

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082020\
 Data File : VW016274.D
 Acq On : 20 Aug 2020 18:44
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 21 03:31:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 21 03:27:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	351957	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	328018	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	158926	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	72870	16.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.80%
7) Chloroethane-d5	2.89	69	62644	18.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.64%
10) 1,1-Dichloroethene-d2	4.02	63	185153	19.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.92%
20) 2-Butanone-d5	7.08	46	65193	56.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.56%
24) Chloroform-d	7.65	84	216166	22.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.56%
26) 1,2-Dichloroethane-d4	8.31	65	111815	22.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.16%
29) Benzene-d6	8.27	84	405355	22.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.88%
33) 1,2-Dichloropropane-d6	9.27	67	121567	23.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.68%
37) Toluene-d8	10.32	98	379000	23.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.64%
38) trans-1,3-Dichloropropene-	10.58	79	54965	23.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.24%
39) 2-Hexanone-d5	10.93	63	56657	62.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	119970	28.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	139564	24.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	88059	24.767	ug/L 98
3) Chloromethane	2.21	50	71618	20.284	ug/L 99
5) Vinyl chloride	2.37	62	102537	21.881	ug/L 99
6) Bromomethane	2.78	94	65961	22.475	ug/L 98
8) Chloroethane	2.93	64	58447	22.149	ug/L 99
9) Trichlorofluoromethane	3.26	101	101667	30.394	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	117108	24.773	ug/L 96
12) 1,1-Dichloroethene	4.04	96	111240	24.626	ug/L 92
13) Acetone	4.12	43	47169	54.304	ug/L 93
14) Carbon disulfide	4.39	76	336095	23.703	ug/L 99
15) Methyl Acetate	4.67	43	50745	24.846	ug/L 96
16) Methylene chloride	4.92	84	141668	25.492	ug/L 93
17) Methyl tert-butyl Ether	5.43	73	168233	26.281	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	119659	25.182	ug/L 86
19) 1,1-Dichloroethane	6.22	63	199927	23.780	ug/L 96
21) 2-Butanone	7.17	43	67609	49.111	ug/L 93
22) cis-1,2-Dichloroethene	7.17	96	129069	25.748	ug/L 93

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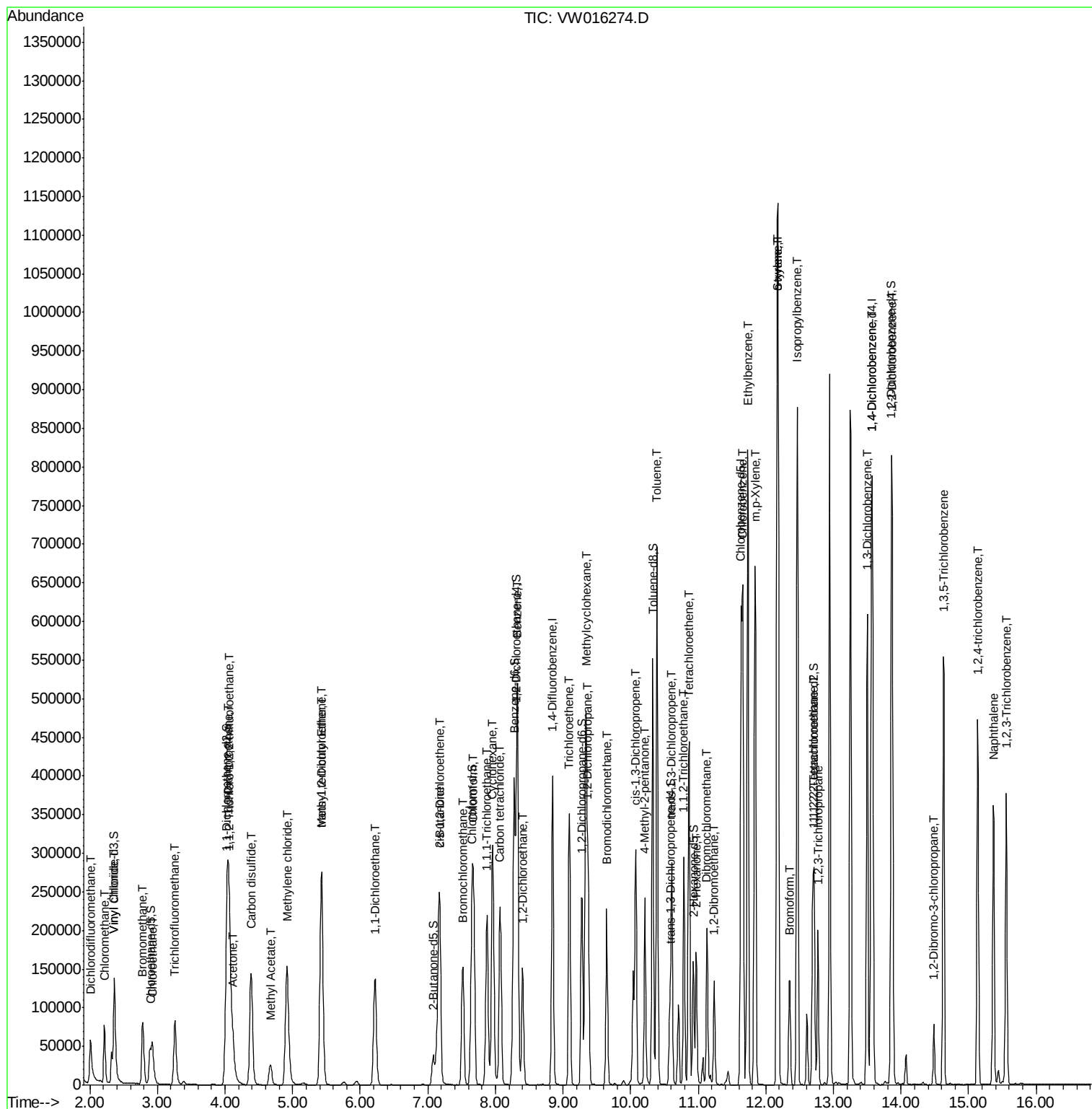
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	59909	26.040	ug/L	88
25) Chloroform	7.68	83	217430	24.309	ug/L	99
27) 1,2-Dichloroethane	8.40	62	137604	23.095	ug/L #	94
30) Cyclohexane	7.96	56	171085	23.971	ug/L	95
31) 1,1,1-Trichloroethane	7.88	97	184859	24.526	ug/L	97
32) Carbon tetrachloride	8.07	117	176383	24.742	ug/L	98
34) Benzene	8.32	78	473121	25.012	ug/L	100
35) Trichloroethene	9.09	95	126865	24.943	ug/L	96
36) Methylcyclohexane	9.34	83	208223	24.851	ug/L	95
40) 1,2-Dichloropropane	9.37	63	114029	24.548	ug/L	98
41) Bromodichloromethane	9.65	83	155648	24.392	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	181827	25.702	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	144961	51.884	ug/L	95
44) Toluene	10.39	91	514468	25.765	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	164450	25.878	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	93697	25.625	ug/L	98
47) Tetrachloroethene	10.87	164	97845	25.661	ug/L	95
49) 2-Hexanone	10.97	43	101802	53.998	ug/L	96
50) Dibromochloromethane	11.13	129	113860	26.439	ug/L	97
51) 1,2-Dibromoethane	11.24	107	92691	26.739	ug/L #	99
52) Chlorobenzene	11.66	112	339479	25.695	ug/L	96
53) Ethylbenzene	11.73	91	575889	25.420	ug/L	100
54) m,p-Xylene	11.84	106	221459	25.986	ug/L	94
55) o-xylene	12.17	106	210920	26.276	ug/L	99
56) Styrene	12.18	104	368177	26.492	ug/L	96
57) Isopropylbenzene	12.46	105	584953	27.028	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	115065	26.970	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	85887	26.573	ug/L	99
62) Bromoform	12.35	173	63550	26.444	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	251706	25.076	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	260440	25.469	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	239455	26.019	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	20560	25.477	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	170910	26.984	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	144292	28.108	ug/L	97
69) Naphthalene	15.36	128	317697	29.320	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	134205	28.776	ug/L	99

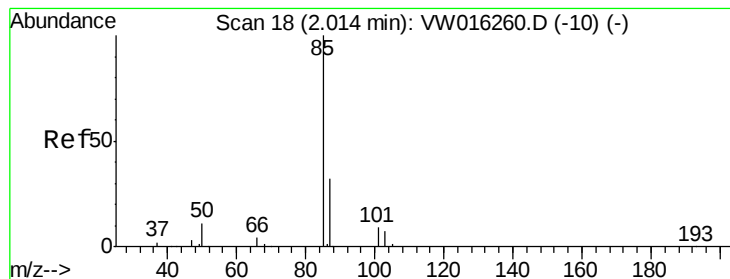
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.767 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

Instrument :

MSVOA_W

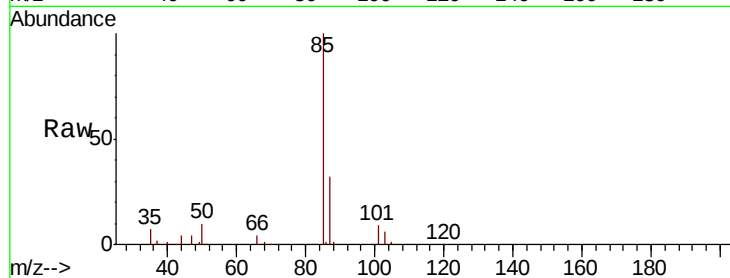
ClientSampleId :

Tot Ion: 85 Resp: 88059

Ion Ratio Lower Upper

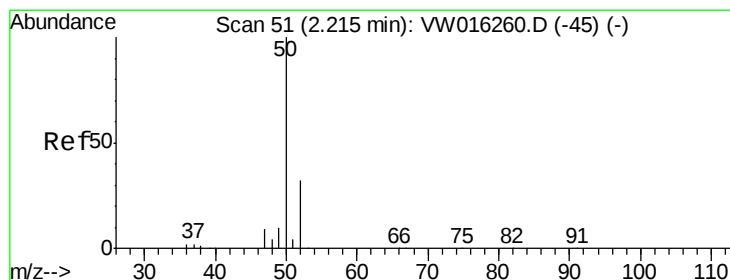
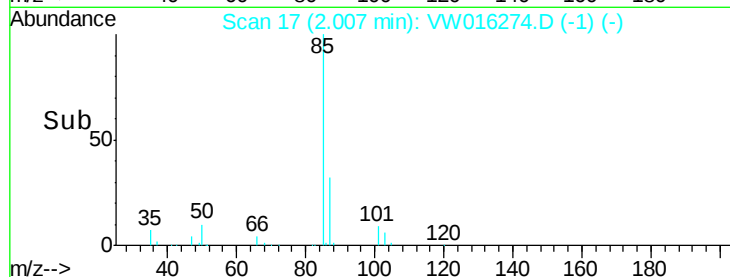
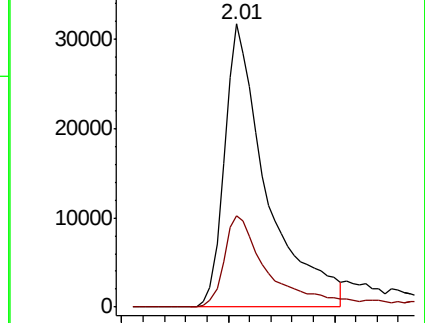
85 100

87 30.3 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: 20.284 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016274.D

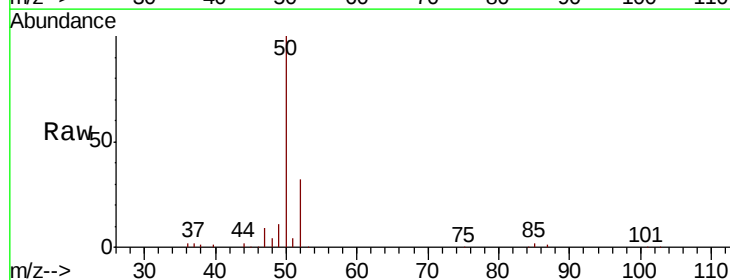
Acq: 20 Aug 2020 18:44

Tgt Ion: 50 Resp: 71618

Ion Ratio Lower Upper

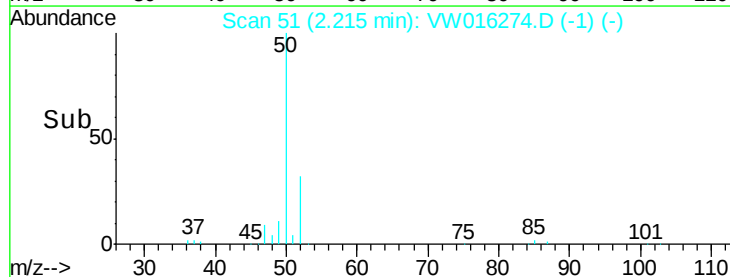
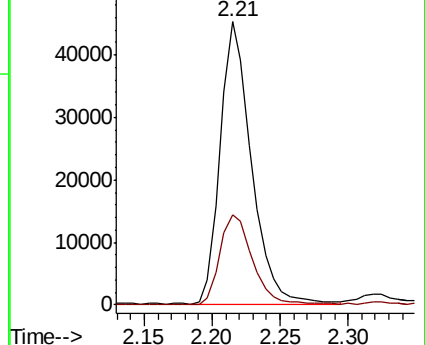
50 100

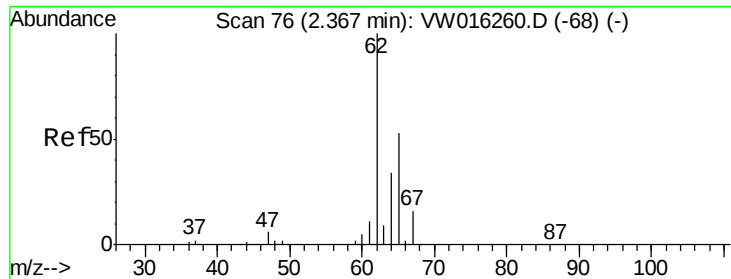
52 31.8 22.0 40.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.881 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

Instrument :

MSVOA_W

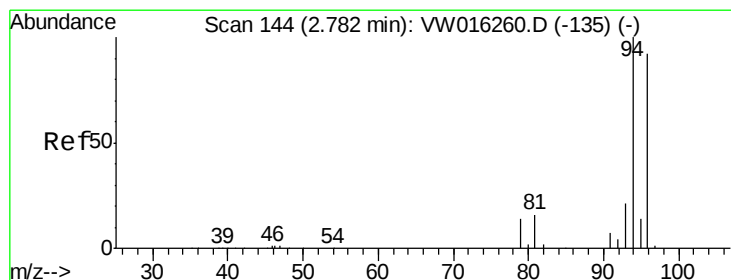
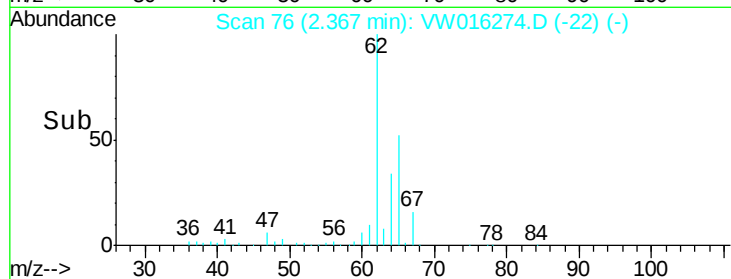
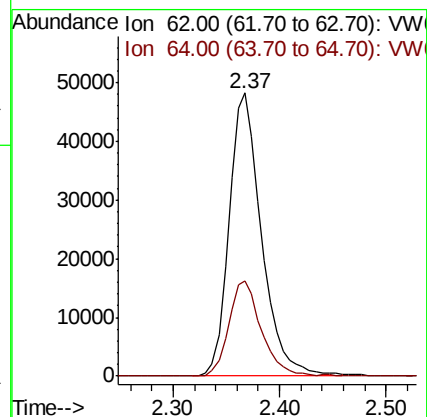
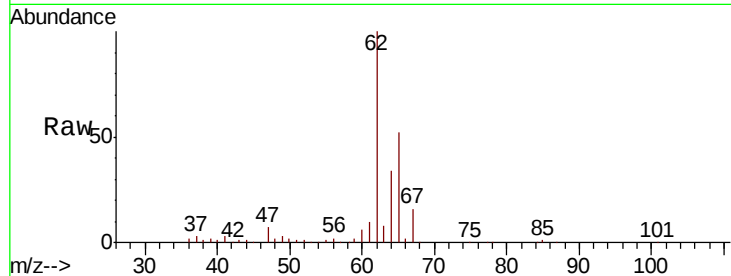
ClientSampled :

Tot Ion: 62 Resp: 102537

Ion Ratio Lower Upper

62 100

64 33.6 23.0 42.8



#6

Bromomethane

Concen: 22.475 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW016274.D

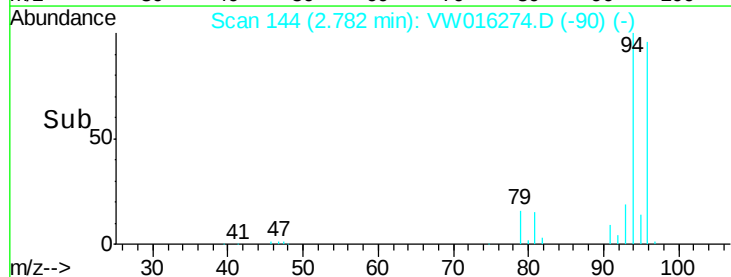
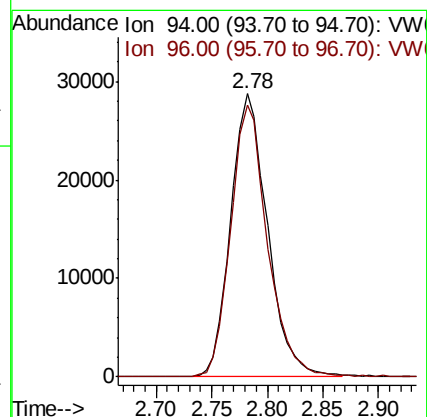
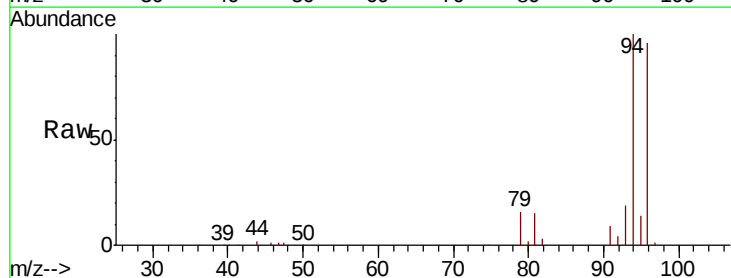
Acq: 20 Aug 2020 18:44

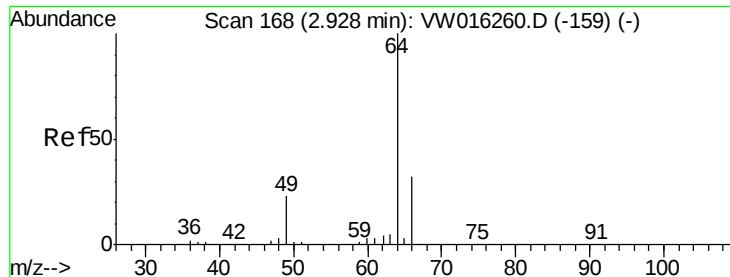
Tgt Ion: 94 Resp: 65961

Ion Ratio Lower Upper

94 100

96 95.7 9.4 178.2





#8

Chloroethane

Concen: 22.149 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

Instrument :

