

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055801.D
 Acq On : 24 May 2019 17:23
 Operator : JC/SP
 Sample : K2994-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8-S

Quant Time: May 25 04:29:20 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	454428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	642254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	589261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214893	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	209283	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	
35) Dibromofluoromethane	7.59	113	195496	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
50) Toluene-d8	10.09	98	756305	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	12.40	95	249119	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.81	59	286	0.319	ug/l #	74
13) Acrolein	3.61	56	534	0.832	ug/l #	32
16) Acetone	3.82	43	17895	8.675	ug/l	95
17) Carbon Disulfide	4.04	76	4393	0.400	ug/l	99
18) Methyl Acetate	4.33	43	2656	Below Cal	#	88
20) Methylene Chloride	4.55	84	5147	1.152	ug/l	97
25) 2-Butanone	6.85	43	4942	1.715	ug/l	90
29) Tetrahydrofuran	7.23	42	1137	0.623	ug/l #	52
31) Cyclohexane	7.66	56	6999	0.994	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	25582	4.571	ug/l #	48
38) Carbon Tetrachloride	7.66	117	36999	6.346	ug/l #	15
43) Isopropyl Acetate	8.17	43	13357	1.470	ug/l #	89
45) 1,2-Dichloropropane	9.26	63	1488	0.339	ug/l #	44
48) Methyl methacrylate	9.18	41	7241	1.729	ug/l #	12
51) 4-Methyl-2-Pentanone	9.98	43	4395	0.819	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	52760	7.549	ug/l #	56
57) 1,3-Dichloropropane	10.76	76	10556	1.528	ug/l #	42
59) 2-Hexanone	10.76	43	130019	34.143	ug/l #	50
68) m/p-Xylenes	11.62	106	1963	0.245	ug/l	95
71) Bromoform	12.40	173	1667	0.415	ug/l #	1
73) Isopropylbenzene	12.25	105	1237	Below Cal		83
74) N-amyl acetate	12.04	43	446	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	114988	29.804	ug/l #	100
79) 2-Chlorotoluene	12.77	91	1168	Below Cal		70
80) 1,3,5-Trimethylbenzene	12.73	105	4185	Below Cal		98
81) trans-1,4-Dichloro-2-buten	12.40	75	114988	71.996	ug/l #	15
83) tert-Butylbenzene	12.99	119	746	Below Cal	#	78
84) 1,2,4-Trimethylbenzene	13.04	105	5480	Below Cal		95
85) sec-Butylbenzene	13.17	105	1527	Below Cal		80
89) n-Butylbenzene	13.62	91	2326	0.203	ug/l	81
90) Hexachloroethane	14.00	117	686	0.242	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1384	3.945	ug/l	91
94) Hexachlorobutadiene	15.01	225	539	Below Cal		70
95) Naphthalene	15.13	128	8071	0.812	ug/l #	96

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QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

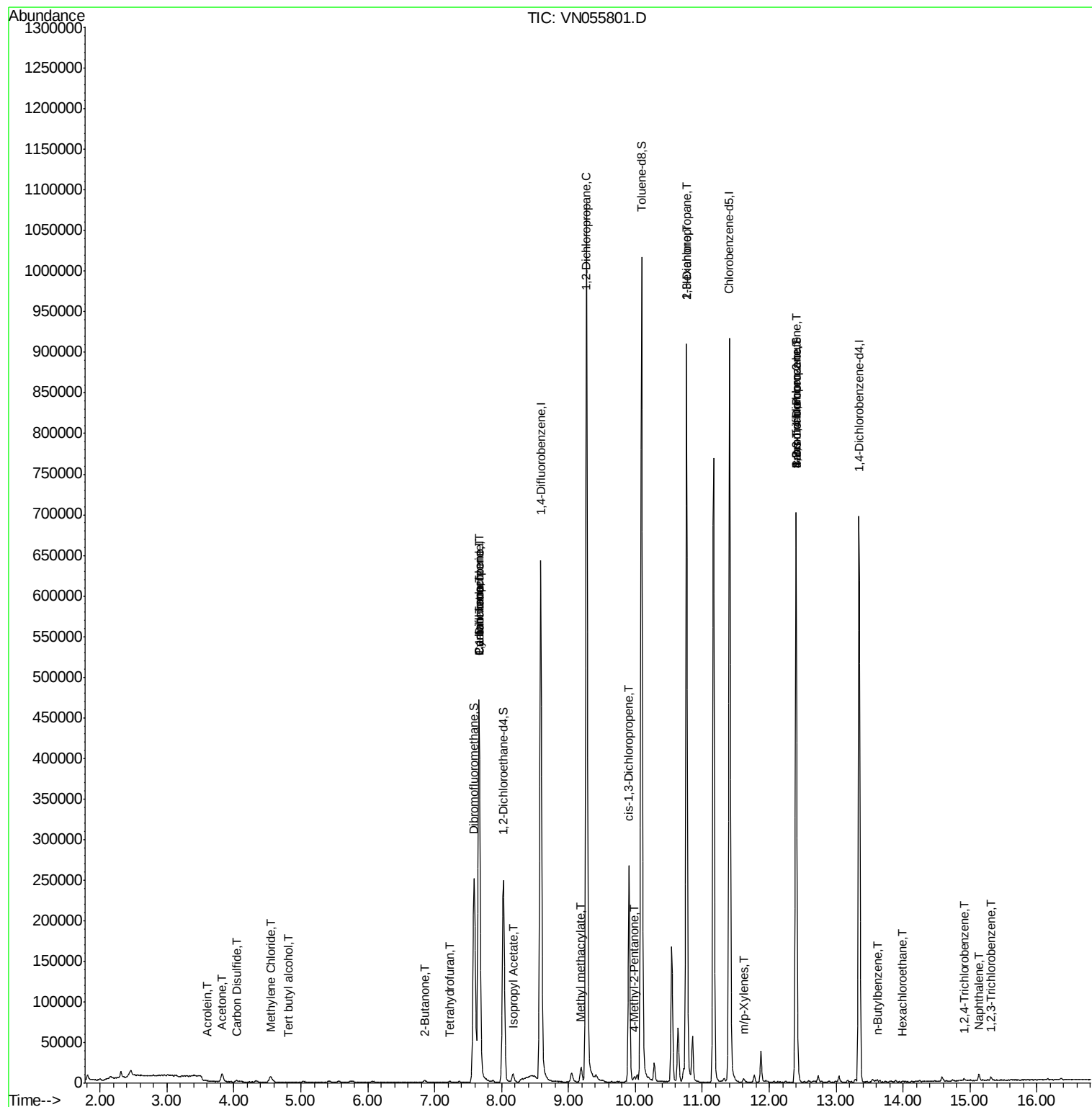
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	1873	0.489	ug/l	94

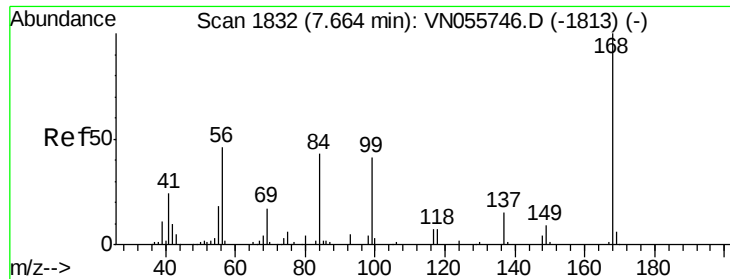
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
Data File : VN055801.D
Acq On : 24 May 2019 17:23
Operator : JC/SP
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

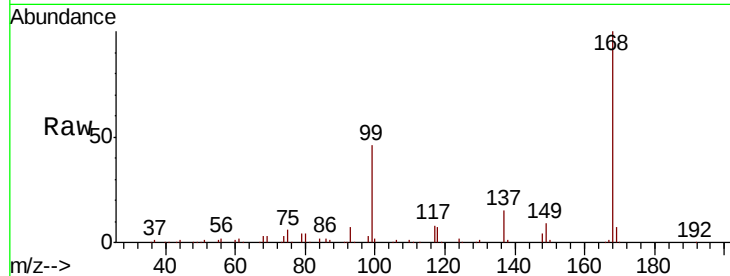
Instrument :
MSVOA_N
ClientSampled :
TP-8-S

Tot Ion:168 Resp: 454428

Ion Ratio Lower Upper

168 100

99 45.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055801.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055801.D (-1739) (-)

7.66

200000

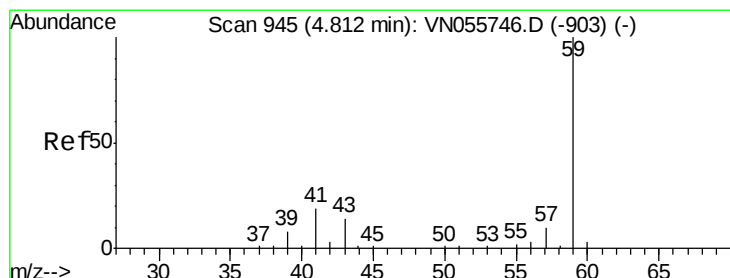
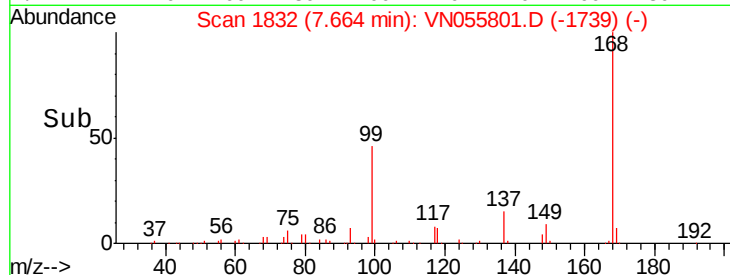
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.319 ug/l

RT: 4.81 min Scan# 946

Delta R.T. 0.00 min

Lab File: VN055801.D

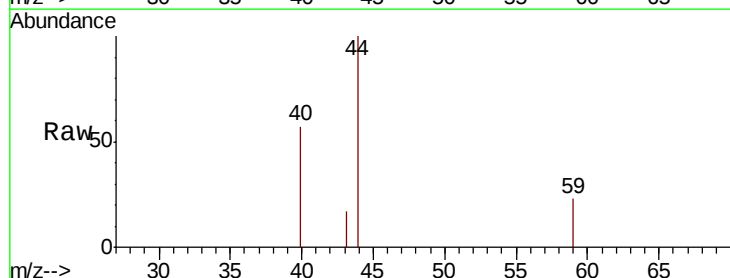
Acq: 24 May 2019 17:23

Tgt Ion: 59 Resp: 286

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055801.D (-852) (-)

Ion 57.00 (56.70 to 57.70): VN055801.D (-852) (-)

4.81

250

200

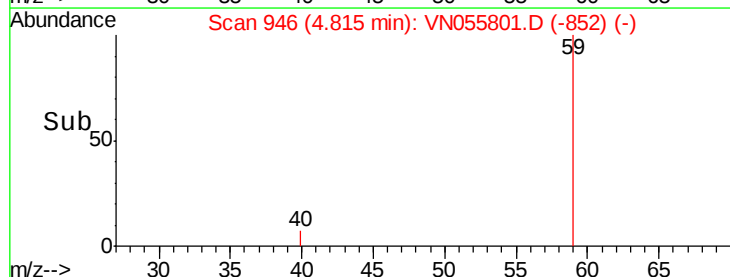
150

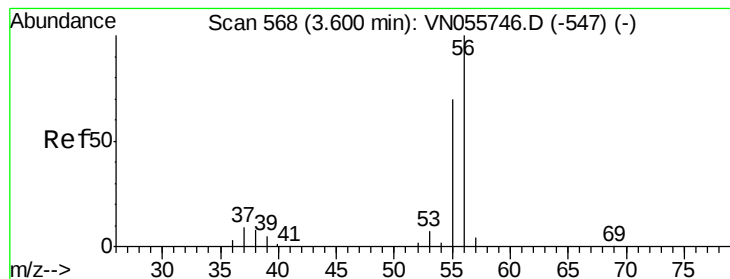
100

50

0

Time-->





#13

Acrolein

Concen: 0.832 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

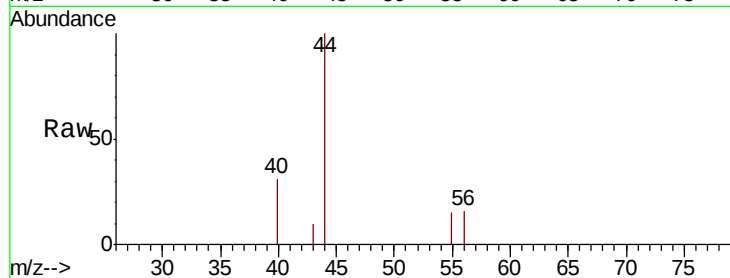
TP-8-S

Tot Ion: 56 Resp: 534

Ion Ratio Lower Upper

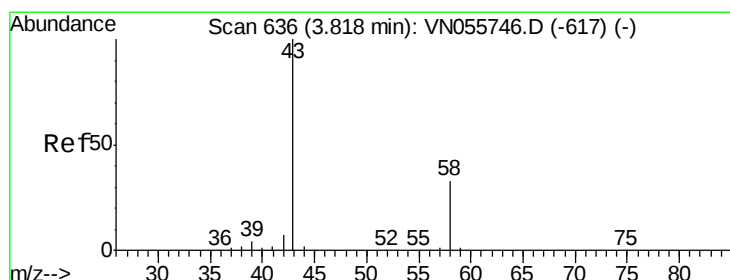
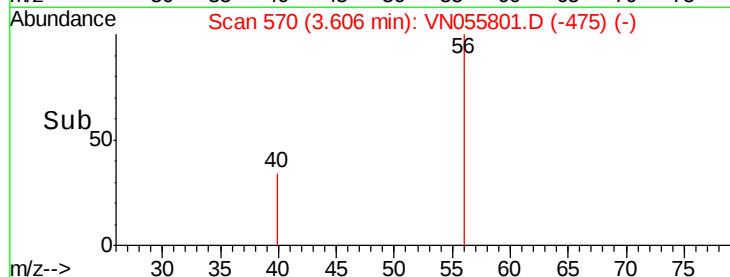
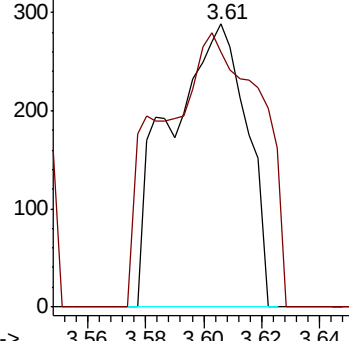
56 100

55 124.9 55.4 83.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 8.675 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055801.D

