

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082020\
 Data File : VW016260.D
 Acq On : 20 Aug 2020 10:30
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 21 03:24:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 20 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	380773	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	347915	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	164891	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	88490	18.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.96%
7) Chloroethane-d5	2.89	69	73983	20.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.60%
10) 1,1-Dichloroethene-d2	4.01	63	227711	22.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.84%
20) 2-Butanone-d5	7.08	46	61101	49.19	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.38%
24) Chloroform-d	7.65	84	245679	24.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.16%
26) 1,2-Dichloroethane-d4	8.31	65	125578	23.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.56%
29) Benzene-d6	8.27	84	468173	24.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.96%
33) 1,2-Dichloropropane-d6	9.27	67	135871	24.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.64%
37) Toluene-d8	10.32	98	432347	24.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.64%
38) trans-1,3-Dichloropropene-	10.58	79	62150	24.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.40%
39) 2-Hexanone-d5	10.93	63	52640	54.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.66%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121520	26.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	155181	26.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	100529	26.135	ug/L	98
3) Chloromethane	2.21	50	83171	21.773	ug/L	98
5) Vinyl chloride	2.37	62	120068	23.683	ug/L	98
6) Bromomethane	2.78	94	75281	23.709	ug/L	99
8) Chloroethane	2.93	64	70080	24.548	ug/L	98
9) Trichlorofluoromethane	3.26	101	110703	30.591	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	134161	26.233	ug/L	95
12) 1,1-Dichloroethene	4.03	96	130452	26.693	ug/L	89
13) Acetone	4.13	43	48825	51.956	ug/L	91
14) Carbon disulfide	4.37	76	398039	25.947	ug/L	99
15) Methyl Acetate	4.67	43	49602	22.449	ug/L	94
16) Methylene chloride	4.91	84	135768	22.581	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	183151	26.446	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	135191	26.298	ug/L	91
19) 1,1-Dichloroethane	6.21	63	223905	24.617	ug/L	97
21) 2-Butanone	7.17	43	68392	45.920	ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	140377	25.885	ug/L	95

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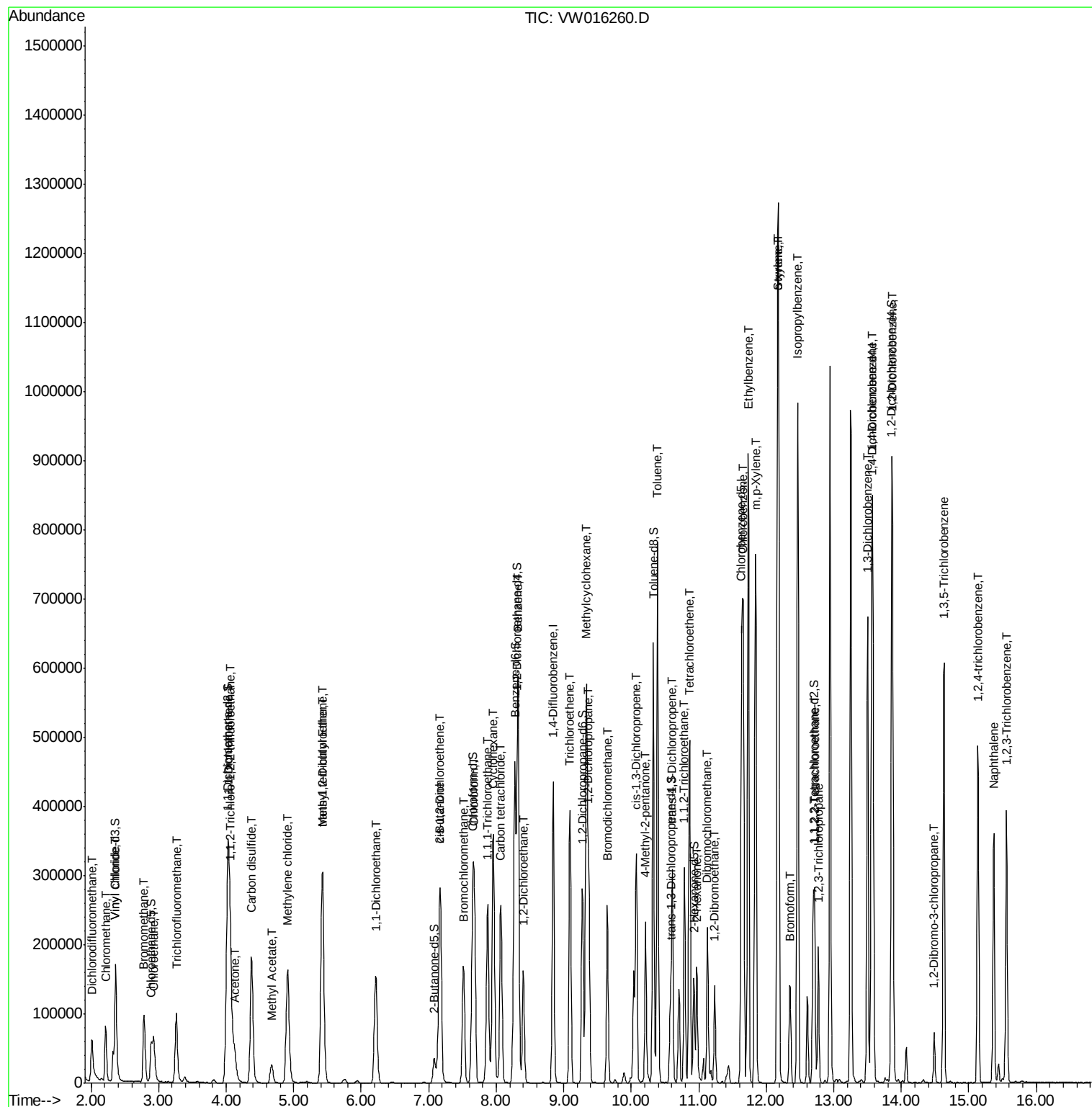
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65605	26.358	ug/L	90
25) Chloroform	7.68	83	239726	24.773	ug/L	100
27) 1,2-Dichloroethane	8.40	62	146781	22.771	ug/L	97
30) Cyclohexane	7.96	56	200612	26.501	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	214463	26.826	ug/L	98
32) Carbon tetrachloride	8.07	117	201567	26.658	ug/L	98
34) Benzene	8.32	78	531580	26.495	ug/L	100
35) Trichloroethene	9.09	95	141716	26.269	ug/L	96
36) Methylcyclohexane	9.34	83	240170	27.025	ug/L	97
40) 1,2-Dichloropropane	9.37	63	124785	25.327	ug/L	100
41) Bromodichloromethane	9.65	83	172442	25.478	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	201024	26.791	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	141021	47.587	ug/L	96
44) Toluene	10.39	91	580685	27.418	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	176846	26.237	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	101163	26.084	ug/L	97
47) Tetrachloroethene	10.87	164	116616	28.835	ug/L	94
49) 2-Hexanone	10.97	43	99437	49.728	ug/L	96
50) Dibromochloromethane	11.13	129	118663	25.978	ug/L	99
51) 1,2-Dibromoethane	11.24	107	95013	25.842	ug/L	98
52) Chlorobenzene	11.66	112	371559	26.515	ug/L	95
53) Ethylbenzene	11.73	91	639782	26.625	ug/L	98
54) m,p-Xylene	11.84	106	255647	28.283	ug/L	97
55) o-xylene	12.17	106	238216	27.979	ug/L	98
56) Styrene	12.18	104	406539	27.580	ug/L	98
57) Isopropylbenzene	12.46	105	649566	28.297	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	116113	25.660	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	84526	24.656	ug/L	100
62) Bromoform	12.35	173	66647	26.729	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	284612	27.328	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	284451	26.811	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	259145	27.139	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	19014	22.709	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.63	180	189481	28.834	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	152946	28.716	ug/L	99
69) Naphthalene	15.37	128	313356	27.873	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	137964	28.512	ug/L	96

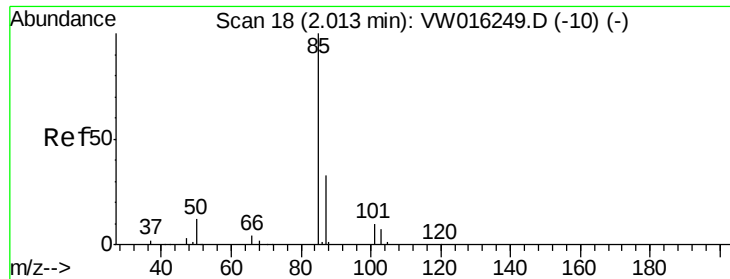
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.135 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

Instrument :

MSVOA_W

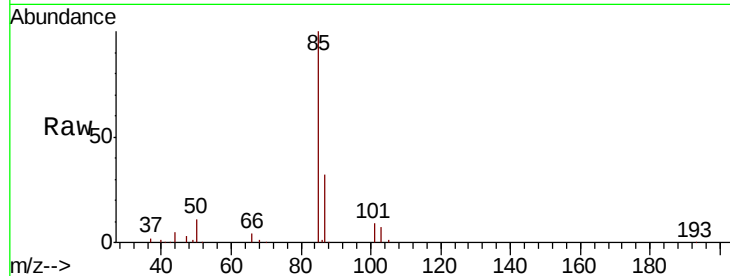
ClientSampleId :

Tot Ion: 85 Resp: 100529

Ion Ratio Lower Upper

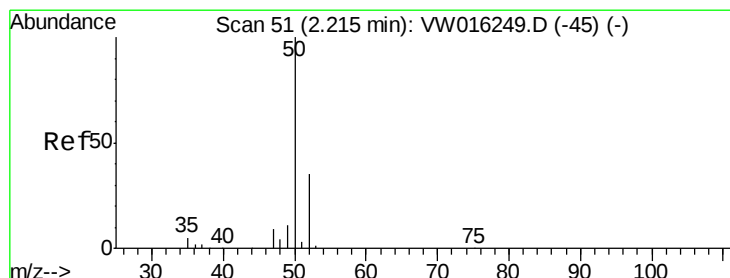
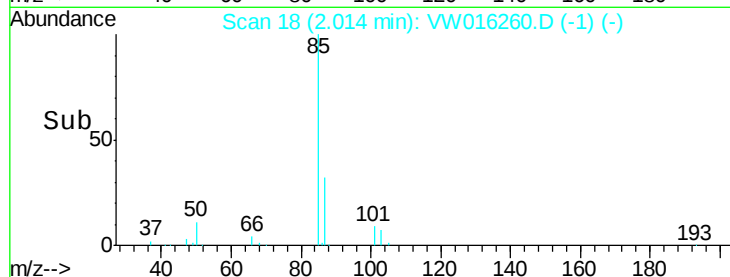
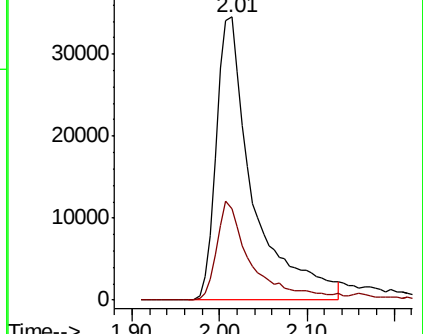
85 100

87 32.6 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.773 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016260.D

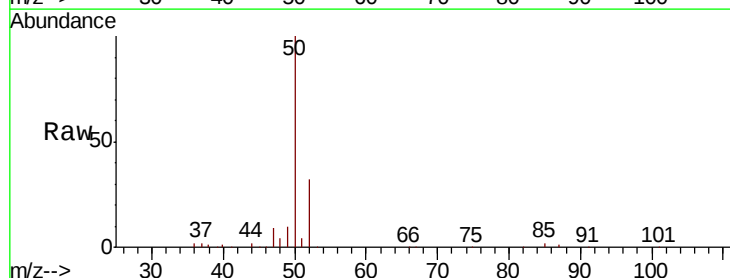
Acq: 20 Aug 2020 10:30

Tgt Ion: 50 Resp: 83171

Ion Ratio Lower Upper

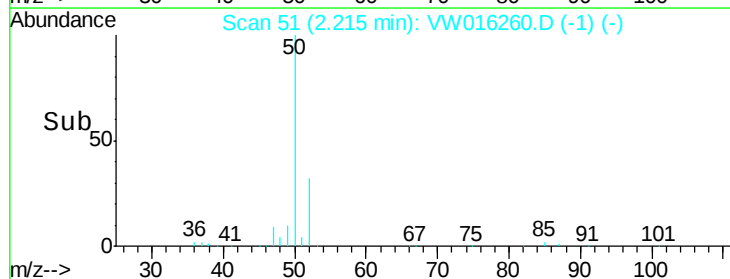
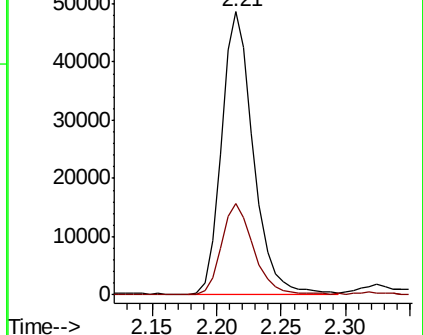
50 100

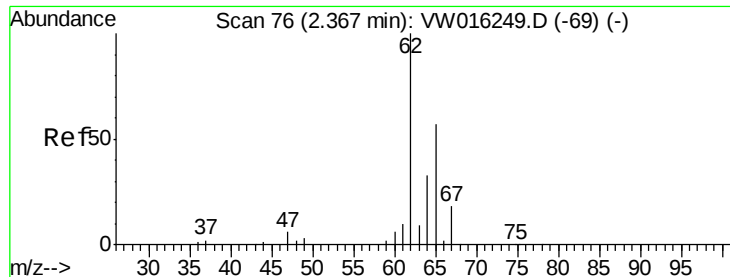
52 32.4 22.0 40.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.683 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

Instrument :

MSVOA_W

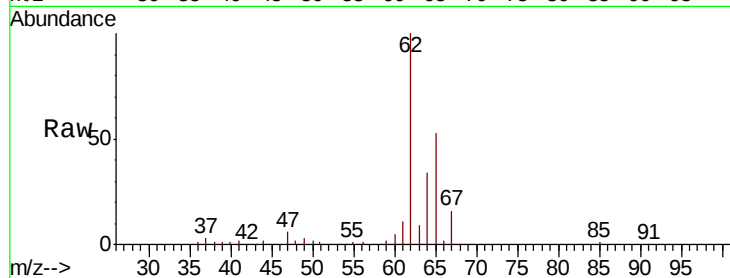
ClientSampled :

Tot Ion: 62 Resp: 120068

Ion Ratio Lower Upper

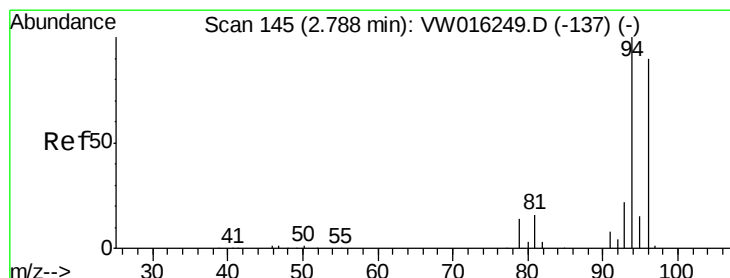
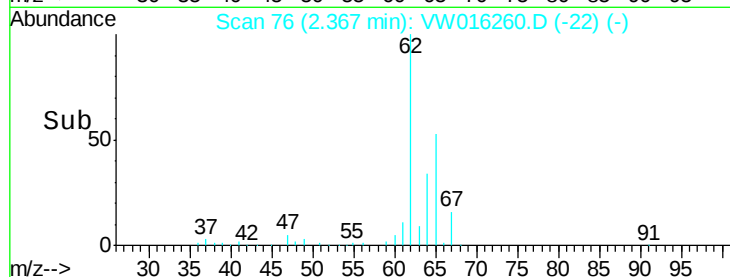
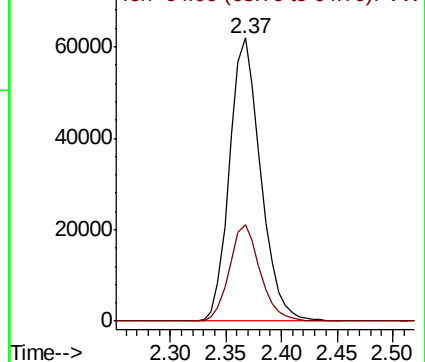
62 100

64 33.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 23.709 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016260.D

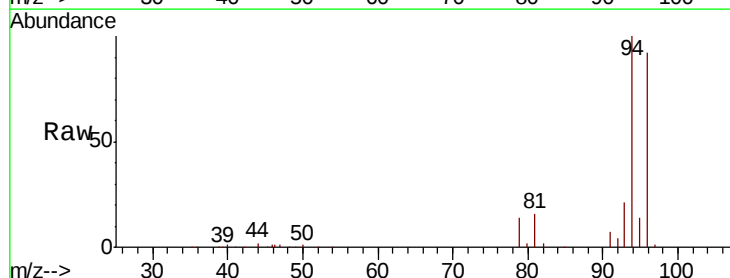
Acq: 20 Aug 2020 10:30

Tgt Ion: 94 Resp: 75281

Ion Ratio Lower Upper

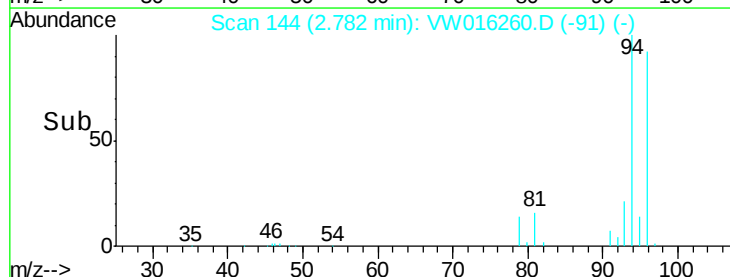
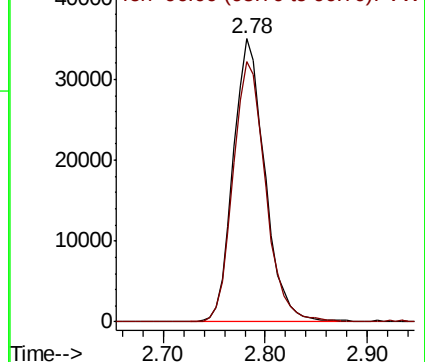
94 100

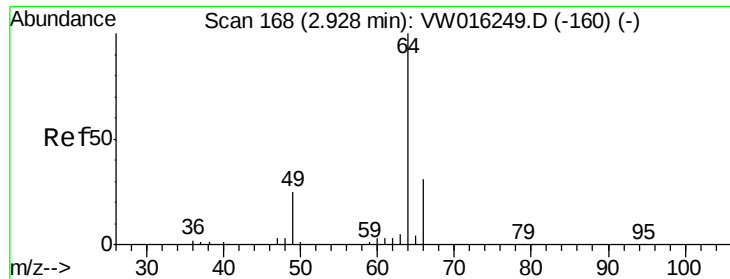
96 94.4 9.4 178.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

