

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101720\
 Data File : VW016935.D
 Acq On : 16 Oct 2020 18:49
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 17 00:45:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 17 00:37:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	482160	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	437847	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	225381	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	105860	22.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.04%
7) Chloroethane-d5	2.89	69	94295	23.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.52%
10) 1,1-Dichloroethene-d2	4.03	63	230360	22.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.24%
20) 2-Butanone-d5	7.08	46	61625	57.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.40%
24) Chloroform-d	7.65	84	271595	26.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.76%
26) 1,2-Dichloroethane-d4	8.31	65	130182	26.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.96%
29) Benzene-d6	8.28	84	519628	26.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.52%
33) 1,2-Dichloropropane-d6	9.27	67	148924	27.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.48%
37) Toluene-d8	10.32	98	485541	25.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.52%
38) trans-1,3-Dichloropropene-	10.58	79	61148	25.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.76%
39) 2-Hexanone-d5	10.93	63	52402	63.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	126913	29.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	195647	27.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	110206	19.123	ug/L 92
3) Chloromethane	2.21	50	94836	18.668	ug/L 99
5) Vinyl chloride	2.37	62	152144	23.069	ug/L 98
6) Bromomethane	2.78	94	102300	21.099	ug/L 100
8) Chloroethane	2.93	64	89621	22.018	ug/L 99
9) Trichlorofluoromethane	3.26	101	100415	19.706	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	149906	23.092	ug/L 98
12) 1,1-Dichloroethene	4.05	96	139367	22.356	ug/L 96
13) Acetone	4.12	43	33002	40.478	ug/L 99
14) Carbon disulfide	4.39	76	374638	20.958	ug/L 99
15) Methyl Acetate	4.67	43	44368	22.776	ug/L 99
16) Methylene chloride	4.92	84	143751	21.603	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	158661	22.744	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	145336	22.316	ug/L 99
19) 1,1-Dichloroethane	6.22	63	231884	23.121	ug/L 97
21) 2-Butanone	7.17	43	57904	42.307	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	152864	23.004	ug/L 96

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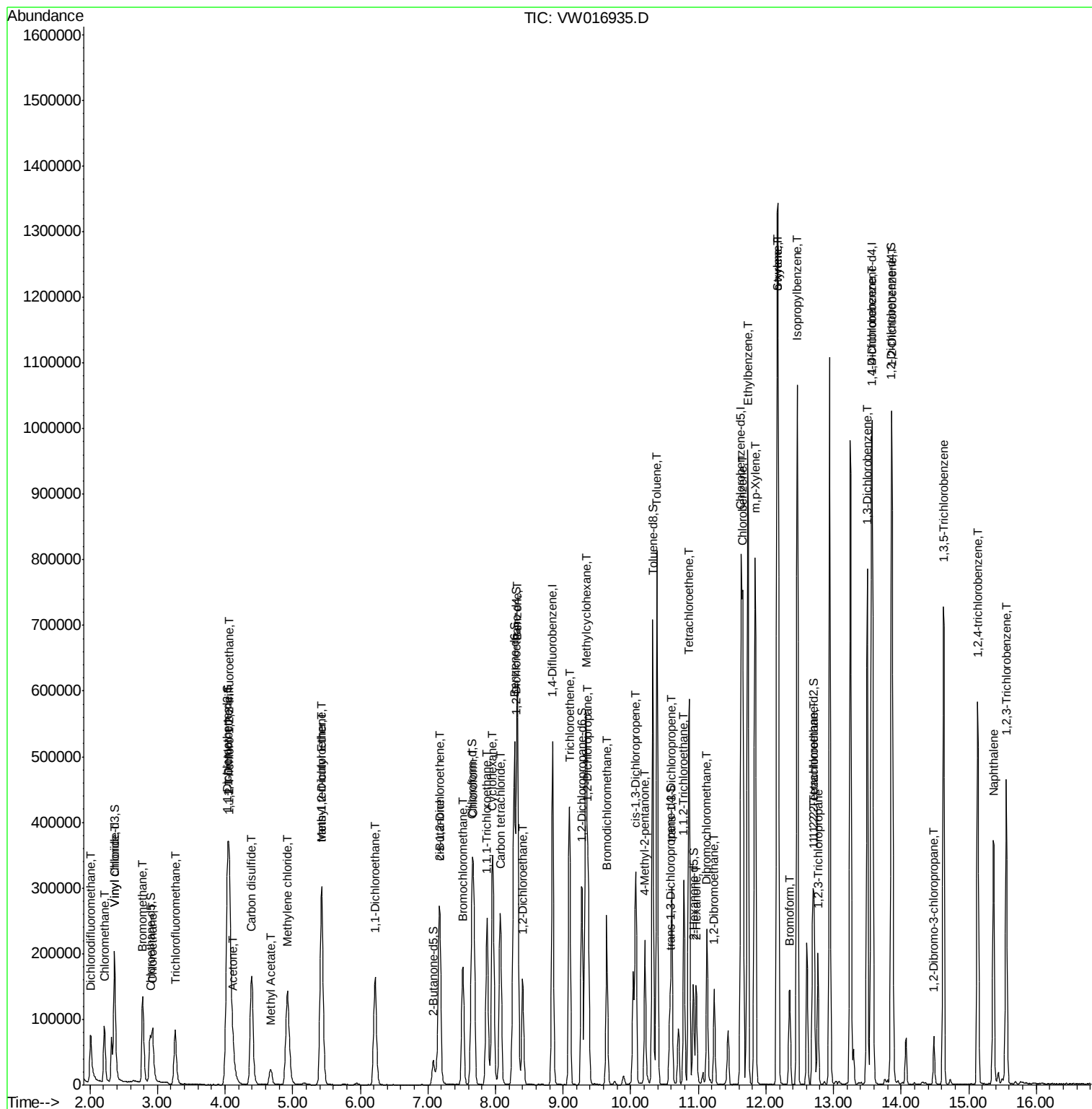
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	72633	23.276	ug/L	96
25) Chloroform	7.68	83	253840	23.438	ug/L	99
27) 1,2-Dichloroethane	8.40	62	147576	22.778	ug/L	100
30) Cyclohexane	7.96	56	199729	21.996	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	214151	22.999	ug/L	99
32) Carbon tetrachloride	8.07	117	204090	22.461	ug/L	100
34) Benzene	8.32	78	549728	23.380	ug/L	100
35) Trichloroethene	9.09	95	153120	23.022	ug/L	98
36) Methylcyclohexane	9.34	83	250700	22.418	ug/L	99
40) 1,2-Dichloropropane	9.37	63	127328	23.948	ug/L	100
41) Bromodichloromethane	9.65	83	176936	23.688	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	200173	23.614	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	132013	49.319	ug/L	99
44) Toluene	10.39	91	617521	23.674	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	167442	23.473	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	104648	24.212	ug/L	99
47) Tetrachloroethene	10.87	164	140802	22.835	ug/L	89
49) 2-Hexanone	10.97	43	89292	50.540	ug/L	98
50) Dibromochloromethane	11.13	129	127908	23.805	ug/L	98
51) 1,2-Dibromoethane	11.24	107	100050	23.556	ug/L	99
52) Chlorobenzene	11.66	112	400401	22.873	ug/L	96
53) Ethylbenzene	11.73	91	686349	23.456	ug/L	98
54) m,p-Xylene	11.84	106	270181	23.741	ug/L	100
55) o-xylene	12.17	106	258683	23.791	ug/L	99
56) Styrene	12.18	104	433530	24.162	ug/L	96
57) Isopropylbenzene	12.46	105	712905	23.944	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	115585	24.198	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	82651	23.886	ug/L	100
62) Bromoform	12.35	173	70947	22.377	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	332939	23.211	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	325658	22.702	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	293436	22.848	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	17202	22.082	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	245460	23.022	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	199842	22.820	ug/L	98
69) Naphthalene	15.36	128	341118	23.523	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	174509	23.190	ug/L	96

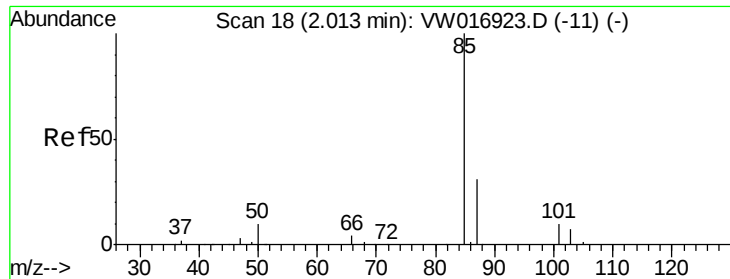
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.123 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

Instrument :

MSVOA_W

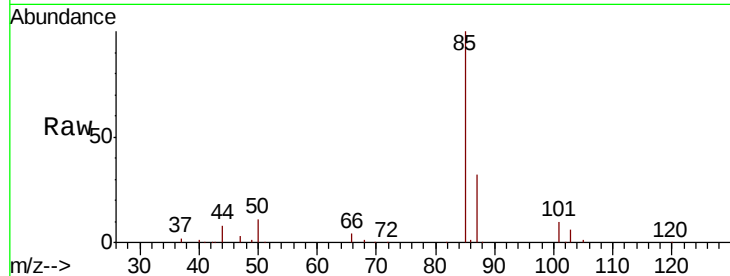
ClientSampleId :

Tot Ion: 85 Resp: 110206

Ion Ratio Lower Upper

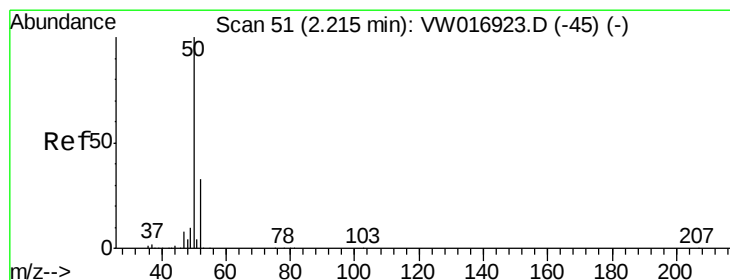
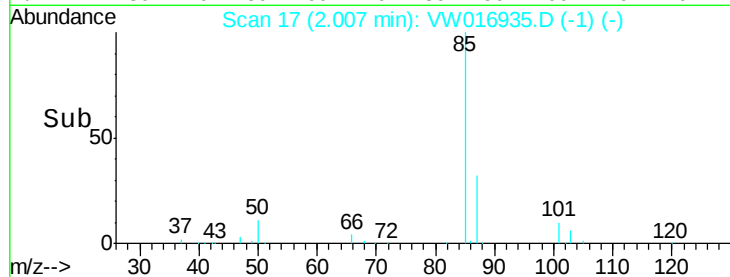
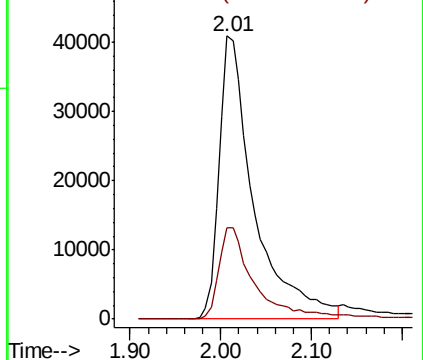
85 100

87 33.6 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: 18.668 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016935.D

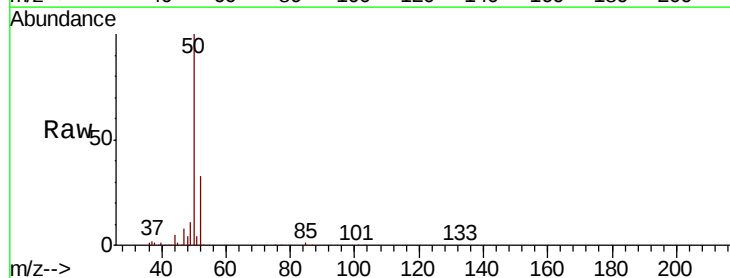
Acq: 16 Oct 2020 18:49

Tgt Ion: 50 Resp: 94836

Ion Ratio Lower Upper

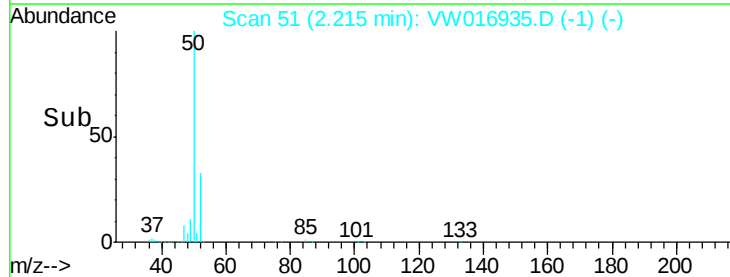
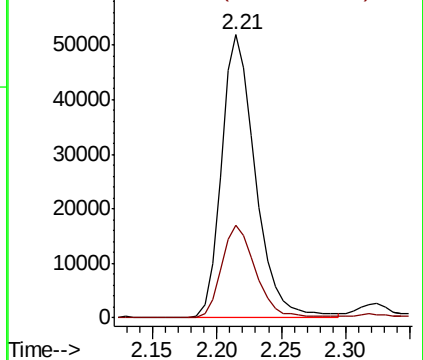
50 100

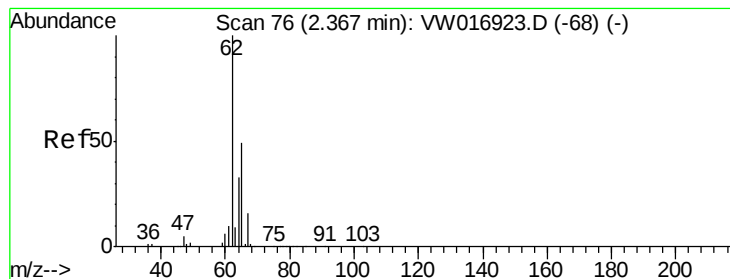
52 32.9 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.069 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

Instrument :

MSVOA_W

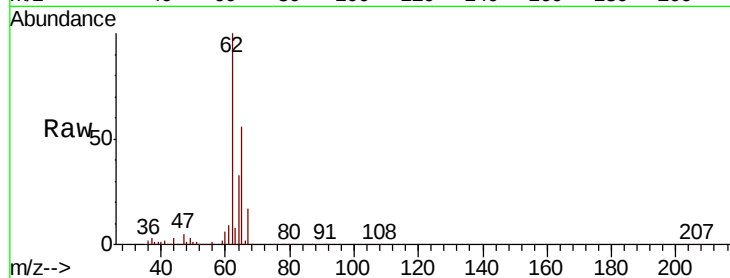
ClientSampleId :

Tot Ion: 62 Resp: 152144

Ion Ratio Lower Upper

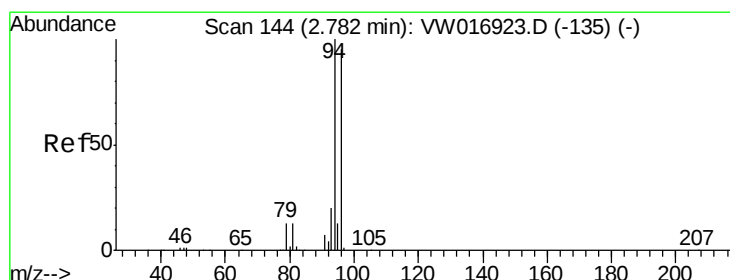
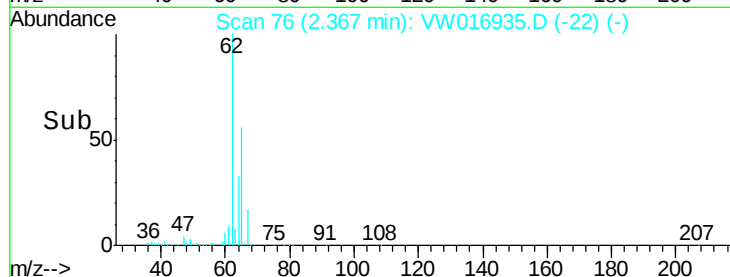
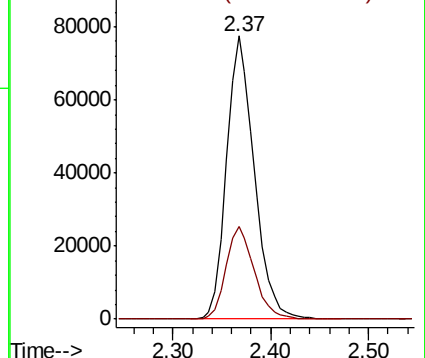
62 100

64 32.6 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 21.099 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016935.D

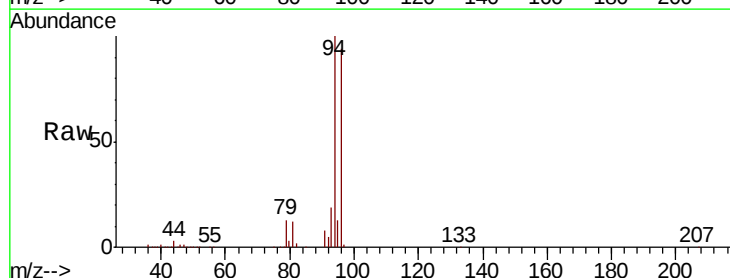
Acq: 16 Oct 2020 18:49

Tgt Ion: 94 Resp: 102300

Ion Ratio Lower Upper

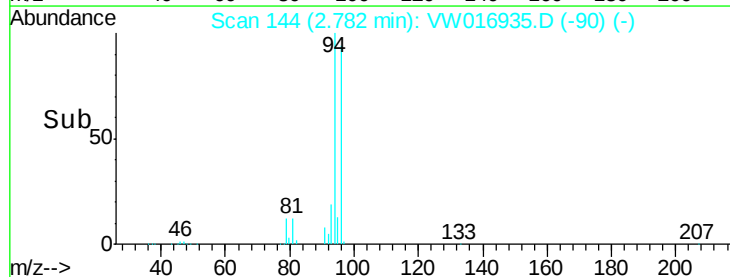
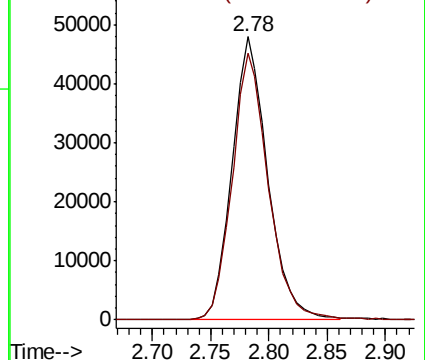
94 100

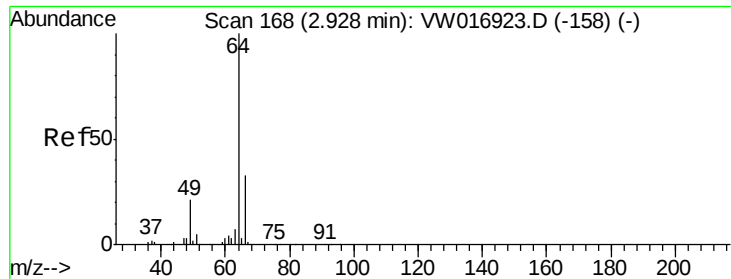
96 94.9 9.5 180.7



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 22.018 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

Instrument :