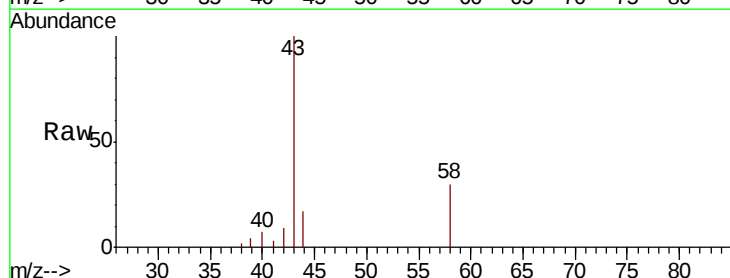
Acq: 24 May 2019 17:23

Tgt Ion: 43 Resp: 17895

Ion Ratio Lower Upper

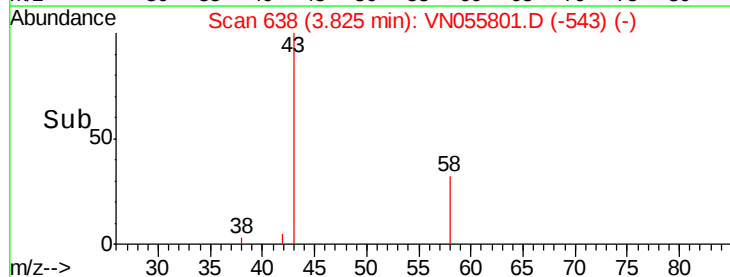
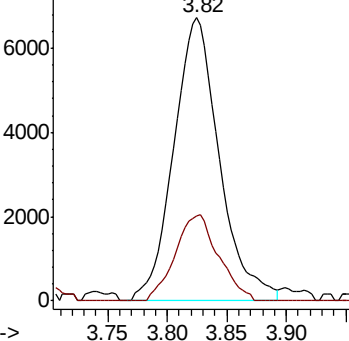
43 100

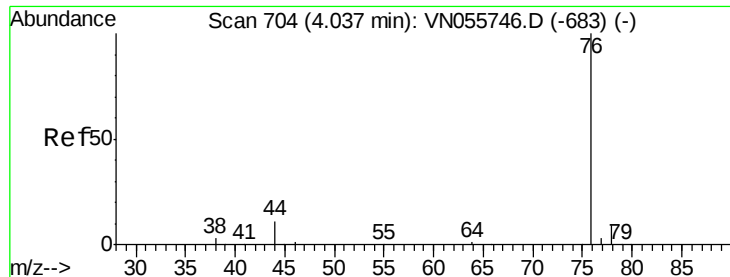
58 30.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

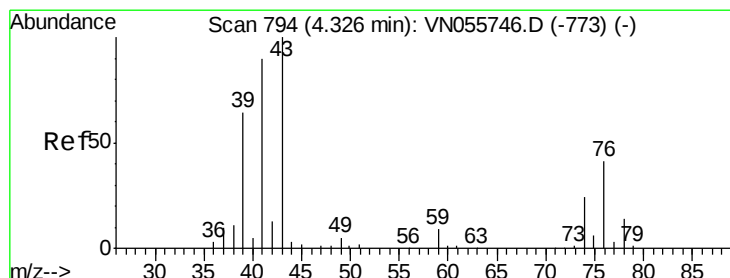
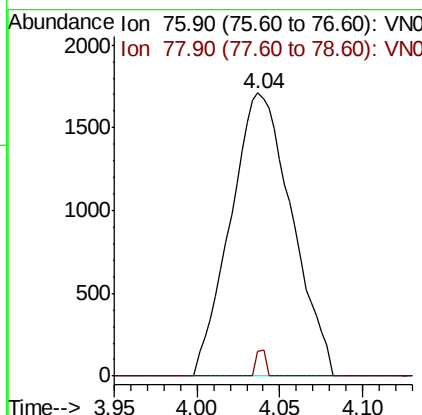
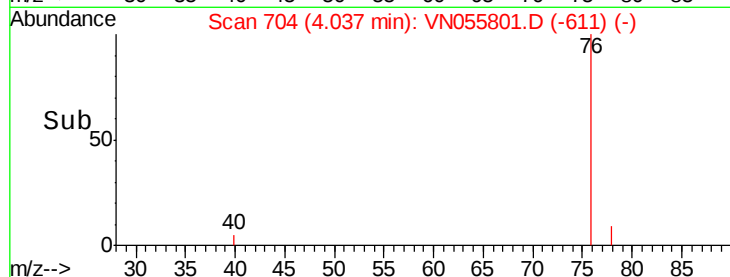
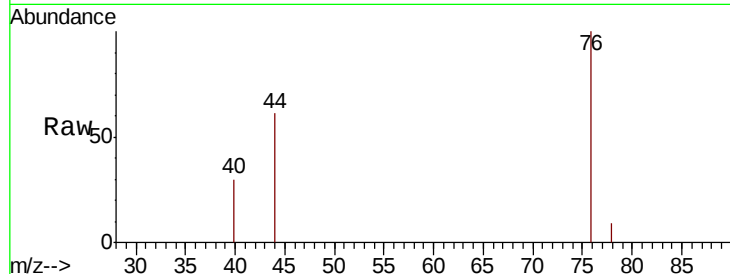




#17
Carbon Disulfide
Concen: 0.400 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055801.D
Acq: 24 May 2019 17:23

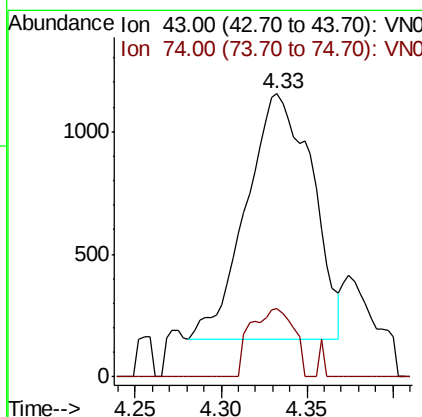
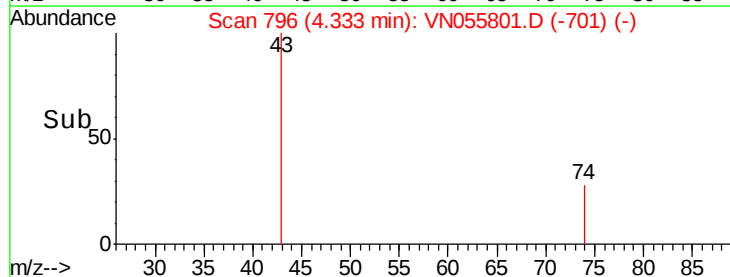
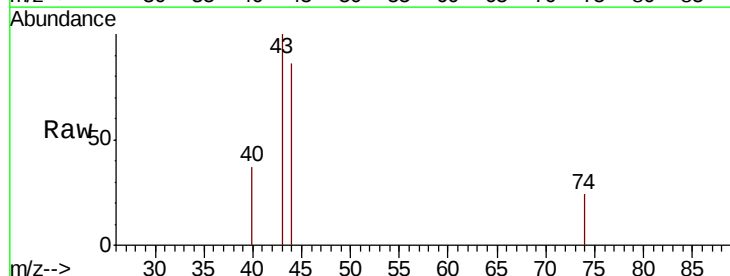
Instrument :
MSVOA_N
ClientSampleId :
TP-8-S

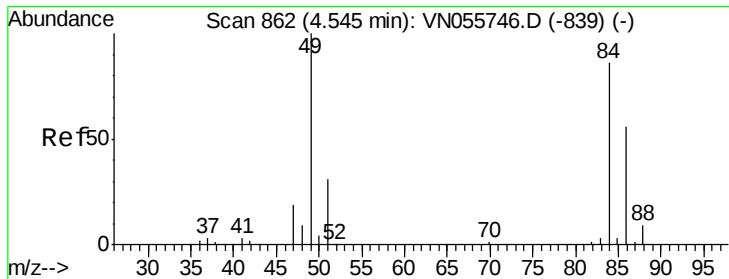
Tot Ion: 76 Resp: 4393
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055801.D
Acq: 24 May 2019 17:23

Tgt Ion: 43 Resp: 2656
Ion Ratio Lower Upper
43 100
74 18.1 19.3 28.9#



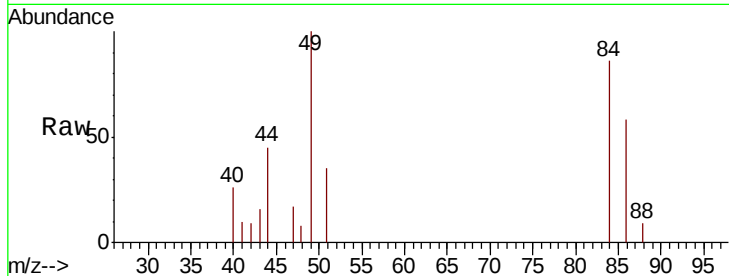


#20
Methvlene Chloride
Concen: 1.152 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055801.D
Acq: 24 May 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
TP-8-S

Tot Ion: 84 Resp: 5147

Ion	Ratio	Lower	Upper
84	100		
49	116.2	93.5	140.3
51	41.2	28.6	43.0
86	67.9	52.6	79.0



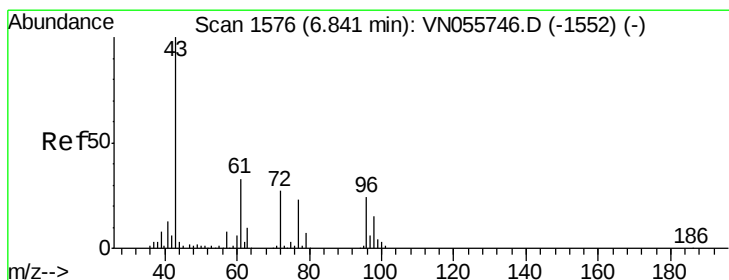
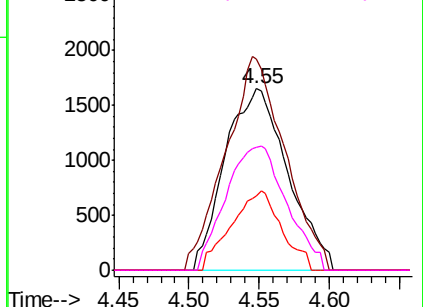
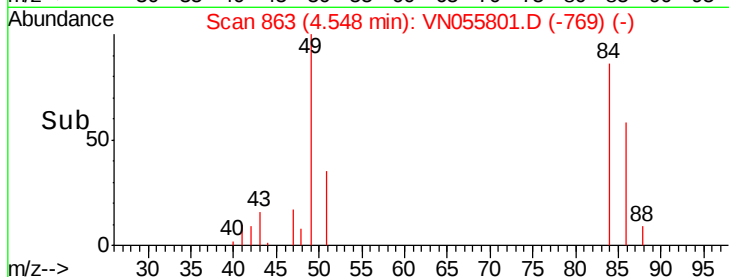
Abundance

Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

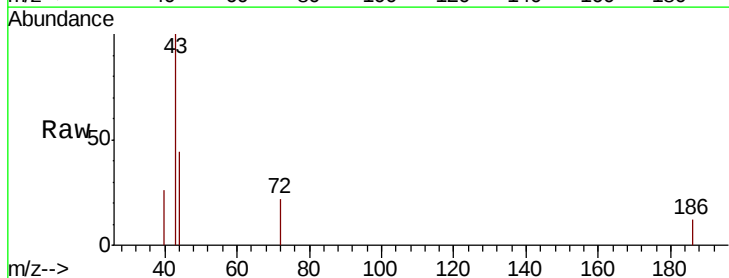
Ion 85.90 (85.60 to 86.60): VNC



#25
2-Butanone
Concen: 1.715 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN055801.D
Acq: 24 May 2019 17:23

Tgt Ion: 43 Resp: 4942

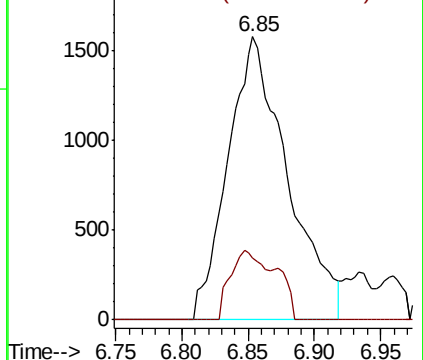
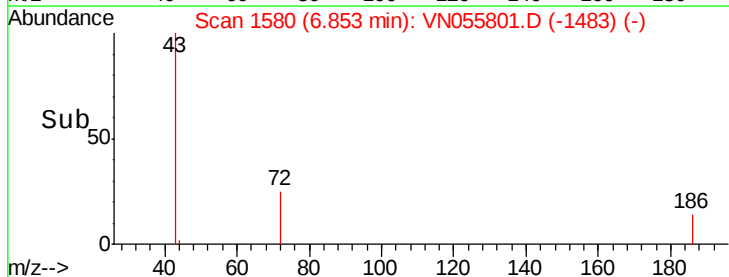
Ion	Ratio	Lower	Upper
43	100		
72	22.0	21.9	32.9

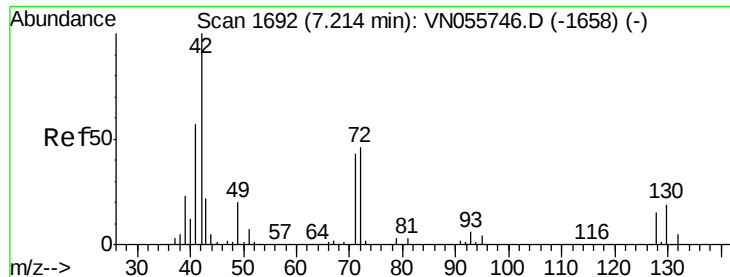


Abundance

Ion 43.00 (42.70 to 43.70): VNC

Ion 72.00 (71.70 to 72.70): VNC





#29

Tetrahydrofuran

Concen: 0.623 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

TP-8-S

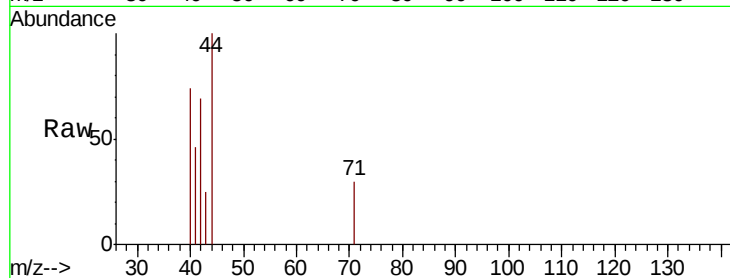
Tot Ion: 42 Resp: 1137

Ion Ratio Lower Upper

42 100

72 15.9 35.9 53.9#

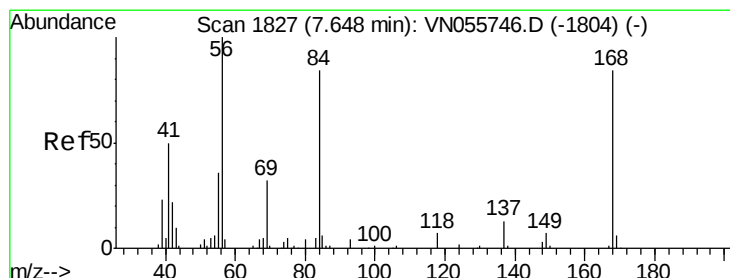
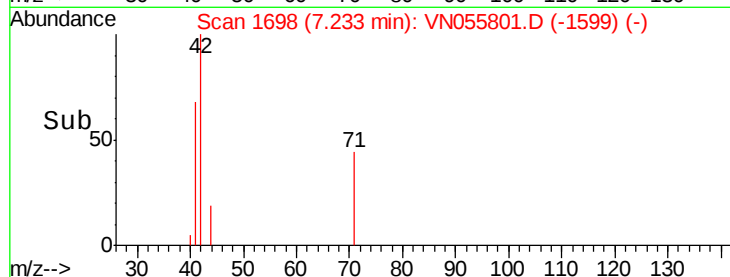
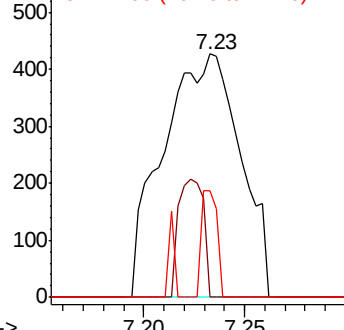
71 9.0 34.0 51.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.994 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

