

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042920\
 Data File : VW015381.D
 Acq On : 29 Apr 2020 15:36
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 30 08:28:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042820S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 08:26:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	330327	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	298179	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	164955	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	54888	22.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.28%
7) Chloroethane-d5	2.89	69	58366	20.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.40%
10) 1,1-Dichloroethene-d2	4.01	63	133047	21.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.56%
20) 2-Butanone-d5	7.09	46	45112	61.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.06%
24) Chloroform-d	7.65	84	159445	21.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	8.30	65	86044	23.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.04%
29) Benzene-d6	8.27	84	301959	21.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.92%
33) 1,2-Dichloropropane-d6	9.27	67	84200	21.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.64%
37) Toluene-d8	10.32	98	303365	21.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.56%
38) trans-1,3-Dichloropropene-	10.58	79	44748	22.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.00%
39) 2-Hexanone-d5	10.92	63	41176	58.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	89329	27.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	131050	22.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	60899	19.572	ug/L 100
3) Chloromethane	2.21	50	51660	20.277	ug/L 96
5) Vinyl chloride	2.37	62	85140	27.676	ug/L 99
6) Bromomethane	2.78	94	67770	23.438	ug/L 100
8) Chloroethane	2.93	64	57235	23.976	ug/L 98
9) Trichlorofluoromethane	3.26	101	82981	23.032	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	92949	24.435	ug/L 98
12) 1,1-Dichloroethene	4.03	96	87858	23.641	ug/L 95
13) Acetone	4.14	43	30992	49.780	ug/L 100
14) Carbon disulfide	4.38	76	242789	23.934	ug/L 99
15) Methyl Acetate	4.68	43	35042	28.223	ug/L 99
16) Methylene chloride	4.91	84	86954	20.670	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	139652	25.412	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	95207	23.383	ug/L 98
19) 1,1-Dichloroethane	6.21	63	146198	23.054	ug/L 98
21) 2-Butanone	7.18	43	47642	50.595	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	100310	22.815	ug/L 98

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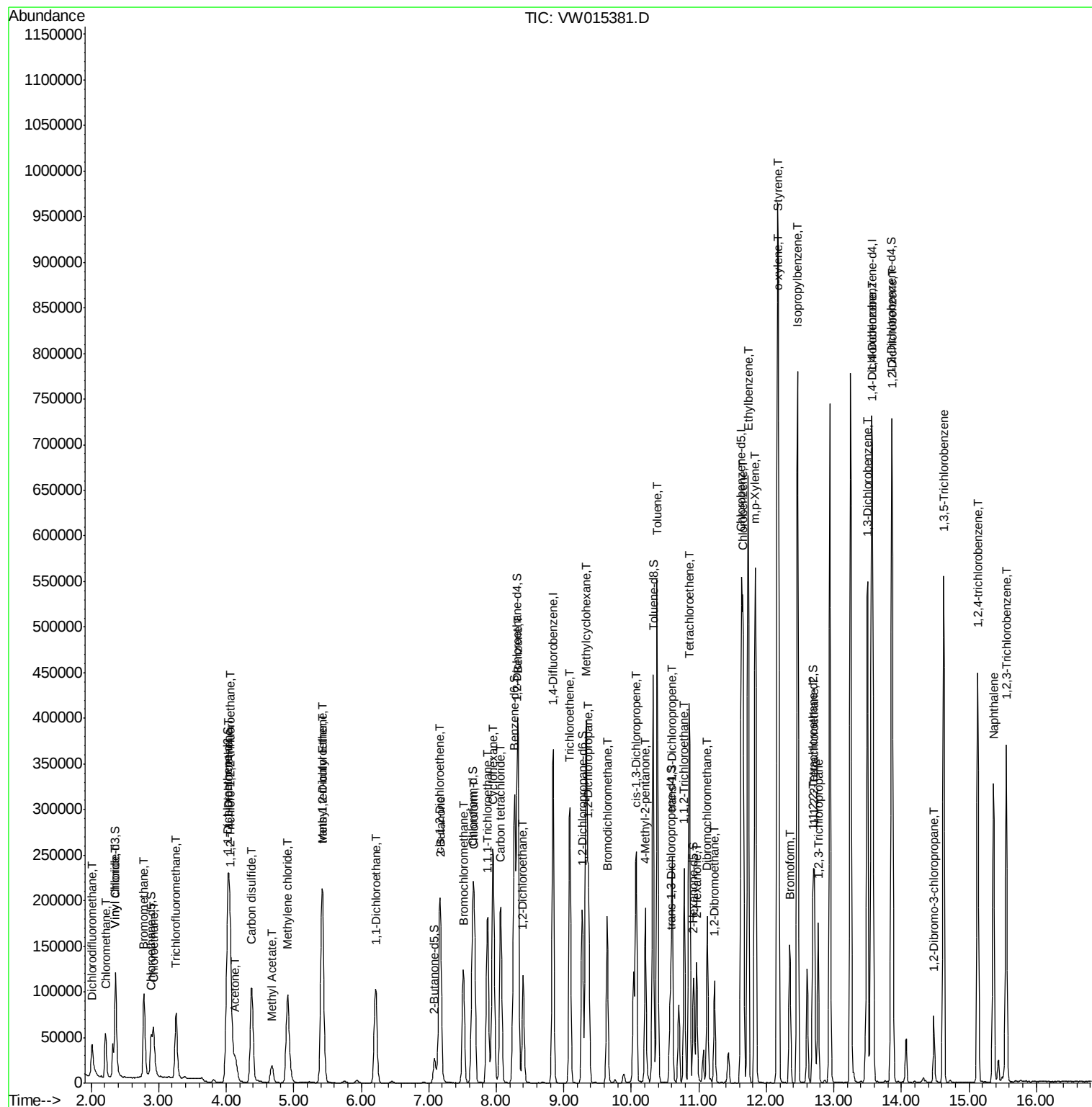
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	50267	23.812	ug/L	99
25) Chloroform	7.68	83	165058	22.883	ug/L	99
27) 1,2-Dichloroethane	8.40	62	110343	24.120	ug/L	100
30) Cyclohexane	7.95	56	136168	23.853	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	153928	23.995	ug/L	100
32) Carbon tetrachloride	8.07	117	150487	24.261	ug/L	100
34) Benzene	8.32	78	355191	23.241	ug/L	100
35) Trichloroethene	9.09	95	103312	23.497	ug/L	100
36) Methylcyclohexane	9.34	83	177561	23.956	ug/L	99
40) 1,2-Dichloropropane	9.37	63	79707	22.982	ug/L	100
41) Bromodichloromethane	9.65	83	124214	23.398	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	143121	23.569	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	113774	48.647	ug/L	99
44) Toluene	10.38	91	411751	23.215	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	130038	24.093	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	73989	24.857	ug/L	98
47) Tetrachloroethene	10.86	164	98770	23.547	ug/L	99
49) 2-Hexanone	10.97	43	76593	59.816	ug/L	99
50) Dibromochloromethane	11.13	129	98362	24.434	ug/L	98
51) 1,2-Dibromoethane	11.23	107	77247	26.029	ug/L	98
52) Chlorobenzene	11.65	112	275375	23.038	ug/L	97
53) Ethylbenzene	11.73	91	476113	23.210	ug/L	99
54) m,p-Xylene	11.84	106	189441	23.329	ug/L	95
55) o-xylene	12.16	106	181560	23.305	ug/L	97
56) Styrene	12.18	104	310325	23.726	ug/L	98
57) Isopropylbenzene	12.46	105	514740	24.266	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	92059	27.805	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	68211	28.250	ug/L	99
62) Bromoform	12.35	173	70983	26.185	ug/L #	93
63) 1,3-Dichlorobenzene	13.50	146	241656	23.055	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	237836	22.935	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	223901	23.794	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.48	75	17259	28.033	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	187741	23.169	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	159087	23.888	ug/L	98
69) Naphthalene	15.36	128	296347	26.616	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	140164	24.373	ug/L	98

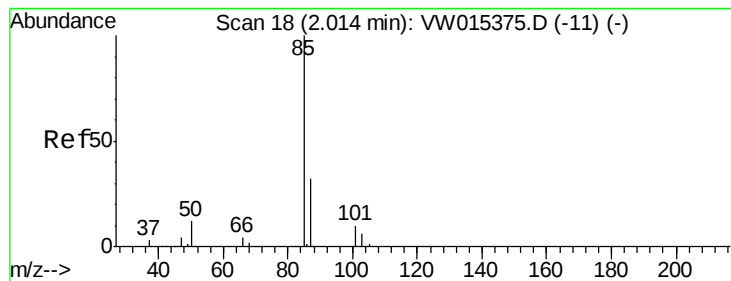
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.572 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

Instrument :

MSVOA_W

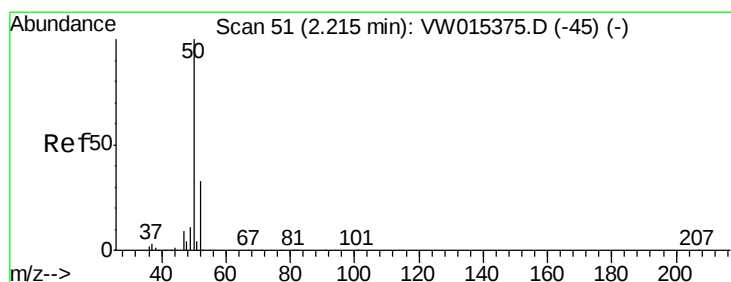
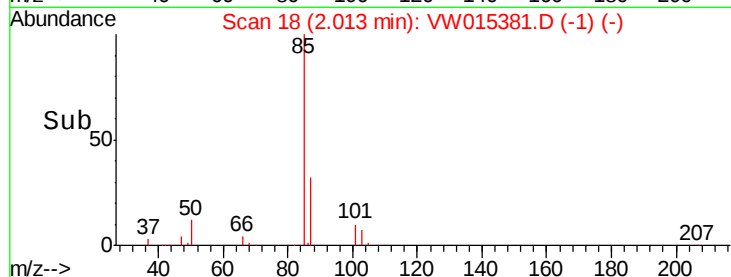
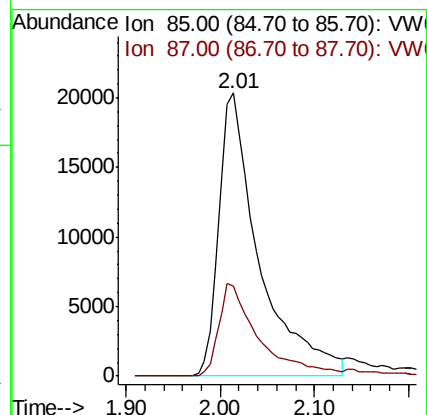
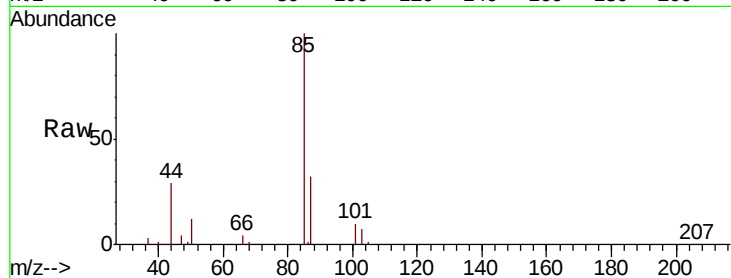
ClientSampleId :

Tot Ion: 85 Resp: 60899

Ion Ratio Lower Upper

85 100

87 32.3 22.5 41.9



#3

Chloromethane

Concen: 20.277 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015381.D

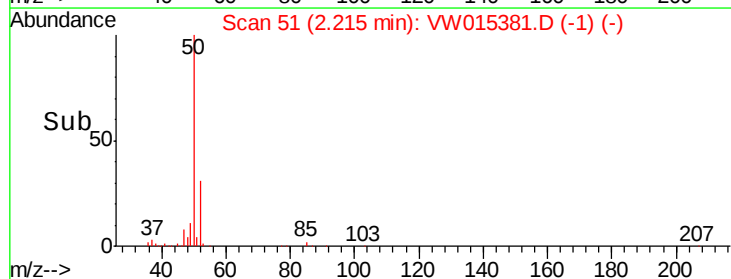
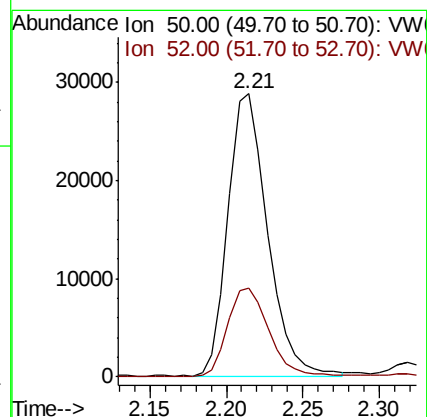
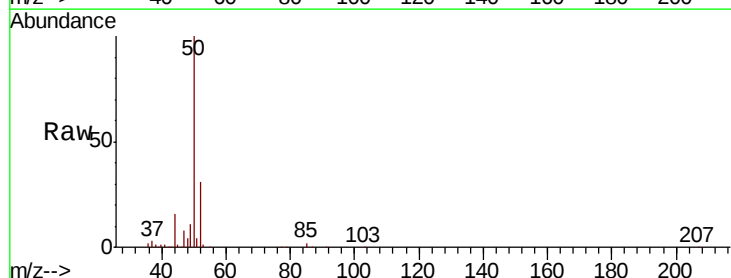
Acq: 29 Apr 2020 15:36

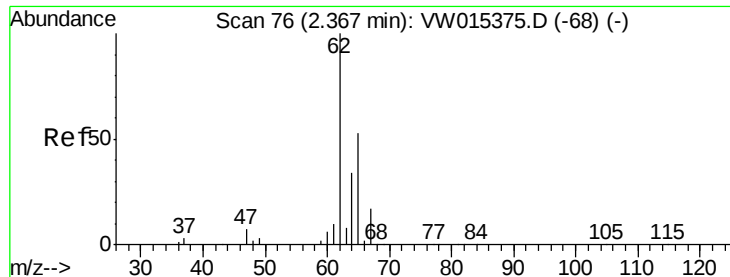
Tgt Ion: 50 Resp: 51660

Ion Ratio Lower Upper

50 100

52 31.3 23.6 43.8





#5

Vinyl chloride

Concen: 27.676 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

Instrument :

MSVOA_W

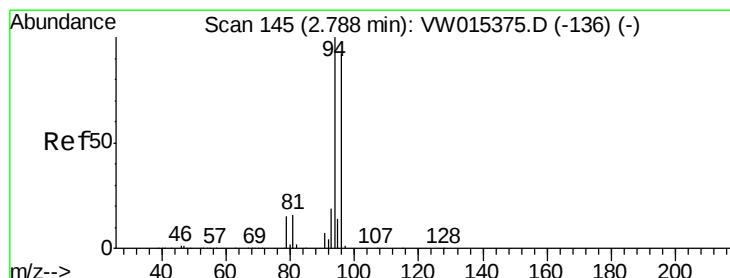
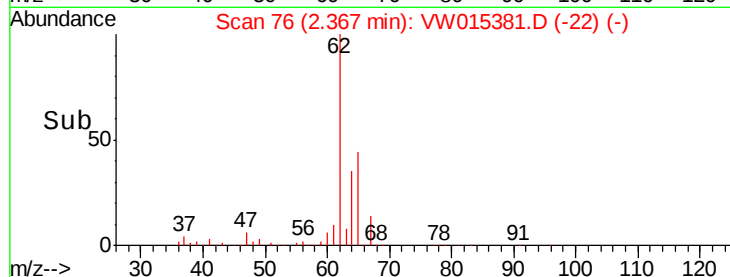
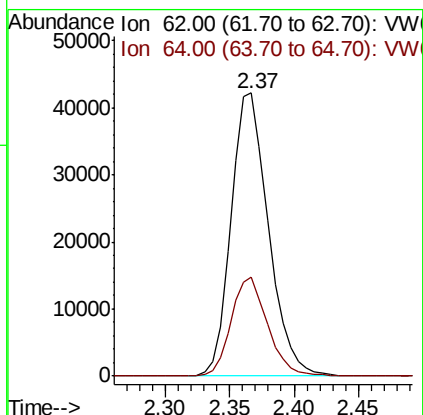
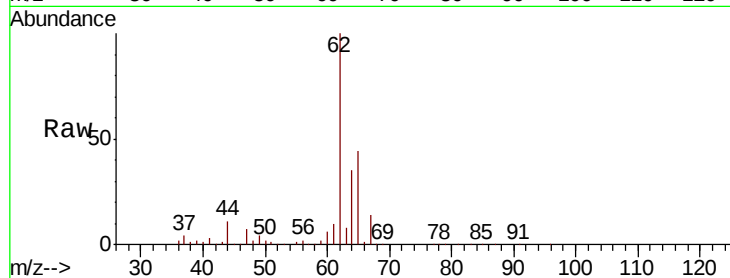
ClientSampleId :

Tot Ion: 62 Resp: 85140

Ion Ratio Lower Upper

62 100

64 34.8 24.6 45.8



#6

Bromomethane

Concen: 23.438 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015381.D

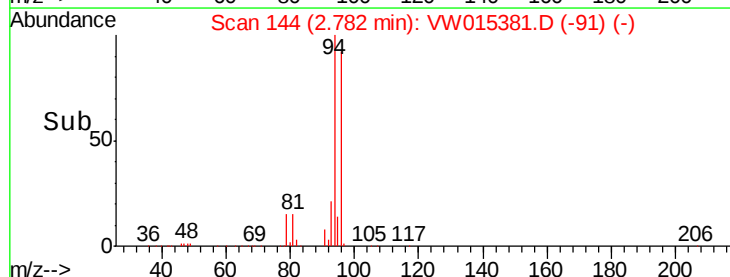
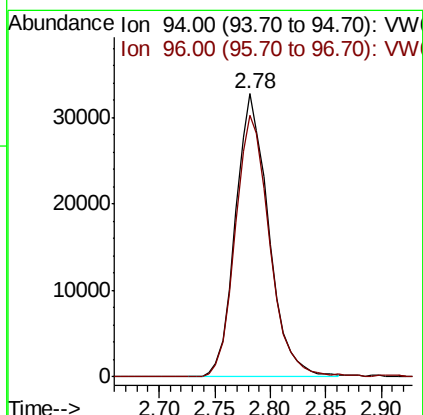
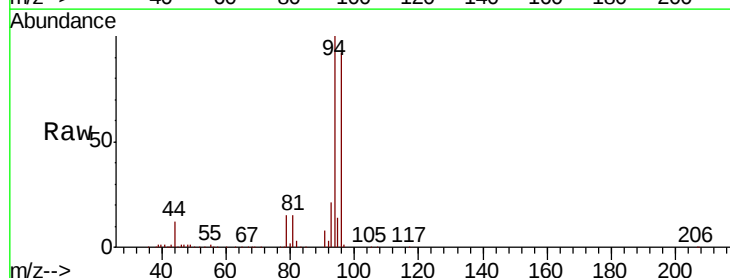
Acq: 29 Apr 2020 15:36

