

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
 Data File : VW016462.D
 Acq On : 04 Sep 2020 14:06
 Operator : SY/VA
 Sample : MDL04
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Quant Time: Sep 08 01:02:25 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	697904	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	619615	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	293521	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	176871	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.56%
7) Chloroethane-d5	2.90	69	166721	25.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.32%
10) 1,1-Dichloroethene-d2	4.03	63	282108	16.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.28%
20) 2-Butanone-d5	7.09	46	121793	46.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.12%
24) Chloroform-d	7.65	84	392139	23.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	8.31	65	220459	24.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.64%
29) Benzene-d6	8.28	84	799699	25.39	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.56%
33) 1,2-Dichloropropane-d6	9.28	67	229006	24.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.00%
37) Toluene-d8	10.33	98	762198	25.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.84%
38) trans-1,3-Dichloropropene-	10.58	79	117074	25.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.28%
39) 2-Hexanone-d5	10.93	63	96927	51.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	202077	25.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	265680	26.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	6203	0.794 ug/L	93
3) Chloromethane	2.22	50	5876	0.857 ug/L	100
5) Vinyl chloride	2.37	62	8180	0.937 ug/L #	38
6) Bromomethane	2.79	94	5386	0.825 ug/L	98
8) Chloroethane	2.94	64	5282	0.983 ug/L	91
9) Trichlorofluoromethane	3.26	101	4747	0.664 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	3872	0.458 ug/L #	78
12) 1,1-Dichloroethene	4.05	96	9269	1.078 ug/L #	1
14) Carbon disulfide	4.40	76	19258	0.733 ug/L	100
16) Methylene chloride	4.93	84	25065	2.301 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	10305	0.799 ug/L #	80
18) trans-1,2-Dichloroethene	5.43	96	7376	0.807 ug/L	97
19) 1,1-Dichloroethane	6.23	63	11921	0.767 ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	7259	0.763 ug/L	82
23) Bromochloromethane	7.52	128	3404	0.772 ug/L	80
25) Chloroform	7.68	83	14431	0.897 ug/L #	63
27) 1,2-Dichloroethane	8.41	62	8763	0.818 ug/L	99

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

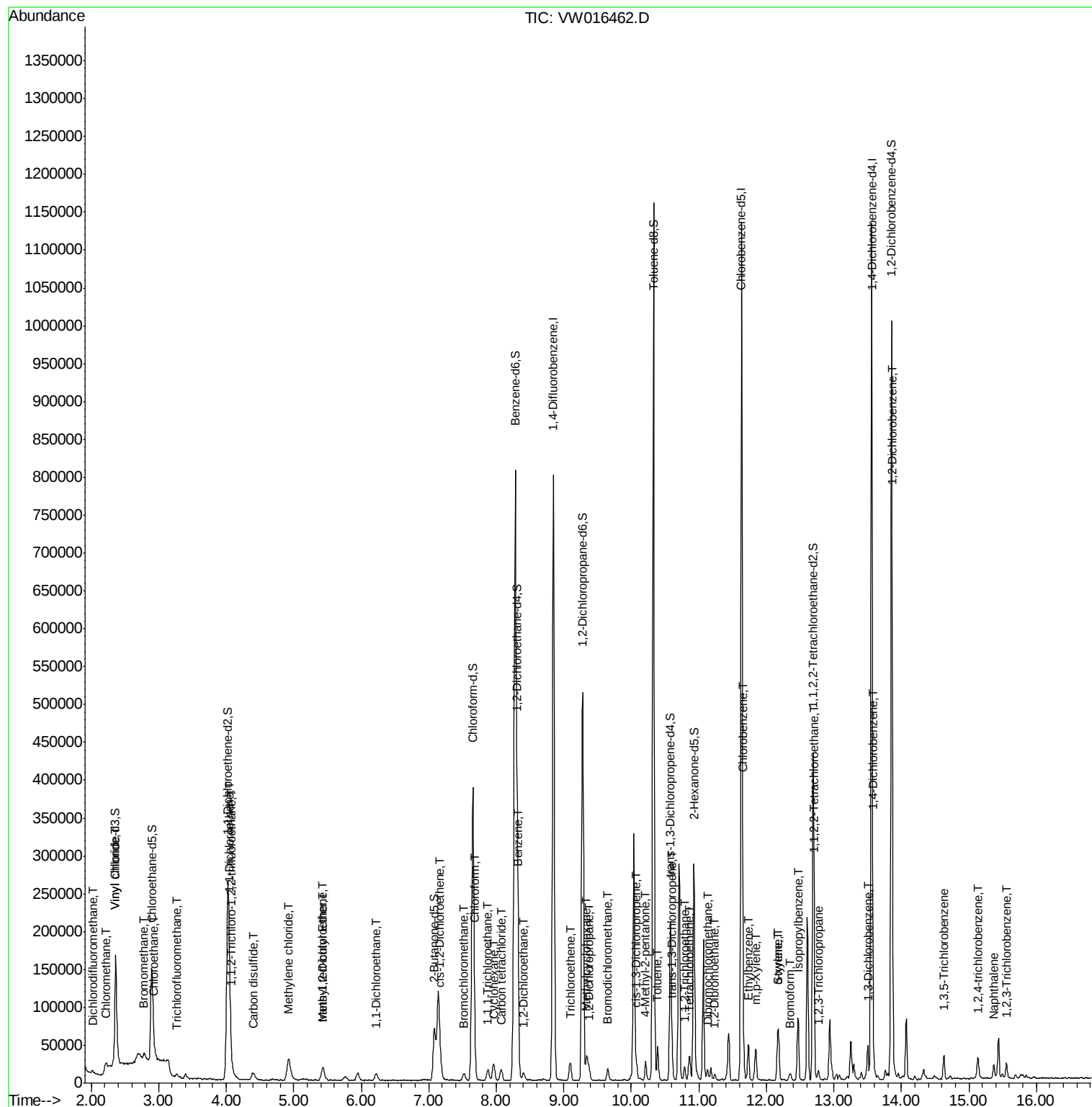
30) Cyclohexane	7.96	56	11599	0.784	ug/L #	91
31) 1,1,1-Trichloroethane	7.88	97	10692	0.797	ug/L	97
32) Carbon tetrachloride	8.07	117	10999	0.857	ug/L	92
34) Benzene	8.33	78	28608	0.844	ug/L	100
35) Trichloroethene	9.10	95	7369	0.785	ug/L	96
36) Methylcyclohexane	9.34	83	13391	0.815	ug/L	95
40) 1,2-Dichloropropane	9.38	63	6383	0.762	ug/L #	93
41) Bromodichloromethane	9.65	83	9307	0.795	ug/L	93
42) cis-1,3-Dichloropropene	10.07	75	9342	0.657	ug/L	94
43) 4-Methyl-2-pentanone	10.21	43	15379	2.593	ug/L	92
44) Toluene	10.39	91	31212	0.823	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	8869	0.698	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	5447	0.820	ug/L	91
47) Tetrachloroethene	10.87	164	6364	0.846	ug/L	93
50) Dibromochloromethane	11.13	129	6444	0.768	ug/L	91
51) 1,2-Dibromoethane	11.24	107	5419	0.817	ug/L	85
52) Chlorobenzene	11.66	112	19550	0.813	ug/L	95
53) Ethylbenzene	11.73	91	33725	0.790	ug/L	94
54) m,p-Xylene	11.85	106	13620	0.835	ug/L	89
55) o-xylene	12.17	106	12226	0.786	ug/L	94
56) Styrene	12.18	104	20859	0.781	ug/L	97
57) Isopropylbenzene	12.47	105	35242	0.828	ug/L #	90
58) 1,1,2,2-Tetrachloroethane	12.71	83	7455	0.942	ug/L #	84
59) 1,2,3-Trichloropropane	12.77	75	4677	0.791	ug/L	99
62) Bromoform	12.35	173	3656	0.742	ug/L	94
63) 1,3-Dichlorobenzene	13.51	146	14569	0.788	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	14430	0.788	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	13807	0.841	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	9886	0.776	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	8028	0.729	ug/L	98
69) Naphthalene	15.37	128	15620	0.672	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	6663	0.704	ug/L	98

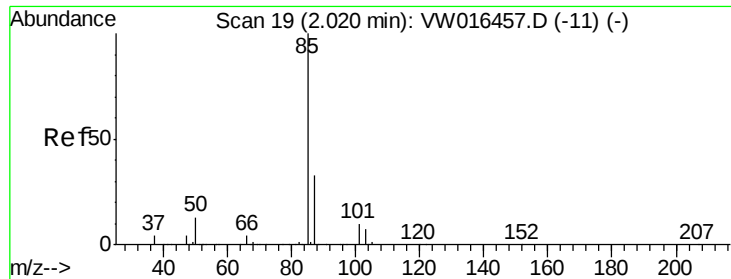
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.794 ug/L

RT: 2.02 min Scan# 19

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

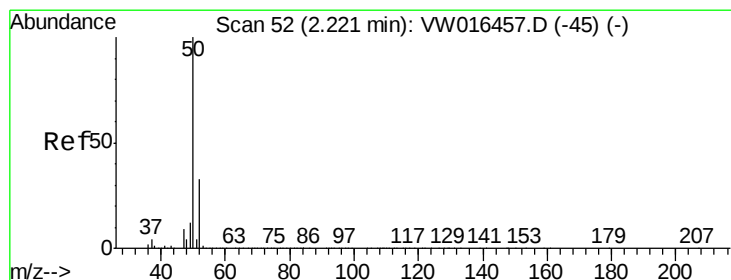
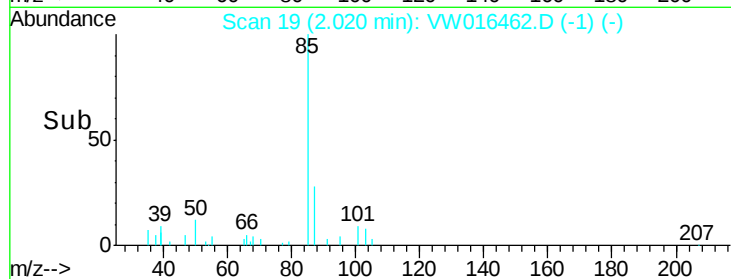
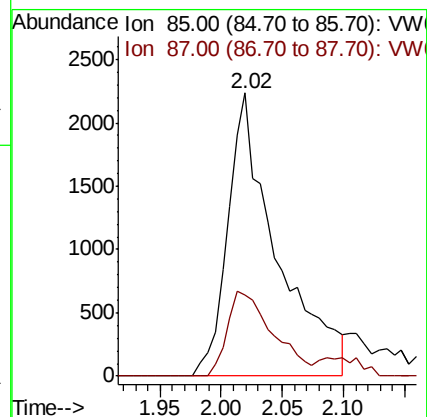
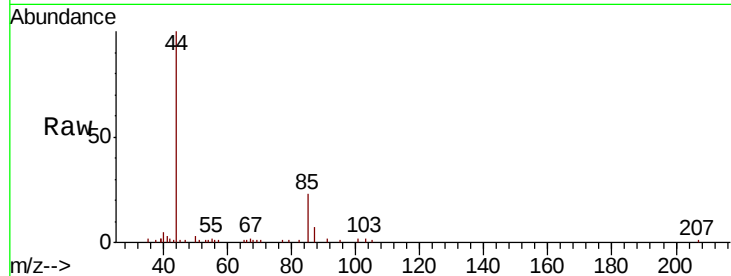
MDL04

Tot Ion: 85 Resp: 6203

Ion Ratio Lower Upper

85 100

87 28.1 22.3 41.5



#3

Chloromethane

Concen: 0.857 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW016462.D

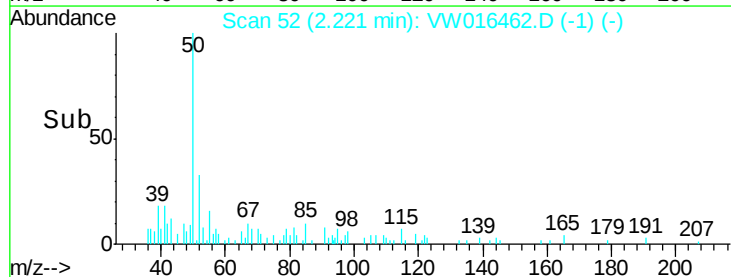
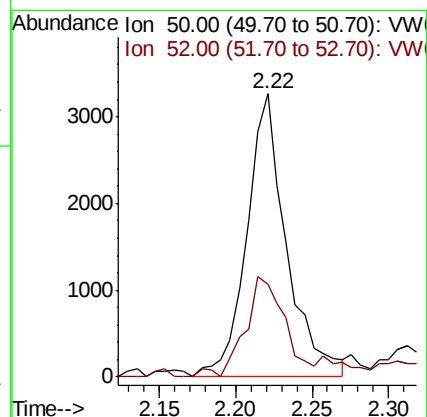
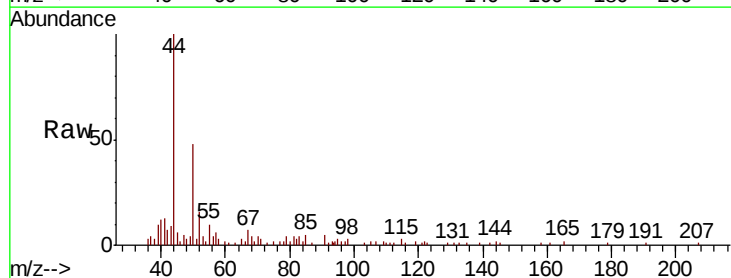
Acq: 04 Sep 2020 14:06

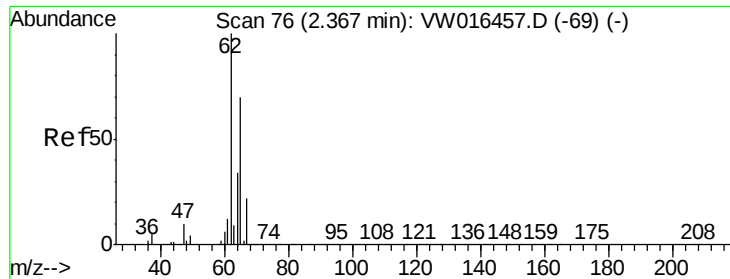
Tgt Ion: 50 Resp: 5876

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.6





#5

Vinyl chloride

Concen: 0.937 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

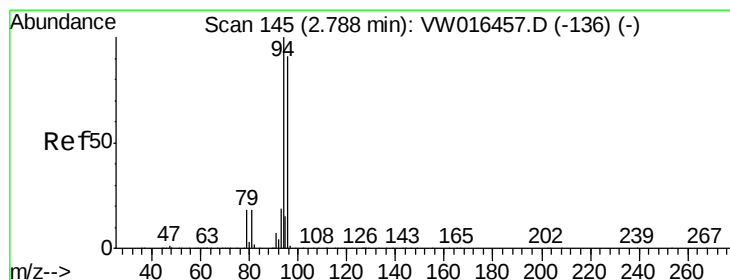
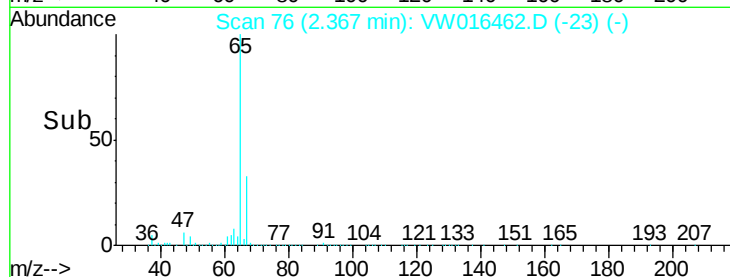
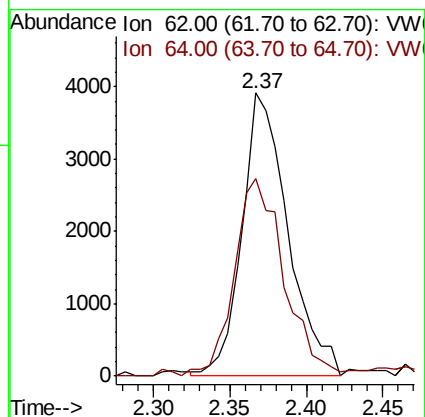
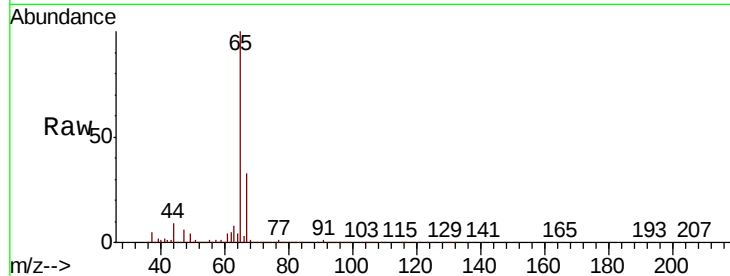
MDL04