MSVOA_W

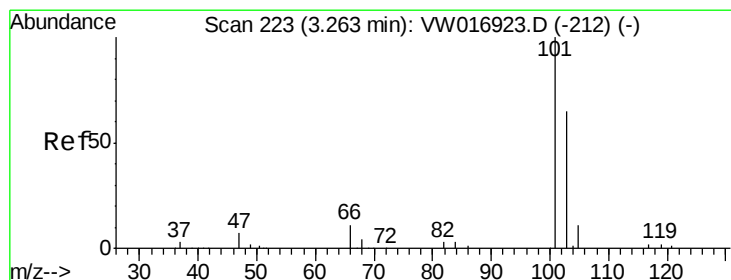
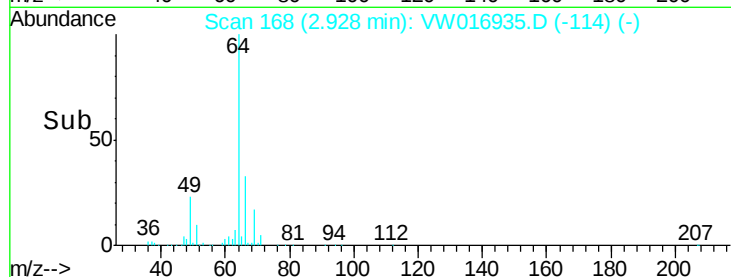
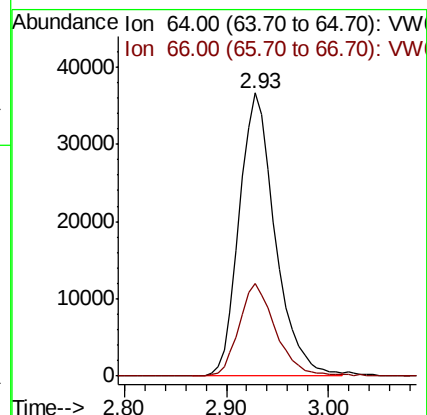
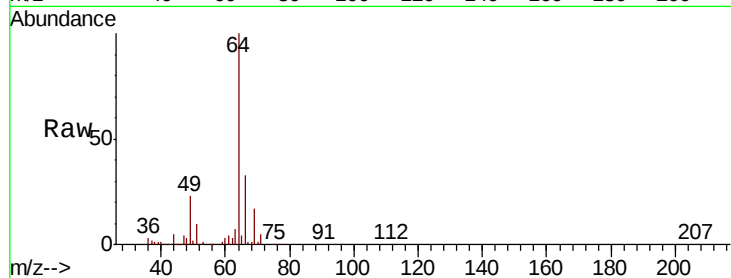
ClientSampleId :

Tot Ion: 64 Resp: 89621

Ion Ratio Lower Upper

64 100

66 32.9 22.5 41.7



#9

Trichlorofluoromethane

Concen: 19.706 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW016935.D

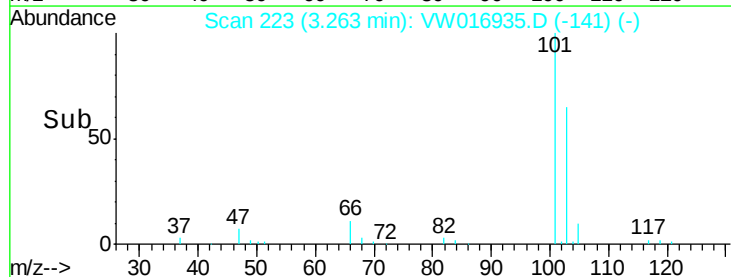
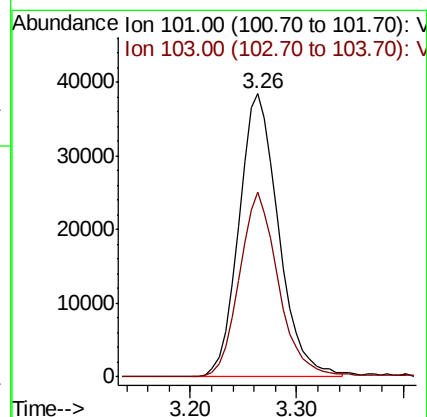
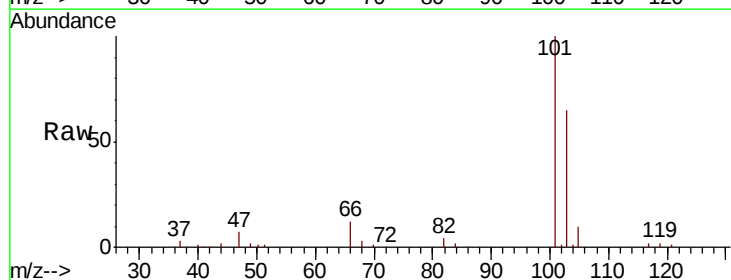
Acq: 16 Oct 2020 18:49

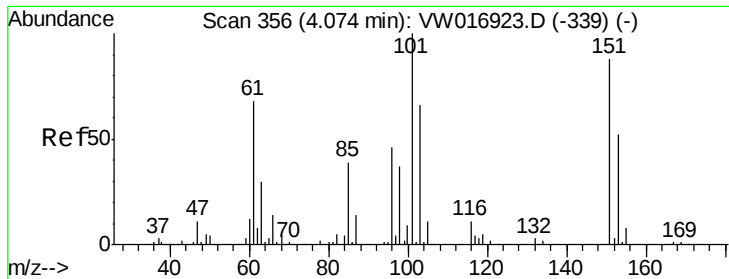
Tgt Ion: 101 Resp: 100415

Ion Ratio Lower Upper

101 100

103 64.2 45.2 84.0





#11

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

Concen: 23.092 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

Instrument :

MSVOA_W

ClientSampleId :

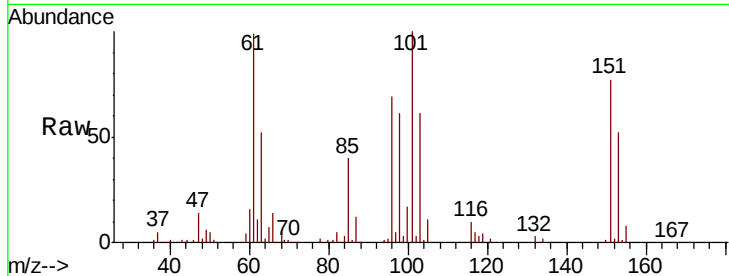
Tot Ion: 101 Resp: 149906

Ion Ratio Lower Upper

101 100

85 40.9 31.7 47.5

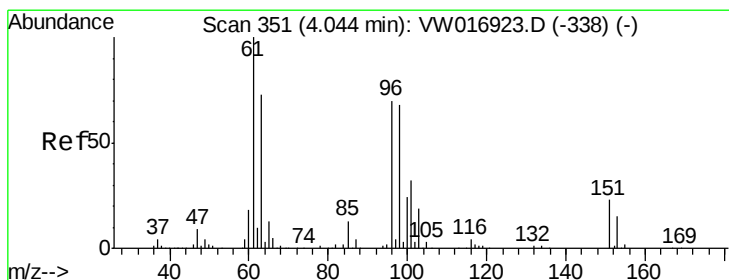
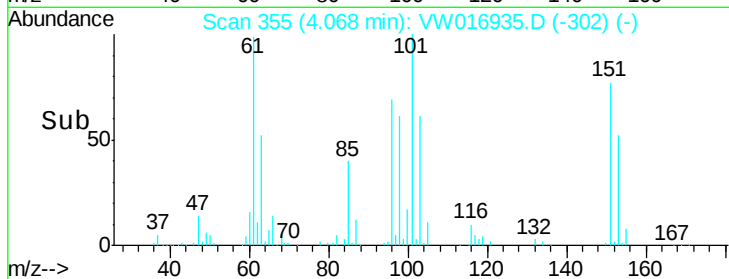
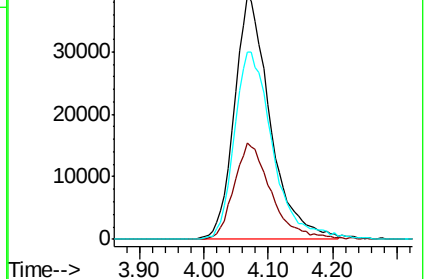
151 81.8 66.6 99.8



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: 22.356 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

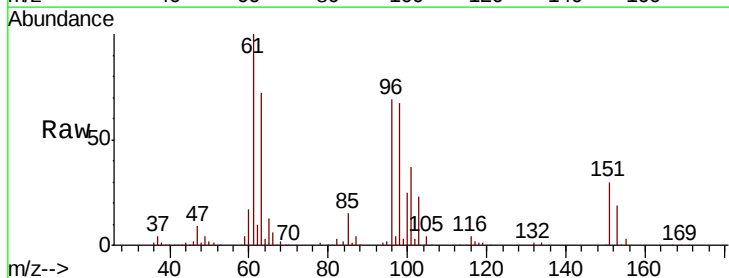
Tgt Ion: 96 Resp: 139367

Ion Ratio Lower Upper

96 100

61 145.0 105.1 195.1

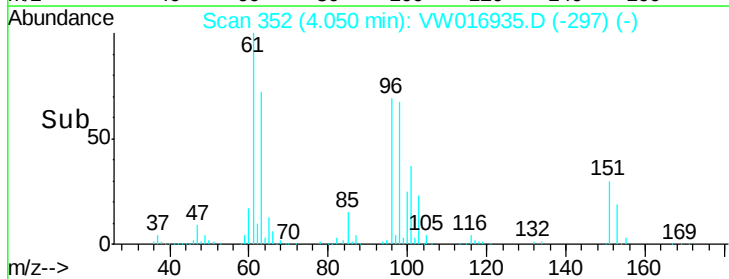
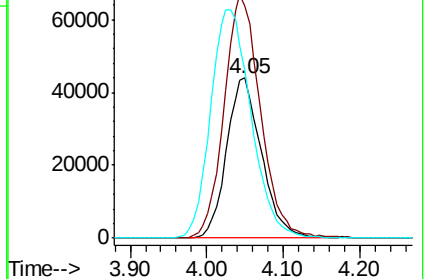
63 104.7 69.9 129.7

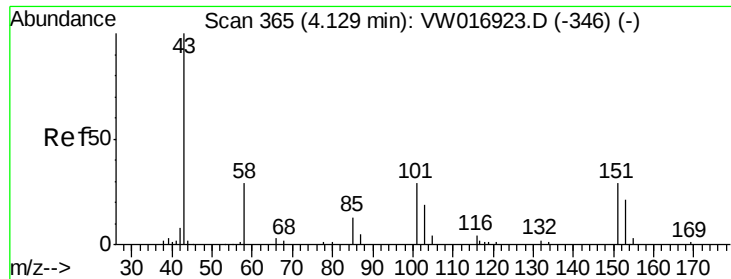


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.478 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

Instrument :

MSVOA_W

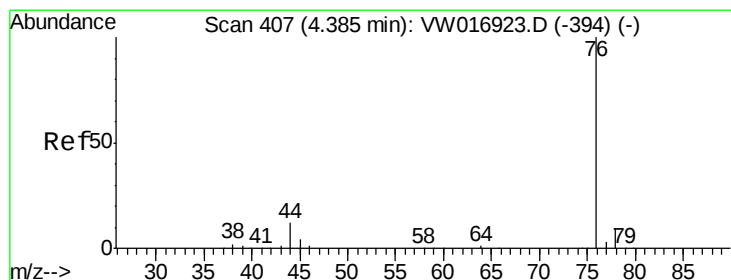
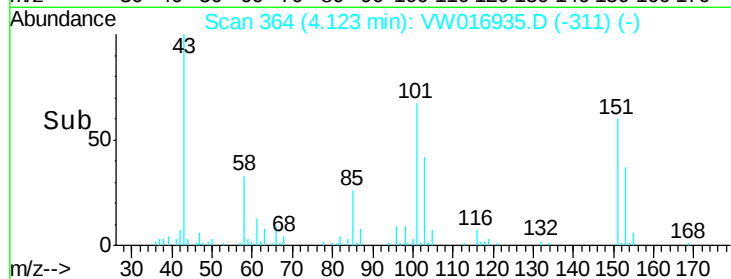
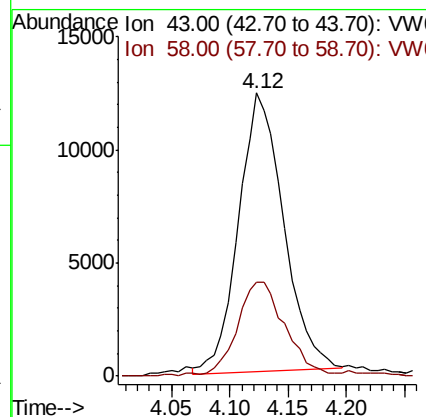
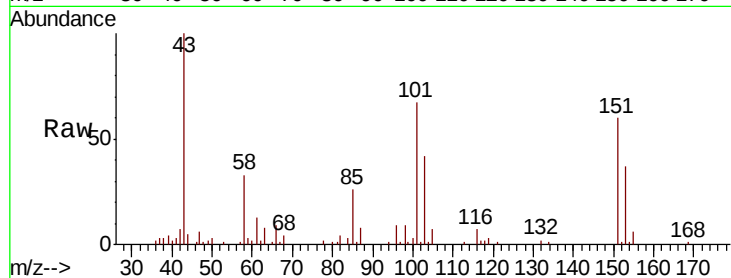
ClientSampleId :

Tot Ion: 43 Resp: 33002

Ion Ratio Lower Upper

43 100

58 34.4 0.0 67.6



#14

Carbon disulfide

Concen: 20.958 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW016935.D

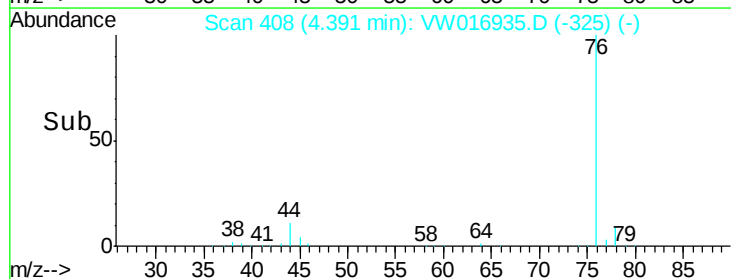
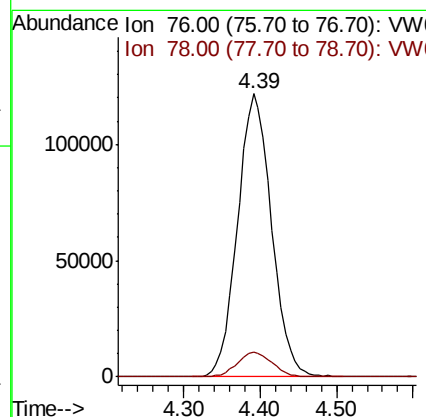
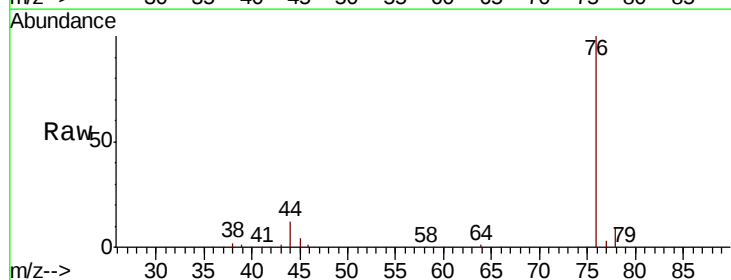
Acq: 16 Oct 2020 18:49

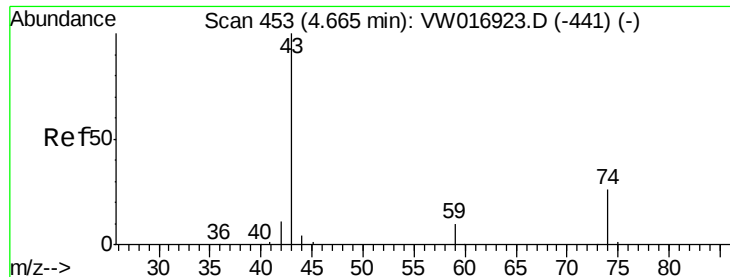
Tgt Ion: 76 Resp: 374638

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

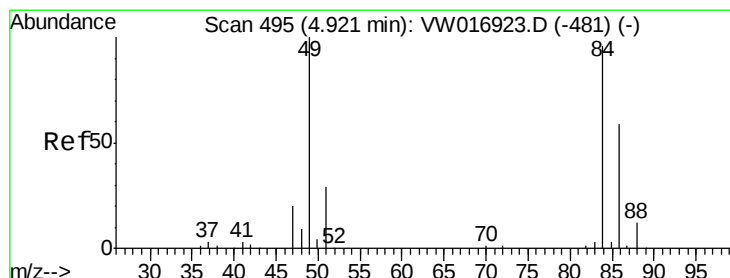
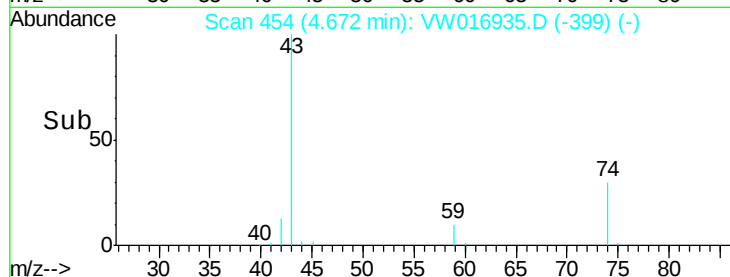
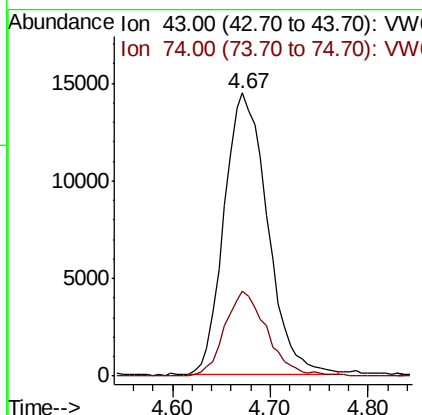
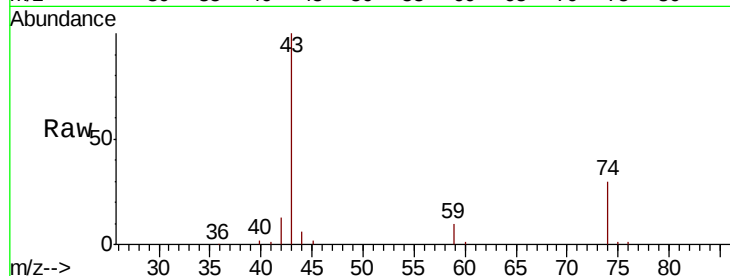




#15
Methyl Acetate
Concen: 22.776 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW016935.D
Acq: 16 Oct 2020 18:49