MSVOA_W

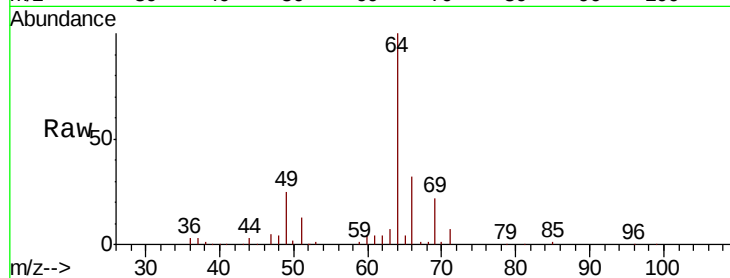
ClientSampleId :

Tot Ion: 64 Resp: 58447

Ion Ratio Lower Upper

64 100

66 31.6 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

25000

20000

15000

10000

5000

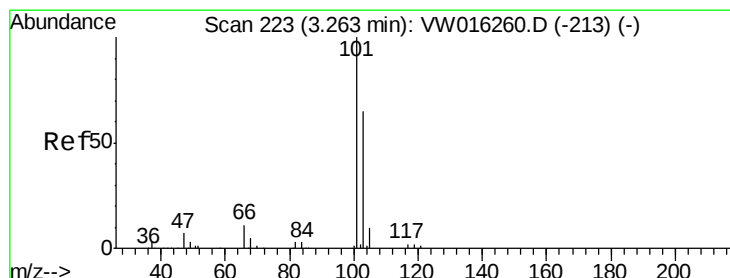
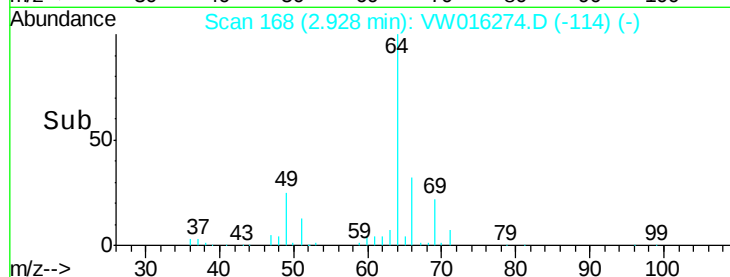
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Time-->

2.80

2.90

3.00



#9

Trichlorofluoromethane

Concen: 30.394 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW016274.D

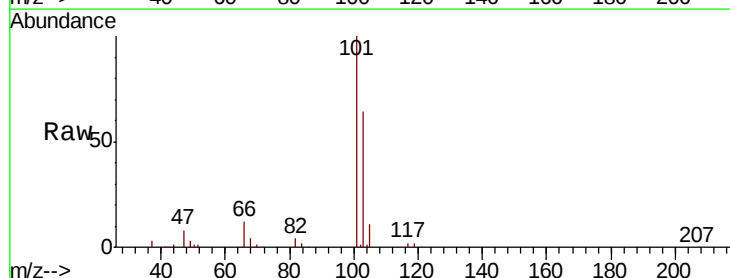
Acq: 20 Aug 2020 18:44

Tgt Ion:101 Resp: 101667

Ion Ratio Lower Upper

101 100

103 65.4 45.6 84.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

40000

30000

20000

10000

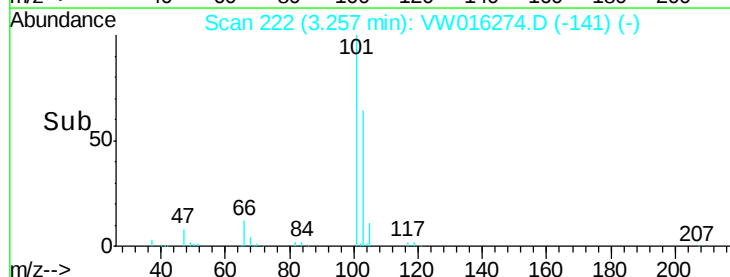
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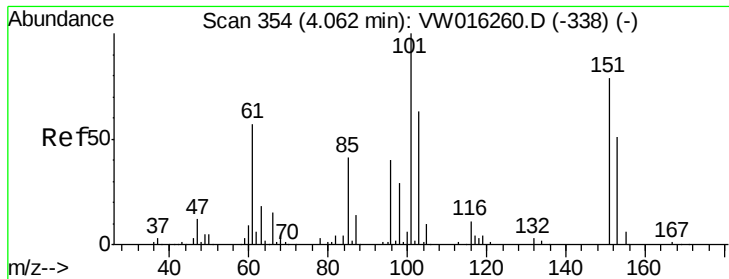
Time-->

3.20

3.30

3.40





#11

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

Concen: 24.773 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW016274.D

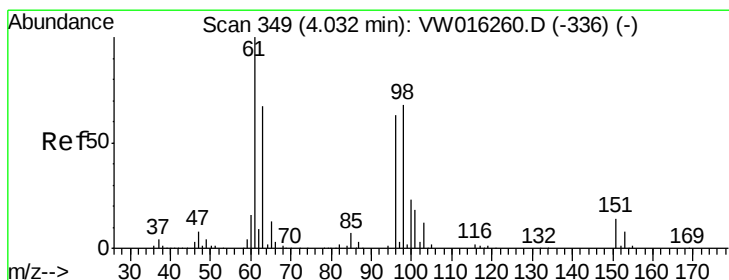
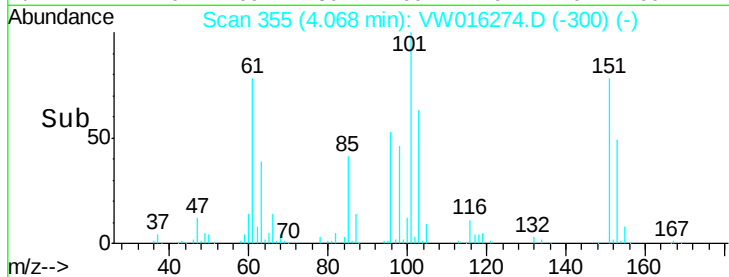
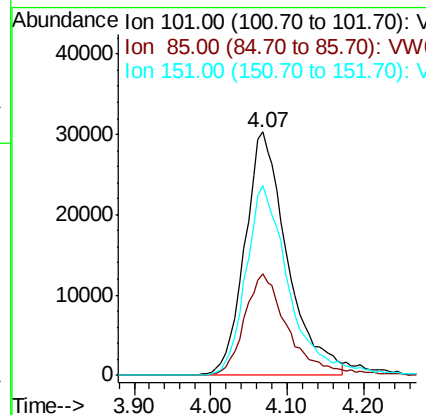
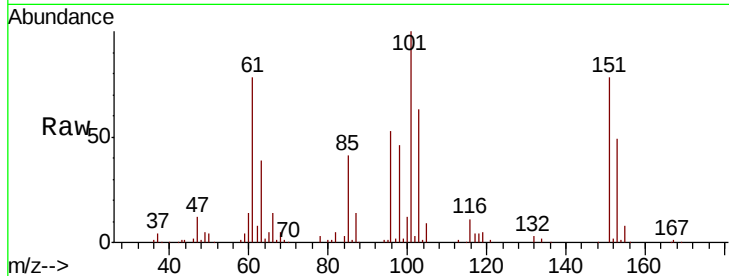
Acq: 20 Aug 2020 18:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	101	Resp:	117108
Ion	Ratio	Lower	Upper
101	100		
85	41.7	34.2	51.4
151	76.0	57.4	86.2



#12

1,1-Dichloroethene

Concen: 24.626 ug/L

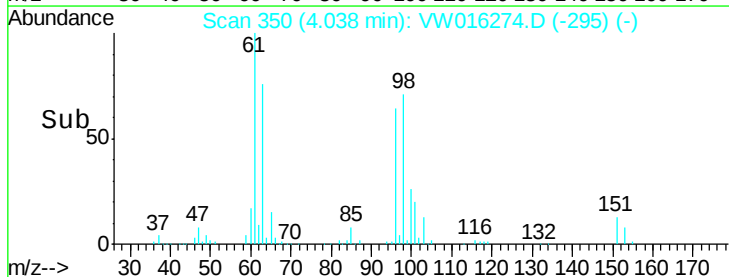
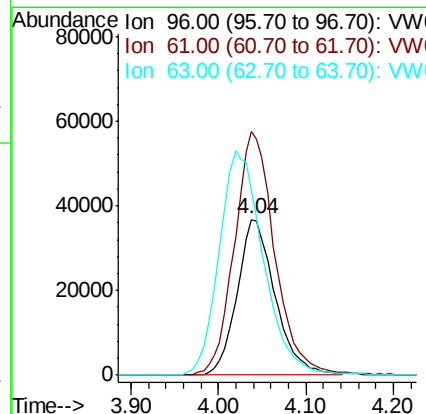
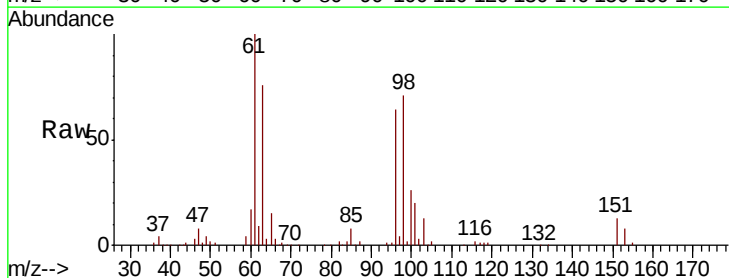
RT: 4.04 min Scan# 350

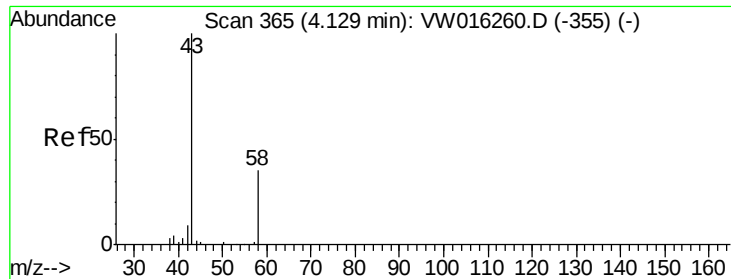
Delta R.T. 0.01 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

Tgt Ion:	96	Resp:	111240
Ion	Ratio	Lower	Upper
96	100		
61	156.3	120.2	223.2
63	118.6	86.4	160.4

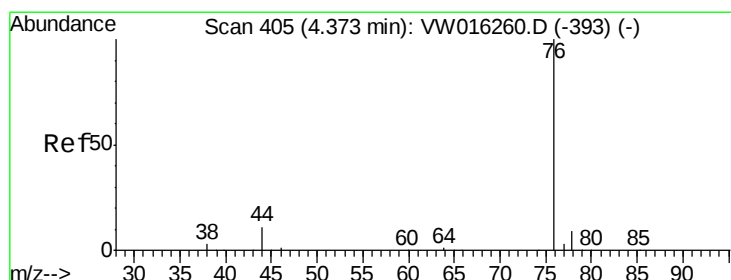
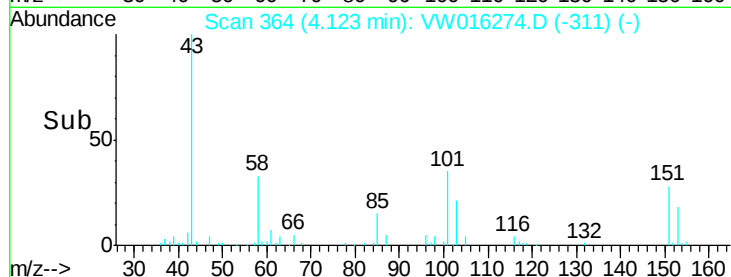
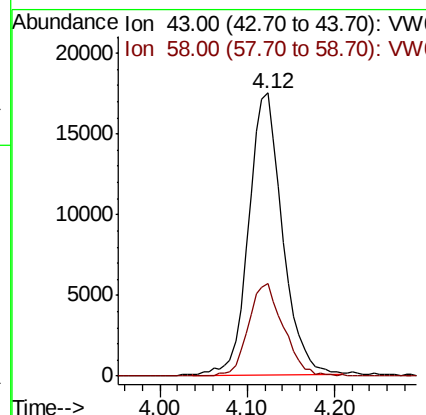
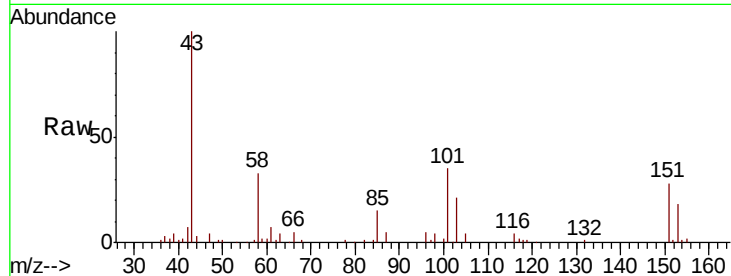




#13
Acetone
Concen: 54.304 ug/L
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW016274.D
Acq: 20 Aug 2020 18:44

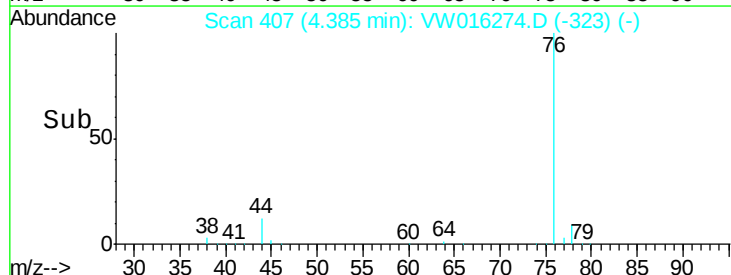
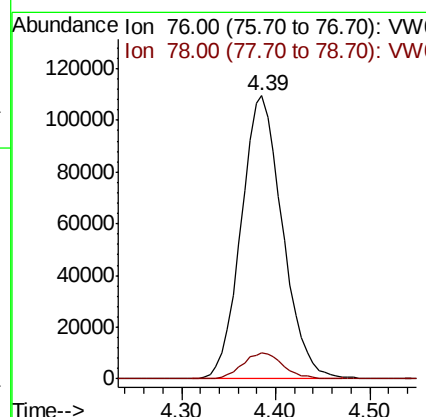
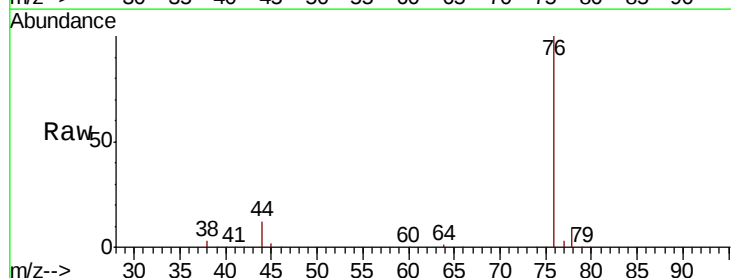
Instrument :
MSVOA_W
ClientSampled :

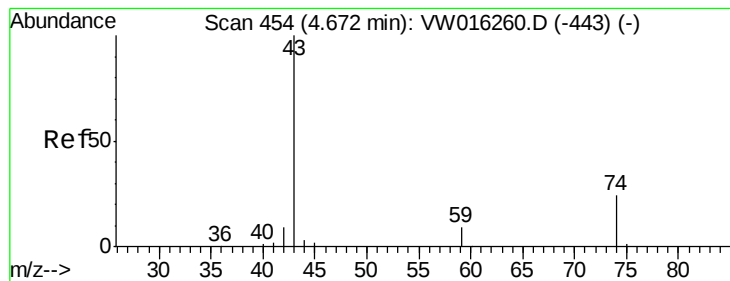
Tot Ion: 43 Resp: 47169
Ion Ratio Lower Upper
43 100
58 33.6 0.0 59.4



#14
Carbon disulfide
Concen: 23.703 ug/L
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW016274.D
Acq: 20 Aug 2020 18:44

Tgt Ion: 76 Resp: 336095
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4





#15

Methvl Acetate

Concen: 24.846 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

Instrument :

MSVOA_W

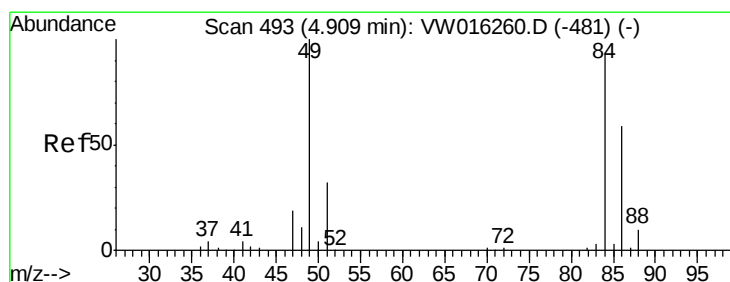
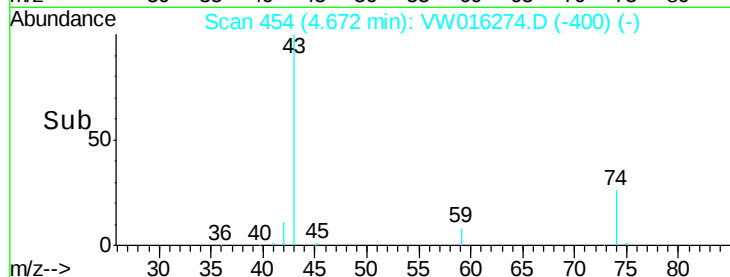
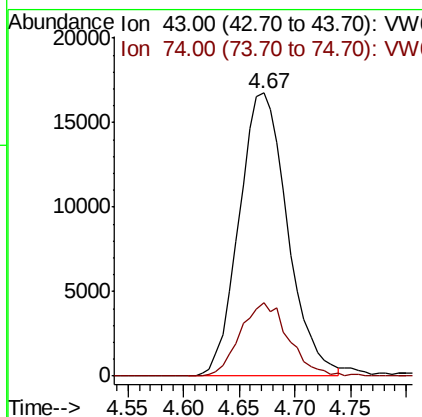
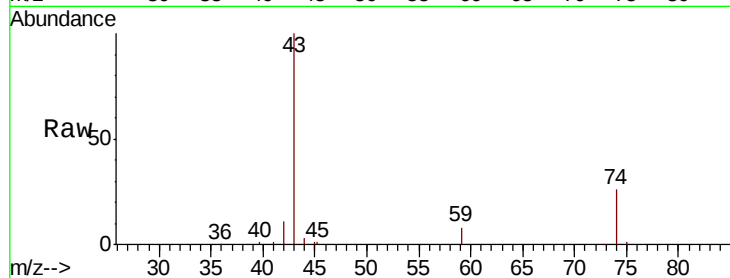
ClientSampleId :

