

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082619\
 Data File : VN057539.D
 Acq On : 27 Aug 2019 3:34
 Operator : JC/SP
 Sample : K4493-44
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-G4-(1.9)

Quant Time: Aug 27 07:23:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	379938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	661492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	538264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	140606	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	318830	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
35) Dibromofluoromethane	7.57	113	210212	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
50) Toluene-d8	10.08	98	824762	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	12.40	95	226400	39.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.08%	

Target Compounds

					Qvalue	
8) Diethyl Ether	3.40	74	1568	Below Cal	74	
9) 1,1,2-Trichlorotrifluoroet	3.73	101	29	Below Cal	#	17
13) Acrolein	3.59	56	258	0.353	ug/l #	50
16) Acetone	3.80	43	14317	4.664	ug/l #	86
18) Methyl Acetate	4.31	43	16201	1.521	ug/l	100
20) Methylene Chloride	4.52	84	10643	2.267	ug/l	97
25) 2-Butanone	6.81	43	1111	0.333	ug/l	91
29) Tetrahydrofuran	7.21	42	454	0.207	ug/l #	81
31) Cyclohexane	7.66	56	12274	1.307	ug/l #	18
36) 1,1-Dichloropropene	7.65	75	38010	5.623	ug/l #	47
38) Carbon Tetrachloride	7.65	117	42083	6.267	ug/l #	17
43) Isopropyl Acetate	8.16	43	60660	4.953	ug/l	99
48) Methyl methacrylate	9.18	41	3873	0.665	ug/l #	35
49) 1,4-Dioxane	9.20	88	71	0.943	ug/l #	18
51) 4-Methyl-2-Pentanone	9.98	43	7100	1.040	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	26207	2.981	ug/l #	70
57) 1,3-Dichloropropane	10.77	76	1869	0.227	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.55	63	63	17.093	ug/l #	1
59) 2-Hexanone	10.76	43	29818	6.370	ug/l #	56
71) Bromoform	12.41	173	978	0.347	ug/l #	1
73) Isopropylbenzene	12.40	105	298	Below Cal	#	50
74) N-amyl acetate	12.04	43	997	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	12.52	83	29	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	133231	42.228	ug/l #	100
77) Bromobenzene	12.41	156	61	Below Cal	#	1
78) n-propylbenzene	12.60	91	338	Below Cal	#	55
79) 2-Chlorotoluene	12.67	91	62	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	12.73	105	490	Below Cal		72
81) trans-1,4-Dichloro-2-buten	12.40	75	133231	108.648	ug/l #	8
82) 4-Chlorotoluene	12.74	91	84	Below Cal	#	45
85) sec-Butylbenzene	13.17	105	67	Below Cal	#	18
92) 1,2-Dibromo-3-Chloropropan	14.39	75	34	Below Cal	#	11

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Quant Title : SW846 8260
QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration

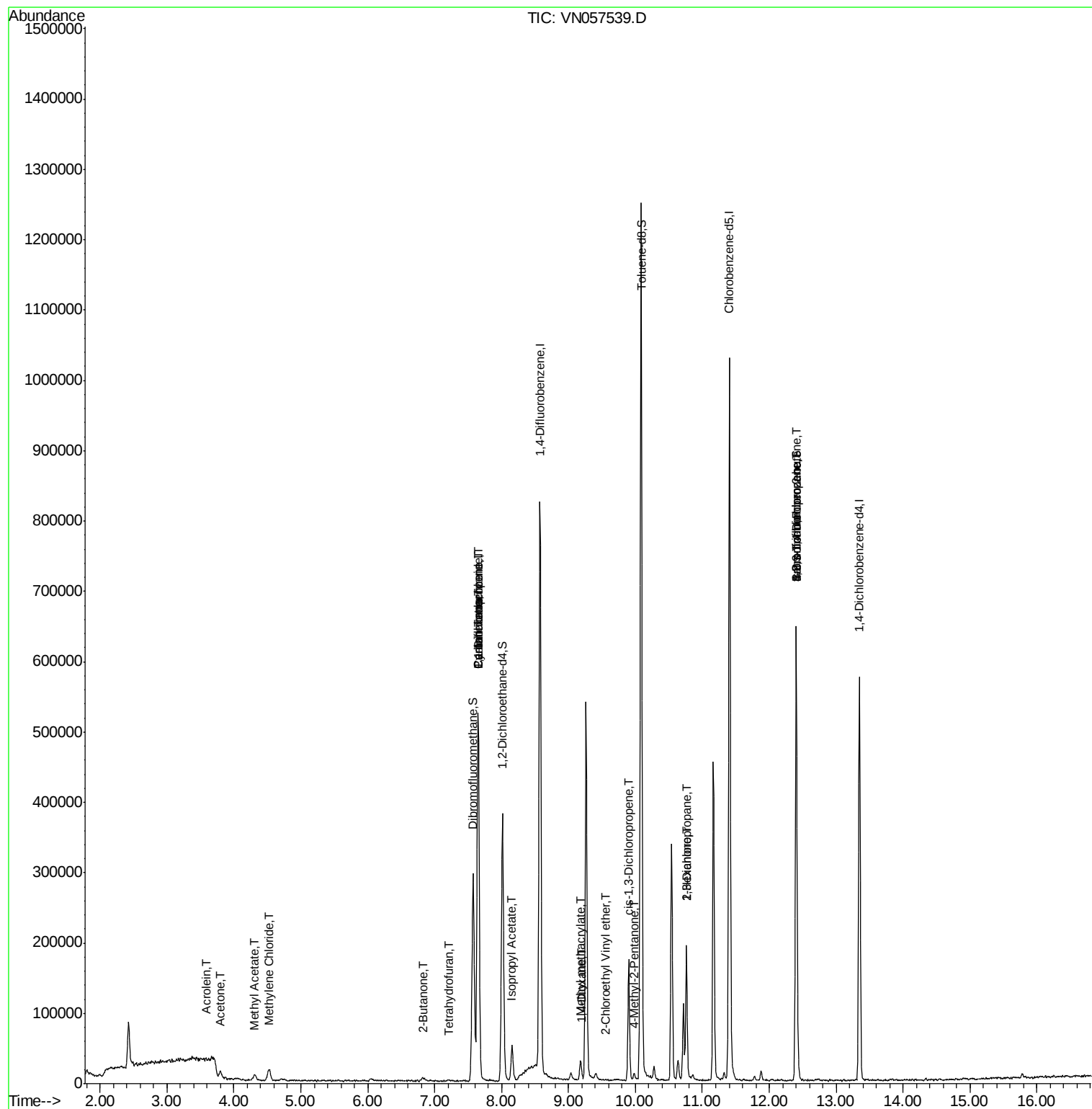
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

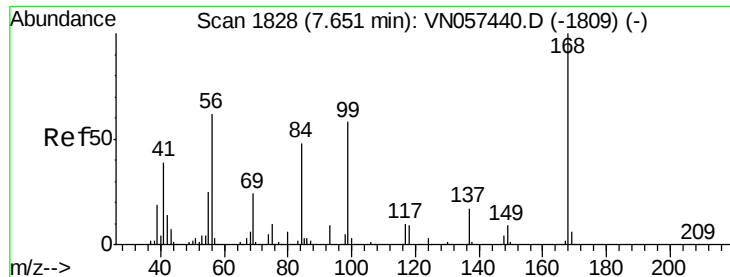
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082619\
Data File : VN057539.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

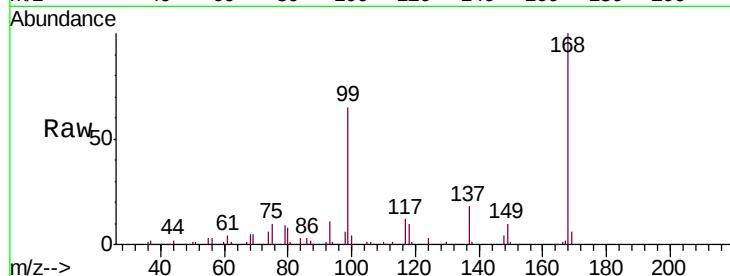
T9-12-13-G4-(1.9)

Tgt Ion:168 Resp: 379938

Ion Ratio Lower Upper

168 100

99 65.4 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

150000

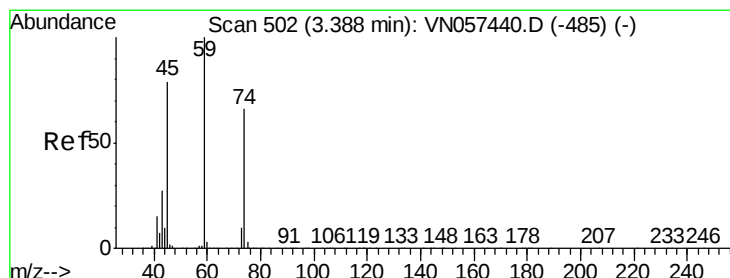
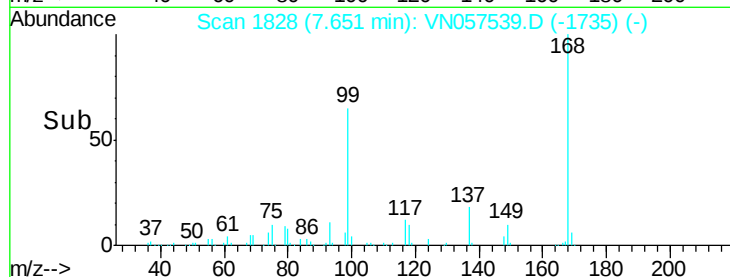
100000

