

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
 Data File : VW016464.D
 Acq On : 04 Sep 2020 15:12
 Operator : SY/VA
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Quant Time: Sep 08 01:03:06 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	732597	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	653075	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	301293	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	163589	21.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.20%
7) Chloroethane-d5	2.90	69	154151	22.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.36%
10) 1,1-Dichloroethene-d2	4.02	63	275032	15.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.56%
20) 2-Butanone-d5	7.07	46	114130	41.11	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.22%
24) Chloroform-d	7.65	84	371944	21.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.68%
26) 1,2-Dichloroethane-d4	8.31	65	205037	21.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.40%
29) Benzene-d6	8.27	84	741269	22.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.32%
33) 1,2-Dichloropropane-d6	9.27	67	212660	21.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.20%
37) Toluene-d8	10.32	98	715259	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.68%
38) trans-1,3-Dichloropropene-	10.58	79	104608	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.04%
39) 2-Hexanone-d5	10.93	63	90497	45.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	185802	22.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	242620	23.30	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.03	85	5492	0.670	ug/L	99
3) Chloromethane	2.22	50	4576	0.636	ug/L	99
5) Vinyl chloride	2.37	62	7334	0.800	ug/L #	38
6) Bromomethane	2.79	94	4755	0.694	ug/L	83
8) Chloroethane	2.93	64	4564	0.809	ug/L	89
9) Trichlorofluoromethane	3.28	101	4562	0.608	ug/L	99
12) 1,1-Dichloroethene	4.05	96	8606	0.953	ug/L #	1
13) Acetone	4.12	43	4533	2.544	ug/L	77
14) Carbon disulfide	4.39	76	17965	0.651	ug/L #	94
16) Methylene chloride	4.92	84	21341	1.867	ug/L	86
17) Methyl tert-butyl Ether	5.43	73	9440	0.697	ug/L #	69
18) trans-1,2-Dichloroethene	5.43	96	6526	0.681	ug/L	88
19) 1,1-Dichloroethane	6.21	63	9659	0.592	ug/L	92
22) cis-1,2-Dichloroethene	7.17	96	6598	0.660	ug/L	92
23) Bromochloromethane	7.52	128	3284	0.709	ug/L #	58
27) 1,2-Dichloroethane	8.40	62	7505	0.667	ug/L	99
30) Cyclohexane	7.95	56	9650	0.619	ug/L #	92

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

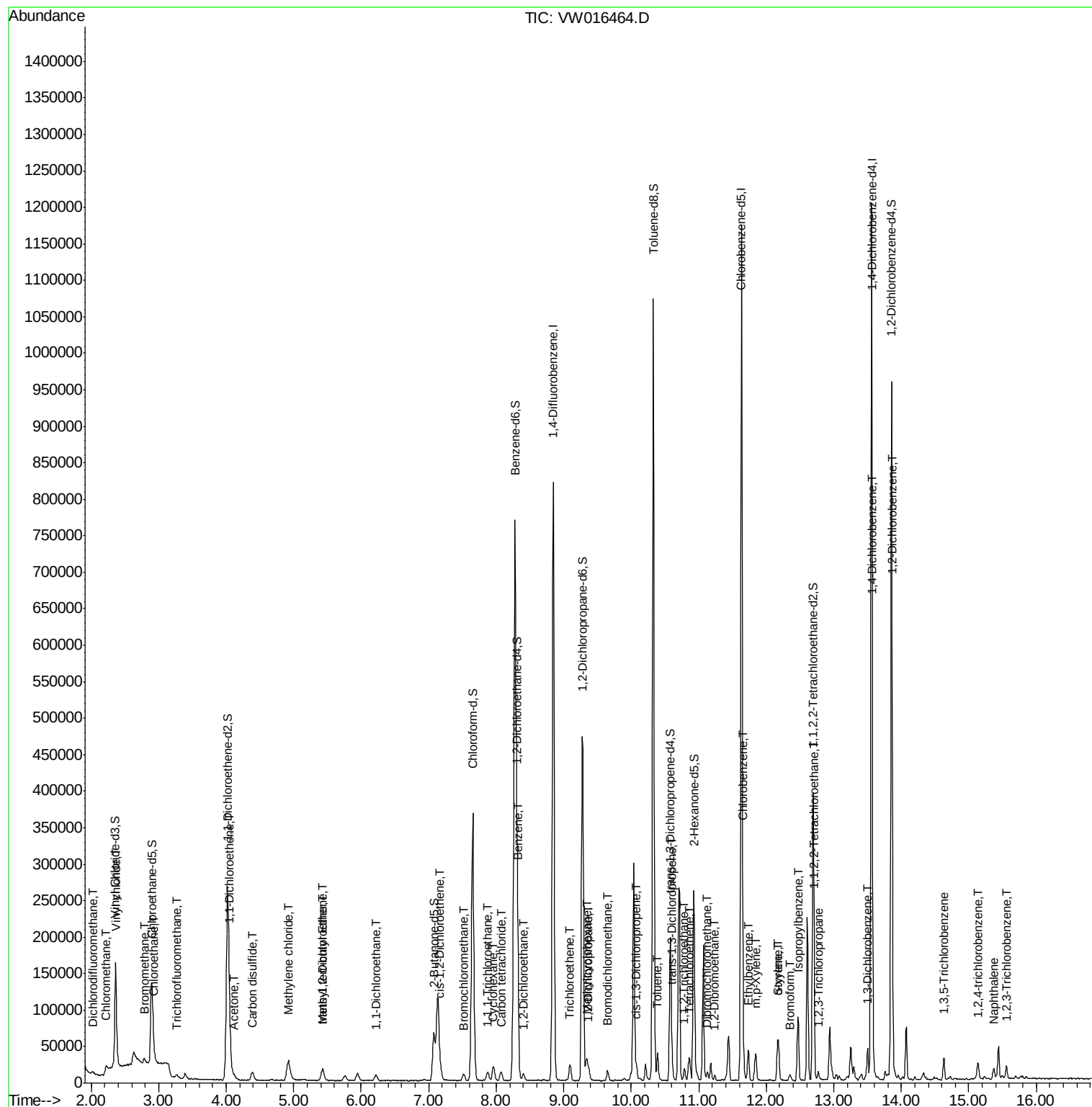
31) 1,1,1-Trichloroethane	7.87	97	9642	0.682	ug/L	98
32) Carbon tetrachloride	8.07	117	9228	0.682	ug/L	97
34) Benzene	8.32	78	23842	0.668	ug/L	100
35) Trichloroethene	9.09	95	7154	0.723	ug/L	94
36) Methylcyclohexane	9.34	83	12469	0.720	ug/L	98
40) 1,2-Dichloropropane	9.37	63	5633	0.638	ug/L	100
41) Bromodichloromethane	9.65	83	8353	0.677	ug/L	88
42) cis-1,3-Dichloropropene	10.08	75	8973	0.599	ug/L	96
44) Toluene	10.39	91	27068	0.677	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	8002	0.598	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	4781	0.683	ug/L	95
47) Tetrachloroethene	10.86	164	5487	0.692	ug/L	90
50) Dibromochloromethane	11.13	129	5599	0.633	ug/L	94
51) 1,2-Dibromoethane	11.24	107	4500	0.644	ug/L #	84
52) Chlorobenzene	11.66	112	16513	0.651	ug/L	91
53) Ethylbenzene	11.73	91	29350	0.652	ug/L	97
54) m,p-Xylene	11.84	106	12008	0.698	ug/L	84
55) o-xylene	12.17	106	10666	0.651	ug/L	95
56) Styrene	12.18	104	17799	0.632	ug/L	99
57) Isopropylbenzene	12.47	105	32070	0.715	ug/L #	85
58) 1,1,2,2-Tetrachloroethane	12.71	83	6896	0.827	ug/L #	92
59) 1,2,3-Trichloropropane	12.77	75	4282	0.687	ug/L	98
62) Bromoform	12.35	173	3141	0.621	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	13263	0.699	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	13169	0.700	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	11863	0.704	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.63	180	8646	0.661	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	7036	0.622	ug/L	92
69) Naphthalene	15.37	128	12695	0.532	ug/L #	92
70) 1,2,3-Trichlorobenzene	15.56	180	5713	0.588	ug/L	96

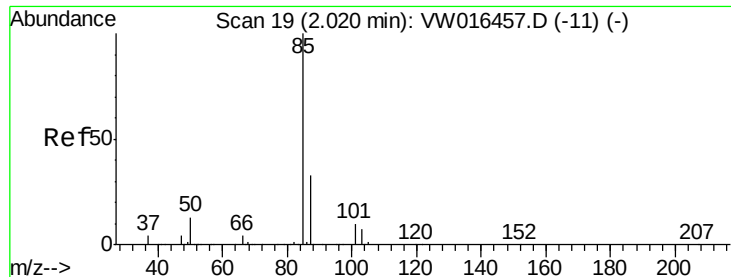
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.670 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

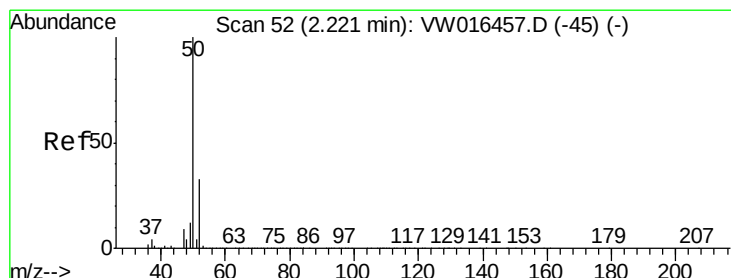
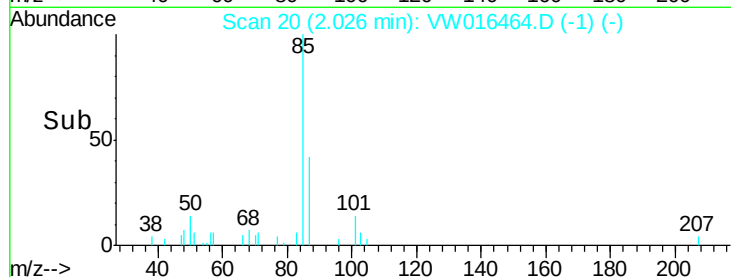
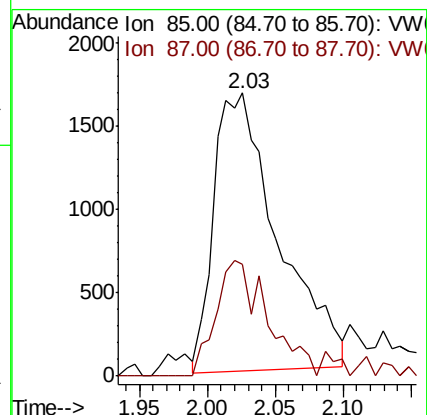
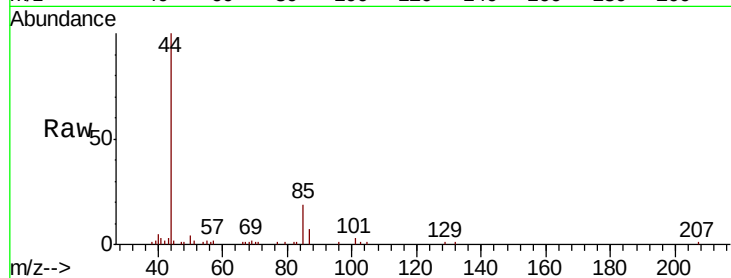
MDL06

Tot Ion: 85 Resp: 5492

Ion Ratio Lower Upper

85 100

87 31.4 22.3 41.5



#3

Chloromethane

Concen: 0.636 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW016464.D

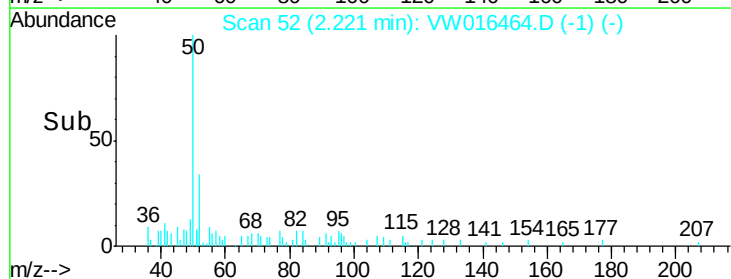
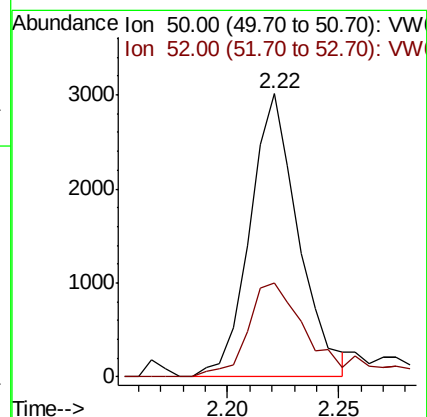
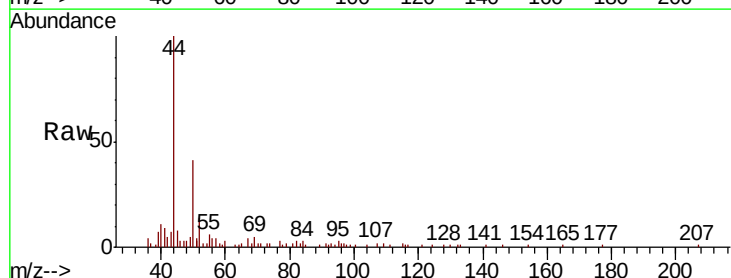
Acq: 04 Sep 2020 15:12

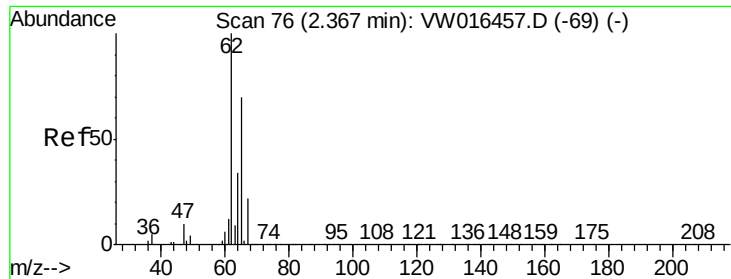
Tgt Ion: 50 Resp: 4576

Ion Ratio Lower Upper

50 100

52 33.2 23.0 42.6





#5

Vinyl chloride

Concen: 0.800 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

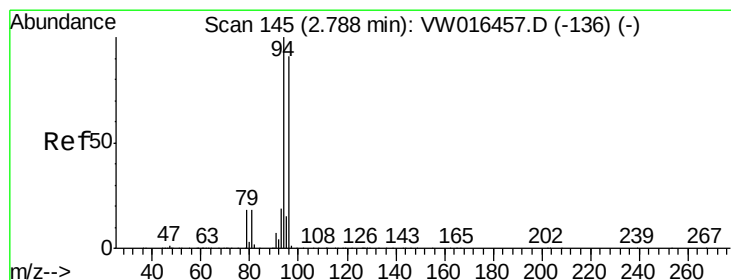
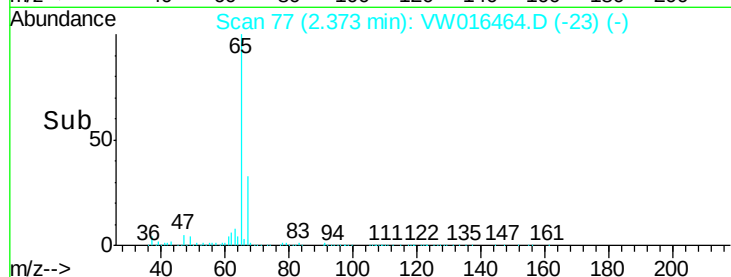
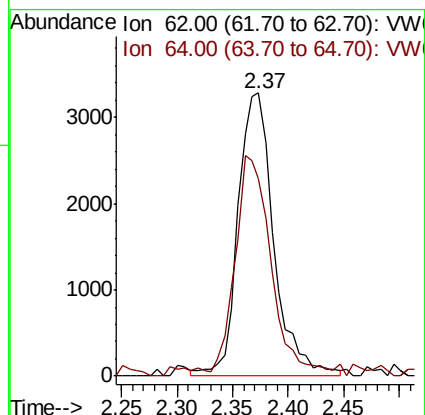
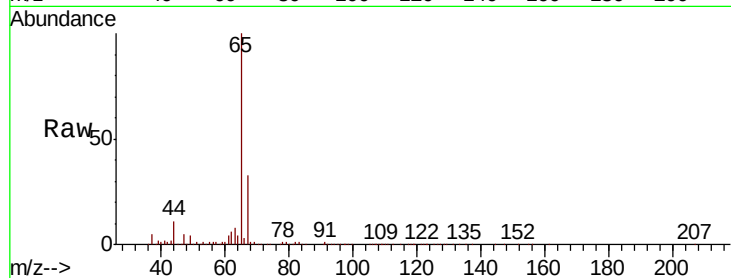
MDL06

