

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
 Data File : VW016463.D
 Acq On : 04 Sep 2020 14:30
 Operator : SY/VA
 Sample : MDL05
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

Quant Time: Sep 08 01:02:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 08 00:55:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	705843	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	630568	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	297685	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	172377	23.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.08%
7) Chloroethane-d5	2.90	69	166175	24.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.84%
10) 1,1-Dichloroethene-d2	4.03	63	279816	16.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.00%
20) 2-Butanone-d5	7.09	46	120007	44.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.74%
24) Chloroform-d	7.65	84	387290	23.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.68%
26) 1,2-Dichloroethane-d4	8.31	65	217721	24.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.32%
29) Benzene-d6	8.28	84	778213	24.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.12%
33) 1,2-Dichloropropane-d6	9.28	67	228890	24.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.24%
37) Toluene-d8	10.33	98	764309	25.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.32%
38) trans-1,3-Dichloropropene-	10.58	79	115751	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.44%
39) 2-Hexanone-d5	10.93	63	99725	51.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	206765	25.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	266631	25.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	4977	0.630 ug/L	91
3) Chloromethane	2.21	50	4906	0.708 ug/L	92
6) Bromomethane	2.78	94	5212	0.790 ug/L	99
8) Chloroethane	2.93	64	2285	0.421 ug/L	99
9) Trichlorofluoromethane	3.27	101	4115	0.569 ug/L	89
12) 1,1-Dichloroethene	4.05	96	8589	0.988 ug/L #	1
13) Acetone	4.14	43	4840	2.820 ug/L	65
14) Carbon disulfide	4.40	76	17567	0.661 ug/L #	91
16) Methylene chloride	4.93	84	25240	2.291 ug/L	95
18) trans-1,2-Dichloroethene	5.43	96	6883	0.745 ug/L	92
19) 1,1-Dichloroethane	6.21	63	5186	0.330 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	6942	0.721 ug/L	89
23) Bromochloromethane	7.52	128	3408	0.764 ug/L #	72
25) Chloroform	7.68	83	12833	0.789 ug/L #	18
27) 1,2-Dichloroethane	8.40	62	7733	0.714 ug/L #	94
30) Cyclohexane	7.96	56	10124	0.672 ug/L #	85
31) 1,1,1-Trichloroethane	7.87	97	10038	0.735 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

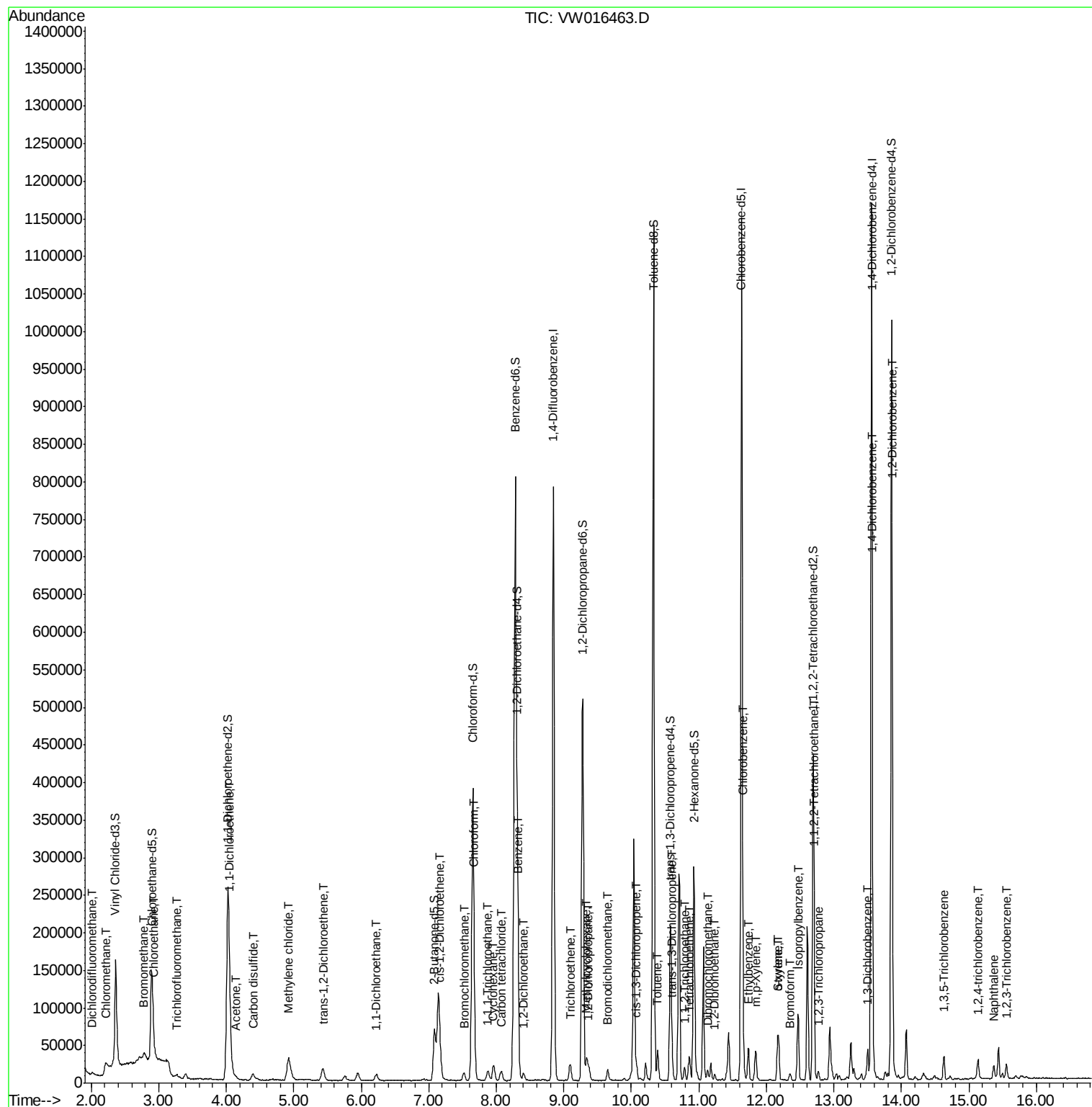
32) Carbon tetrachloride	8.07	117	8663	0.663	ug/L	91
34) Benzene	8.33	78	24446	0.709	ug/L	100
35) Trichloroethene	9.10	95	7374	0.772	ug/L	97
36) Methylcyclohexane	9.34	83	11314	0.677	ug/L	95
40) 1,2-Dichloropropane	9.37	63	5961	0.699	ug/L #	97
41) Bromodichloromethane	9.65	83	8691	0.729	ug/L #	95
42) cis-1,3-Dichloropropene	10.08	75	10484	0.725	ug/L	99
44) Toluene	10.39	91	28659	0.743	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	10348	0.800	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	5026	0.744	ug/L	94
47) Tetrachloroethene	10.87	164	5833	0.762	ug/L	92
50) Dibromochloromethane	11.13	129	6076	0.711	ug/L	99
51) 1,2-Dibromoethane	11.24	107	5069	0.751	ug/L #	96
52) Chlorobenzene	11.66	112	18200	0.744	ug/L	96
53) Ethylbenzene	11.73	91	30160	0.694	ug/L	100
54) m,p-Xylene	11.84	106	12015	0.723	ug/L	98
55) o-xylene	12.17	106	11037	0.698	ug/L	77
56) Styrene	12.18	104	19148	0.704	ug/L	99
57) Isopropylbenzene	12.47	105	33314	0.769	ug/L #	84
58) 1,1,2,2-Tetrachloroethane	12.71	83	7220	0.896	ug/L #	83
59) 1,2,3-Trichloropropane	12.77	75	4331	0.720	ug/L	94
62) Bromoform	12.35	173	3479	0.696	ug/L #	95
63) 1,3-Dichlorobenzene	13.50	146	13973	0.746	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	14536	0.782	ug/L	93
65) 1,2-Dichlorobenzene	13.87	146	13146	0.789	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	9451	0.732	ug/L	95
68) 1,2,4-trichlorobenzene	15.14	180	7455	0.667	ug/L	94
69) Naphthalene	15.37	128	15160	0.643	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	6726	0.701	ug/L	97

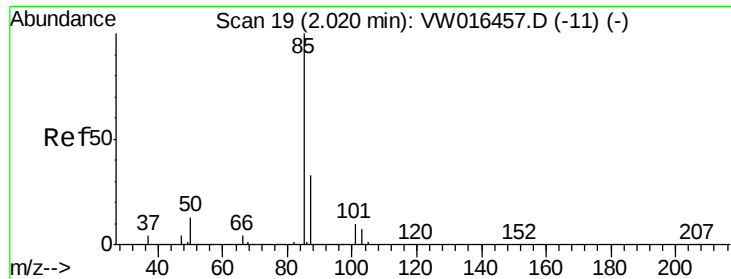
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.630 ug/L

RT: 2.02 min Scan# 19

Delta R.T. -0.00 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

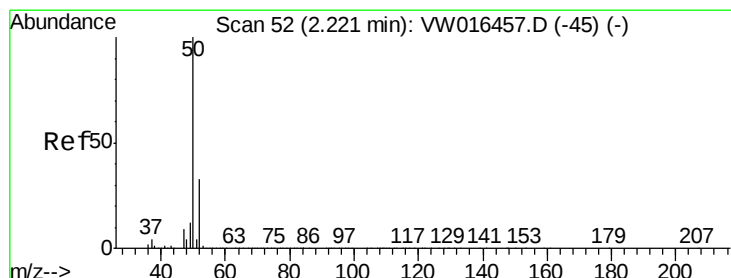
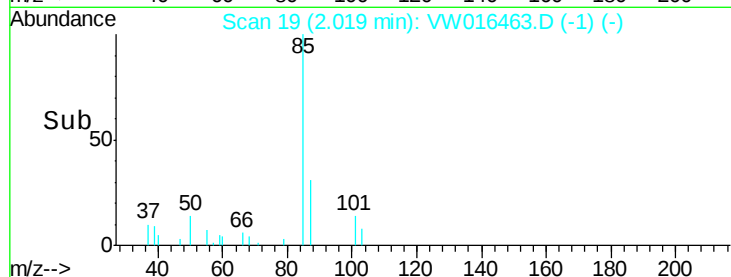
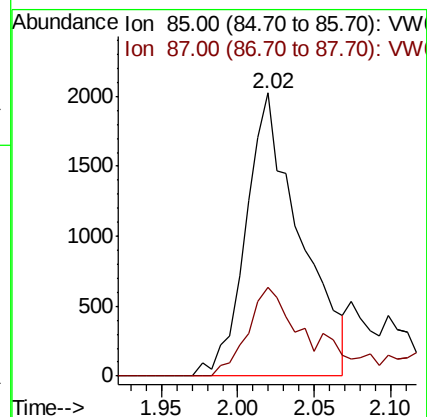
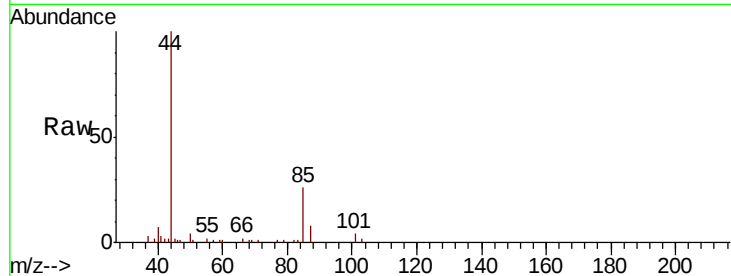
MDL05

Tot Ion: 85 Resp: 4977

Ion Ratio Lower Upper

85 100

87 26.9 22.3 41.5



#3

Chloromethane

Concen: 0.708 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW016463.D

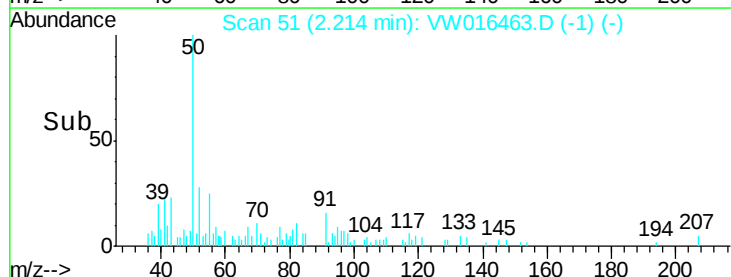
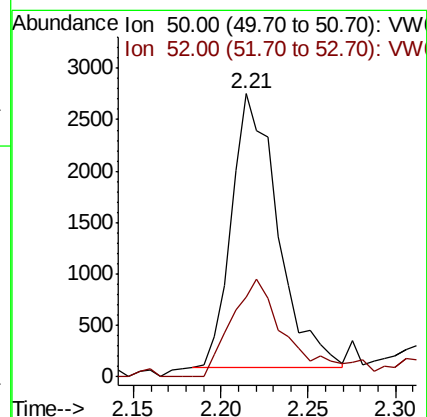
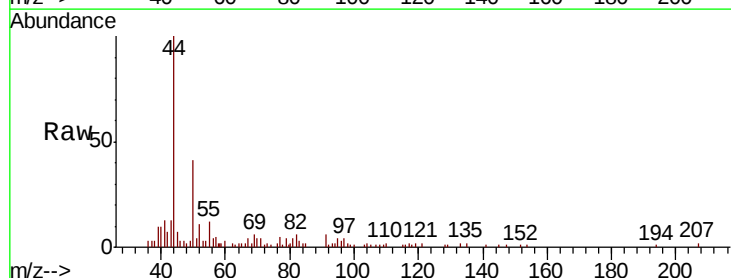
Acq: 04 Sep 2020 14:30

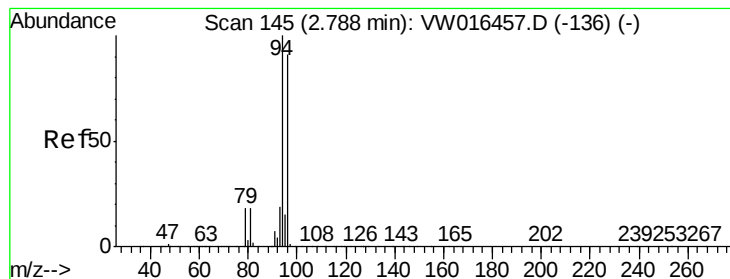
Tgt Ion: 50 Resp: 4906

Ion Ratio Lower Upper

50 100

52 28.3 23.0 42.6





#6

Bromomethane

Concen: 0.790 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

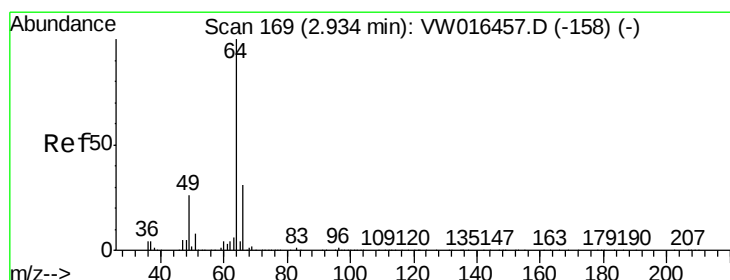
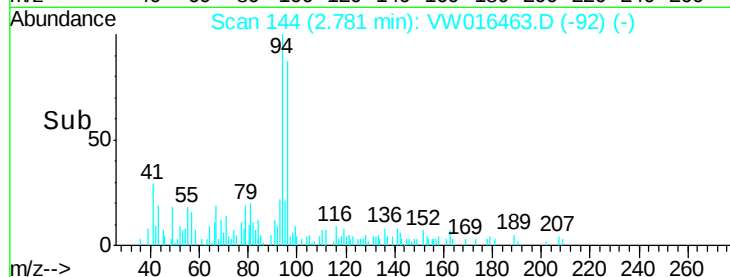
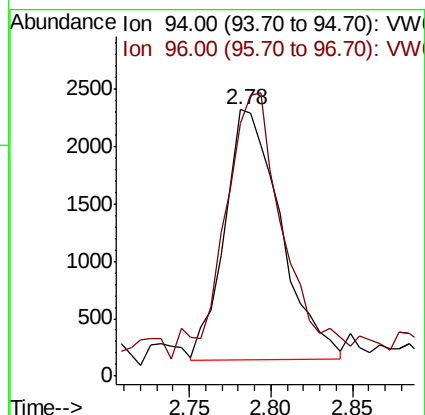
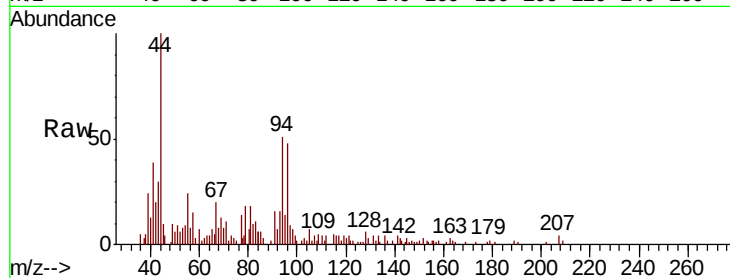
MDL05

