

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081319\
 Data File : VN057253.D
 Acq On : 13 Aug 2019 18:11
 Operator : JC/SP
 Sample : K4262-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R 080819

Quant Time: Aug 14 06:31:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 06:25:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1511011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2086908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1722850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	417447	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	693653	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	
35) Dibromofluoromethane	7.58	113	630578	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	10.09	98	2398761	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.40	95	625567	37.53	ug/l	0.00
Spiked Amount			Recovery	=	75.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	2455	0.248	ug/l	84
11) Tert butyl alcohol	4.74	59	1806	0.880	ug/l	98
13) Acrolein	3.63	56	783	0.533	ug/l #	53
16) Acetone	3.81	43	17275	3.306	ug/l	91
17) Carbon Disulfide	4.05	76	8587	0.239	ug/l #	93
31) Cyclohexane	7.66	56	21288	0.986	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	89299	4.894	ug/l #	47
38) Carbon Tetrachloride	7.66	117	129699	6.692	ug/l #	16
49) 1,4-Dioxane	9.19	88	132	0.524	ug/l #	27
51) 4-Methyl-2-Pentanone	9.99	43	2957	0.209	ug/l #	34
60) Dibromochloromethane	10.63	129	3917	0.260	ug/l #	11
64) Tetrachloroethene	10.63	164	4336	0.285	ug/l	89
71) Bromoform	12.40	173	3679	0.353	ug/l #	1
73) Isopropylbenzene	12.25	105	3771	Below Cal		96
74) N-amyl acetate	12.08	43	2441	Below Cal	#	71
75) 1,1,2,2-Tetrachloroethane	12.51	83	575	Below Cal	#	76
76) 1,2,3-Trichloropropane	12.40	75	285335	38.218	ug/l #	100
77) Bromobenzene	12.53	156	2175	Below Cal		76
78) n-propylbenzene	12.59	91	6040	Below Cal		100
79) 2-Chlorotoluene	12.68	91	4498	Below Cal		87
80) 1,3,5-Trimethylbenzene	12.73	105	4929	Below Cal		97
81) trans-1,4-Dichloro-2-buten	12.40	75	285335	91.810	ug/l #	16
82) 4-Chlorotoluene	12.78	91	5112	0.225	ug/l	100
83) tert-Butylbenzene	13.00	119	3475	Below Cal		96
85) sec-Butylbenzene	13.17	105	6473	Below Cal		78
86) p-Isopropyltoluene	13.29	119	6934	0.226	ug/l	94
87) 1,3-Dichlorobenzene	13.29	146	4458	0.308	ug/l	97
88) 1,4-Dichlorobenzene	13.29	146	4458	0.317	ug/l	96
89) n-Butylbenzene	13.62	91	6838	0.318	ug/l	96
90) Hexachloroethane	13.88	117	209	Below Cal	#	32
91) 1,2-Dichlorobenzene	13.66	146	5226	0.371	ug/l	93
93) 1,2,4-Trichlorobenzene	14.92	180	3767	3.887	ug/l	96
94) Hexachlorobutadiene	15.01	225	2522	Below Cal		90
95) Naphthalene	15.13	128	8691	1.266	ug/l #	88

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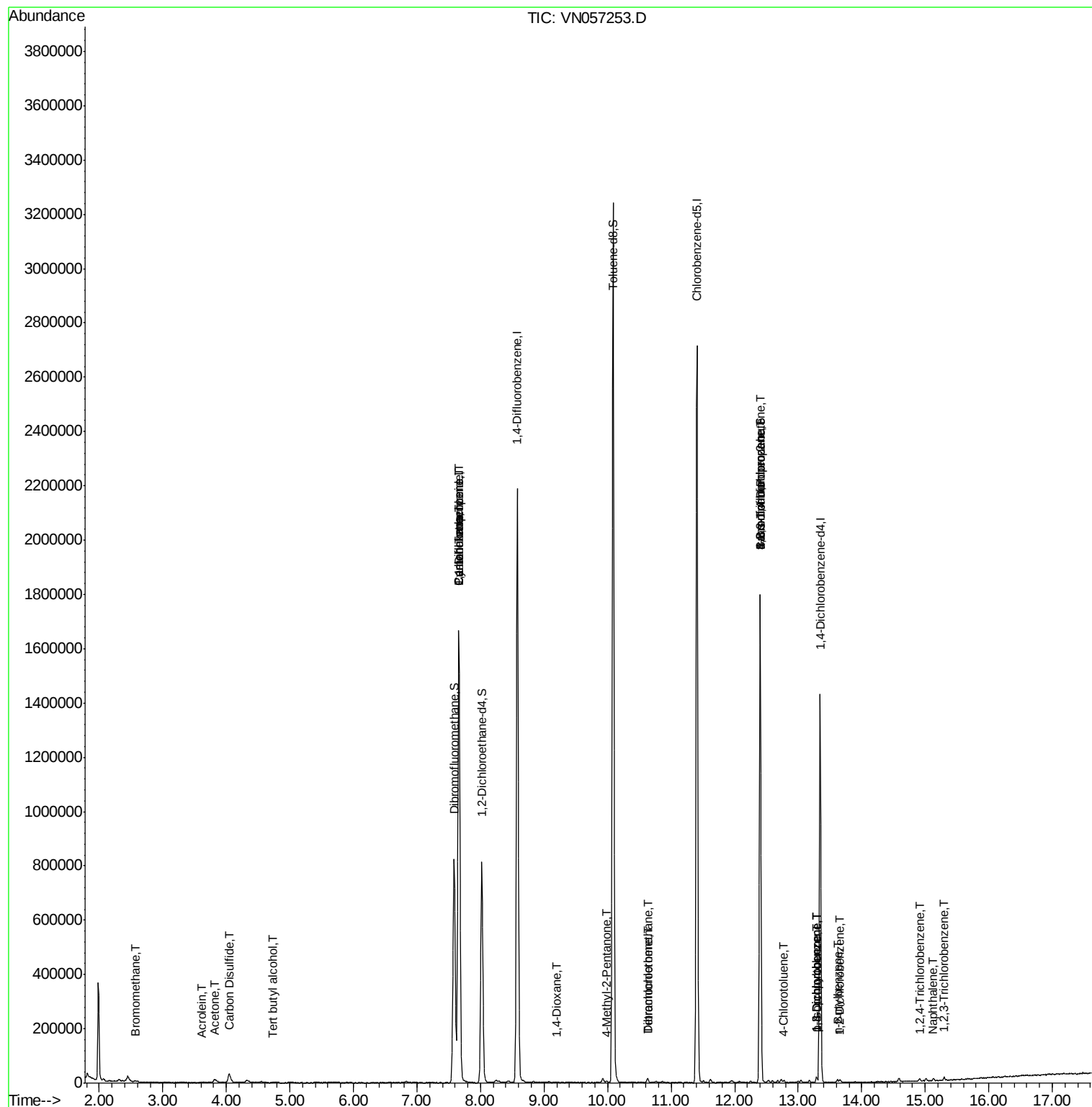
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.30	180	4378	5.048	ug/l	95

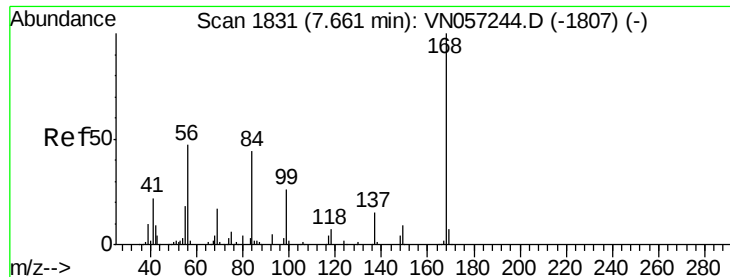
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081319\
Data File : VN057253.D
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Sample : K4262-06
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

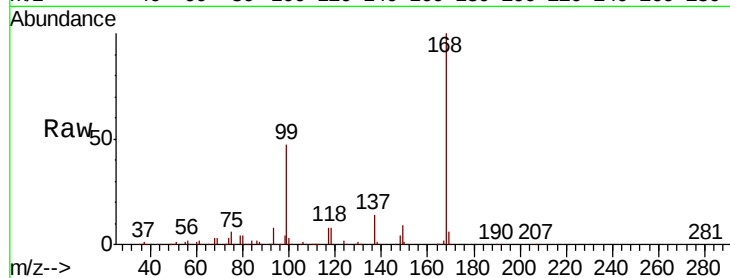
MW-4R 080819

Tgt Ion:168 Resp: 1511011

Ion Ratio Lower Upper

168 100

99 47.0 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): VN057244.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN057244.D (-1807) (-)

7.66

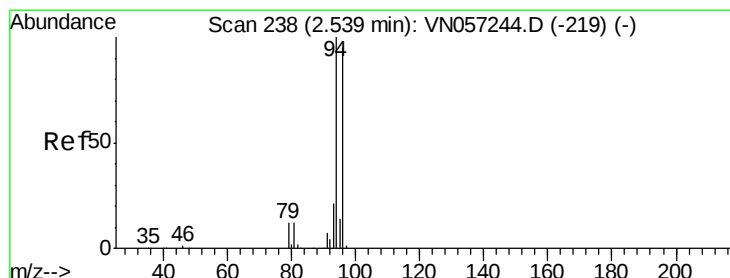
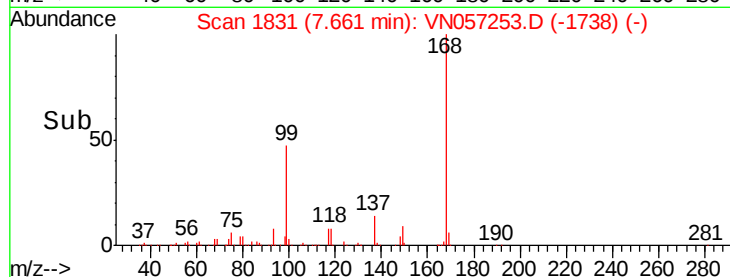
600000

400000

200000

0

Time-->



#5

Bromomethane

Concen: 0.248 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.02 min

Lab File: VN057253.D

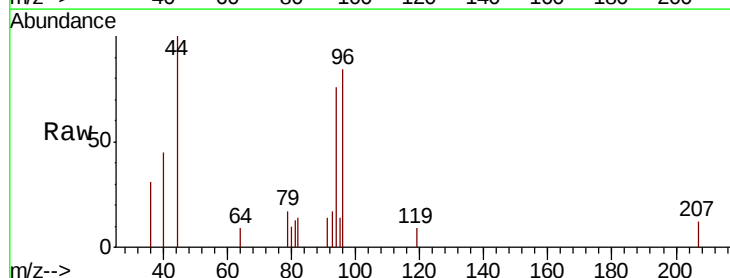
Acq: 13 Aug 2019 18:11

Tgt Ion: 94 Resp: 2455

Ion Ratio Lower Upper

94 100

96 110.3 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN057244.D (-219) (-)

Ion 95.90 (95.60 to 96.60): VN057244.D (-219) (-)

2.56

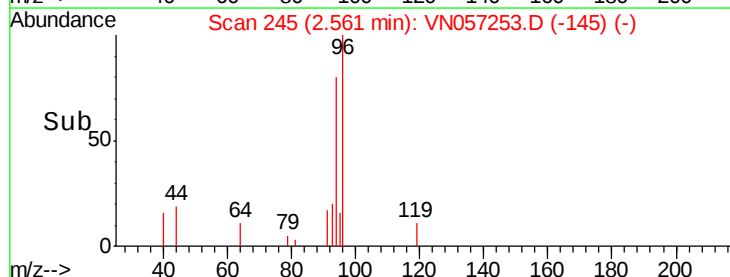
1500

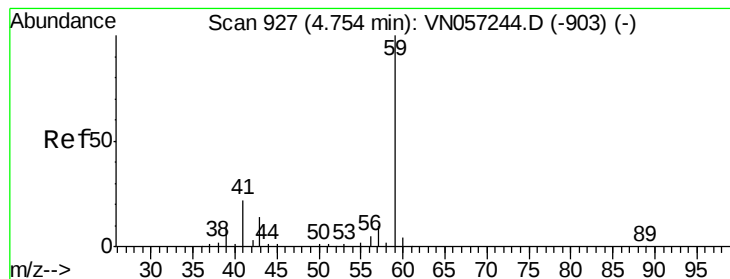
1000

500

0

Time-->



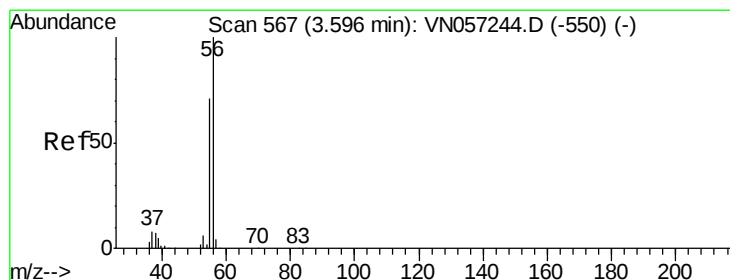
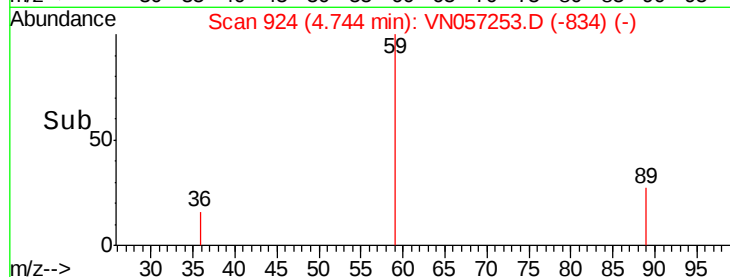
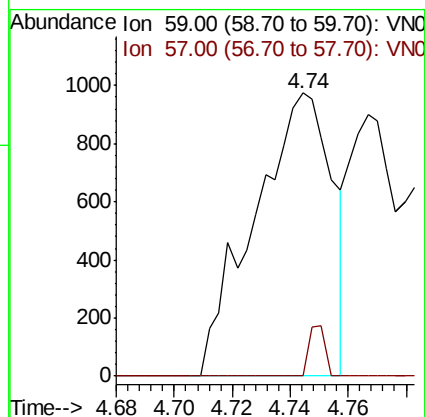
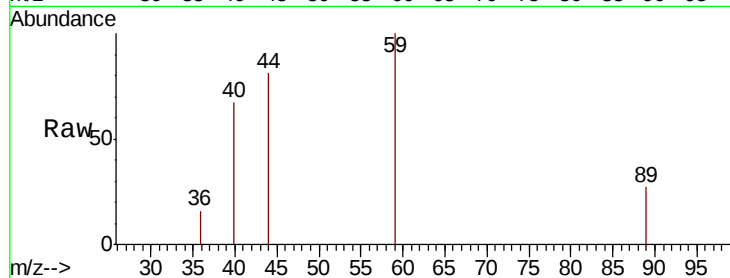


#11

Tert butyl alcohol
 Concen: 0.880 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VN057253.D
 Acq: 13 Aug 2019 18:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R 080819