Tot Ion: 62 Resp: 7334

Ion Ratio Lower Upper

62 100

64 69.8 23.9 44.5#



#6

Bromomethane

Concen: 0.694 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW016464.D

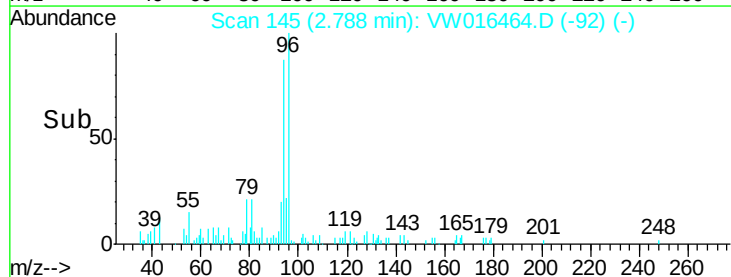
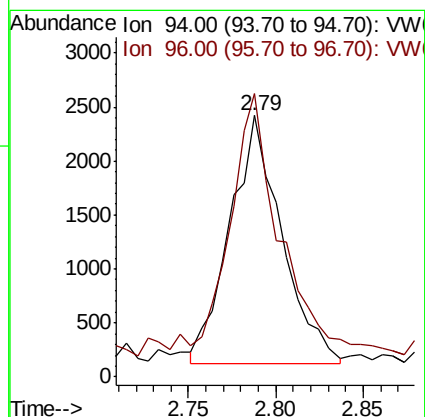
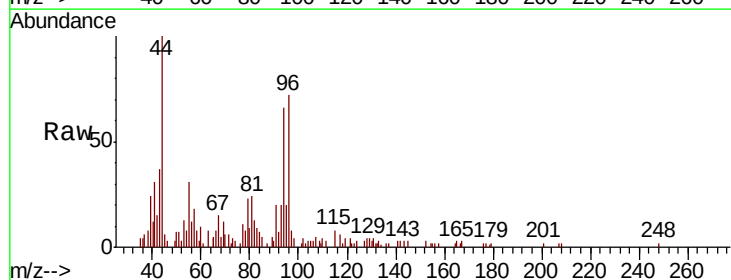
Acq: 04 Sep 2020 15:12

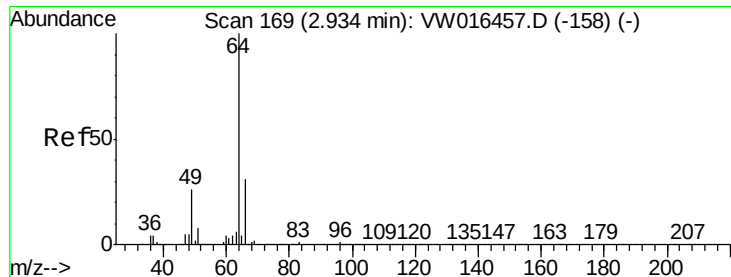
Tgt Ion: 94 Resp: 4755

Ion Ratio Lower Upper

94 100

96 110.3 9.4 178.2





#8

Chloroethane

Concen: 0.809 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

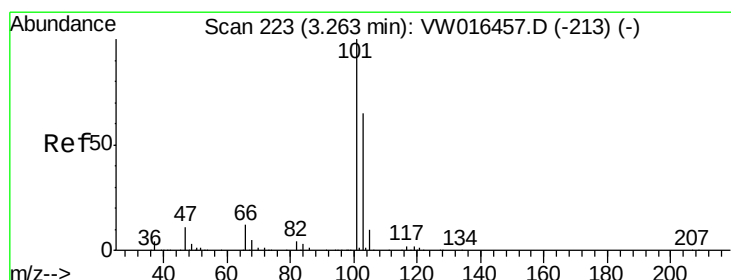
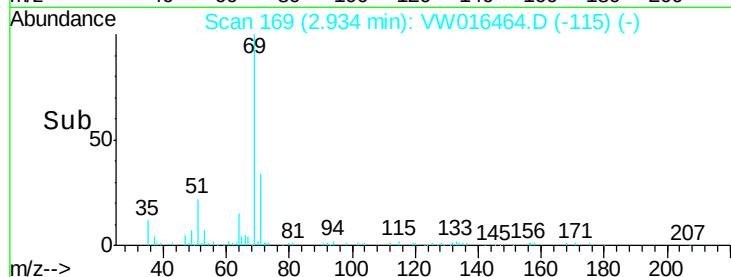
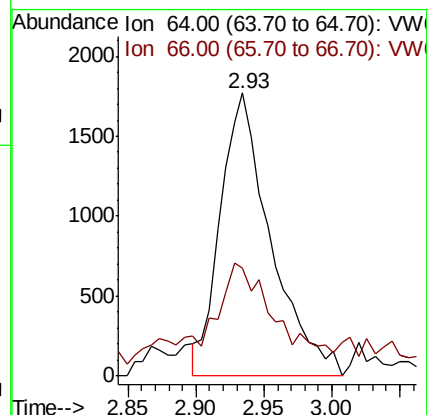
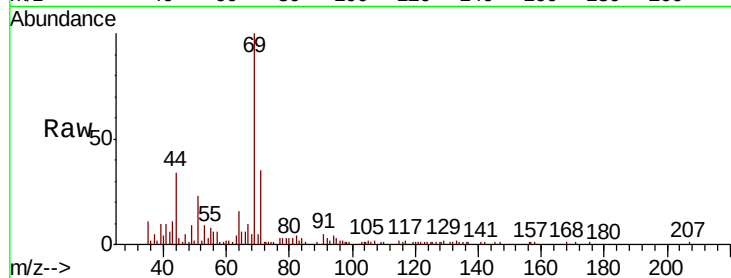
MDL06

Tot Ion: 64 Resp: 4564

Ion Ratio Lower Upper

64 100

66 38.4 22.4 41.6



#9

Trichlorofluoromethane

Concen: 0.608 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.00 min

Lab File: VW016464.D

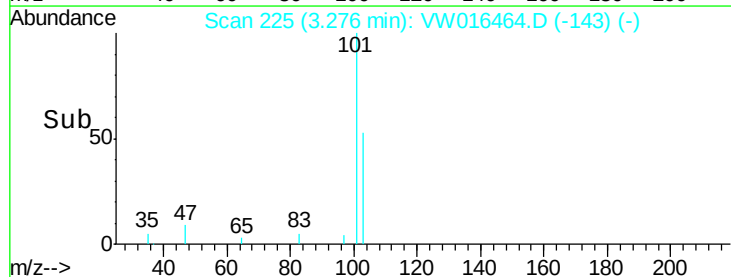
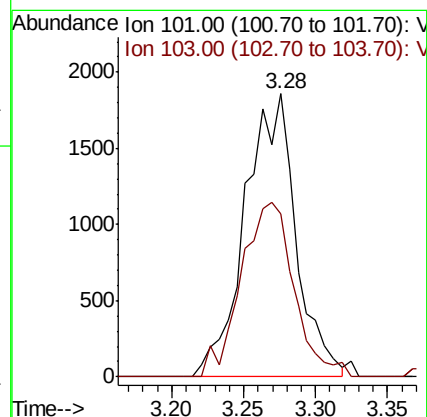
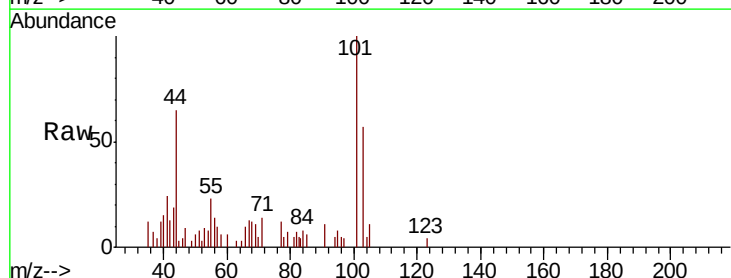
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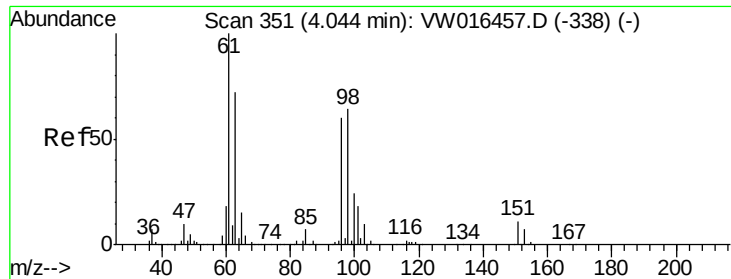
Tgt Ion: 101 Resp: 4562

Ion Ratio Lower Upper

101 100

103 63.5 45.1 83.7

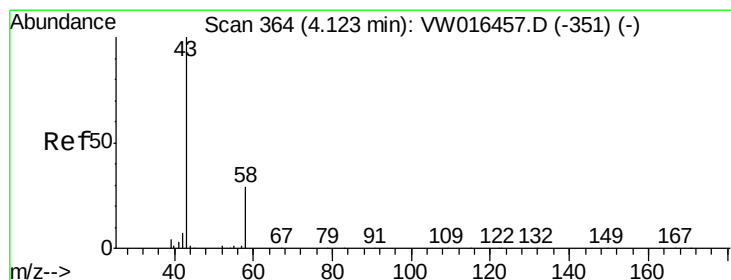
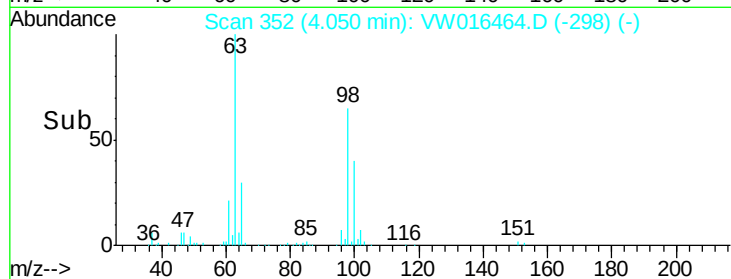
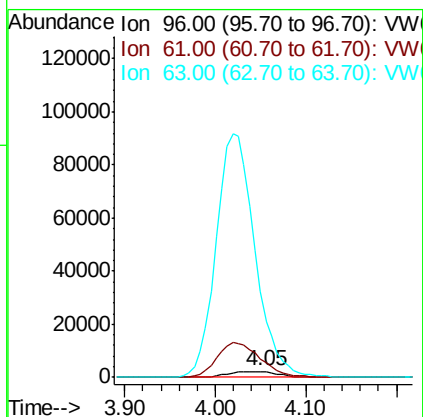
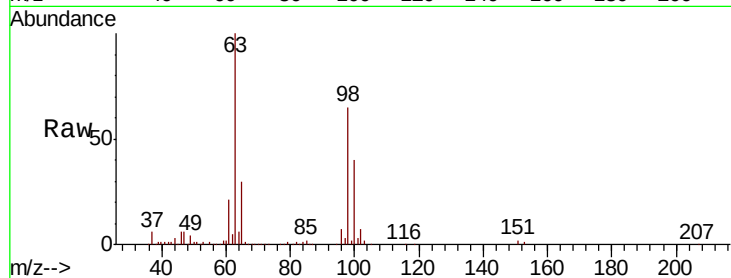




#12
 1,1-Dichloroethene
 Concen: 0.953 ug/L
 RT: 4.05 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

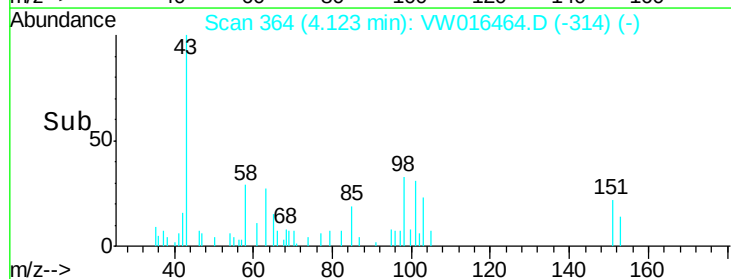
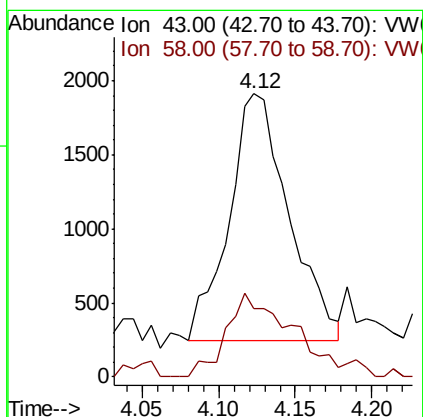
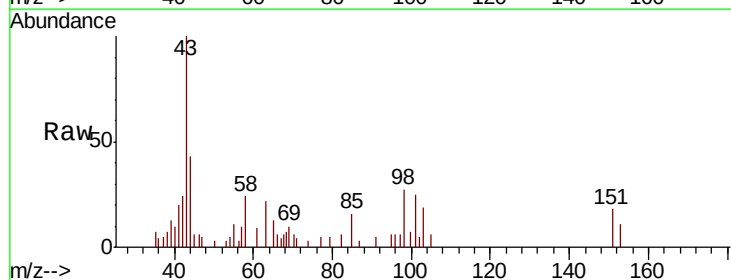
Instrument :
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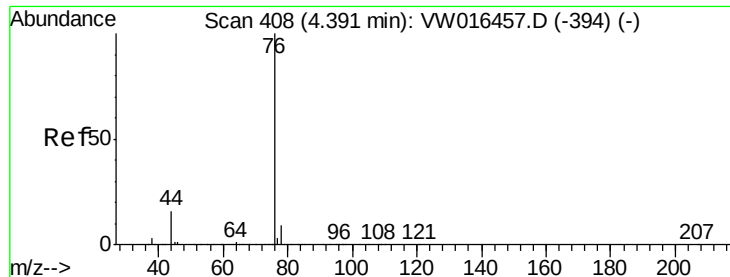
Tot Ion: 96 Resp: 8606
 Ion Ratio Lower Upper
 96 100
 61 292.2 116.5 216.3#
 63 1403.0 81.1 150.5#



#13
 Acetone
 Concen: 2.544 ug/L
 RT: 4.12 min Scan# 364
 Delta R.T. -0.02 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Tgt Ion: 43 Resp: 4533
 Ion Ratio Lower Upper
 43 100
 58 18.6 0.0 63.0





#14

Carbon disulfide

Concen: 0.651 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

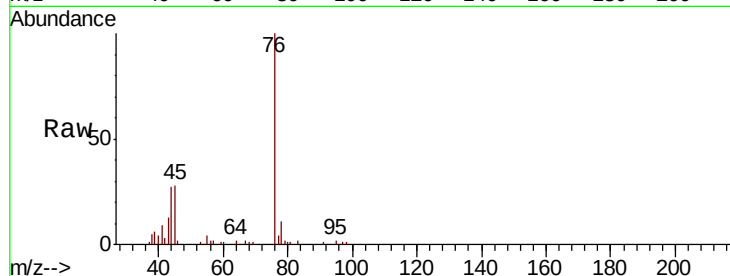
MDL06

Tot Ion: 76 Resp: 17965

Ion Ratio Lower Upper

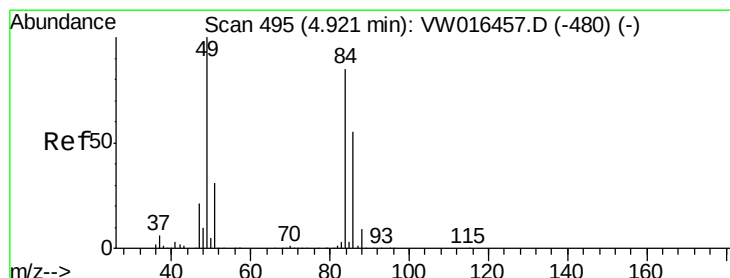
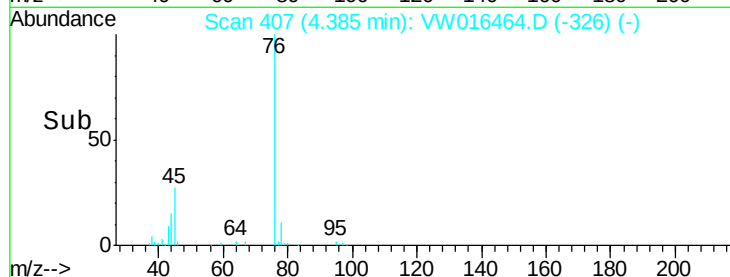
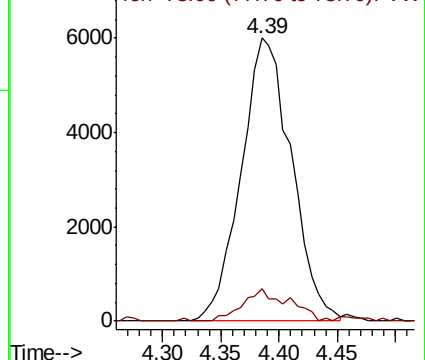
76 100

78 11.4 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: 1.867 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

