

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055858.D
 Acq On : 28 May 2019 17:27
 Operator : JC/SP
 Sample : K3065-07
 Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B-14-11.5-12.0

Quant Time: May 29 05:39:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	362577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	513446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	249022	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	169334	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
35) Dibromofluoromethane	7.59	113	148413	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	
50) Toluene-d8	10.09	98	613340	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.40	95	223619	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.74	59	13887	19.411	ug/l #	74
16) Acetone	3.84	43	1739	1.057	ug/l #	41
18) Methyl Acetate	4.34	43	5548	0.404	ug/l #	71
25) 2-Butanone	6.86	43	545	0.237	ug/l #	47
31) Cyclohexane	7.66	56	6341	1.128	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	20429	4.566	ug/l #	47
38) Carbon Tetrachloride	7.66	117	29257	6.277	ug/l #	15
39) Methylcyclohexane	9.08	83	4874	0.880	ug/l	96
40) Benzene	8.04	78	657608	48.765	ug/l	99
42) 1,2-Dichloroethane	8.03	62	5190	1.178	ug/l	77
43) Isopropyl Acetate	8.26	43	3644	0.502	ug/l #	53
48) Methyl methacrylate	9.14	41	879	0.262	ug/l #	9
51) 4-Methyl-2-Pentanone	10.09	43	2419	0.564	ug/l #	1
52) Toluene	10.16	92	3677279	433.578	ug/l	99
53) t-1,3-Dichloropropene	10.15	75	38600	7.654	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	1397	0.411	ug/l #	15
67) Ethyl Benzene	11.51	91	14849783	864.083	ug/l	95
68) m/p-Xylenes	11.62	106	5164859	794.962	ug/l	98
69) o-Xylene	11.95	106	2061153	319.763	ug/l	99
70) Styrene	11.96	104	311941	29.884	ug/l #	4
71) Bromoform	12.40	173	1600	0.491	ug/l #	1
73) Isopropylbenzene	12.25	105	720753	40.164	ug/l	99
74) N-amyl acetate	12.04	43	2868	Below Cal	#	52
75) 1,1,2,2-Tetrachloroethane	12.47	83	502	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.65	75	42355	7.181	ug/l #	100
78) n-propylbenzene	12.59	91	365552	16.890	ug/l	98
79) 2-Chlorotoluene	12.65	91	657212	56.716	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	1491862	102.757	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.25	75	6988	3.776	ug/l #	44
82) 4-Chlorotoluene	12.73	91	145524	11.438	ug/l #	39
83) tert-Butylbenzene	13.04	119	544228	41.725	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.04	105	4217879	294.810	ug/l	98
85) sec-Butylbenzene	13.04	105	4217879	261.603	ug/l #	55
86) p-Isopropyltoluene	13.29	119	88075	5.093	ug/l #	79

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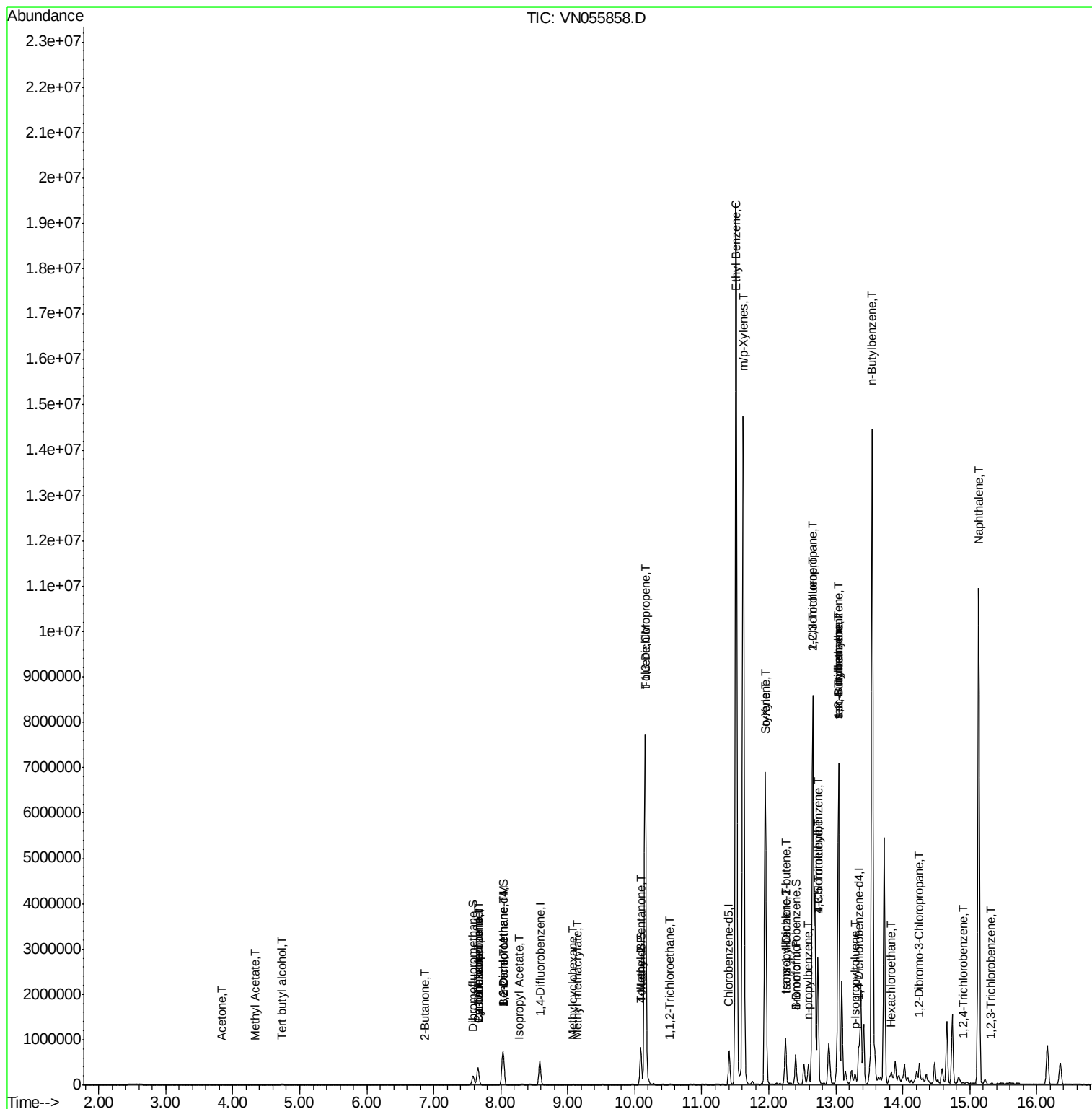
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.54	91	1352951	102.106	ug/l #	42
90) Hexachloroethane	13.82	117	46112	14.009	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1211	1.098	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1439	3.913	ug/l #	83
94) Hexachlorobutadiene	15.01	225	61	Below Cal	#	19
95) Naphthalene	15.13	128	9837961	854.027	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1579	0.356	ug/l	95

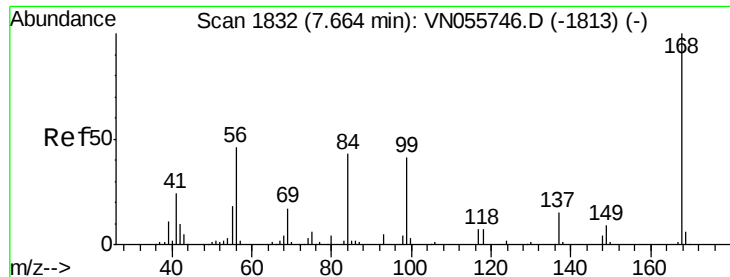
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

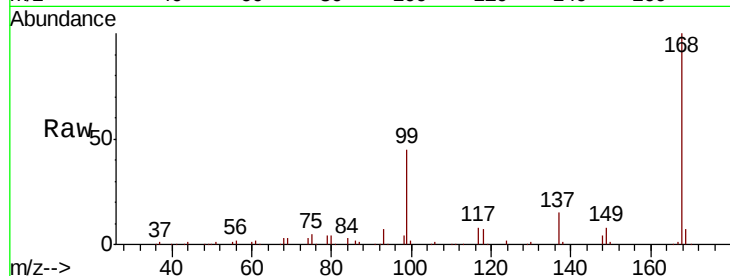
B-14-11.5-12.0

Tot Ion:168 Resp: 362577

Ion Ratio Lower Upper

168 100

99 44.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055746.D (-1813) (-)

7.66

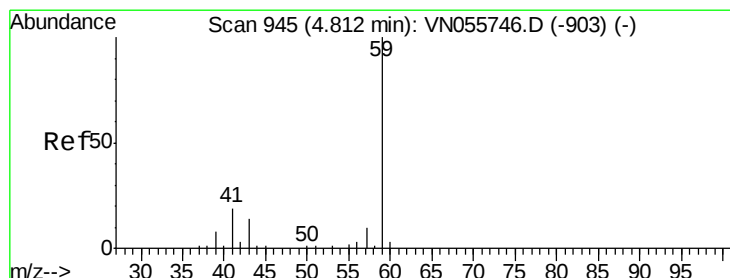
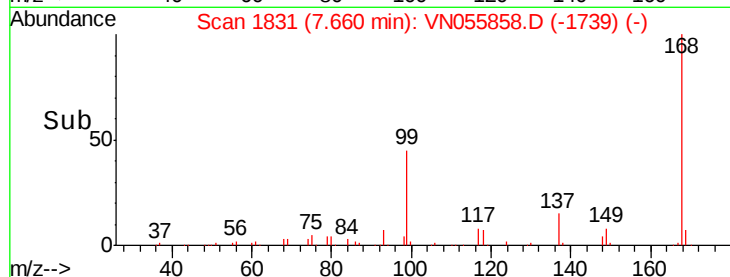
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 19.411 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.07 min

Lab File: VN055858.D

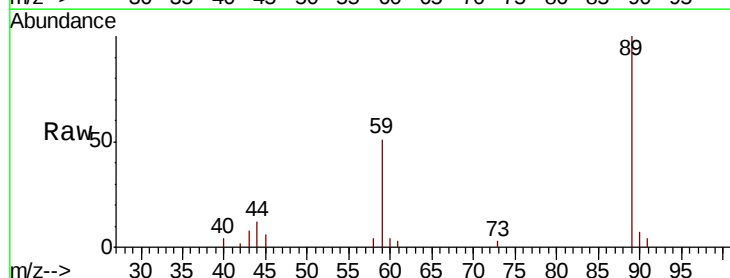
Acq: 28 May 2019 17:27

Tgt Ion: 59 Resp: 13887

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055746.D (-903) (-)

Ion 57.00 (56.70 to 57.70): VN055746.D (-903) (-)

4.74

4000

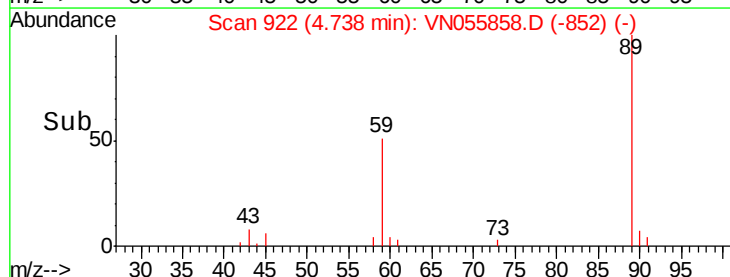
3000

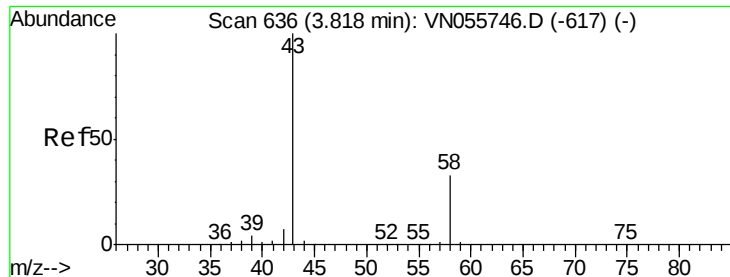
2000

1000

0

Time-->





#16

Acetone

Concen: 1.057 ug/l

RT: 3.84 min Scan# 643

Delta R.T. 0.02 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

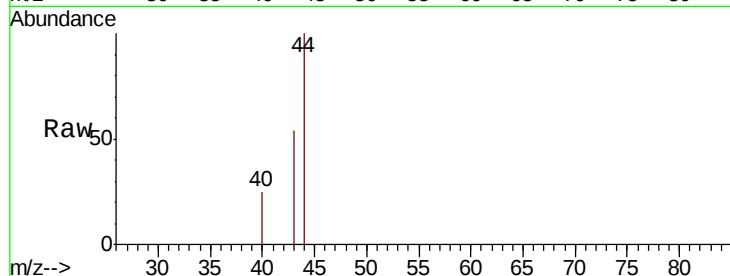
B-14-11.5-12.0

Tot Ion: 43 Resp: 1739

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.84

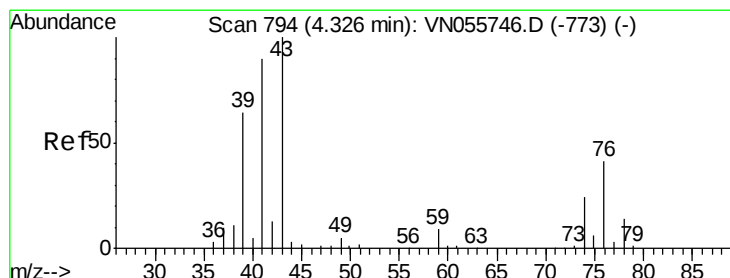
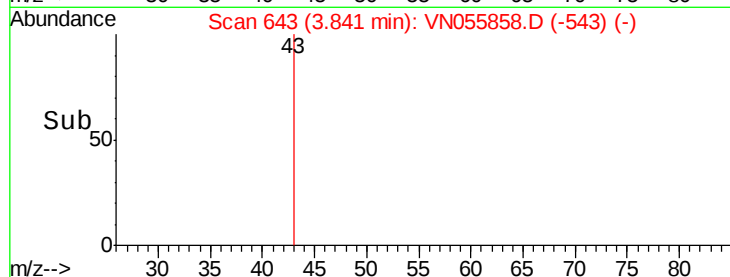
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 0.404 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN055858.D

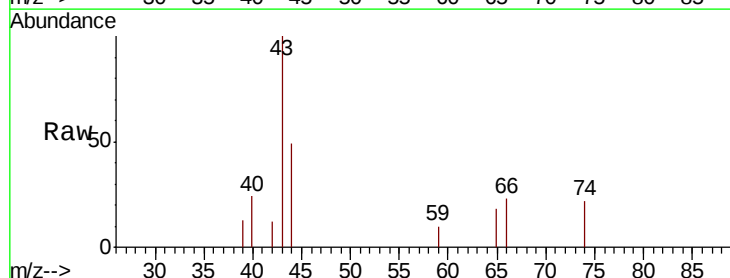
Acq: 28 May 2019 17:27

Tgt Ion: 43 Resp: 5548

Ion Ratio Lower Upper

43 100

74 9.6 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.34

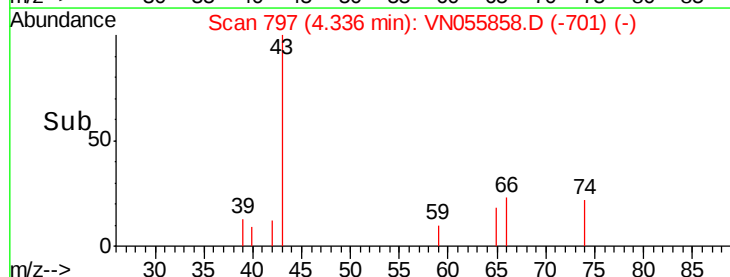
1500

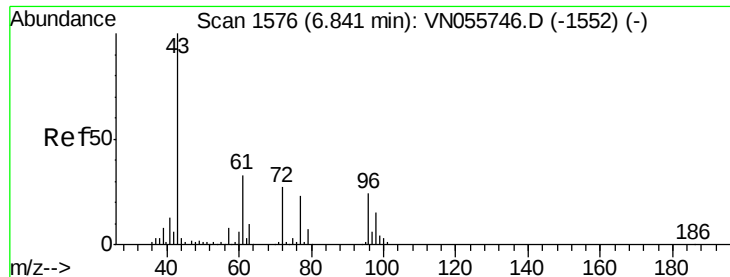
1000

500

0

Time-->





#25

2-Butanone

Concen: 0.237 ug/l

RT: 6.86 min Scan# 1582

Delta R.T. 0.02 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

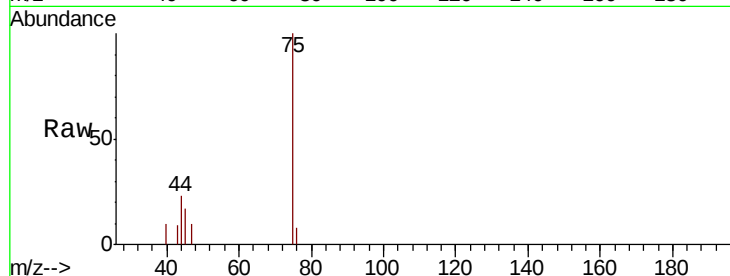
B-14-11.5-12.0

Tot Ion: 43 Resp: 545

Ion Ratio Lower Upper

43 100

72 0.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

300

250

200

150

100

50

0

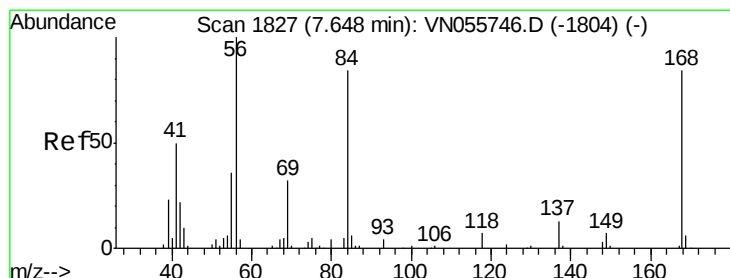
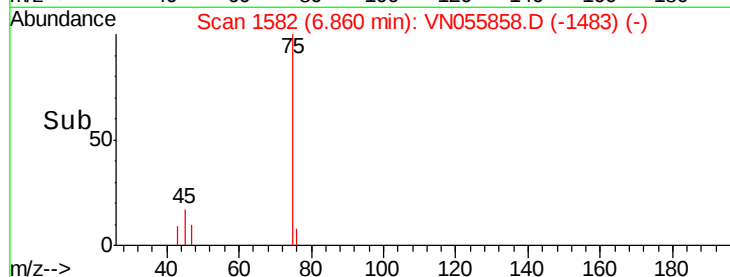
6.82