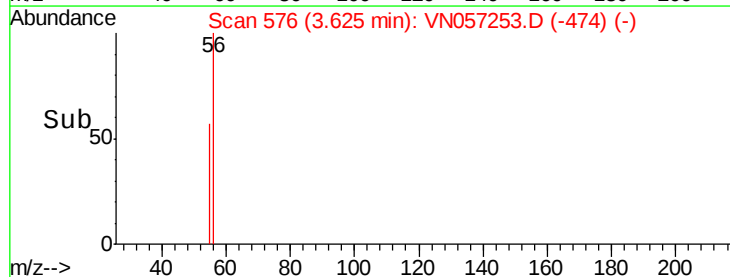
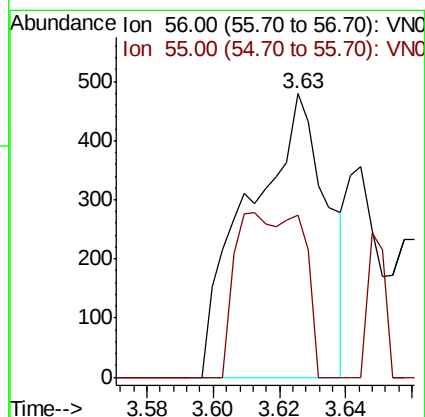
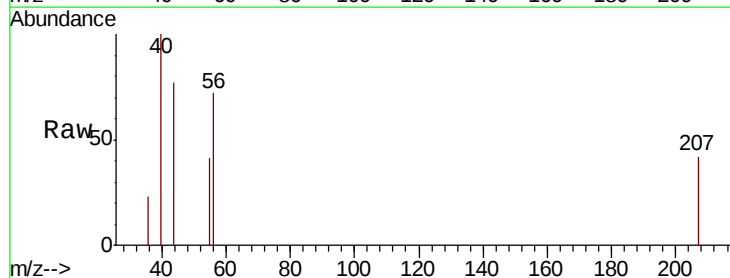
Tgt Ion: 59 Resp: 1806
 Ion Ratio Lower Upper
 59 100
 57 3.7 3.4 5.2

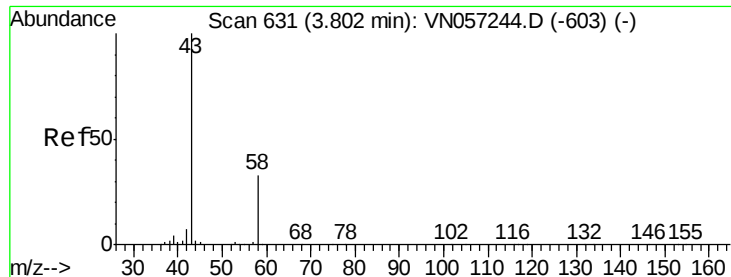


#13

Acrolein
 Concen: 0.533 ug/l
 RT: 3.63 min Scan# 576
 Delta R.T. 0.03 min
 Lab File: VN057253.D
 Acq: 13 Aug 2019 18:11

Tgt Ion: 56 Resp: 783
 Ion Ratio Lower Upper
 56 100
 55 31.5 56.6 84.8#





#16

Acetone

Concen: 3.306 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

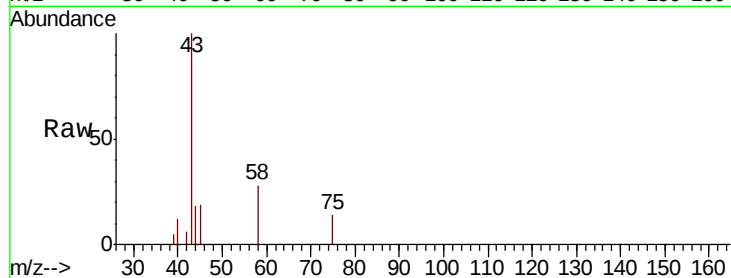
MW-4R 080819

Tgt Ion: 43 Resp: 17275

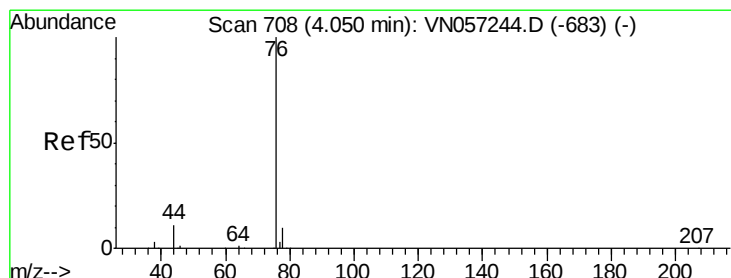
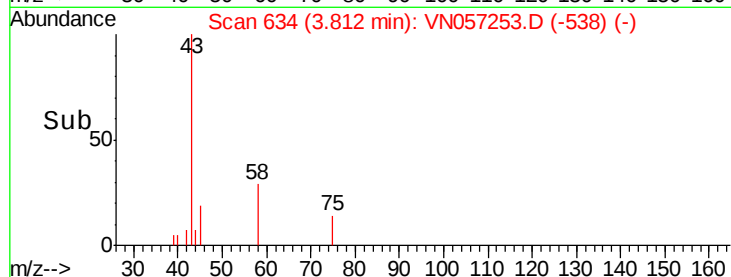
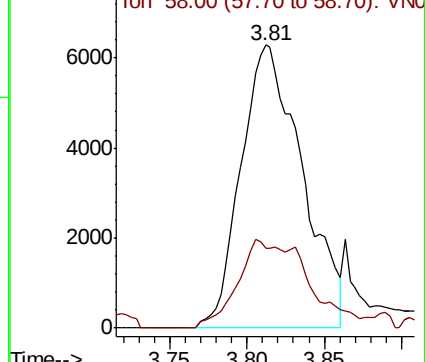
Ion Ratio Lower Upper

43 100

58 28.2 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN057244.D (-603) (-)



#17

Carbon Disulfide

Concen: 0.239 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN057253.D

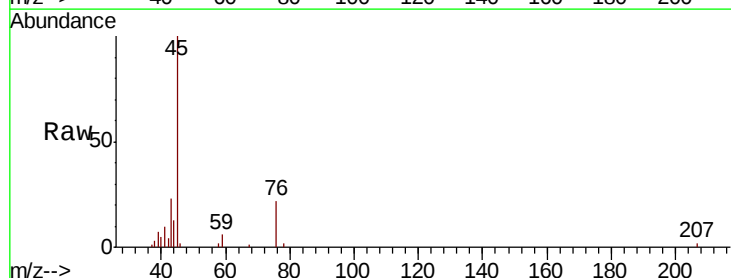
Acq: 13 Aug 2019 18:11

Tgt Ion: 76 Resp: 8587

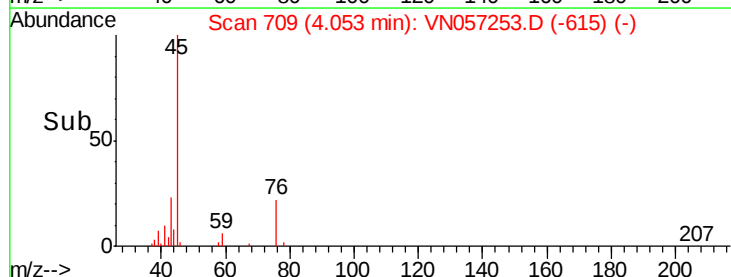
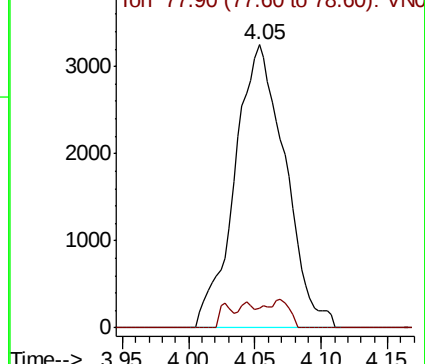
Ion Ratio Lower Upper

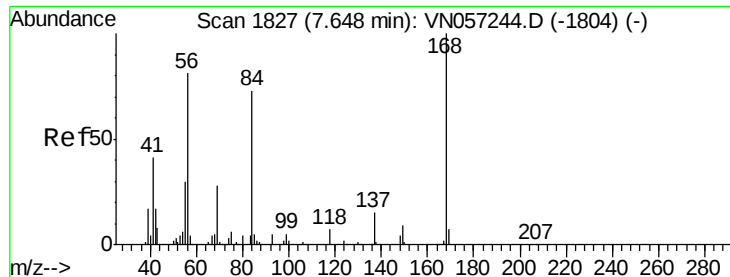
76 100

78 7.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN057244.D (-683) (-)

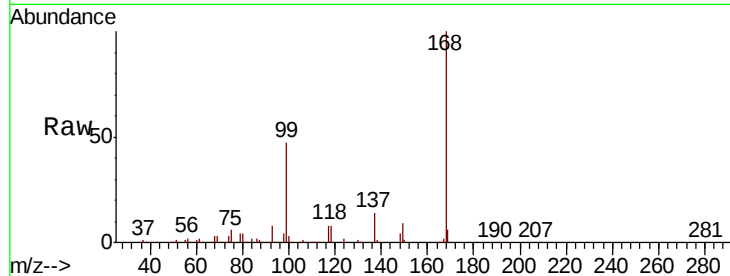




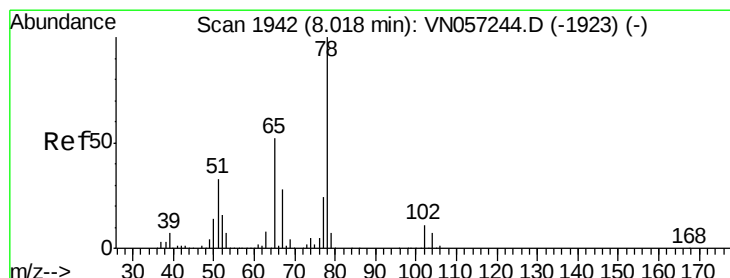
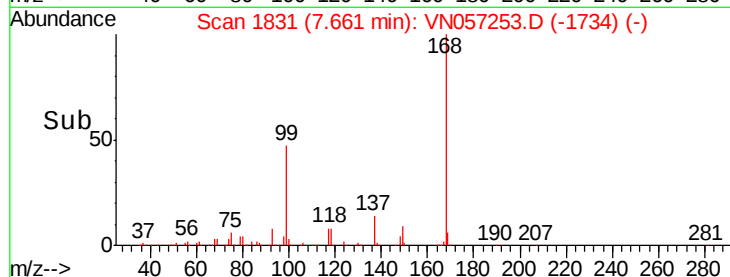
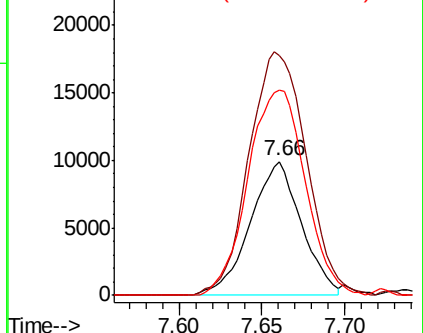
#31
Cyclohexane
Concen: 0.986 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN057253.D
Acq: 13 Aug 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819

Tgt Ion: 56 Resp: 21288
Ion Ratio Lower Upper
56 100
69 179.3 27.8 41.8#
84 153.6 72.0 108.0#

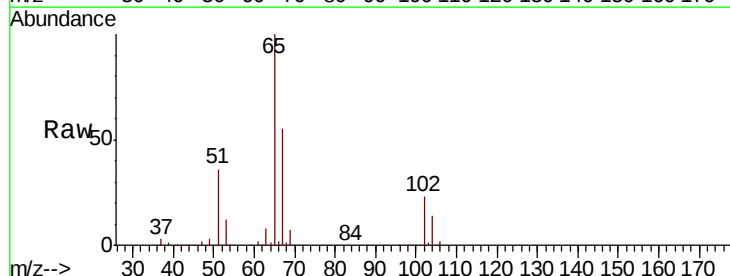


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

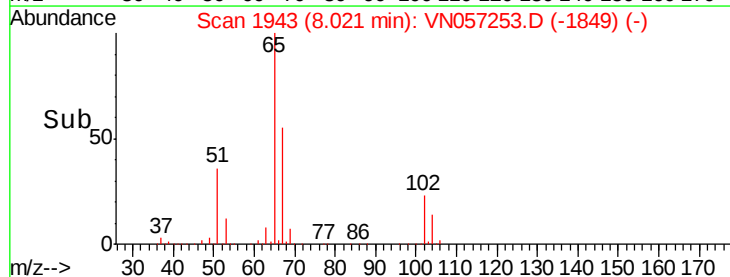
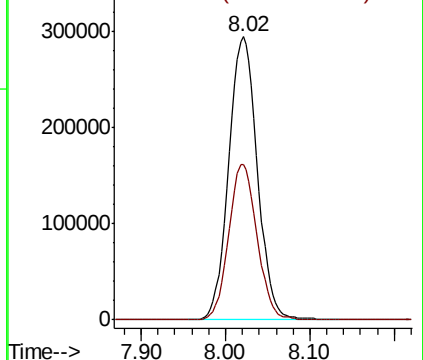


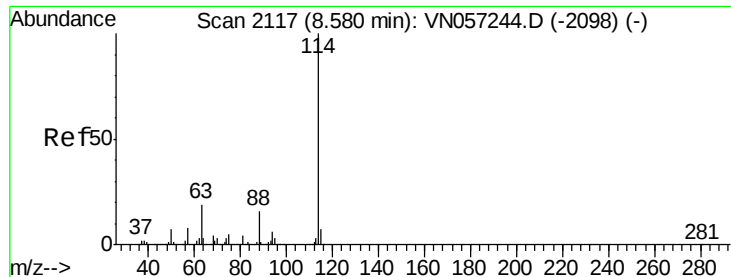
#33
1,2-Dichloroethane-d4
Concen: 45.507 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN057253.D
Acq: 13 Aug 2019 18:11

Tgt Ion: 65 Resp: 693653
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819