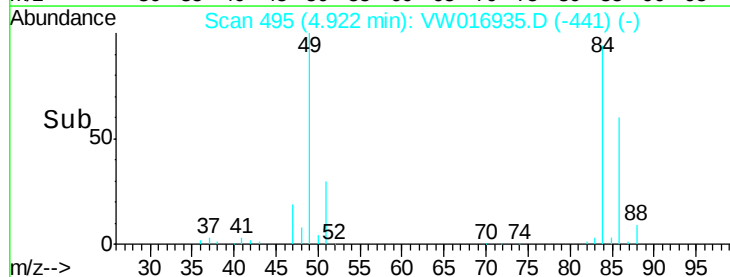
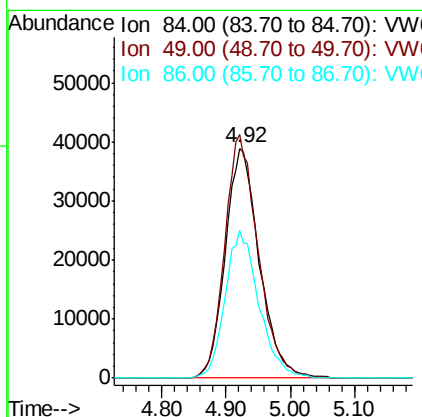
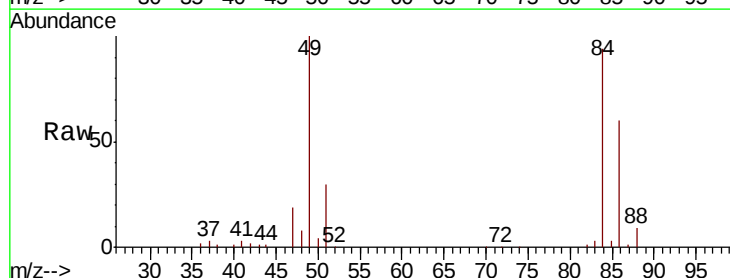
Instrument :
MSVOA_W
ClientSampleId :

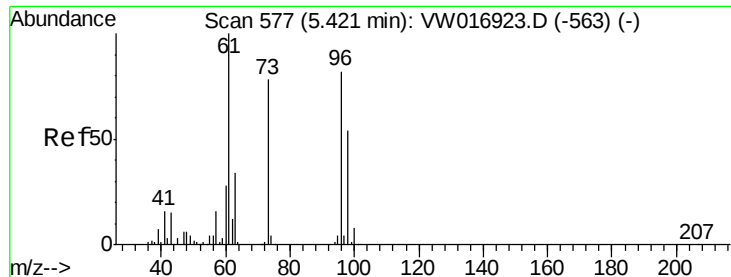
Tot Ion: 43 Resp: 44368
Ion Ratio Lower Upper
43 100
74 28.9 22.7 34.1



#16
Methylene chloride
Concen: 21.603 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016935.D
Acq: 16 Oct 2020 18:49

Tgt Ion: 84 Resp: 143751
Ion Ratio Lower Upper
84 100
49 106.0 73.1 135.8
86 64.0 46.0 85.4

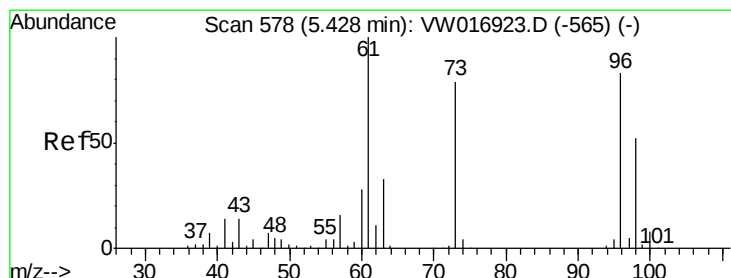
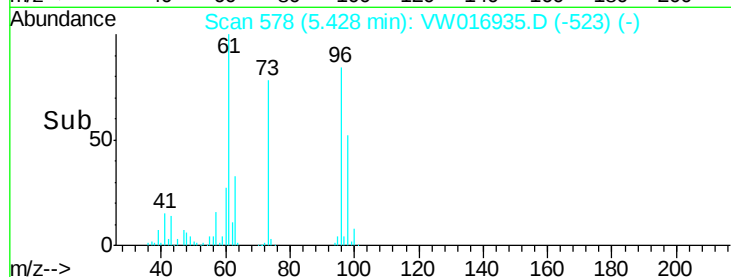
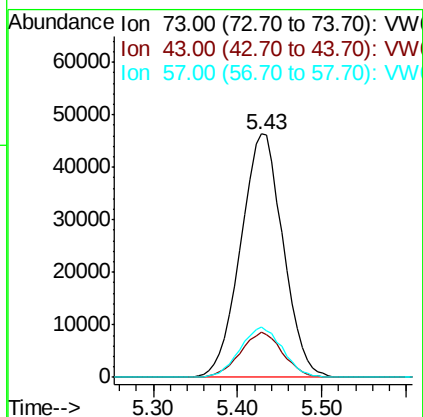
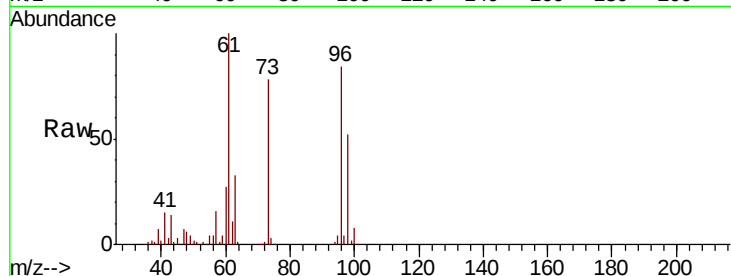




#17
Methvl tert-butvl Ether
Concen: 22.744 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW016935.D
Acq: 16 Oct 2020 18:49

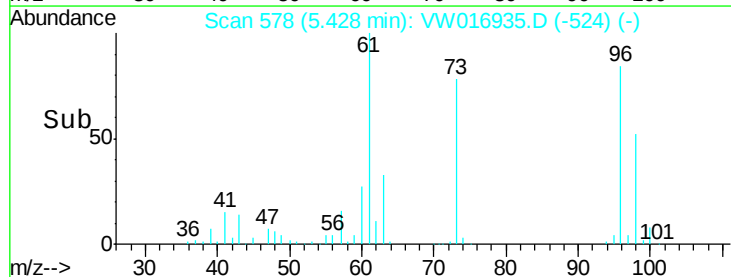
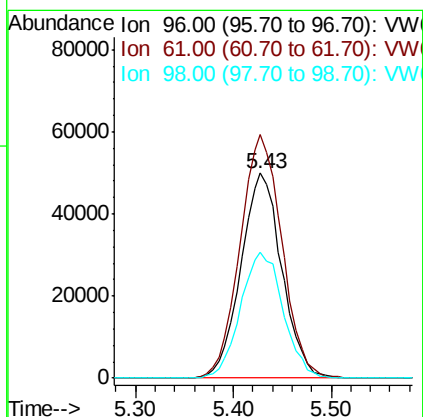
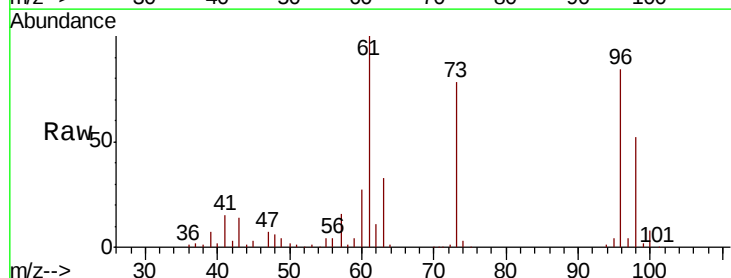
Instrument :
MSVOA_W
ClientSampleId :

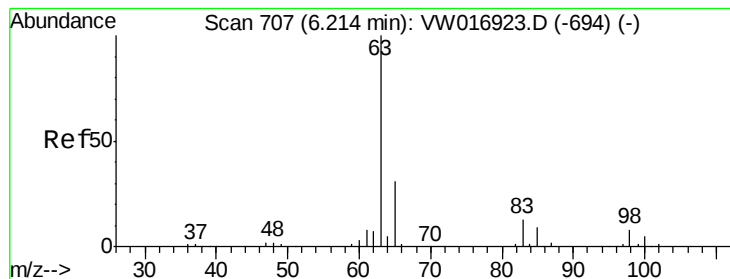
Tot Ion: 73 Resp: 158661
Ion Ratio Lower Upper
73 100
43 18.4 15.0 22.4
57 20.7 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 22.316 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016935.D
Acq: 16 Oct 2020 18:49

Tgt Ion: 96 Resp: 145336
Ion Ratio Lower Upper
96 100
61 118.8 82.5 153.3
98 61.4 43.3 80.5





#19

1,1-Dichloroethane

Concen: 23.121 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

Instrument :

MSVOA_W

ClientSampled :

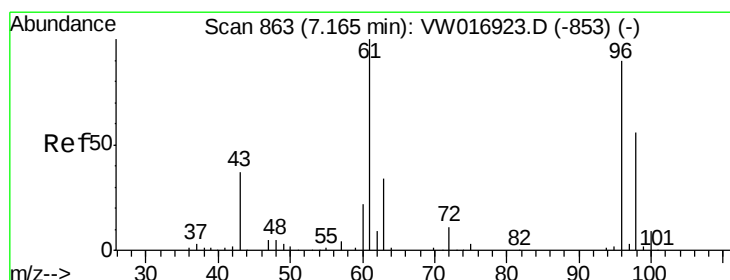
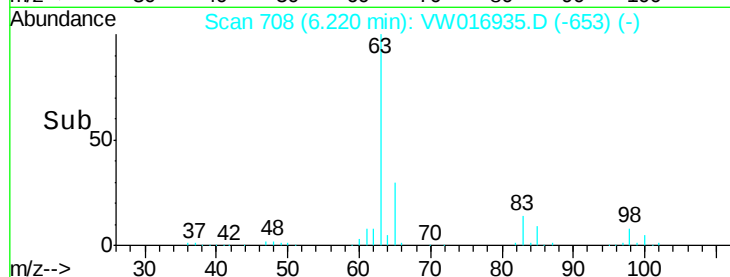
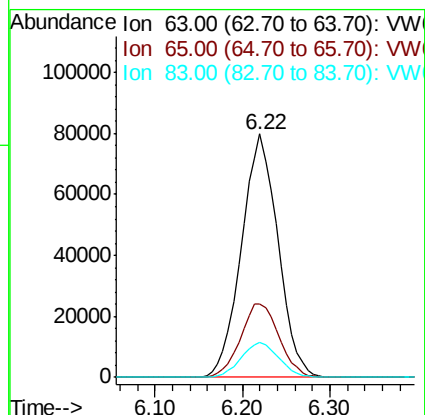
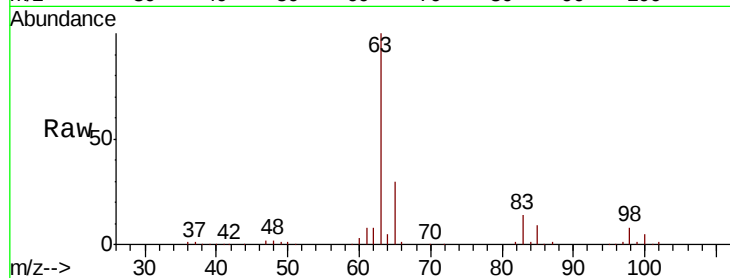
Tot Ion: 63 Resp: 231884

Ion Ratio Lower Upper

63 100

65 29.9 22.7 42.1

83 14.3 9.9 18.5



#21

2-Butanone

Concen: 42.307 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW016935.D

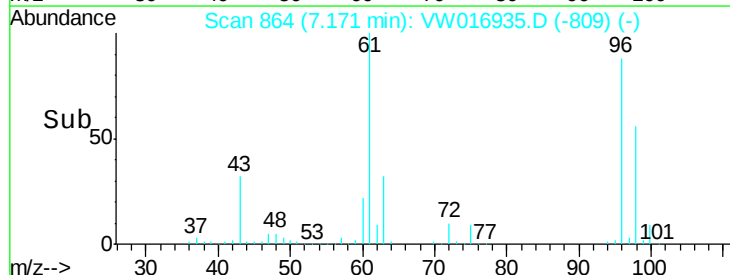
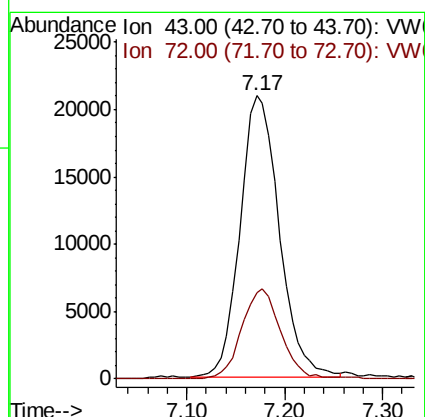
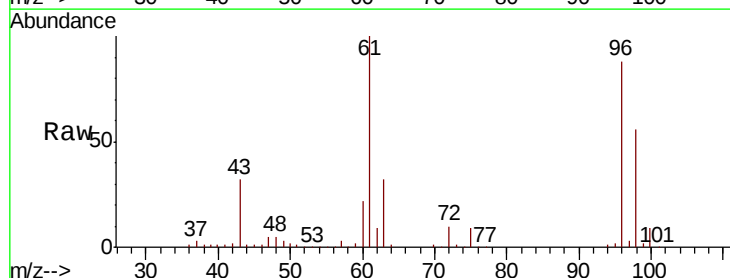
Acq: 16 Oct 2020 18:49

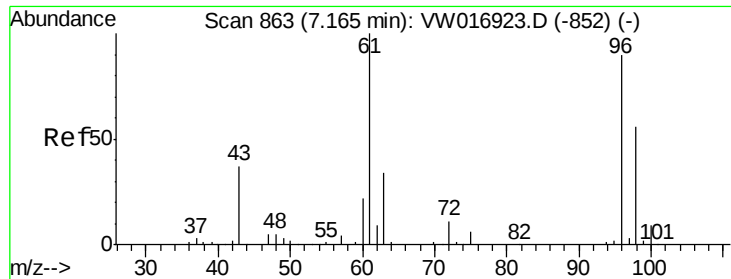
Tgt Ion: 43 Resp: 57904

Ion Ratio Lower Upper

43 100

72 31.7 16.2 48.5



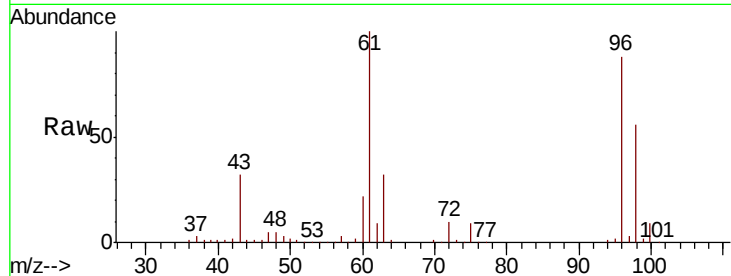


#22

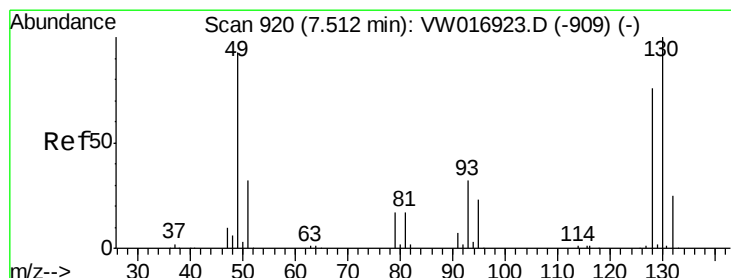
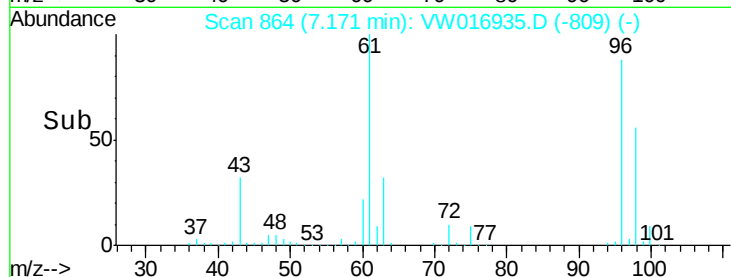
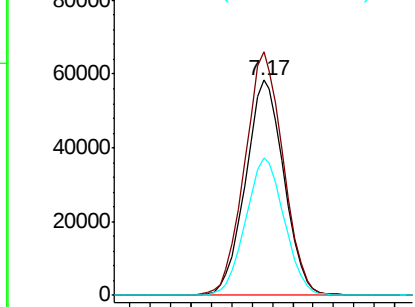
cis-1,2-Dichloroethene
Concen: 23.004 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW016935.D
Acq: 16 Oct 2020 18:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 152864
Ion Ratio Lower Upper
96 100
61 113.3 76.0 141.2
98 63.9 42.7 79.3



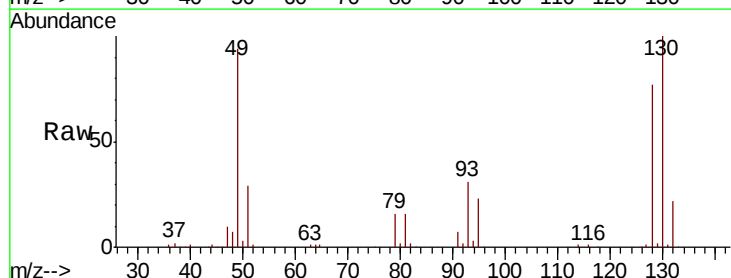
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



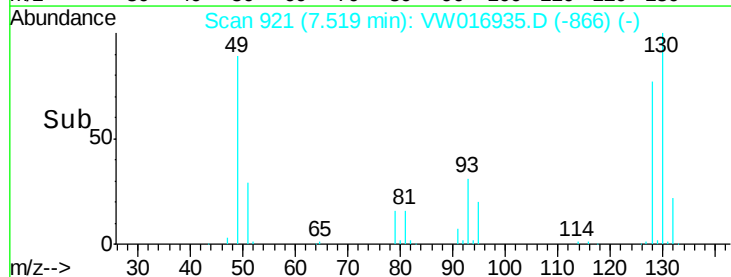
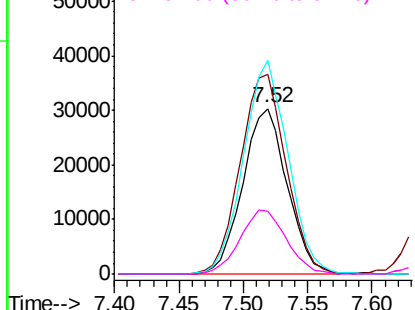
#23

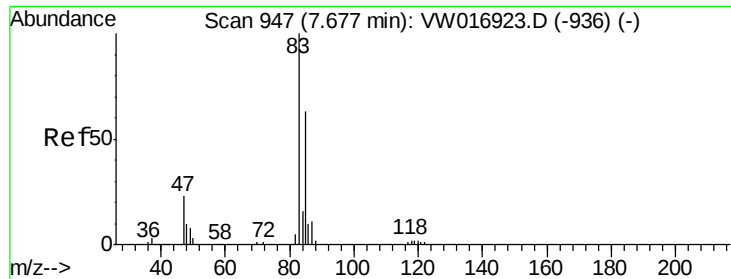
Bromochloromethane
Concen: 23.276 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW016935.D
Acq: 16 Oct 2020 18:49

Tgt Ion: 128 Resp: 72633
Ion Ratio Lower Upper
128 100
49 121.2 88.5 164.3
130 129.2 92.9 172.5
51 37.8 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