6.84

6.86

6.88

Time-->



#31

Cyclohexane

Concen: 1.128 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

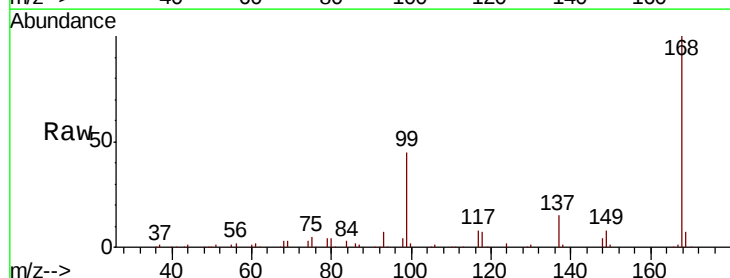
Tgt Ion: 56 Resp: 6341

Ion Ratio Lower Upper

56 100

69 170.8 25.6 38.4#

84 151.7 67.4 101.0#



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

6000

5000

4000

3000

2000

1000

0

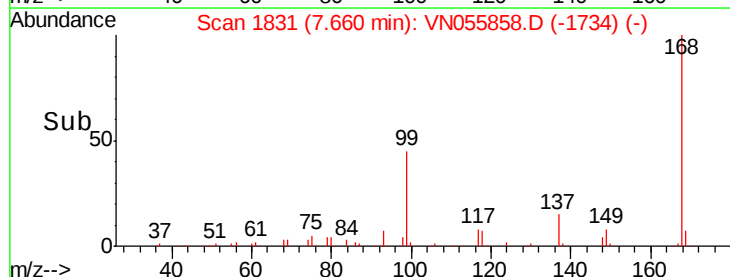
7.55

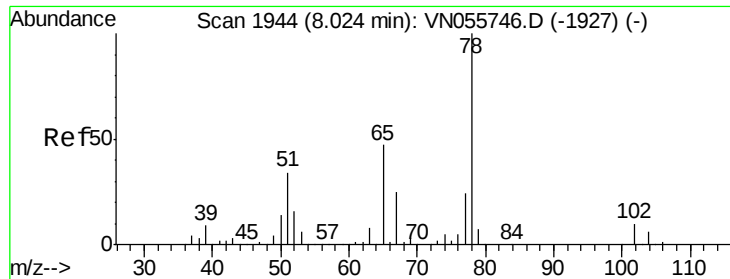
7.60

7.65

7.70

Time-->

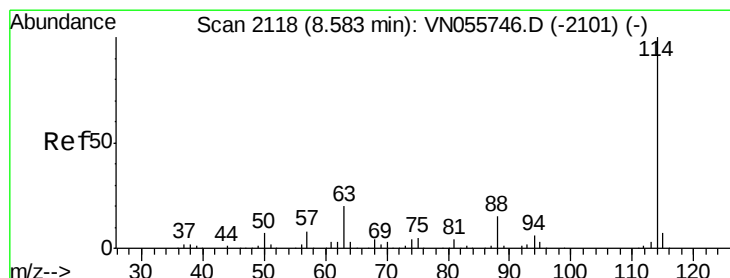
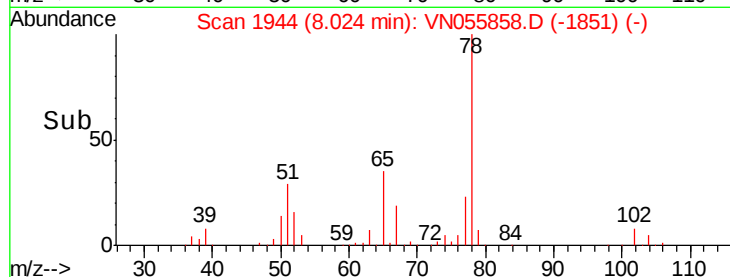
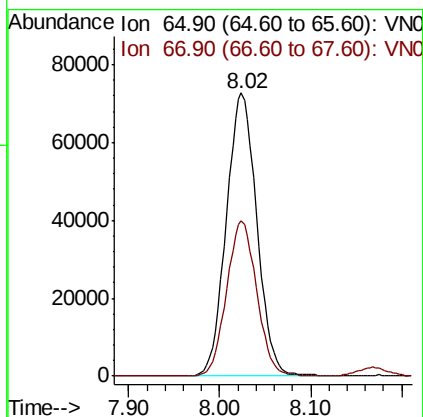
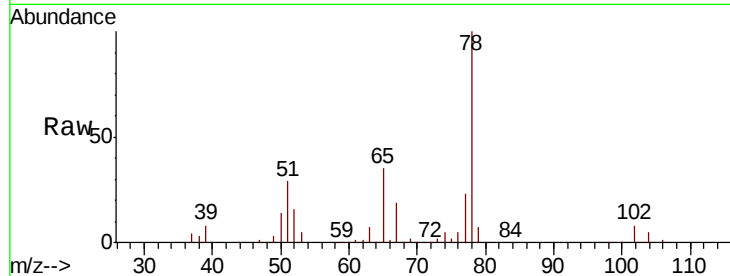




#33
 1,2-Dichloroethane-d4
 Concen: 45.223 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055858.D
 Acq: 28 May 2019 17:27

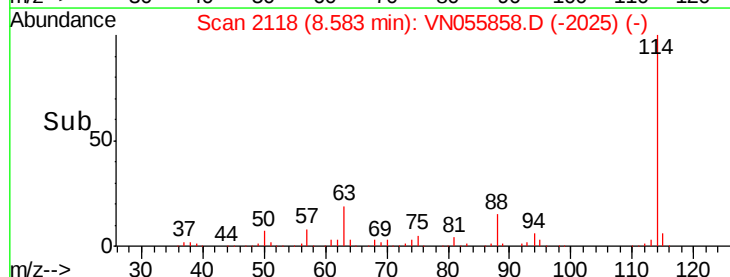
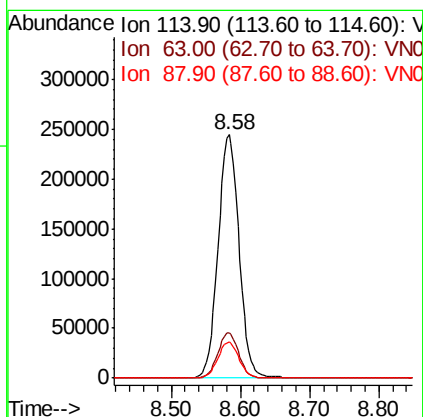
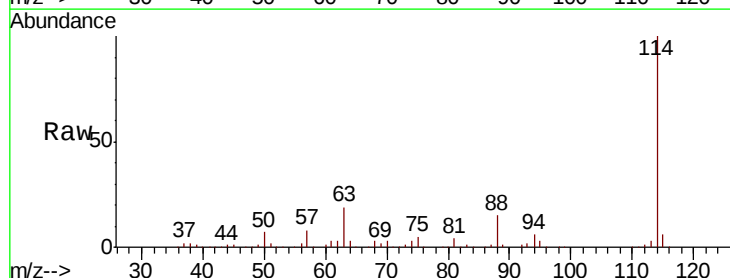
Instrument :
 MSVOA_N
 ClientSampled :
 B-14-11.5-12.0

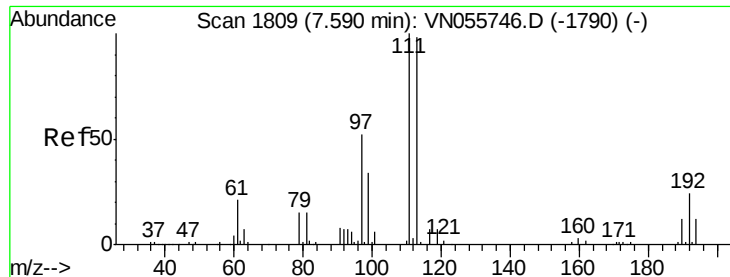
Tot Ion: 65 Resp: 169334
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055858.D
 Acq: 28 May 2019 17:27

Tgt Ion: 114 Resp: 513446
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 14.6 0.0 31.0

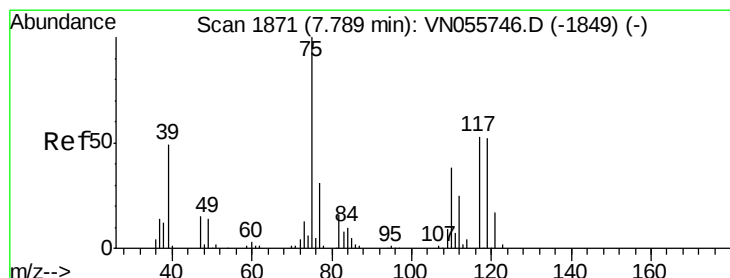
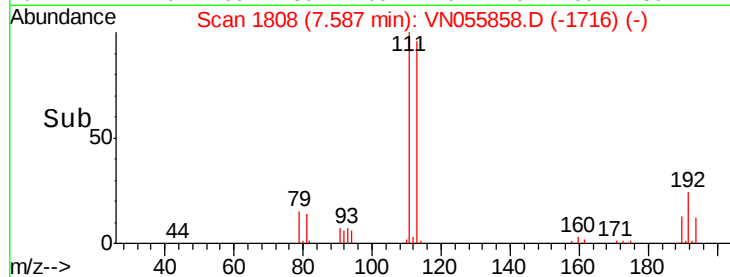
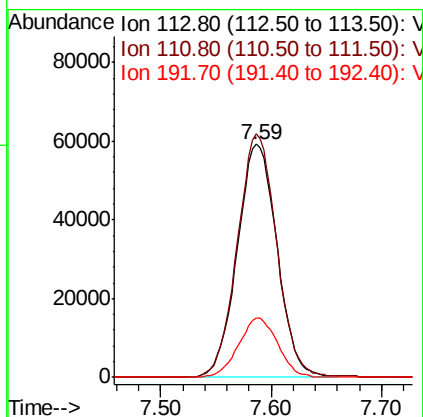
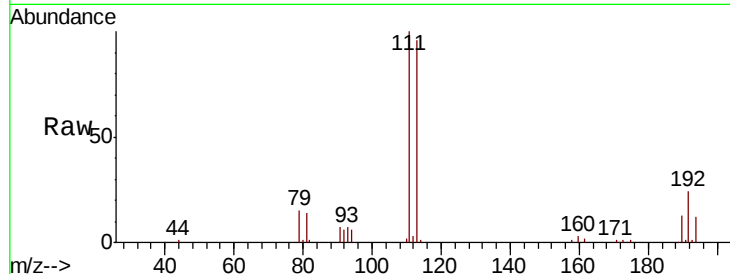




#35
 Dibromofluoromethane
 Concen: 45.719 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN055858.D
 Acq: 28 May 2019 17:27

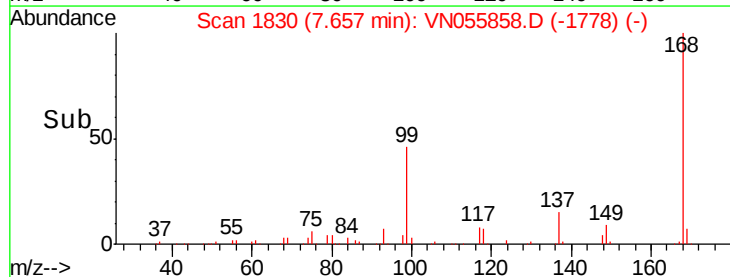
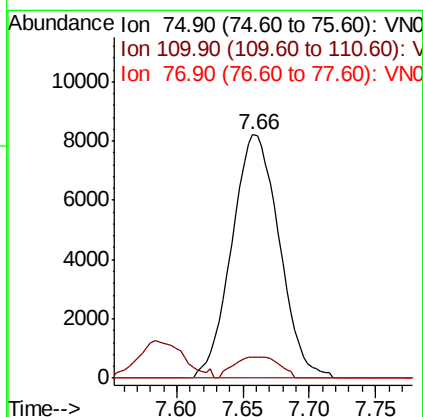
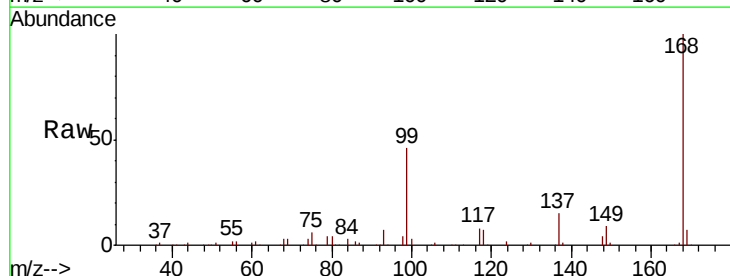
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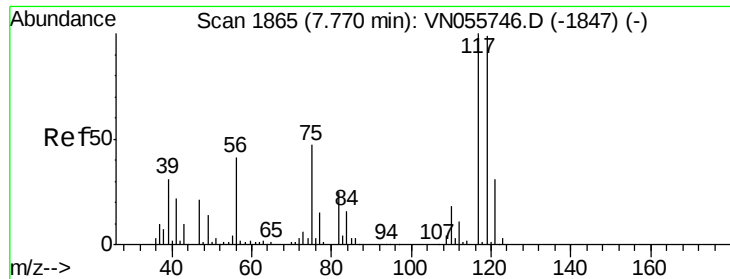
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	25.0	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 4.566 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN055858.D
 Acq: 28 May 2019 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	19.0	57.0#
77	0.0	25.1	37.7#

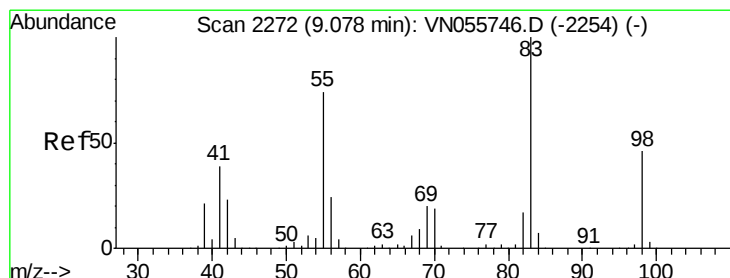
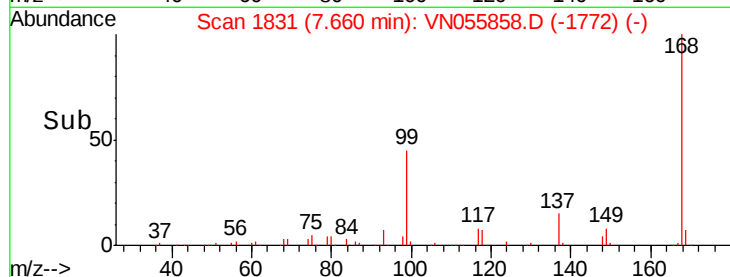
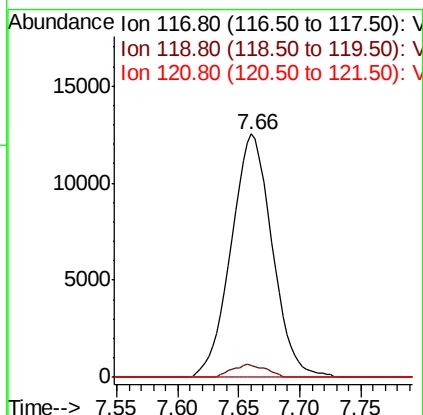
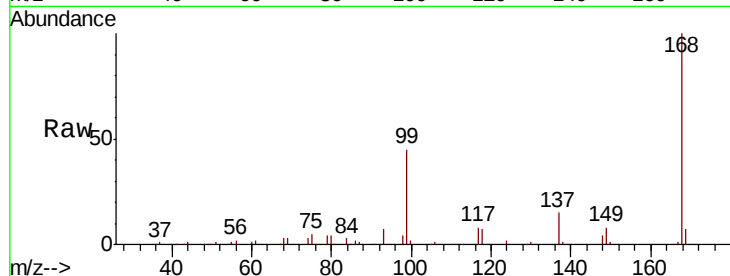




