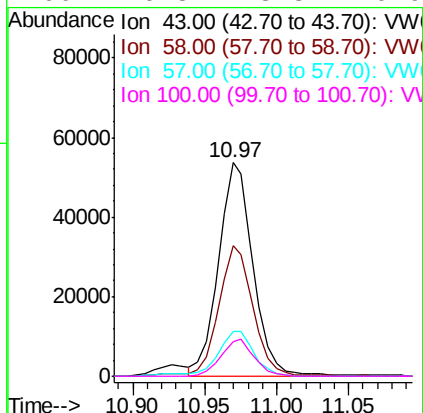
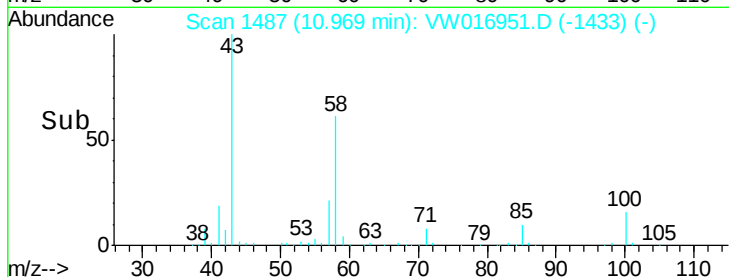
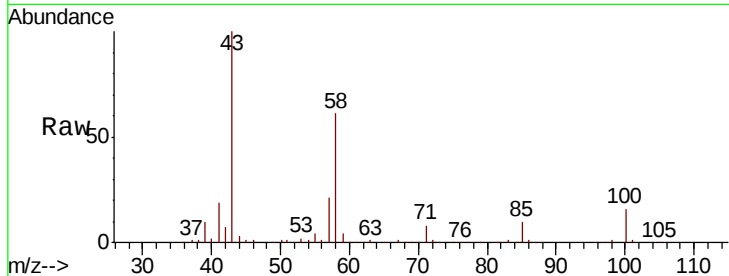
Ion Ratio Lower Upper

43 100

58 59.9 47.1 70.7

57 21.5 16.2 24.4

100 16.8 13.3 19.9



#50

Dibromochloromethane

Concen: 27.561 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016951.D

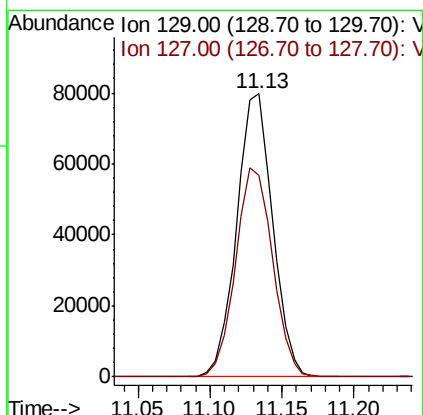
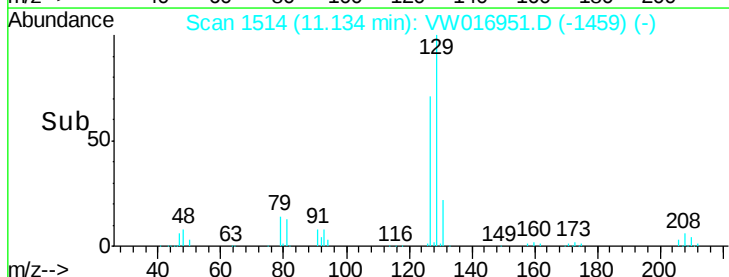
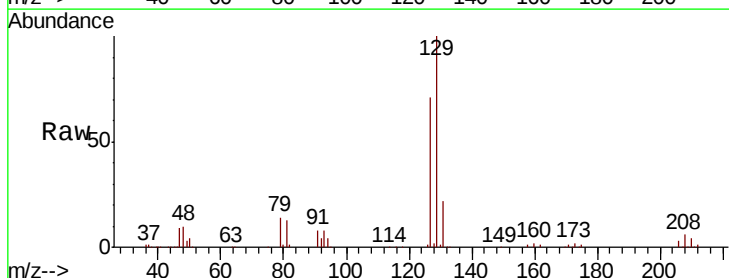
Acq: 20 Oct 2020 14:24

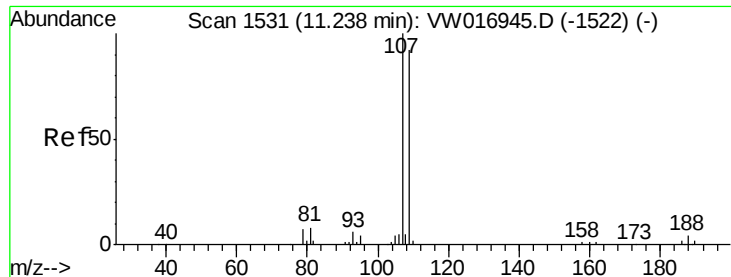
Tgt Ion: 129 Resp: 138828

Ion Ratio Lower Upper

129 100

127 71.1 54.0 100.4

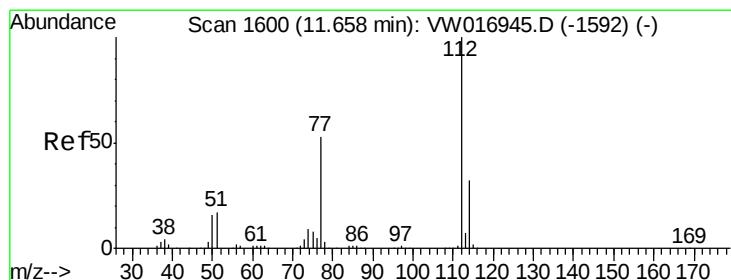
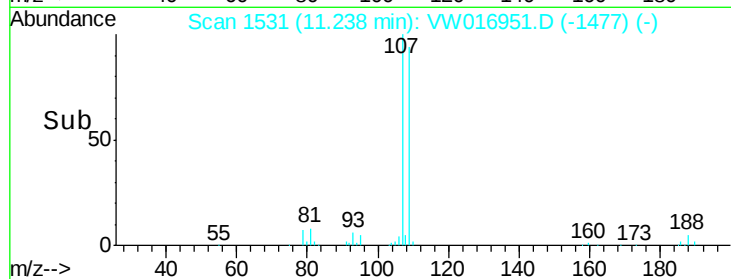
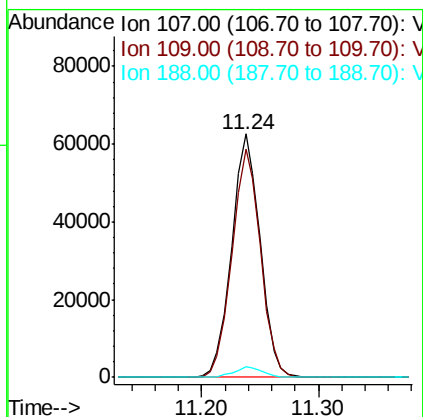
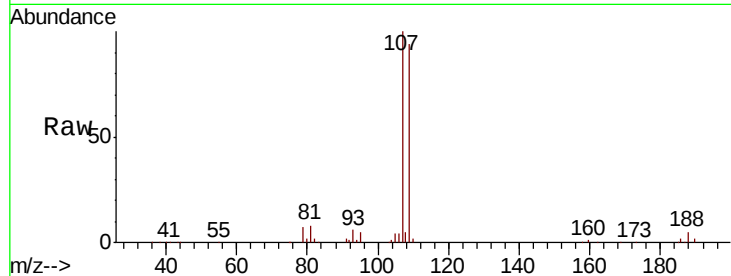