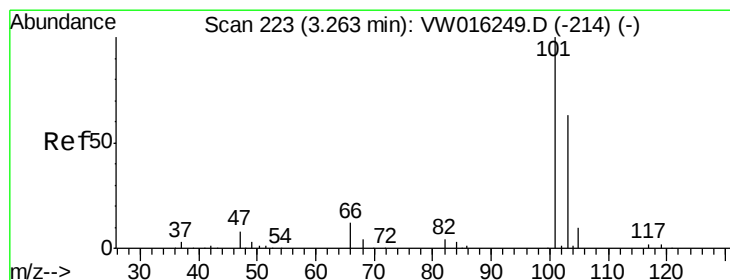
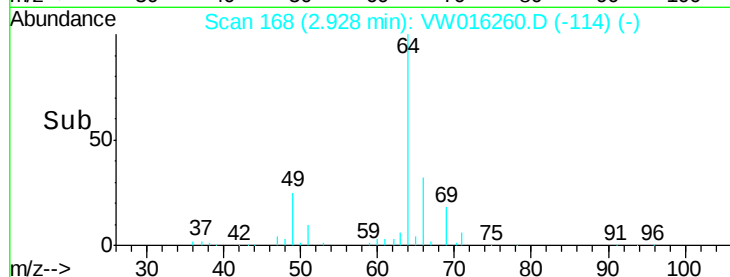
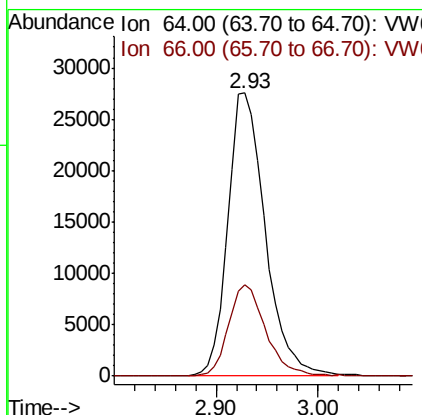
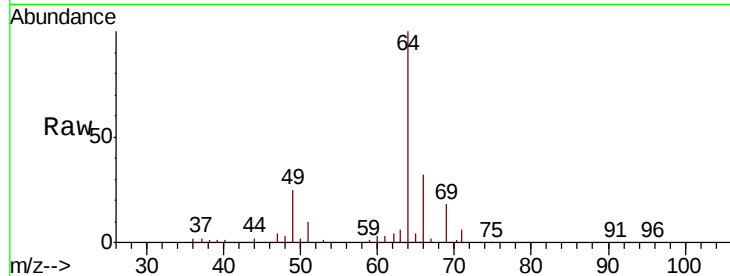




#8
Chloroethane
Concen: 24.548 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW016260.D
Acq: 20 Aug 2020 10:30

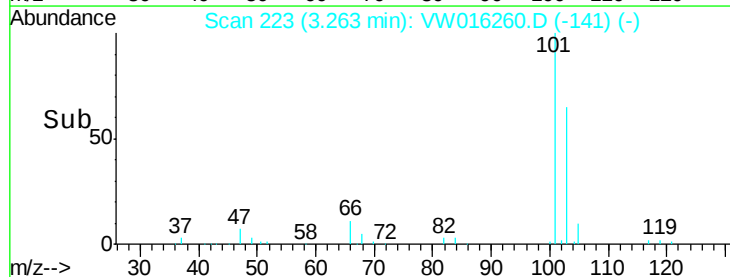
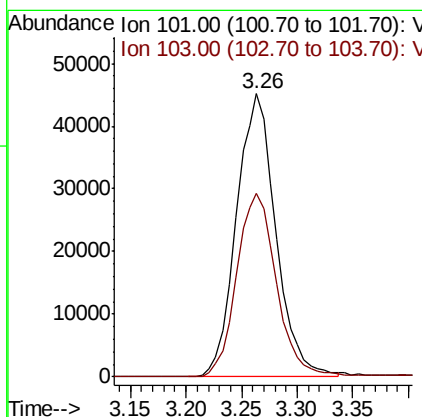
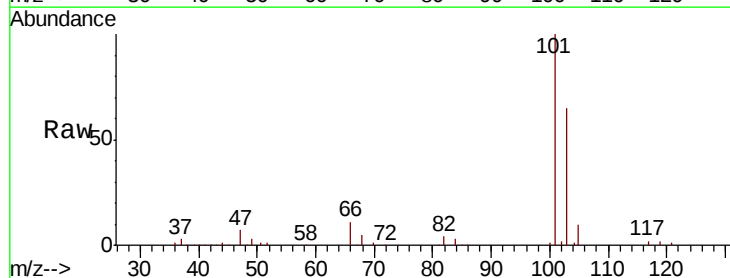
Instrument :
MSVOA_W
ClientSampleId :

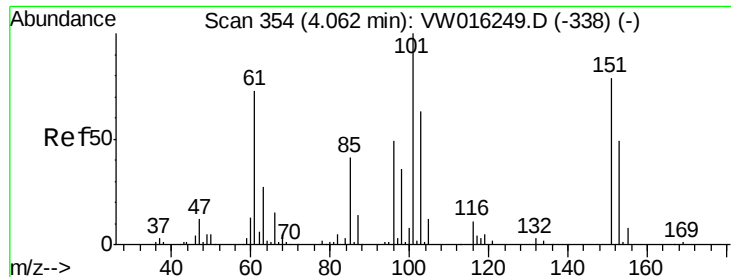
Tot Ion: 64 Resp: 70080
Ion Ratio Lower Upper
64 100
66 32.3 21.8 40.4



#9
Trichlorofluoromethane
Concen: 30.591 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW016260.D
Acq: 20 Aug 2020 10:30

Tgt Ion: 101 Resp: 110703
Ion Ratio Lower Upper
101 100
103 65.4 45.6 84.6





#11

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

Concen: 26.233 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

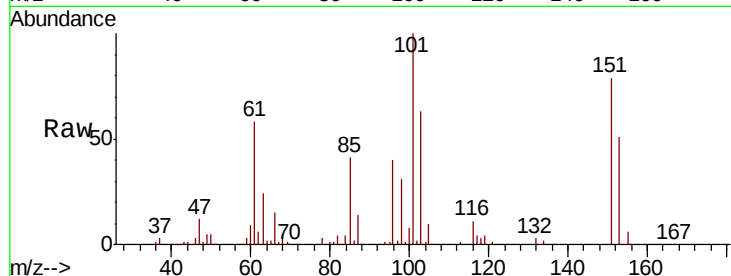
Tot Ion:101 Resp: 134161

Ion Ratio Lower Upper

101 100

85 41.7 34.2 51.4

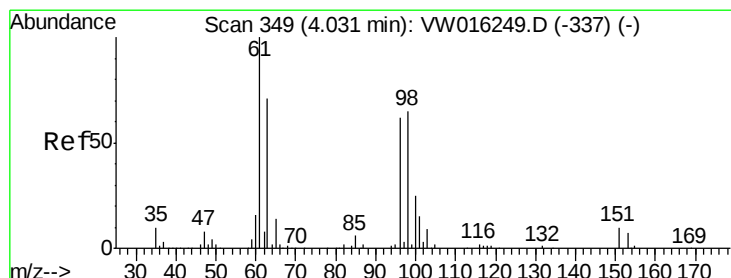
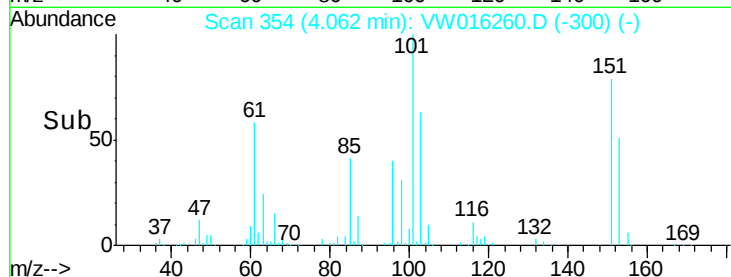
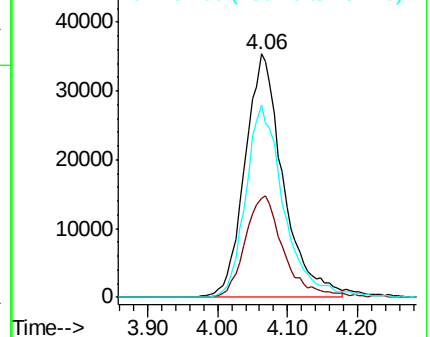
151 77.4 57.4 86.2



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: 26.693 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

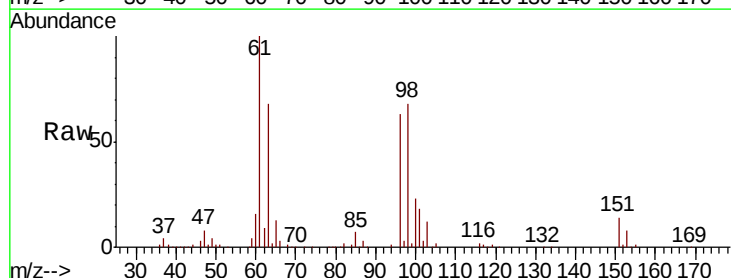
Tgt Ion: 96 Resp: 130452

Ion Ratio Lower Upper

96 100

61 158.9 120.2 223.2

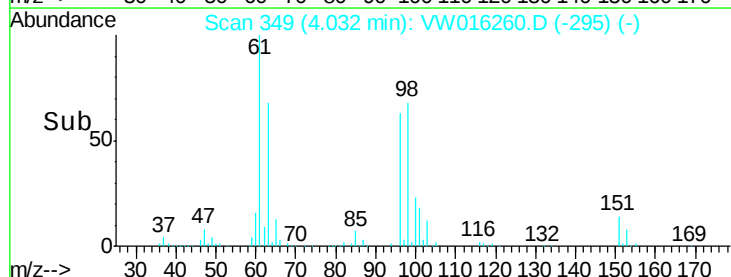
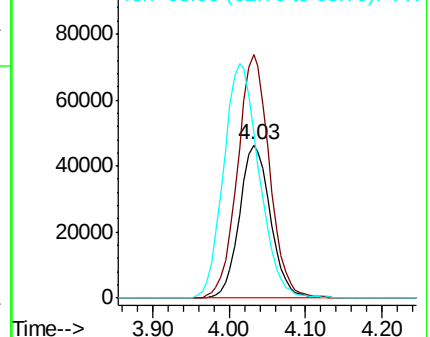
63 107.8 86.4 160.4

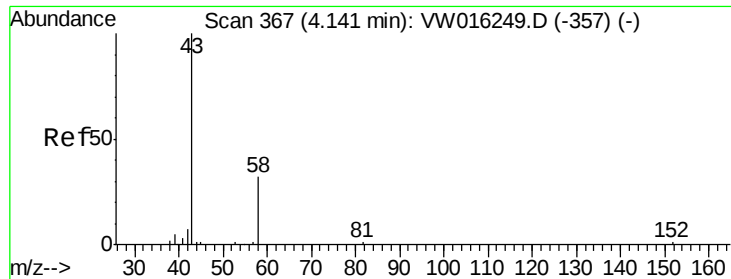


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.956 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

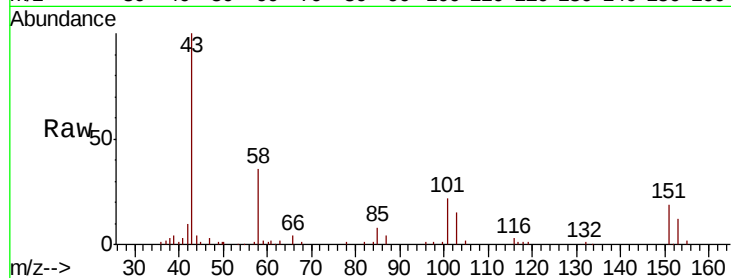
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 48825

Ion Ratio Lower Upper

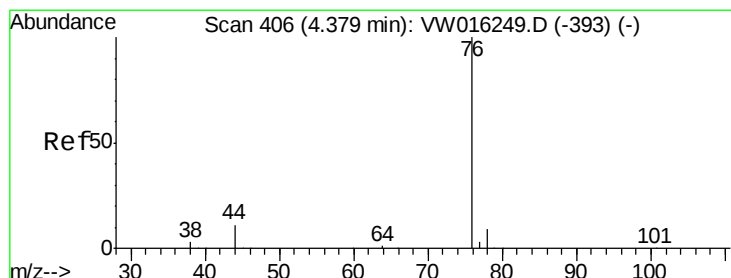
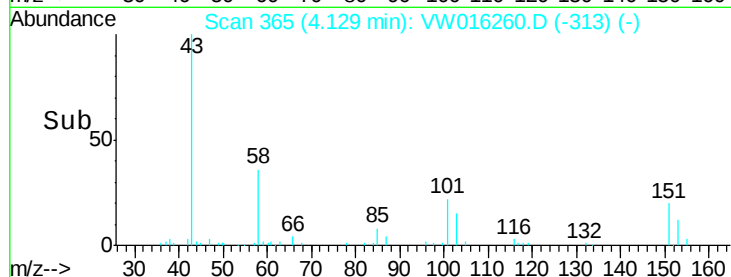
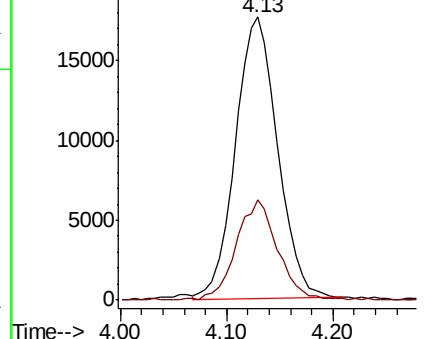
43 100

58 34.7 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.947 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW016260.D

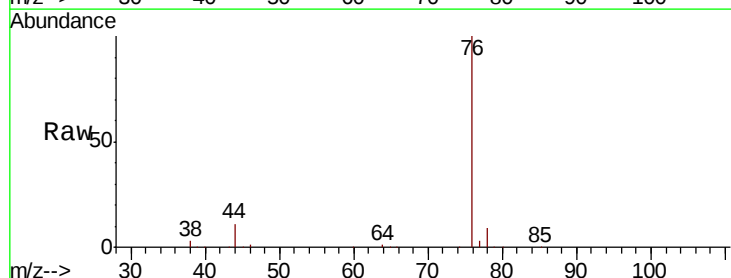
Acq: 20 Aug 2020 10:30

Tgt Ion: 76 Resp: 398039

Ion Ratio Lower Upper

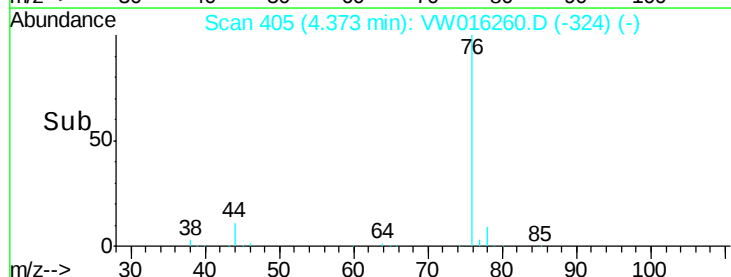
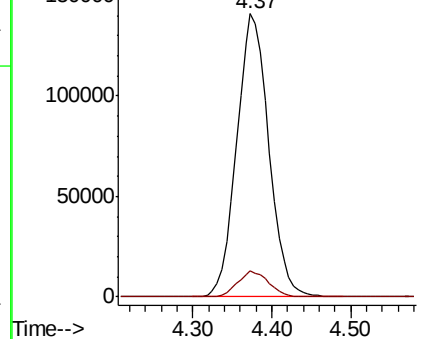
76 100

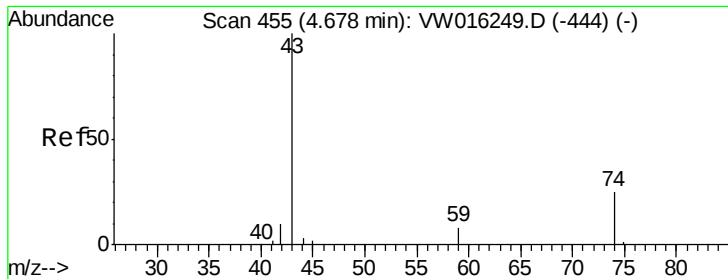
78 9.0 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methvl Acetate

Concen: 22.449 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

Instrument :

MSVOA_W

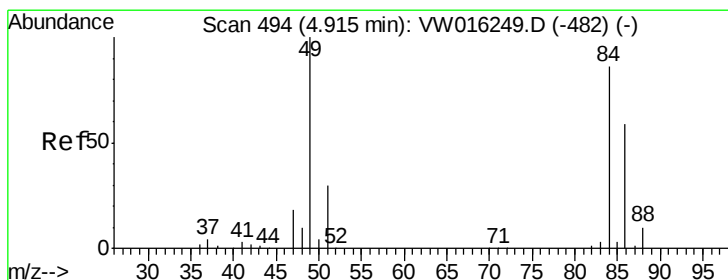
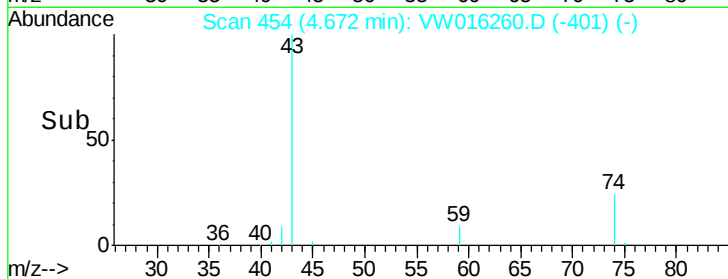
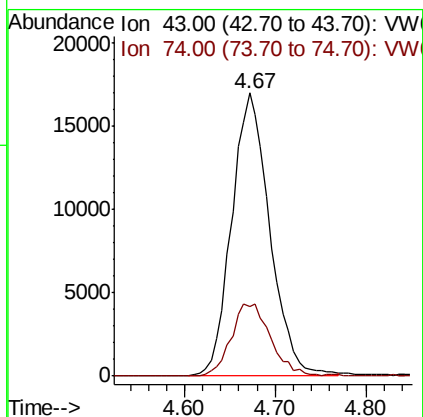
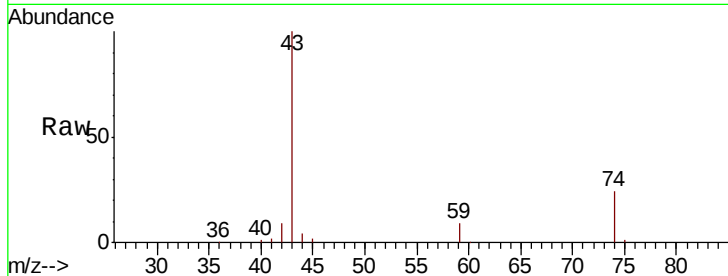
ClientSampleId :

