

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060319\
 Data File : VN055955.D
 Acq On : 3 Jun 2019 12:34
 Operator : JC/SP
 Sample : K3129-03DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 03 16:22:14 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

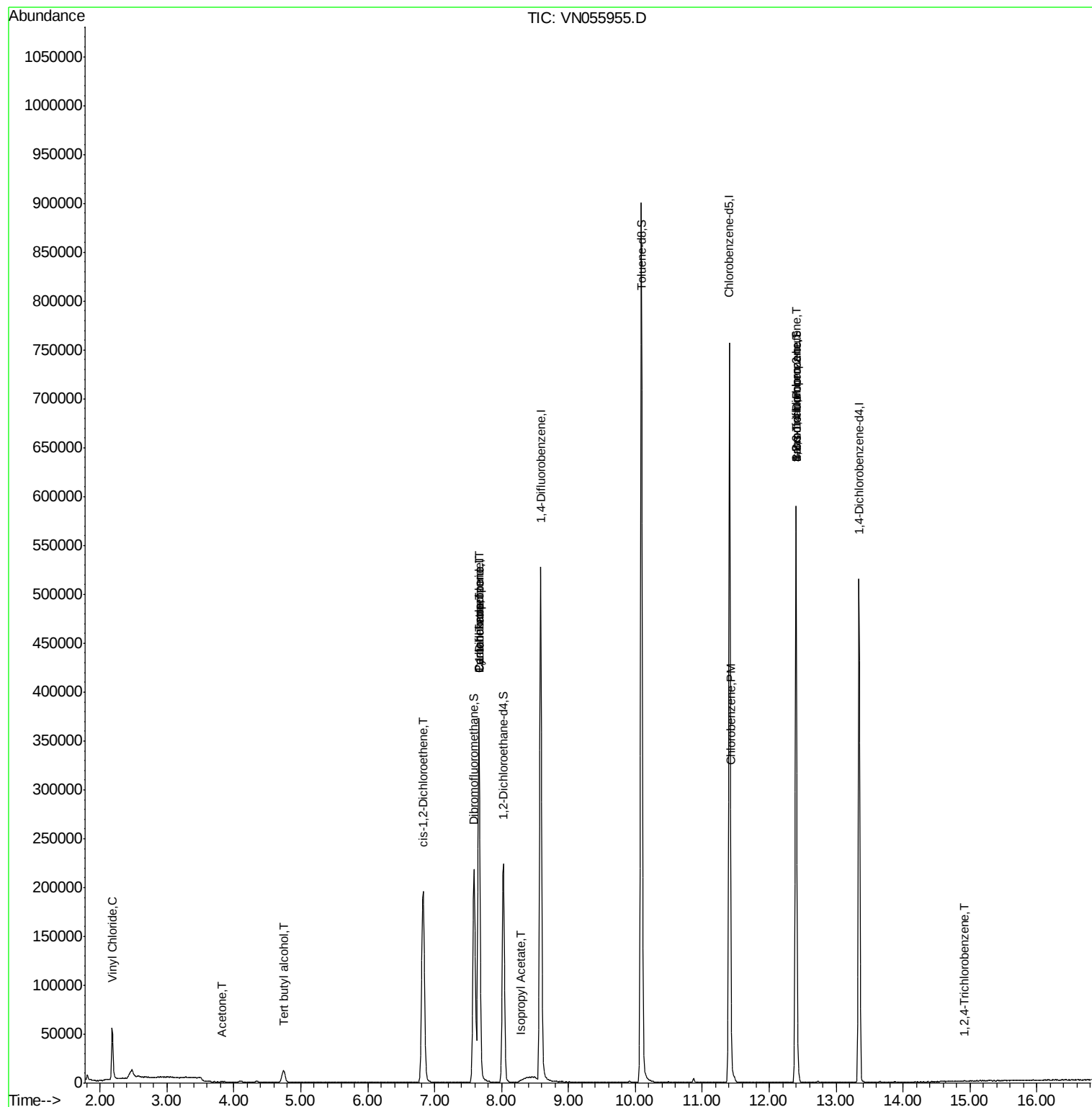
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	350693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	523369	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	480347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154674	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	192723	53.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.42%	
35) Dibromofluoromethane	7.59	113	166488	50.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.62%	
50) Toluene-d8	10.09	98	676874	53.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.66%	
62) 4-Bromofluorobenzene	12.40	95	209749	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.38%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.18	62	50773	14.395	ug/l	99
11) Tert butyl alcohol	4.74	59	11431	16.519	ug/l #	74
16) Acetone	3.82	43	1167	0.733	ug/l #	41
18) Methyl Acetate	4.33	43	2602	Below Cal	#	58
27) cis-1,2-Dichloroethene	6.82	96	136655	36.555	ug/l	90
31) Cyclohexane	7.66	56	4915	0.904	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	20877	4.577	ug/l #	48
38) Carbon Tetrachloride	7.66	117	28978	6.100	ug/l #	15
43) Isopropyl Acetate	8.28	43	1865	0.252	ug/l #	53
65) Chlorobenzene	11.43	112	2286	0.238	ug/l	97
71) Bromoform	12.40	173	1492	0.456	ug/l #	1
74) N-amyl acetate	12.11	43	61	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	97822	35.837	ug/l #	100
79) 2-Chlorotoluene	12.59	91	63	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	30	Below Cal	#	28
81) trans-1,4-Dichloro-2-buten	12.40	75	97822	85.094	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	139	Below Cal	#	30
85) sec-Butylbenzene	13.17	105	144	Below Cal	#	55
93) 1,2,4-Trichlorobenzene	14.91	180	106	3.670	ug/l #	50

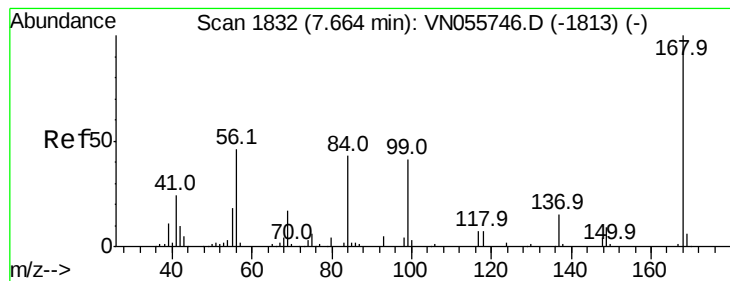
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055955.D

Acq: 3 Jun 2019 12:34

Instrument :

MSVOA_N

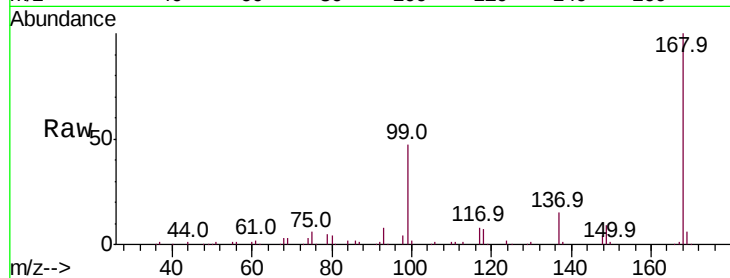
ClientSampleId :

Tot Ion:168 Resp: 350693

Ion Ratio Lower Upper

168 100

99 46.5 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

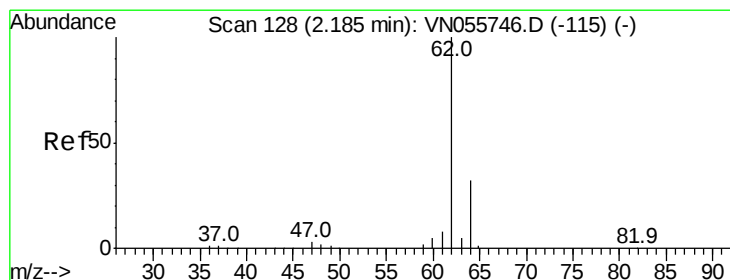
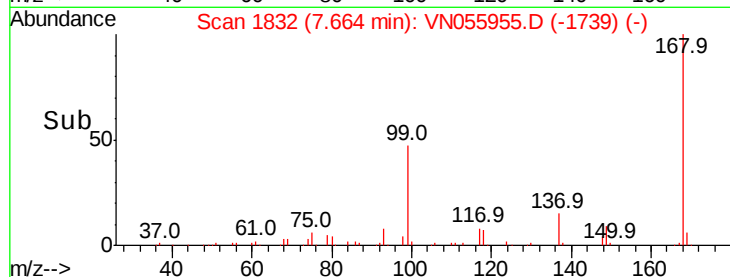
100000

50000

0

7.60 7.70 7.80

Time-->



#4

Vinyl Chloride

Concen: 14.395 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055955.D

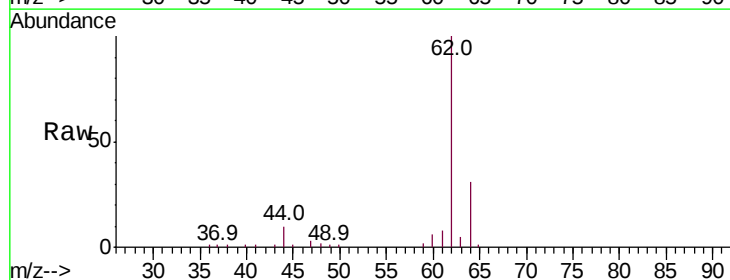
Acq: 3 Jun 2019 12:34

Tgt Ion: 62 Resp: 50773

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN055746.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN055746.D (-115) (-)