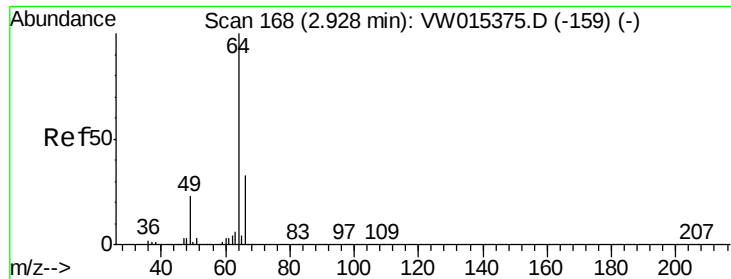
Tgt Ion: 94 Resp: 67770

Ion Ratio Lower Upper

94 100

96 95.1 9.5 180.1

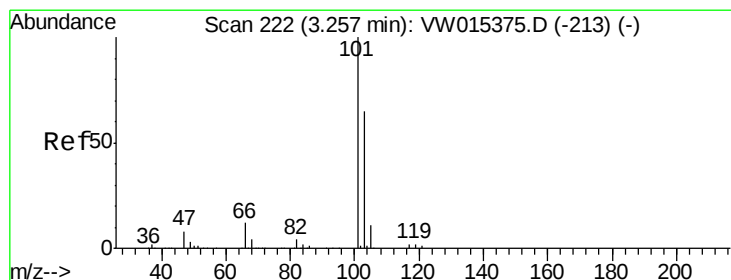
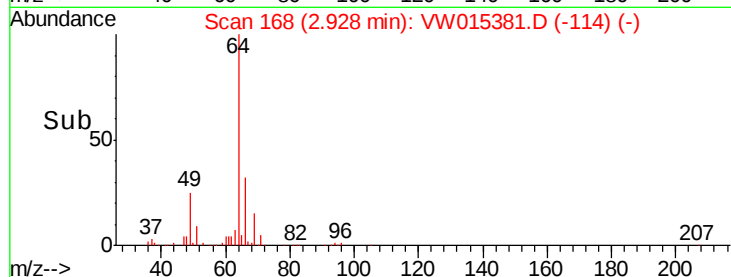
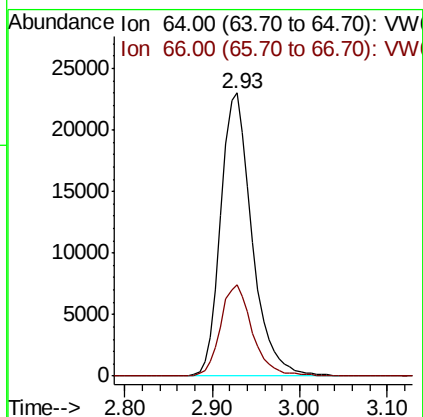
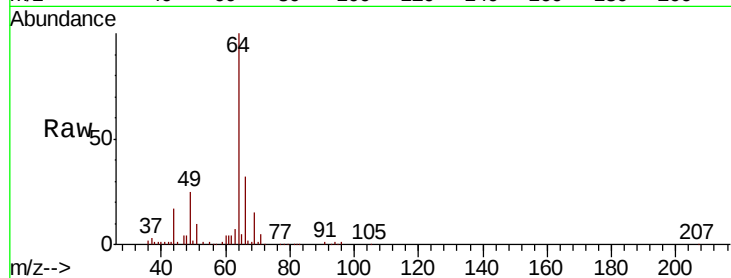




#8
Chloroethane
Concen: 23.976 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

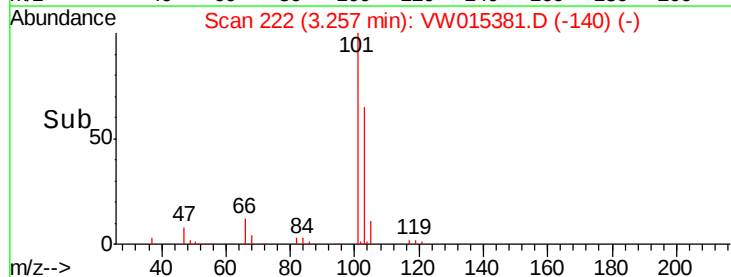
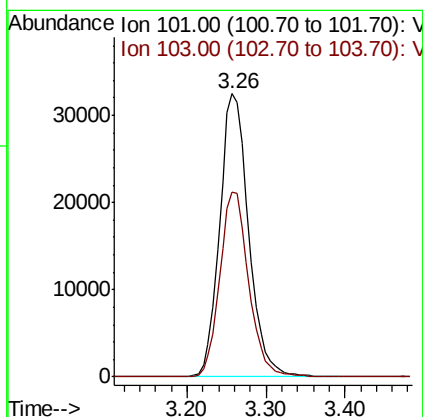
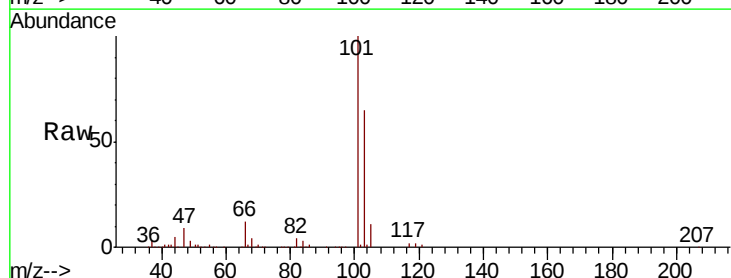
Instrument :
MSVOA_W
ClientSampled :

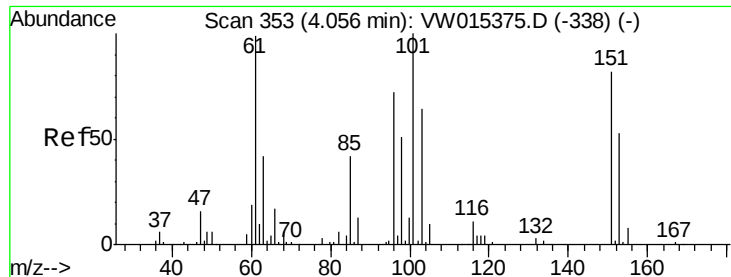
Tot Ion: 64 Resp: 57235
Ion Ratio Lower Upper
64 100
66 32.3 23.5 43.7



#9
Trichlorofluoromethane
Concen: 23.032 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

Tgt Ion:101 Resp: 82981
Ion Ratio Lower Upper
101 100
103 64.8 45.4 84.4





#11

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

Concen: 24.435 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

Instrument :

MSVOA_W

ClientSampled :

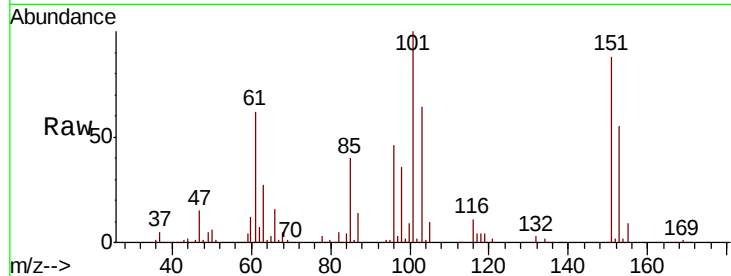
Tot Ion:101 Resp: 92949

Ion Ratio Lower Upper

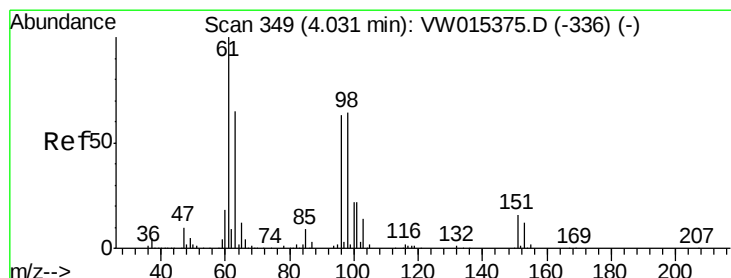
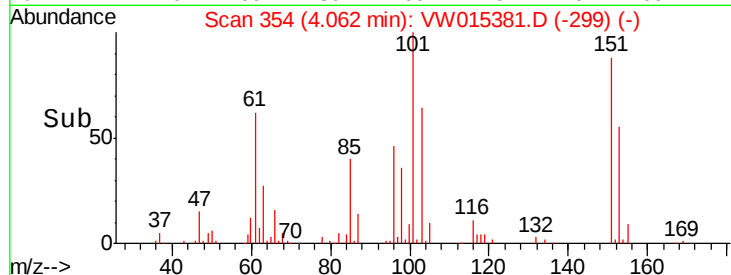
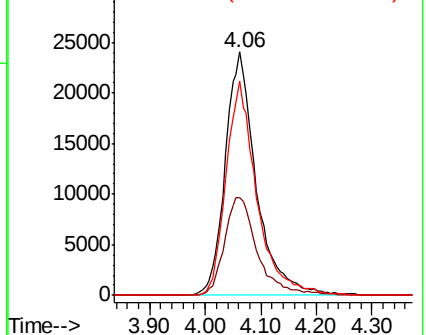
101 100

85 41.7 32.5 48.7

151 87.1 68.2 102.2



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: 23.641 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

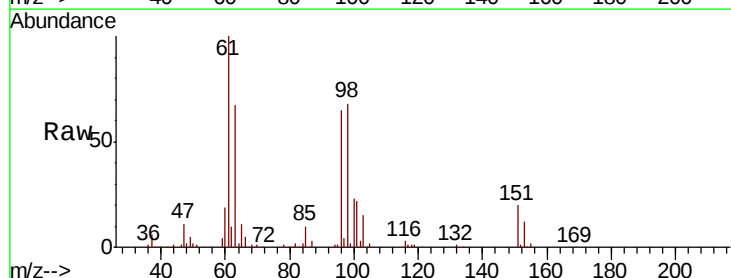
Tgt Ion: 96 Resp: 87858

Ion Ratio Lower Upper

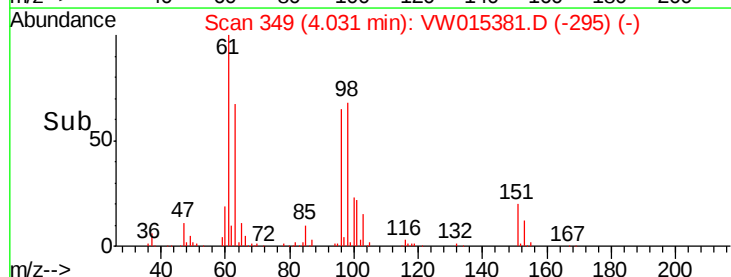
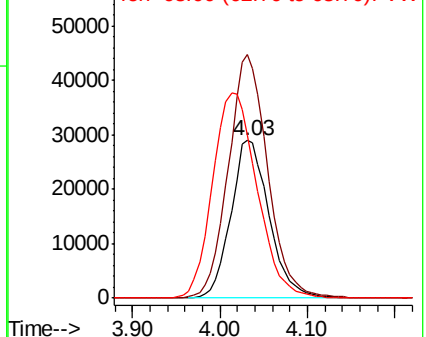
96 100

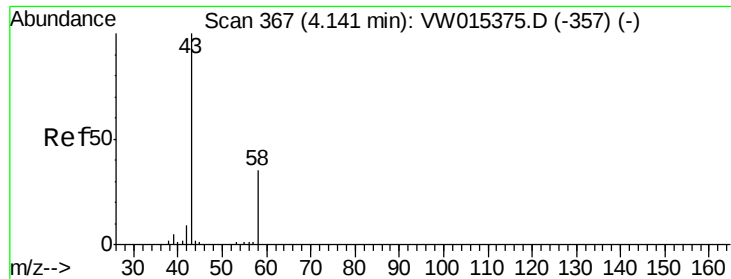
61 154.5 109.1 202.7

63 103.2 79.2 147.2



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: 49.780 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

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MSVOA_W

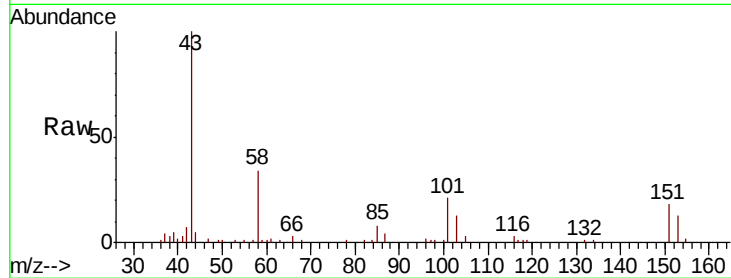
ClientSampleId :

Tot Ion: 43 Resp: 30992

Ion Ratio Lower Upper

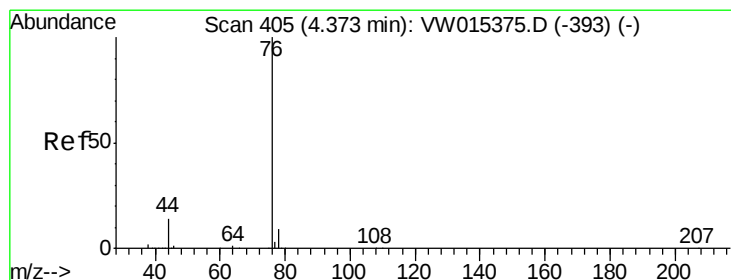
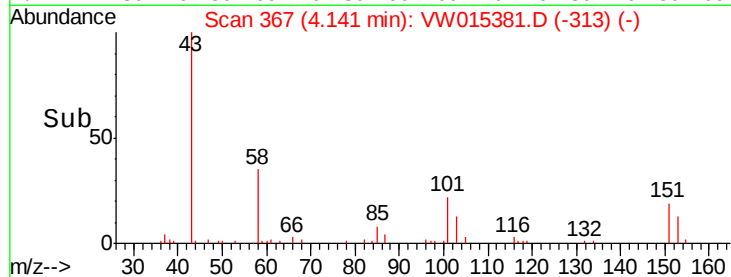
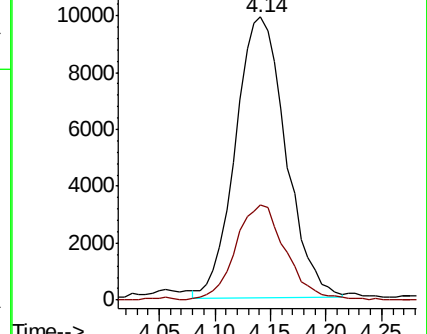
43 100

58 33.9 0.0 68.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.934 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW015381.D

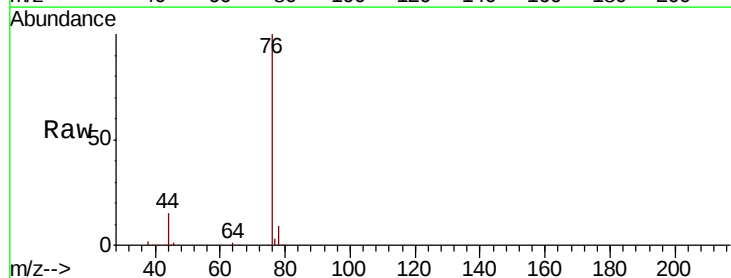
Acq: 29 Apr 2020 15:36

Tgt Ion: 76 Resp: 242789

Ion Ratio Lower Upper

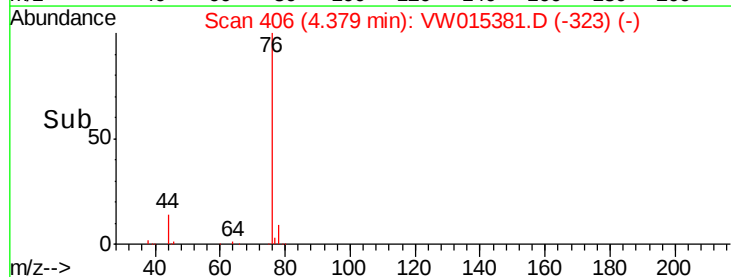
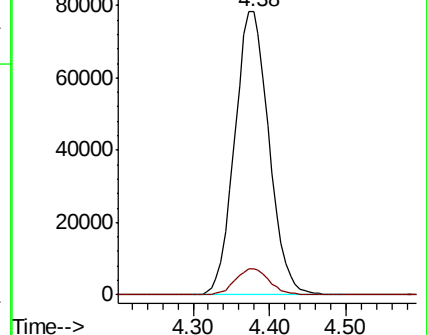
76 100

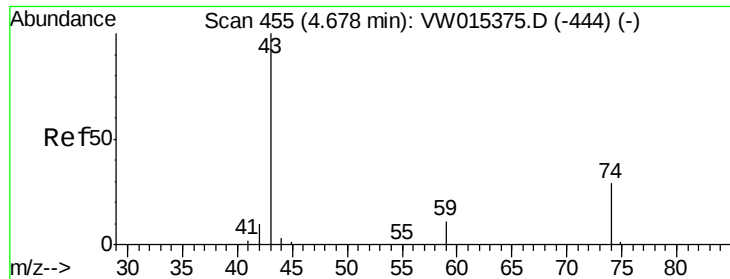
78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

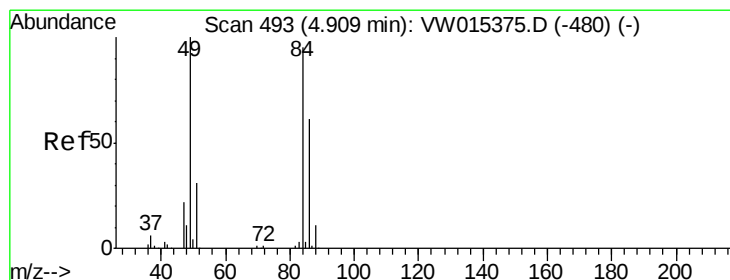
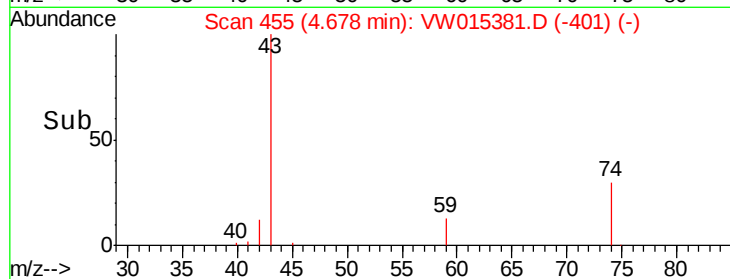
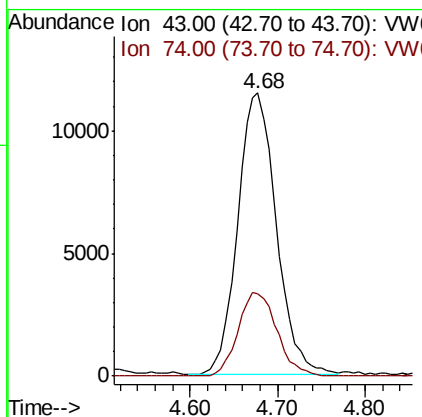
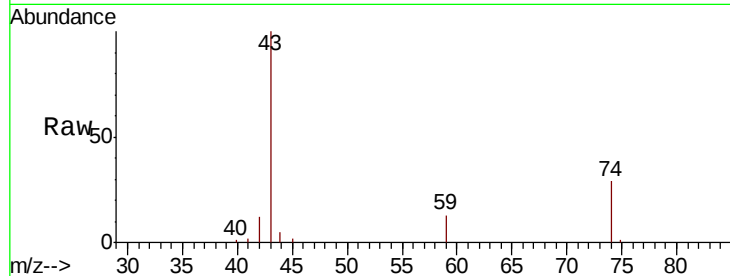