#51
 1,2-Dibromoethane
 Concen: 26.758 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016951.D
 Acq: 20 Oct 2020 14:24

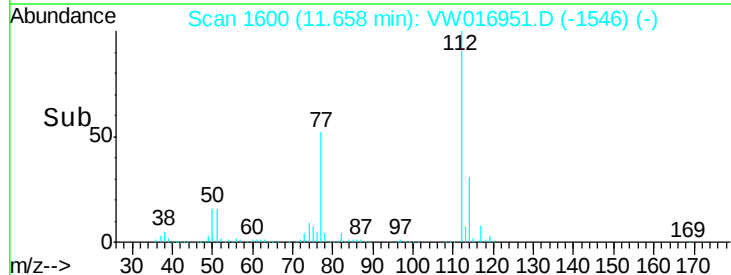
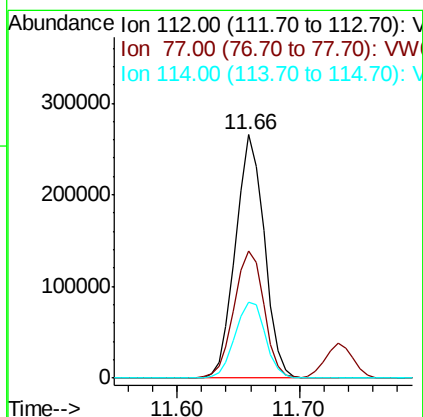
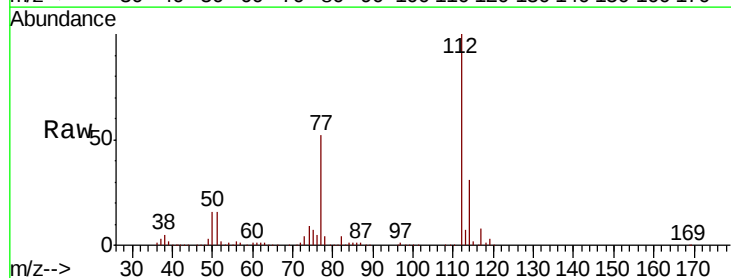
Instrument :
 MSVOA_W
 ClientSampleId :

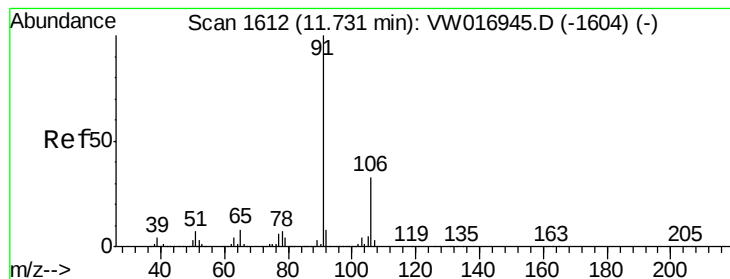
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	68.4	127.0
188	4.5	3.4	5.0



#52
 Chlorobenzene
 Concen: 26.423 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016951.D
 Acq: 20 Oct 2020 14:24

Tgt Ion	Ratio	Lower	Upper
112	100		
77	52.4	44.0	66.0
114	31.0	22.3	41.3





#53

Ethylbenzene

Concen: 27.296 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

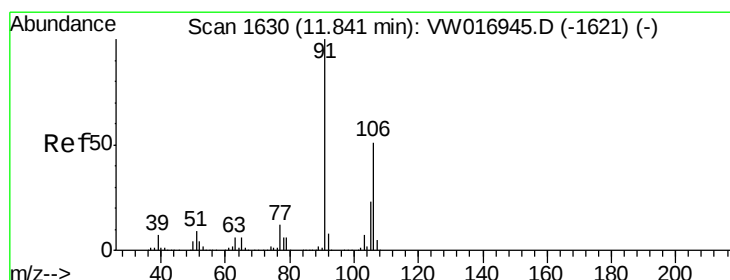
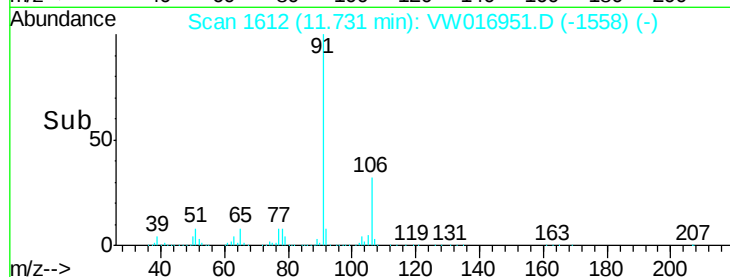
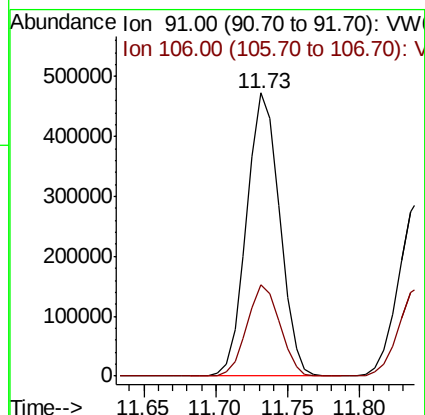
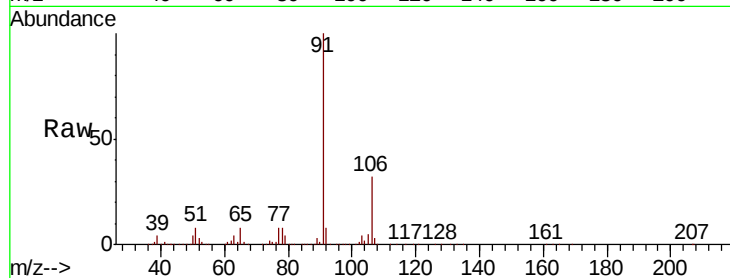
ClientSampleId :