50000

0

7.60 7.70 7.80

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 3.40 min Scan# 505

Delta R.T. 0.01 min

Lab File: VN057539.D

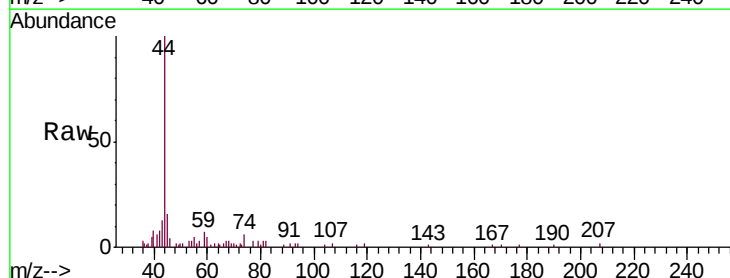
Acq: 27 Aug 2019 3:34

Tgt Ion: 74 Resp: 1568

Ion Ratio Lower Upper

74 100

45 143.9 57.9 173.6



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

2500

2000

1500

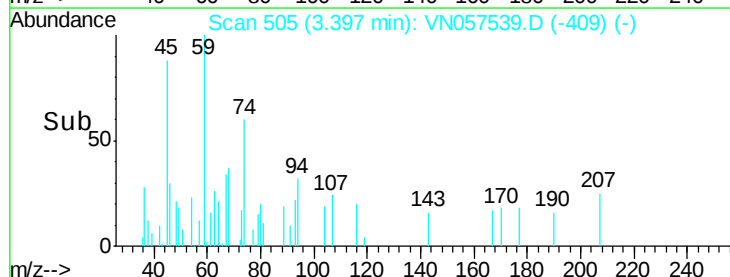
1000

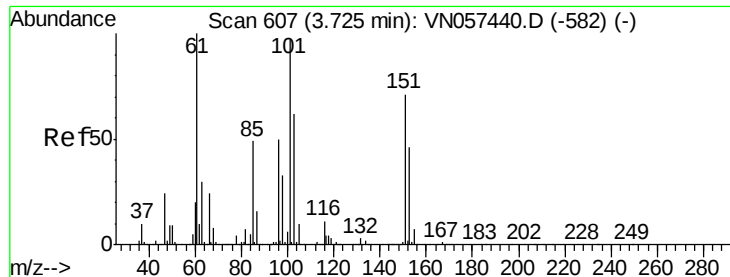
500

0

3.35 3.40

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

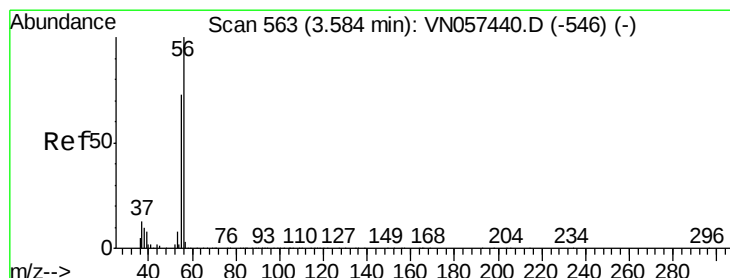
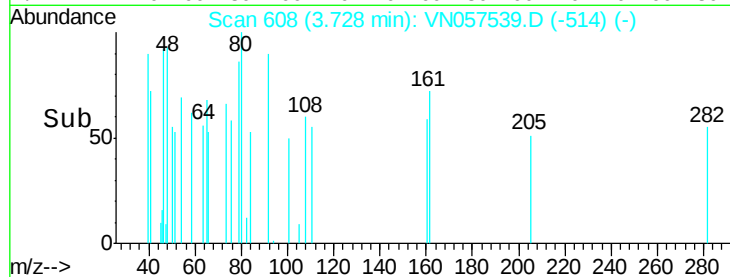
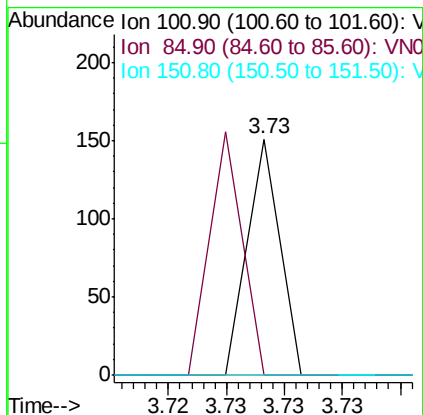
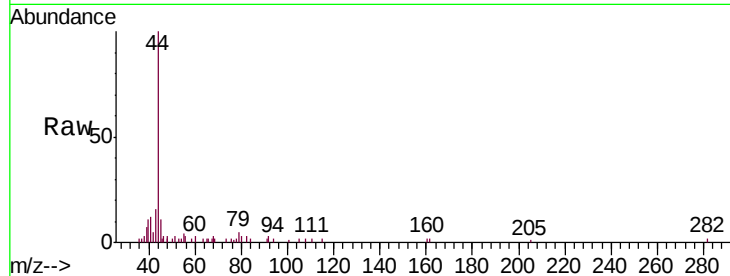
Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-G4-(1.9)

Tgt Ion:	101	Resp:	29
Ion	Ratio	Lower	Upper
101	100		
85	103.4	40.0	60.0#
151	0.0	57.0	85.6#



#13

Acrolein

Concen: 0.353 ug/l

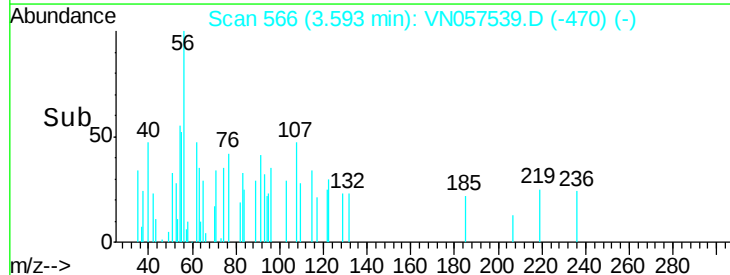
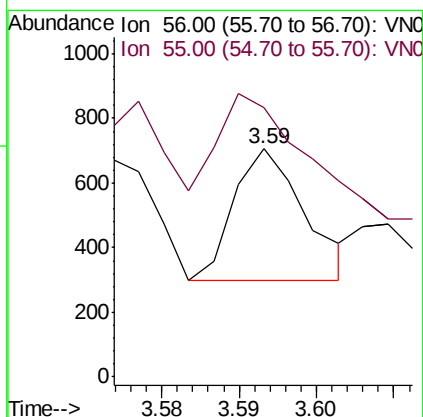
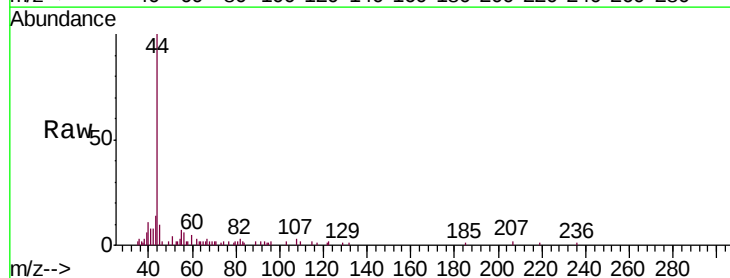
RT: 3.59 min Scan# 566

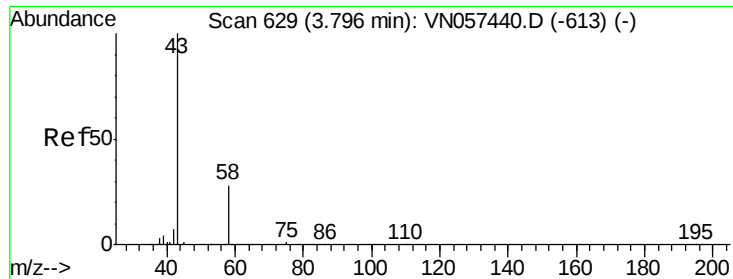
Delta R.T. 0.01 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

Tgt Ion:	56	Resp:	258
Ion	Ratio	Lower	Upper
56	100		
55	116.3	59.0	88.4#





#16

Acetone

Concen: 4.664 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

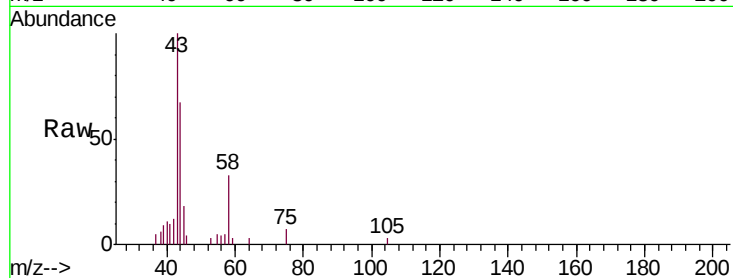
T9-12-13-G4-(1.9)

Tgt Ion: 43 Resp: 14317

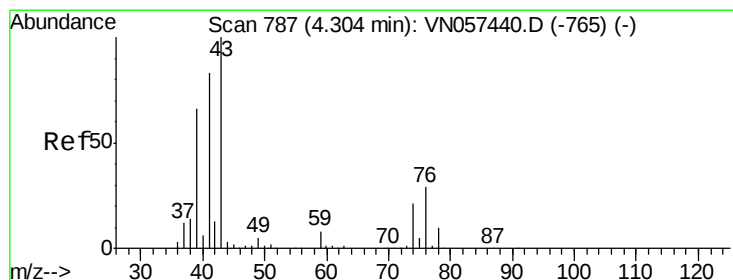
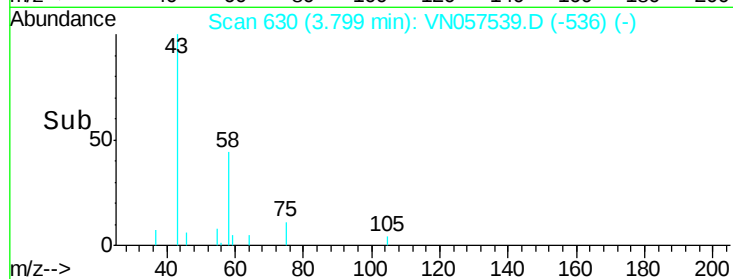
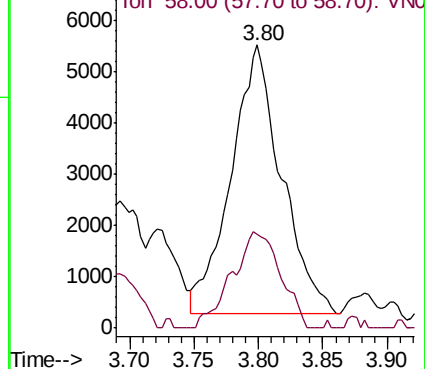
Ion Ratio Lower Upper

43 100

58 35.0 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-613) (-)



#18

Methyl Acetate

Concen: 1.521 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057539.D

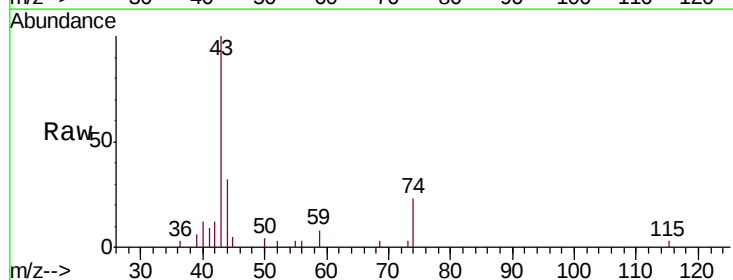
Acq: 27 Aug 2019 3:34

Tgt Ion: 43 Resp: 16201

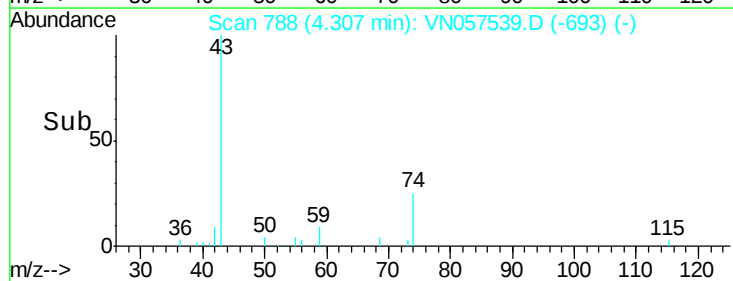
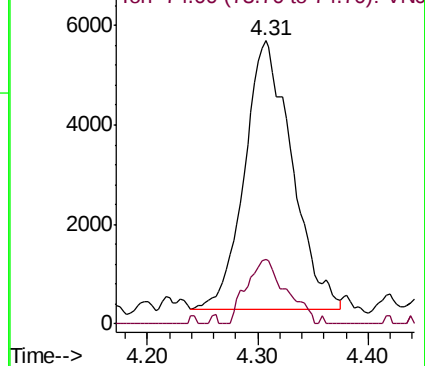
Ion Ratio Lower Upper