#15
Methyl Acetate
Concen: 28.223 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

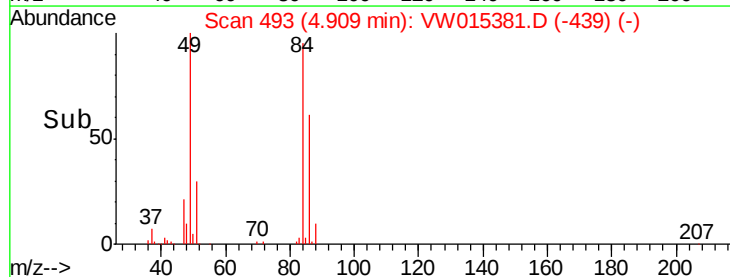
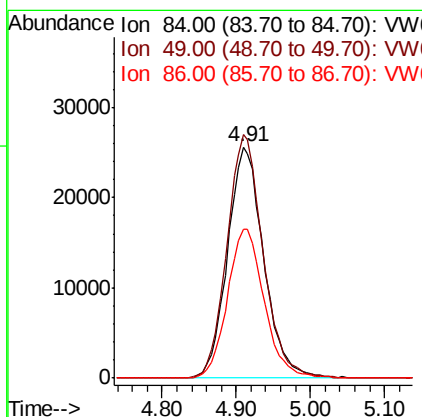
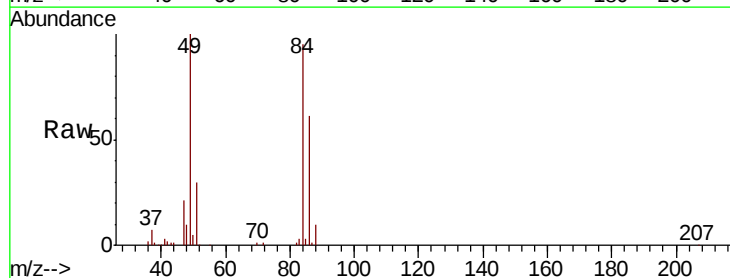
Instrument :
MSVOA_W
ClientSampled :

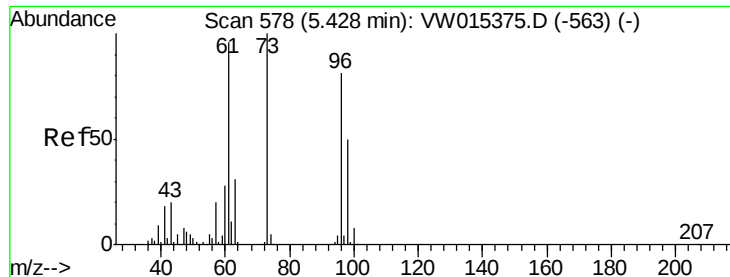
Tot Ion: 43 Resp: 35042
Ion Ratio Lower Upper
43 100
74 29.9 23.5 35.3



#16
Methylene chloride
Concen: 20.670 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

Tgt Ion: 84 Resp: 86954
Ion Ratio Lower Upper
84 100
49 105.4 74.6 138.6
86 64.6 44.6 82.8

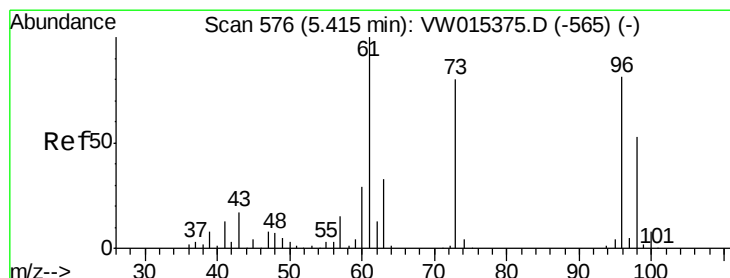
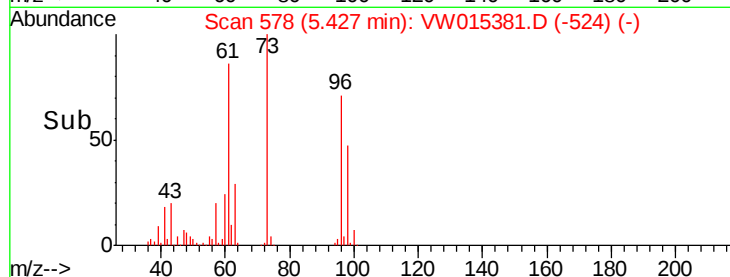
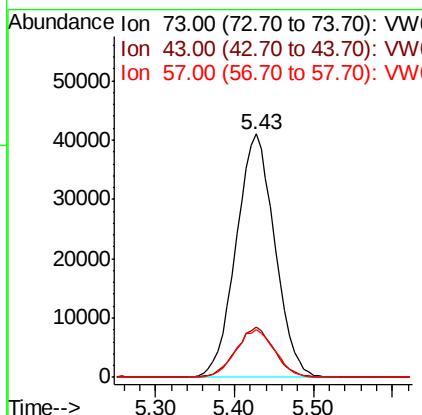
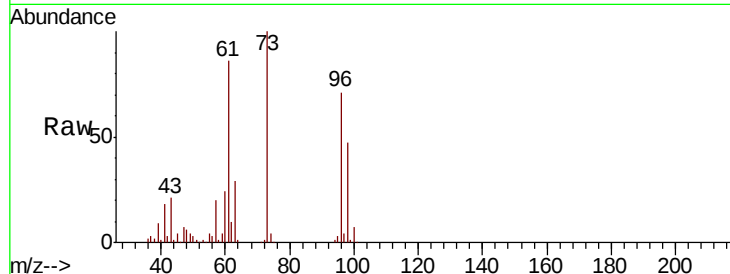




#17
Methvl tert-butvl Ether
Concen: 25.412 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

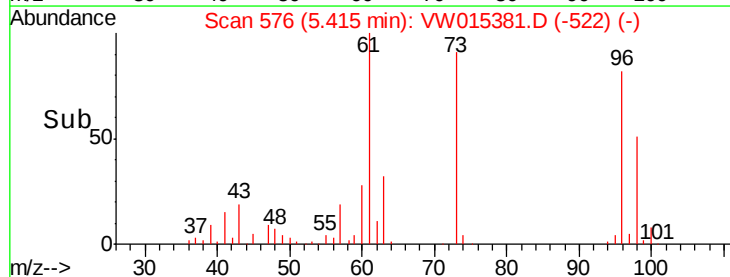
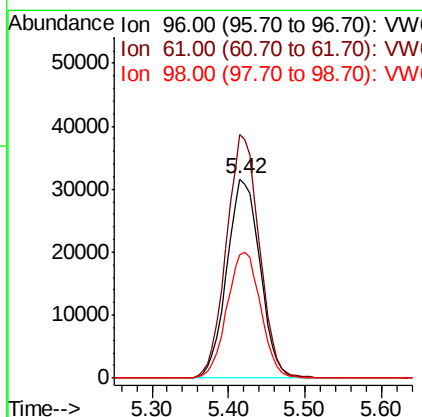
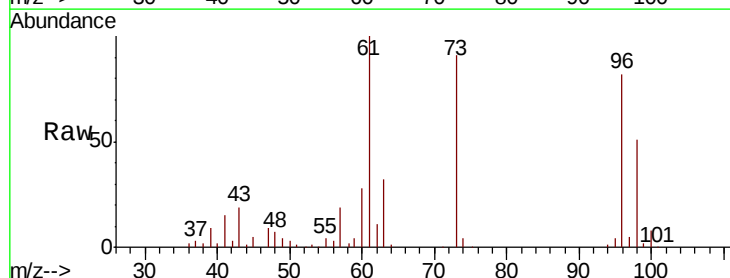
Instrument :
MSVOA_W
ClientSampleId :

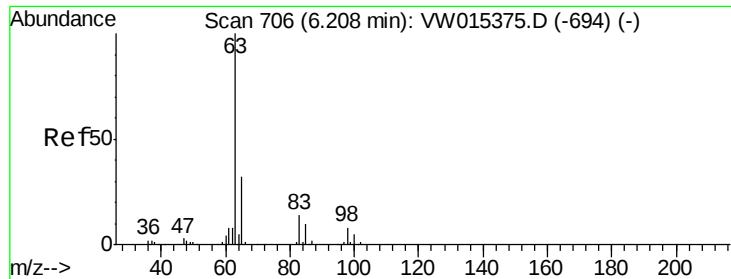
Tot Ion: 73 Resp: 139652
Ion Ratio Lower Upper
73 100
43 20.5 16.7 25.1
57 20.1 15.9 23.9



#18
trans-1,2-Dichloroethene
Concen: 23.383 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

Tgt Ion: 96 Resp: 95207
Ion Ratio Lower Upper
96 100
61 122.1 86.4 160.4
98 61.8 45.3 84.1

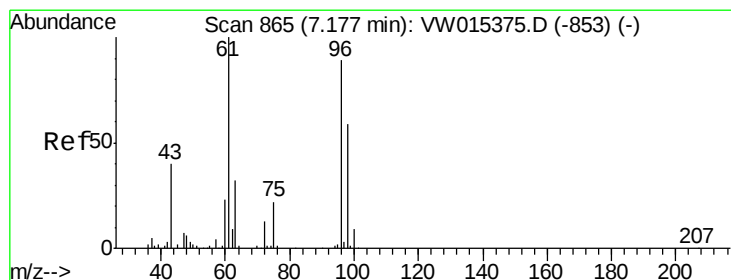
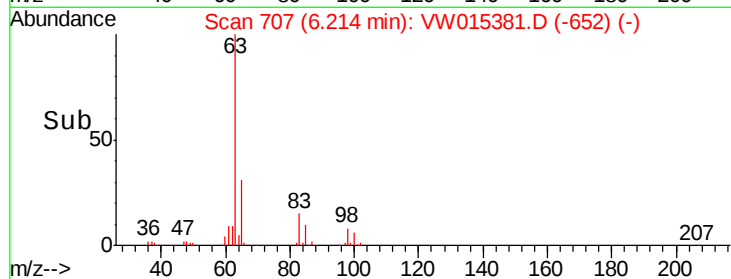
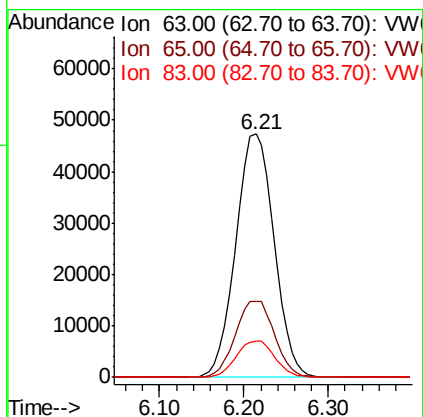
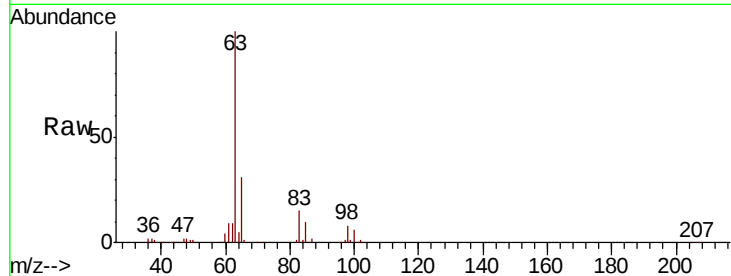




#19
 1,1-Dichloroethane
 Concen: 23.054 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

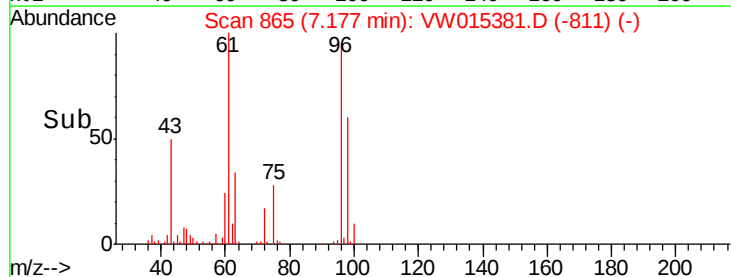
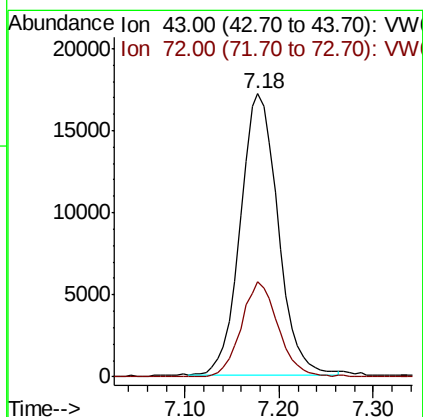
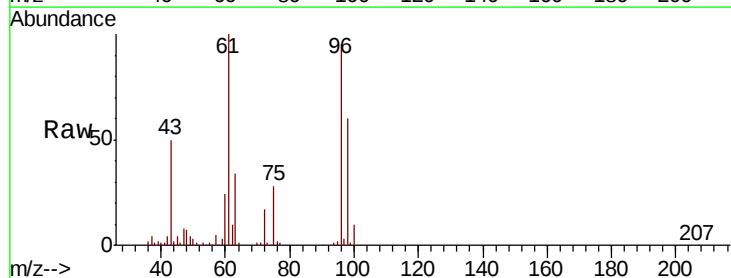
Instrument :
 MSVOA_W
 ClientSampled :

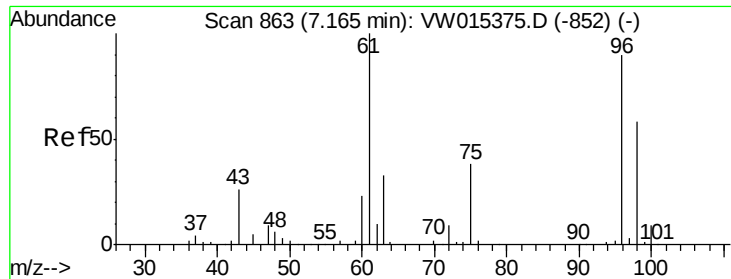
Tot Ion: 63 Resp: 146198
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.2 43.0
 83 15.1 10.4 19.4



#21
 2-Butanone
 Concen: 50.595 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

Tgt Ion: 43 Resp: 47642
 Ion Ratio Lower Upper
 43 100
 72 33.2 16.0 47.9



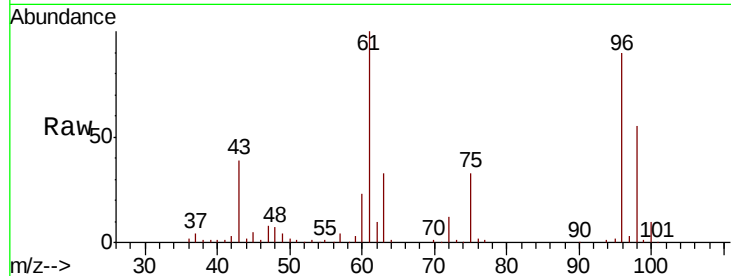


#22

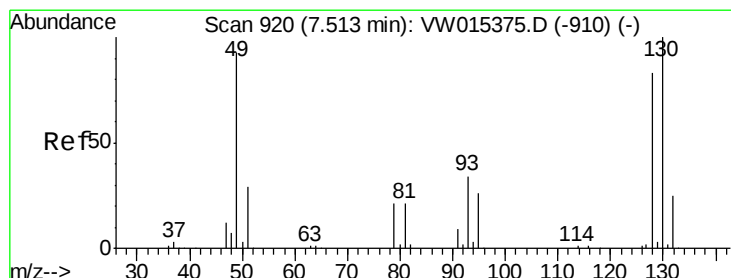
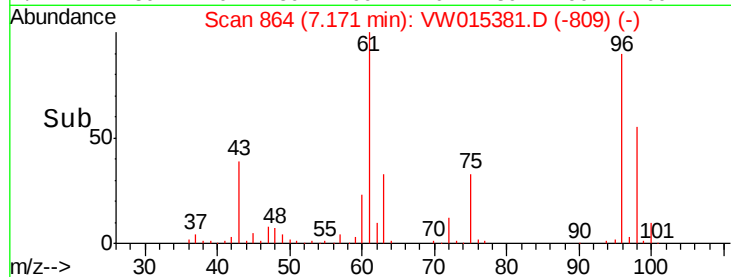
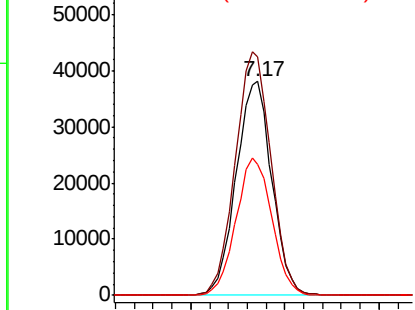
cis-1,2-Dichloroethene
 Concen: 22.815 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 96 Resp: 100310
 Ion Ratio Lower Upper
 96 100
 61 111.6 79.3 147.3
 98 61.0 43.6 81.0



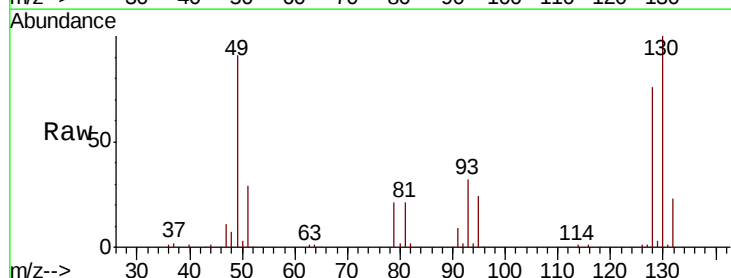
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



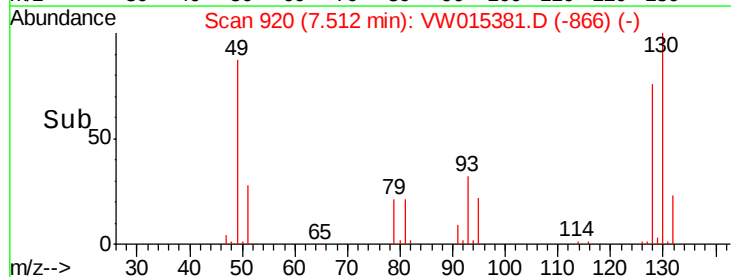
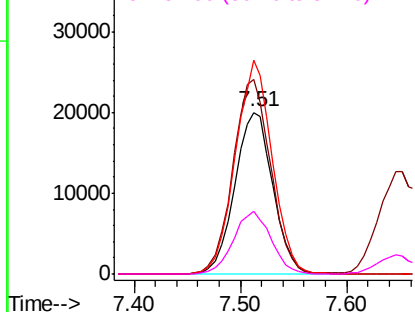
#23

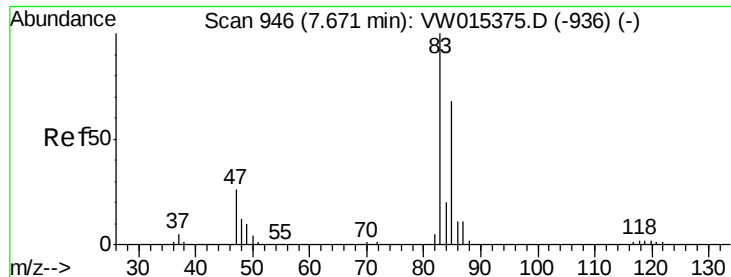
Bromochloromethane
 Concen: 23.812 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