Tot Ion: 91 Resp: 748770

Ion Ratio Lower Upper

91 100

106 32.1 22.8 42.4



#54

m,p-Xylene

Concen: 27.095 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016951.D

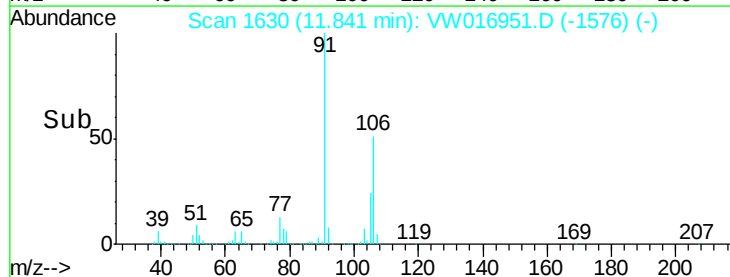
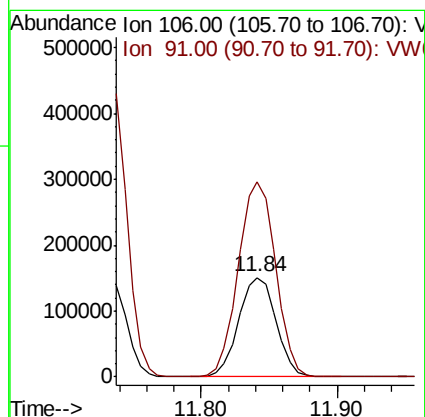
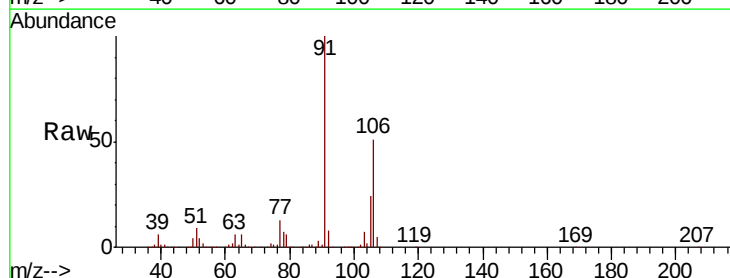
Acq: 20 Oct 2020 14:24

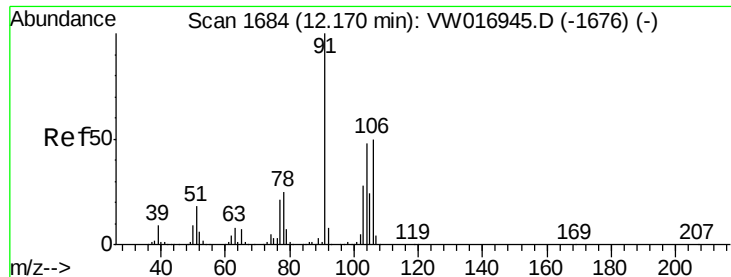
Tgt Ion: 106 Resp: 289072

Ion Ratio Lower Upper

106 100

91 196.6 135.6 251.8





#55

o-xylene

Concen: 26.991 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

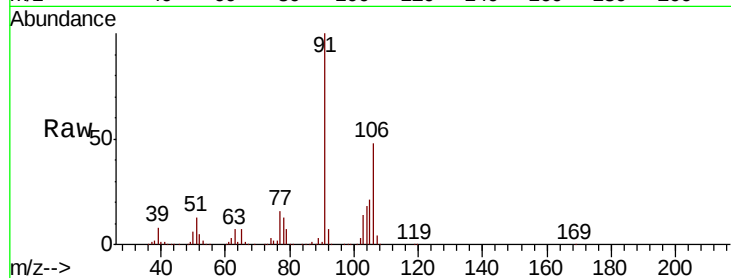
ClientSampled :

Tot Ion:106 Resp: 275126

Ion Ratio Lower Upper

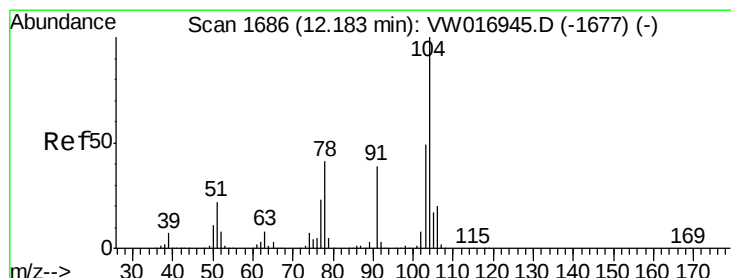
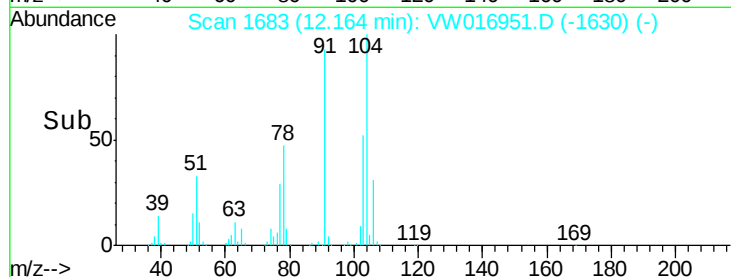
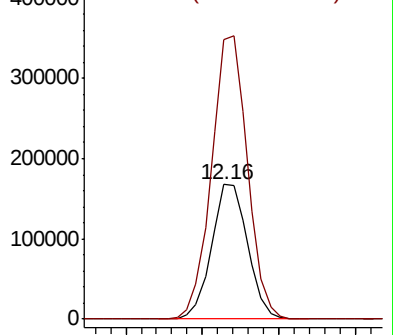
106 100

91 207.1 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.937 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016951.D

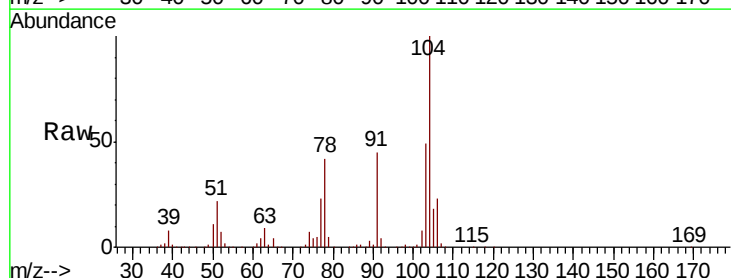
Acq: 20 Oct 2020 14:24

Tgt Ion:104 Resp: 469924

Ion Ratio Lower Upper

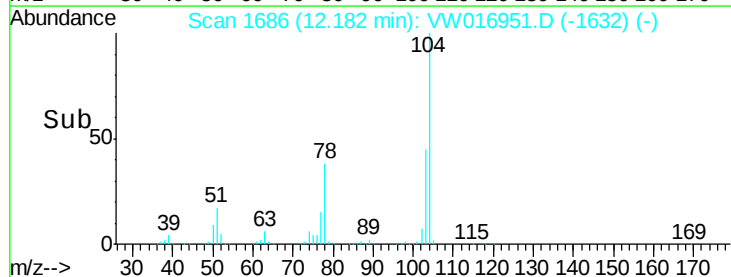
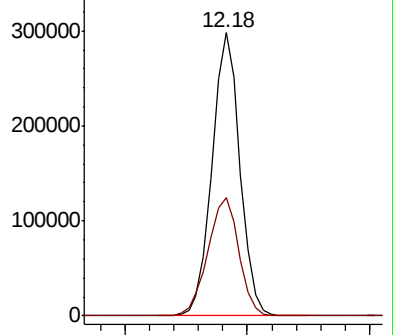
104 100