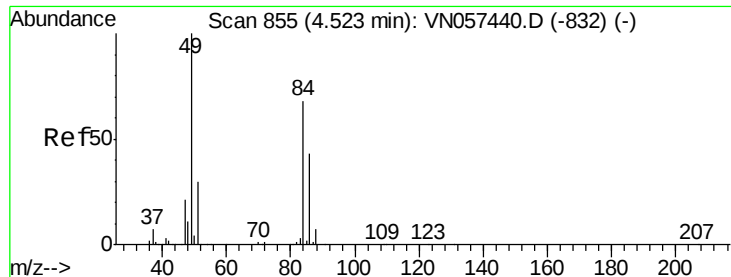
43 100

74 19.9 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-765) (-)





#20

Methylene Chloride

Concen: 2.267 ug/l

RT: 4.52 min Scan# 853

Delta R.T. -0.01 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-G4-(1.9)

Tgt Ion: 84 Resp: 10643

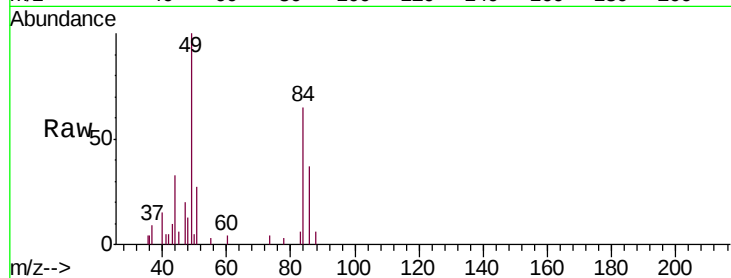
Ion Ratio Lower Upper

84 100

49 148.1 117.0 175.4

51 41.0 35.5 53.3

86 57.3 49.8 74.8

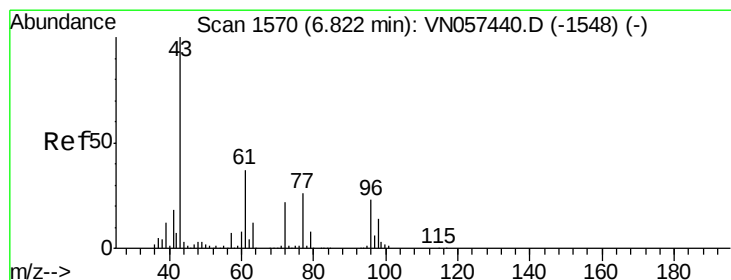
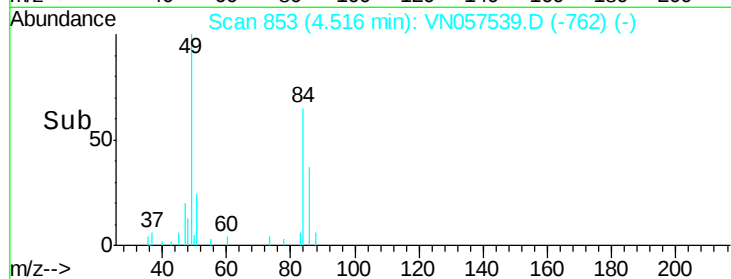
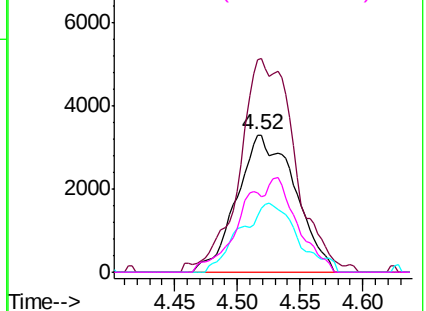


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.333 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VN057539.D

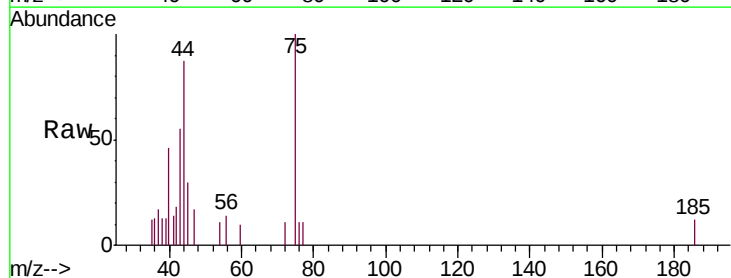
Acq: 27 Aug 2019 3:34

Tgt Ion: 43 Resp: 1111

Ion Ratio Lower Upper

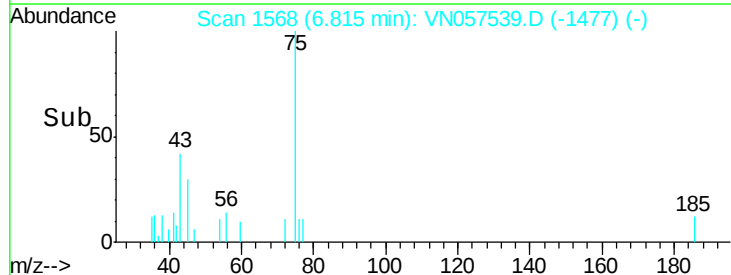
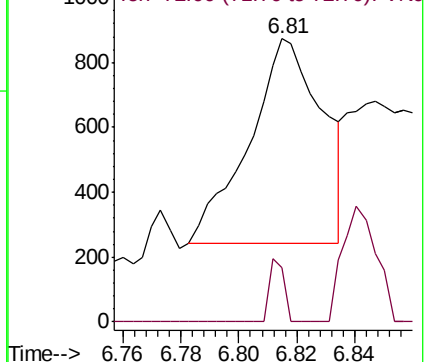
43 100

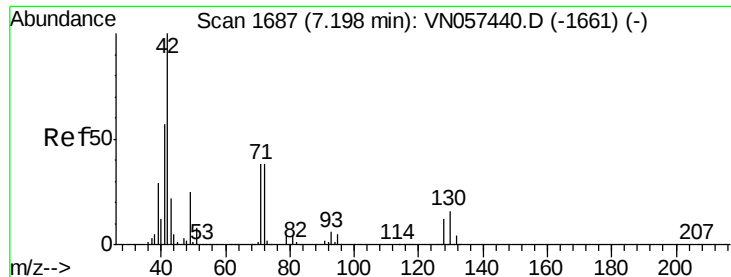
72 26.7 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

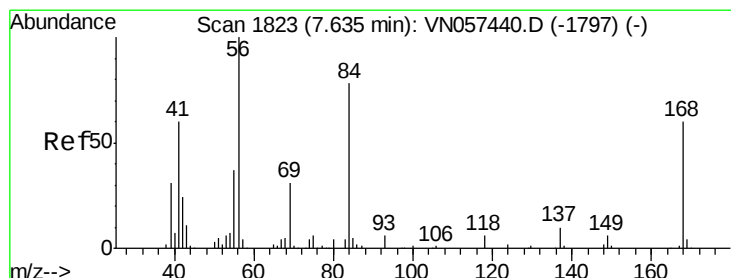
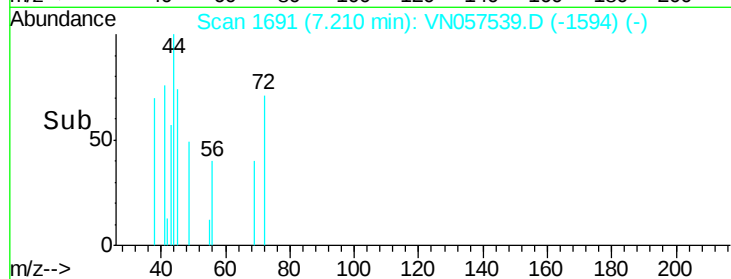
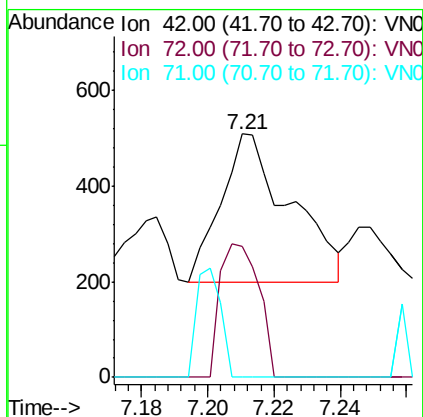
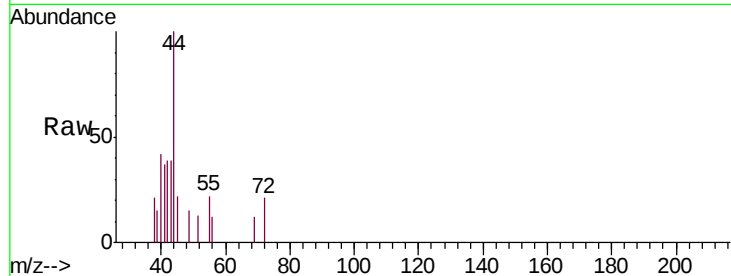




#29
Tetrahydrofuran
Concen: 0.207 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN057539.D
Acq: 27 Aug 2019 3:34

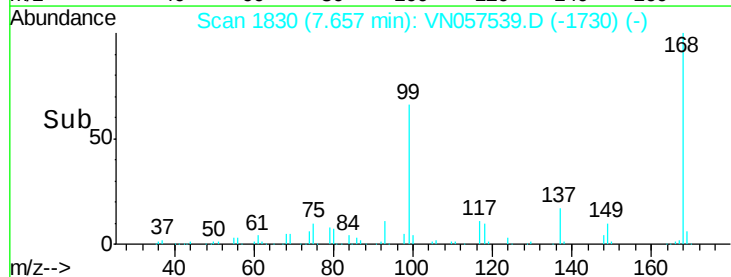
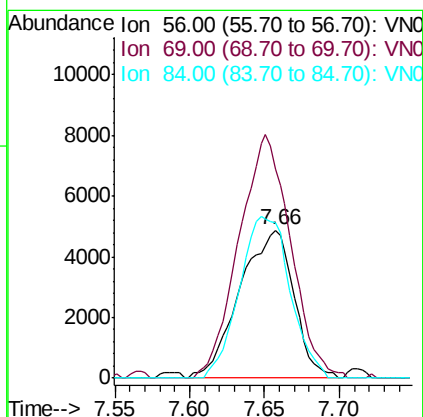
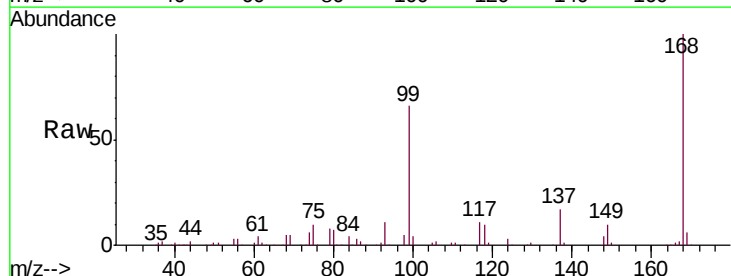
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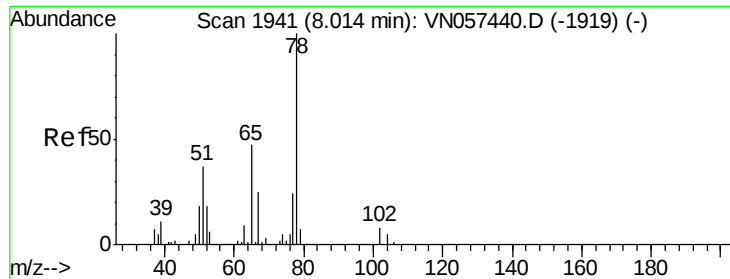
Tgt Ion: 42 Resp: 454
Ion Ratio Lower Upper
42 100
72 49.6 30.1 45.1#
71 25.6 28.8 43.2#