Tot Ion: 62 Resp: 8180

Ion Ratio Lower Upper

62 100

64 69.7 23.9 44.5#



#6

Bromomethane

Concen: 0.825 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW016462.D

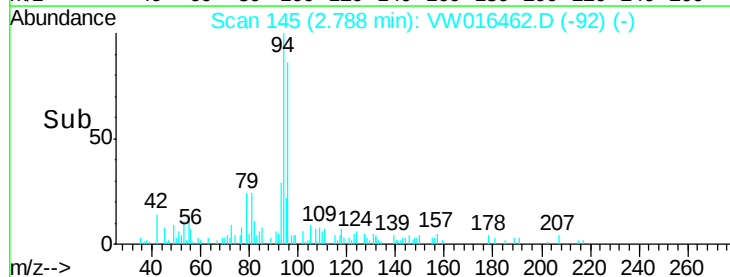
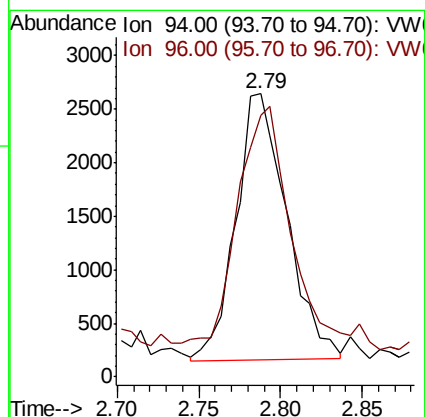
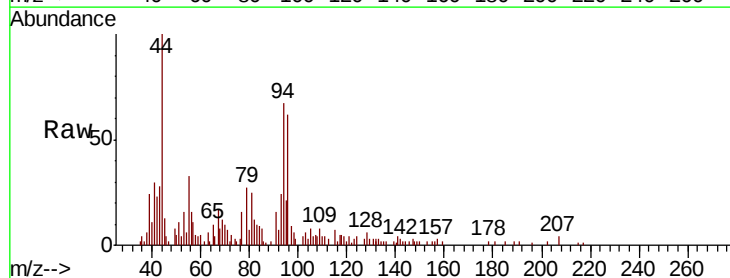
Acq: 04 Sep 2020 14:06

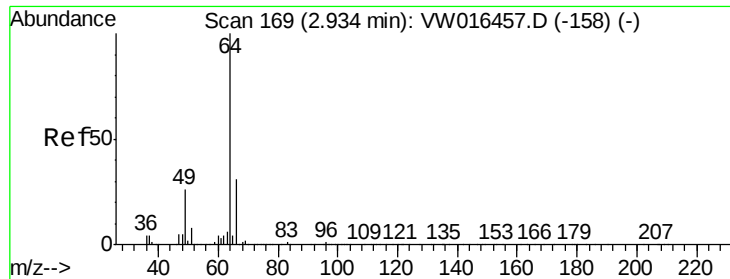
Tgt Ion: 94 Resp: 5386

Ion Ratio Lower Upper

94 100

96 96.2 9.4 178.2





#8

Chloroethane

Concen: 0.983 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

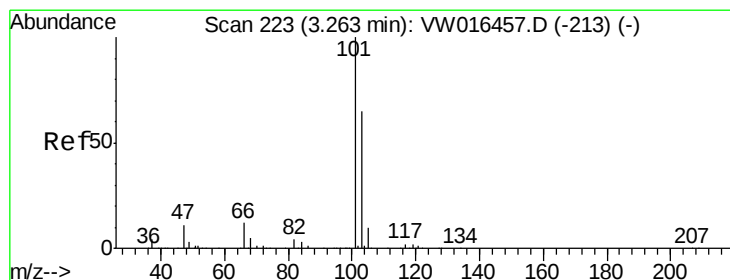
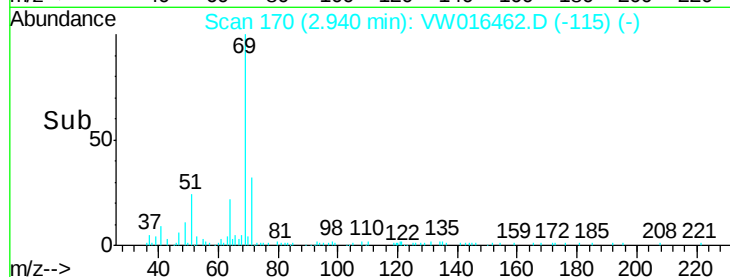
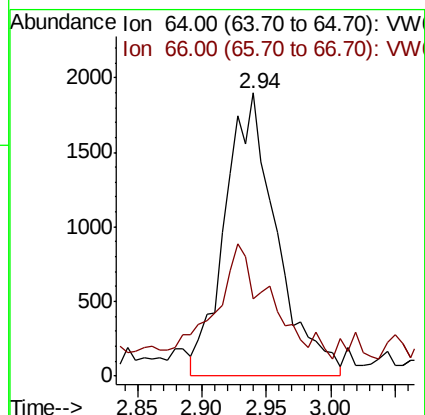
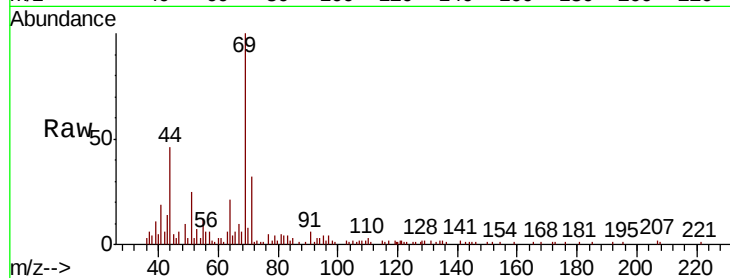
MDL04

Tot Ion: 64 Resp: 5282

Ion Ratio Lower Upper

64 100

66 27.1 22.4 41.6



#9

Trichlorofluoromethane

Concen: 0.664 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW016462.D

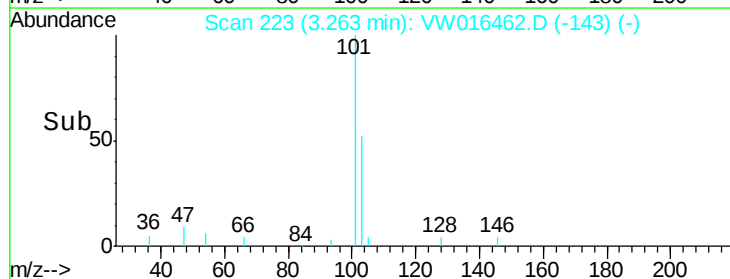
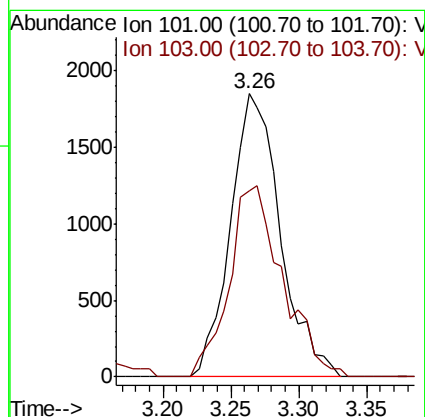
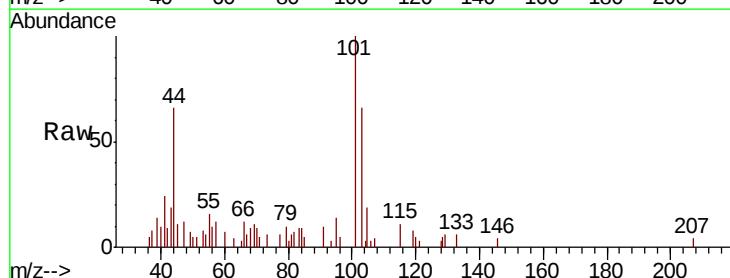
Acq: 04 Sep 2020 14:06

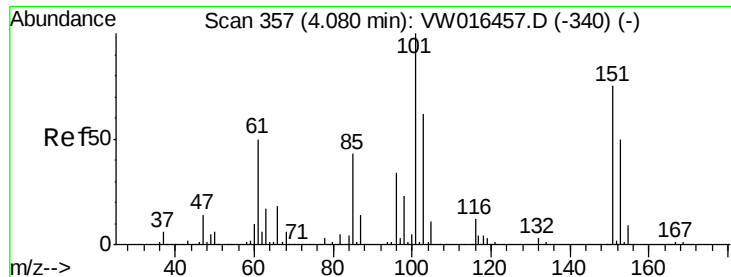
Tgt Ion: 101 Resp: 4747

Ion Ratio Lower Upper

101 100

103 63.3 45.1 83.7





#11

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

Concen: 0.458 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

MDL04

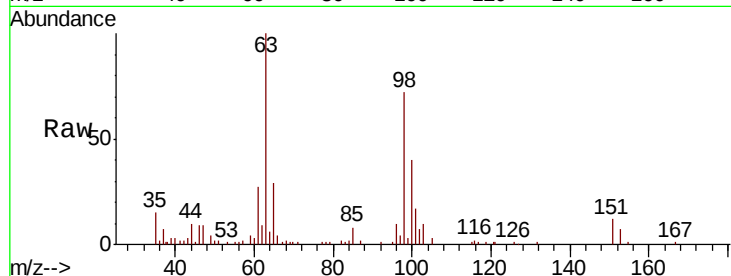
Tot Ion:101 Resp: 3872

Ion Ratio Lower Upper

101 100

85 70.2 33.4 50.0#

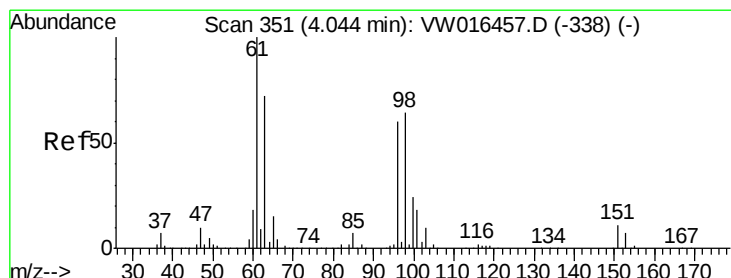
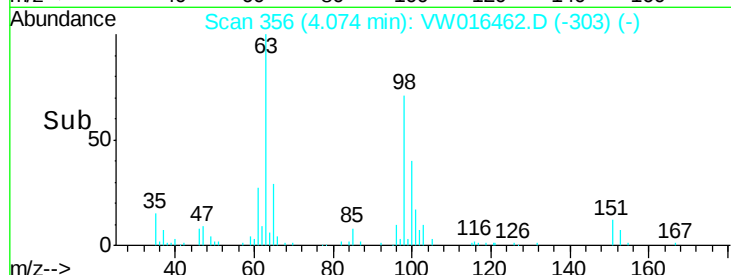
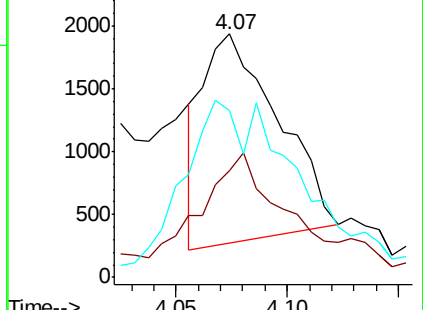
151 68.4 61.6 92.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.078 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

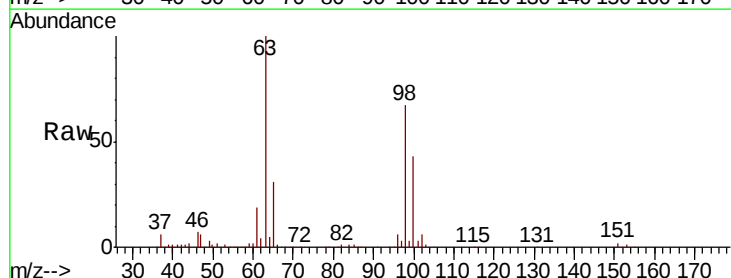
Tgt Ion: 96 Resp: 9269

Ion Ratio Lower Upper

96 100

61 323.6 116.5 216.3#

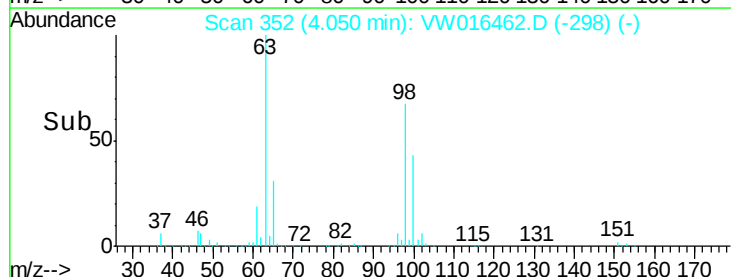
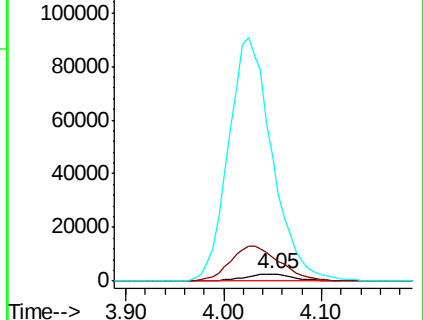
63 1677.0 81.1 150.5#

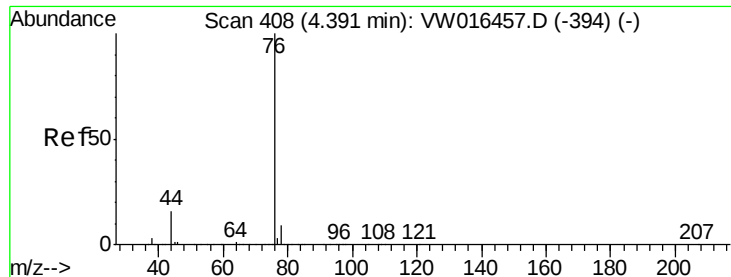


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#14

Carbon disulfide

Concen: 0.733 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

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MSVOA_W

ClientSampleId :

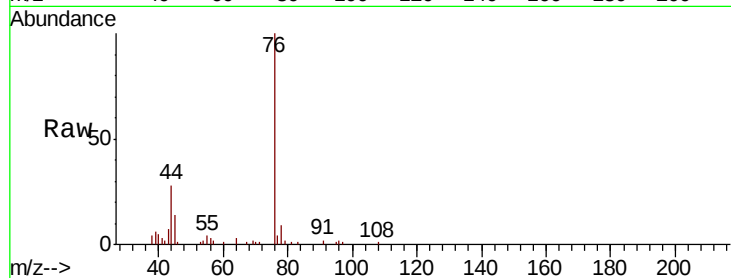
MDL04

Tot Ion: 76 Resp: 19258

Ion Ratio Lower Upper

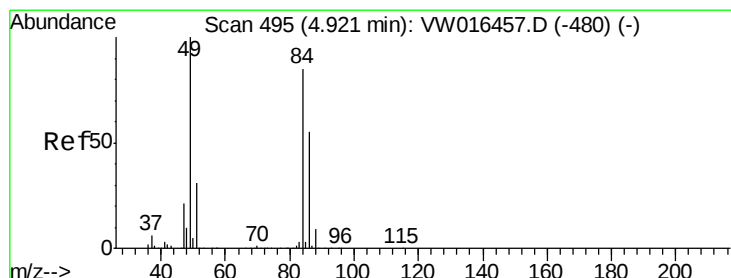
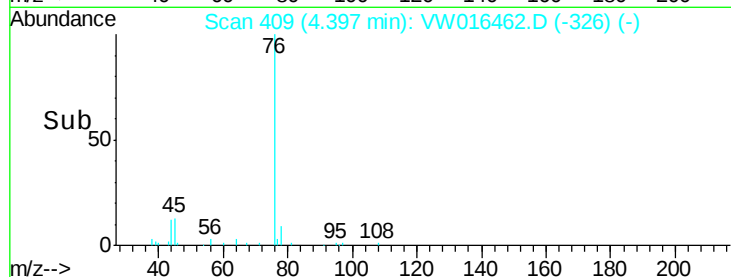
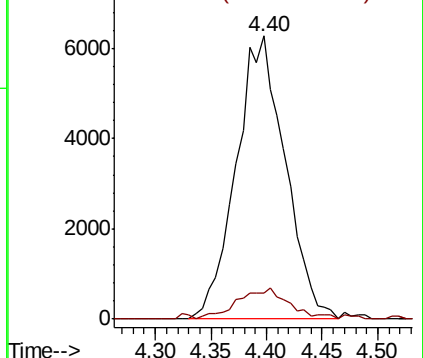
76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 2.301 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

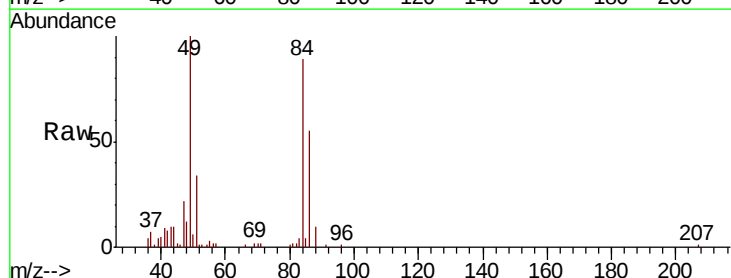
Tgt Ion: 84 Resp: 25065

Ion Ratio Lower Upper

84 100

49 113.0 86.7 160.9

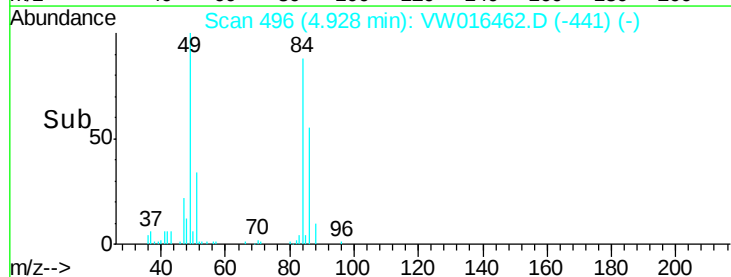
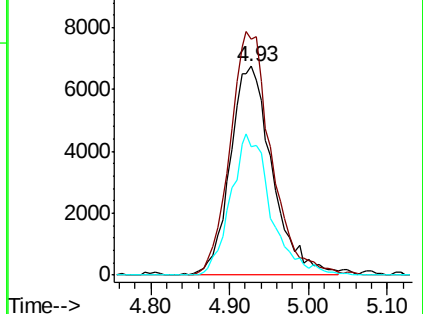
86 61.6 44.9 83.5