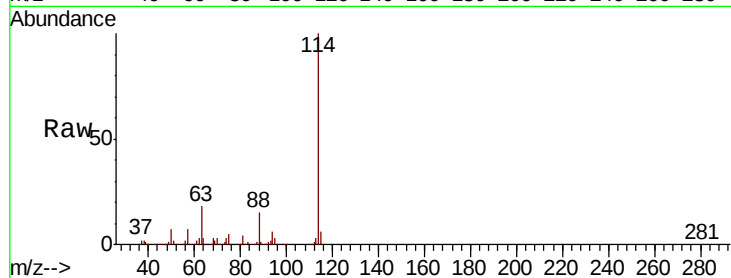
Tgt Ion:114 Resp: 2086908

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.0

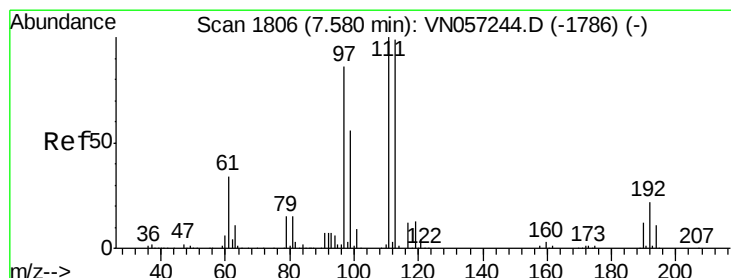
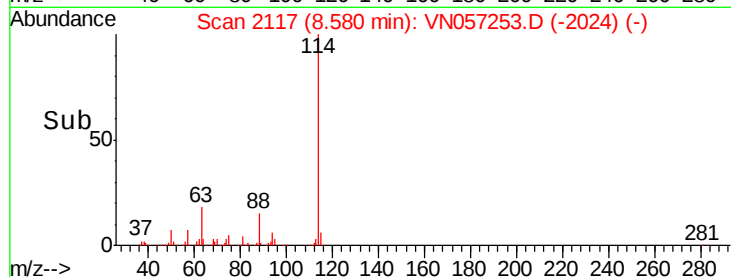
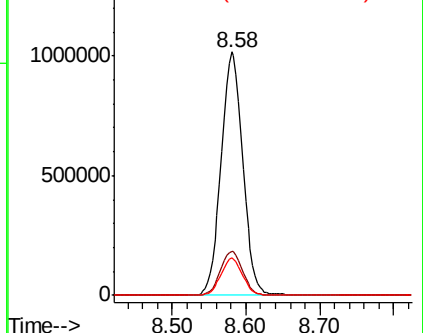
88 15.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.322 ug/l

RT: 7.58 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

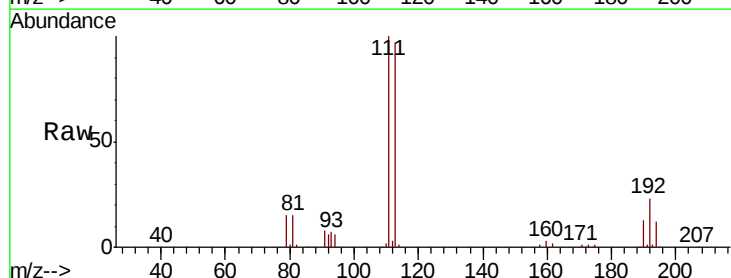
Tgt Ion:113 Resp: 630578

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.2

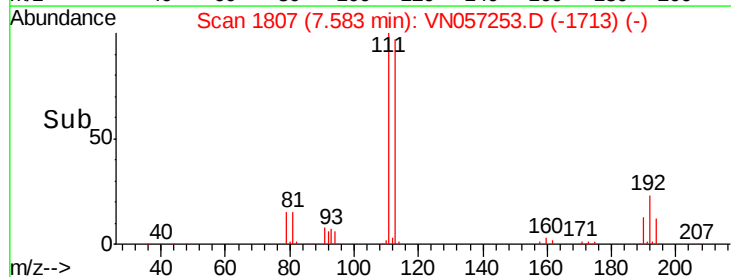
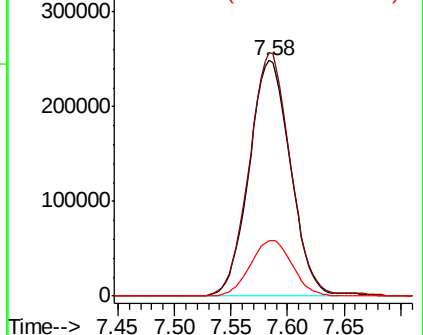
192 24.0 18.8 28.2

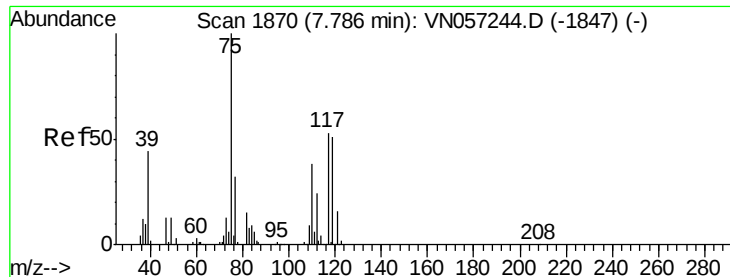


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.894 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

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MW-4R 080819

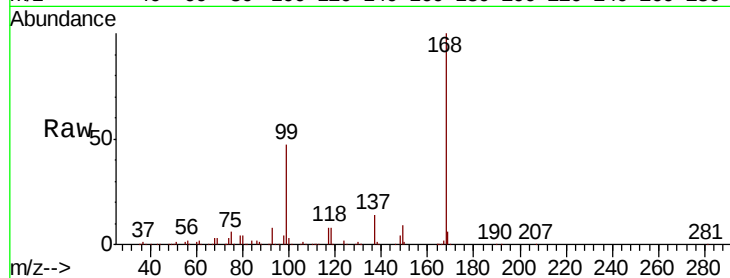
Tgt Ion: 75 Resp: 89299

Ion Ratio Lower Upper

75 100

110 8.1 19.1 57.1#

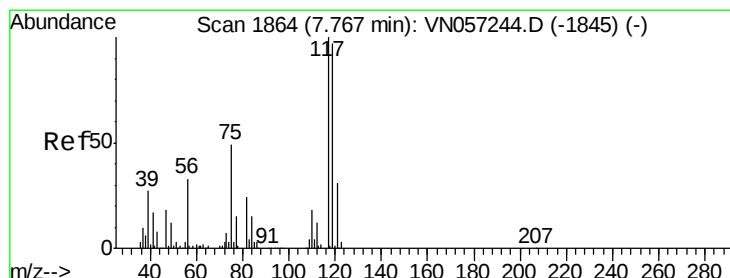
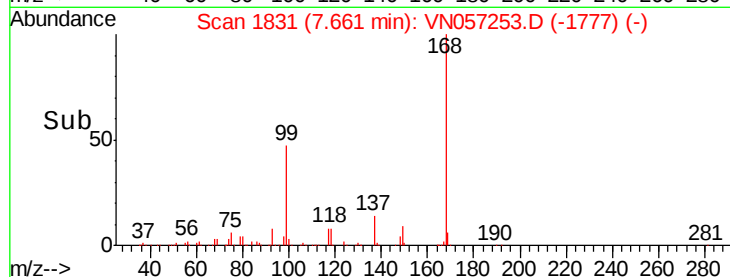
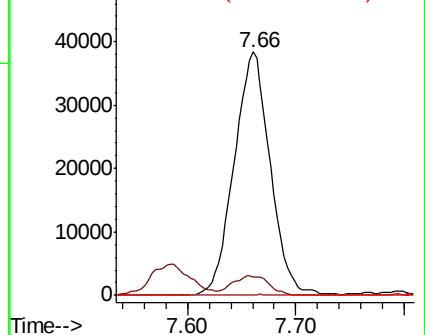
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 6.692 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

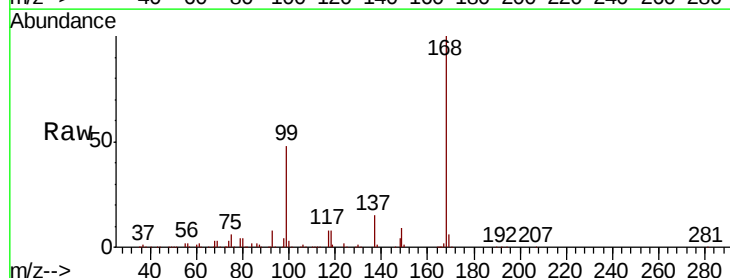
Tgt Ion: 117 Resp: 129699

Ion Ratio Lower Upper

117 100

119 6.0 77.8 116.6#

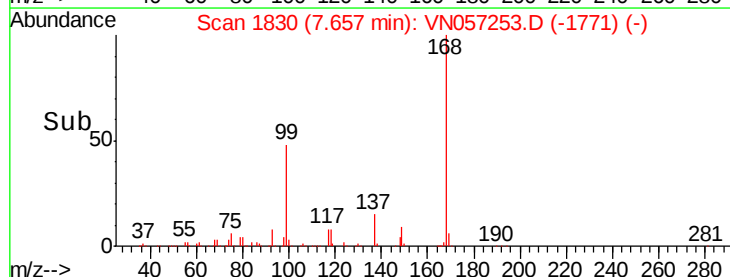
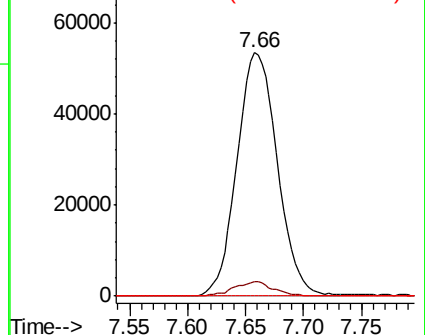
121 0.0 24.9 37.3#

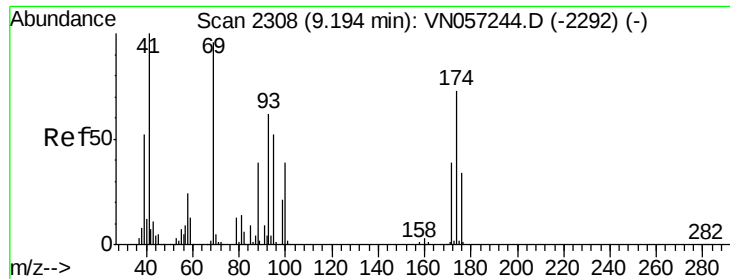


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

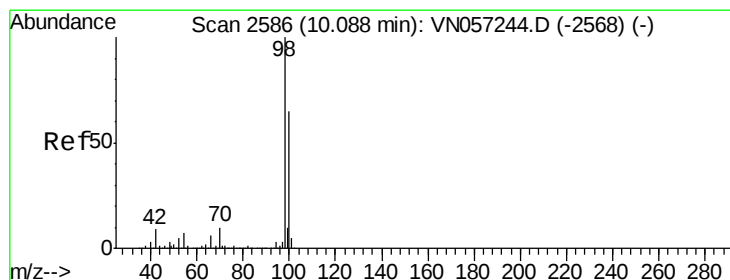
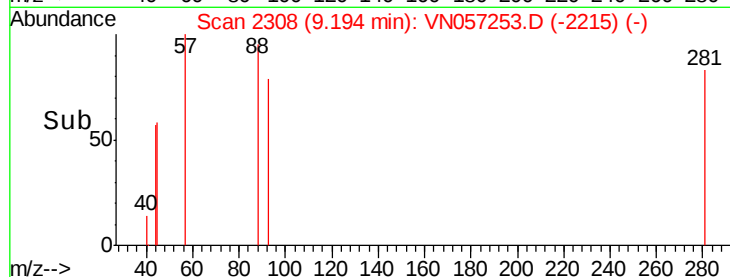
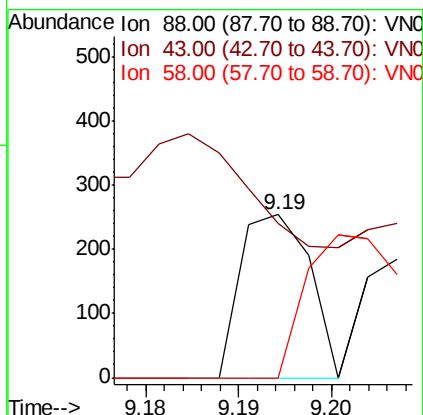
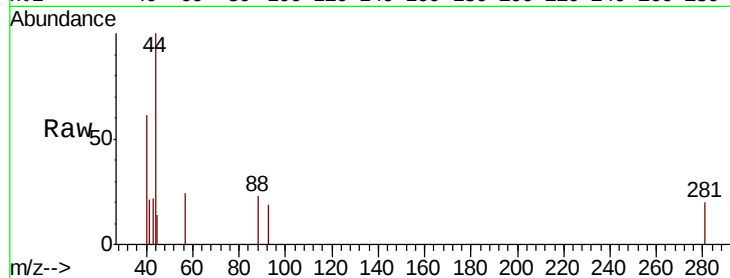




#49
1,4-Dioxane
Concen: 0.524 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057253.D
Acq: 13 Aug 2019 18:11

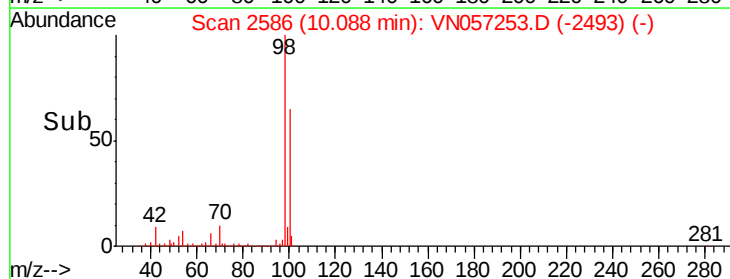
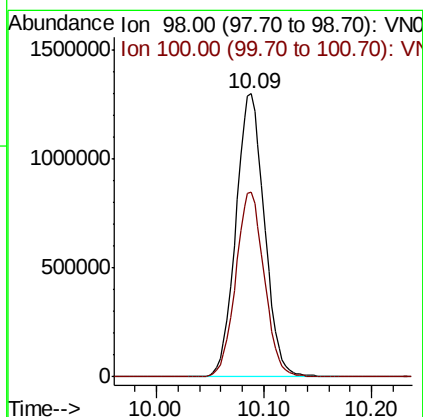
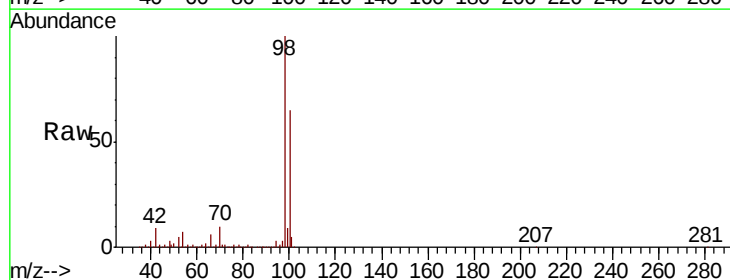
Instrument :
MSVOA_N
ClientSampleId :
MW-4R 080819

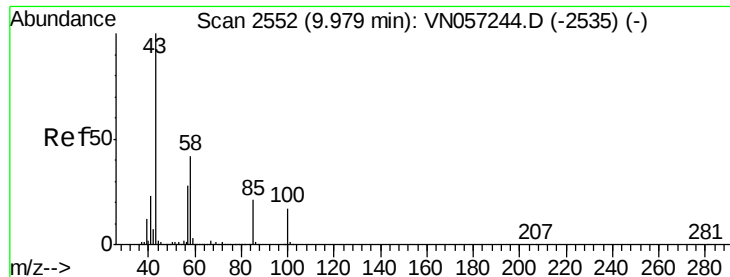
Tgt Ion: 88 Resp: 132
Ion Ratio Lower Upper
88 100
43 0.0 20.7 31.1#
58 0.0 52.0 78.0#



#50
Toluene-d8
Concen: 49.355 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN057253.D
Acq: 13 Aug 2019 18:11