Tgt Ion: 128 Resp: 50267
 Ion Ratio Lower Upper
 128 100
 49 120.6 85.8 159.4
 130 132.3 92.2 171.2
 51 39.0 32.0 48.0



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

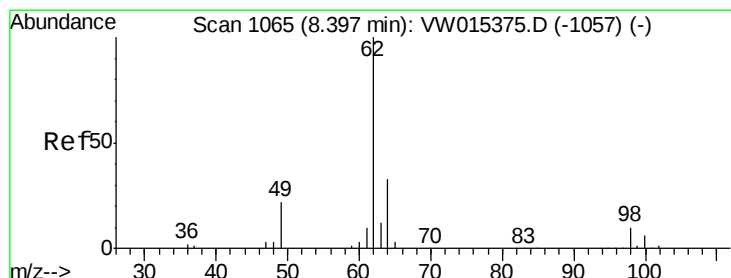
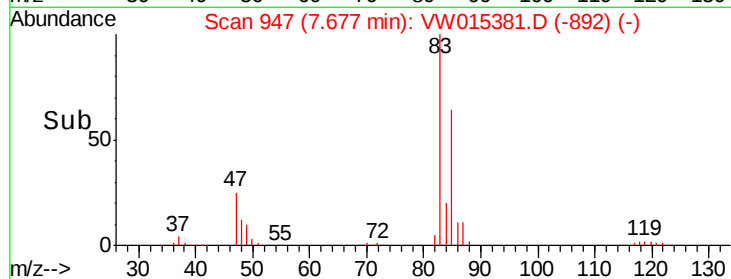
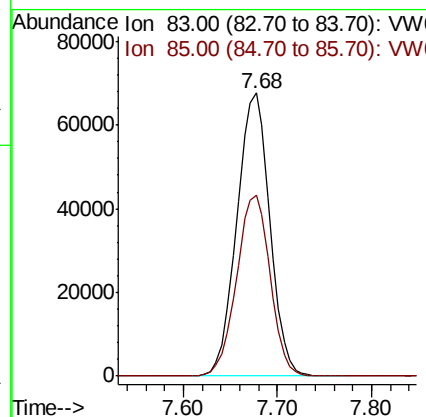
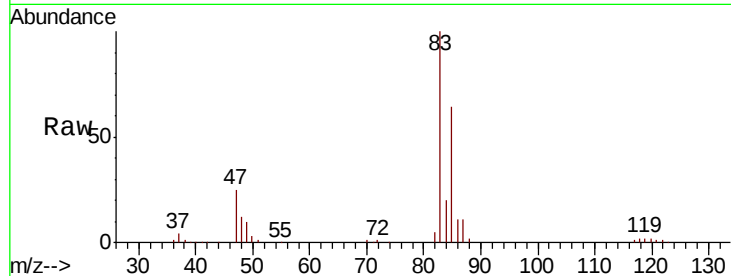




#25
Chloroform
Concen: 22.883 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

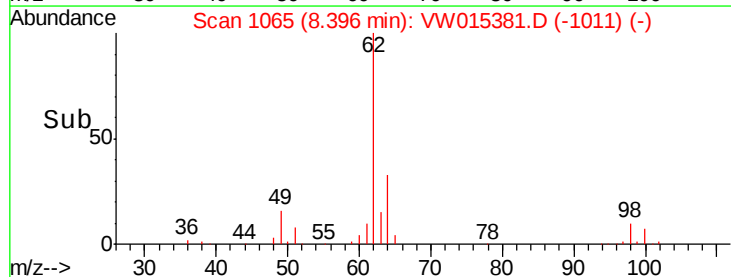
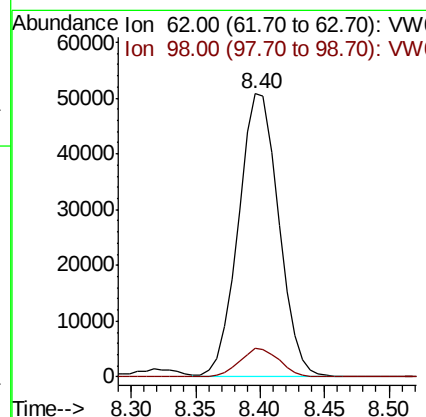
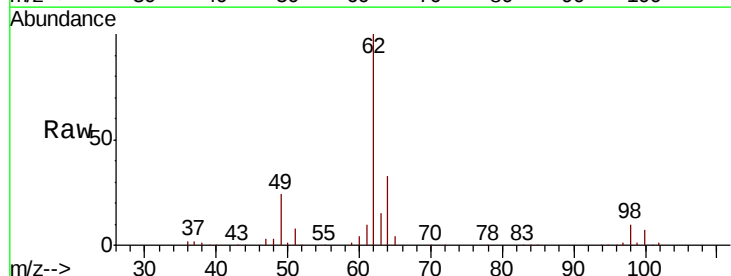
Instrument :
MSVOA_W
ClientSampleId :

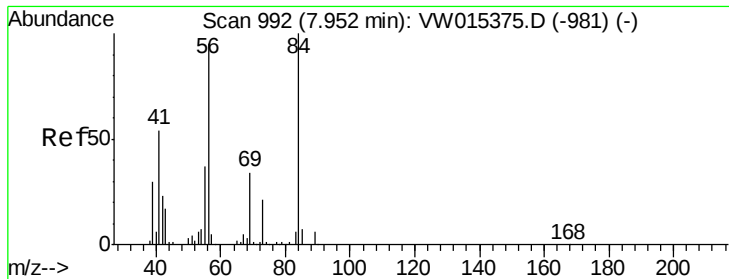
Tot Ion: 83 Resp: 165058
Ion Ratio Lower Upper
83 100
85 65.3 46.1 85.5



#27
1,2-Dichloroethane
Concen: 24.120 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

Tgt Ion: 62 Resp: 110343
Ion Ratio Lower Upper
62 100
98 10.0 7.9 11.9

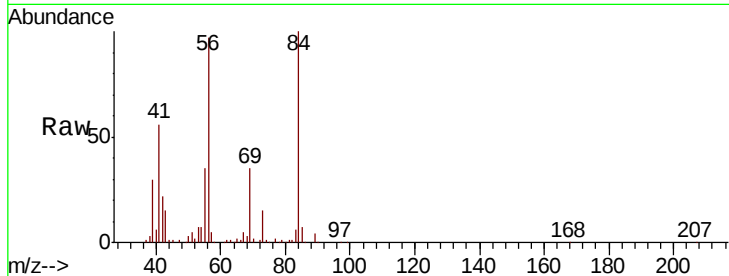




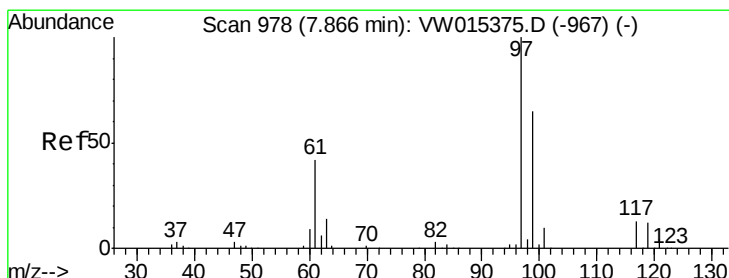
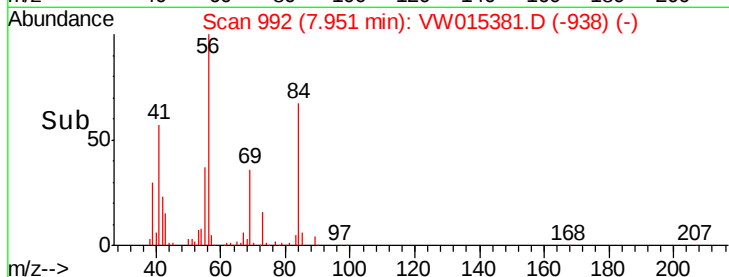
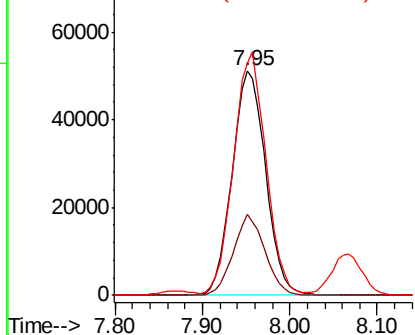
#30
Cyclohexane
Concen: 23.853 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 136168
Ion Ratio Lower Upper
56 100
69 34.0 27.4 41.2
84 105.6 83.2 124.8

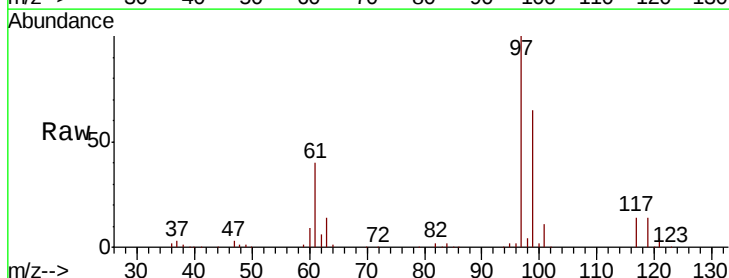


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

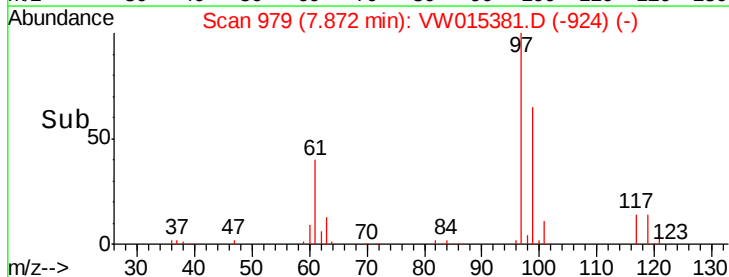
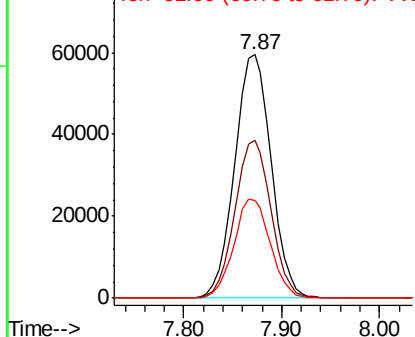


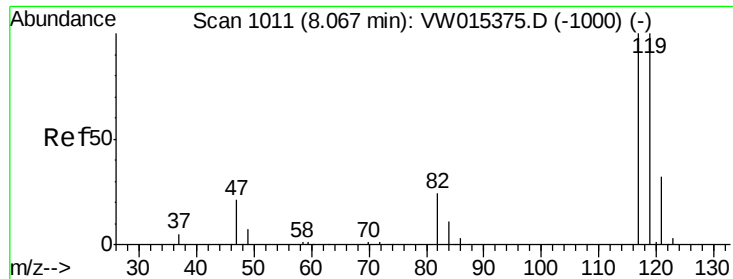
#31
1,1,1-Trichloroethane
Concen: 23.995 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

Tgt Ion: 97 Resp: 153928
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 40.8 32.8 49.2



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: 24.261 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

Instrument :

MSVOA_W

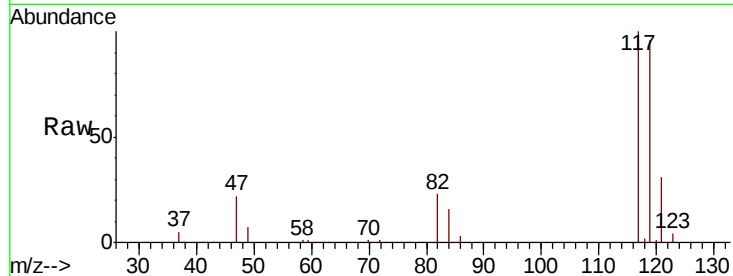
ClientSampleId :

Tot Ion:117 Resp: 150487

Ion Ratio Lower Upper

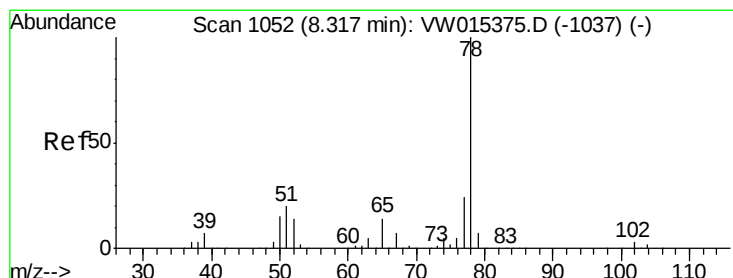
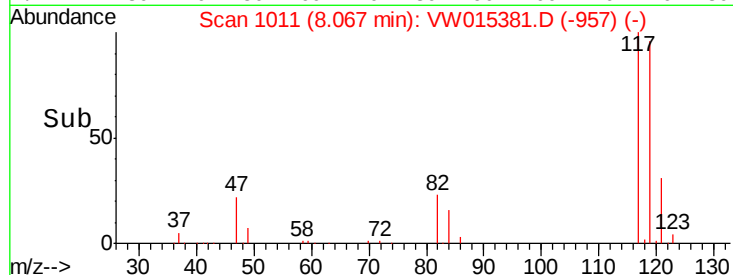
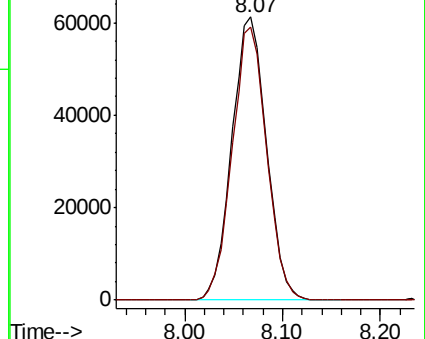
117 100

119 95.8 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.241 ug/L

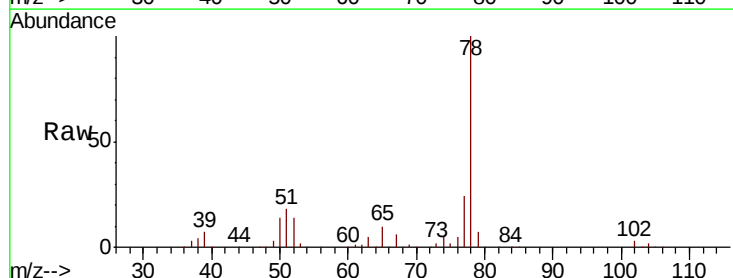
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

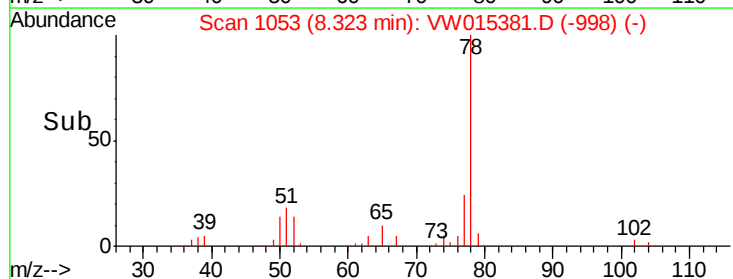
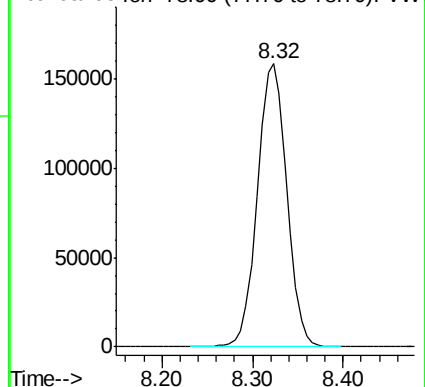
Lab File: VW015381.D

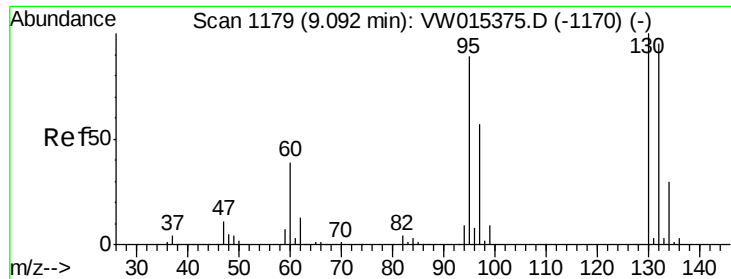
Acq: 29 Apr 2020 15:36

Tgt Ion: 78 Resp: 355191



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.497 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 103312

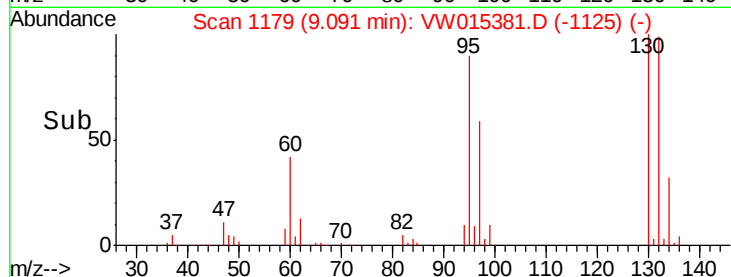
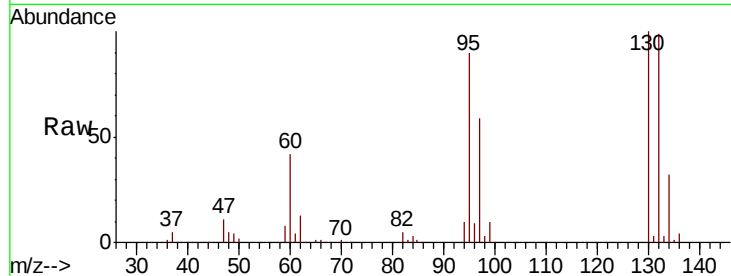
Ion Ratio Lower Upper

95 100

97 65.0 45.9 85.3

132 107.3 75.2 139.6

130 109.9 76.7 142.5

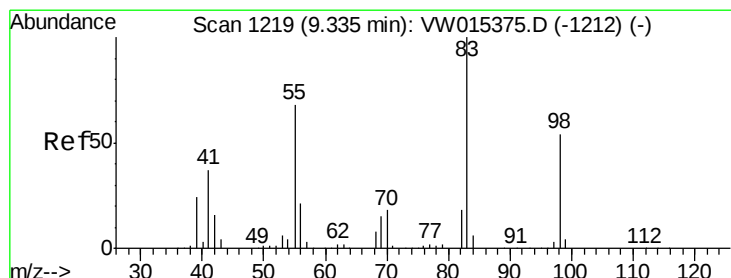
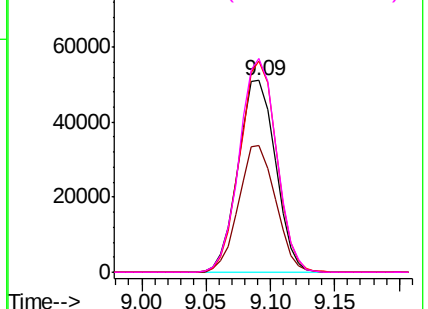


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.956 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