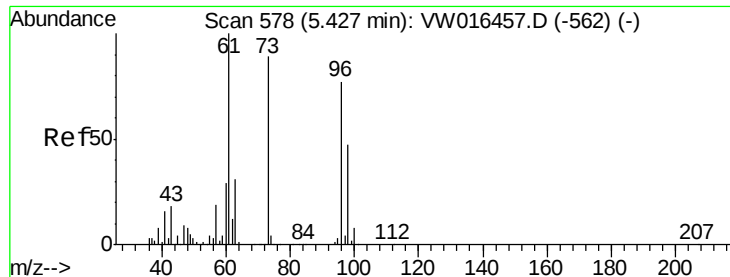


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

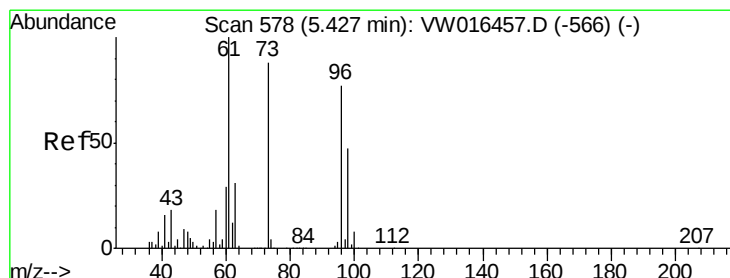
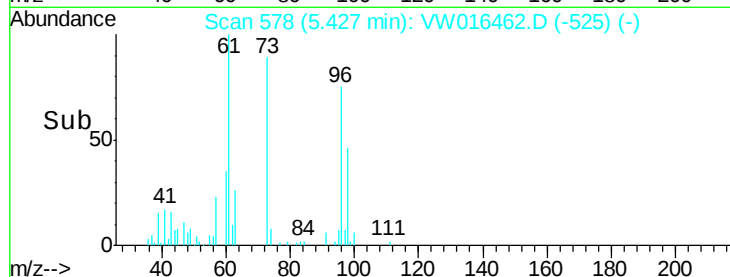
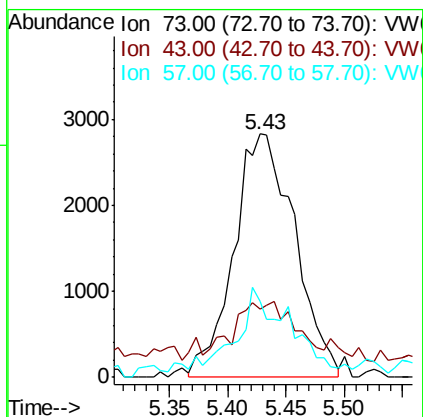
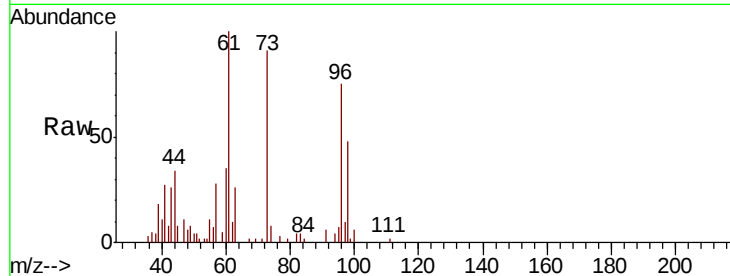




#17
Methvl tert-butvl Ether
Concen: 0.799 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

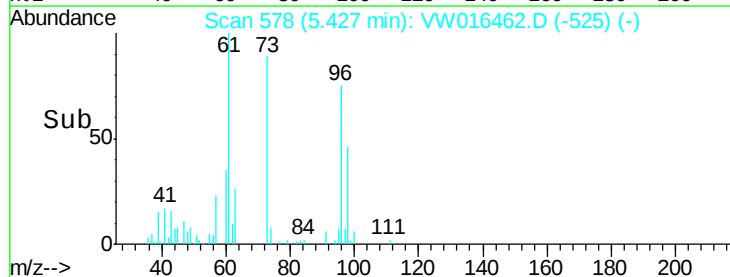
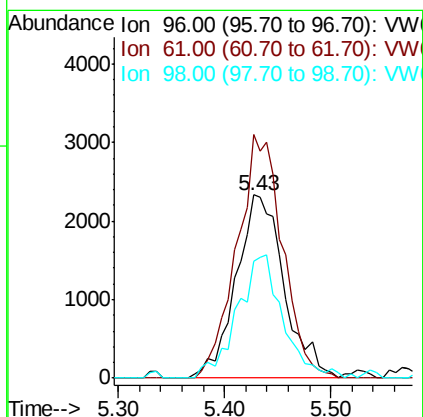
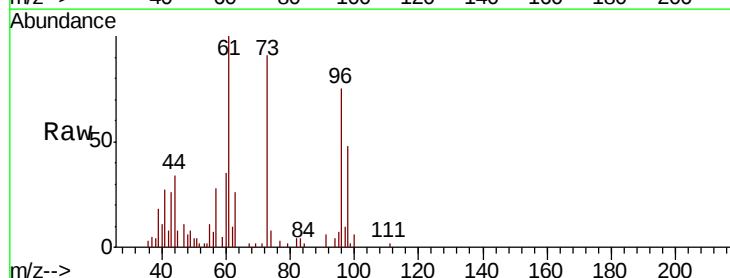
Instrument :
MSVOA_W
ClientSampled :
MDL04

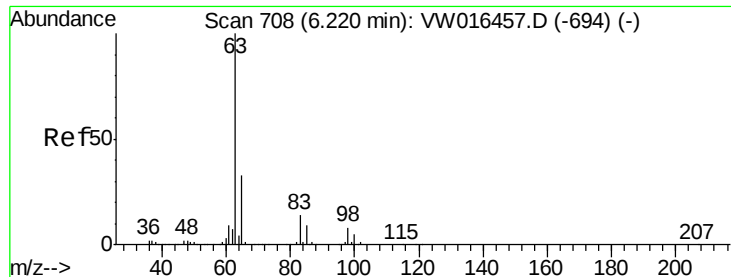
Tot Ion	73	Resp	10305
Ion Ratio	Lower	Upper	
73	100		
43	7.9	17.9	26.9#
57	16.8	17.4	26.0#



#18
trans-1,2-Dichloroethene
Concen: 0.807 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Tgt Ion	96	Resp	7376
Ion Ratio	Lower	Upper	
96	100		
61	133.0	96.4	179.0
98	63.8	45.1	83.7

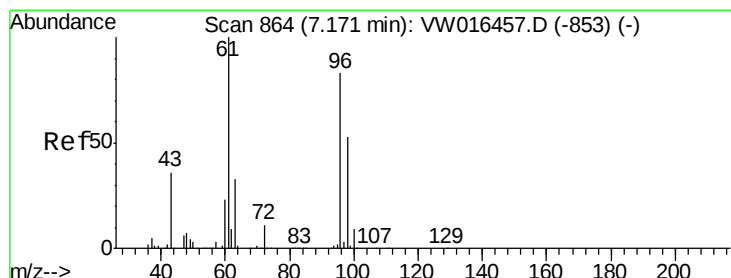
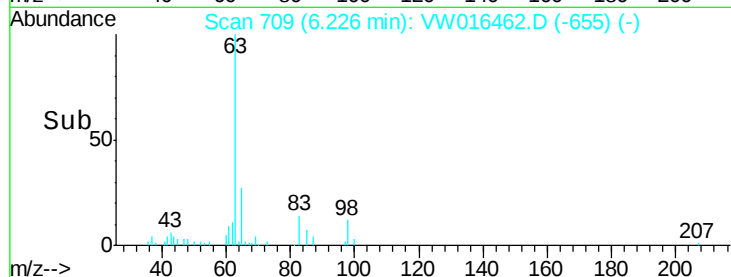
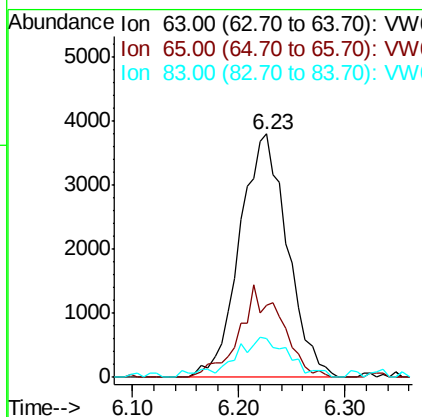
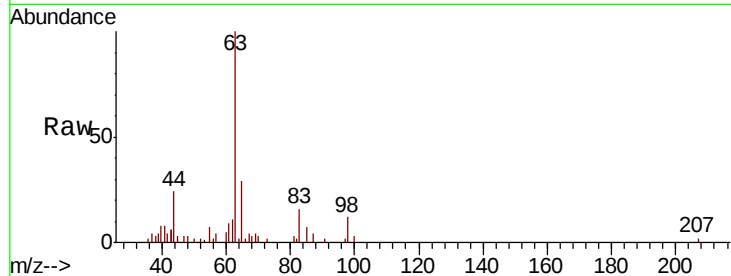




#19
 1,1-Dichloroethane
 Concen: 0.767 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

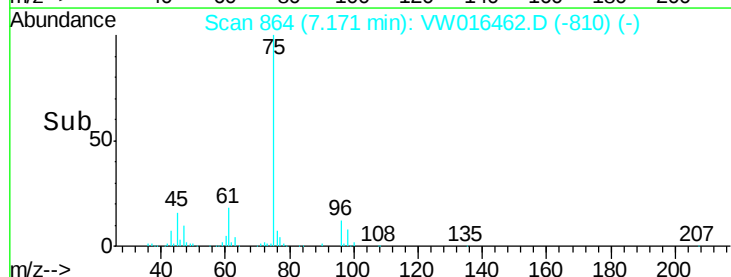
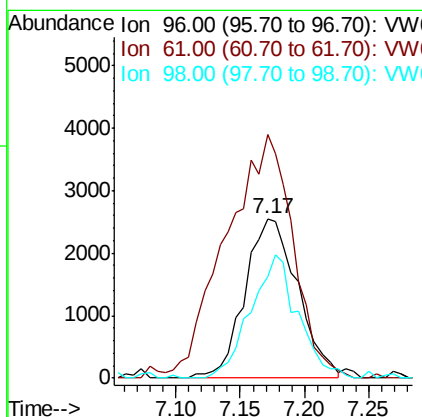
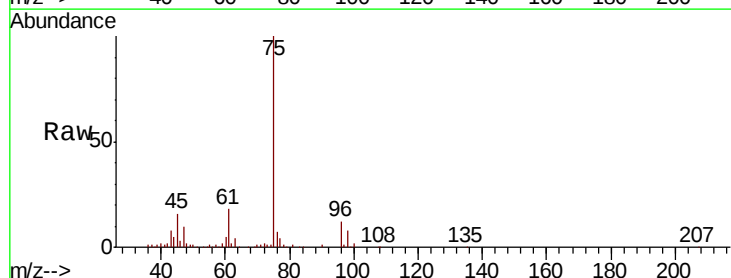
Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

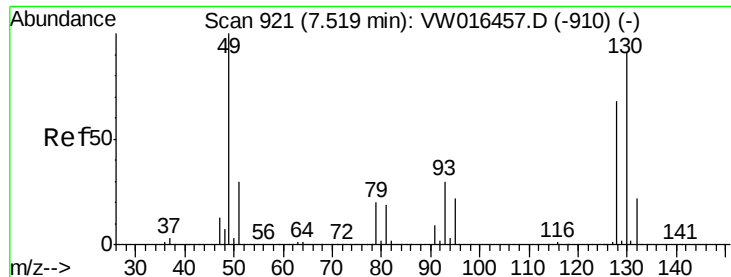
Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	23.3	43.3
83	15.8	10.3	19.1



#22
 cis-1,2-Dichloroethene
 Concen: 0.763 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.5	86.1	159.9
98	63.9	44.1	81.9





#23

Bromochloromethane

Concen: 0.772 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

MDL04

Tot Ion:128 Resp: 3404

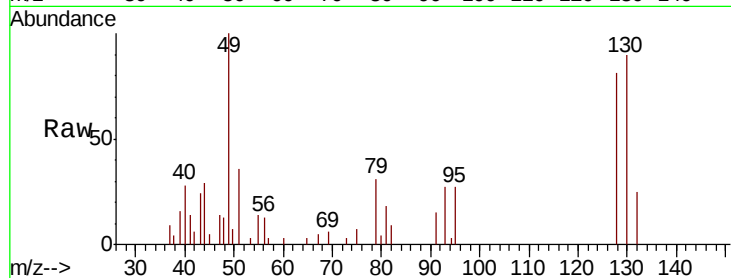
Ion Ratio Lower Upper

128 100

49 123.8 111.6 207.4

130 110.8 90.9 168.7

51 45.0 38.5 57.7

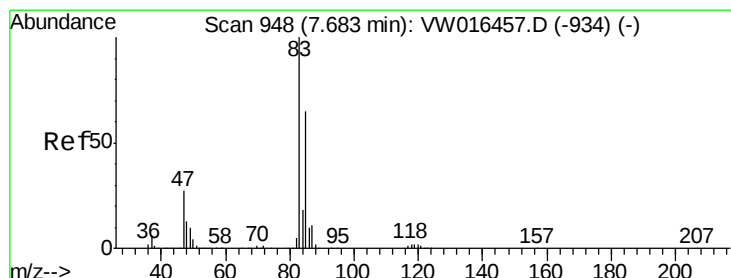
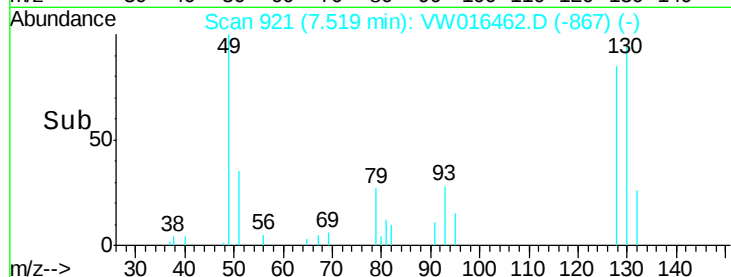
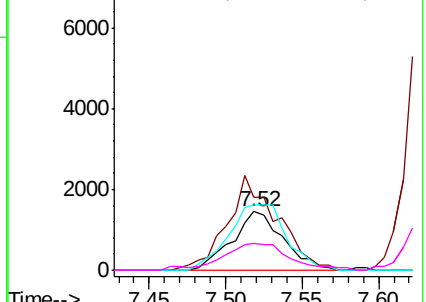


Abundance Ion 128.00 (127.70 to 128.70): V

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: 0.897 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW016462.D

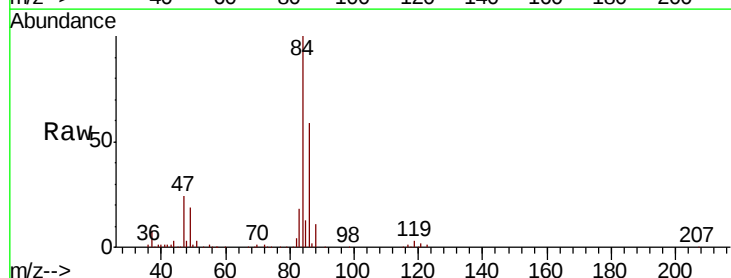
Acq: 04 Sep 2020 14:06

Tgt Ion: 83 Resp: 14431

Ion Ratio Lower Upper

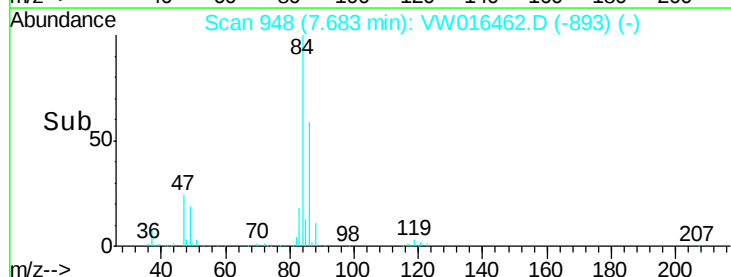
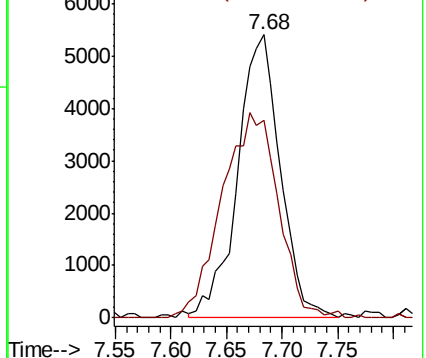
83 100

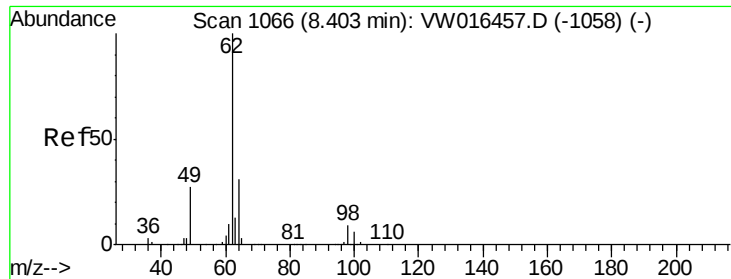
85 94.7 45.6 84.8#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 0.818 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