Tot Ion: 43 Resp: 49602

Ion Ratio Lower Upper

43 100

74 26.5 18.9 28.3



#16

Methylene chloride

Concen: 22.581 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

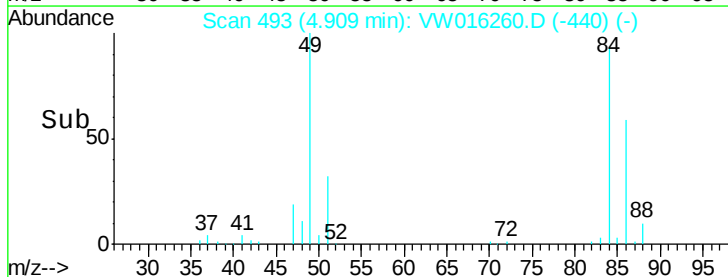
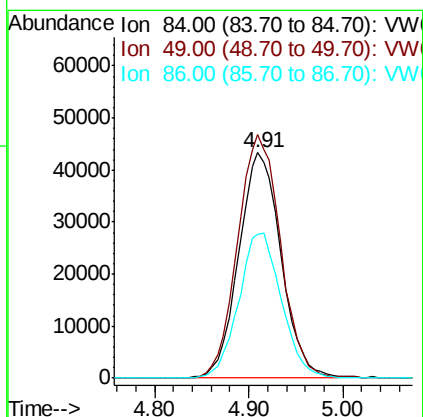
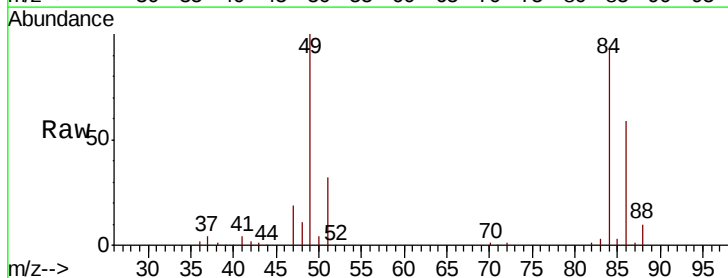
Tgt Ion: 84 Resp: 135768

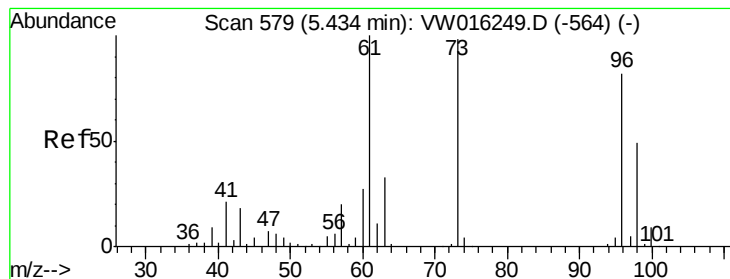
Ion Ratio Lower Upper

84 100

49 108.1 80.4 149.4

86 63.8 43.8 81.3



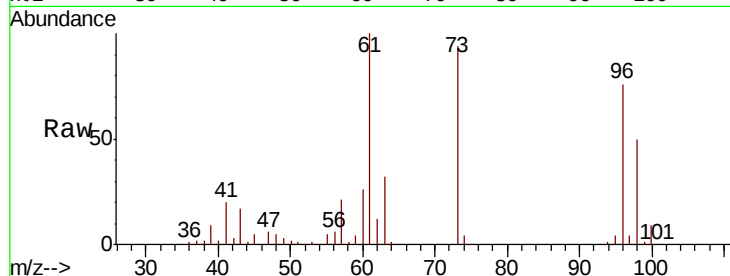


#17

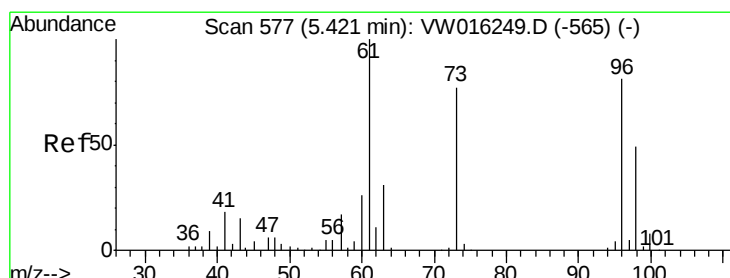
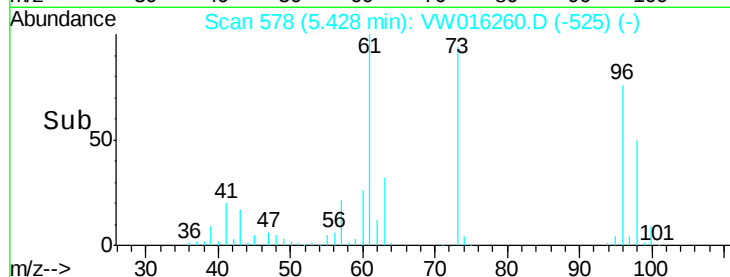
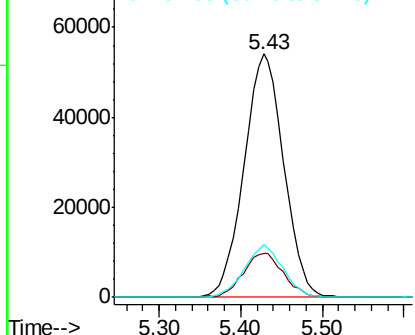
Methvl tert-butvl Ether
 Concen: 26.446 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 73 Resp: 183151
 Ion Ratio Lower Upper
 73 100
 43 18.5 16.6 24.8
 57 20.9 17.1 25.7



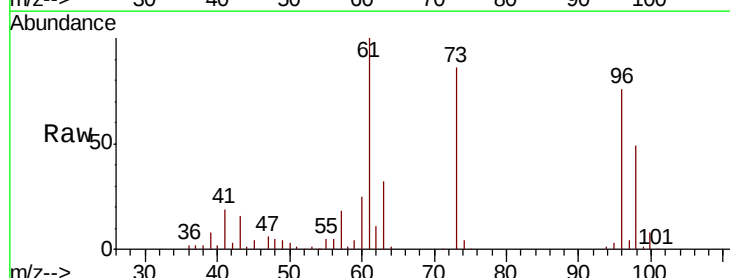
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



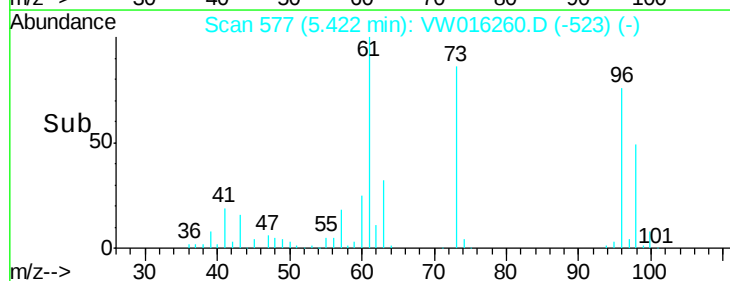
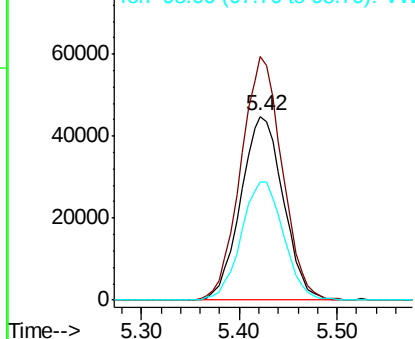
#18

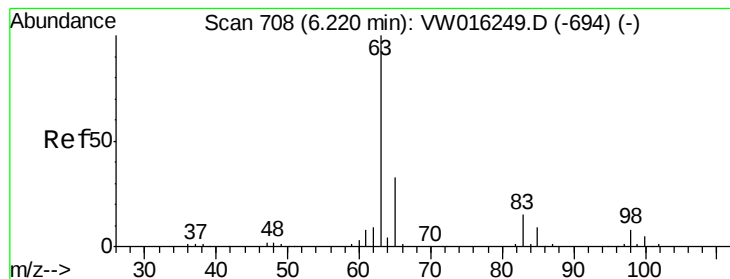
trans-1,2-Dichloroethene
 Concen: 26.298 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

Tgt Ion: 96 Resp: 135191
 Ion Ratio Lower Upper
 96 100
 61 132.3 101.6 188.8
 98 64.5 47.7 88.7



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





#19

1,1-Dichloroethane

Concen: 24.617 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

Instrument :

MSVOA_W

ClientSampled :

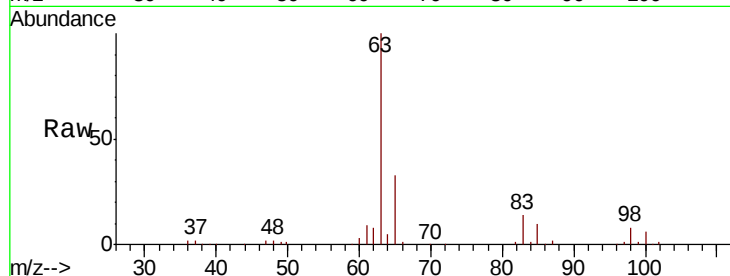
Tot Ion: 63 Resp: 223905

Ion Ratio Lower Upper

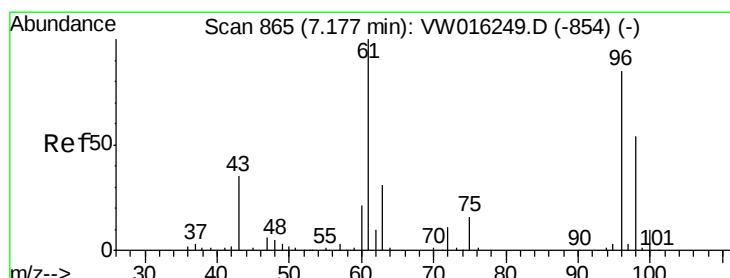
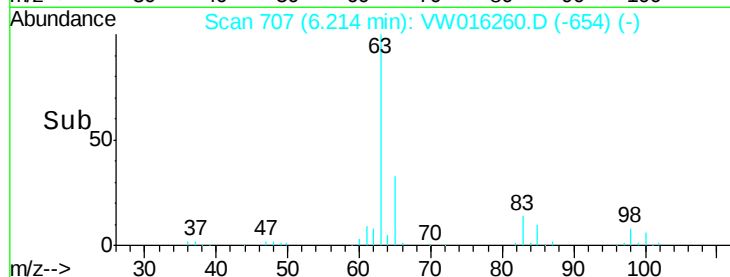
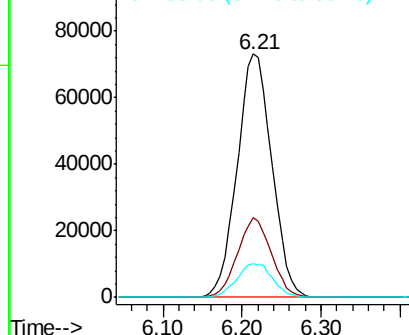
63 100

65 32.9 21.6 40.0

83 14.0 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 45.920 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016260.D

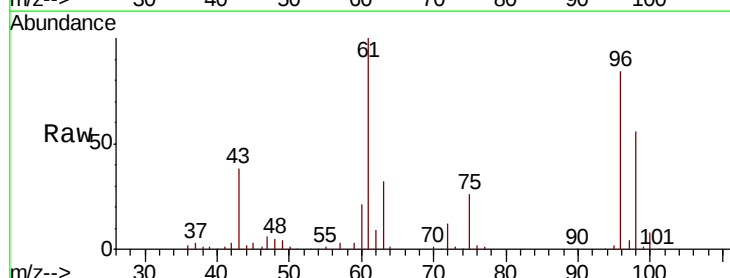
Acq: 20 Aug 2020 10:30

Tgt Ion: 43 Resp: 68392

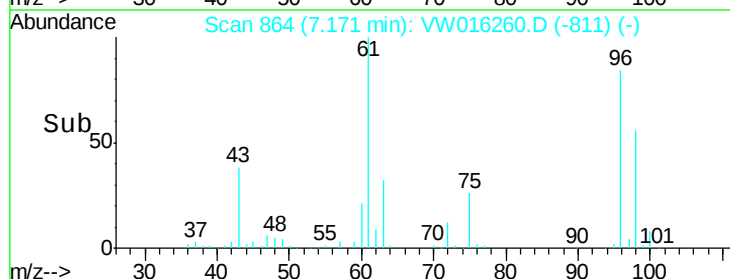
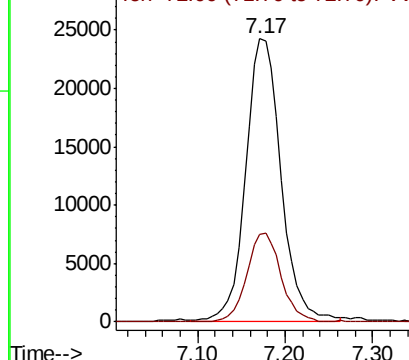
Ion Ratio Lower Upper

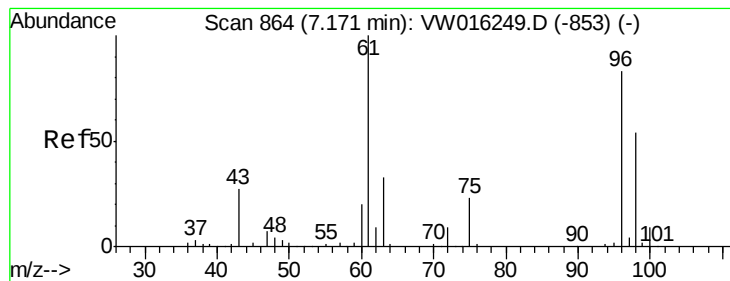
43 100

72 30.2 13.9 41.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



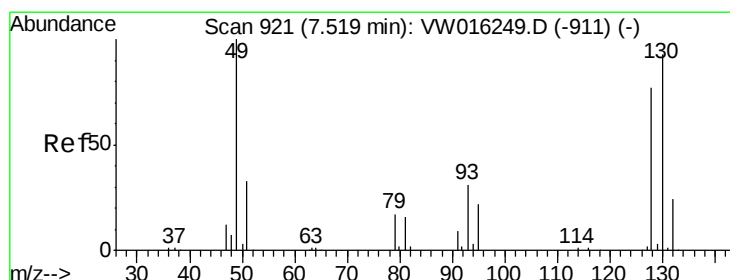
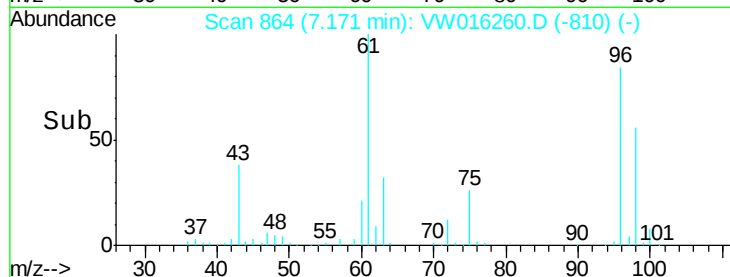
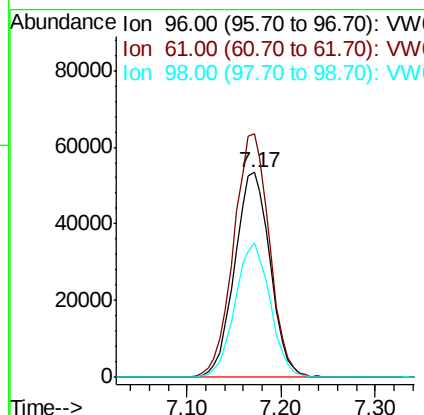
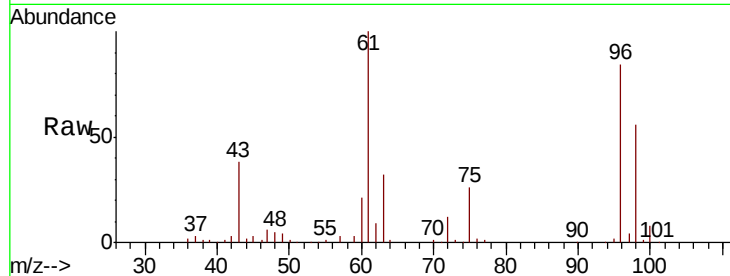


#22

cis-1,2-Dichloroethene
Concen: 25.885 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016260.D
Acq: 20 Aug 2020 10:30

Instrument :
MSVOA_W
ClientSampled :

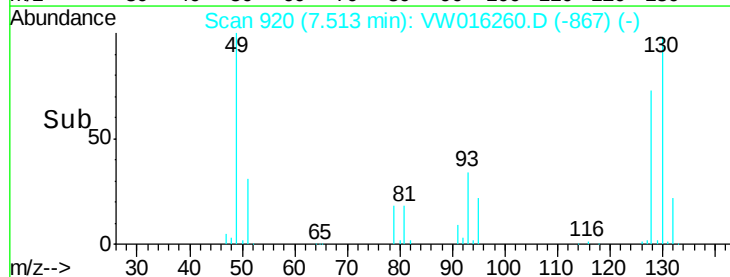
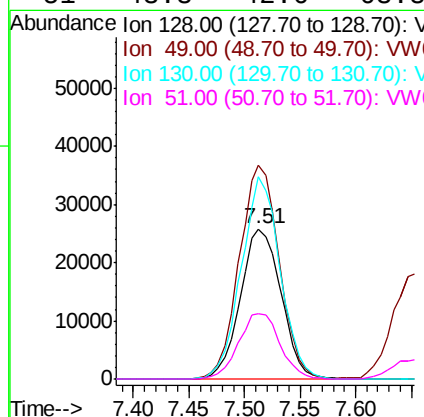
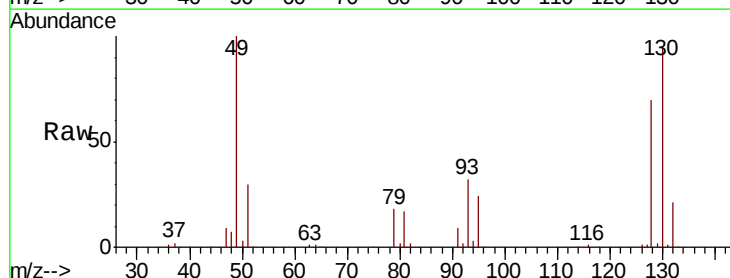
Tot Ion: 96 Resp: 140377
Ion Ratio Lower Upper
96 100
61 119.0 87.0 161.6
98 66.1 44.0 81.6

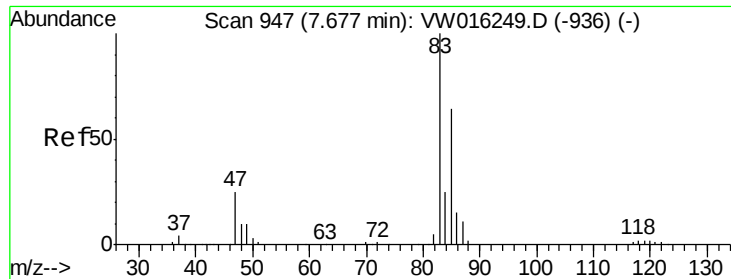


#23

Bromochloromethane
Concen: 26.358 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW016260.D
Acq: 20 Aug 2020 10:30

Tgt Ion: 128 Resp: 65605
Ion Ratio Lower Upper
128 100
49 142.1 111.8 207.6
130 134.9 90.6 168.3
51 43.3 42.6 63.8