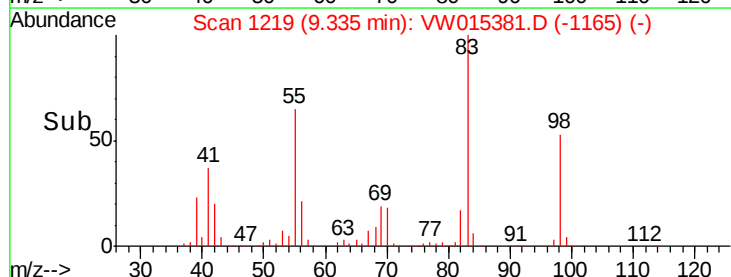
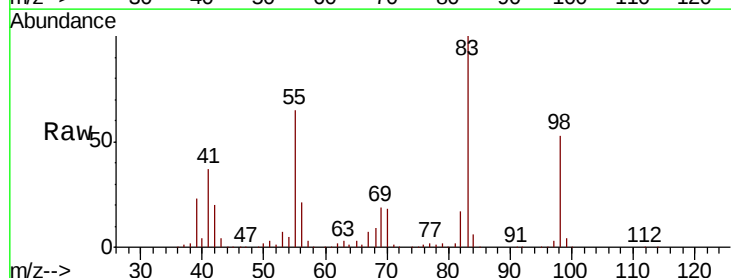
Tgt Ion: 83 Resp: 177561

Ion Ratio Lower Upper

83 100

55 65.9 53.7 80.5

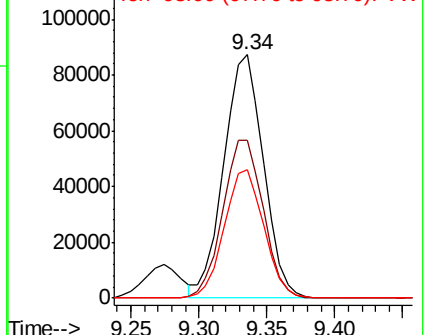
98 52.6 42.3 63.5

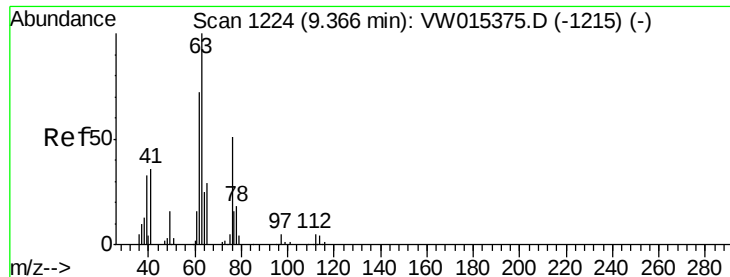


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

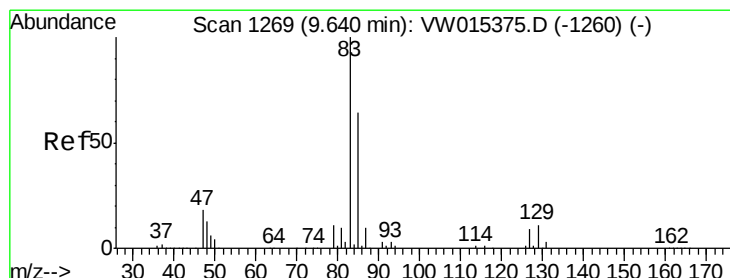
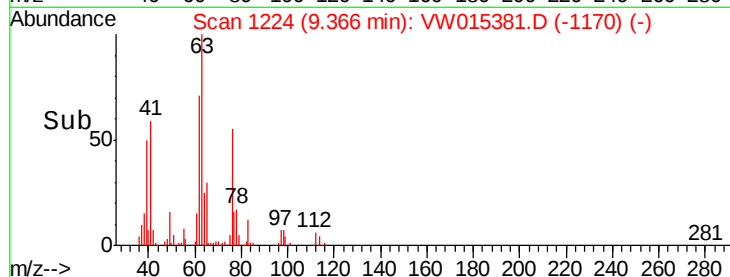
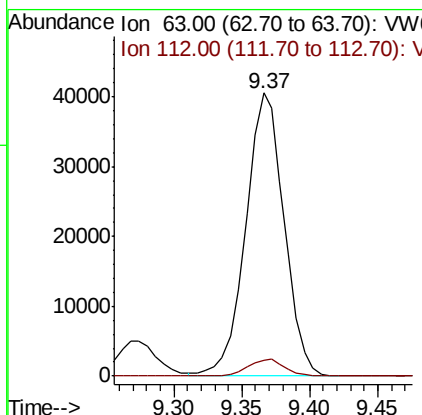
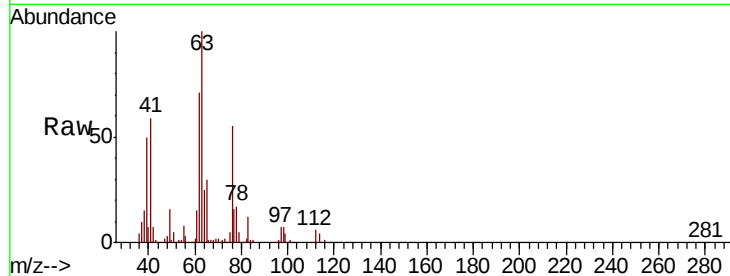




#40
 1,2-Dichloropropane
 Concen: 22.982 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

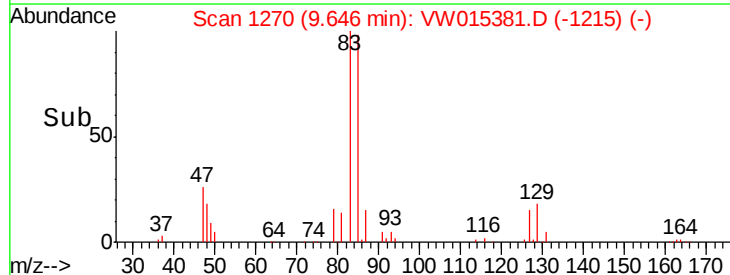
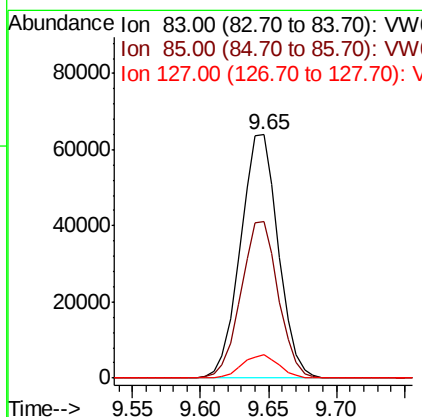
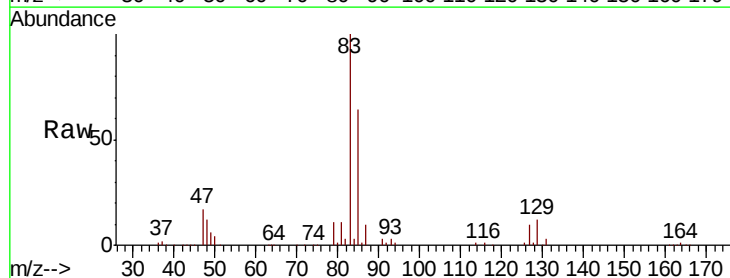
Instrument :
 MSVOA_W
 ClientSampleId :

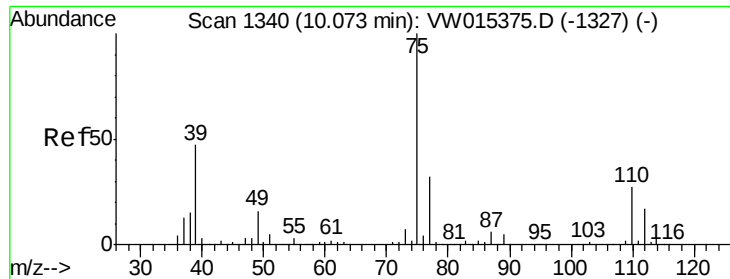
Tot Ion: 63 Resp: 79707
 Ion Ratio Lower Upper
 63 100
 112 5.8 4.6 6.8



#41
 Bromodichloromethane
 Concen: 23.398 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

Tgt Ion: 83 Resp: 124214
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.7 83.1
 127 9.6 7.0 10.6

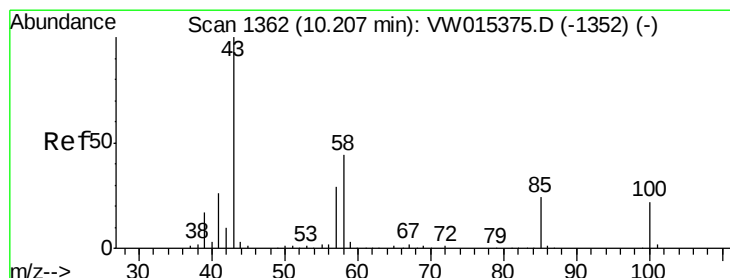
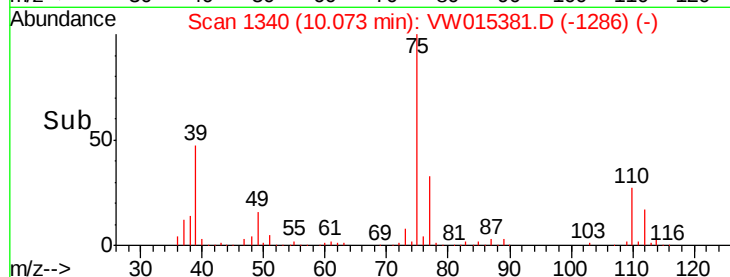
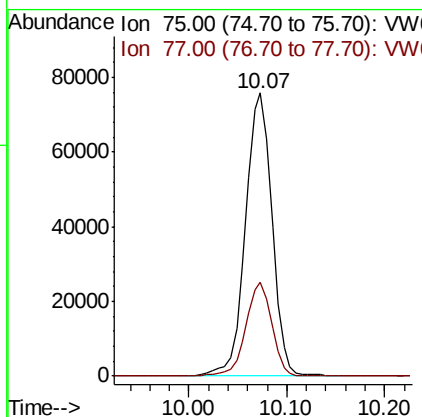
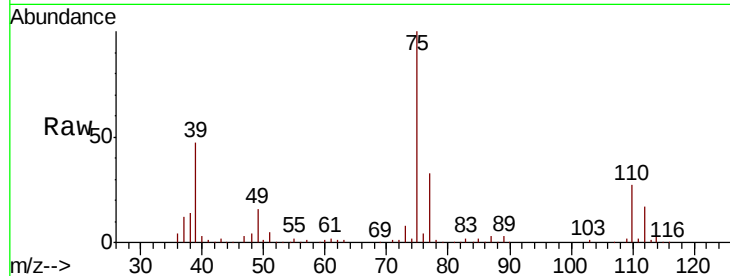




#42
 cis-1,3-Dichloropropene
 Concen: 23.569 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

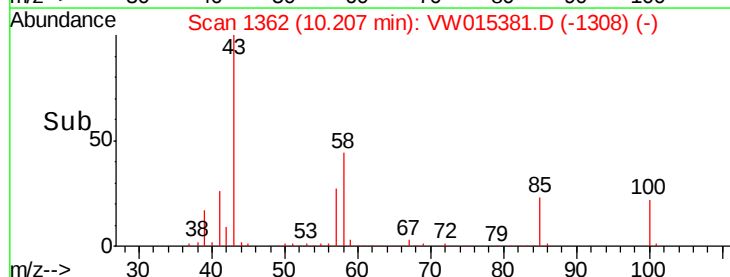
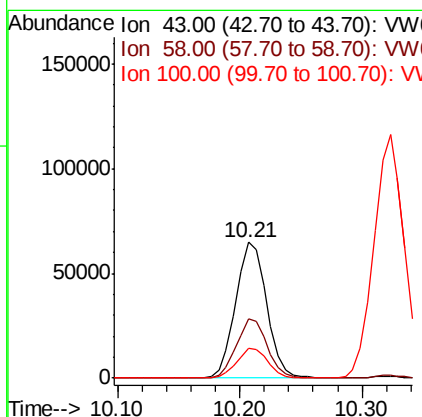
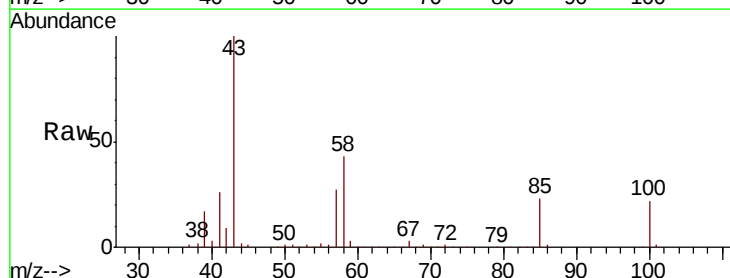
Instrument :
 MSVOA_W
 ClientSampleId :

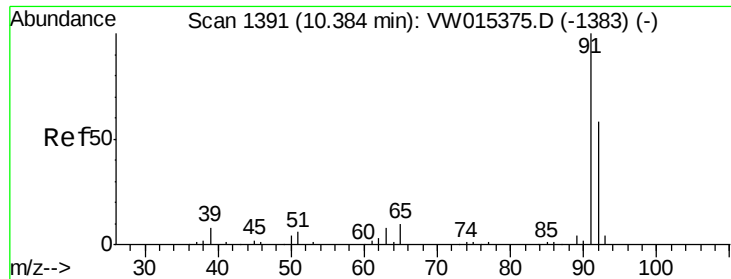
Tot Ion: 75 Resp: 143121
 Ion Ratio Lower Upper
 75 100
 77 33.4 22.7 42.3



#43
 4-Methyl-2-pentanone
 Concen: 48.647 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

Tgt Ion: 43 Resp: 113774
 Ion Ratio Lower Upper
 43 100
 58 43.4 34.2 51.4
 100 21.7 17.2 25.8





#44

Toluene

Concen: 23.215 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

Instrument :

MSVOA_W

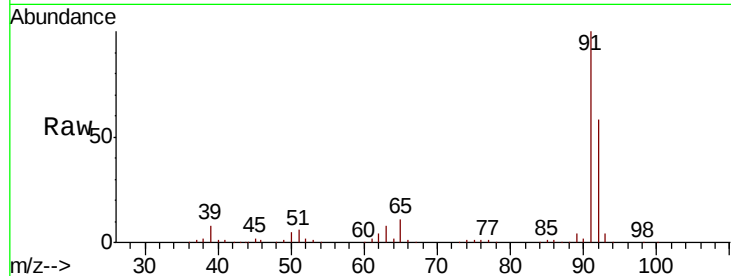
ClientSampleId :

Tot Ion: 91 Resp: 411751

Ion Ratio Lower Upper

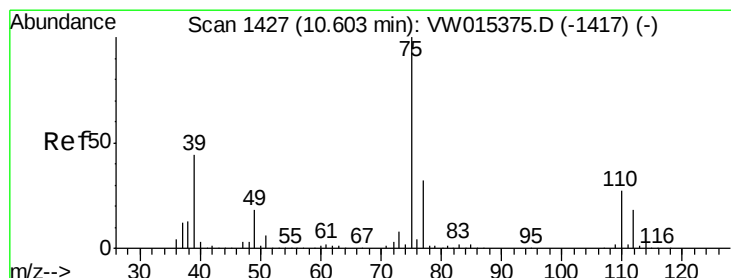
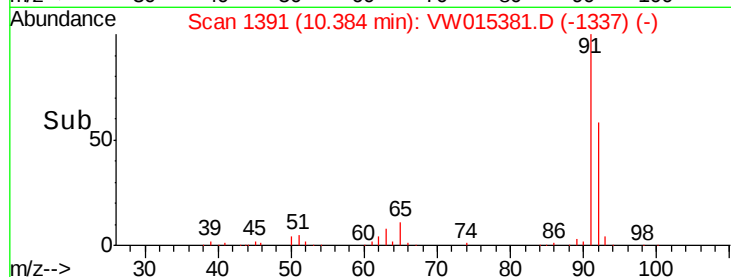
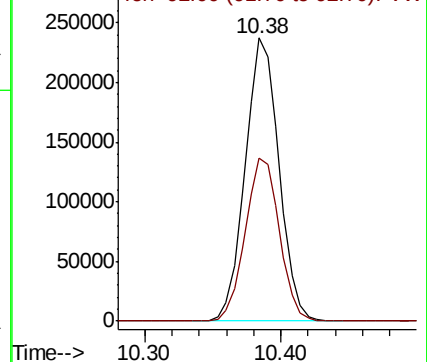
91 100

92 57.7 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 24.093 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015381.D

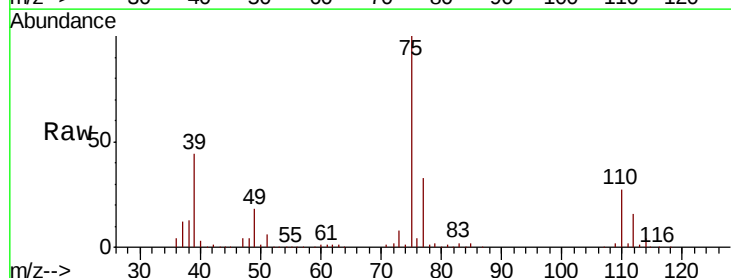
Acq: 29 Apr 2020 15:36

Tgt Ion: 75 Resp: 130038

Ion Ratio Lower Upper

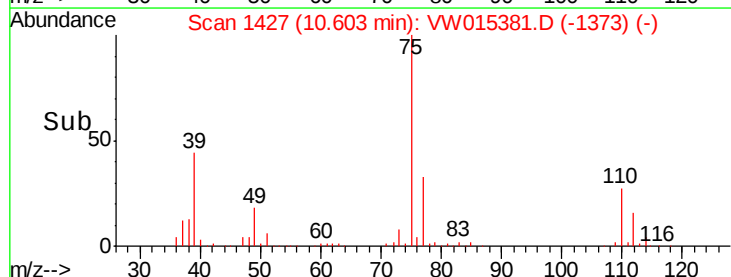
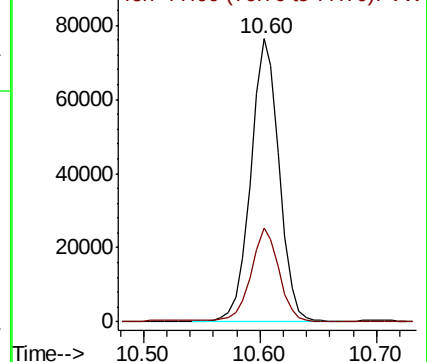
75 100

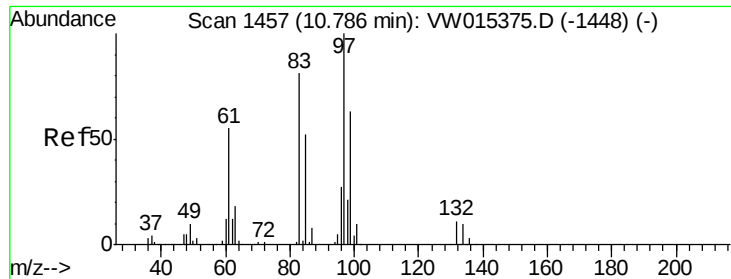
77 33.2 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