Tot Ion: 43 Resp: 50745

Ion Ratio Lower Upper

43 100

74 25.8 18.9 28.3



#16

Methylene chloride

Concen: 25.492 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

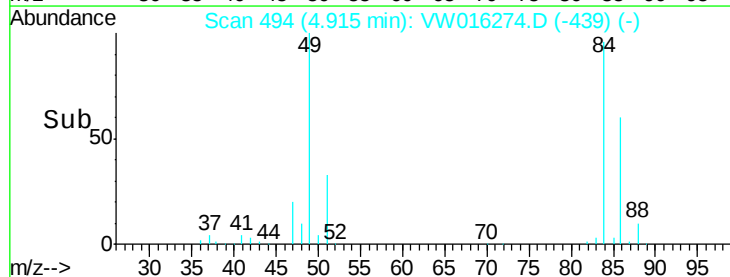
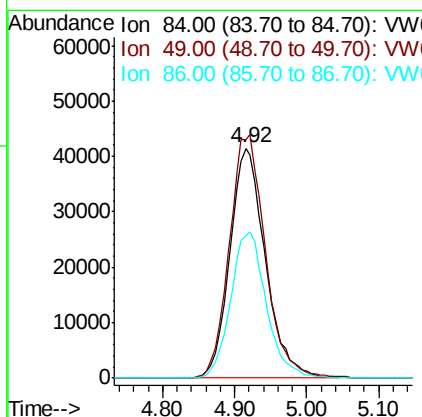
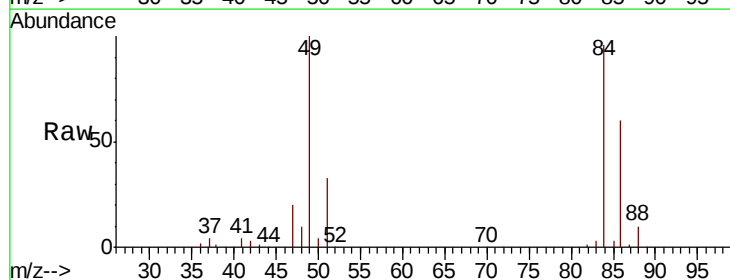
Tgt Ion: 84 Resp: 141668

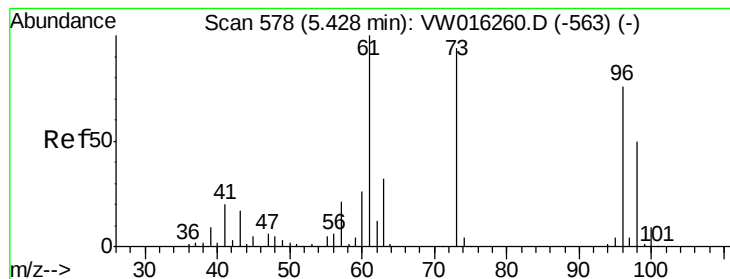
Ion Ratio Lower Upper

84 100

49 103.6 80.4 149.4

86 62.1 43.8 81.3





#17

Methvl tert-butvl Ether

Concen: 26.281 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

Instrument :

MSVOA_W

ClientSampleId :

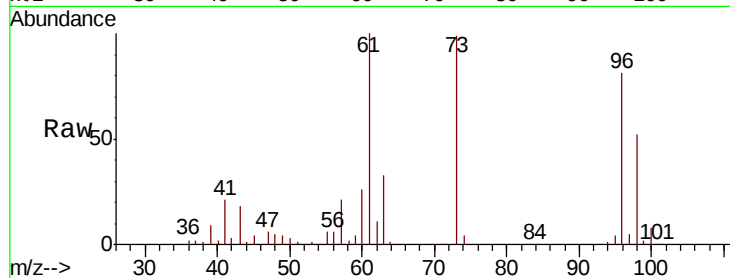
Tot Ion: 73 Resp: 168233

Ion Ratio Lower Upper

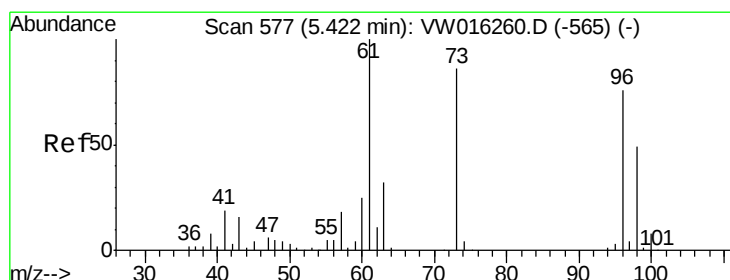
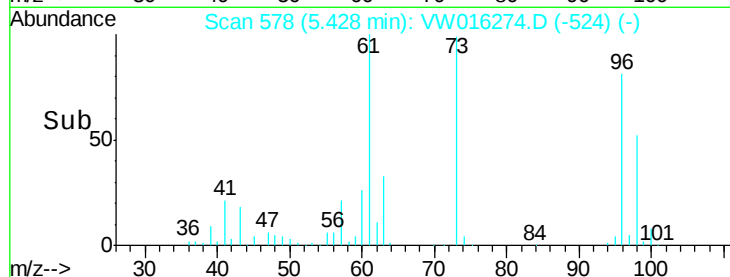
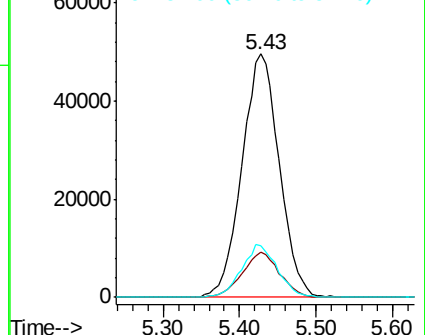
73 100

43 18.5 16.6 24.8

57 20.6 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: 25.182 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

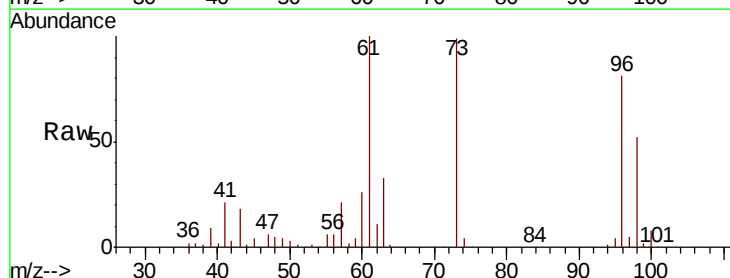
Tgt Ion: 96 Resp: 119659

Ion Ratio Lower Upper

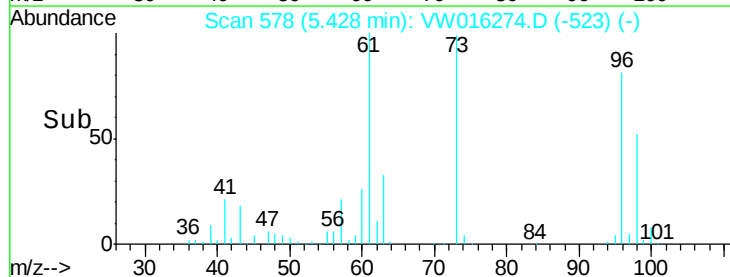
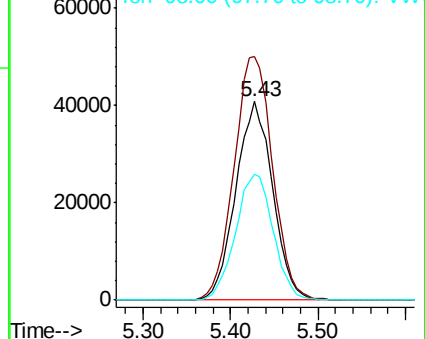
96 100

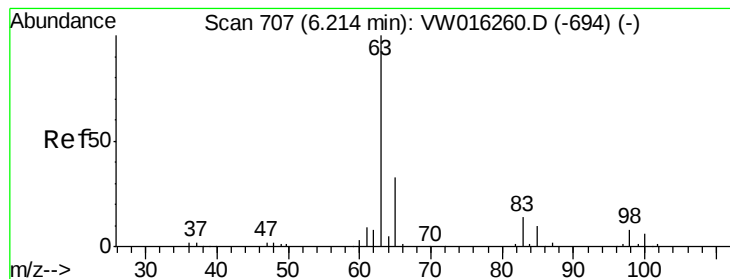
61 122.7 101.6 188.8

98 63.2 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: 23.780 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

Instrument :

MSVOA_W

ClientSampleId :

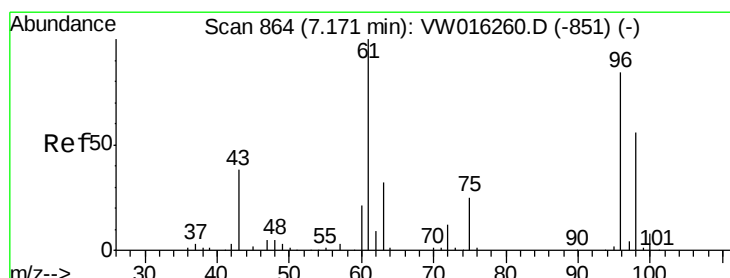
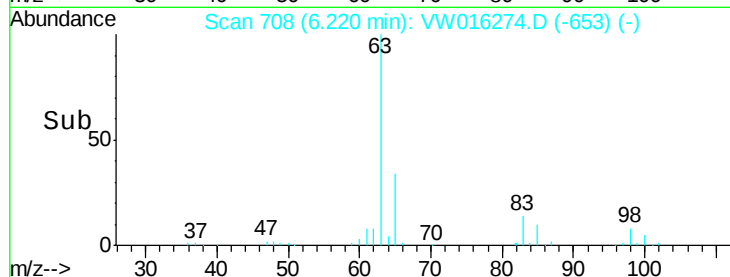
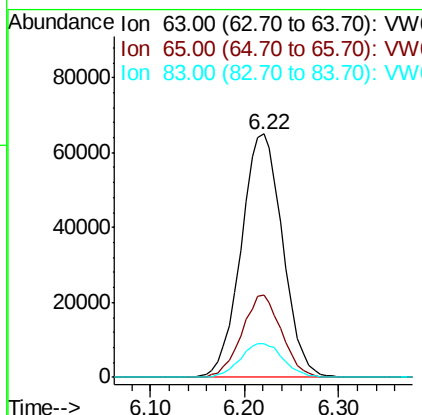
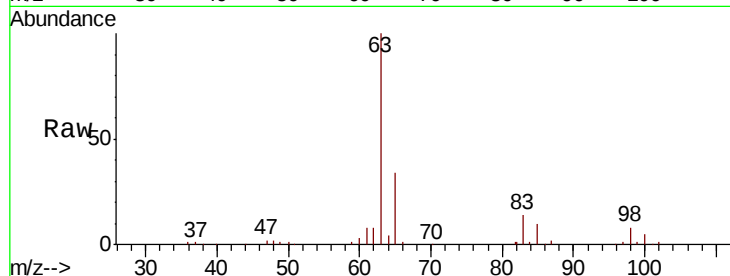
Tot Ion: 63 Resp: 199927

Ion Ratio Lower Upper

63 100

65 33.8 21.6 40.0

83 14.0 9.8 18.2



#21

2-Butanone

Concen: 49.111 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW016274.D

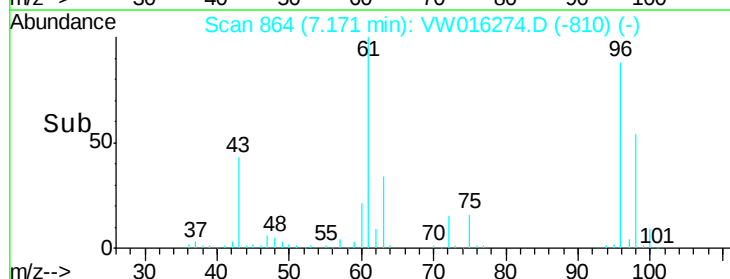
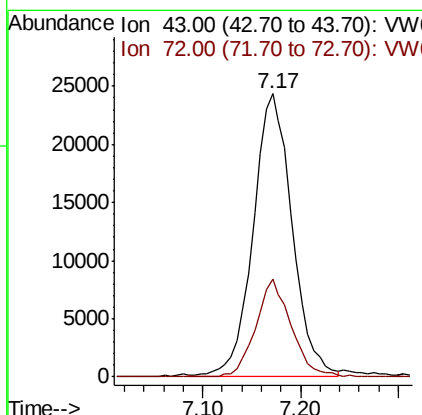
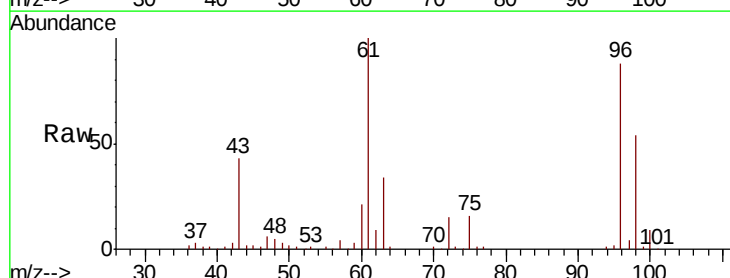
Acq: 20 Aug 2020 18:44

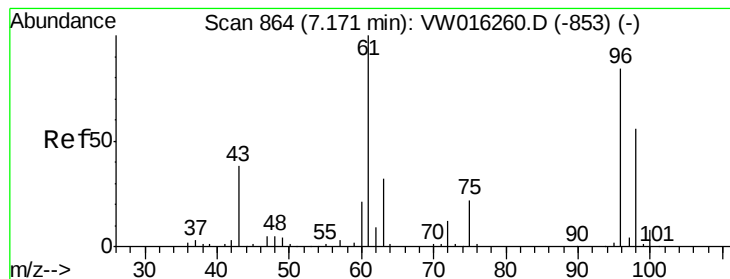
Tgt Ion: 43 Resp: 67609

Ion Ratio Lower Upper

43 100

72 31.4 13.9 41.7



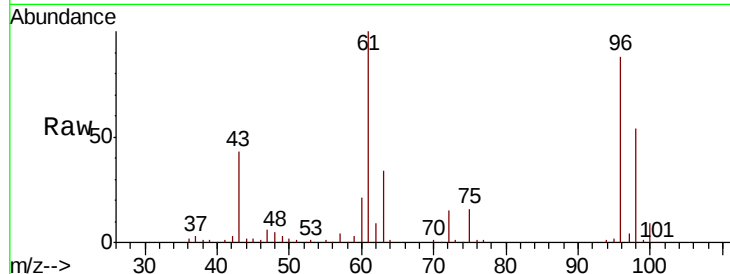


#22

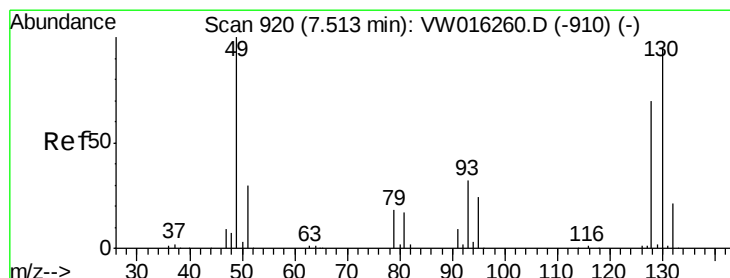
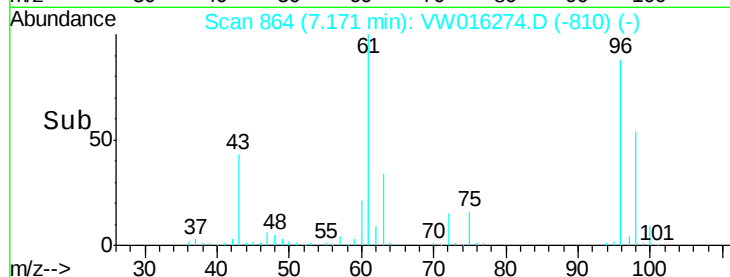
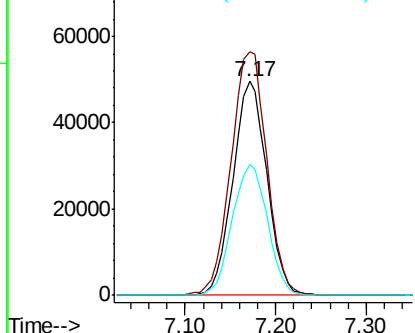
cis-1,2-Dichloroethene
Concen: 25.748 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW016274.D
Acq: 20 Aug 2020 18:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 129069
Ion Ratio Lower Upper
96 100
61 113.8 87.0 161.6
98 61.3 44.0 81.6



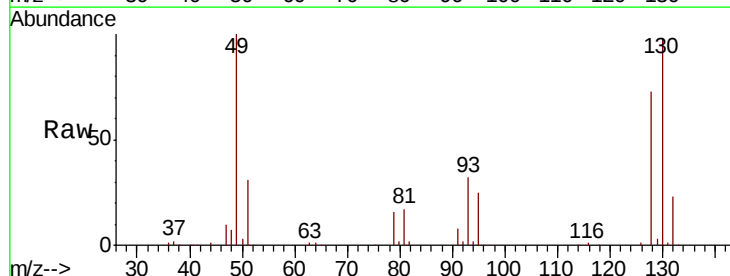
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



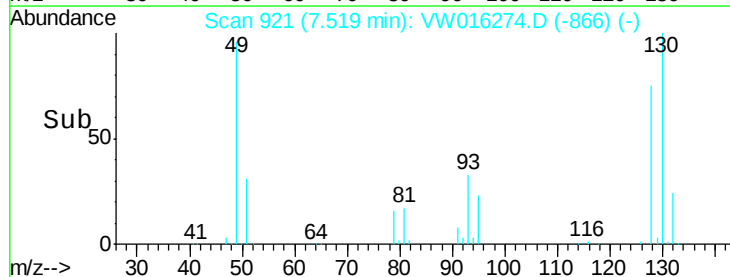
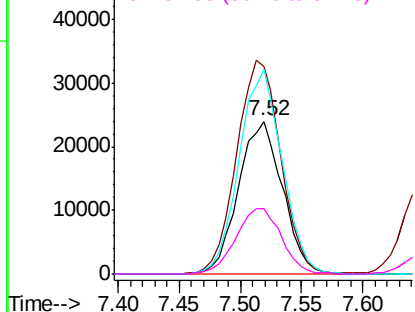
#23

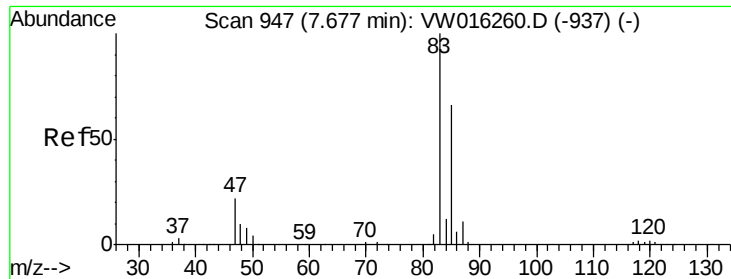
Bromochloromethane
Concen: 26.040 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW016274.D
Acq: 20 Aug 2020 18:44

Tgt Ion: 128 Resp: 59909
Ion Ratio Lower Upper
128 100
49 136.4 111.8 207.6
130 134.1 90.6 168.3
51 42.9 42.6 63.8