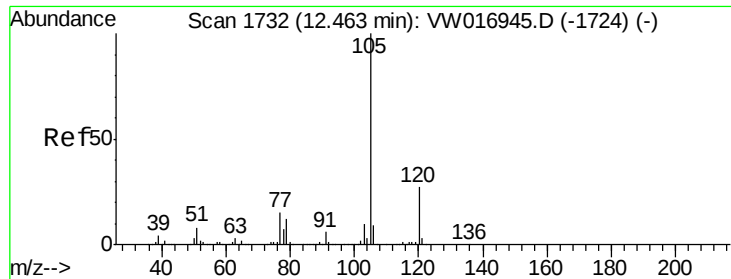
78 41.7 30.7 57.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.167 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW016951.D

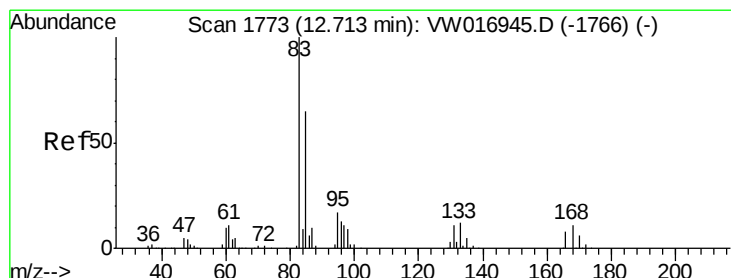
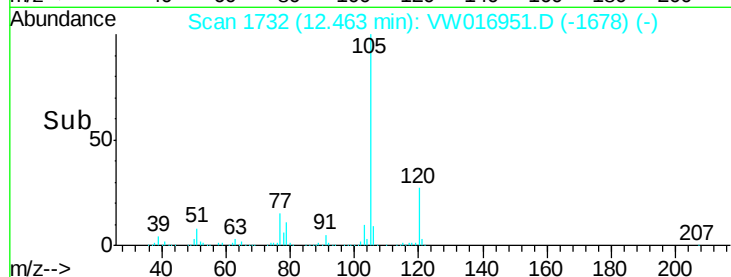
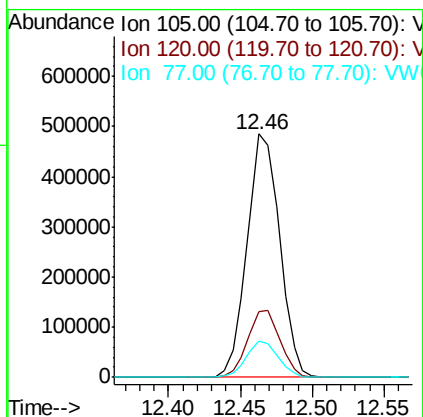
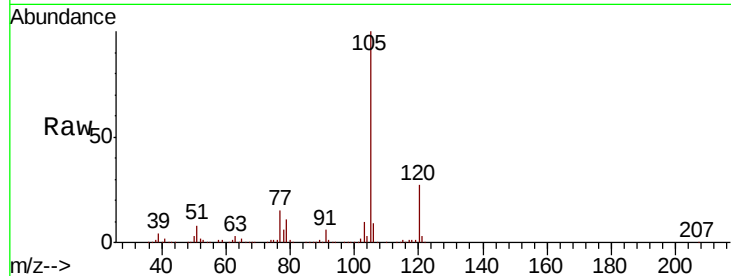
Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	105	Resp:	758295
Ion	Ratio	Lower	Upper
105	100		
120	27.4	21.5	32.3
77	14.6	11.4	17.2



#58

1,1,2,2-Tetrachloroethane

Concen: 27.725 ug/L

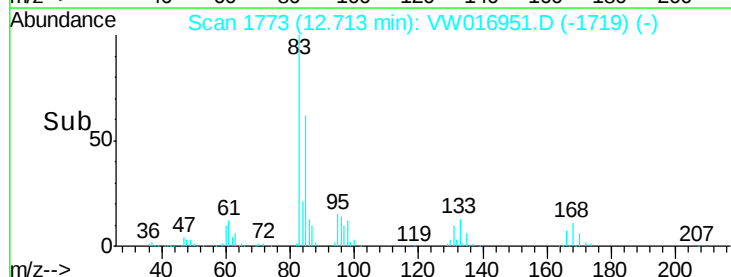
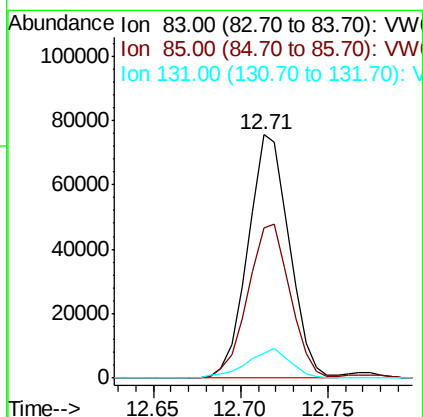
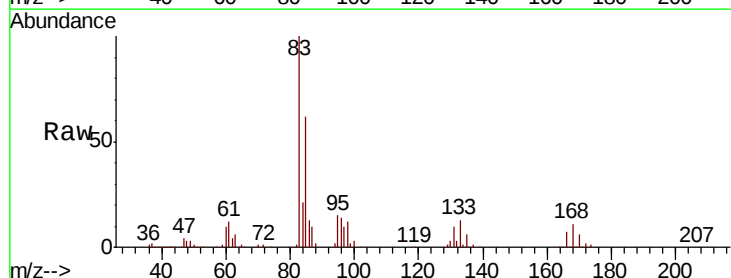
RT: 12.71 min Scan# 1773