Tgt Ion: 98 Resp: 2398761
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 0.209 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

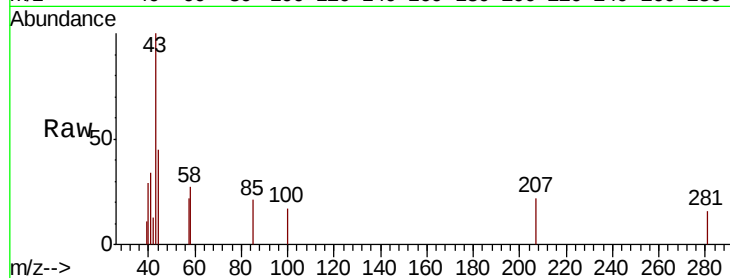
MW-4R 080819

Tgt Ion: 43 Resp: 2957

Ion Ratio Lower Upper

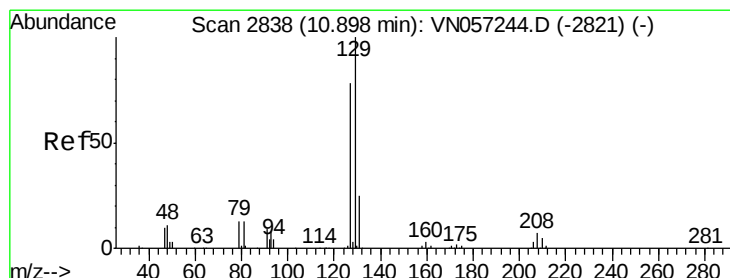
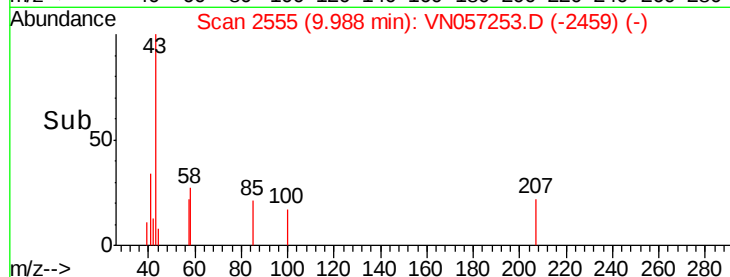
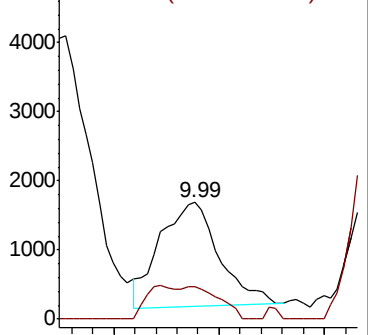
43 100

58 0.0 33.7 50.5#



Abundance Ion 43.00 (42.70 to 43.70): VN057244.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN057244.D (-2535) (-)



#60

Dibromochloromethane

Concen: 0.260 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN057253.D

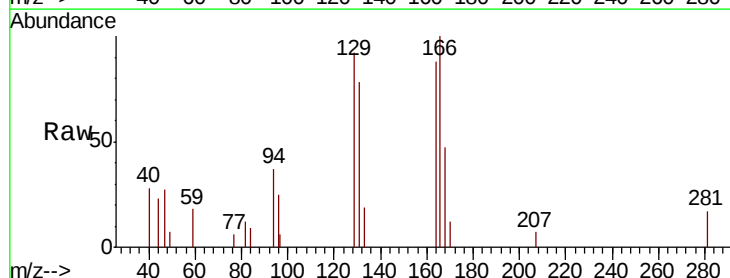
Acq: 13 Aug 2019 18:11

Tgt Ion: 129 Resp: 3917

Ion Ratio Lower Upper

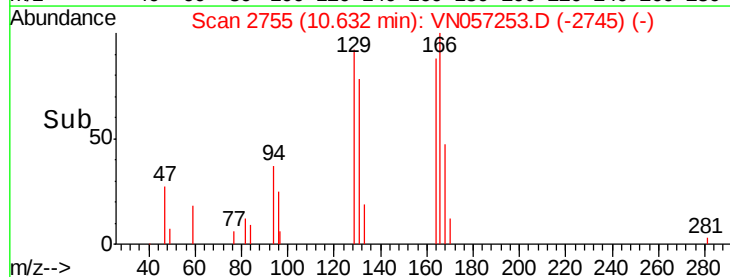
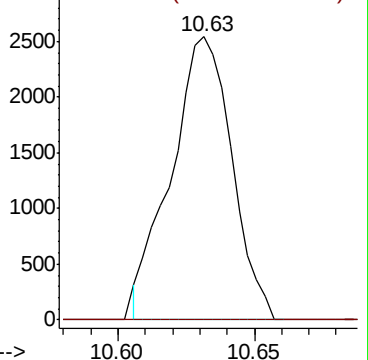
129 100

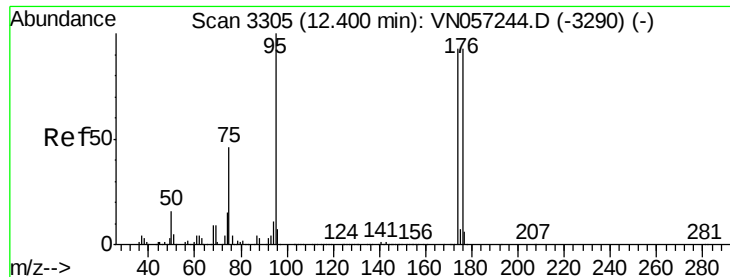
127 0.0 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): VN057244.D (-2821) (-)

Ion 126.80 (126.50 to 127.50): VN057244.D (-2821) (-)





#62

4-Bromofluorobenzene

Concen: 37.531 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819

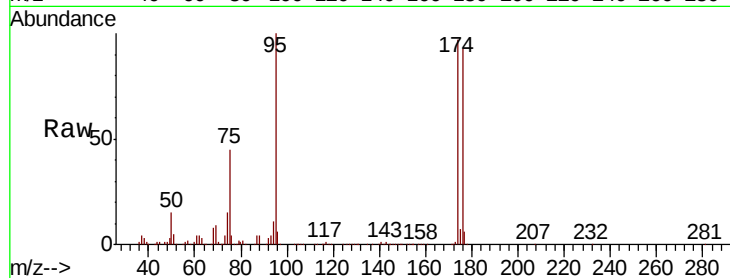
Tgt Ion: 95 Resp: 625567

Ion Ratio Lower Upper

95 100

174 96.4 0.0 187.6

176 92.4 0.0 185.8

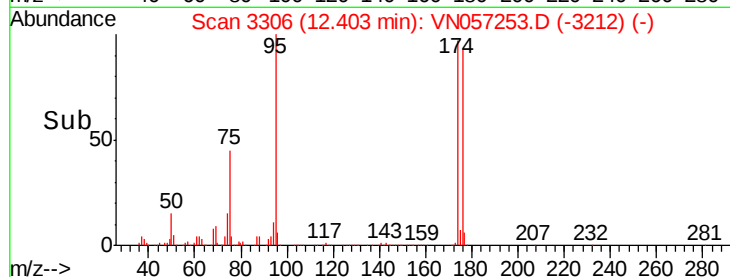


Abundance Ion 94.90 (94.60 to 95.60): VN057244.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN057244.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN057244.D (-3290) (-)

Time-->

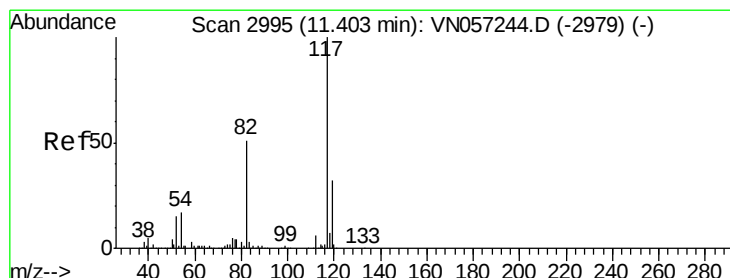


Abundance Ion 94.90 (94.60 to 95.60): VN057253.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN057253.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN057253.D (-3212) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

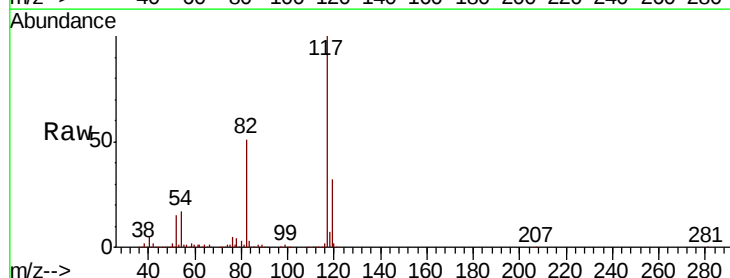
Tgt Ion: 117 Resp: 1722850

Ion Ratio Lower Upper

117 100

82 51.4 40.9 61.3

119 32.0 25.4 38.2

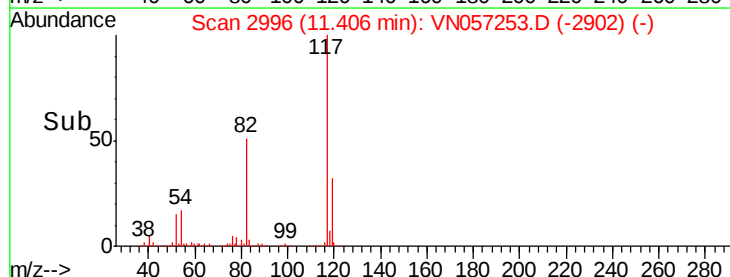


Abundance Ion 116.90 (116.60 to 117.60): VN057244.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN057244.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN057244.D (-2979) (-)

Time-->

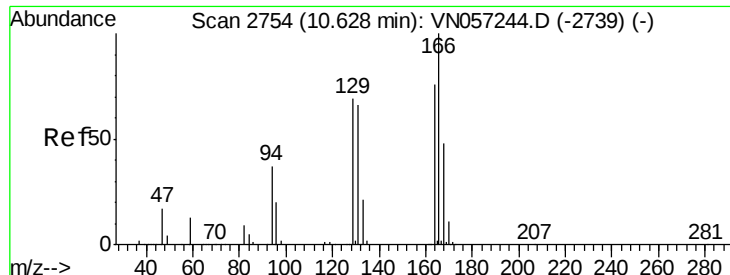


Abundance Ion 116.90 (116.60 to 117.60): VN057253.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN057253.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN057253.D (-2902) (-)

Time-->



#64

Tetrachloroethene

Concen: 0.285 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819

Tgt Ion:164 Resp: 4336

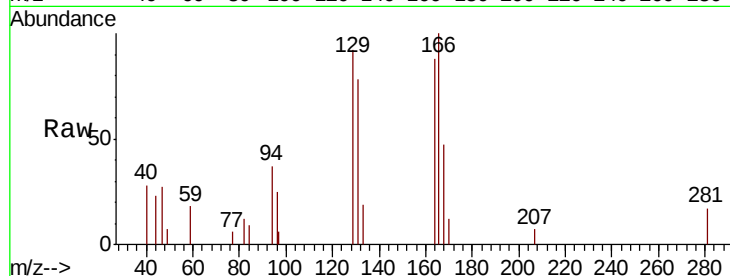
Ion Ratio Lower Upper

164 100

166 113.8 104.9 157.3

129 104.3 71.9 107.9

131 88.3 69.1 103.7

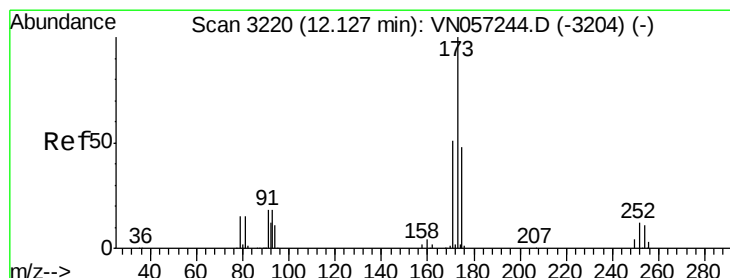
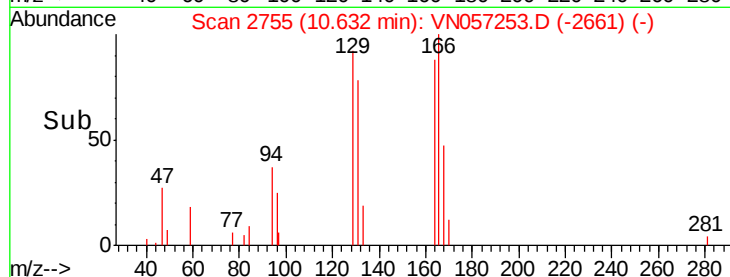
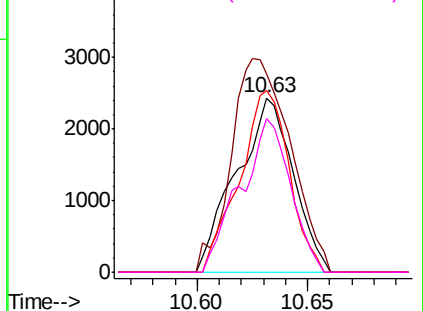


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 0.353 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

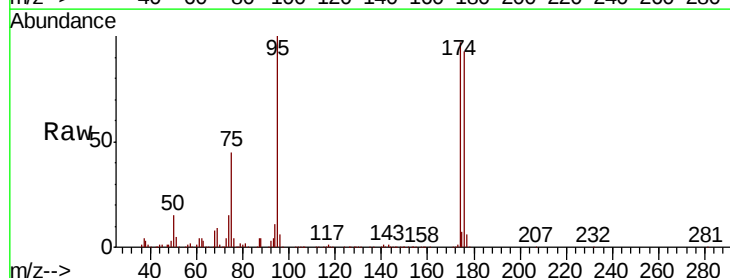
Tgt Ion:173 Resp: 3679

Ion Ratio Lower Upper

173 100

175 1038.9 24.4 73.2#

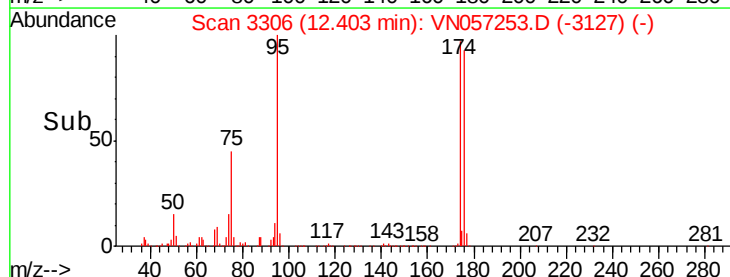
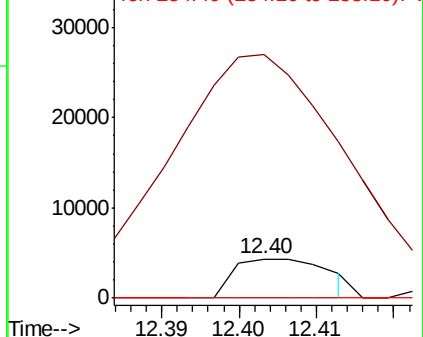
254 0.0 0.2 0.2#