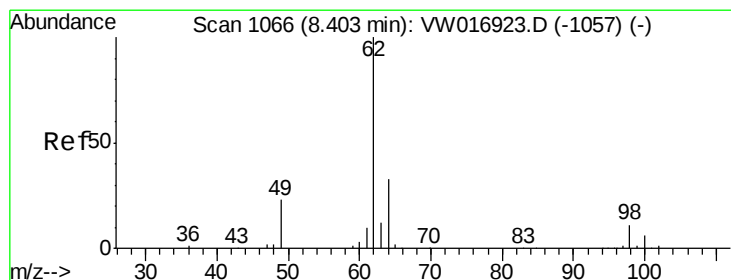
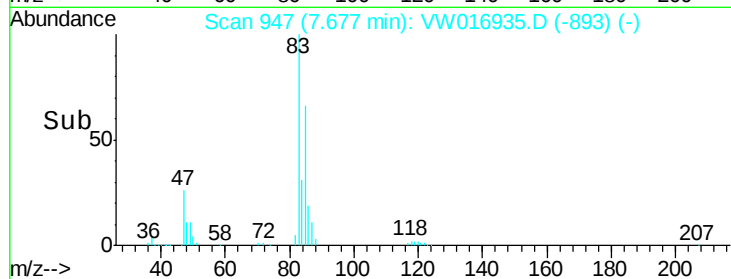
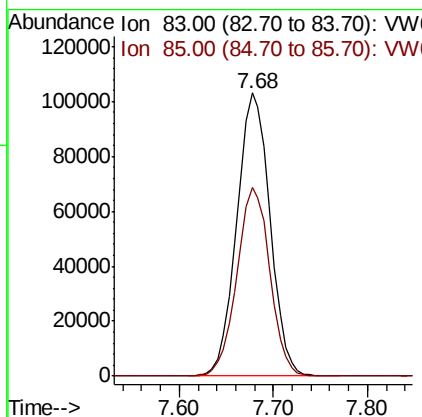
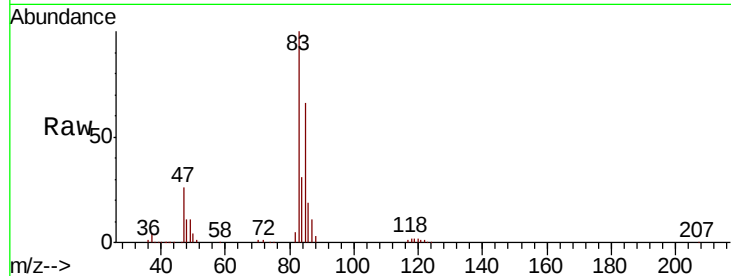




#25
Chloroform
Concen: 23.438 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016935.D
Acq: 16 Oct 2020 18:49

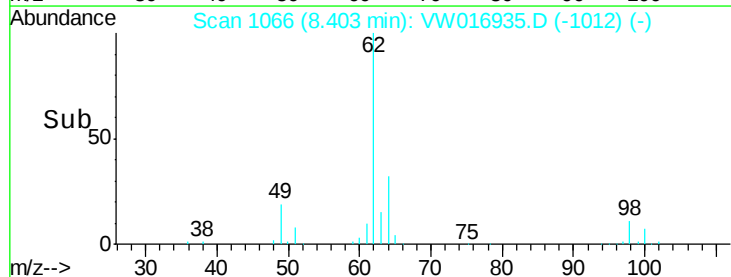
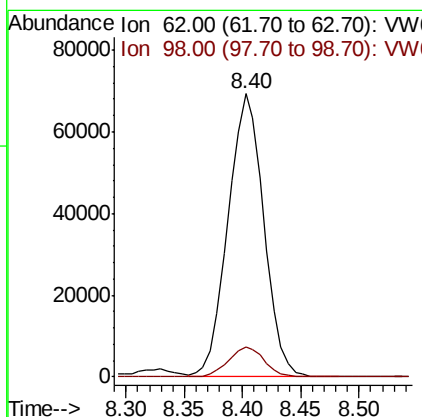
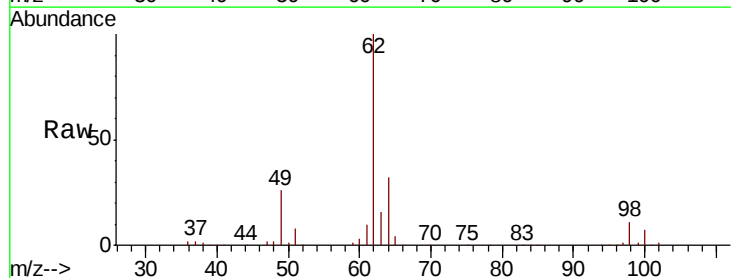
Instrument :
MSVOA_W
ClientSampleId :

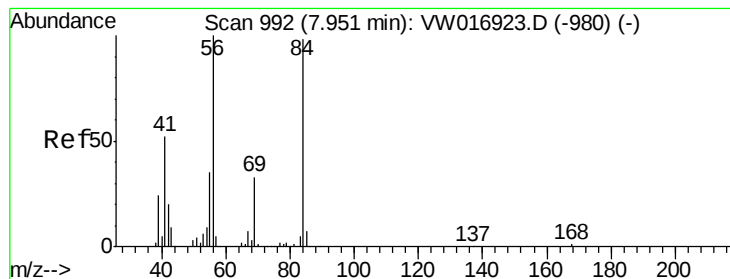
Tot Ion: 83 Resp: 253840
Ion Ratio Lower Upper
83 100
85 66.4 46.9 87.1



#27
1,2-Dichloroethane
Concen: 22.778 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016935.D
Acq: 16 Oct 2020 18:49

Tgt Ion: 62 Resp: 147576
Ion Ratio Lower Upper
62 100
98 10.6 8.6 12.8





#30

Cvclohexane

Concen: 21.996 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

Instrument :
MSVOA_W
ClientSampled :

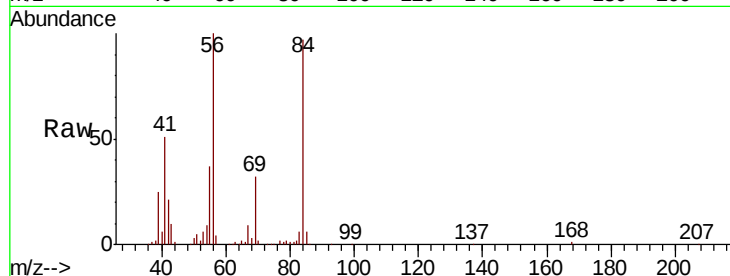
Tot Ion: 56 Resp: 199729

Ion Ratio Lower Upper

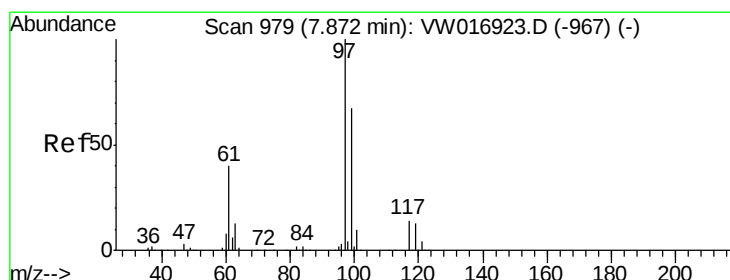
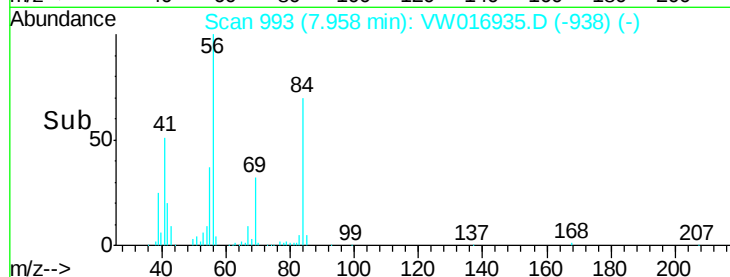
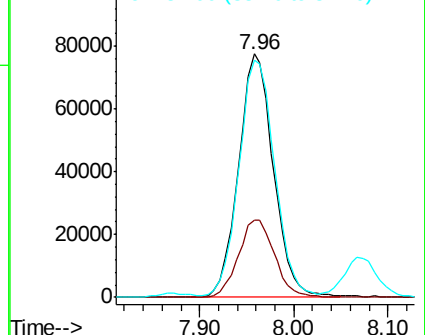
56 100

69 32.8 26.1 39.1

84 100.2 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: 22.999 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

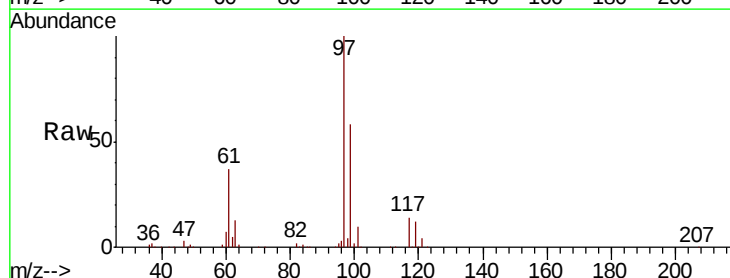
Tgt Ion: 97 Resp: 214151

Ion Ratio Lower Upper

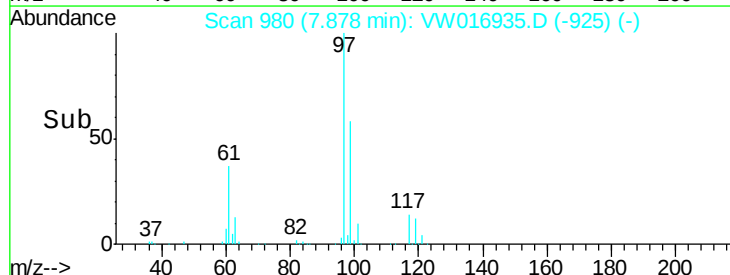
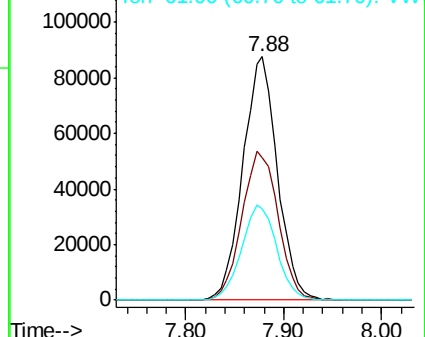
97 100

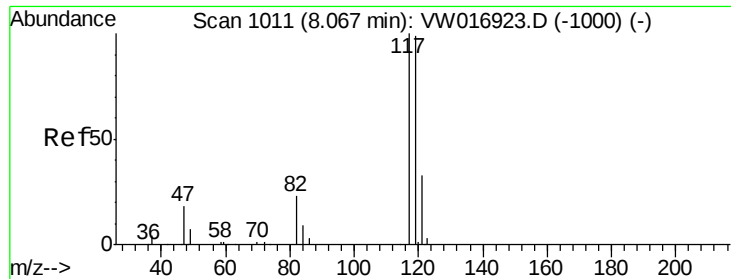
99 64.3 51.5 77.3

61 39.8 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

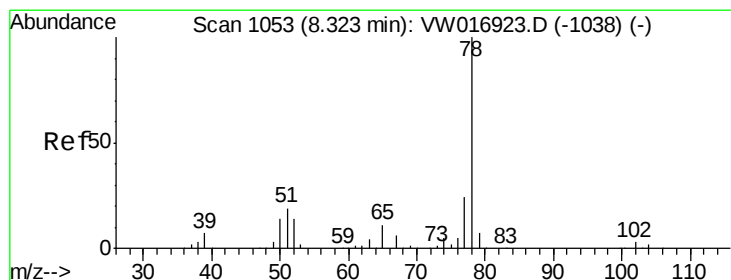
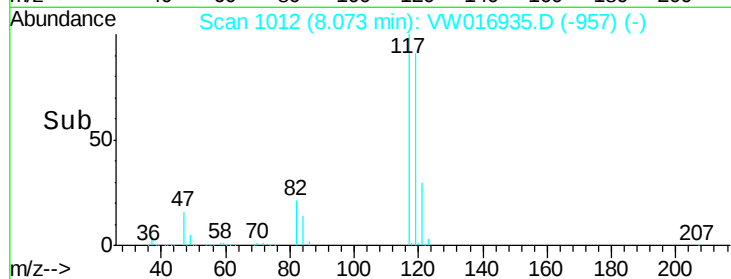
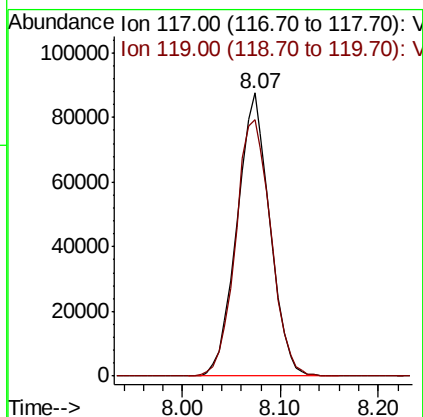
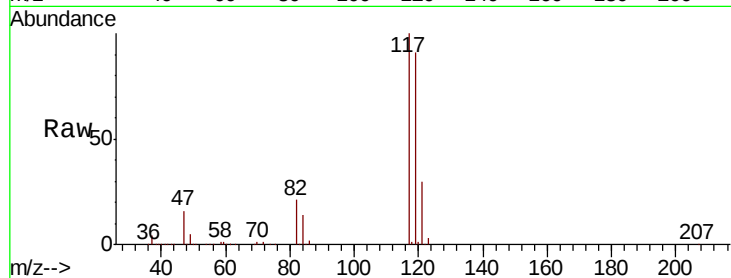




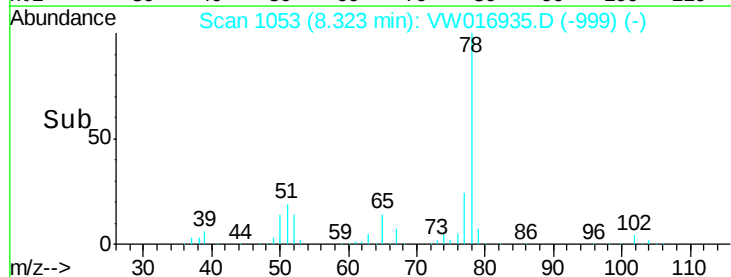
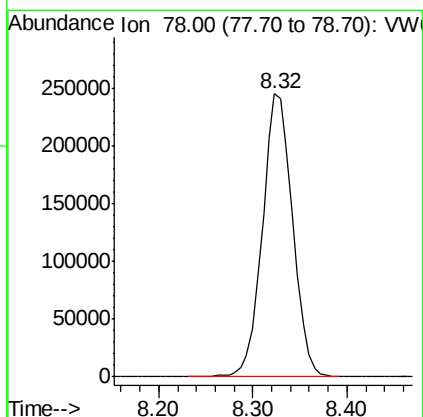
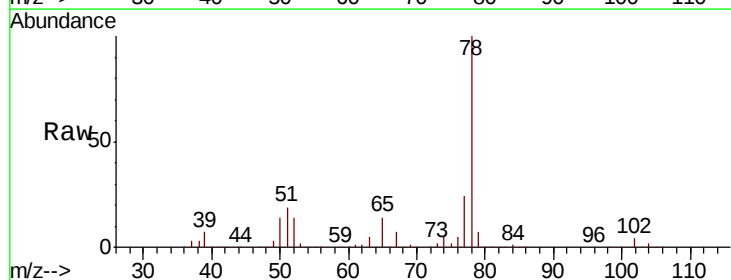
#32
Carbon tetrachloride
Concen: 22.461 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW016935.D
Acq: 16 Oct 2020 18:49

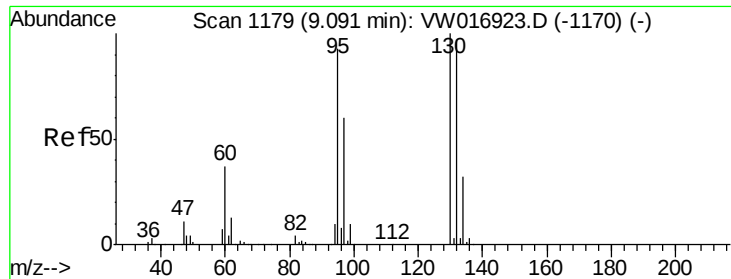
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 204090
Ion Ratio Lower Upper
117 100
119 97.1 77.4 116.0



#34
Benzene
Concen: 23.380 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW016935.D
Acq: 16 Oct 2020 18:49
Tgt Ion: 78 Resp: 549728

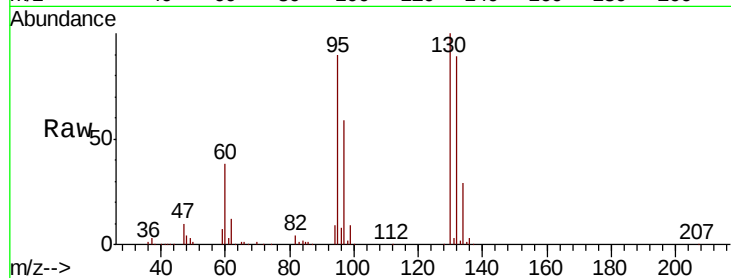




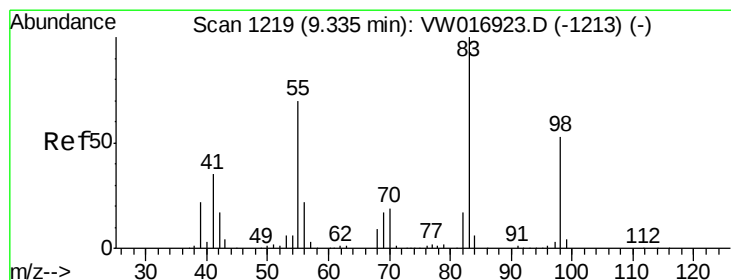
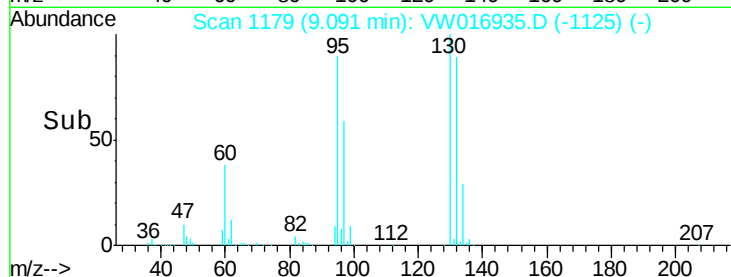
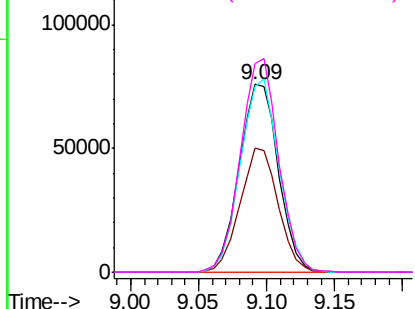
#35
 Trichloroethene
 Concen: 23.022 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016935.D
 Acq: 16 Oct 2020 18:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 153120
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.7 83.1
 132 101.7 73.8 137.2
 130 110.9 77.1 143.3