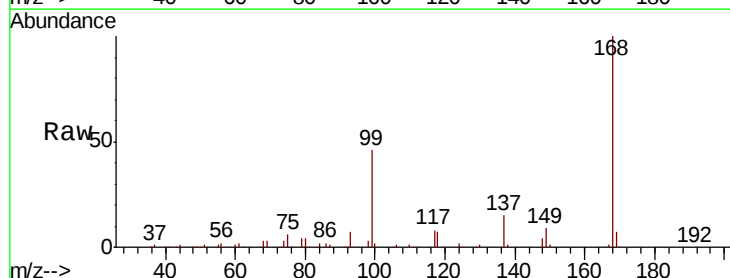
Tgt Ion: 56 Resp: 6999

Ion Ratio Lower Upper

56 100

69 185.1 25.6 38.4#

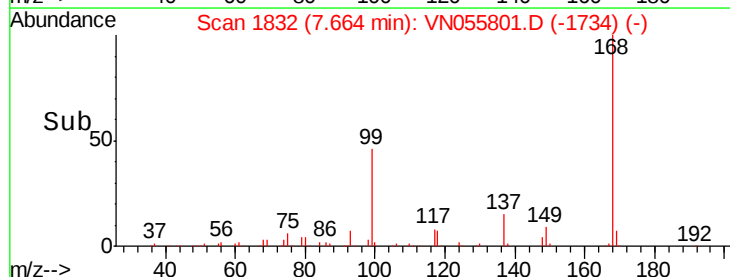
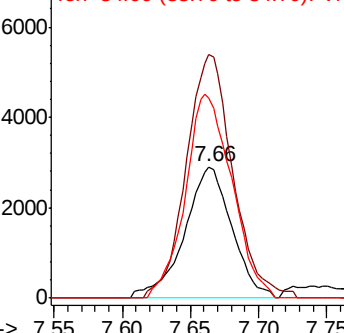
84 152.2 67.4 101.0#

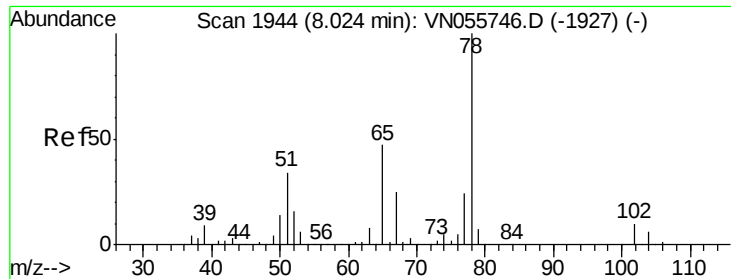


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

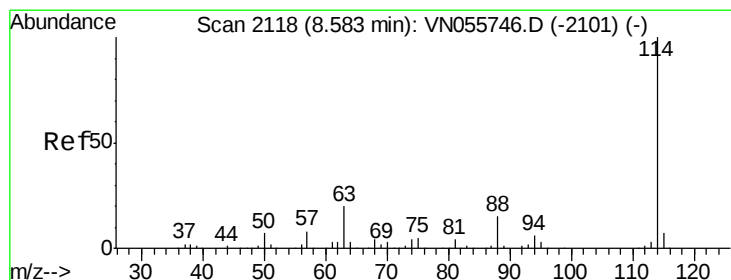
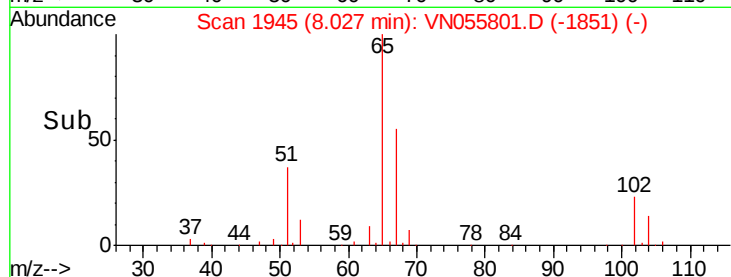
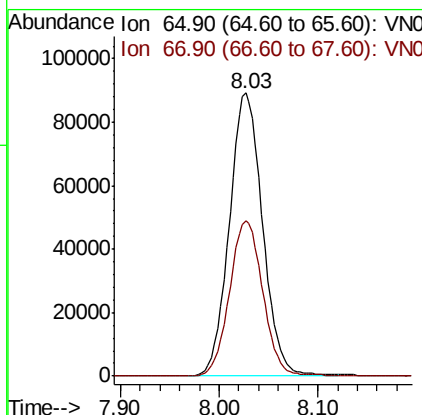
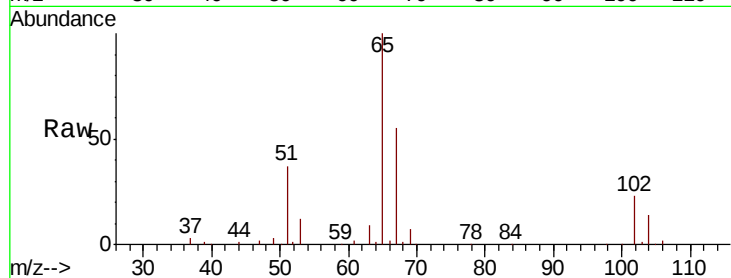




#33
 1,2-Dichloroethane-d4
 Concen: 44.595 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055801.D
 Acq: 24 May 2019 17:23

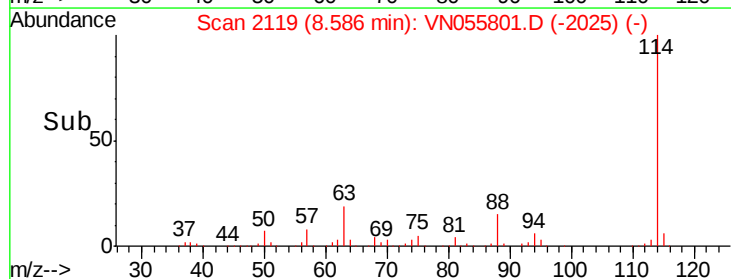
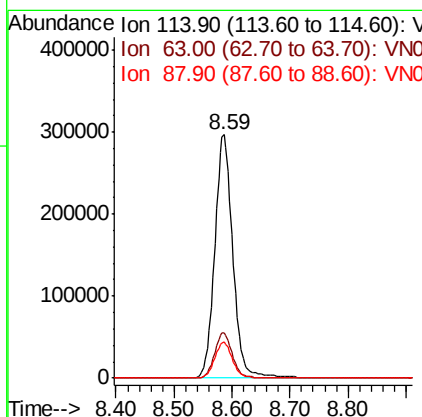
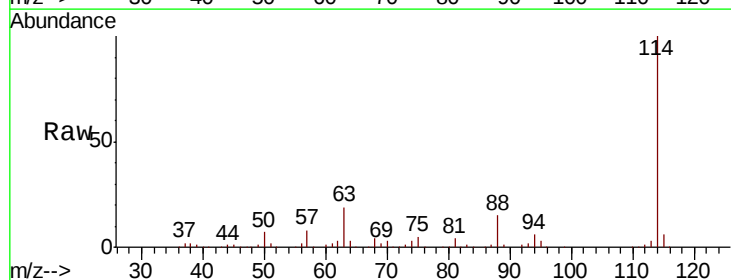
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8-S

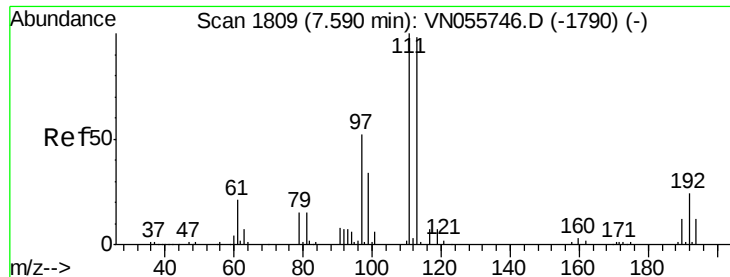
Tot Ion: 65 Resp: 209283
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055801.D
 Acq: 24 May 2019 17:23

Tgt Ion: 114 Resp: 642254
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.2
 88 14.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.145 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

TP-8-S

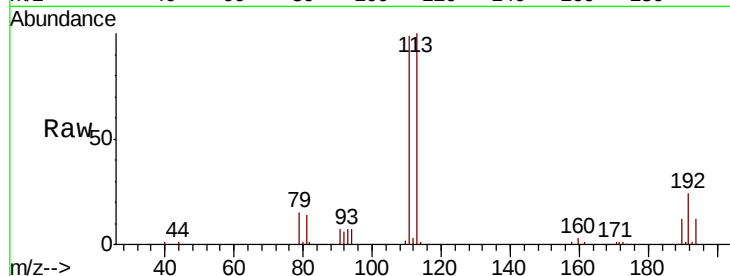
Tot Ion:113 Resp: 195496

Ion Ratio Lower Upper

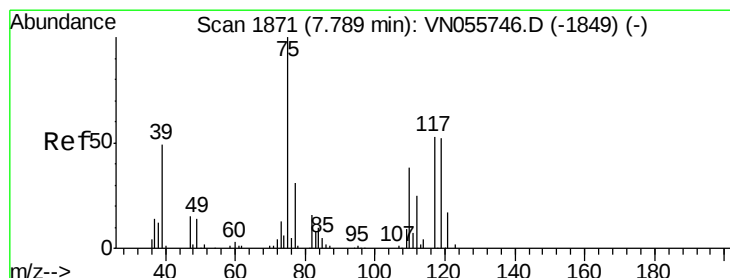
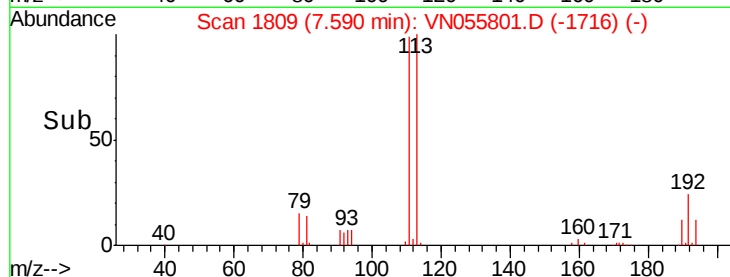
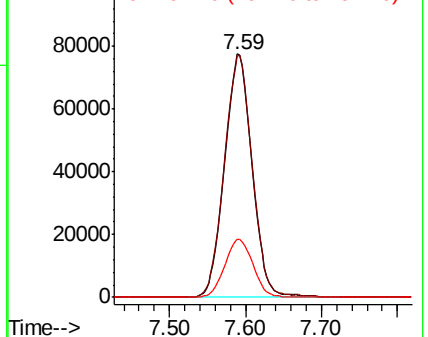
113 100

111 100.2 81.9 122.9

192 24.4 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.571 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

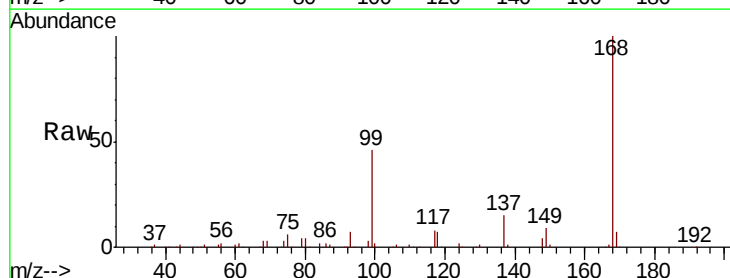
Tgt Ion: 75 Resp: 25582

Ion Ratio Lower Upper

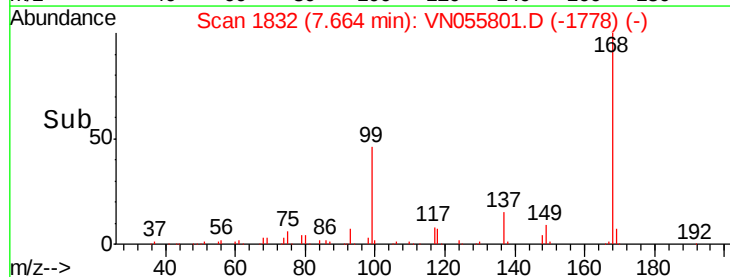
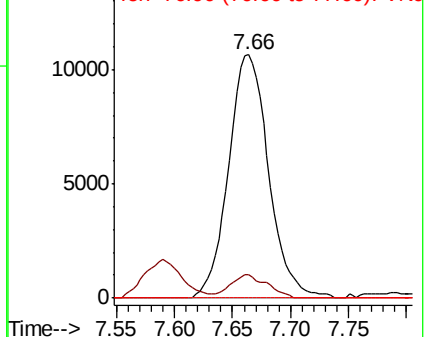
75 100

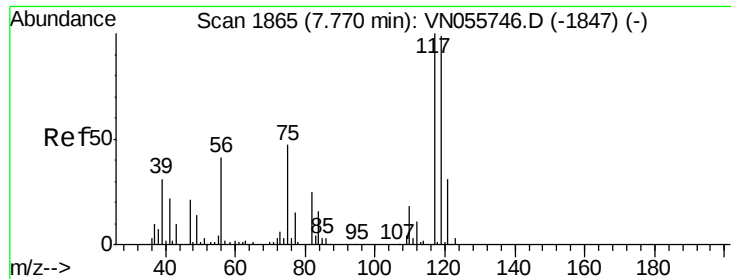
110 8.7 19.0 57.0#

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.346 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