#38
Carbon Tetrachloride
Concen: 6.277 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN055858.D
Acq: 28 May 2019 17:27

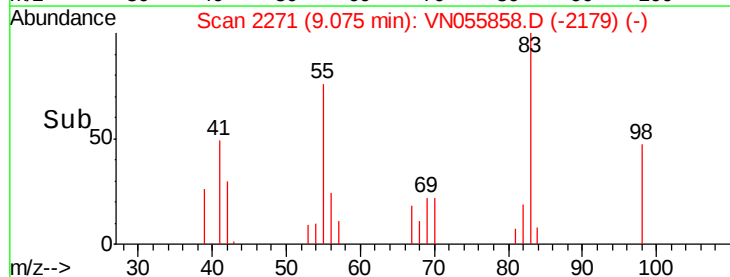
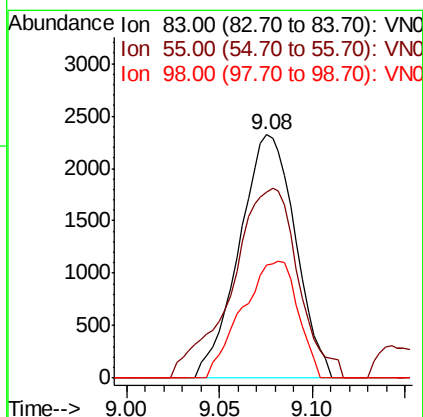
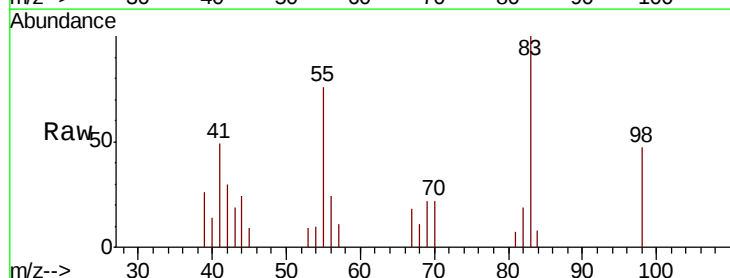
Instrument :
MSVOA_N
ClientSampleId :
B-14-11.5-12.0

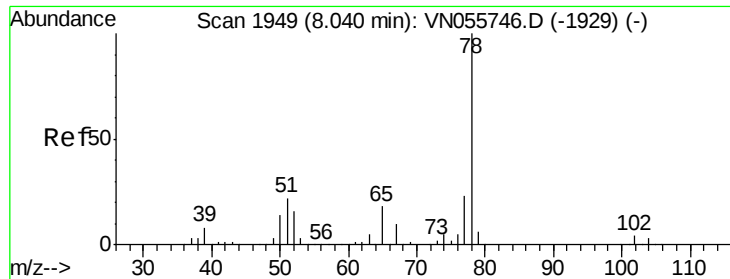
Tot Ion:117 Resp: 29257
Ion Ratio Lower Upper
117 100
119 5.0 79.0 118.6#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.880 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN055858.D
Acq: 28 May 2019 17:27

Tgt Ion: 83 Resp: 4874
Ion Ratio Lower Upper
83 100
55 69.2 59.3 88.9
98 46.6 36.6 54.8





#40

Benzene

Concen: 48.765 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

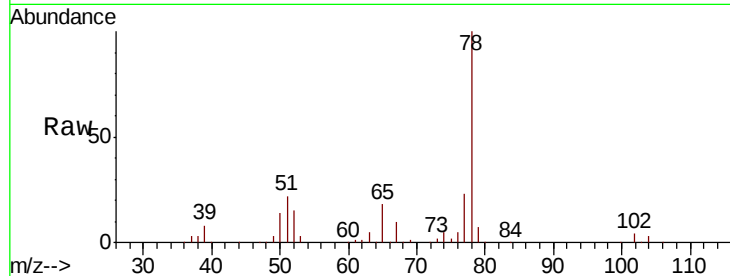
B-14-11.5-12.0

Tot Ion: 78 Resp: 657608

Ion Ratio Lower Upper

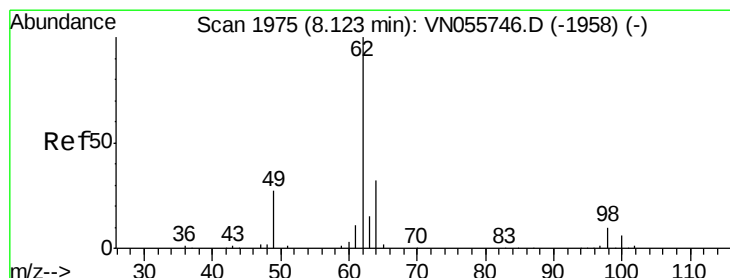
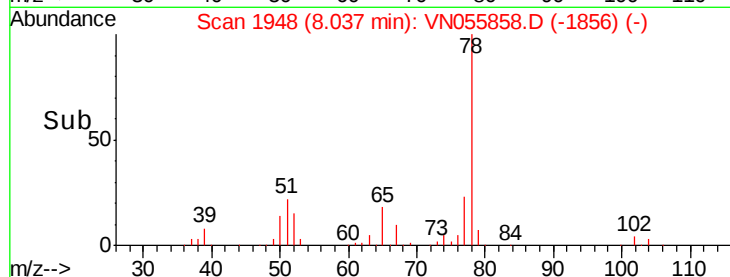
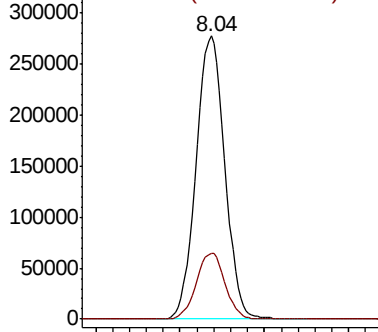
78 100

77 23.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#42

1,2-Dichloroethane

Concen: 1.178 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.09 min

Lab File: VN055858.D

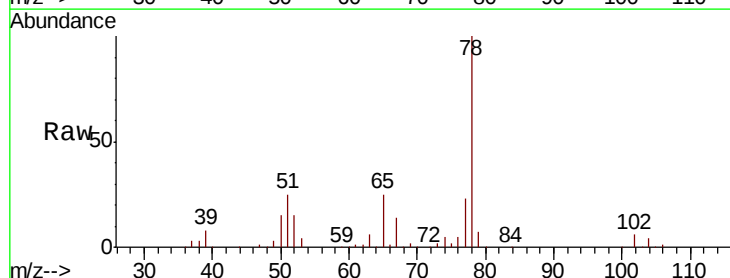
Acq: 28 May 2019 17:27

Tgt Ion: 62 Resp: 5190

Ion Ratio Lower Upper

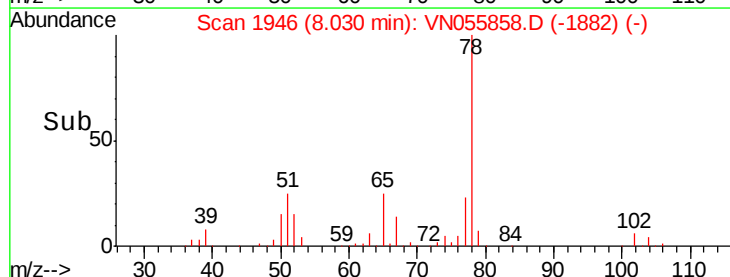
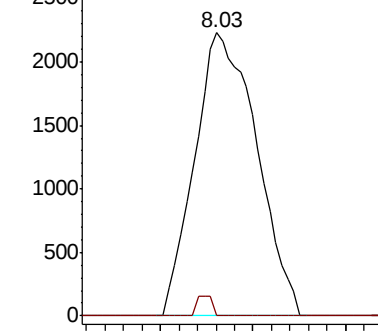
62 100

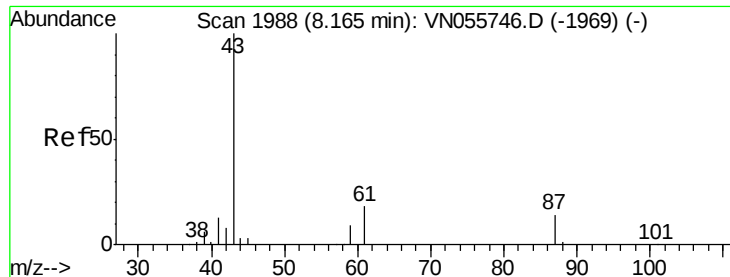
98 1.7 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 0.502 ug/l

RT: 8.26 min Scan# 2017

Delta R.T. 0.09 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

B-14-11.5-12.0

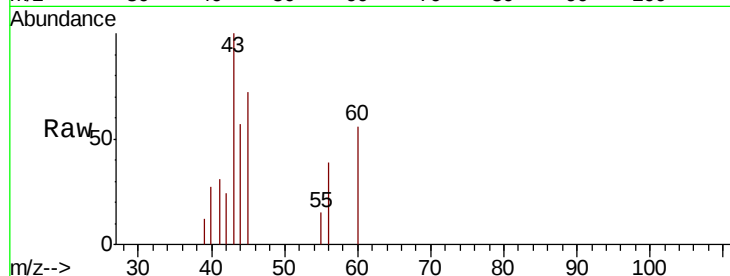
Tot Ion: 43 Resp: 3644

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

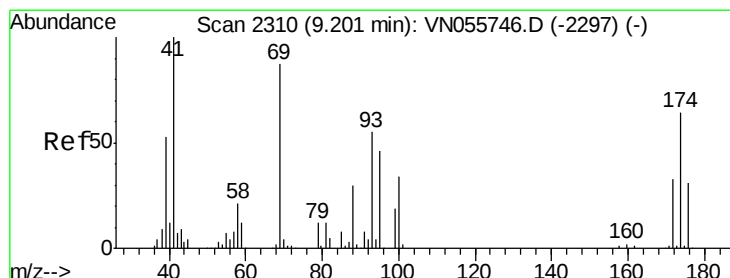
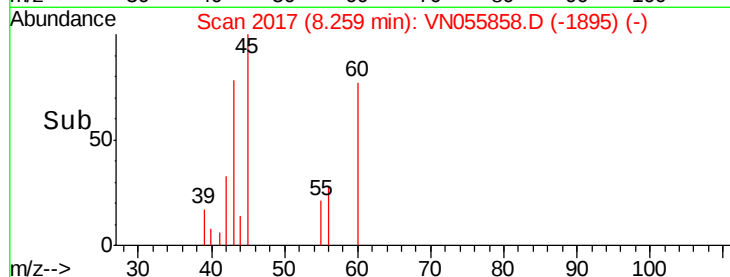
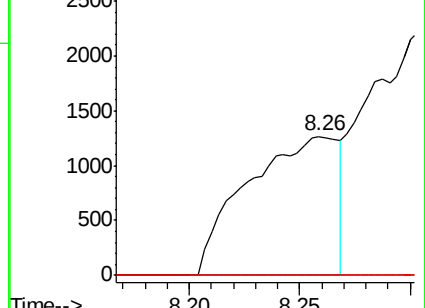
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 87.00 (86.70 to 87.70): VNC



#48

Methyl methacrylate

Concen: 0.262 ug/l

RT: 9.14 min Scan# 2291

Delta R.T. -0.06 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

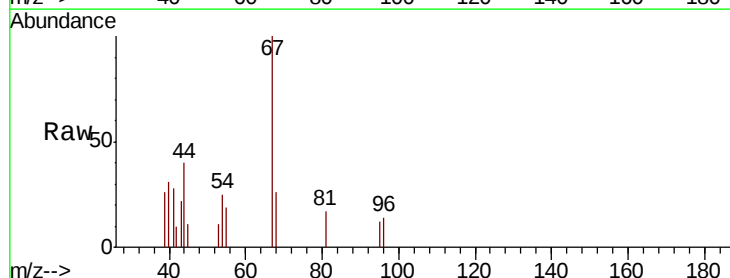
Tgt Ion: 41 Resp: 879

Ion Ratio Lower Upper

41 100

69 0.0 71.0 106.6#

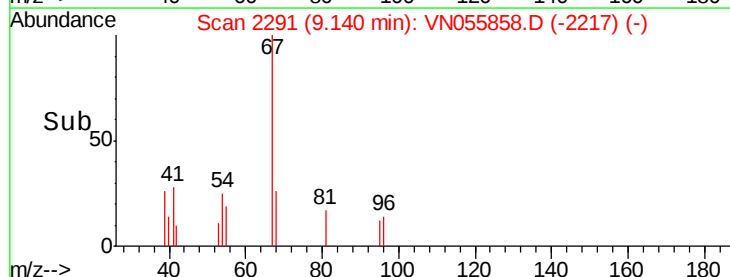
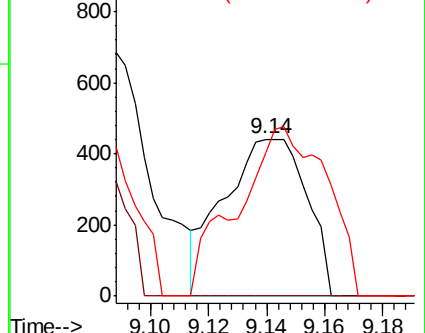
39 116.0 44.2 66.2#

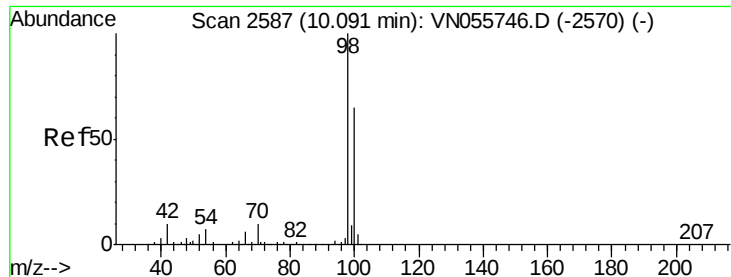


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: 49.256 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

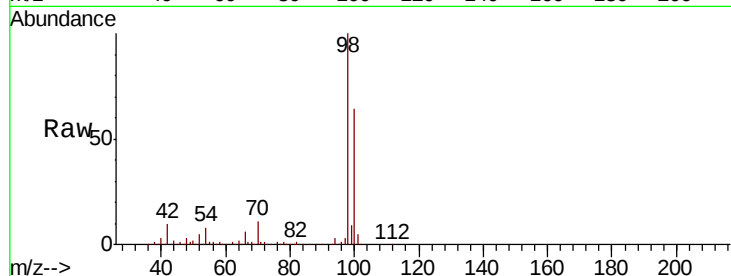
B-14-11.5-12.0

Tot Ion: 98 Resp: 613340

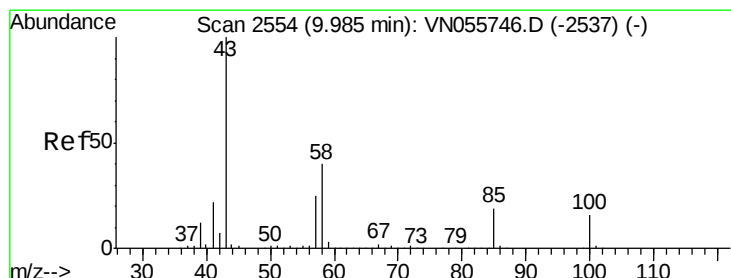
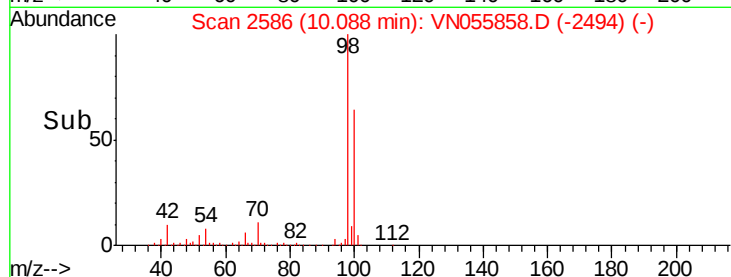
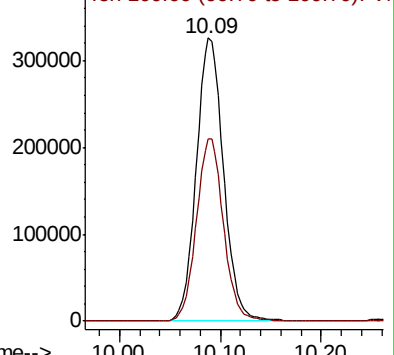
Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055746.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.564 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN055858.D