#31
Cyclohexane
Concen: 1.307 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.02 min
Lab File: VN057539.D
Acq: 27 Aug 2019 3:34

Tgt Ion: 56 Resp: 12274
Ion Ratio Lower Upper
56 100
69 140.8 25.0 37.6#
84 108.9 62.5 93.7#

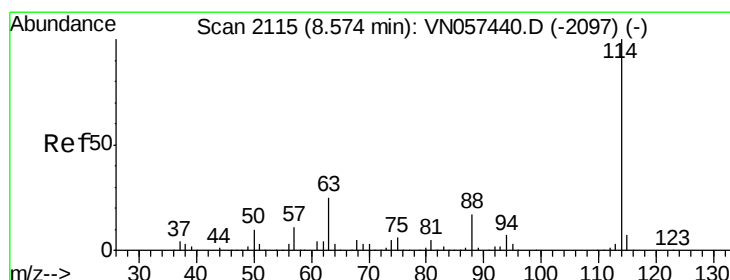
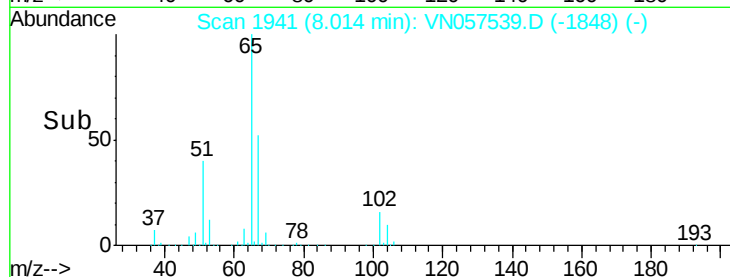
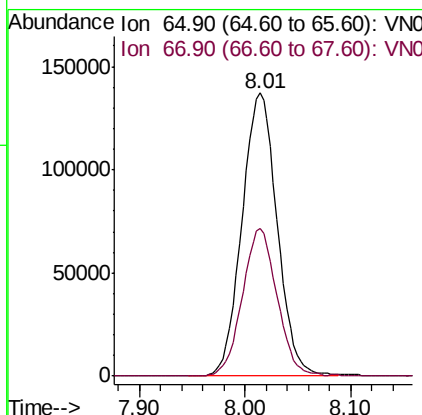
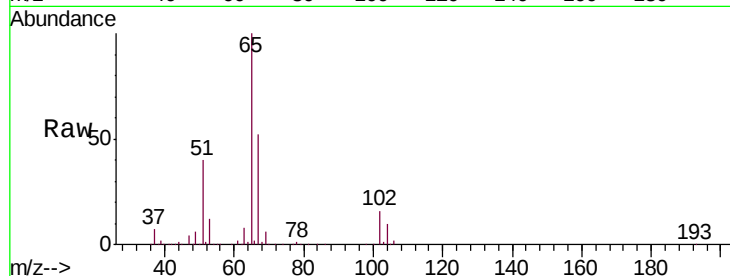




#33
 1,2-Dichloroethane-d4
 Concen: 47.703 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057539.D
 Acq: 27 Aug 2019 3:34

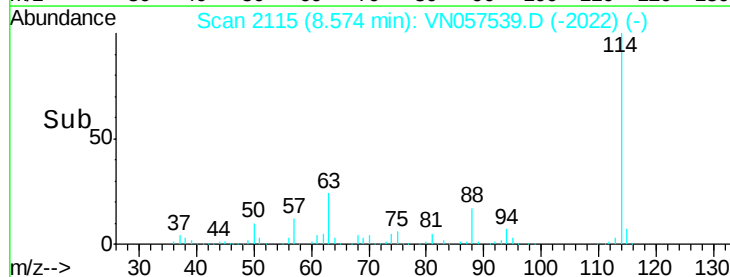
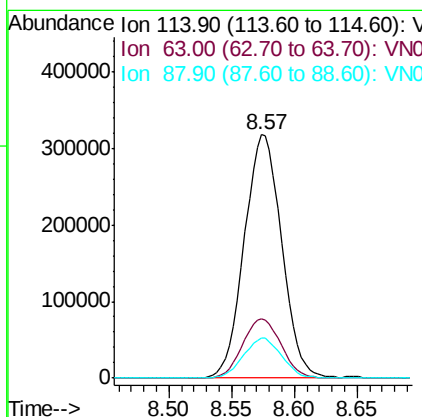
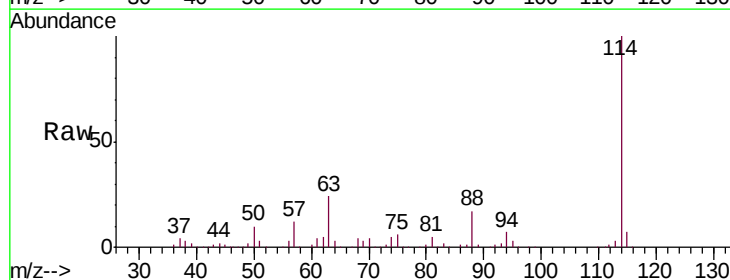
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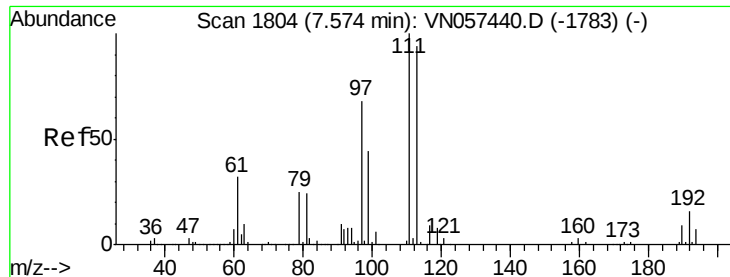
Tgt Ion: 65 Resp: 318830
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057539.D
 Acq: 27 Aug 2019 3:34

Tgt Ion: 114 Resp: 661492
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 50.2
 88 16.5 0.0 34.6

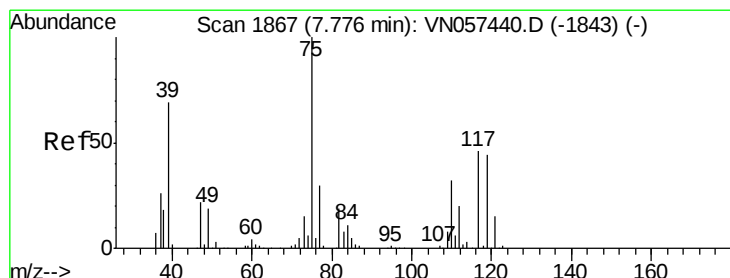
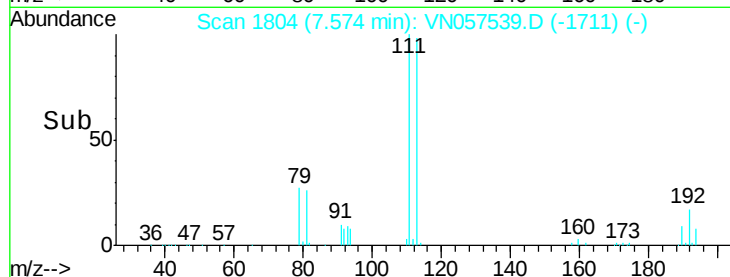
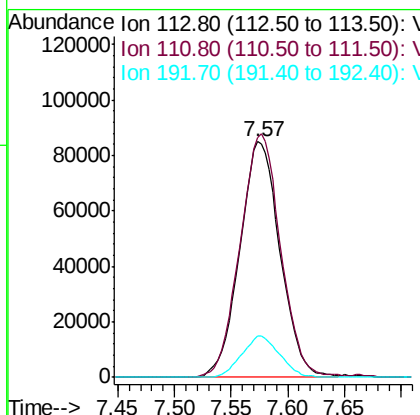
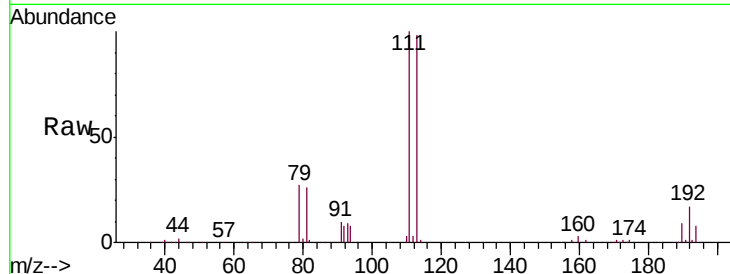




#35
 Dibromofluoromethane
 Concen: 47.047 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057539.D
 Acq: 27 Aug 2019 3:34

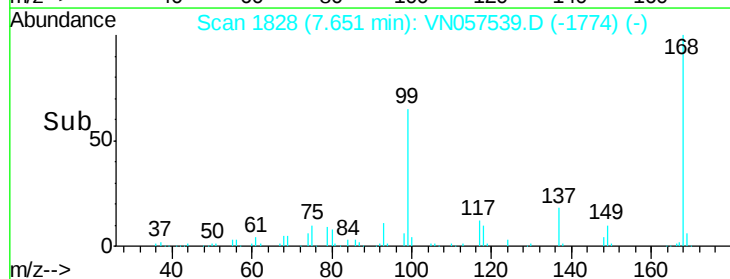
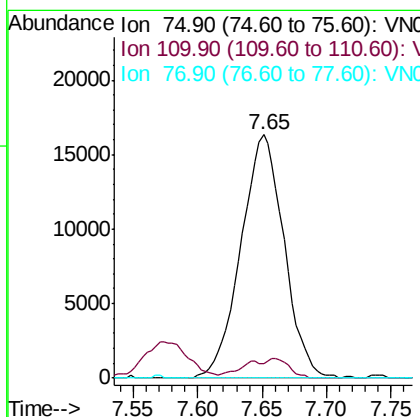
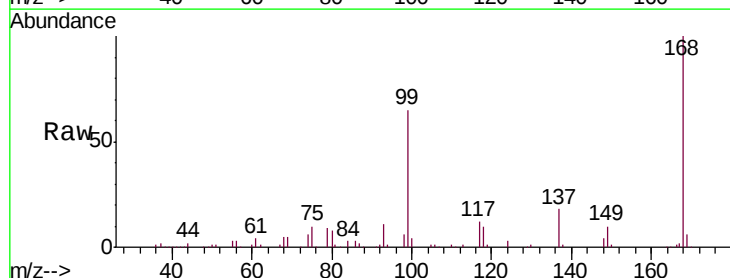
Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-G4-(1.9)