Tot Ion: 94 Resp: 5212

Ion Ratio Lower Upper

94 100

96 94.8 9.4 178.2



#8

Chloroethane

Concen: 0.421 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW016463.D

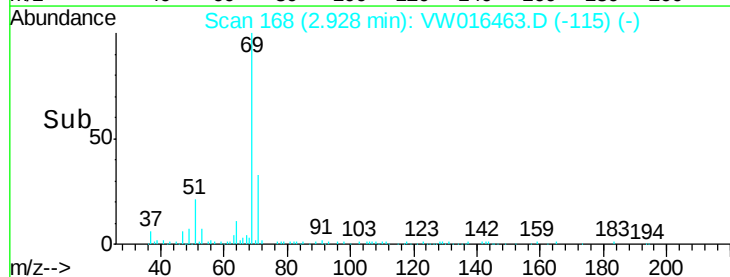
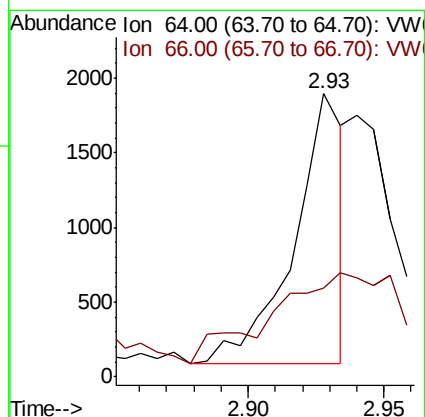
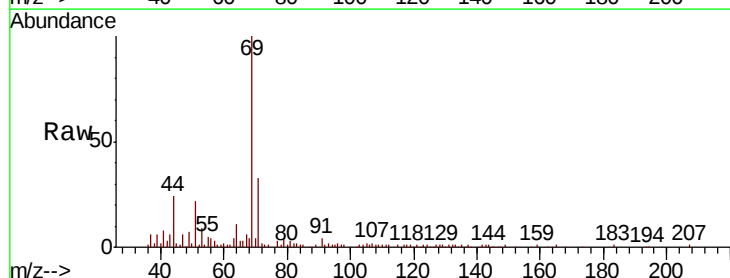
Acq: 04 Sep 2020 14:30

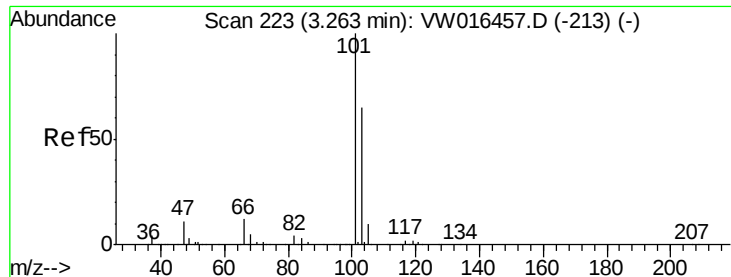
Tgt Ion: 64 Resp: 2285

Ion Ratio Lower Upper

64 100

66 31.2 22.4 41.6





#9

Trichlorofluoromethane

Concen: 0.569 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.01 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

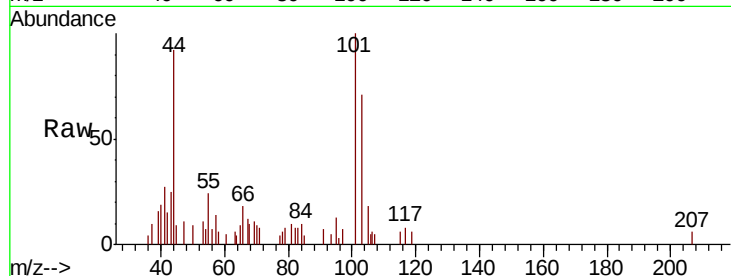
MDL05

Tot Ion:101 Resp: 4115

Ion Ratio Lower Upper

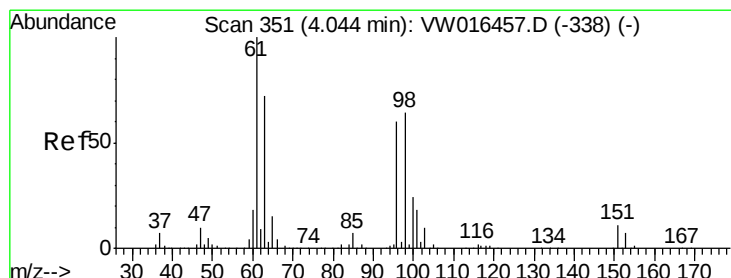
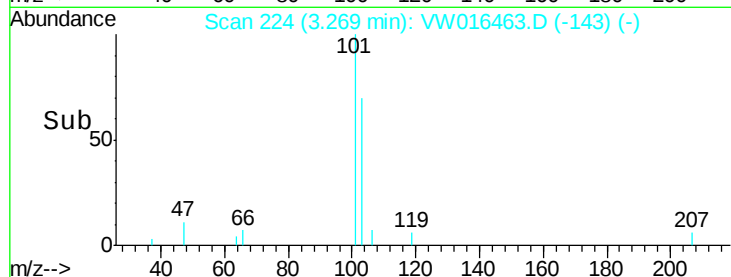
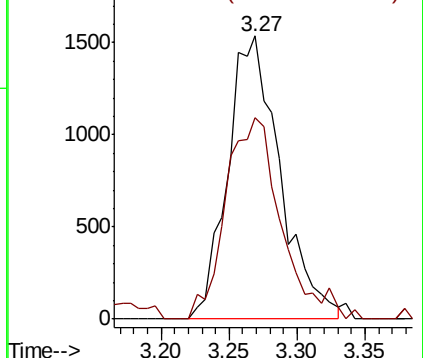
101 100

103 73.0 45.1 83.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1-Dichloroethene

Concen: 0.988 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

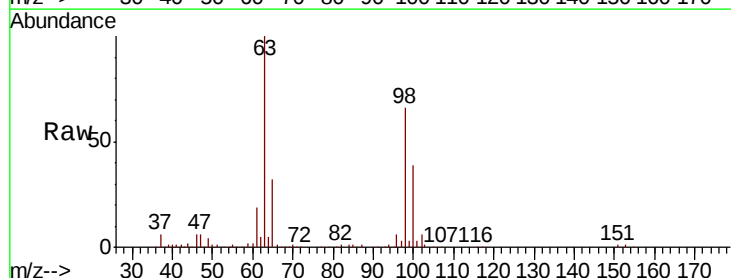
Tgt Ion: 96 Resp: 8589

Ion Ratio Lower Upper

96 100

61 341.1 116.5 216.3#

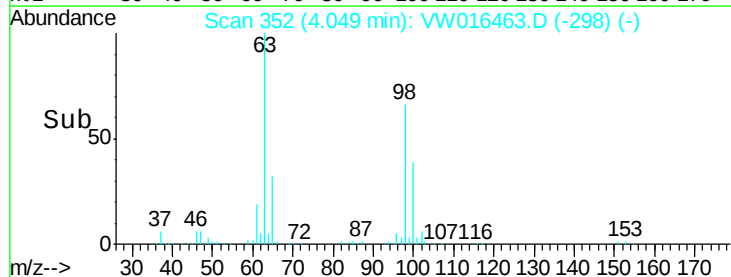
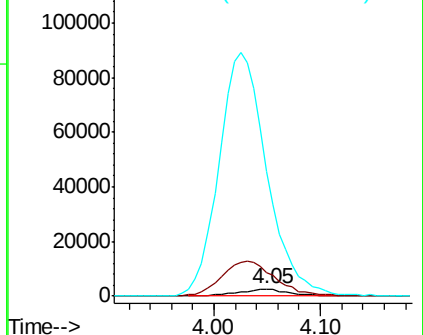
63 1792.3 81.1 150.5#

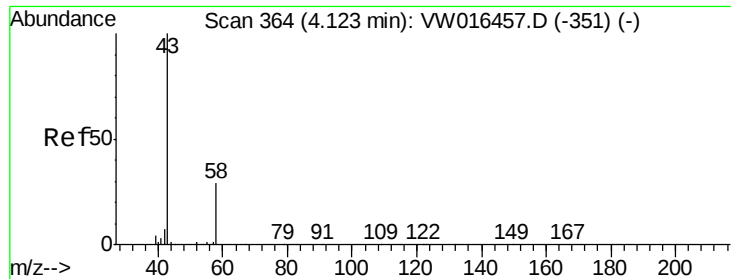


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 2.820 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

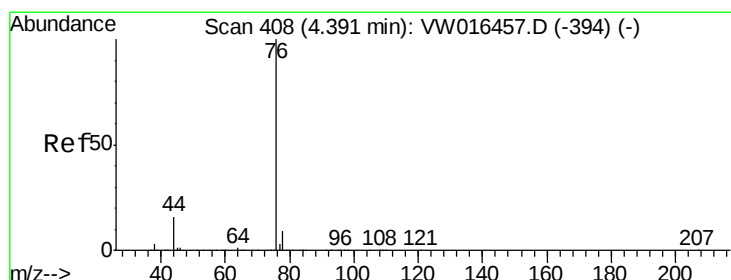
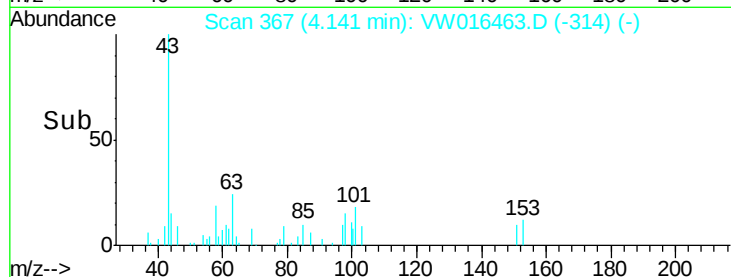
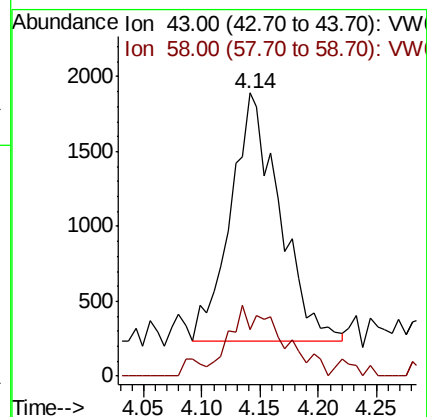
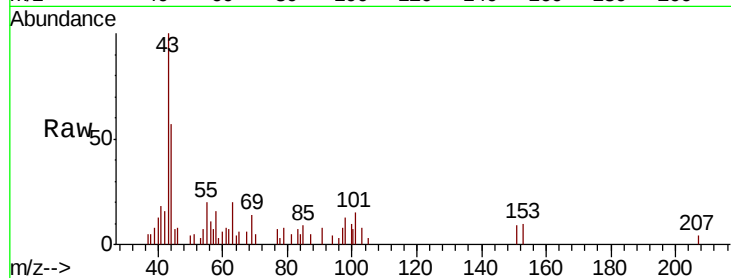
MDL05

Tot Ion: 43 Resp: 4840

Ion Ratio Lower Upper

43 100

58 12.1 0.0 63.0



#14

Carbon disulfide

Concen: 0.661 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016463.D

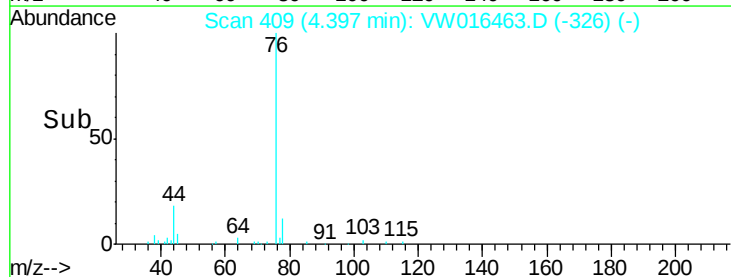
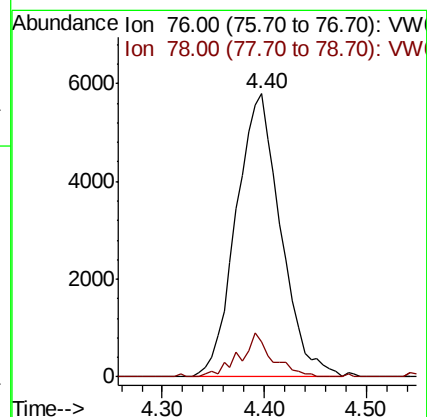
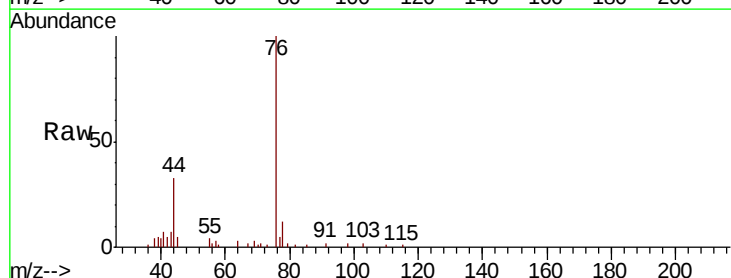
Acq: 04 Sep 2020 14:30

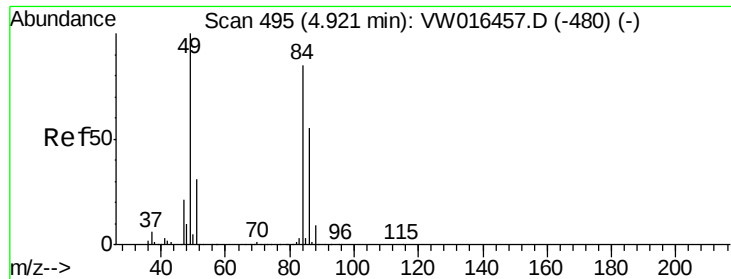
Tgt Ion: 76 Resp: 17567

Ion Ratio Lower Upper

76 100

78 12.2 7.3 10.9#

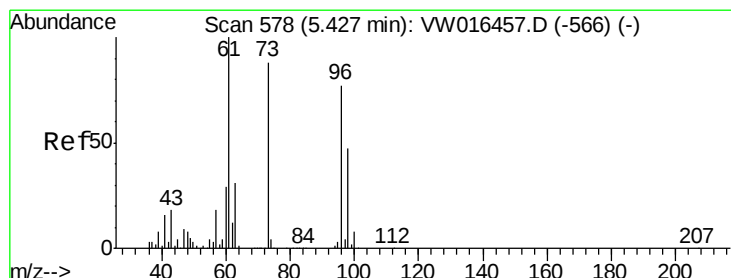
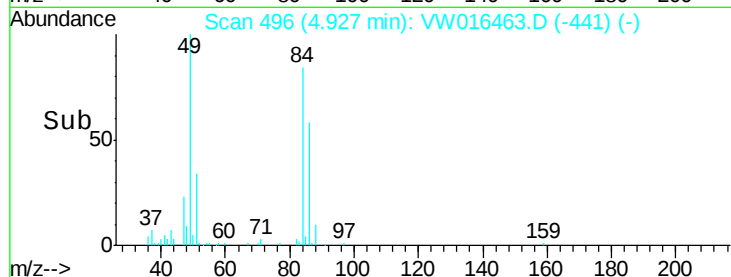
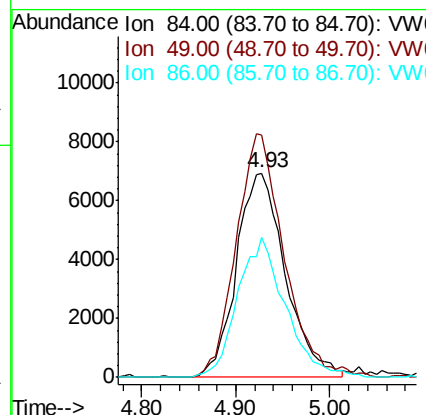
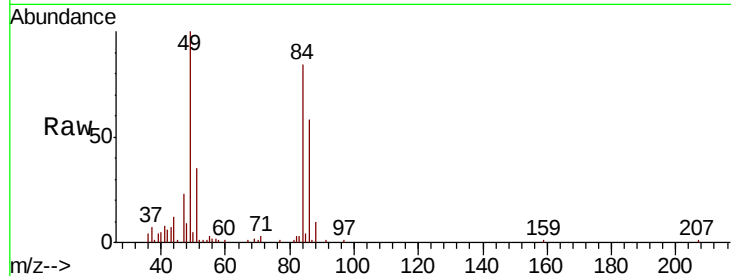




#16
Methylene chloride
Concen: 2.291 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016463.D
Acq: 04 Sep 2020 14:30