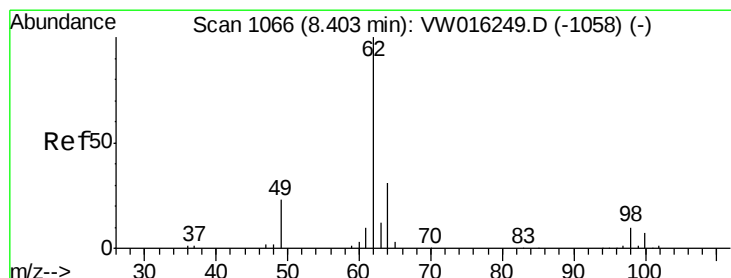
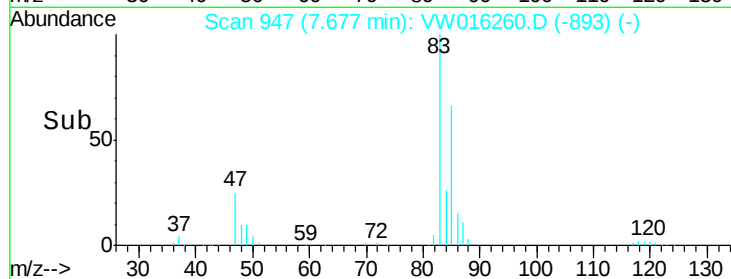
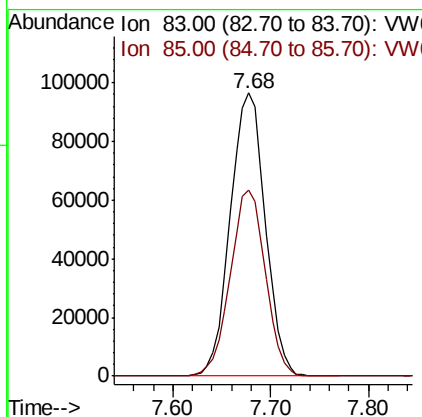
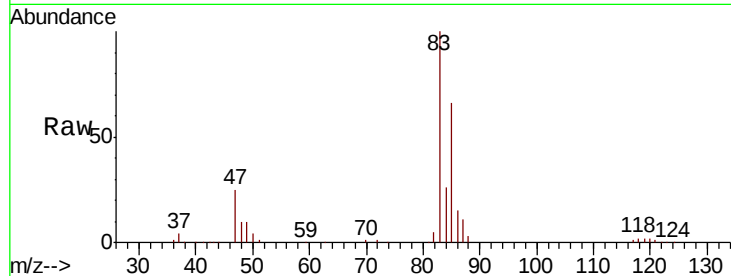




#25
Chloroform
Concen: 24.773 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016260.D
Acq: 20 Aug 2020 10:30

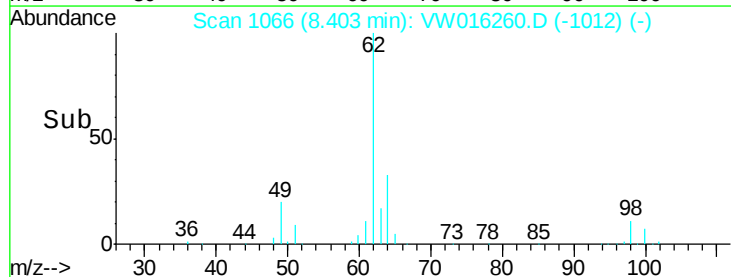
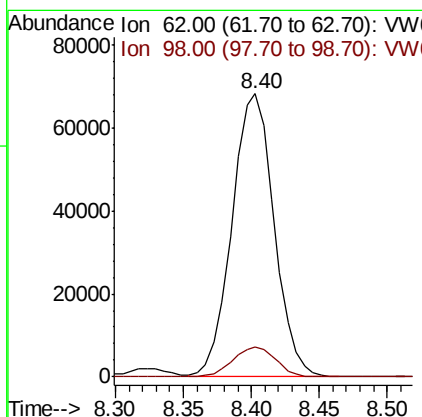
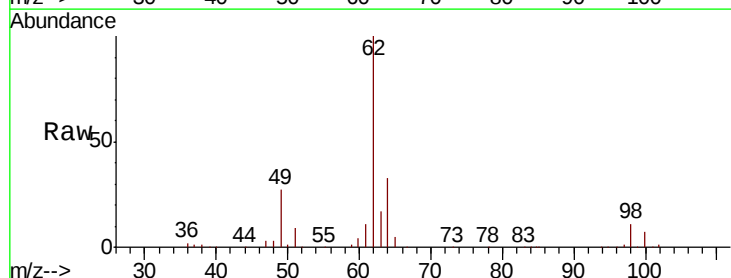
Instrument :
MSVOA_W
ClientSampled :

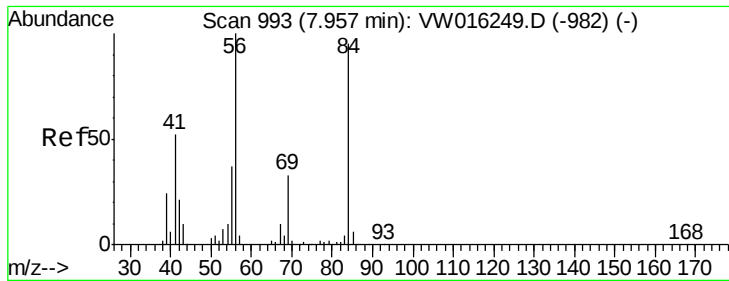
Tot Ion: 83 Resp: 239726
Ion Ratio Lower Upper
83 100
85 66.0 46.0 85.4



#27
1,2-Dichloroethane
Concen: 22.771 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016260.D
Acq: 20 Aug 2020 10:30

Tgt Ion: 62 Resp: 146781
Ion Ratio Lower Upper
62 100
98 10.5 7.7 11.5





#30

Cyclohexane

Concen: 26.501 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

Instrument :
MSVOA_W
ClientSampled :

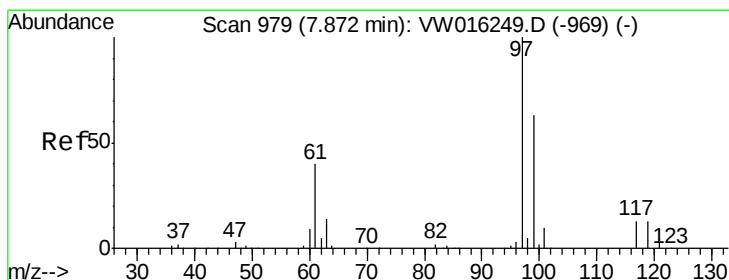
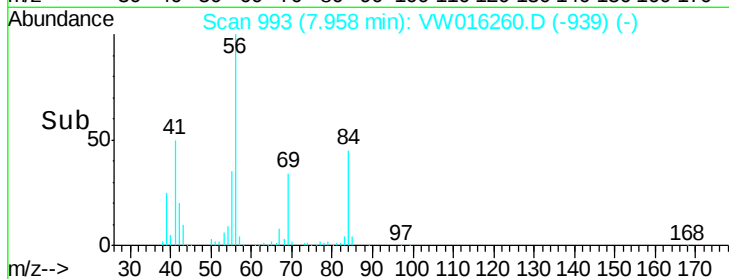
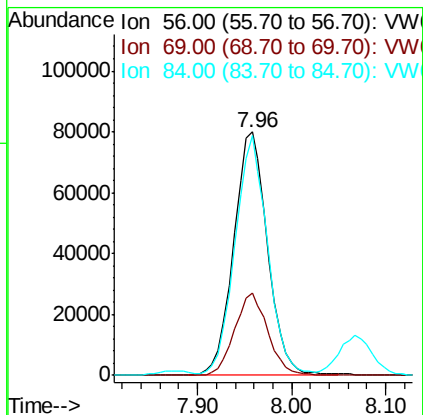
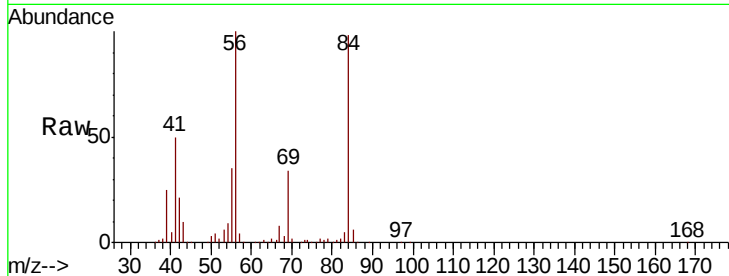
Tot Ion: 56 Resp: 200612

Ion Ratio Lower Upper

56 100

69 32.9 25.4 38.0

84 94.9 73.0 109.6



#31

1,1,1-Trichloroethane

Concen: 26.826 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

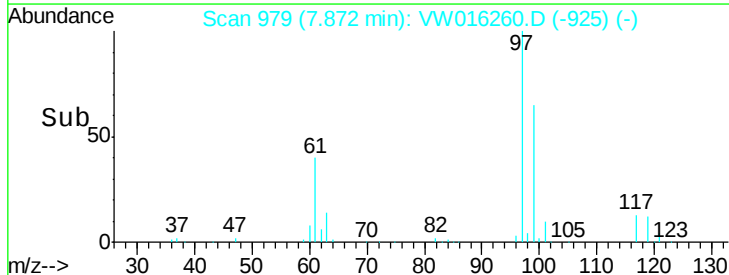
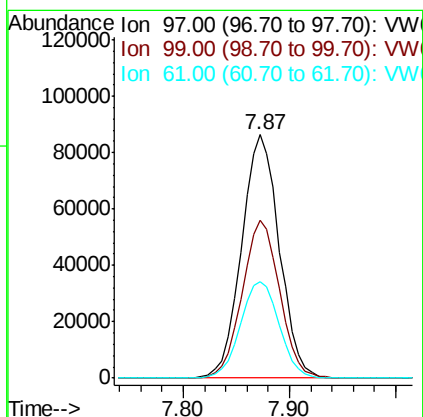
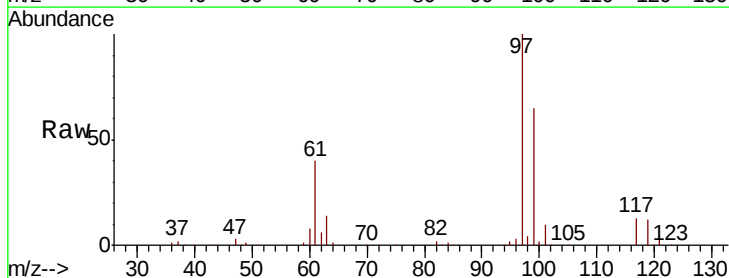
Tgt Ion: 97 Resp: 214463

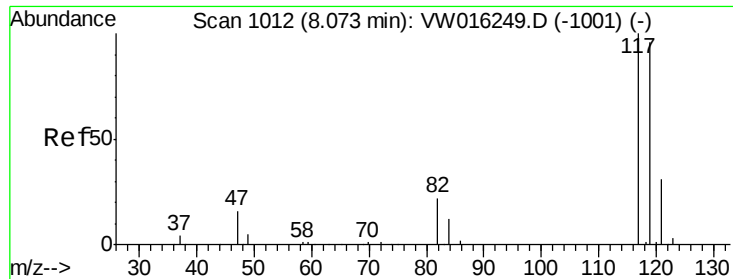
Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

61 40.8 34.5 51.7





#32

Carbon tetrachloride

Concen: 26.658 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

Instrument :

MSVOA_W

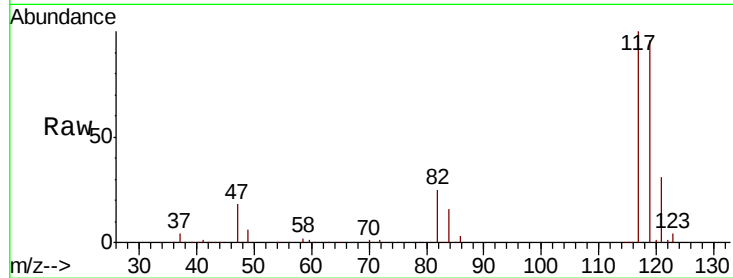
ClientSampleId :

Tot Ion:117 Resp: 201567

Ion Ratio Lower Upper

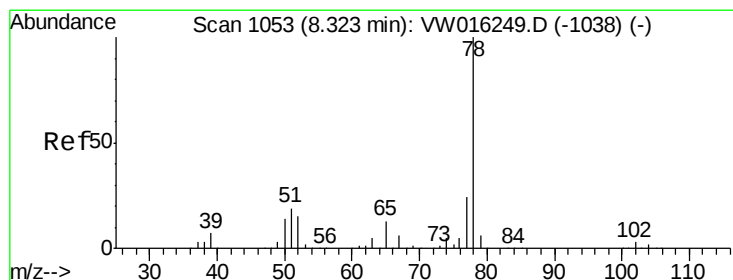
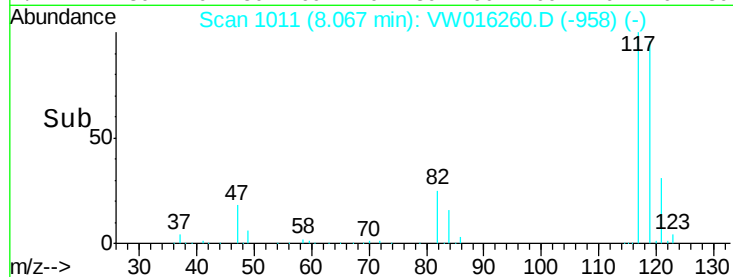
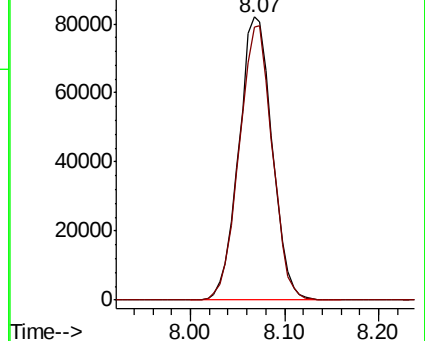
117 100

119 96.0 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.495 ug/L

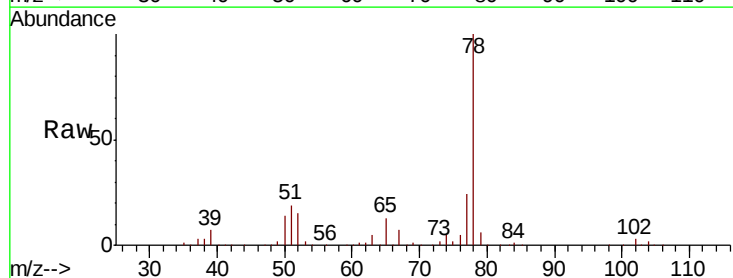
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

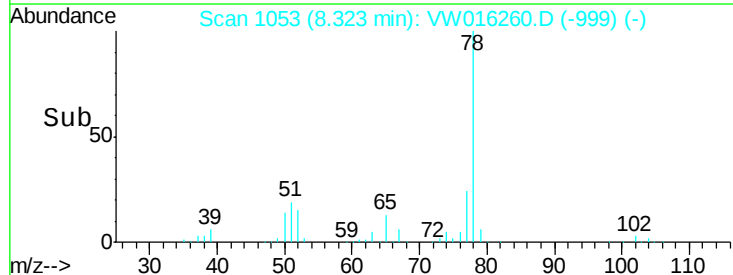
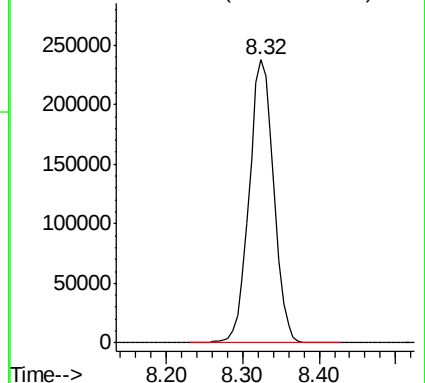
Lab File: VW016260.D

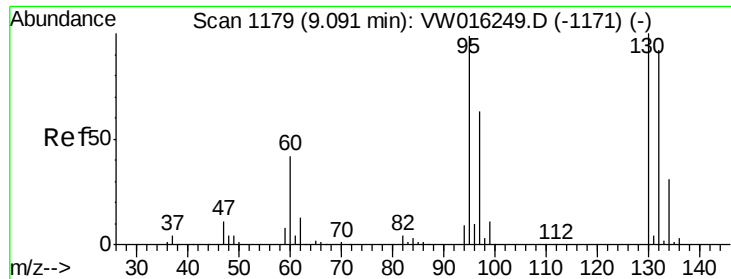
Acq: 20 Aug 2020 10:30

Tgt Ion: 78 Resp: 531580



Abundance Ion 78.00 (77.70 to 78.70): VW

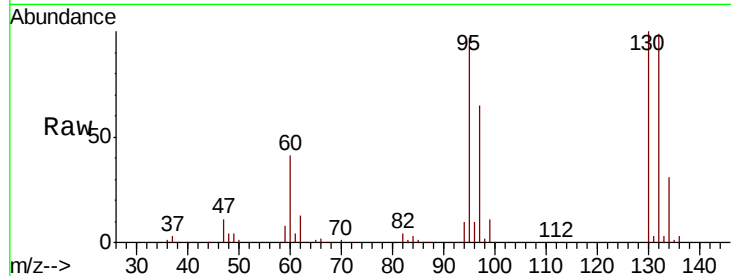




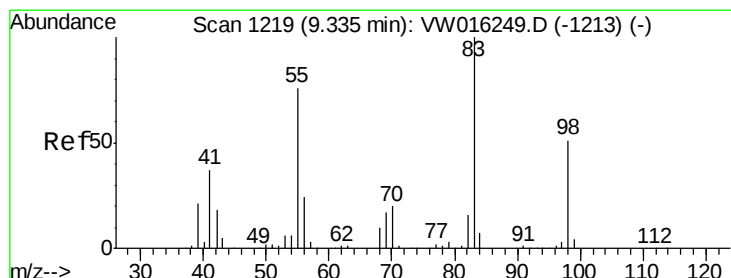
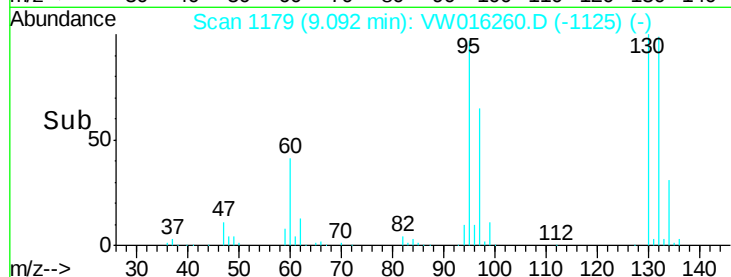
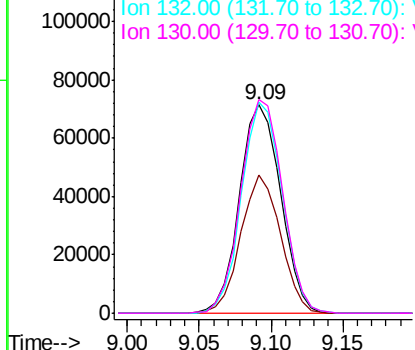
#35
 Trichloroethene
 Concen: 26.269 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 141716
 Ion Ratio Lower Upper
 95 100
 97 64.0 44.9 83.3
 132 100.0 65.8 122.2
 130 104.3 69.5 129.1