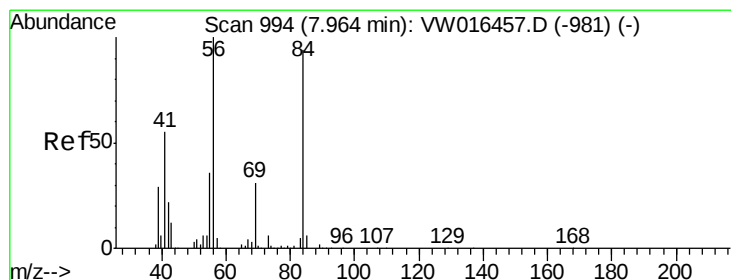
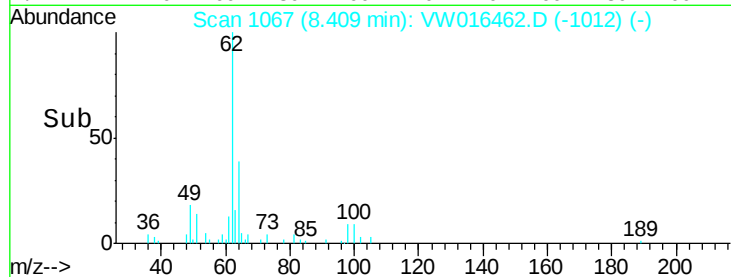
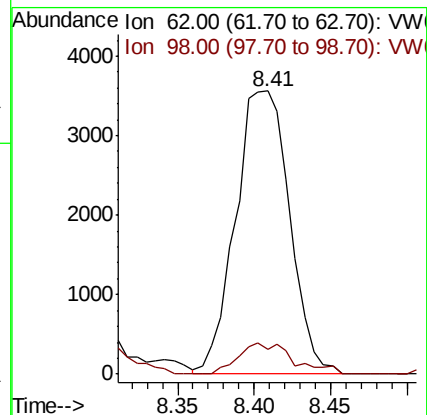
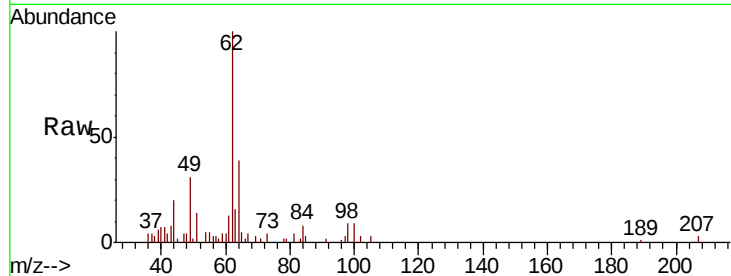
MDL04

Tot Ion: 62 Resp: 8763

Ion Ratio Lower Upper

62 100

98 8.7 7.3 10.9



#30

Cyclohexane

Concen: 0.784 ug/L

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

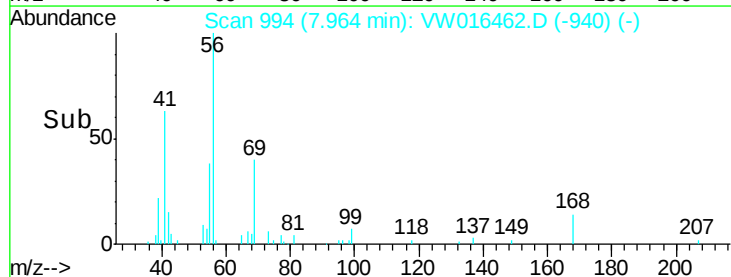
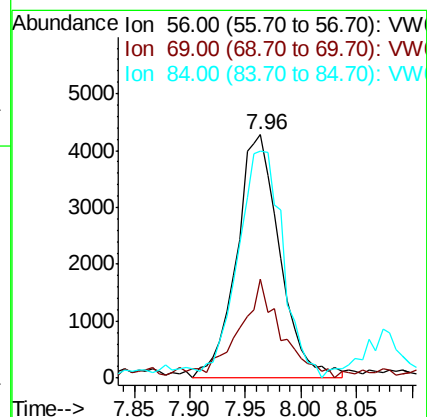
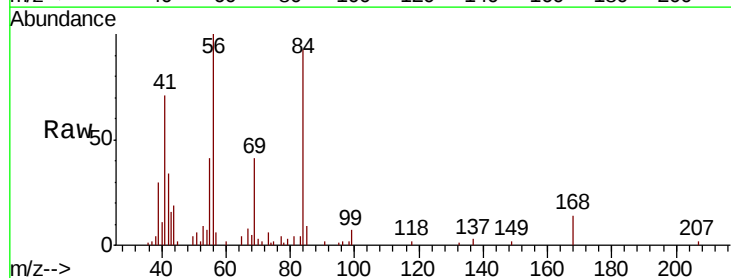
Tgt Ion: 56 Resp: 11599

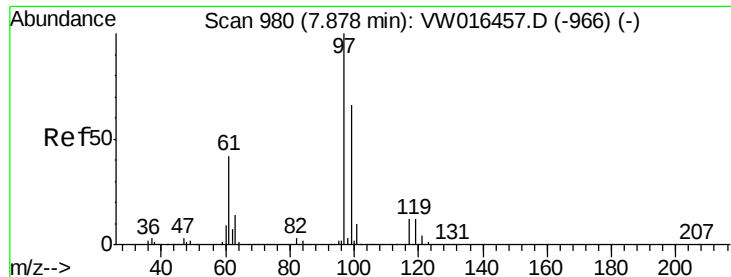
Ion Ratio Lower Upper

56 100

69 38.3 25.3 37.9#

84 97.1 71.6 107.4





#31

1,1,1-Trichloroethane

Concen: 0.797 ug/L

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

MDL04

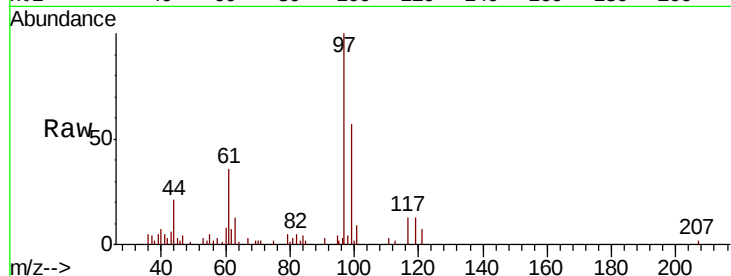
Tot Ion: 97 Resp: 10692

Ion Ratio Lower Upper

97 100

99 65.9 52.2 78.2

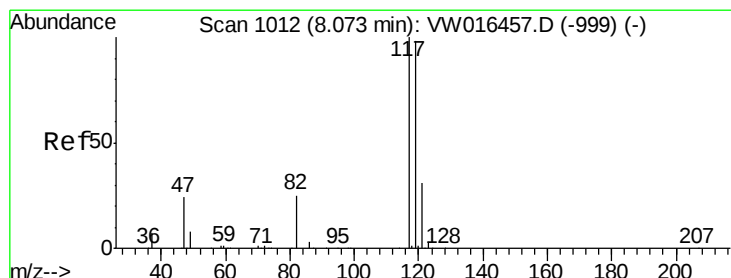
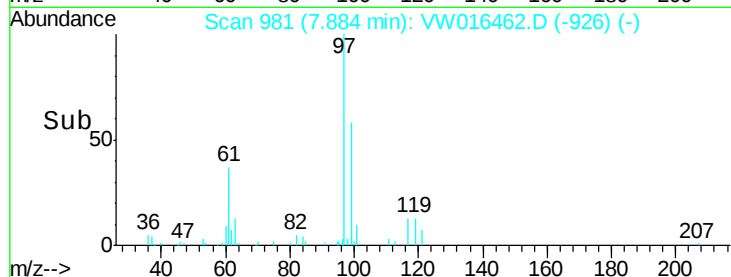
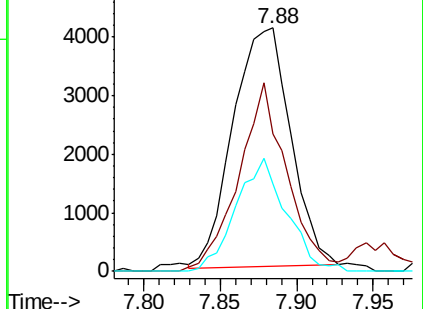
61 41.0 36.3 54.5



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 0.857 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016462.D

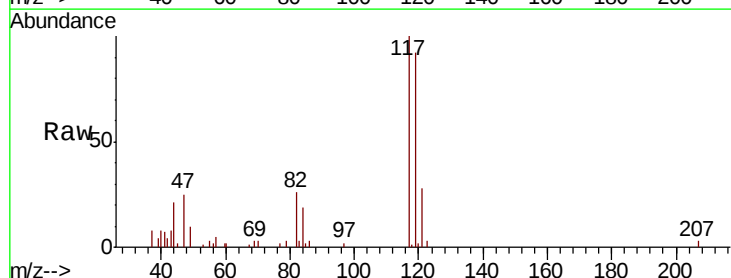
Acq: 04 Sep 2020 14:06

Tgt Ion: 117 Resp: 10999

Ion Ratio Lower Upper

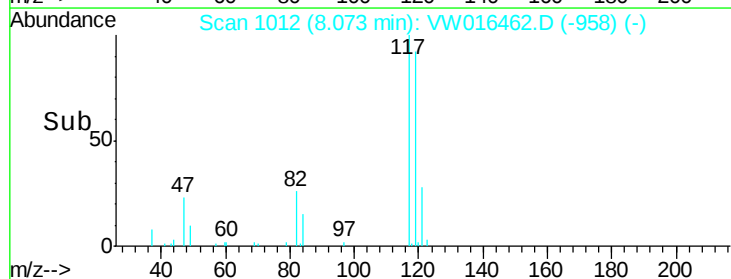
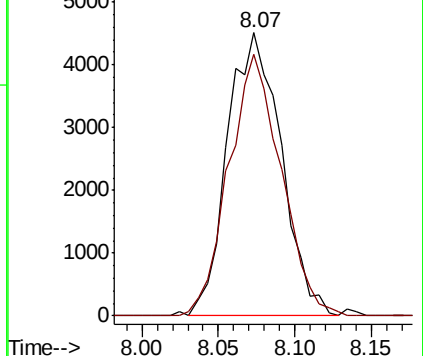
117 100

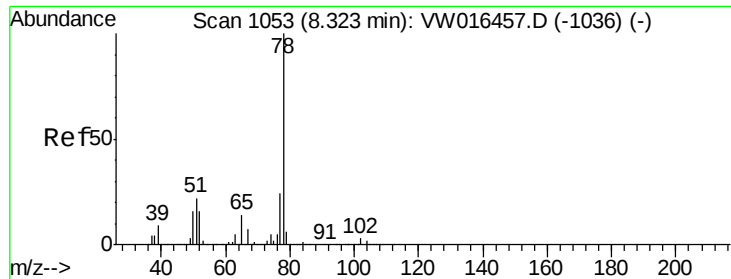
119 89.8 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 0.844 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

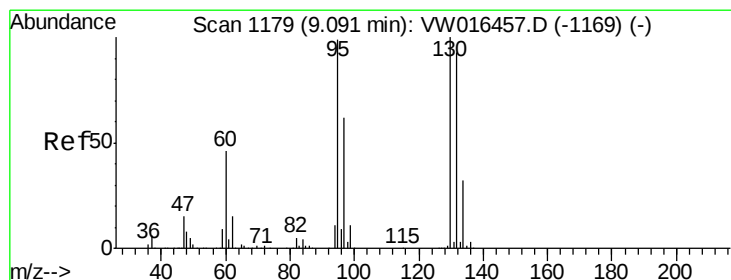
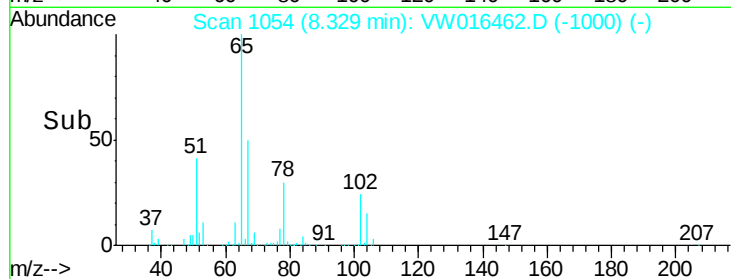
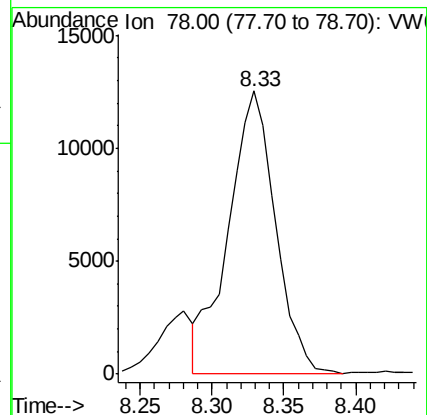
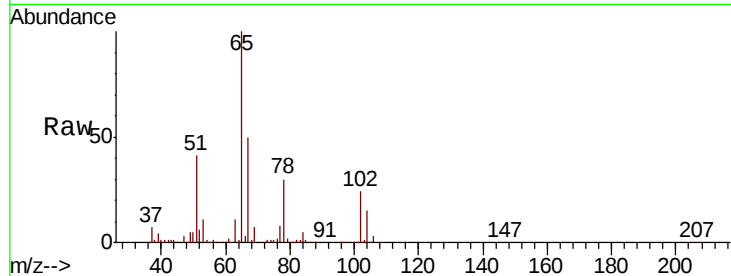
Instrument :

MSVOA_W

ClientSampleId :

MDL04

Tgt Ion: 78 Resp: 28608



#35

Trichloroethene

Concen: 0.785 ug/L

RT: 9.10 min Scan# 1180

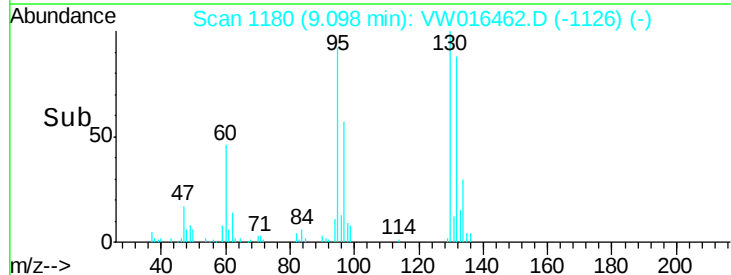
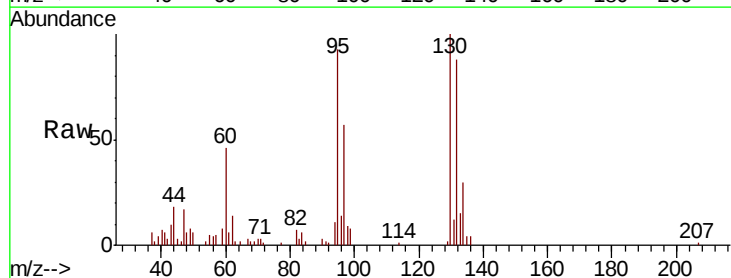
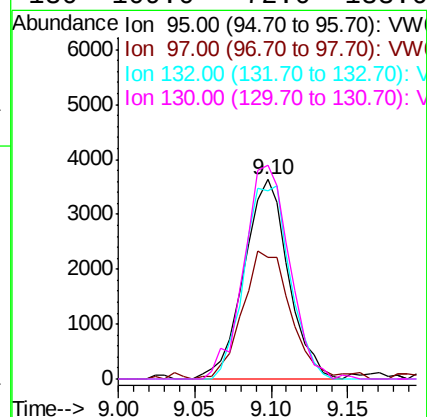
Delta R.T. -0.00 min

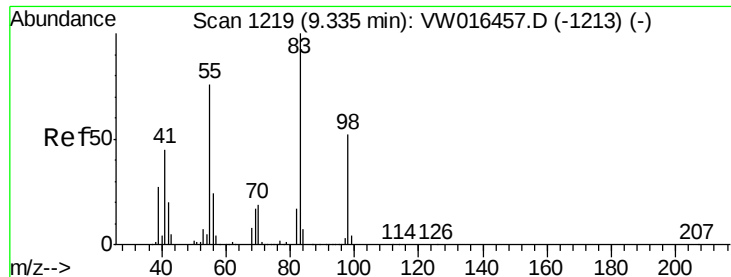
Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Tgt Ion: 95 Resp: 7369

Ion	Ratio	Lower	Upper
95	100		
97	68.8	44.9	83.5
132	99.6	69.2	128.4
130	109.0	72.0	133.6

