

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
 Data File : VN058354.D
 Acq On : 25 Sep 2019 10:24
 Operator : JC/SP
 Sample : K5008-10DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-4DL

Quant Time: Sep 26 01:06:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	464051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	757211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	662343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	306633	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	335563	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
35) Dibromofluoromethane	7.57	113	233412	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
50) Toluene-d8	10.08	98	961297	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	
62) 4-Bromofluorobenzene	12.41	95	330921	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	546	Below Cal		96
5) Bromomethane	2.54	94	116	0.790	ug/l #	4
6) Chloroethane	2.72	64	29	Below Cal	#	44
13) Acrolein	3.76	56	156	1.369	ug/l #	15
14) Allyl chloride	4.51	41	6492	1.058	ug/l #	44
15) Acrylonitrile	5.02	53	2102	1.026	ug/l #	39
16) Acetone	3.80	43	8102	3.693	ug/l	89
17) Carbon Disulfide	4.03	76	447	0.382	ug/l #	74
18) Methyl Acetate	4.32	43	2458	0.426	ug/l #	66
20) Methylene Chloride	4.54	84	261	Below Cal	#	70
31) Cyclohexane	7.64	56	46298	6.506	ug/l #	83
36) 1,1-Dichloropropene	7.65	75	41324	7.568	ug/l #	50
38) Carbon Tetrachloride	7.65	117	47580	8.668	ug/l #	15
39) Methylcyclohexane	9.07	83	117816	22.354	ug/l	98
41) Methacrylonitrile	7.17	41	253	0.998	ug/l #	100
43) Isopropyl Acetate	8.13	43	9996	0.944	ug/l #	57
47) Bromodichloromethane	9.37	83	2493	0.393	ug/l #	26
48) Methyl methacrylate	9.13	41	5423	1.129	ug/l #	33
51) 4-Methyl-2-Pentanone	10.08	43	9159	1.629	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	30604	6.598	ug/l #	18
56) Ethyl methacrylate	10.43	69	4843	0.724	ug/l #	1
67) Ethyl Benzene	11.51	91	486555	24.374	ug/l	100
68) m/p-Xylenes	11.62	106	178493	23.741	ug/l	96
71) Bromoform	12.40	173	693	3.800	ug/l #	1
73) Isopropylbenzene	12.25	105	297111	15.480	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	1501	0.234	ug/l #	26
76) 1,2,3-Trichloropropane	12.60	75	6326	1.153	ug/l #	100
78) n-propylbenzene	12.60	91	911650	41.799	ug/l	98
79) 2-Chlorotoluene	12.69	91	115961	8.507	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.74	105	855167	52.690	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.41	75	180438	92.327	ug/l #	5
82) 4-Chlorotoluene	12.74	91	92596	6.462	ug/l #	43
83) tert-Butylbenzene	13.05	119	384658	26.576	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.05	105	2974289	184.148	ug/l	94

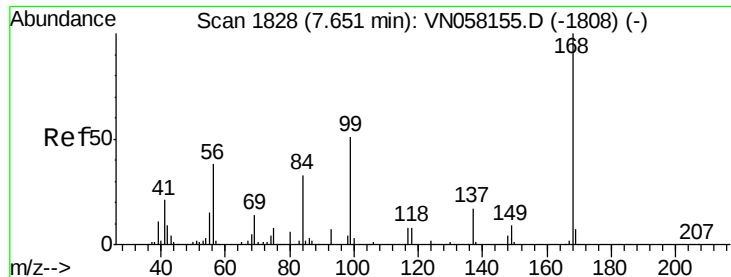
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
Data File : VN058354.D
Acq On : 25 Sep 2019 10:24
Operator : JC/SP
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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.05	105	2974289	157.147	ug/l #	58
86) p-Isopropyltoluene	13.30	119	72019	4.280	ug/l	97
89) n-Butylbenzene	13.62	91	103438	6.484	ug/l #	68
90) Hexachloroethane	13.90	117	69526	25.056	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.26	75	4565	3.945	ug/l #	6
95) Naphthalene	15.14	128	423419	28.909	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

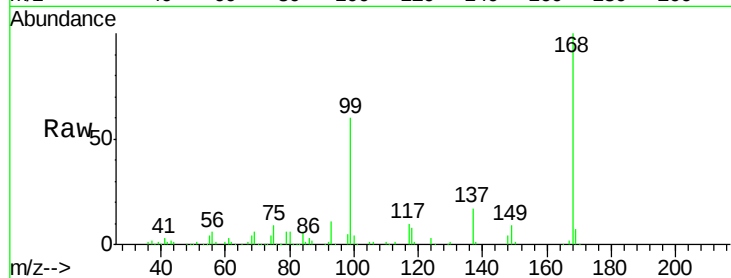
TWP-4DL

Tot Ion:168 Resp: 464051

Ion Ratio Lower Upper

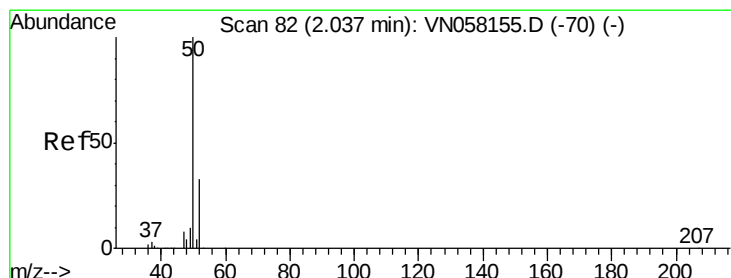
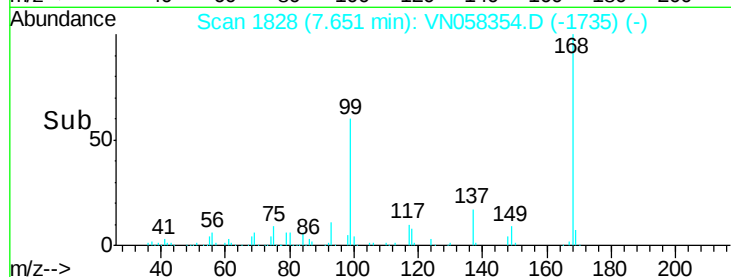
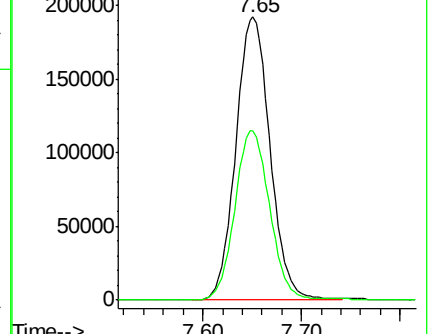
168 100

99 59.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058354.D

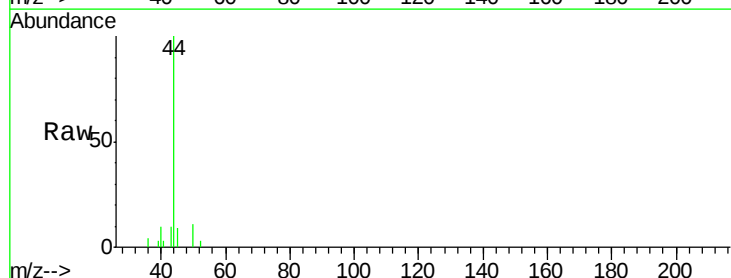
Acq: 25 Sep 2019 10:24

Tgt Ion: 50 Resp: 546

Ion Ratio Lower Upper

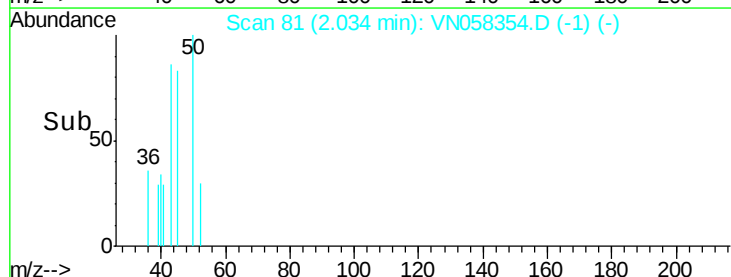
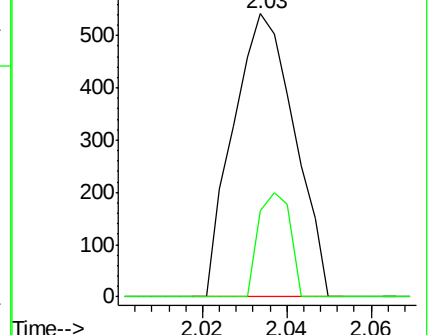
50 100

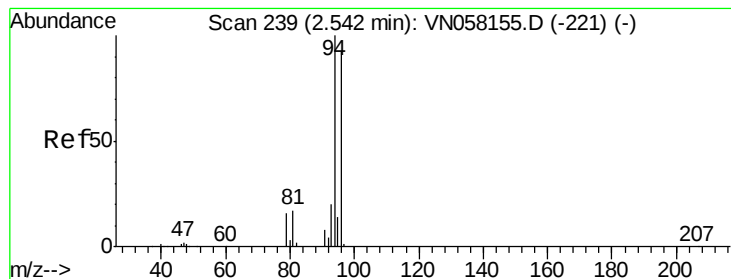
52 30.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 0.790 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

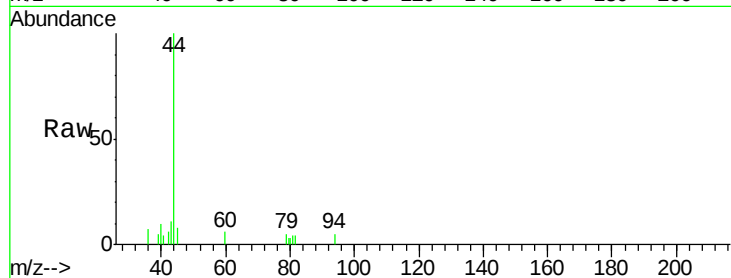
TWP-4DL

Tot Ion: 94 Resp: 116

Ion Ratio Lower Upper

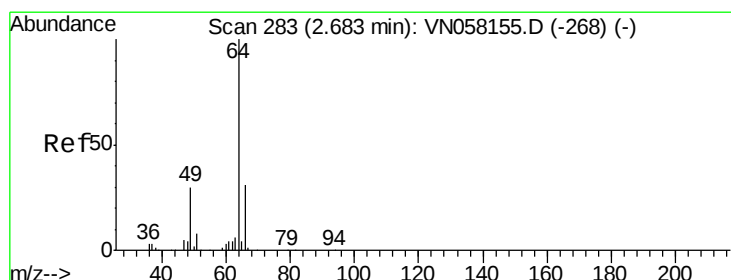
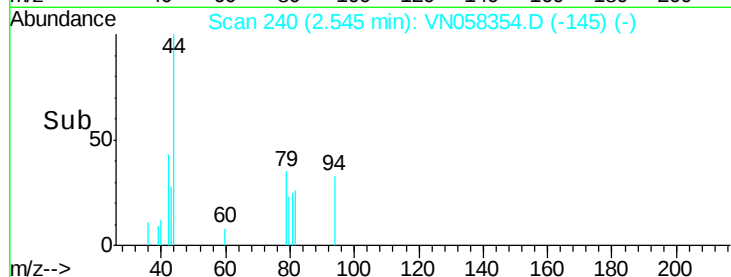
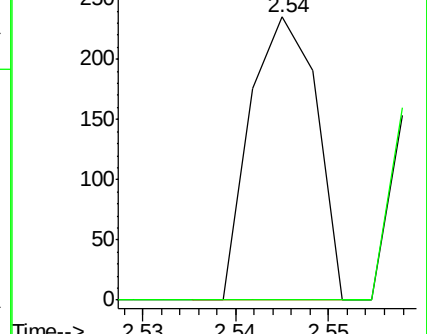
94 100

96 0.0 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: Below Cal

RT: 2.72 min Scan# 293

Delta R.T. 0.03 min

Lab File: VN058354.D

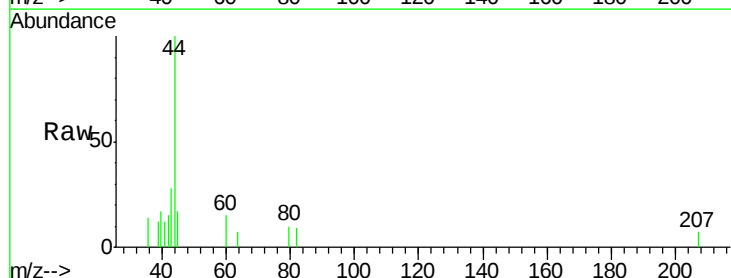
Acq: 25 Sep 2019 10:24

Tgt Ion: 64 Resp: 29

Ion Ratio Lower Upper

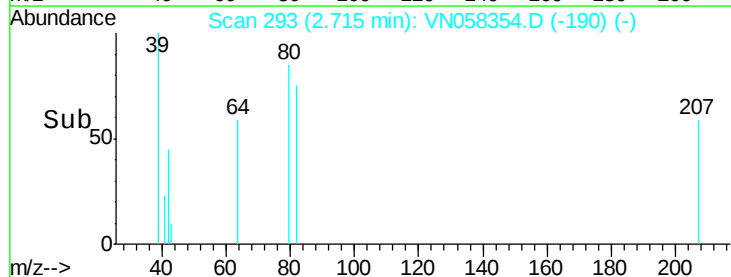
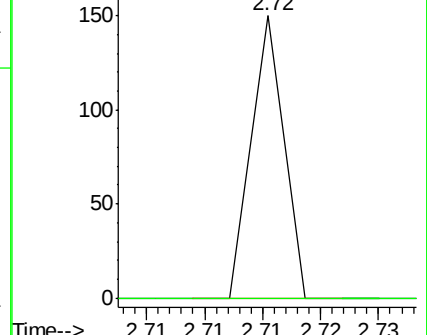
64 100

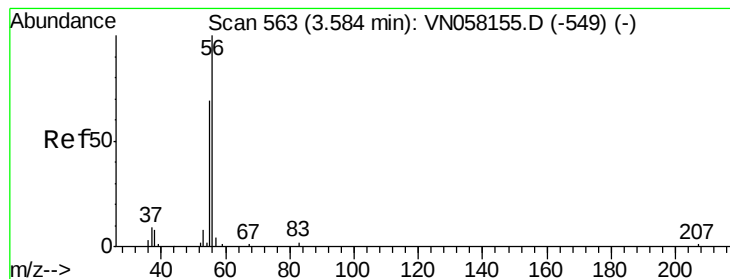
66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#13

Acrolein

Concen: 1.369 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.17 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

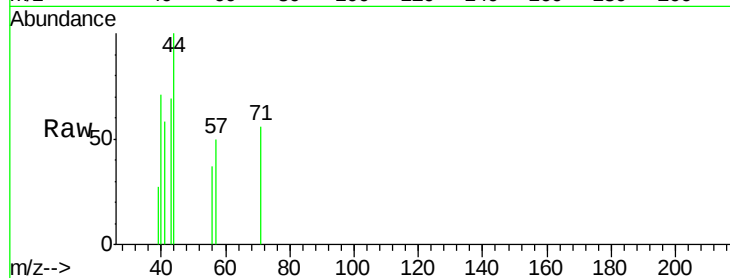
TWP-4DL

Tot Ion: 56 Resp: 156

Ion Ratio Lower Upper

56 100

55 0.0 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

300

250

200

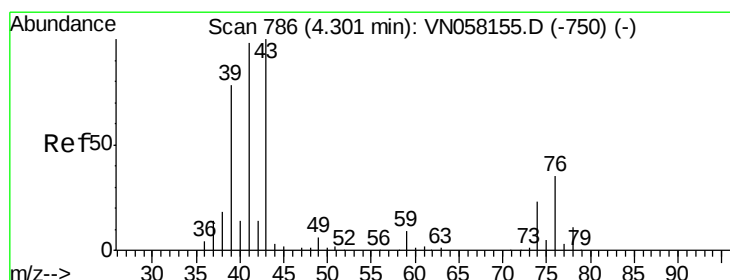
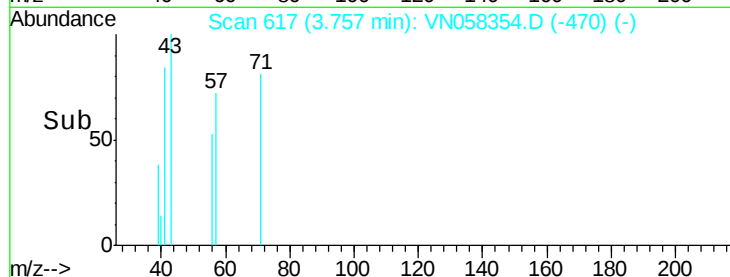
150