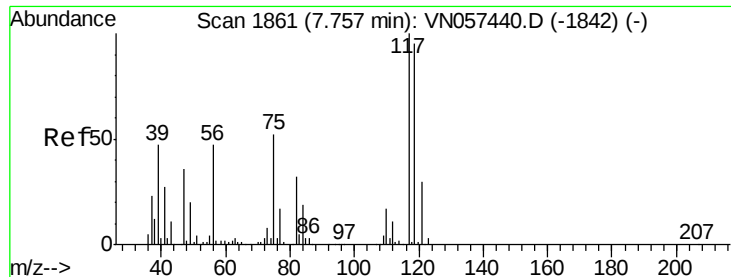
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	210212		
111	104.1	83.8	125.6	
192	16.6	13.5	20.3	



#36
 1,1-Dichloropropene
 Concen: 5.623 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057539.D
 Acq: 27 Aug 2019 3:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38010		
110	4.1	16.1	48.3#	
77	0.0	24.8	37.2#	





#38

Carbon Tetrachloride

Concen: 6.267 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-G4-(1.9)

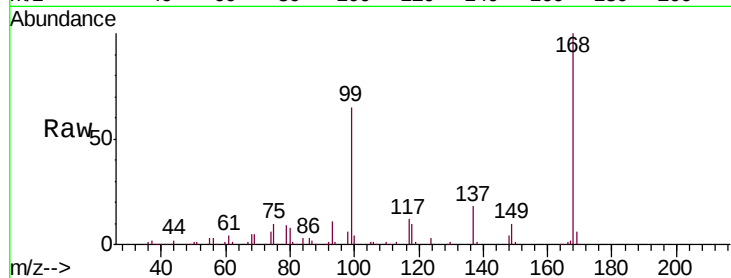
Tgt Ion:117 Resp: 42083

Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.4#

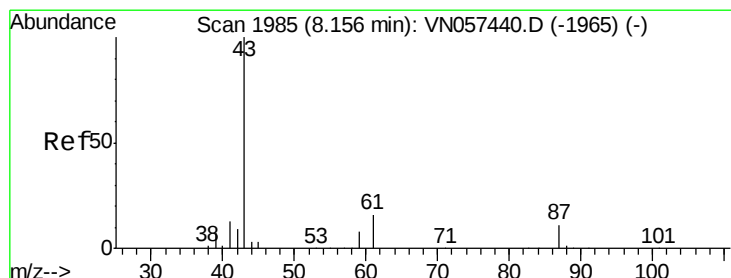
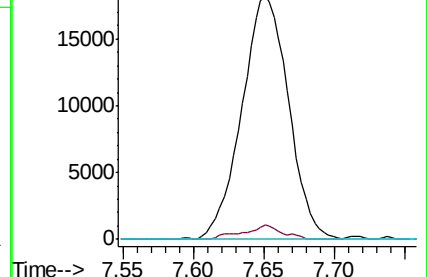
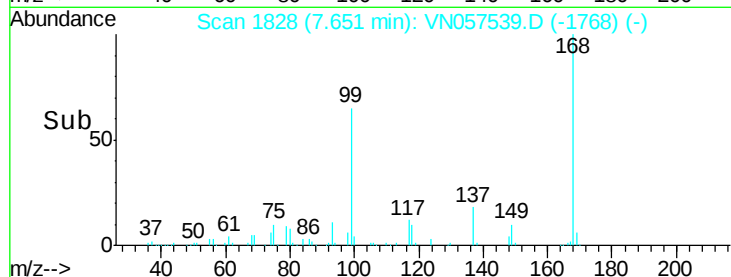
121 0.0 23.8 35.6#



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: 4.953 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

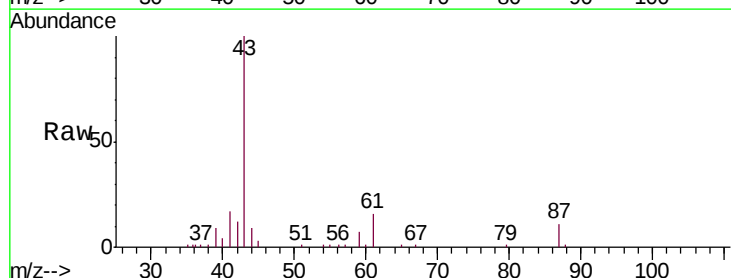
Tgt Ion: 43 Resp: 60660

Ion Ratio Lower Upper

43 100

61 17.8 14.5 21.7

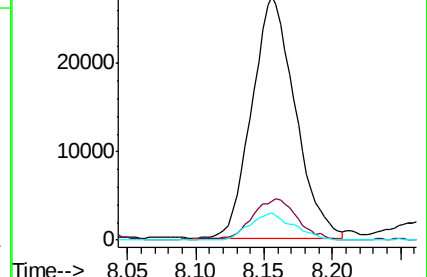
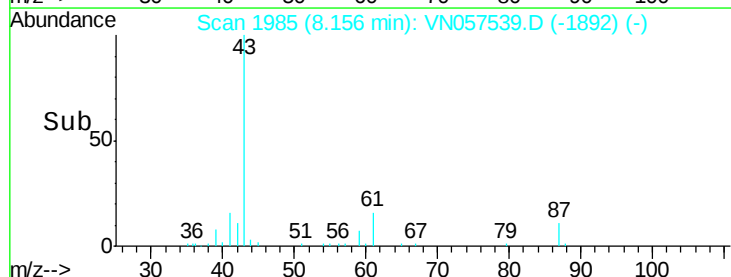
87 11.2 8.6 12.8

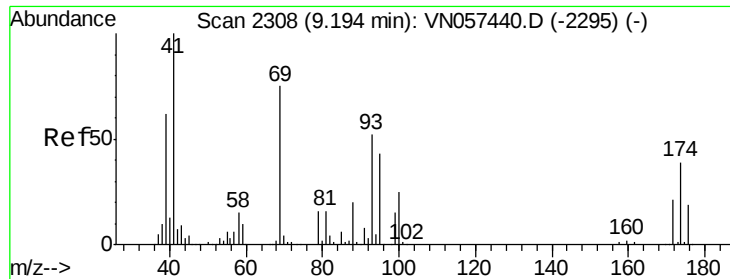


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

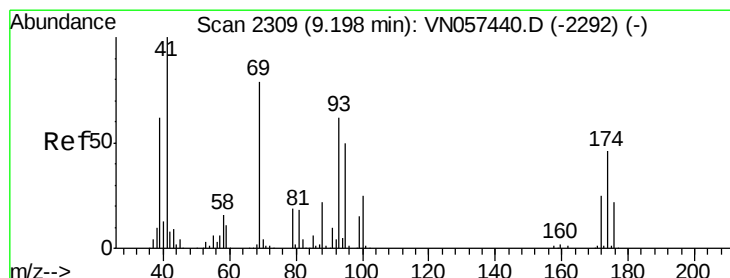
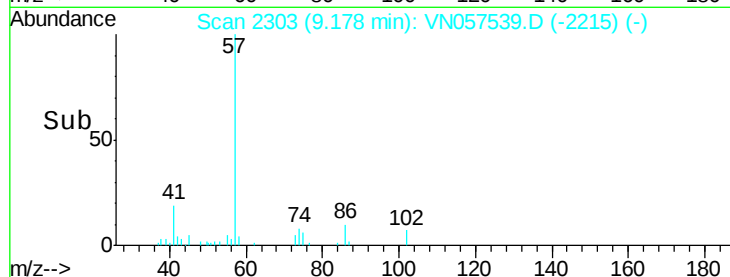
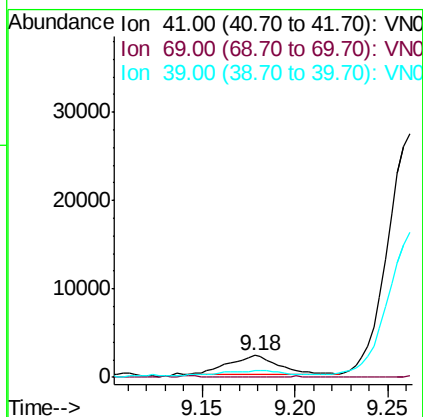
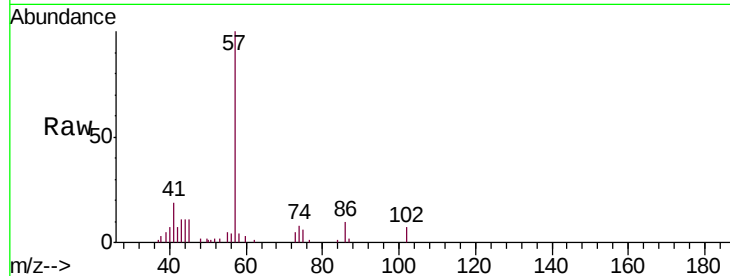




#48
Methyl methacrylate
Concen: 0.665 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN057539.D
Acq: 27 Aug 2019 3:34

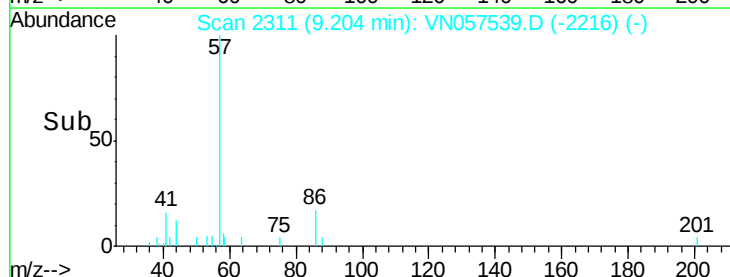
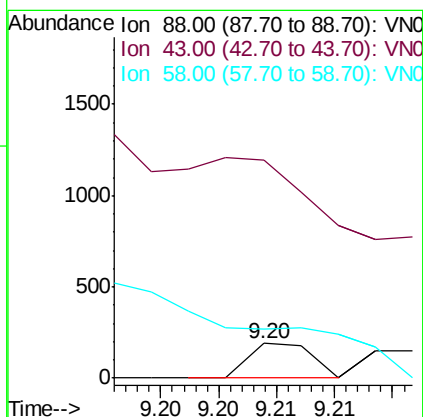
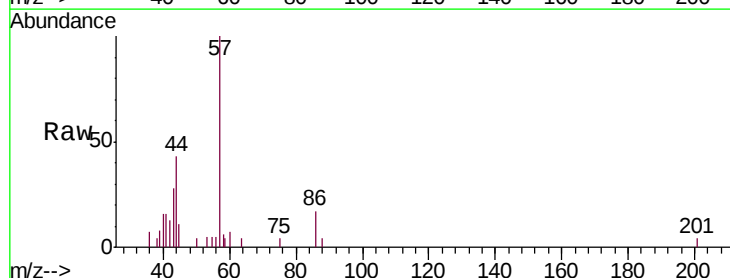
Instrument :
MSVOA_N
ClientSampleId :
T9-12-13-G4-(1.9)