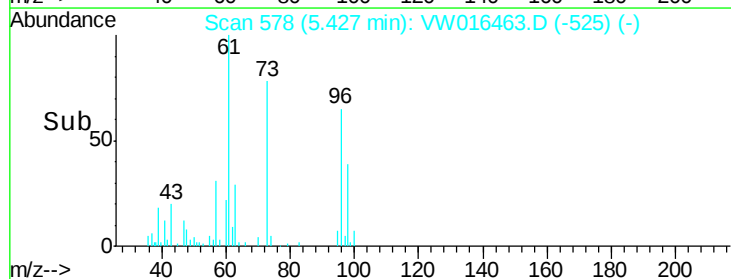
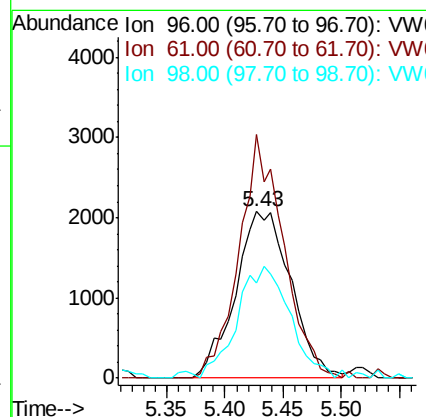
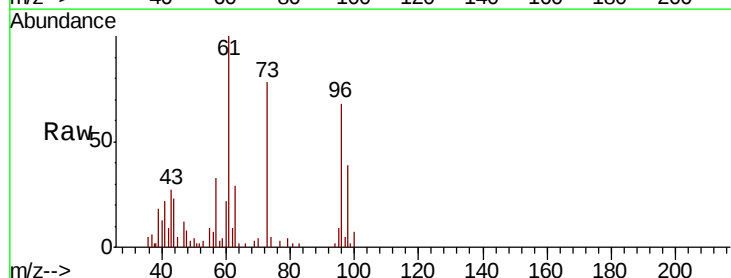
Instrument :
MSVOA_W
ClientSampled :
MDL05

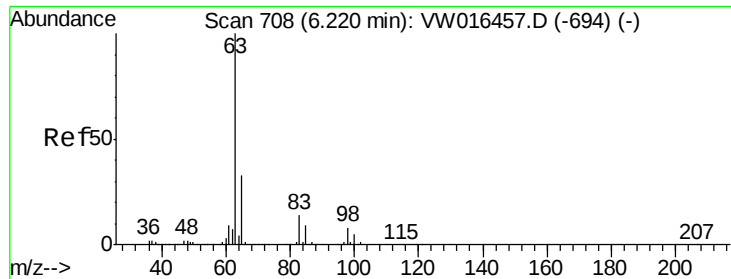
Tot Ion: 84 Resp: 25240
Ion Ratio Lower Upper
84 100
49 118.8 86.7 160.9
86 68.5 44.9 83.5



#18
trans-1,2-Dichloroethene
Concen: 0.745 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016463.D
Acq: 04 Sep 2020 14:30

Tgt Ion: 96 Resp: 6883
Ion Ratio Lower Upper
96 100
61 146.4 96.4 179.0
98 57.3 45.1 83.7

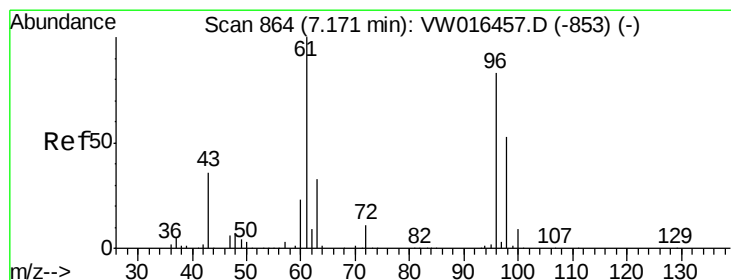
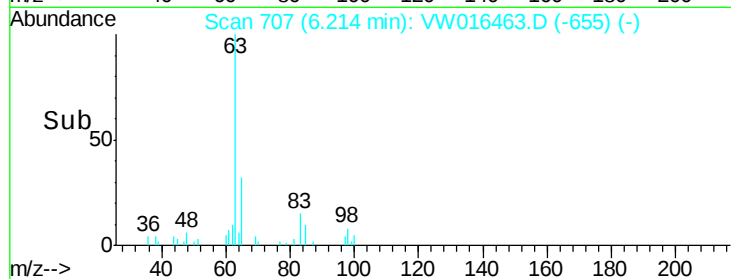
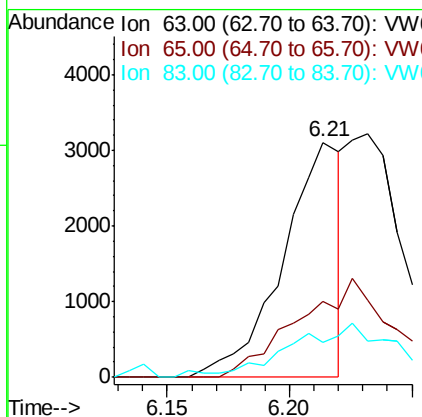
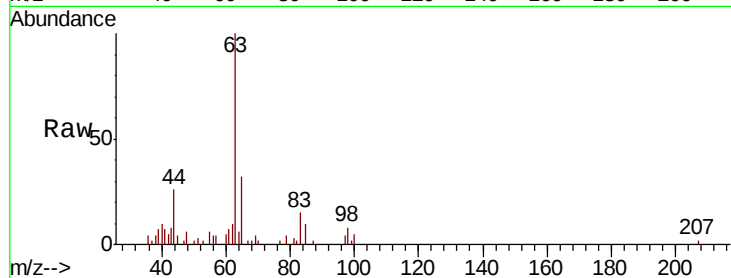




#19
 1,1-Dichloroethane
 Concen: 0.330 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW016463.D
 Acq: 04 Sep 2020 14:30

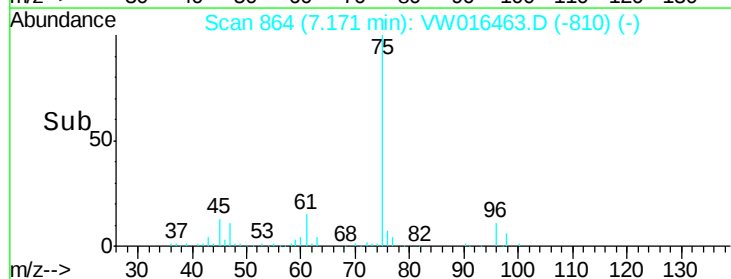
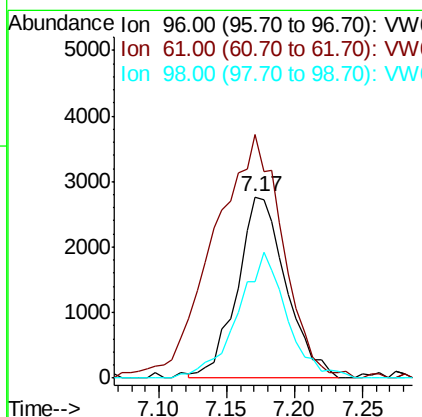
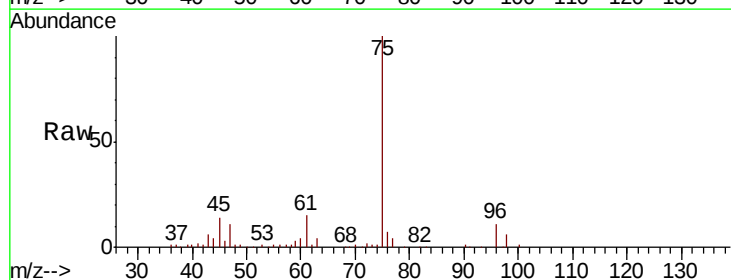
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

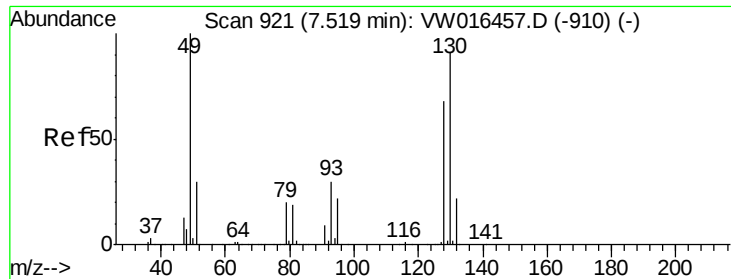
Tot Ion: 63 Resp: 5186
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.3 43.3
 83 15.1 10.3 19.1



#22
 cis-1,2-Dichloroethene
 Concen: 0.721 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016463.D
 Acq: 04 Sep 2020 14:30

Tgt Ion: 96 Resp: 6942
 Ion Ratio Lower Upper
 96 100
 61 134.3 86.1 159.9
 98 53.2 44.1 81.9





#23

Bromochloromethane

Concen: 0.764 ug/L

RT: 7.52 min Scan# 922

Delta R.T. 0.01 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Instrument :

MSVOA_W

ClientSampled :

MDL05

Tot Ion:128 Resp: 3408

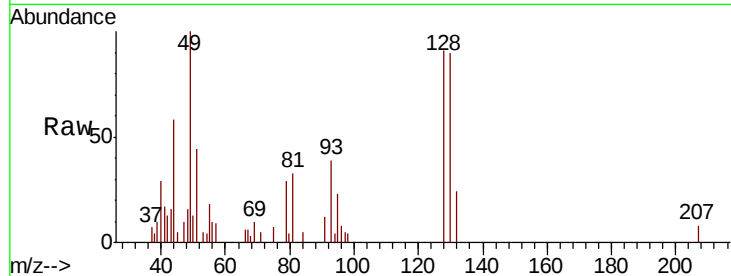
Ion Ratio Lower Upper

128 100

49 110.4 111.6 207.4#

130 98.8 90.9 168.7

51 49.0 38.5 57.7

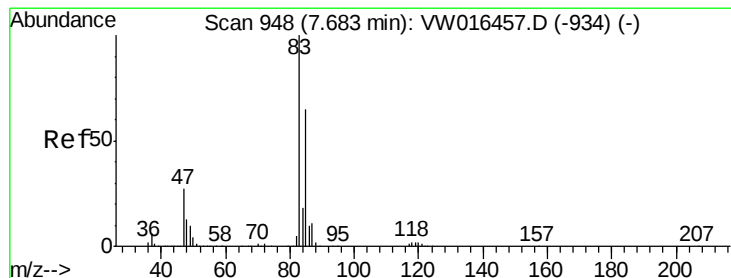
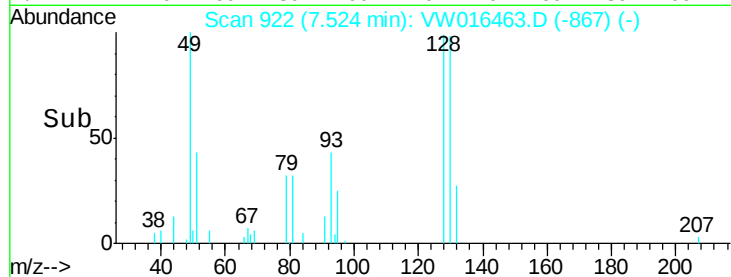
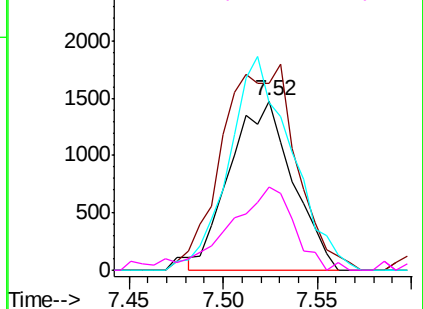


Abundance Ion 128.00 (127.70 to 128.70): V

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: 0.789 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW016463.D

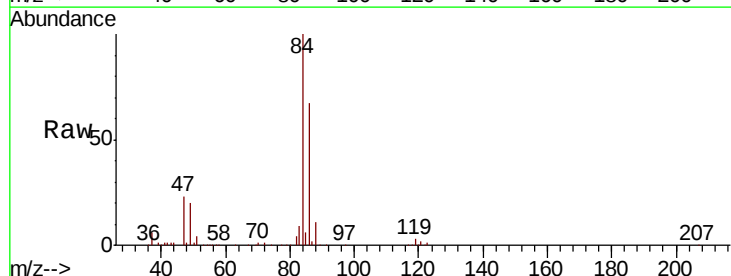
Acq: 04 Sep 2020 14:30

Tgt Ion: 83 Resp: 12833

Ion Ratio Lower Upper

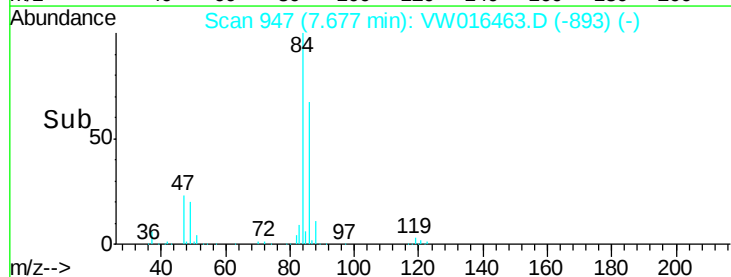
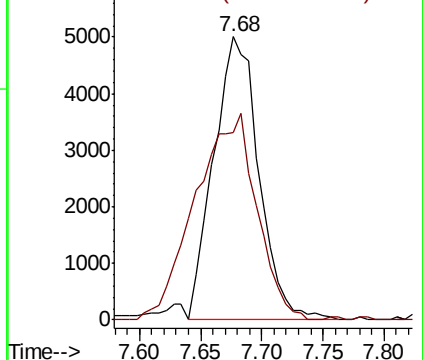
83 100

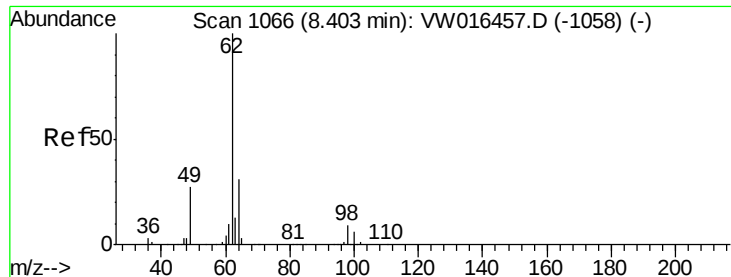
85 0.3 45.6 84.8#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 0.714 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

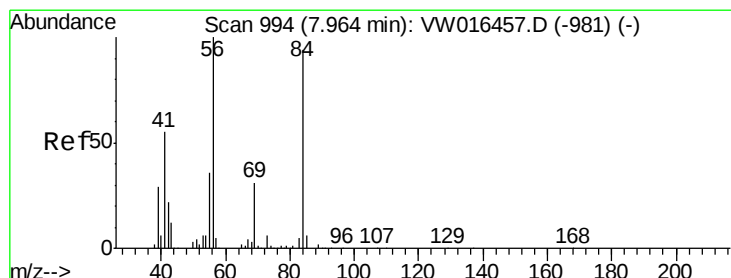
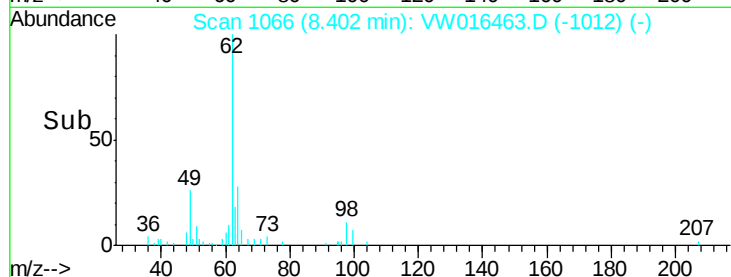
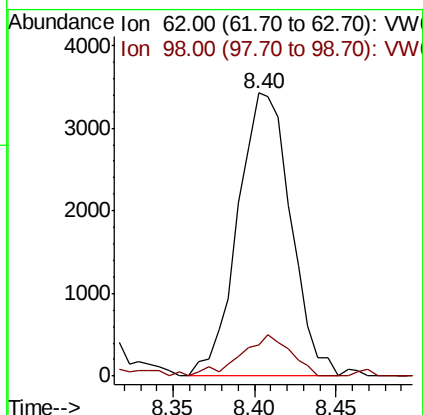
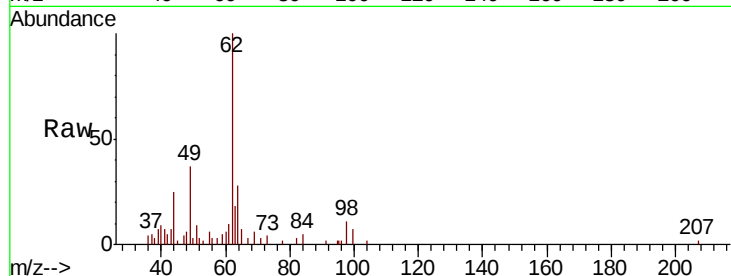
MDL05