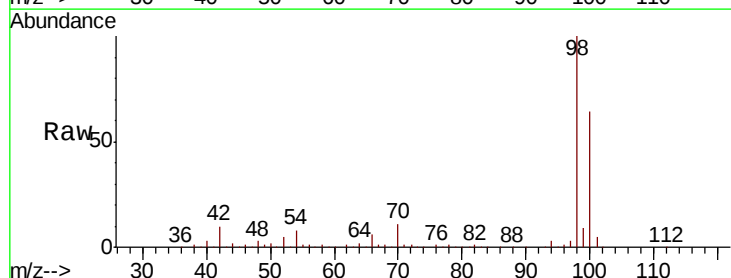
Acq: 28 May 2019 17:27

Tgt Ion: 43 Resp: 2419

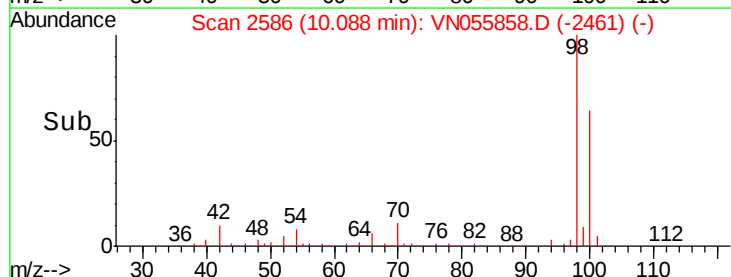
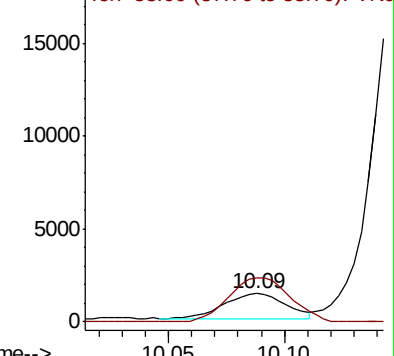
Ion Ratio Lower Upper

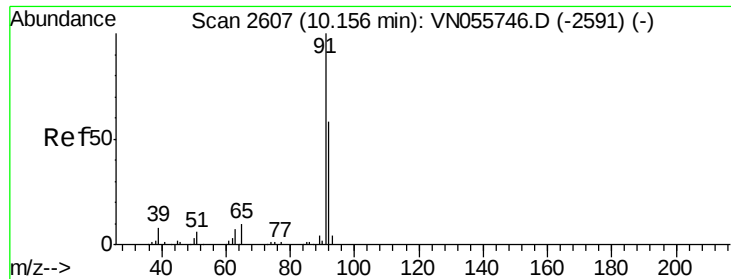
43 100

58 181.7 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-2537) (-)





#52

Toluene

Concen: 433.578 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

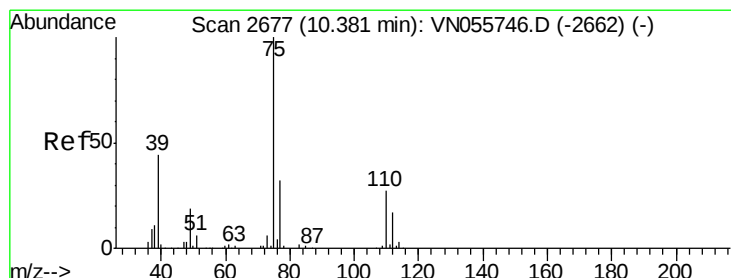
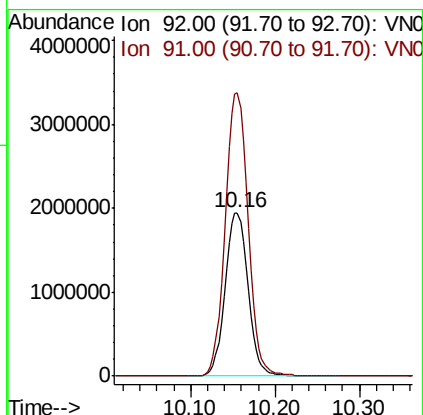
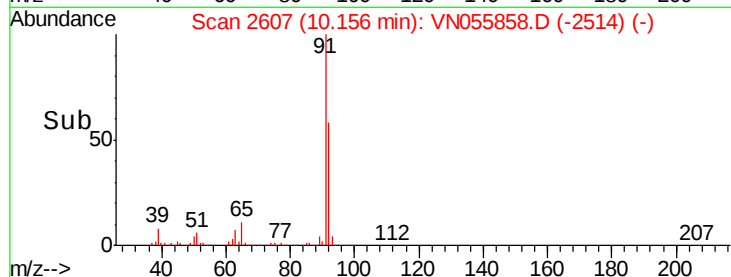
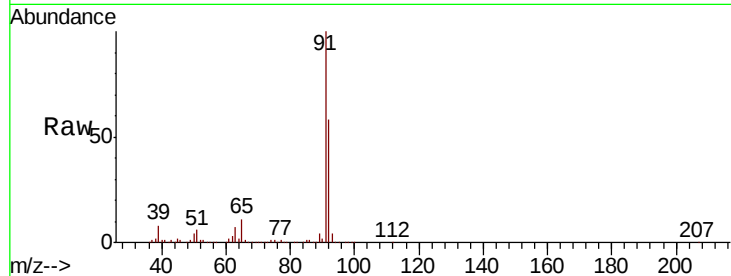
B-14-11.5-12.0

Tot Ion: 92 Resp: 3677279

Ion Ratio Lower Upper

92 100

91 173.2 139.4 209.2



#53

t-1,3-Dichloropropene

Concen: 7.654 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.23 min

Lab File: VN055858.D

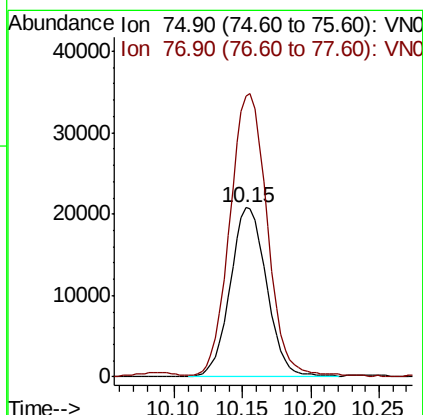
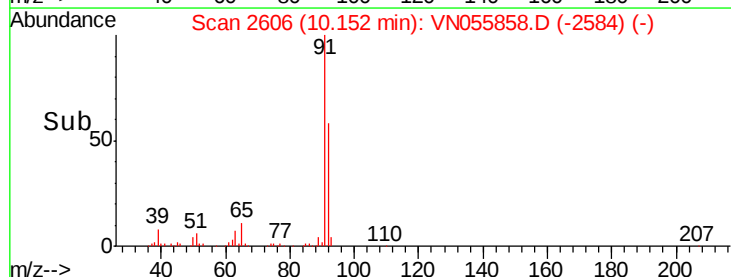
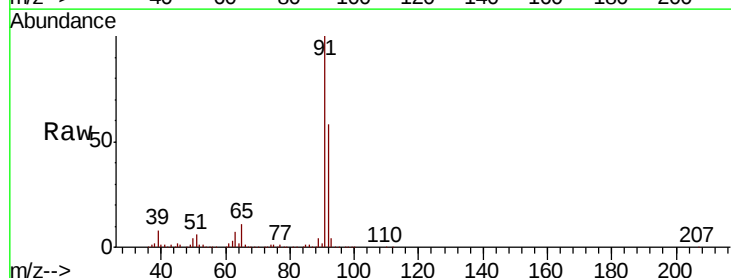
Acq: 28 May 2019 17:27

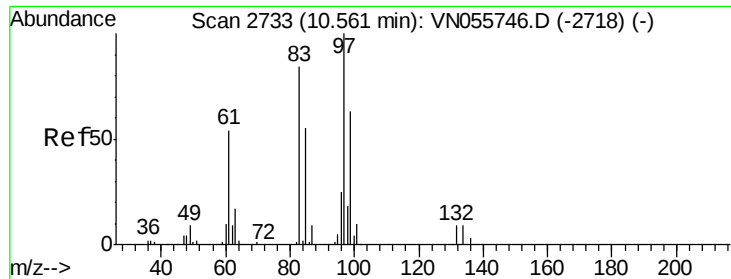
Tgt Ion: 75 Resp: 38600

Ion Ratio Lower Upper

75 100

77 165.3 25.8 38.6#

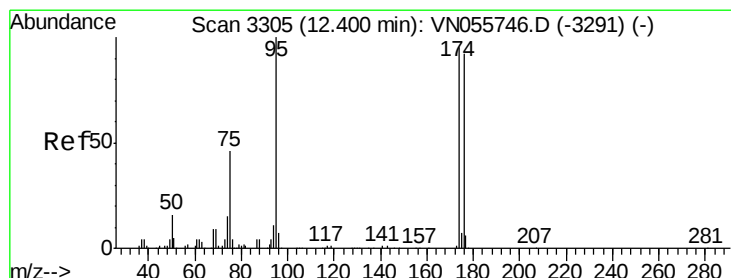
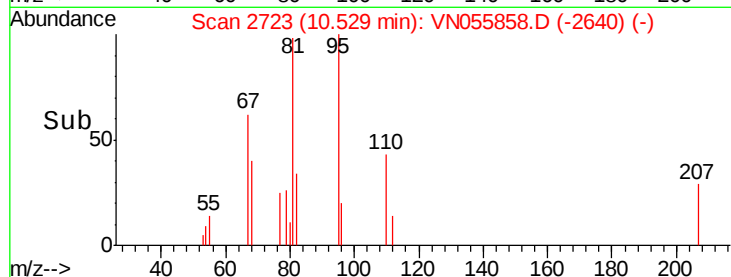
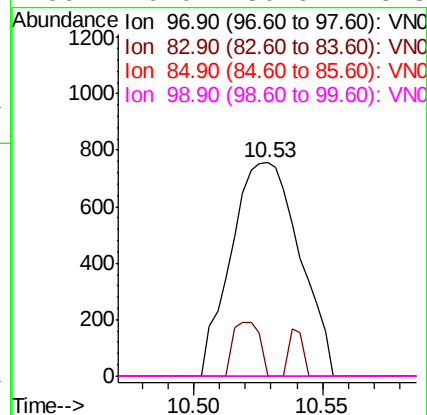
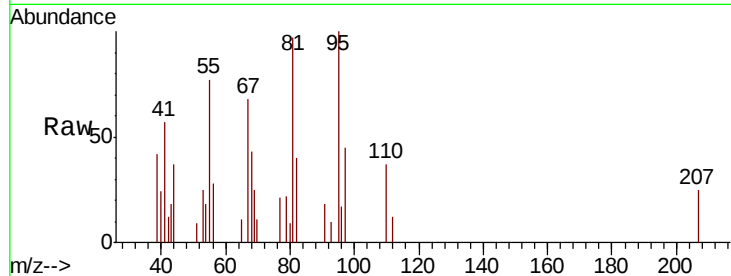




#55
 1,1,2-Trichloroethane
 Concen: 0.411 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.03 min
 Lab File: VN055858.D
 Acq: 28 May 2019 17:27

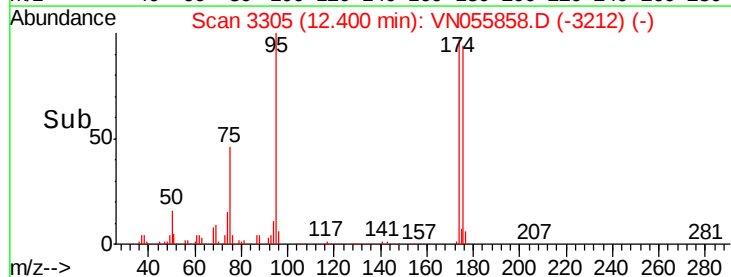
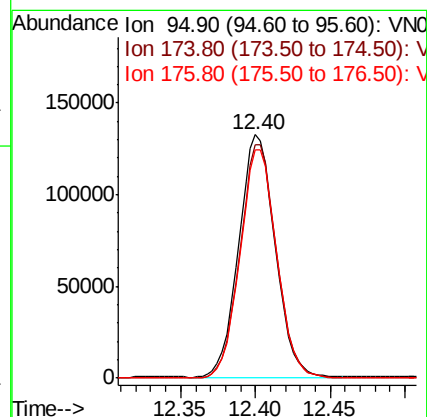
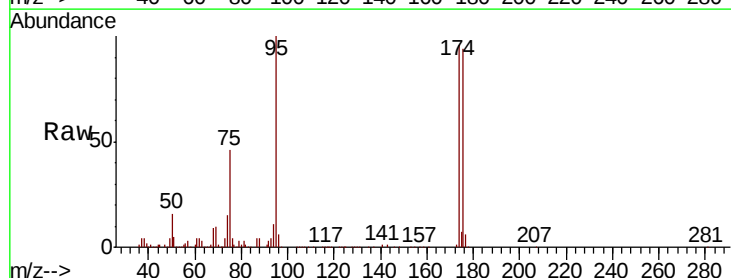
Instrument :
 MSVOA_N
 ClientSampleId :
 B-14-11.5-12.0

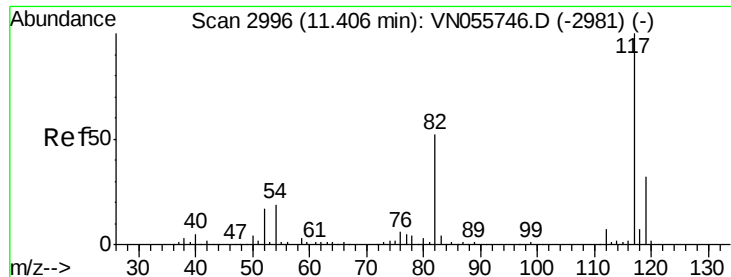
Tot Ion: 97 Resp: 1397
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.0 100.6#
 85 0.0 44.0 66.0#
 99 0.0 50.6 75.8#



#62
 4-Bromofluorobenzene
 Concen: 52.374 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055858.D
 Acq: 28 May 2019 17:27

Tgt Ion: 95 Resp: 223619
 Ion Ratio Lower Upper
 95 100
 174 96.8 0.0 191.0
 176 94.9 0.0 185.2

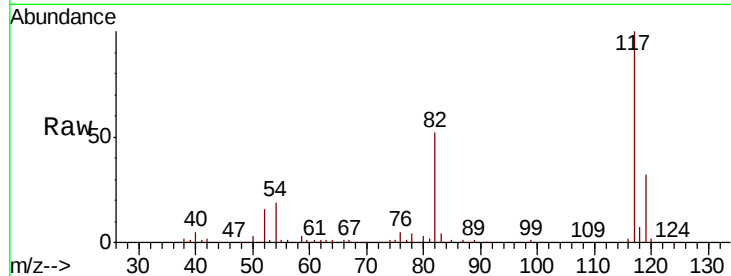




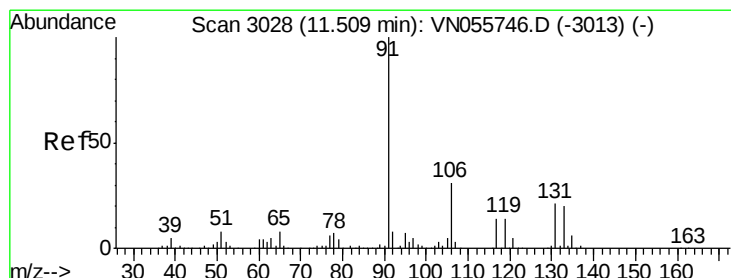
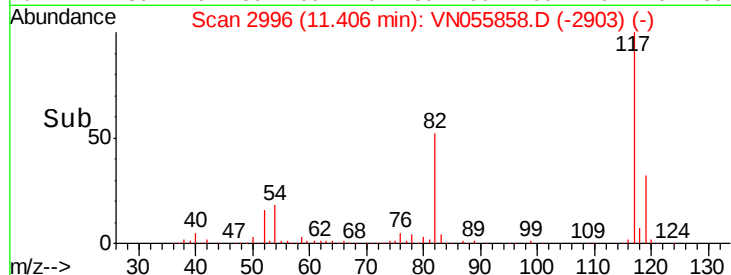
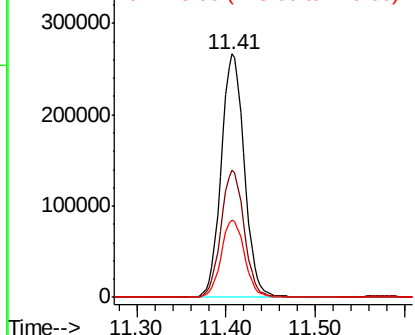
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055858.D
Acq: 28 May 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
B-14-11.5-12.0