TP-8-S

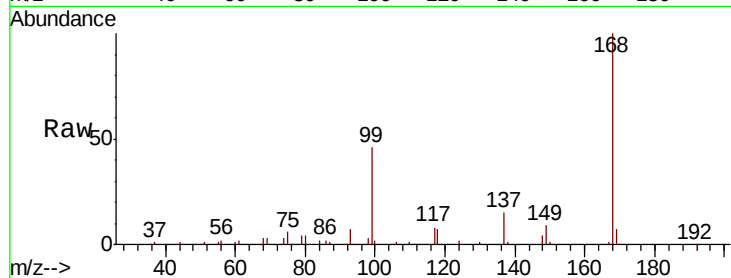
Tot Ion:117 Resp: 36999

Ion Ratio Lower Upper

117 100

119 5.2 79.0 118.6#

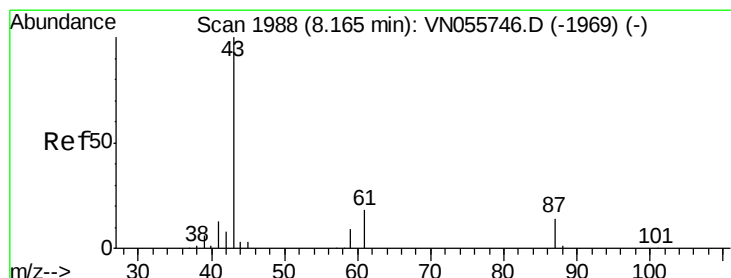
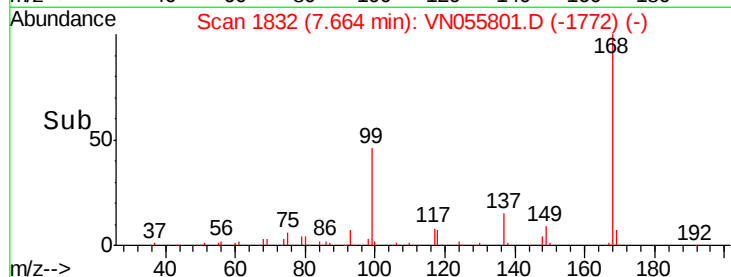
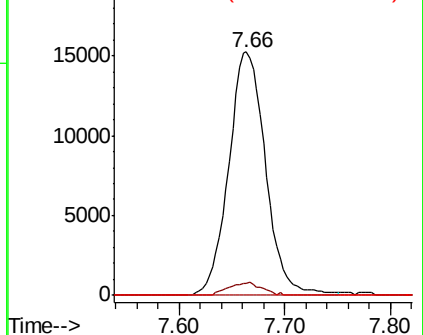
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.470 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

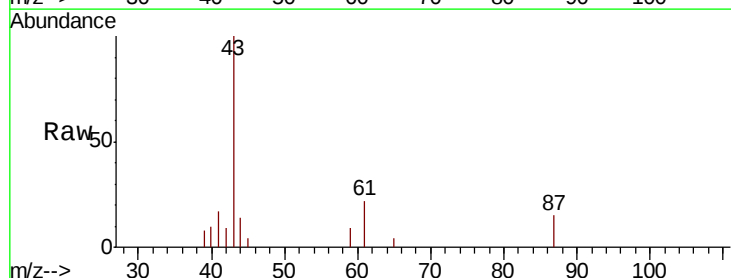
Tgt Ion: 43 Resp: 13357

Ion Ratio Lower Upper

43 100

61 20.1 22.2 33.4#

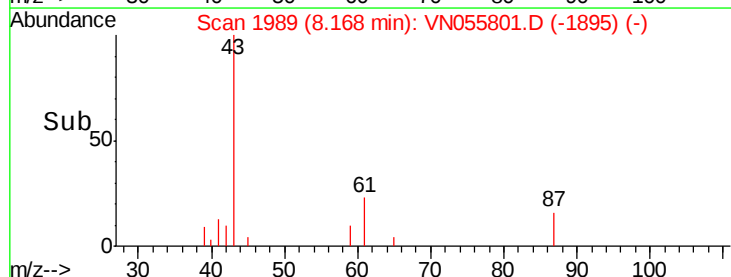
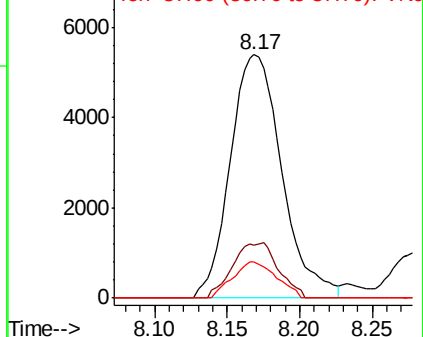
87 12.6 11.4 17.2

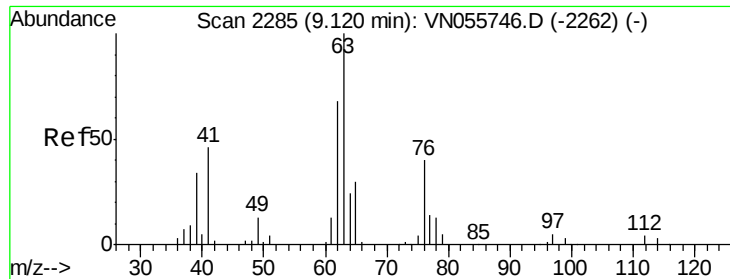


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

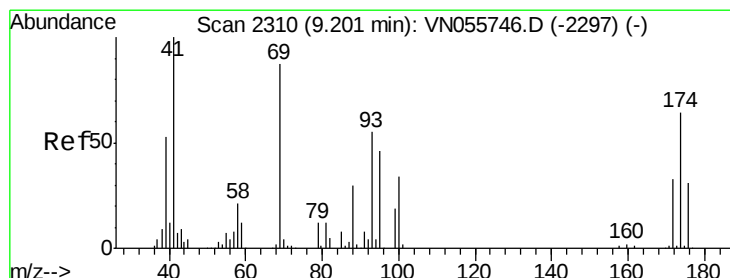
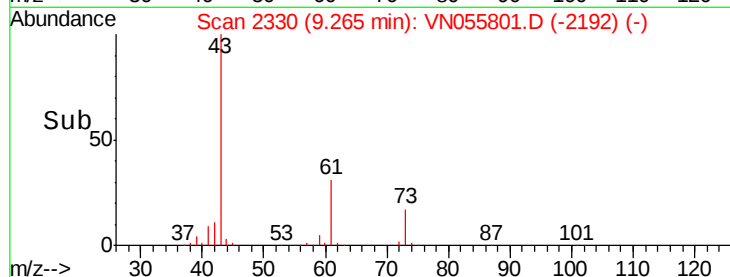
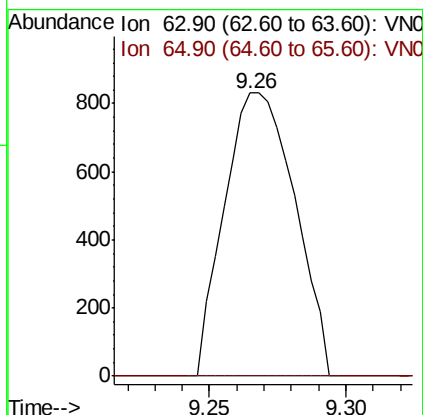
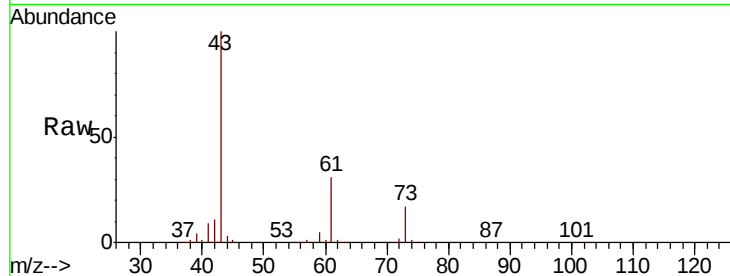




#45
 1,2-Dichloropropane
 Concen: 0.339 ug/l
 RT: 9.26 min Scan# 2330
 Delta R.T. 0.14 min
 Lab File: VN055801.D
 Acq: 24 May 2019 17:23

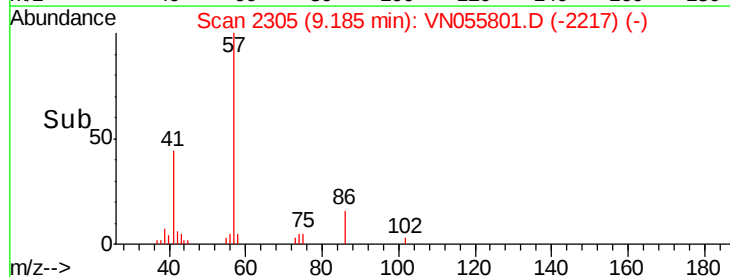
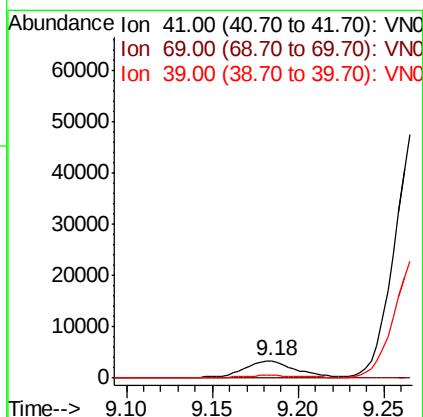
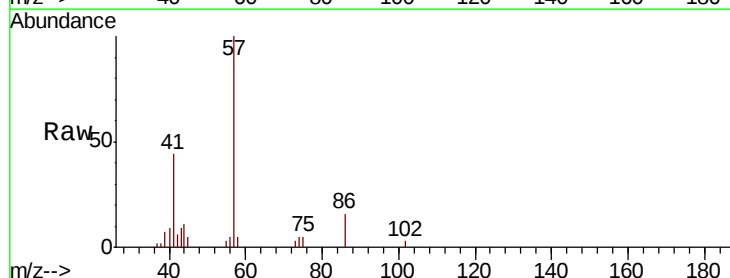
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8-S

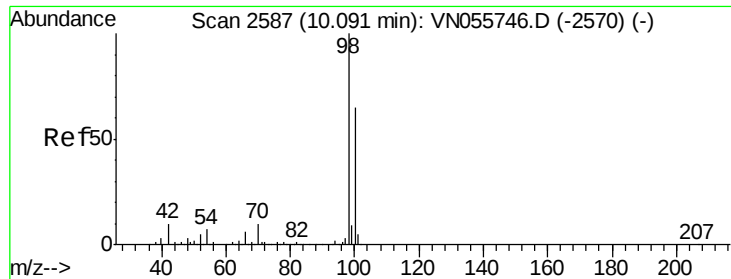
Tot Ion: 63 Resp: 1488
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.6 36.8#



#48
 Methyl methacrylate
 Concen: 1.729 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.02 min
 Lab File: VN055801.D
 Acq: 24 May 2019 17:23

Tgt Ion: 41 Resp: 7241
 Ion Ratio Lower Upper
 41 100
 69 0.0 71.0 106.6#
 39 0.0 44.2 66.2#





#50

Toluene-d8

Concen: 48.556 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

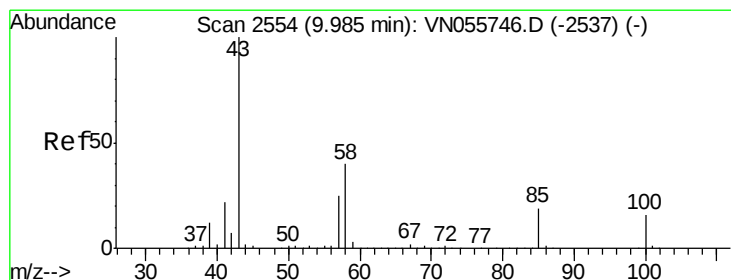
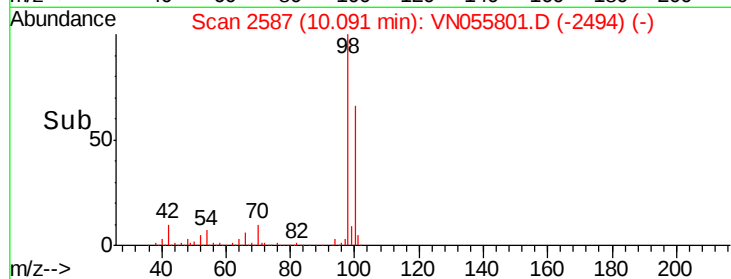
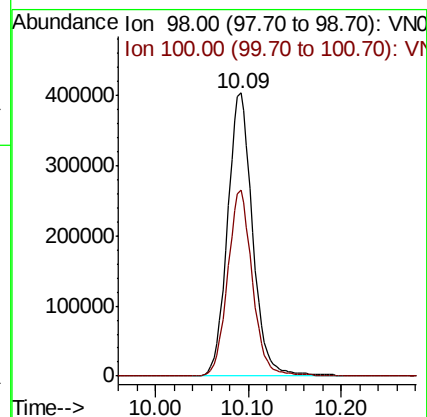
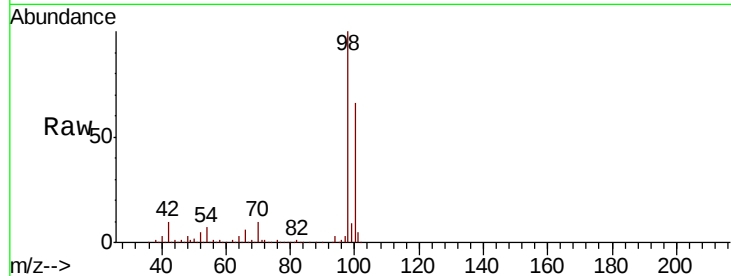
TP-8-S

Tot Ion: 98 Resp: 756305

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.819 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055801.D

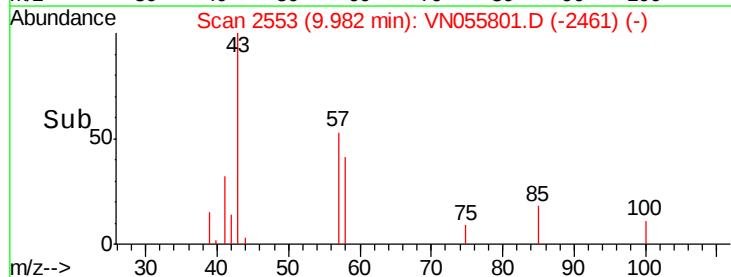
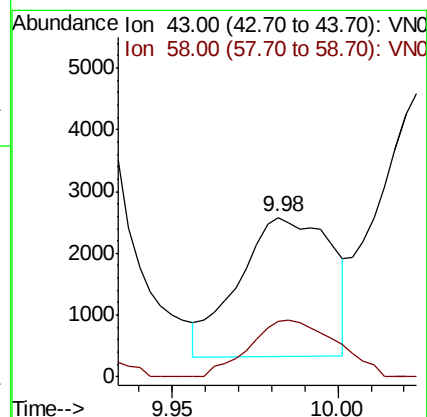
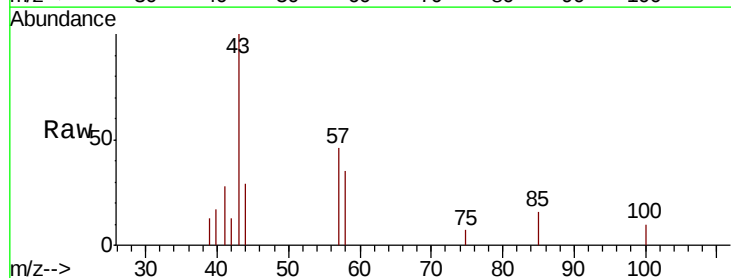
Acq: 24 May 2019 17:23