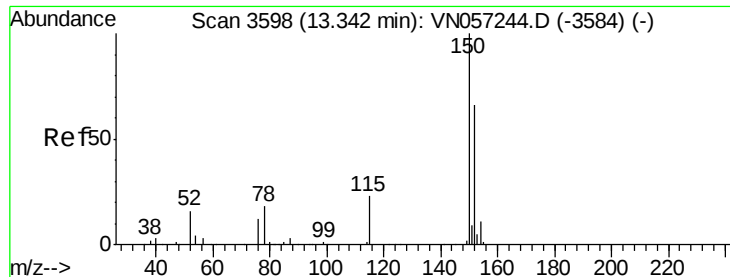


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819

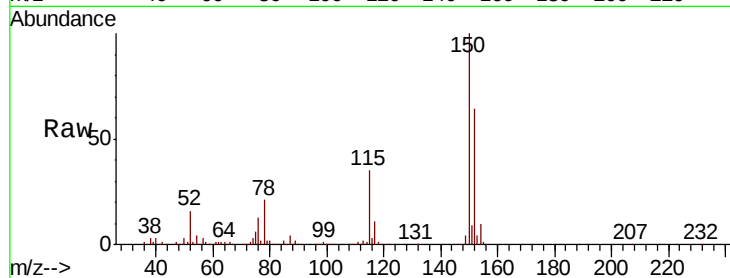
Tgt Ion:152 Resp: 417447

Ion Ratio Lower Upper

152 100

115 56.6 27.6 82.8

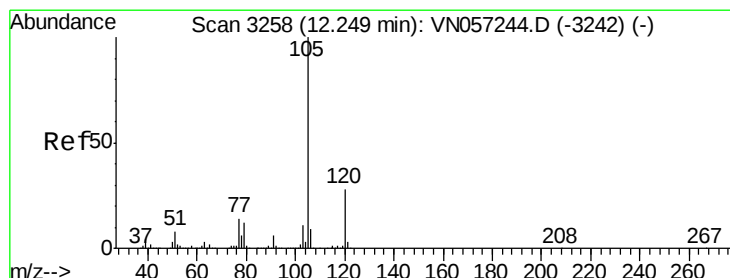
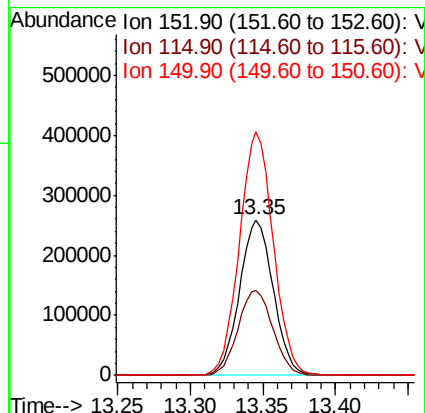
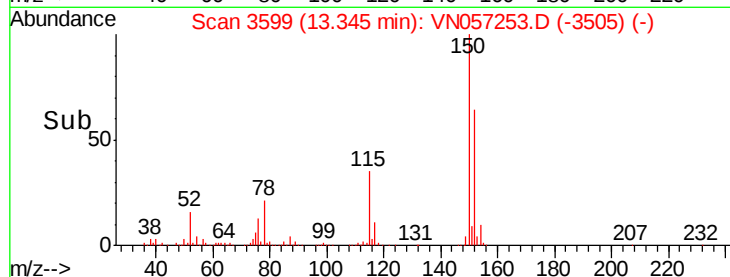
150 157.3 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057253.D

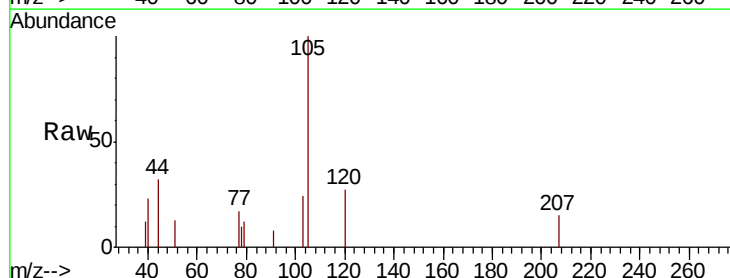
Acq: 13 Aug 2019 18:11

Tgt Ion:105 Resp: 3771

Ion Ratio Lower Upper

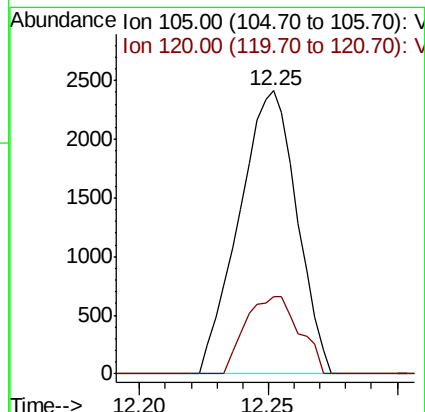
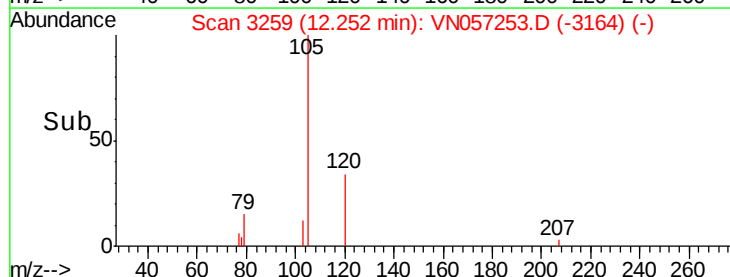
105 100

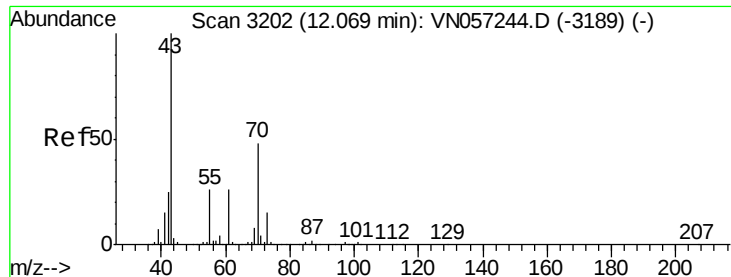
120 25.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: Below Cal

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA_N

ClientSampled :

MW-4R 080819

Tgt Ion: 43 Resp: 2441

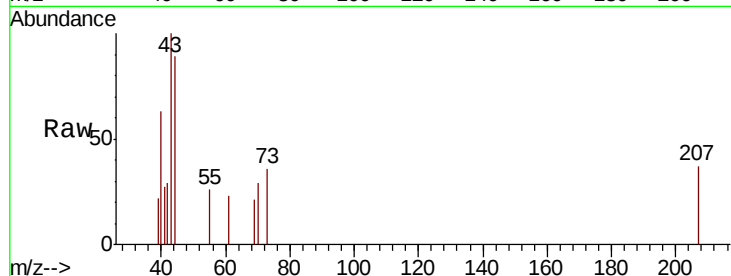
Ion Ratio Lower Upper

43 100

70 19.4 37.4 56.2#

55 15.2 21.0 31.4#

61 18.1 20.9 31.3#

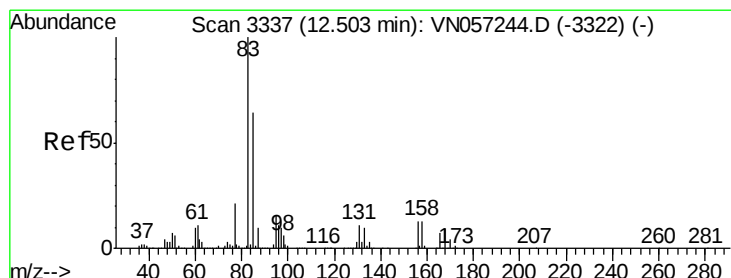
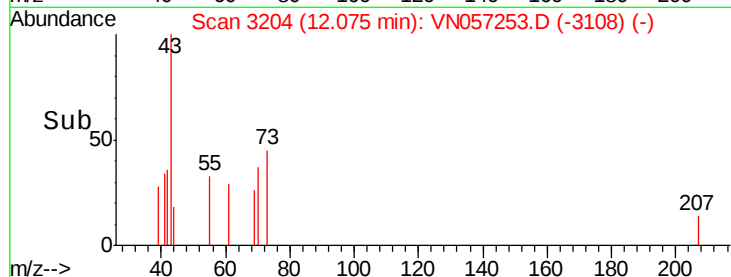
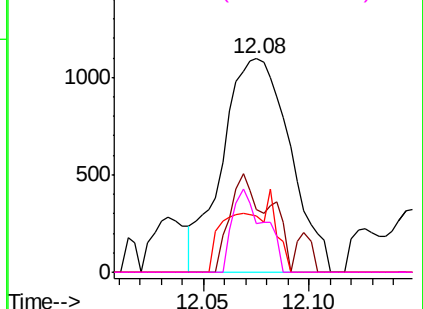


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3339

Delta R.T. 0.01 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

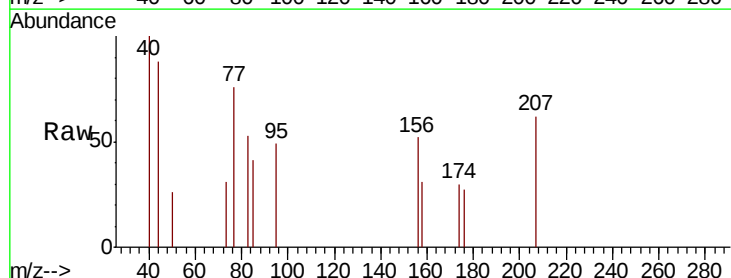
Tgt Ion: 83 Resp: 575

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

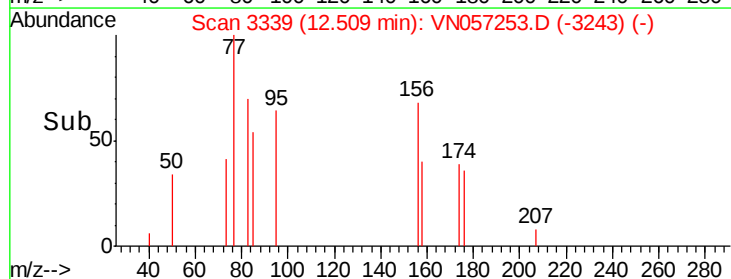
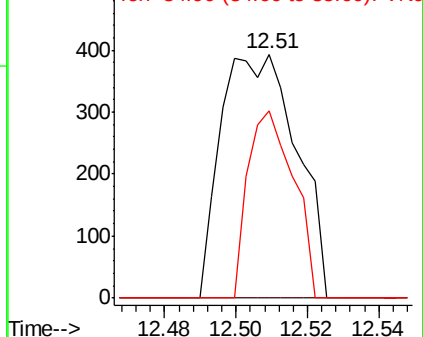
85 46.4 32.3 96.8

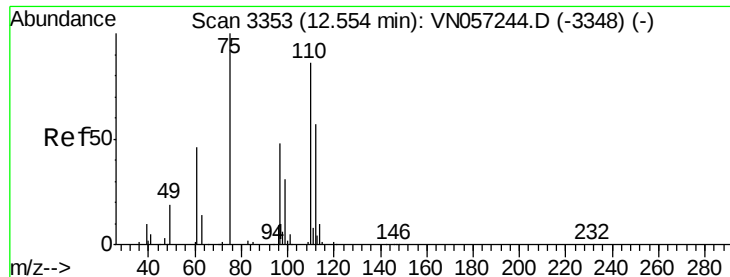


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 38.218 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

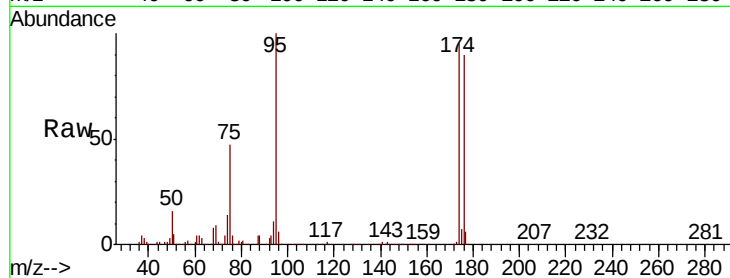
MW-4R 080819

Tgt Ion: 75 Resp: 285335

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

200000

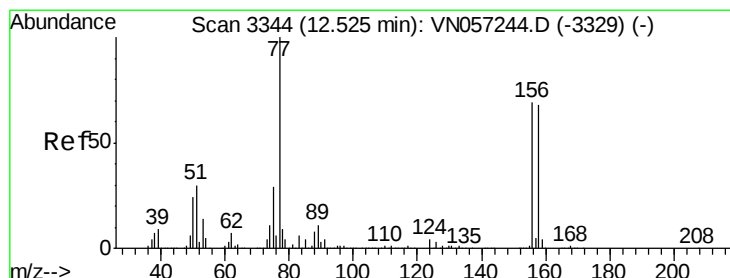
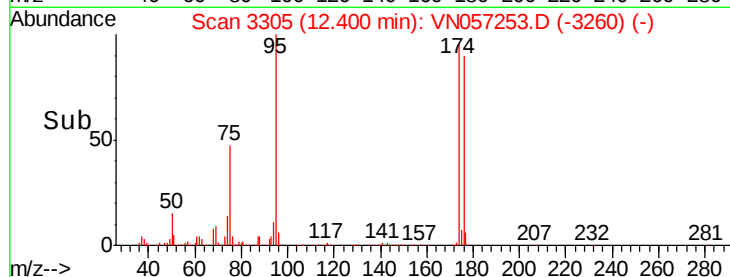
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