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

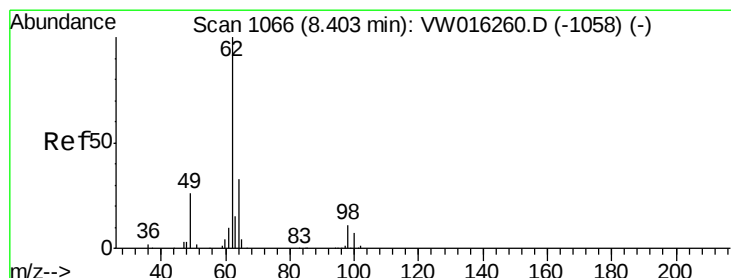
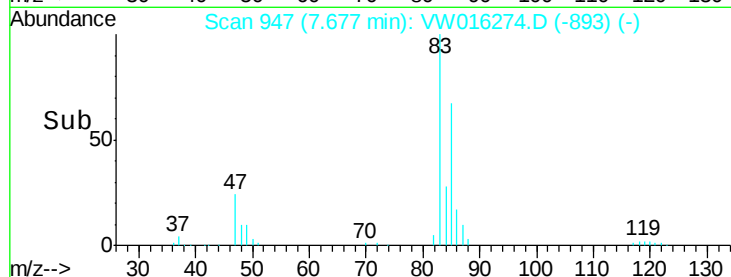
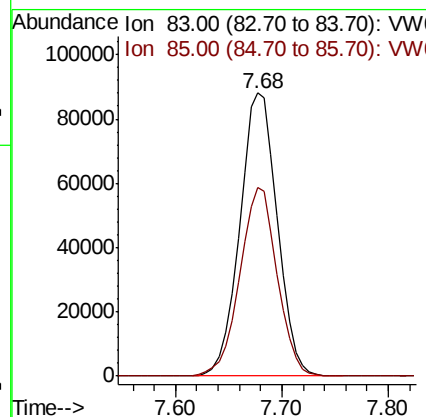
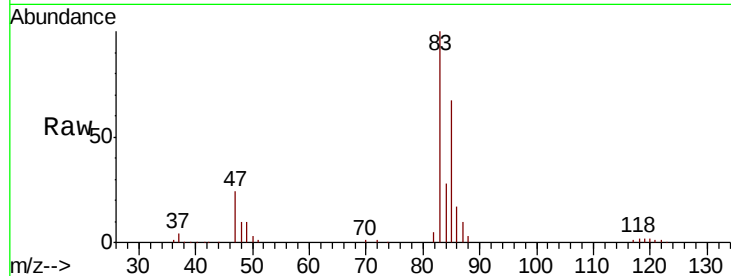




#25
Chloroform
Concen: 24.309 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016274.D
Acq: 20 Aug 2020 18:44

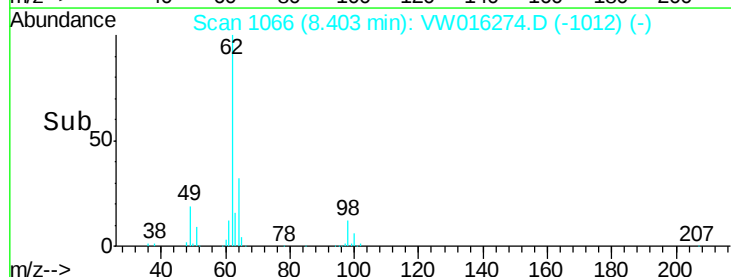
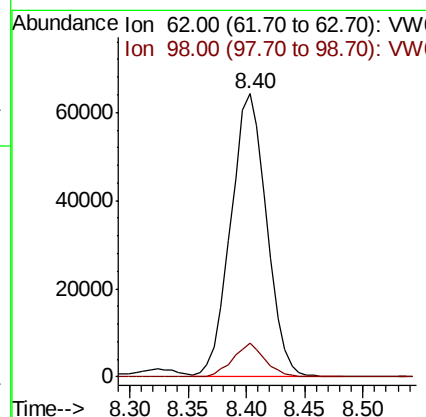
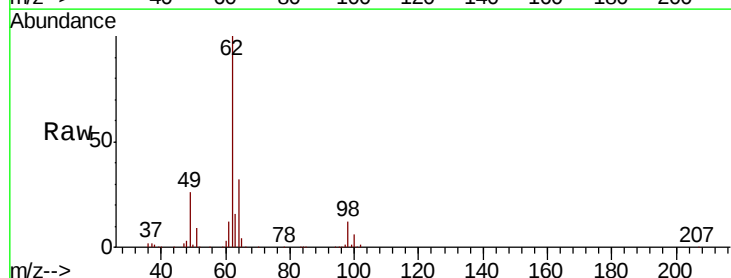
Instrument :
MSVOA_W
ClientSampleId :

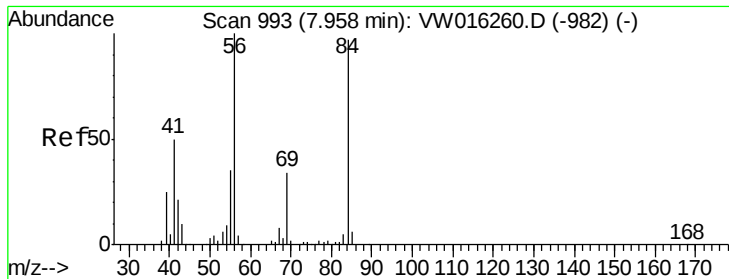
Tot Ion: 83 Resp: 217430
Ion Ratio Lower Upper
83 100
85 66.4 46.0 85.4



#27
1,2-Dichloroethane
Concen: 23.095 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016274.D
Acq: 20 Aug 2020 18:44

Tgt Ion: 62 Resp: 137604
Ion Ratio Lower Upper
62 100
98 11.9 7.7 11.5#

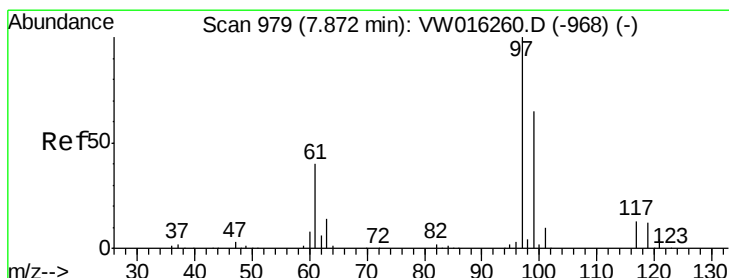
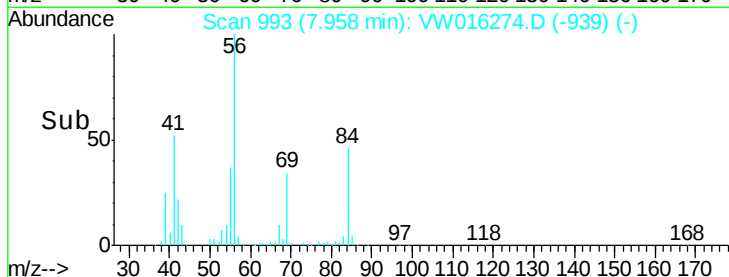
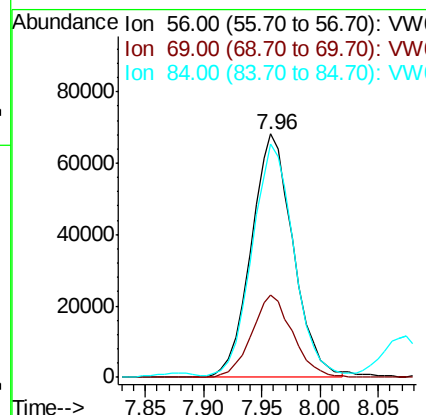
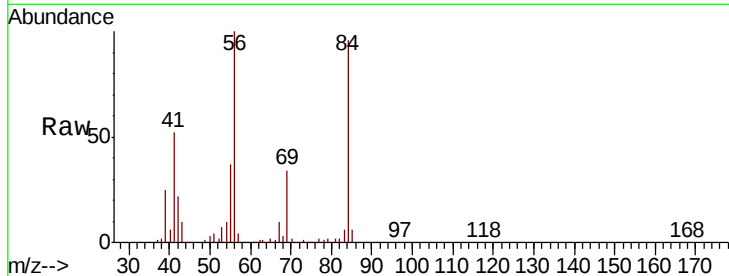




#30
Cyclohexane
Concen: 23.971 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW016274.D
Acq: 20 Aug 2020 18:44

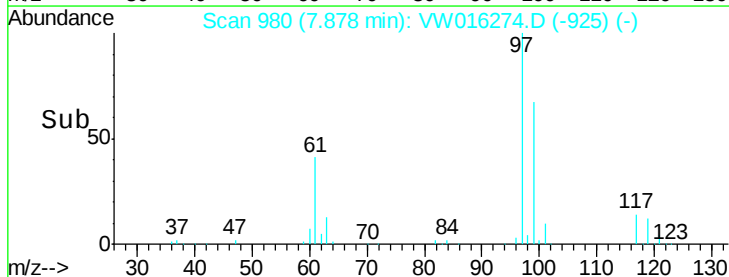
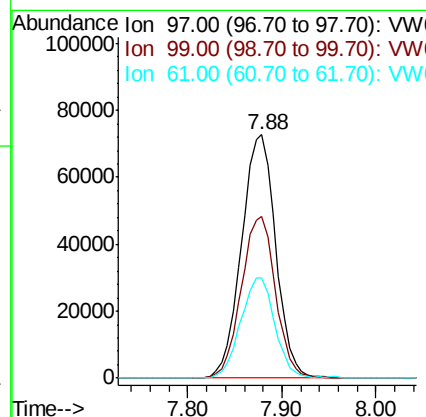
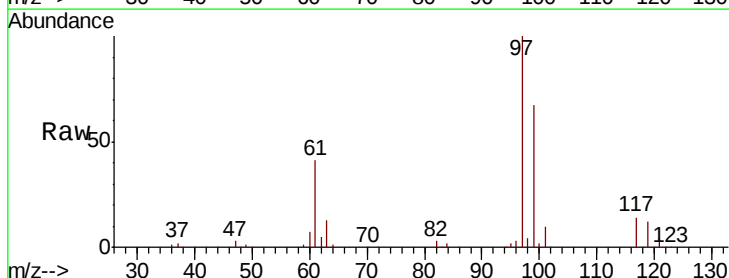
Instrument :
MSVOA_W
ClientSampleId :

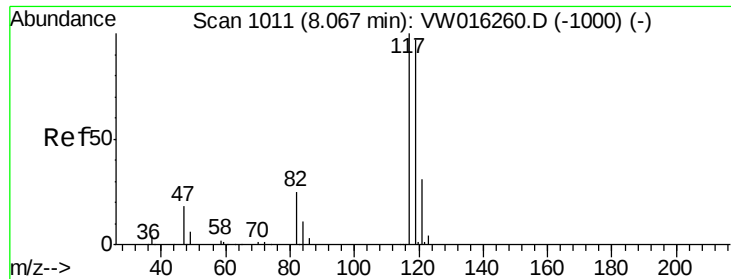
Tot Ion: 56 Resp: 171085
Ion Ratio Lower Upper
56 100
69 33.1 25.4 38.0
84 96.4 73.0 109.6



#31
1,1,1-Trichloroethane
Concen: 24.526 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW016274.D
Acq: 20 Aug 2020 18:44

Tgt Ion: 97 Resp: 184859
Ion Ratio Lower Upper
97 100
99 66.3 51.6 77.4
61 41.2 34.5 51.7





#32

Carbon tetrachloride

Concen: 24.742 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

Instrument :

MSVOA_W

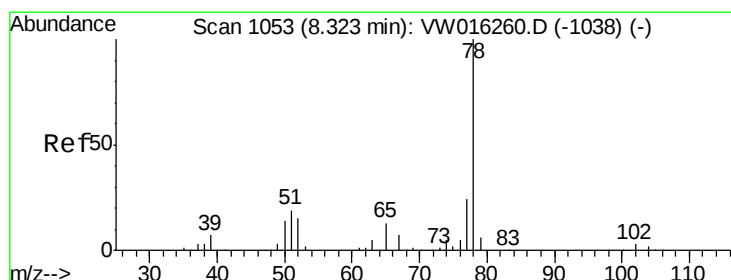
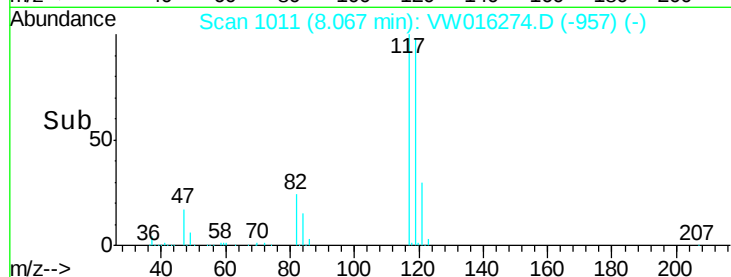
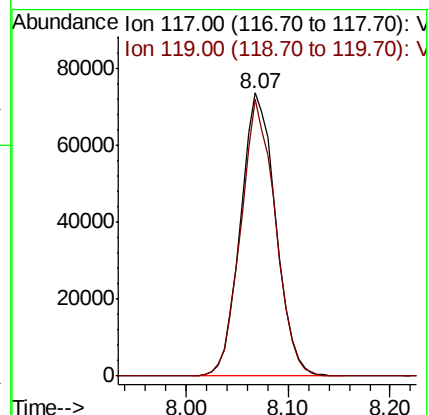
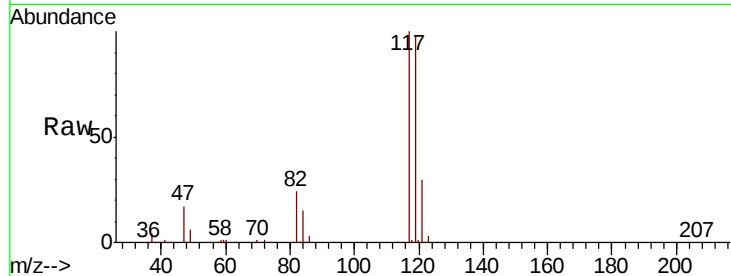
ClientSampleId :

Tot Ion:117 Resp: 176383

Ion Ratio Lower Upper

117 100

119 95.8 75.2 112.8



#34

Benzene

Concen: 25.012 ug/L

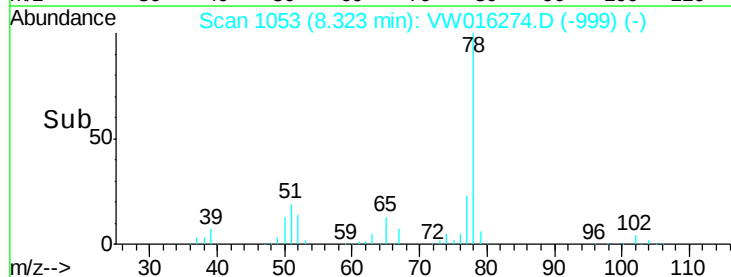
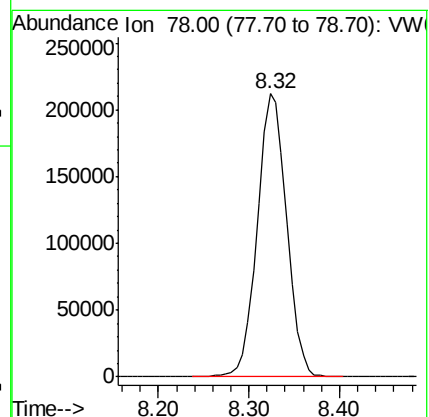
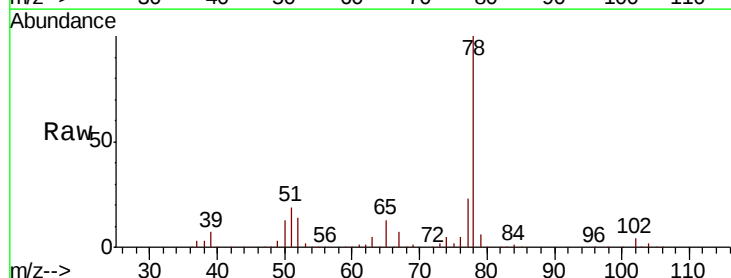
RT: 8.32 min Scan# 1053

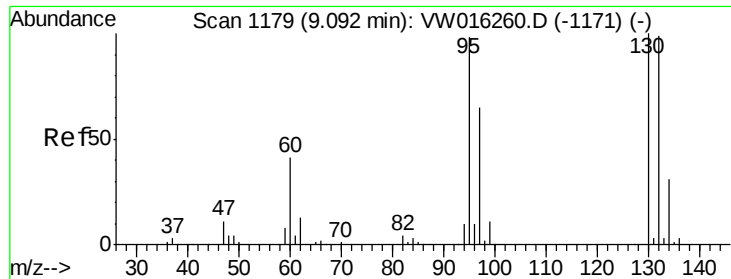
Delta R.T. -0.00 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

Tgt Ion: 78 Resp: 473121

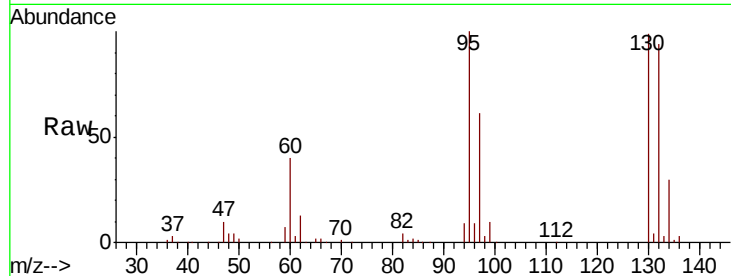




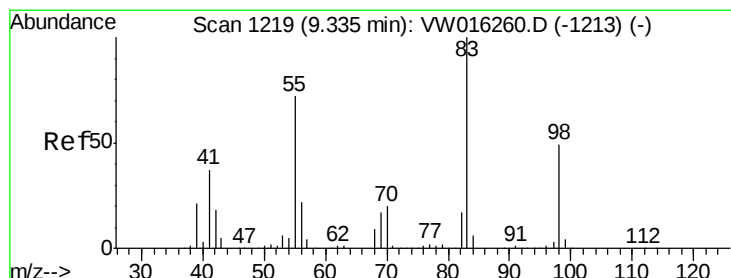
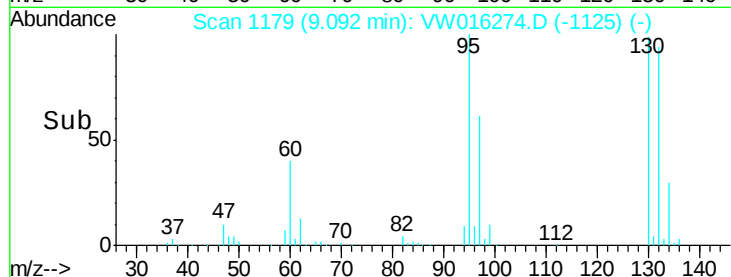
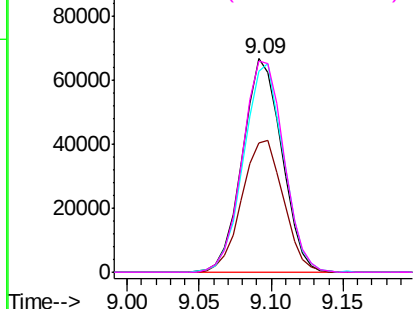
#35
 Trichloroethene
 Concen: 24.943 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW016274.D
 Acq: 20 Aug 2020 18:44

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 126865
 Ion Ratio Lower Upper
 95 100
 97 65.1 44.9 83.3
 132 98.7 65.8 122.2
 130 103.4 69.5 129.1