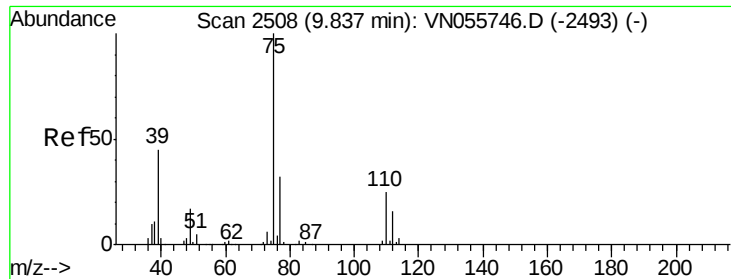
Tgt Ion: 43 Resp: 4395

Ion Ratio Lower Upper

43 100

58 38.5 32.1 48.1





#54

cis-1,3-Dichloropropene

Concen: 7.549 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

TP-8-S

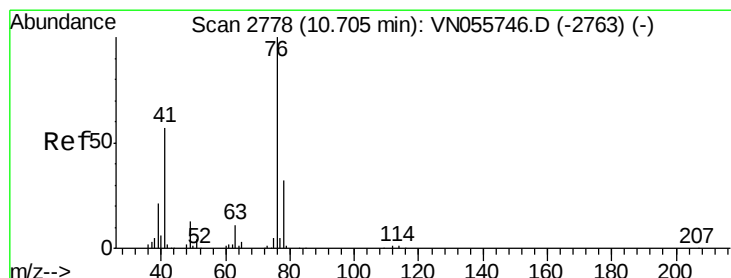
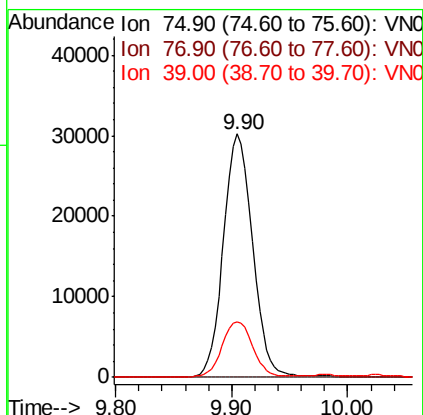
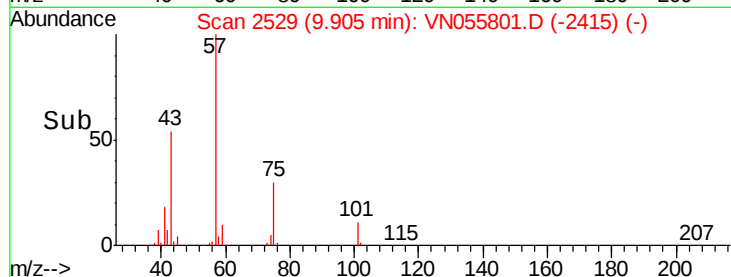
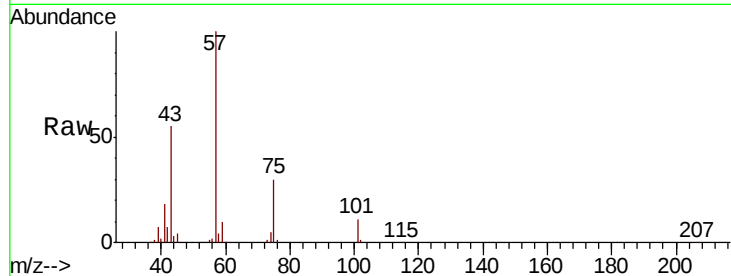
Tot Ion: 75 Resp: 52760

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 22.8 36.3 54.5#



#57

1,3-Dichloropropane

Concen: 1.528 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN055801.D

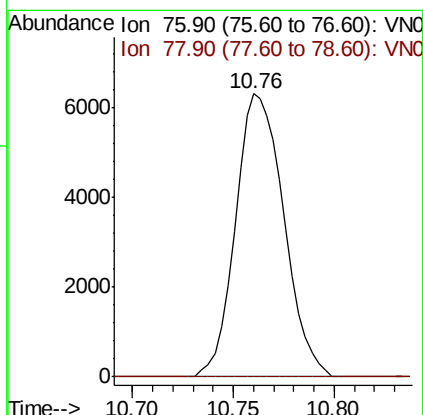
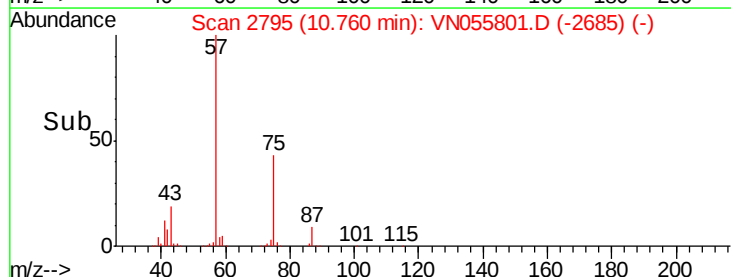
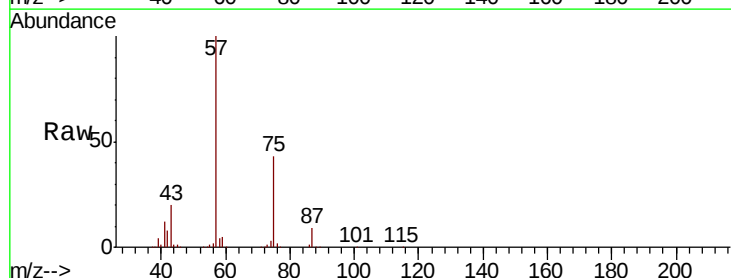
Acq: 24 May 2019 17:23

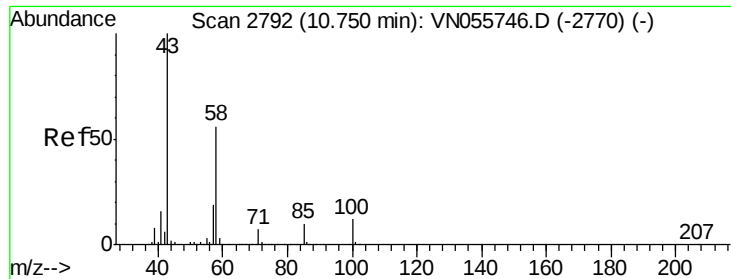
Tgt Ion: 76 Resp: 10556

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#





#59

2-Hexanone

Concen: 34.143 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

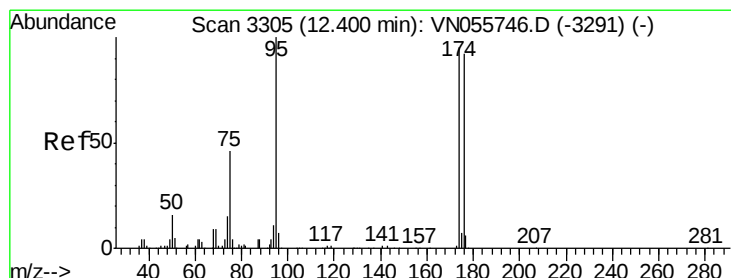
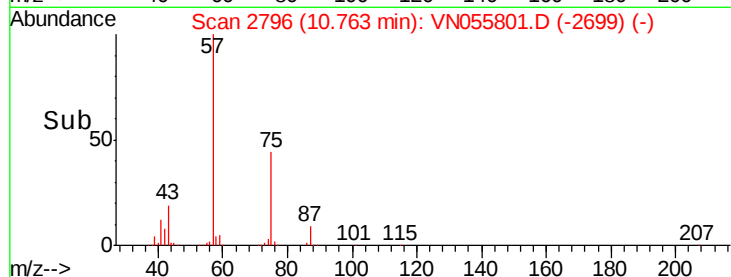
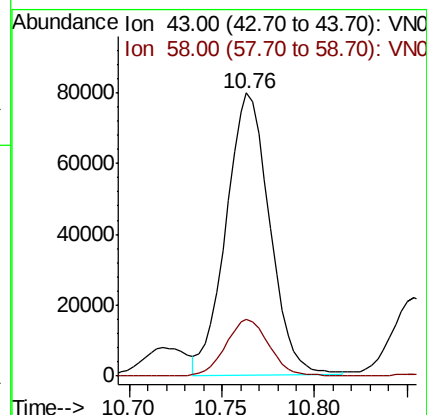
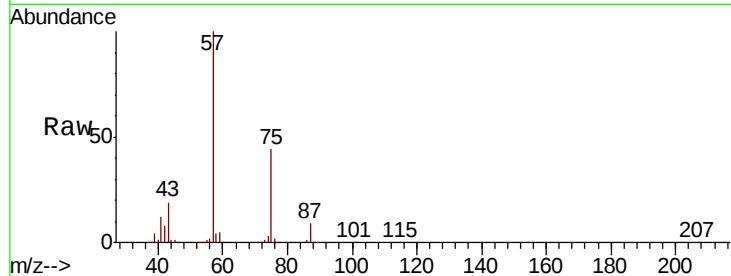
TP-8-S

Tot Ion: 43 Resp: 130019

Ion Ratio Lower Upper

43 100

58 20.2 28.2 84.7#



#62

4-Bromofluorobenzene

Concen: 46.645 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

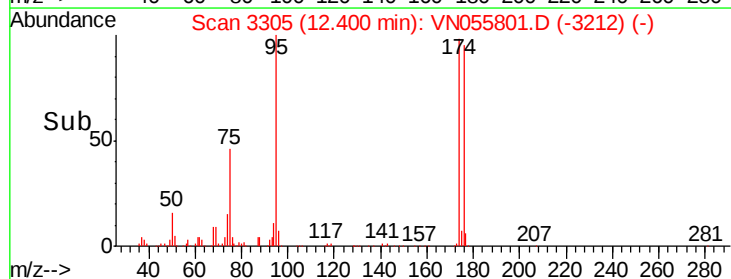
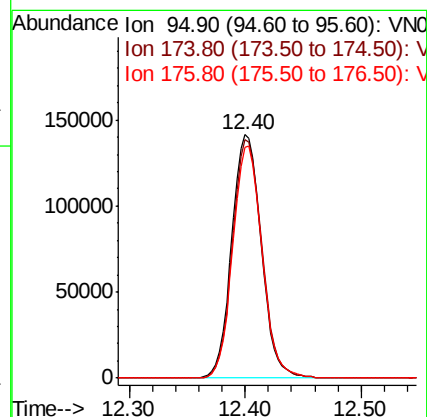
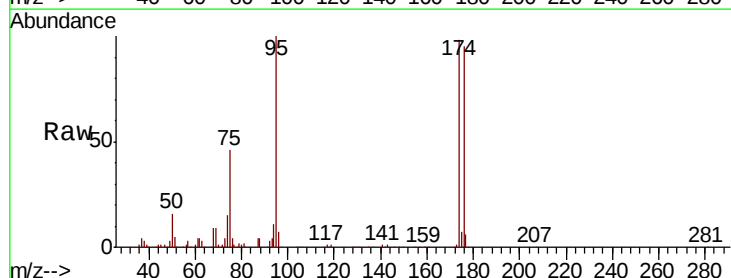
Tgt Ion: 95 Resp: 249119

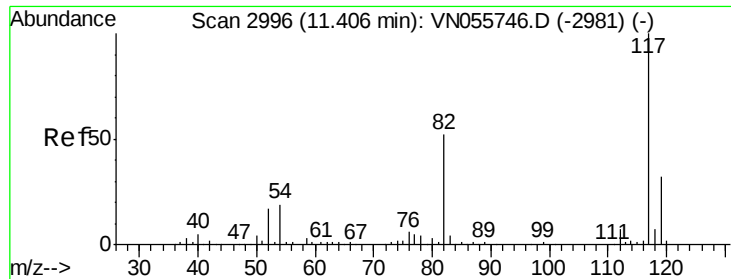
Ion Ratio Lower Upper

95 100

174 97.7 0.0 191.0

176 94.6 0.0 185.2

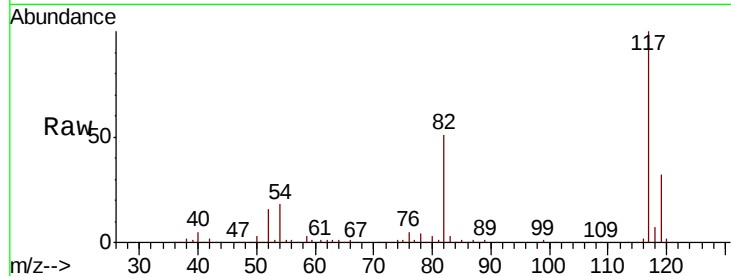




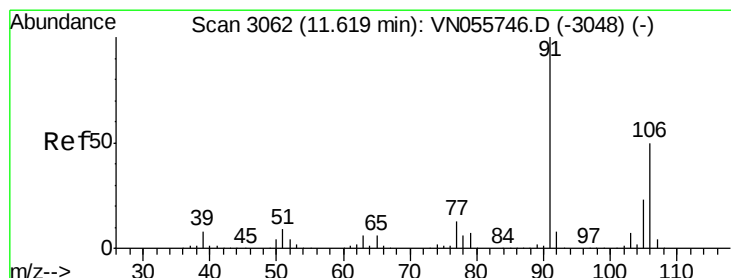
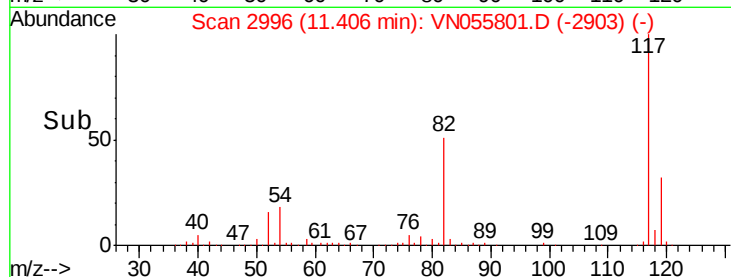
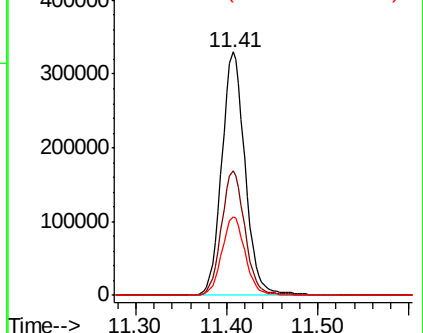
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055801.D
Acq: 24 May 2019 17:23

Instrument :
MSVOA_N
ClientSampled :
TP-8-S

Tot Ion:117 Resp: 589261
Ion Ratio Lower Upper
117 100
82 51.1 41.8 62.8
119 32.3 25.4 38.0

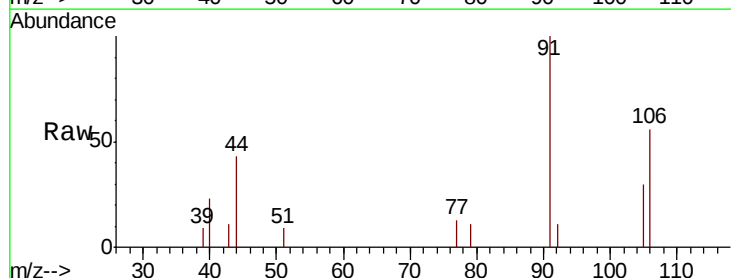


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

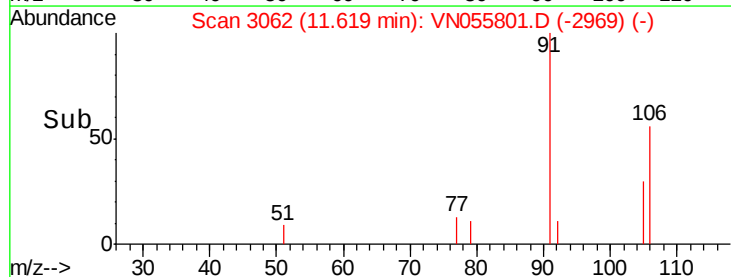
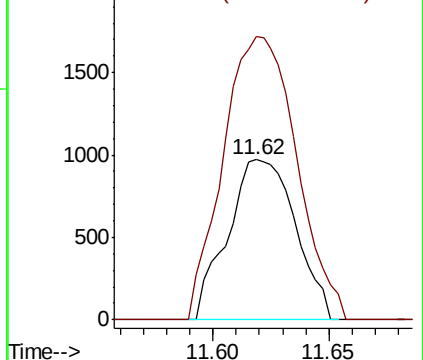