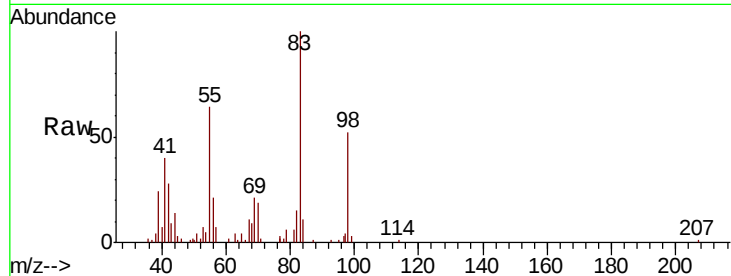




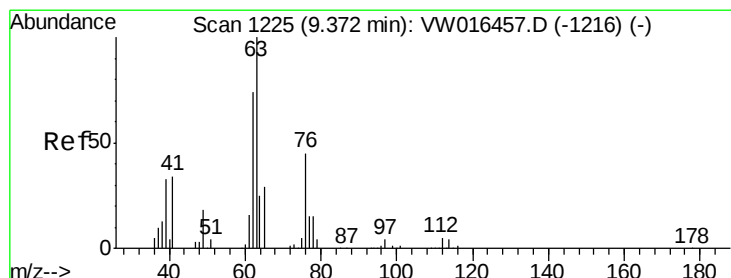
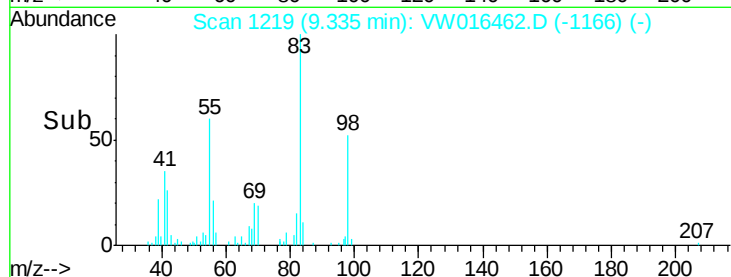
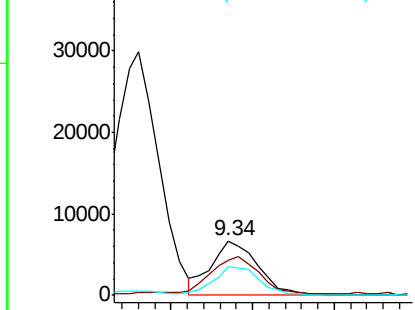
#36
Methylcyclohexane
Concen: 0.815 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Tot Ion	83	Resp	13391
Ion Ratio	Lower	Upper	
83	100		
55	70.2	60.9	91.3
98	51.0	40.0	60.0

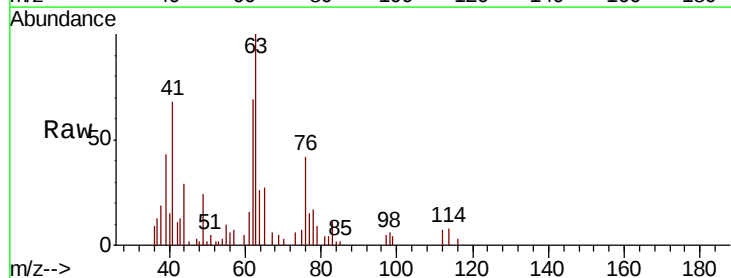


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

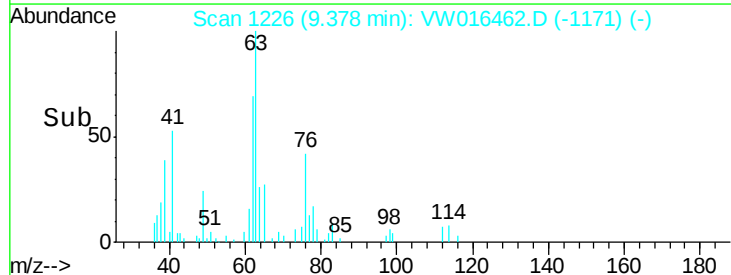
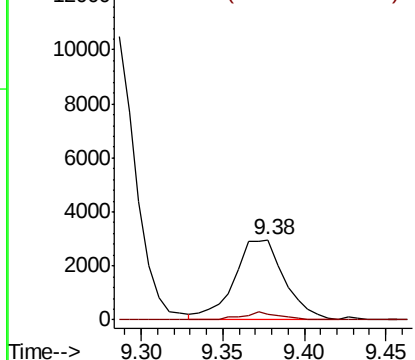


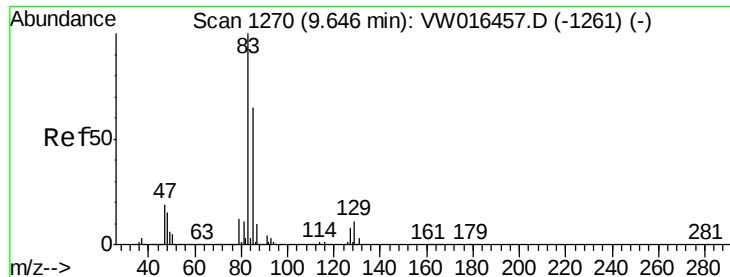
#40
1,2-Dichloropropane
Concen: 0.762 ug/L
RT: 9.38 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Tgt Ion	63	Resp	6383
Ion Ratio	Lower	Upper	
63	100		
112	7.0	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: 0.795 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

MDL04

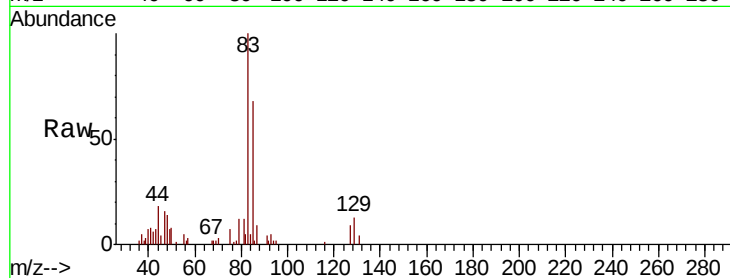
Tot Ion: 83 Resp: 9307

Ion Ratio Lower Upper

83 100

85 67.6 43.5 80.7

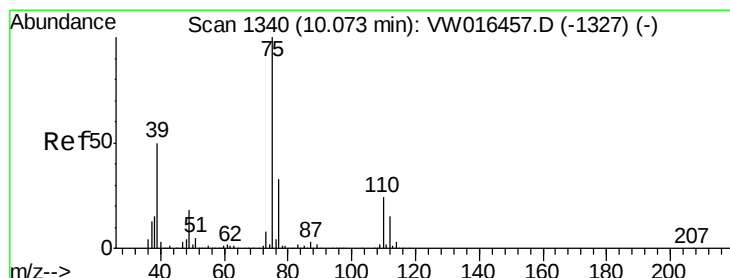
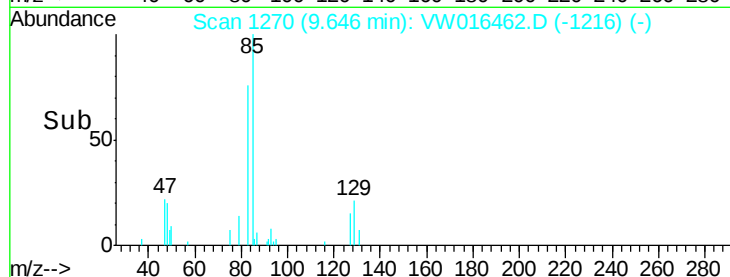
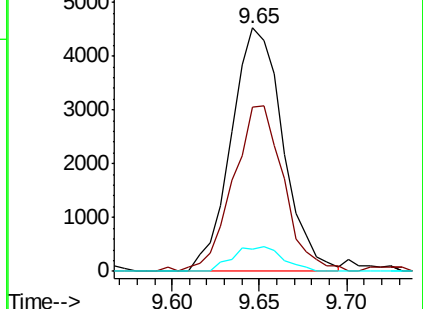
127 9.2 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.657 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW016462.D

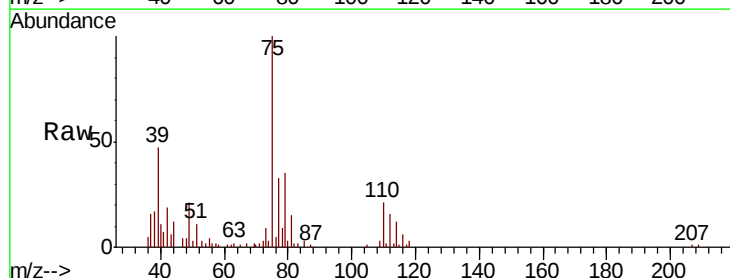
Acq: 04 Sep 2020 14:06

Tgt Ion: 75 Resp: 9342

Ion Ratio Lower Upper

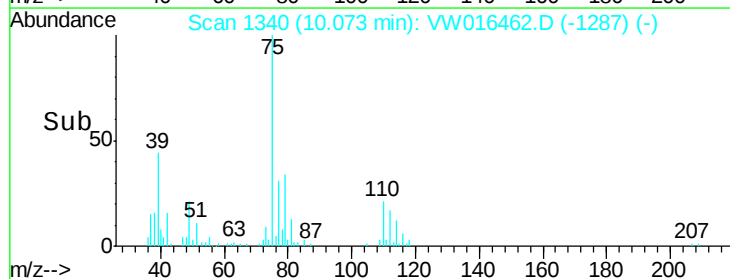
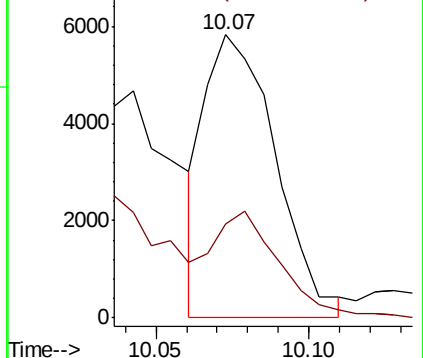
75 100

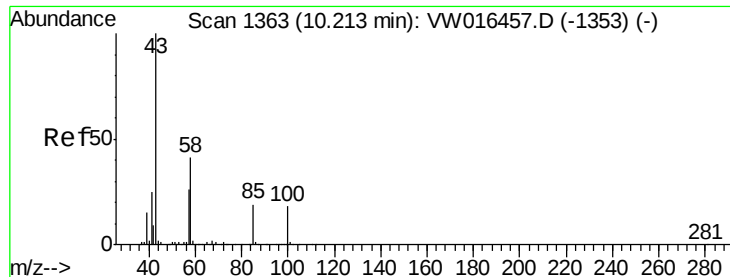
77 33.0 20.9 38.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

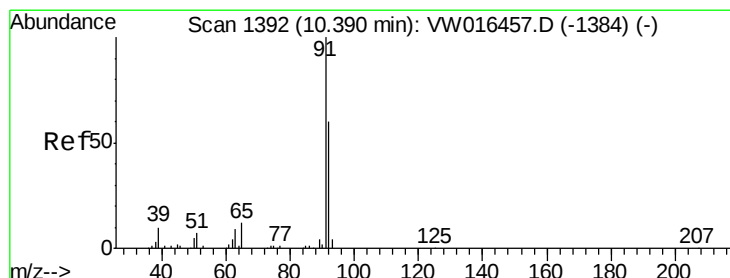
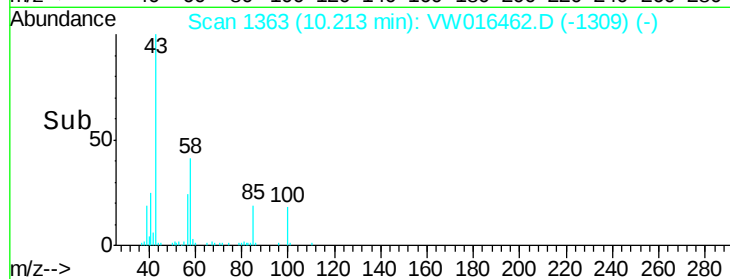
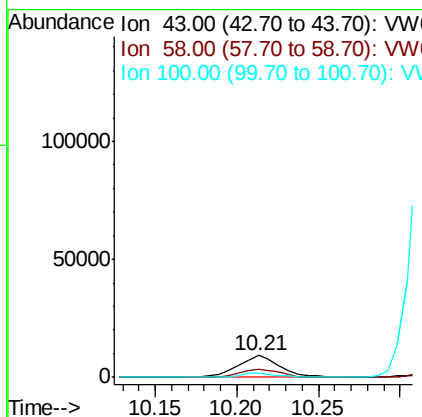
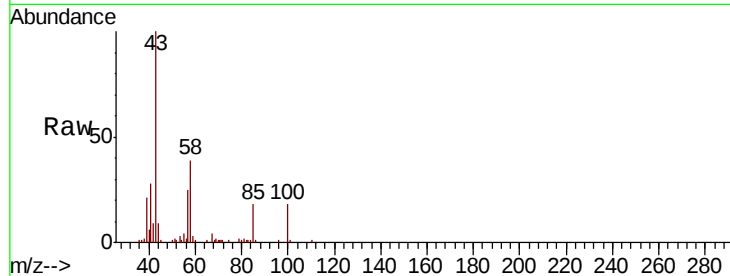




#43
4-Methyl-2-pentanone
Concen: 2.593 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

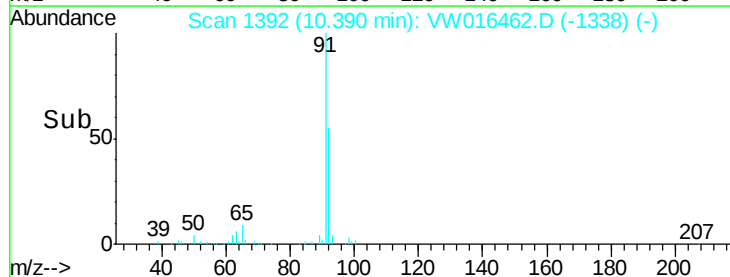
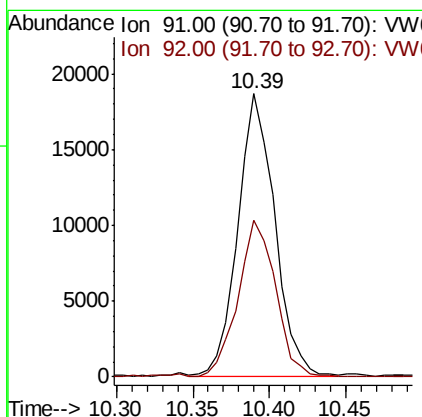
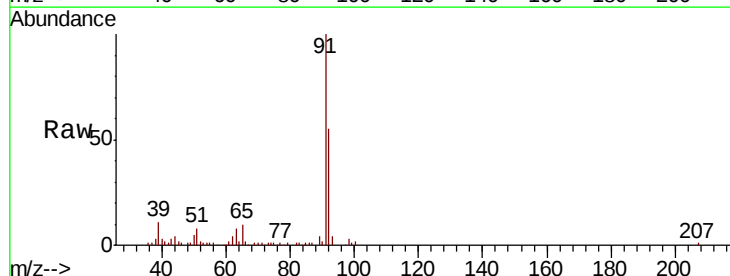
Instrument :
MSVOA_W
ClientSampleId :
MDL04

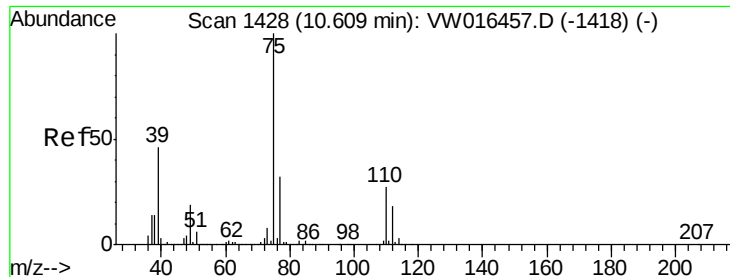
Tot Ion: 43 Resp: 15379
Ion Ratio Lower Upper
43 100
58 43.2 30.6 45.8
100 18.7 13.0 19.6



#44
Toluene
Concen: 0.823 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Tgt Ion: 91 Resp: 31212
Ion Ratio Lower Upper
91 100
92 55.3 39.5 73.4





#45

trans-1,3-Dichloropropene

Concen: 0.698 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

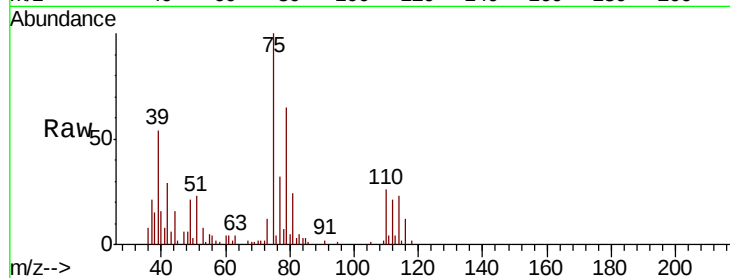
MDL04

Tot Ion: 75 Resp: 8869

Ion Ratio Lower Upper

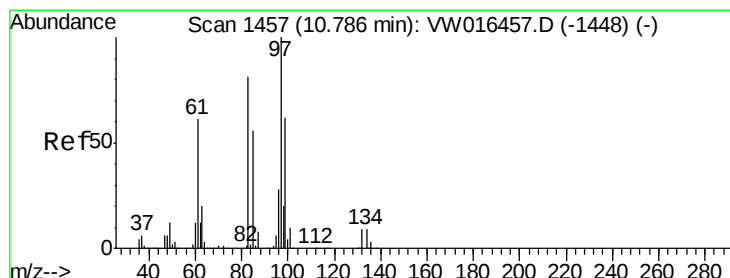
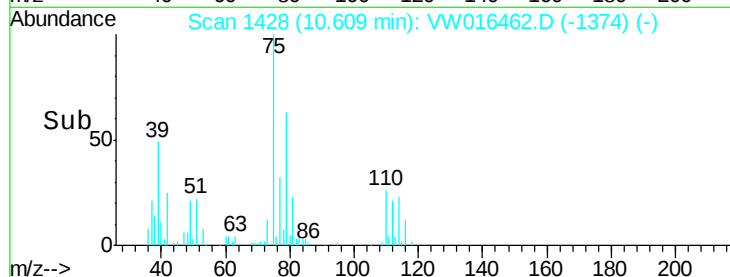
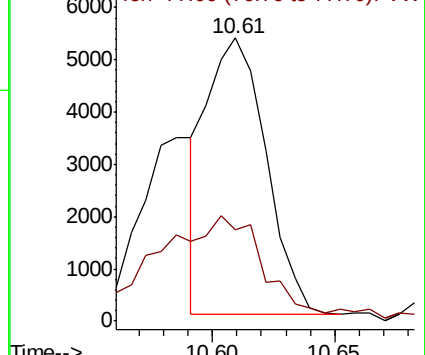
75 100