Tot Ion:117 Resp: 478713
Ion Ratio Lower Upper
117 100
82 52.5 41.8 62.8
119 31.9 25.4 38.0

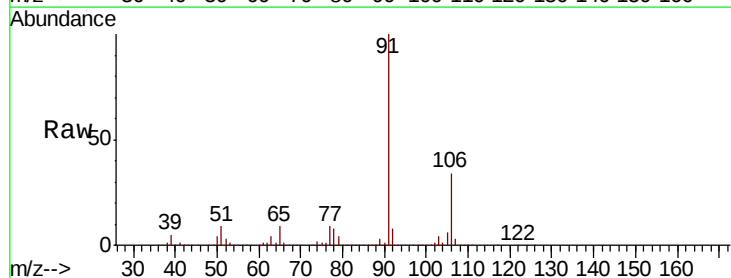


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

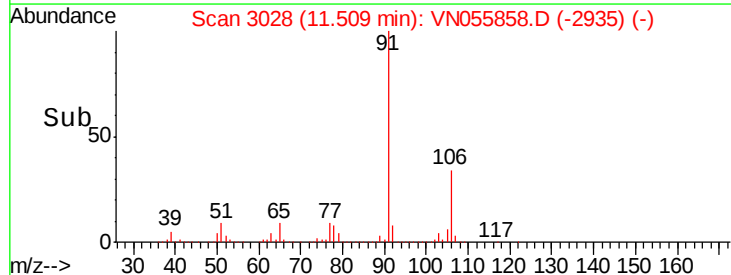
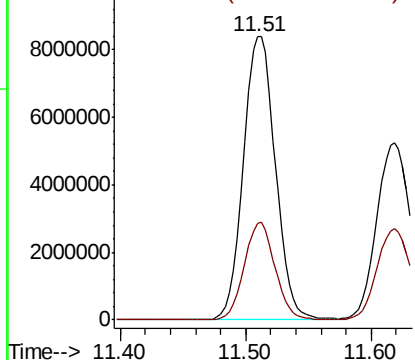


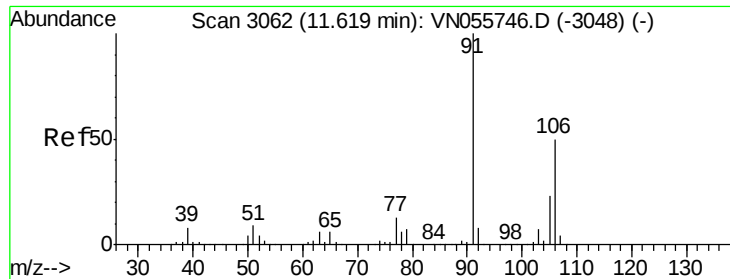
#67
Ethyl Benzene
Concen: 864.083 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055858.D
Acq: 28 May 2019 17:27

Tgt Ion: 91 Resp:14849783
Ion Ratio Lower Upper
91 100
106 34.3 25.1 37.7



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

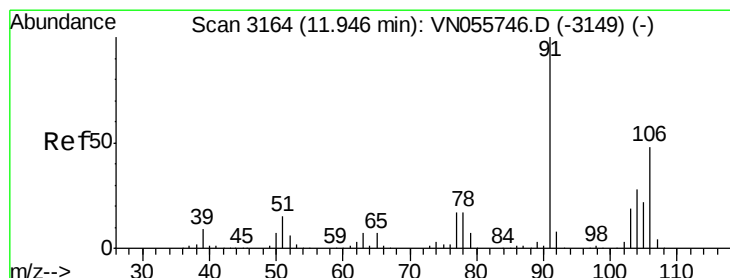
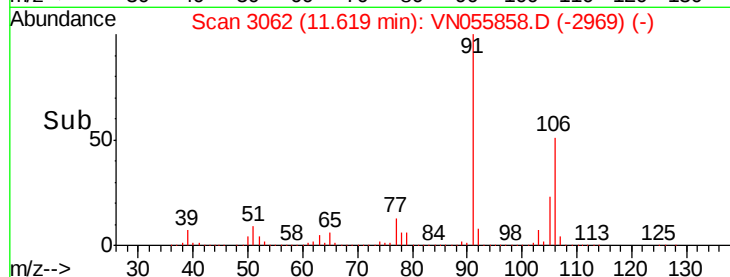
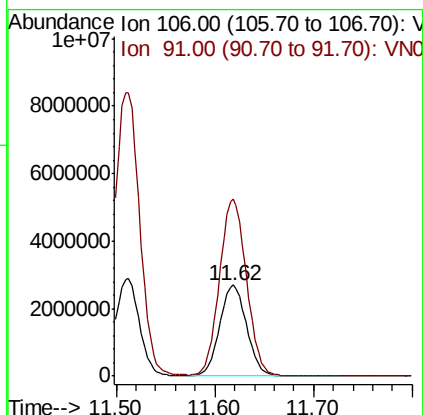
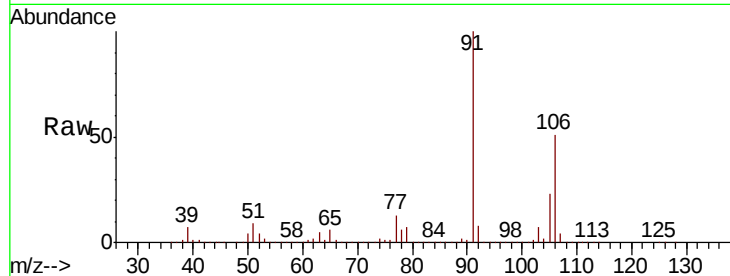




#68
m/p-Xylenes
Concen: 794.962 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055858.D
Acq: 28 May 2019 17:27

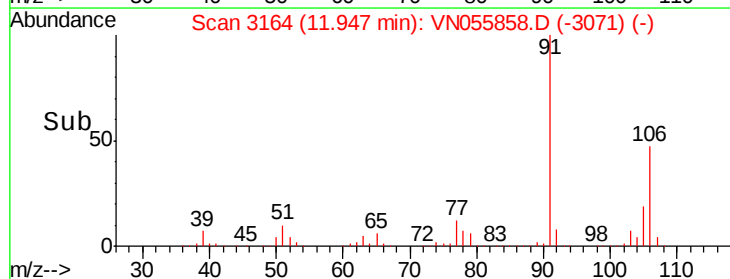
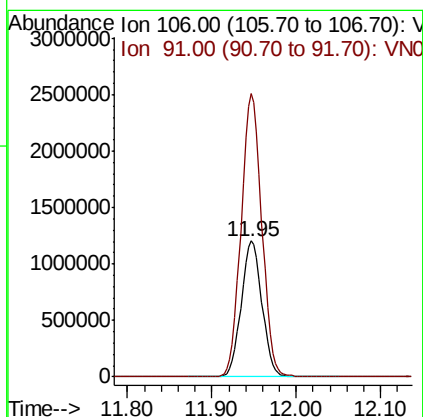
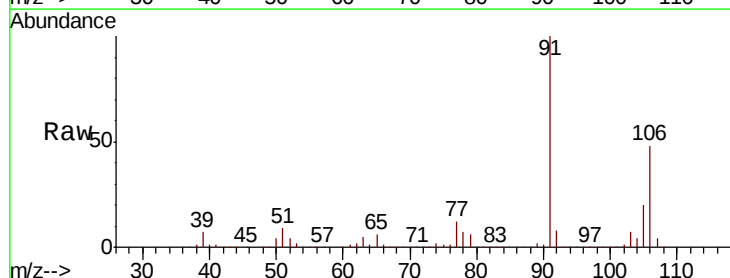
Instrument :
MSVOA_N
ClientSampleId :
B-14-11.5-12.0

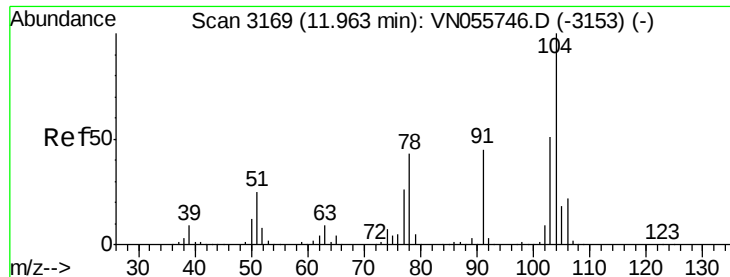
Tot Ion:106 Resp: 5164859
Ion Ratio Lower Upper
106 100
91 195.7 159.3 238.9



#69
o-Xylene
Concen: 319.763 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055858.D
Acq: 28 May 2019 17:27

Tgt Ion:106 Resp: 2061153
Ion Ratio Lower Upper
106 100
91 208.0 104.7 314.1





#70

Stvrene

Concen: 29.884 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

B-14-11.5-12.0

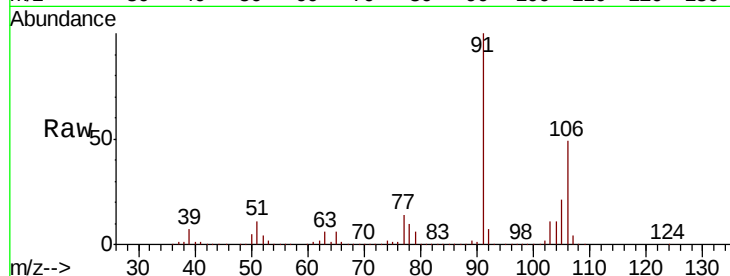
Tot Ion:104 Resp: 311941

Ion Ratio Lower Upper

104 100

78 114.4 37.8 56.6#

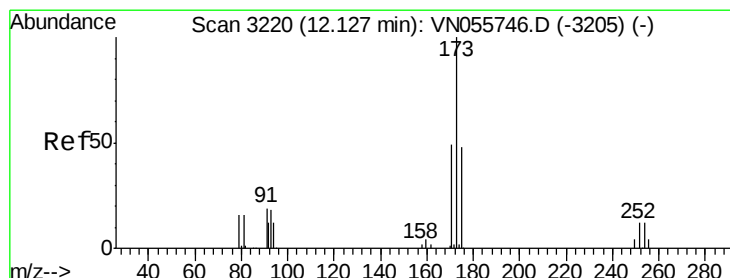
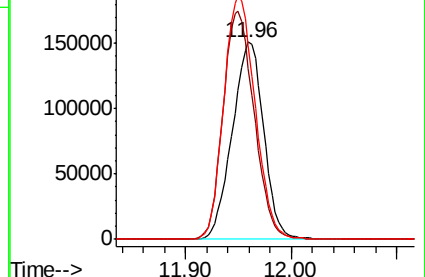
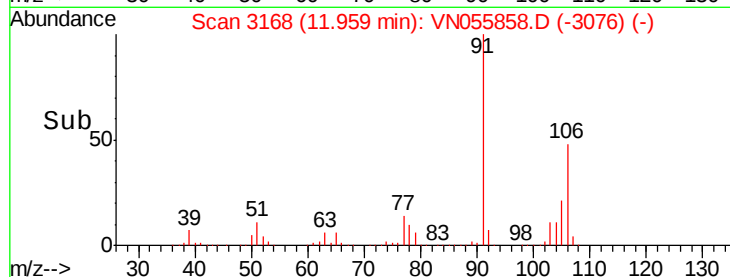
103 122.6 44.2 66.2#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.491 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

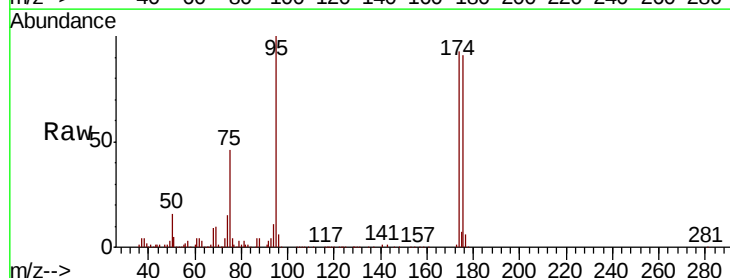
Tgt Ion:173 Resp: 1600

Ion Ratio Lower Upper

173 100

175 854.8 24.3 72.8#

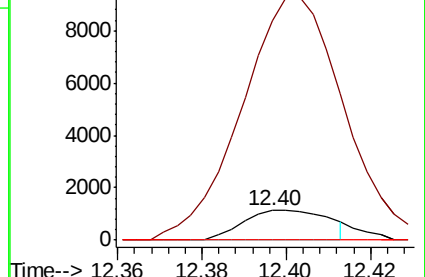
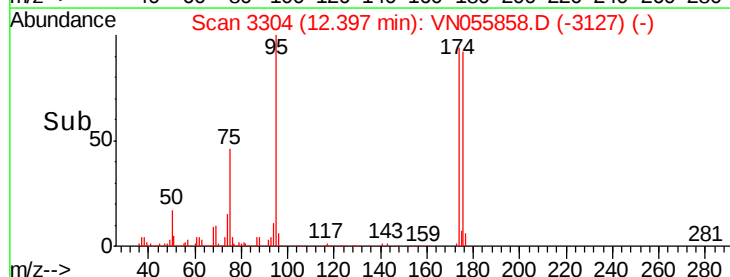
254 0.0 0.0 0.0

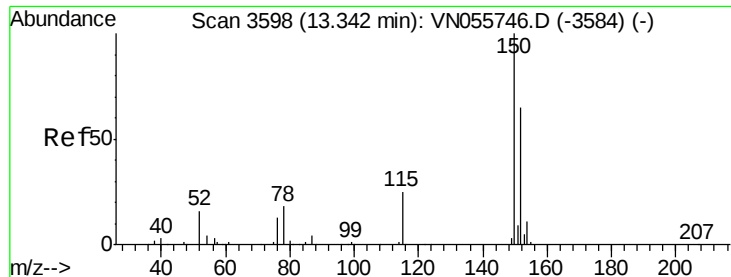


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

B-14-11.5-12.0

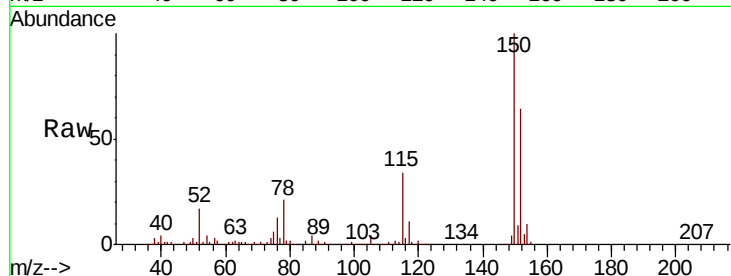
Tot Ion:152 Resp: 249022

Ion Ratio Lower Upper

152 100

115 50.8 27.0 81.0

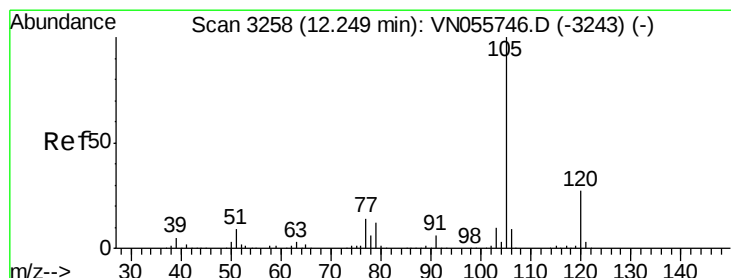
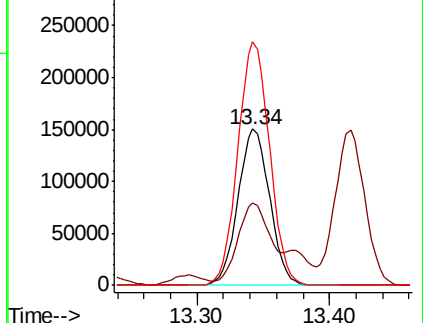
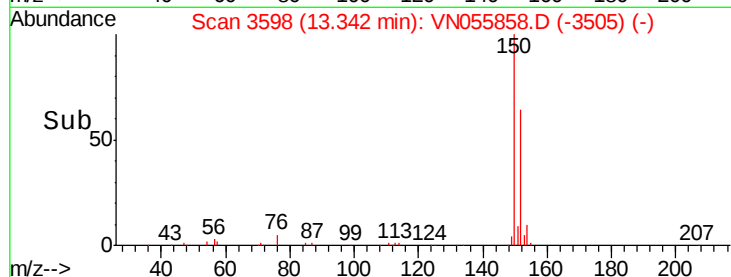
150 156.3 0.0 343.2



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: 40.164 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055858.D