100

50

0

Time--> 3.74 3.75 3.76



#14

Allyl chloride

Concen: 1.058 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.21 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

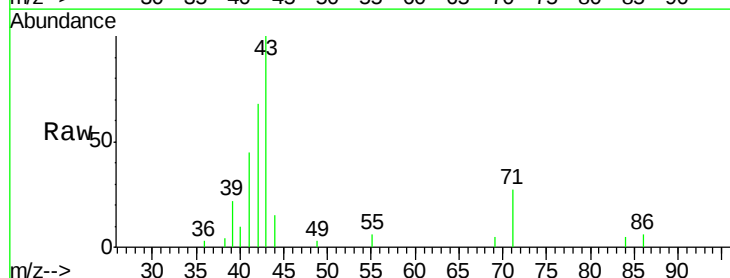
Tgt Ion: 41 Resp: 6492

Ion Ratio Lower Upper

41 100

39 26.5 59.1 88.7#

76 0.0 25.1 37.7#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

10000

8000

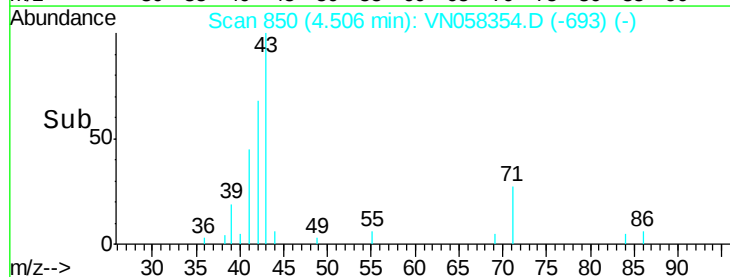
6000

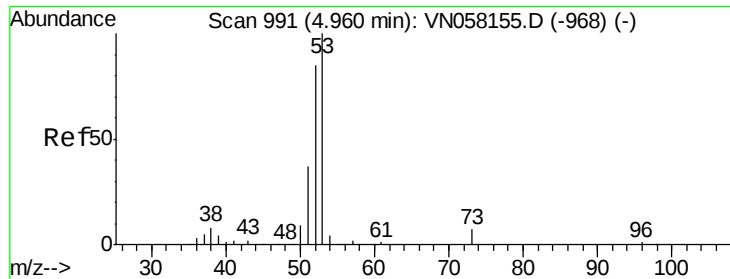
4000

2000

0

Time--> 4.45 4.50 4.55





#15

Acrylonitrile

Concen: 1.026 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.06 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

TWP-4DL

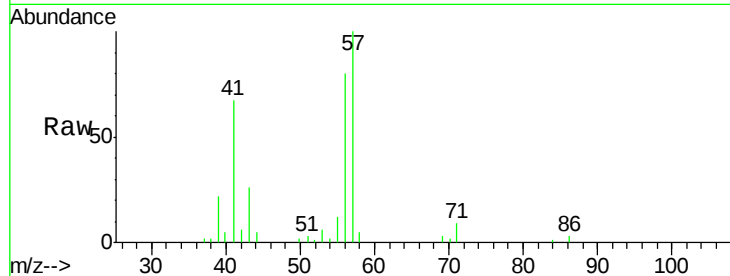
Tot Ion: 53 Resp: 2102

Ion Ratio Lower Upper

53 100

52 13.4 66.6 100.0#

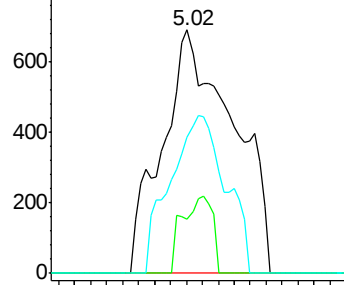
51 50.6 29.7 44.5#



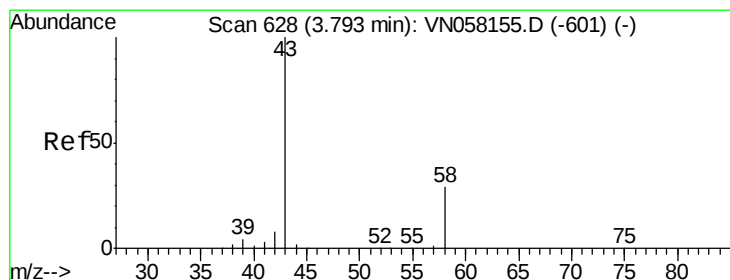
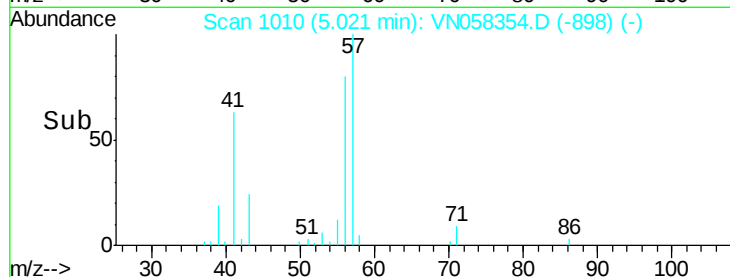
Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->



#16

Acetone

Concen: 3.693 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058354.D

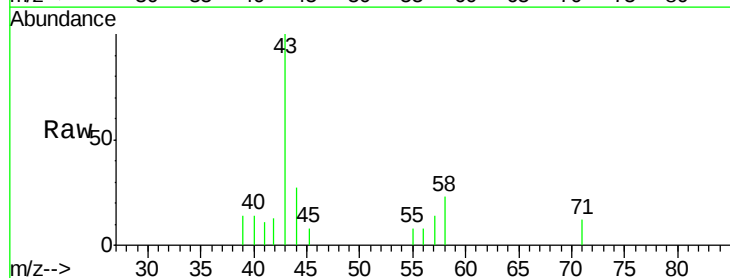
Acq: 25 Sep 2019 10:24

Tgt Ion: 43 Resp: 8102

Ion Ratio Lower Upper

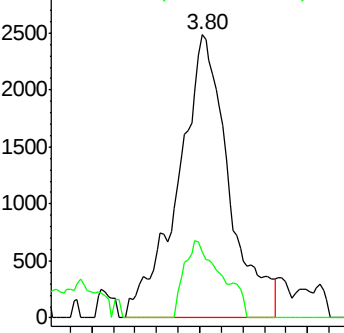
43 100

58 23.5 23.4 35.2

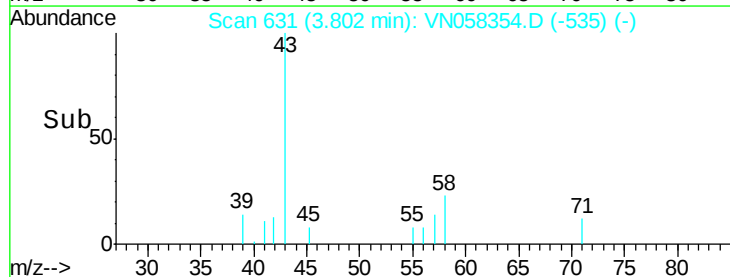


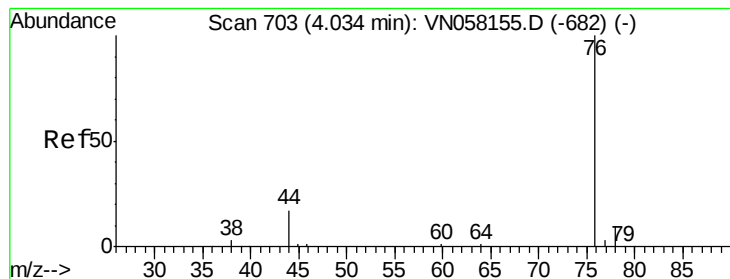
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#17

Carbon Disulfide

Concen: 0.382 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.01 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

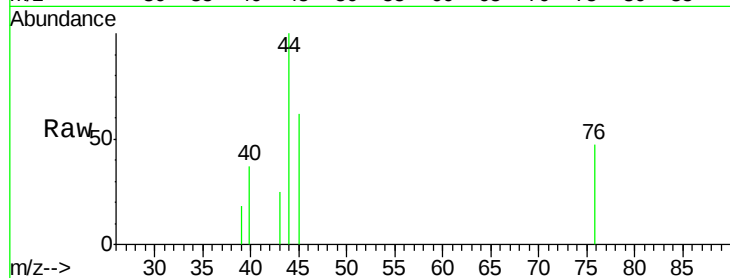
TWP-4DL

Tot Ion: 76 Resp: 447

Ion Ratio Lower Upper

76 100

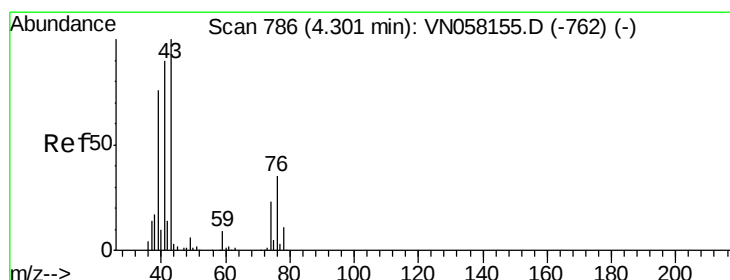
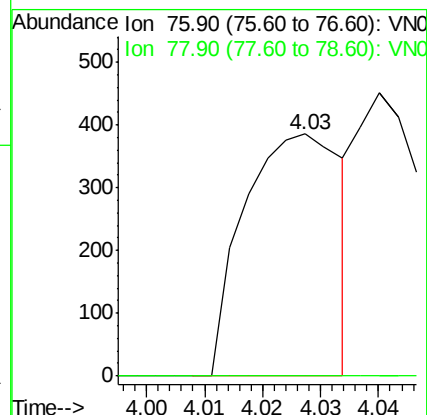
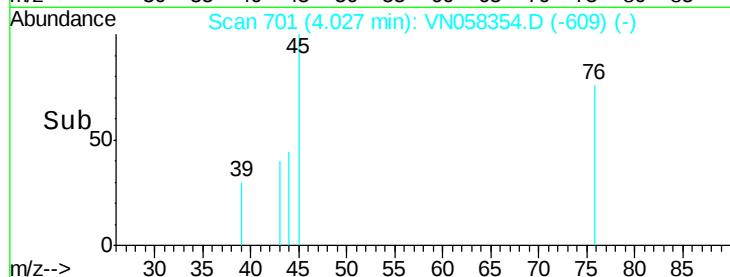
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

Time-->



#18

Methyl Acetate

Concen: 0.426 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.02 min

Lab File: VN058354.D

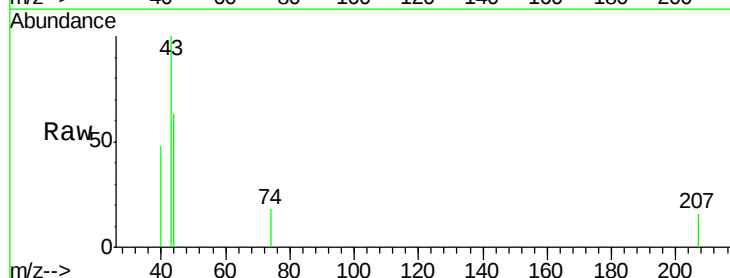
Acq: 25 Sep 2019 10:24

Tgt Ion: 43 Resp: 2458

Ion Ratio Lower Upper

43 100

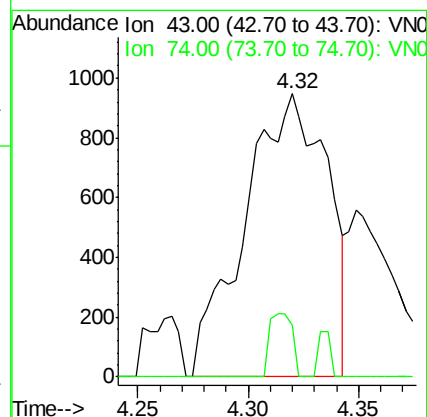
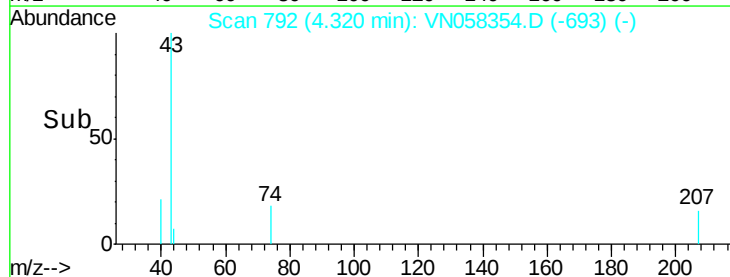
74 6.2 18.0 27.0#

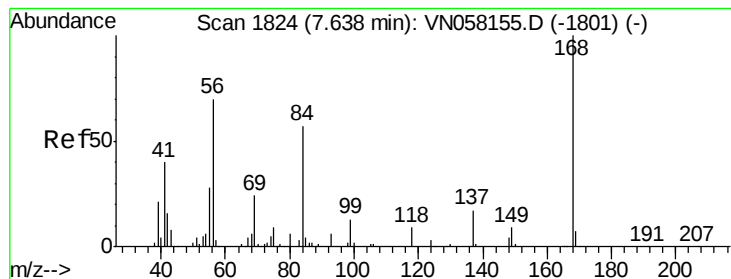


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

Time-->





#31

Cyclohexane

Concen: 6.506 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

TWP-4DL

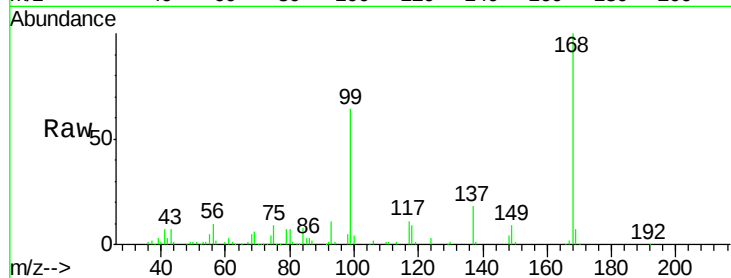
Tot Ion: 56 Resp: 46298

Ion Ratio Lower Upper

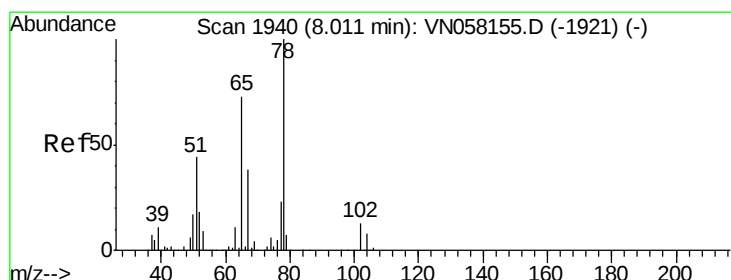
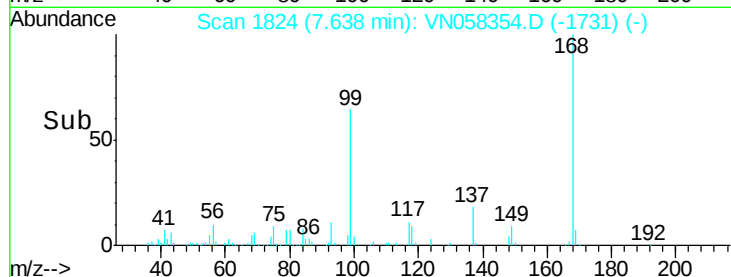
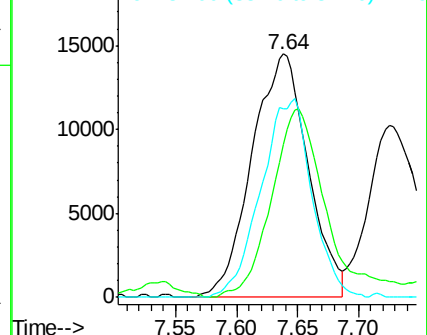
56 100