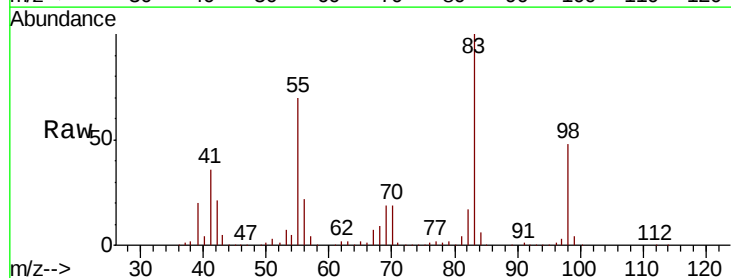


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

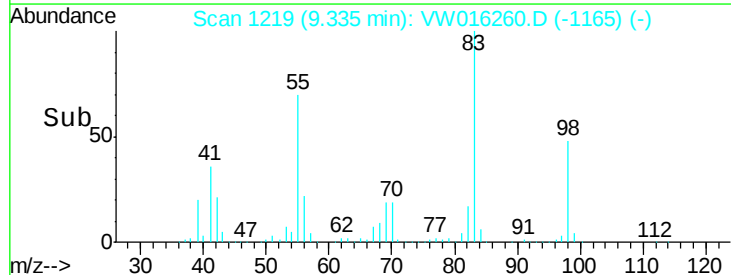
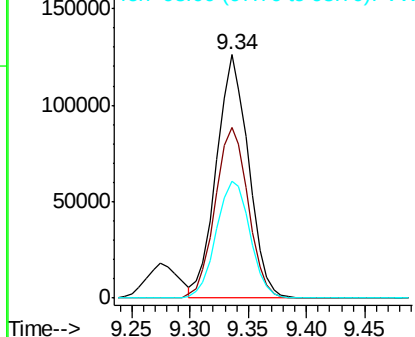


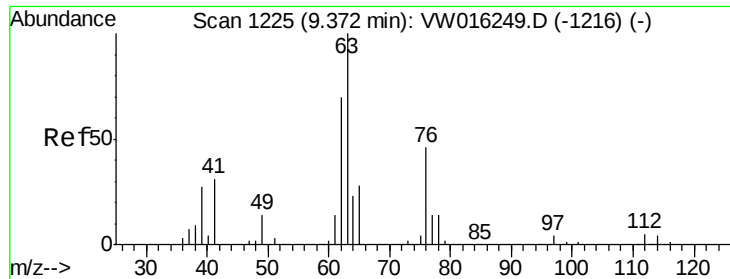
#36
 Methylcyclohexane
 Concen: 27.025 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

Tgt Ion: 83 Resp: 240170
 Ion Ratio Lower Upper
 83 100
 55 72.1 60.7 91.1
 98 50.6 39.4 59.0



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

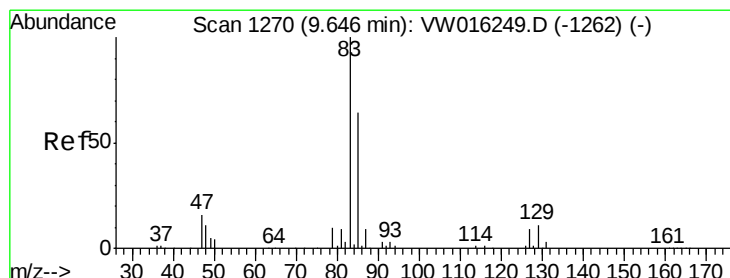
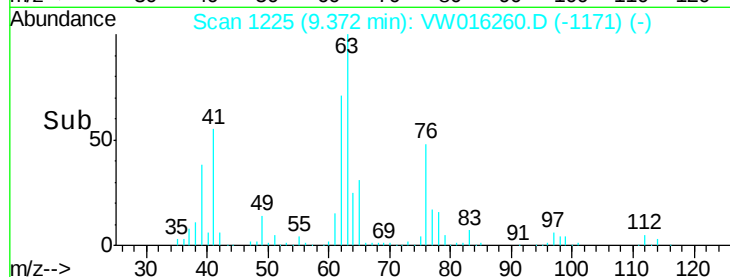
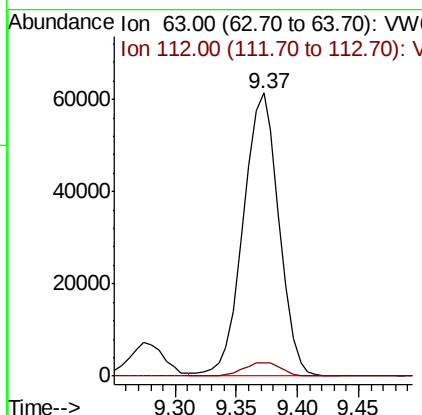
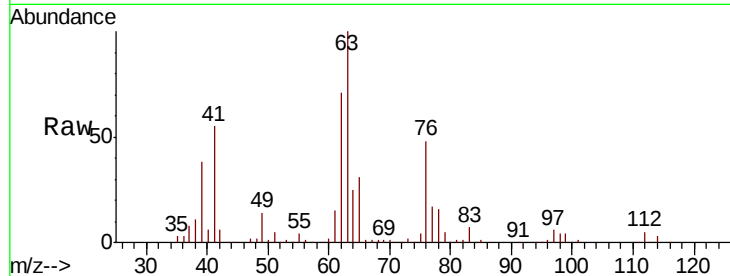




#40
 1,2-Dichloropropane
 Concen: 25.327 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

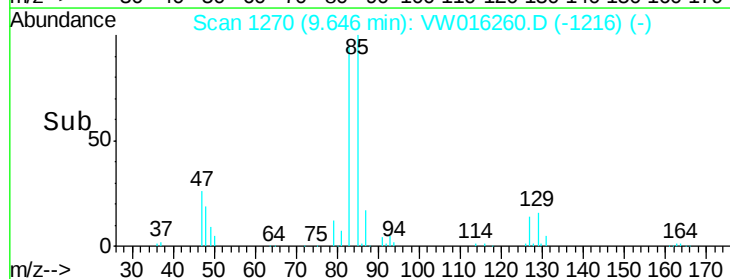
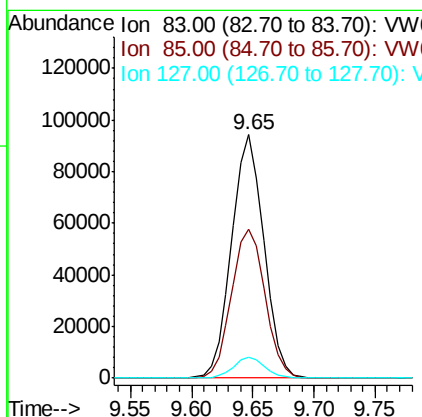
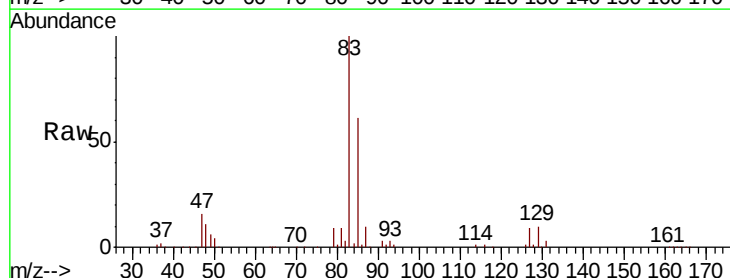
Instrument :
 MSVOA_W
 ClientSampleId :

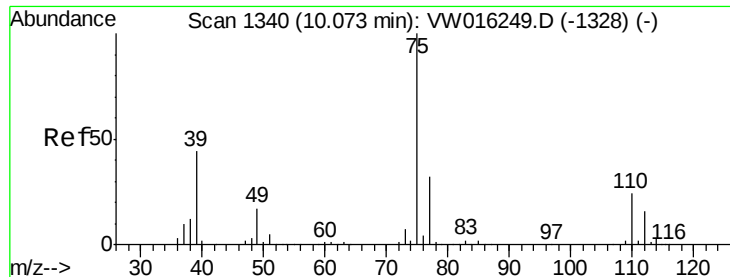
Tot Ion: 63 Resp: 124785
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.0 6.0



#41
 Bromodichloromethane
 Concen: 25.478 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

Tgt Ion: 83 Resp: 172442
 Ion Ratio Lower Upper
 83 100
 85 61.3 46.1 85.5
 127 8.6 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 26.791 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

Instrument :

MSVOA_W

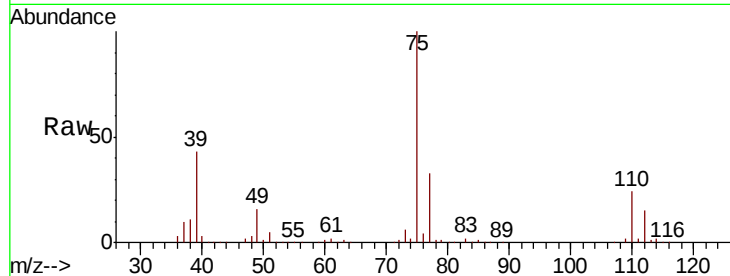
ClientSampled :

Tot Ion: 75 Resp: 201024

Ion Ratio Lower Upper

75 100

77 32.8 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

120000

100000

80000

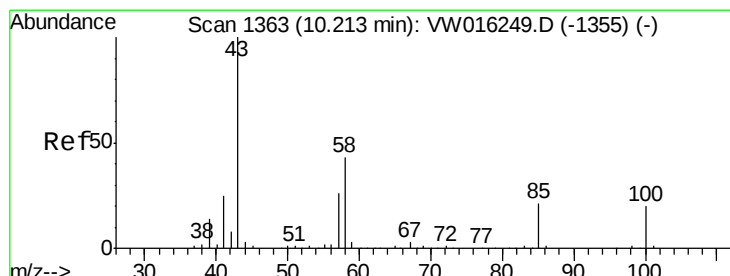
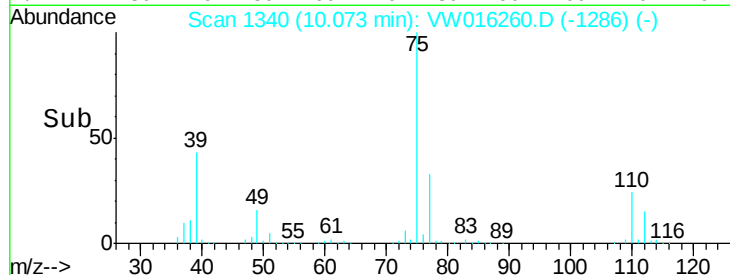
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 47.587 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

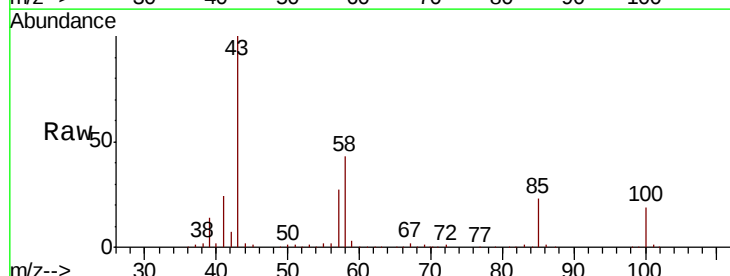
Tgt Ion: 43 Resp: 141021

Ion Ratio Lower Upper

43 100

58 42.3 32.1 48.1

100 19.1 13.8 20.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

200000

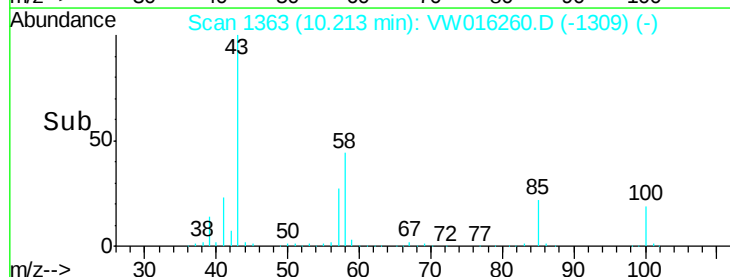
150000

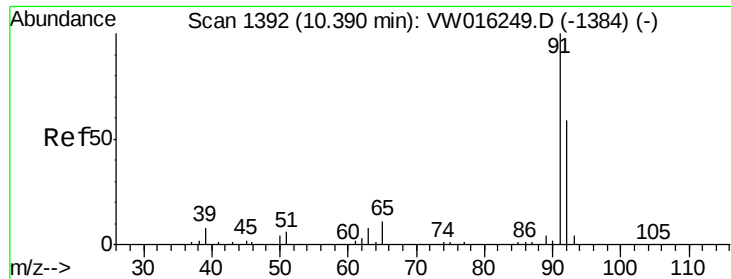
100000

50000

0

Time-->





#44

Toluene

Concen: 27.418 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

Instrument :

MSVOA_W

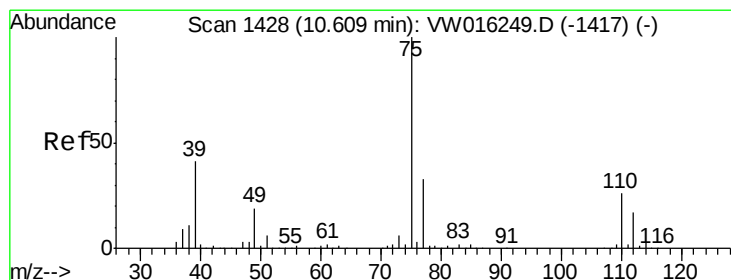
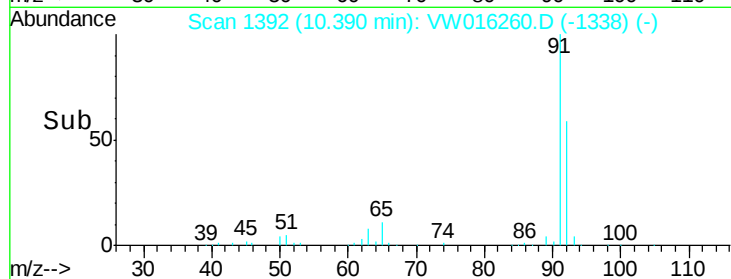
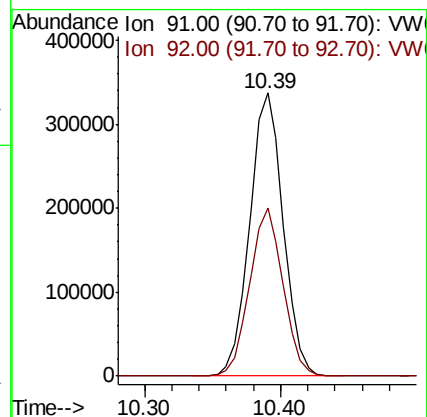
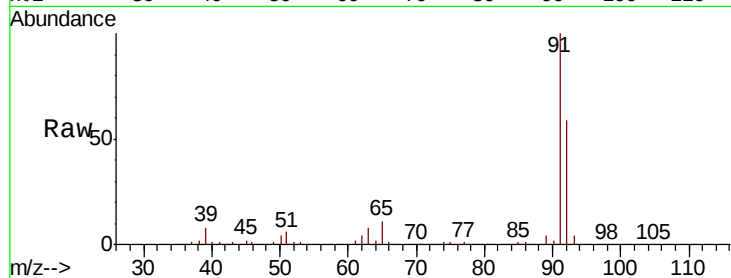
ClientSampleId :

Tot Ion: 91 Resp: 580685

Ion Ratio Lower Upper

91 100

92 59.2 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 26.237 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016260.D

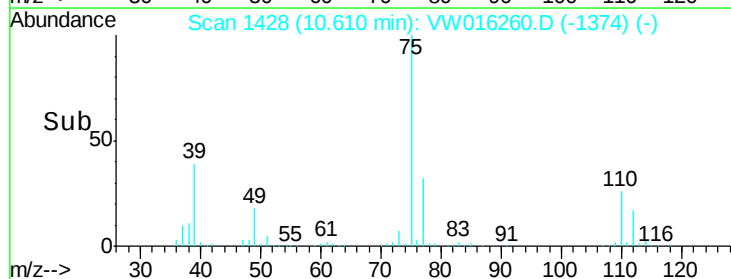
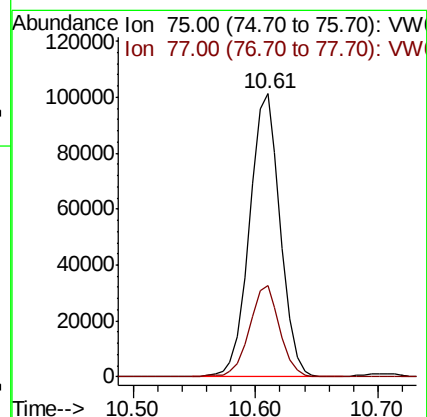
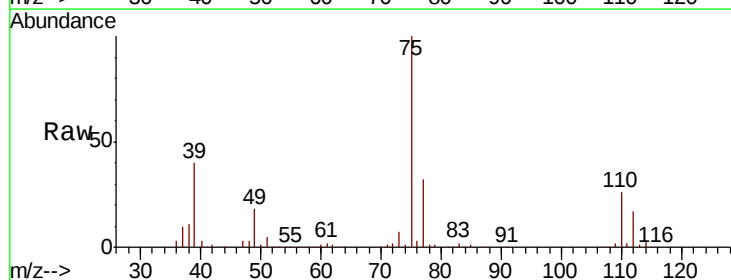
Acq: 20 Aug 2020 10:30