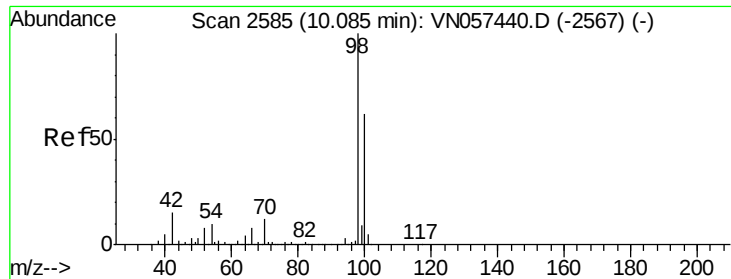
Tgt Ion: 41 Resp: 3873
Ion Ratio Lower Upper
41 100
69 0.0 59.3 88.9#
39 32.5 50.6 75.8#



#49
1,4-Dioxane
Concen: 0.943 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN057539.D
Acq: 27 Aug 2019 3:34

Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.6#
58 0.0 64.5 96.7#





#50

Toluene-d8

Concen: 48.817 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

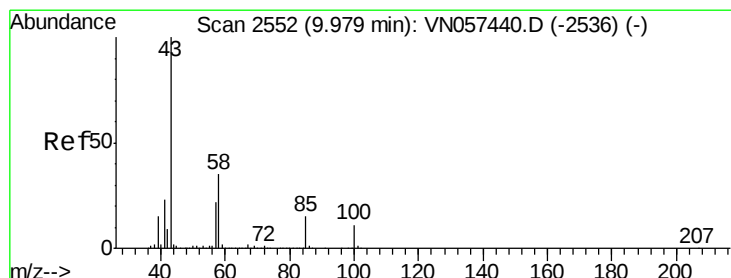
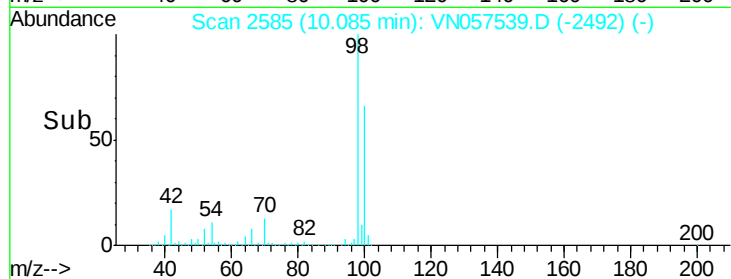
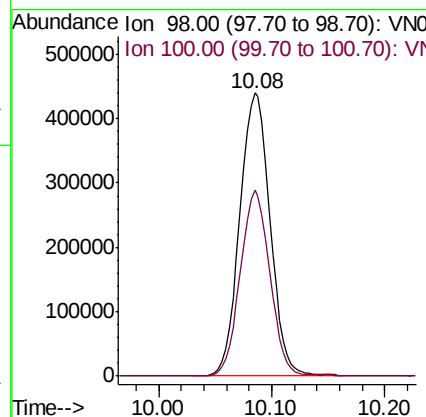
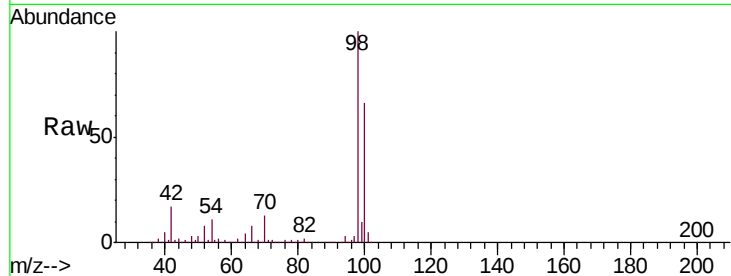
T9-12-13-G4-(1.9)

Tgt Ion: 98 Resp: 824762

Ion Ratio Lower Upper

98 100

100 64.0 50.4 75.6



#51

4-Methyl-2-Pentanone

Concen: 1.040 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057539.D

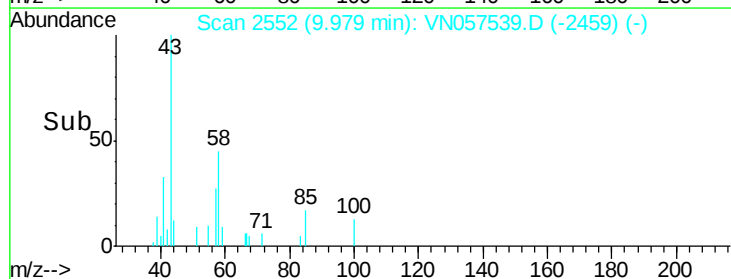
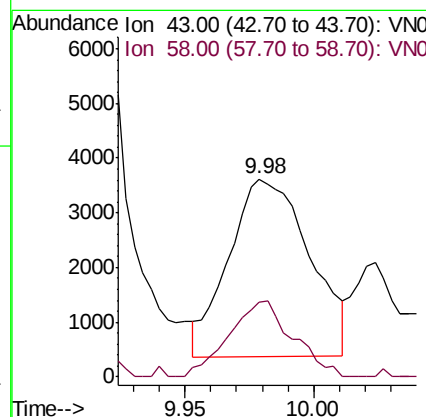
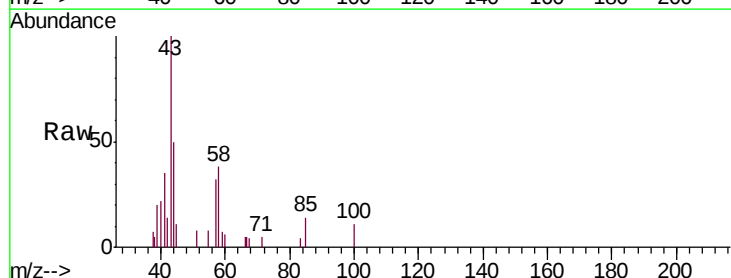
Acq: 27 Aug 2019 3:34

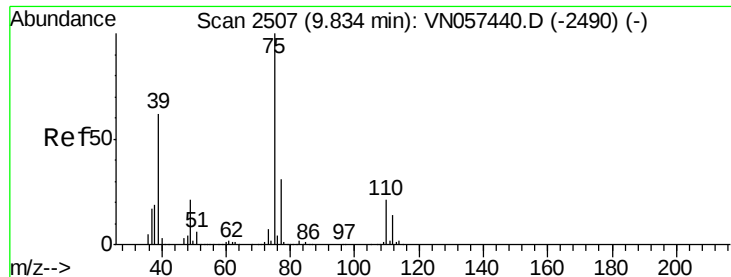
Tgt Ion: 43 Resp: 7100

Ion Ratio Lower Upper

43 100

58 33.7 27.9 41.9





#54

cis-1,3-Dichloropropene

Concen: 2.981 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-G4-(1.9)

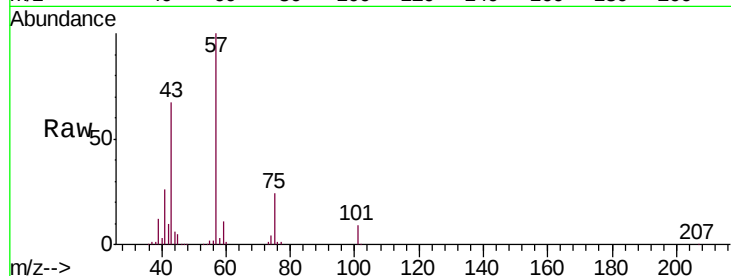
Tgt Ion: 75 Resp: 26207

Ion Ratio Lower Upper

75 100

77 2.3 25.0 37.6#

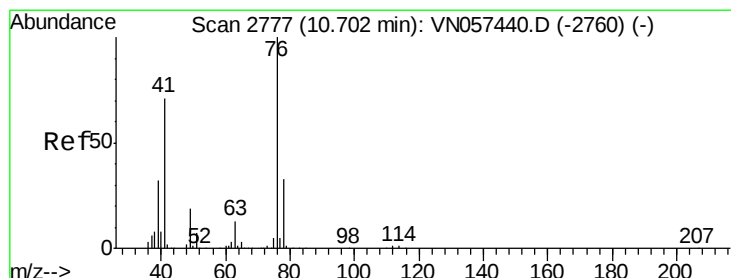
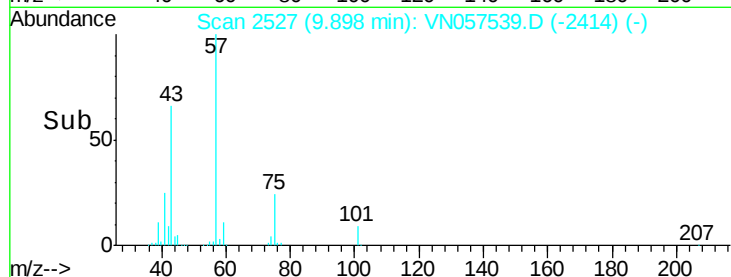
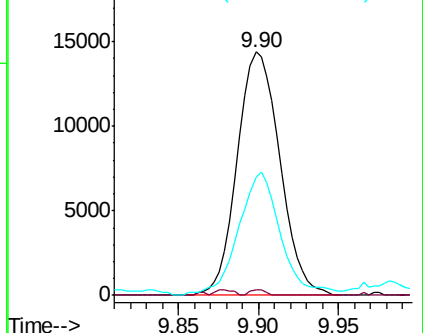
39 47.6 49.2 73.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.227 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN057539.D

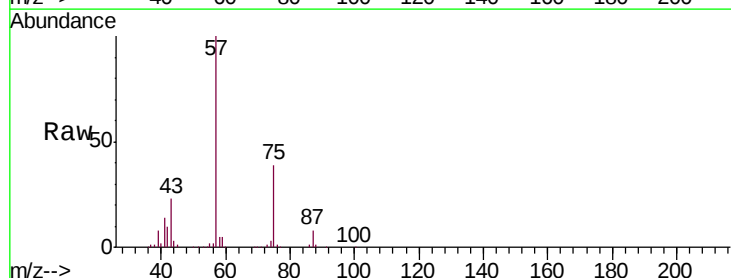
Acq: 27 Aug 2019 3:34

Tgt Ion: 76 Resp: 1869

Ion Ratio Lower Upper

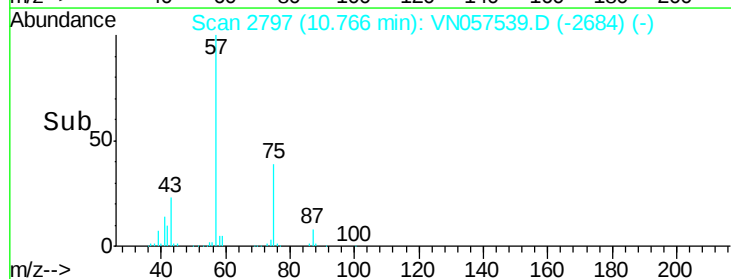
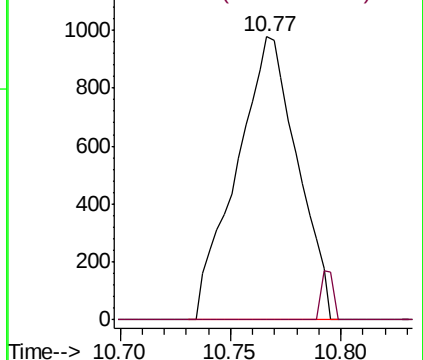
76 100