69 61.0 27.3 40.9#

84 77.6 65.0 97.4



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: 51.918 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058354.D

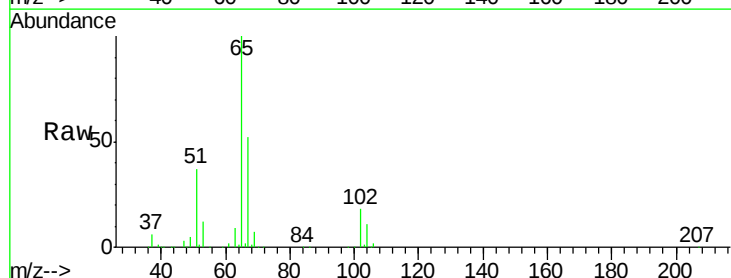
Acq: 25 Sep 2019 10:24

Tgt Ion: 65 Resp: 335563

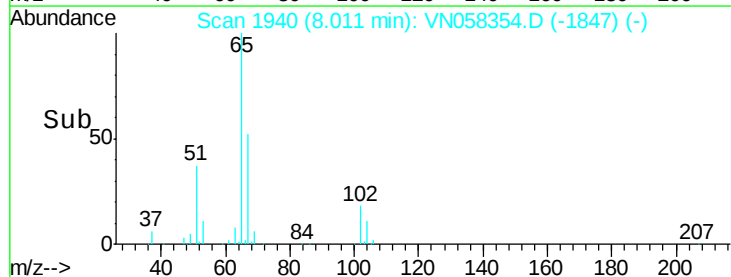
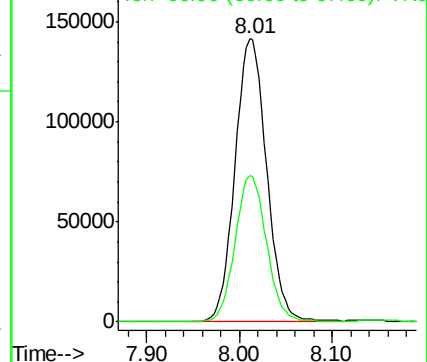
Ion Ratio Lower Upper

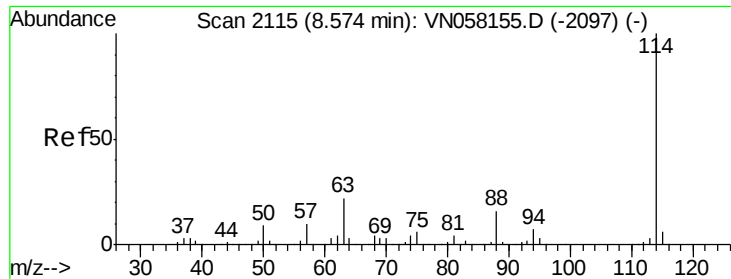
65 100

67 51.3 0.0 103.4



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

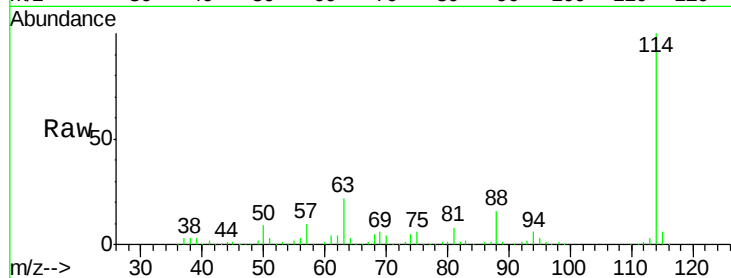




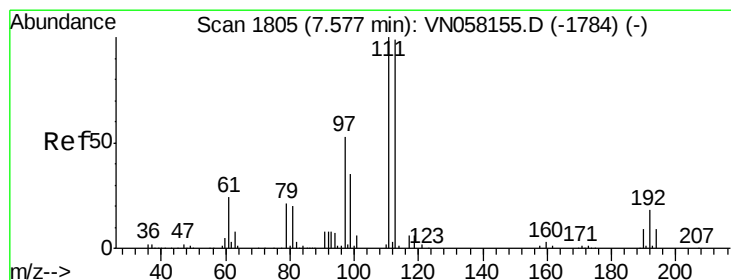
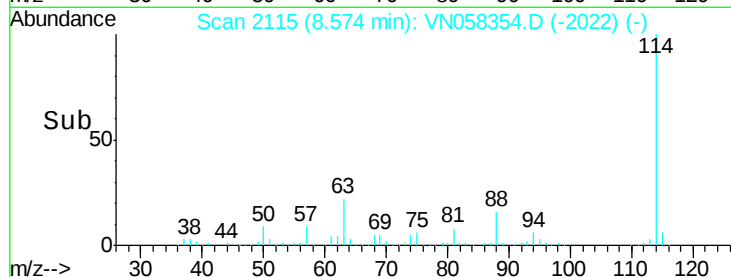
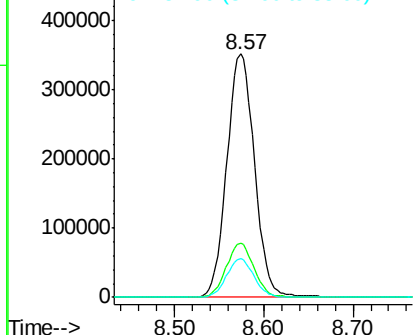
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
TWP-4DL

Tot Ion:114 Resp: 757211
Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.2
88 15.9 0.0 31.6

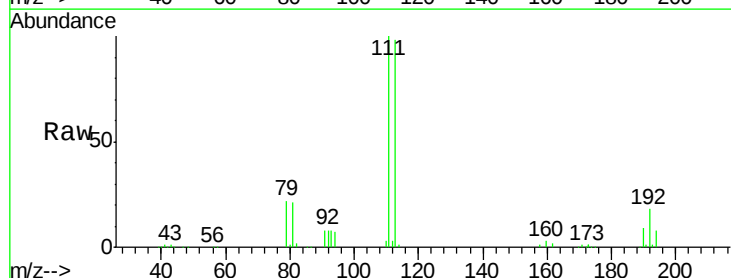


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

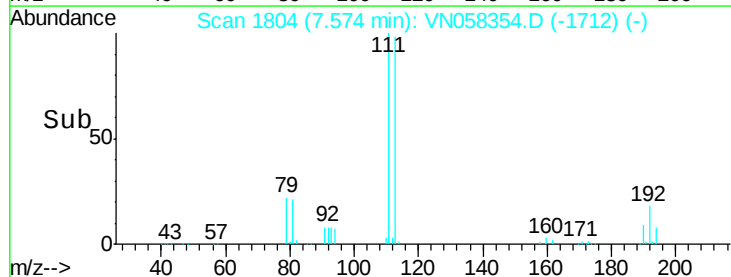
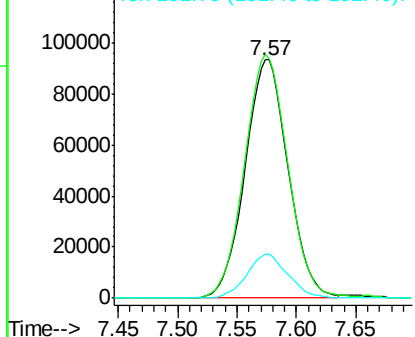


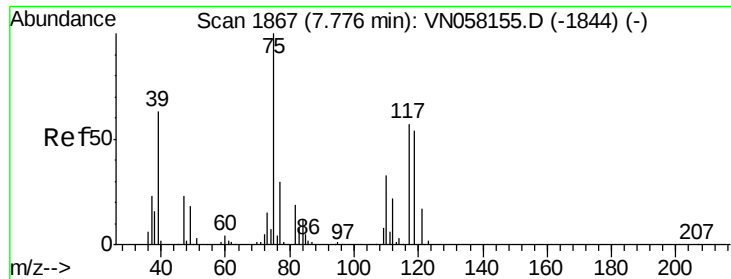
#35
Dibromofluoromethane
Concen: 50.706 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

Tgt Ion:113 Resp: 233412
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.6
192 17.8 14.5 21.7



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: 7.568 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

TWP-4DL

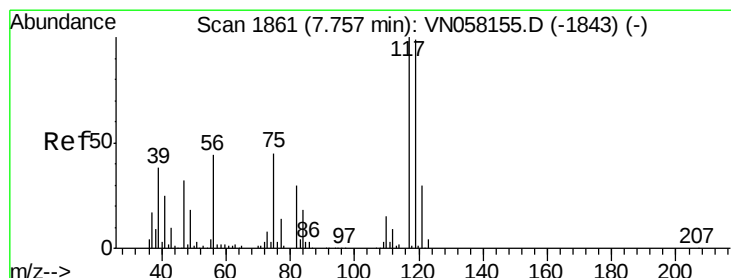
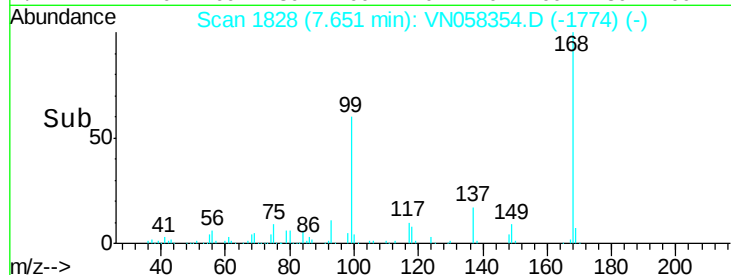
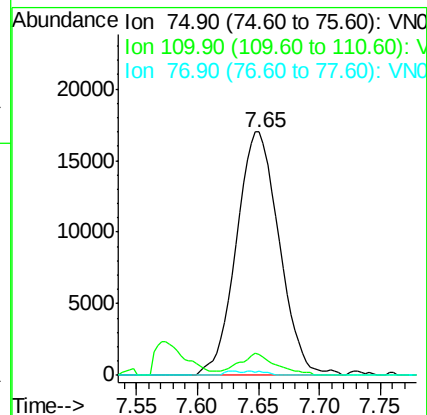
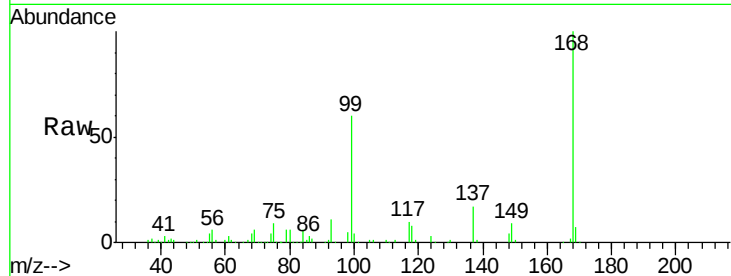
Tot Ion: 75 Resp: 41324

Ion Ratio Lower Upper

75 100

110 8.0 16.6 49.7#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 8.668 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

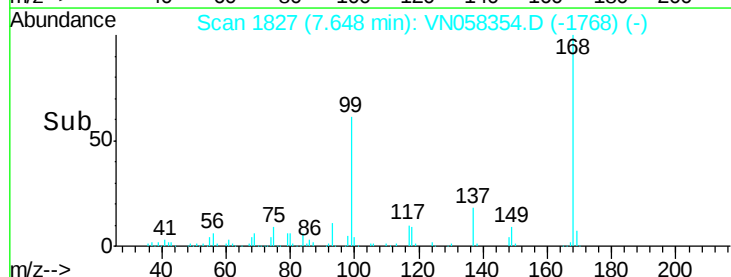
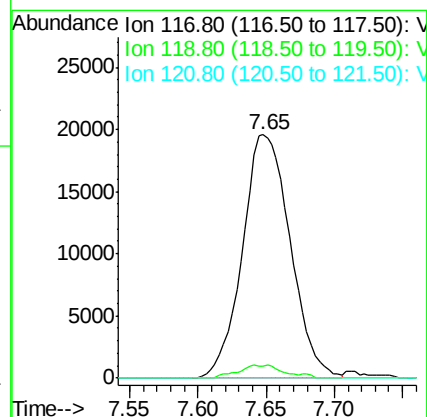
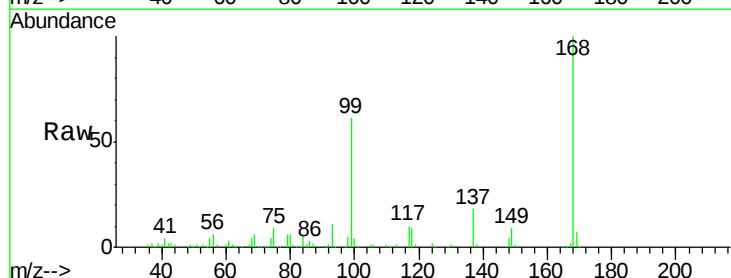
Tgt Ion: 117 Resp: 47580

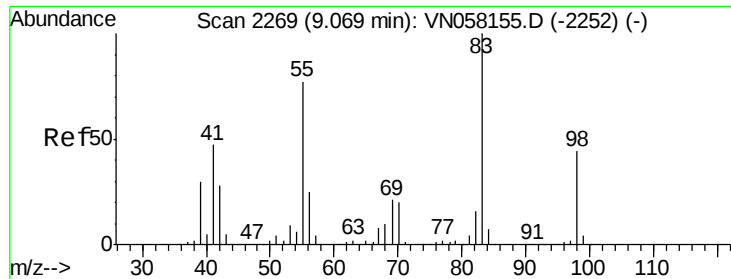
Ion Ratio Lower Upper

117 100

119 5.1 78.6 117.8#

121 0.0 24.1 36.1#

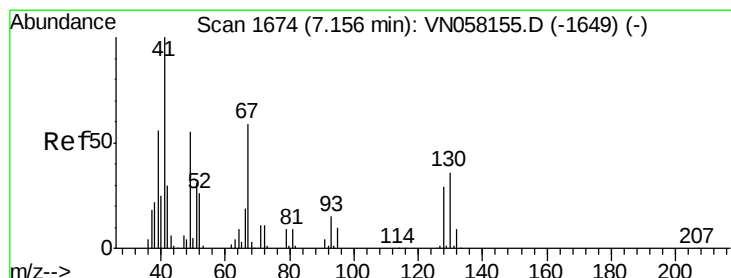
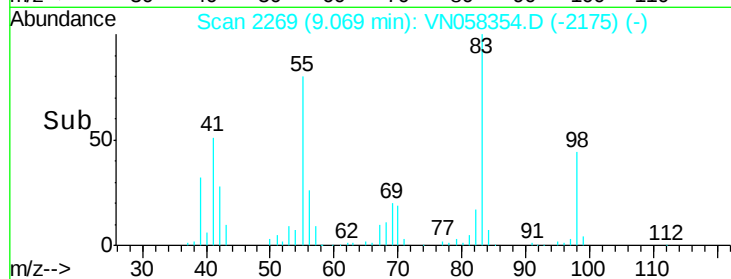
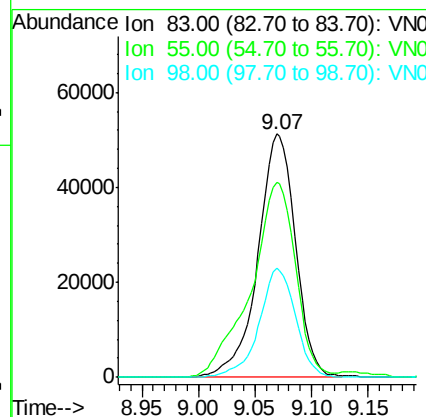
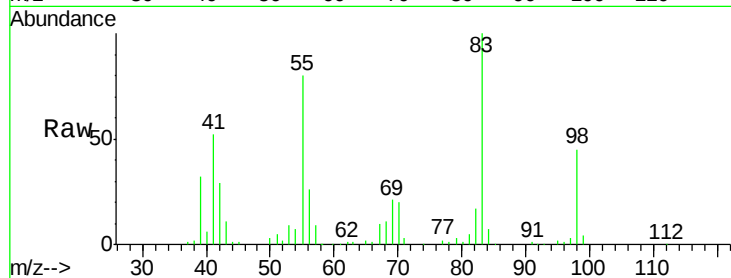