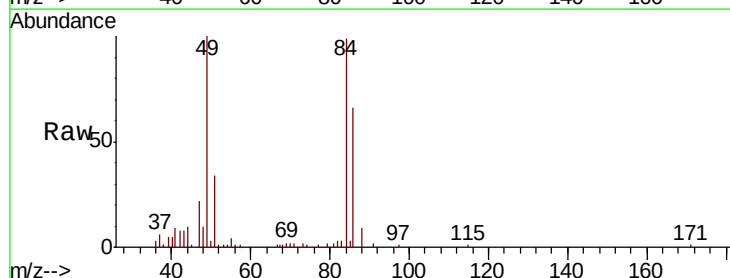
Tgt Ion: 84 Resp: 21341

Ion Ratio Lower Upper

84 100

49 101.0 86.7 160.9

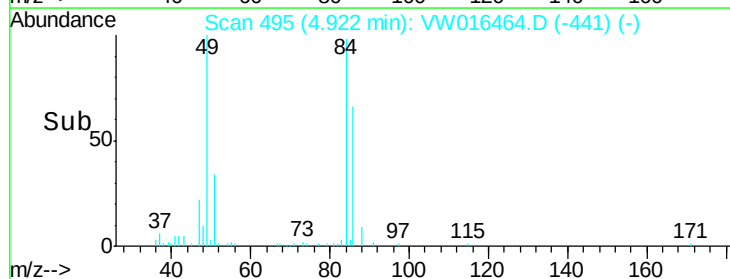
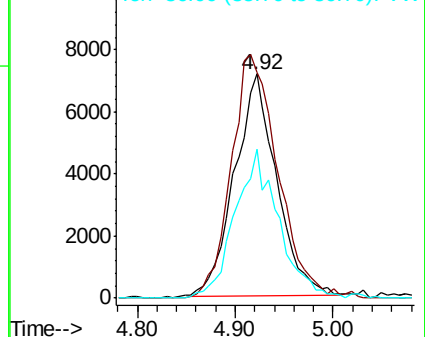
86 66.1 44.9 83.5

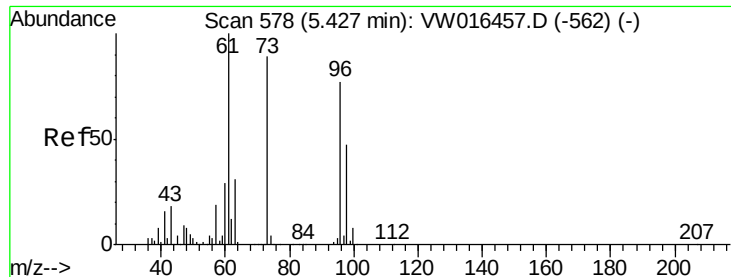


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

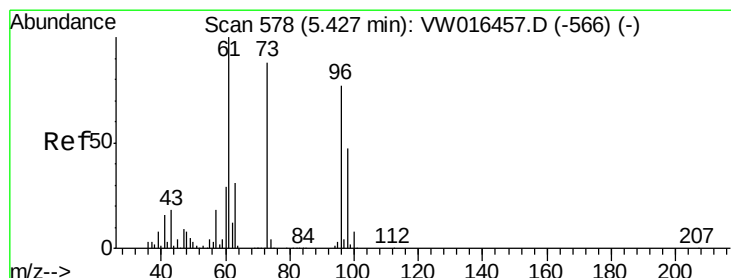
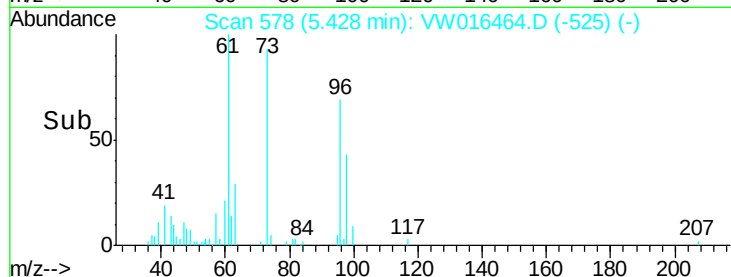
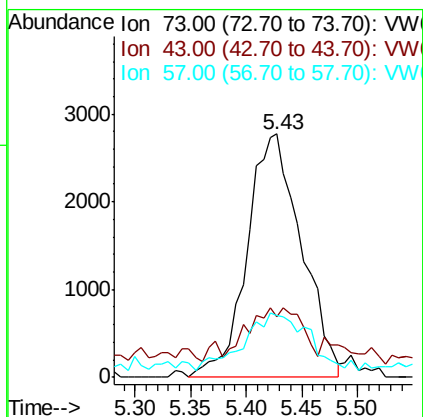
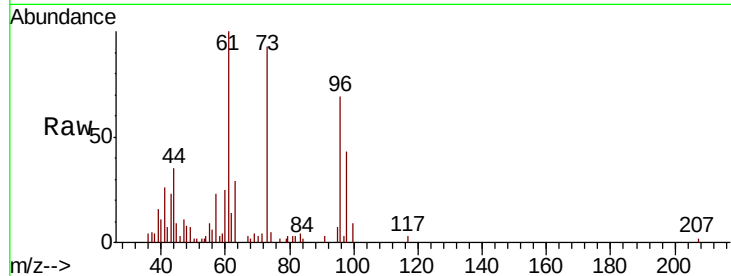




#17
Methvl tert-butyl Ether
Concen: 0.697 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

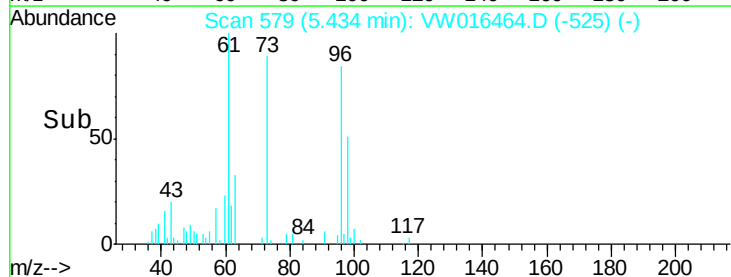
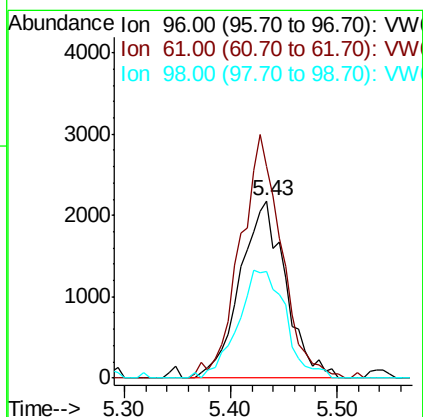
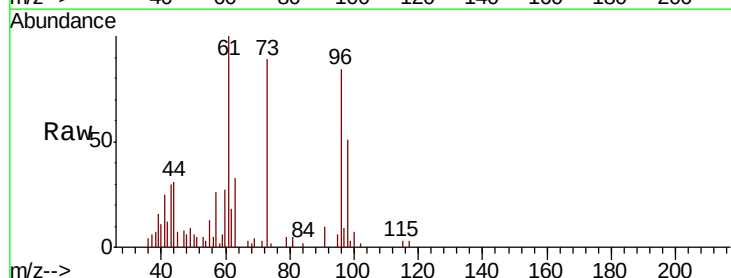
Instrument :
MSVOA_W
ClientSampled :
MDL06

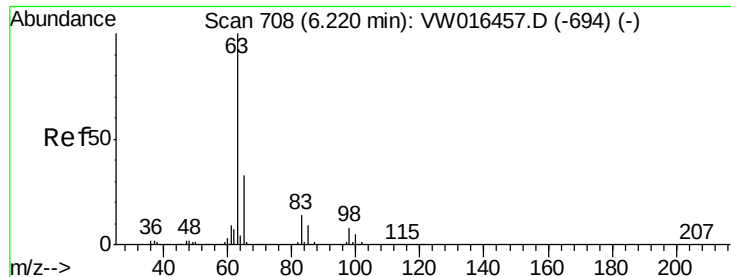
Tot Ion: 73 Resp: 9440
Ion Ratio Lower Upper
73 100
43 11.1 17.9 26.9#
57 3.1 17.4 26.0#



#18
trans-1,2-Dichloroethene
Concen: 0.681 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Tgt Ion: 96 Resp: 6526
Ion Ratio Lower Upper
96 100
61 119.3 96.4 179.0
98 60.4 45.1 83.7





#19

1,1-Dichloroethane

Concen: 0.592 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

MDL06

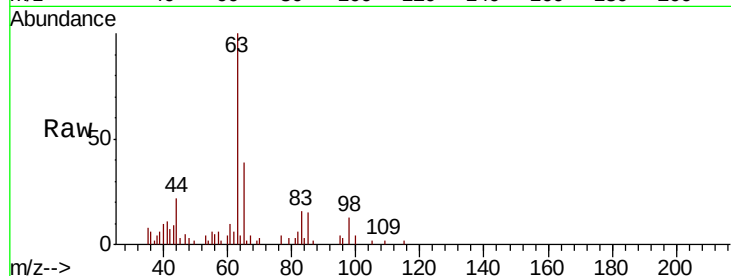
Tot Ion: 63 Resp: 9659

Ion Ratio Lower Upper

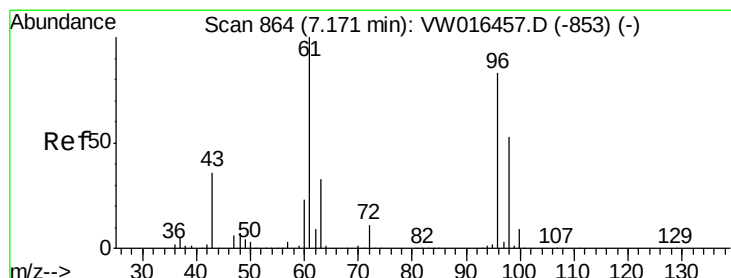
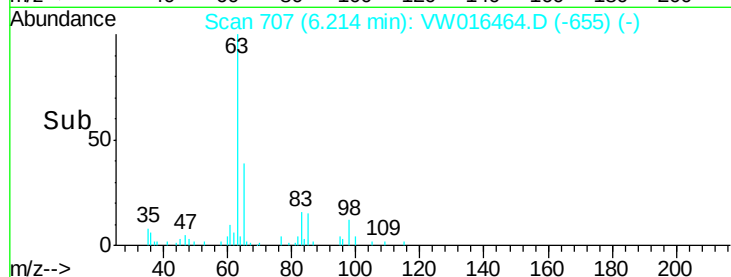
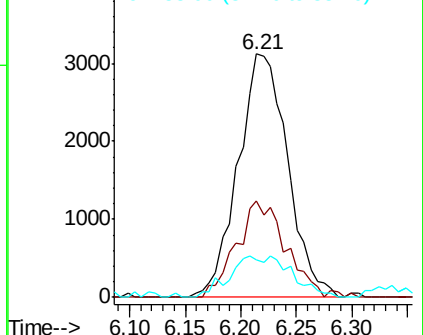
63 100

65 39.5 23.3 43.3

83 15.6 10.3 19.1



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



#22

cis-1,2-Dichloroethene

Concen: 0.660 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

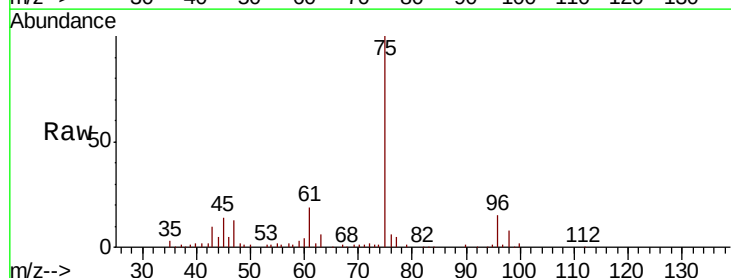
Tgt Ion: 96 Resp: 6598

Ion Ratio Lower Upper

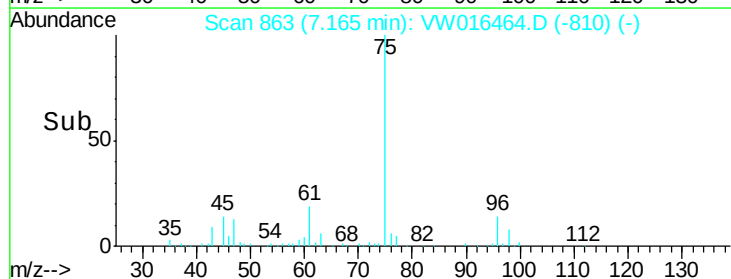
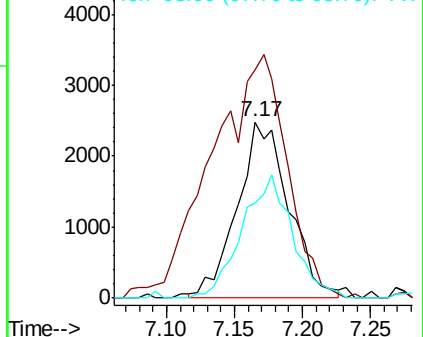
96 100

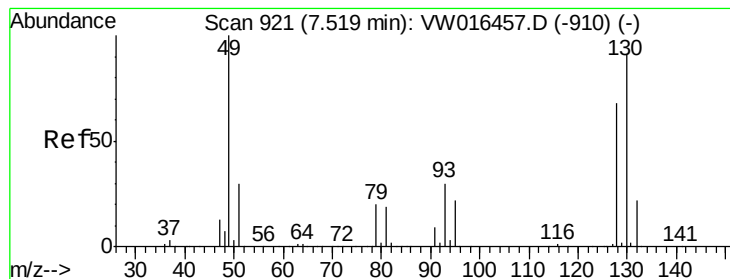
61 129.3 86.1 159.9

98 53.9 44.1 81.9



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





#23

Bromochloromethane

Concen: 0.709 ug/L

RT: 7.52 min Scan# 922

Delta R.T. 0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

MDL06

Tot Ion:128 Resp: 3284

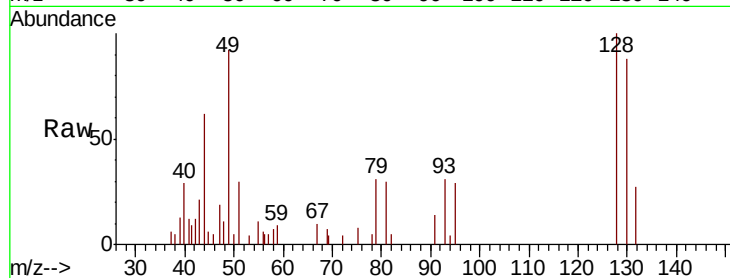
Ion Ratio Lower Upper

128 100

49 92.2 111.6 207.4#

130 87.9 90.9 168.7#

51 30.0 38.5 57.7#



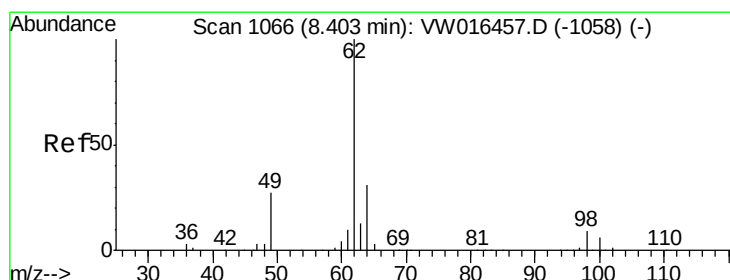
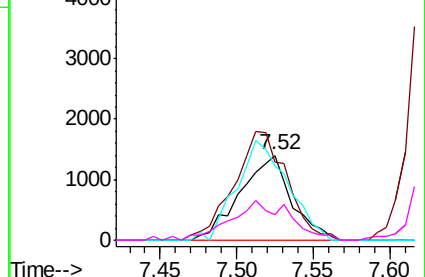
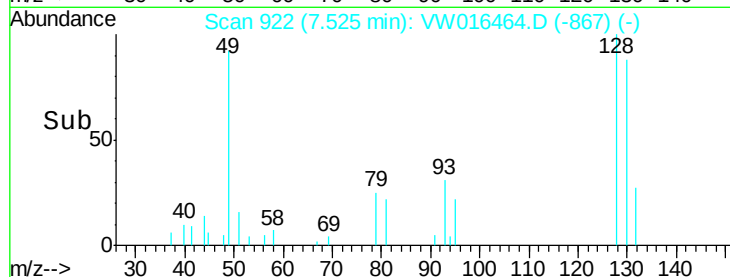
Abundance Ion 128.00 (127.70 to 128.70): V