Tot Ion: 62 Resp: 7733

Ion Ratio Lower Upper

62 100

98 11.2 7.3 10.9#



#30

Cyclohexane

Concen: 0.672 ug/L

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

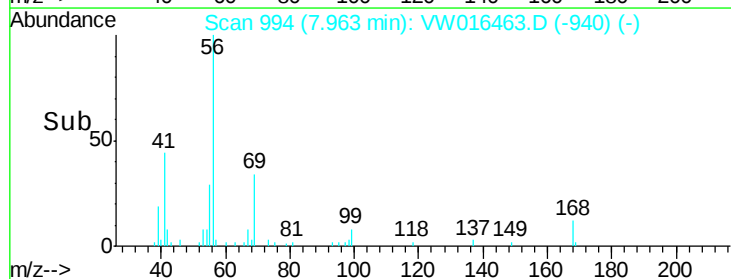
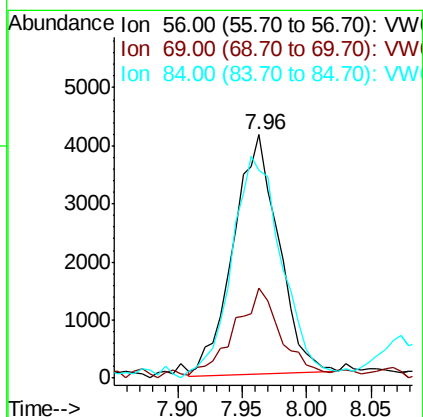
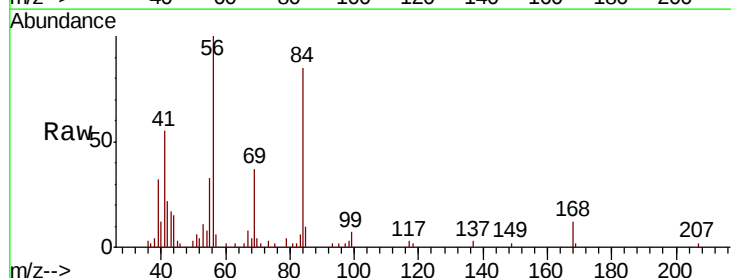
Tgt Ion: 56 Resp: 10124

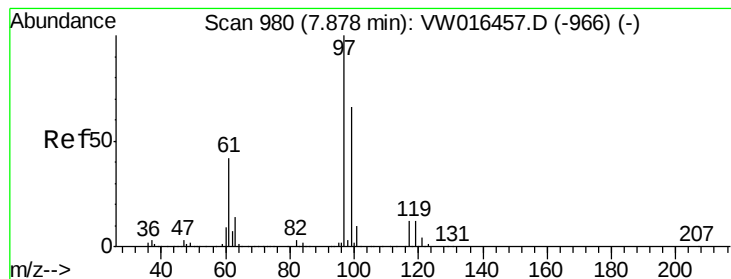
Ion Ratio Lower Upper

56 100

69 21.4 25.3 37.9#

84 102.8 71.6 107.4





#31

1,1,1-Trichloroethane

Concen: 0.735 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

MDL05

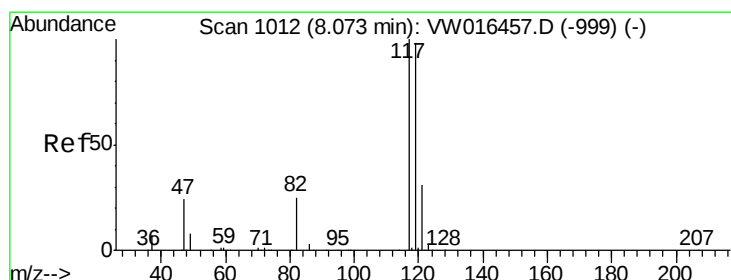
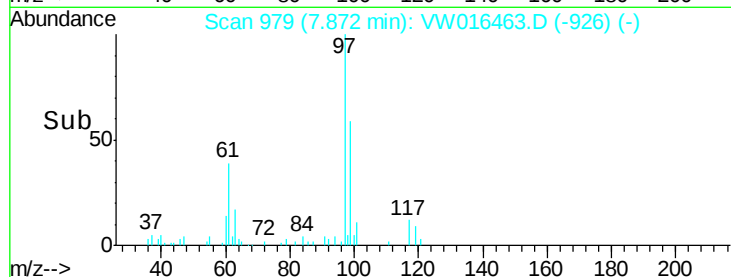
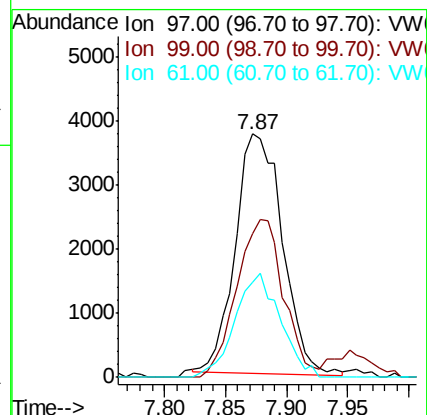
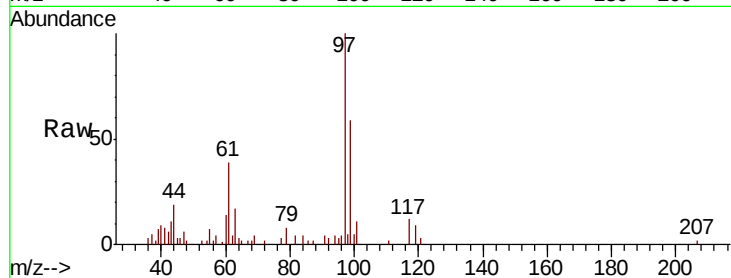
Tot Ion: 97 Resp: 10038

Ion Ratio Lower Upper

97 100

99 65.3 52.2 78.2

61 41.7 36.3 54.5



#32

Carbon tetrachloride

Concen: 0.663 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016463.D

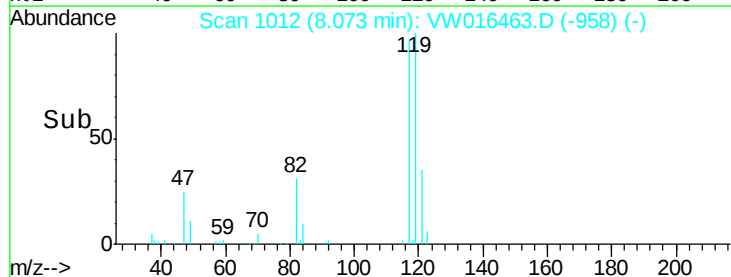
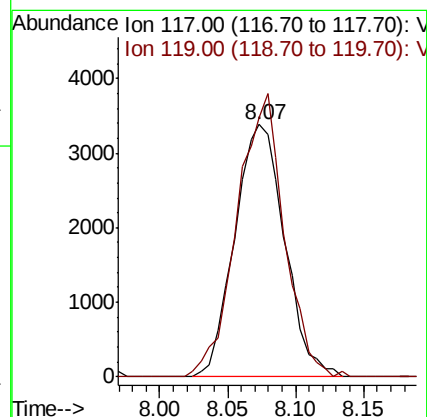
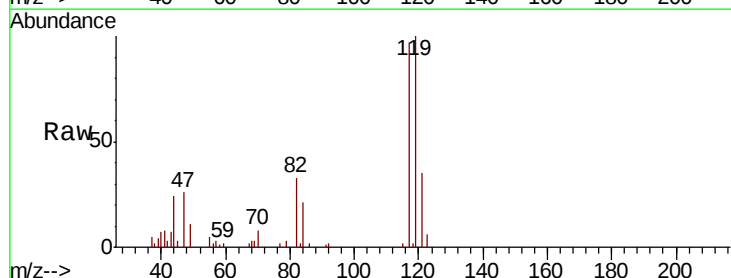
Acq: 04 Sep 2020 14:30

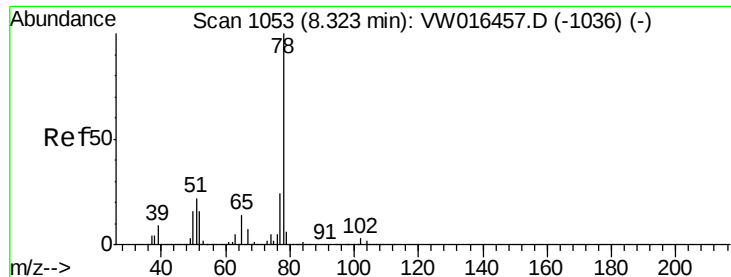
Tgt Ion: 117 Resp: 8663

Ion Ratio Lower Upper

117 100

119 105.8 77.8 116.6





#34

Benzene

Concen: 0.709 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

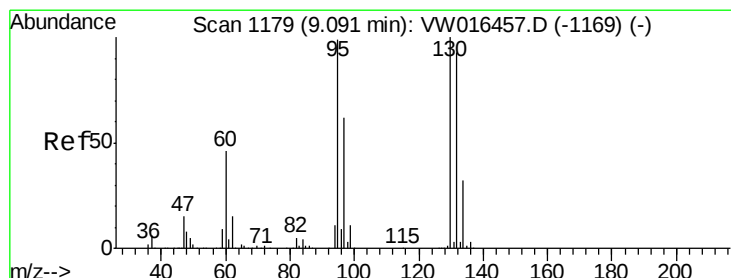
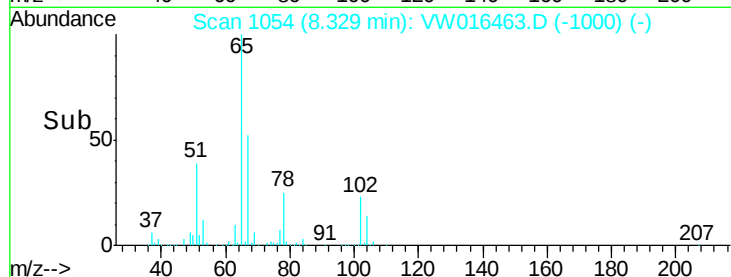
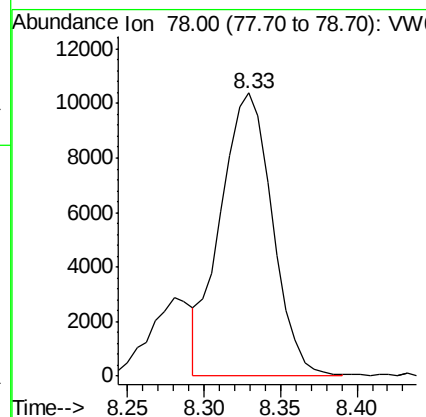
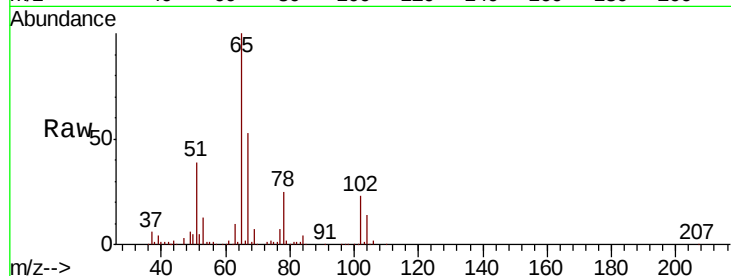
Instrument :

MSVOA_W

ClientSampleId :

MDL05

Tgt Ion: 78 Resp: 24446



#35

Trichloroethene

Concen: 0.772 ug/L

RT: 9.10 min Scan# 1180

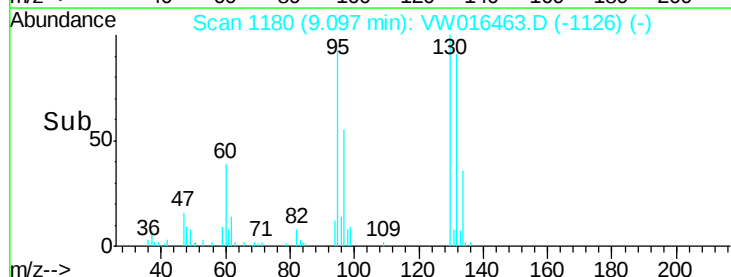
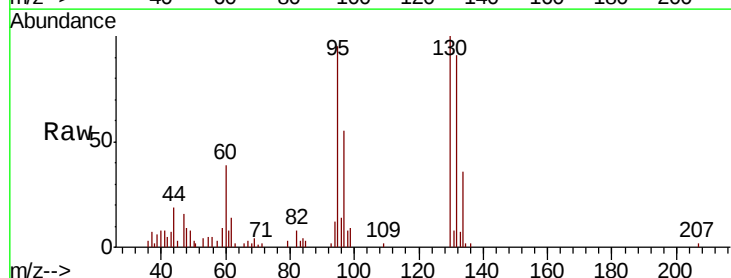
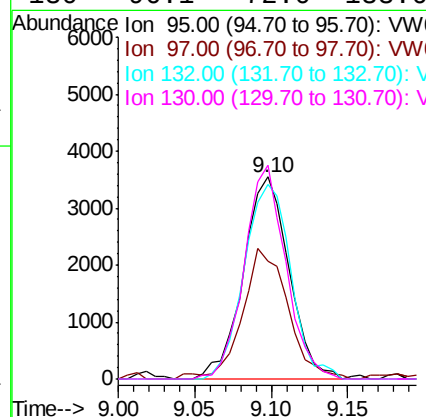
Delta R.T. -0.00 min

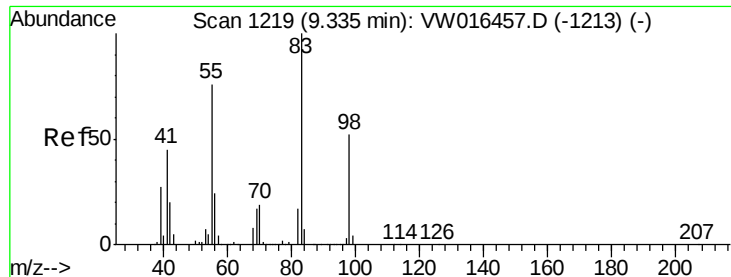
Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Tgt Ion: 95 Resp: 7374

Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.9	83.5
132	98.5	69.2	128.4
130	96.1	72.0	133.6

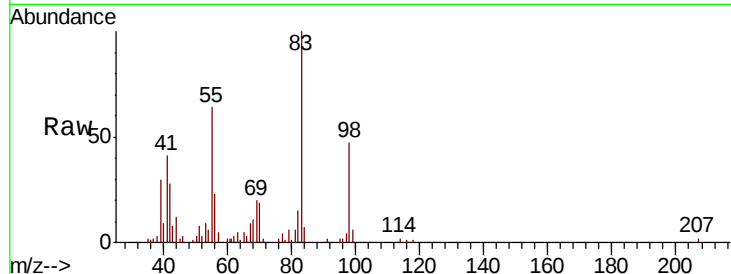




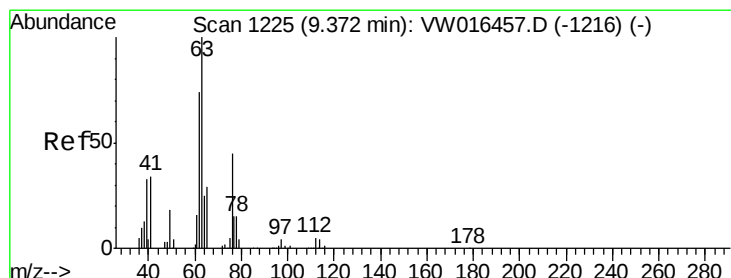
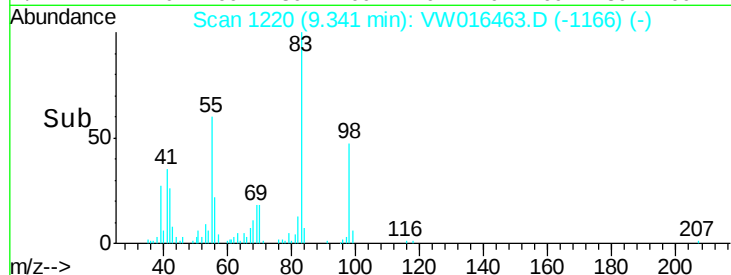
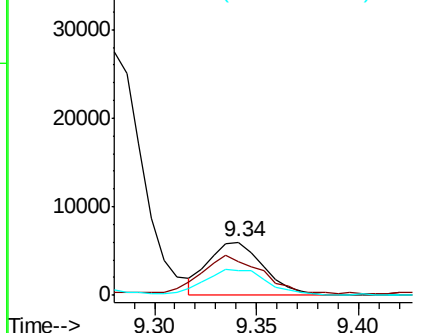
#36
Methvlcvclohexane
Concen: 0.677 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW016463.D
Acq: 04 Sep 2020 14:30

Instrument :
MSVOA_W
ClientSampled :
MDL05

Tot Ion: 83 Resp: 11314
Ion Ratio Lower Upper
83 100
55 79.6 60.9 91.3
98 55.0 40.0 60.0