#39
Methylcyclohexane
Concen: 22.354 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

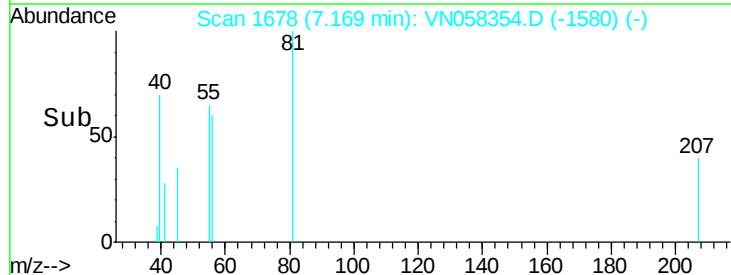
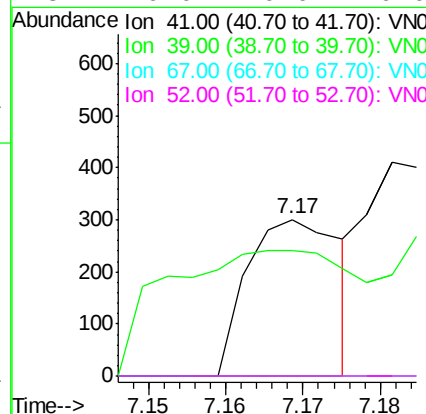
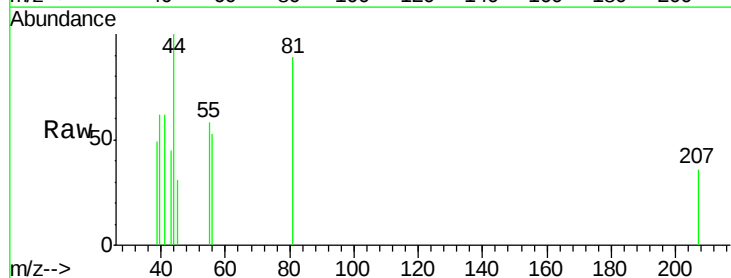
Instrument :
MSVOA_N
ClientSampleId :
TWP-4DL

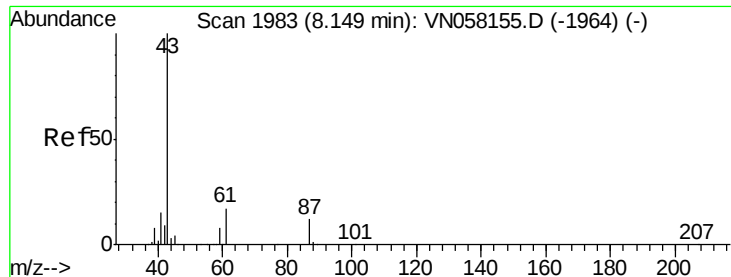
Tot Ion: 83 Resp: 117816
Ion Ratio Lower Upper
83 100
55 79.7 61.9 92.9
98 44.8 35.4 53.2



#41
Methacrylonitrile
Concen: 0.998 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

Tgt Ion: 41 Resp: 253
Ion Ratio Lower Upper
41 100
39 160.1 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0





#43

Isopropyl Acetate

Concen: 0.944 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. -0.02 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

TWP-4DL

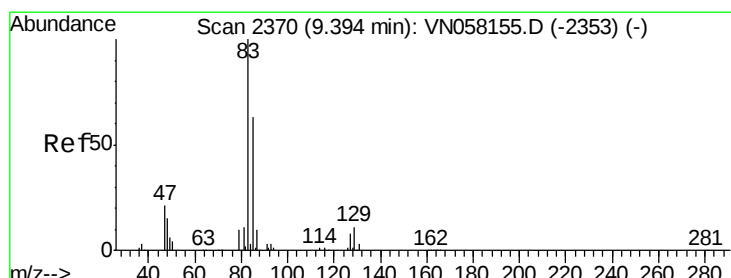
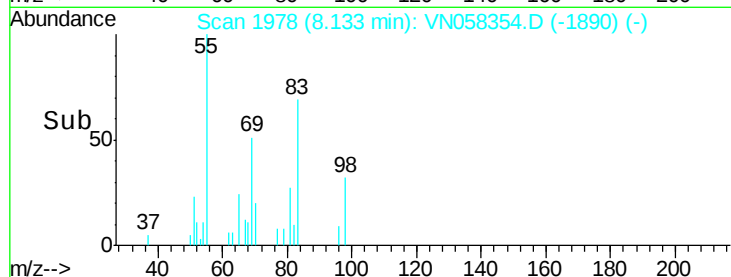
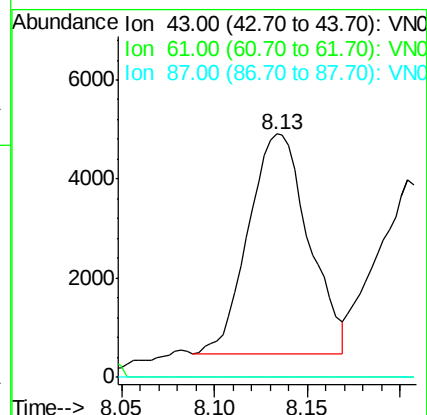
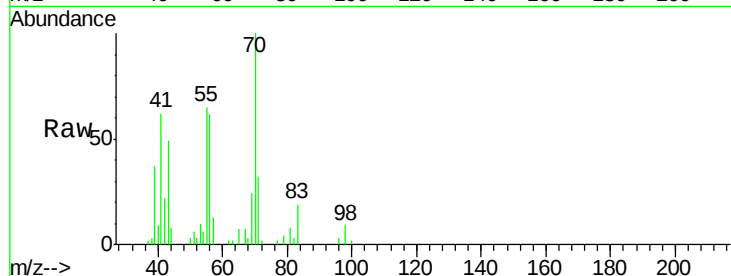
Tot Ion: 43 Resp: 9996

Ion Ratio Lower Upper

43 100

61 0.0 19.7 29.5#

87 0.0 9.4 14.2#



#47

Bromodichloromethane

Concen: 0.393 ug/l

RT: 9.37 min Scan# 2364

Delta R.T. -0.02 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

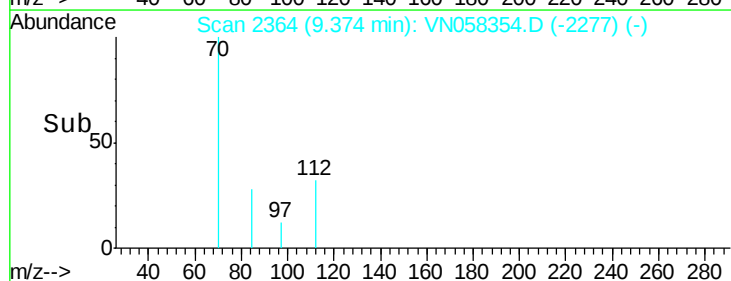
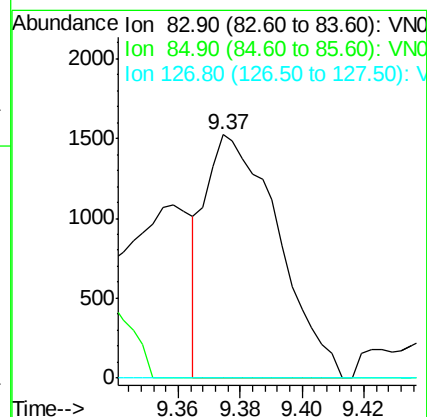
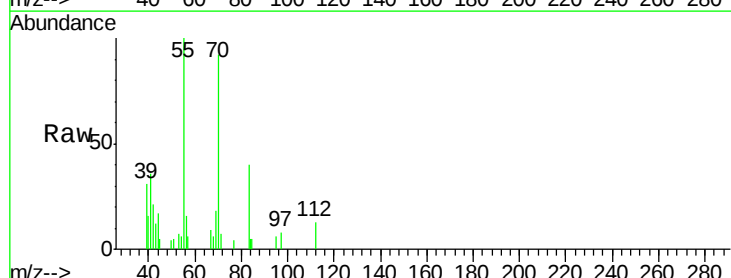
Tgt Ion: 83 Resp: 2493

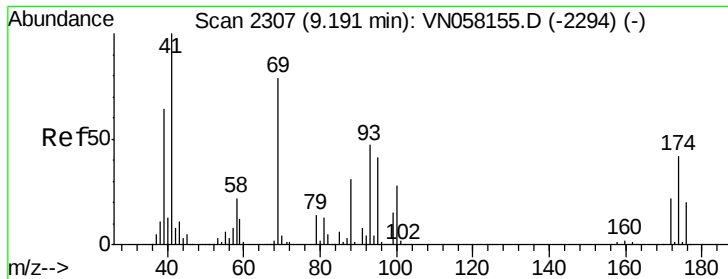
Ion Ratio Lower Upper

83 100

85 0.0 50.1 75.1#

127 0.0 6.4 9.6#

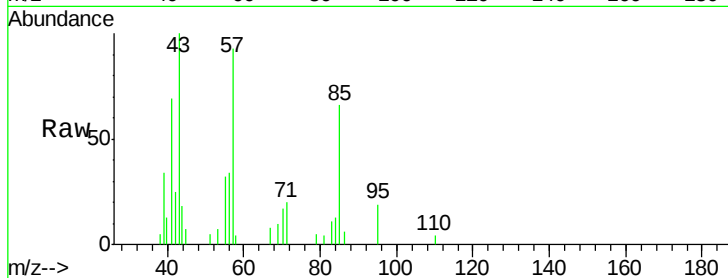




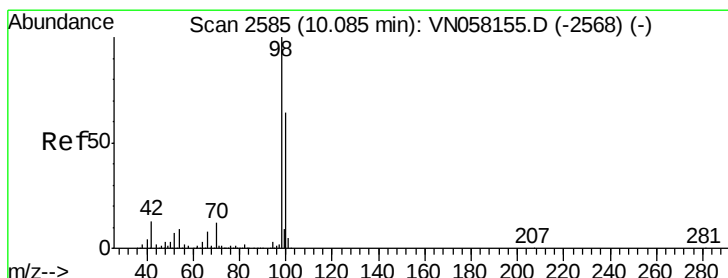
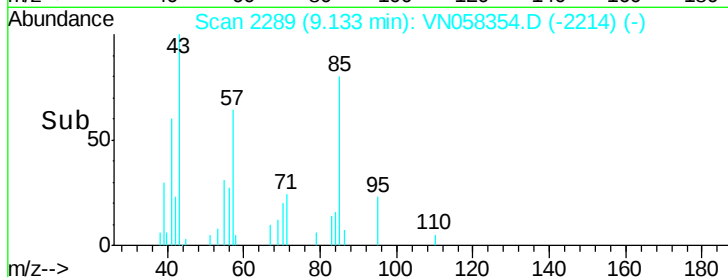
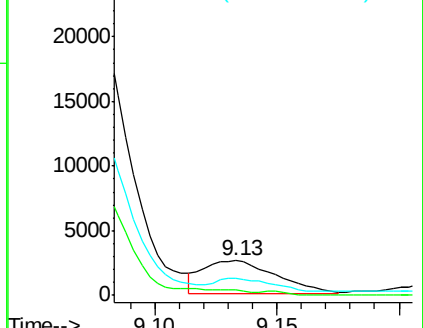
#48
Methyl methacrylate
Concen: 1.129 ug/l
RT: 9.13 min Scan# 2289
Delta R.T. -0.06 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
TWP-4DL

Tot Ion: 41 Resp: 5423
Ion Ratio Lower Upper
41 100
69 0.0 62.5 93.7#
39 33.9 52.3 78.5#

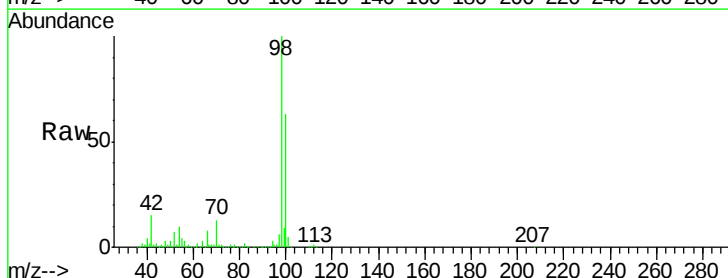


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

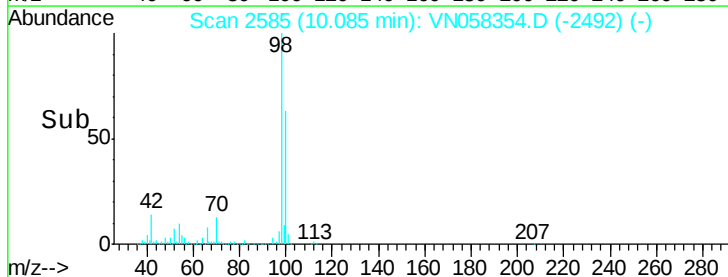
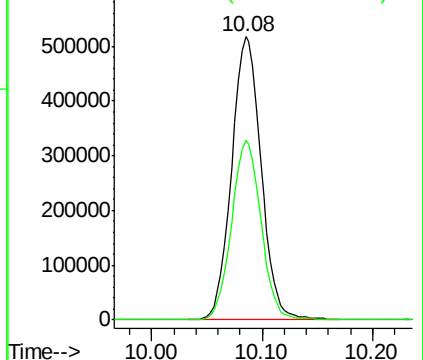


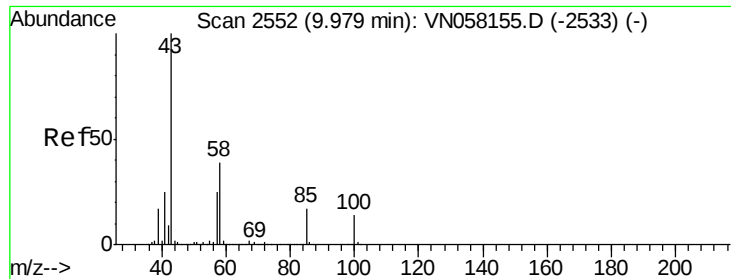
#50
Toluene-d8
Concen: 53.599 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

Tgt Ion: 98 Resp: 961297
Ion Ratio Lower Upper
98 100
100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

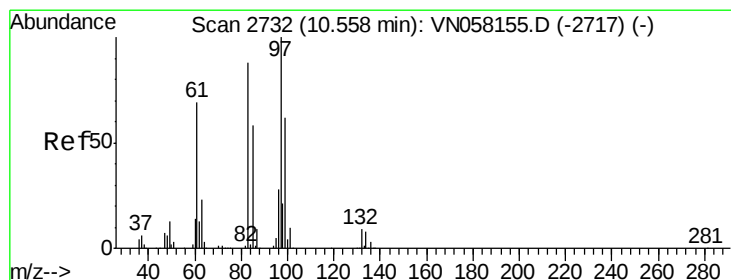
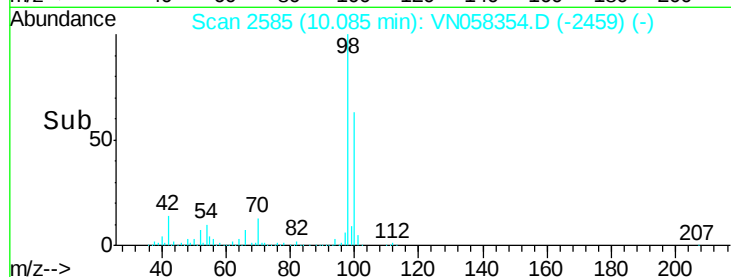
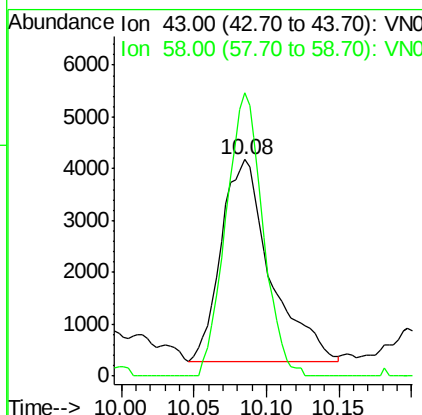
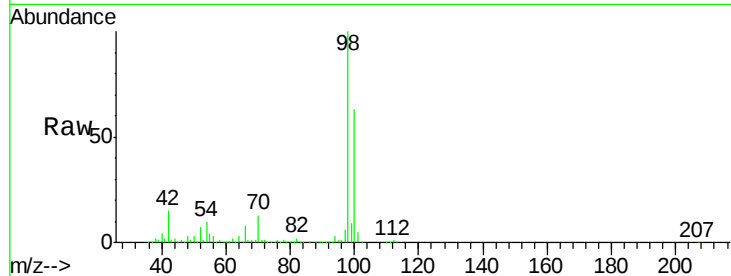