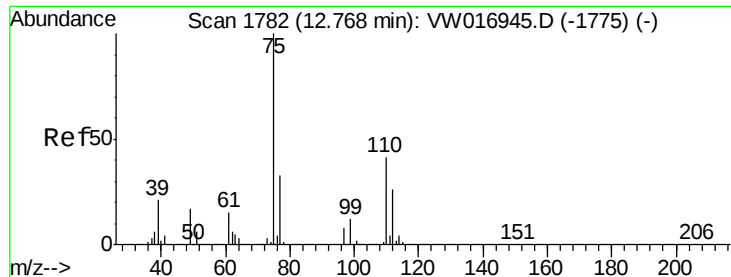
Delta R.T. -0.00 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Tgt Ion:	83	Resp:	124149
Ion	Ratio	Lower	Upper
83	100		
85	61.7	43.3	80.5
131	10.0	9.0	13.4

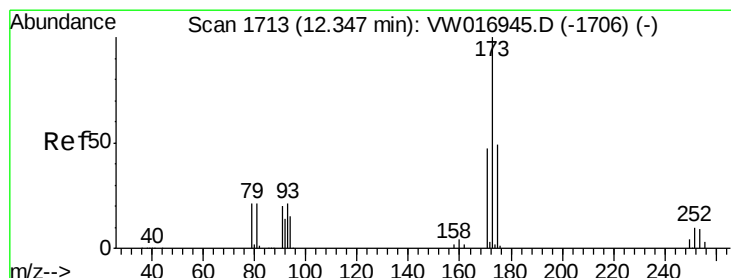
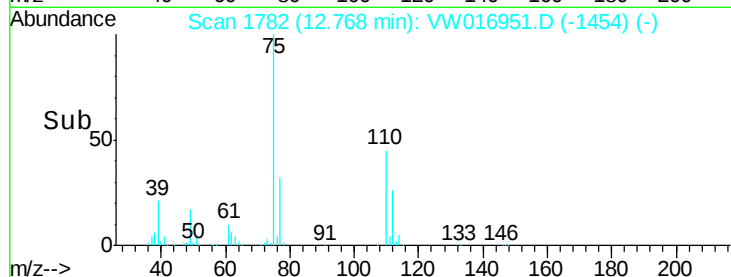
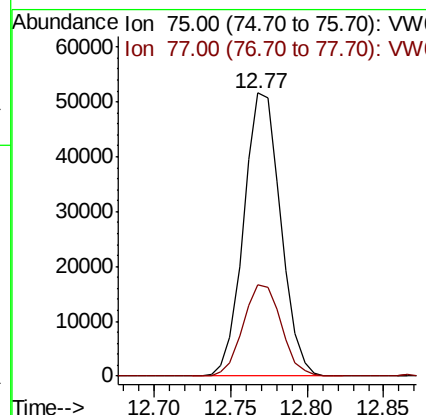
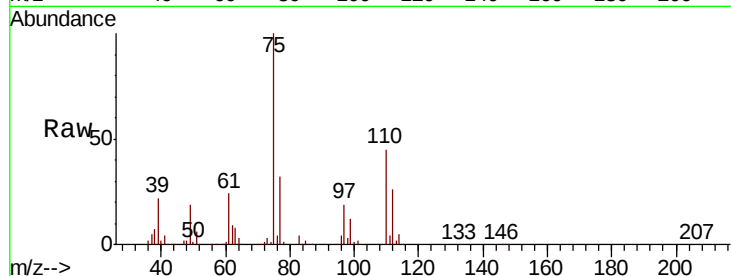




#59
 1,2,3-Trichloropropane
 Concen: 26.764 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW016951.D
 Acq: 20 Oct 2020 14:24

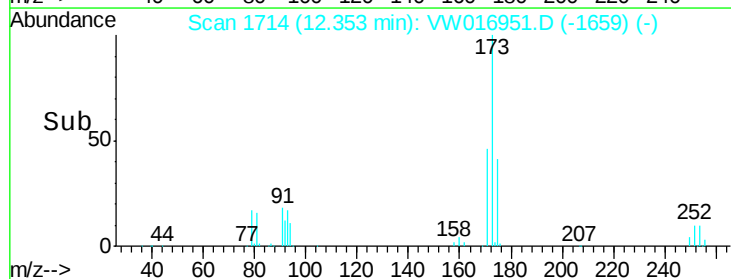
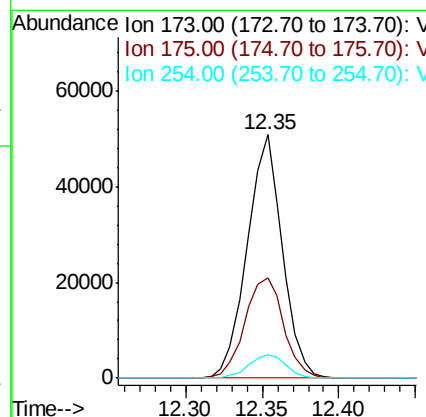
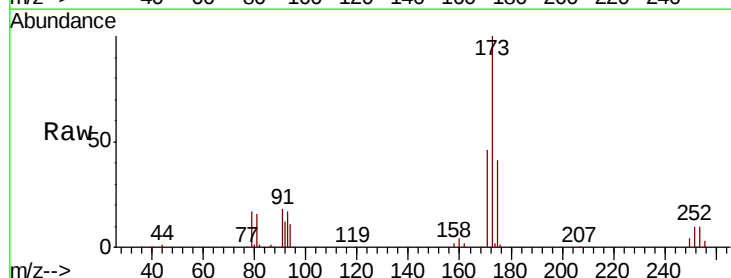
Instrument :
 MSVOA_W
 ClientSampleId :

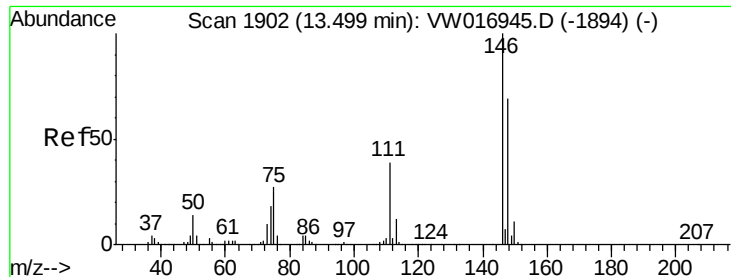
Tot Ion: 75 Resp: 86820
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.2 39.2



#62
 Bromoform
 Concen: 26.862 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW016951.D
 Acq: 20 Oct 2020 14:24

Tgt Ion: 173 Resp: 81149
 Ion Ratio Lower Upper
 173 100
 175 45.4 39.9 59.9
 254 10.3 8.7 13.1