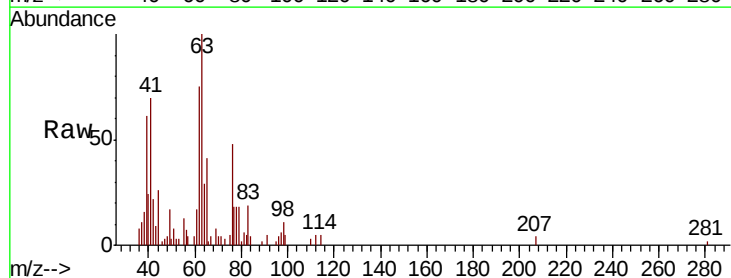


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

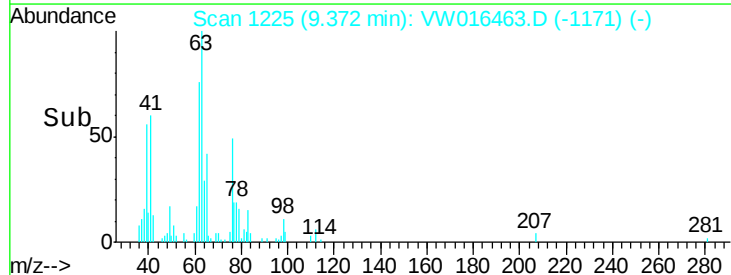
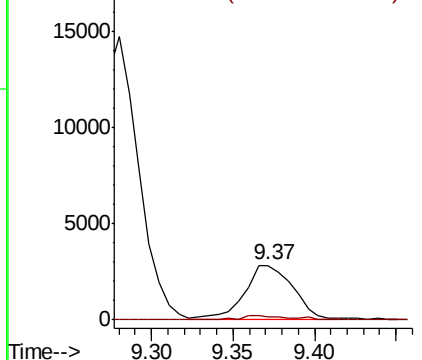


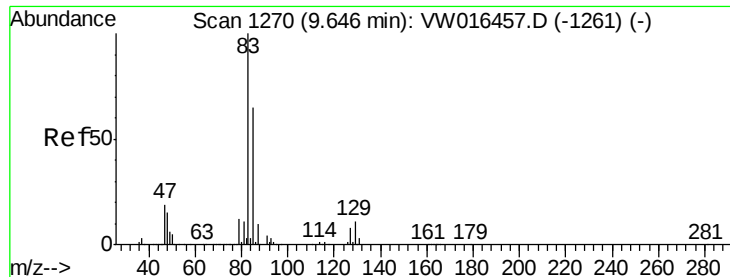
#40
1,2-Dichloropropane
Concen: 0.699 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW016463.D
Acq: 04 Sep 2020 14:30

Tgt Ion: 63 Resp: 5961
Ion Ratio Lower Upper
63 100
112 5.8 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V





#41

Bromodichloromethane

Concen: 0.729 ug/L

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

MDL05

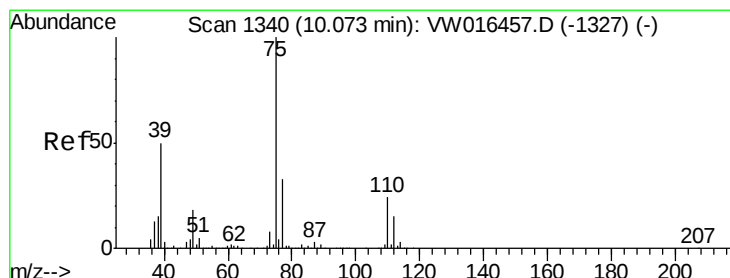
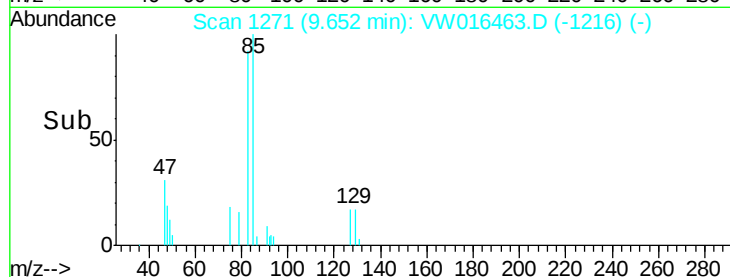
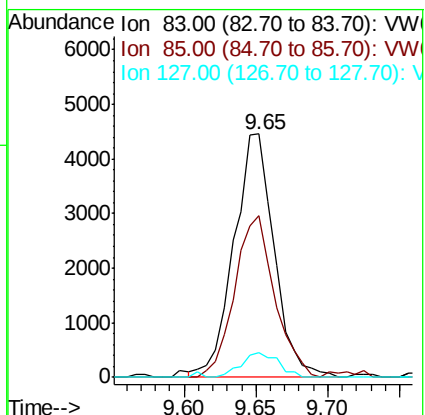
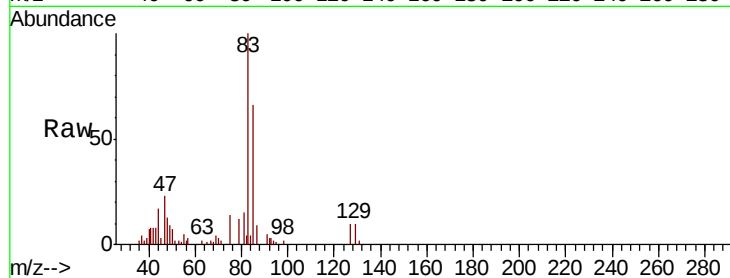
Tot Ion: 83 Resp: 8691

Ion Ratio Lower Upper

83 100

85 66.3 43.5 80.7

127 10.2 6.7 10.1#



#42

cis-1,3-Dichloropropene

Concen: 0.725 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW016463.D

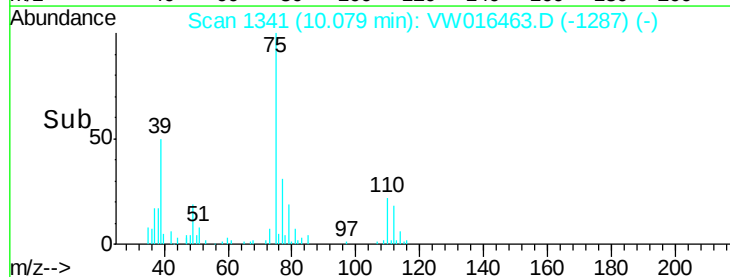
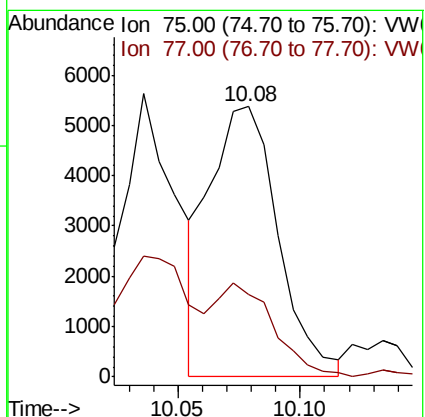
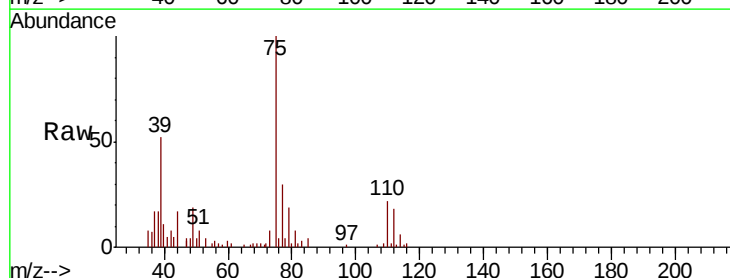
Acq: 04 Sep 2020 14:30

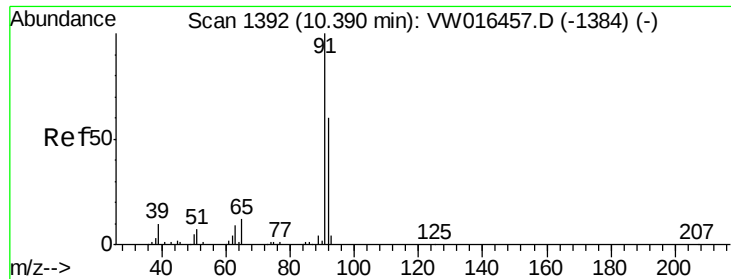
Tgt Ion: 75 Resp: 10484

Ion Ratio Lower Upper

75 100

77 30.5 20.9 38.7





#44

Toluene

Concen: 0.743 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Instrument :

MSVOA_W

ClientSampled :

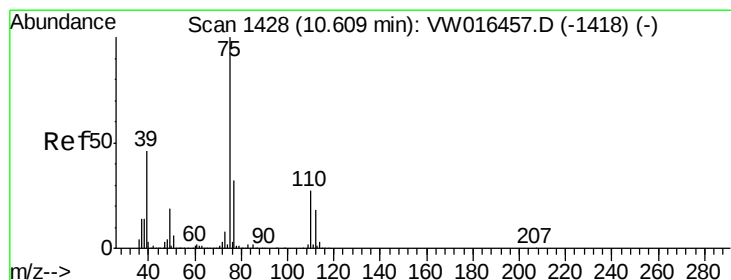
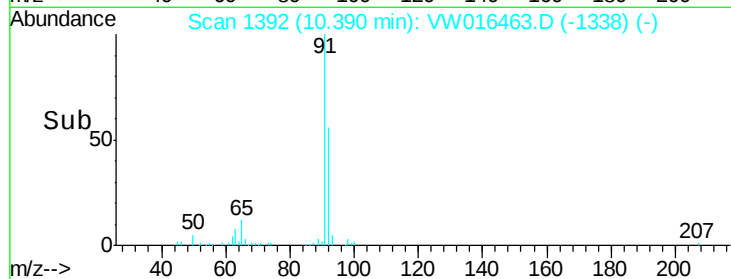
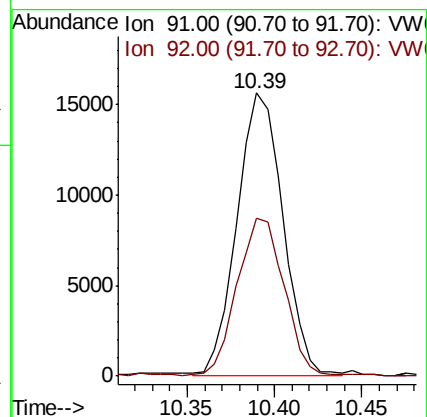
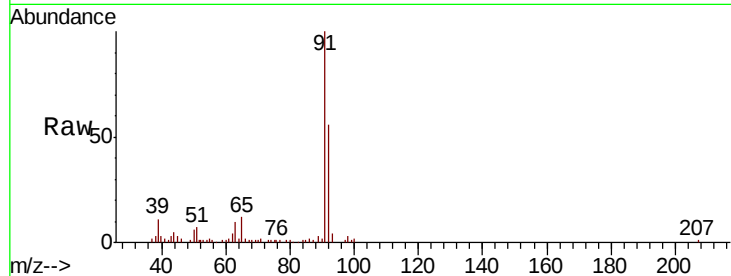
MDL05

Tot Ion: 91 Resp: 28659

Ion Ratio Lower Upper

91 100

92 55.7 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 0.800 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016463.D

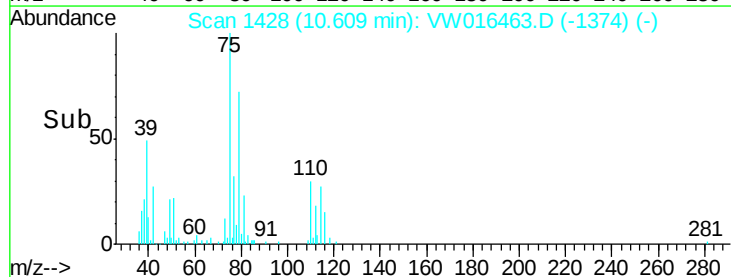
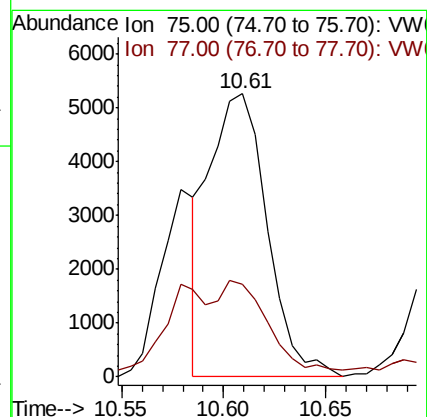
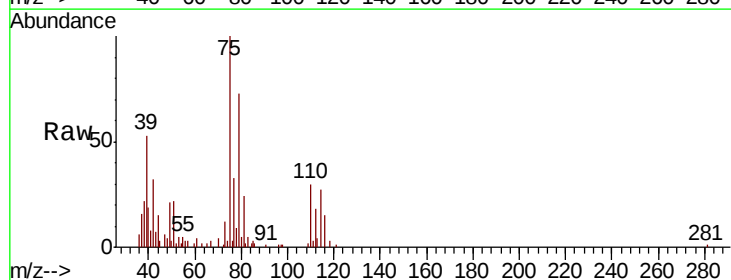
Acq: 04 Sep 2020 14:30

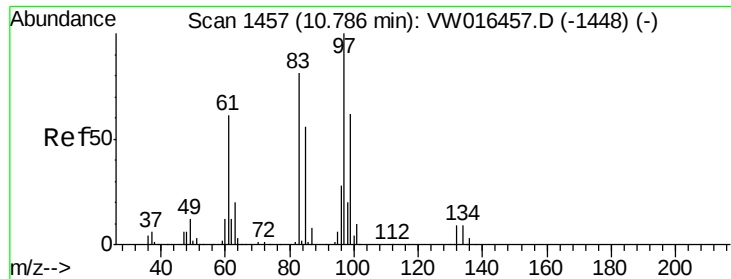
Tgt Ion: 75 Resp: 10348

Ion Ratio Lower Upper

75 100

77 33.0 21.9 40.7

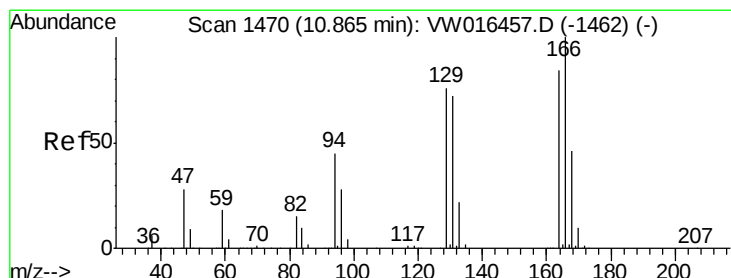
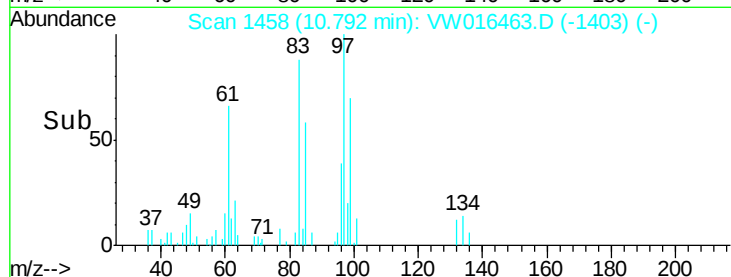
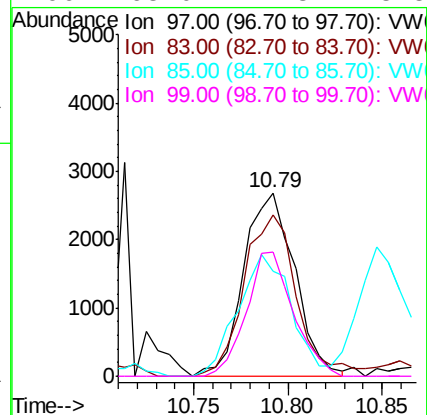
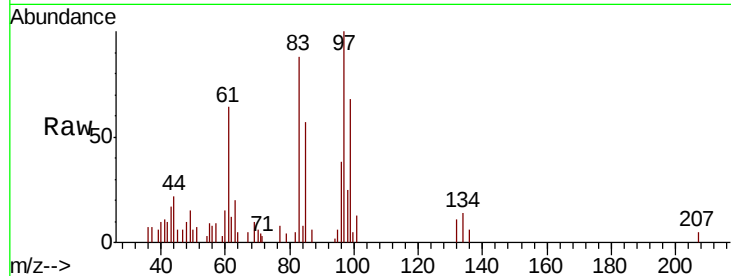




#46
 1,1,2-Trichloroethane
 Concen: 0.744 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016463.D
 Acq: 04 Sep 2020 14:30