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

Time-->



#27

1,2-Dichloroethane

Concen: 0.667 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016464.D

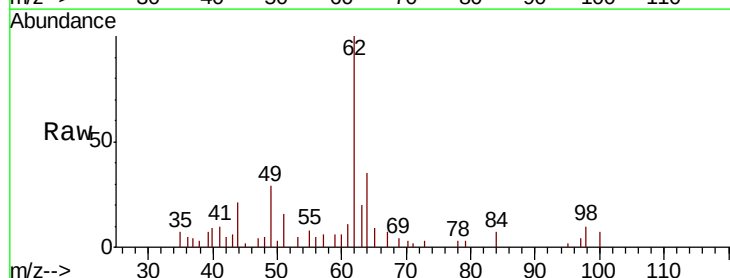
Acq: 04 Sep 2020 15:12

Tgt Ion: 62 Resp: 7505

Ion Ratio Lower Upper

62 100

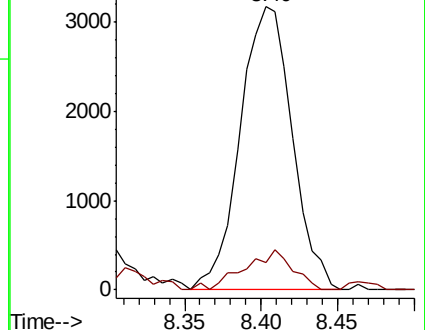
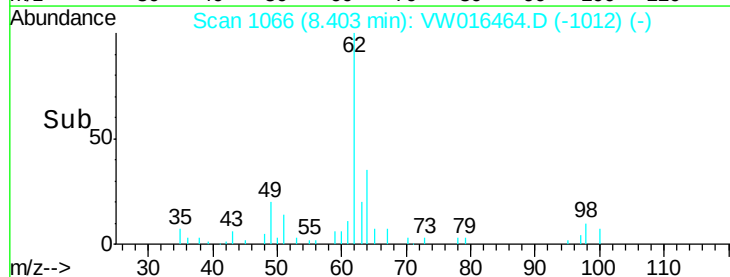
98 9.6 7.3 10.9

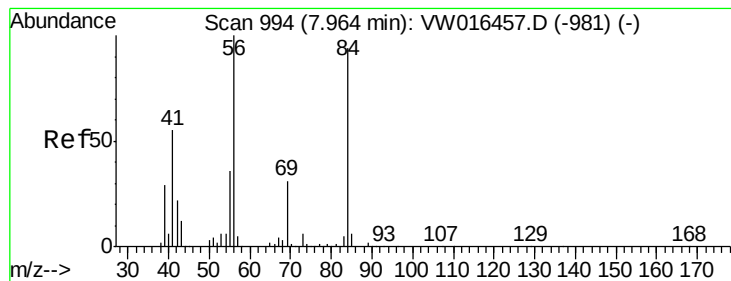


Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

Time-->





#30

Cyclohexane

Concen: 0.619 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

MDL06

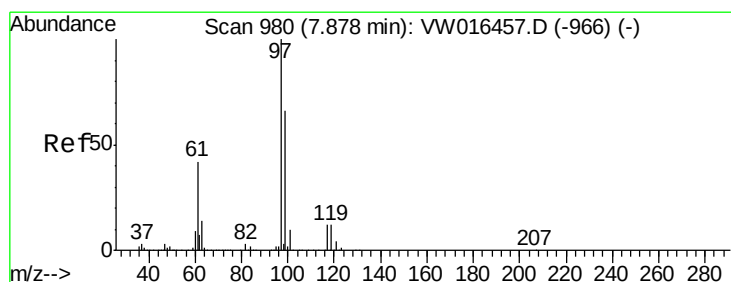
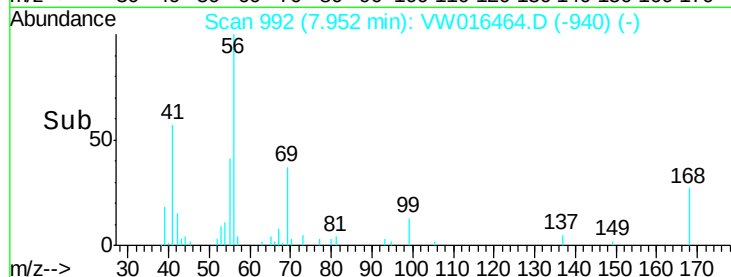
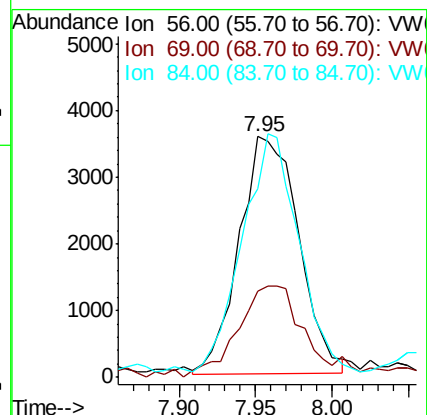
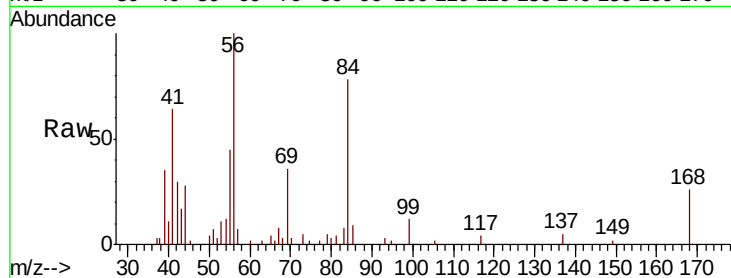
Tot Ion: 56 Resp: 9650

Ion Ratio Lower Upper

56 100

69 40.8 25.3 37.9#

84 94.5 71.6 107.4



#31

1,1,1-Trichloroethane

Concen: 0.682 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

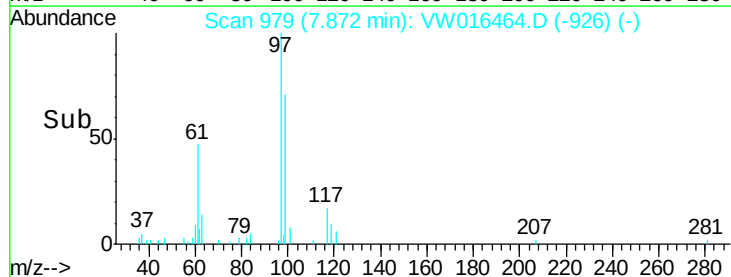
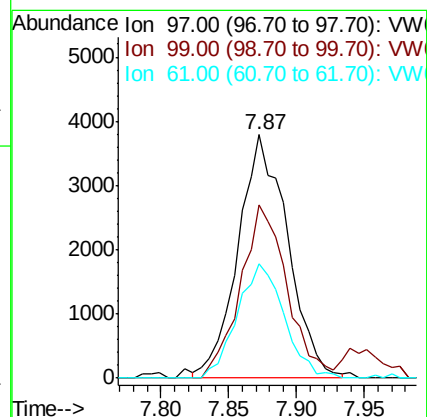
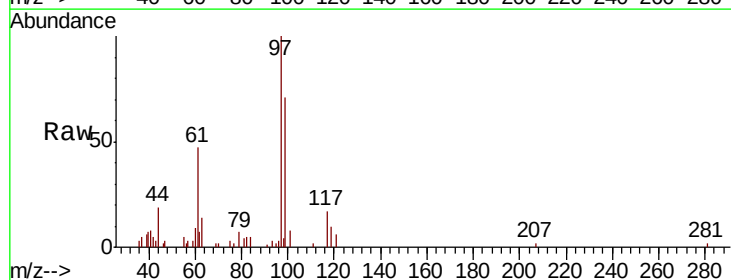
Tgt Ion: 97 Resp: 9642

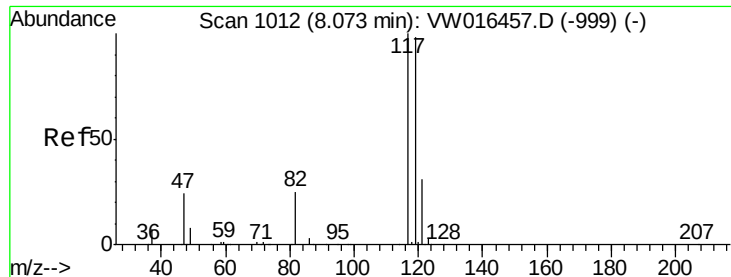
Ion Ratio Lower Upper

97 100

99 67.0 52.2 78.2

61 43.9 36.3 54.5





#32

Carbon tetrachloride

Concen: 0.682 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

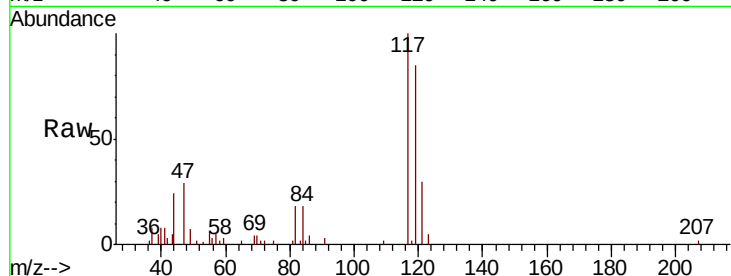
MDL06

Tot Ion:117 Resp: 9228

Ion Ratio Lower Upper

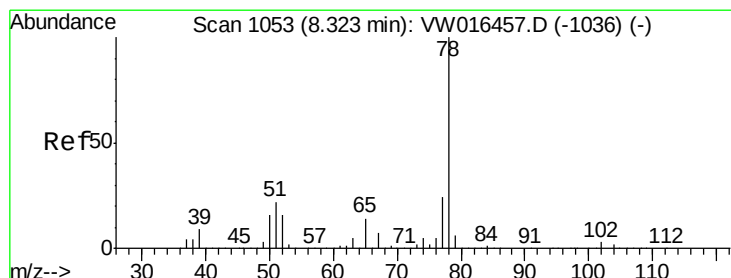
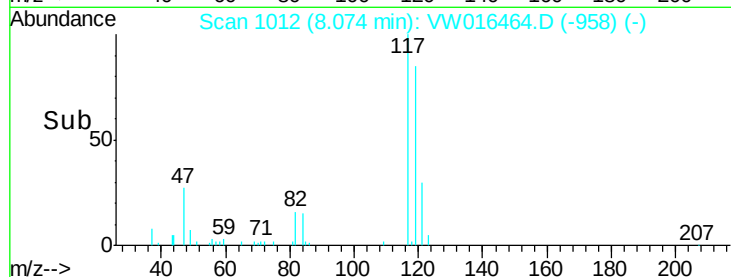
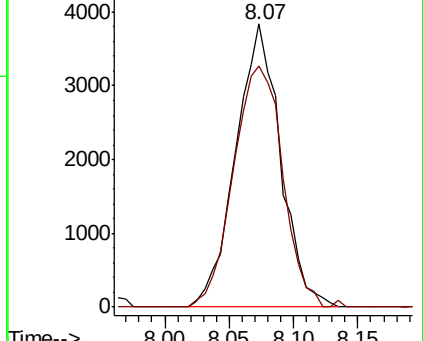
117 100

119 93.9 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: 0.668 ug/L

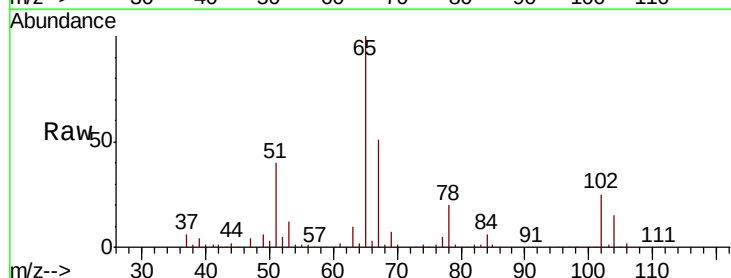
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

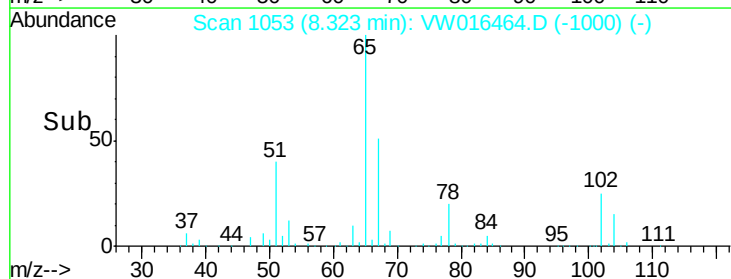
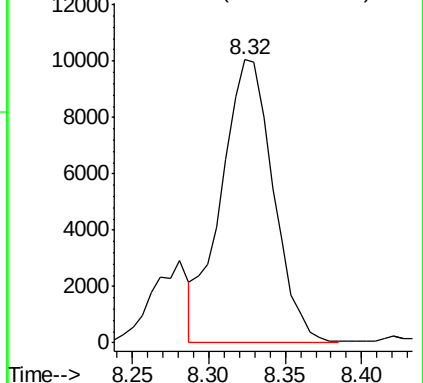
Lab File: VW016464.D

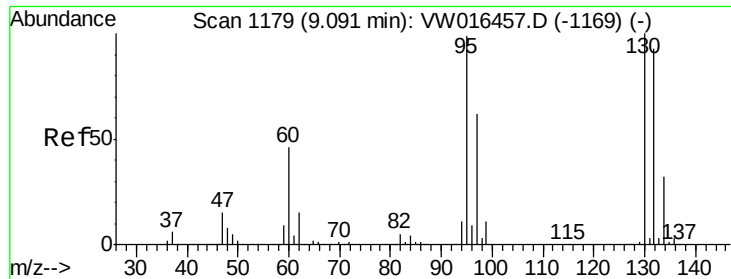
Acq: 04 Sep 2020 15:12

Tgt Ion: 78 Resp: 23842



Abundance Ion 78.00 (77.70 to 78.70): VW

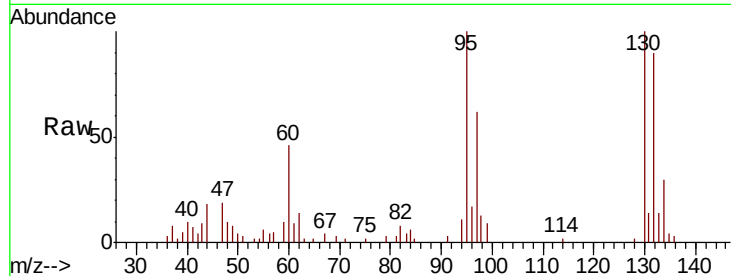




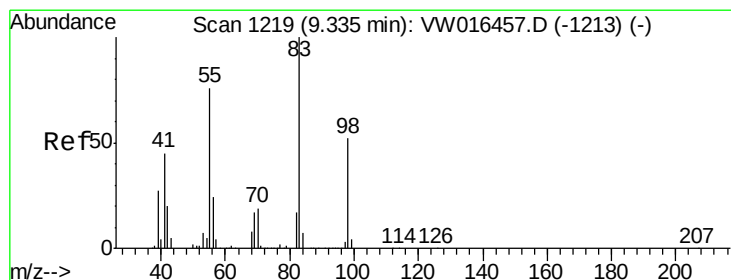
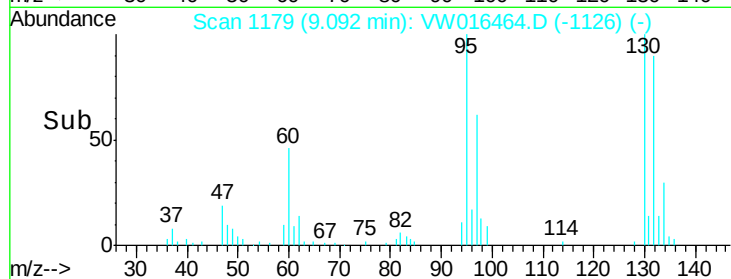
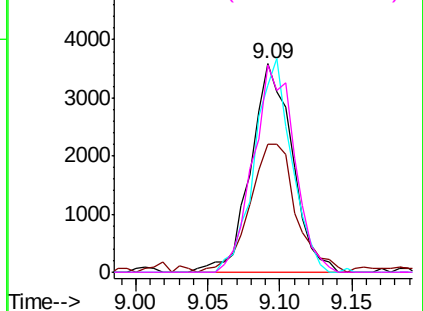
#35
 Trichloroethene
 Concen: 0.723 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Instrument :
 MSVOA_W
 ClientSampled :
 MDL06

Tot Ion:	95	Resp:	7154
Ion	Ratio	Lower	Upper
95	100		
97	68.5	44.9	83.5
132	91.6	69.2	128.4
130	98.4	72.0	133.6

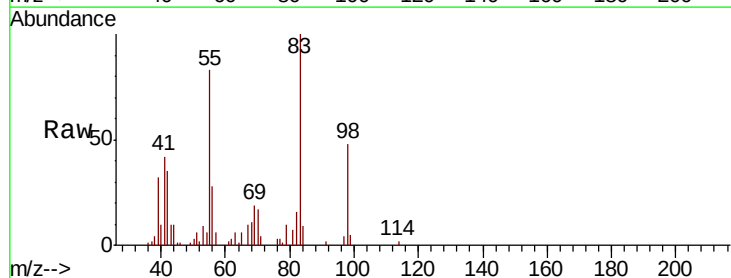


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

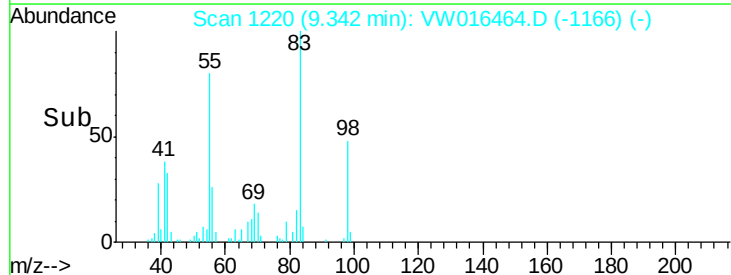
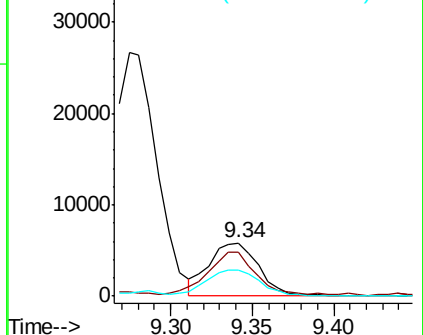