77 32.4 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 0.820 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Tgt Ion: 97 Resp: 5447

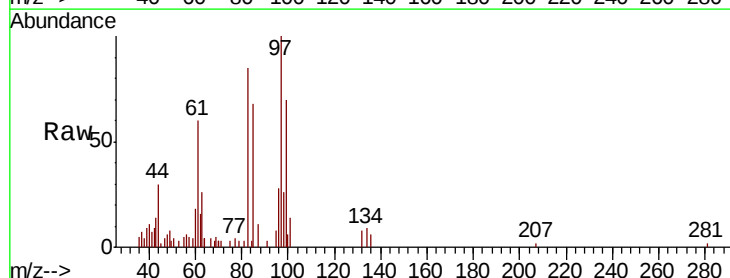
Ion Ratio Lower Upper

97 100

83 85.3 59.7 110.9

85 67.8 37.6 69.8

99 69.9 42.3 78.5

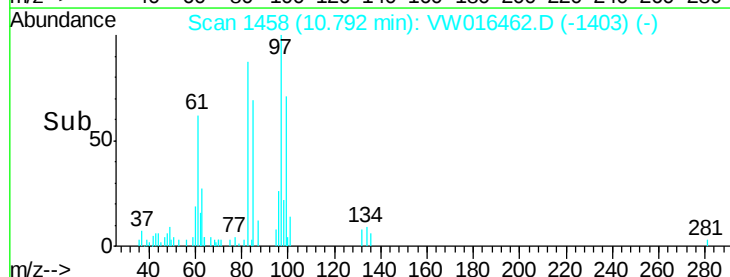
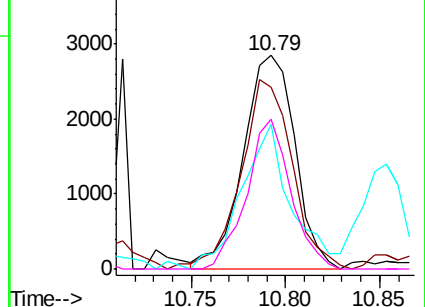


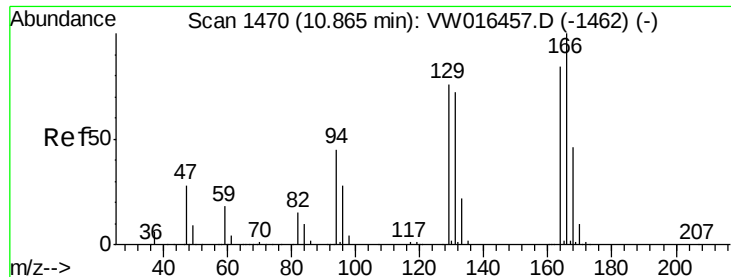
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

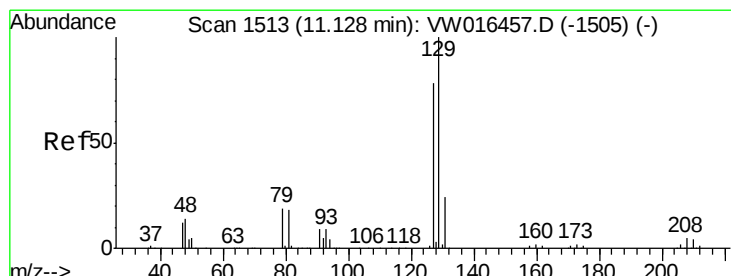
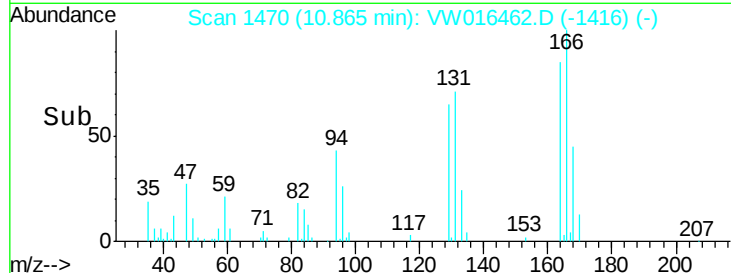
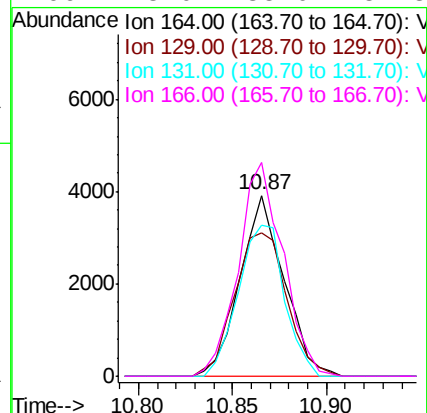
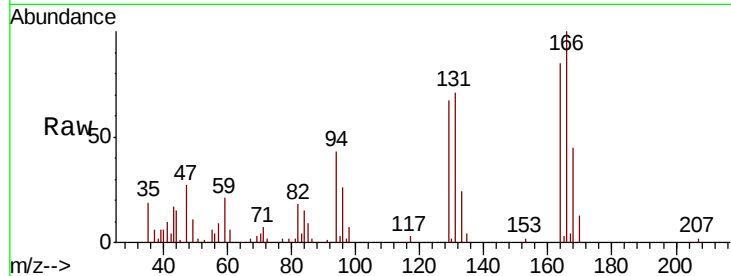




#47
Tetrachloroethene
Concen: 0.846 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

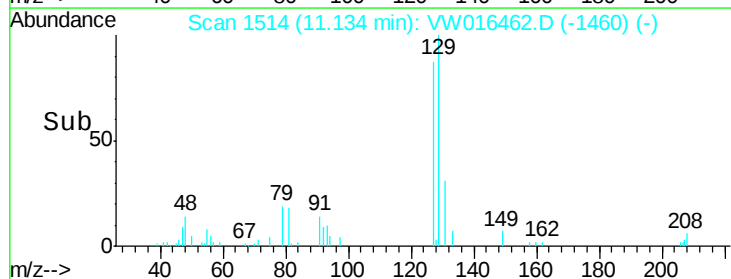
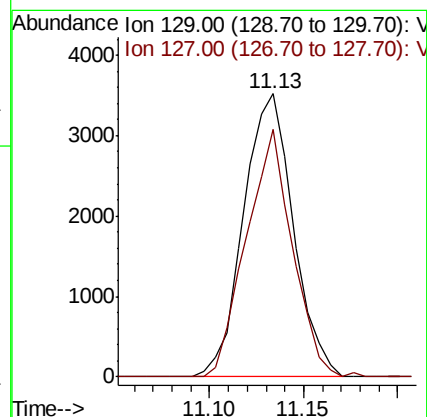
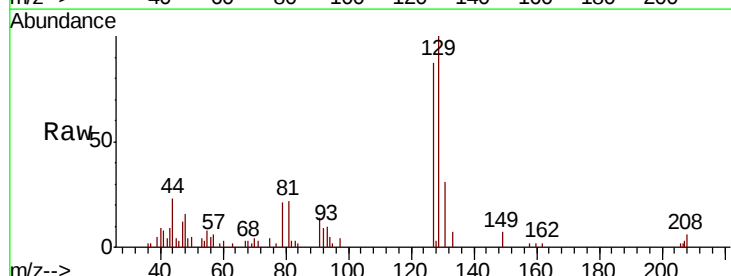
Instrument :
MSVOA_W
ClientSampleId :
MDL04

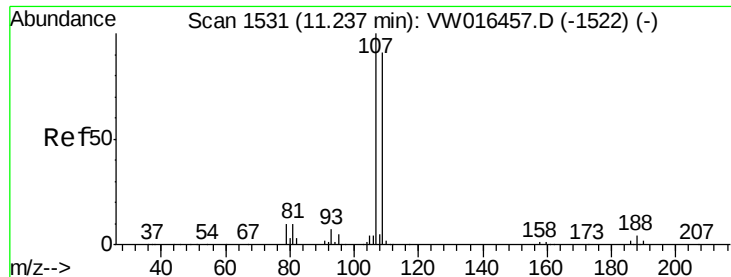
Tot Ion:164 Resp: 6364
Ion Ratio Lower Upper
164 100
129 79.1 65.7 121.9
131 83.4 61.1 113.5
166 118.0 85.0 157.8



#50
Dibromochloromethane
Concen: 0.768 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Tgt Ion:129 Resp: 6444
Ion Ratio Lower Upper
129 100
127 87.3 55.4 103.0

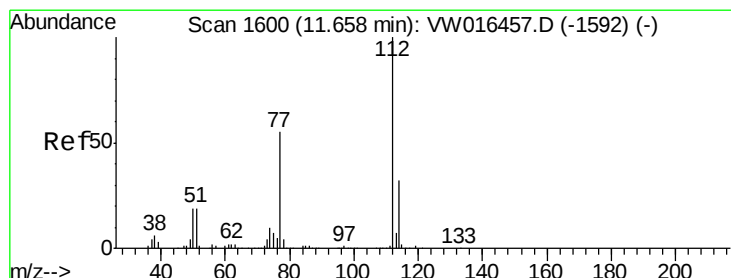
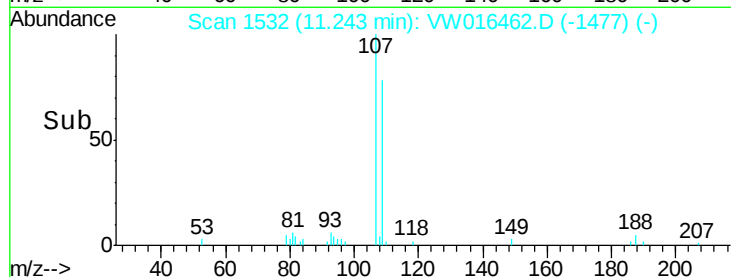
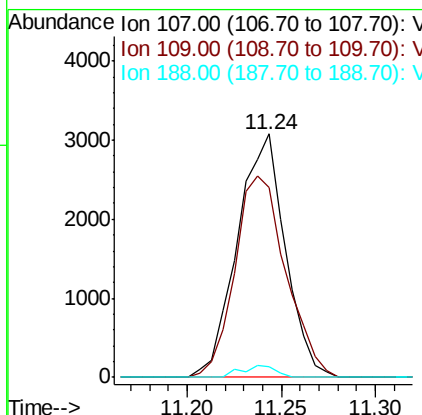
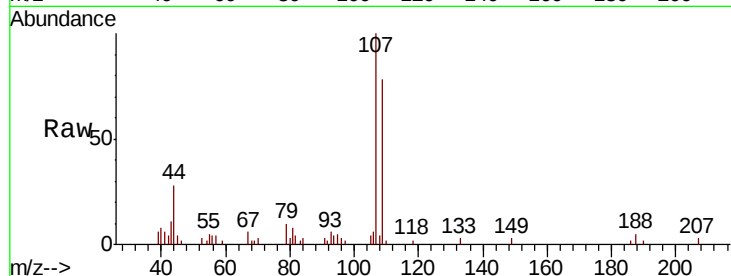




#51
 1,2-Dibromoethane
 Concen: 0.817 ug/L
 RT: 11.24 min Scan# 1532
 Delta R.T. 0.01 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

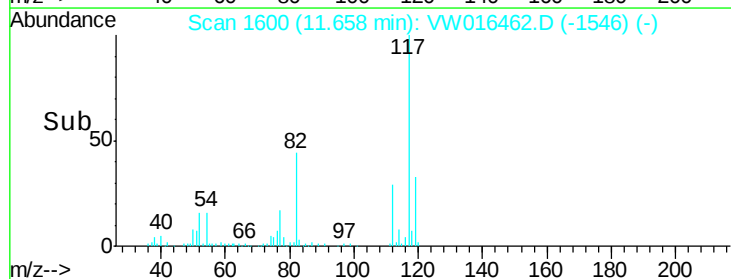
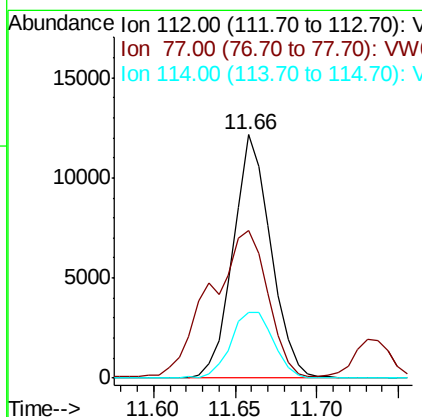
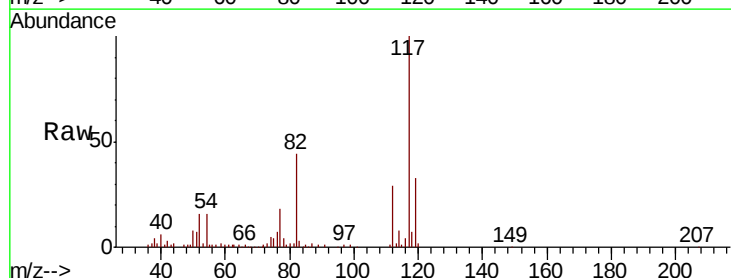
Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

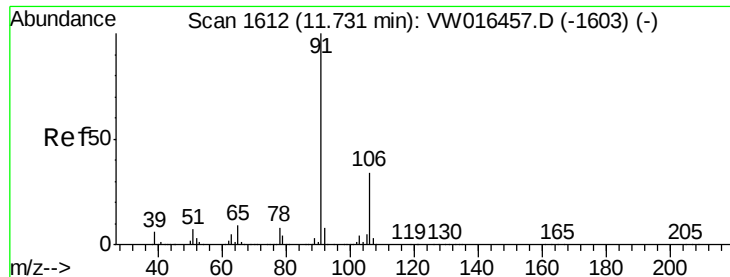
Tot Ion	Ratio	Lower	Upper
107	100		
109	77.8	64.8	120.4
188	4.6	3.4	5.0



#52
 Chlorobenzene
 Concen: 0.813 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.6	46.2	69.2
114	27.1	21.1	39.3





#53

Ethylbenzene

Concen: 0.790 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

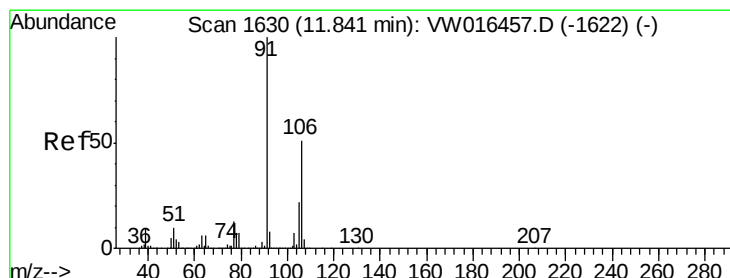
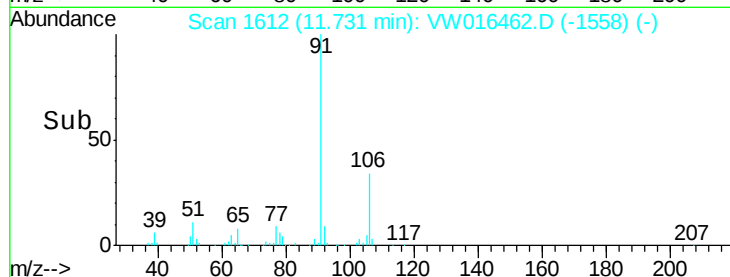
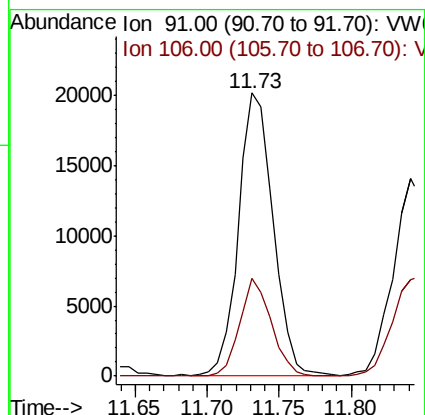
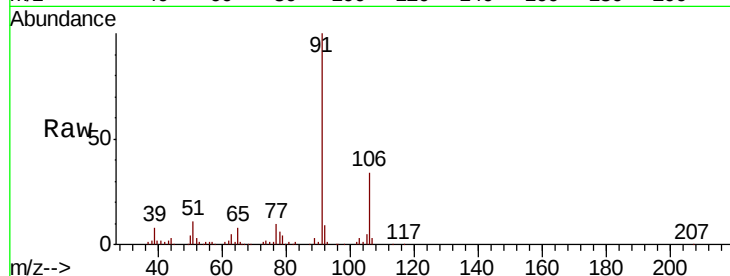
MDL04