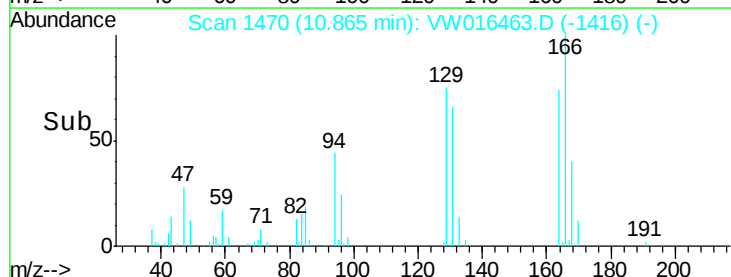
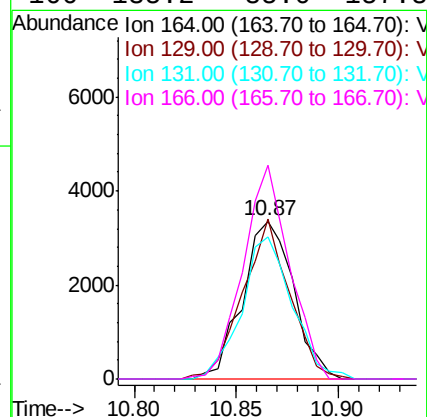
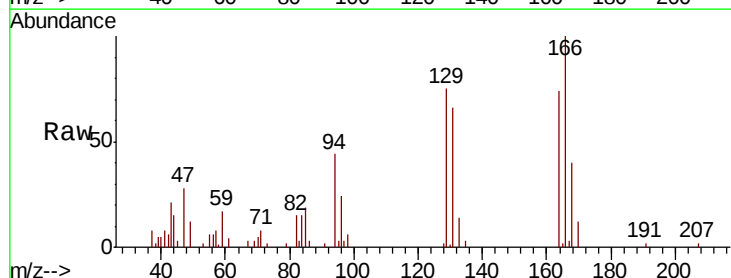
Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

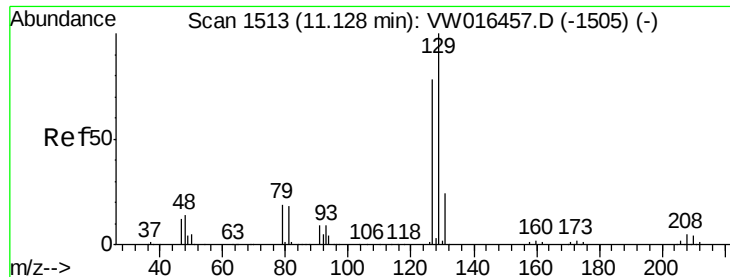
Tot Ion: 97 Resp: 5026
 Ion Ratio Lower Upper
 97 100
 83 88.3 59.7 110.9
 85 56.9 37.6 69.8
 99 68.0 42.3 78.5



#47
 Tetrachloroethene
 Concen: 0.762 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016463.D
 Acq: 04 Sep 2020 14:30

Tgt Ion: 164 Resp: 5833
 Ion Ratio Lower Upper
 164 100
 129 101.0 65.7 121.9
 131 89.7 61.1 113.5
 166 135.2 85.0 157.8





#50

Dibromochloromethane

Concen: 0.711 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

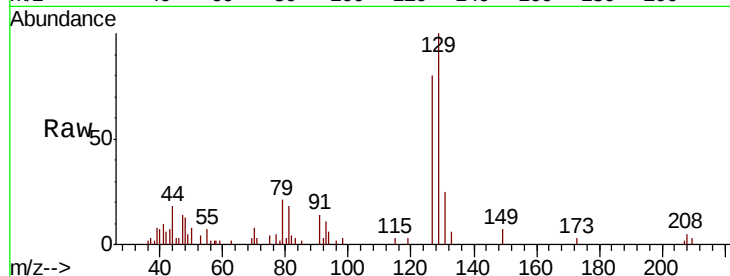
MDL05

Tot Ion:129 Resp: 6076

Ion Ratio Lower Upper

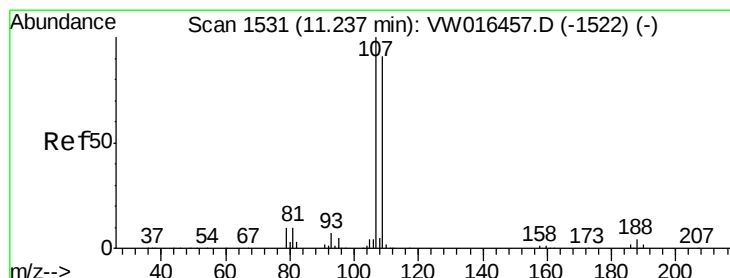
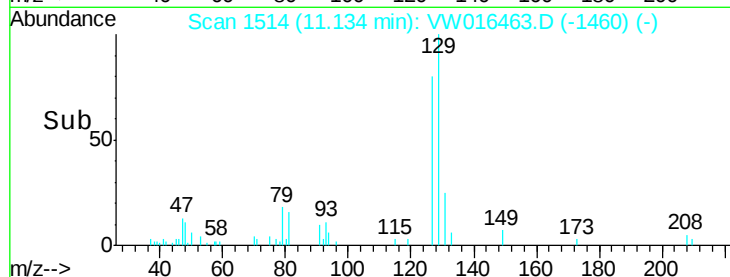
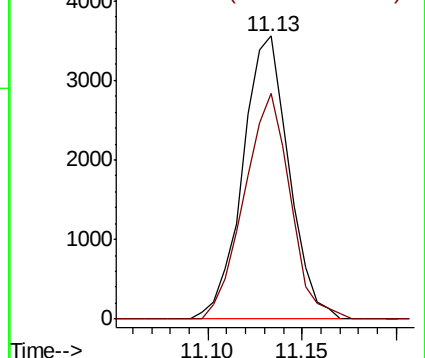
129 100

127 79.7 55.4 103.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 0.751 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

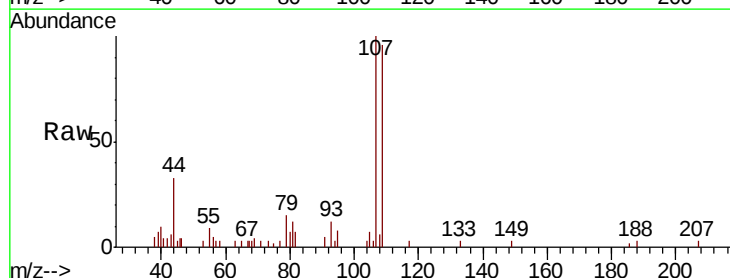
Tgt Ion:107 Resp: 5069

Ion Ratio Lower Upper

107 100

109 96.0 64.8 120.4

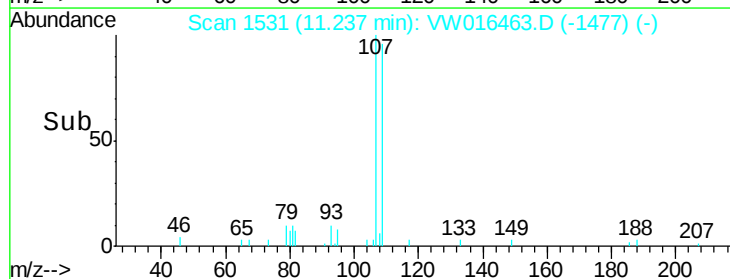
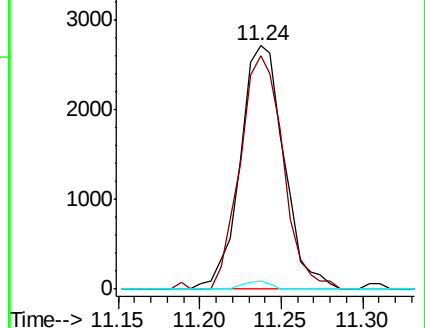
188 3.1 3.4 5.0#

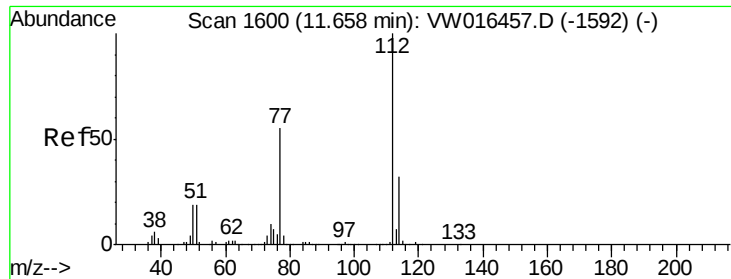


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

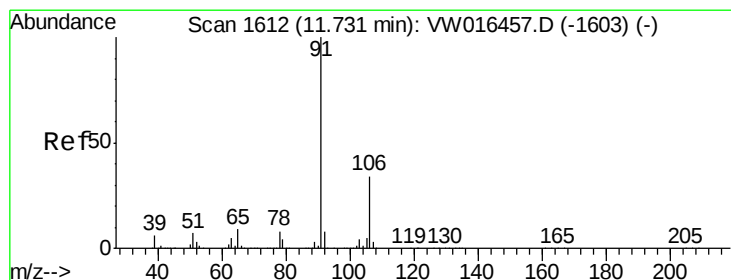
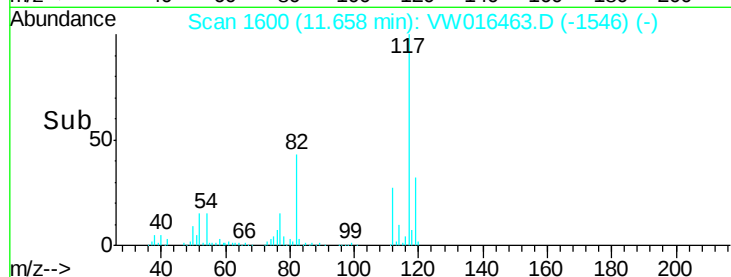
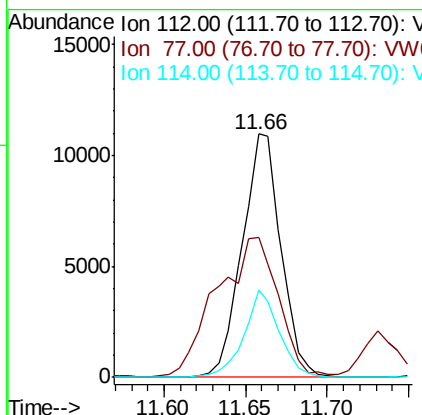
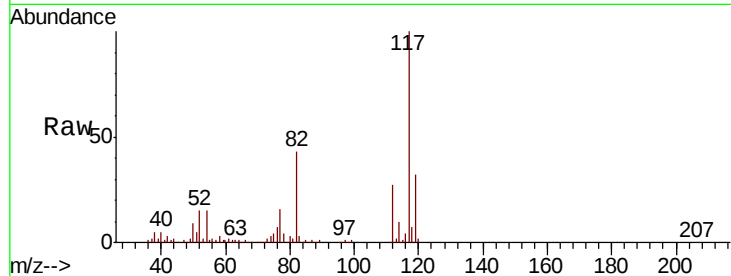




#52
Chlorobenzene
Concen: 0.744 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016463.D
Acq: 04 Sep 2020 14:30

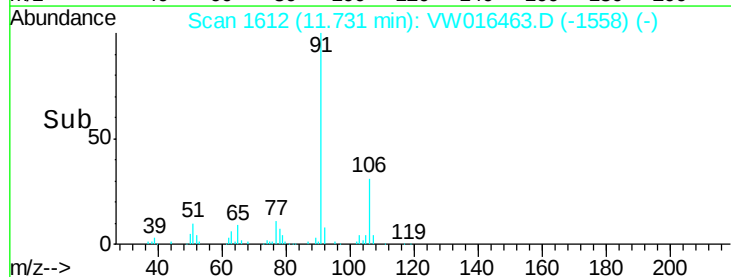
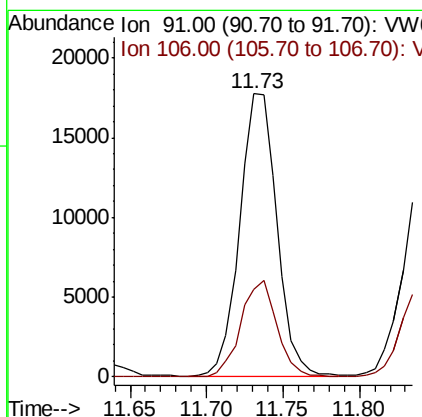
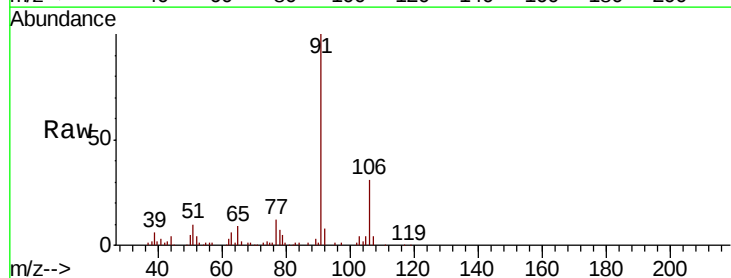
Instrument :
MSVOA_W
ClientSampled :
MDL05

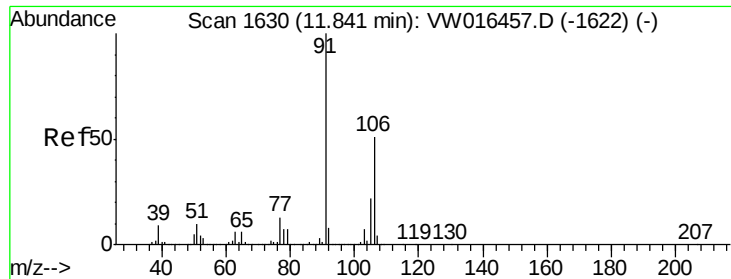
Tot Ion:112 Resp: 18200
Ion Ratio Lower Upper
112 100
77 57.3 46.2 69.2
114 36.1 21.1 39.3



#53
Ethylbenzene
Concen: 0.694 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016463.D
Acq: 04 Sep 2020 14:30

Tgt Ion: 91 Resp: 30160
Ion Ratio Lower Upper
91 100
106 31.1 21.6 40.2





#54

m,p-Xylene

Concen: 0.723 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Instrument :

MSVOA_W

ClientSampled :

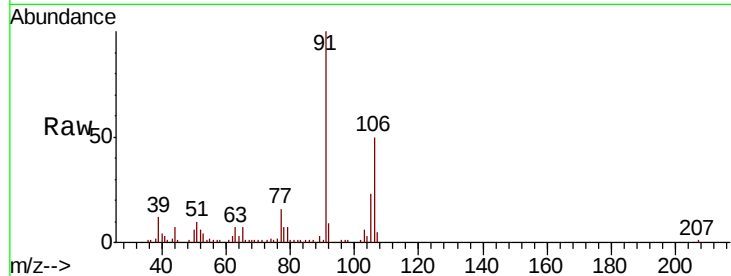
MDL05

Tot Ion:106 Resp: 12015

Ion Ratio Lower Upper

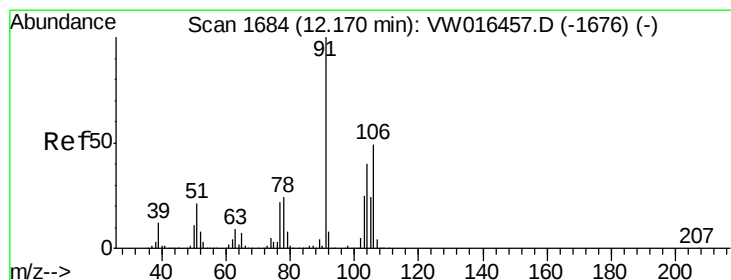
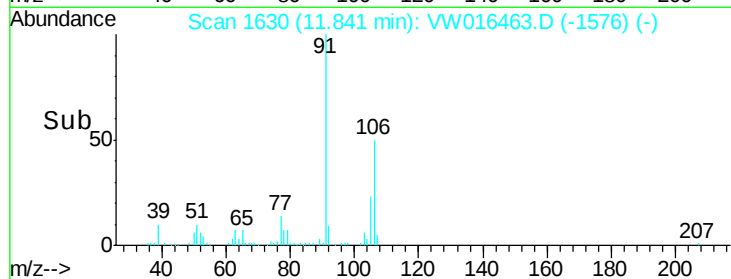
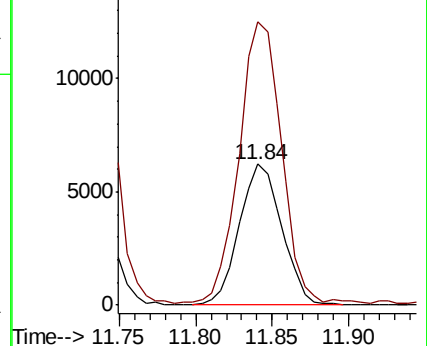
106 100

91 200.7 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.698 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016463.D