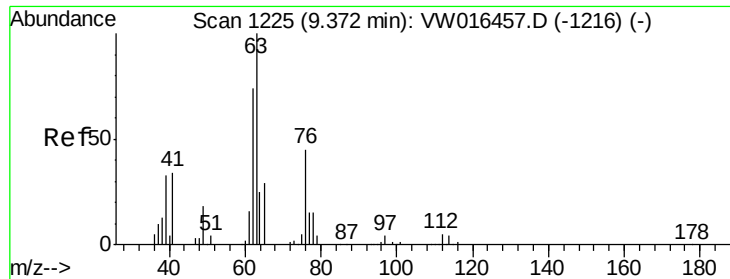
#36
 Methylcyclohexane
 Concen: 0.720 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Tgt Ion:	83	Resp:	12469
Ion	Ratio	Lower	Upper
83	100		
55	75.3	60.9	91.3
98	52.4	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

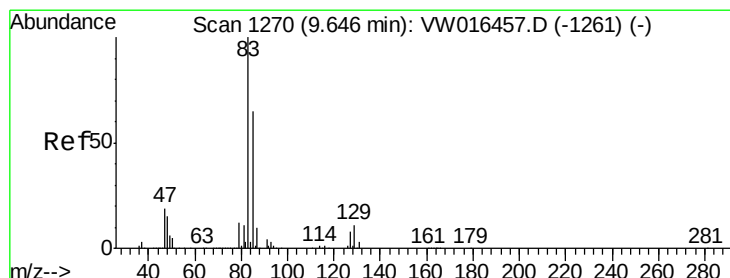
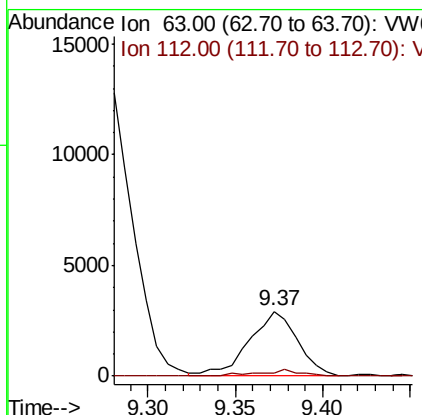
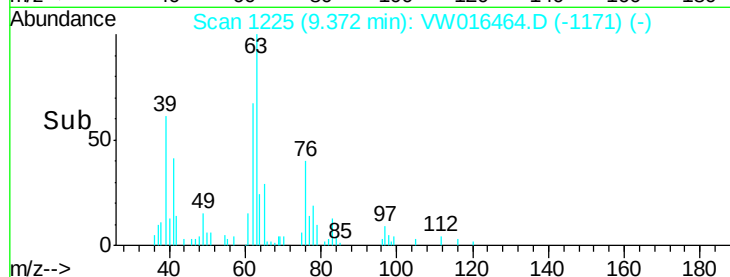
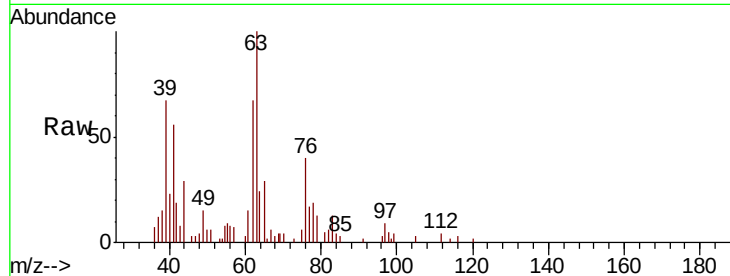




#40
 1,2-Dichloropropane
 Concen: 0.638 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

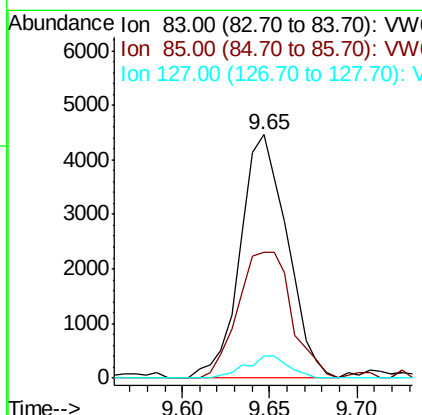
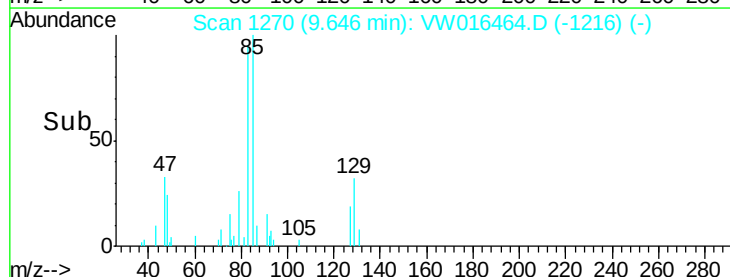
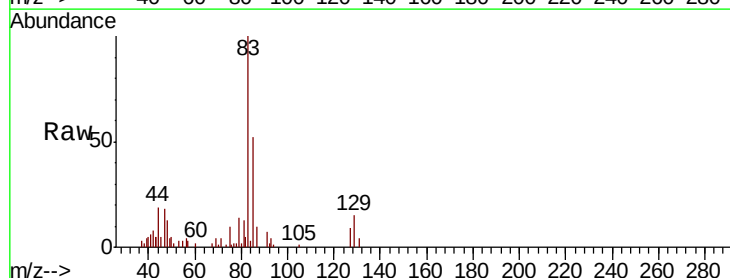
Instrument :
 MSVOA_W
 ClientSampled :
 MDL06

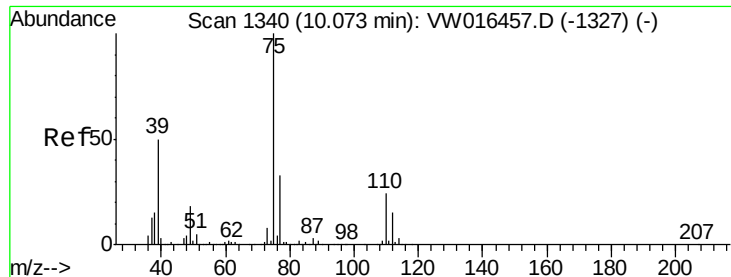
Tot Ion: 63 Resp: 5633
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#41
 Bromodichloromethane
 Concen: 0.677 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Tgt Ion: 83 Resp: 8353
 Ion Ratio Lower Upper
 83 100
 85 51.8 43.5 80.7
 127 9.0 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 0.599 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

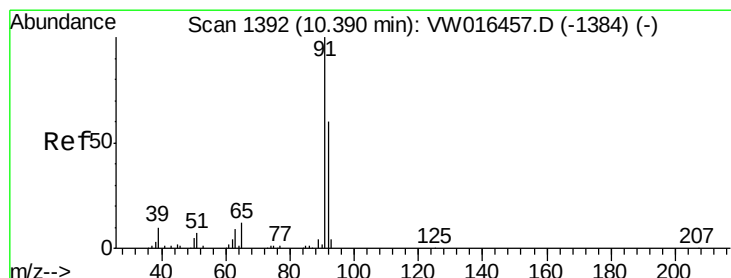
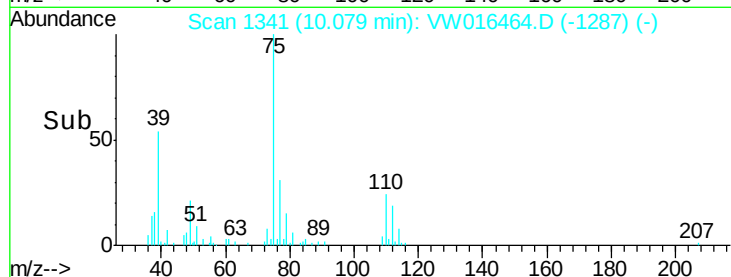
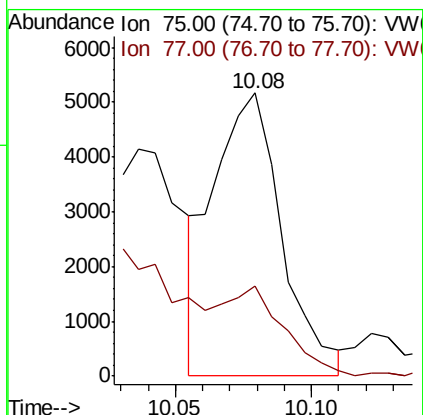
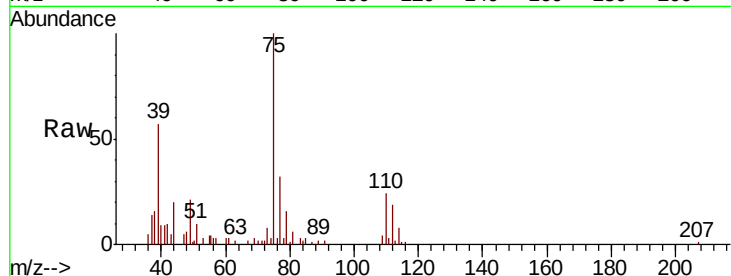
MDL06

Tot Ion: 75 Resp: 8973

Ion Ratio Lower Upper

75 100

77 31.9 20.9 38.7



#44

Toluene

Concen: 0.677 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016464.D

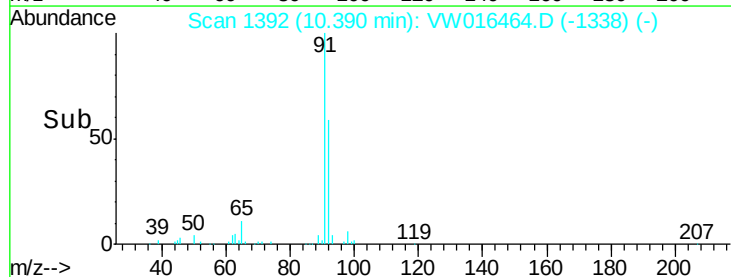
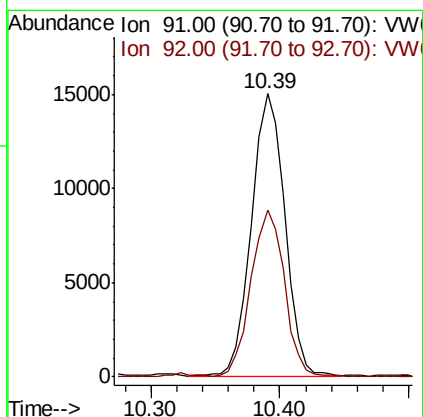
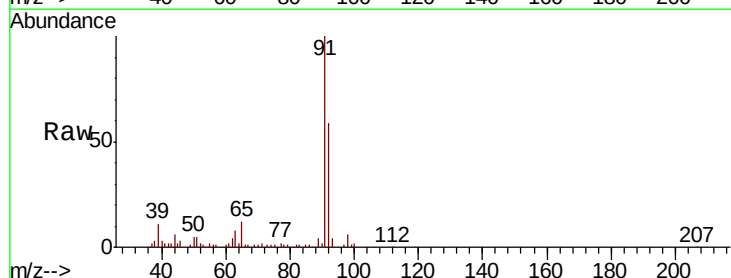
Acq: 04 Sep 2020 15:12

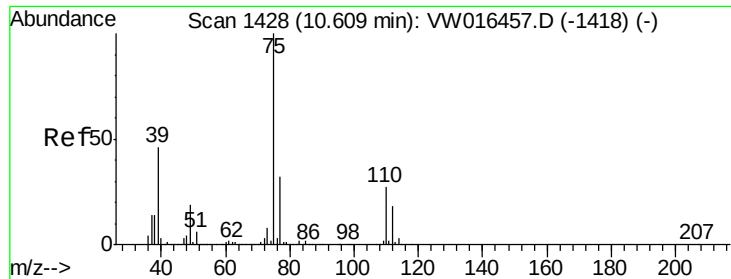
Tgt Ion: 91 Resp: 27068

Ion Ratio Lower Upper

91 100

92 58.9 39.5 73.4





#45

trans-1,3-Dichloropropene

Concen: 0.598 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

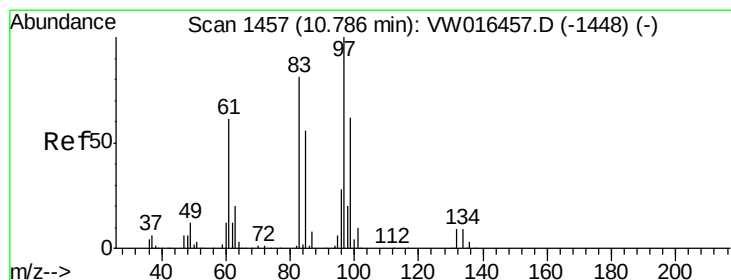
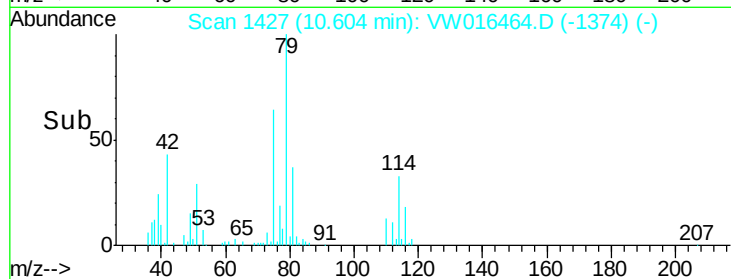
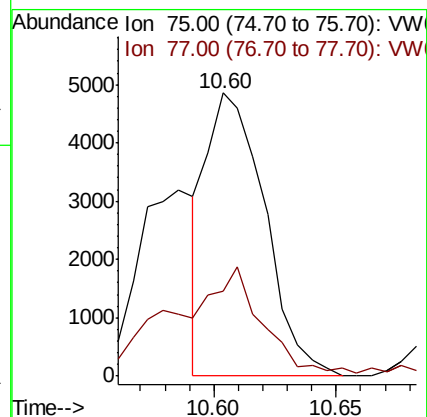
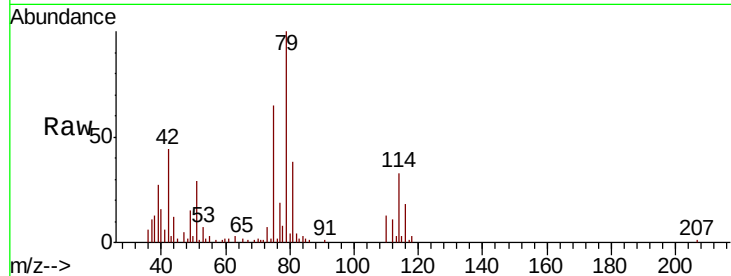
MDL06

Tot Ion: 75 Resp: 8002

Ion Ratio Lower Upper

75 100

77 29.9 21.9 40.7



#46

1,1,2-Trichloroethane

Concen: 0.683 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Tgt Ion: 97 Resp: 4781

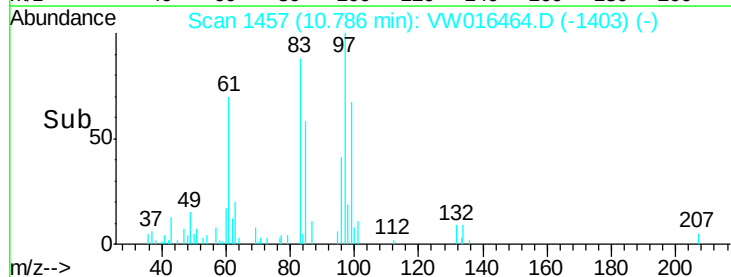
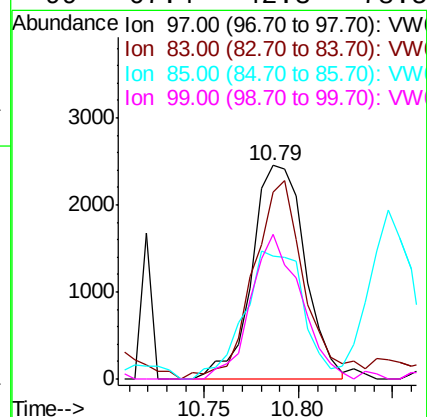
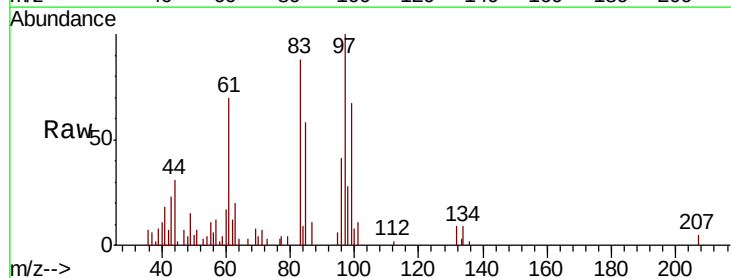
Ion Ratio Lower Upper