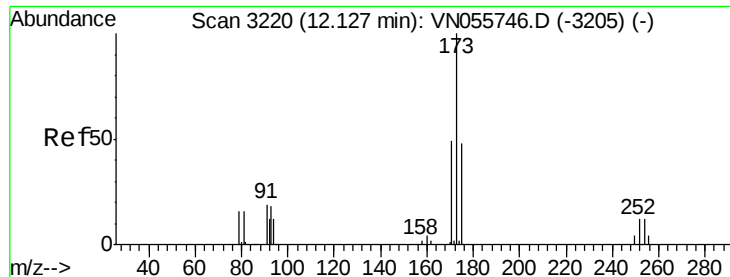
#68
m/p-Xylenes
Concen: 0.245 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055801.D
Acq: 24 May 2019 17:23

Tgt Ion:106 Resp: 1963
Ion Ratio Lower Upper
106 100
91 191.7 159.3 238.9



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





#71

Bromoform

Concen: 0.415 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

TP-8-S

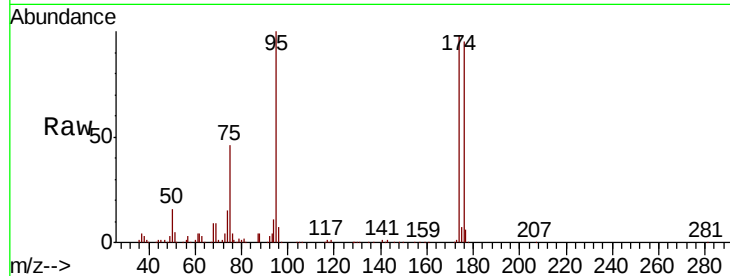
Tot Ion:173 Resp: 1667

Ion Ratio Lower Upper

173 100

175 906.5 24.3 72.8#

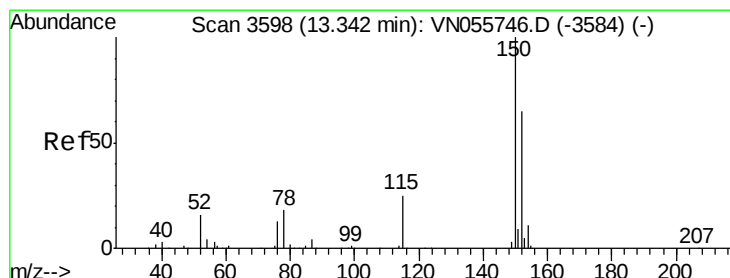
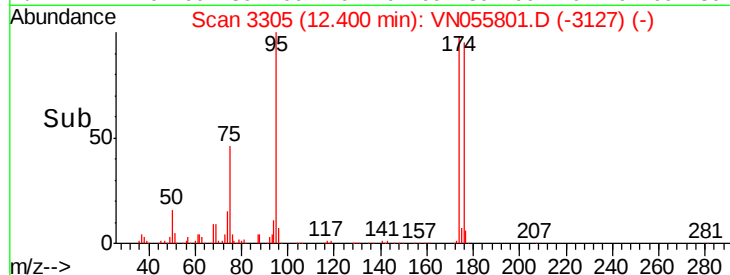
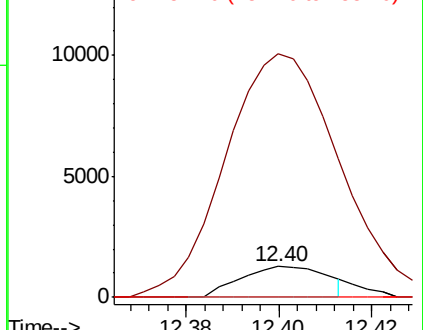
254 0.0 0.0 0.0



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: VN055801.D

Acq: 24 May 2019 17:23

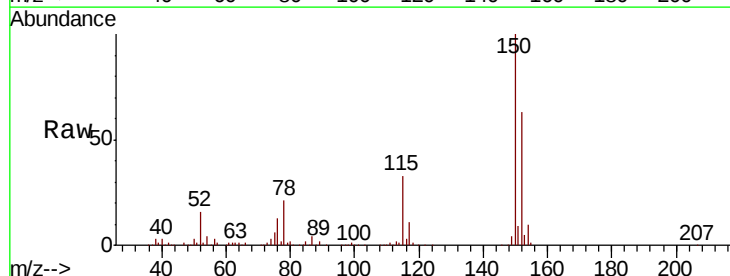
Tgt Ion:152 Resp: 214893

Ion Ratio Lower Upper

152 100

115 52.5 27.0 81.0

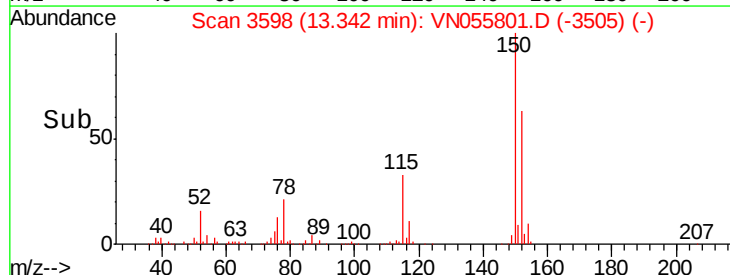
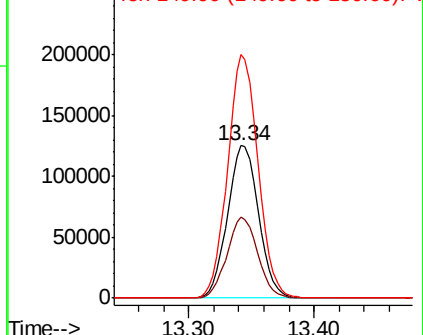
150 156.3 0.0 343.2

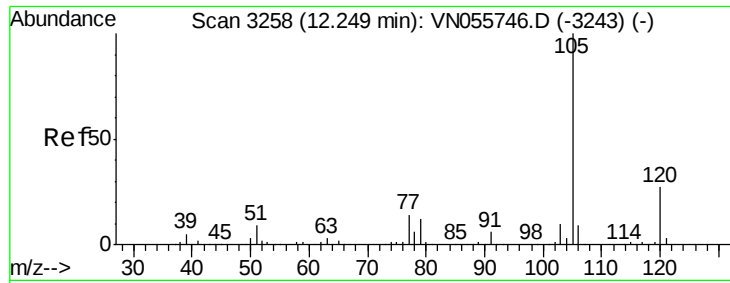


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

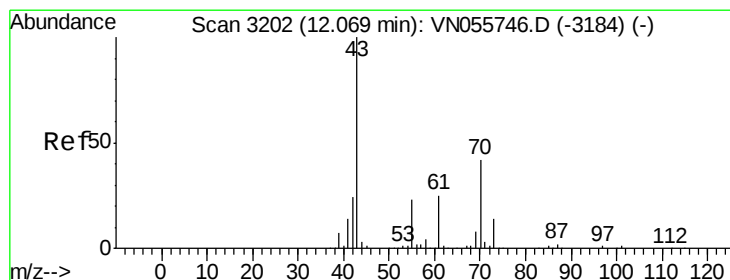
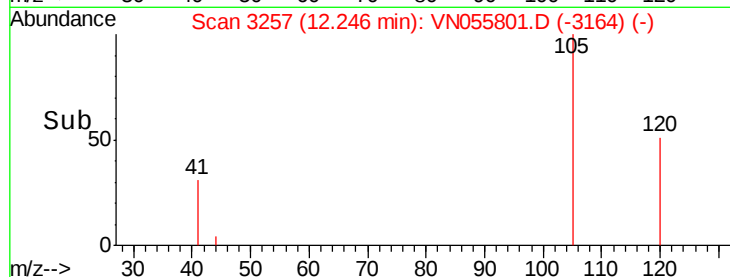
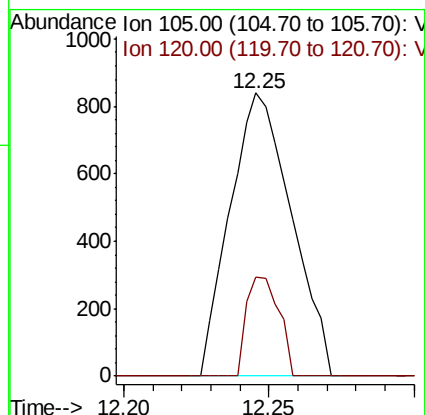
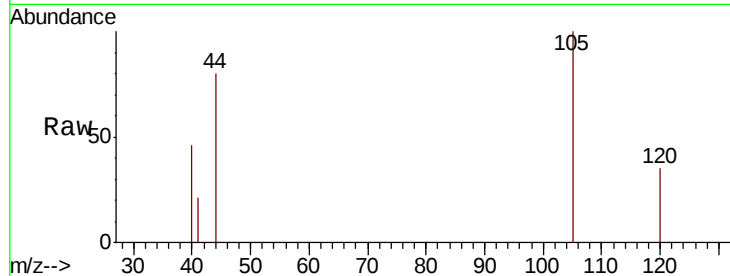
TP-8-S

Tot Ion:105 Resp: 1237

Ion Ratio Lower Upper

105 100

120 18.5 13.6 40.7



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.04 min Scan# 3192

Delta R.T. -0.03 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

Tgt Ion: 43 Resp: 446

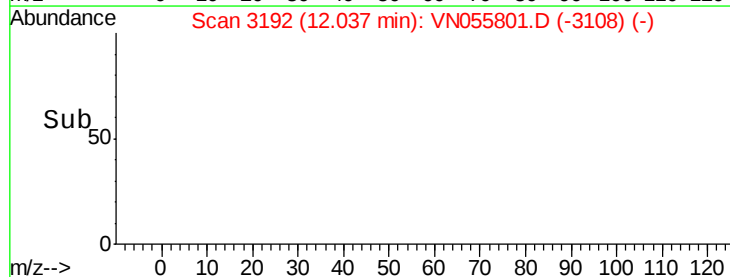
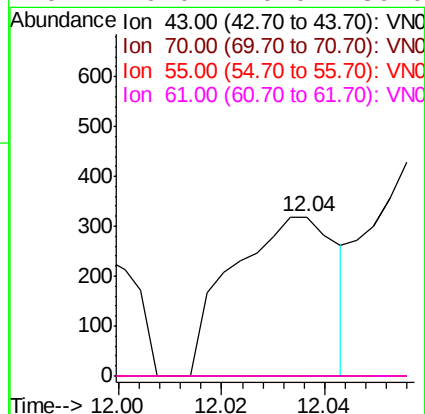
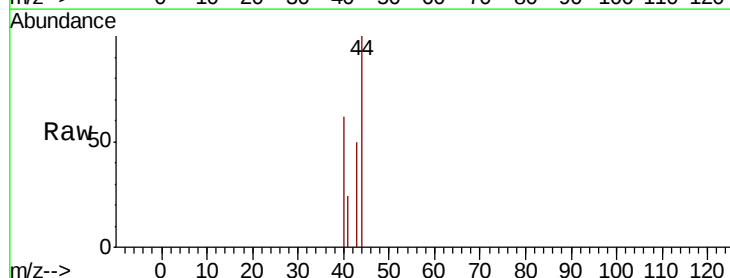
Ion Ratio Lower Upper

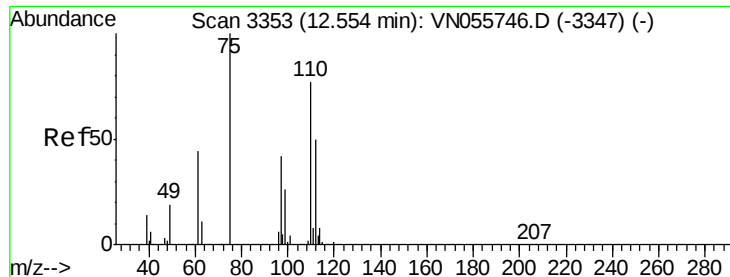
43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#





#76

1,2,3-Trichloropropane

Concen: 29.804 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

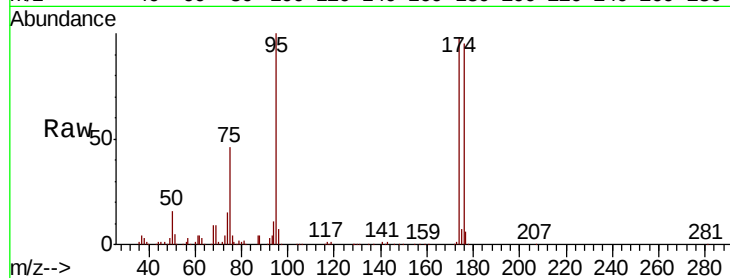
TP-8-S

Tot Ion: 75 Resp: 114988

Ion Ratio Lower Upper

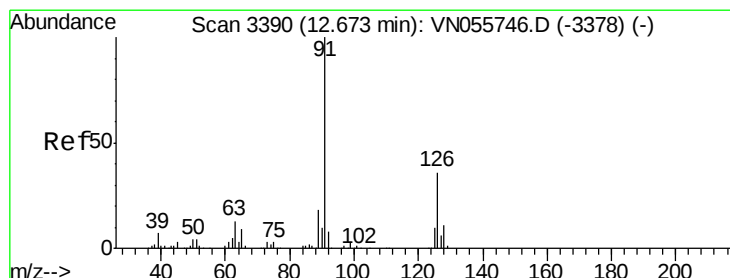
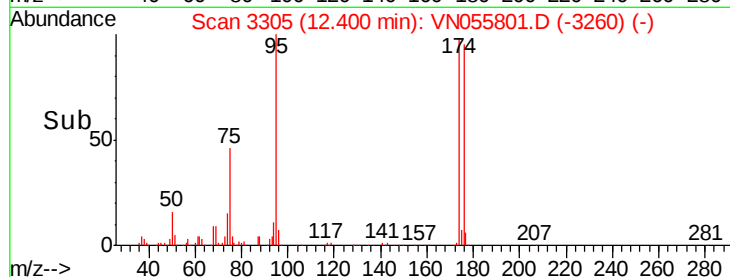
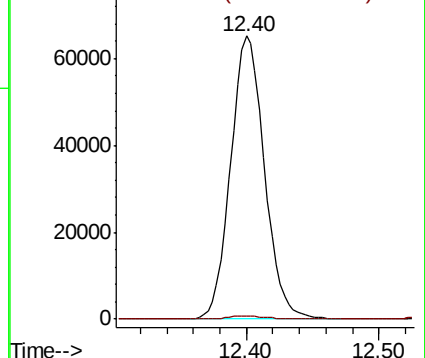
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.77 min Scan# 3420