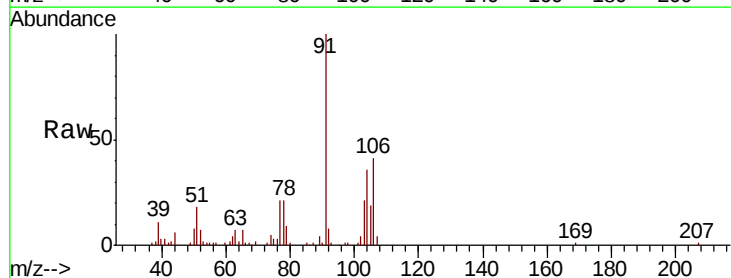
Acq: 04 Sep 2020 14:30

Tgt Ion:106 Resp: 11037

Ion Ratio Lower Upper

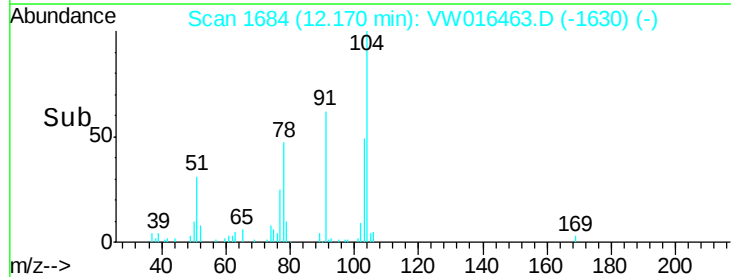
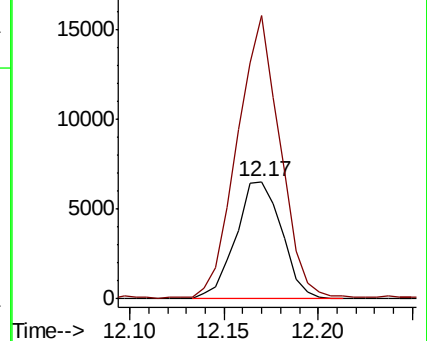
106 100

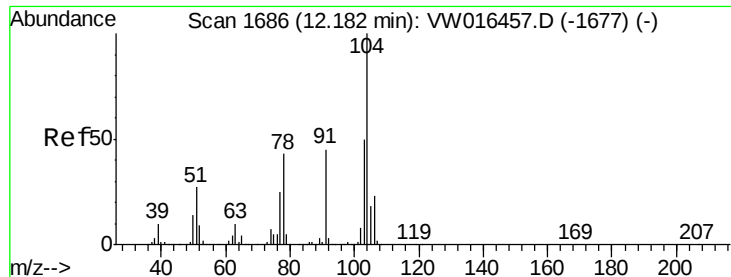
91 241.7 144.3 267.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 0.704 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Instrument :

MSVOA_W

ClientSampled :

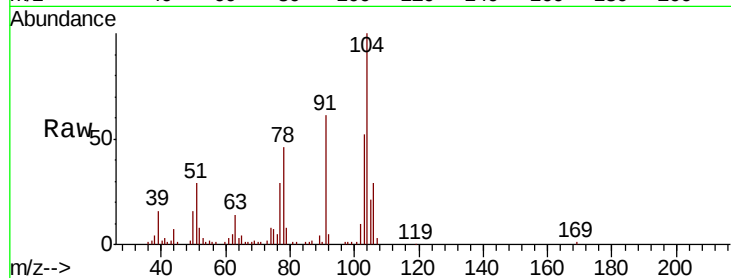
MDL05

Tot Ion:104 Resp: 19148

Ion Ratio Lower Upper

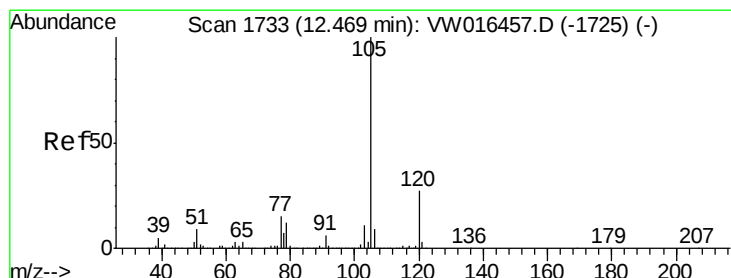
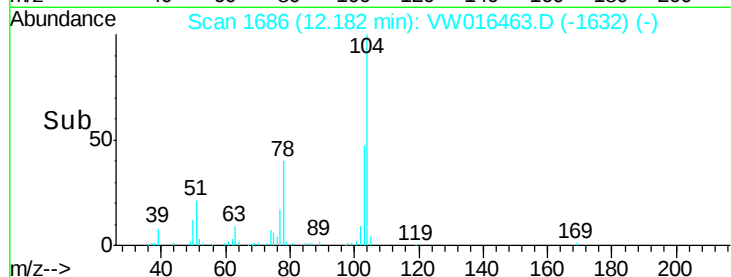
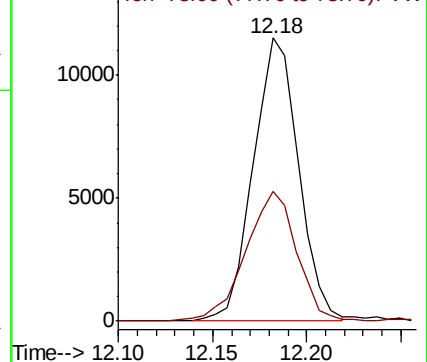
104 100

78 46.0 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V



#57

Isopropylbenzene

Concen: 0.769 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

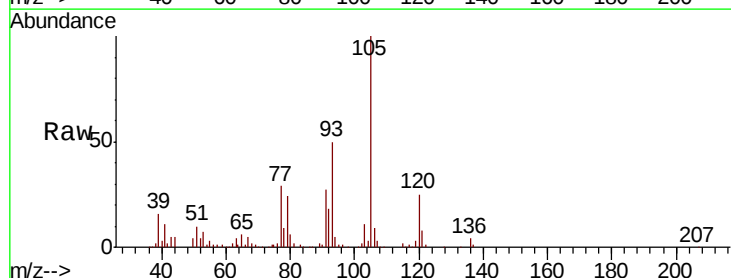
Tgt Ion:105 Resp: 33314

Ion Ratio Lower Upper

105 100

120 25.2 21.9 32.9

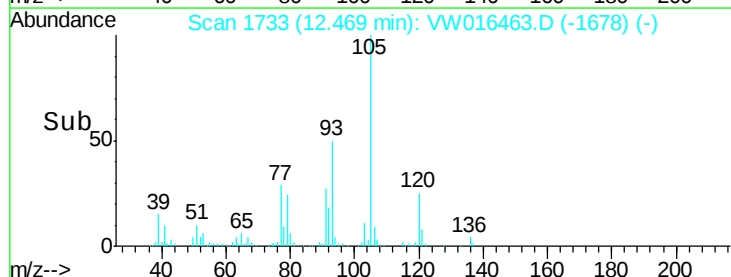
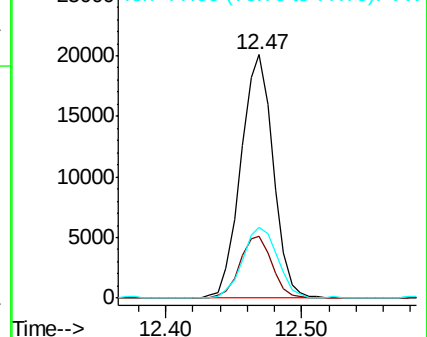
77 31.8 13.0 19.6#

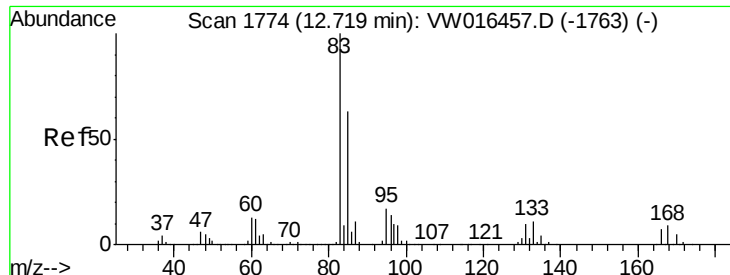


Abundance Ion 105.00 (104.70 to 105.70): V

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: 0.896 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Instrument :

MSVOA_W

ClientSampled :

MDL05

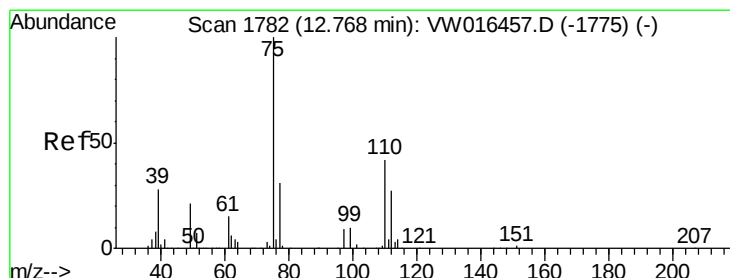
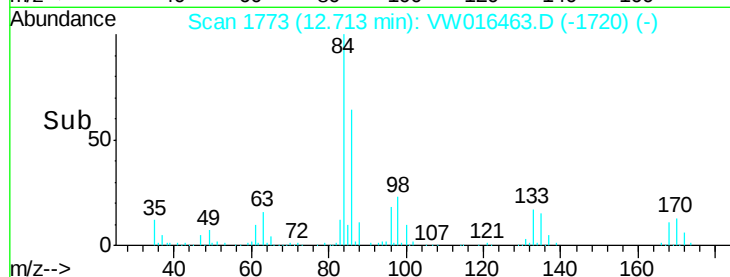
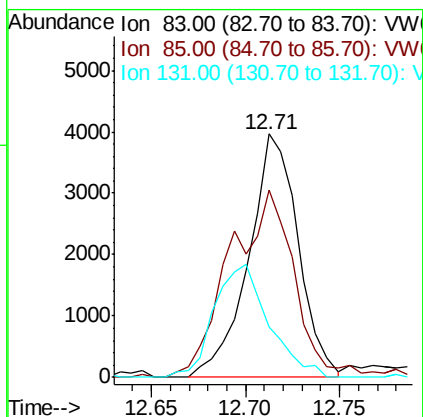
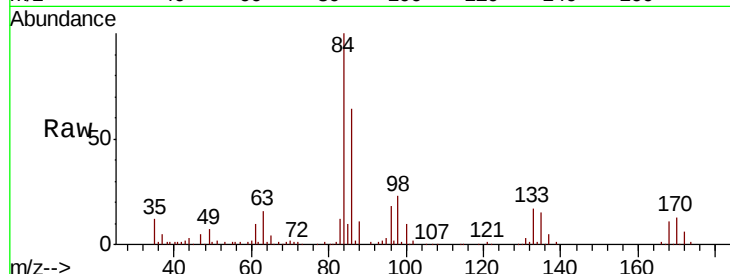
Tot Ion: 83 Resp: 7220

Ion Ratio Lower Upper

83 100

85 76.7 45.3 84.1

131 20.7 8.7 13.1#



#59

1,2,3-Trichloropropane

Concen: 0.720 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW016463.D

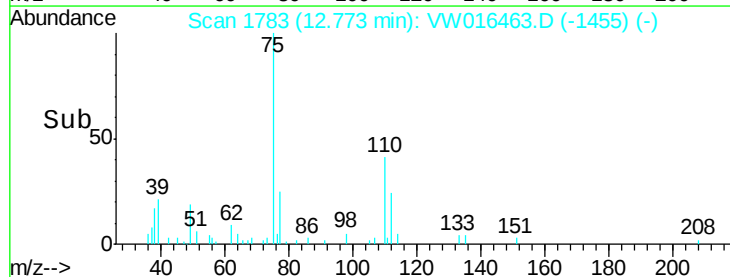
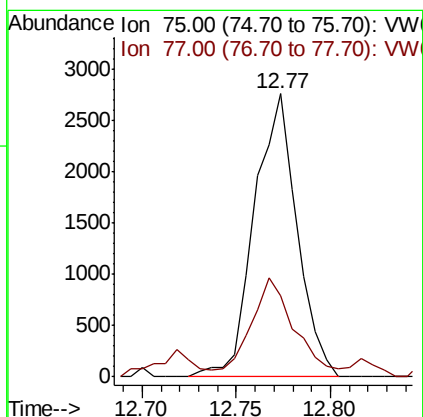
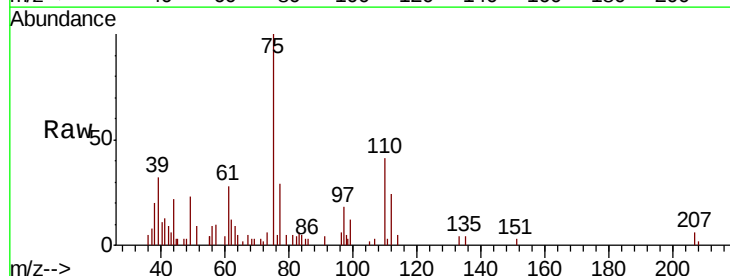
Acq: 04 Sep 2020 14:30

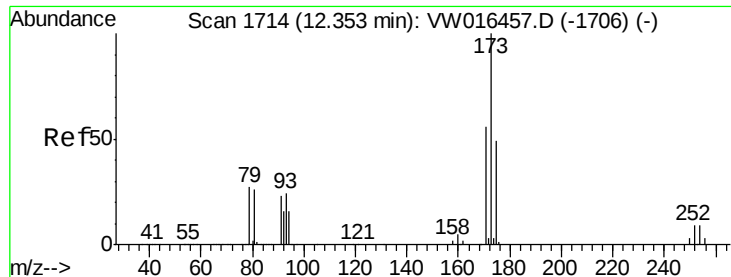
Tgt Ion: 75 Resp: 4331

Ion Ratio Lower Upper

75 100

77 36.1 26.0 39.0

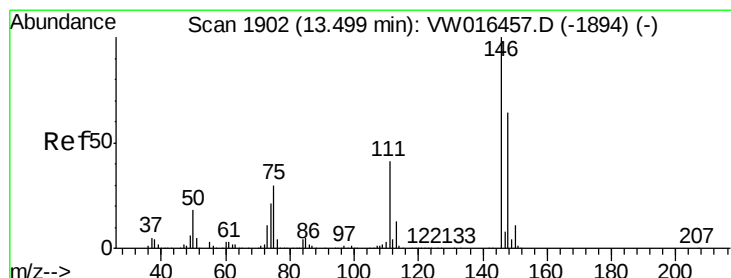
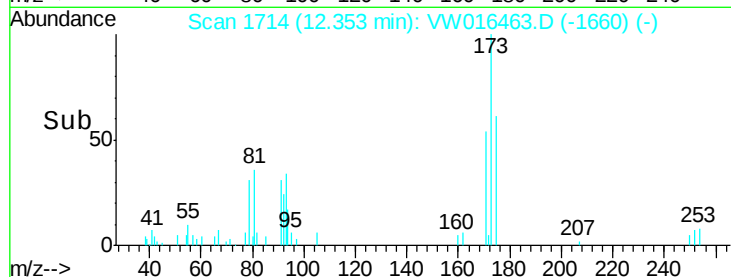
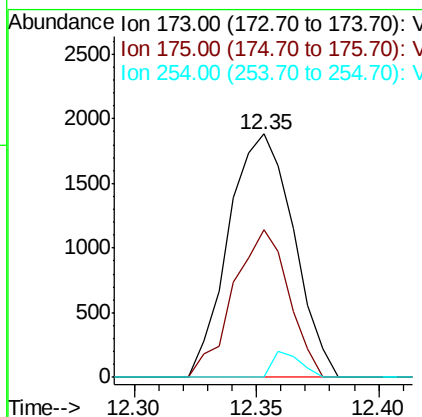
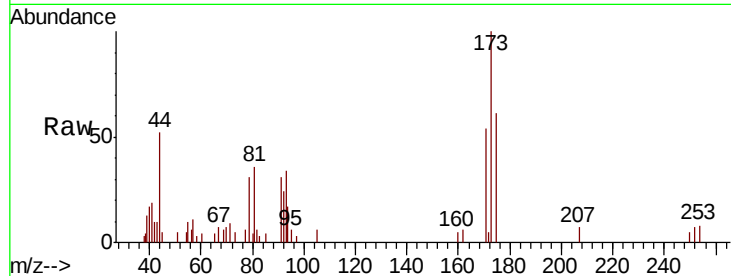




#62
Bromoform
Concen: 0.696 ug/L
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW016463.D
Acq: 04 Sep 2020 14:30