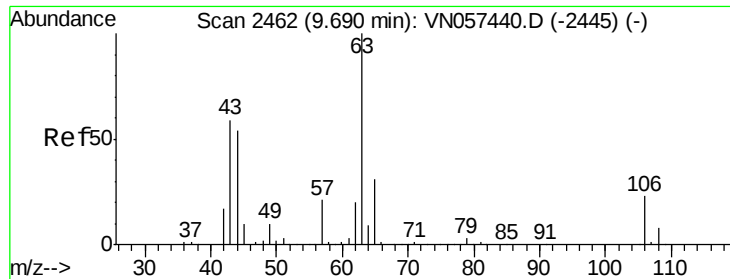
78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

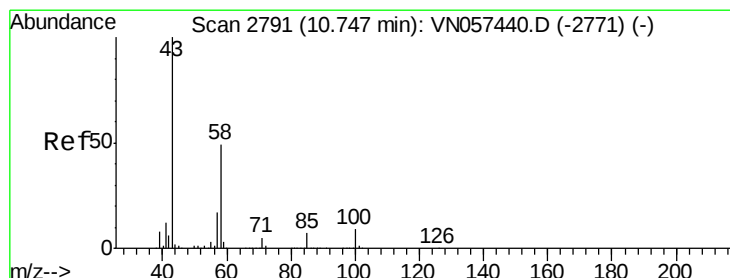
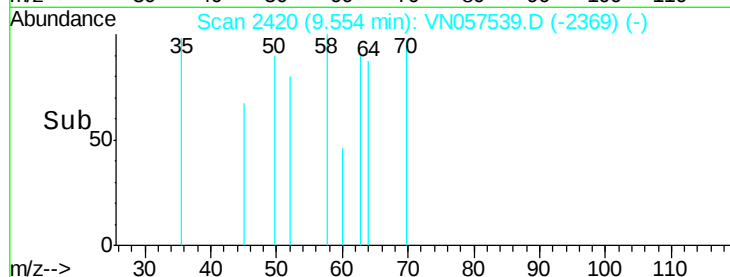
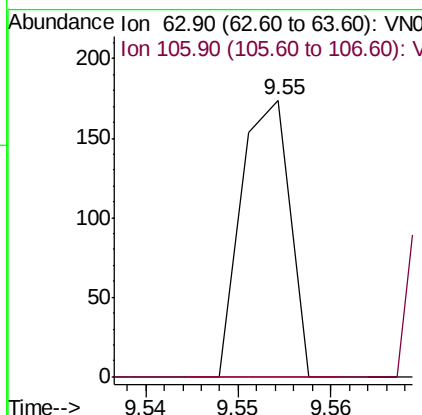
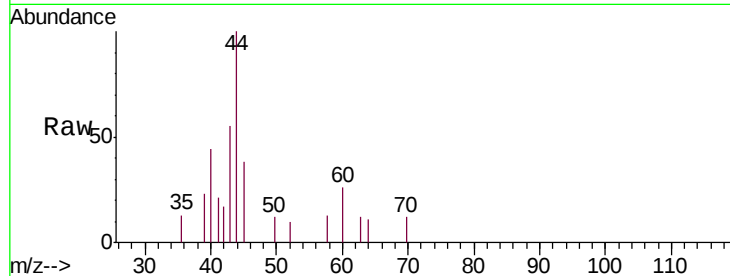




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.093 ug/l
 RT: 9.55 min Scan# 2420
 Delta R.T. -0.13 min
 Lab File: VN057539.D
 Acq: 27 Aug 2019 3:34

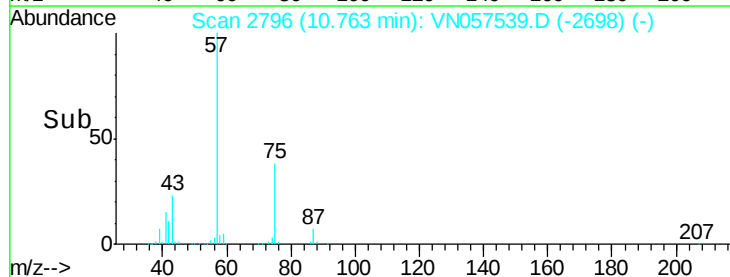
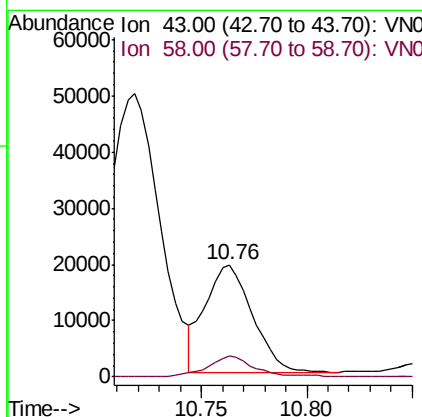
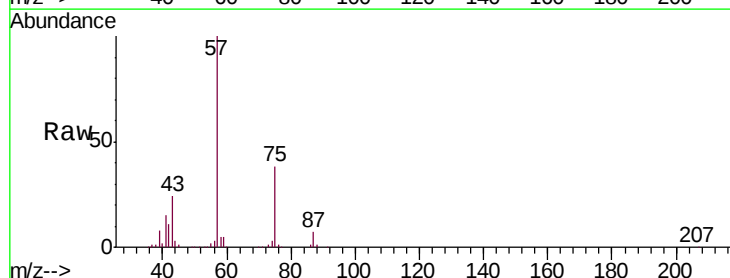
Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-G4-(1.9)

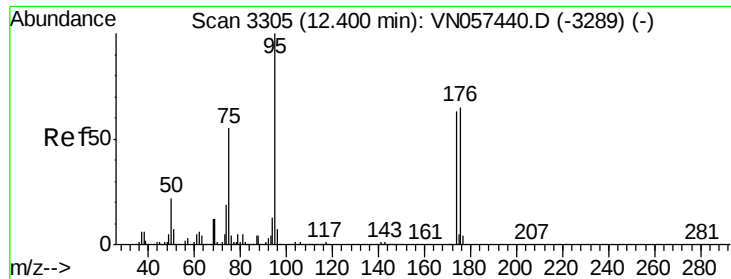
Tgt Ion: 63 Resp: 63
 Ion Ratio Lower Upper
 63 100
 106 104.8 18.6 27.8#



#59
 2-Hexanone
 Concen: 6.370 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.02 min
 Lab File: VN057539.D
 Acq: 27 Aug 2019 3:34

Tgt Ion: 43 Resp: 29818
 Ion Ratio Lower Upper
 43 100
 58 19.1 24.6 73.6#





#62

4-Bromofluorobenzene

Concen: 39.543 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-G4-(1.9)

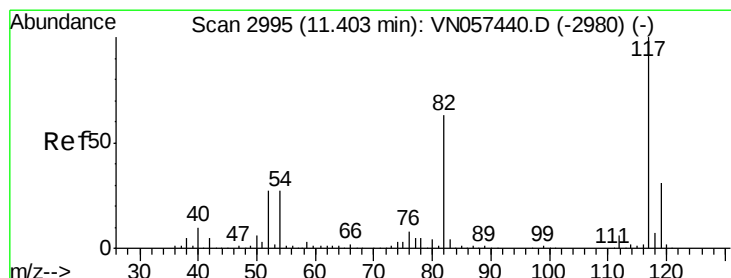
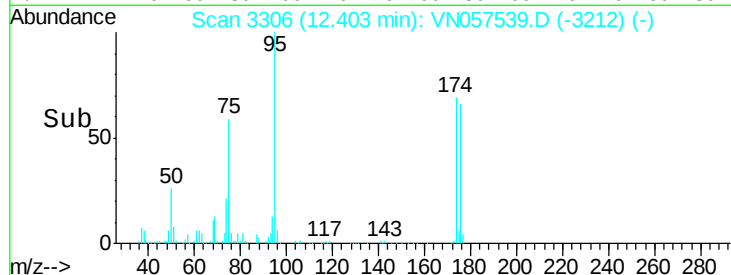
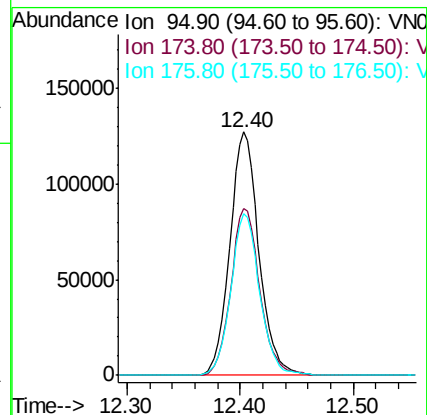
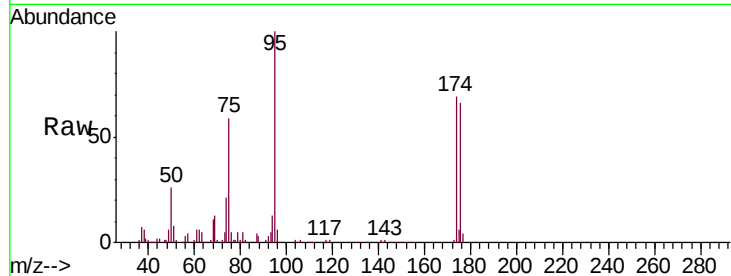
Tgt Ion: 95 Resp: 226400

Ion Ratio Lower Upper

95 100

174 68.8 0.0 133.0

176 65.9 0.0 130.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

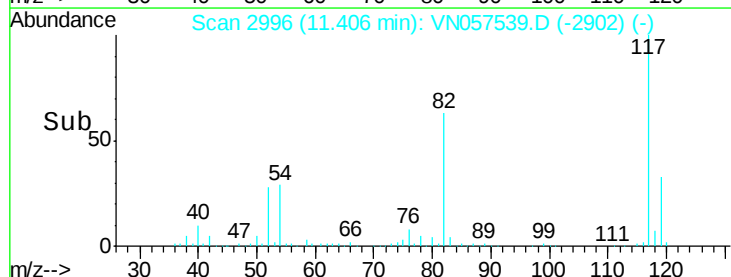
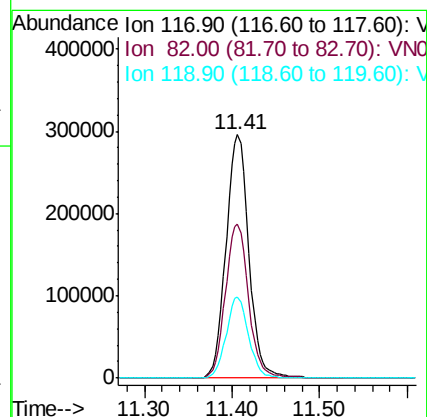
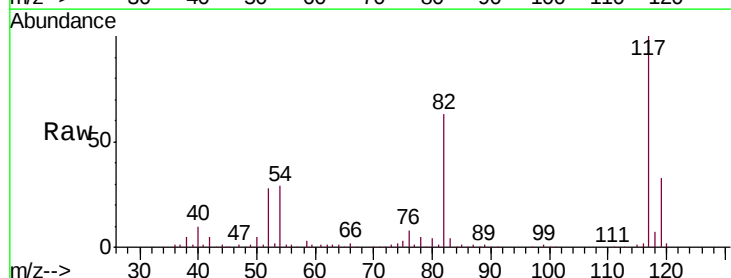
Tgt Ion: 117 Resp: 538264