#51
 4-Methyl-2-Pentanone
 Concen: 1.629 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. 0.11 min
 Lab File: VN058354.D
 Acq: 25 Sep 2019 10:24

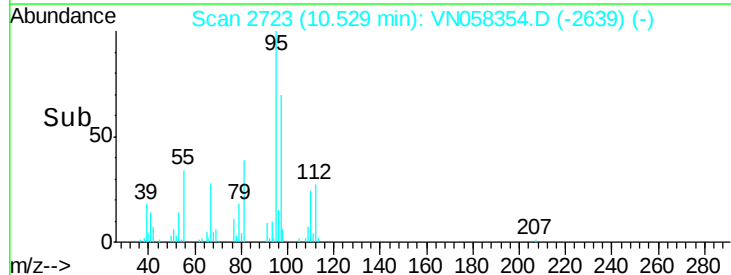
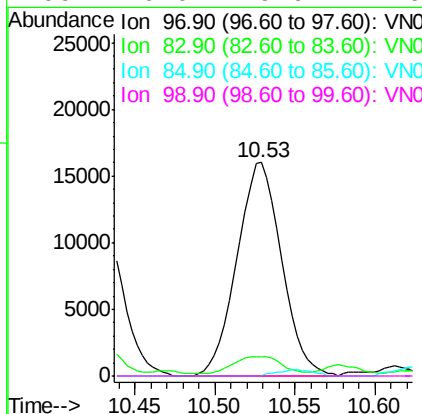
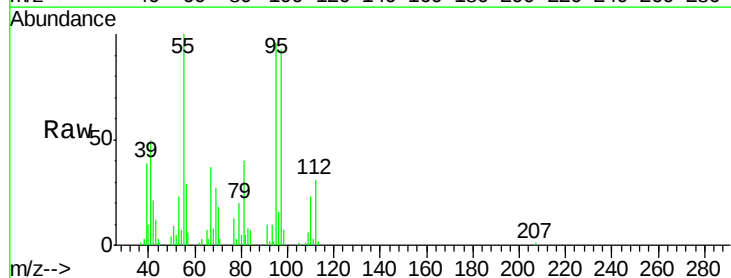
Instrument :
 MSVOA_N
 ClientSampled :
 TWP-4DL

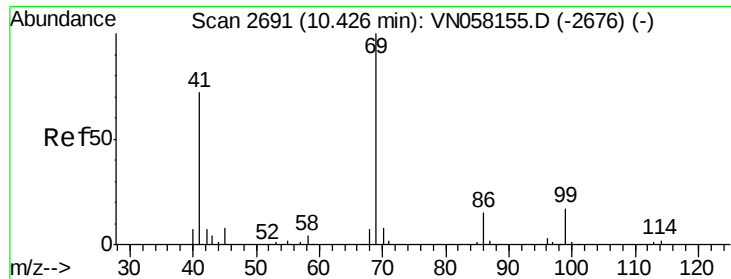
Tot Ion: 43 Resp: 9159
 Ion Ratio Lower Upper
 43 100
 58 105.1 30.2 45.4#



#55
 1,1,2-Trichloroethane
 Concen: 6.598 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.03 min
 Lab File: VN058354.D
 Acq: 25 Sep 2019 10:24

Tgt Ion: 97 Resp: 30604
 Ion Ratio Lower Upper
 97 100
 83 7.6 70.4 105.6#
 85 0.0 46.8 70.2#
 99 0.0 49.9 74.9#

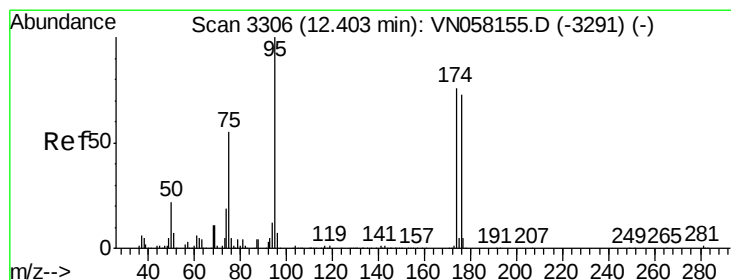
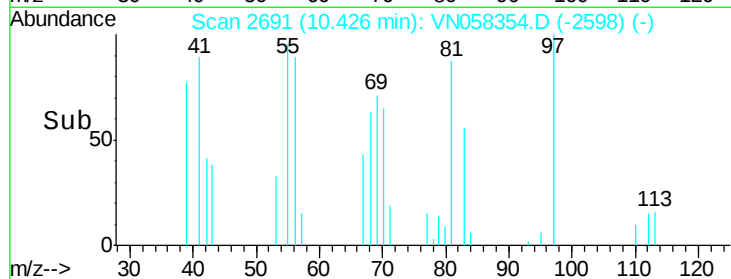
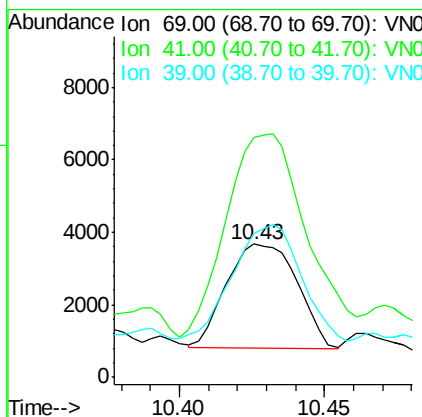
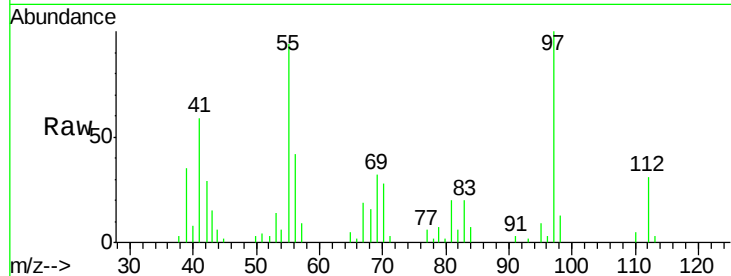




#56
Ethyl methacrylate
Concen: 0.724 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

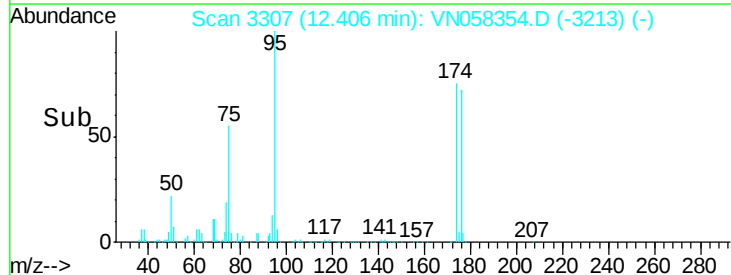
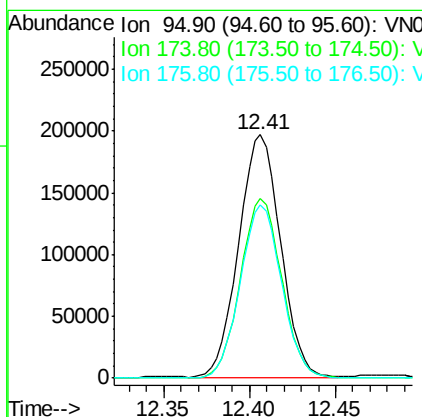
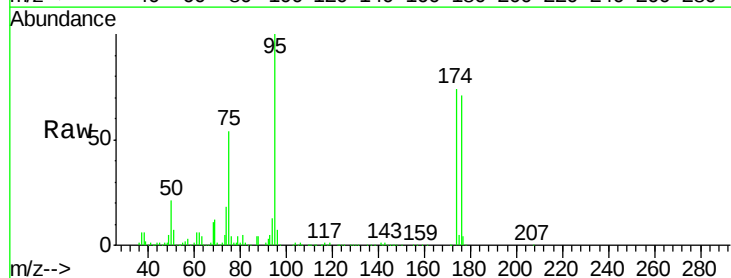
Instrument :
MSVOA_N
ClientSampled :
TWP-4DL

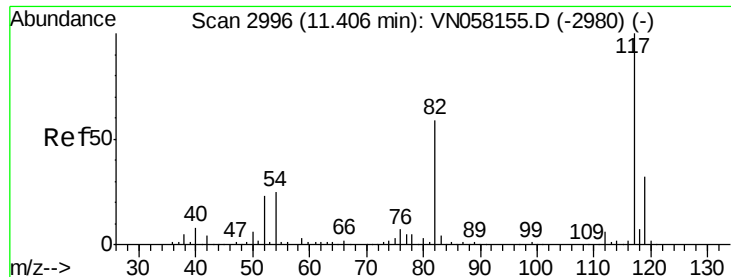
Tot Ion: 69 Resp: 4843
Ion Ratio Lower Upper
69 100
41 221.2 57.5 86.3#
39 107.9 36.1 54.1#



#62
4-Bromofluorobenzene
Concen: 49.671 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

Tgt Ion: 95 Resp: 330921
Ion Ratio Lower Upper
95 100
174 73.3 0.0 152.2
176 70.8 0.0 148.0

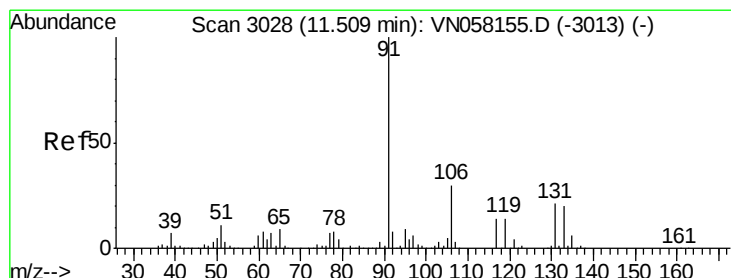
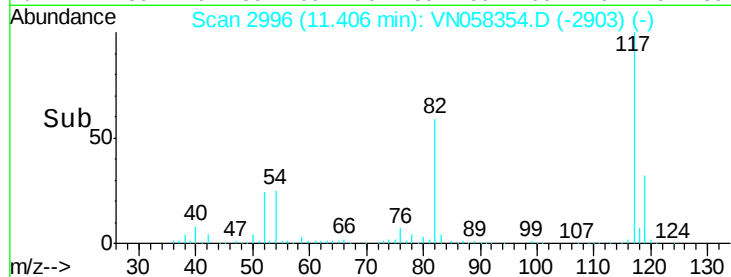
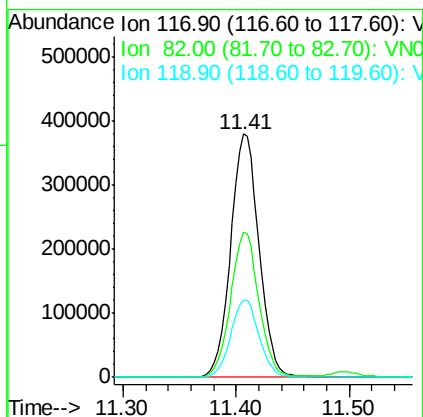
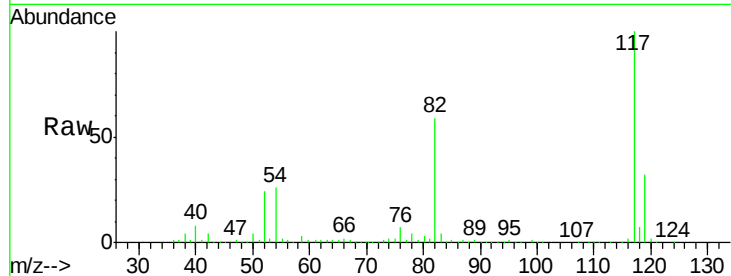




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

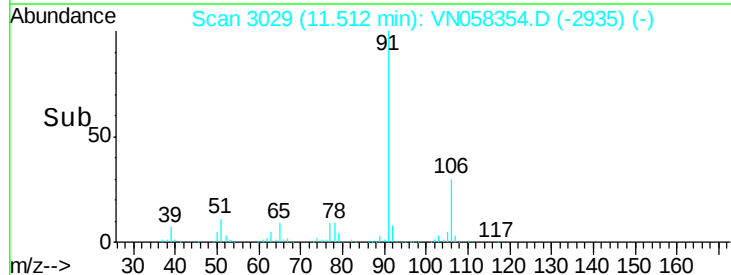
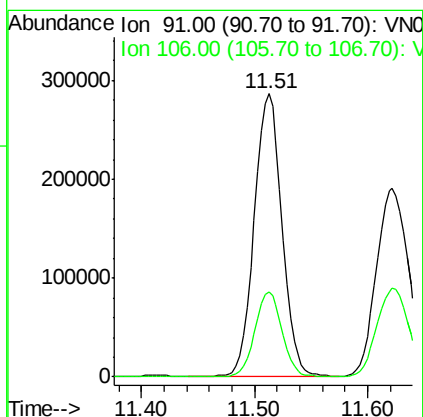
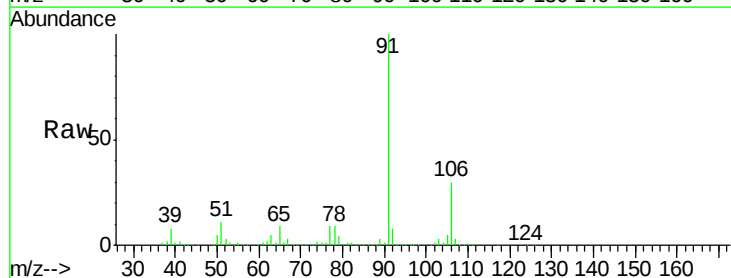
Instrument :
MSVOA_N
ClientSampled :
TWP-4DL

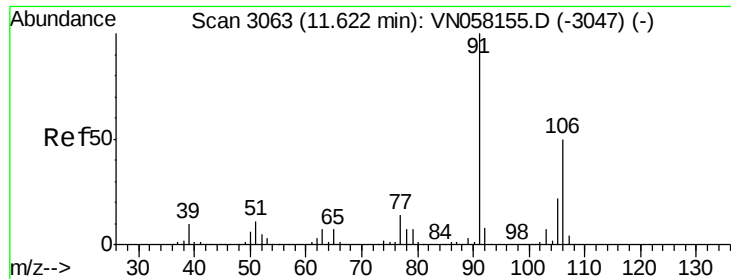
Tot Ion:117 Resp: 662343
Ion Ratio Lower Upper
117 100
82 59.2 46.9 70.3
119 31.9 25.3 37.9



#67
Ethyl Benzene
Concen: 24.374 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