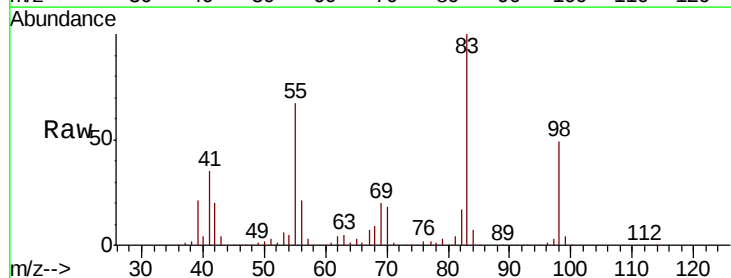


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

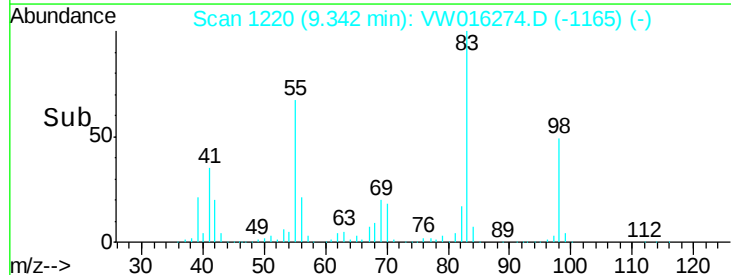
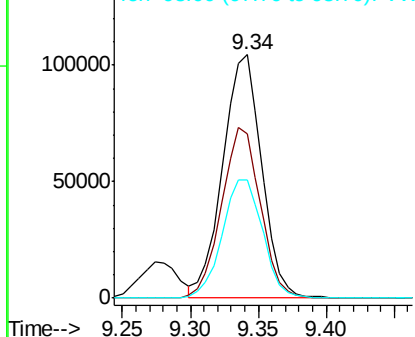


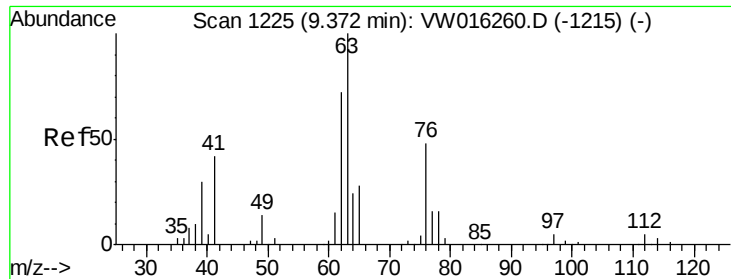
#36
 Methylcyclohexane
 Concen: 24.851 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW016274.D
 Acq: 20 Aug 2020 18:44

Tgt Ion: 83 Resp: 208223
 Ion Ratio Lower Upper
 83 100
 55 69.9 60.7 91.1
 98 50.5 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

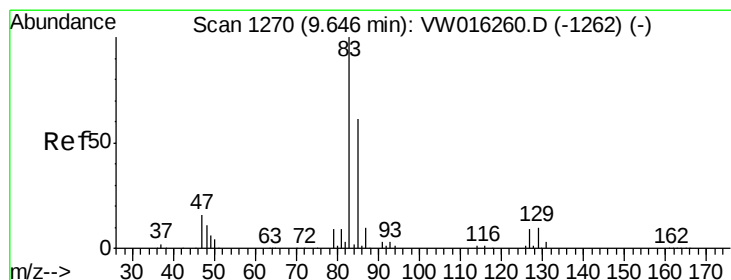
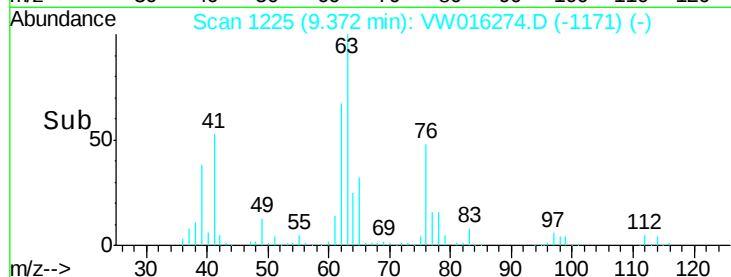
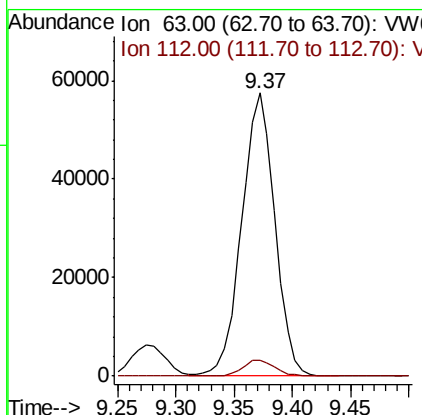
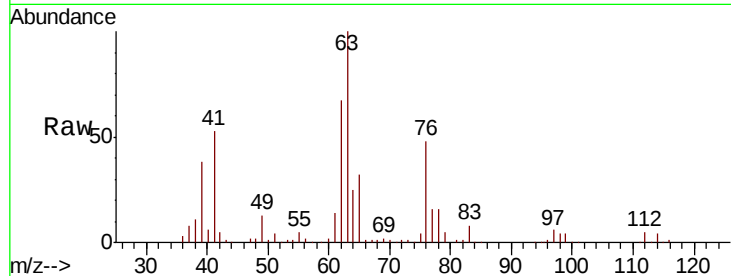




#40
 1,2-Dichloropropane
 Concen: 24.548 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016274.D
 Acq: 20 Aug 2020 18:44

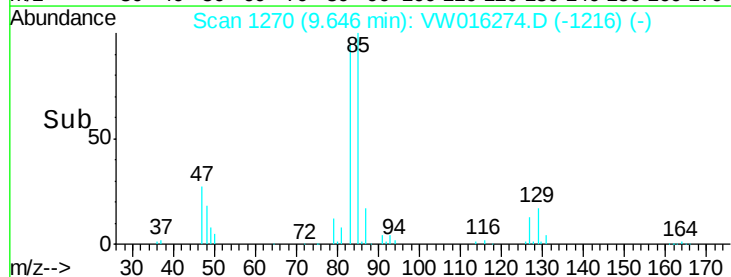
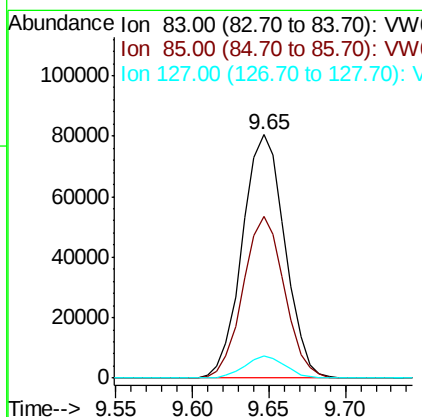
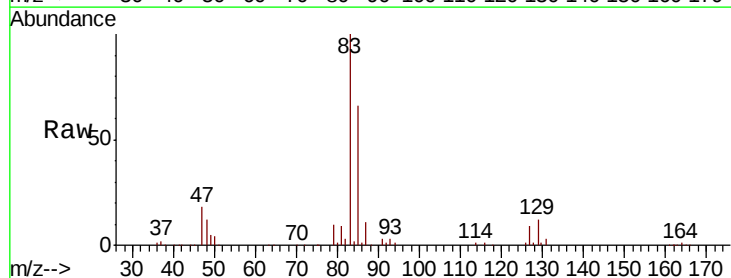
Instrument :
 MSVOA_W
 ClientSampled :

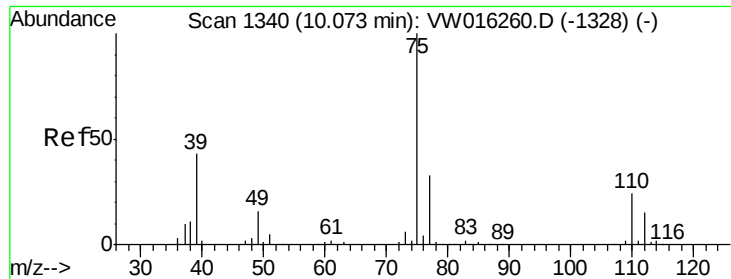
Tot Ion: 63 Resp: 114029
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.0 6.0



#41
 Bromodichloromethane
 Concen: 24.392 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016274.D
 Acq: 20 Aug 2020 18:44

Tgt Ion: 83 Resp: 155648
 Ion Ratio Lower Upper
 83 100
 85 66.5 46.1 85.5
 127 8.9 7.2 10.8

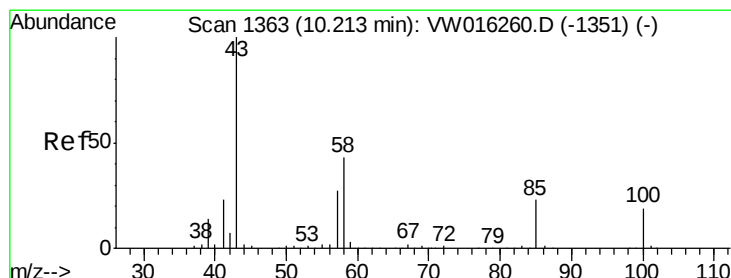
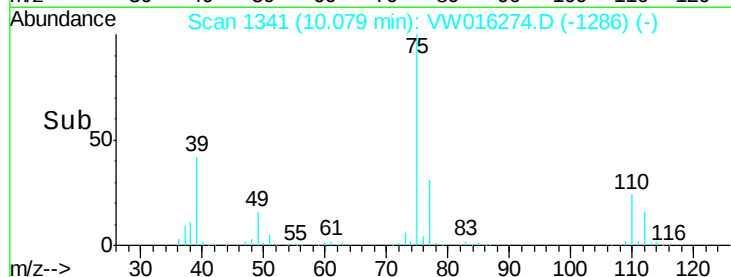
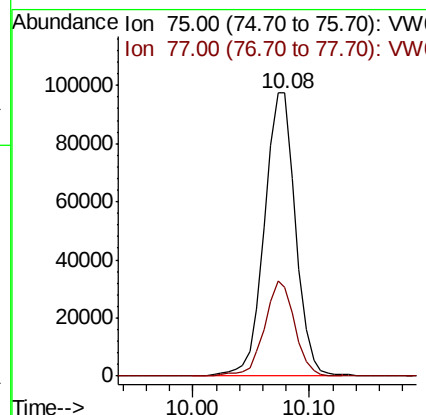
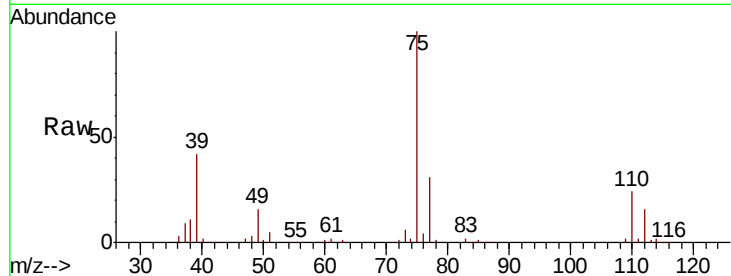




#42
 cis-1,3-Dichloropropene
 Concen: 25.702 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW016274.D
 Acq: 20 Aug 2020 18:44

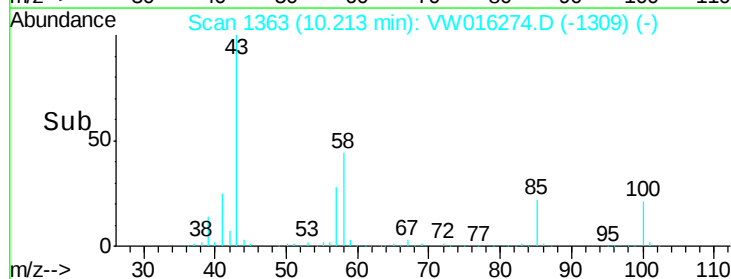
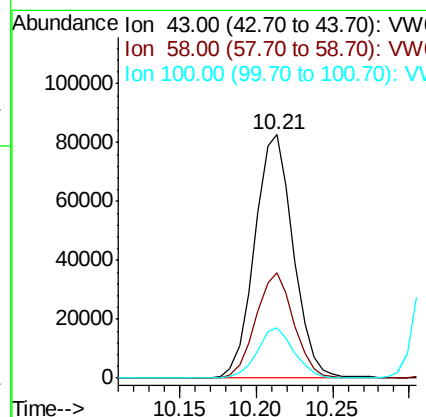
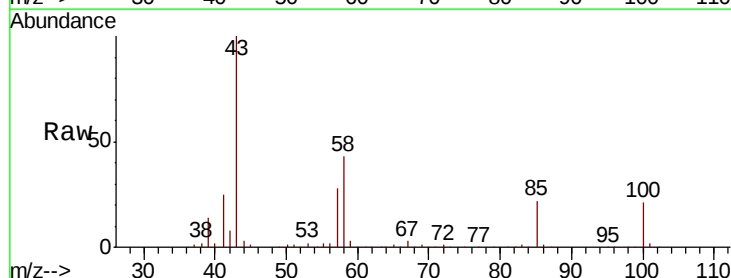
Instrument :
 MSVOA_W
 ClientSampled :

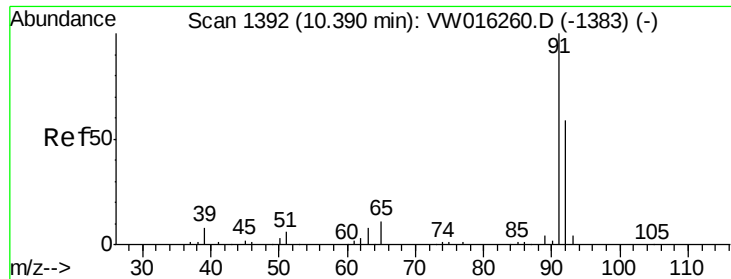
Tot Ion: 75 Resp: 181827
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.9 42.5



#43
 4-Methyl-2-pentanone
 Concen: 51.884 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016274.D
 Acq: 20 Aug 2020 18:44

Tgt Ion: 43 Resp: 144961
 Ion Ratio Lower Upper
 43 100
 58 42.6 32.1 48.1
 100 19.9 13.8 20.8





#44

Toluene

Concen: 25.765 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

Instrument :

MSVOA_W

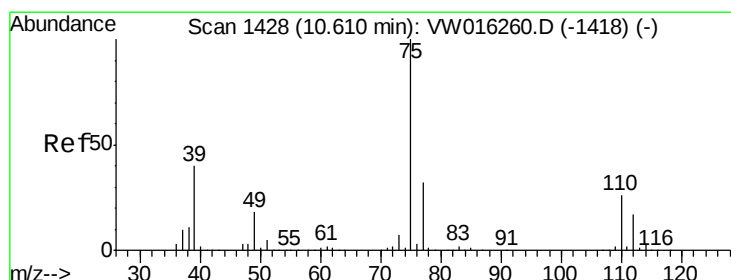
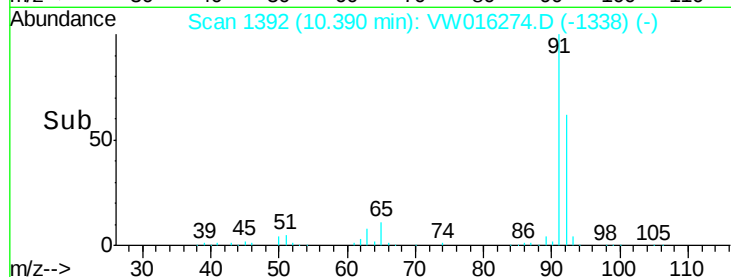
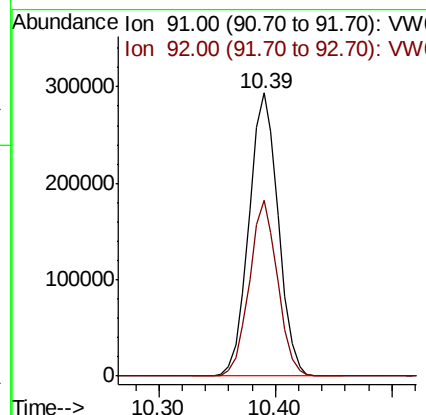
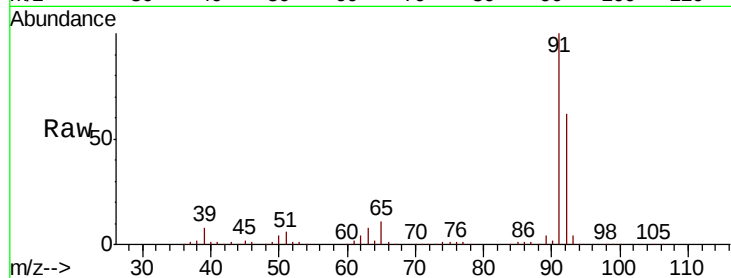
ClientSampleId :

Tot Ion: 91 Resp: 514468

Ion Ratio Lower Upper

91 100

92 62.0 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 25.878 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016274.D

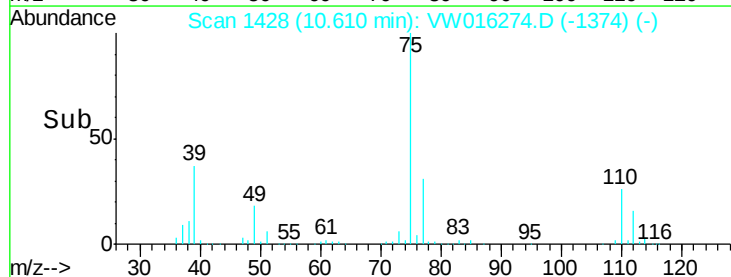
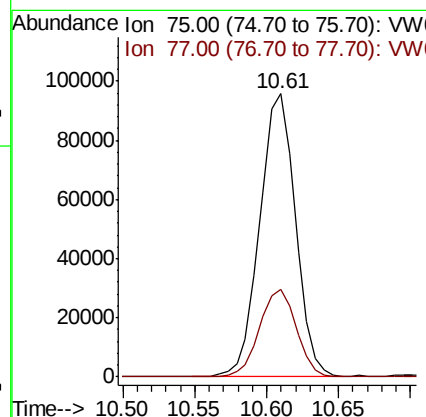
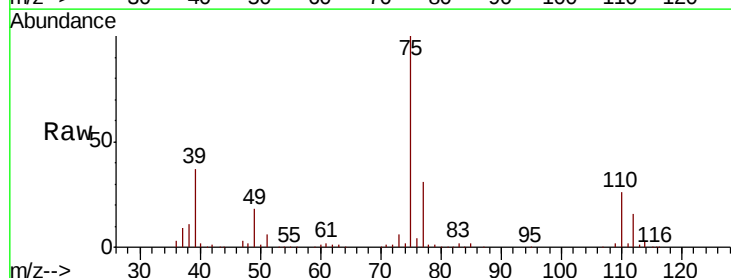
Acq: 20 Aug 2020 18:44