2.18

30000

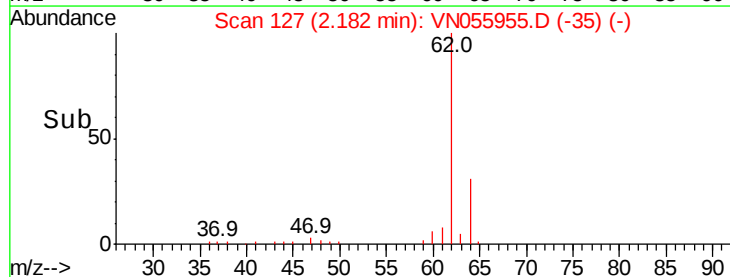
20000

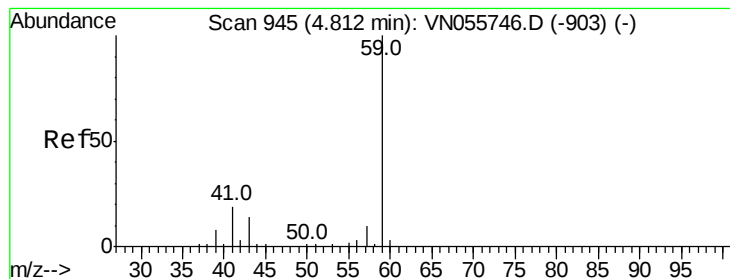
10000

0

2.10 2.15 2.20 2.25

Time-->



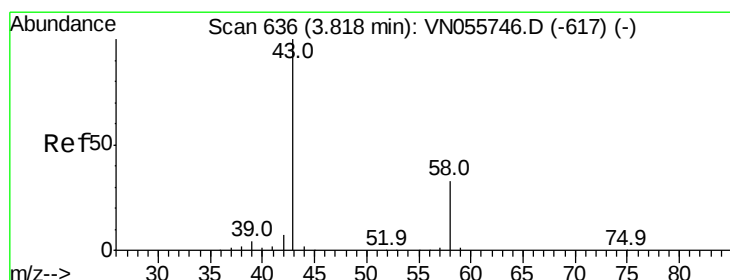
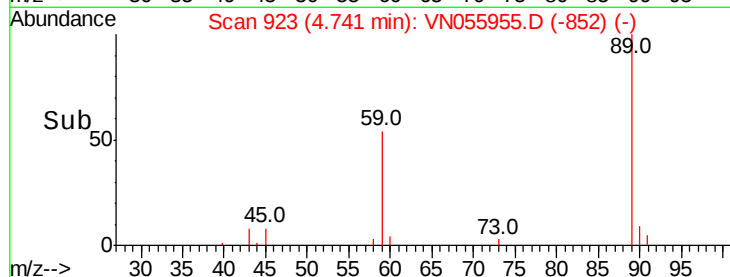
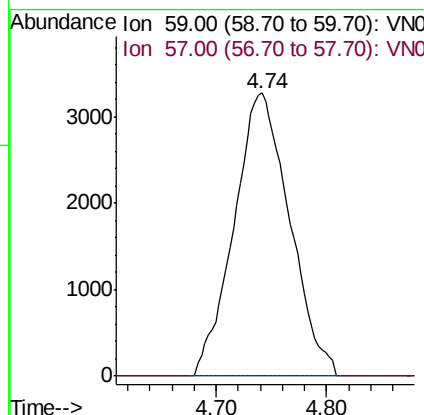
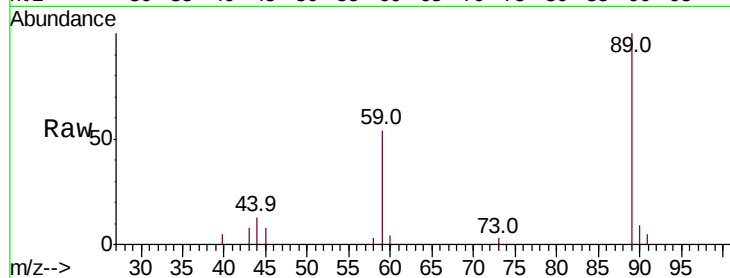


#11

Tert butyl alcohol
 Concen: 16.519 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. -0.07 min
 Lab File: VN055955.D
 Acq: 3 Jun 2019 12:34

Instrument :
 MSVOA_N
 ClientSampled :

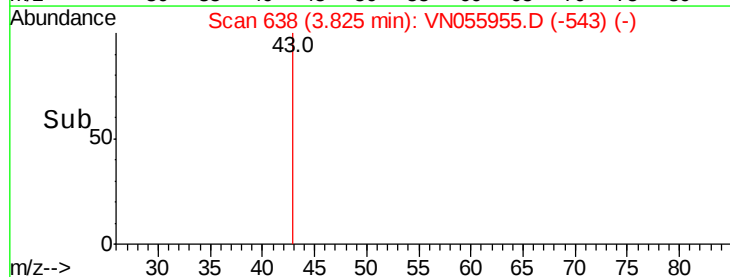
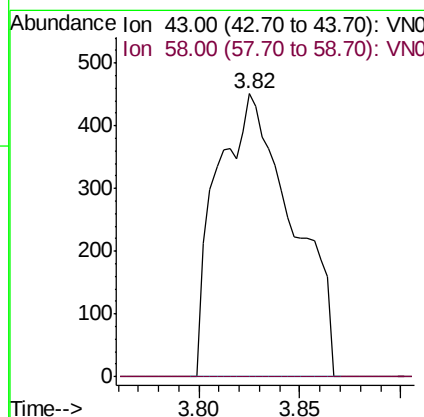
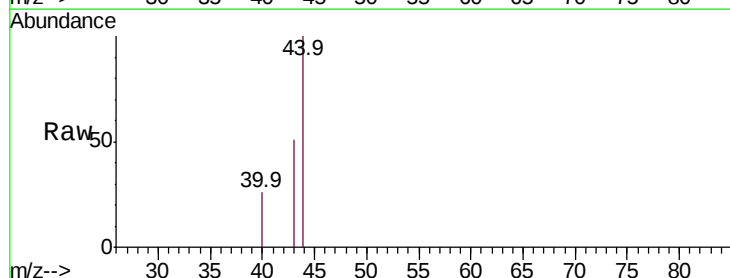
Tot Ion: 59 Resp: 11431
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

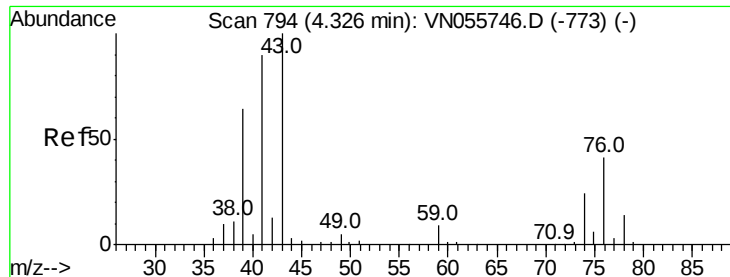


#16

Acetone
 Concen: 0.733 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN055955.D
 Acq: 3 Jun 2019 12:34

Tgt Ion: 43 Resp: 1167
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.6 39.8#

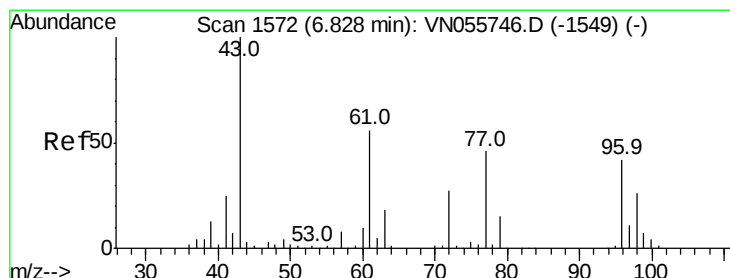
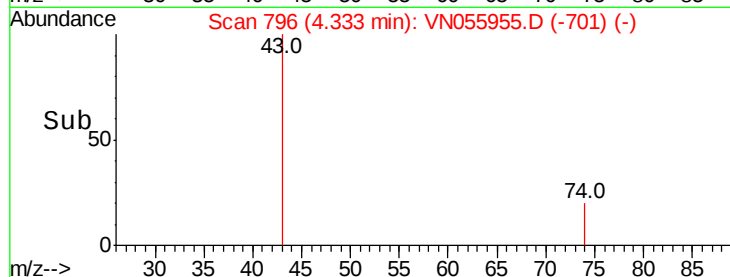
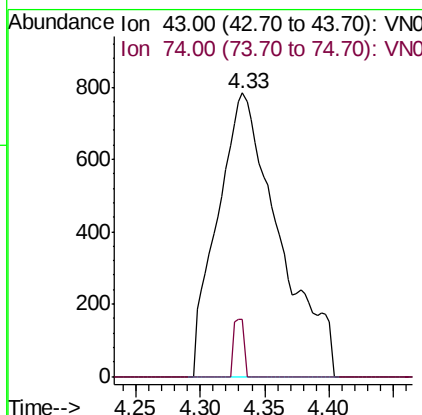
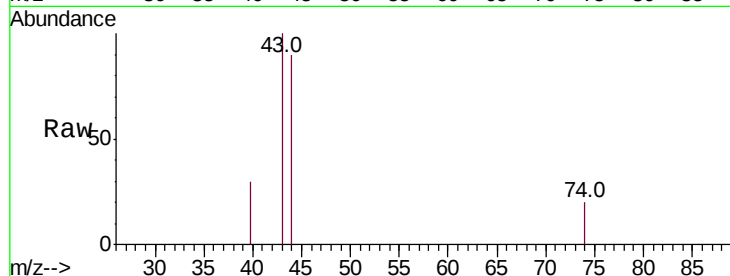