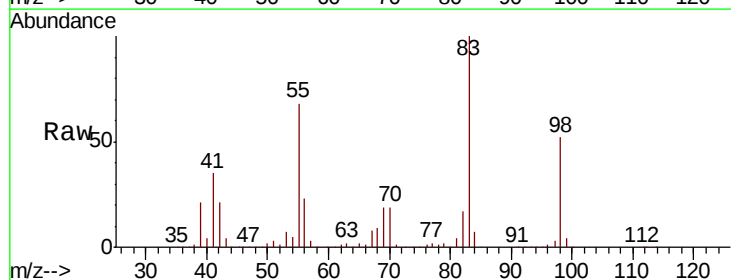


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

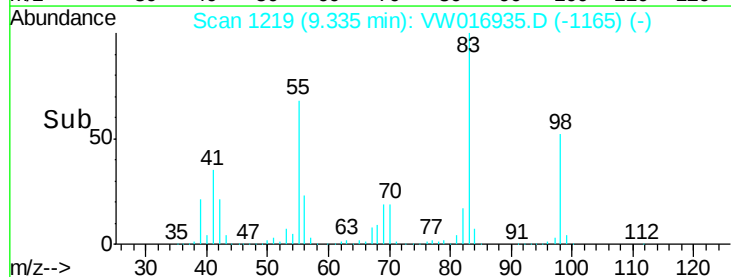
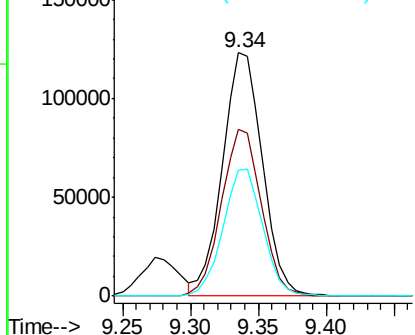


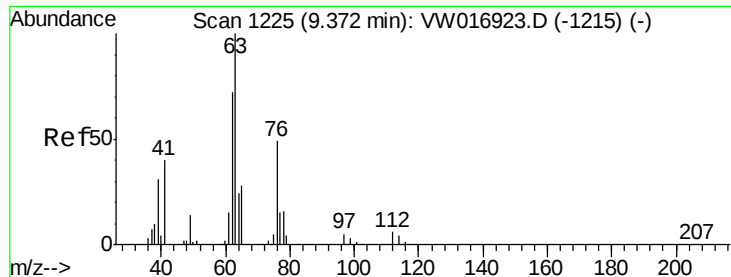
#36
 Methylcyclohexane
 Concen: 22.418 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016935.D
 Acq: 16 Oct 2020 18:49

Tgt Ion: 83 Resp: 250700
 Ion Ratio Lower Upper
 83 100
 55 68.6 54.2 81.4
 98 52.3 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

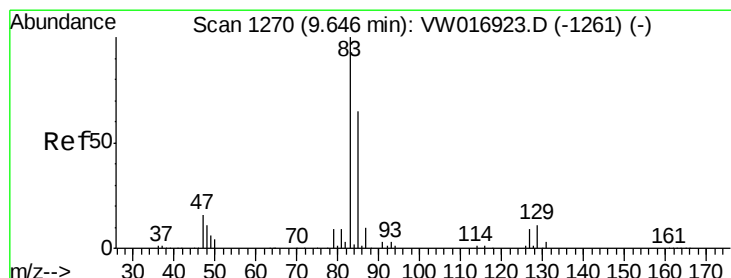
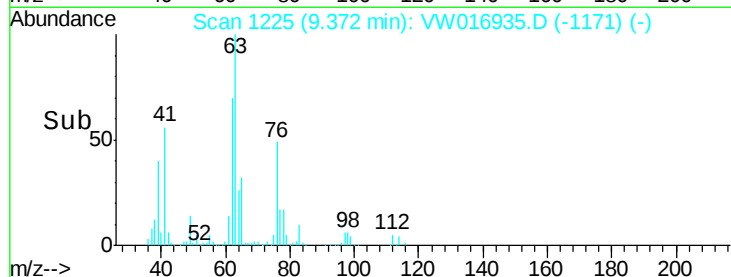
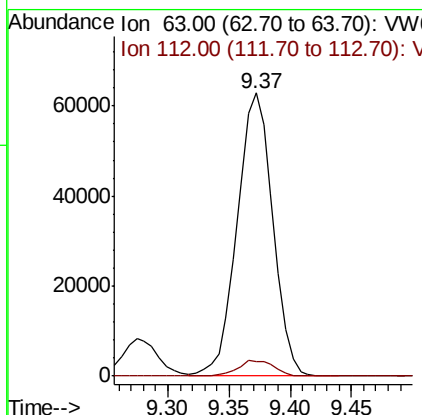
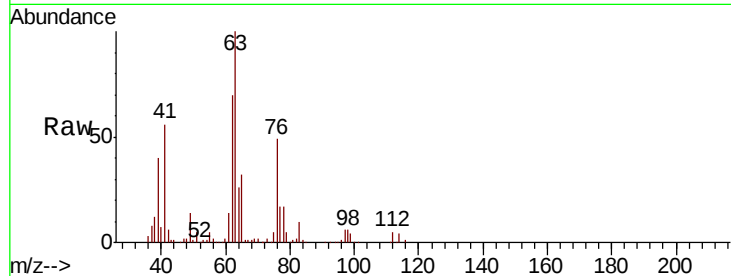




#40
 1,2-Dichloropropane
 Concen: 23.948 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016935.D
 Acq: 16 Oct 2020 18:49

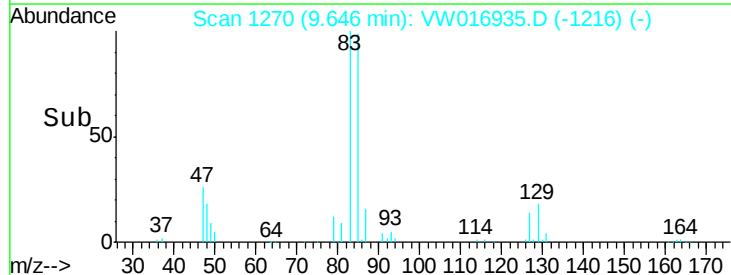
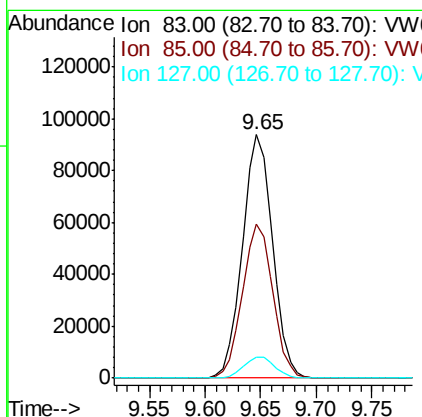
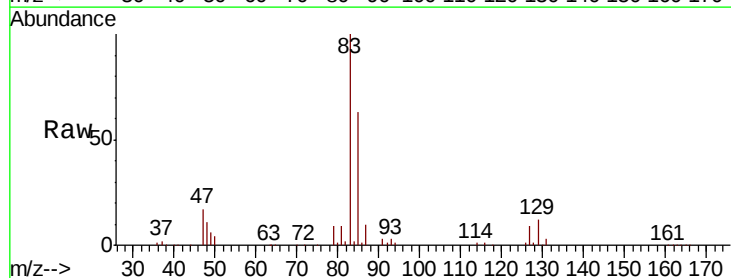
Instrument :
 MSVOA_W
 ClientSampleId :

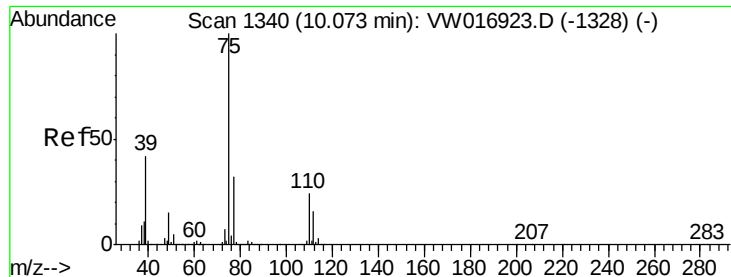
Tot Ion: 63 Resp: 127328
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.5 6.7



#41
 Bromodichloromethane
 Concen: 23.688 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016935.D
 Acq: 16 Oct 2020 18:49

Tgt Ion: 83 Resp: 176936
 Ion Ratio Lower Upper
 83 100
 85 63.4 46.2 85.8
 127 8.7 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 23.614 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

Instrument :

MSVOA_W

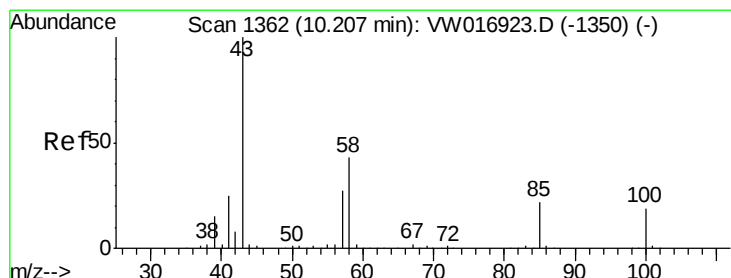
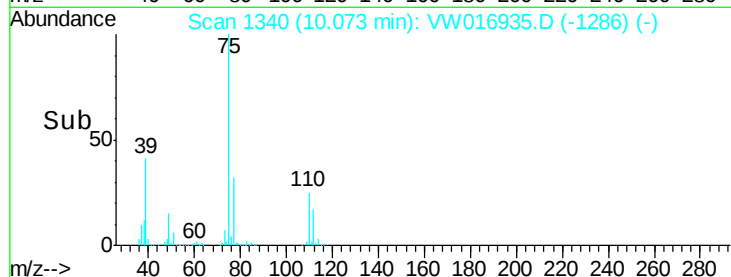
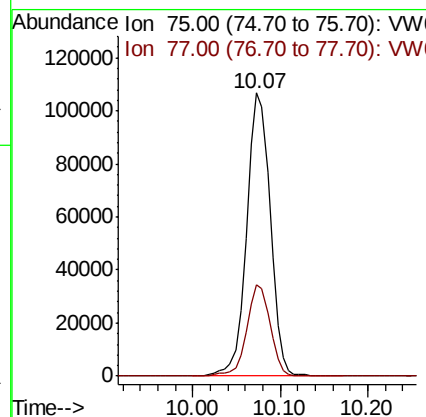
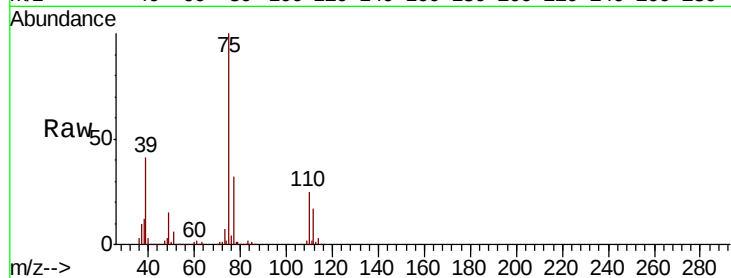
ClientSampleId :

Tot Ion: 75 Resp: 200173

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 49.319 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

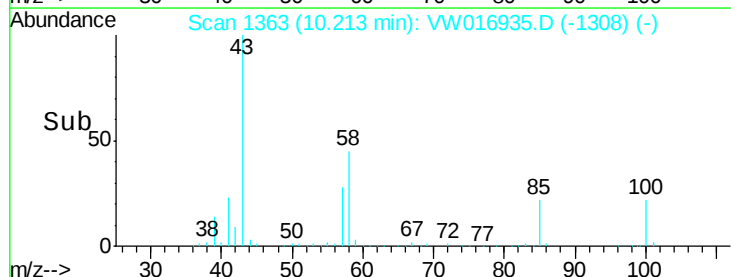
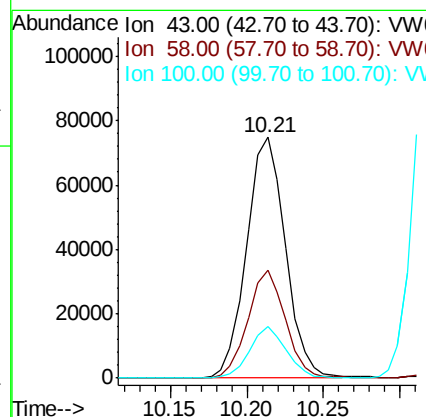
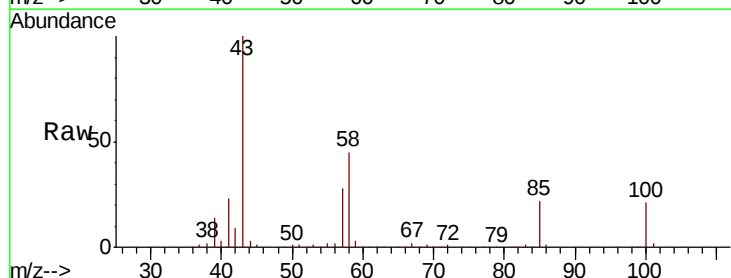
Tgt Ion: 43 Resp: 132013

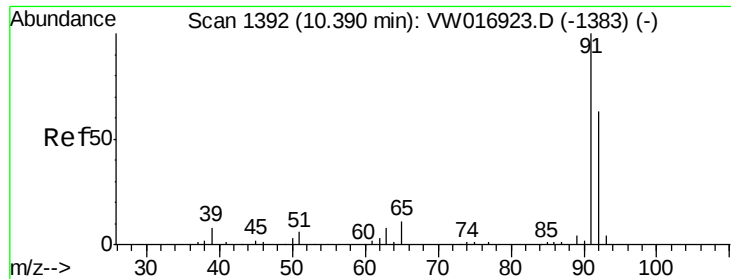
Ion Ratio Lower Upper

43 100

58 43.5 34.7 52.1

100 20.2 16.9 25.3





#44

Toluene

Concen: 23.674 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

Instrument :

MSVOA_W

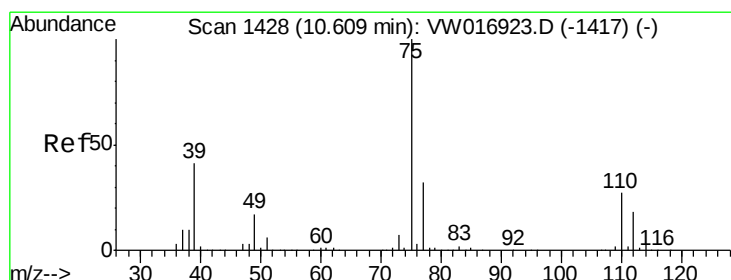
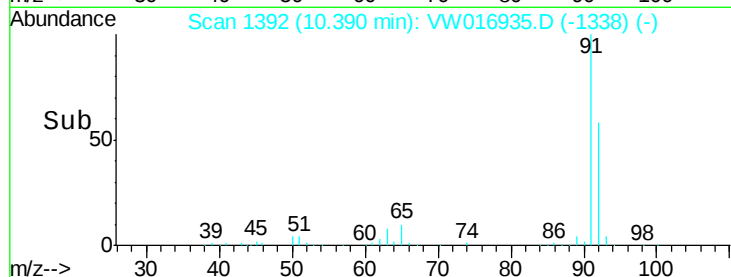
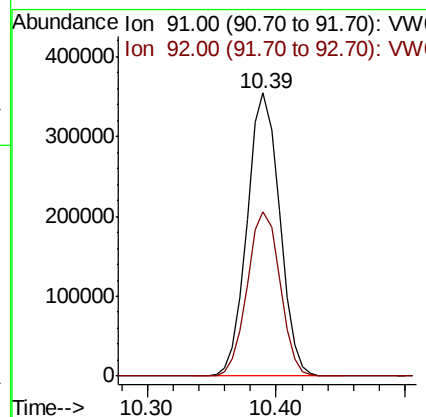
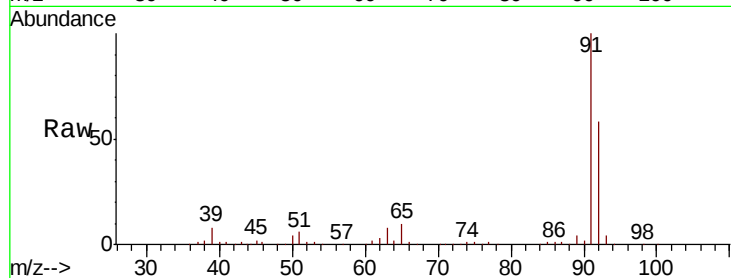
ClientSampleId :

Tot Ion: 91 Resp: 617521

Ion Ratio Lower Upper

91 100

92 57.8 39.4 73.2



#45

trans-1,3-Dichloropropene

Concen: 23.473 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016935.D

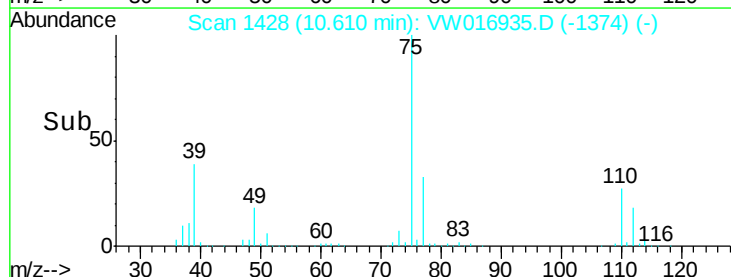
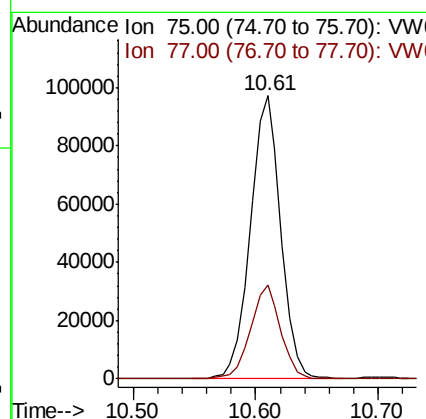
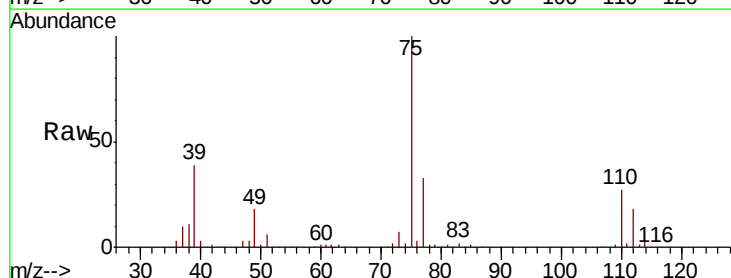
Acq: 16 Oct 2020 18:49

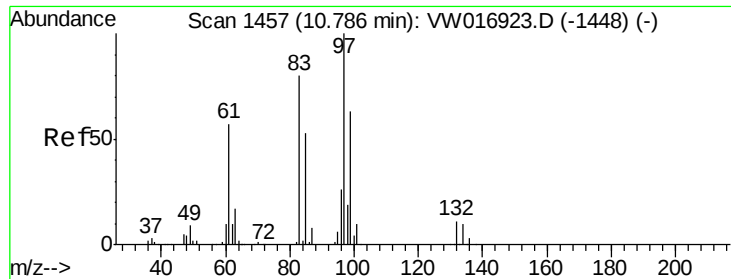
Tgt Ion: 75 Resp: 167442

Ion Ratio Lower Upper

75 100

77 33.1 22.2 41.2

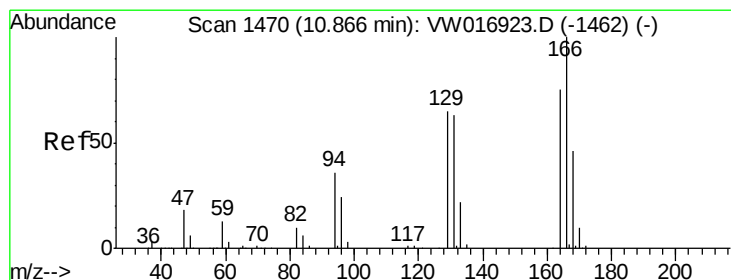
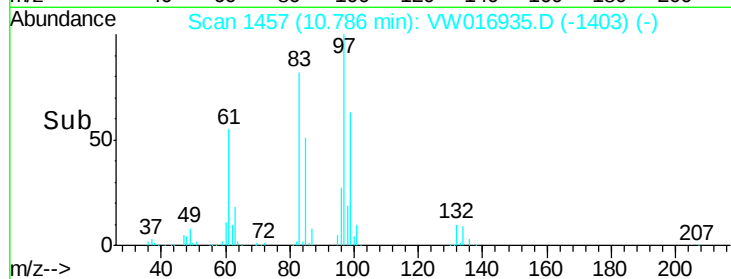
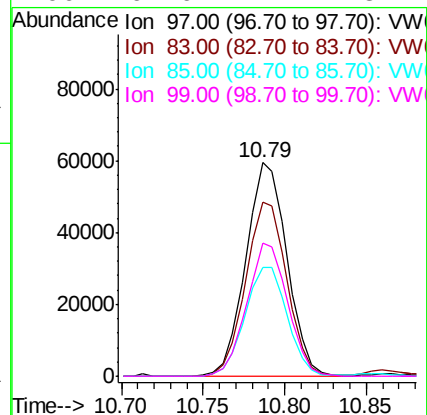
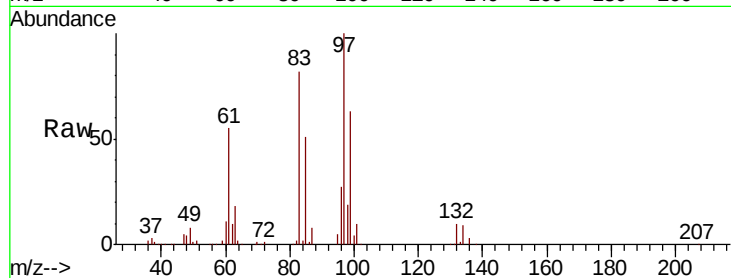