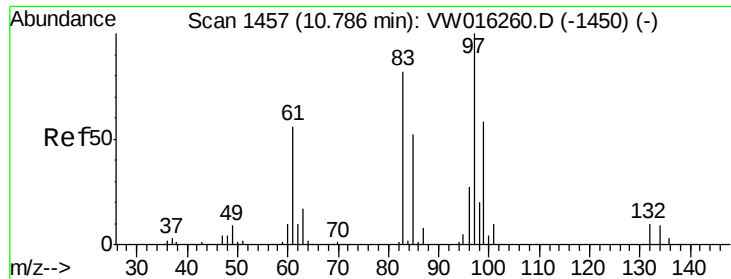
Tgt Ion: 75 Resp: 164450

Ion Ratio Lower Upper

75 100

77 31.1 22.7 42.1

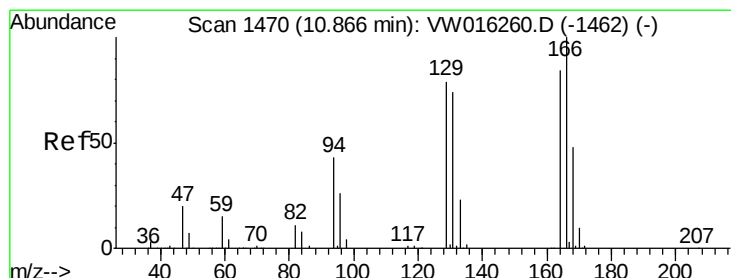
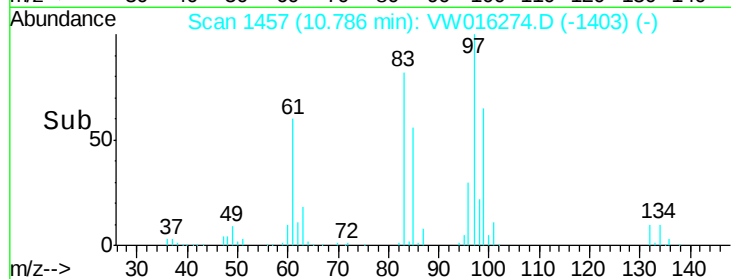
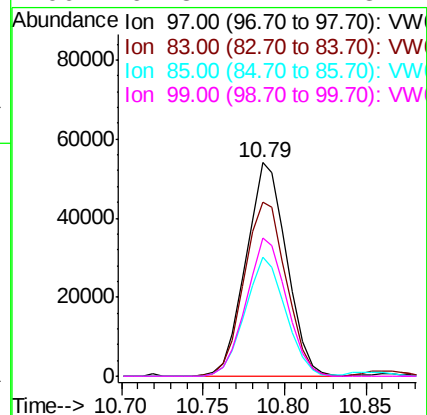
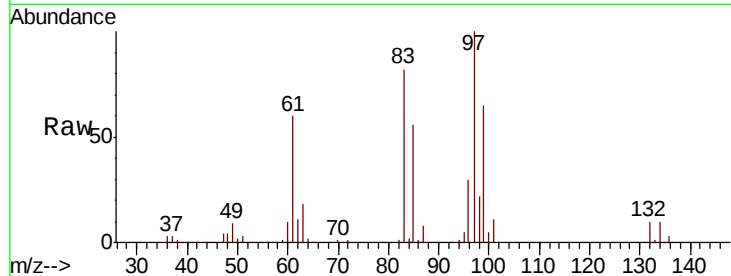




#46
1,1,2-Trichloroethane
Concen: 25.625 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW016274.D
Acq: 20 Aug 2020 18:44

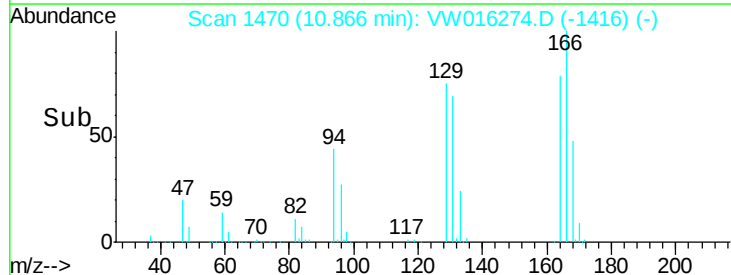
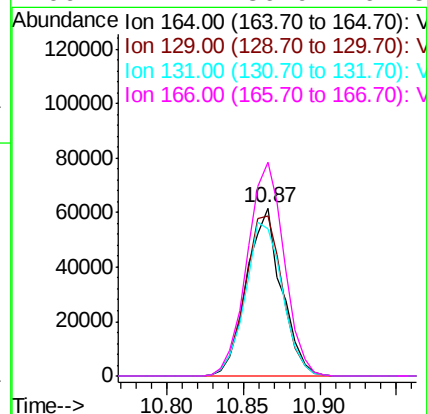
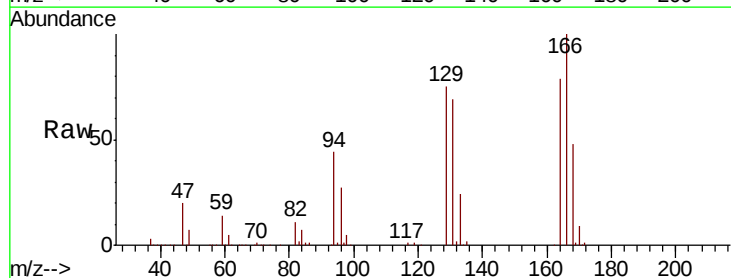
Instrument :
MSVOA_W
ClientSampleId :

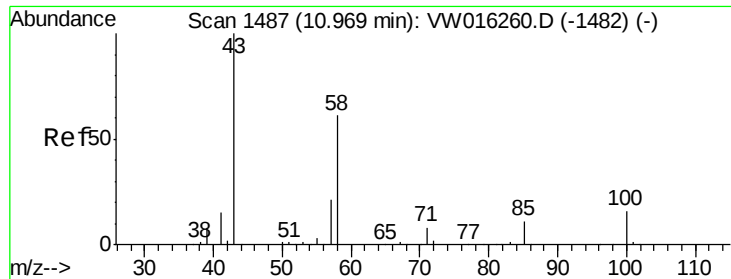
Tot Ion:	97	Resp:	93697
Ion	Ratio	Lower	Upper
97	100		
83	81.6	57.8	107.4
85	55.9	38.0	70.6
99	64.8	44.4	82.4



#47
Tetrachloroethene
Concen: 25.661 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016274.D
Acq: 20 Aug 2020 18:44

Tgt Ion:	164	Resp:	97845
Ion	Ratio	Lower	Upper
164	100		
129	95.4	71.5	132.9
131	87.7	65.4	121.4
166	127.1	86.9	161.5





#49

2-Hexanone

Concen: 53.998 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 101802

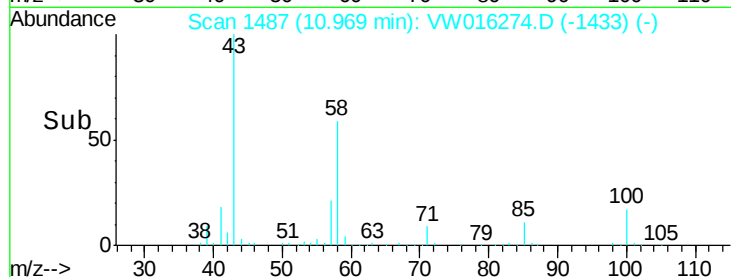
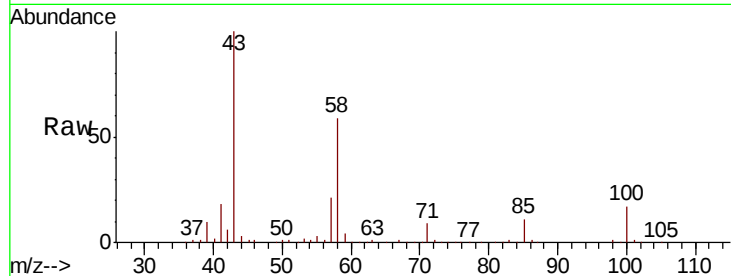
Ion Ratio Lower Upper

43 100

58 58.7 44.2 66.2

57 20.9 15.8 23.6

100 15.7 10.8 16.2

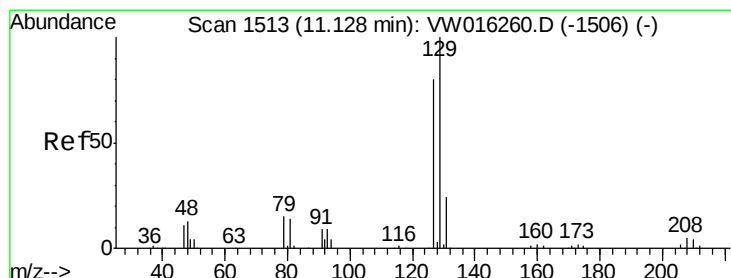
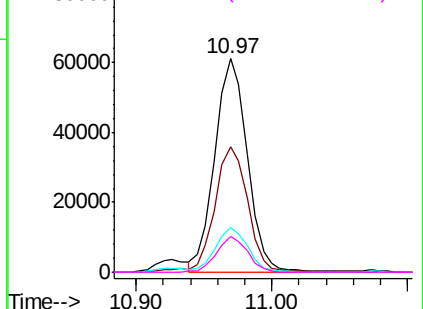


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 26.439 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW016274.D

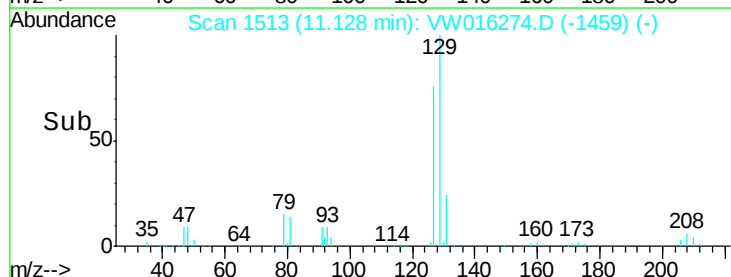
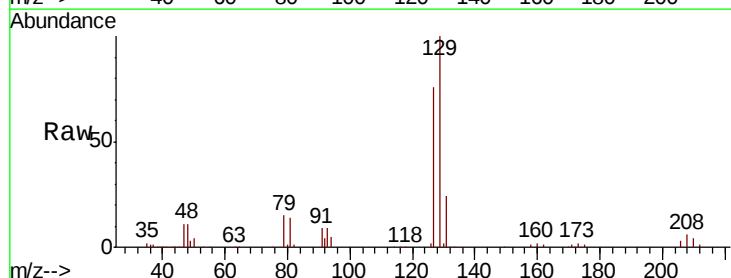
Acq: 20 Aug 2020 18:44

Tgt Ion: 129 Resp: 113860

Ion Ratio Lower Upper

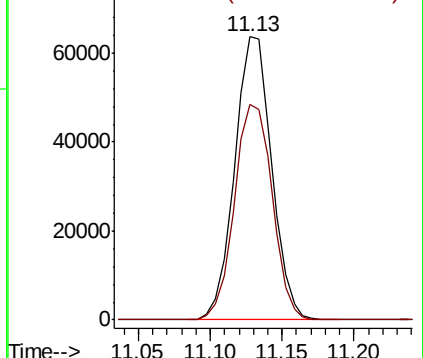
129 100

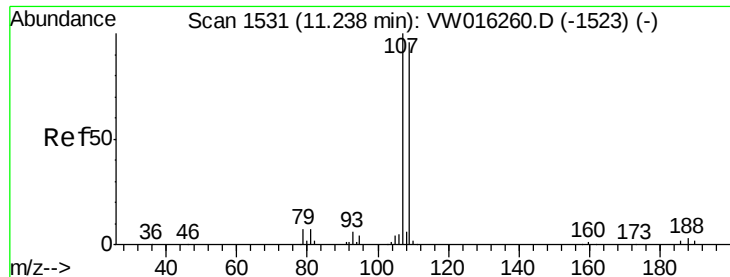
127 76.2 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

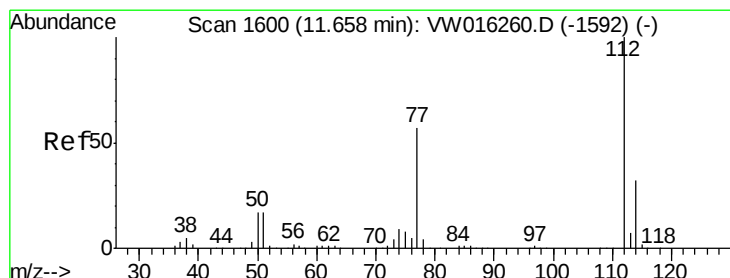
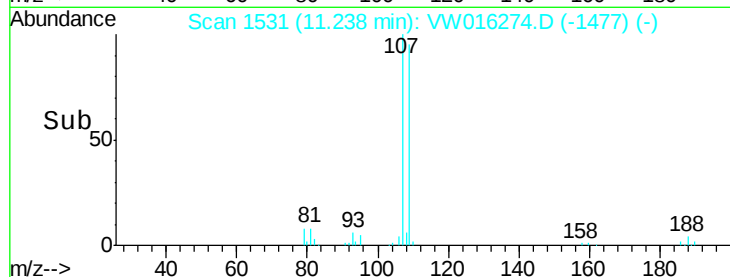
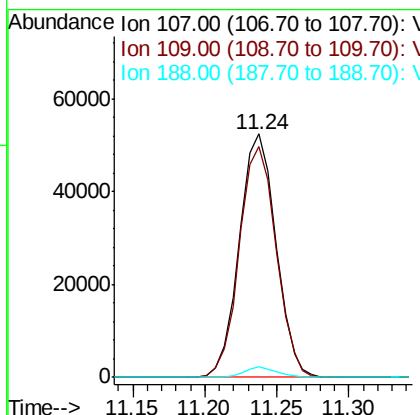
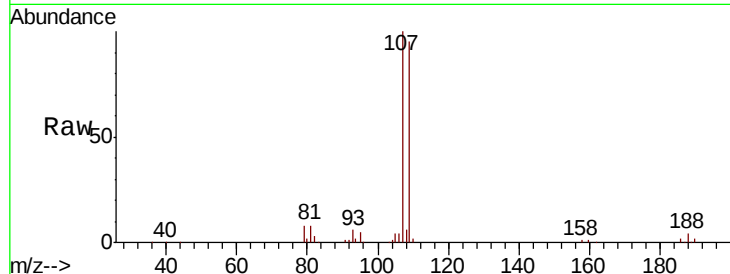




#51
 1,2-Dibromoethane
 Concen: 26.739 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016274.D
 Acq: 20 Aug 2020 18:44

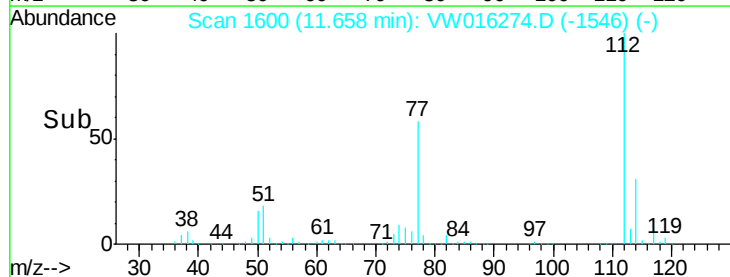
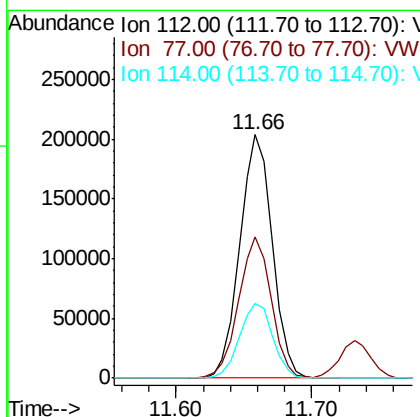
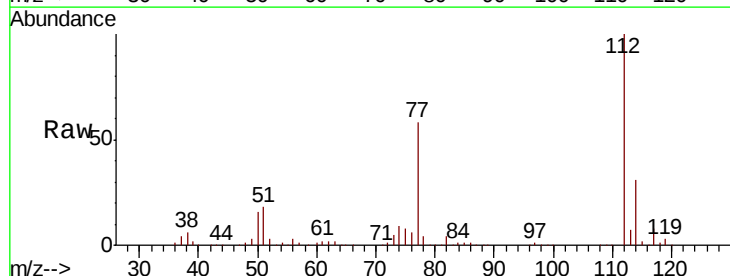
Instrument :
 MSVOA_W
 ClientSampleId :

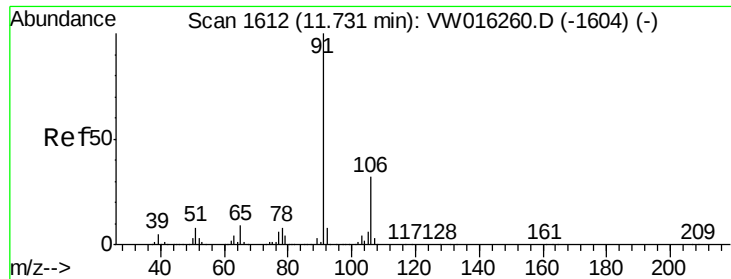
Tot Ion:107 Resp: 92691
 Ion Ratio Lower Upper
 107 100
 109 94.9 66.0 122.6
 188 4.2 2.8 4.2#



#52
 Chlorobenzene
 Concen: 25.695 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016274.D
 Acq: 20 Aug 2020 18:44

Tgt Ion:112 Resp: 339479
 Ion Ratio Lower Upper
 112 100
 77 58.2 49.1 73.7
 114 30.9 23.5 43.7

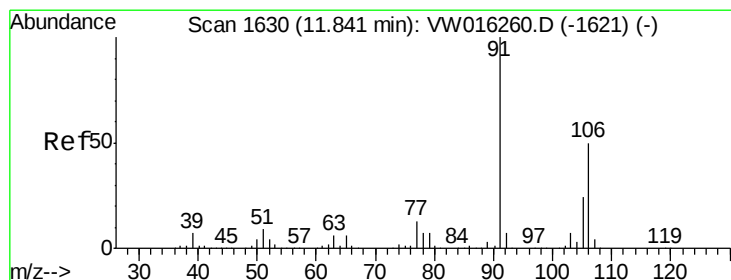
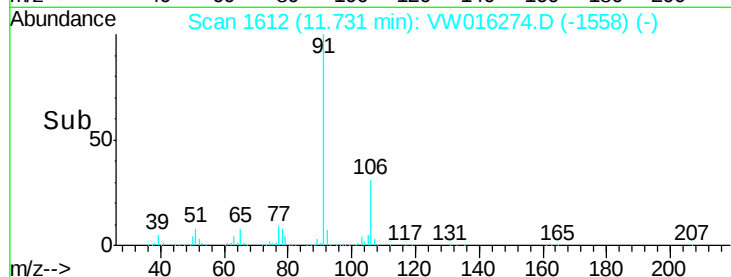
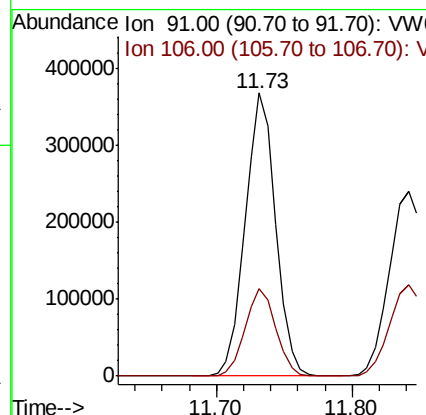
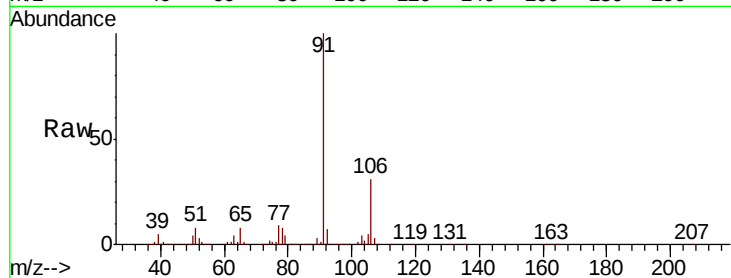




#53
Ethylbenzene
Concen: 25.420 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016274.D
Acq: 20 Aug 2020 18:44