#18
Methvl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055955.D
Acq: 3 Jun 2019 12:34

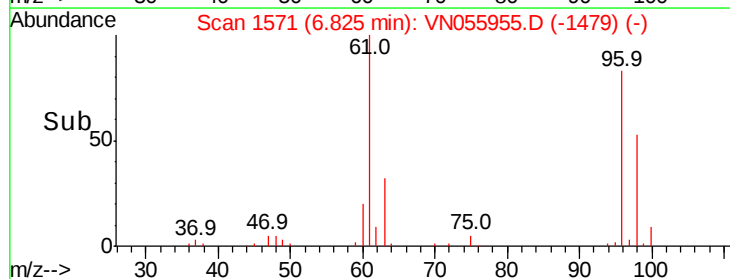
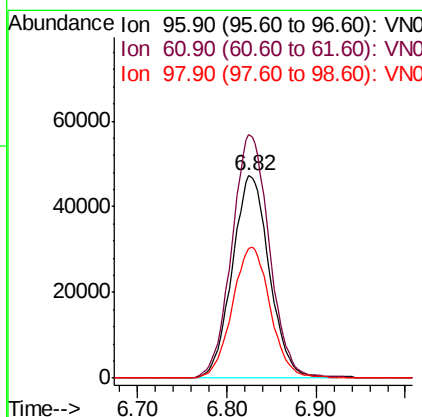
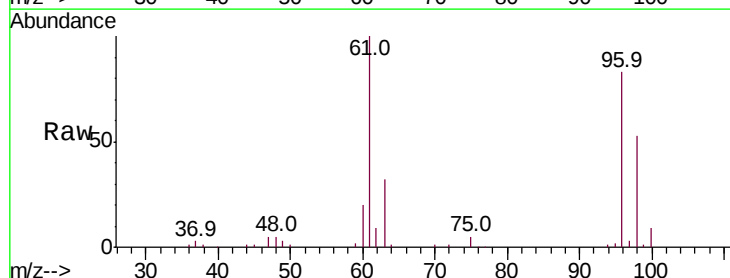
Instrument :
MSVOA_N
ClientSampled :

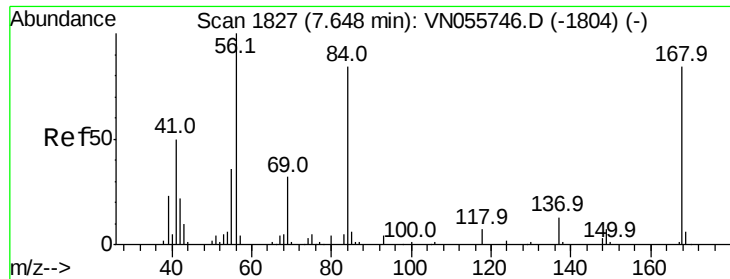
Tot Ion: 43 Resp: 2602
Ion Ratio Lower Upper
43 100
74 3.5 19.3 28.9#



#27
cis-1,2-Dichloroethene
Concen: 36.555 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055955.D
Acq: 3 Jun 2019 12:34

Tgt Ion: 96 Resp: 136655
Ion Ratio Lower Upper
96 100
61 121.8 0.0 275.8
98 66.1 0.0 128.4

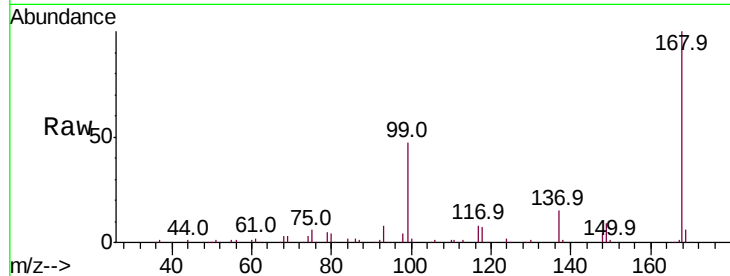




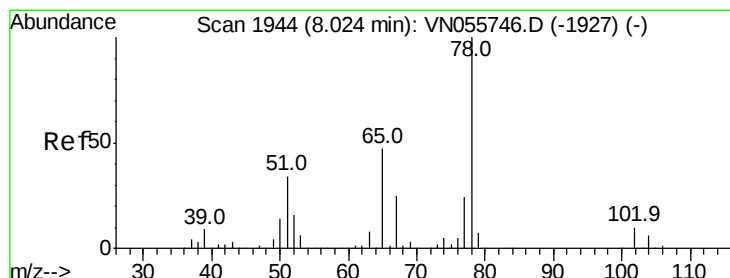
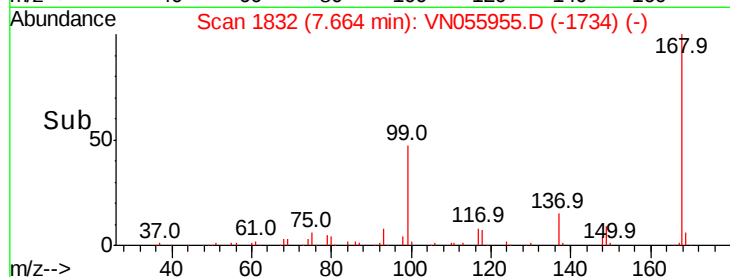
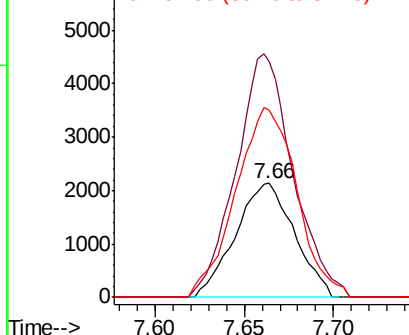
#31
Cyclohexane
Concen: 0.904 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN055955.D
Acq: 3 Jun 2019 12:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4915
Ion Ratio Lower Upper
56 100
69 207.1 25.6 38.4#
84 164.8 67.4 101.0#

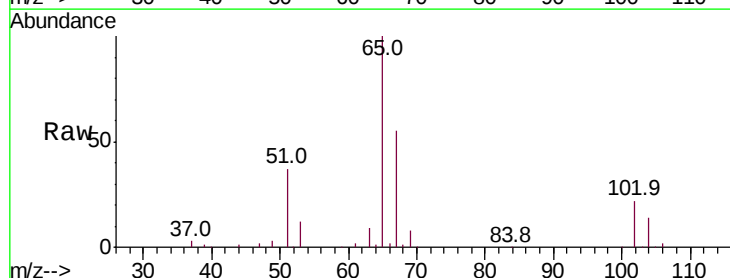


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

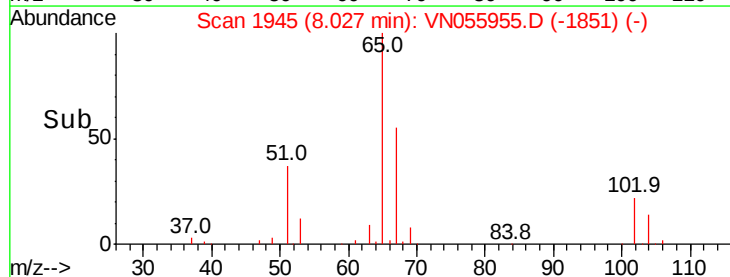
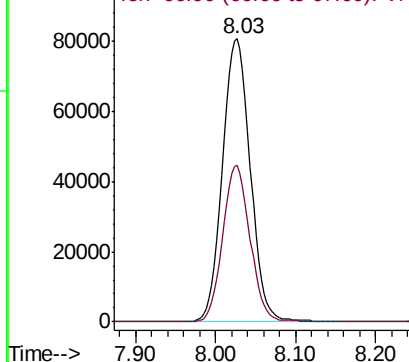


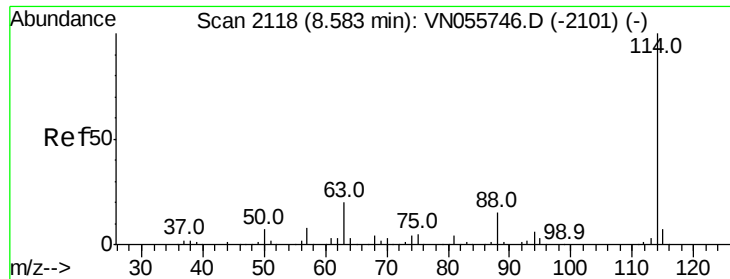
#33
1,2-Dichloroethane-d4
Concen: 53.214 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055955.D
Acq: 3 Jun 2019 12:34