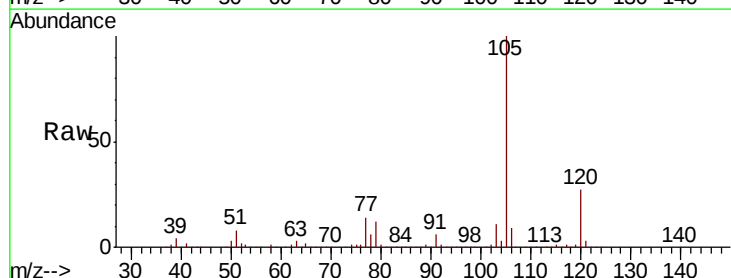
Acq: 28 May 2019 17:27

Tgt Ion:105 Resp: 720753

Ion Ratio Lower Upper

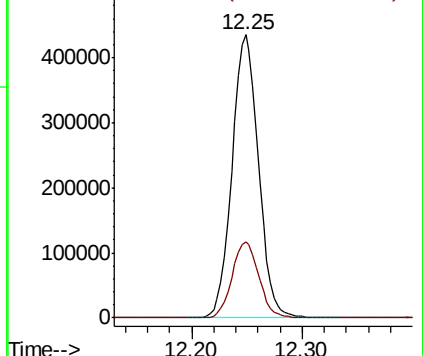
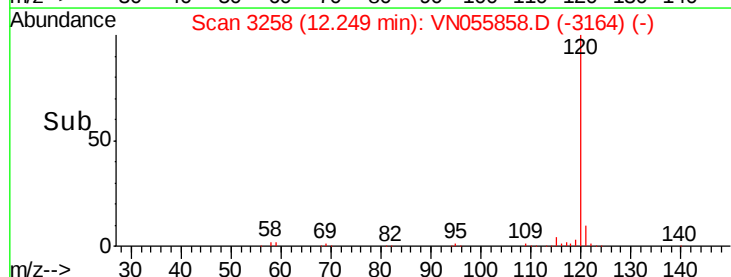
105 100

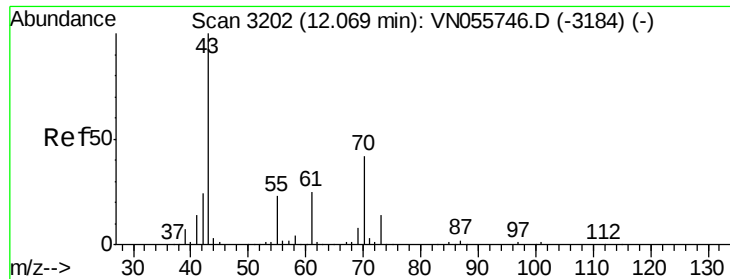
120 27.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: Below Cal

RT: 12.04 min Scan# 3193

Delta R.T. -0.03 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

B-14-11.5-12.0

Tot Ion: 43 Resp: 2868

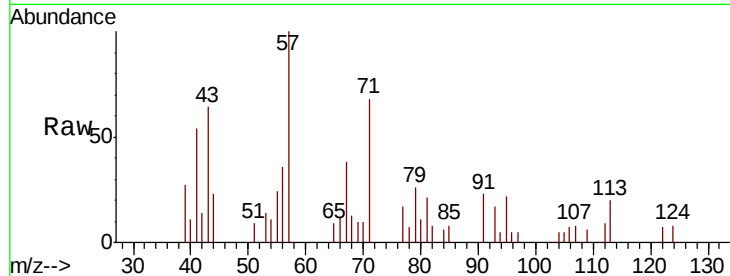
Ion Ratio Lower Upper

43 100

70 5.5 34.0 51.0#

55 10.5 18.6 28.0#

61 0.0 20.0 30.0#



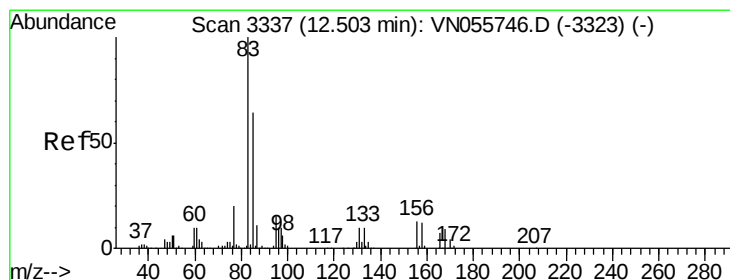
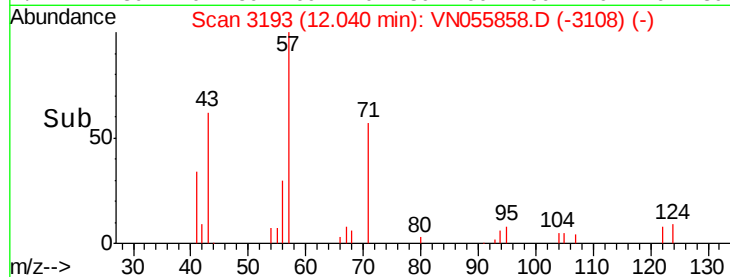
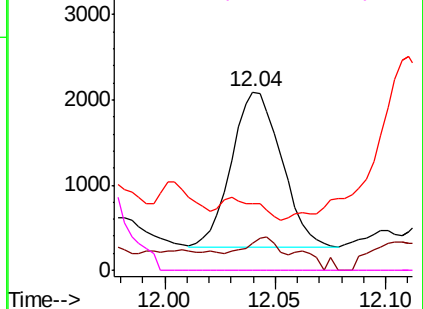
Abundance

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: 12.47 min Scan# 3328

Delta R.T. -0.03 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

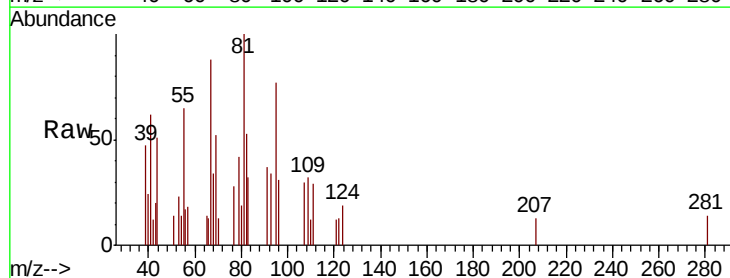
Tgt Ion: 83 Resp: 502

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

85 0.0 32.4 97.0#

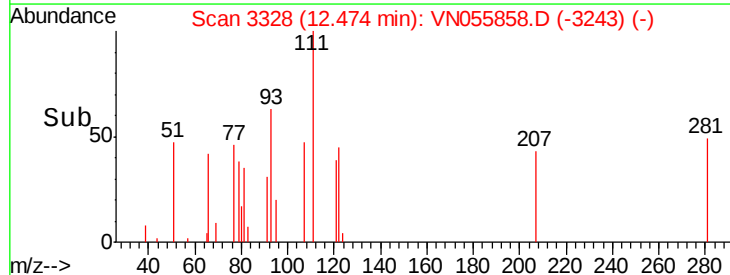
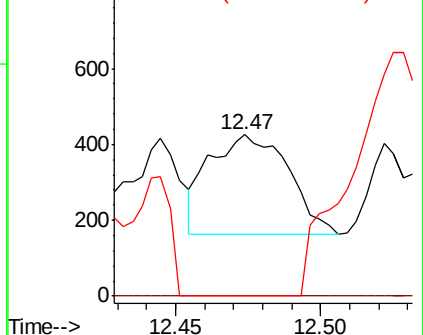


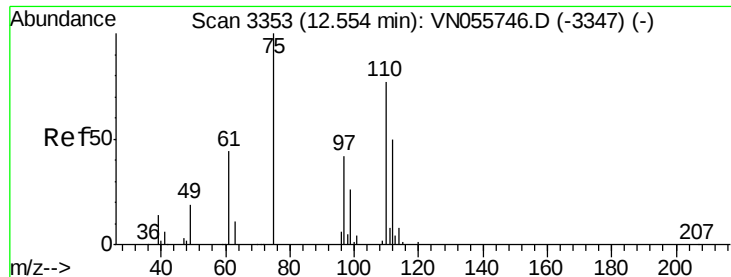
Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 7.181 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. 0.10 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampled :

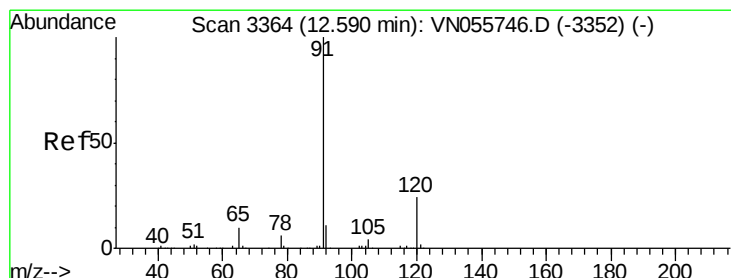
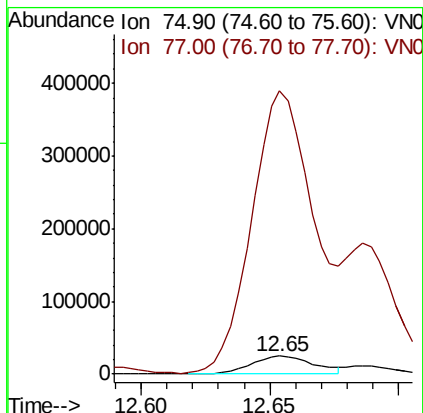
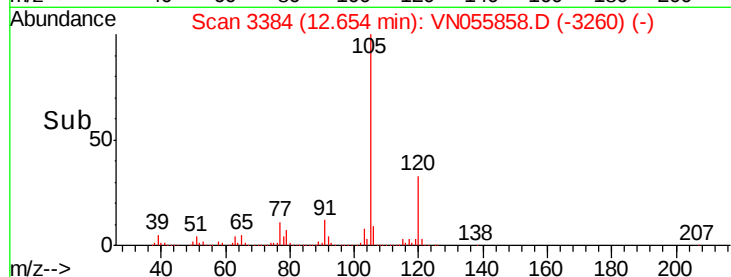
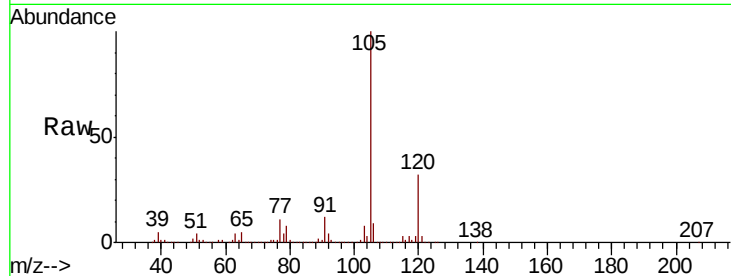
B-14-11.5-12.0

Tot Ion: 75 Resp: 42355

Ion Ratio Lower Upper

75 100

77 1543.5 0.0 0.0#



#78

n-propylbenzene

Concen: 16.890 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055858.D

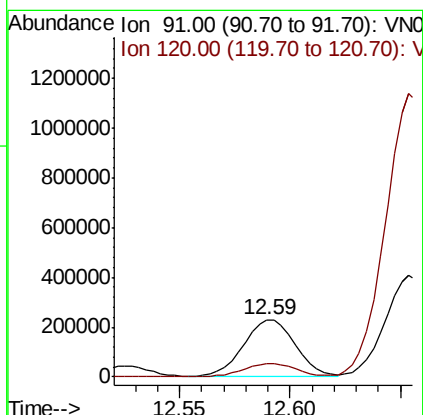
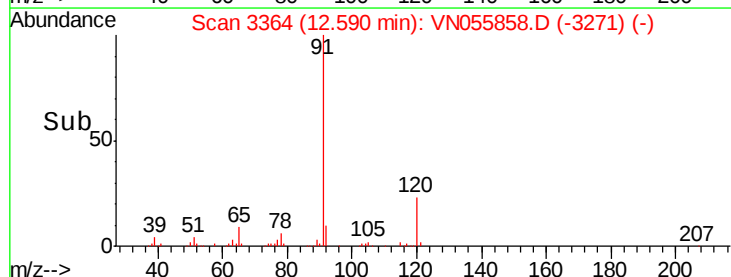
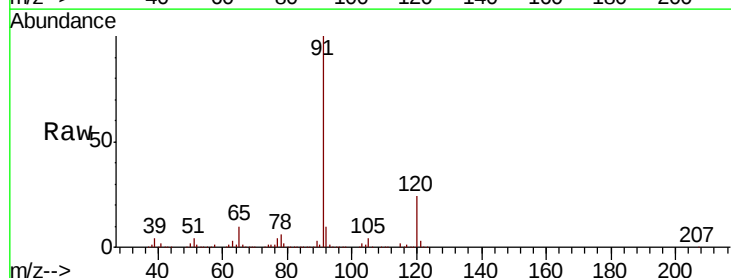
Acq: 28 May 2019 17:27

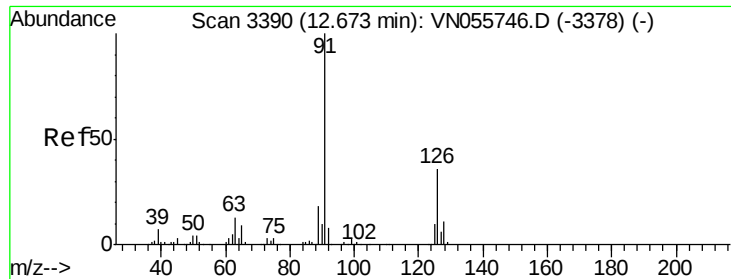
Tgt Ion: 91 Resp: 365552

Ion Ratio Lower Upper

91 100

120 25.1 12.0 36.0





#79

2-Chlorotoluene

Concen: 56.716 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

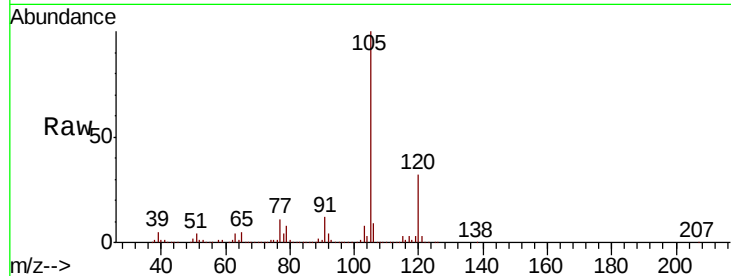
B-14-11.5-12.0

Tot Ion: 91 Resp: 657212

Ion Ratio Lower Upper

91 100

126 0.5 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)

12.65

400000

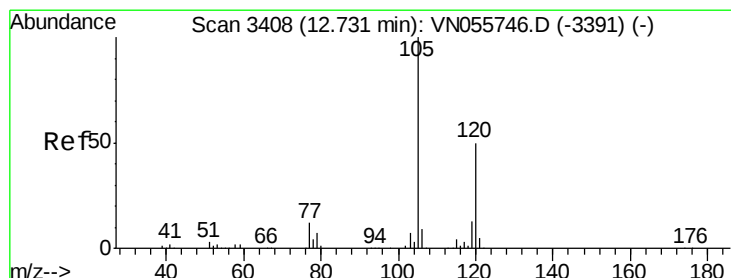
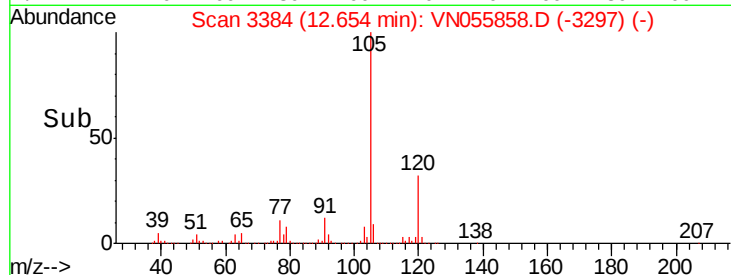
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 102.757 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055858.D

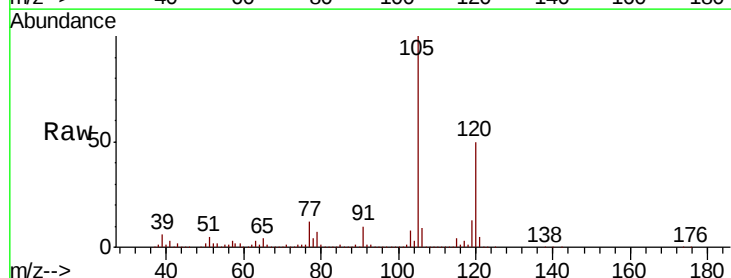
Acq: 28 May 2019 17:27

Tgt Ion:105 Resp: 1491862

Ion Ratio Lower Upper

105 100

120 51.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)