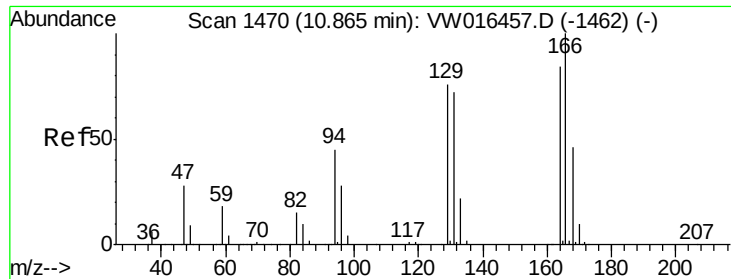
97 100

83 87.8 59.7 110.9

85 57.7 37.6 69.8

99 67.4 42.3 78.5





#47

Tetrachloroethene

Concen: 0.692 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

MDL06

Tot Ion:164 Resp: 5487

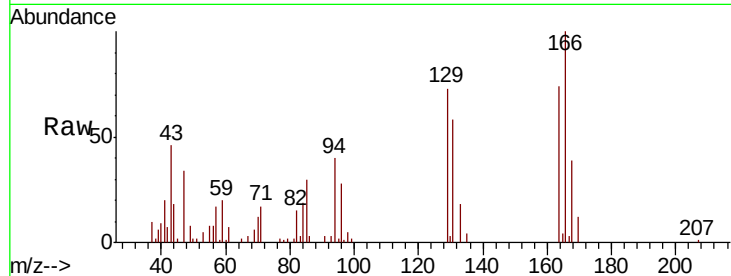
Ion Ratio Lower Upper

164 100

129 98.8 65.7 121.9

131 78.2 61.1 113.5

166 135.9 85.0 157.8

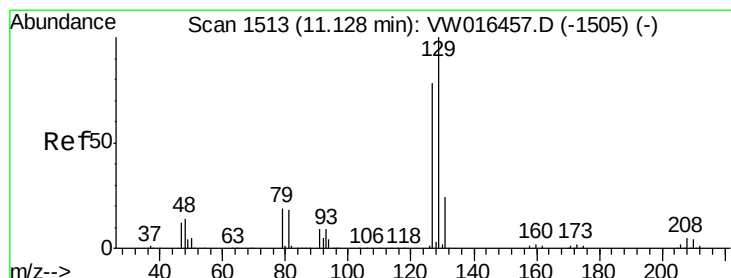
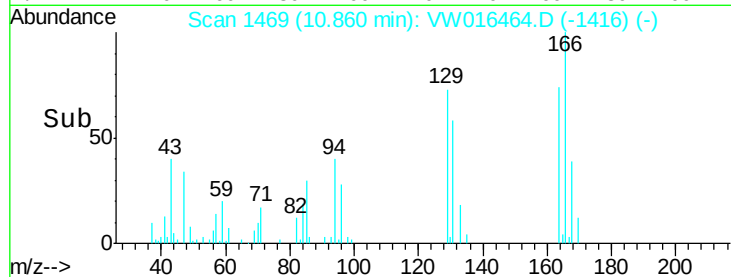
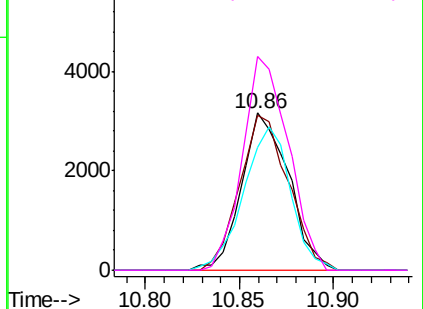


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#50

Dibromochloromethane

Concen: 0.633 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016464.D

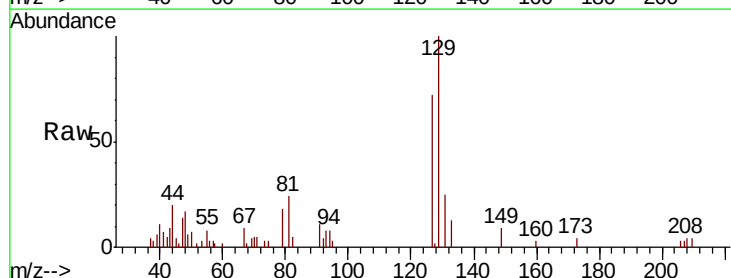
Acq: 04 Sep 2020 15:12

Tgt Ion:129 Resp: 5599

Ion Ratio Lower Upper

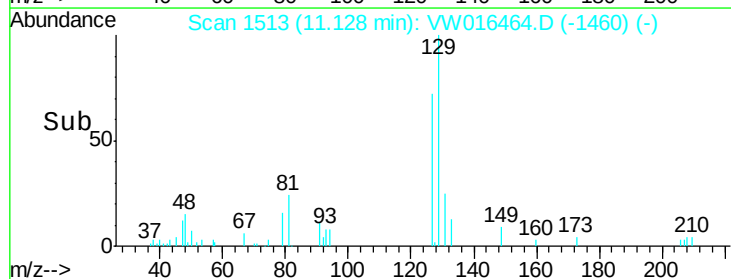
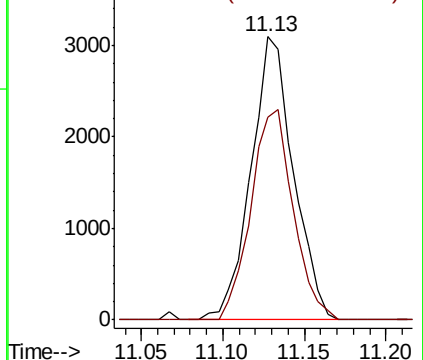
129 100

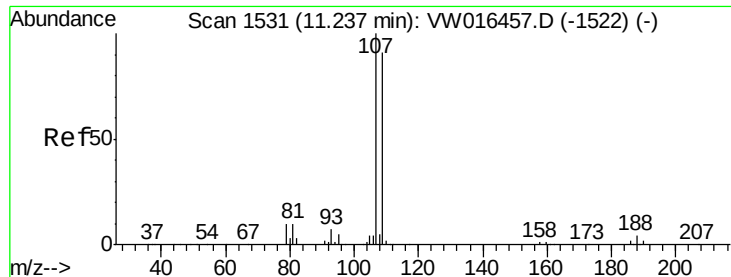
127 73.6 55.4 103.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 0.644 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

MDL06

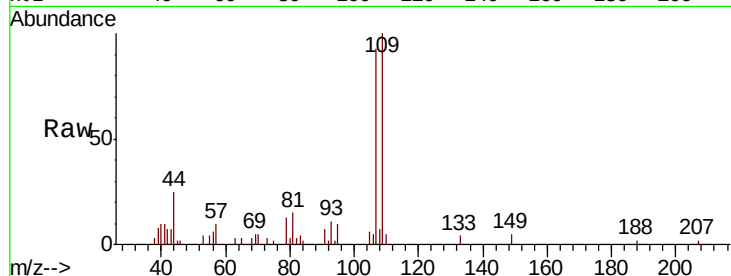
Tot Ion:107 Resp: 4500

Ion Ratio Lower Upper

107 100

109 108.1 64.8 120.4

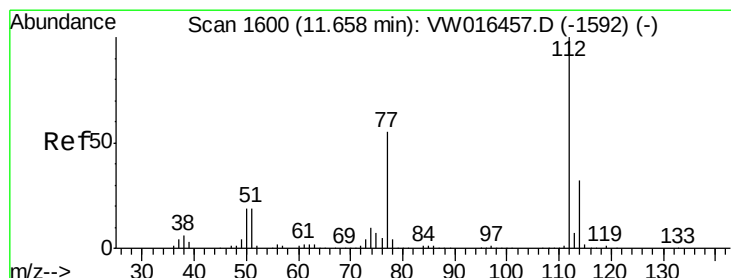
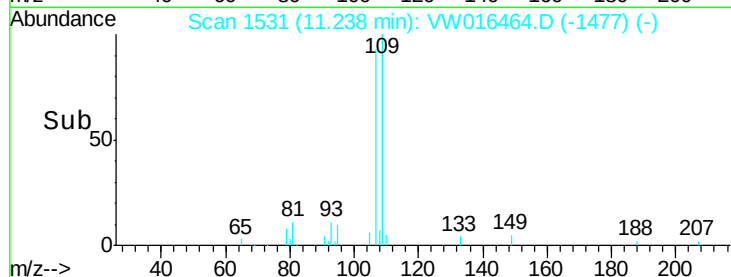
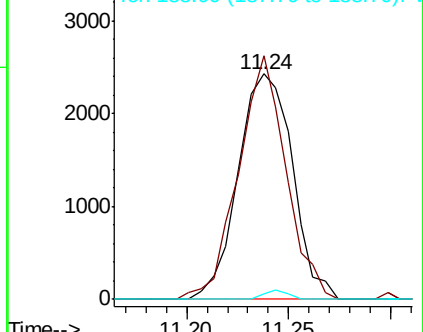
188 2.7 3.4 5.0#



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: 0.651 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

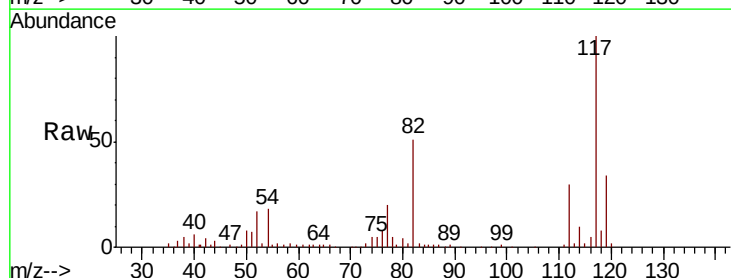
Tgt Ion:112 Resp: 16513

Ion Ratio Lower Upper

112 100

77 65.8 46.2 69.2

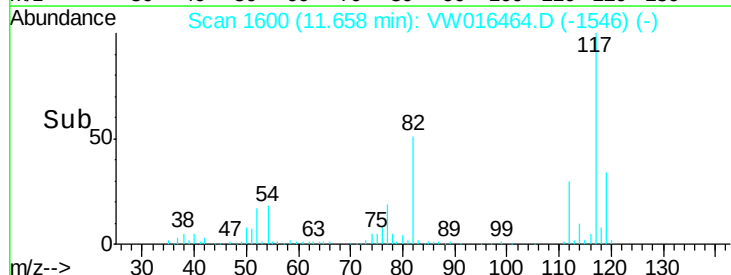
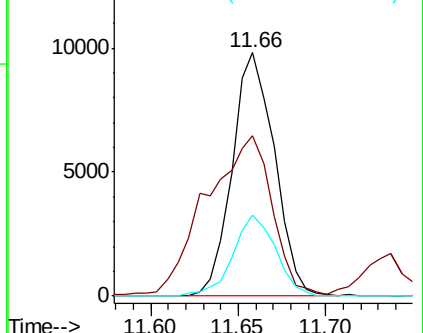
114 33.3 21.1 39.3

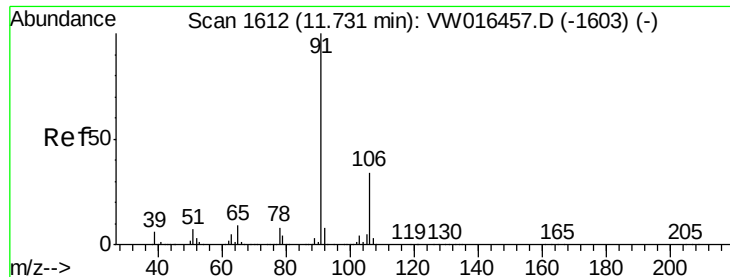


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 0.652 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

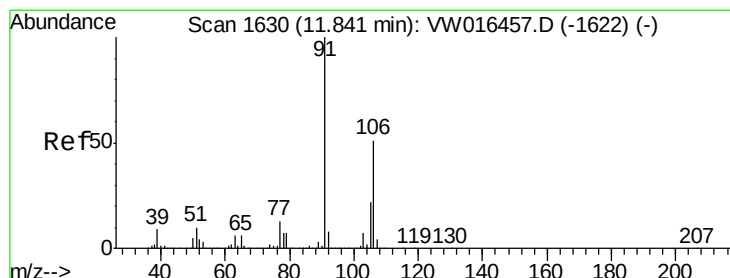
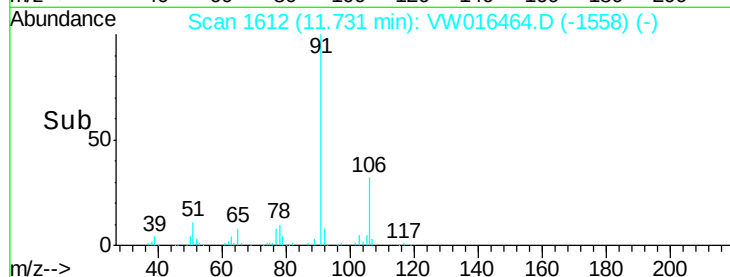
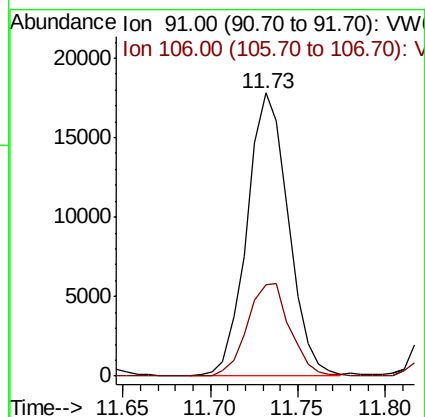
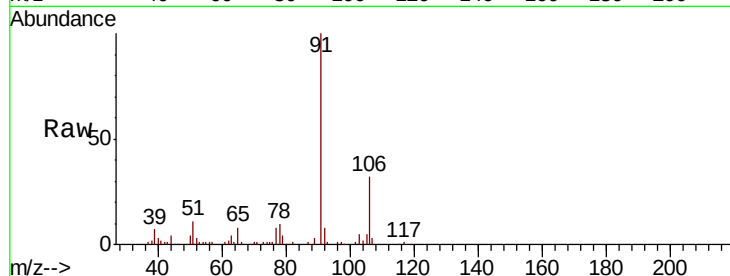
MDL06

Tot Ion: 91 Resp: 29350

Ion Ratio Lower Upper

91 100

106 32.3 21.6 40.2



#54

m,p-Xylene

Concen: 0.698 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016464.D

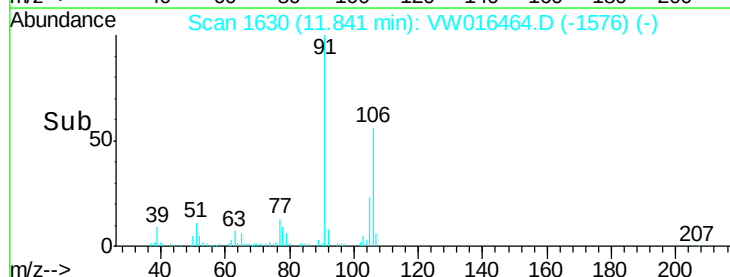
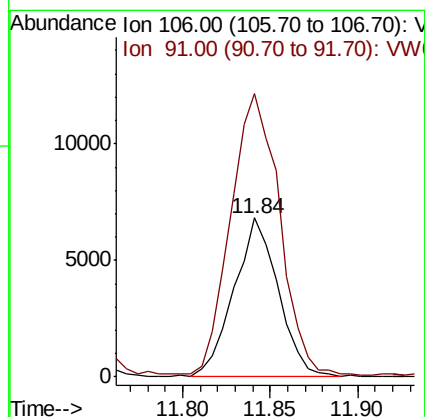
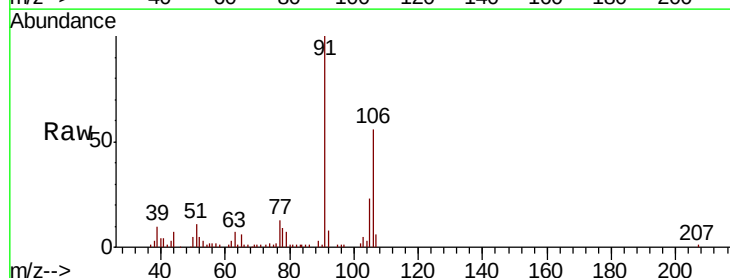
Acq: 04 Sep 2020 15:12