Tgt Ion: 91 Resp: 486555
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0

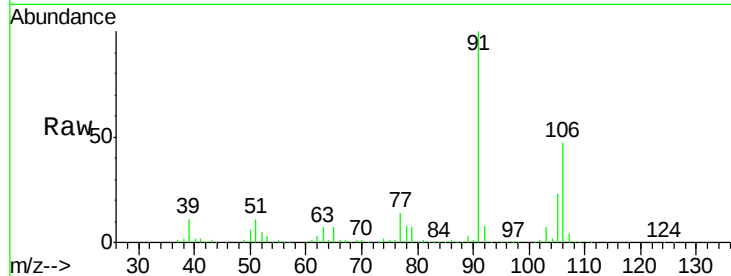




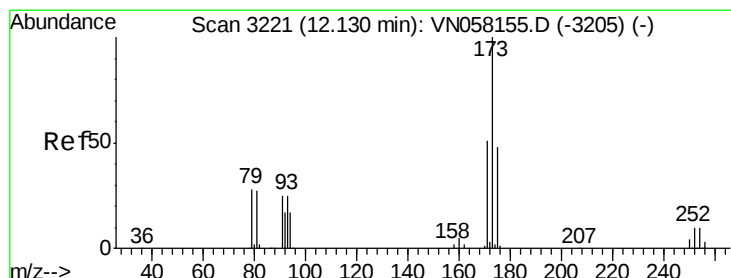
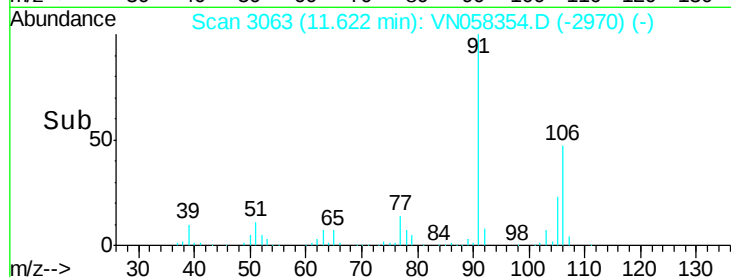
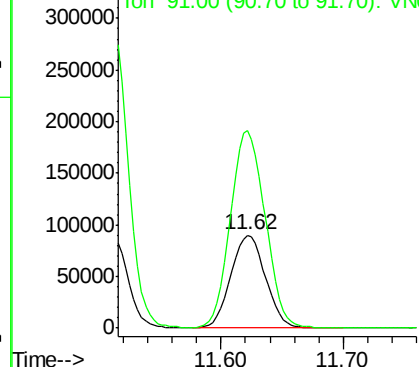
#68
m/p-Xvlenes
Concen: 23.741 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
TWP-4DL

Tot Ion:106 Resp: 178493
Ion Ratio Lower Upper
106 100
91 211.2 163.6 245.4

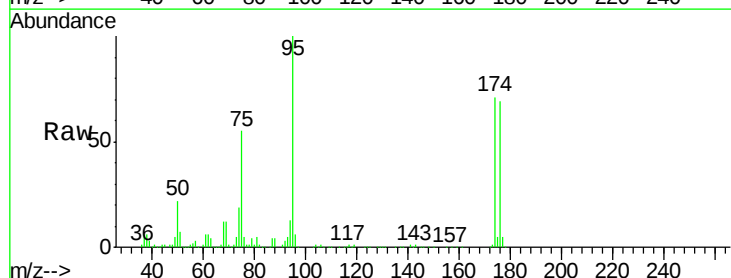


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

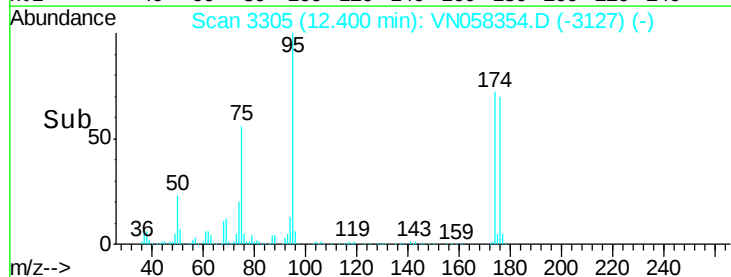
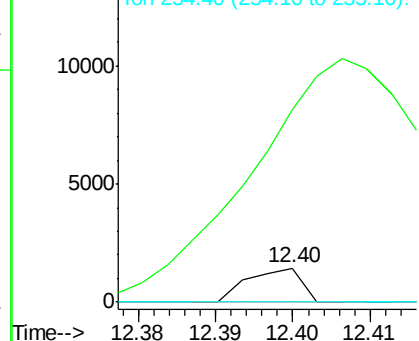


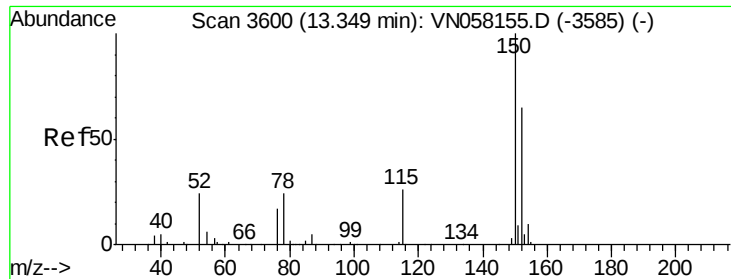
#71
Bromoform
Concen: 3.800 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

Tgt Ion:173 Resp: 693
Ion Ratio Lower Upper
173 100
175 2075.0 24.2 72.6#
254 0.0 0.1 0.1#



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# 3601

Delta R.T. 0.00 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

TWP-4DL

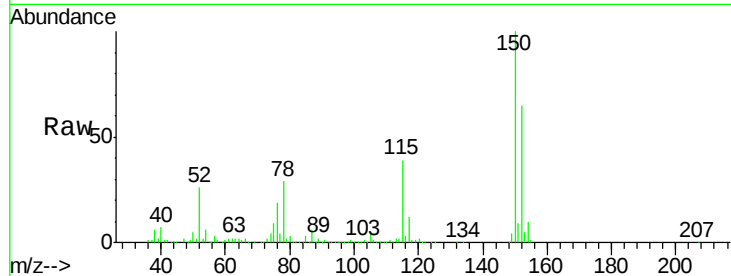
Tot Ion:152 Resp: 306633

Ion Ratio Lower Upper

152 100

115 75.7 30.1 90.3

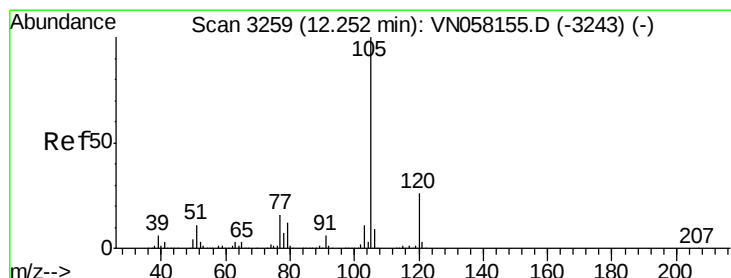
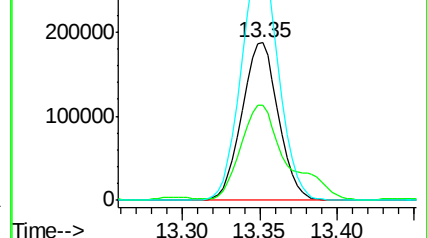
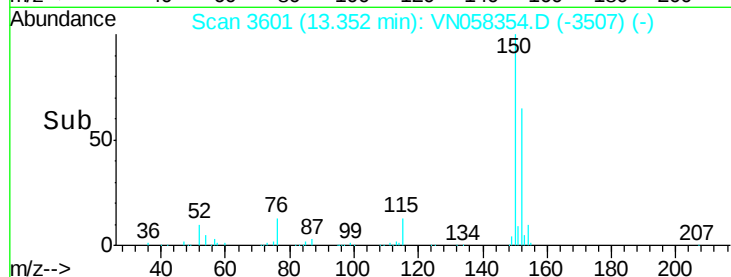
150 156.4 0.0 346.4



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: 15.480 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058354.D

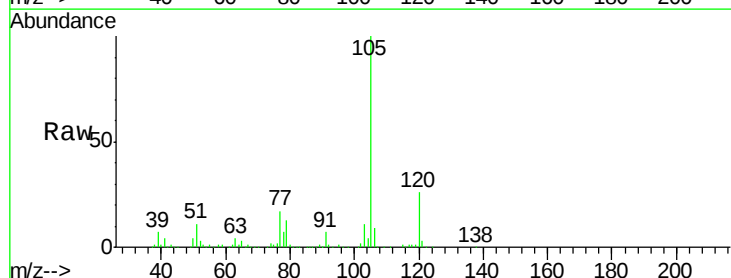
Acq: 25 Sep 2019 10:24

Tgt Ion:105 Resp: 297111

Ion Ratio Lower Upper

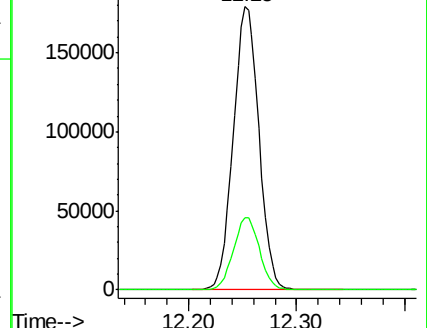
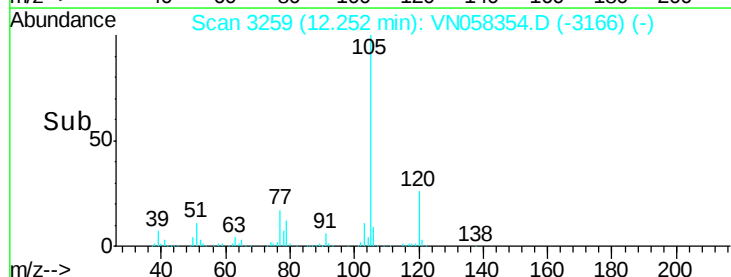
105 100

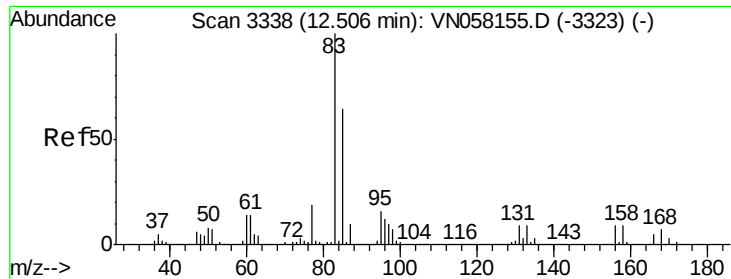
120 26.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.234 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.03 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

TWP-4DL

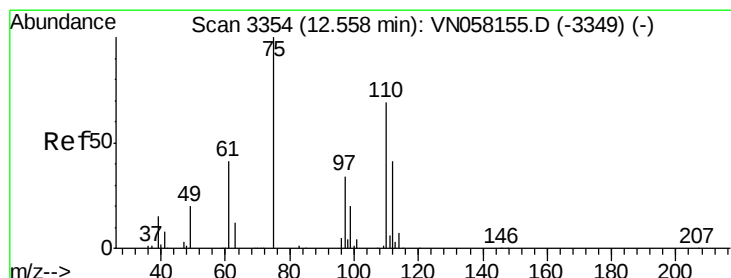
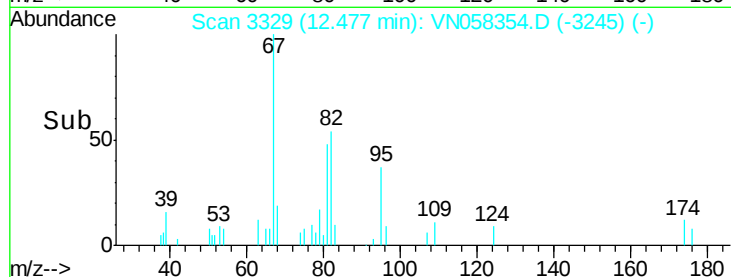
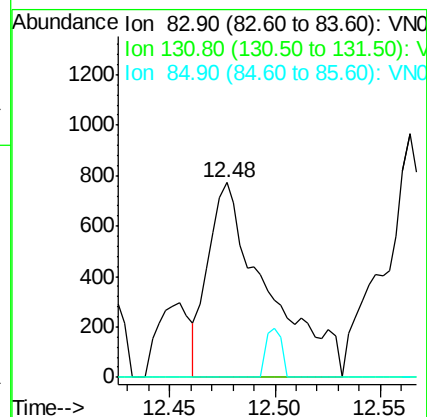
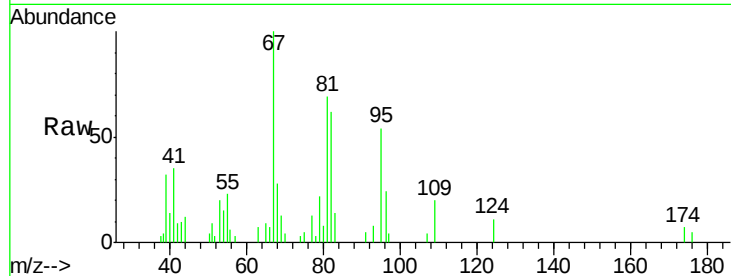
Tot Ion: 83 Resp: 1501

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 0.0 31.9 95.5#



#76

1,2,3-Trichloropropane

Concen: 1.153 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.04 min

Lab File: VN058354.D

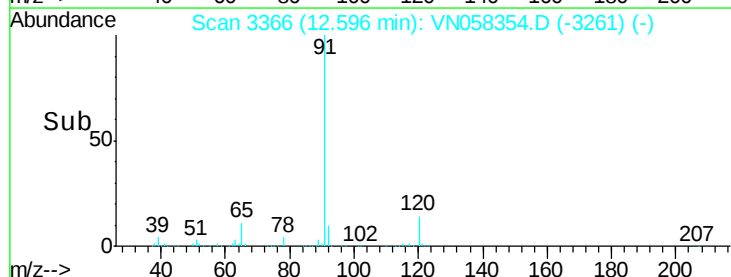
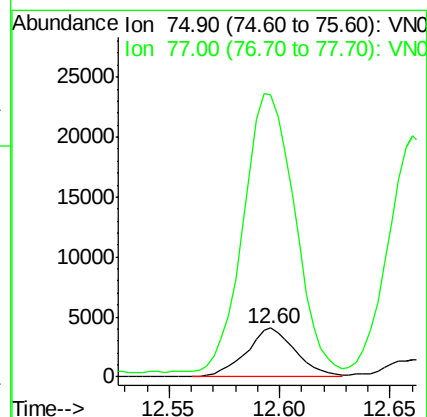
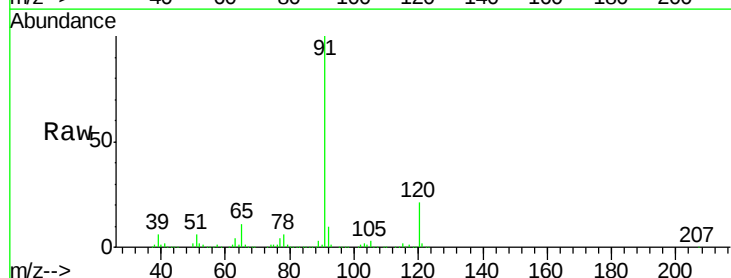
Acq: 25 Sep 2019 10:24

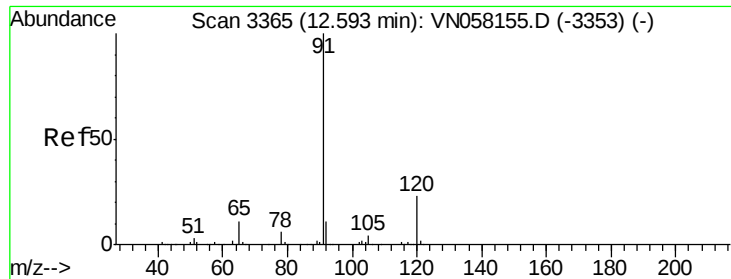
Tgt Ion: 75 Resp: 6326

Ion Ratio Lower Upper

75 100

77 587.5 0.0 0.0#

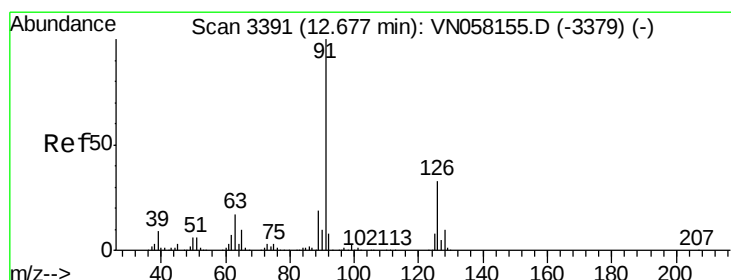
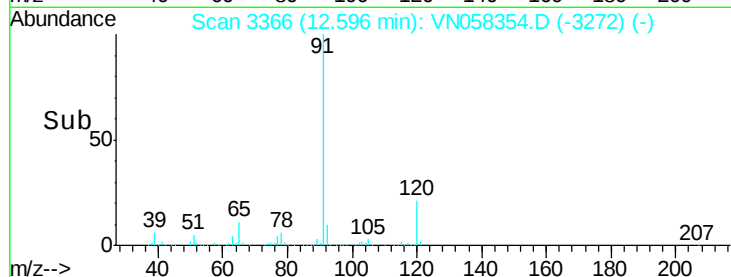
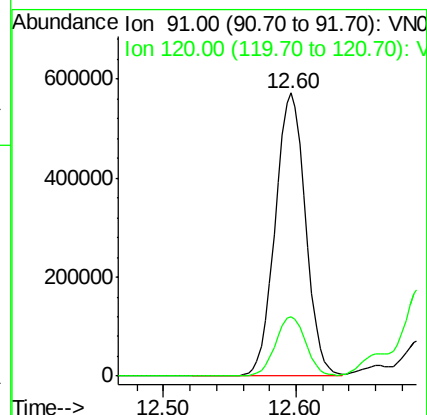
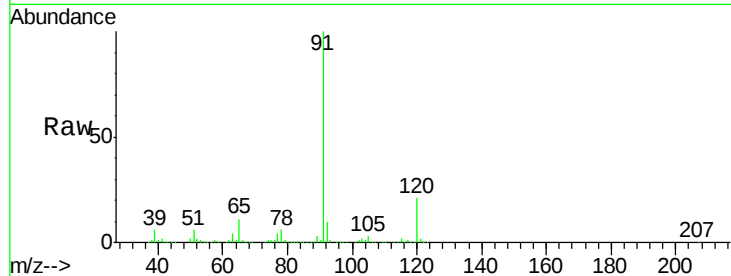