12.73

2000000

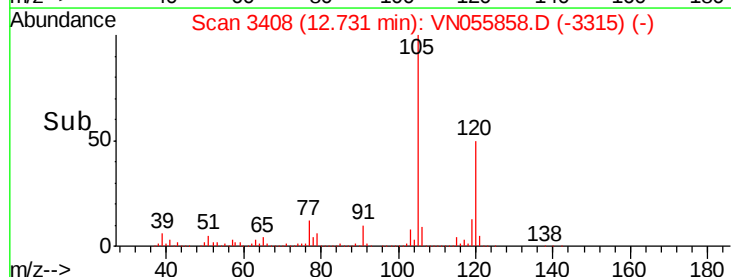
1500000

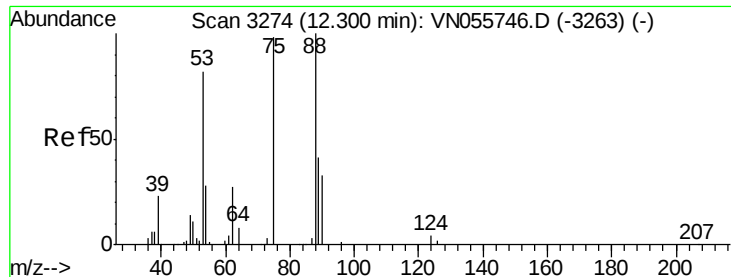
1000000

500000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 3.776 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

B-14-11.5-12.0

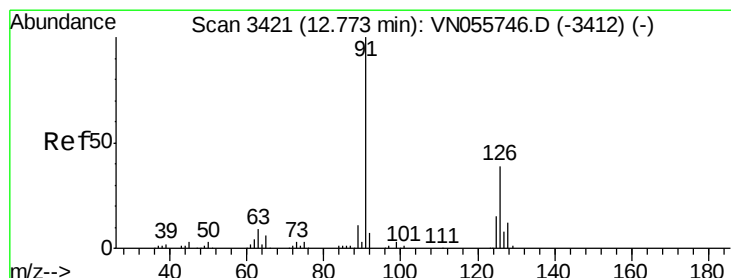
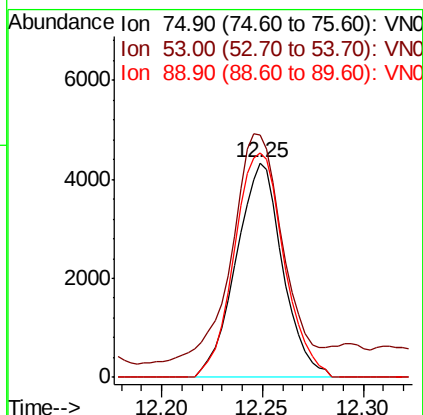
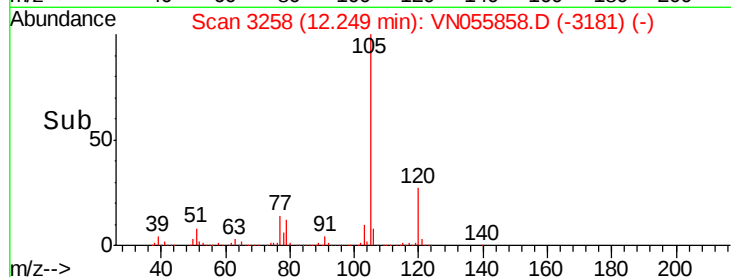
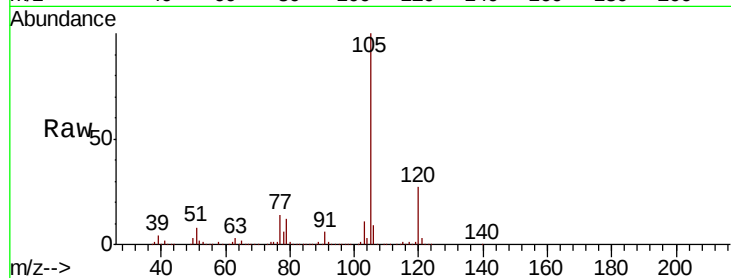
Tot Ion: 75 Resp: 6988

Ion Ratio Lower Upper

75 100

53 115.3 68.1 102.1#

89 111.9 36.9 55.3#



#82

4-Chlorotoluene

Concen: 11.438 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN055858.D

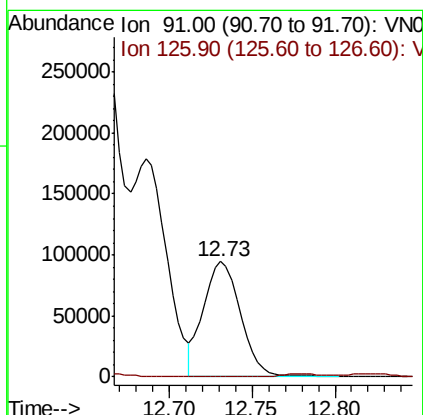
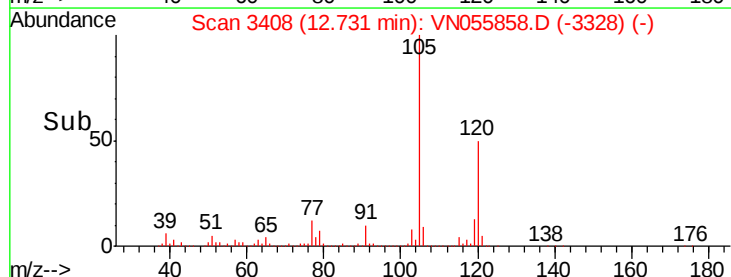
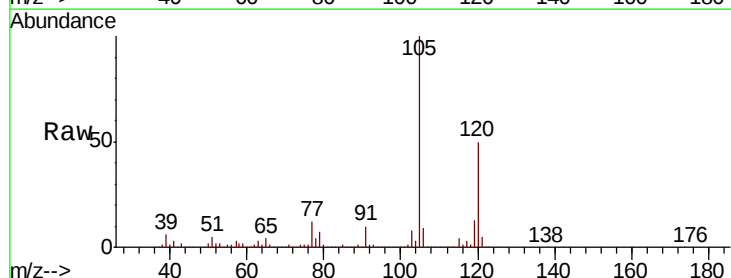
Acq: 28 May 2019 17:27

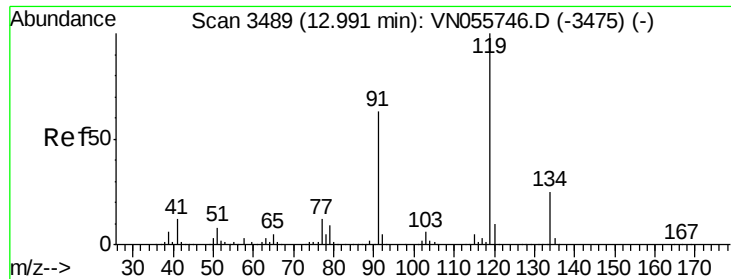
Tgt Ion: 91 Resp: 145524

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.3#

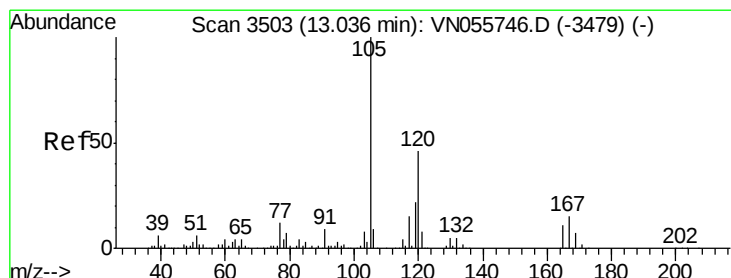
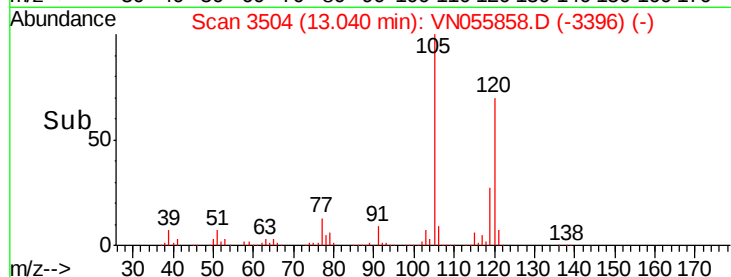
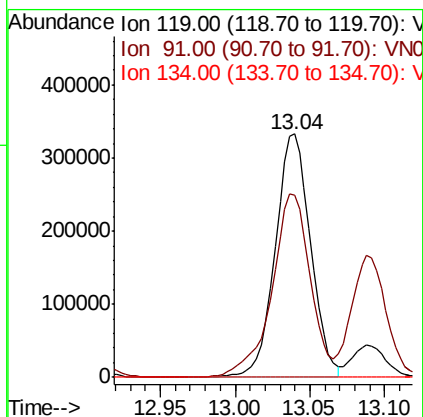
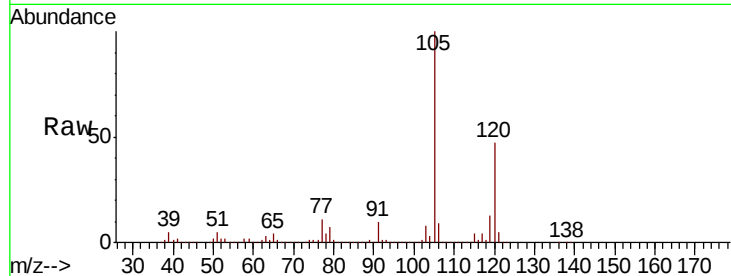




#83
 tert-Butylbenzene
 Concen: 41.725 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN055858.D
 Acq: 28 May 2019 17:27

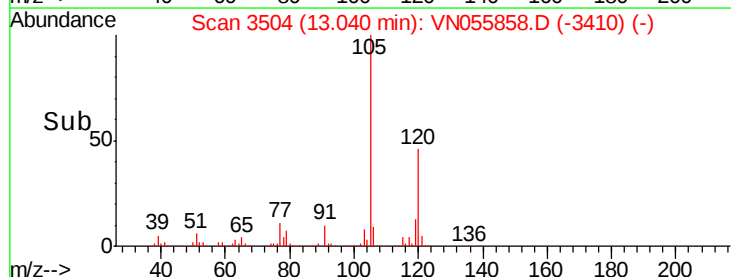
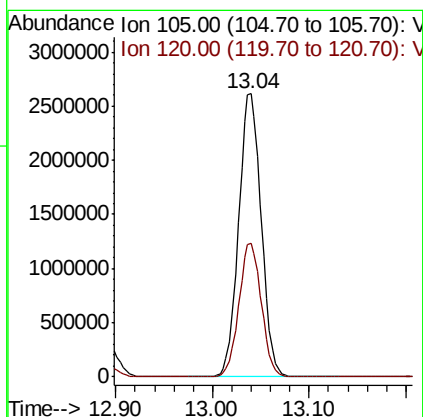
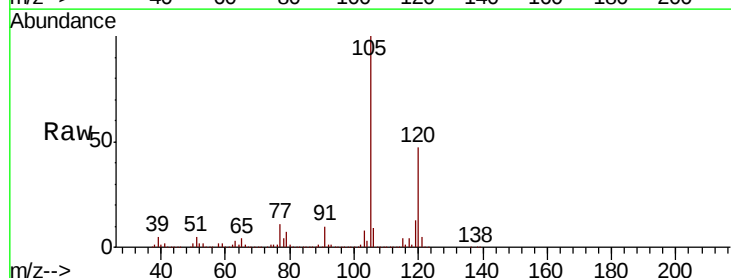
Instrument :
 MSVOA_N
 ClientSampled :
 B-14-11.5-12.0

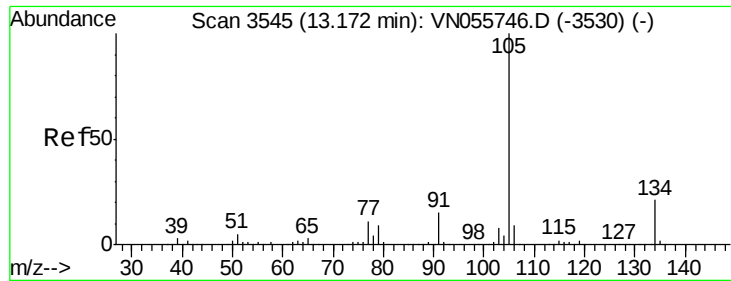
Tot Ion:119 Resp: 544228
 Ion Ratio Lower Upper
 119 100
 91 82.1 30.9 92.8
 134 0.0 13.3 39.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 294.810 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055858.D
 Acq: 28 May 2019 17:27

Tgt Ion:105 Resp: 4217879
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.0 69.0





#85

sec-Butylbenzene

Concen: 261.603 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

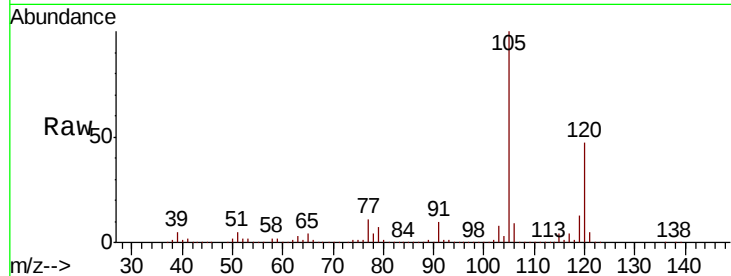
B-14-11.5-12.0

Tot Ion:105 Resp: 4217879

Ion Ratio Lower Upper

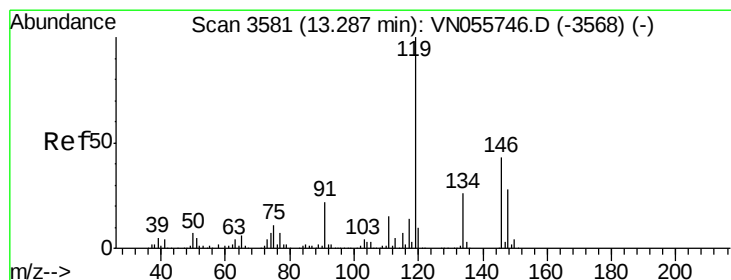
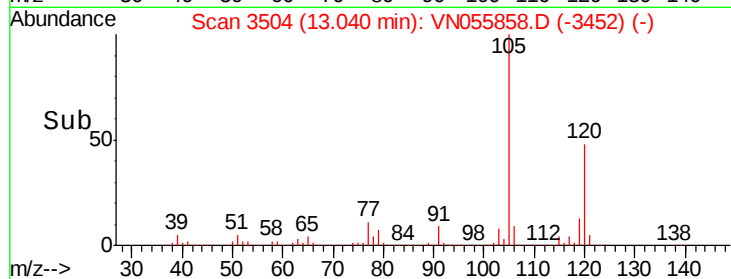
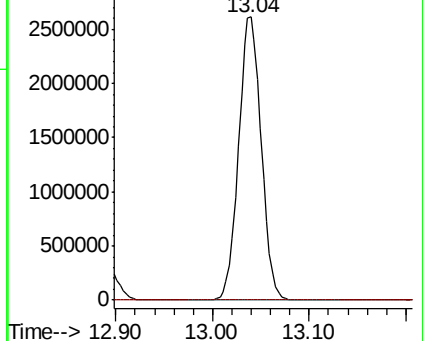
105 100

134 0.0 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.093 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

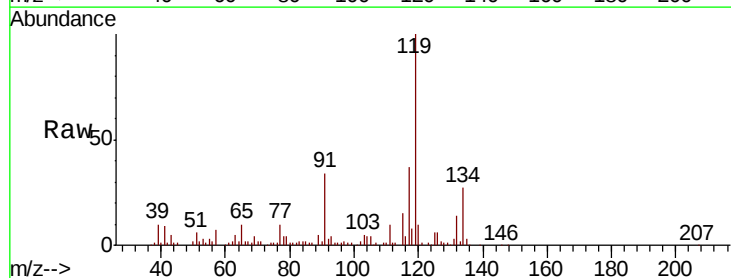
Tgt Ion:119 Resp: 88075

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

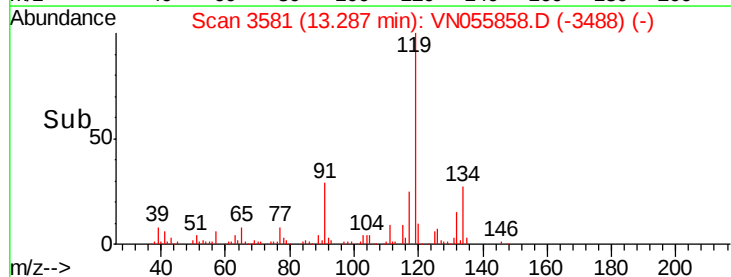
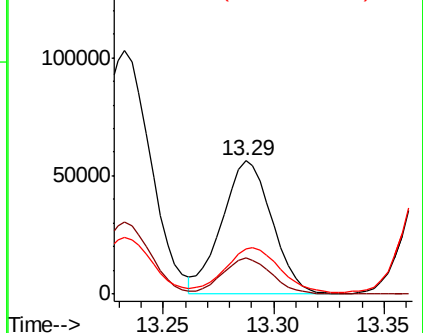
91 0.0 10.9 32.9#