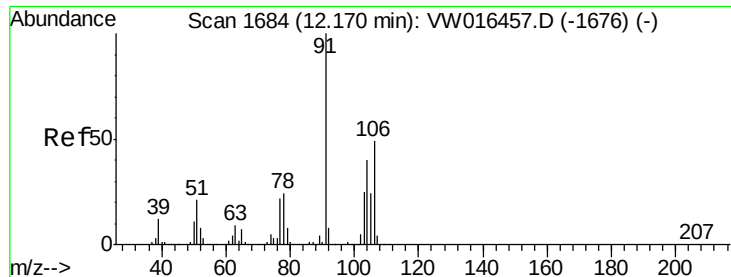
Tgt Ion:106 Resp: 12008

Ion Ratio Lower Upper

106 100

91 178.2 142.3 264.3





#55

o-xylene

Concen: 0.651 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

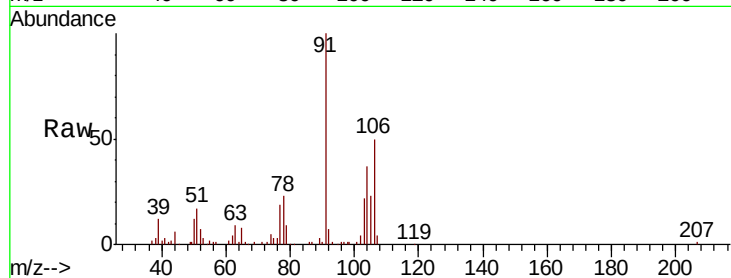
MDL06

Tot Ion:106 Resp: 10666

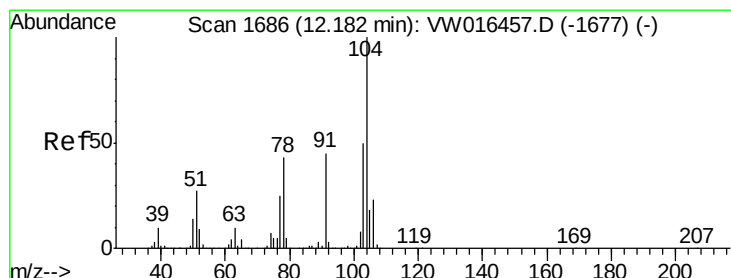
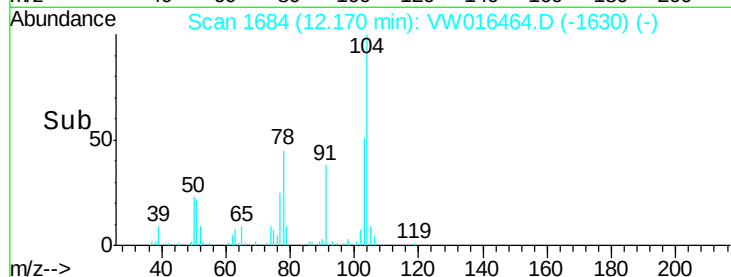
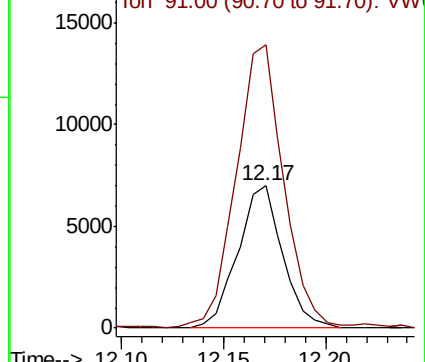
Ion Ratio Lower Upper

106 100

91 199.0 144.3 267.9



Abundance Ion 106.00 (105.70 to 106.70): V



#56

Styrene

Concen: 0.632 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016464.D

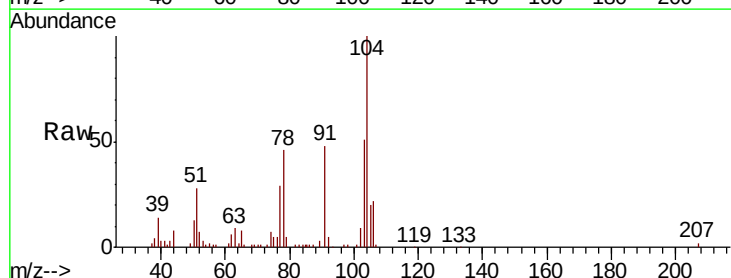
Acq: 04 Sep 2020 15:12

Tgt Ion:104 Resp: 17799

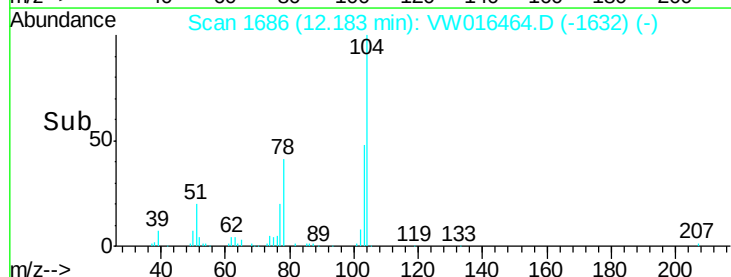
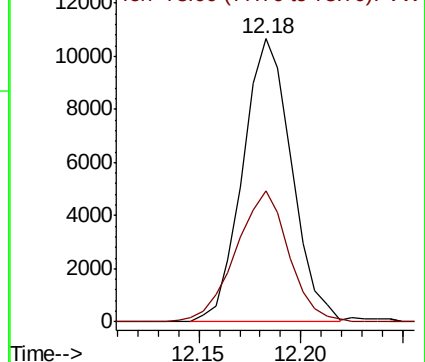
Ion Ratio Lower Upper

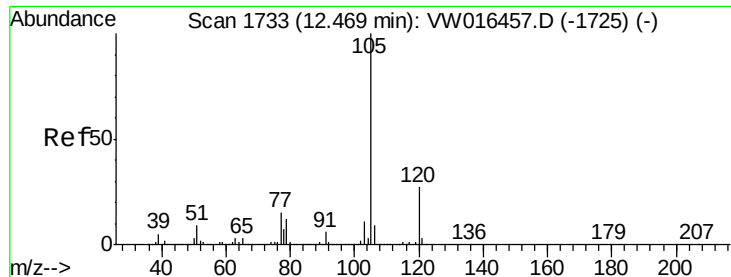
104 100

78 46.1 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V





#57

Isopropylbenzene

Concen: 0.715 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

MDL06

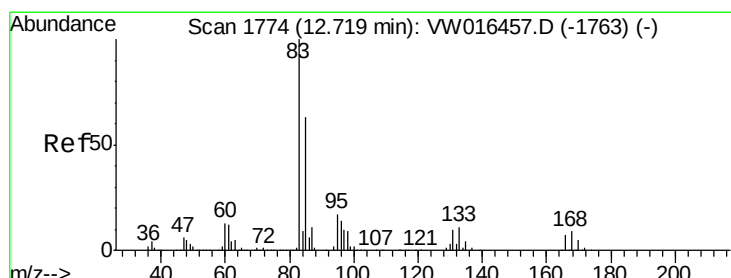
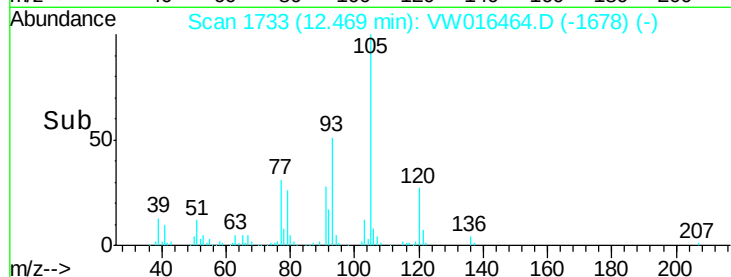
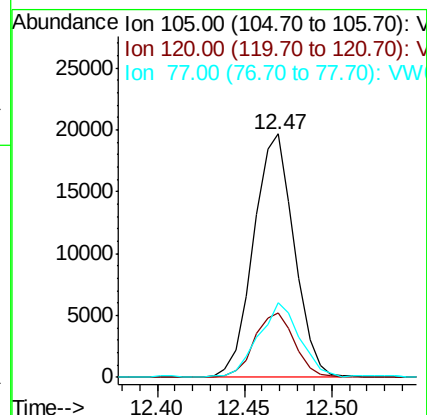
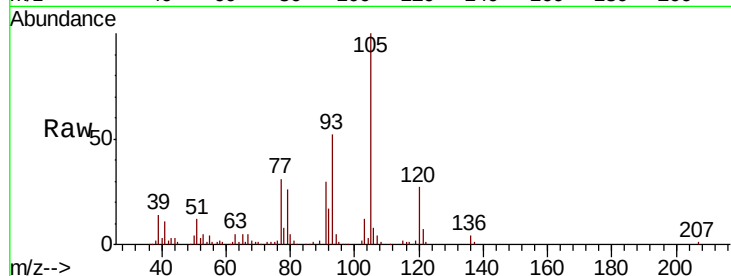
Tot Ion:105 Resp: 32070

Ion Ratio Lower Upper

105 100

120 26.3 21.9 32.9

77 31.4 13.0 19.6#



#58

1,1,2,2-Tetrachloroethane

Concen: 0.827 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

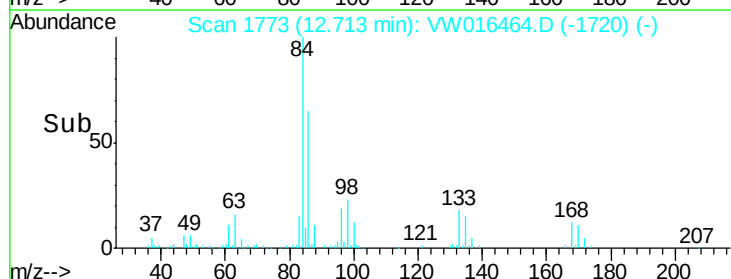
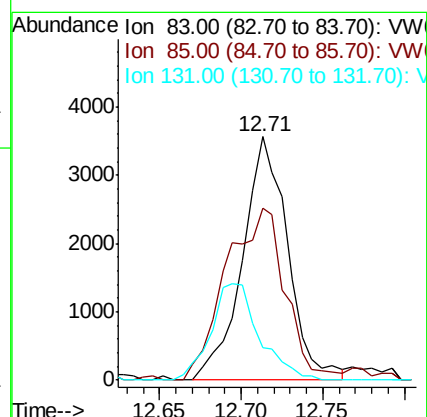
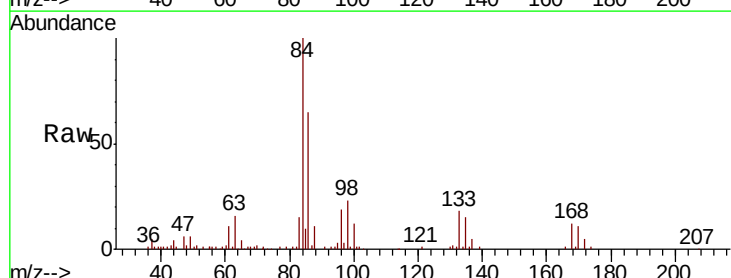
Tgt Ion: 83 Resp: 6896

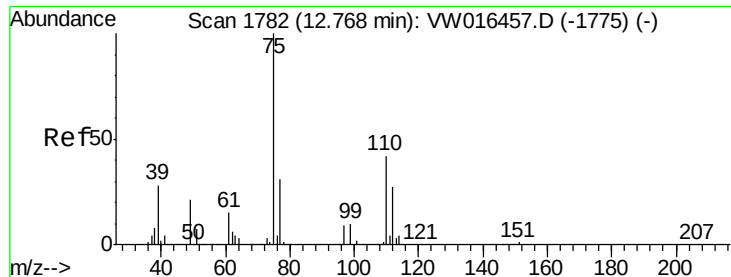
Ion Ratio Lower Upper

83 100

85 70.8 45.3 84.1

131 13.2 8.7 13.1#

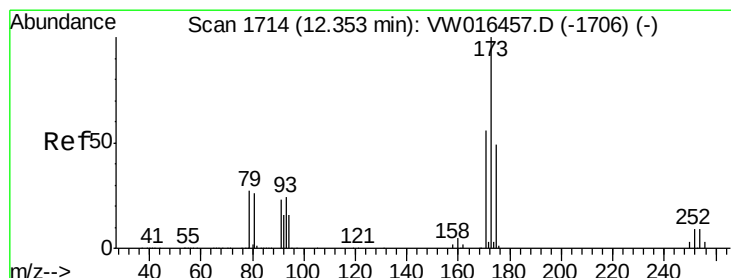
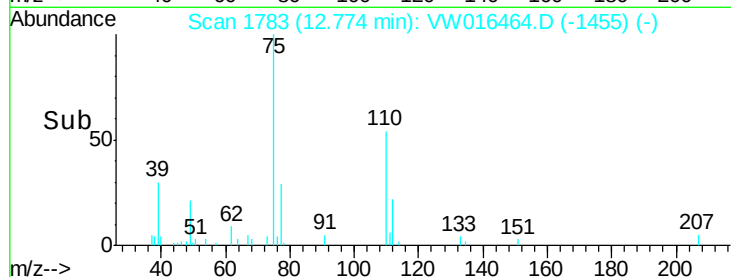
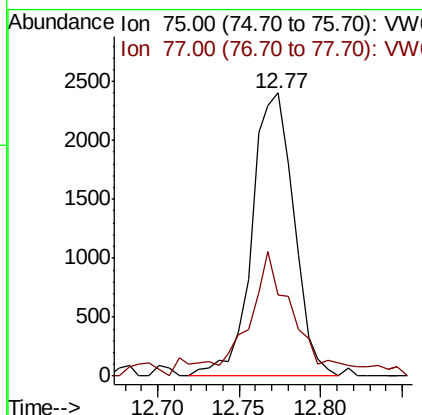
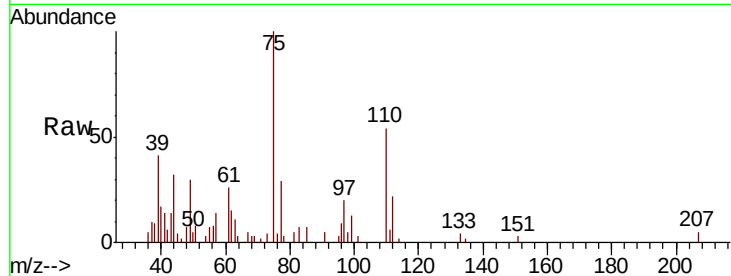




#59
 1,2,3-Trichloropropane
 Concen: 0.687 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

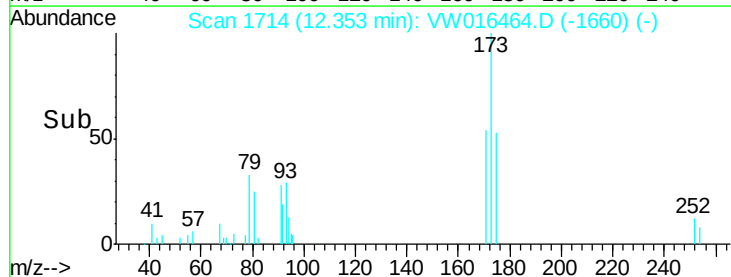
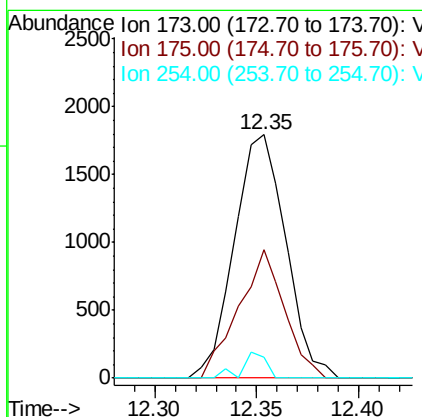
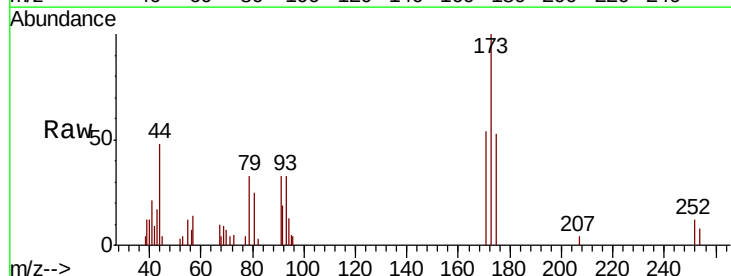
Instrument :
 MSVOA_W
 ClientSampled :
 MDL06

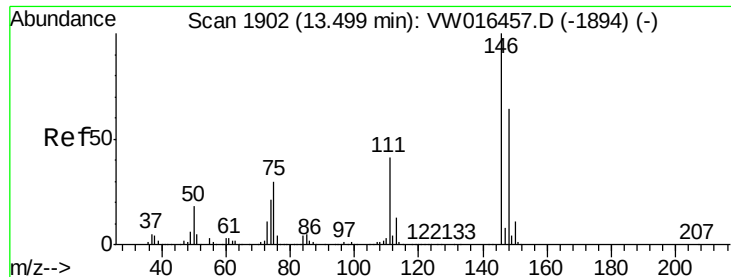
Tot Ion: 75 Resp: 4282
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.0 39.0



#62
 Bromoform
 Concen: 0.621 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Tgt Ion: 173 Resp: 3141
 Ion Ratio Lower Upper
 173 100
 175 47.4 39.2 58.8
 254 4.0 5.8 8.6#