Tgt Ion: 65 Resp: 192723
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.2



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

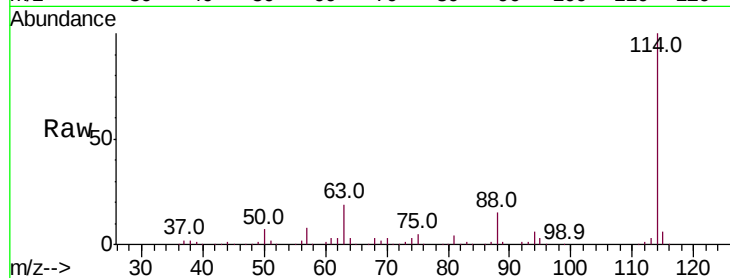




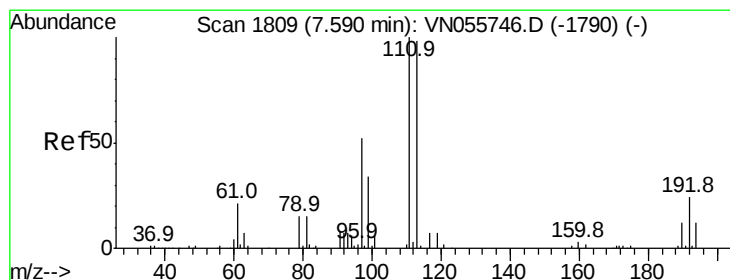
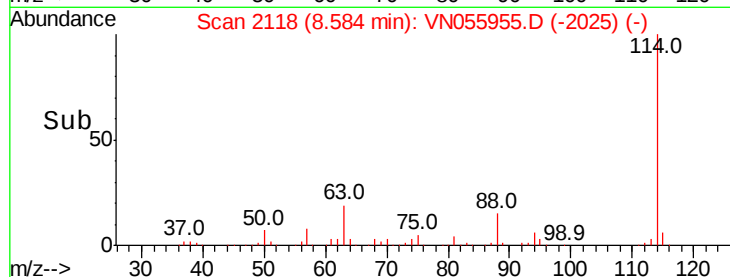
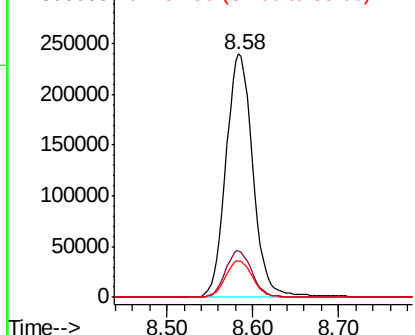
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055955.D
 Acq: 3 Jun 2019 12:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 523369
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.2
 88 15.1 0.0 31.0

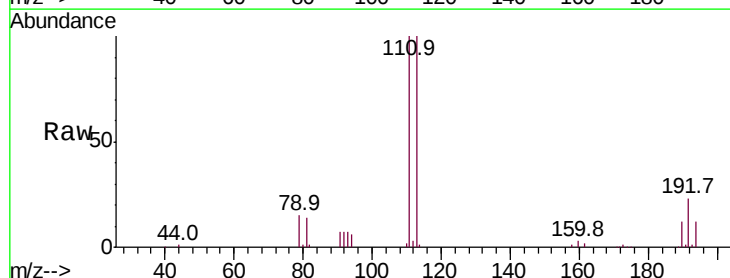


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

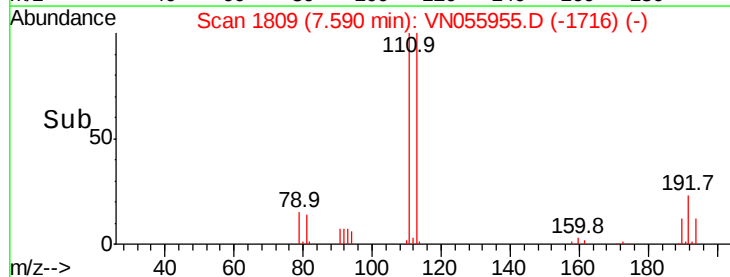
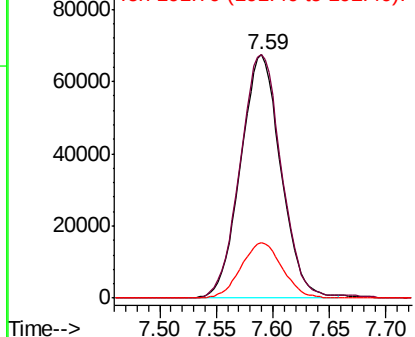


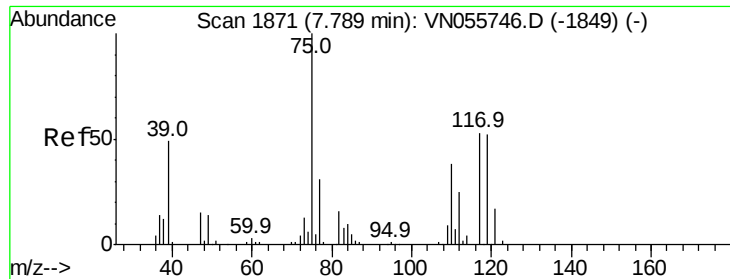
#35
 Dibromofluoromethane
 Concen: 50.315 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055955.D
 Acq: 3 Jun 2019 12:34

Tgt Ion:113 Resp: 166488
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.9 122.9
 192 23.5 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

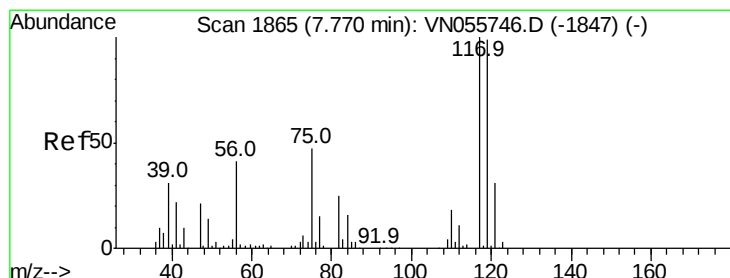
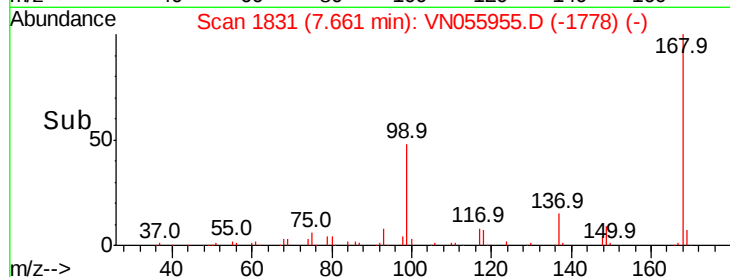
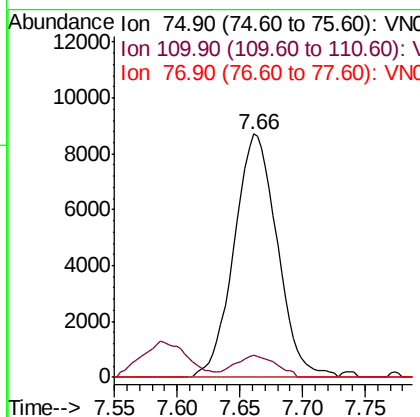
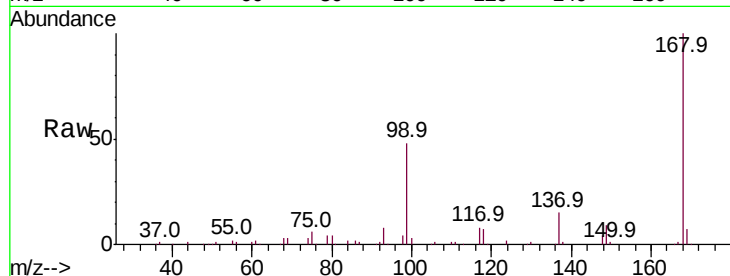




#36
 1,1-Dichloropropene
 Concen: 4.577 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN055955.D
 Acq: 3 Jun 2019 12:34

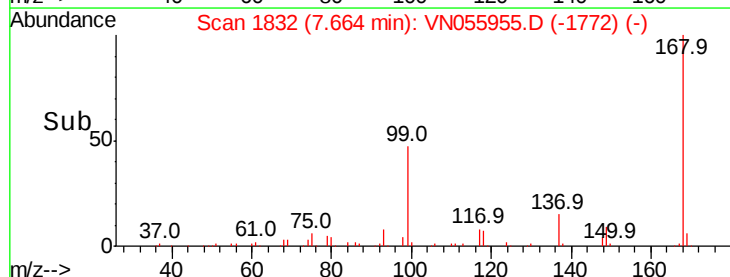
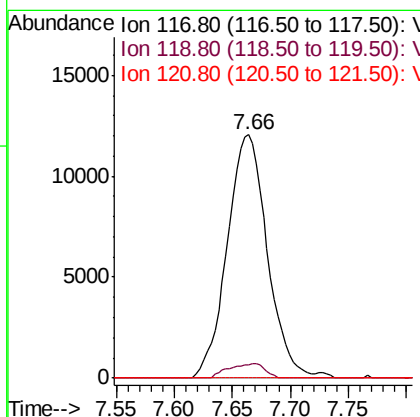
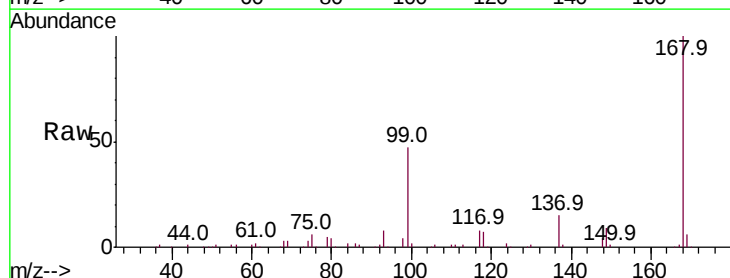
Instrument :
 MSVOA_N
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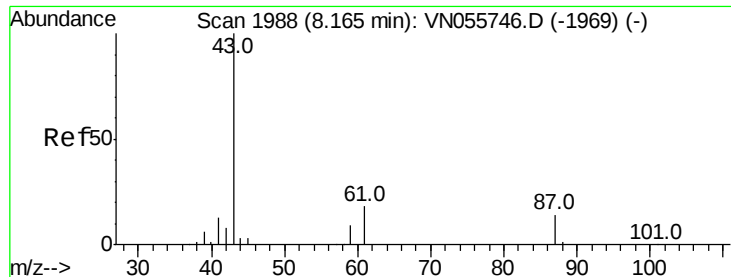
Tot Ion	75	Resp	20877
Ion Ratio	100	Lower	Upper
75	100		
110	8.6	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.100 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055955.D
 Acq: 3 Jun 2019 12:34