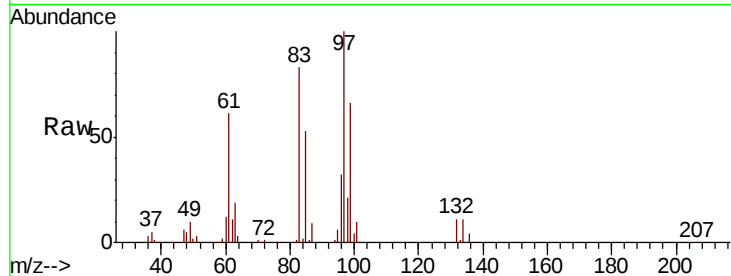




#46
1,1,2-Trichloroethane
Concen: 24.857 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 97 Resp: 73989
Ion Ratio Lower Upper
97 100
83 83.3 56.1 104.1
85 53.3 37.2 69.0
99 66.4 45.6 84.6



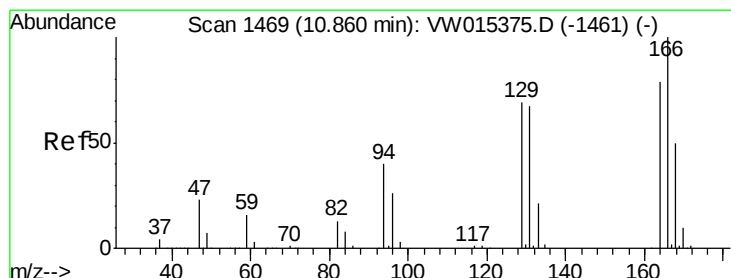
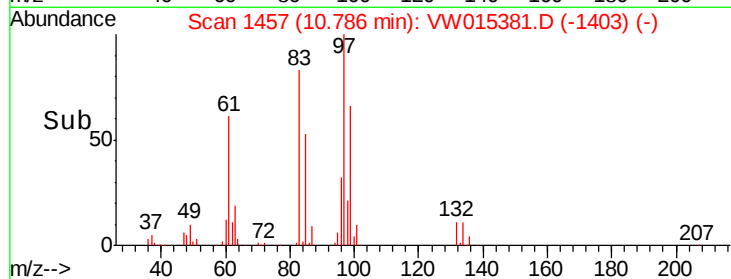
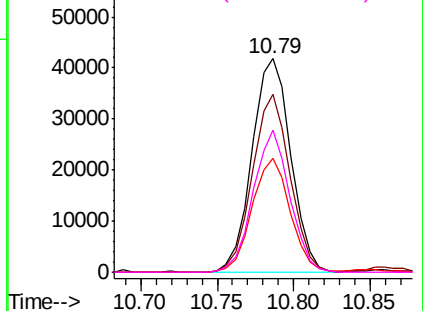
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

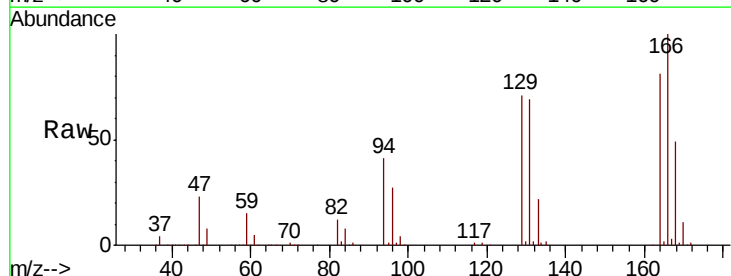
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 23.547 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

Tgt Ion: 164 Resp: 98770
Ion Ratio Lower Upper
164 100
129 87.4 60.0 111.4
131 85.0 58.0 107.8
166 123.5 86.5 160.6



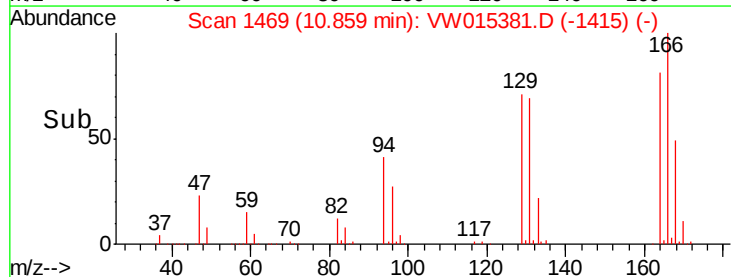
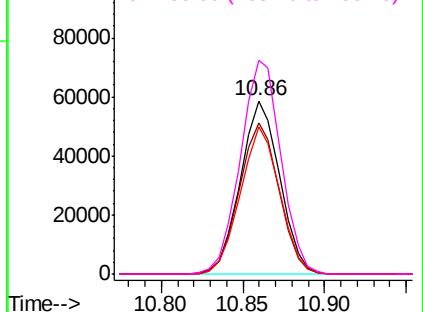
Abundance

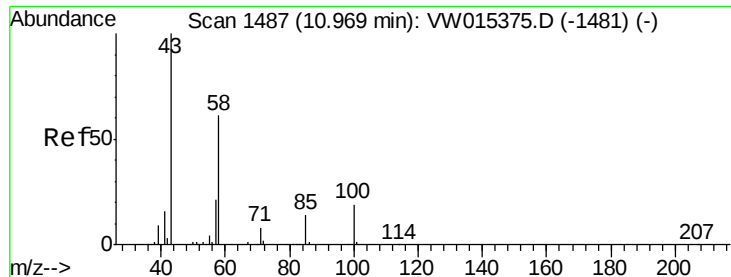
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

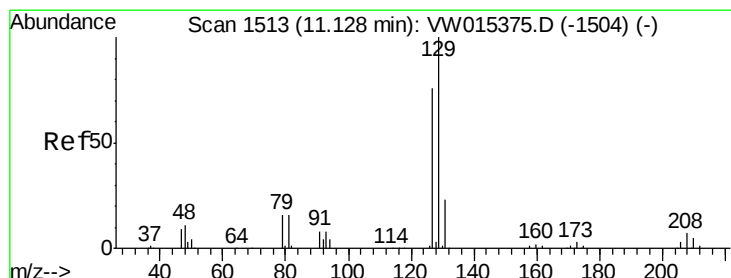
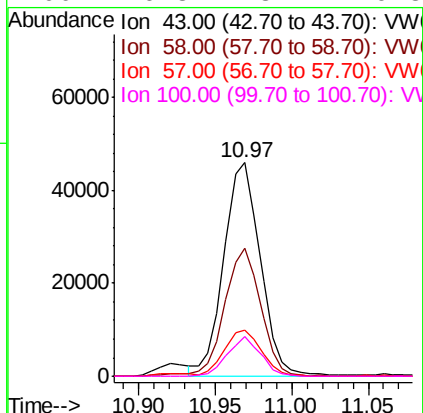
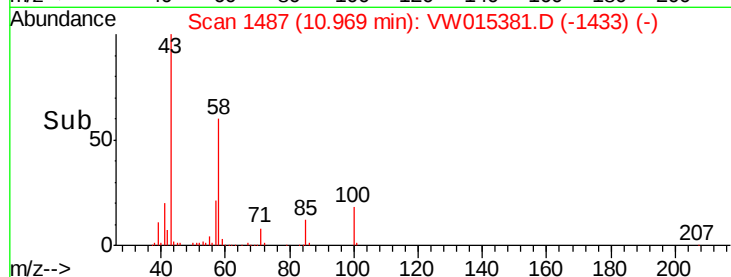
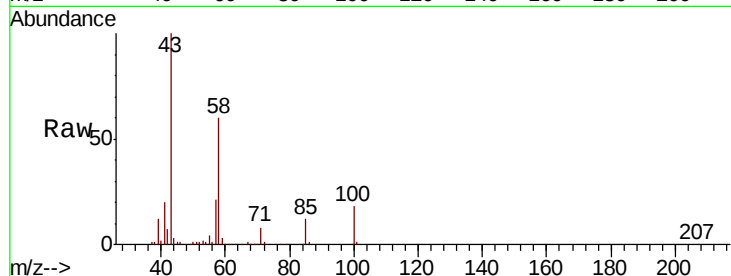




#49
2-Hexanone
Concen: 59.816 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

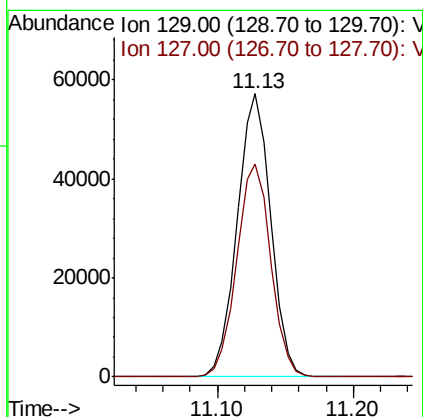
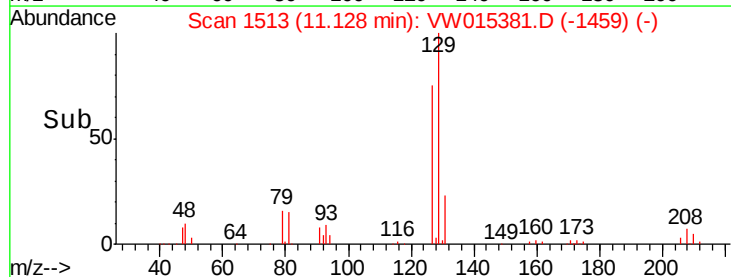
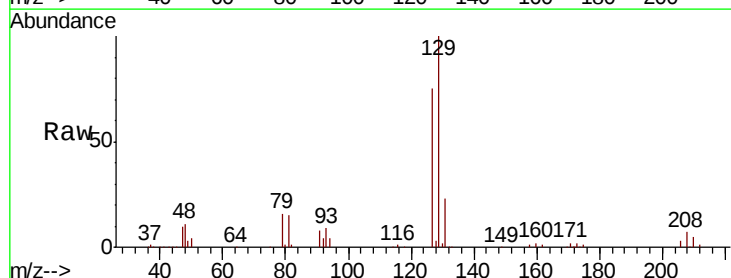
Instrument :
MSVOA_W
ClientSampleId :

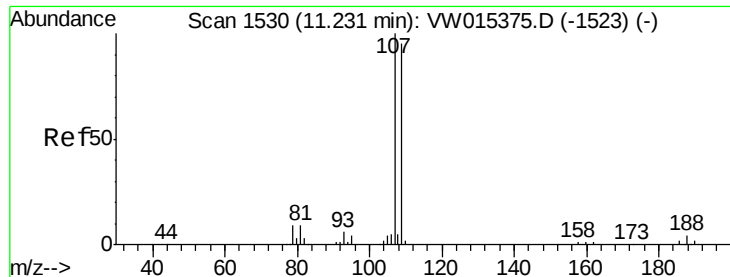
Tot Ion: 43 Resp: 76593
Ion Ratio Lower Upper
43 100
58 57.6 47.1 70.7
57 21.7 16.9 25.3
100 16.8 13.2 19.8



#50
Dibromochloromethane
Concen: 24.434 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

Tgt Ion: 129 Resp: 98362
Ion Ratio Lower Upper
129 100
127 75.4 53.9 100.1

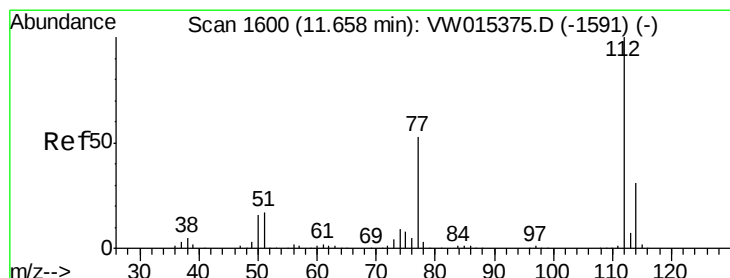
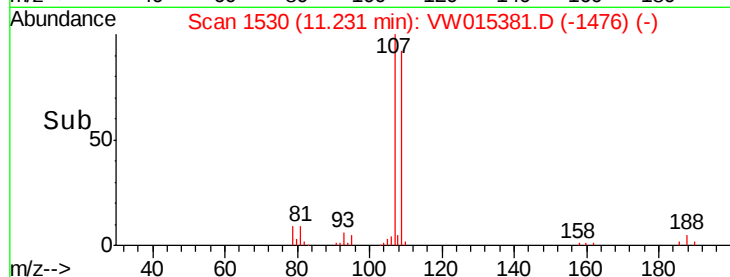
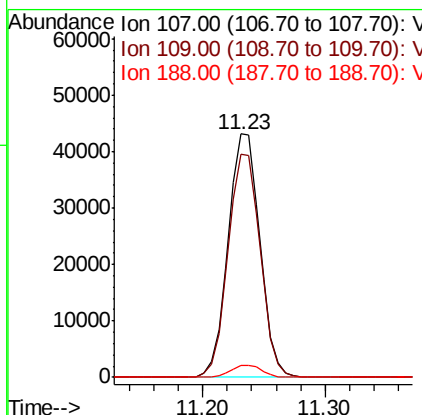
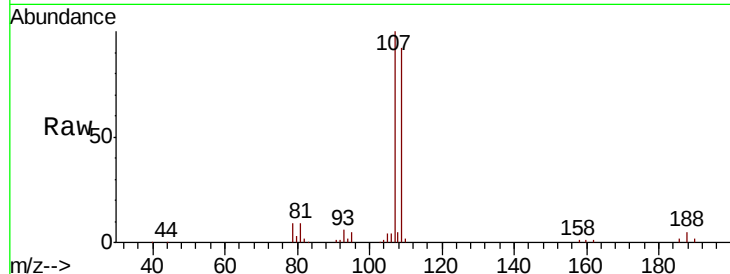




#51
 1,2-Dibromoethane
 Concen: 26.029 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

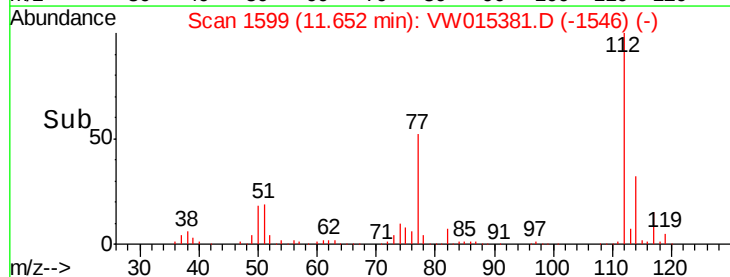
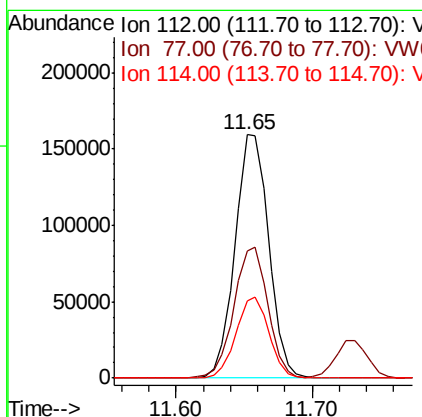
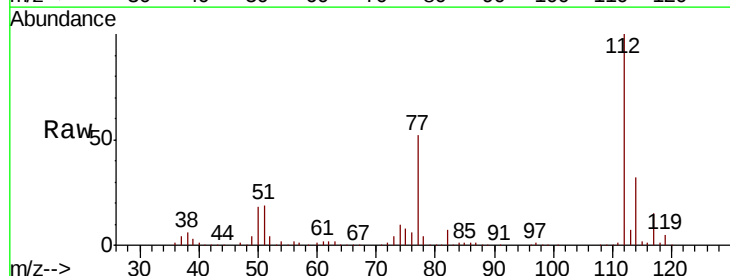
Instrument :
 MSVOA_W
 ClientSampled :

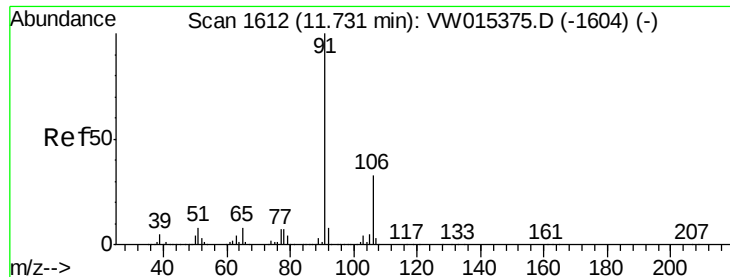
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	65.9	122.5
188	5.1	3.6	5.4



#52
 Chlorobenzene
 Concen: 23.038 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

Tgt Ion	Ratio	Lower	Upper
112	100		
77	52.3	43.8	65.6
114	31.6	23.5	43.7

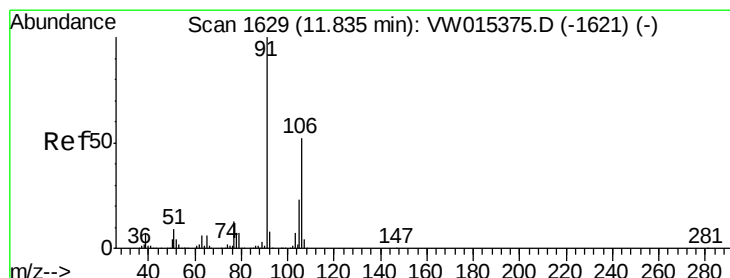
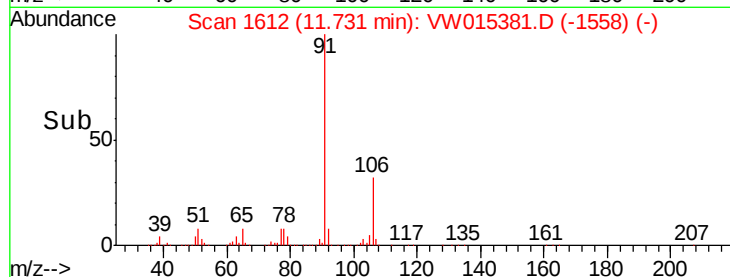
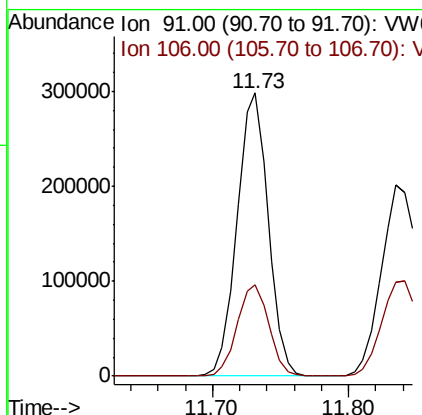
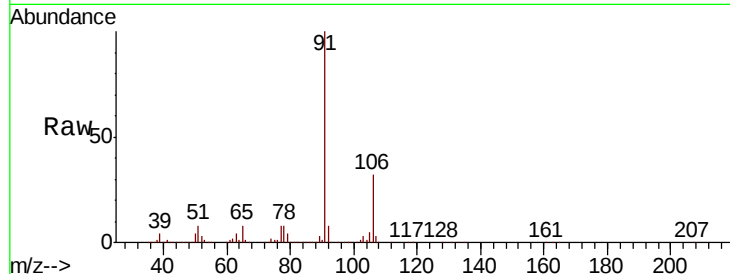




#53
Ethylbenzene
Concen: 23.210 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