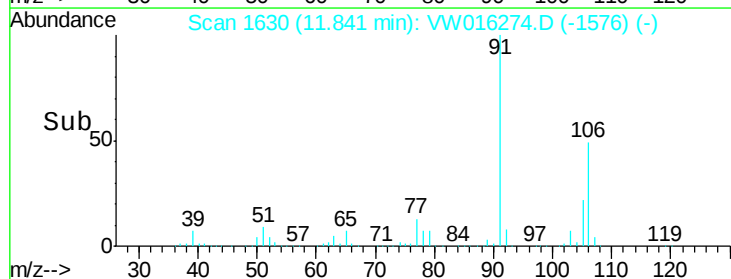
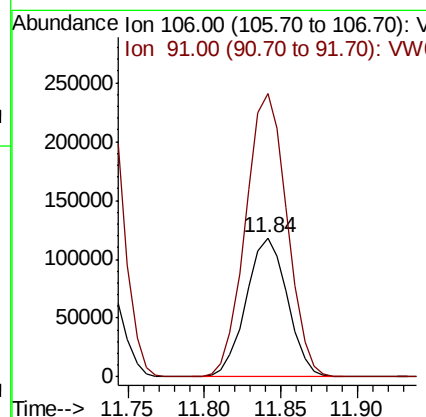
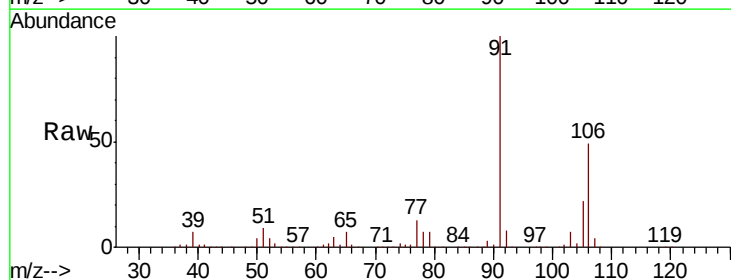
Instrument :
MSVOA_W
ClientSampleId :

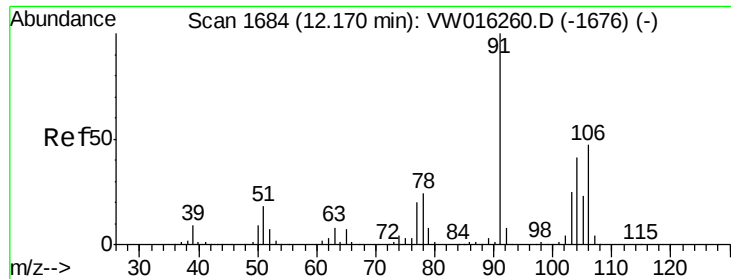
Tot Ion: 91 Resp: 575889
Ion Ratio Lower Upper
91 100
106 31.1 21.8 40.4



#54
m,p-Xylene
Concen: 25.986 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016274.D
Acq: 20 Aug 2020 18:44

Tgt Ion: 106 Resp: 221459
Ion Ratio Lower Upper
106 100
91 203.1 136.4 253.2

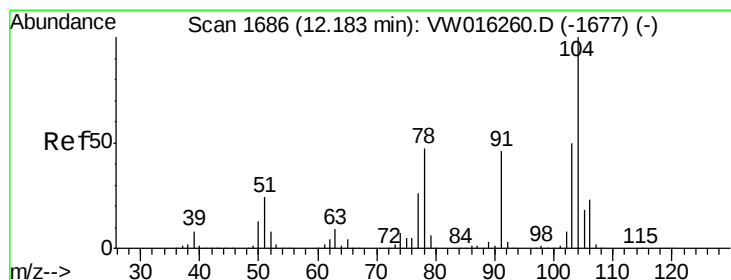
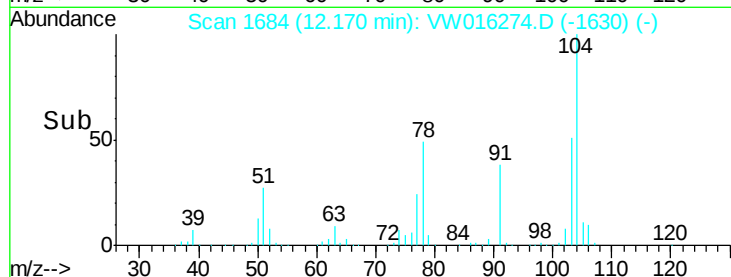
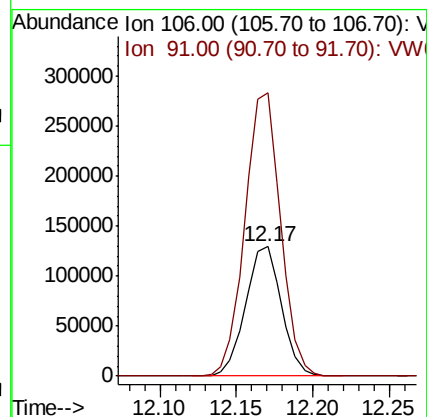
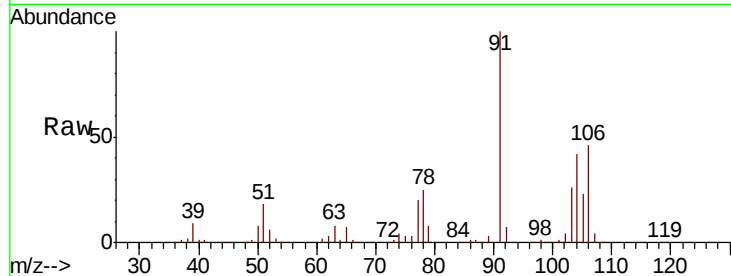




#55
o-xylene
Concen: 26.276 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016274.D
Acq: 20 Aug 2020 18:44

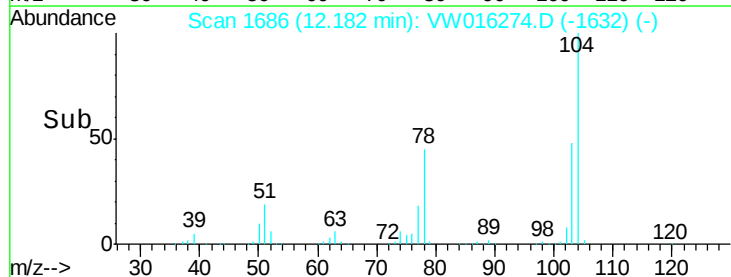
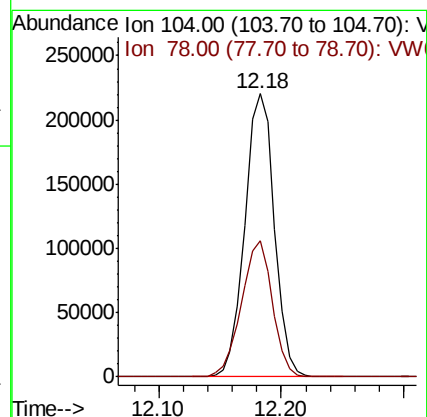
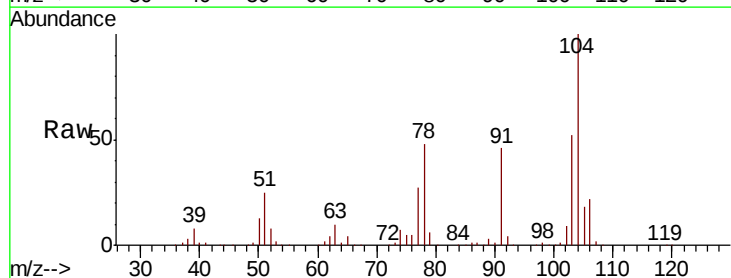
Instrument :
MSVOA_W
ClientSampleId :

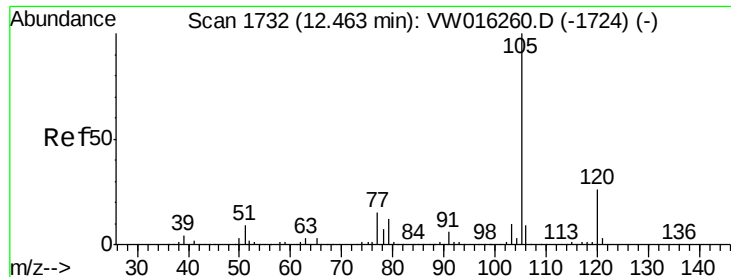
Tot Ion:106 Resp: 210920
Ion Ratio Lower Upper
106 100
91 218.3 151.3 281.1



#56
Styrene
Concen: 26.492 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016274.D
Acq: 20 Aug 2020 18:44

Tgt Ion:104 Resp: 368177
Ion Ratio Lower Upper
104 100
78 48.3 32.0 59.4





#57

Isopropylbenzene

Concen: 27.028 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

Instrument :

MSVOA_W

ClientSampled :

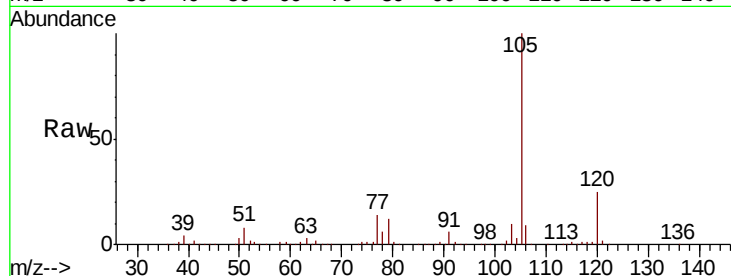
Tot Ion:105 Resp: 584953

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

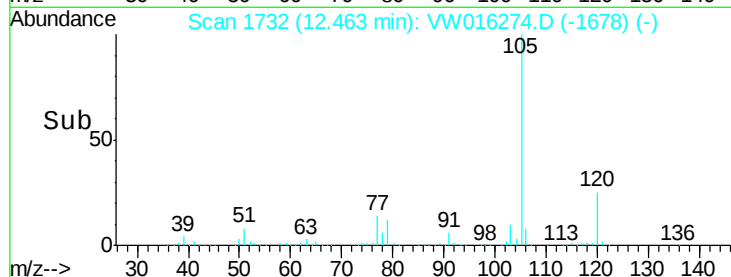
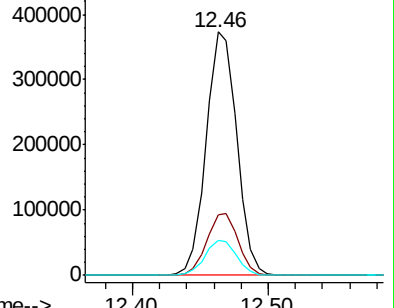
77 14.8 12.6 18.8



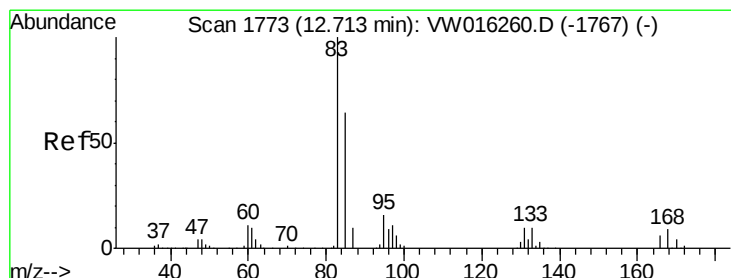
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 26.970 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

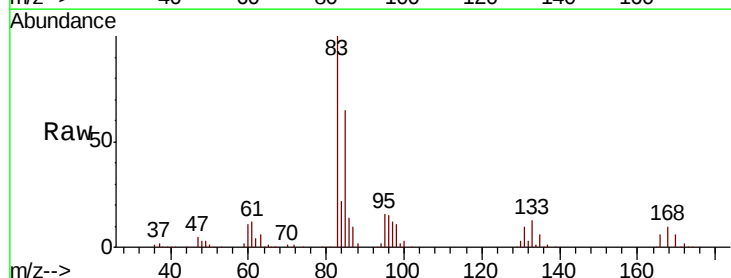
Tgt Ion: 83 Resp: 115065

Ion Ratio Lower Upper

83 100

85 65.5 42.4 78.8

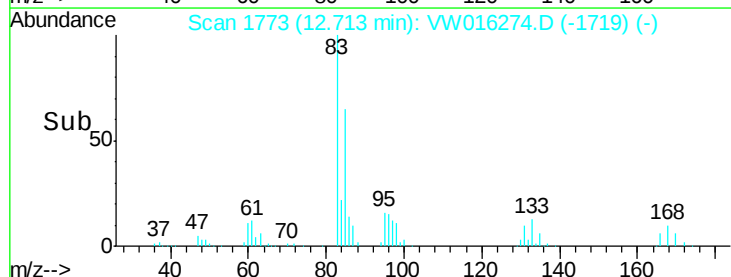
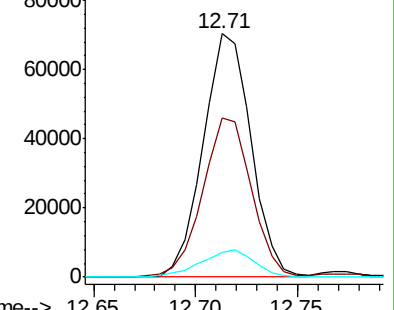
131 10.3 7.8 11.8



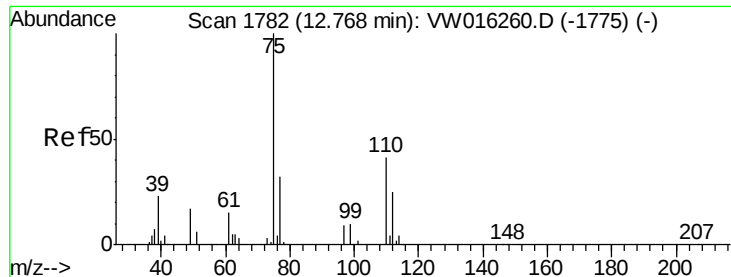
Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V



Time-->



#59

1,2,3-Trichloropropane

Concen: 26.573 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

Instrument :

MSVOA_W

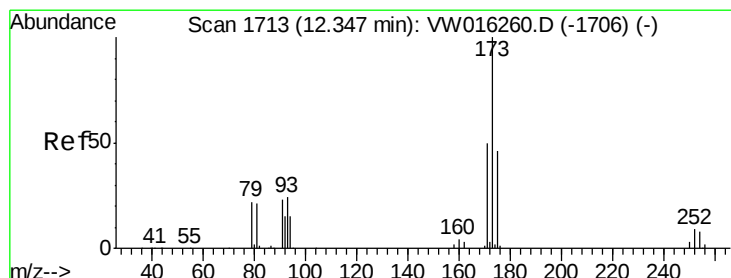
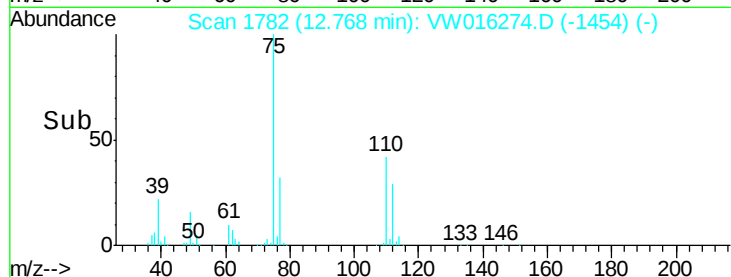
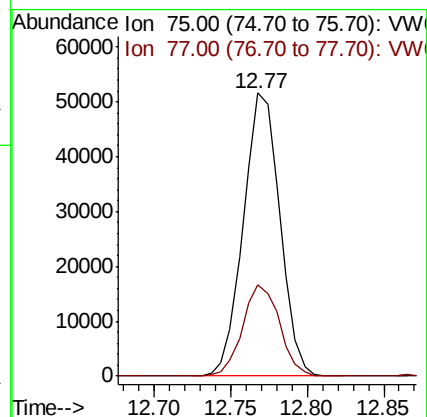
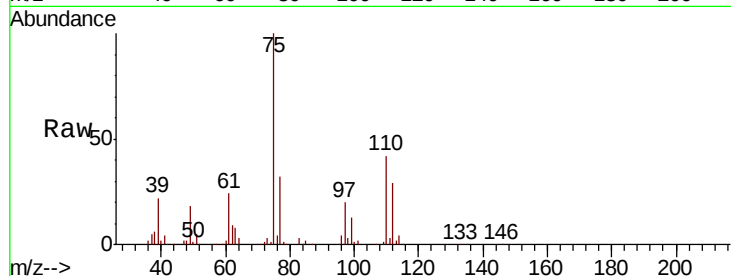
ClientSampleId :

Tot Ion: 75 Resp: 85887

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9



#62

Bromoform

Concen: 26.444 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

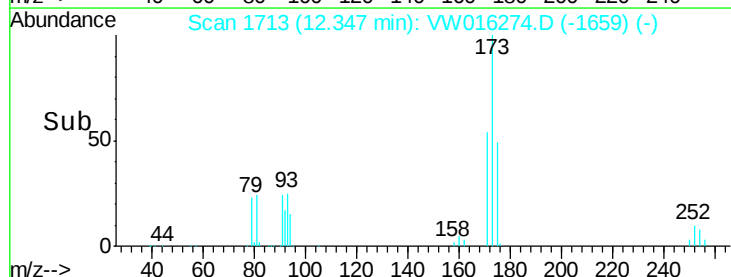
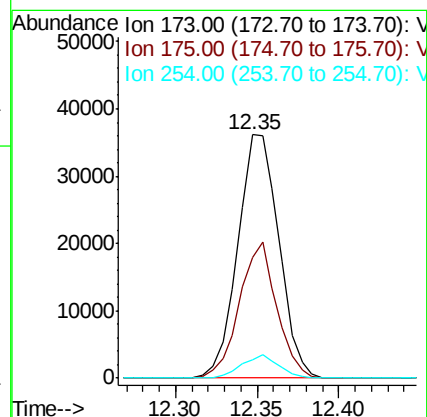
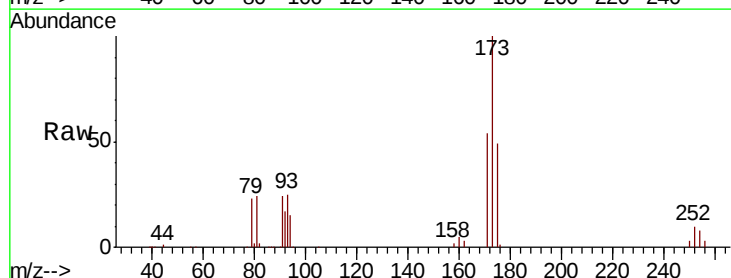
Tgt Ion: 173 Resp: 63550