Tgt Ion	117	Resp	28978
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.4	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.252 ug/l

RT: 8.28 min Scan# 2025

Delta R.T. 0.12 min

Lab File: VN055955.D

Acq: 3 Jun 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

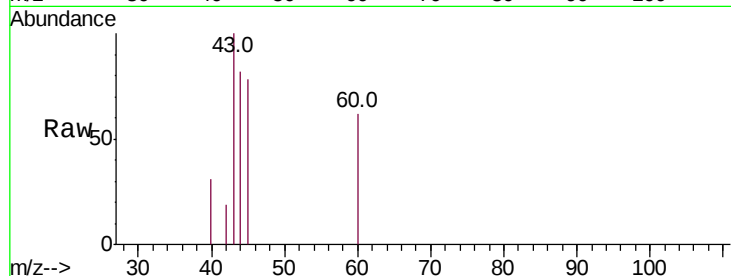
Tot Ion: 43 Resp: 1865

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

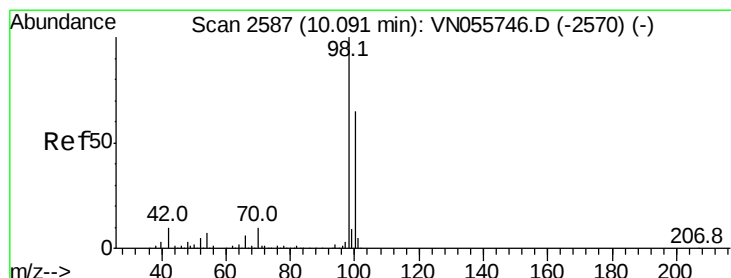
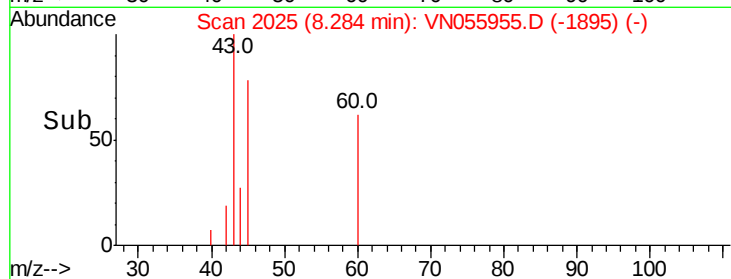
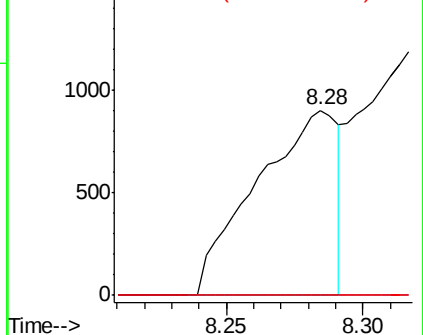
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN055955.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN055955.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN055955.D (-1895) (-)



#50

Toluene-d8

Concen: 53.328 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055955.D

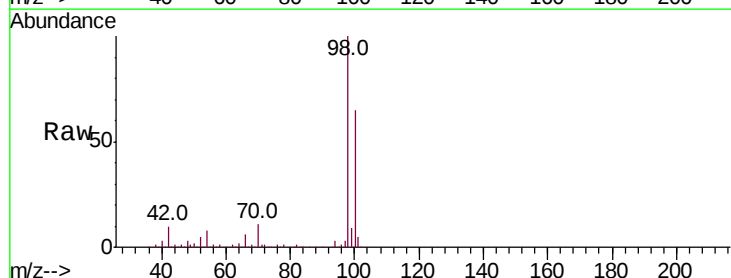
Acq: 3 Jun 2019 12:34

Tgt Ion: 98 Resp: 676874

Ion Ratio Lower Upper

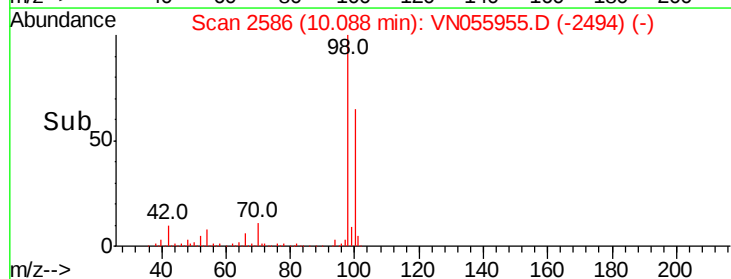
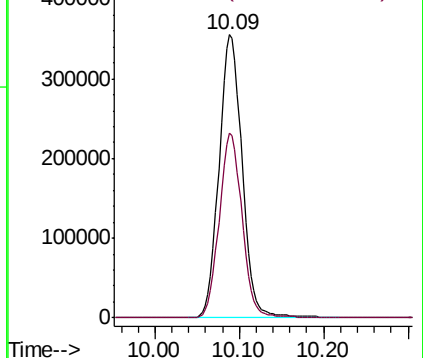
98 100

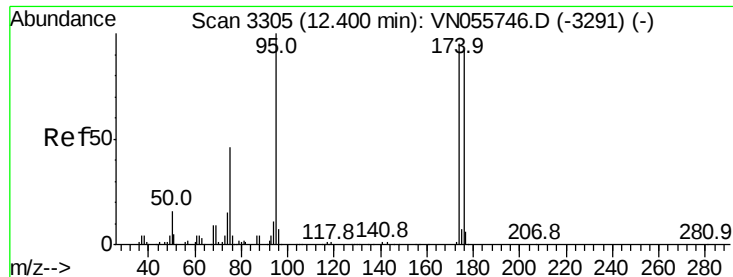
100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055955.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055955.D (-2494) (-)

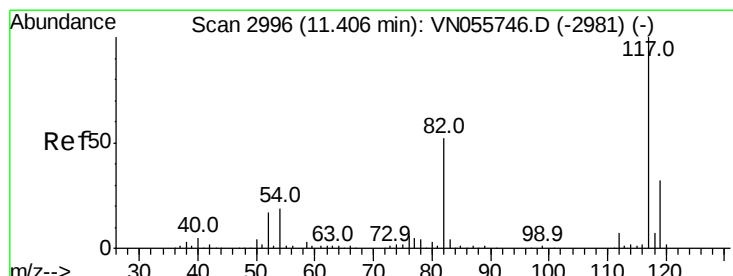
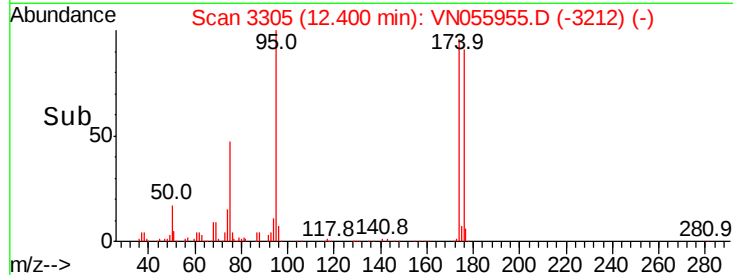
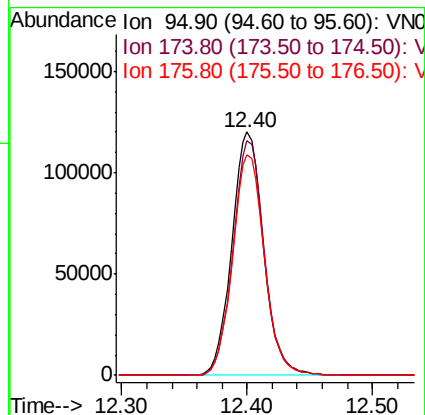
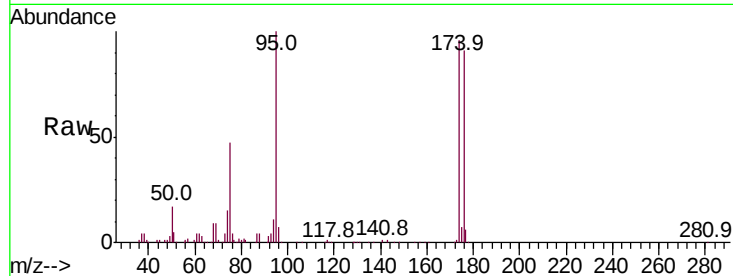




#62
4-Bromofluorobenzene
Concen: 48.194 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055955.D
Acq: 3 Jun 2019 12:34

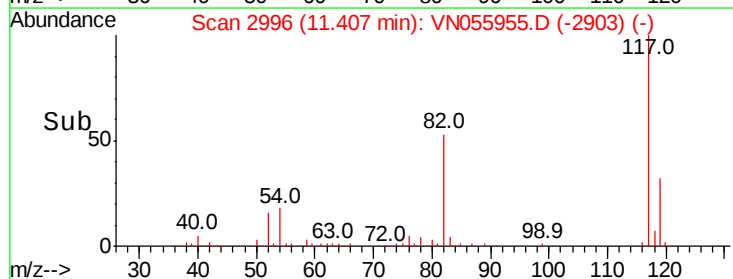
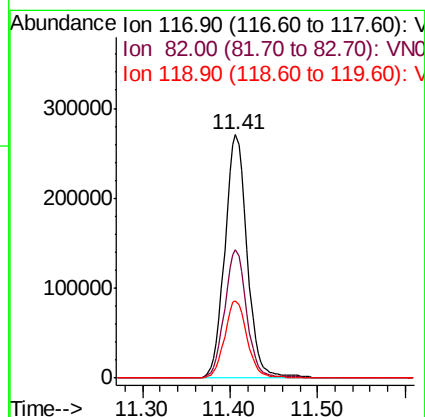
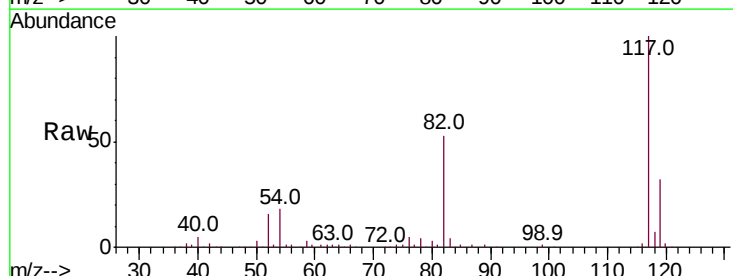
Instrument :
MSVOA_N
ClientSampled :