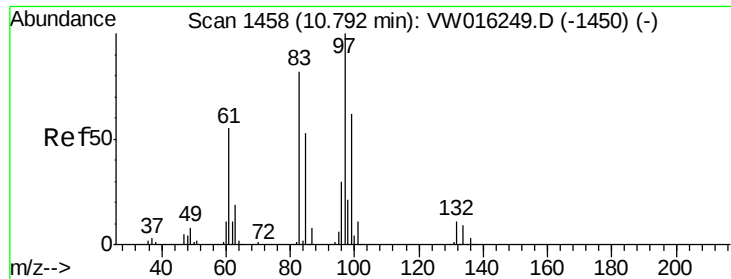
Tgt Ion: 75 Resp: 176846

Ion Ratio Lower Upper

75 100

77 32.2 22.7 42.1

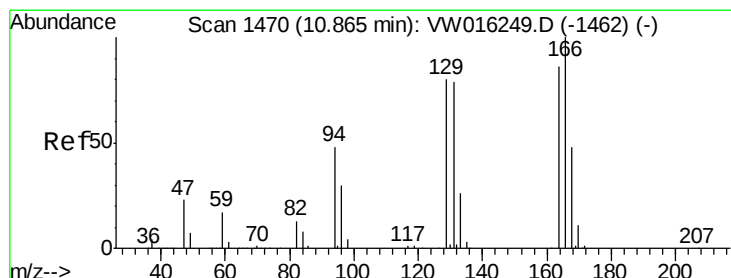
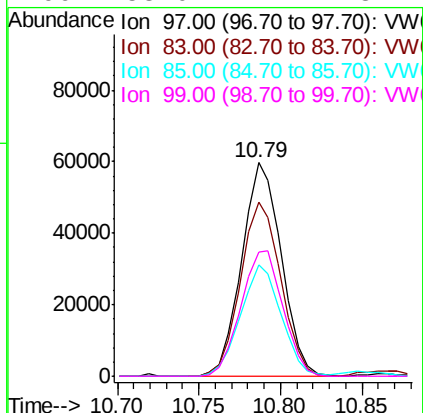
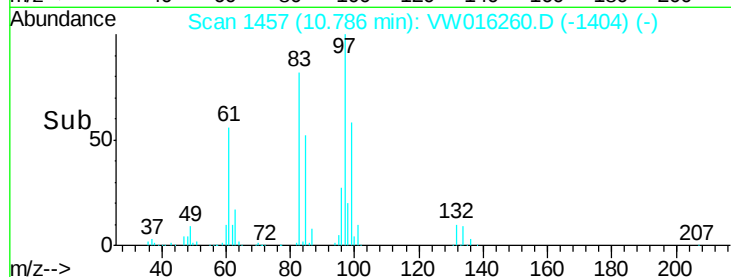
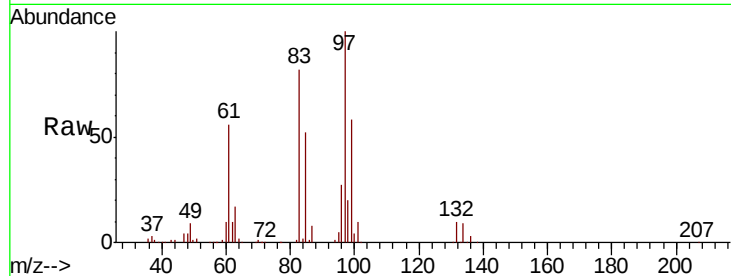




#46
 1,1,2-Trichloroethane
 Concen: 26.084 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

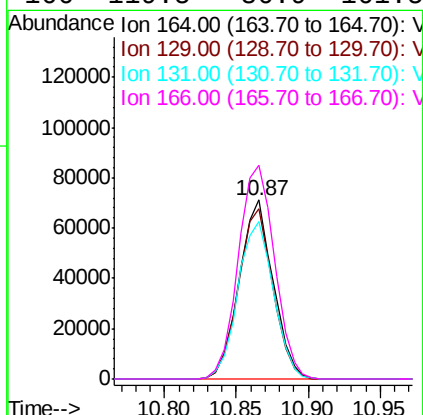
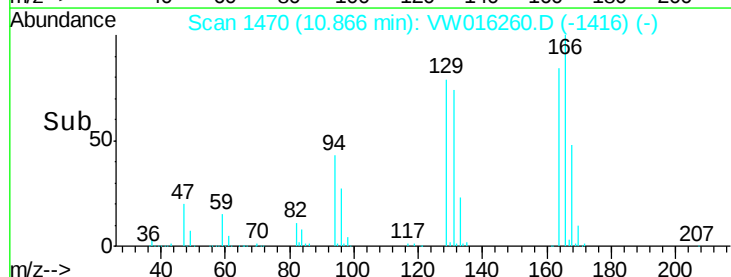
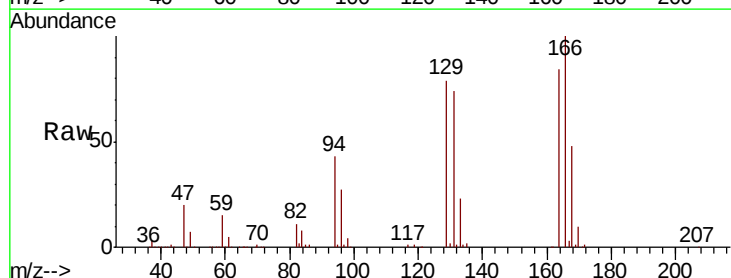
Instrument :
 MSVOA_W
 ClientSampleId :

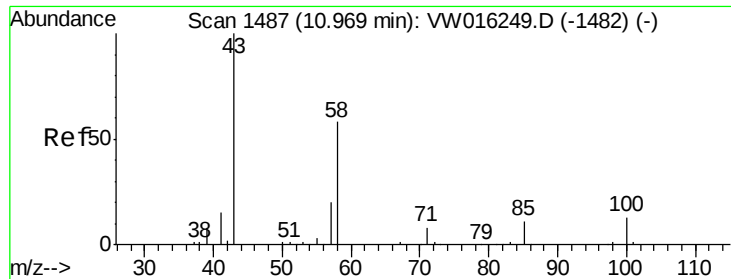
Tot Ion:	97	Resp:	101163
Ion	Ratio	Lower	Upper
97	100		
83	81.7	57.8	107.4
85	52.2	38.0	70.6
99	58.0	44.4	82.4



#47
 Tetrachloroethene
 Concen: 28.835 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

Tgt Ion:	164	Resp:	116616
Ion	Ratio	Lower	Upper
164	100		
129	95.0	71.5	132.9
131	88.0	65.4	121.4
166	119.5	86.9	161.5

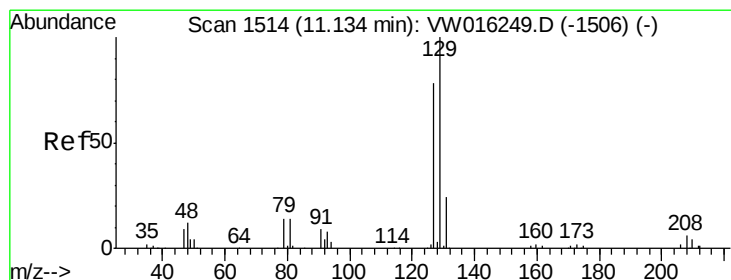
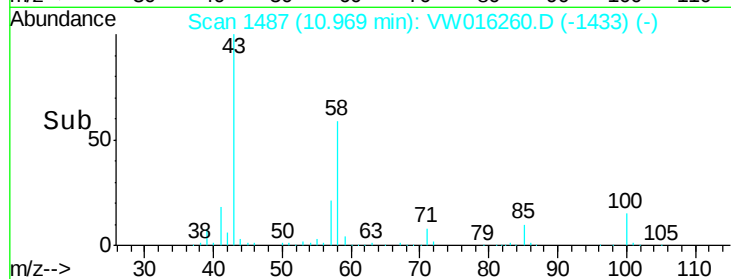
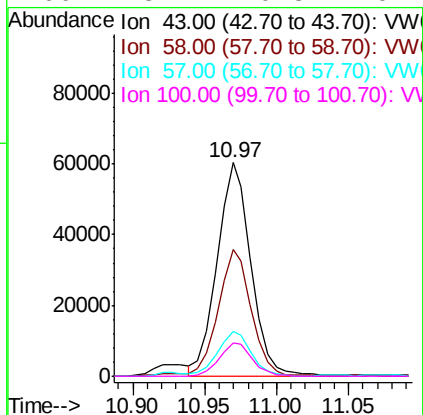
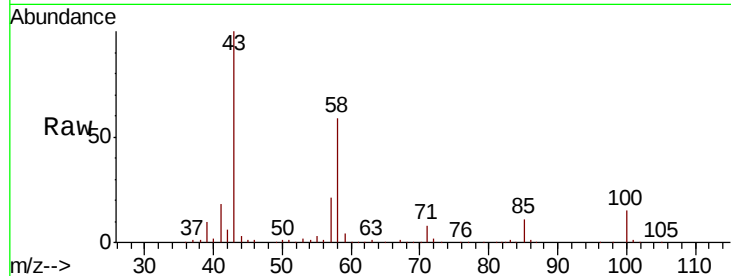




#49
2-Hexanone
Concen: 49.728 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016260.D
Acq: 20 Aug 2020 10:30

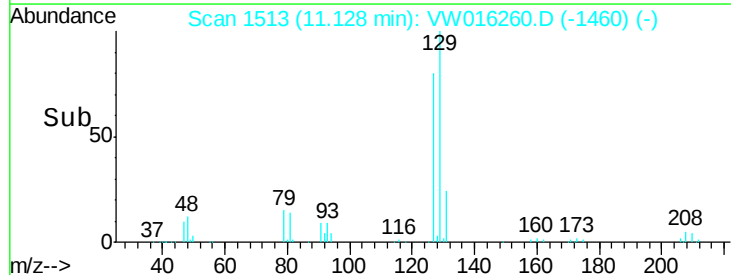
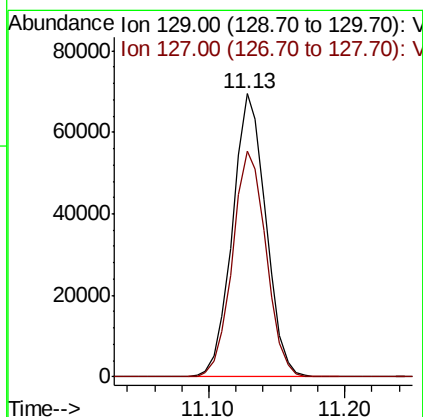
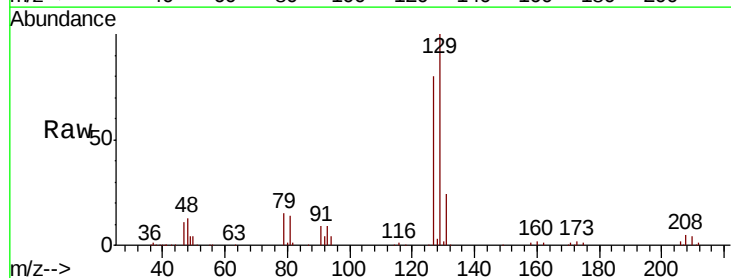
Instrument :
MSVOA_W
ClientSampled :

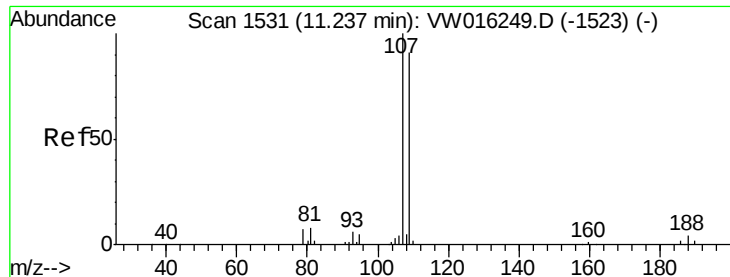
Tot Ion: 43 Resp: 99437
Ion Ratio Lower Upper
43 100
58 58.0 44.2 66.2
57 21.0 15.8 23.6
100 15.4 10.8 16.2



#50
Dibromochloromethane
Concen: 25.978 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016260.D
Acq: 20 Aug 2020 10:30

Tgt Ion: 129 Resp: 118663
Ion Ratio Lower Upper
129 100
127 79.8 55.4 102.8

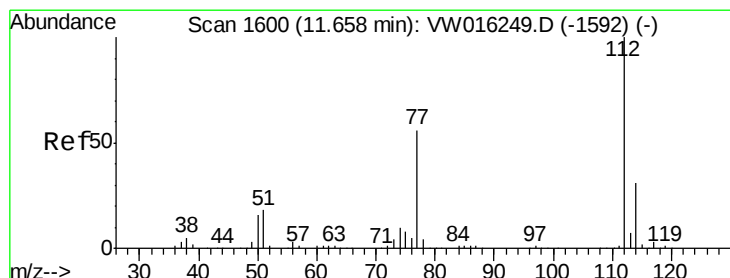
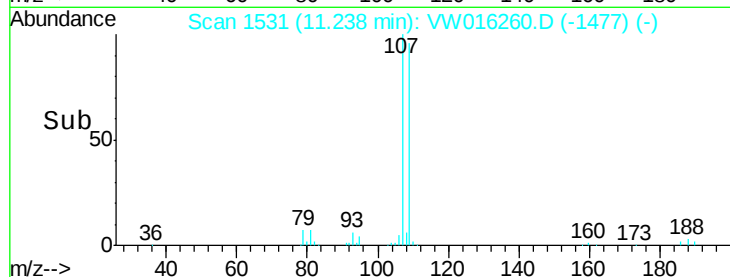
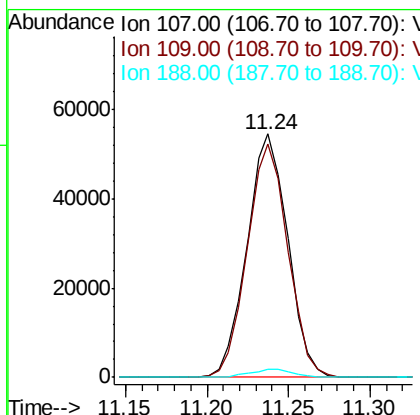
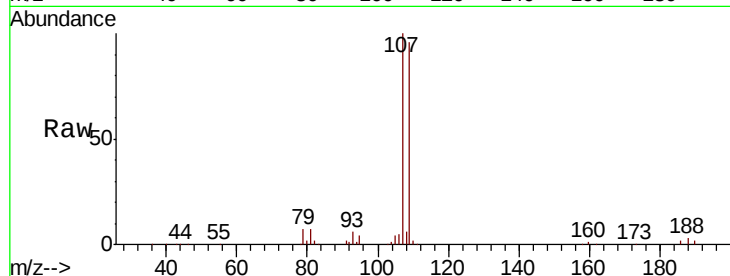




#51
 1,2-Dibromoethane
 Concen: 25.842 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

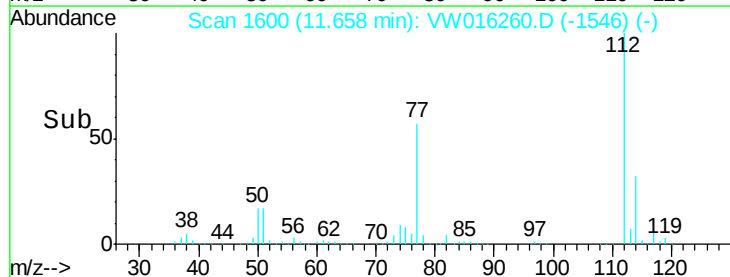
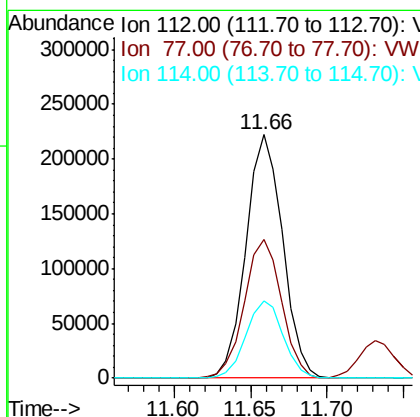
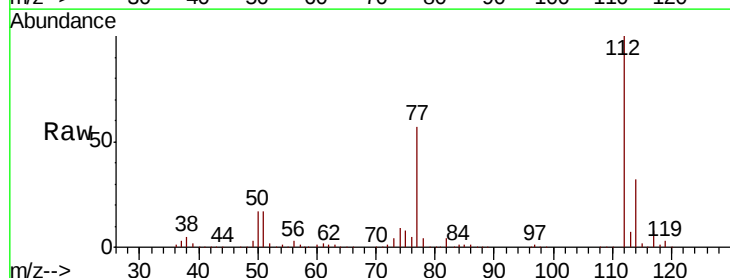
Instrument :
 MSVOA_W
 ClientSampleId :

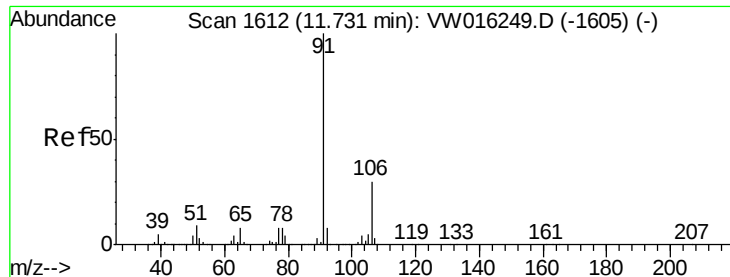
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	66.0	122.6
188	3.2	2.8	4.2



#52
 Chlorobenzene
 Concen: 26.515 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.7	49.1	73.7
114	31.9	23.5	43.7





#53

Ethylbenzene

Concen: 26.625 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

Instrument :

MSVOA_W

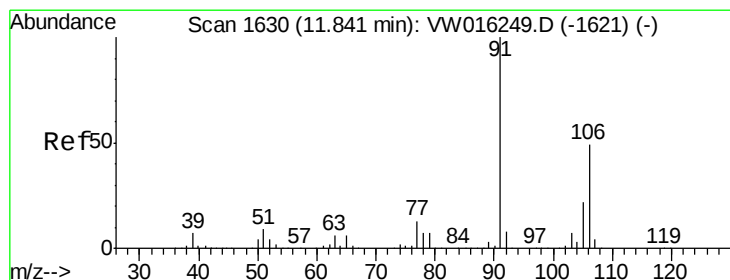
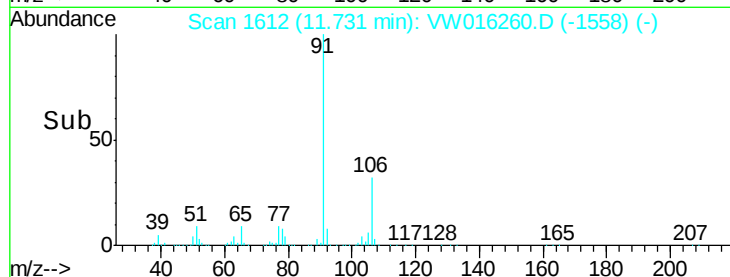
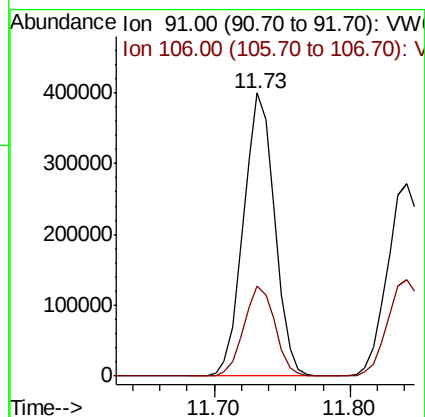
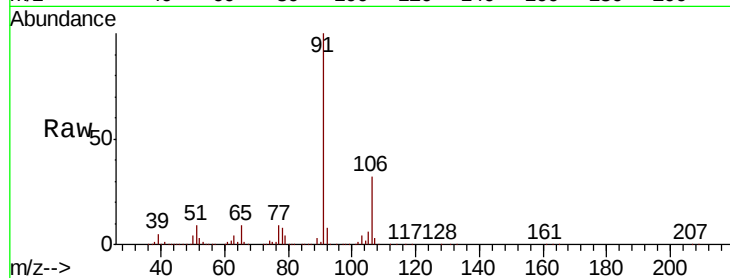
ClientSampleId :