#46
 1,1,2-Trichloroethane
 Concen: 24.212 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016935.D
 Acq: 16 Oct 2020 18:49

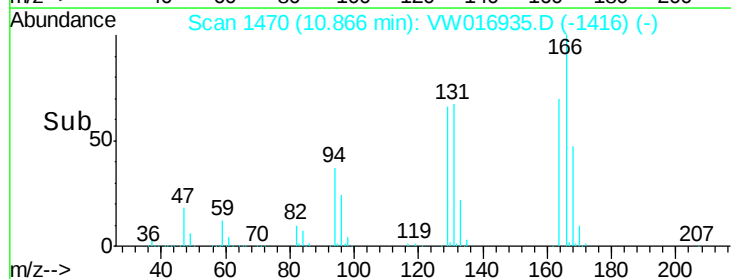
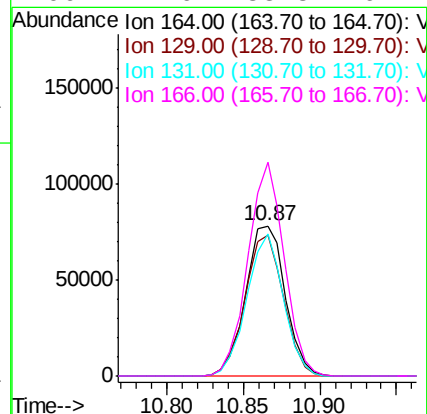
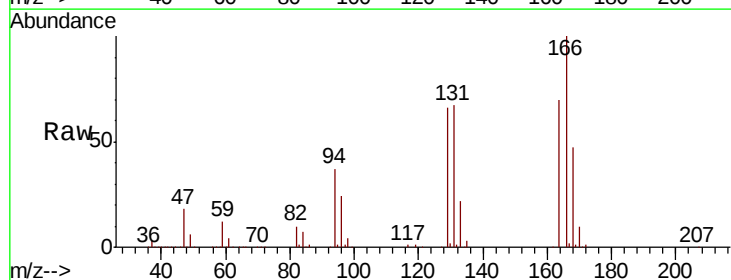
Instrument :
 MSVOA_W
 ClientSampled :

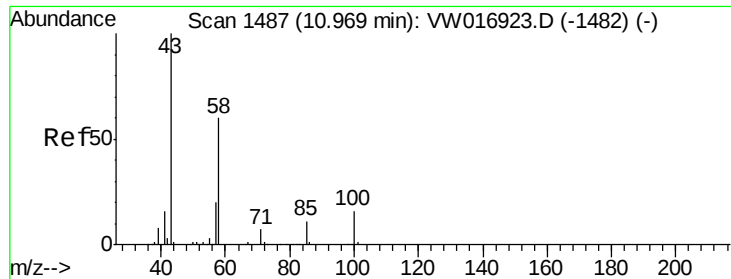
Tot Ion:	97	Resp:	104648
Ion	Ratio	Lower	Upper
97	100		
83	81.7	56.8	105.4
85	50.9	37.0	68.6
99	62.6	44.2	82.2



#47
 Tetrachloroethene
 Concen: 22.835 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016935.D
 Acq: 16 Oct 2020 18:49

Tgt Ion:	164	Resp:	140802
Ion	Ratio	Lower	Upper
164	100		
129	93.9	61.7	114.7
131	94.9	59.7	110.9
166	142.6	88.3	164.1





#49

2-Hexanone

Concen: 50.540 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 89292

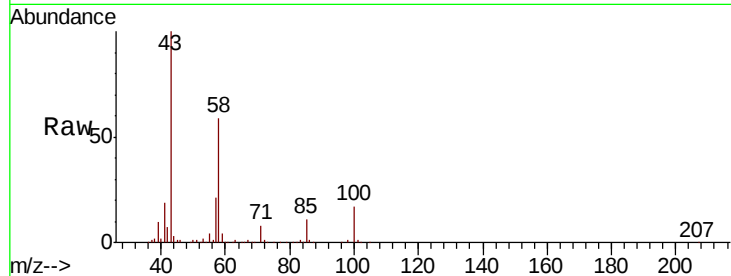
Ion Ratio Lower Upper

43 100

58 57.7 47.1 70.7

57 20.9 16.2 24.4

100 15.7 13.3 19.9

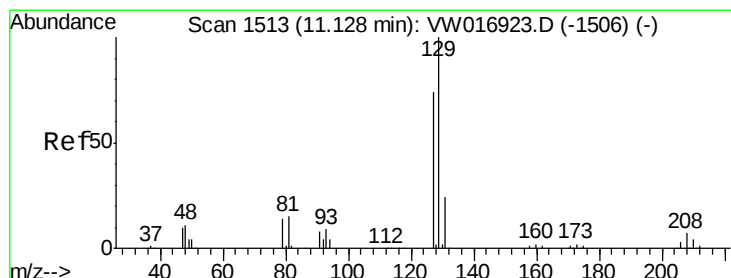
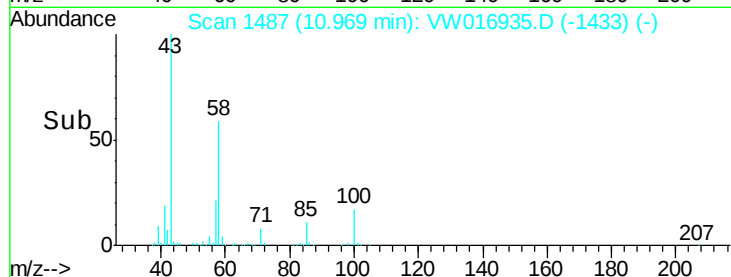
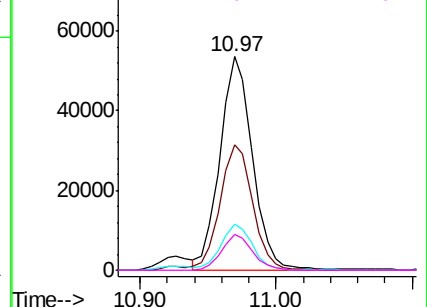


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 23.805 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW016935.D

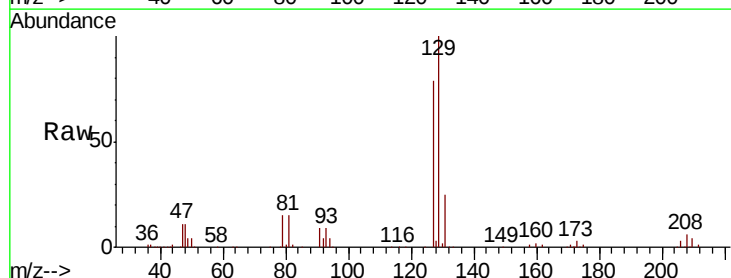
Acq: 16 Oct 2020 18:49

Tgt Ion: 129 Resp: 127908

Ion Ratio Lower Upper

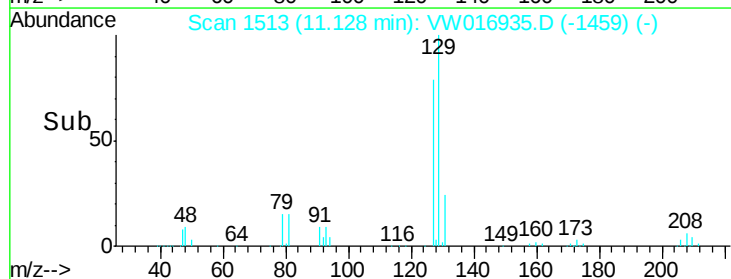
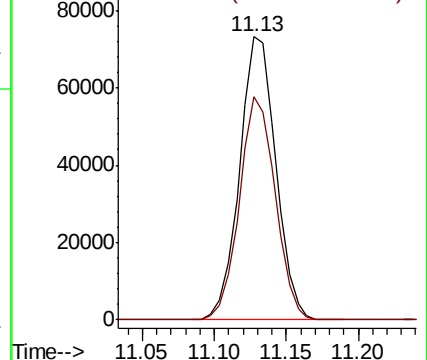
129 100

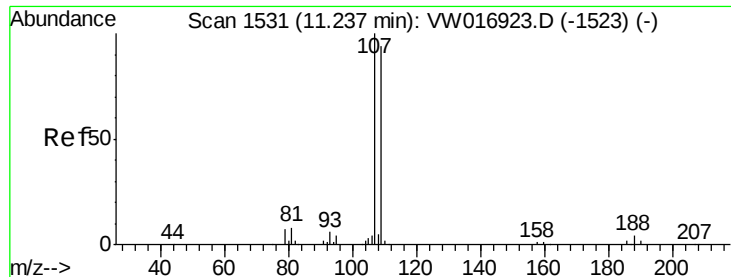
127 78.7 54.0 100.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 23.556 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

Instrument :

MSVOA_W

ClientSampleId :

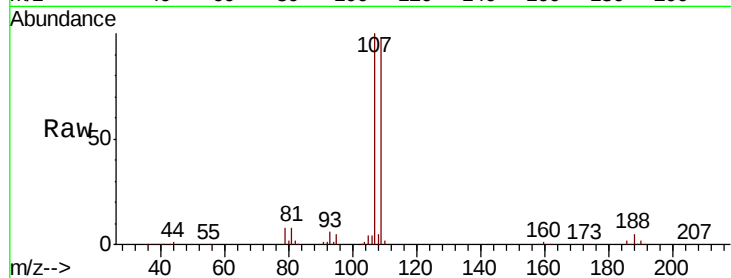
Tot Ion:107 Resp: 100050

Ion Ratio Lower Upper

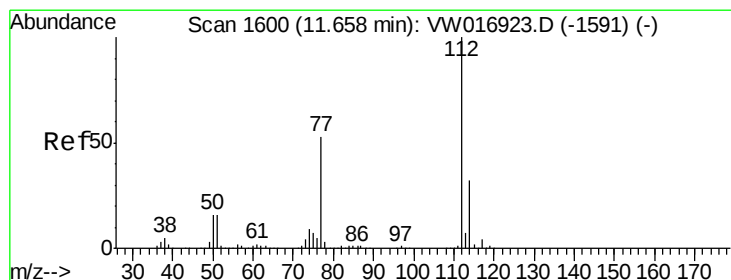
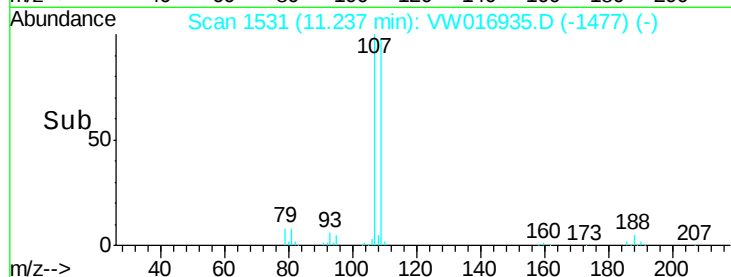
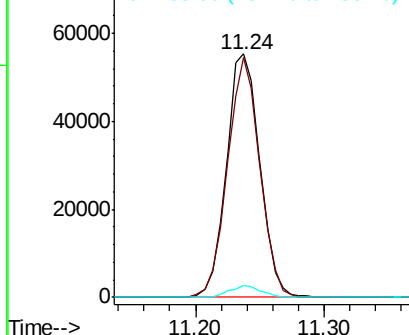
107 100

109 98.2 68.4 127.0

188 4.9 3.4 5.0



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 22.873 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

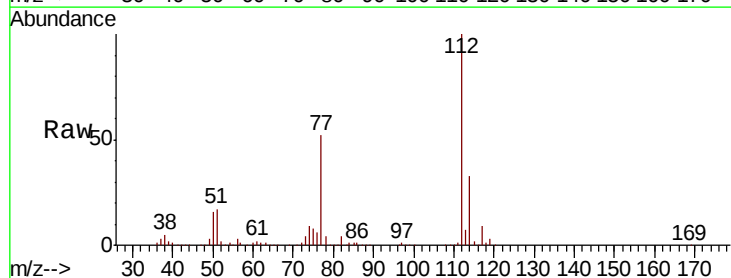
Tgt Ion:112 Resp: 400401

Ion Ratio Lower Upper

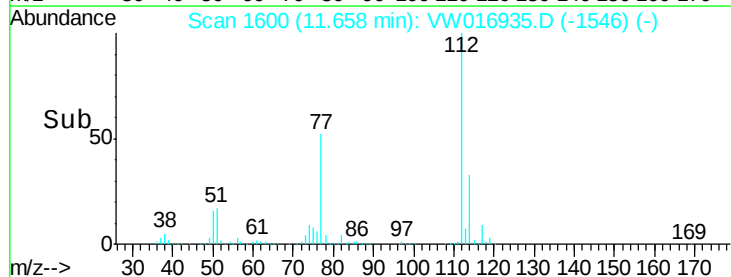
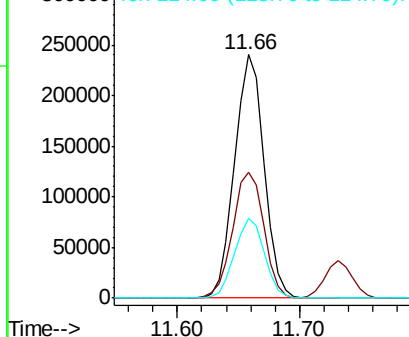
112 100

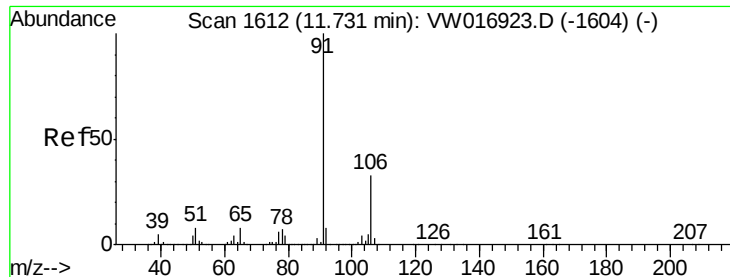
77 51.7 44.0 66.0

114 32.8 22.3 41.3



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 23.456 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

Instrument :

MSVOA_W

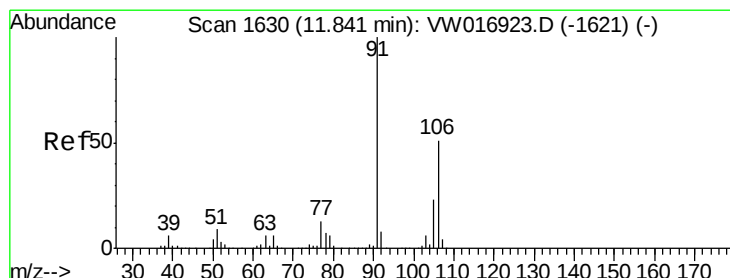
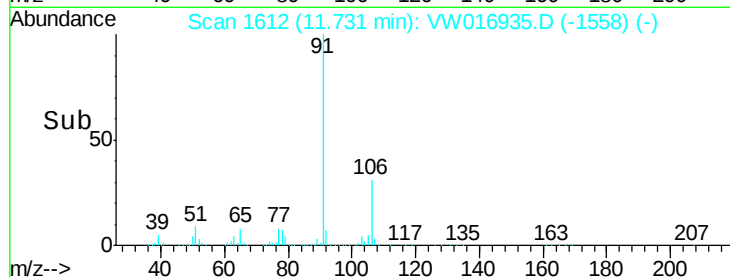
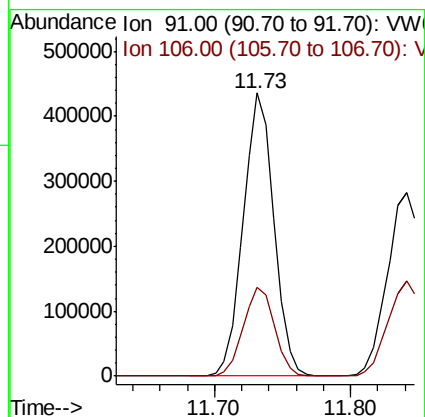
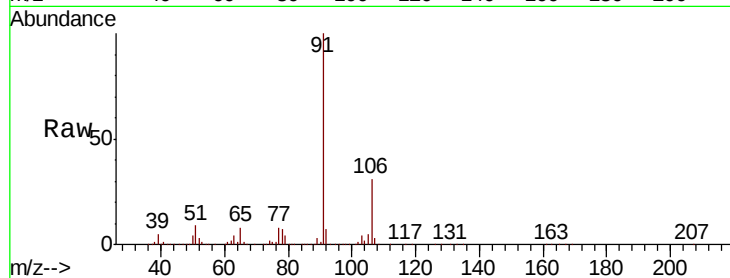
ClientSampleId :

Tot Ion: 91 Resp: 686349

Ion Ratio Lower Upper

91 100

106 31.2 22.8 42.4



#54

m,p-Xylene

Concen: 23.741 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016935.D

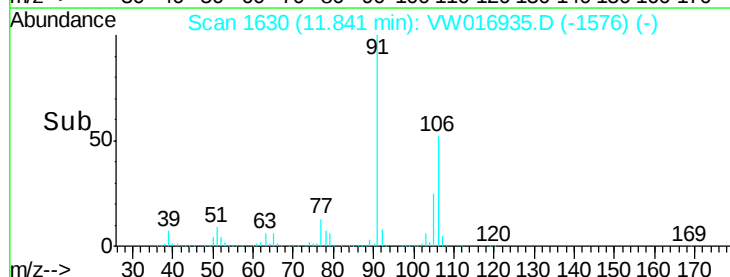
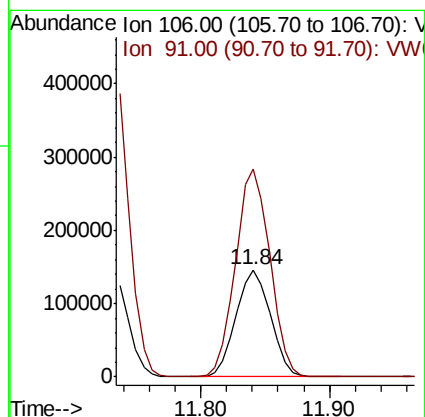
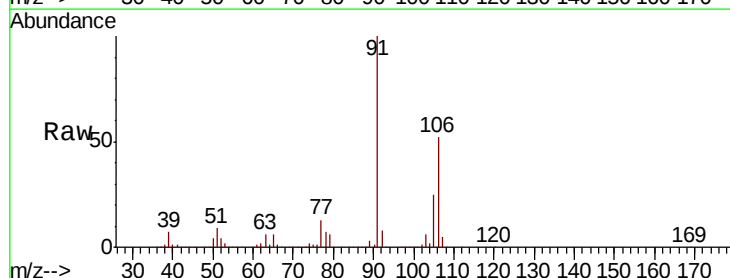
Acq: 16 Oct 2020 18:49