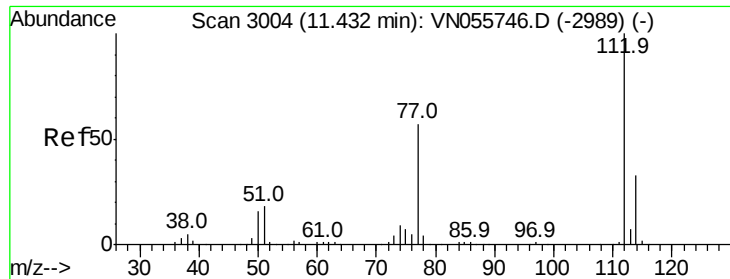
Tot Ion: 95 Resp: 209749
Ion Ratio Lower Upper
95 100
174 95.3 0.0 191.0
176 91.2 0.0 185.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055955.D
Acq: 3 Jun 2019 12:34

Tgt Ion: 117 Resp: 480347
Ion Ratio Lower Upper
117 100
82 52.7 41.8 62.8
119 31.7 25.4 38.0

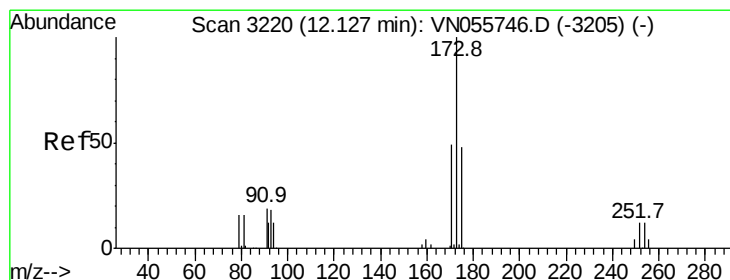
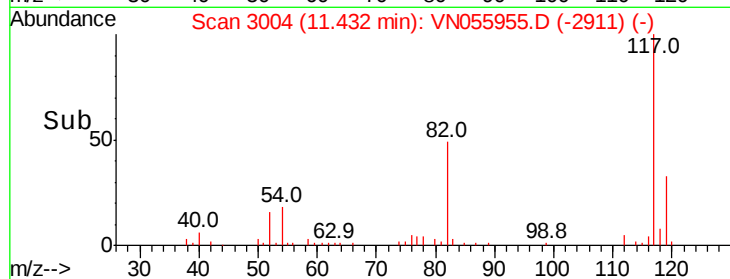
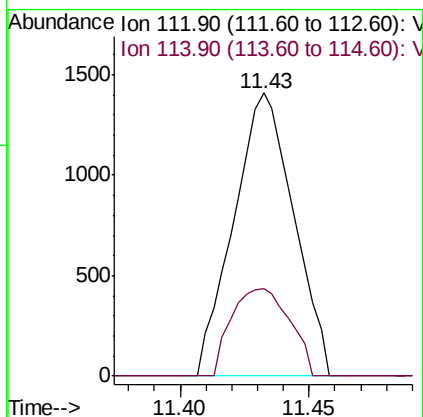
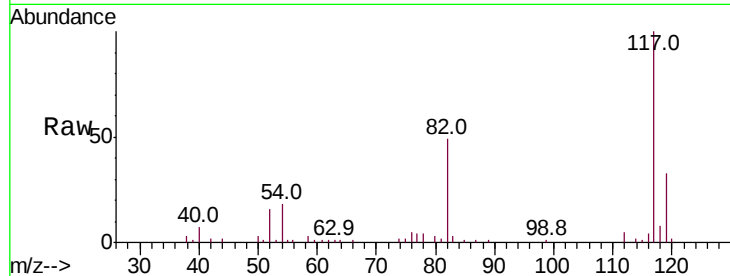




#65
Chlorobenzene
Concen: 0.238 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055955.D
Acq: 3 Jun 2019 12:34

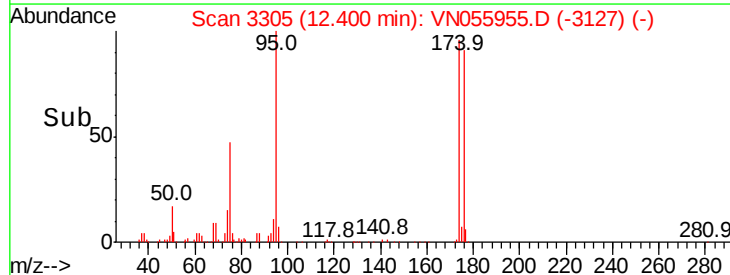
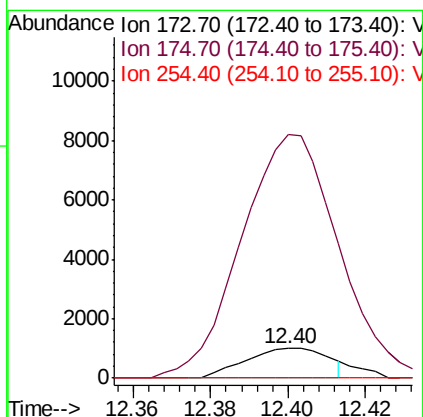
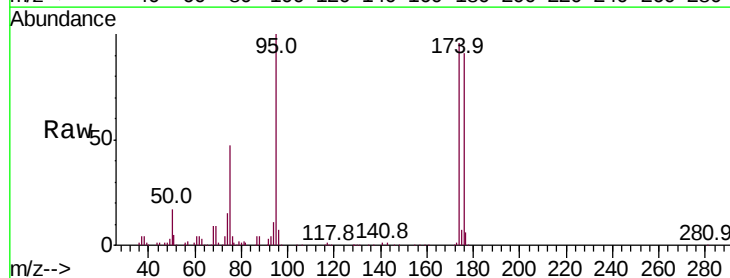
Instrument :
MSVOA_N
ClientSampleId :

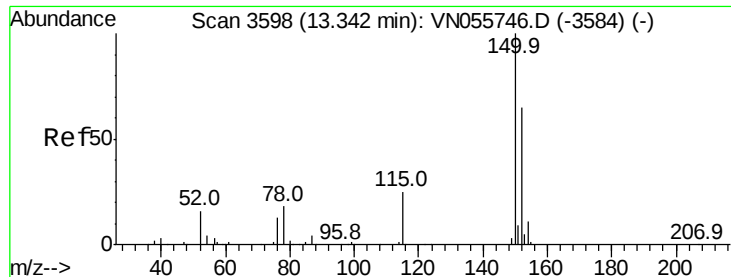
Tot Ion:112 Resp: 2286
Ion Ratio Lower Upper
112 100
114 31.1 26.2 39.4



#71
Bromoform
Concen: 0.456 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055955.D
Acq: 3 Jun 2019 12:34

Tgt Ion:173 Resp: 1492
Ion Ratio Lower Upper
173 100
175 849.3 24.3 72.8#
254 0.0 0.0 0.0



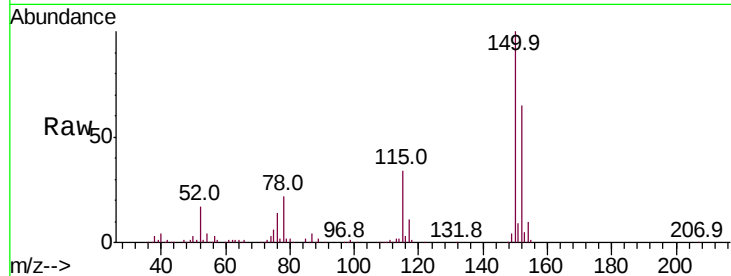


#72

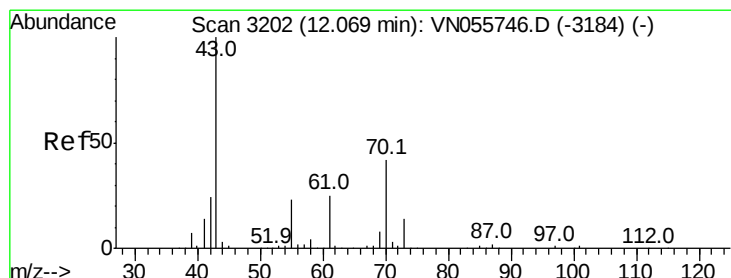
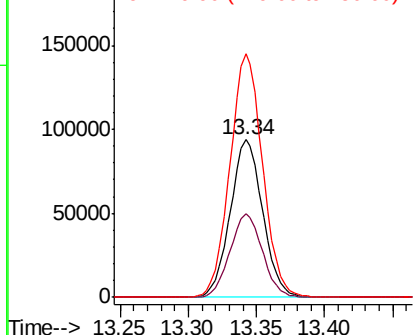
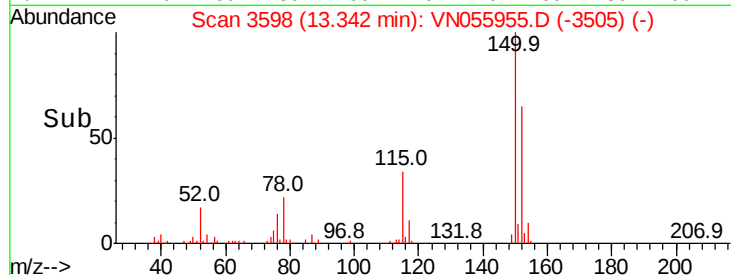
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055955.D
Acq: 3 Jun 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 154674
Ion Ratio Lower Upper
152 100
115 53.3 27.0 81.0
150 155.4 0.0 343.2