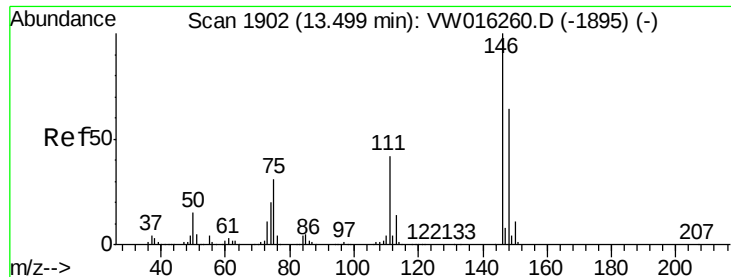
Ion Ratio Lower Upper

173 100

175 50.6 37.8 56.6

254 8.6 6.8 10.2

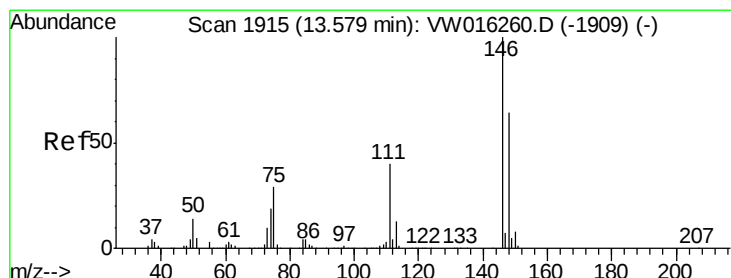
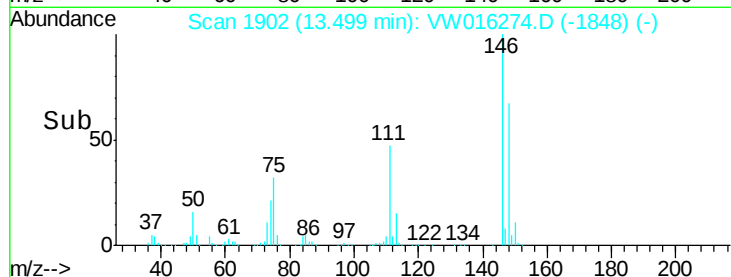
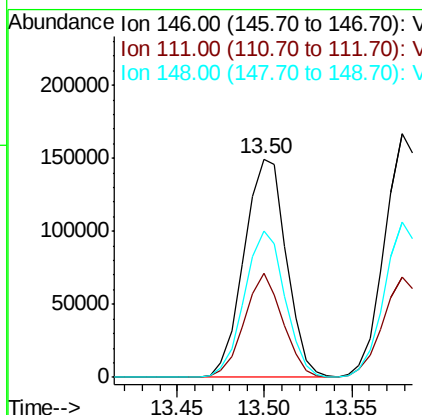
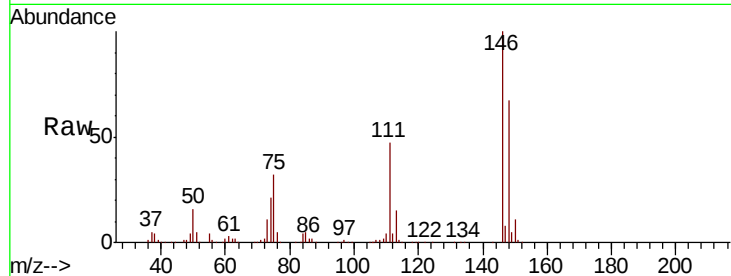




#63
 1,3-Dichlorobenzene
 Concen: 25.076 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016274.D
 Acq: 20 Aug 2020 18:44

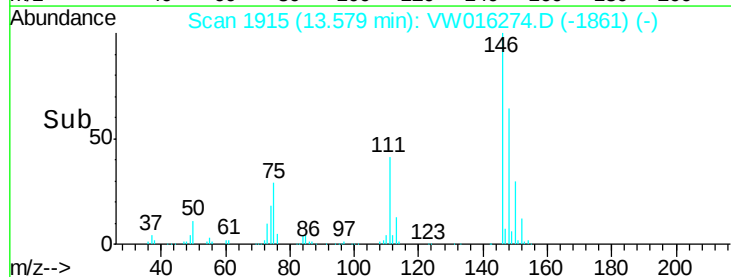
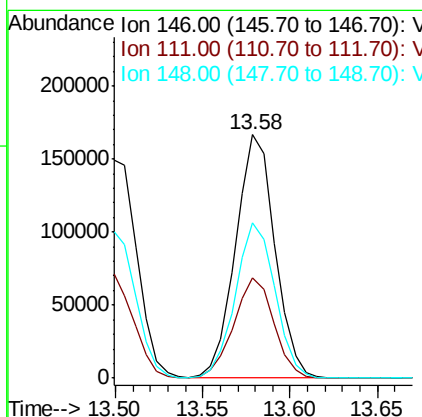
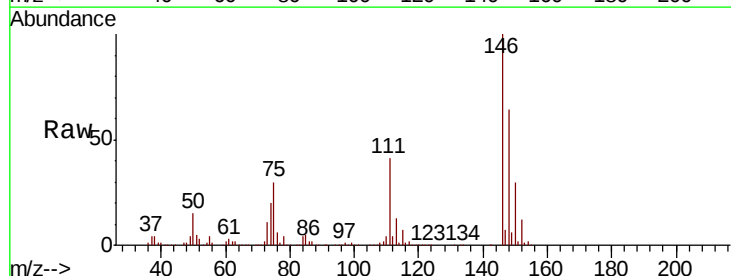
Instrument :
 MSVOA_W
 ClientSampleId :

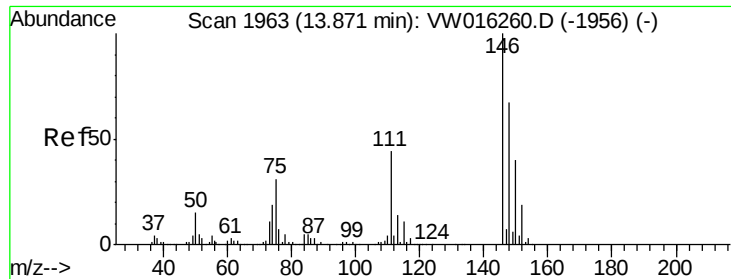
Tot Ion:146 Resp: 251706
 Ion Ratio Lower Upper
 146 100
 111 47.5 28.9 53.7
 148 67.0 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 25.469 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016274.D
 Acq: 20 Aug 2020 18:44

Tgt Ion:146 Resp: 260440
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.6 53.2
 148 63.7 47.7 88.5

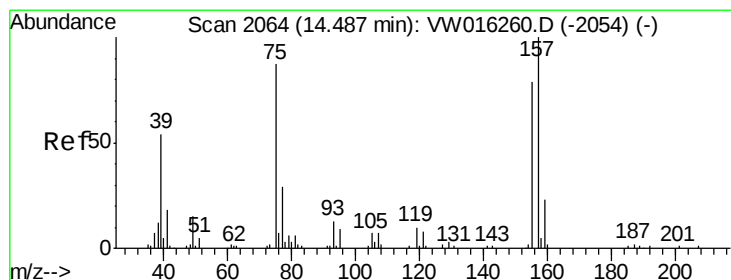
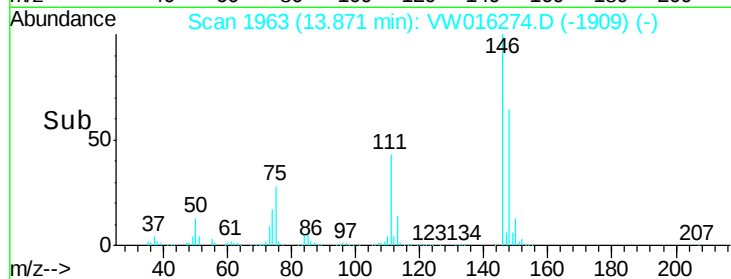
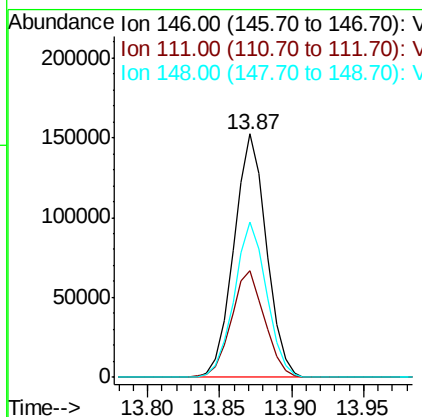
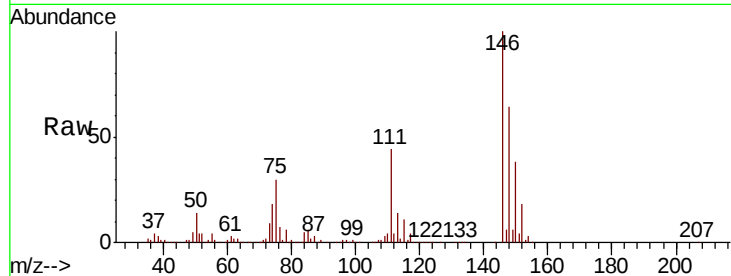




#65
 1,2-Dichlorobenzene
 Concen: 26.019 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016274.D
 Acq: 20 Aug 2020 18:44

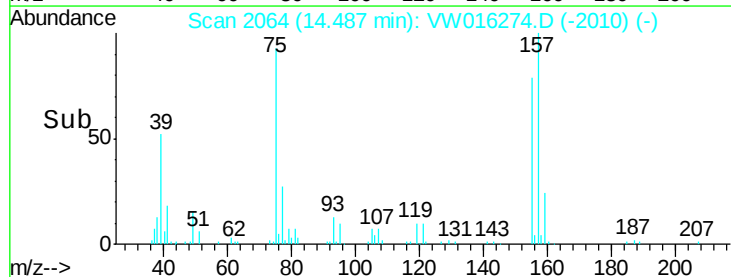
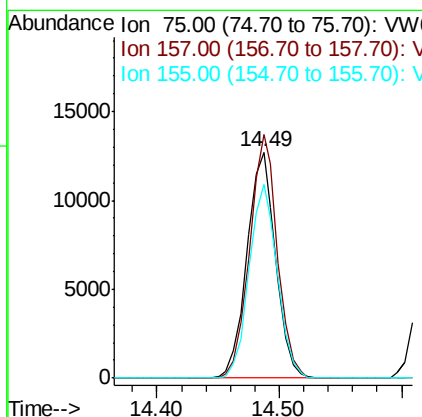
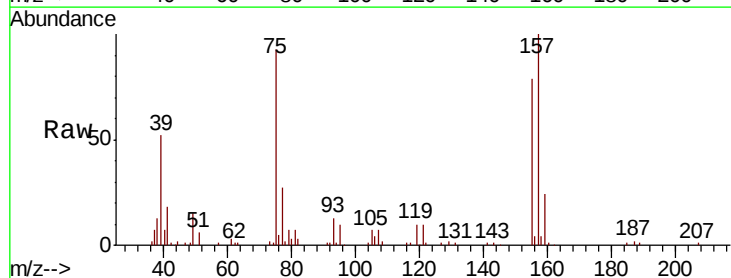
Instrument :
 MSVOA_W
 ClientSampled :

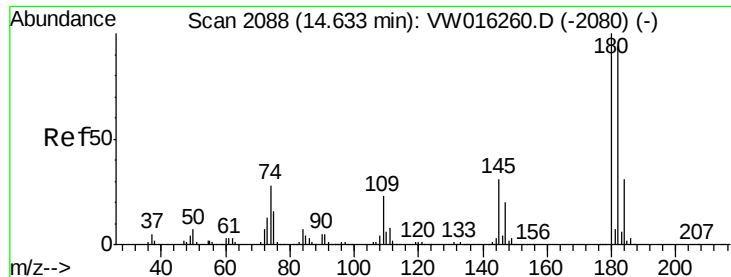
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	35.3	52.9
148	63.8	49.0	73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.477 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016274.D
 Acq: 20 Aug 2020 18:44

Tgt Ion	Ratio	Lower	Upper
75	100		
157	107.9	73.9	110.9
155	85.5	63.4	95.2

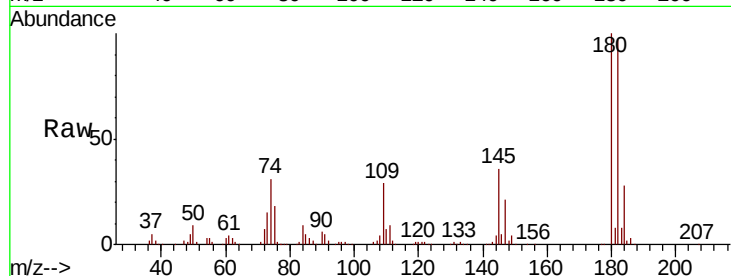




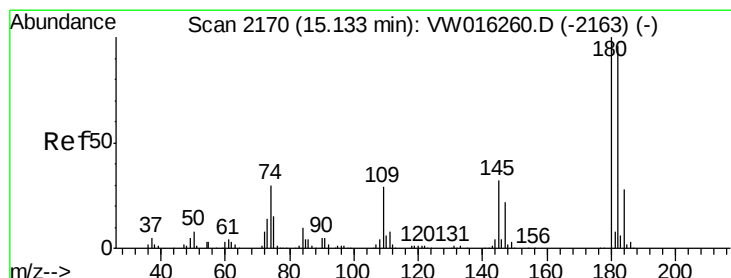
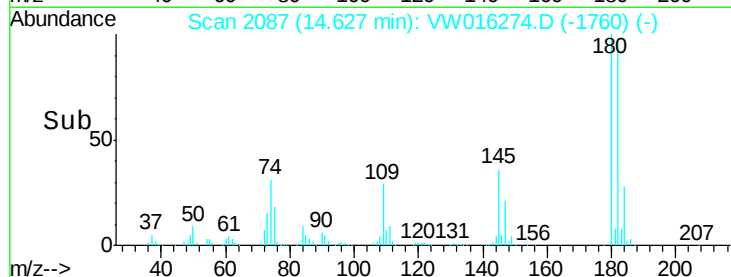
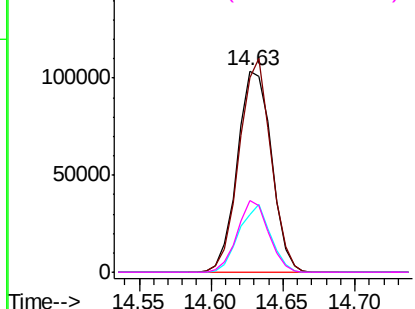
#67
 1,3,5-Trichlorobenzene
 Concen: 26.984 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016274.D
 Acq: 20 Aug 2020 18:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	170910
Ion Ratio	Lower	Upper
180	100	
182	98.7	76.3 114.5
184	31.1	25.1 37.7
145	33.0	26.9 40.3

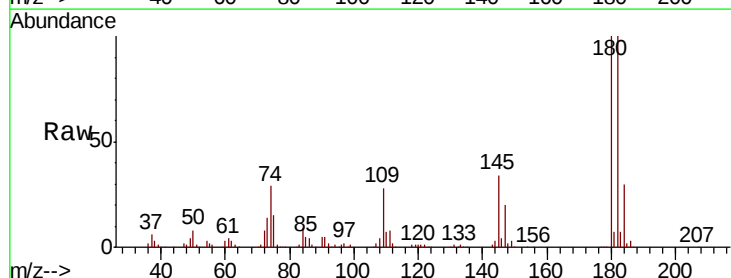


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

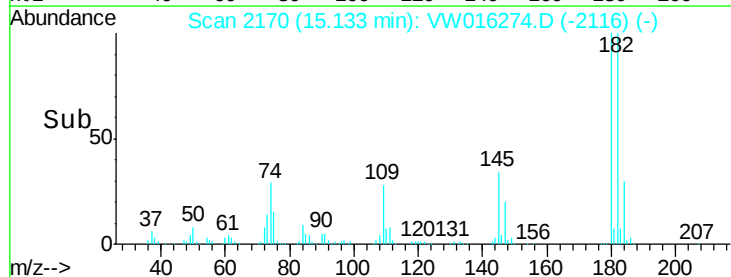
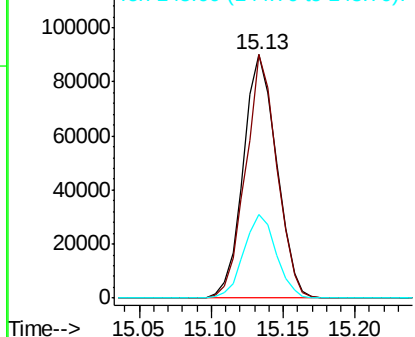


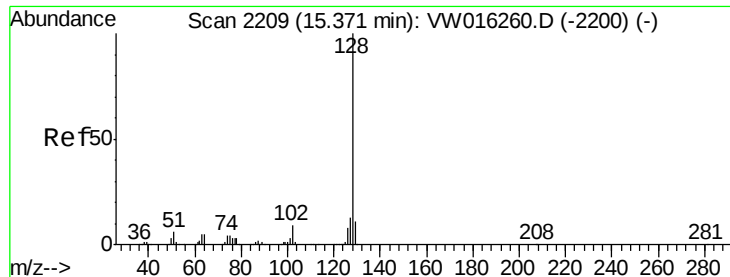
#68
 1,2,4-trichlorobenzene
 Concen: 28.108 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016274.D
 Acq: 20 Aug 2020 18:44

Tgt Ion:180	Resp:	144292
Ion Ratio	Lower	Upper
180	100	
182	93.4	77.8 116.8
145	33.6	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: 29.320 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

Instrument :

MSVOA_W

ClientSampled :

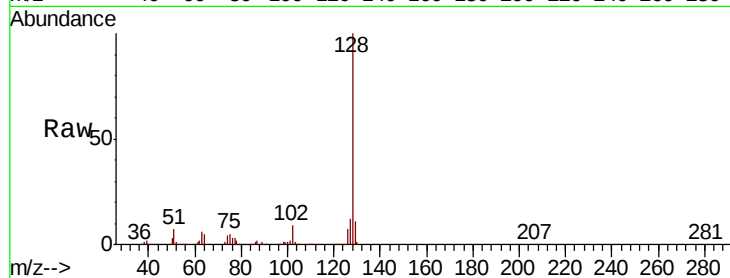
Tot Ion:128 Resp: 317697

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

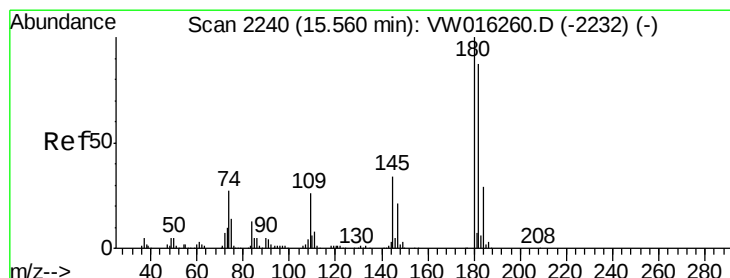
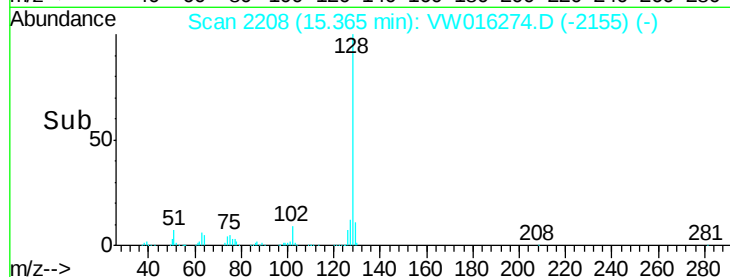
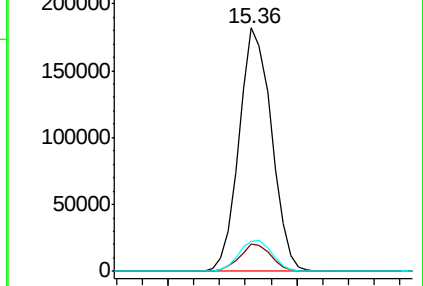
127 13.0 10.3 15.5



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: 28.776 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016274.D

Acq: 20 Aug 2020 18:44

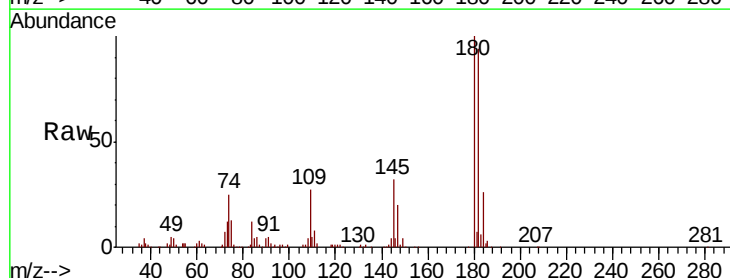
Tgt Ion:180 Resp: 134205

Ion Ratio Lower Upper

180 100

182 94.7 76.0 114.0

145 35.0 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