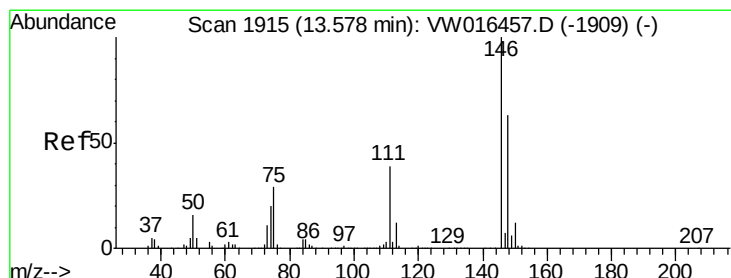
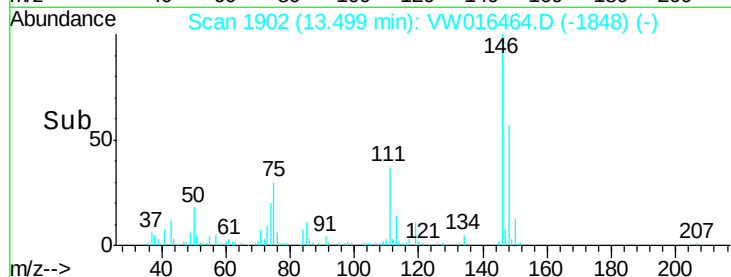
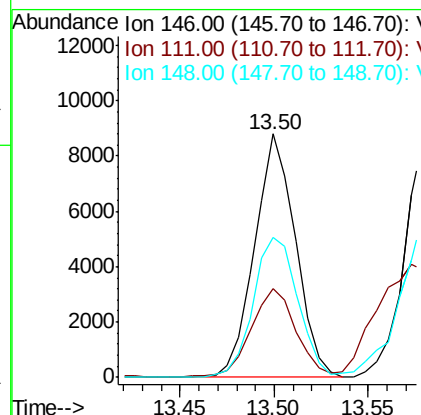
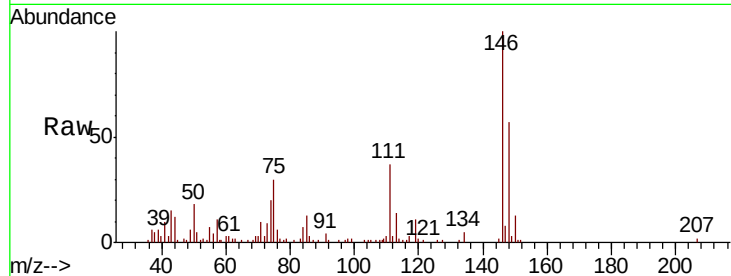




#63
 1,3-Dichlorobenzene
 Concen: 0.699 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

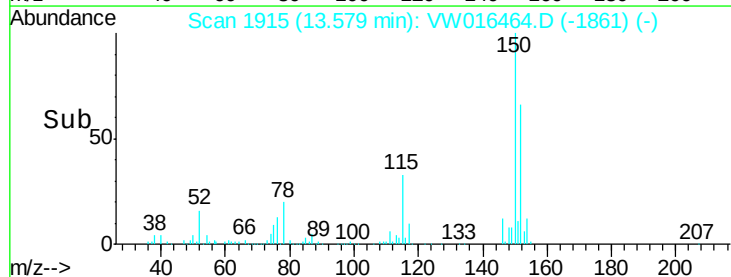
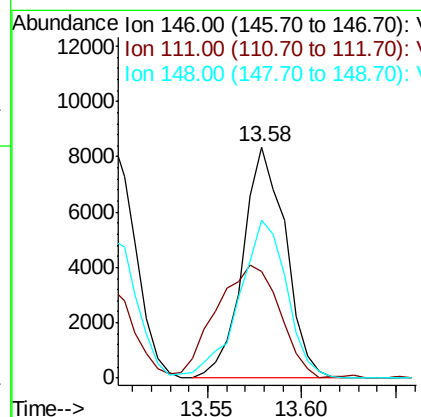
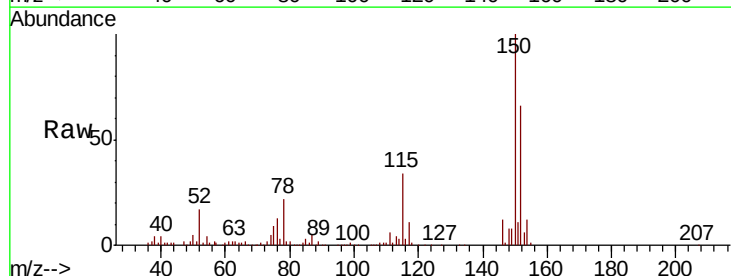
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

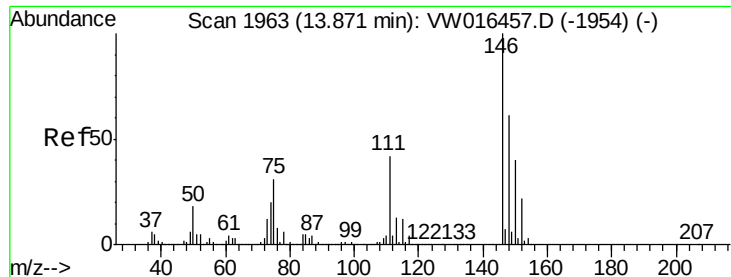
Tot Ion:146 Resp: 13263
 Ion Ratio Lower Upper
 146 100
 111 36.6 26.5 49.3
 148 57.4 41.3 76.7



#64
 1,4-Dichlorobenzene
 Concen: 0.700 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Tgt Ion:146 Resp: 13169
 Ion Ratio Lower Upper
 146 100
 111 46.0 26.4 49.0
 148 68.3 45.1 83.9

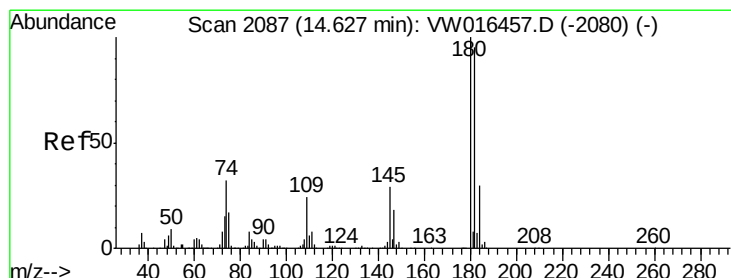
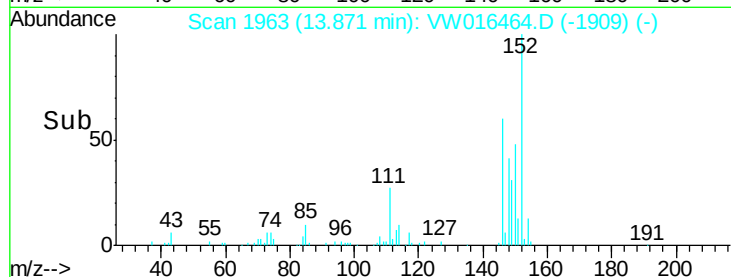
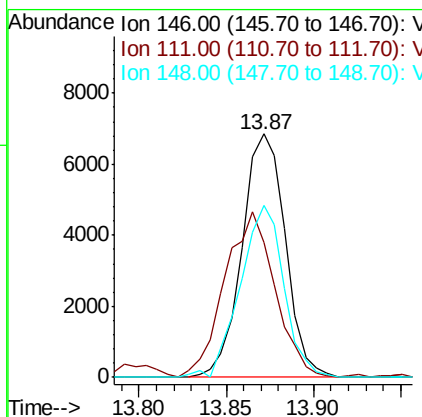
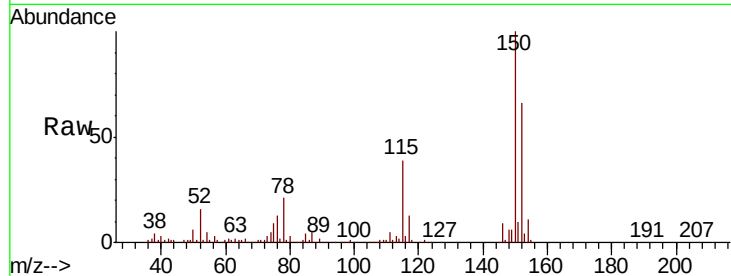




#65
 1,2-Dichlorobenzene
 Concen: 0.704 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

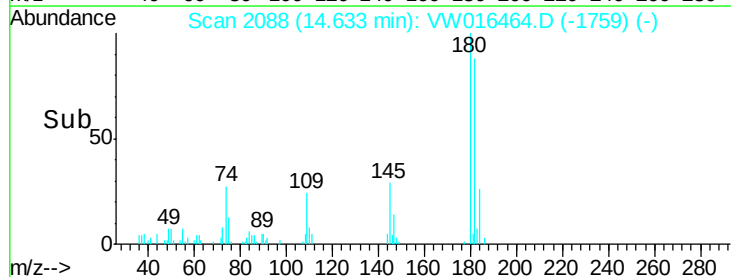
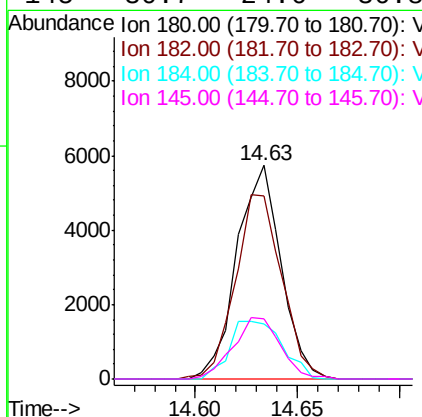
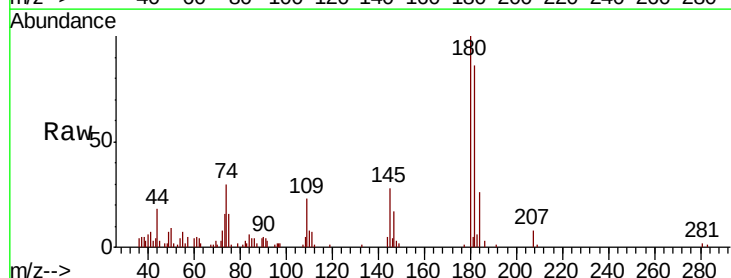
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

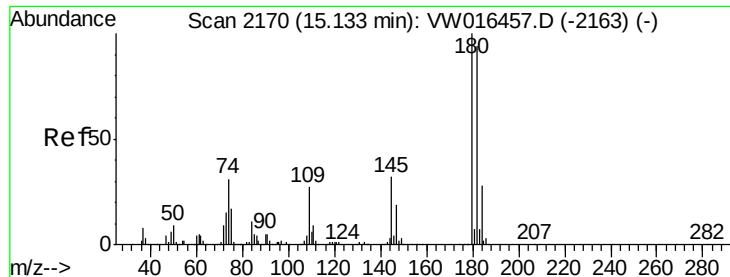
Tot Ion:146 Resp: 11863
 Ion Ratio Lower Upper
 146 100
 111 55.3 35.3 52.9#
 148 70.8 49.8 74.8



#67
 1,3,5-Trichlorobenzene
 Concen: 0.661 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Tgt Ion:180 Resp: 8646
 Ion Ratio Lower Upper
 180 100
 182 91.1 75.8 113.8
 184 32.8 24.2 36.2
 145 30.7 24.6 36.8





#68

1,2,4-trichlorobenzene

Concen: 0.622 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

MDL06

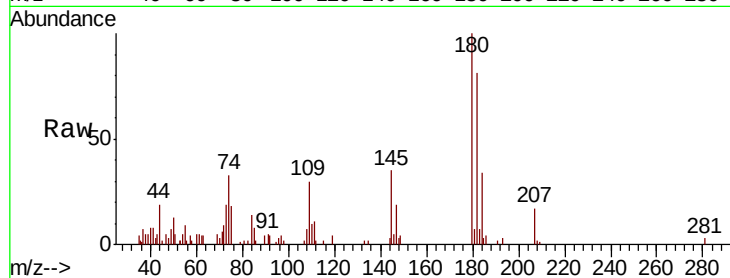
Tot Ion:180 Resp: 7036

Ion Ratio Lower Upper

180 100

182 88.7 78.5 117.7

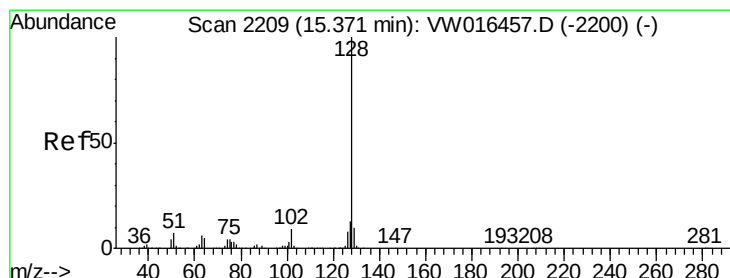
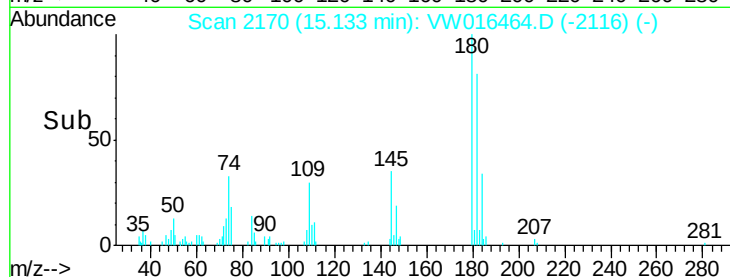
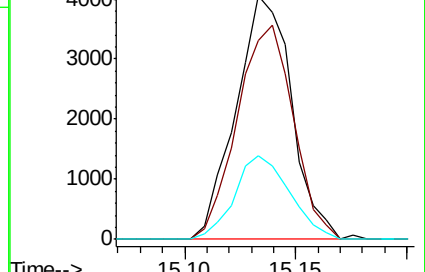
145 34.2 25.6 38.4



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: 0.532 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

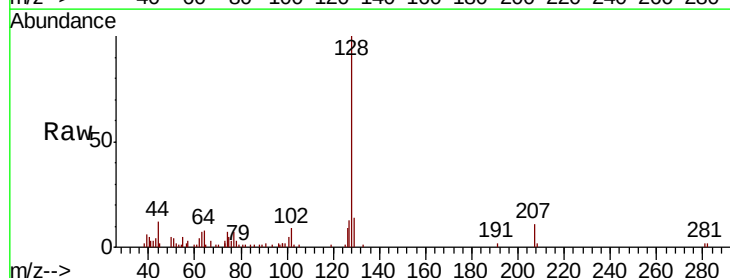
Tgt Ion:128 Resp: 12695

Ion Ratio Lower Upper

128 100

129 13.8 8.7 13.1#

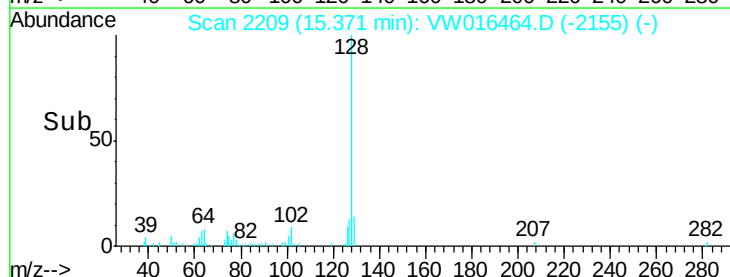
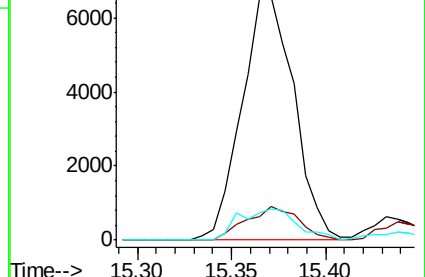
127 9.9 10.5 15.7#

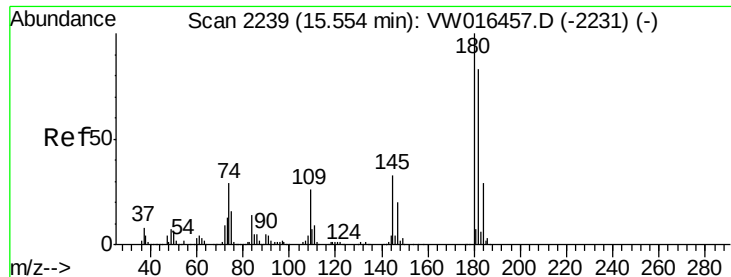


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

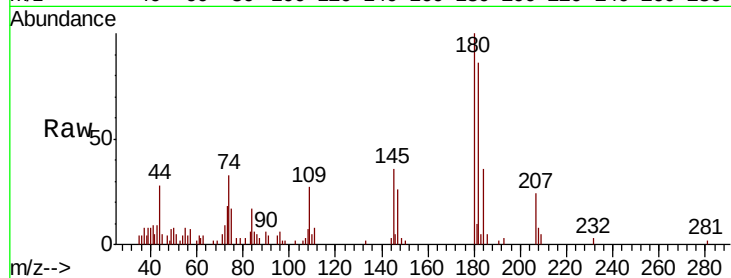




#70
 1,2,3-Trichlorobenzene
 Concen: 0.588 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.3	76.1	114.1
145	35.6	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