#78
n-propylbenzene
Concen: 41.799 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

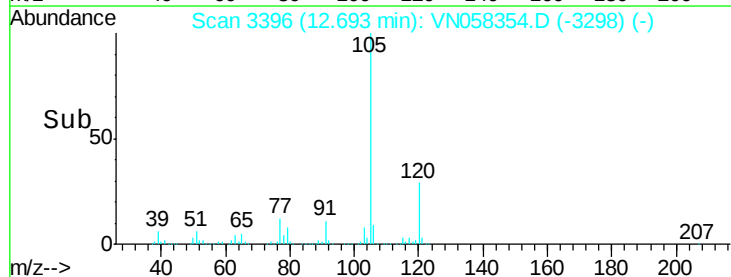
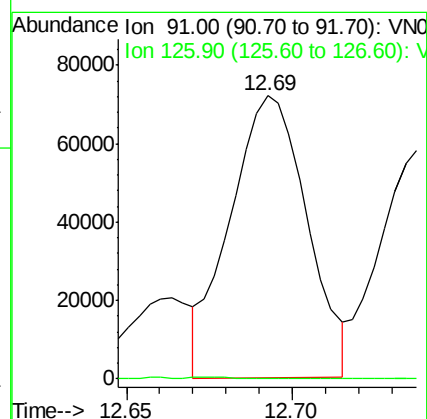
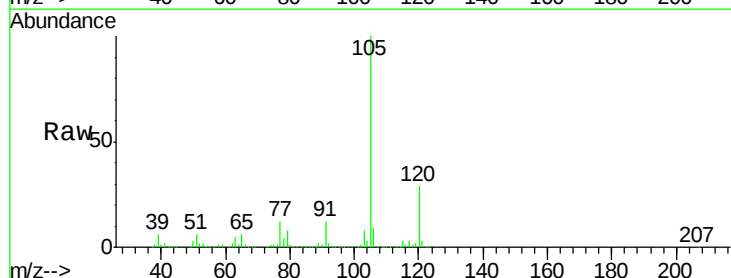
Instrument :
MSVOA_N
ClientSampled :
TWP-4DL

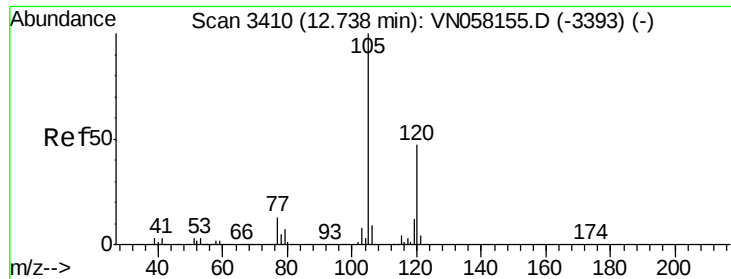
Tot Ion: 91 Resp: 911650
Ion Ratio Lower Upper
91 100
120 21.2 11.1 33.3



#79
2-Chlorotoluene
Concen: 8.507 ug/l
RT: 12.69 min Scan# 3396
Delta R.T. 0.02 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

Tgt Ion: 91 Resp: 115961
Ion Ratio Lower Upper
91 100
126 0.4 16.4 49.1#

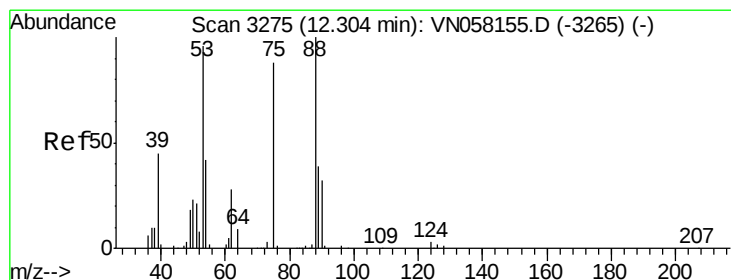
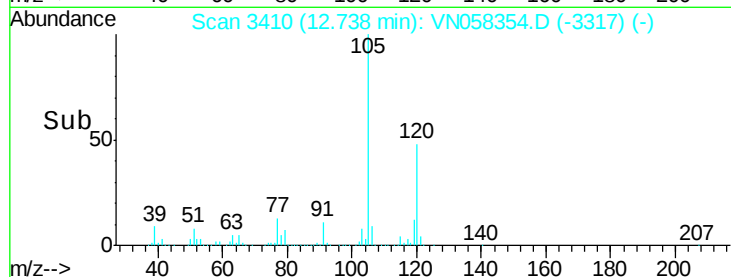
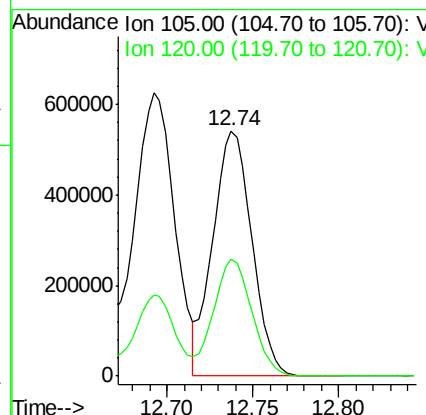
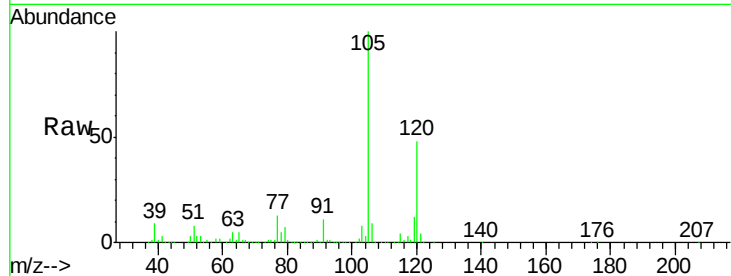




#80
 1,3,5-Trimethylbenzene
 Concen: 52.690 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058354.D
 Acq: 25 Sep 2019 10:24

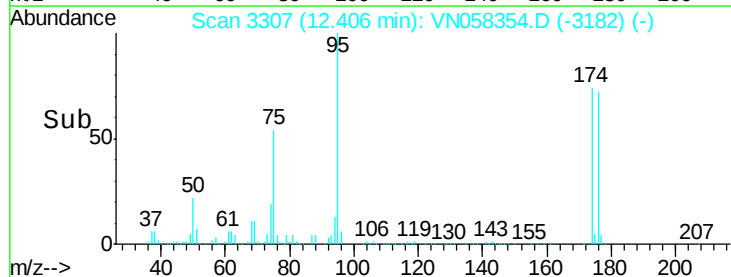
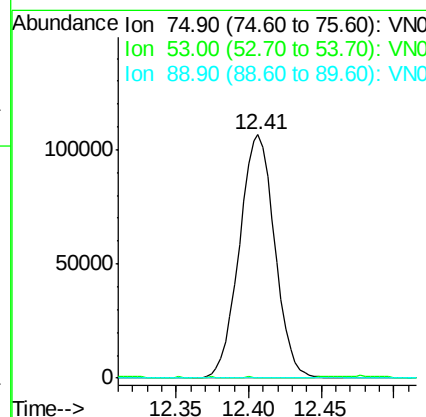
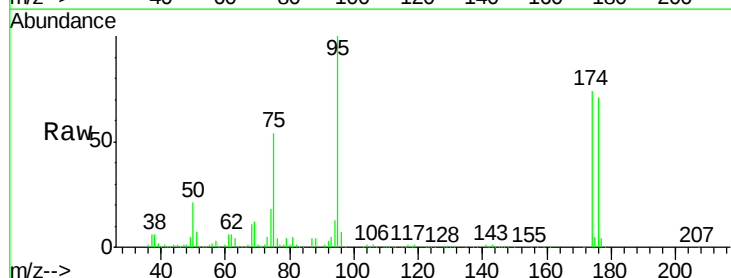
Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-4DL

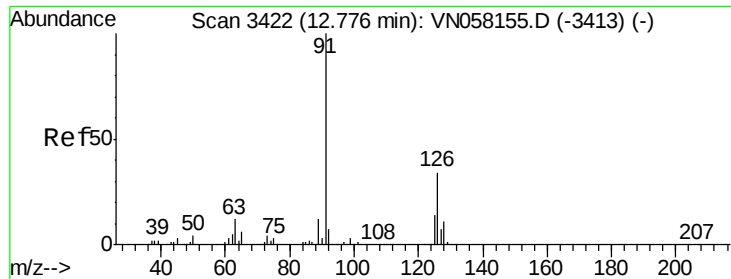
Tot Ion:105 Resp: 855167
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.327 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058354.D
 Acq: 25 Sep 2019 10:24

Tgt Ion: 75 Resp: 180438
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.1 135.1#
 89 0.0 36.2 54.2#





#82

4-Chlorotoluene

Concen: 6.462 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.04 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

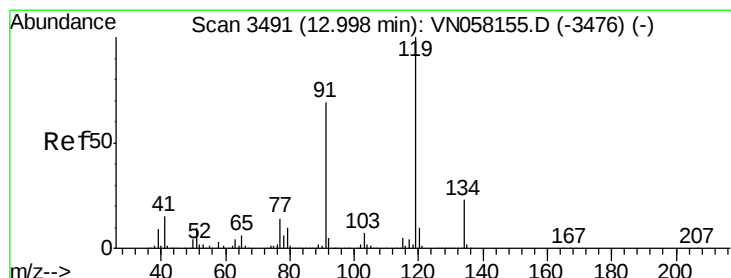
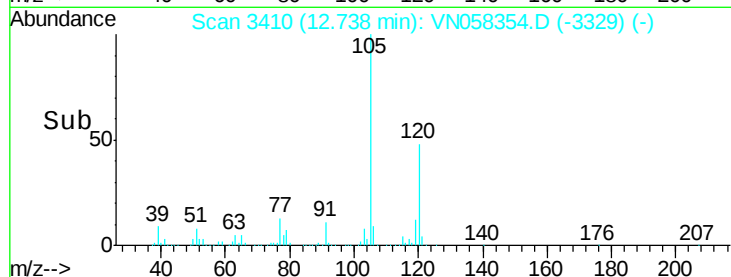
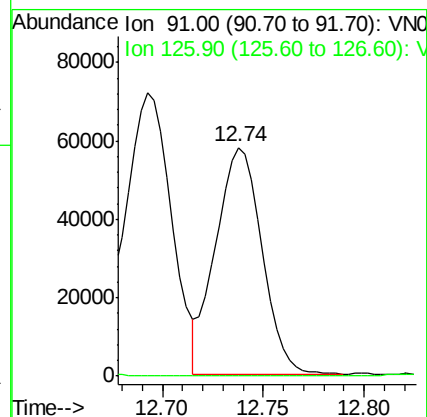
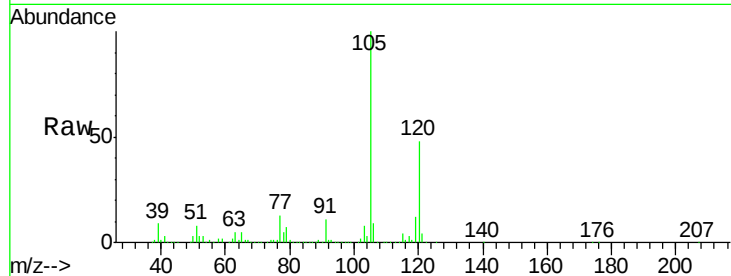
TWP-4DL

Tot Ion: 91 Resp: 92596

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#



#83

tert-Butylbenzene

Concen: 26.576 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.05 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

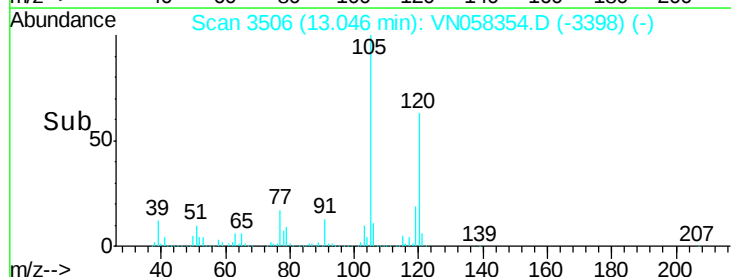
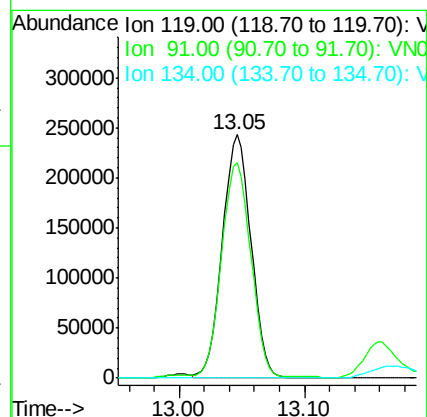
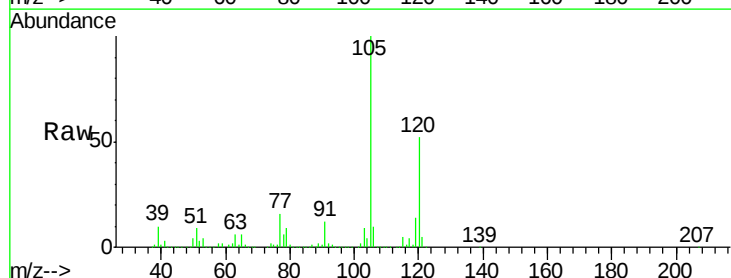
Tgt Ion: 119 Resp: 384658