Tot Ion: 91 Resp: 639782

Ion Ratio Lower Upper

91 100

106 32.1 21.8 40.4



#54

m,p-Xylene

Concen: 28.283 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016260.D

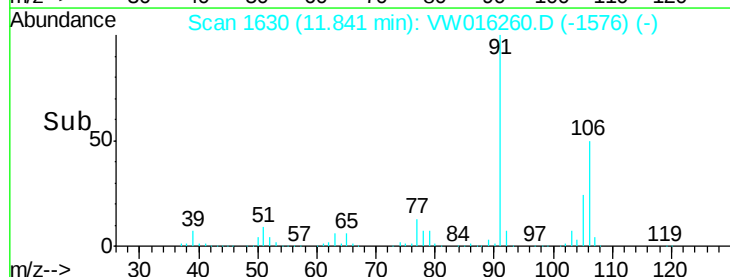
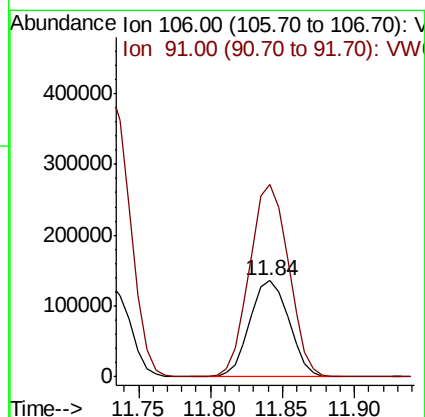
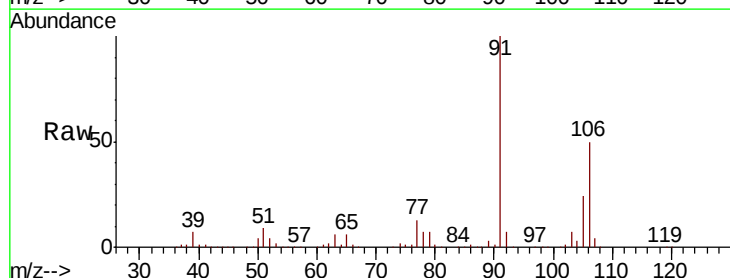
Acq: 20 Aug 2020 10:30

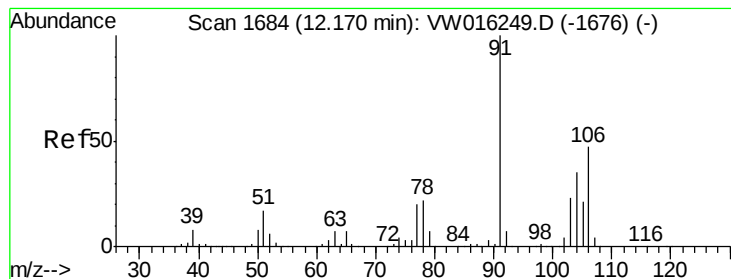
Tgt Ion: 106 Resp: 255647

Ion Ratio Lower Upper

106 100

91 199.9 136.4 253.2





#55

o-xylene

Concen: 27.979 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

Instrument :

MSVOA_W

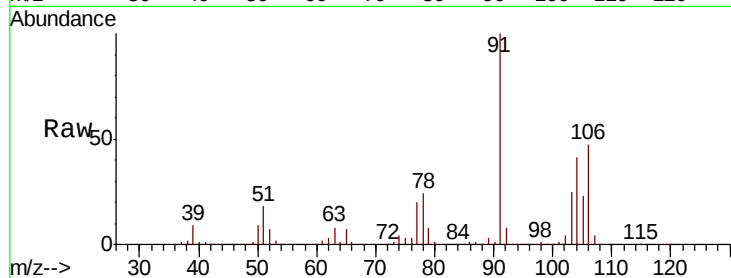
ClientSampled :

Tot Ion:106 Resp: 238216

Ion Ratio Lower Upper

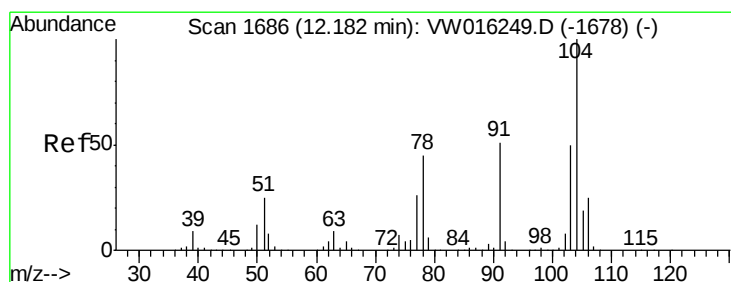
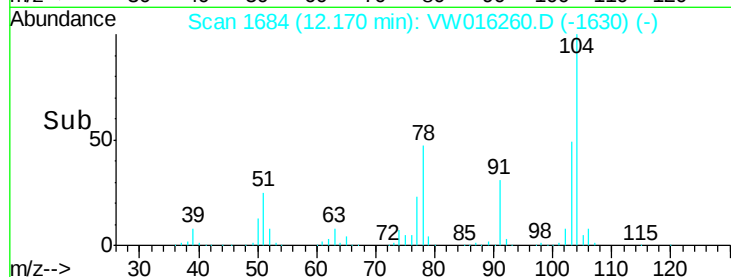
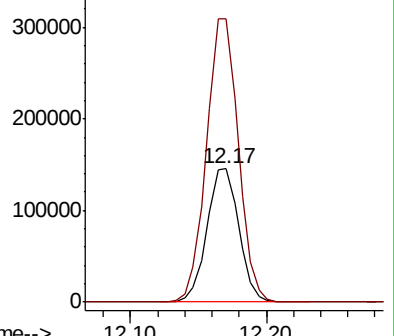
106 100

91 212.2 151.3 281.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.580 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016260.D

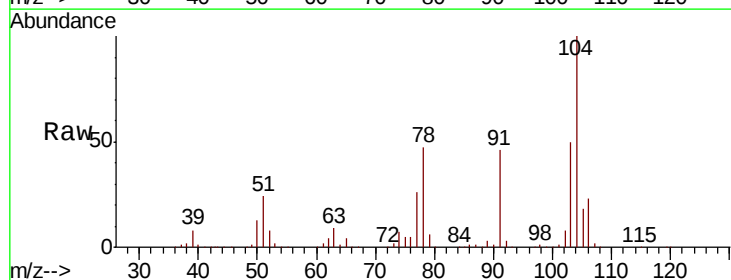
Acq: 20 Aug 2020 10:30

Tgt Ion:104 Resp: 406539

Ion Ratio Lower Upper

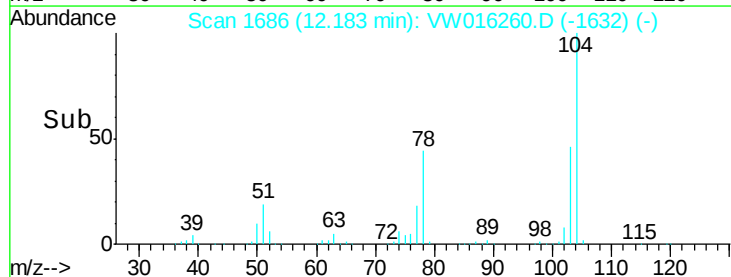
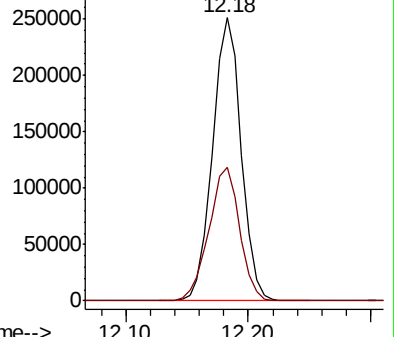
104 100

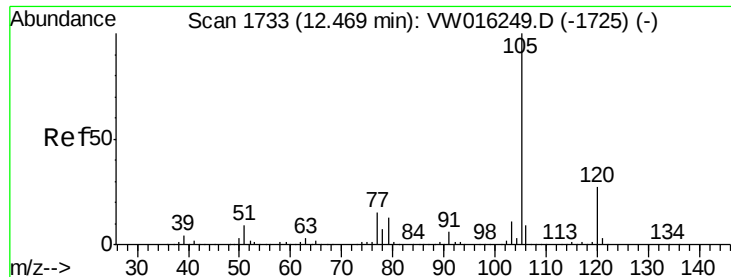
78 47.2 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.297 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

Instrument :

MSVOA_W

ClientSampled :

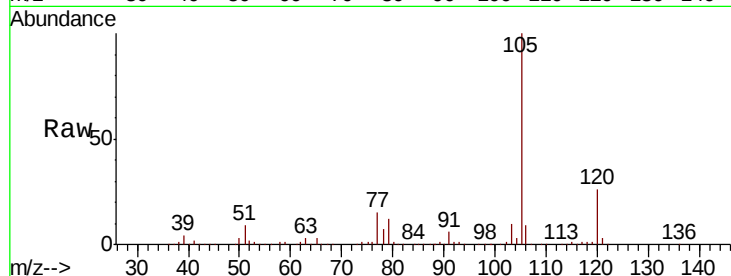
Tot Ion:105 Resp: 649566

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

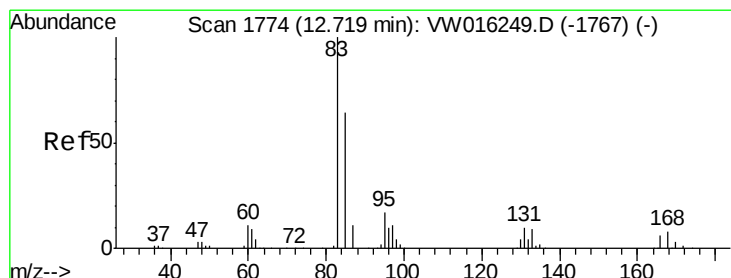
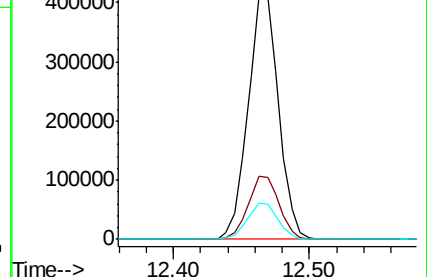
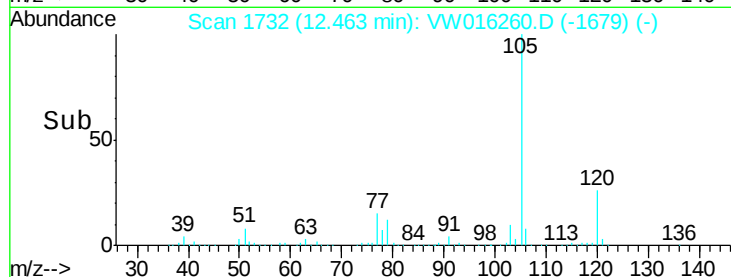
77 14.9 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.660 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

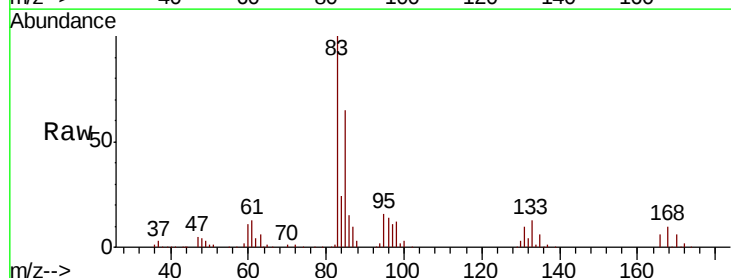
Tgt Ion: 83 Resp: 116113

Ion Ratio Lower Upper

83 100

85 64.6 42.4 78.8

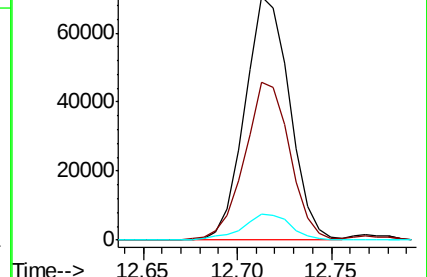
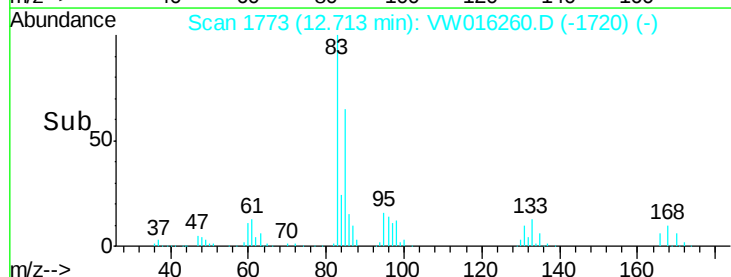
131 10.5 7.8 11.8

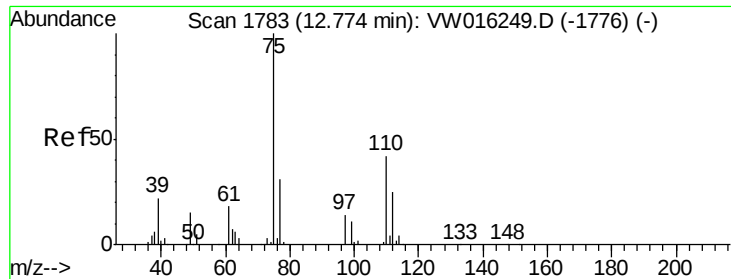


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.656 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

Instrument :

MSVOA_W

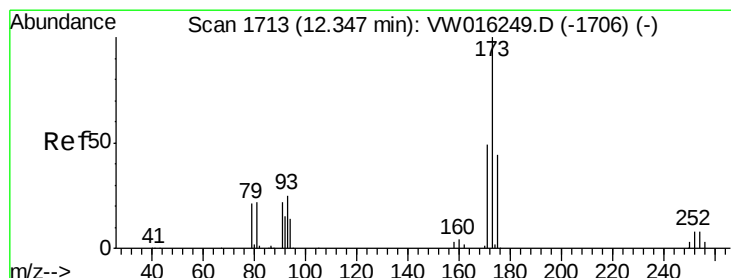
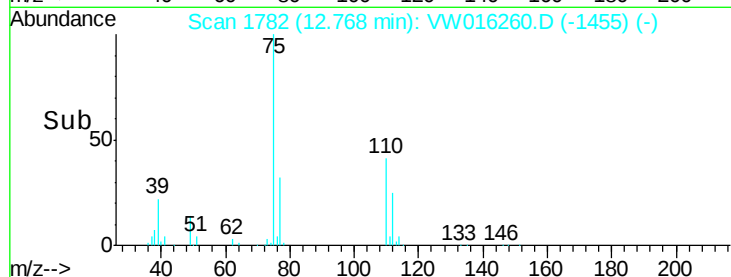
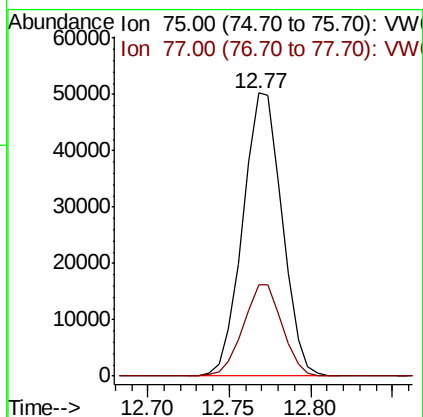
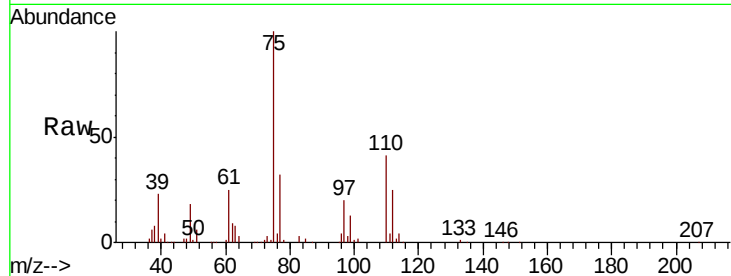
ClientSampled :

Tot Ion: 75 Resp: 84526

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#62

Bromoform

Concen: 26.729 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

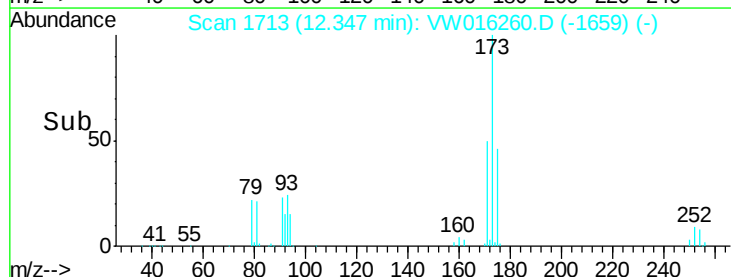
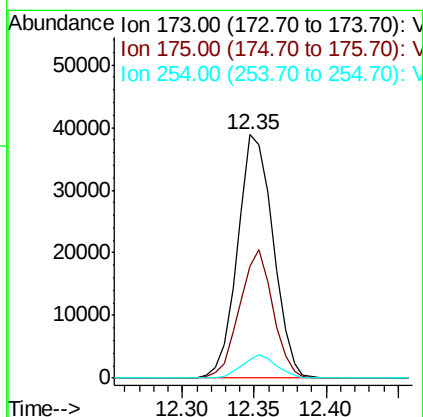
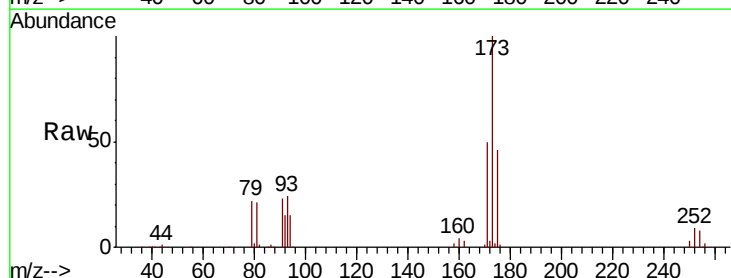
Tgt Ion: 173 Resp: 66647