Delta R.T. 0.10 min

Lab File: VN055801.D

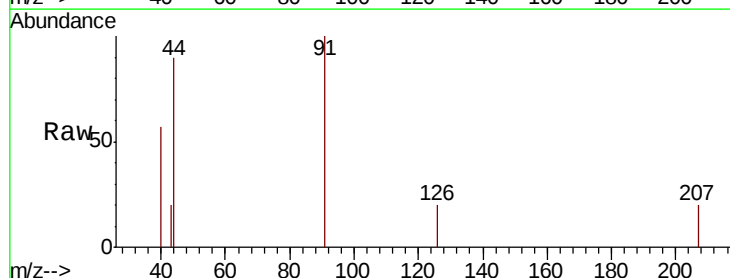
Acq: 24 May 2019 17:23

Tgt Ion: 91 Resp: 1168

Ion Ratio Lower Upper

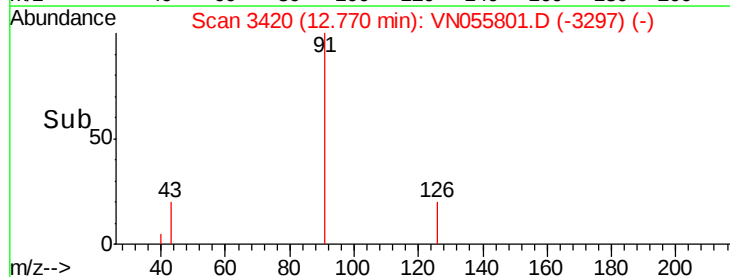
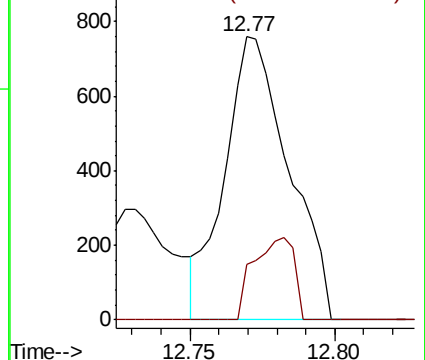
91 100

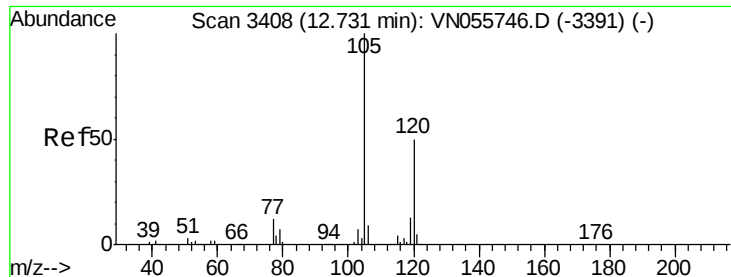
126 18.4 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

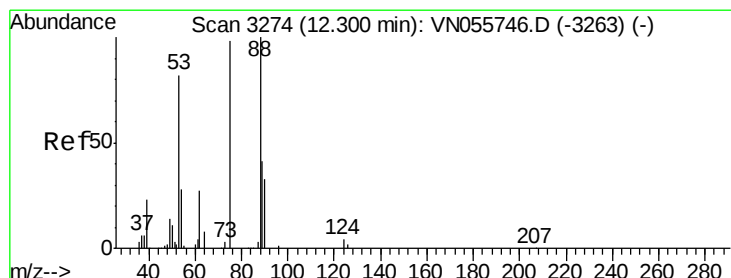
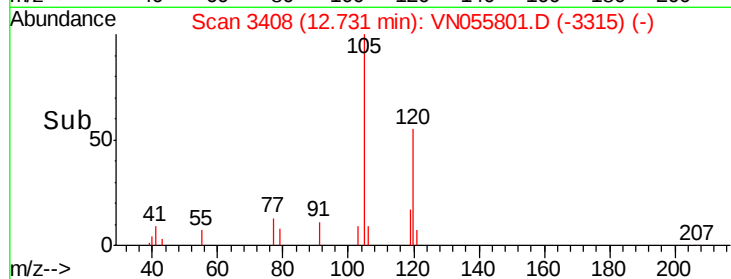
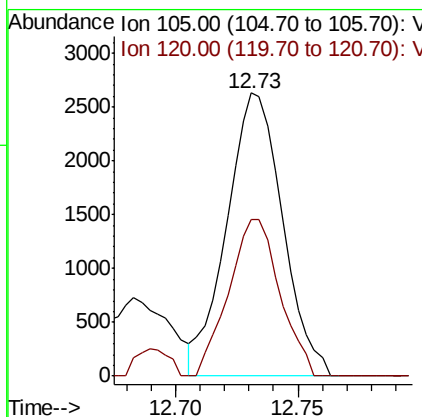
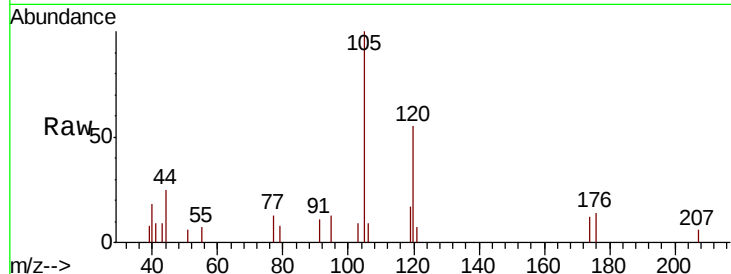




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055801.D
 Acq: 24 May 2019 17:23

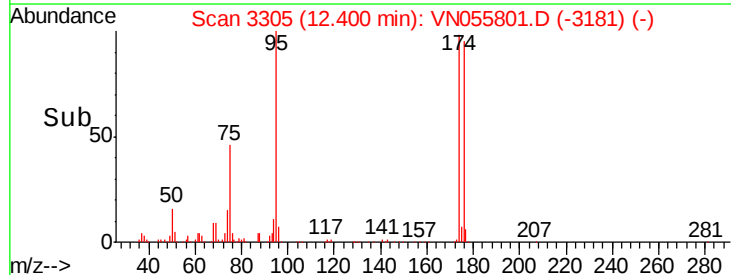
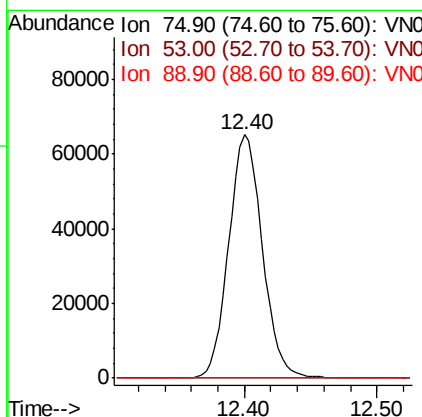
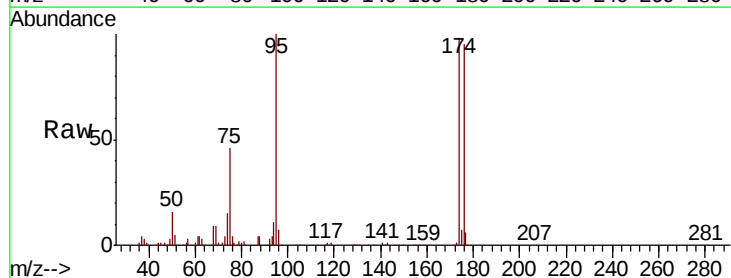
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8-S

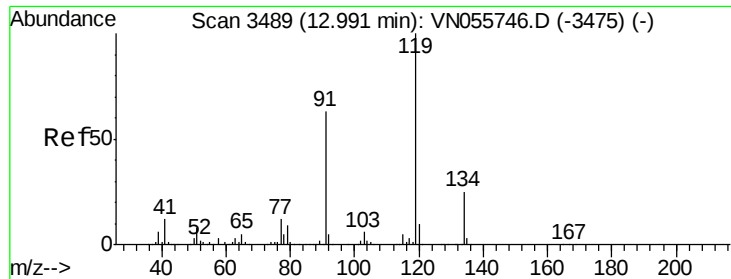
Tot Ion: 105 Resp: 4185
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.7 74.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.996 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055801.D
 Acq: 24 May 2019 17:23

Tgt Ion: 75 Resp: 114988
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.1 102.1#
 89 0.0 36.9 55.3#

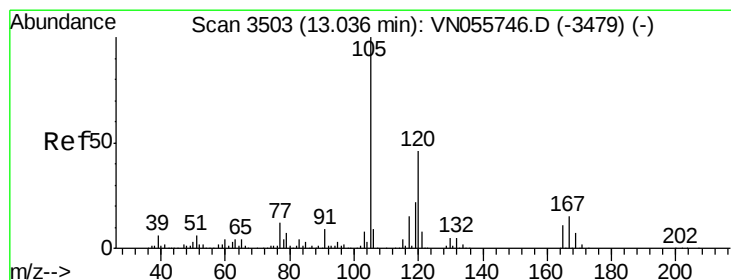
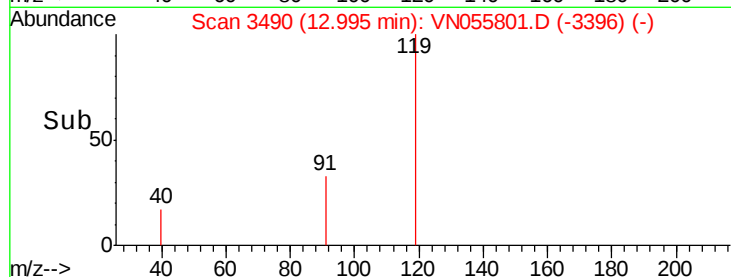
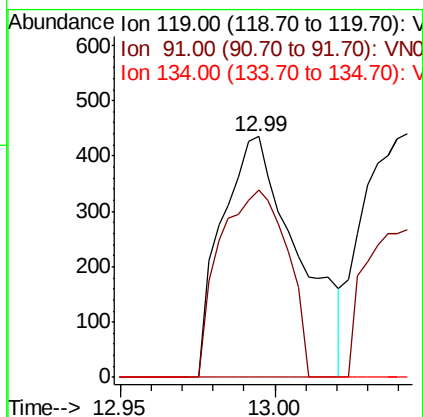
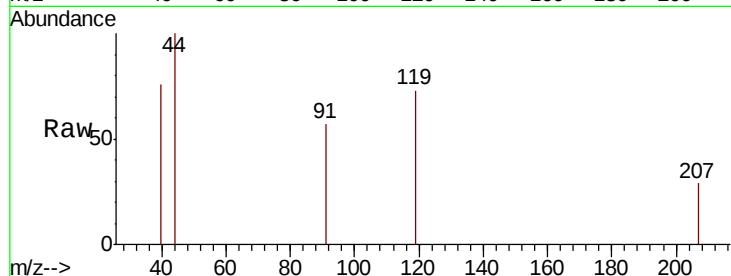




#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055801.D
Acq: 24 May 2019 17:23

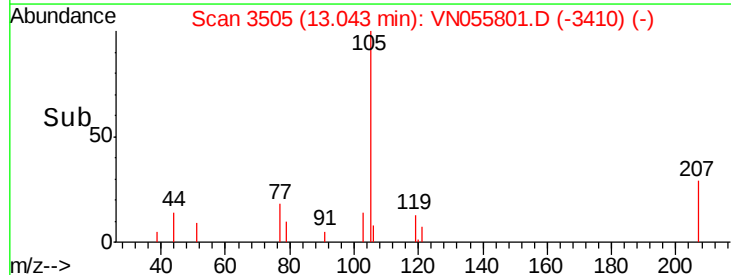
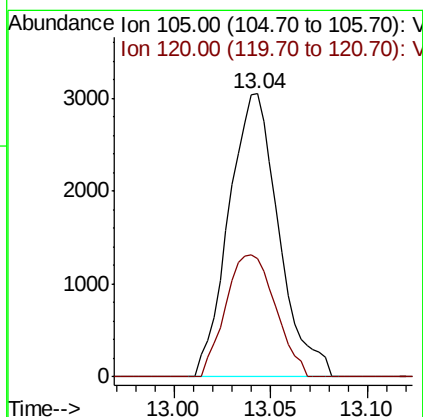
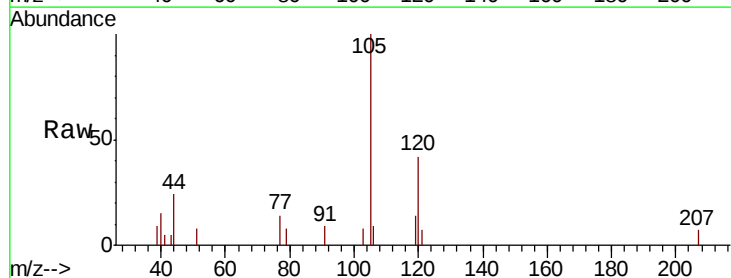
Instrument :
MSVOA_N
ClientSampled :
TP-8-S

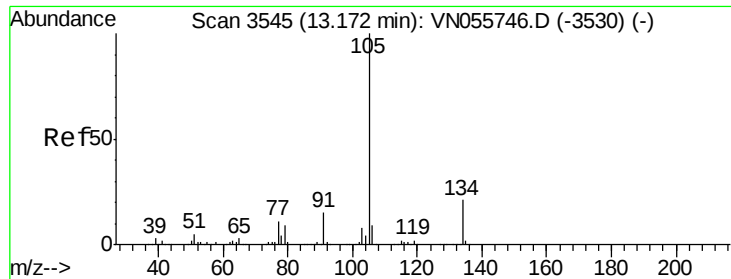
Tot Ion:119 Resp: 746
Ion Ratio Lower Upper
119 100
91 68.6 30.9 92.8
134 0.0 13.3 39.8#



#84
1,2,4-Trimethylbenzene
Concen: Below Cal
RT: 13.04 min Scan# 3505
Delta R.T. 0.01 min
Lab File: VN055801.D
Acq: 24 May 2019 17:23