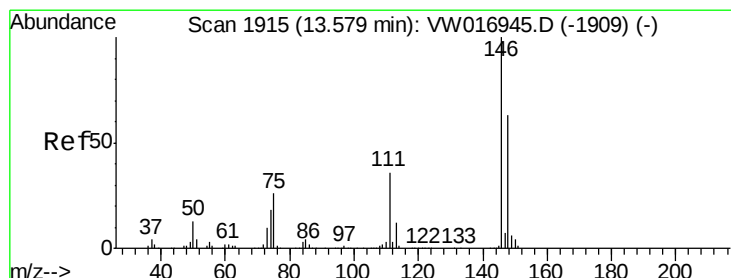
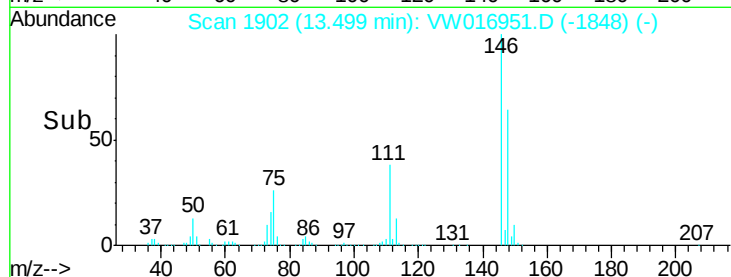
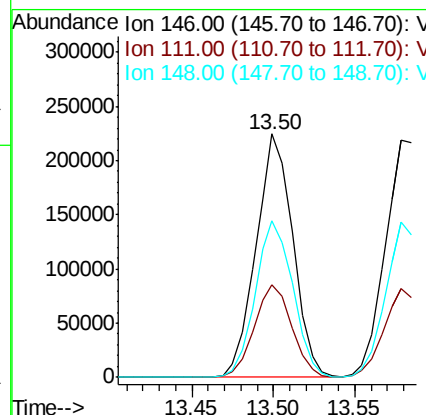
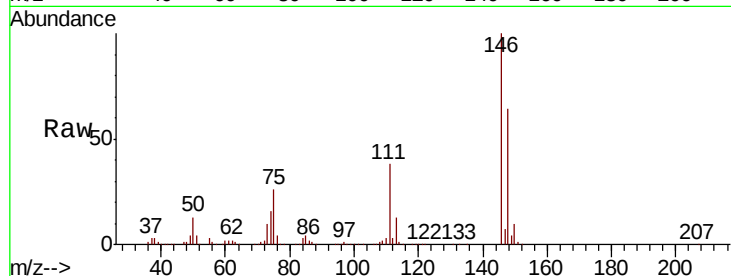




#63
 1,3-Dichlorobenzene
 Concen: 25.722 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016951.D
 Acq: 20 Oct 2020 14:24

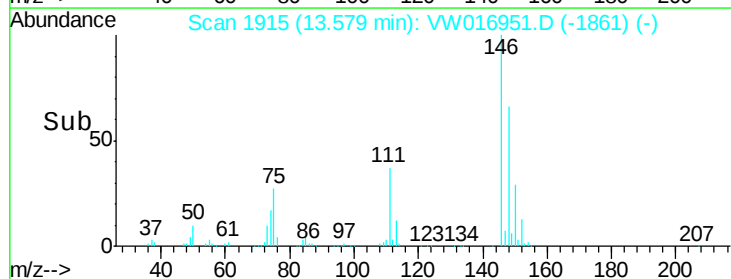
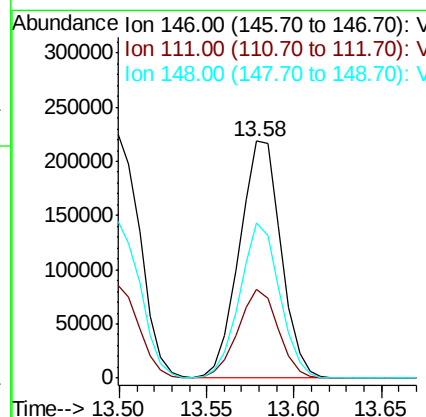
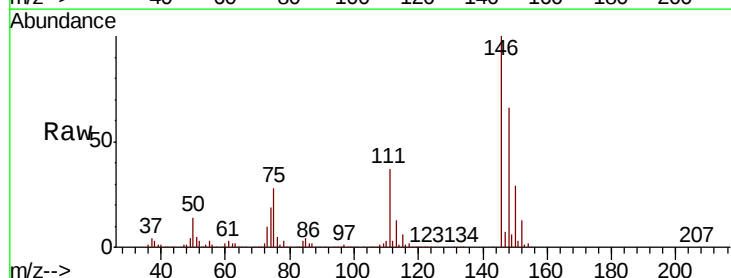
Instrument :
 MSVOA_W
 ClientSampled :

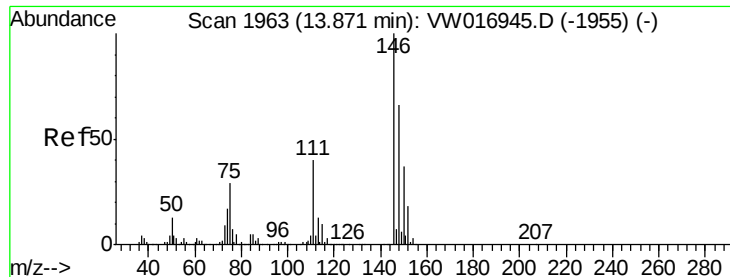
Tot Ion:146 Resp: 351549
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.9 49.9
 148 64.1 45.7 84.9



#64
 1,4-Dichlorobenzene
 Concen: 26.427 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016951.D
 Acq: 20 Oct 2020 14:24

Tgt Ion:146 Resp: 361215
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.0 48.4
 148 65.7 43.9 81.5

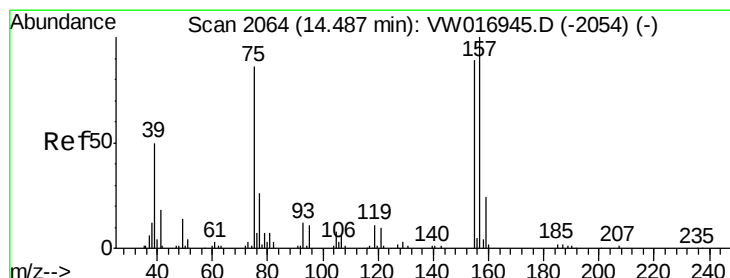
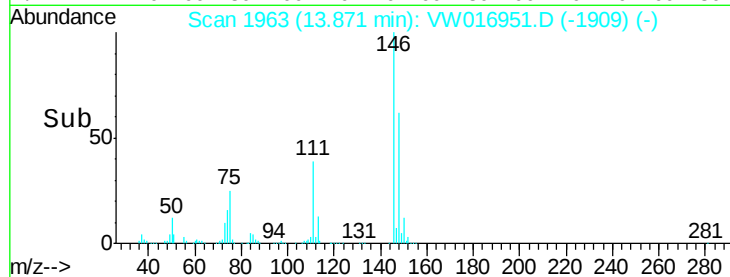
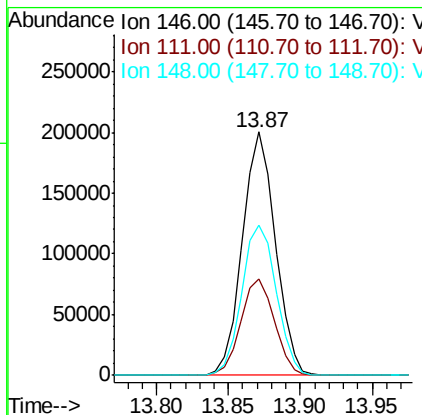
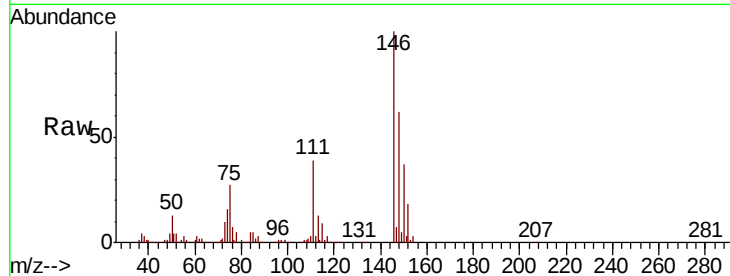