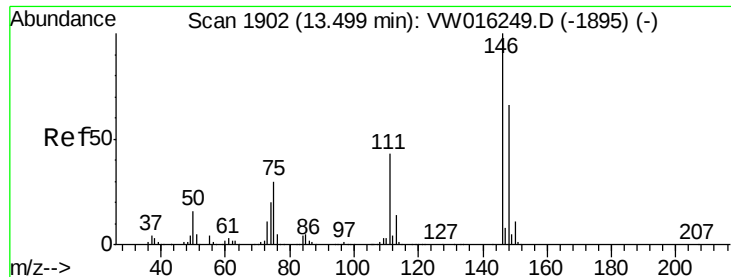
Ion Ratio Lower Upper

173 100

175 49.3 37.8 56.6

254 9.1 6.8 10.2

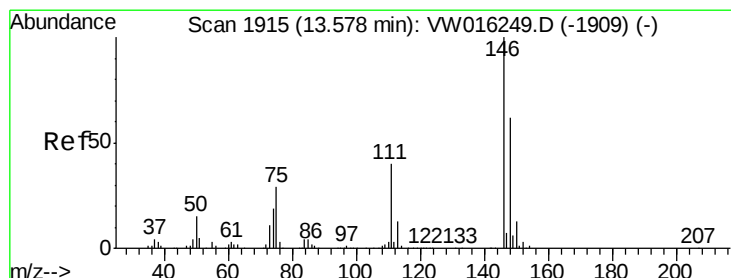
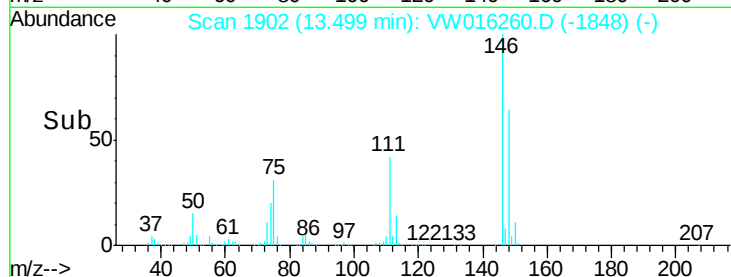
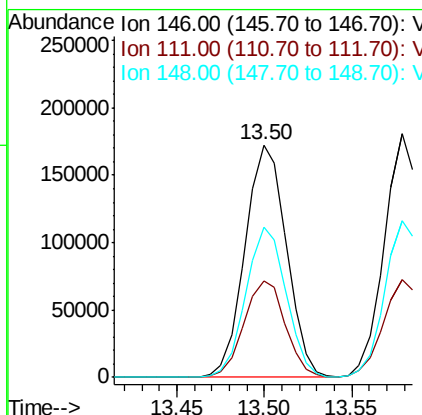
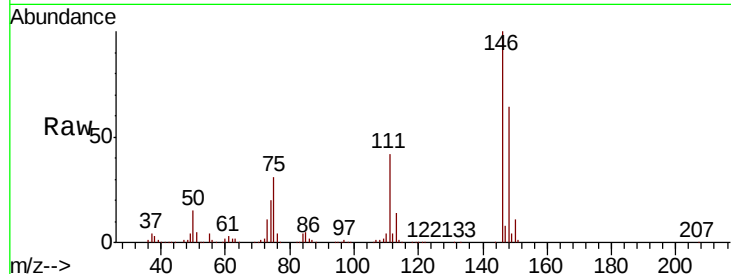




#63
 1,3-Dichlorobenzene
 Concen: 27.328 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

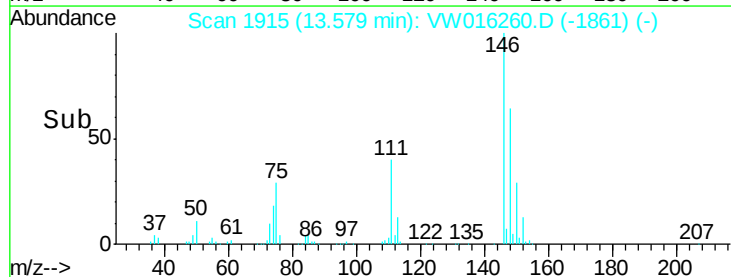
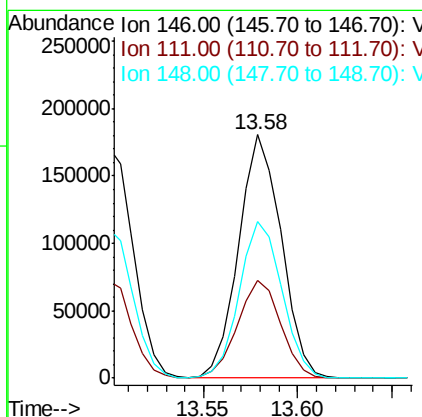
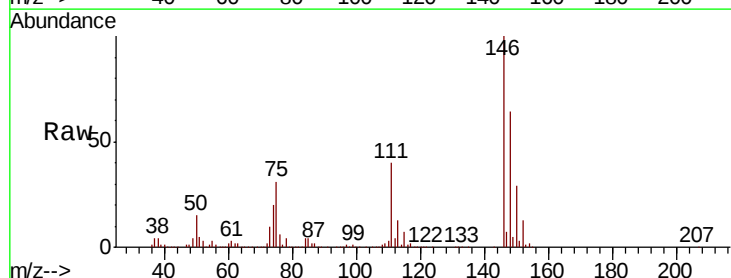
Instrument :
 MSVOA_W
 ClientSampleId :

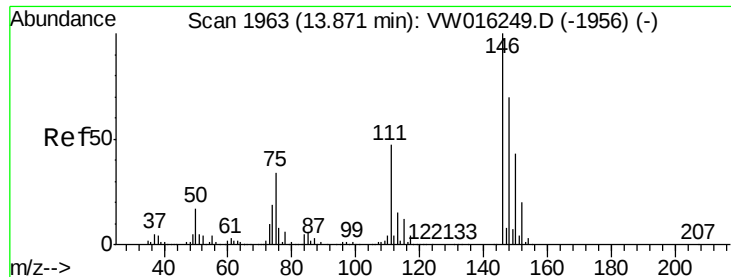
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	28.9	53.7
148	64.5	44.7	82.9



#64
 1,4-Dichlorobenzene
 Concen: 26.811 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	28.6	53.2
148	64.4	47.7	88.5

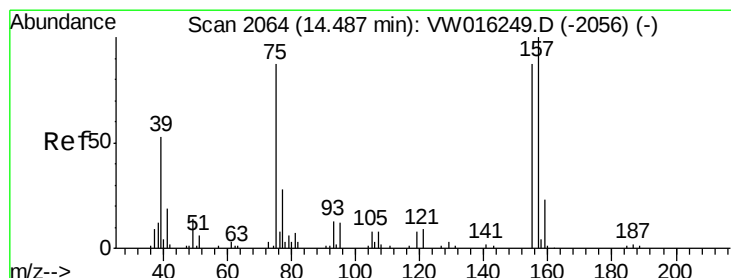
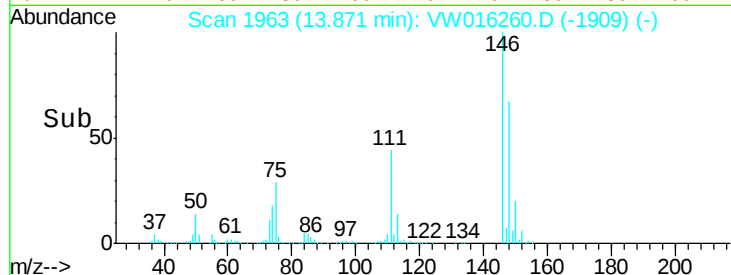
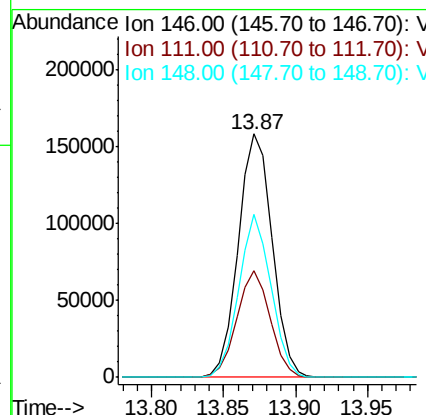
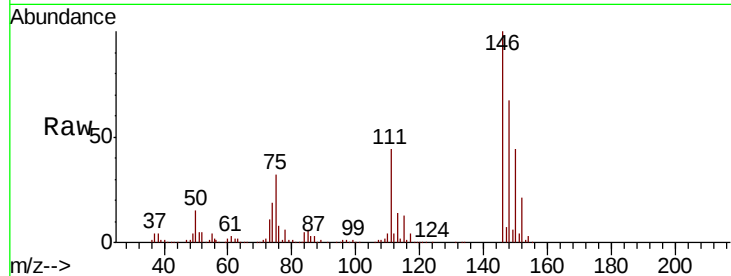




#65
 1,2-Dichlorobenzene
 Concen: 27.139 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

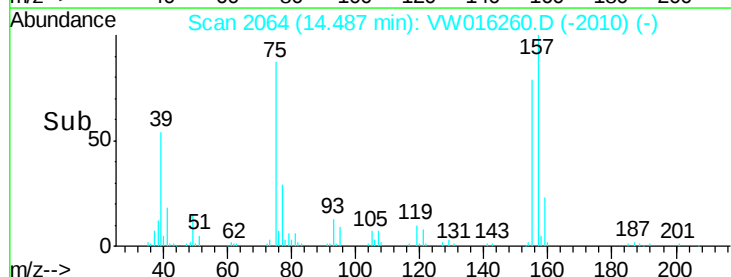
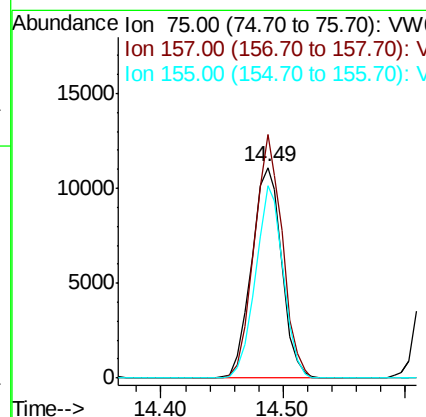
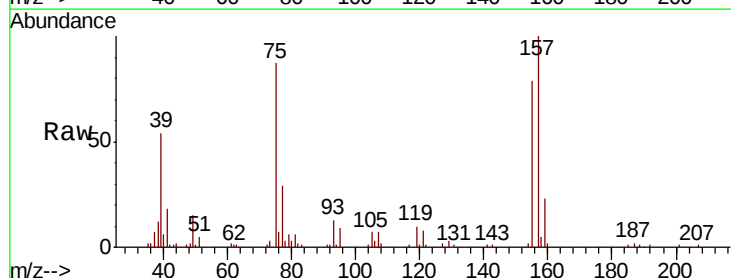
Instrument :
 MSVOA_W
 ClientSampled :

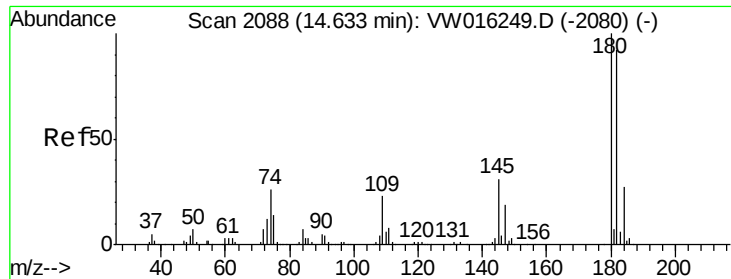
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	35.3	52.9
148	66.7	49.0	73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.709 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

Tgt Ion	Ratio	Lower	Upper
75	100		
157	115.5	73.9	110.9#
155	91.5	63.4	95.2

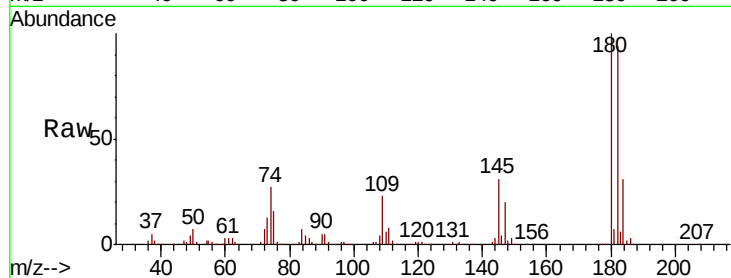




#67
 1,3,5-Trichlorobenzene
 Concen: 28.834 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	76.3	114.5
184	31.0	25.1	37.7
145	32.7	26.9	40.3

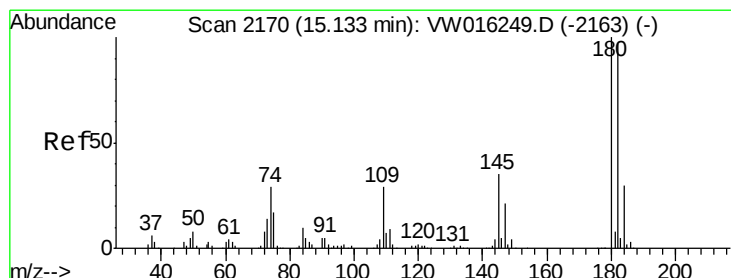
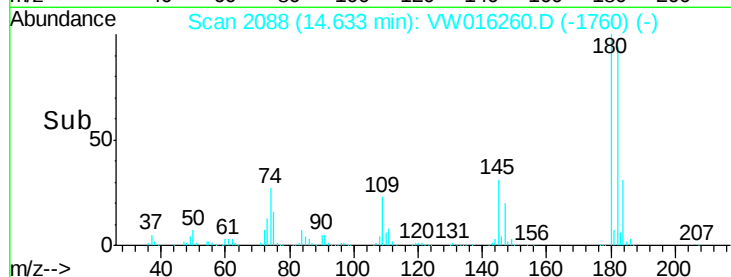
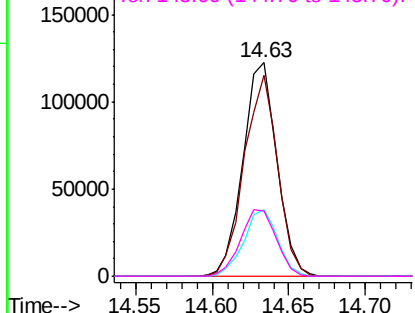


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

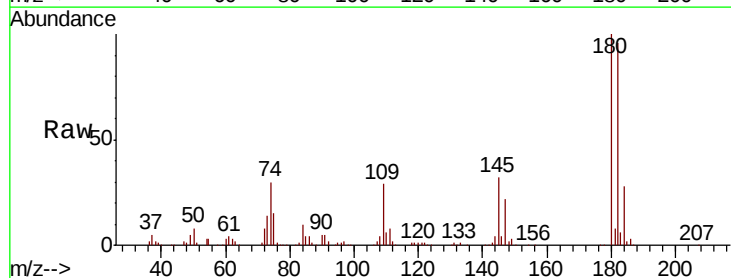
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.716 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016260.D
 Acq: 20 Aug 2020 10:30

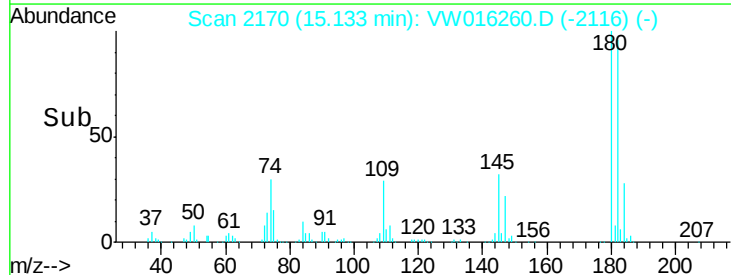
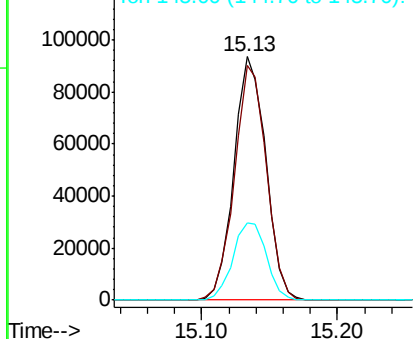
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.8	116.8
145	33.3	26.5	39.7

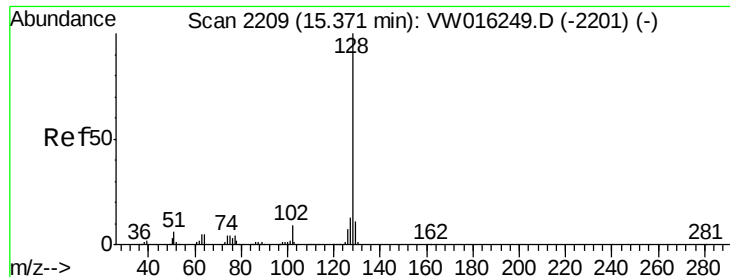


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.873 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

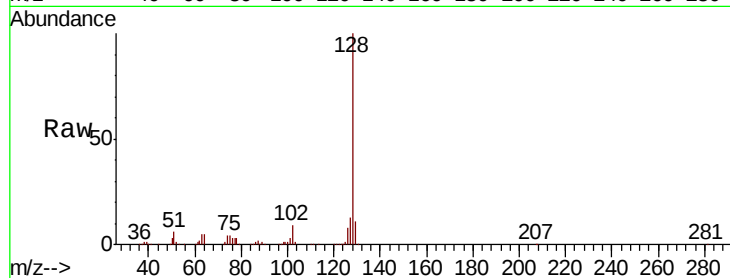
Tot Ion:128 Resp: 313356

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

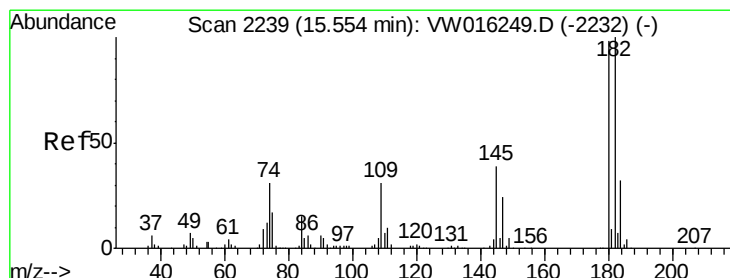
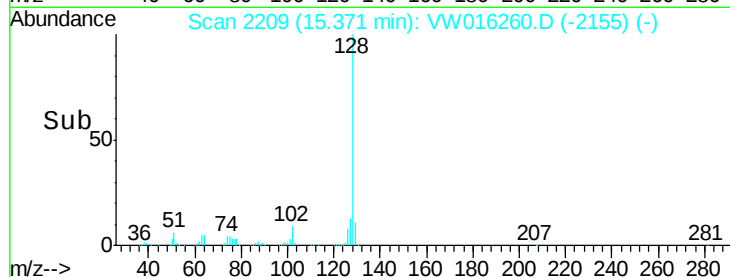
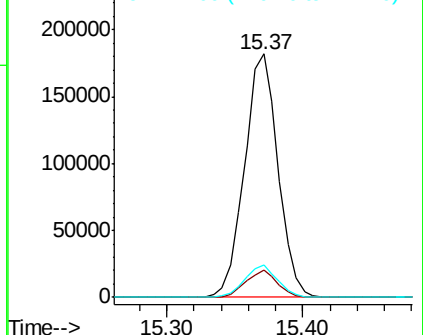
127 12.9 10.3 15.5



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: 28.512 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016260.D

Acq: 20 Aug 2020 10:30

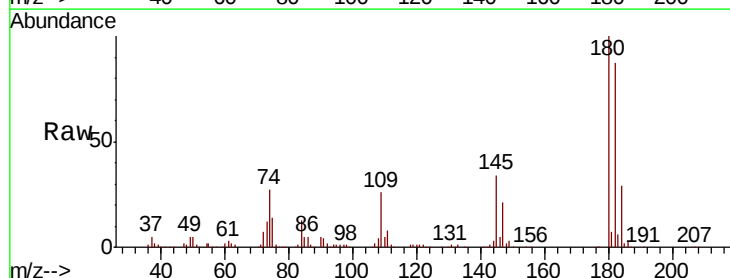
Tgt Ion:180 Resp: 137964

Ion Ratio Lower Upper

180 100

182 91.3 76.0 114.0

145 35.1 29.9 44.9



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