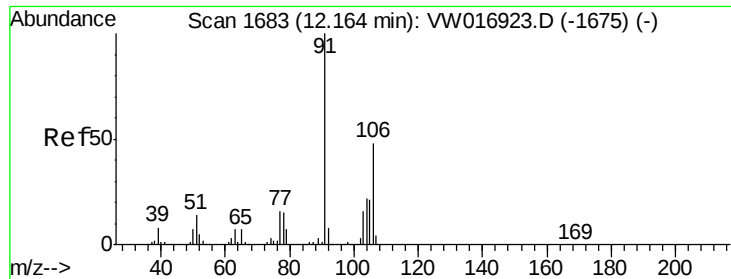
Tgt Ion: 106 Resp: 270181

Ion Ratio Lower Upper

106 100

91 193.9 135.6 251.8





#55

o-xylene

Concen: 23.791 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

Instrument :

MSVOA_W

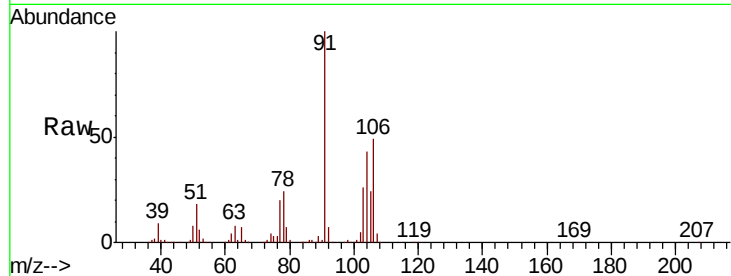
ClientSampled :

Tot Ion:106 Resp: 258683

Ion Ratio Lower Upper

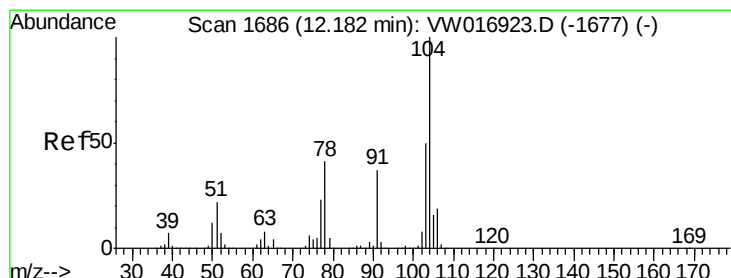
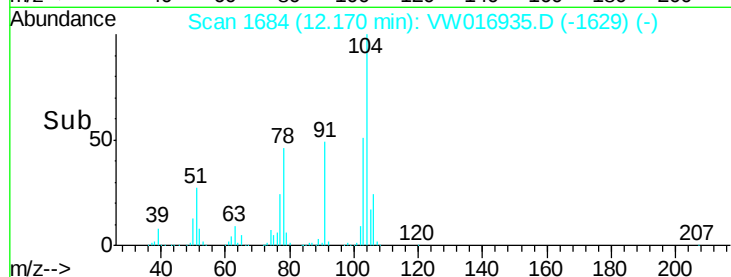
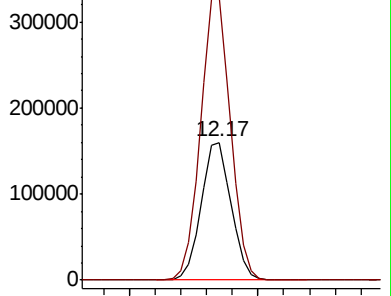
106 100

91 205.2 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.162 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016935.D

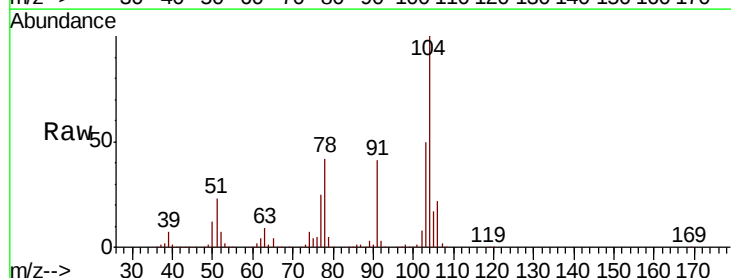
Acq: 16 Oct 2020 18:49

Tgt Ion:104 Resp: 433530

Ion Ratio Lower Upper

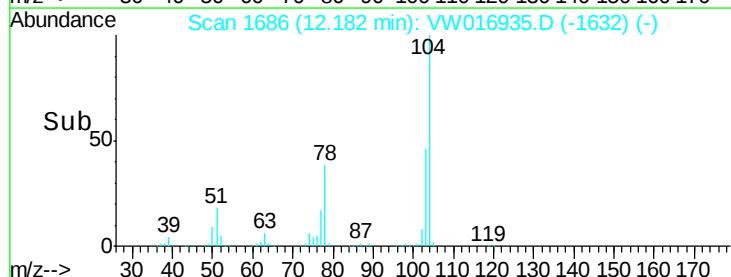
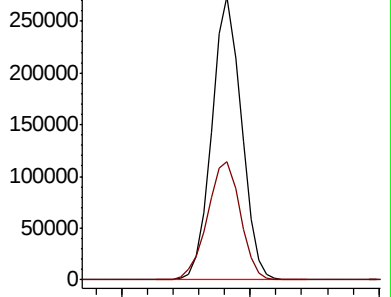
104 100

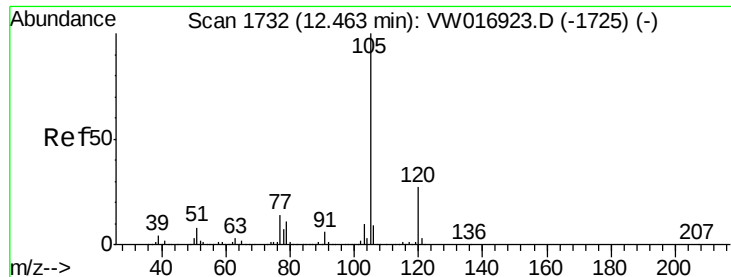
78 41.6 30.7 57.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 23.944 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016935.D

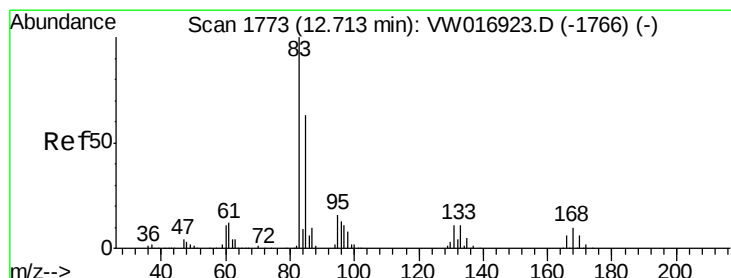
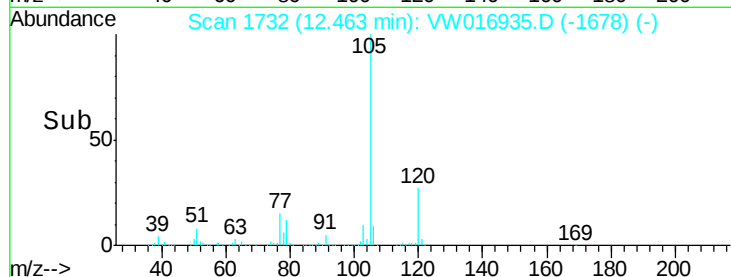
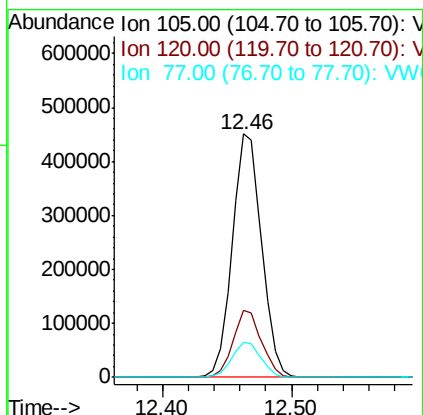
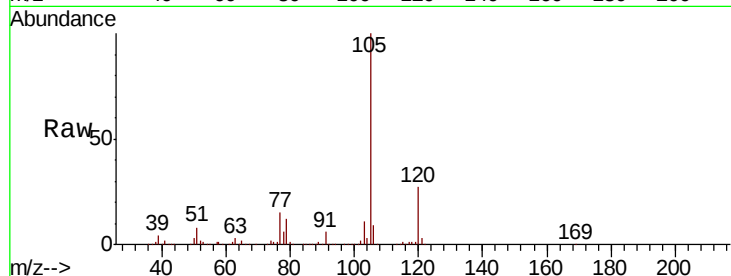
Acq: 16 Oct 2020 18:49

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	105	Resp:	712905
Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.5	32.3
77	14.4	11.4	17.2



#58

1,1,2,2-Tetrachloroethane

Concen: 24.198 ug/L

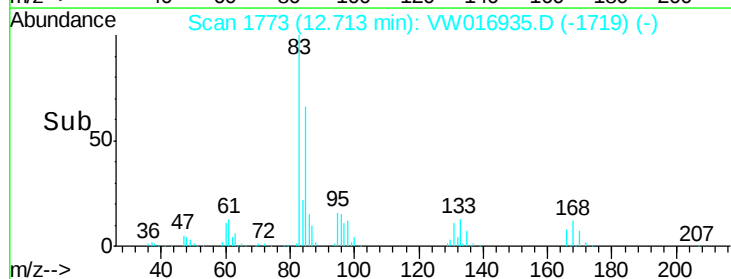
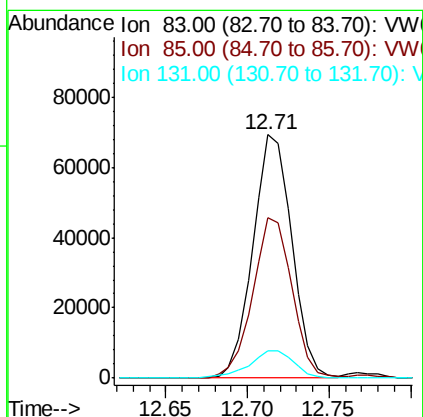
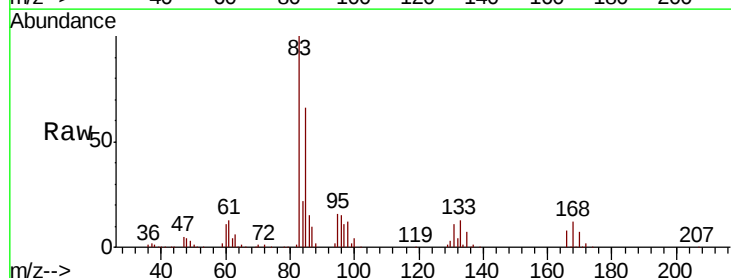
RT: 12.71 min Scan# 1773

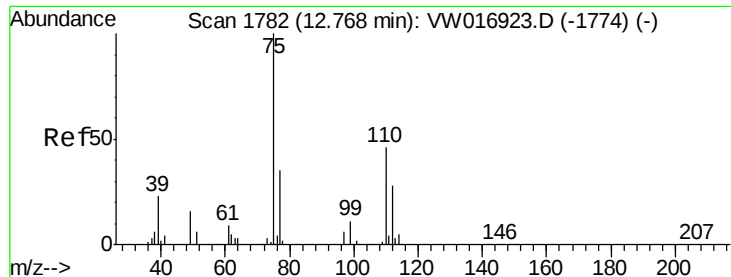
Delta R.T. 0.00 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

Tgt Ion:	83	Resp:	115585
Ion	Ratio	Lower	Upper
83	100		
85	65.9	43.3	80.5
131	11.4	9.0	13.4

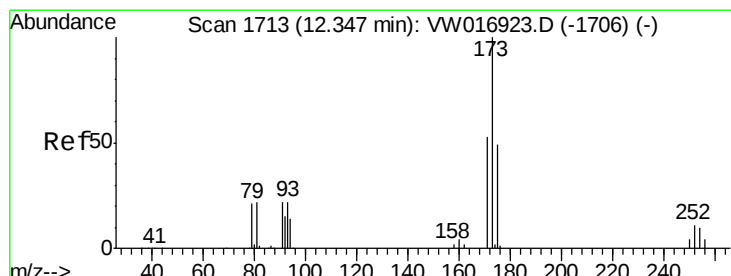
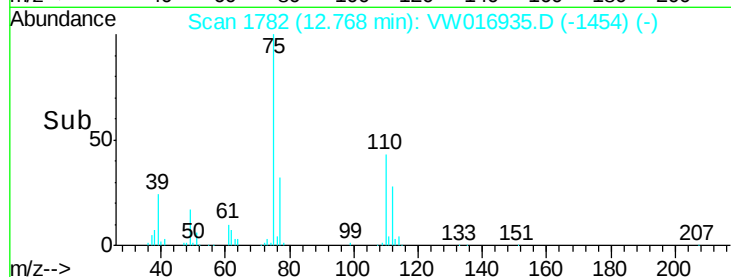
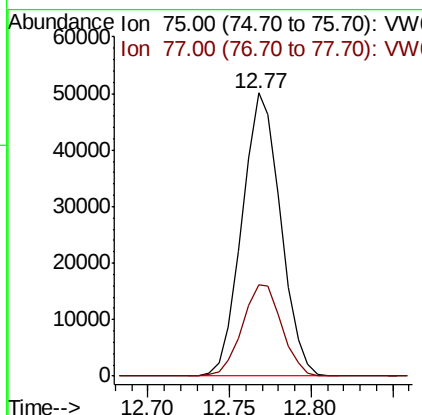
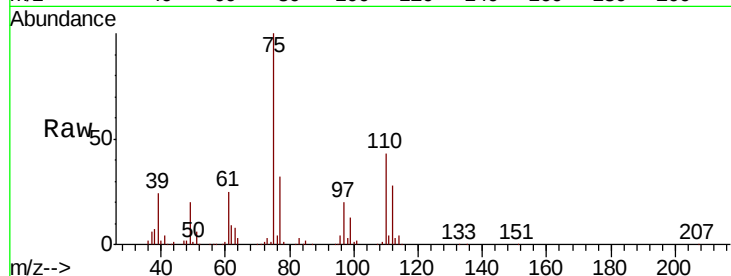




#59
 1,2,3-Trichloropropane
 Concen: 23.886 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016935.D
 Acq: 16 Oct 2020 18:49

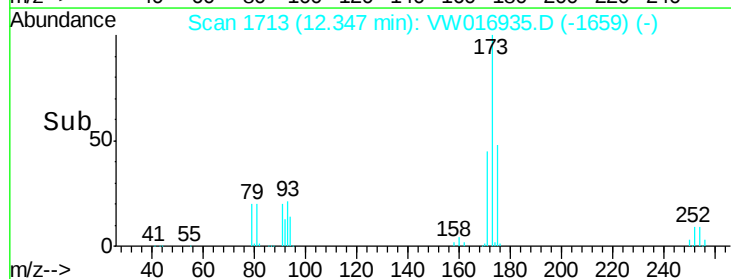
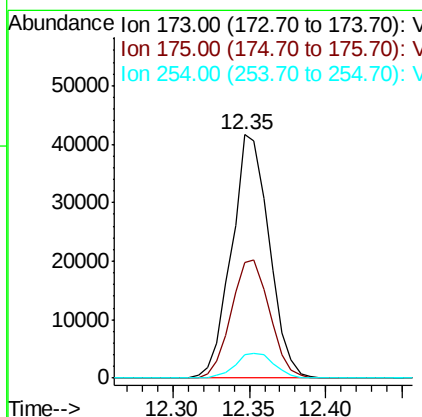
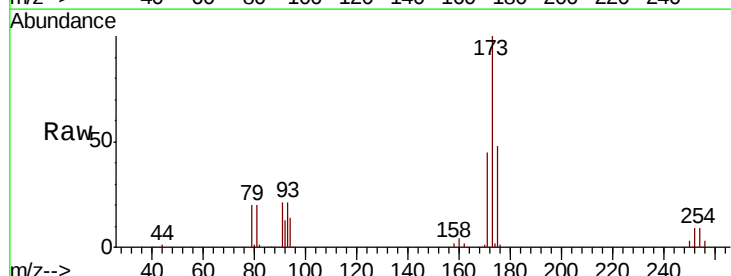
Instrument :
 MSVOA_W
 ClientSampleId :

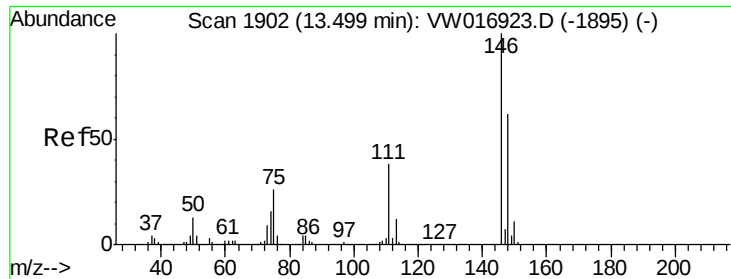
Tot Ion: 75 Resp: 82651
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.2 39.2



#62
 Bromoform
 Concen: 22.377 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW016935.D
 Acq: 16 Oct 2020 18:49

Tgt Ion: 173 Resp: 70947
 Ion Ratio Lower Upper
 173 100
 175 49.6 39.9 59.9
 254 10.6 8.7 13.1

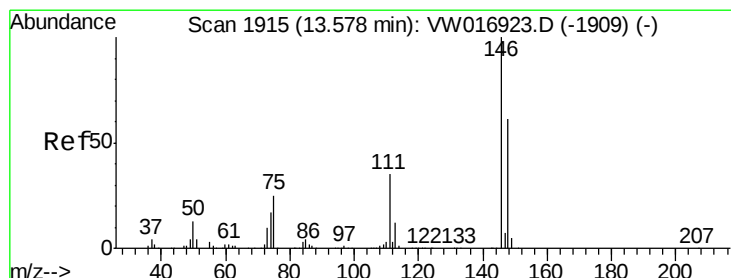
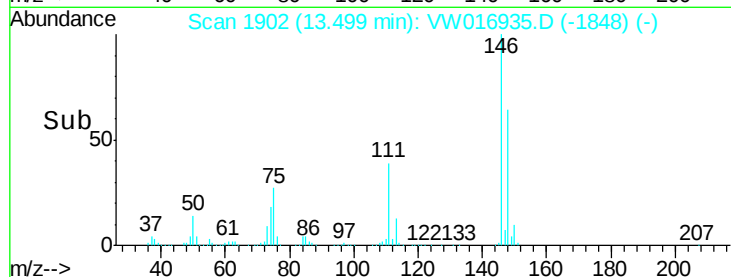
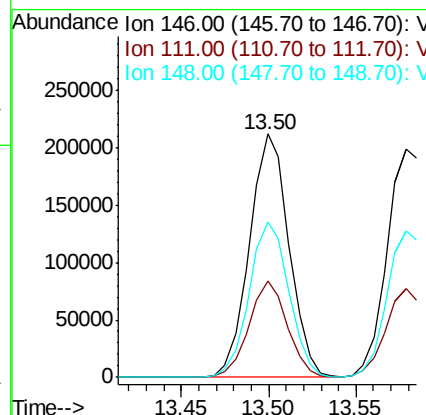
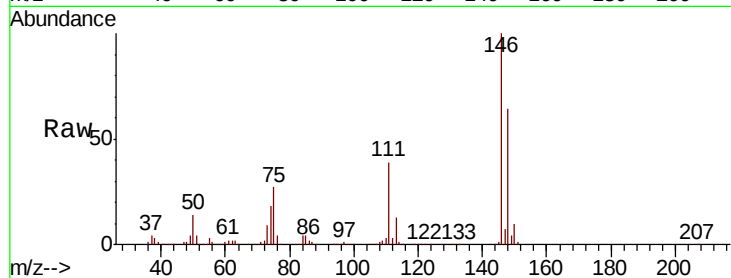