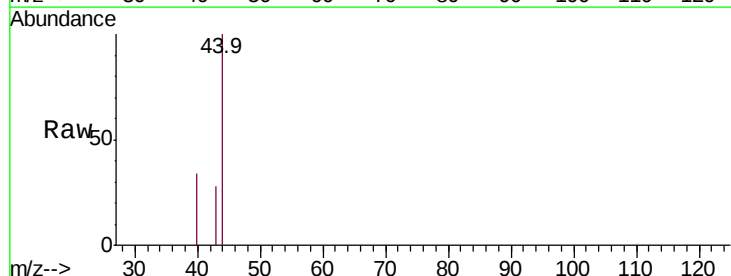
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



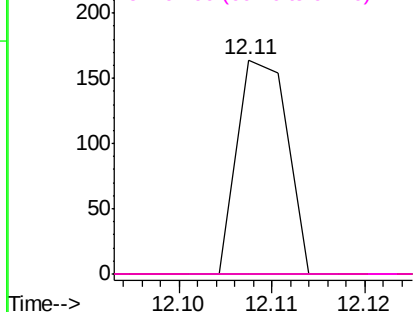
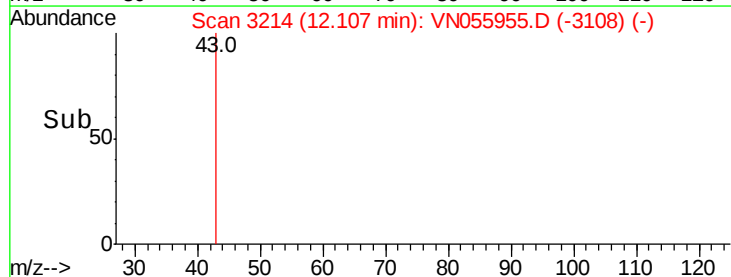
#74

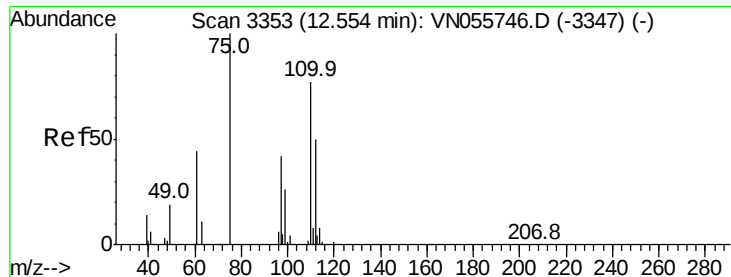
N-ethyl acetate
Concen: Below Cal
RT: 12.11 min Scan# 3214
Delta R.T. 0.04 min
Lab File: VN055955.D
Acq: 3 Jun 2019 12:34

Tgt Ion: 43 Resp: 61
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#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 70.00 (69.70 to 70.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 35.837 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055955.D

Acq: 3 Jun 2019 12:34

Instrument :

MSVOA_N

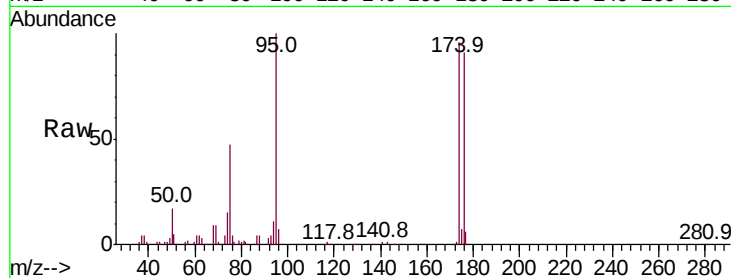
ClientSampleId :

Tot Ion: 75 Resp: 97822

Ion Ratio Lower Upper

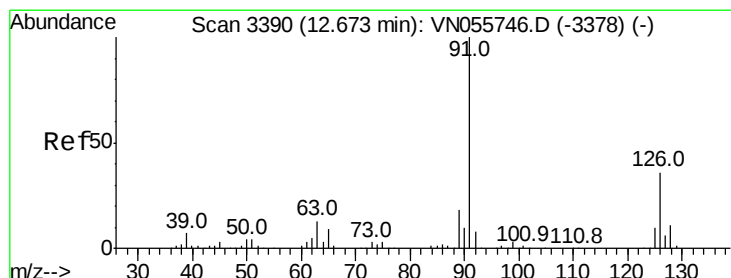
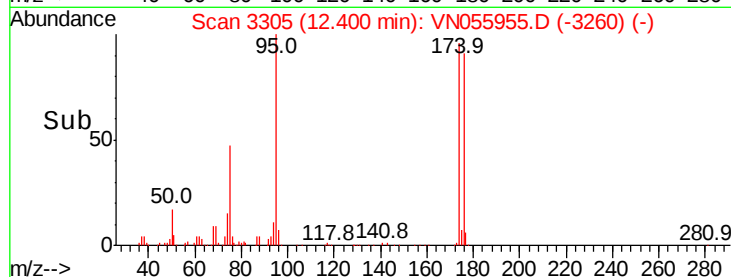
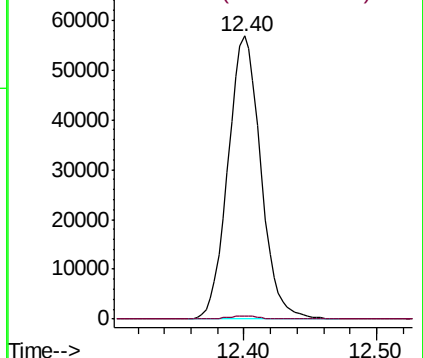
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN055955.D

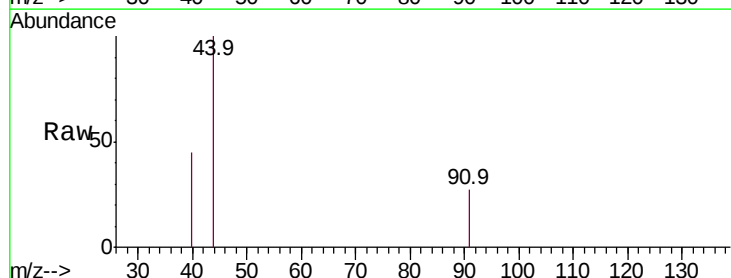
Acq: 3 Jun 2019 12:34

Tgt Ion: 91 Resp: 63

Ion Ratio Lower Upper

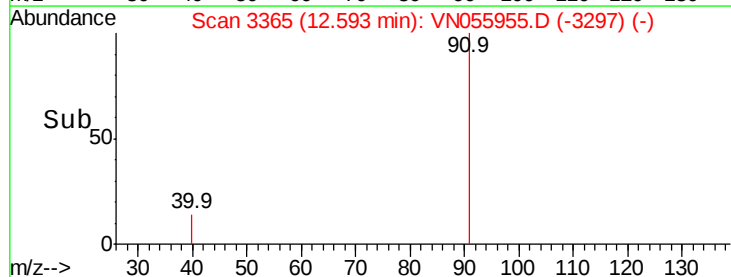
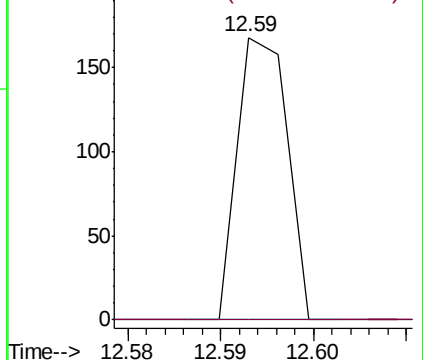
91 100

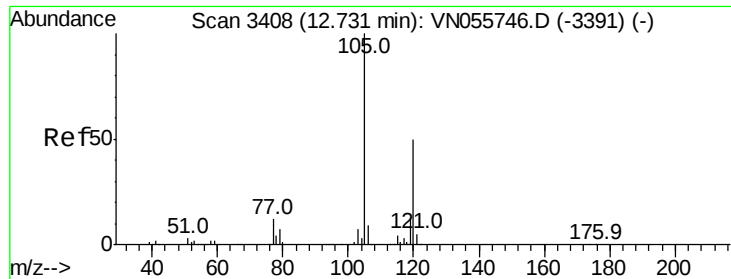
126 0.0 18.1 54.4#



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# 3409

Delta R.T. 0.00 min

Lab File: VN055955.D

Acq: 3 Jun 2019 12:34

Instrument :

MSVOA_N

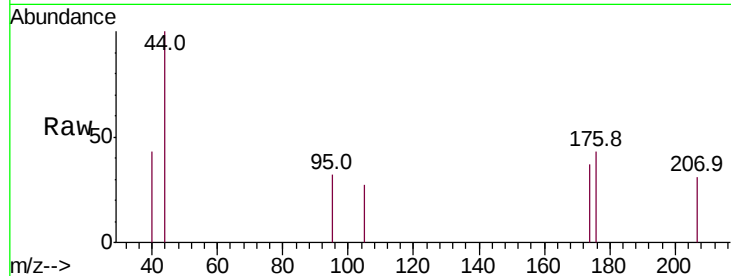
ClientSampleId :