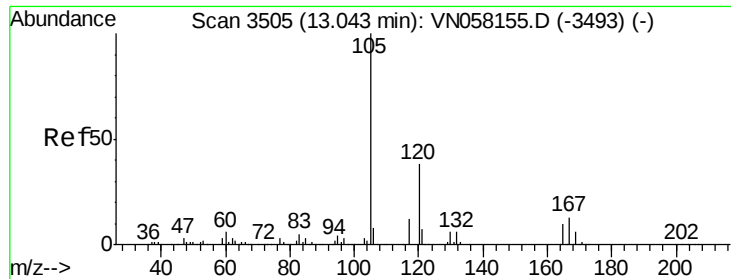
Ion Ratio Lower Upper

119 100

91 89.4 33.8 101.3

134 0.0 11.6 34.8#

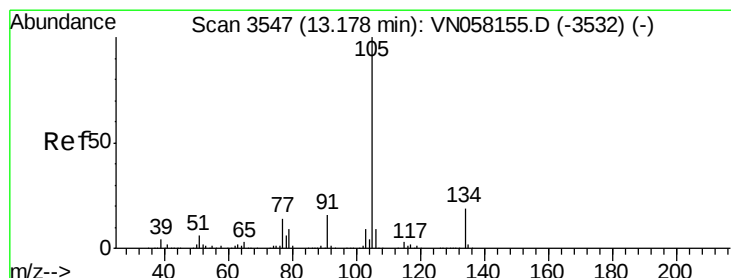
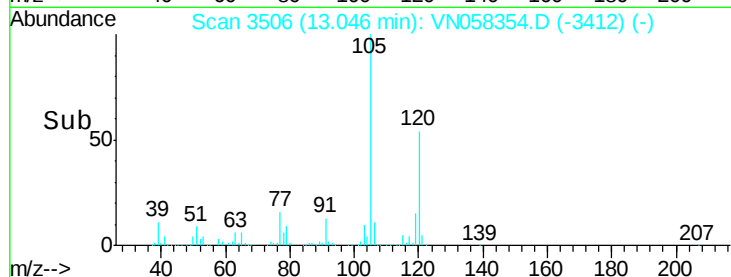
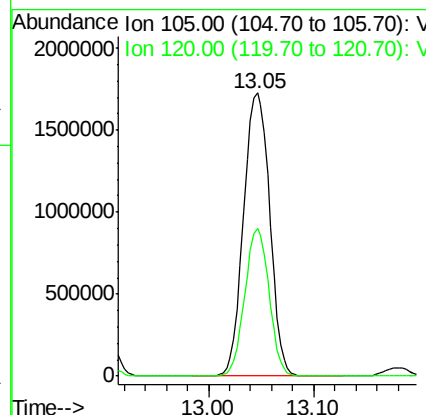
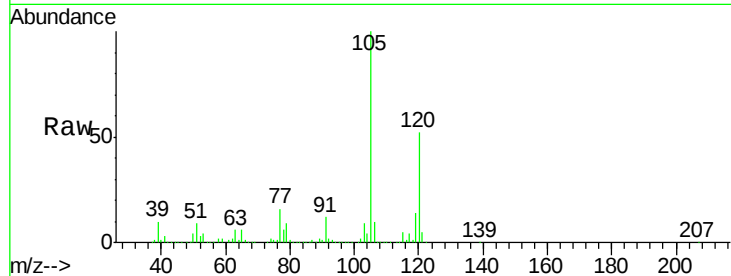




#84
 1,2,4-Trimethylbenzene
 Concen: 184.148 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058354.D
 Acq: 25 Sep 2019 10:24

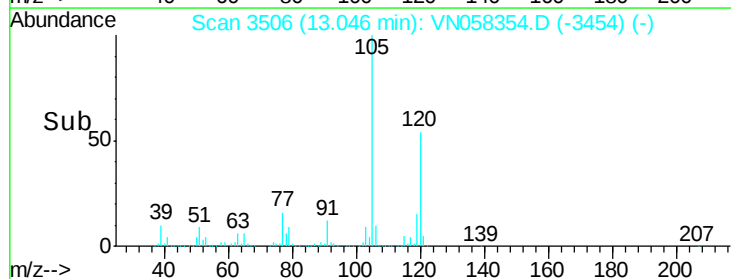
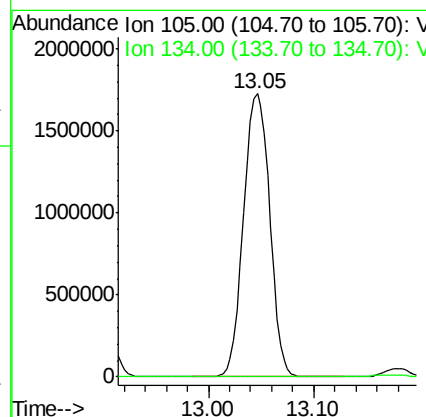
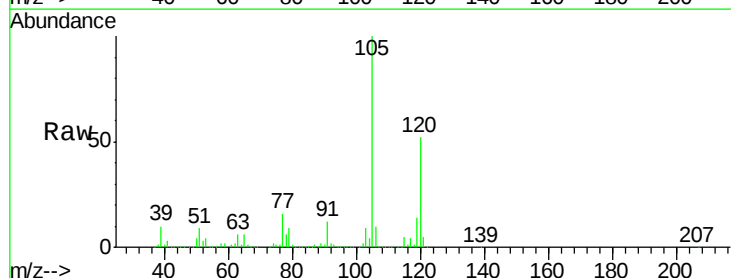
Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-4DL

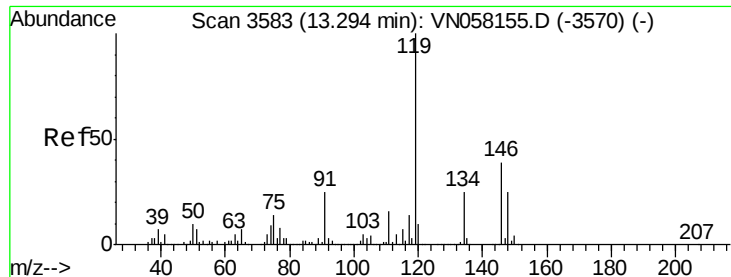
Tot Ion:105 Resp: 2974289
 Ion Ratio Lower Upper
 105 100
 120 48.5 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 157.147 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.13 min
 Lab File: VN058354.D
 Acq: 25 Sep 2019 10:24

Tgt Ion:105 Resp: 2974289
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.5 28.5#

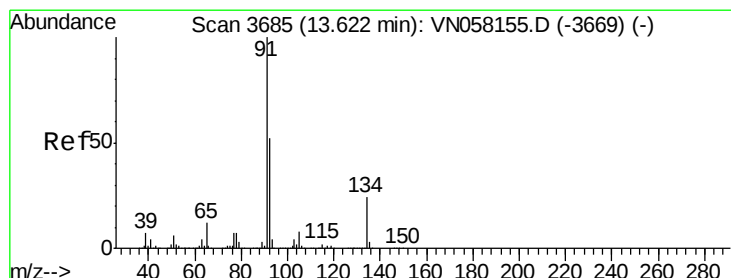
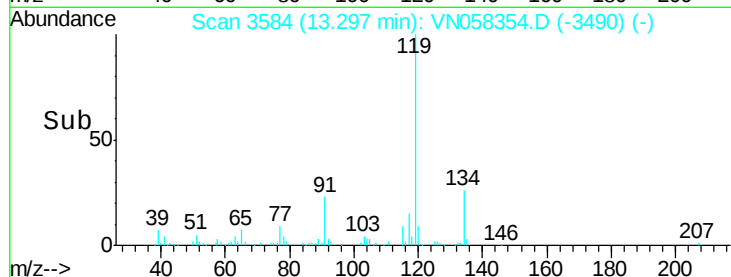
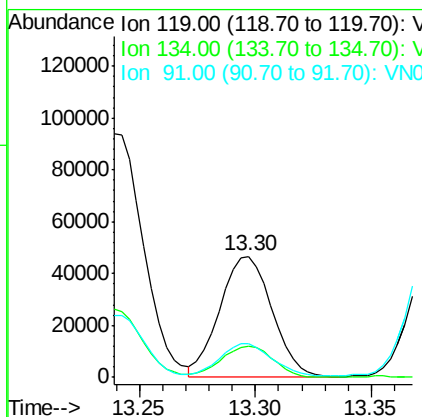
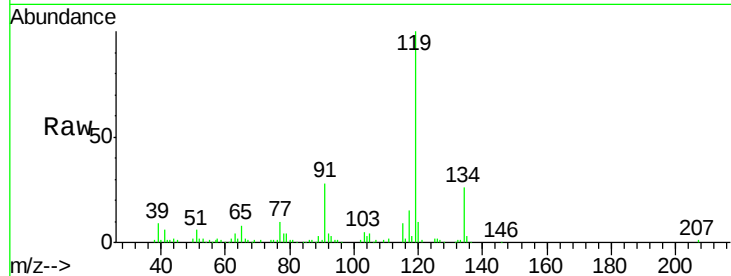




#86
p-Isopropyltoluene
Concen: 4.280 ug/l
RT: 13.30 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

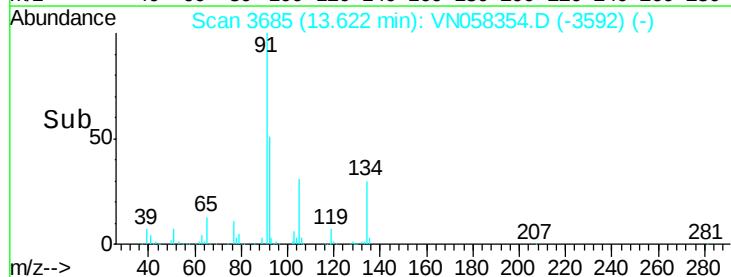
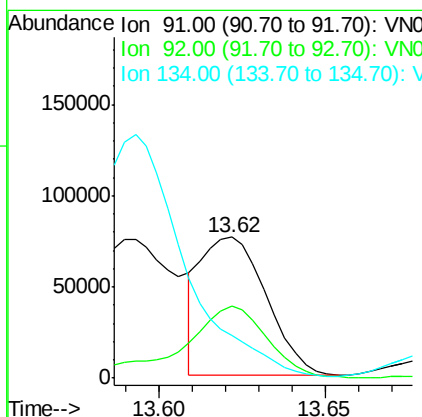
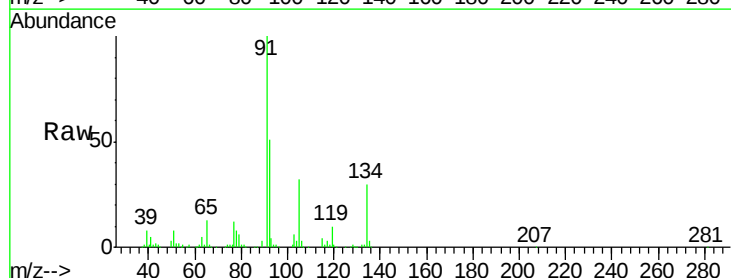
Instrument :
MSVOA_N
ClientSampleId :
TWP-4DL

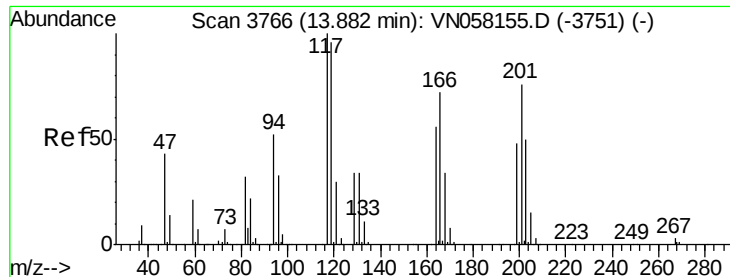
Tot Ion:119 Resp: 72019
Ion Ratio Lower Upper
119 100
134 26.2 12.7 38.0
91 26.2 12.3 36.8



#89
n-Butylbenzene
Concen: 6.484 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058354.D
Acq: 25 Sep 2019 10:24

Tgt Ion: 91 Resp: 103438
Ion Ratio Lower Upper
91 100
92 68.3 25.7 77.0
134 0.0 11.8 35.4#





#90

Hexachloroethane

Concen: 25.056 ug/l

RT: 13.90 min Scan# 3770

Delta R.T. 0.01 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

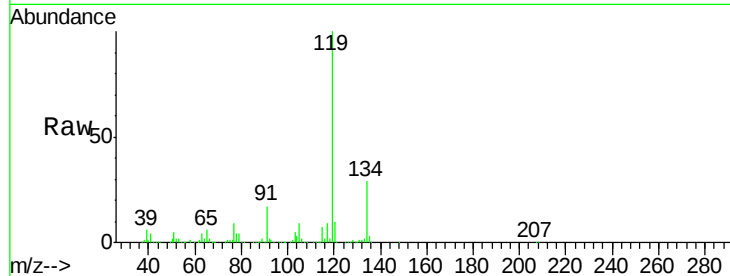
TWP-4DL

Tot Ion:117 Resp: 69526

Ion Ratio Lower Upper

117 100

201 0.0 37.5 112.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

100000

80000

60000

40000

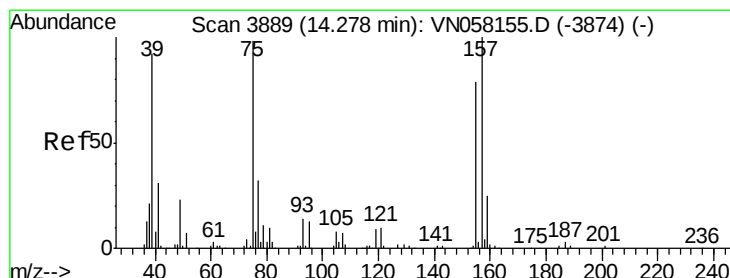
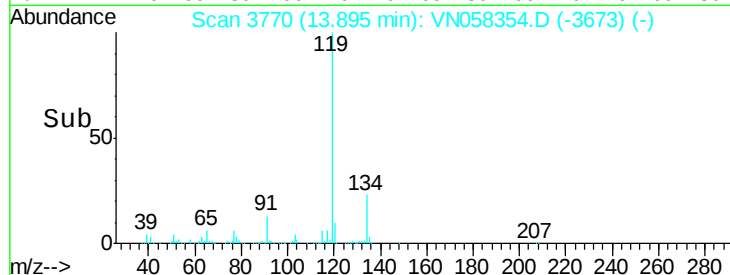
20000

0

Time-->

13.85

13.90



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.945 ug/l

RT: 14.26 min Scan# 3883

Delta R.T. -0.02 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

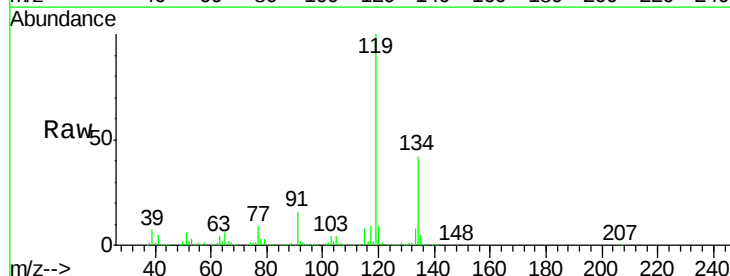
Tgt Ion: 75 Resp: 4565

Ion Ratio Lower Upper

75 100

155 0.0 38.3 114.8#

157 0.0 48.0 144.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

4000

3000

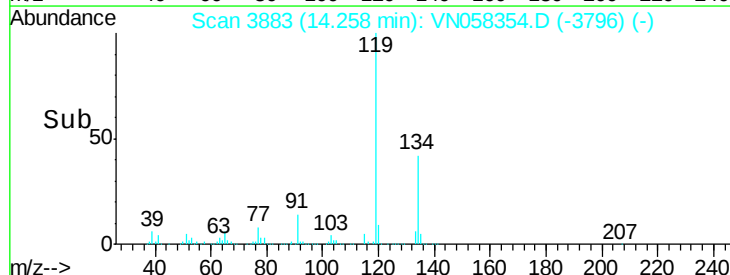
2000

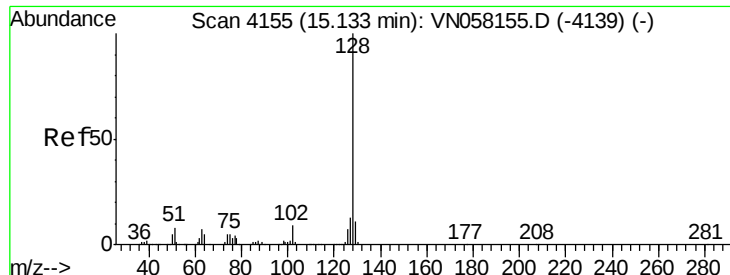
1000

0

Time-->

14.25





#95

Naphthalene

Concen: 28.909 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058354.D

Acq: 25 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

TWP-4DL

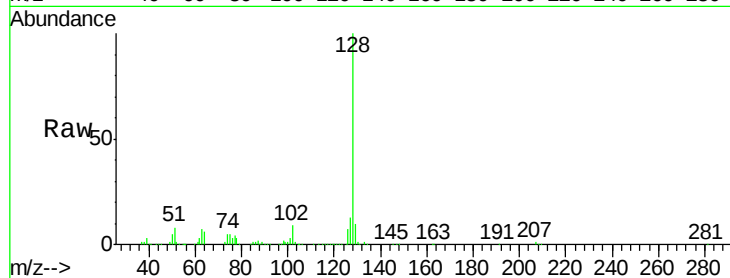
Tot Ion:128 Resp: 423419

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.2 8.6 12.8



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