#65
 1,2-Dichlorobenzene
 Concen: 26.005 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016951.D
 Acq: 20 Oct 2020 14:24

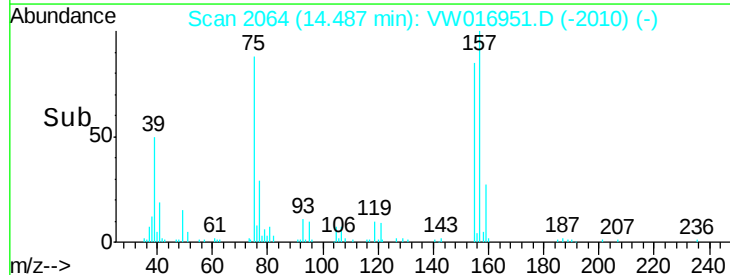
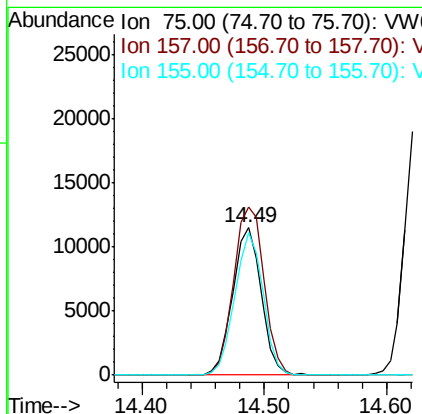
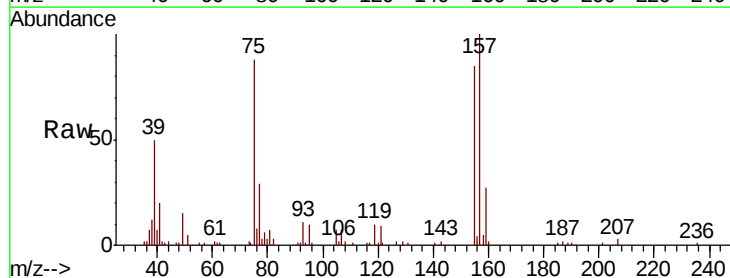
Instrument :
 MSVOA_W
 ClientSampleId :

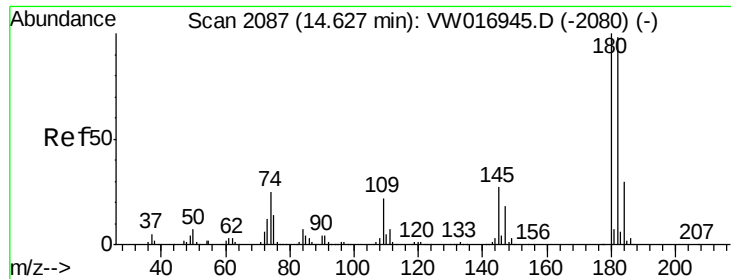
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	32.1	48.1
148	61.8	51.8	77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.118 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016951.D
 Acq: 20 Oct 2020 14:24

Tgt Ion	Ratio	Lower	Upper
75	100		
157	114.2	100.5	150.7
155	96.8	74.7	112.1

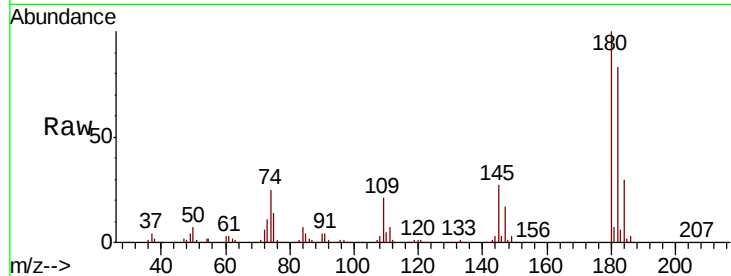




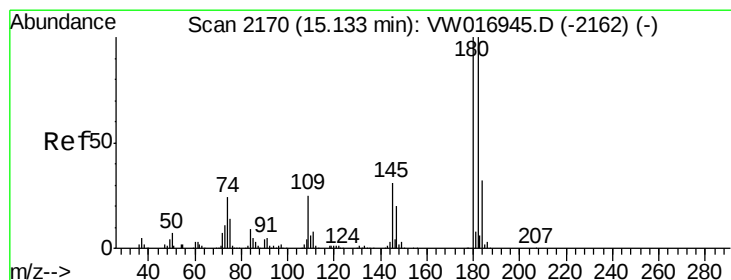
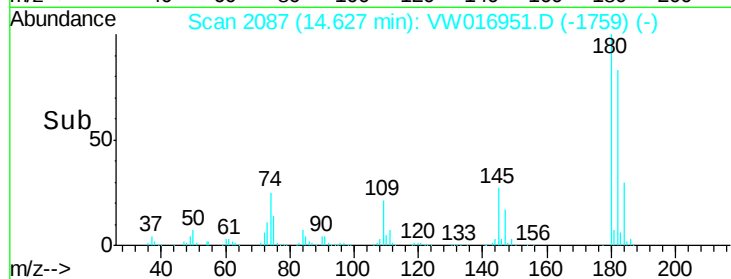
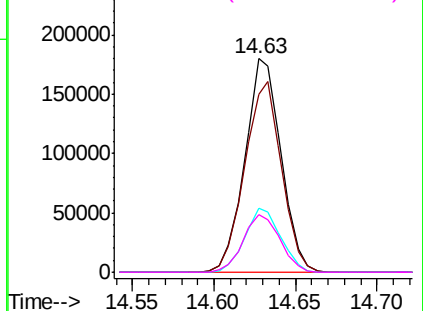
#67
 1,3,5-Trichlorobenzene
 Concen: 27.354 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW016951.D
 Acq: 20 Oct 2020 14:24