Tot Ion: 91 Resp: 33725

Ion Ratio Lower Upper

91 100

106 34.3 21.6 40.2



#54

m,p-Xylene

Concen: 0.835 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW016462.D

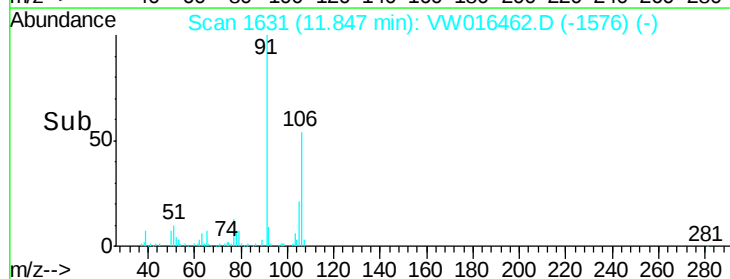
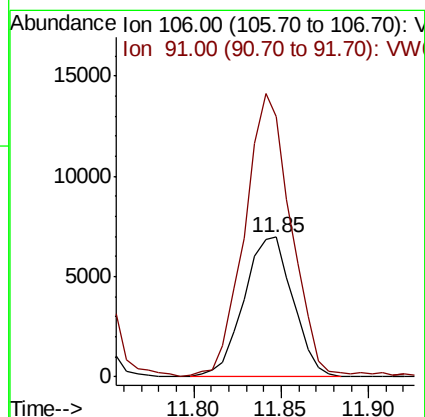
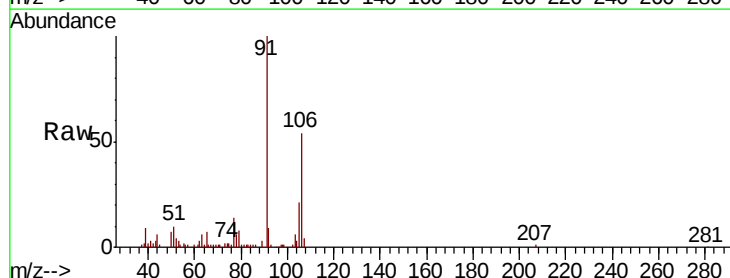
Acq: 04 Sep 2020 14:06

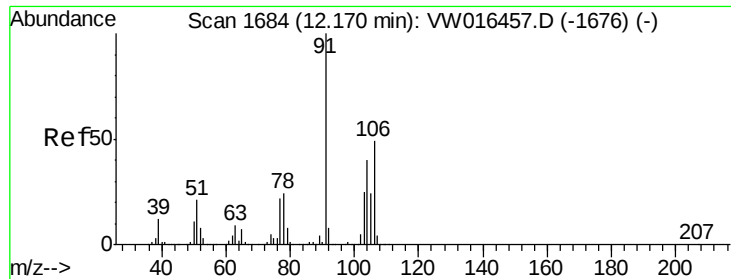
Tgt Ion: 106 Resp: 13620

Ion Ratio Lower Upper

106 100

91 186.2 142.3 264.3





#55

o-xylene

Concen: 0.786 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

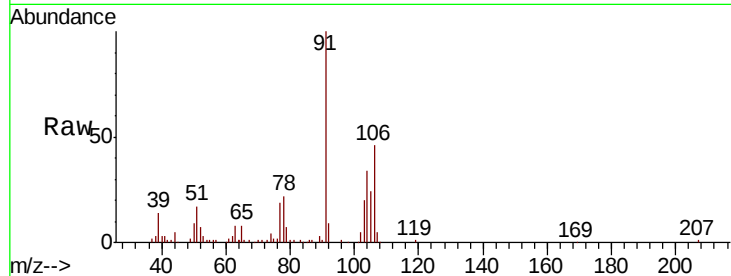
MDL04

Tot Ion:106 Resp: 12226

Ion Ratio Lower Upper

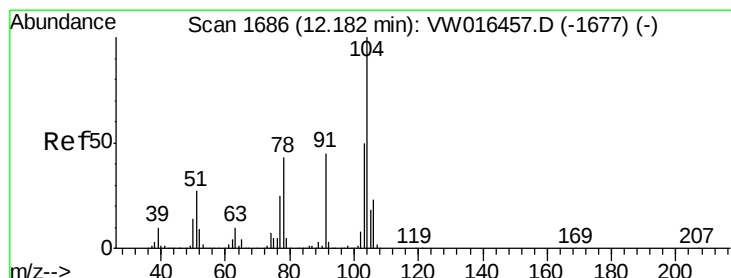
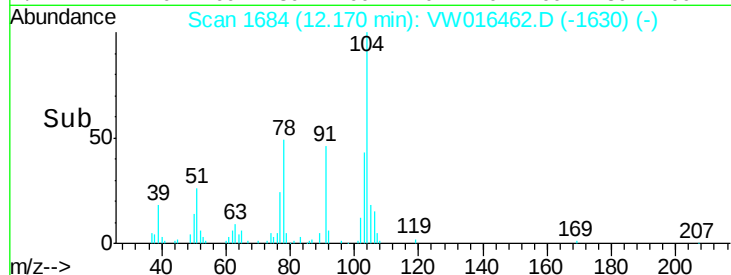
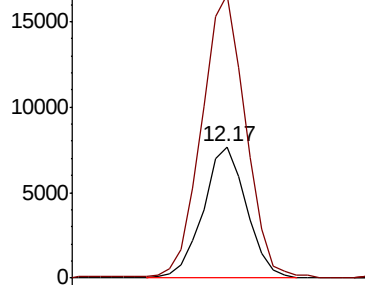
106 100

91 215.4 144.3 267.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 0.781 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016462.D

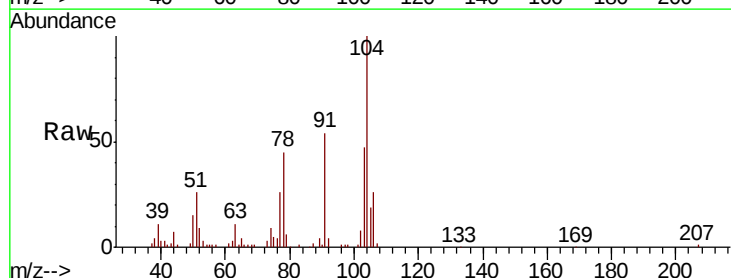
Acq: 04 Sep 2020 14:06

Tgt Ion:104 Resp: 20859

Ion Ratio Lower Upper

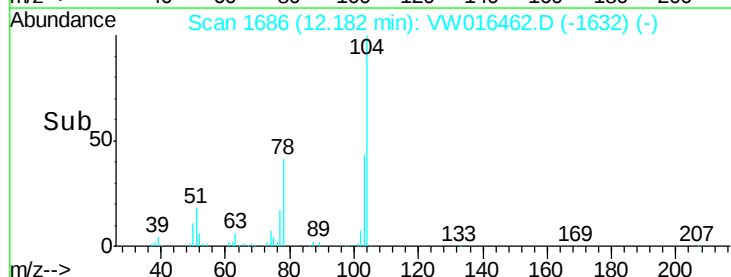
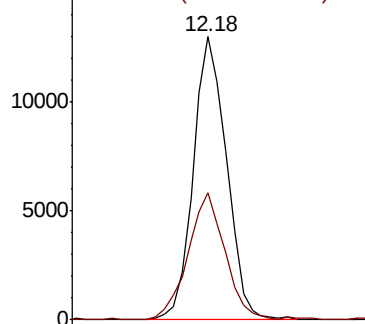
104 100

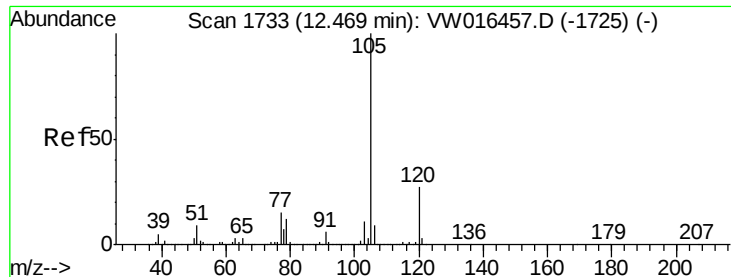
78 45.0 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 0.828 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

MDL04

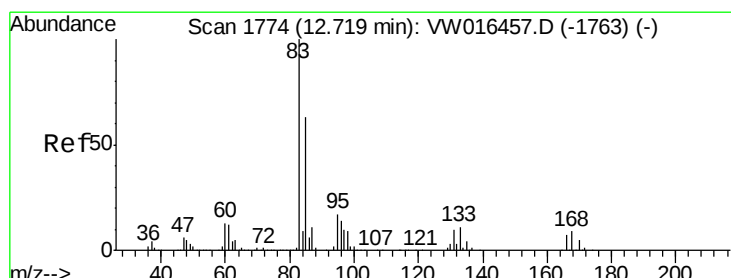
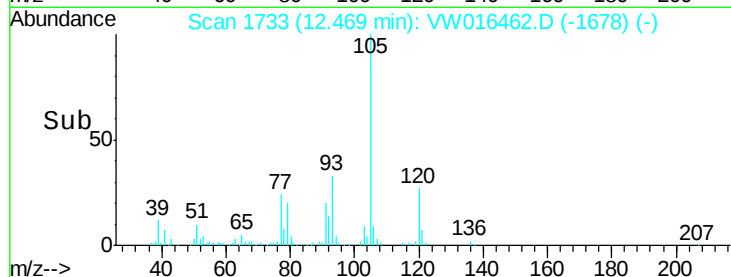
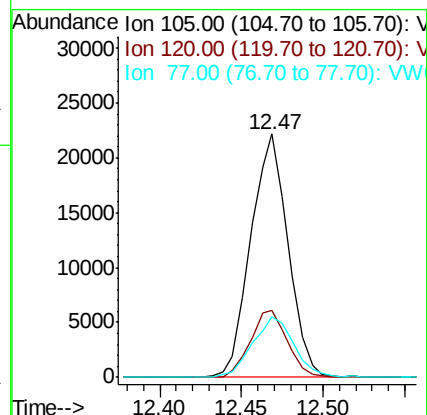
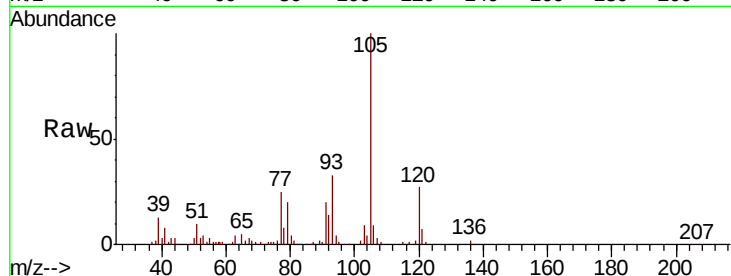
Tot Ion:105 Resp: 35242

Ion Ratio Lower Upper

105 100

120 27.0 21.9 32.9

77 27.7 13.0 19.6#



#58

1,1,2,2-Tetrachloroethane

Concen: 0.942 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

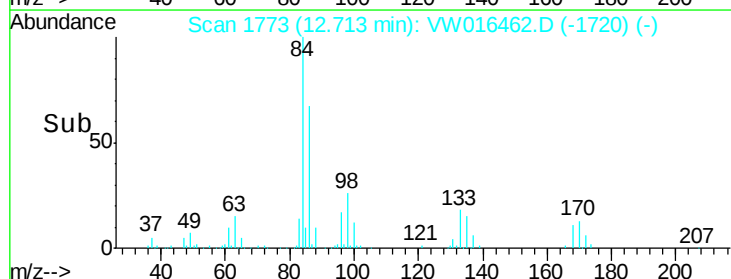
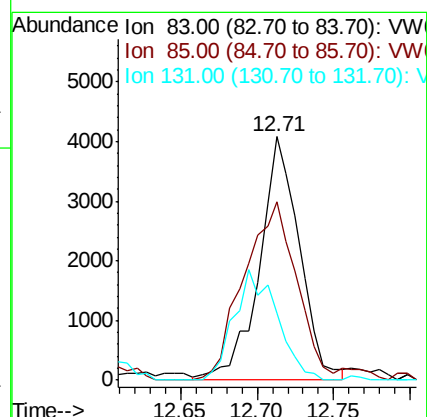
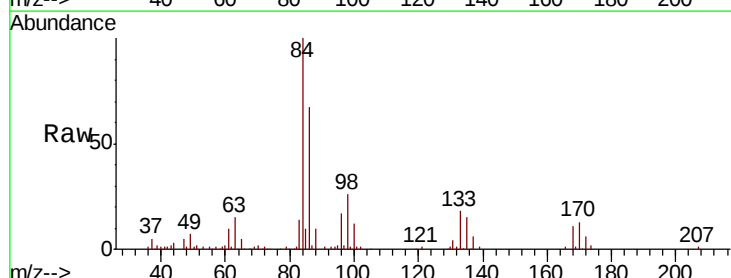
Tgt Ion: 83 Resp: 7455

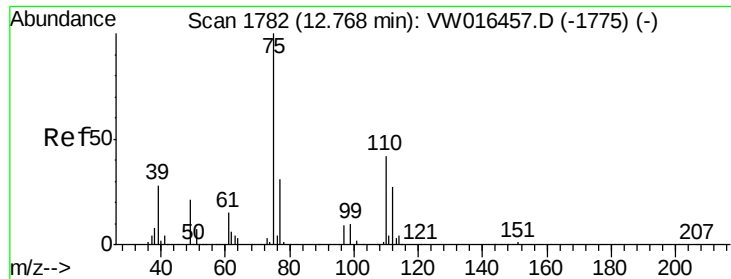
Ion Ratio Lower Upper

83 100

85 73.3 45.3 84.1

131 27.3 8.7 13.1#





#59

1,2,3-Trichloropropane

Concen: 0.791 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

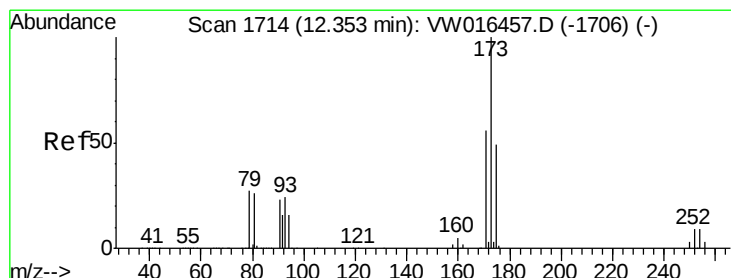
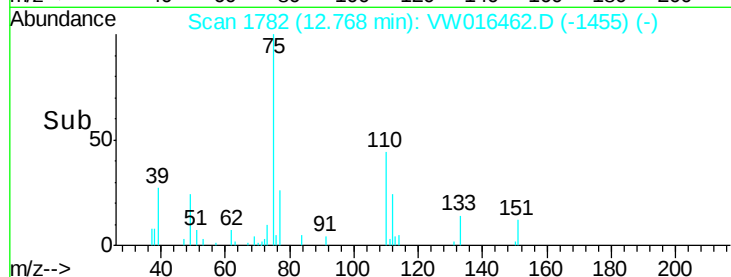
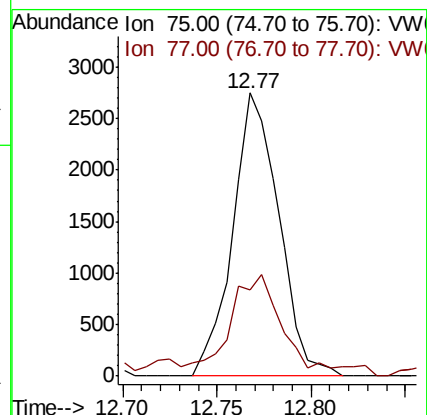
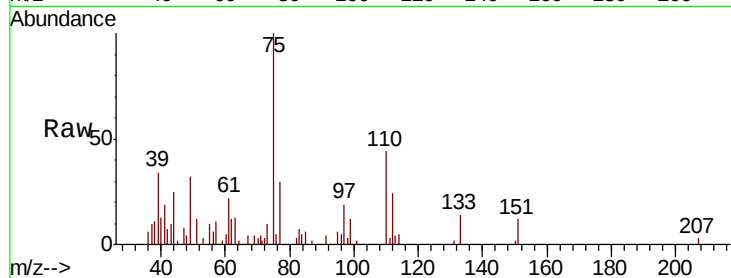
MDL04

Tot Ion: 75 Resp: 4677

Ion Ratio Lower Upper

75 100

77 32.0 26.0 39.0



#62

Bromoform

Concen: 0.742 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

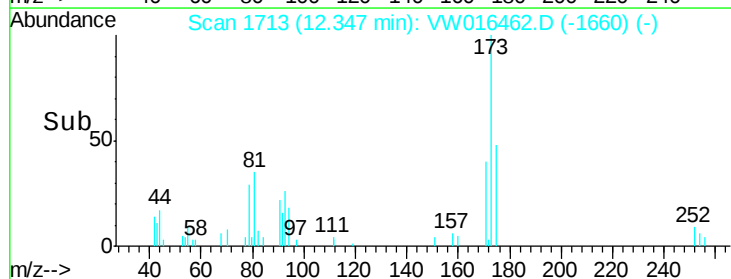
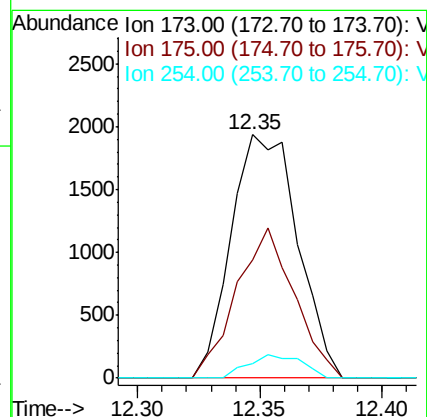
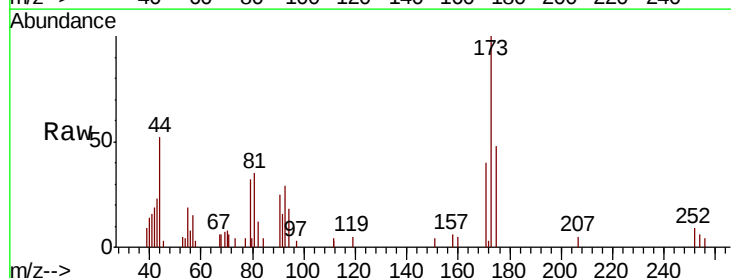
Tgt Ion: 173 Resp: 3656