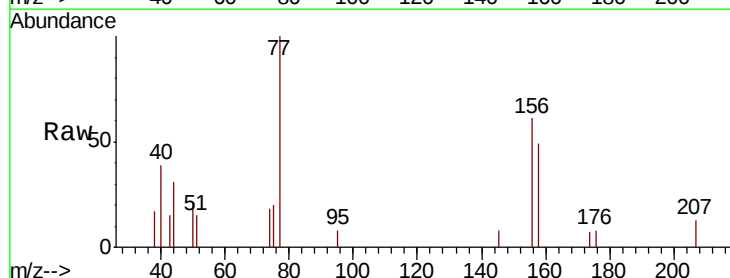
Tgt Ion: 156 Resp: 2175

Ion Ratio Lower Upper

156 100

77 161.9 88.0 264.1

158 51.4 49.4 148.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

3000

2500

2000

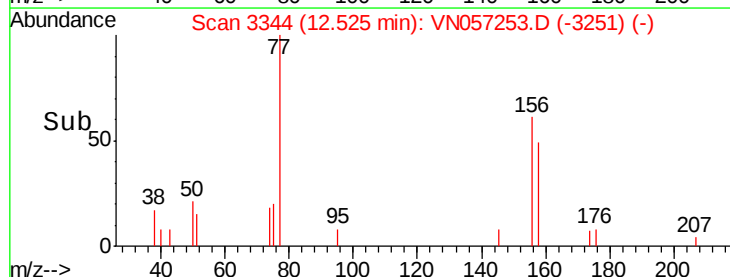
1500

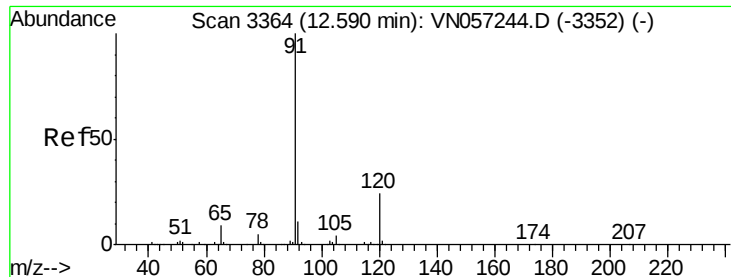
1000

500

0

Time--> 12.50 12.55





#78

n-propylbenzene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

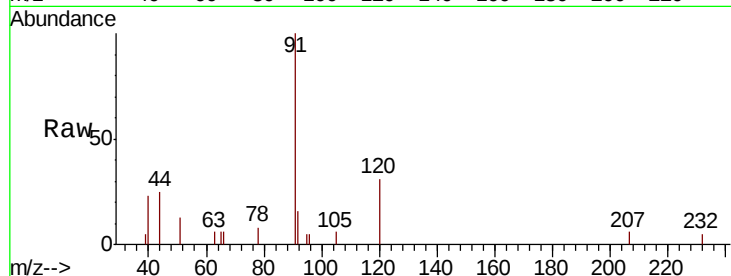
MW-4R 080819

Tgt Ion: 91 Resp: 6040

Ion Ratio Lower Upper

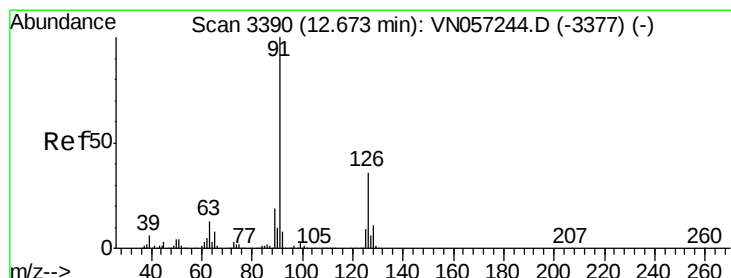
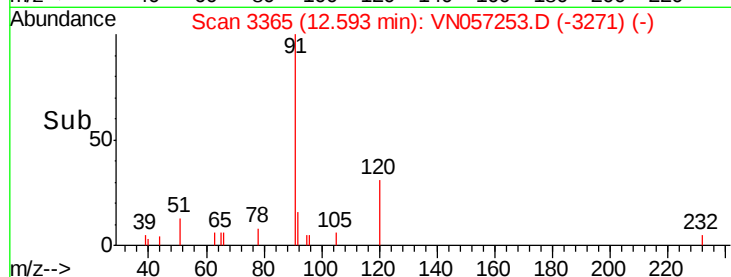
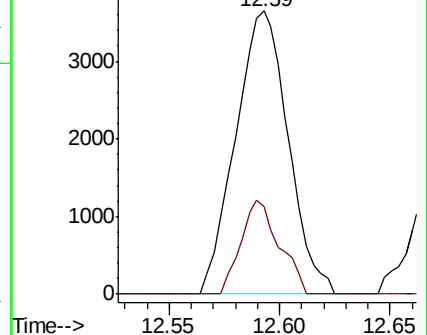
91 100

120 24.2 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN057244.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN057244.D (-3352) (-)



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057253.D

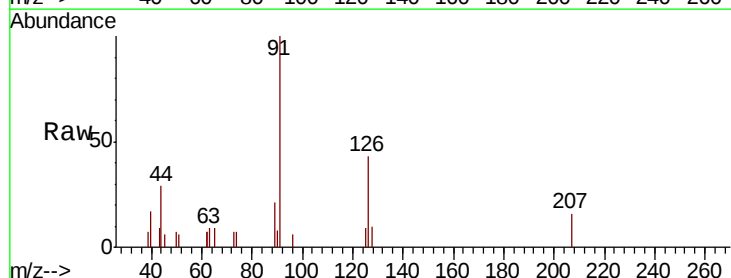
Acq: 13 Aug 2019 18:11

Tgt Ion: 91 Resp: 4498

Ion Ratio Lower Upper

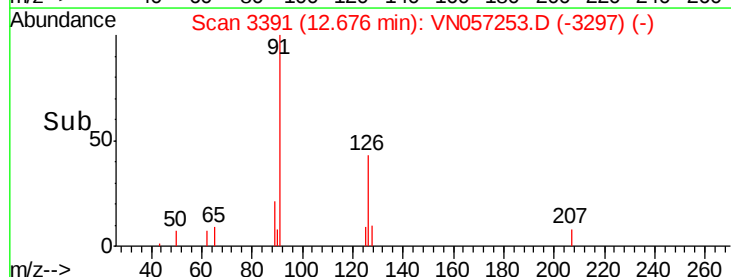
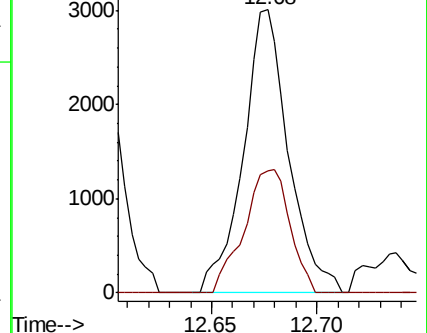
91 100

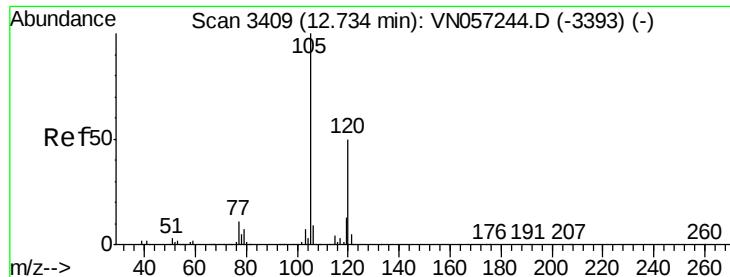
126 43.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN057244.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN057244.D (-3377) (-)

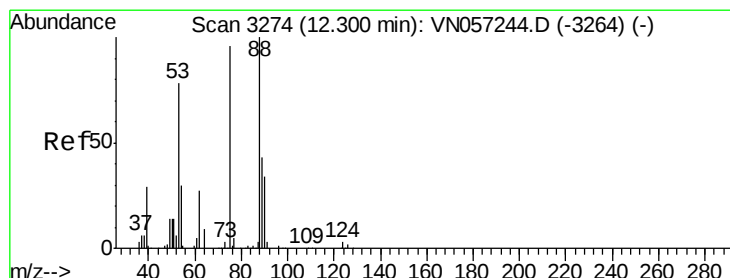
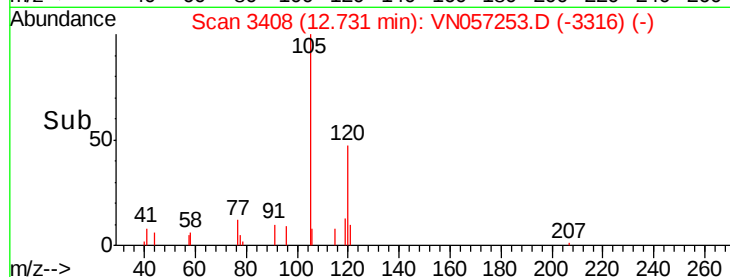
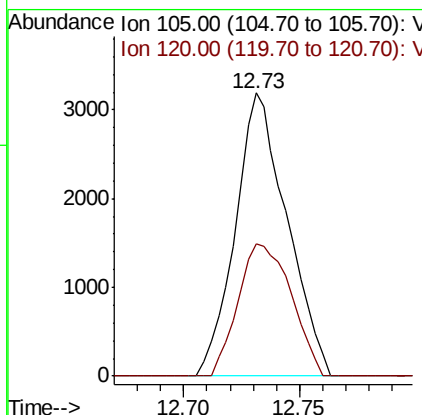
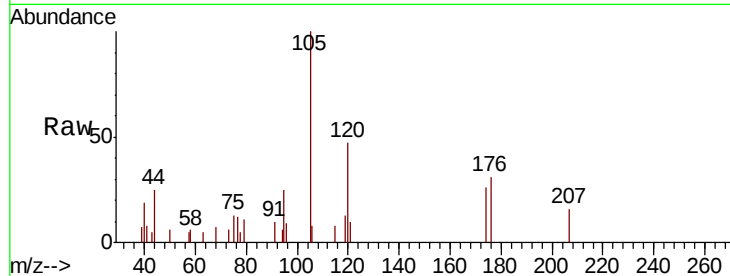




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN057253.D
 Acq: 13 Aug 2019 18:11

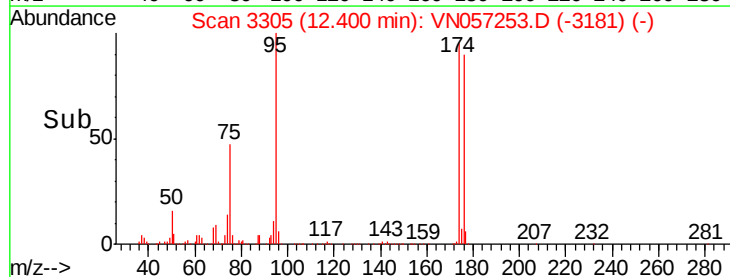
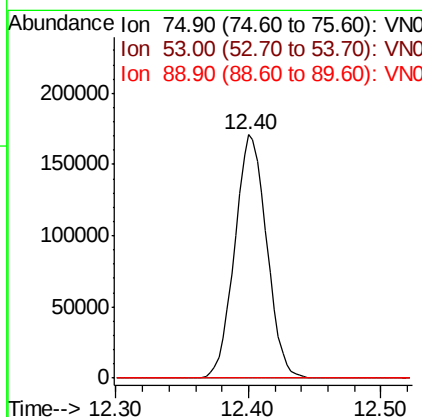
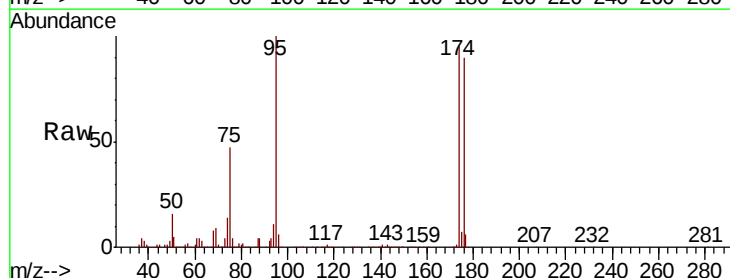
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819

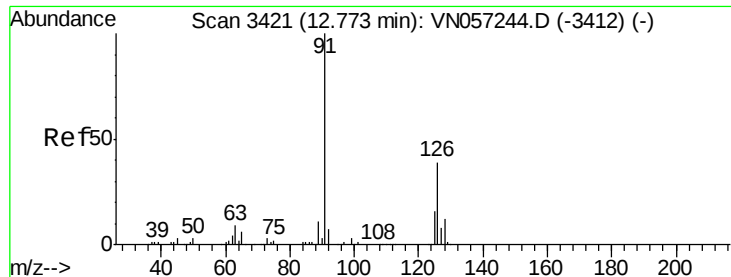
Tgt Ion: 105 Resp: 4929
 Ion Ratio Lower Upper
 105 100
 120 48.1 25.3 75.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.810 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN057253.D
 Acq: 13 Aug 2019 18:11

Tgt Ion: 75 Resp: 285335
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.6#
 89 0.0 36.7 55.1#

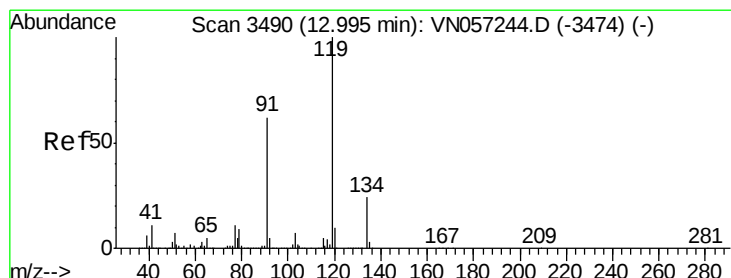
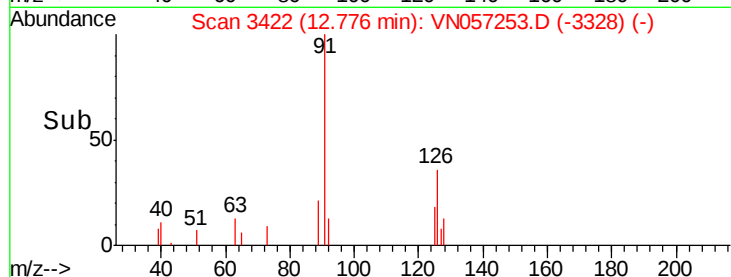
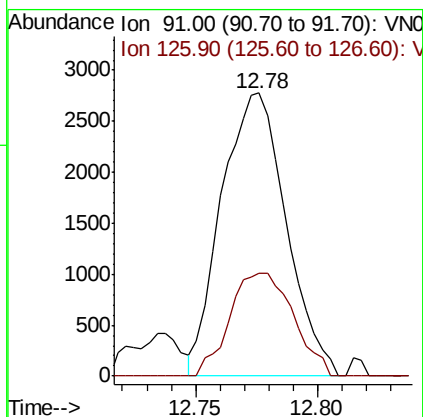
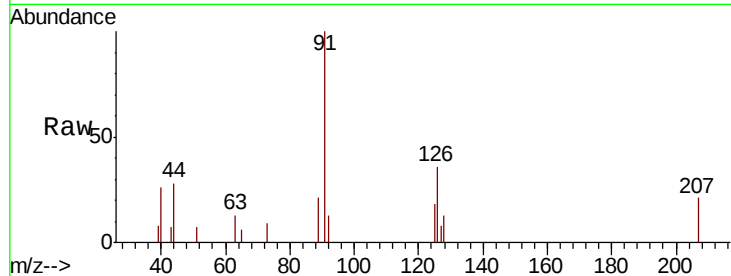




#82
4-Chlorotoluene
Concen: 0.225 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057253.D
Acq: 13 Aug 2019 18:11