#63
 1,3-Dichlorobenzene
 Concen: 23.211 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016935.D
 Acq: 16 Oct 2020 18:49

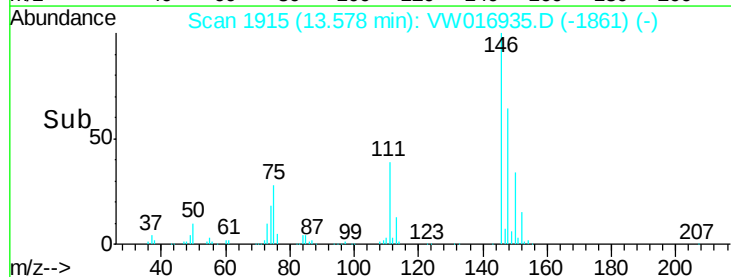
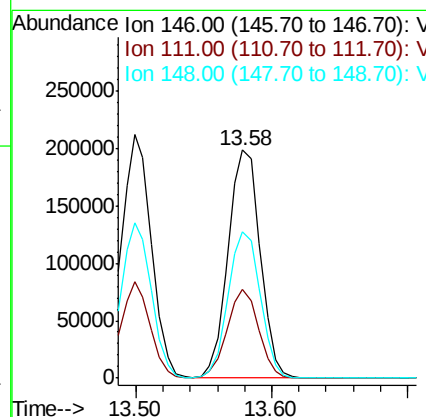
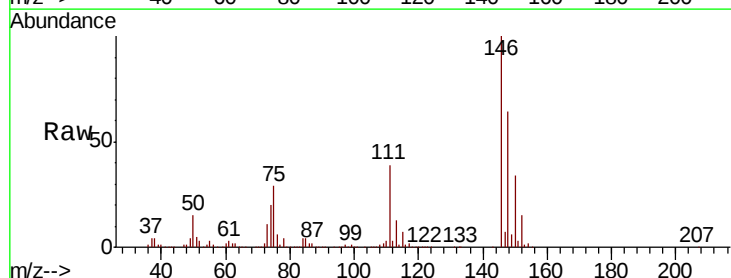
Instrument :
 MSVOA_W
 ClientSampleId :

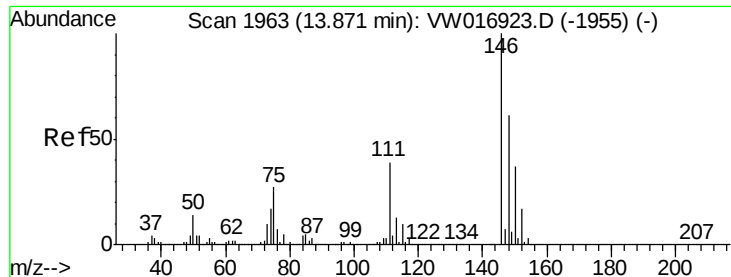
Tot Ion:146 Resp: 332939
 Ion Ratio Lower Upper
 146 100
 111 39.4 26.9 49.9
 148 63.8 45.7 84.9



#64
 1,4-Dichlorobenzene
 Concen: 22.702 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016935.D
 Acq: 16 Oct 2020 18:49

Tgt Ion:146 Resp: 325658
 Ion Ratio Lower Upper
 146 100
 111 39.0 26.0 48.4
 148 64.3 43.9 81.5

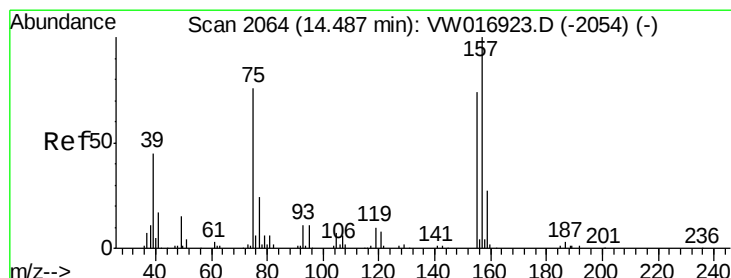
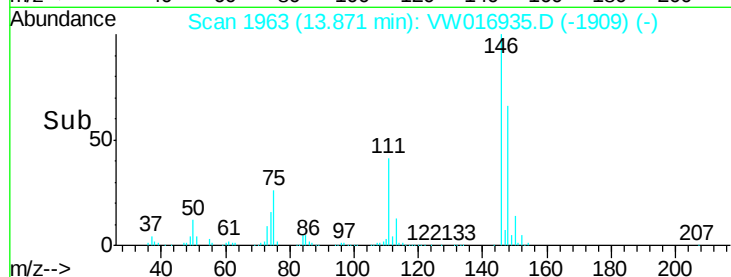
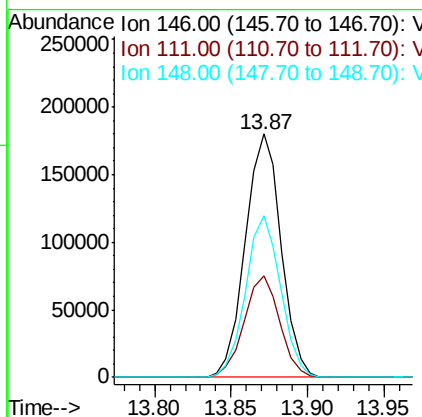
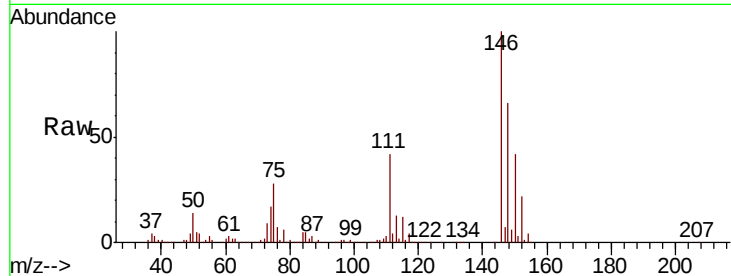




#65
 1,2-Dichlorobenzene
 Concen: 22.848 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016935.D
 Acq: 16 Oct 2020 18:49

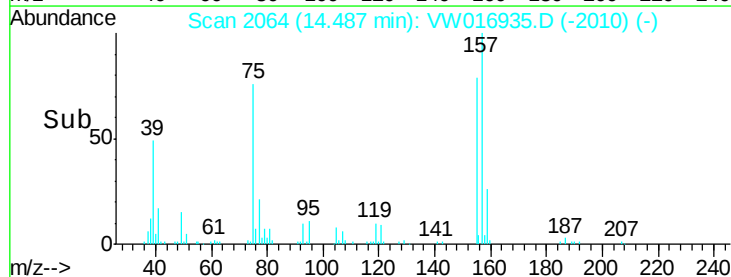
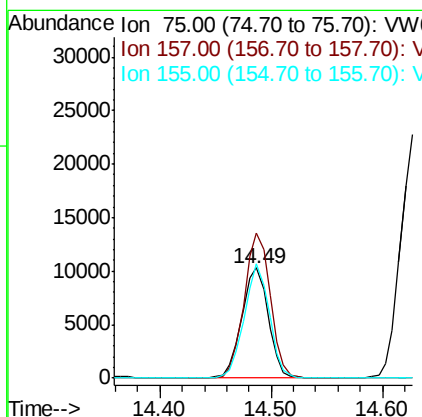
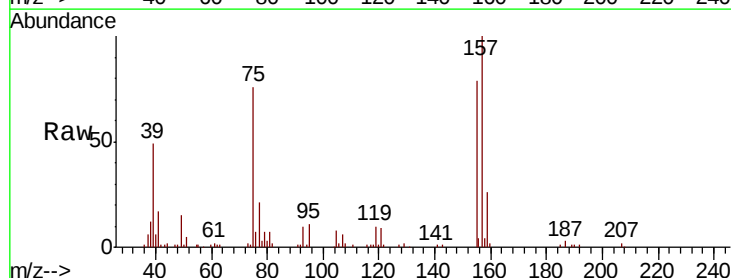
Instrument :
 MSVOA_W
 ClientSampled :

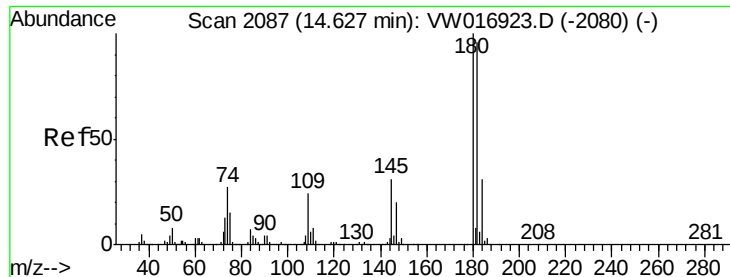
Tot Ion:146 Resp: 293436
 Ion Ratio Lower Upper
 146 100
 111 41.8 32.1 48.1
 148 66.3 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.082 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016935.D
 Acq: 16 Oct 2020 18:49

Tgt Ion: 75 Resp: 17202
 Ion Ratio Lower Upper
 75 100
 157 132.0 100.5 150.7
 155 104.0 74.7 112.1

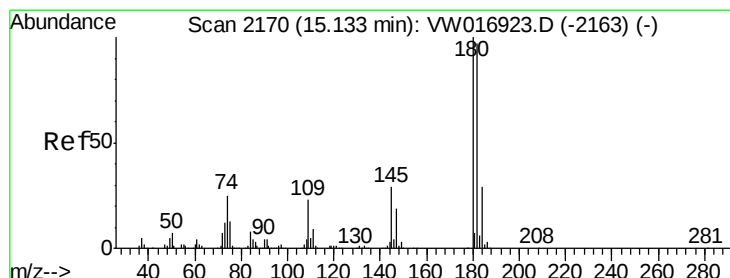
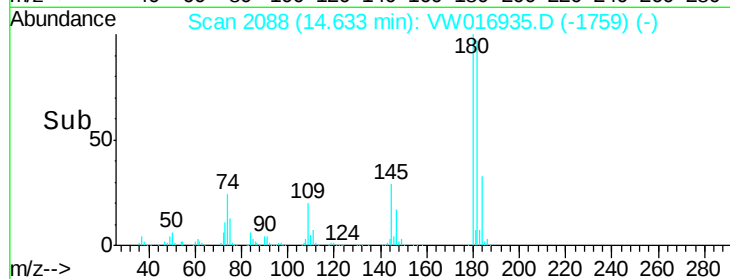
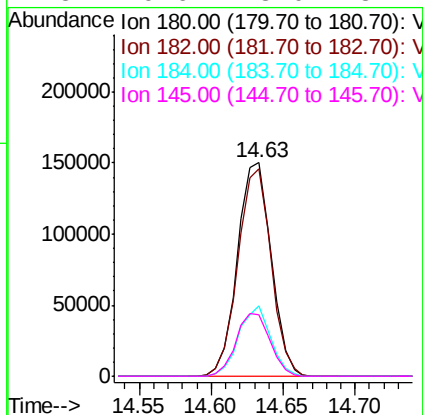
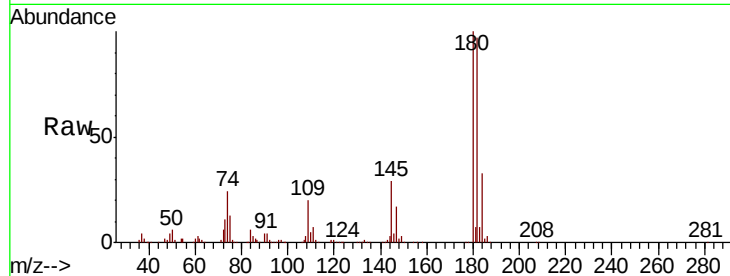




#67
 1,3,5-Trichlorobenzene
 Concen: 23.022 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016935.D
 Acq: 16 Oct 2020 18:49

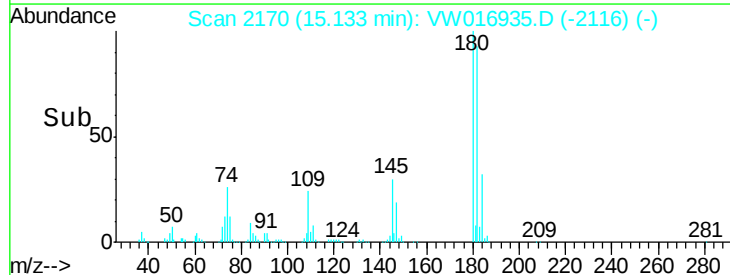
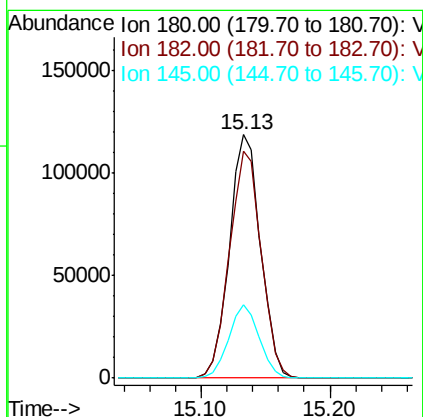
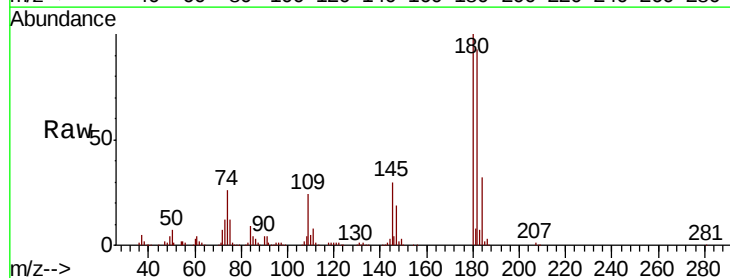
Instrument :
 MSVOA_W
 ClientSampleId :

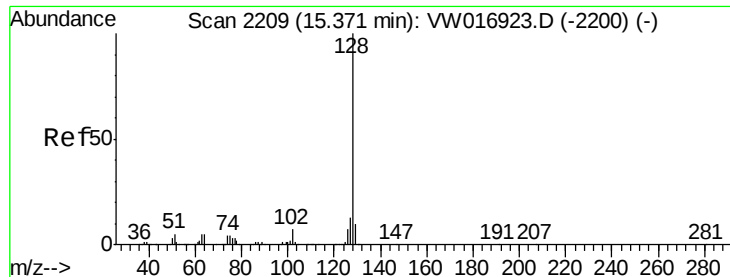
Tot Ion:180	Resp:	245460
Ion	Ratio	Lower Upper
180	100	
182	95.2	79.0 118.6
184	30.9	24.9 37.3
145	29.6	23.0 34.4



#68
 1,2,4-trichlorobenzene
 Concen: 22.820 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016935.D
 Acq: 16 Oct 2020 18:49

Tgt Ion:180	Resp:	199842
Ion	Ratio	Lower Upper
180	100	
182	95.2	74.2 111.2
145	29.5	23.4 35.0





#69

Naphthalene

Concen: 23.523 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

Instrument :

MSVOA_W

ClientSampled :

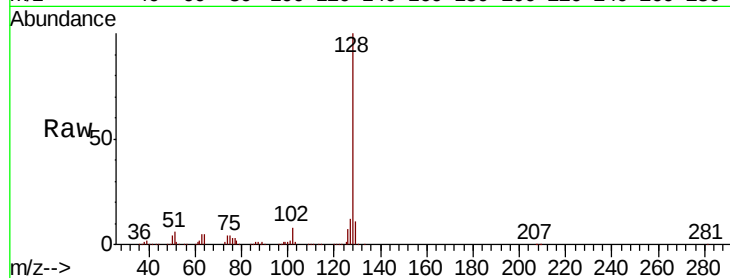
Tot Ion:128 Resp: 341118

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

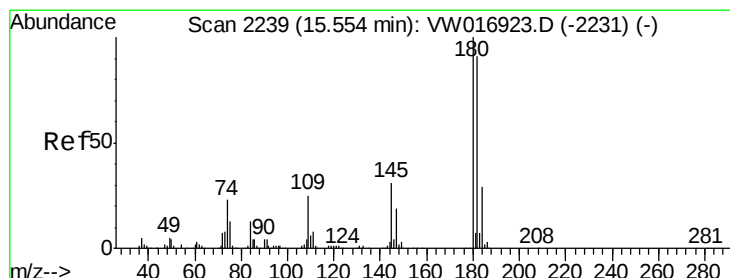
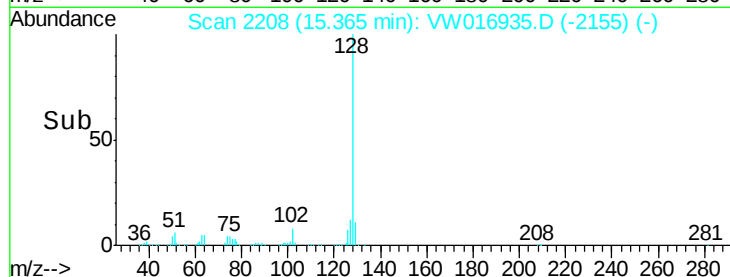
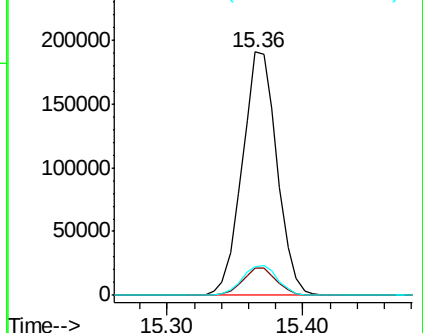
127 12.6 10.1 15.1



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: 23.190 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016935.D

Acq: 16 Oct 2020 18:49

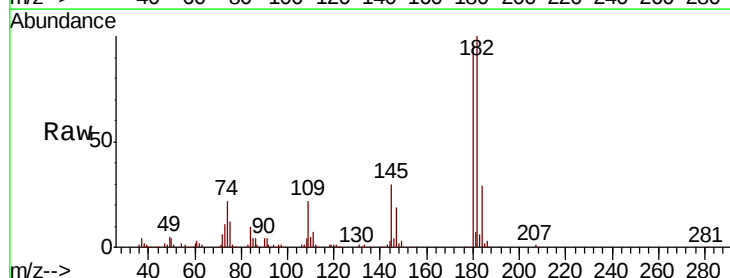
Tgt Ion:180 Resp: 174509

Ion Ratio Lower Upper

180 100

182 96.8 74.1 111.1

145 32.3 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