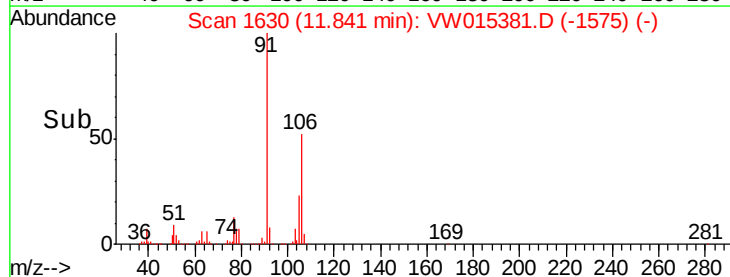
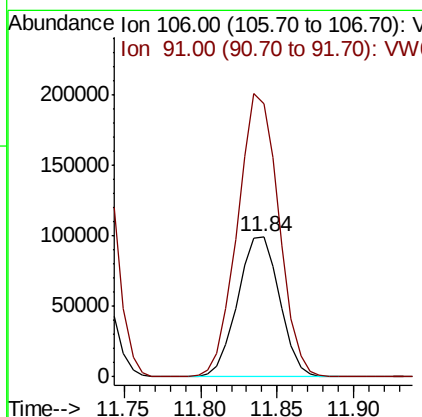
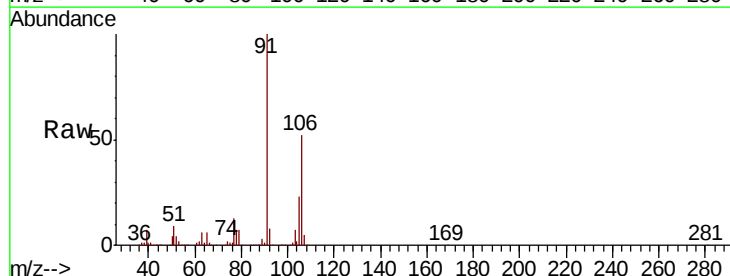
Instrument :
MSVOA_W
ClientSampleId :

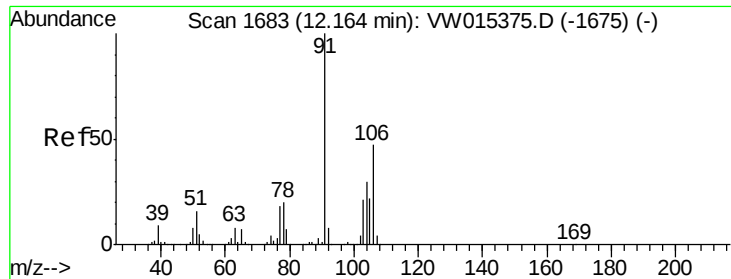
Tot Ion: 91 Resp: 476113
Ion Ratio Lower Upper
91 100
106 32.1 23.0 42.8



#54
m,p-Xylene
Concen: 23.329 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015381.D
Acq: 29 Apr 2020 15:36

Tgt Ion:106 Resp: 189441
Ion Ratio Lower Upper
106 100
91 193.9 140.8 261.4





#55

o-xylene

Concen: 23.305 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

Instrument :

MSVOA_W

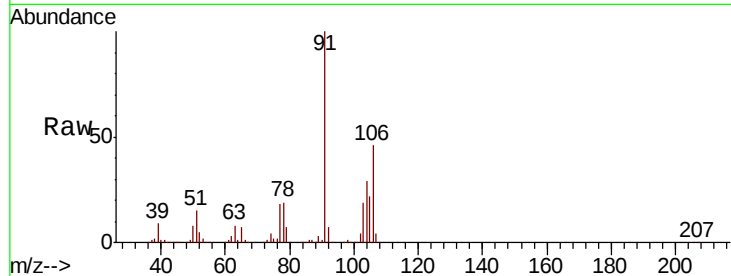
ClientSampled :

Tot Ion:106 Resp: 181560

Ion Ratio Lower Upper

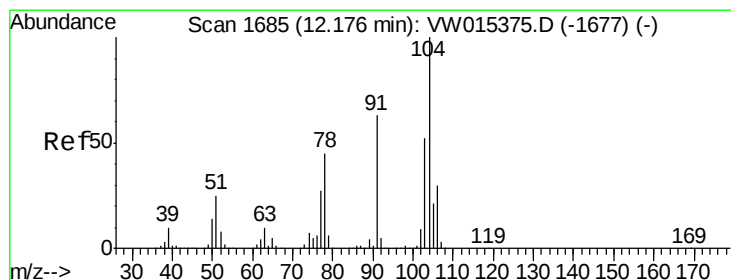
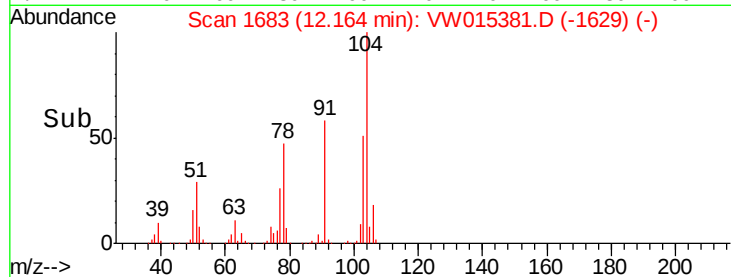
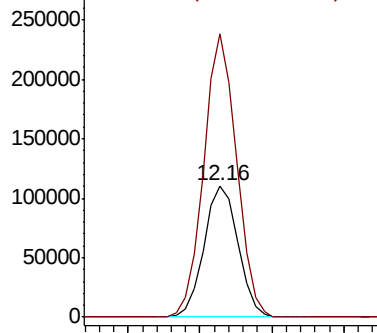
106 100

91 215.2 147.5 273.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 23.726 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW015381.D

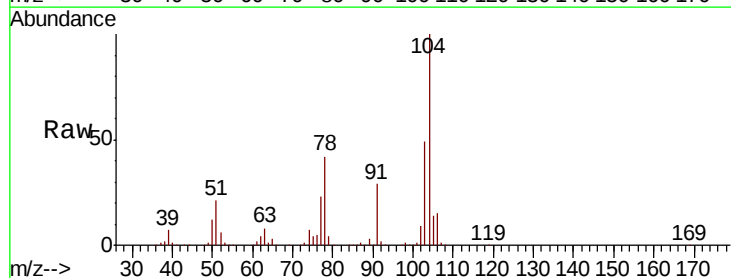
Acq: 29 Apr 2020 15:36

Tgt Ion:104 Resp: 310325

Ion Ratio Lower Upper

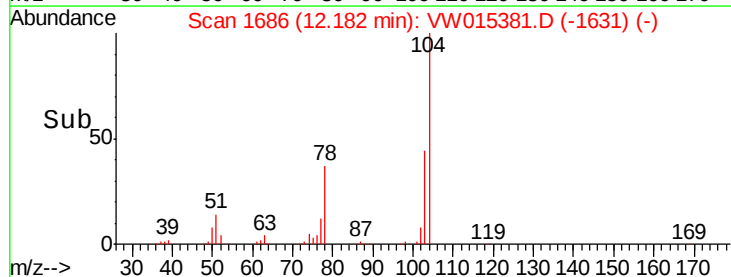
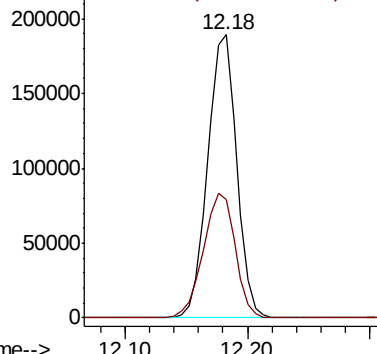
104 100

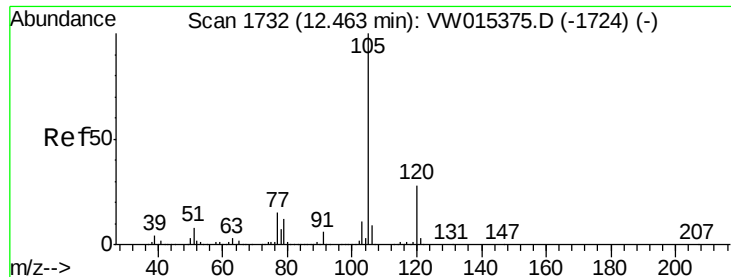
78 41.6 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.266 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

Instrument :

MSVOA_W

ClientSampled :

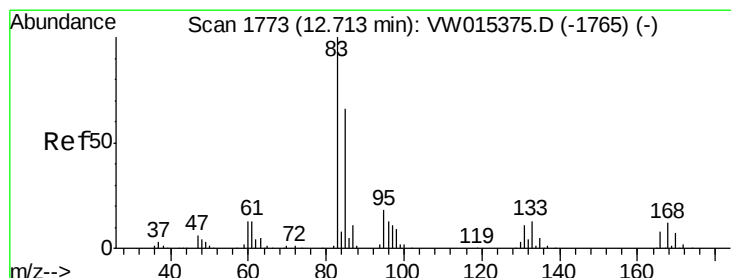
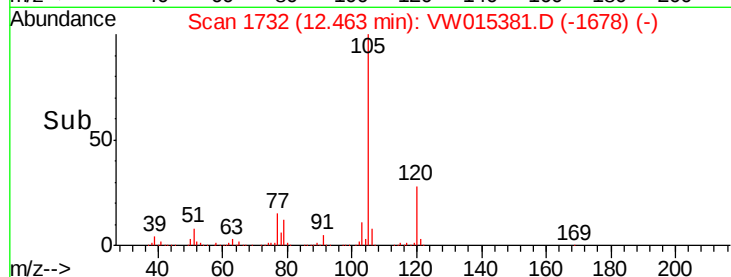
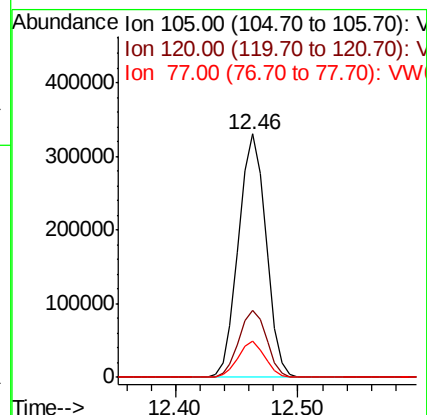
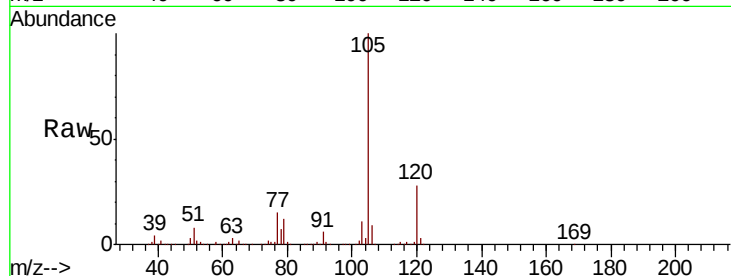
Tot Ion:105 Resp: 514740

Ion Ratio Lower Upper

105 100

120 27.7 22.4 33.6

77 14.5 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 27.805 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

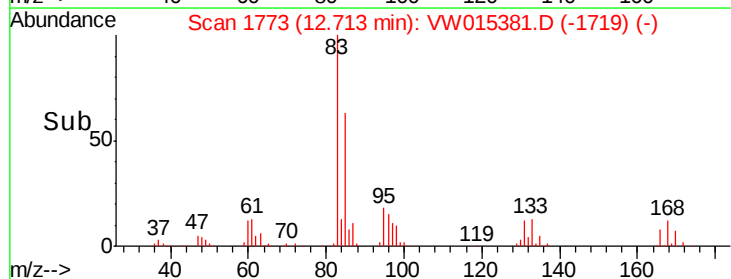
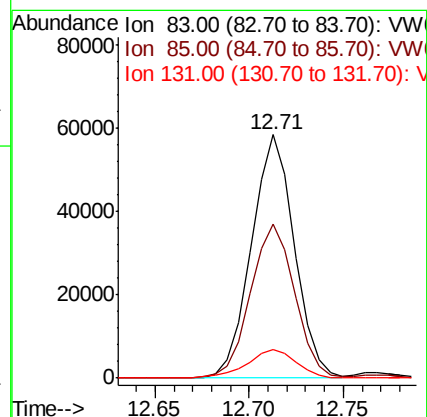
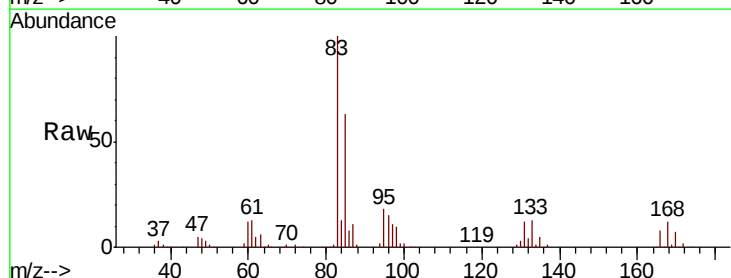
Tgt Ion: 83 Resp: 92059

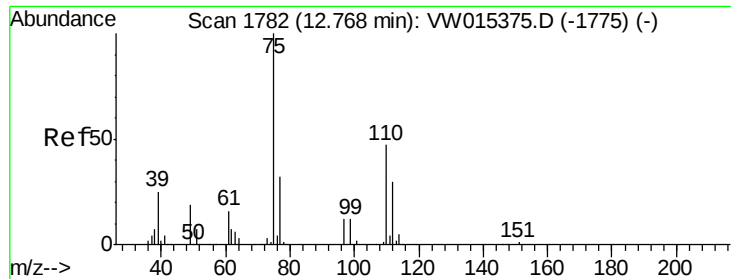
Ion Ratio Lower Upper

83 100

85 63.1 43.8 81.3

131 11.8 9.1 13.7





#59

1,2,3-Trichloropropane

Concen: 28.250 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

Instrument :

MSVOA_W

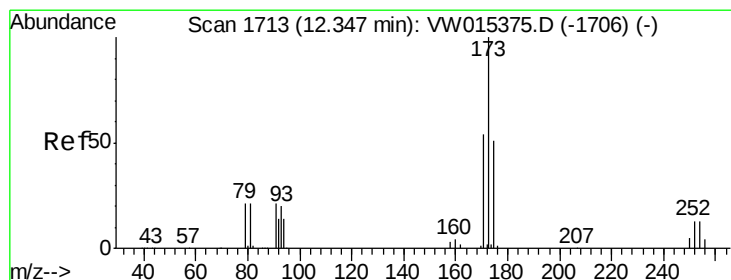
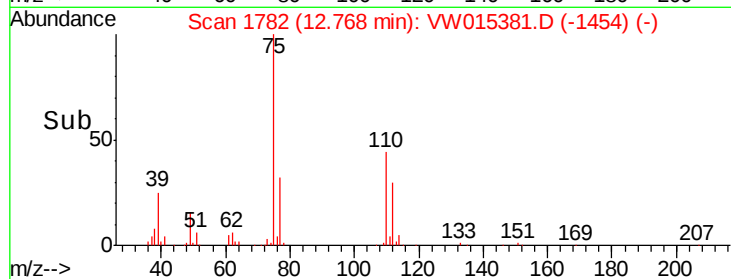
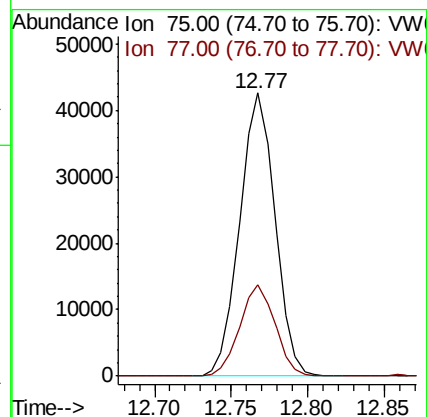
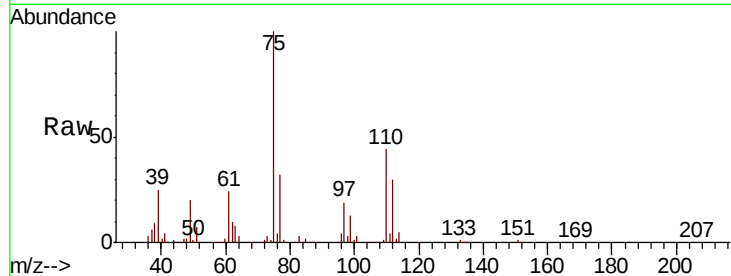
ClientSampleId :

Tot Ion: 75 Resp: 68211

Ion Ratio Lower Upper

75 100

77 32.6 26.4 39.6



#62

Bromoform

Concen: 26.185 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

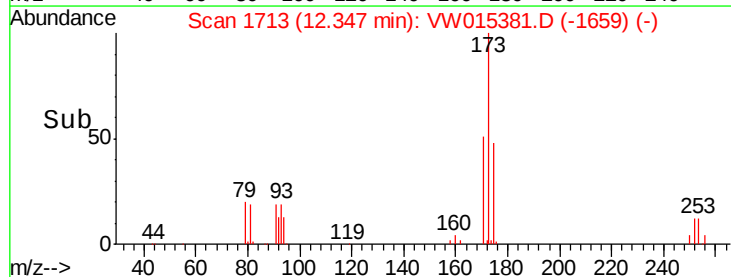
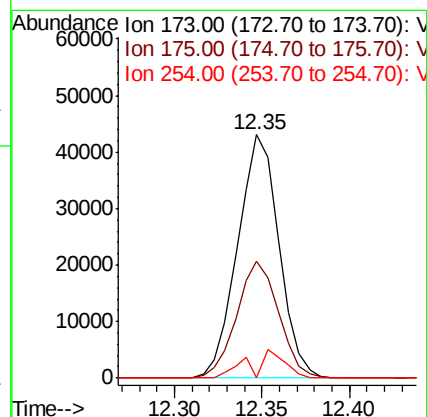
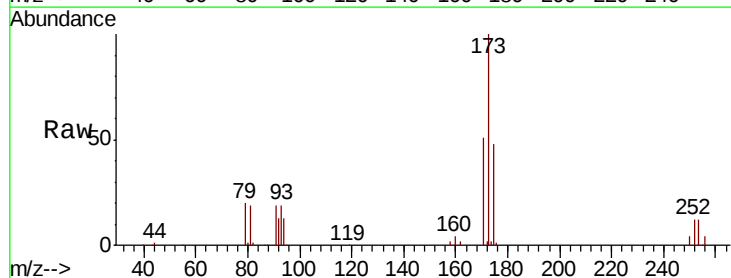
Tgt Ion: 173 Resp: 70983