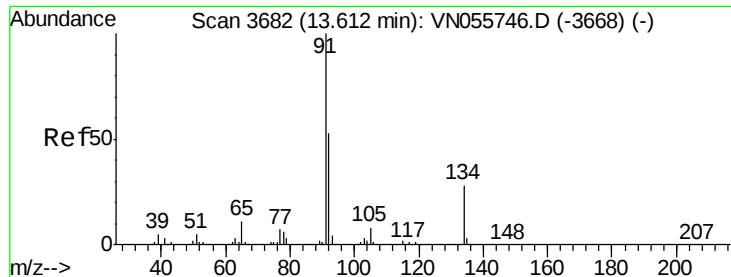


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 102.106 ug/l

RT: 13.54 min Scan# 3660

Delta R.T. -0.07 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

B-14-11.5-12.0

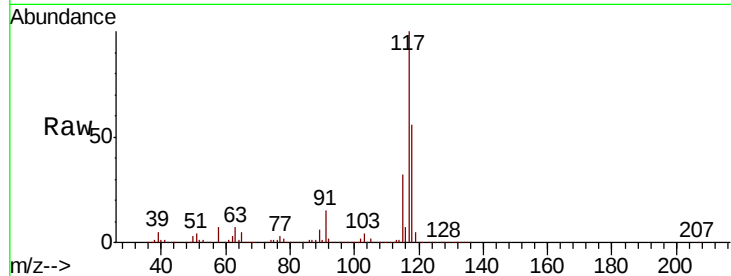
Tot Ion: 91 Resp: 1352951

Ion Ratio Lower Upper

91 100

92 10.3 26.4 79.0#

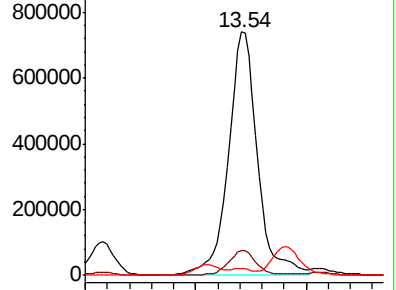
134 0.0 13.9 41.7#



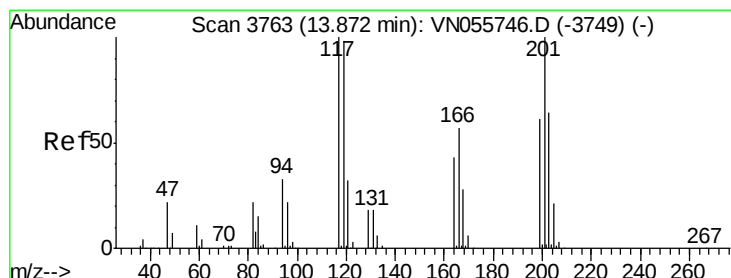
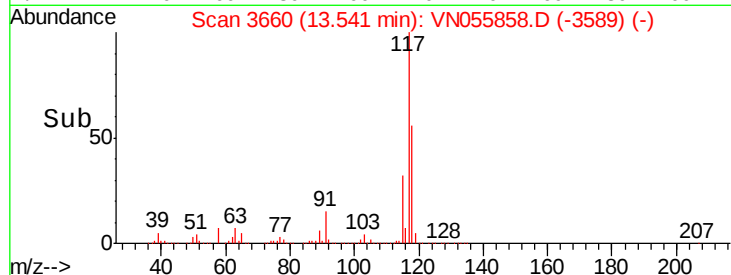
Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055746.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055746.D (-3668) (-)



Time--> 13.40 13.50 13.60



#90

Hexachloroethane

Concen: 14.009 ug/l

RT: 13.82 min Scan# 3748

Delta R.T. -0.05 min

Lab File: VN055858.D

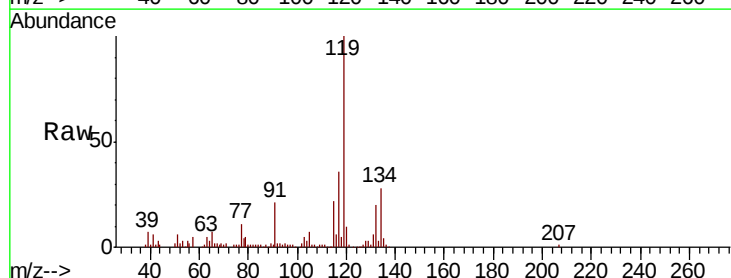
Acq: 28 May 2019 17:27

Tgt Ion: 117 Resp: 46112

Ion Ratio Lower Upper

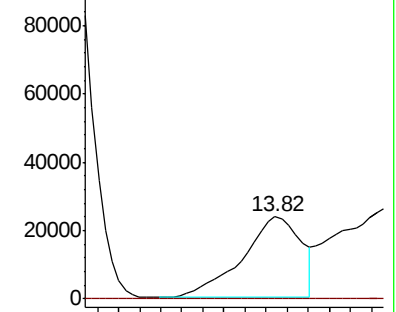
117 100

201 0.0 50.0 150.0#

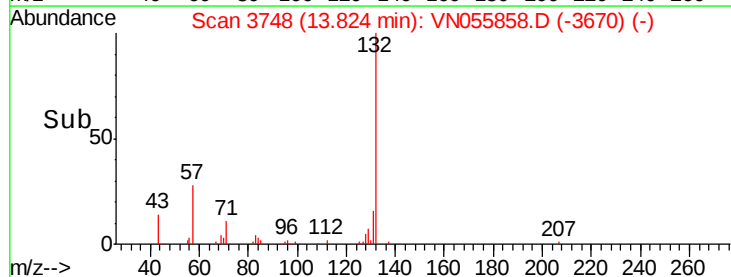


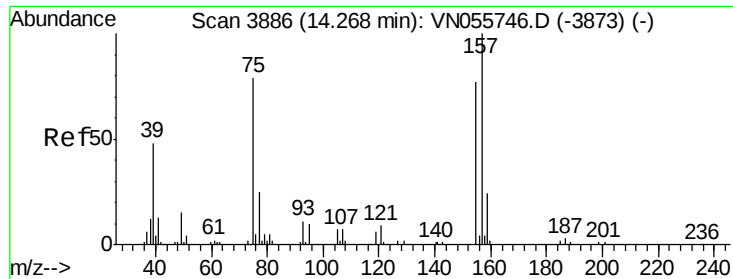
Abundance Ion 116.80 (116.50 to 117.50): VN055746.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055746.D (-3749) (-)



Time--> 13.75 13.80 13.85





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.098 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampled :

B-14-11.5-12.0

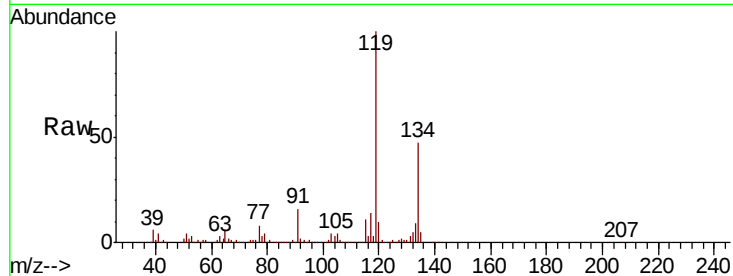
Tot Ion: 75 Resp: 1211

Ion Ratio Lower Upper

75 100

155 0.0 50.0 150.1#

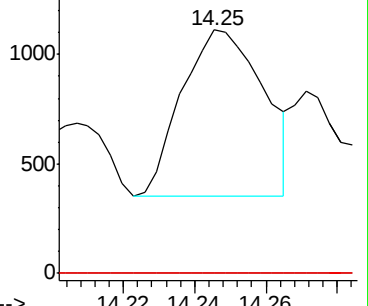
157 0.0 64.8 194.3#



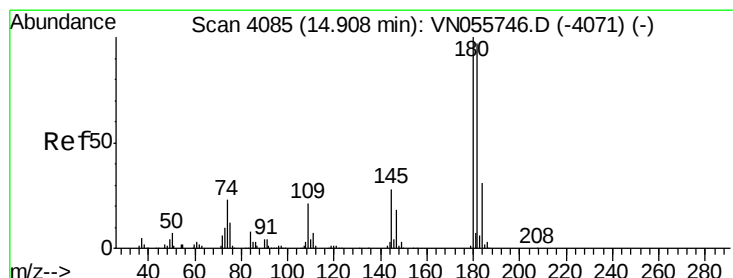
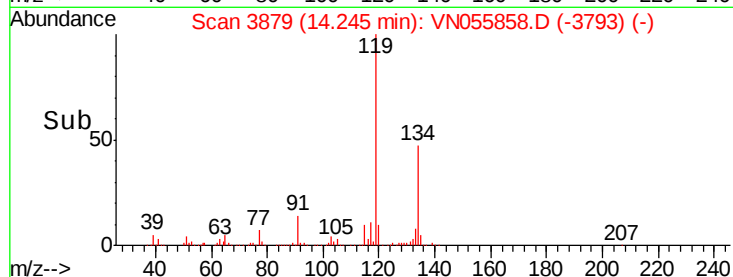
Abundance Ion 74.90 (74.60 to 75.60): VN055746.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN055746.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN055746.D (-3873) (-)



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.913 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

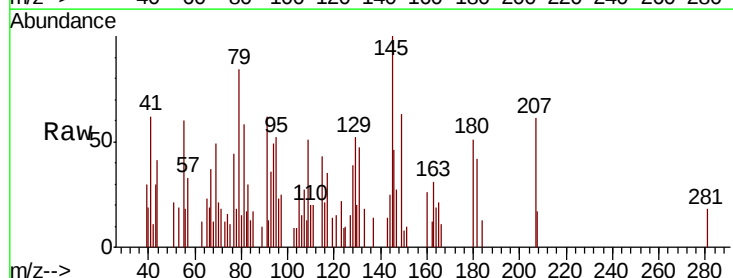
Tgt Ion: 180 Resp: 1439

Ion Ratio Lower Upper

180 100

182 89.9 48.3 144.9

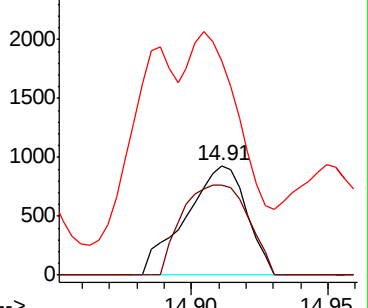
145 0.0 14.0 41.9#



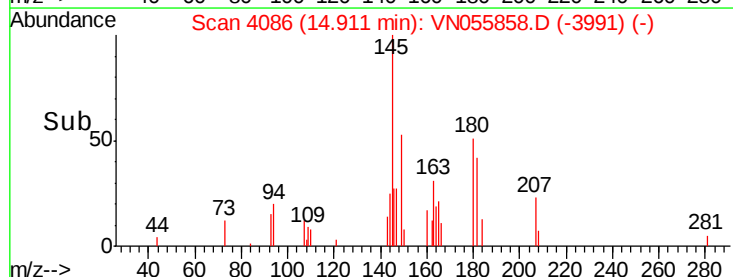
Abundance Ion 179.80 (179.50 to 180.50): VN055746.D (-4071) (-)

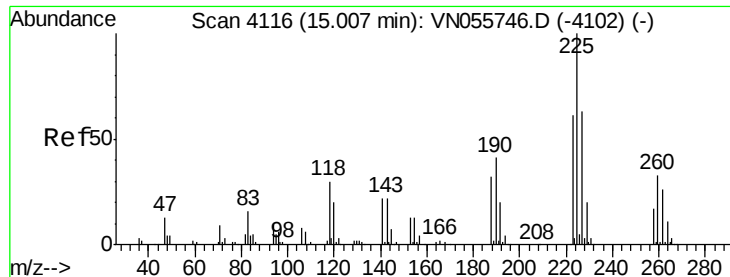
Ion 181.80 (181.50 to 182.50): VN055746.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN055746.D (-4071) (-)



Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

Instrument :

MSVOA_N

ClientSampled :

B-14-11.5-12.0

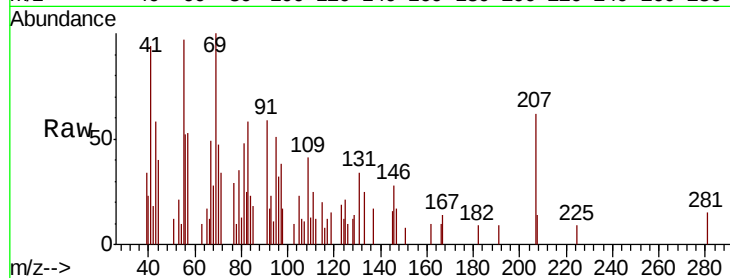
Tot Ion:225 Resp: 61

Ion Ratio Lower Upper

225 100

223 0.0 30.9 92.7#

227 0.0 31.6 94.7#



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

15.01

15.01

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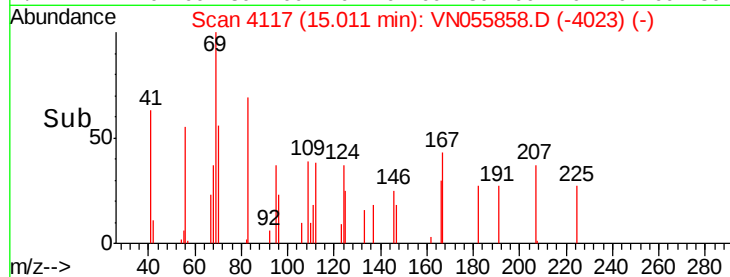
15.01

15.01

15.01

15.01

15.01



#95

Naphthalene

Concen: 854.027 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055858.D

Acq: 28 May 2019 17:27

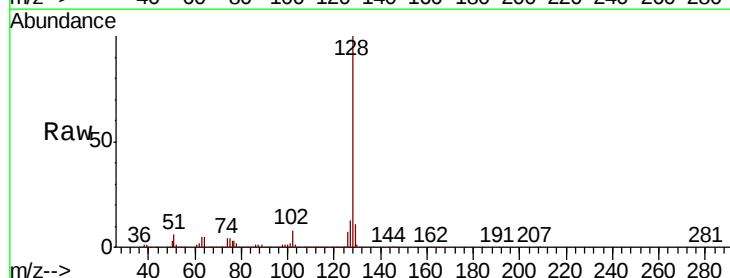
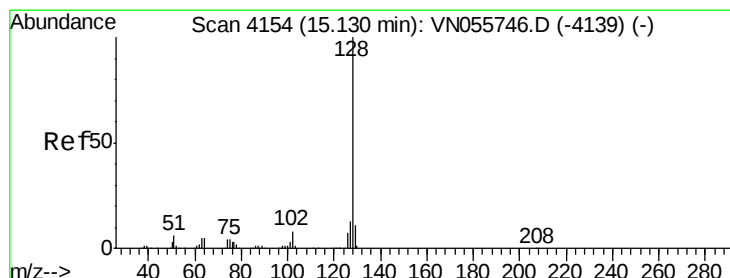
Tgt Ion:128 Resp: 9837961

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.0 8.7 13.1



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

15.13

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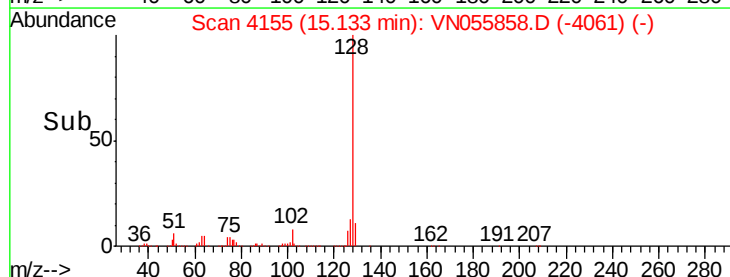
15.13

15.13

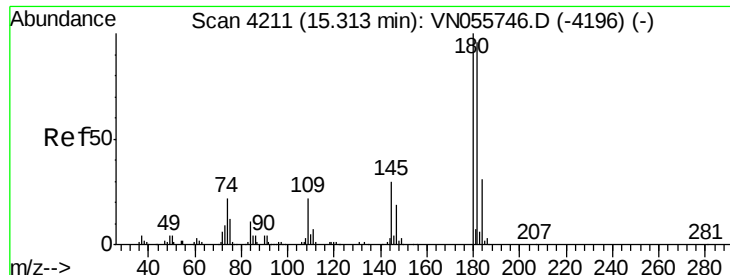
15.13

15.13

15.13



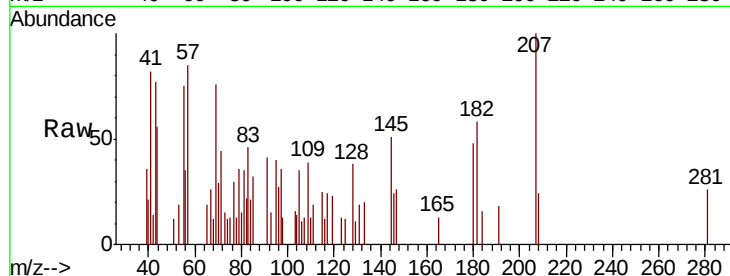
Time-->



#96
 1,2,3-Trichlorobenzene
 Concen: 0.356 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN055858.D
 Acq: 28 May 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 B-14-11.5-12.0

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.9	143.7
145	34.6	14.9	44.7



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