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	180	Resp:	277892
Ion	Ratio	Lower	Upper
180	100		
182	90.7	79.0	118.6
184	29.7	24.9	37.3
145	27.6	23.0	34.4

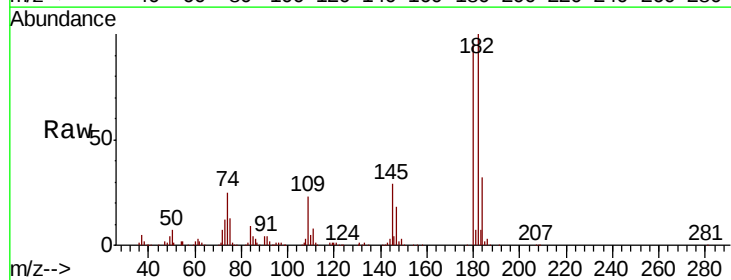


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

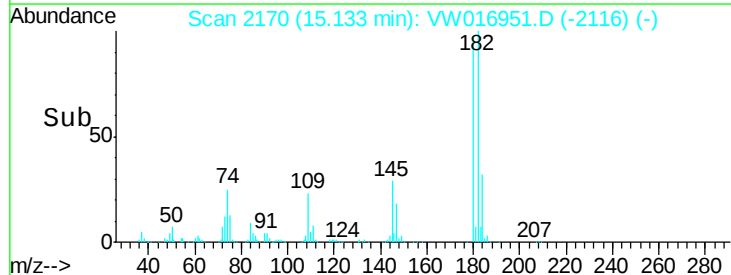
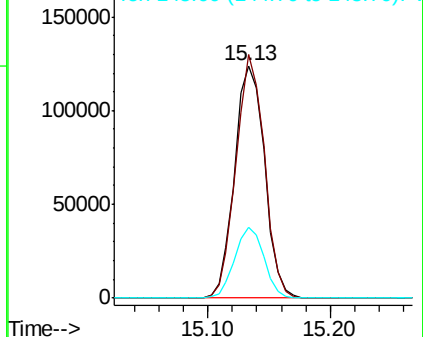


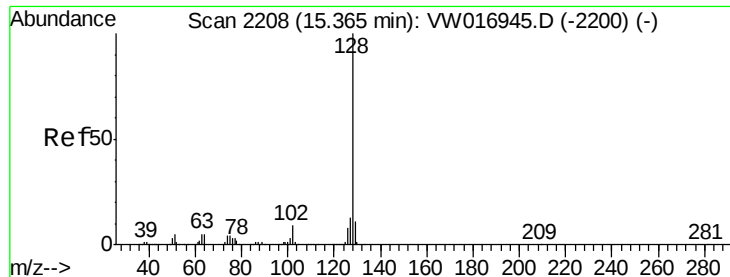
#68
 1,2,4-trichlorobenzene
 Concen: 25.194 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016951.D
 Acq: 20 Oct 2020 14:24

Tgt Ion:	180	Resp:	210222
Ion	Ratio	Lower	Upper
180	100		
182	99.2	74.2	111.2
145	29.7	23.4	35.0



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





#69

Naphthalene

Concen: 26.629 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

Instrument :

MSVOA_W

ClientSampled :

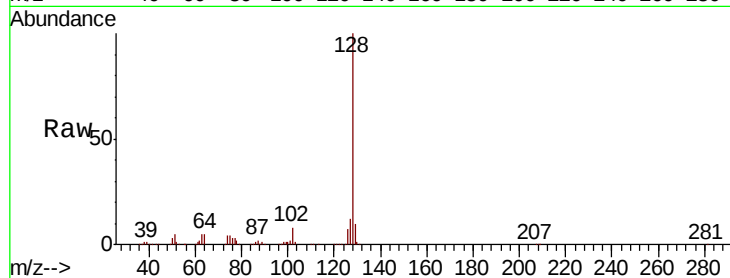
Tot Ion:128 Resp: 367945

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

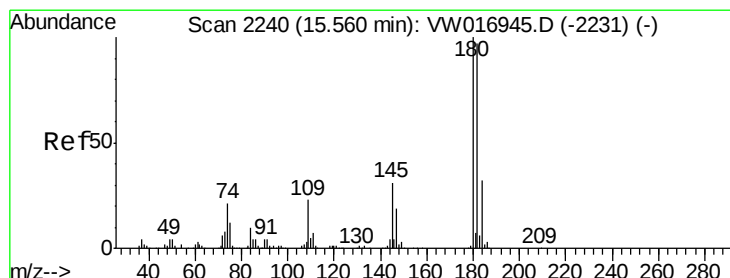
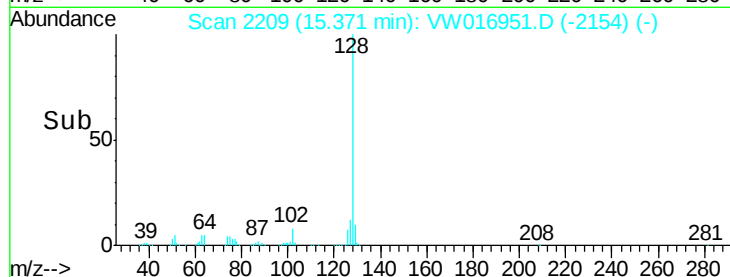
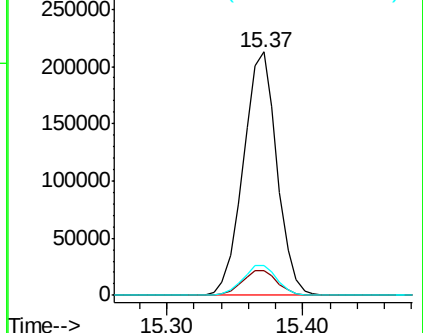
127 12.5 10.1 15.1



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: 26.254 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016951.D

Acq: 20 Oct 2020 14:24

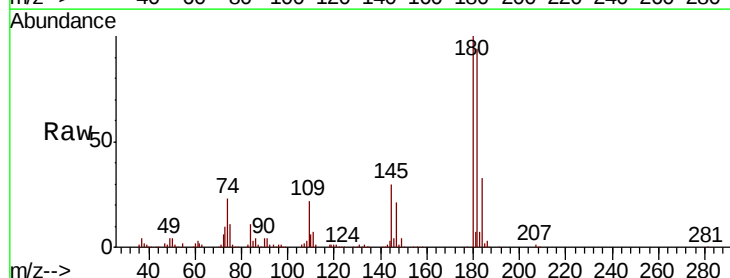
Tgt Ion:180 Resp: 188244

Ion Ratio Lower Upper

180 100

182 95.7 74.1 111.1

145 31.0 24.8 37.2



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