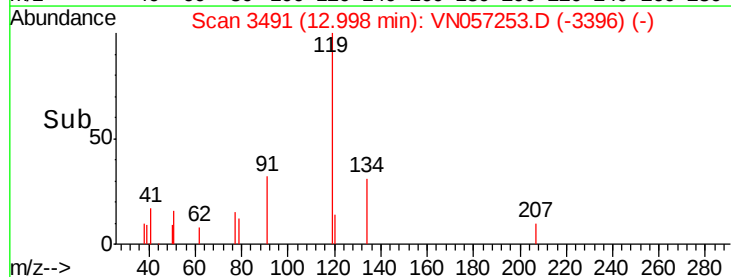
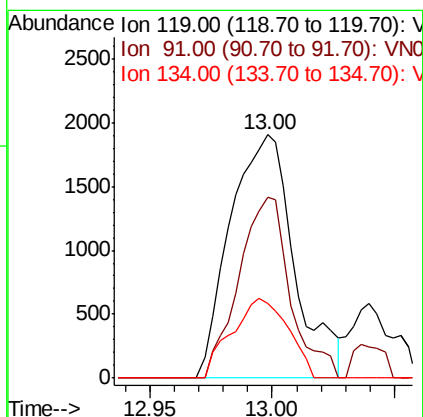
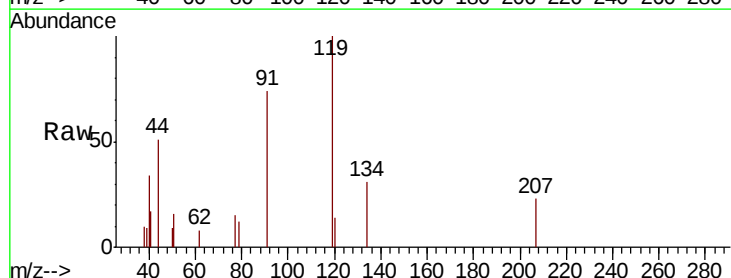
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819

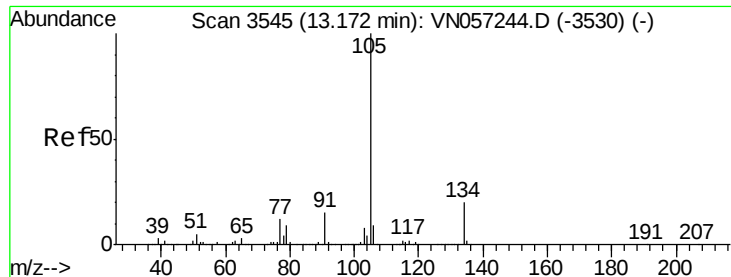
Tgt Ion: 91 Resp: 5112
Ion Ratio Lower Upper
91 100
126 35.7 17.9 53.7



#83
tert-Butylbenzene
Concen: Below Cal
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057253.D
Acq: 13 Aug 2019 18:11

Tgt Ion: 119 Resp: 3475
Ion Ratio Lower Upper
119 100
91 59.3 30.8 92.3
134 28.8 12.9 38.7

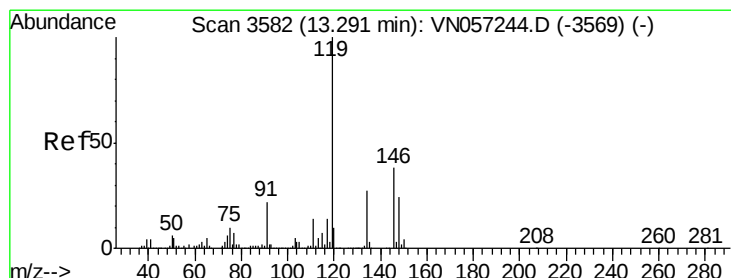
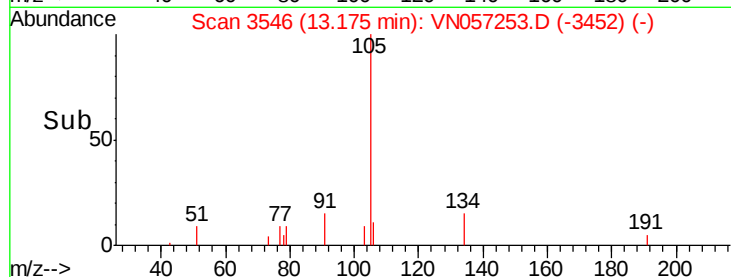
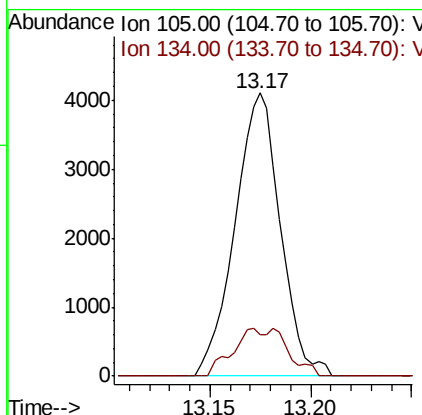
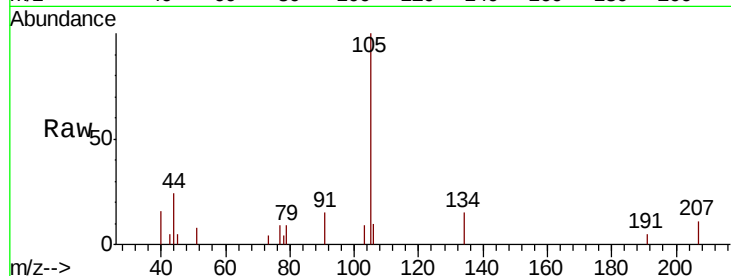




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057253.D
 Acq: 13 Aug 2019 18:11

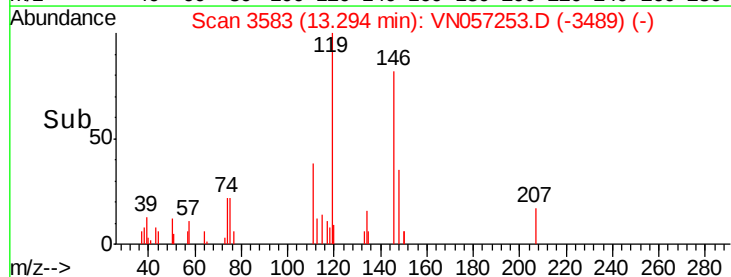
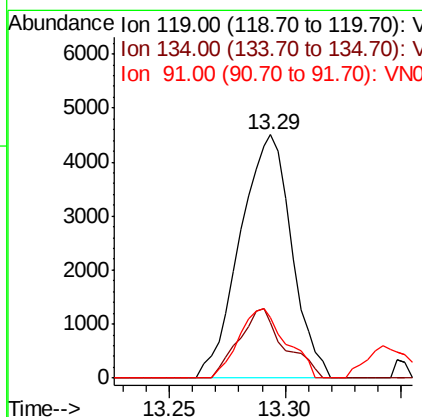
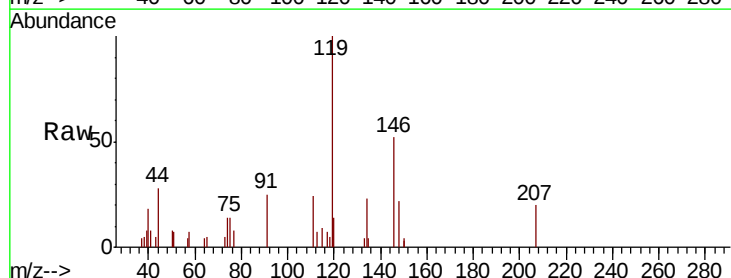
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819

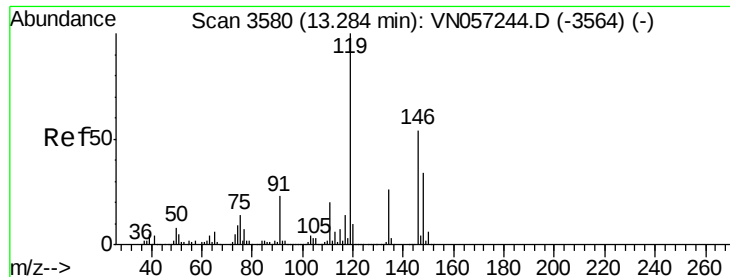
Tgt Ion:105 Resp: 6473
 Ion Ratio Lower Upper
 105 100
 134 10.7 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 0.226 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057253.D
 Acq: 13 Aug 2019 18:11

Tgt Ion:119 Resp: 6934
 Ion Ratio Lower Upper
 119 100
 134 25.3 13.5 40.5
 91 26.2 11.1 33.3

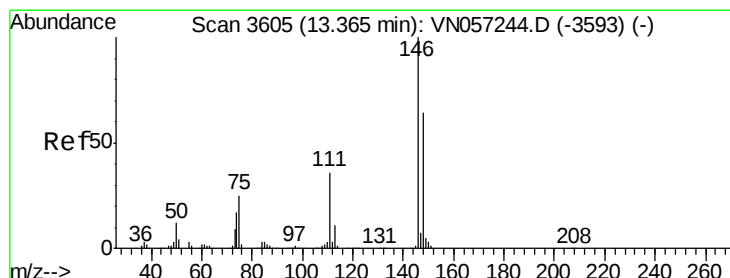
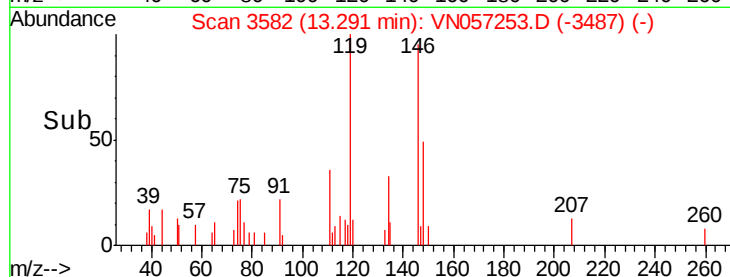
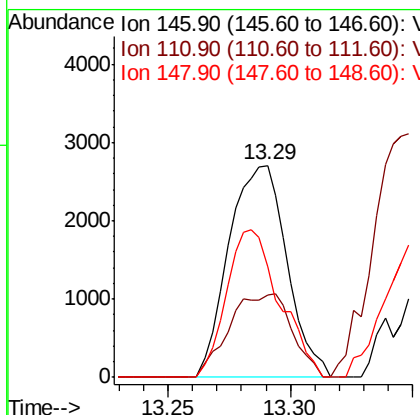
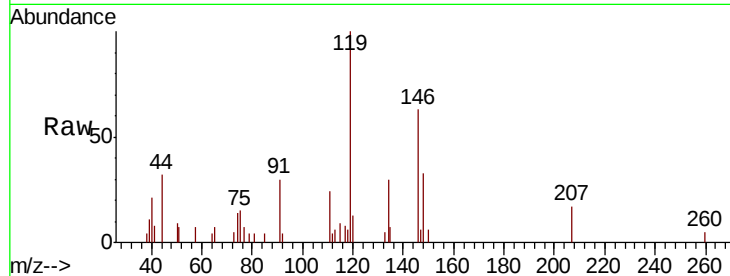




#87
 1,3-Dichlorobenzene
 Concen: 0.308 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.01 min
 Lab File: VN057253.D
 Acq: 13 Aug 2019 18:11

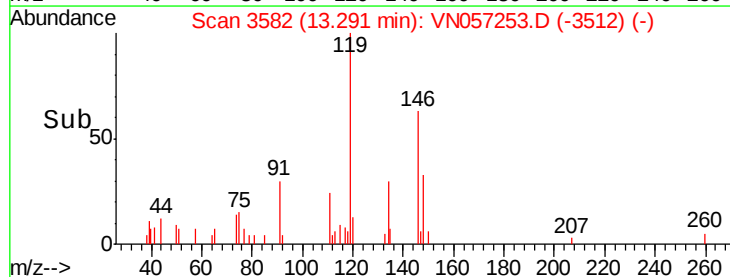
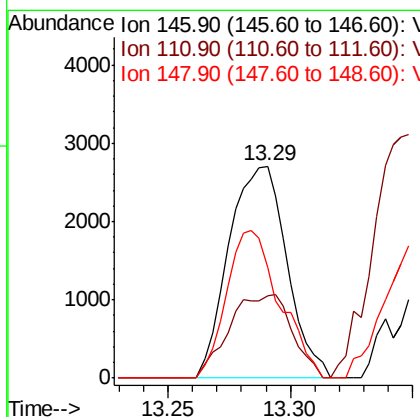
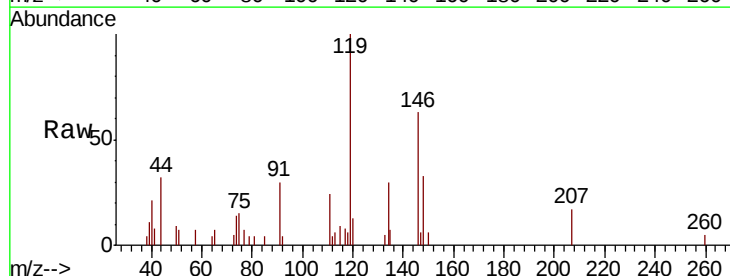
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819

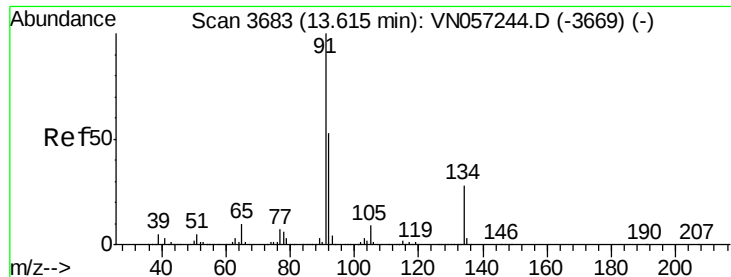
Tgt Ion:146 Resp: 4458
 Ion Ratio Lower Upper
 146 100
 111 42.5 18.8 56.4
 148 64.2 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 0.317 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.07 min
 Lab File: VN057253.D
 Acq: 13 Aug 2019 18:11

Tgt Ion:146 Resp: 4458
 Ion Ratio Lower Upper
 146 100
 111 42.5 18.3 54.8
 148 64.2 32.0 96.0





#89

n-Butylbenzene

Concen: 0.318 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819

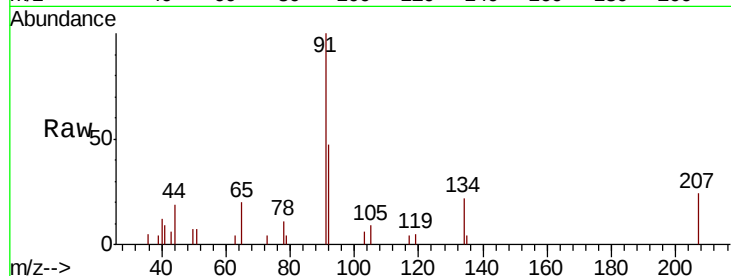
Tgt Ion: 91 Resp: 6838

Ion Ratio Lower Upper

91 100

92 53.7 26.3 78.9

134 23.9 14.1 42.3

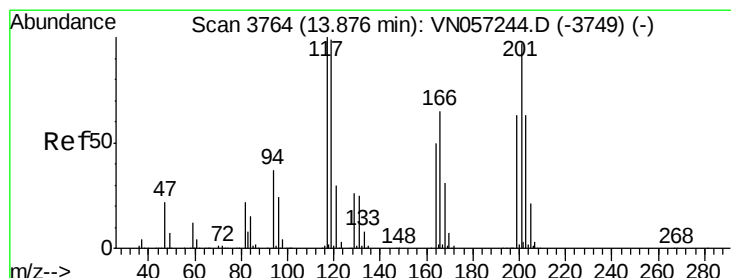
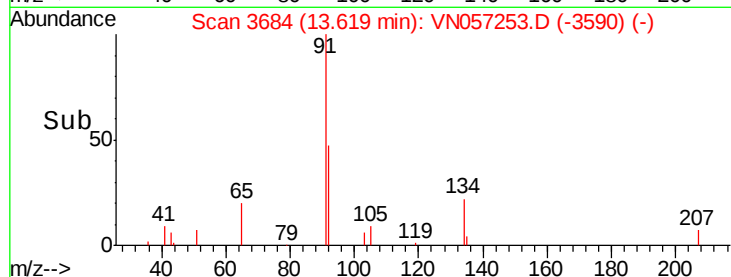