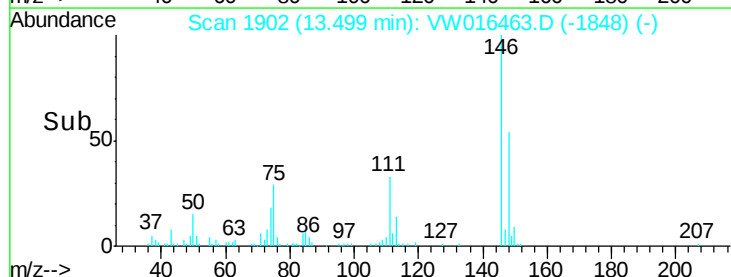
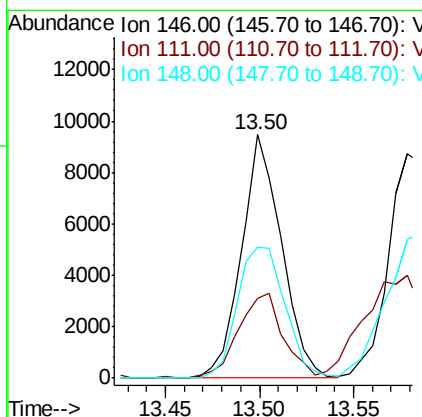
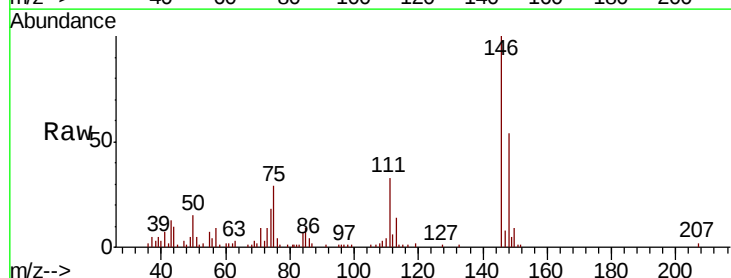
Instrument :
MSVOA_W
ClientSampleId :
MDL05

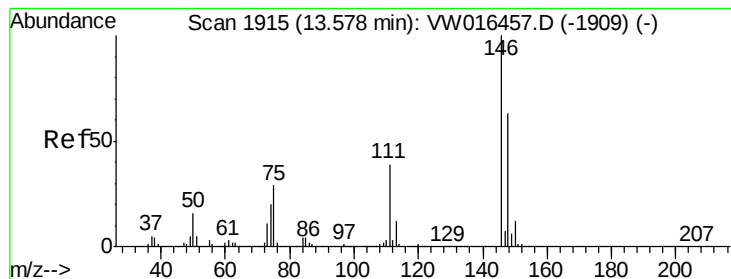
Tot Ion:173 Resp: 3479
Ion Ratio Lower Upper
173 100
175 51.9 39.2 58.8
254 4.6 5.8 8.6#



#63
1,3-Dichlorobenzene
Concen: 0.746 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW016463.D
Acq: 04 Sep 2020 14:30

Tgt Ion:146 Resp: 13973
Ion Ratio Lower Upper
146 100
111 32.6 26.5 49.3
148 53.9 41.3 76.7





#64

1,4-Dichlorobenzene

Concen: 0.782 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Instrument :

MSVOA_W

ClientSampled :

MDL05

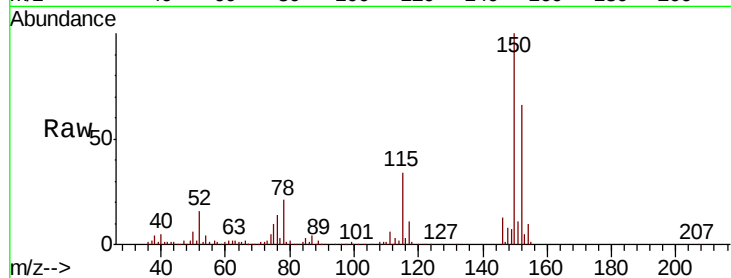
Tot Ion:146 Resp: 14536

Ion Ratio Lower Upper

146 100

111 45.9 26.4 49.0

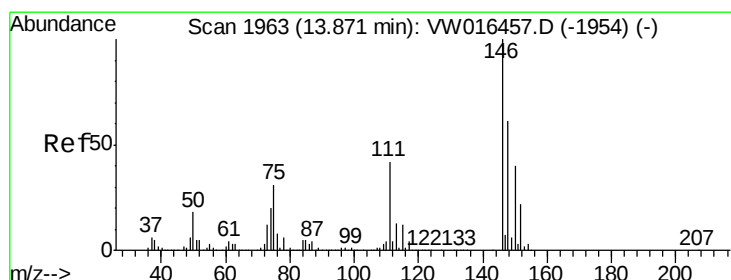
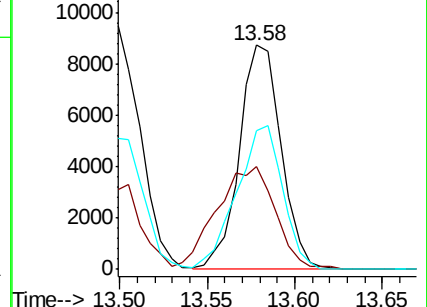
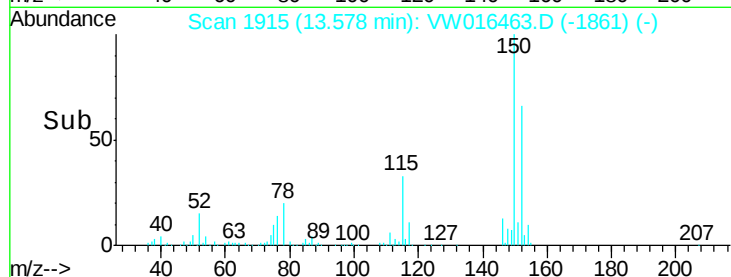
148 62.1 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.789 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

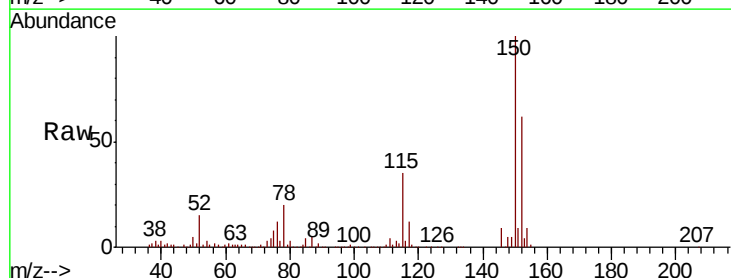
Tgt Ion:146 Resp: 13146

Ion Ratio Lower Upper

146 100

111 50.7 35.3 52.9

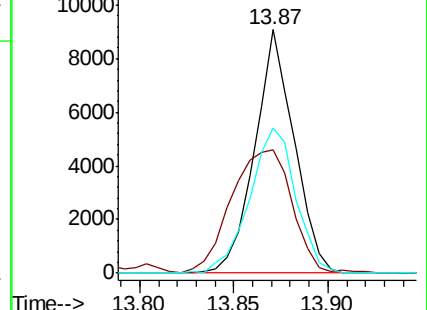
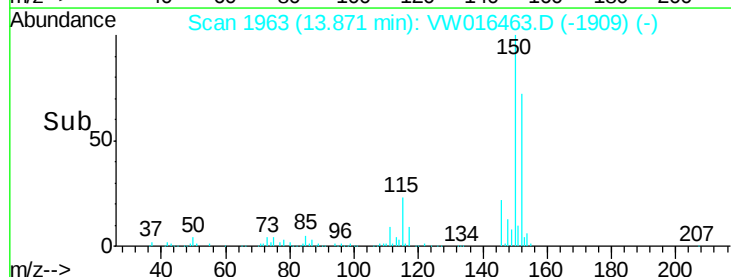
148 59.5 49.8 74.8

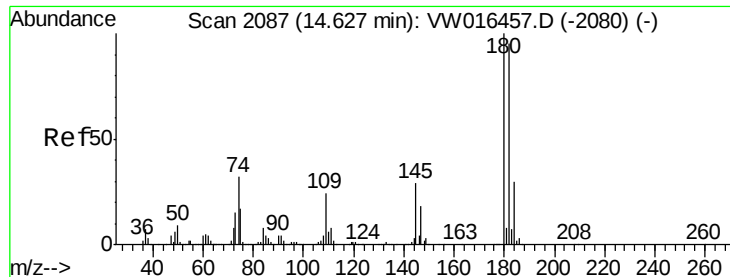


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

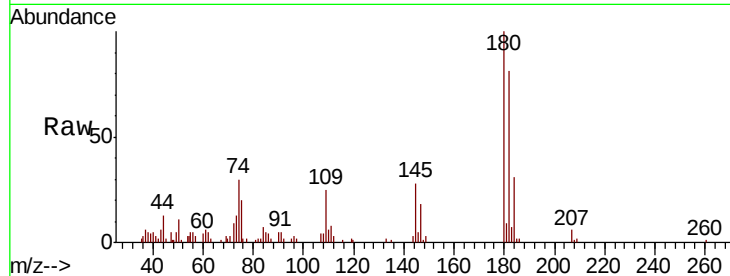




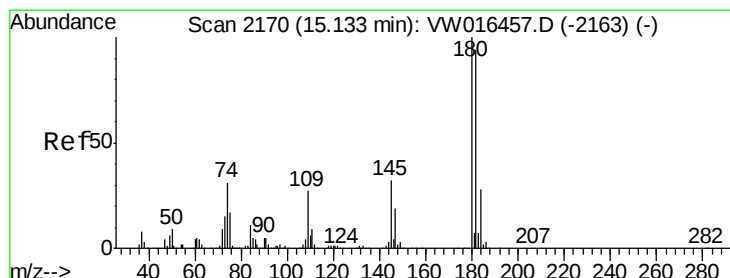
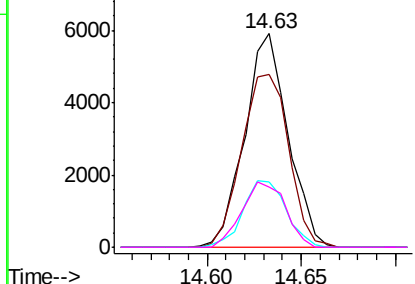
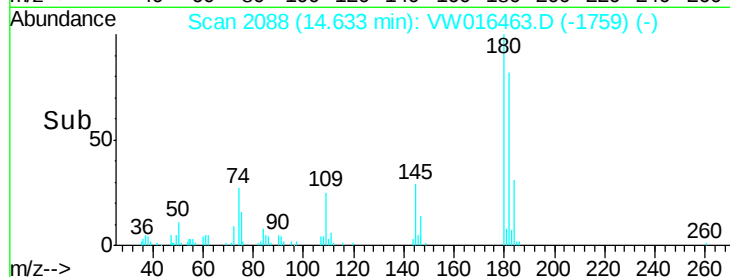
#67
 1,3,5-Trichlorobenzene
 Concen: 0.732 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016463.D
 Acq: 04 Sep 2020 14:30

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

Tot Ion:180 Resp: 9451
 Ion Ratio Lower Upper
 180 100
 182 87.9 75.8 113.8
 184 31.1 24.2 36.2
 145 30.6 24.6 36.8

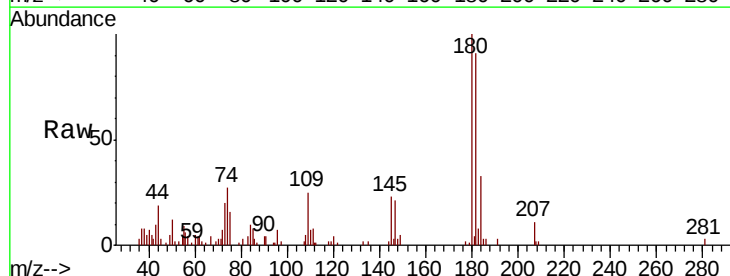


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

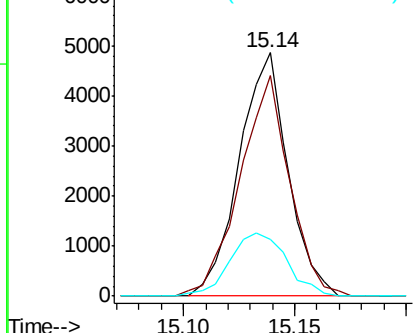
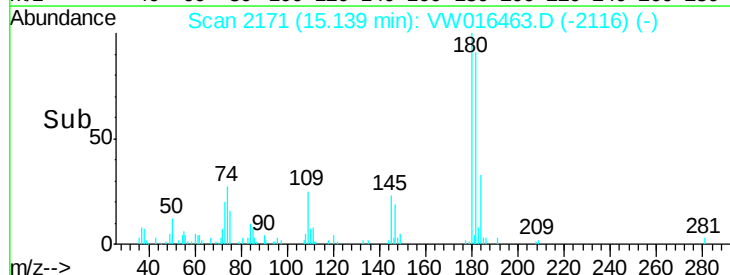


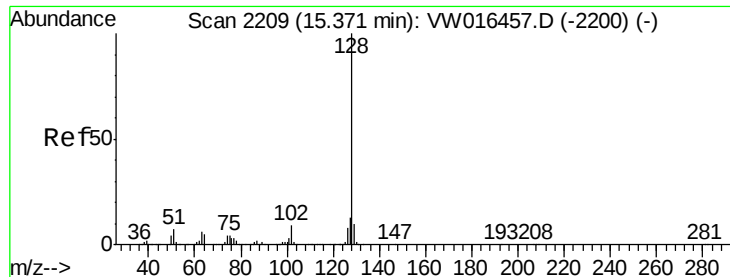
#68
 1,2,4-trichlorobenzene
 Concen: 0.667 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016463.D
 Acq: 04 Sep 2020 14:30

Tgt Ion:180 Resp: 7455
 Ion Ratio Lower Upper
 180 100
 182 91.5 78.5 117.7
 145 30.3 25.6 38.4



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: 0.643 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016463.D

Acq: 04 Sep 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

MDL05

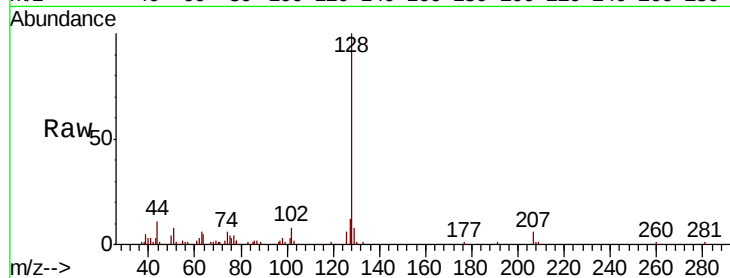
Tot Ion:128 Resp: 15160

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

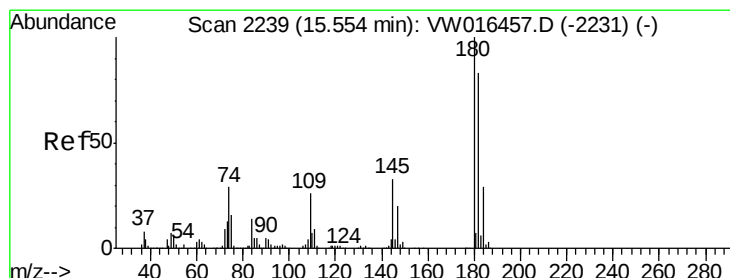
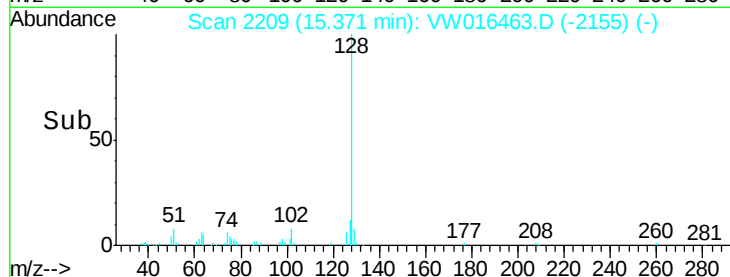
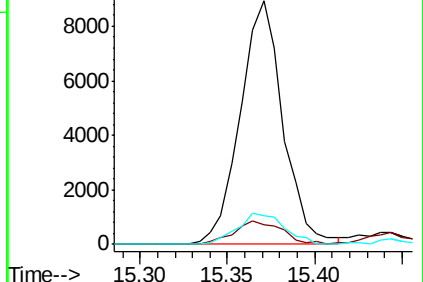
127 13.9 10.5 15.7



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: 0.701 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016463.D

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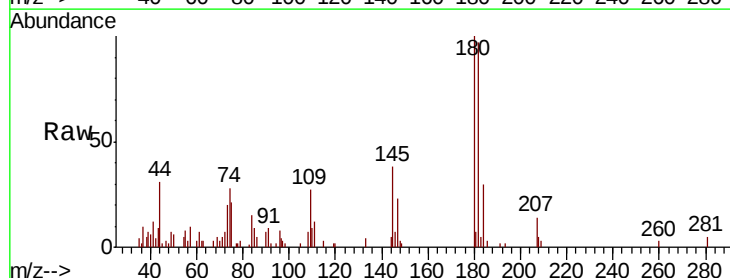
Tgt Ion:180 Resp: 6726

Ion Ratio Lower Upper

180 100

182 91.0 76.1 114.1

145 35.4 28.1 42.1



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