Tot Ion:105 Resp: 30

Ion Ratio Lower Upper

105 100

120 0.0 24.7 74.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

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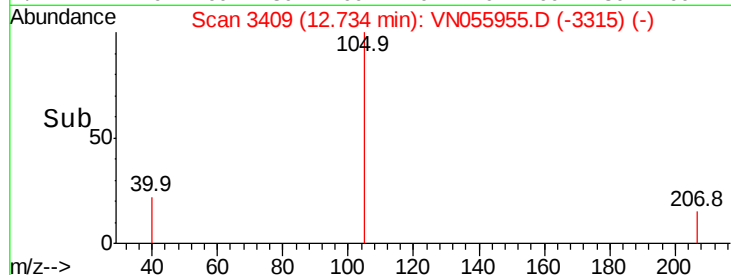
12.73

12.73

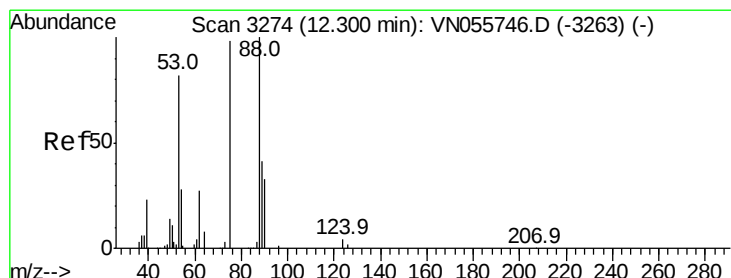
12.73

12.73

12.73



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 85.094 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055955.D

Acq: 3 Jun 2019 12:34

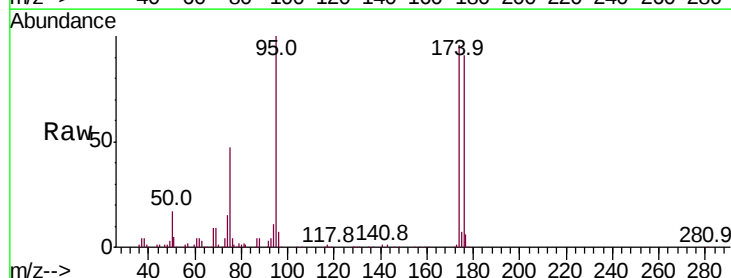
Tgt Ion: 75 Resp: 97822

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.40

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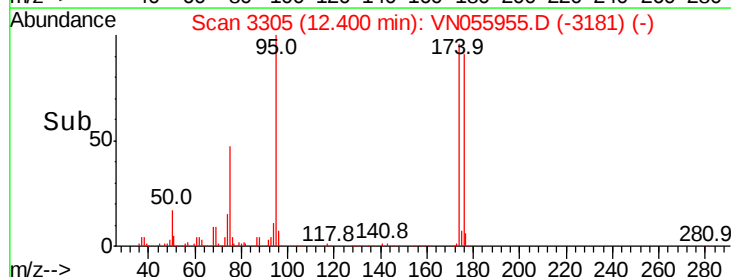
12.40

12.40

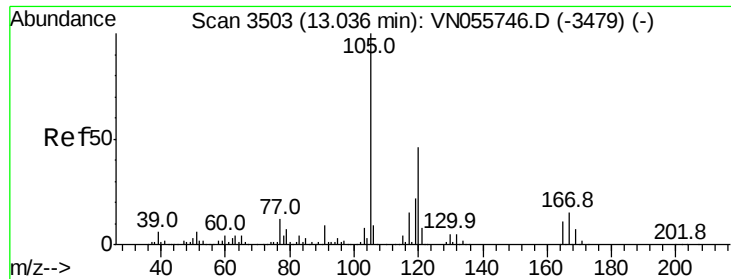
12.40

12.40

12.40



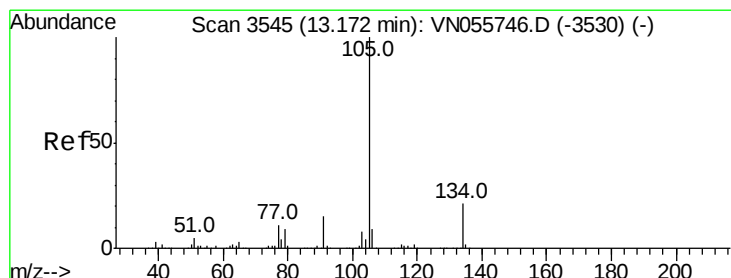
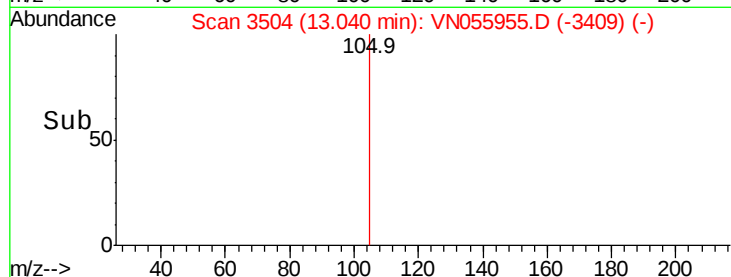
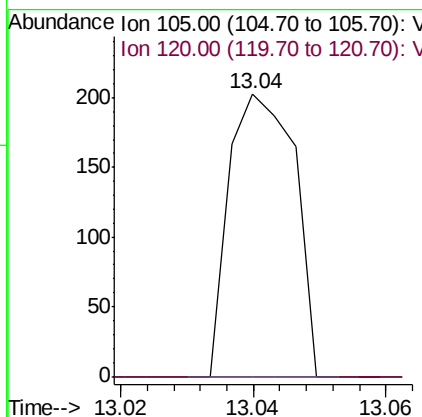
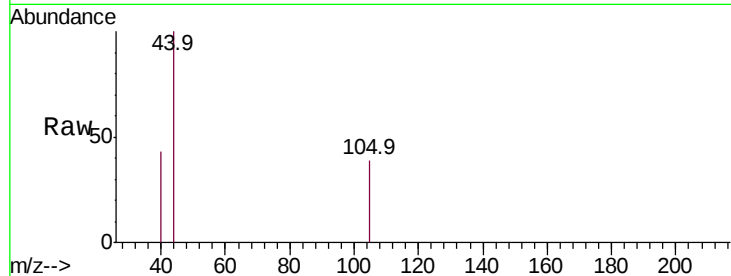
Time-->



#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055955.D
 Acq: 3 Jun 2019 12:34

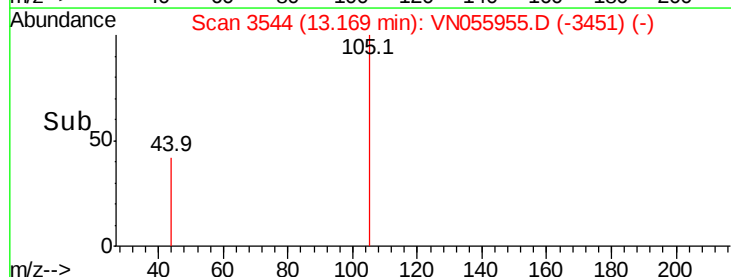
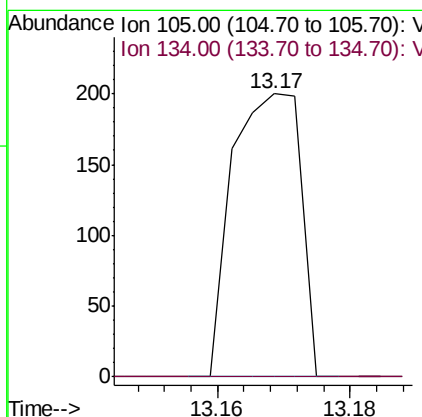
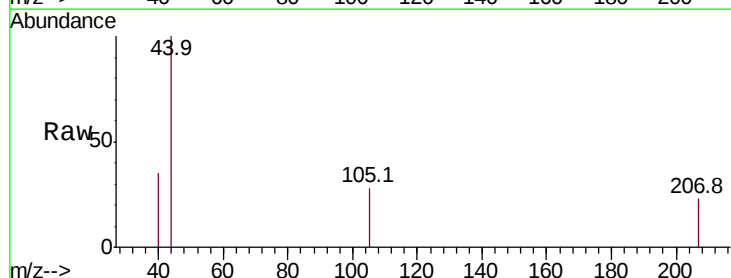
Instrument :
 MSVOA_N
 ClientSampleId :

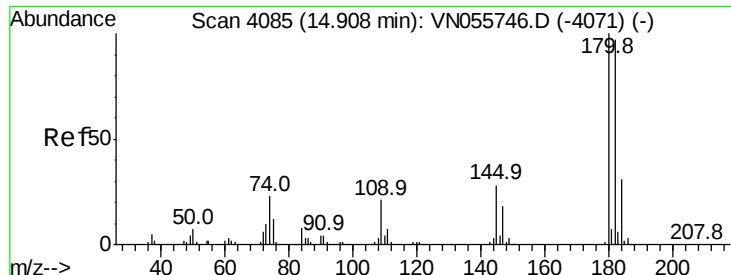
Tot Ion:105 Resp: 139
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.0 69.0#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN055955.D
 Acq: 3 Jun 2019 12:34

Tgt Ion:105 Resp: 144
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#





#93
 1,2,4-Trichlorobenzene
 Concen: 3.670 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055955.D
 Acq: 3 Jun 2019 12:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 106
 Ion Ratio Lower Upper
 180 100
 182 145.3 48.3 144.9#
 145 0.0 14.0 41.9#