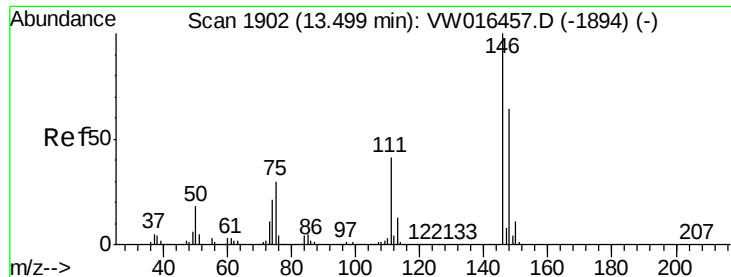
Ion Ratio Lower Upper

173 100

175 53.6 39.2 58.8

254 7.8 5.8 8.6

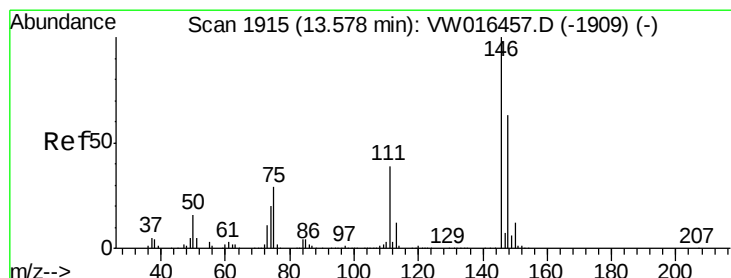
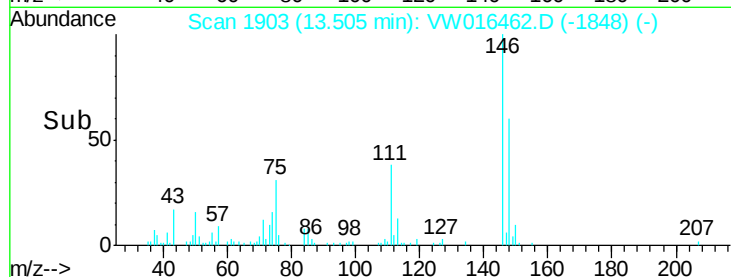
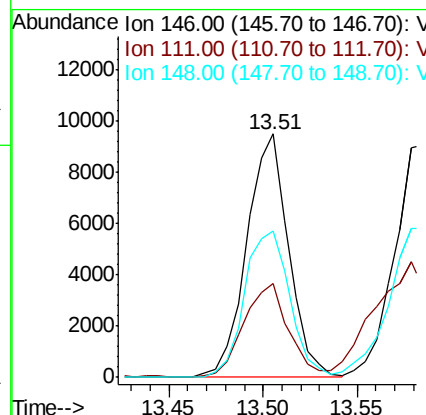
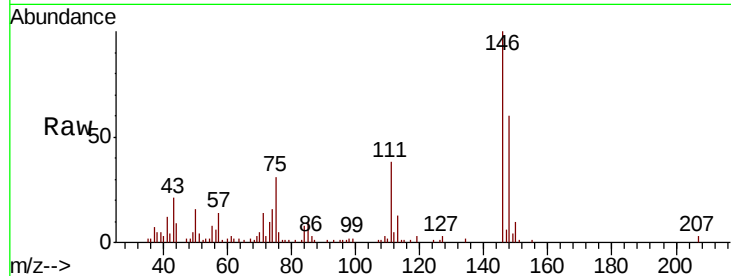




#63
 1,3-Dichlorobenzene
 Concen: 0.788 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

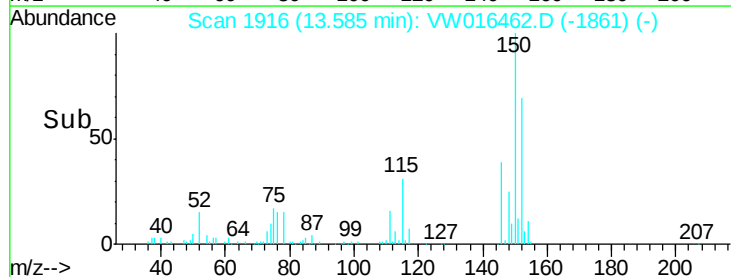
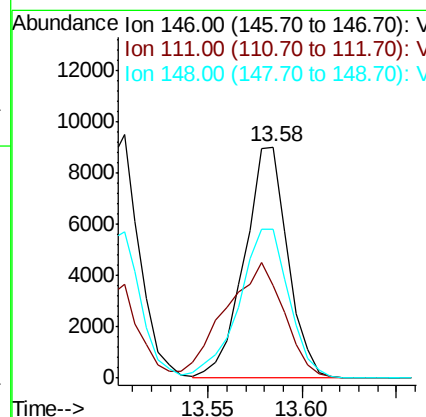
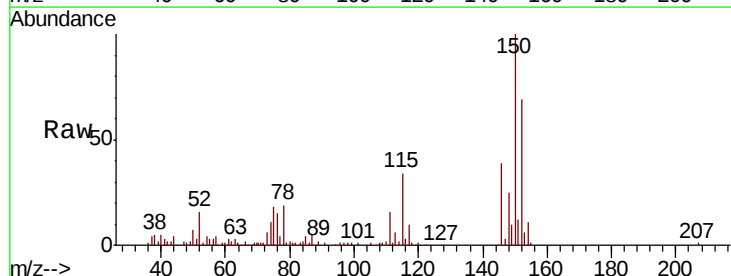
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

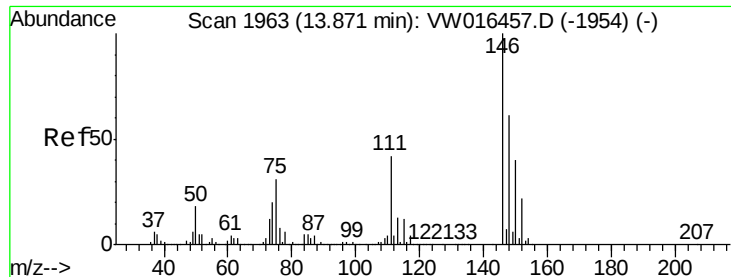
Tot Ion:146 Resp: 14569
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.5 49.3
 148 59.9 41.3 76.7



#64
 1,4-Dichlorobenzene
 Concen: 0.788 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Tgt Ion:146 Resp: 14430
 Ion Ratio Lower Upper
 146 100
 111 40.2 26.4 49.0
 148 64.3 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 0.841 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

MDL04

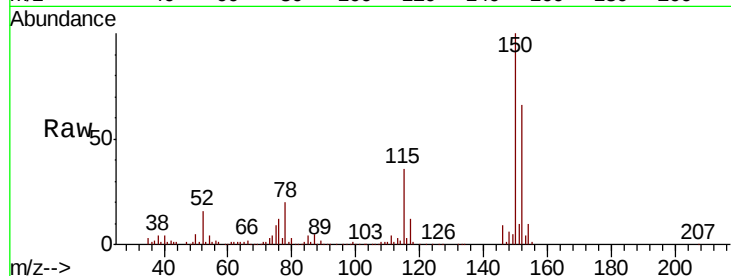
Tot Ion:146 Resp: 13807

Ion Ratio Lower Upper

146 100

111 44.1 35.3 52.9

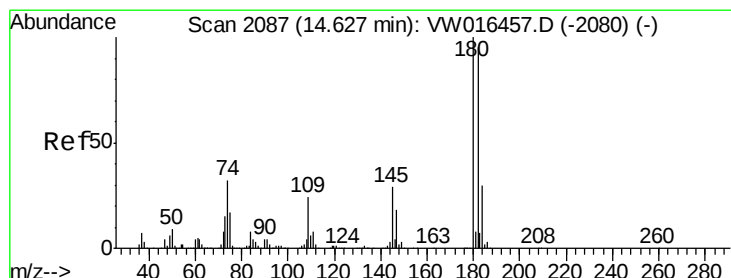
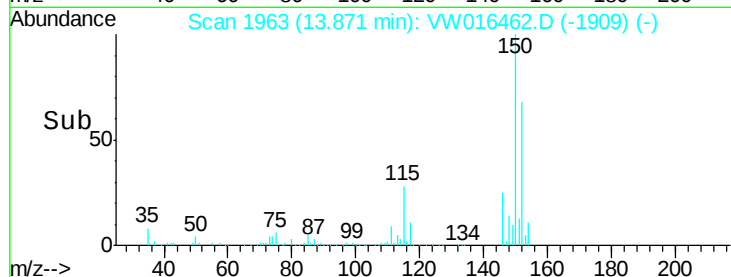
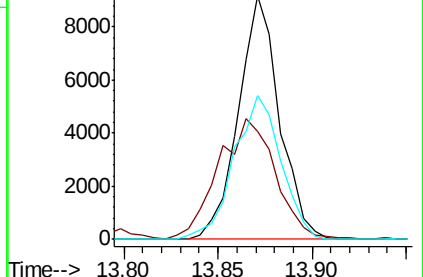
148 59.3 49.8 74.8



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: 0.776 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Tgt Ion:180 Resp: 9886

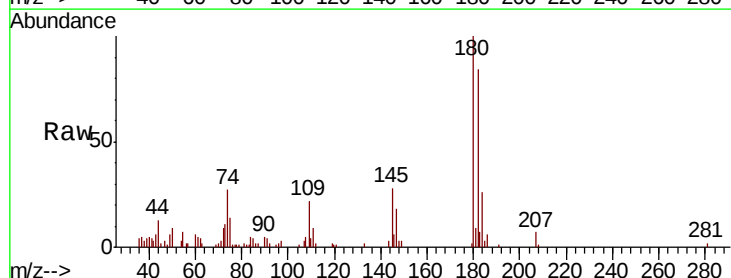
Ion Ratio Lower Upper

180 100

182 90.5 75.8 113.8

184 28.6 24.2 36.2

145 30.9 24.6 36.8

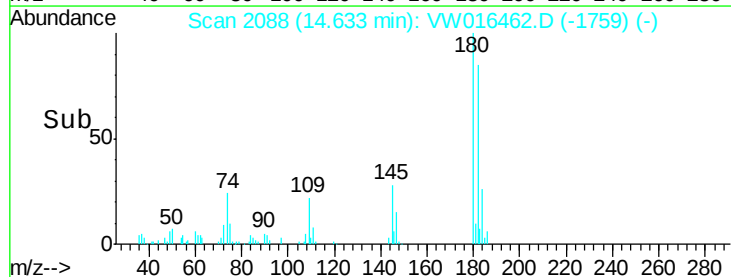
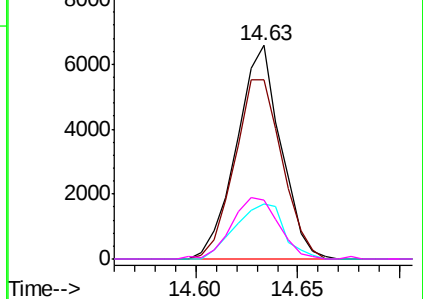


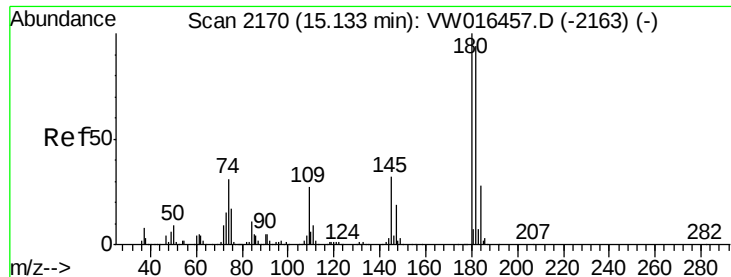
Abundance Ion 180.00 (179.70 to 180.70): V

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

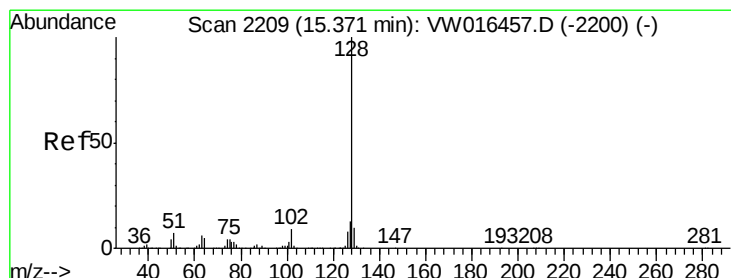
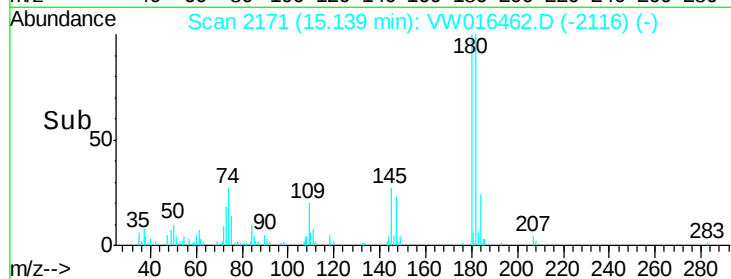
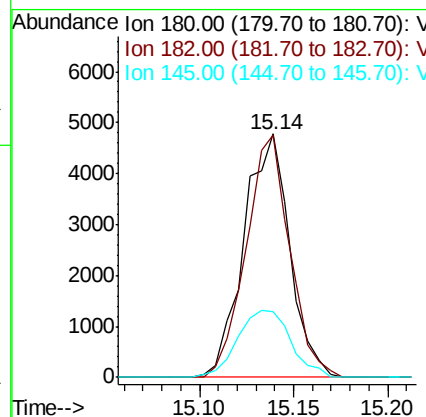
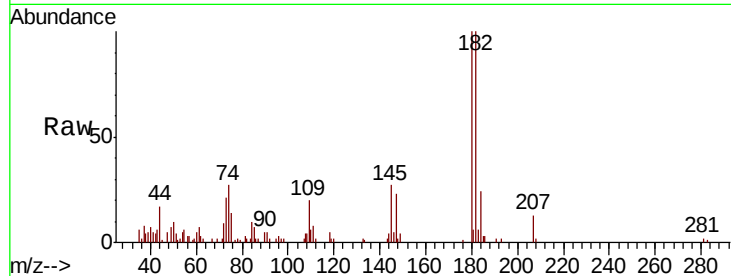




#68
 1,2,4-trichlorobenzene
 Concen: 0.729 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

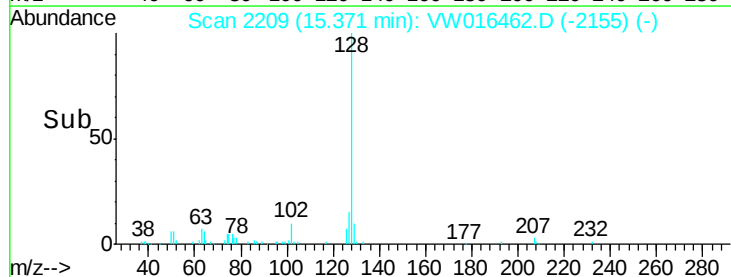
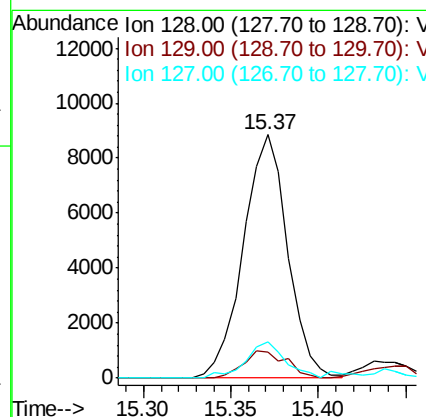
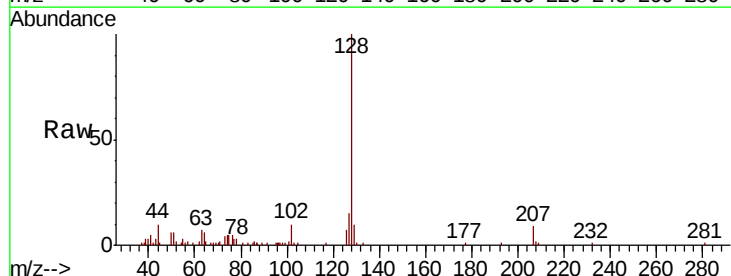
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

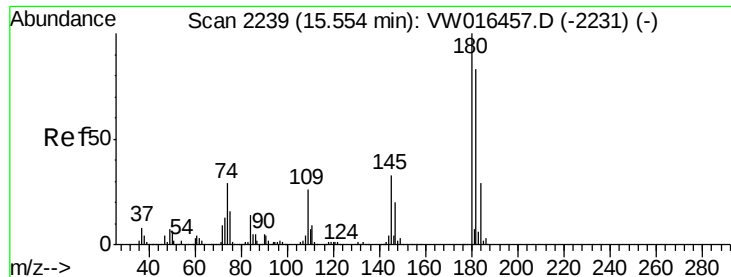
Tot Ion:180 Resp: 8028
 Ion Ratio Lower Upper
 180 100
 182 95.3 78.5 117.7
 145 31.9 25.6 38.4



#69
 Naphthalene
 Concen: 0.672 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Tgt Ion:128 Resp: 15620
 Ion Ratio Lower Upper
 128 100
 129 10.8 8.7 13.1
 127 13.3 10.5 15.7





#70
 1,2,3-Trichlorobenzene
 Concen: 0.704 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Tot Ion:180 Resp: 6663
 Ion Ratio Lower Upper
 180 100
 182 92.2 76.1 114.1
 145 35.7 28.1 42.1