Tgt Ion:105 Resp: 5480
Ion Ratio Lower Upper
105 100
120 42.8 23.0 69.0





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

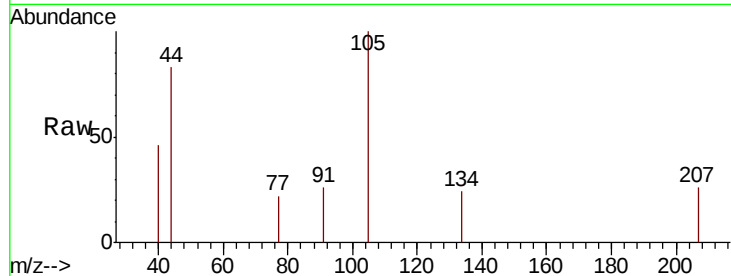
TP-8-S

Tot Ion:105 Resp: 1527

Ion Ratio Lower Upper

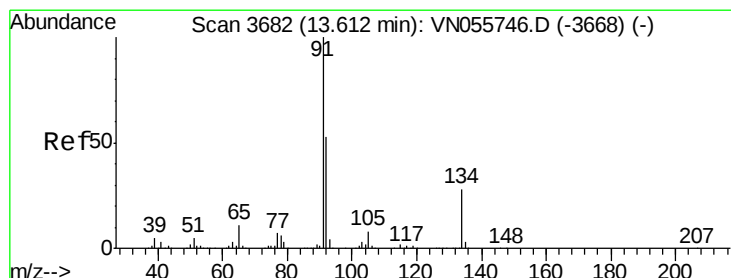
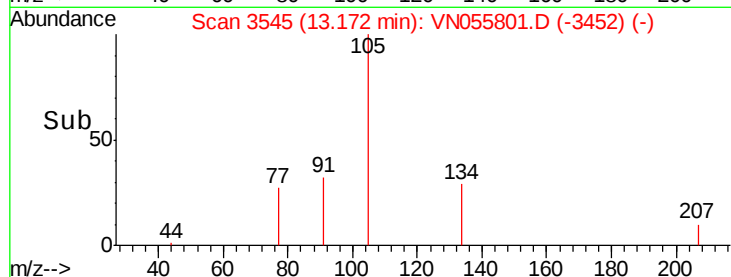
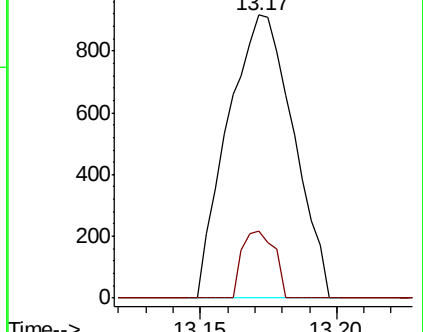
105 100

134 11.6 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.203 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

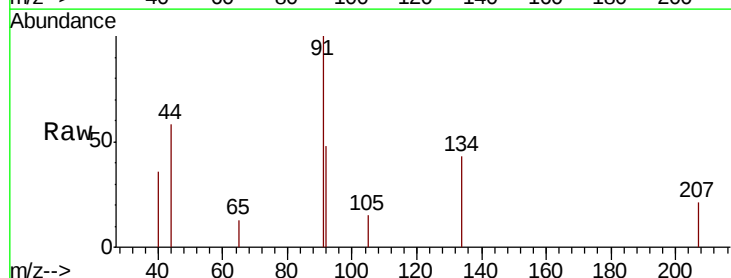
Tgt Ion: 91 Resp: 2326

Ion Ratio Lower Upper

91 100

92 36.6 26.4 79.0

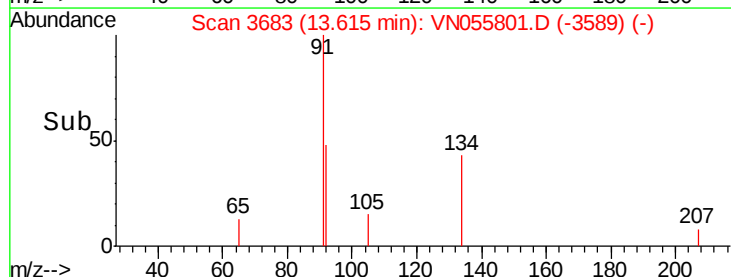
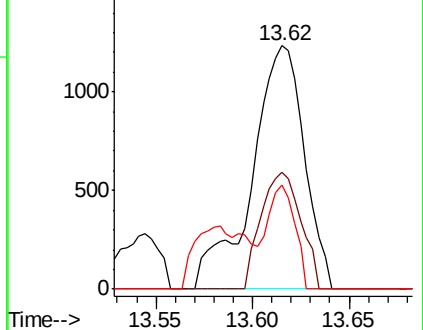
134 22.1 13.9 41.7

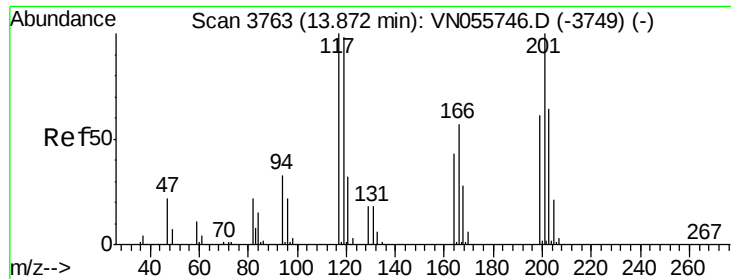


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.242 ug/l

RT: 14.00 min Scan# 3802

Delta R.T. 0.13 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

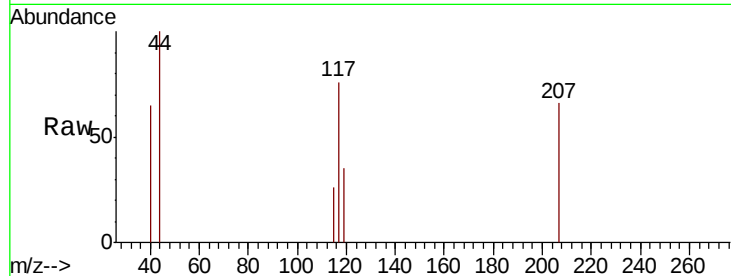
TP-8-S

Tot Ion:117 Resp: 686

Ion Ratio Lower Upper

117 100

201 0.0 50.0 150.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.00

500

400

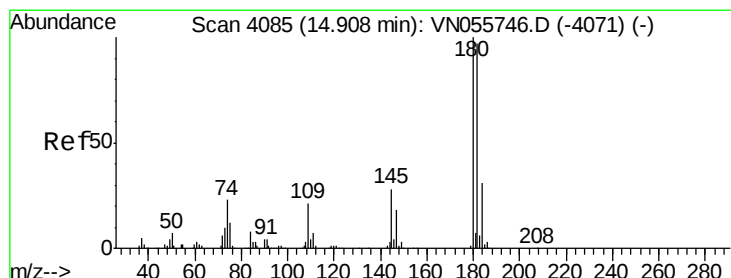
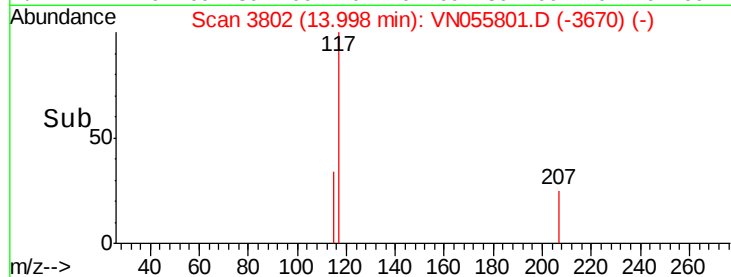
300

200

100

0

Time--> 13.95 14.00



#93

1,2,4-Trichlorobenzene

Concen: 3.945 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055801.D

Acq: 24 May 2019 17:23

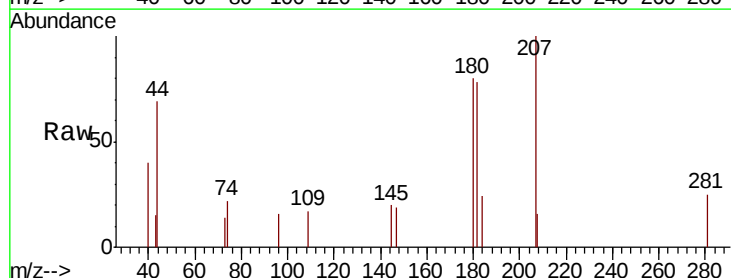
Tgt Ion:180 Resp: 1384

Ion Ratio Lower Upper

180 100

182 90.2 48.3 144.9

145 19.4 14.0 41.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

14.91

1200

1000

800

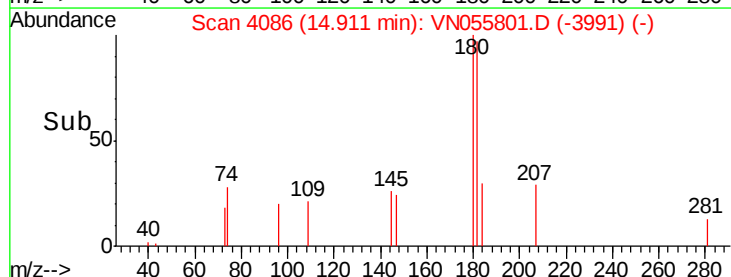
600

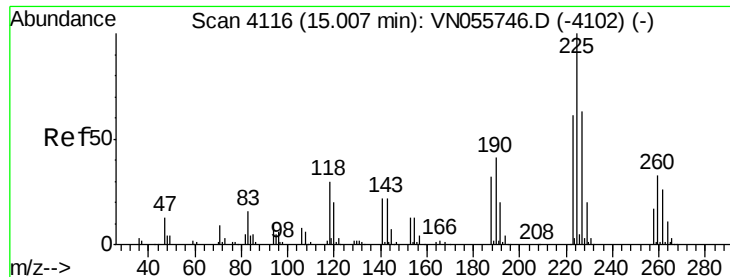
400

200

0

Time--> 14.90 14.95





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

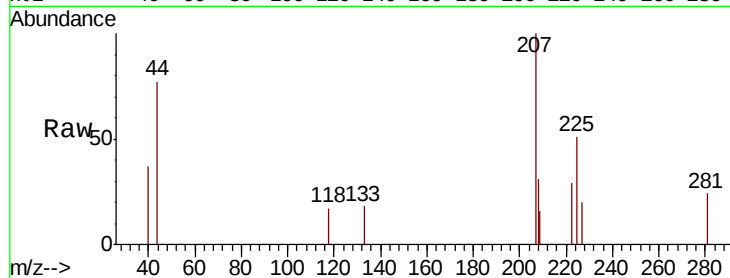
Delta R.T. 0.00 min

Lab File: VN055801.D

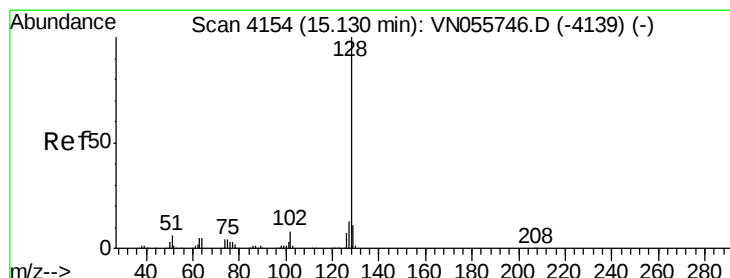
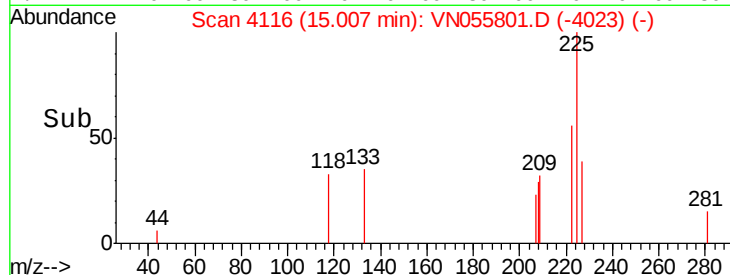
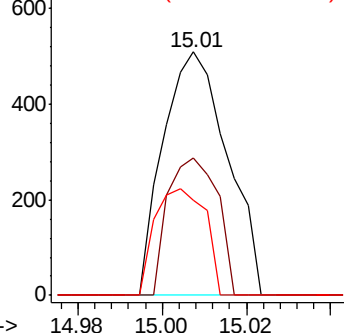
Acq: 24 May 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
TP-8-S

Tot Ion:	225	Resp:	539
Ion	Ratio	Lower	Upper
225	100		
223	43.8	30.9	92.7
227	34.7	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



#95

Naphthalene

Concen: 0.812 ug/l

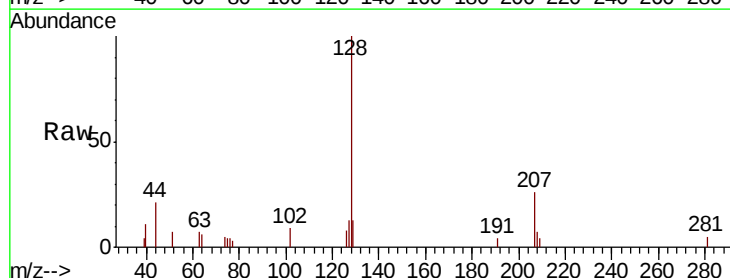
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

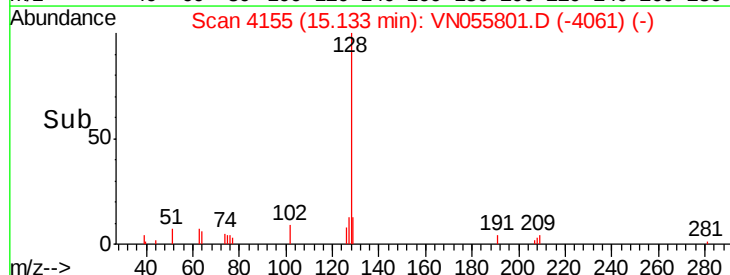
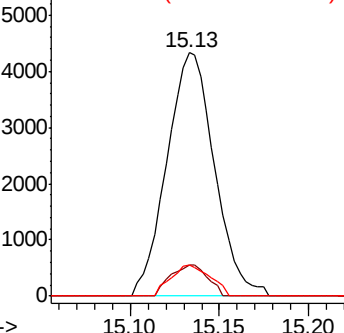
Lab File: VN055801.D

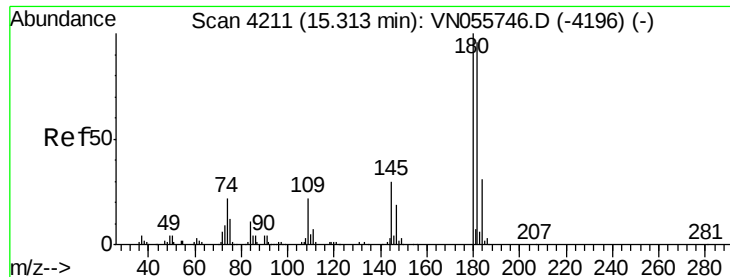
Acq: 24 May 2019 17:23

Tgt Ion:	128	Resp:	8071
Ion	Ratio	Lower	Upper
128	100		
127	9.9	10.3	15.5#
129	10.5	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

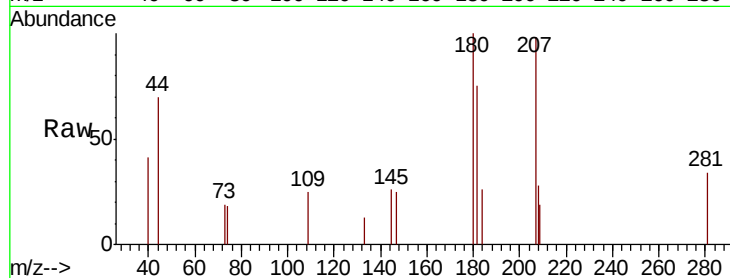




#96
 1,2,3-Trichlorobenzene
 Concen: 0.489 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055801.D
 Acq: 24 May 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8-S

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.4	47.9	143.7
145	31.8	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