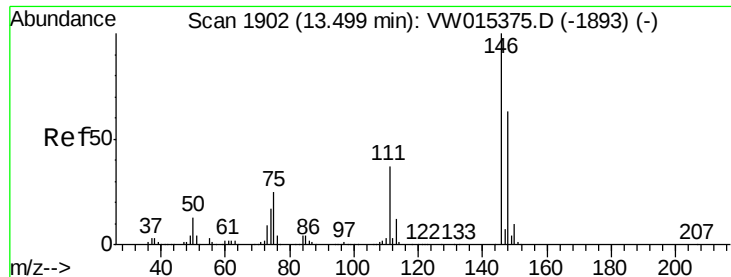
Ion Ratio Lower Upper

173 100

175 48.6 40.4 60.6

254 3.6 9.8 14.8#

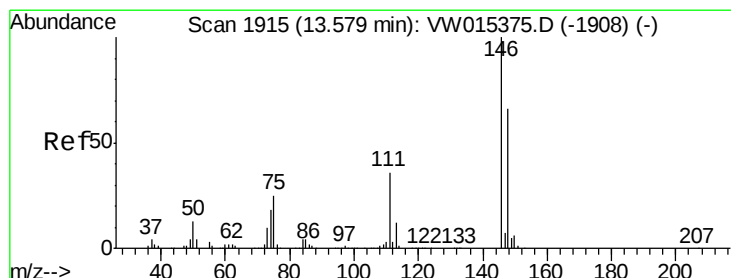
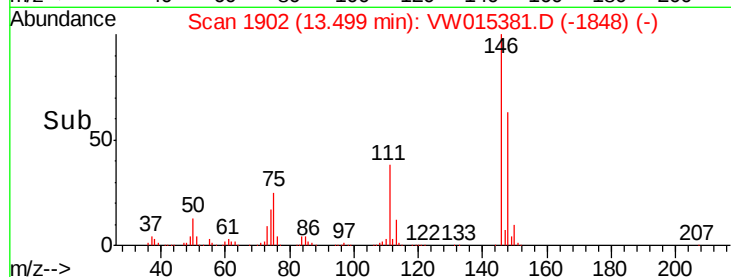
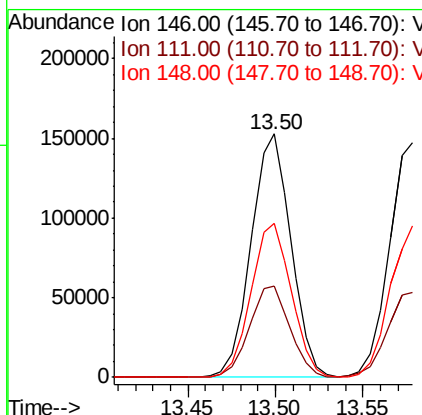
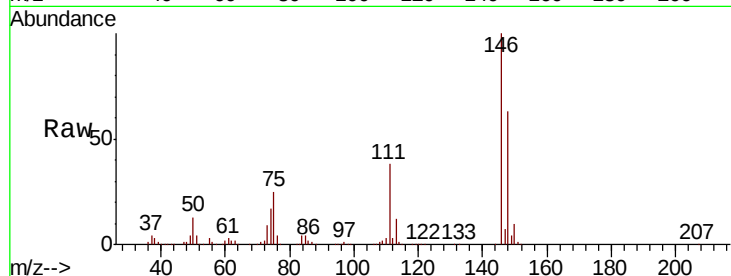




#63
 1,3-Dichlorobenzene
 Concen: 23.055 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

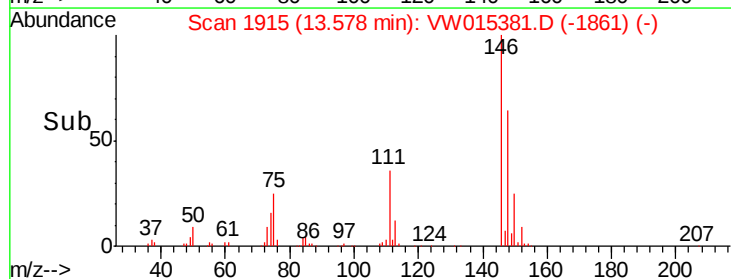
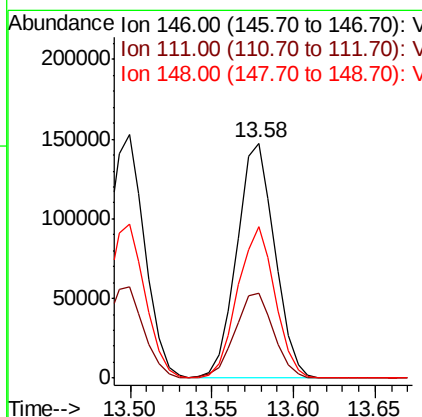
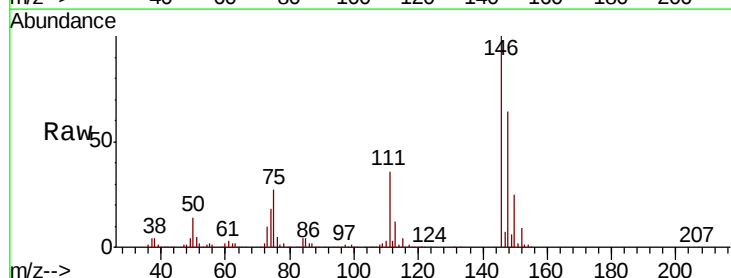
Instrument :
 MSVOA_W
 ClientSampleId :

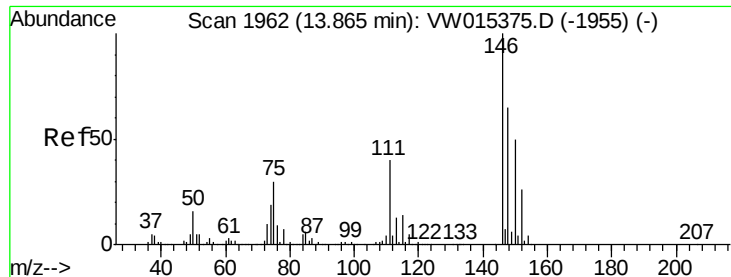
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.6	49.4
148	63.4	47.5	88.3



#64
 1,4-Dichlorobenzene
 Concen: 22.935 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	25.5	47.3
148	64.5	44.2	82.2

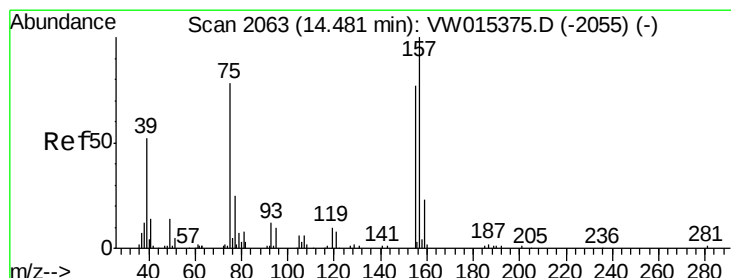
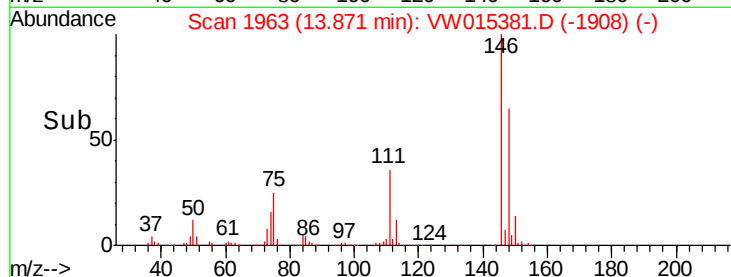
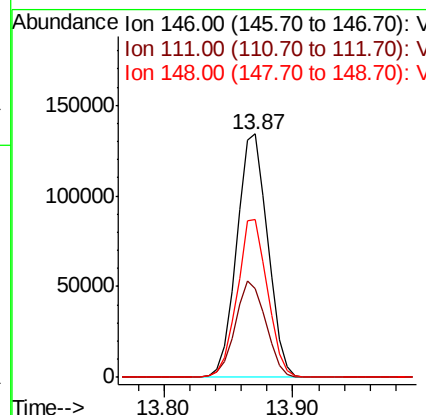
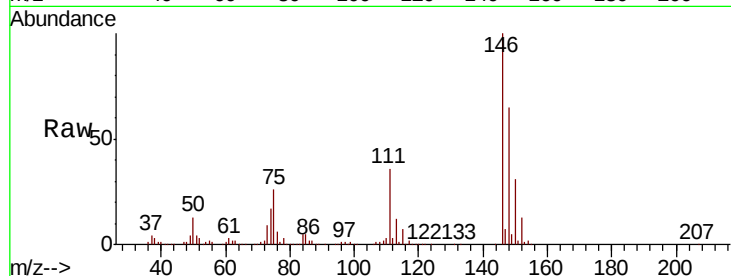




#65
 1,2-Dichlorobenzene
 Concen: 23.794 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

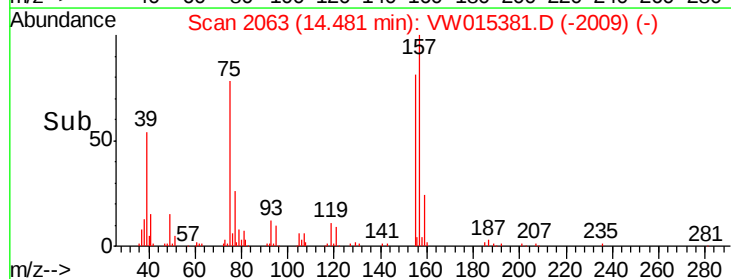
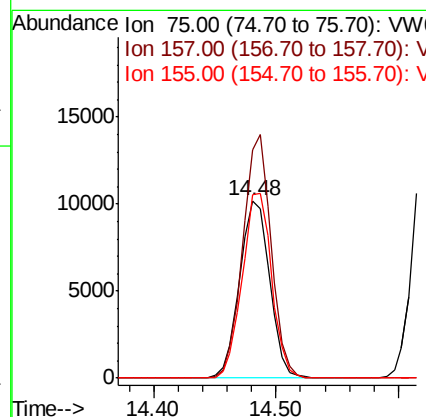
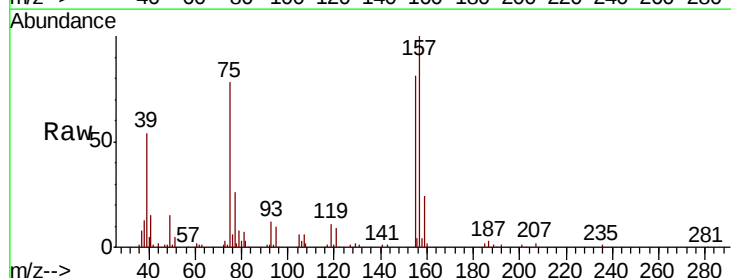
Instrument :
 MSVOA_W
 ClientSampleId :

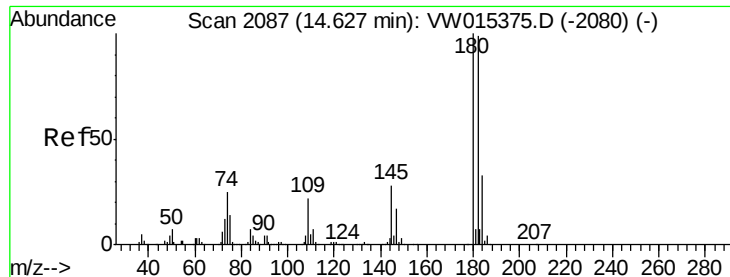
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	31.4	47.0
148	64.9	48.9	73.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.033 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
157	128.8	94.6	141.8
155	103.8	75.0	112.6

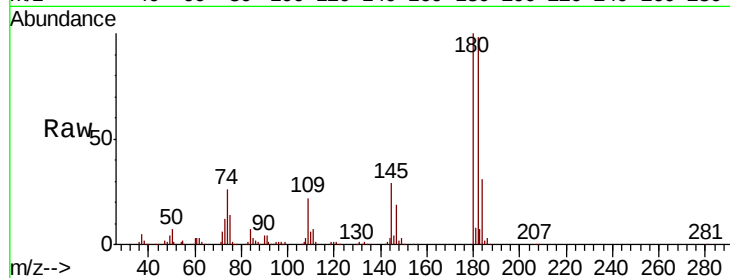




#67
 1,3,5-Trichlorobenzene
 Concen: 23.169 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	78.3	117.5
184	31.2	25.0	37.4
145	28.3	22.9	34.3



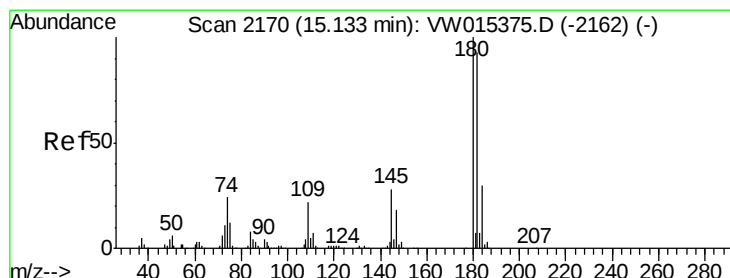
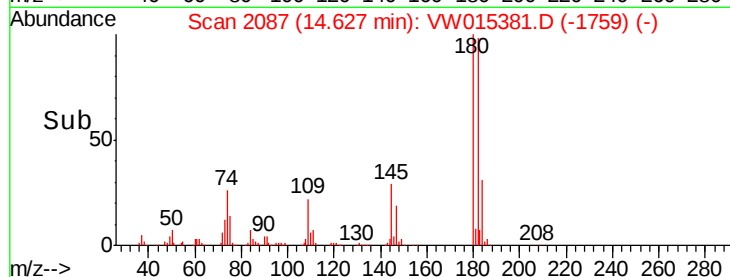
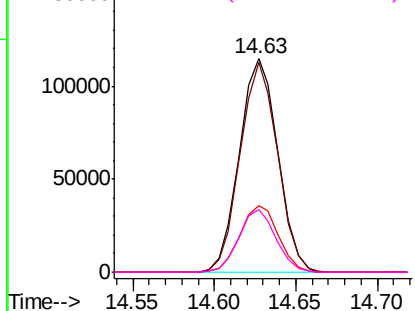
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

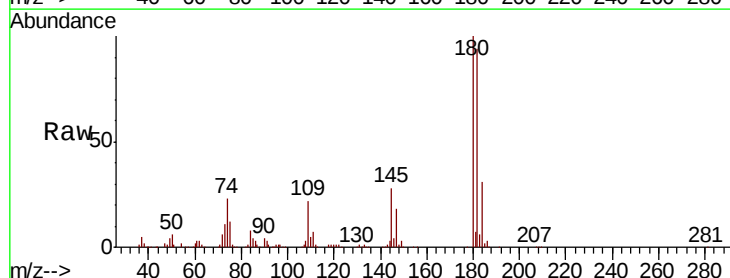
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.888 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015381.D
 Acq: 29 Apr 2020 15:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.9	116.9
145	28.0	22.8	34.2

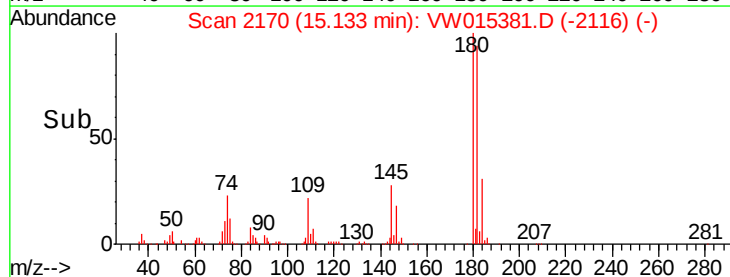
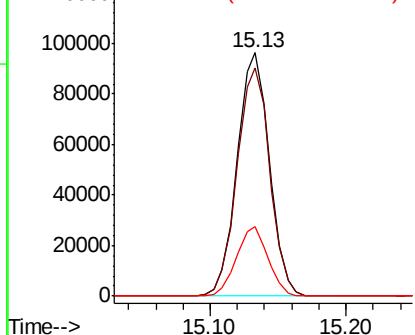


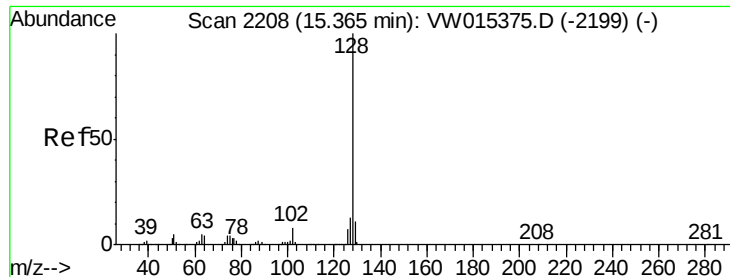
Abundance

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





#69

Naphthalene

Concen: 26.616 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

Instrument :

MSVOA_W

ClientSampleId :

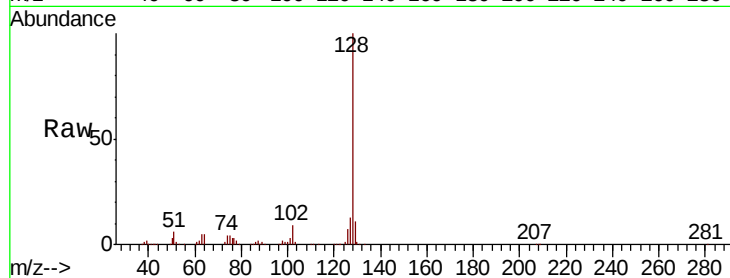
Tot Ion:128 Resp: 296347

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

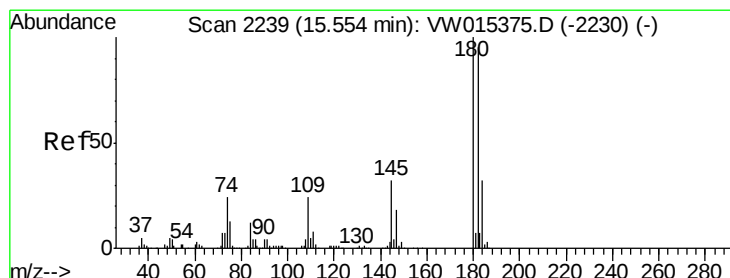
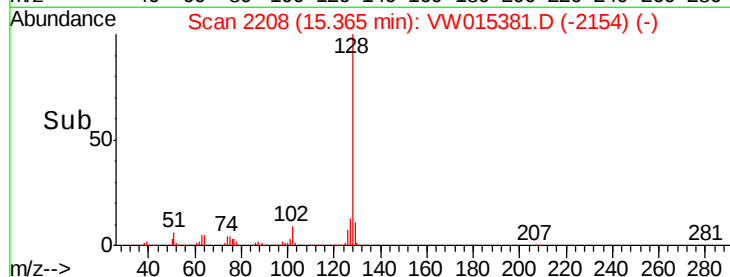
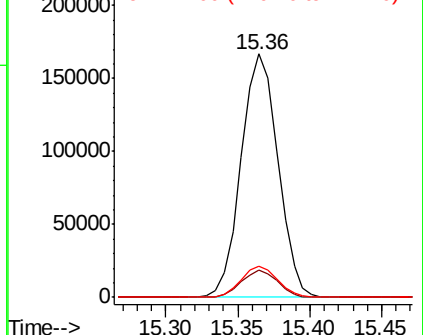
127 12.7 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.373 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015381.D

Acq: 29 Apr 2020 15:36

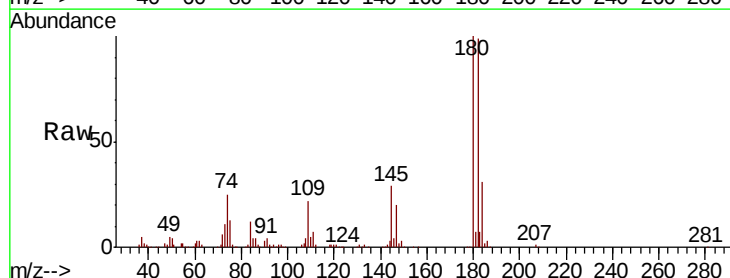
Tgt Ion:180 Resp: 140164

Ion Ratio Lower Upper

180 100

182 97.2 75.8 113.6

145 29.4 24.4 36.6



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