Abundance Ion 91.00 (90.70 to 91.70): VN057244.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN057244.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN057244.D (-3669) (-)

Time--> 13.55 13.60 13.65



#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN057253.D

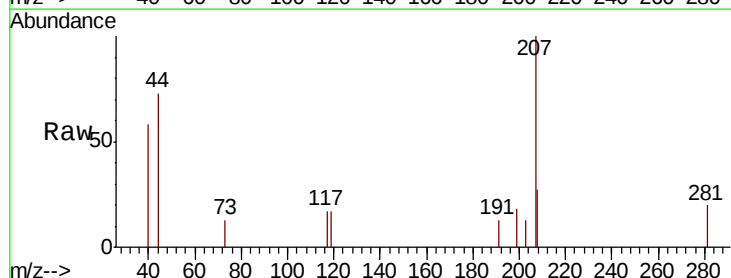
Acq: 13 Aug 2019 18:11

Tgt Ion: 117 Resp: 209

Ion Ratio Lower Upper

117 100

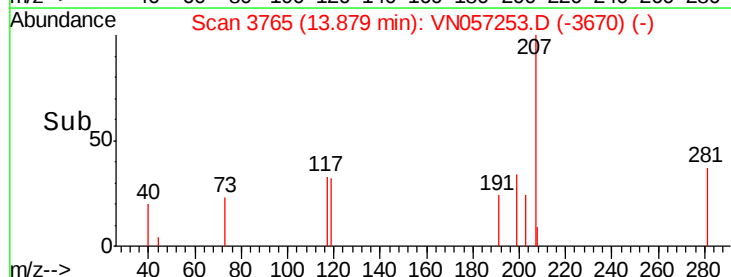
201 31.1 49.5 148.5#

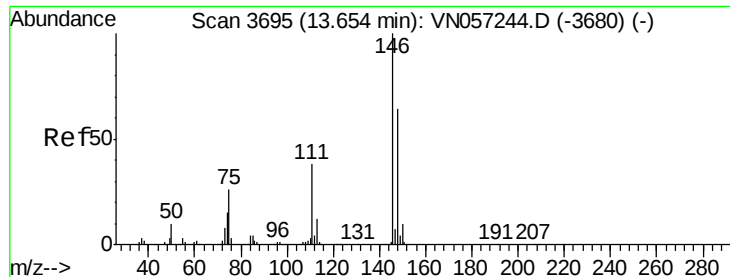


Abundance Ion 116.80 (116.50 to 117.50): VN057244.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN057244.D (-3749) (-)

Time--> 13.86 13.88 13.90





#91

1,2-Dichlorobenzene

Concen: 0.371 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819

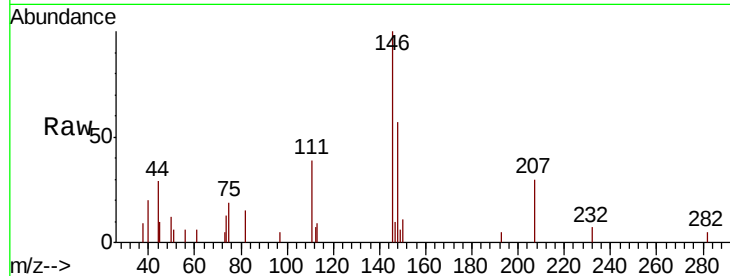
Tgt Ion:146 Resp: 5226

Ion Ratio Lower Upper

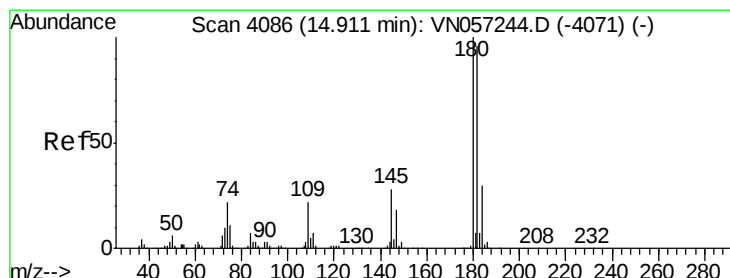
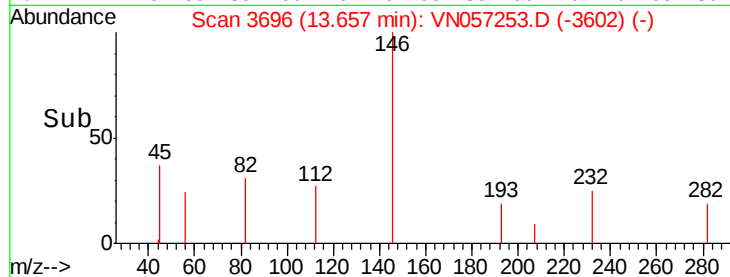
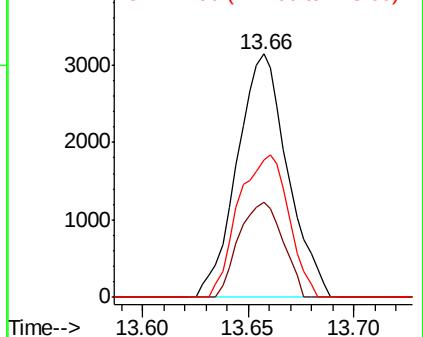
146 100

111 34.1 19.3 57.9

148 58.2 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 3.887 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

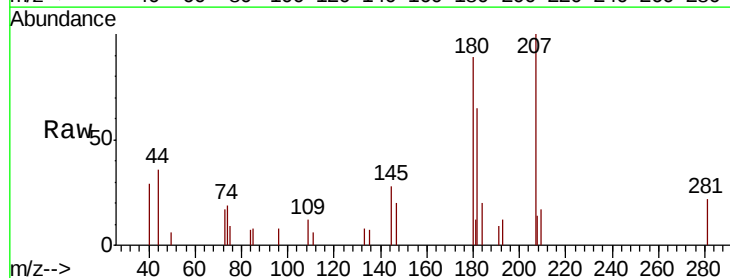
Tgt Ion:180 Resp: 3767

Ion Ratio Lower Upper

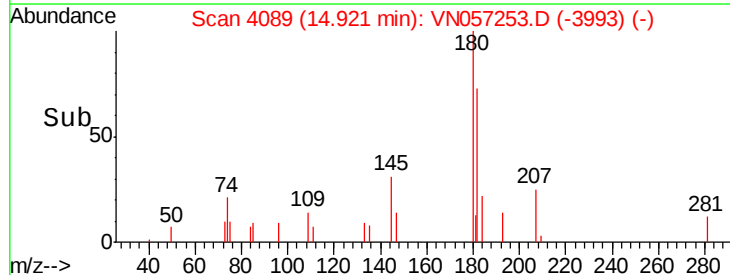
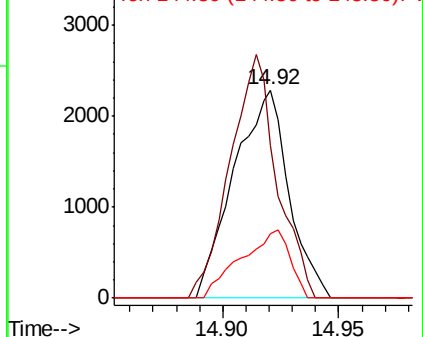
180 100

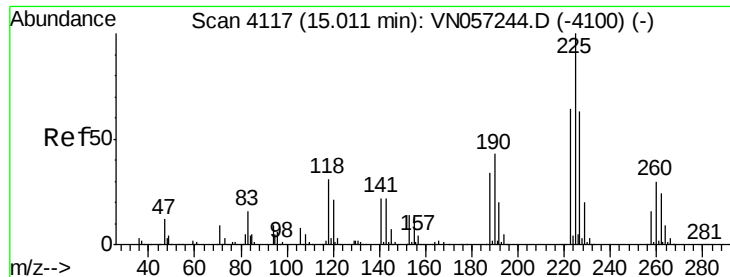
182 99.6 47.7 143.1

145 29.2 14.2 42.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819

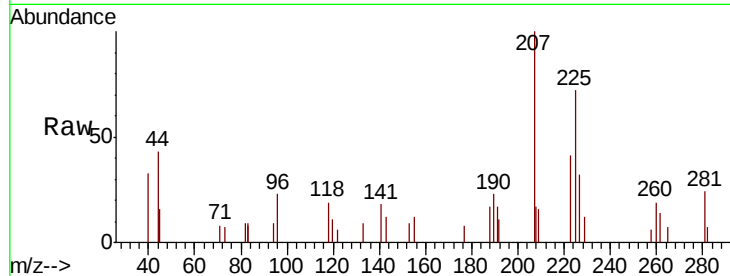
Tgt Ion:225 Resp: 2522

Ion Ratio Lower Upper

225 100

223 54.8 31.4 94.2

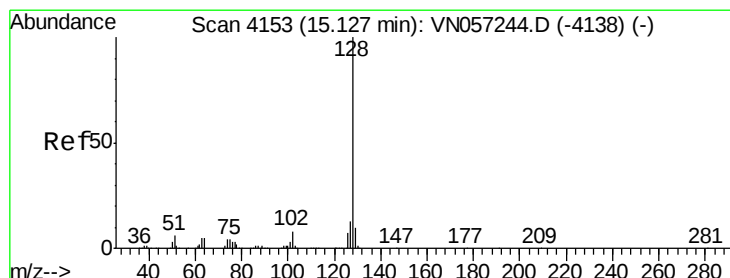
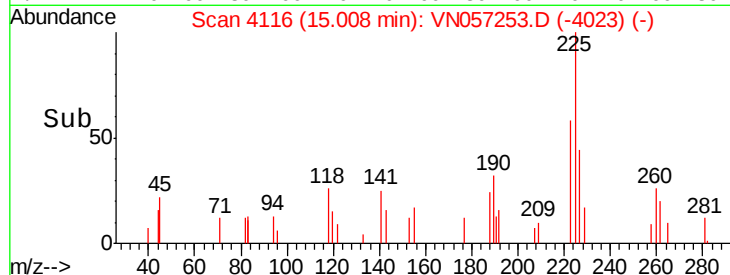
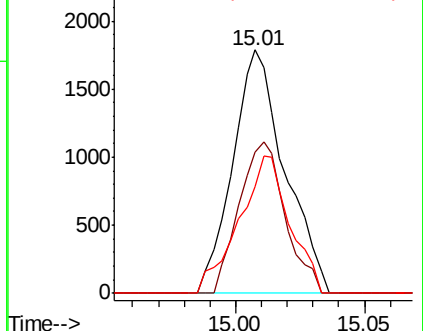
227 54.6 31.4 94.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.266 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

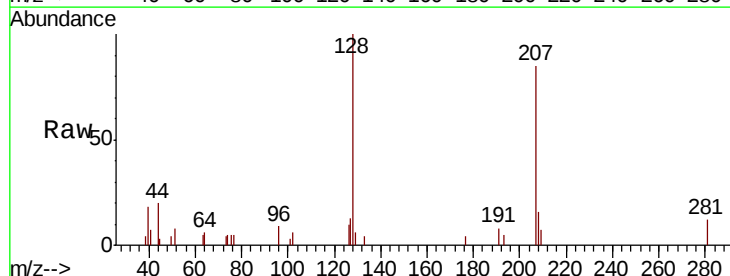
Tgt Ion:128 Resp: 8691

Ion Ratio Lower Upper

128 100

127 7.6 10.4 15.6#

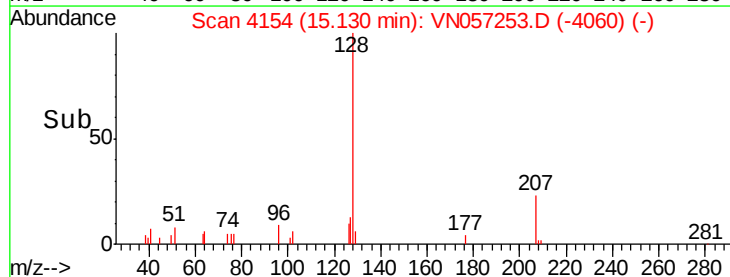
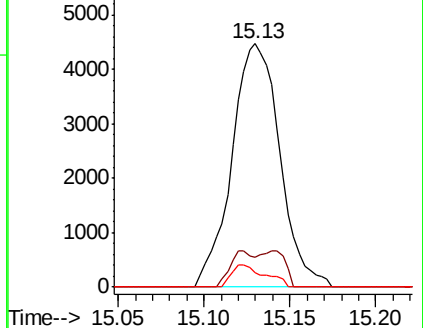
129 6.5 8.5 12.7#

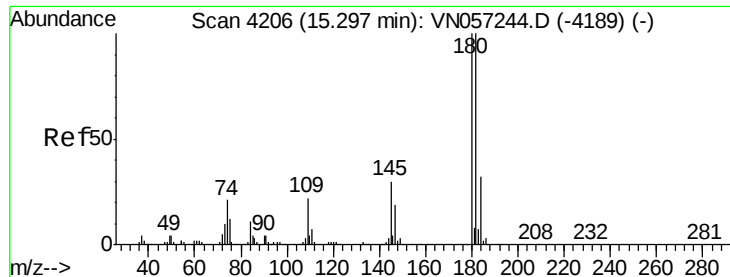


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 5.048 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819

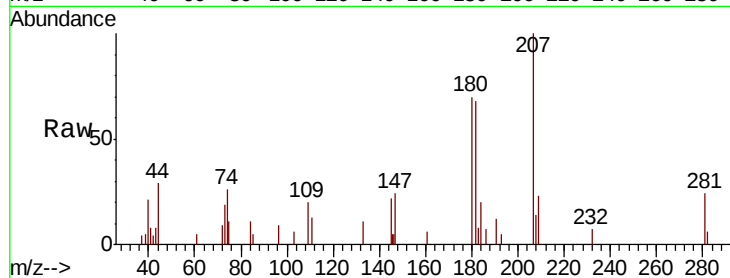
Tgt Ion:180 Resp: 4378

Ion Ratio Lower Upper

180 100

182 101.1 48.9 146.7

145 23.8 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