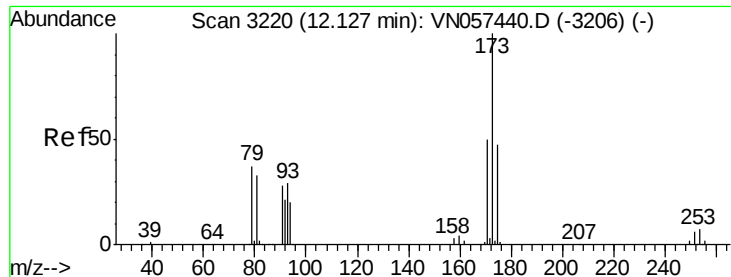
Ion Ratio Lower Upper

117 100

82 63.1 50.6 75.8

119 33.3 24.6 36.8

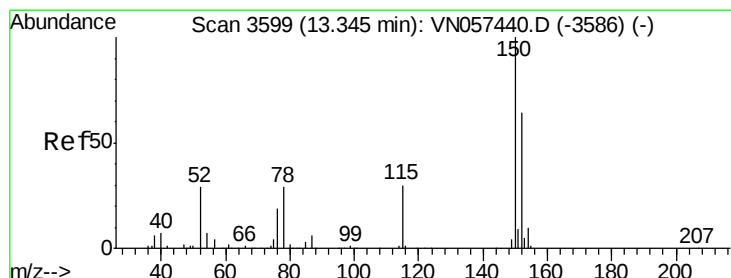
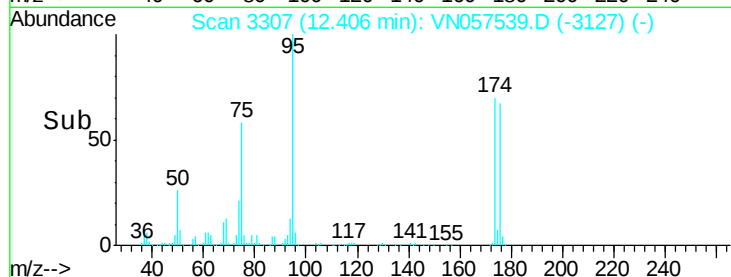
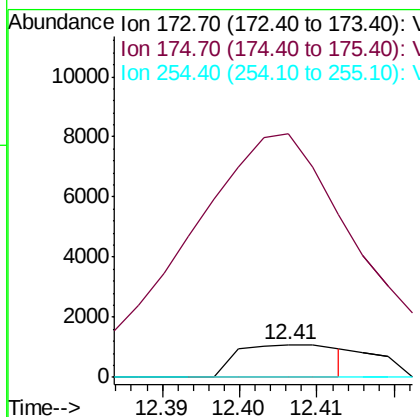
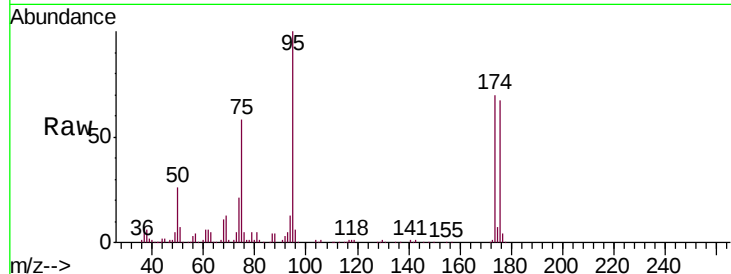




#71
Bromoform
Concen: 0.347 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN057539.D
Acq: 27 Aug 2019 3:34

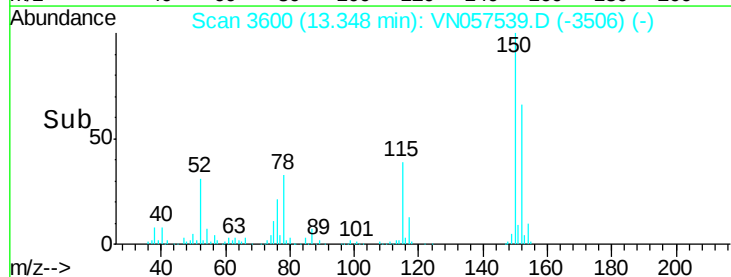
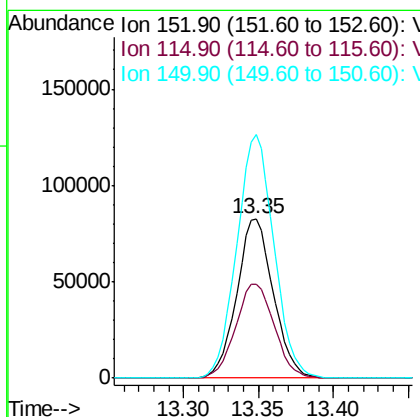
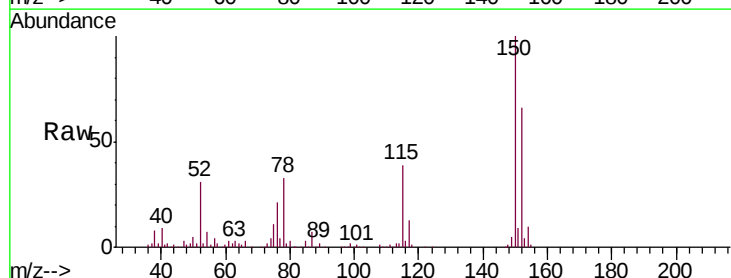
Instrument :
MSVOA_N
ClientSampleId :
T9-12-13-G4-(1.9)

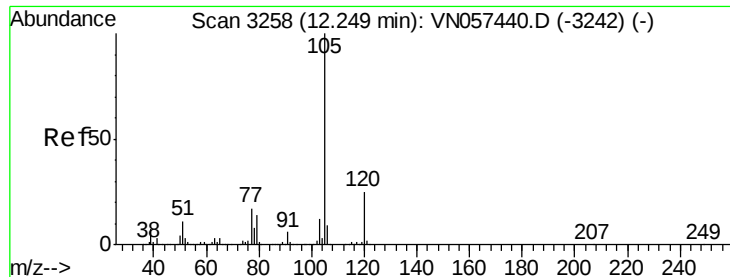
Tgt Ion:173 Resp: 978
Ion Ratio Lower Upper
173 100
175 1086.9 23.9 71.8#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057539.D
Acq: 27 Aug 2019 3:34

Tgt Ion:152 Resp: 140606
Ion Ratio Lower Upper
152 100
115 62.5 32.0 96.0
150 155.0 0.0 346.6





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. 0.16 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

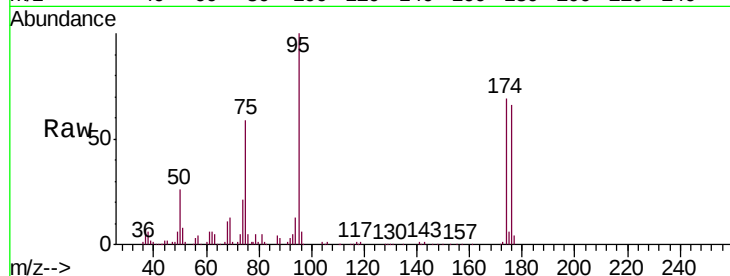
T9-12-13-G4-(1.9)

Tgt Ion: 105 Resp: 298

Ion Ratio Lower Upper

105 100

120 0.0 12.7 38.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.40

250

200

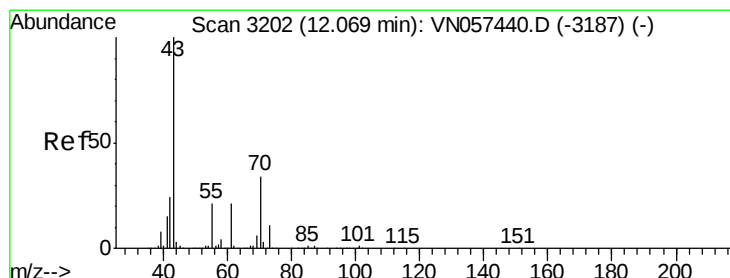
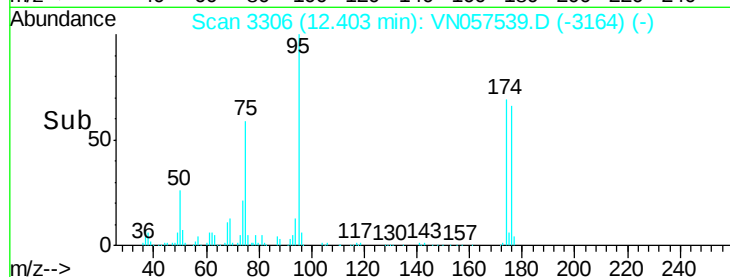
150

100

50

0

Time-->



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

Tgt Ion: 43 Resp: 997

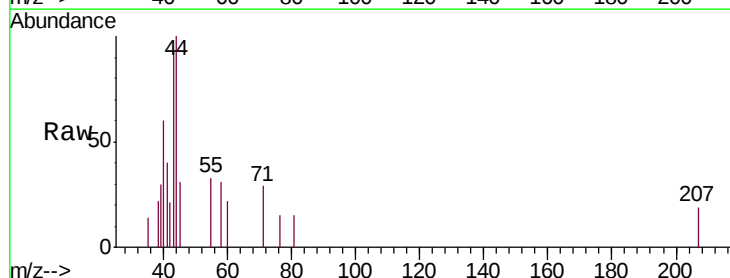
Ion Ratio Lower Upper

43 100

70 0.0 27.8 41.6#

55 23.8 17.0 25.4

61 0.0 17.0 25.6#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

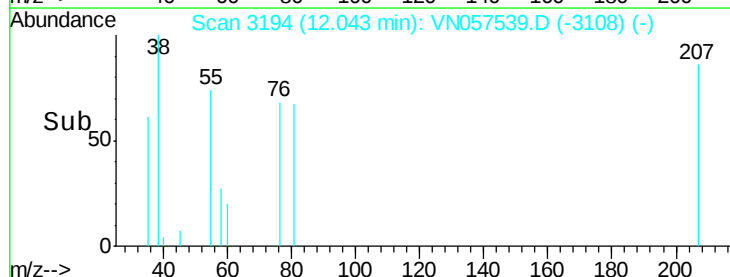
1500

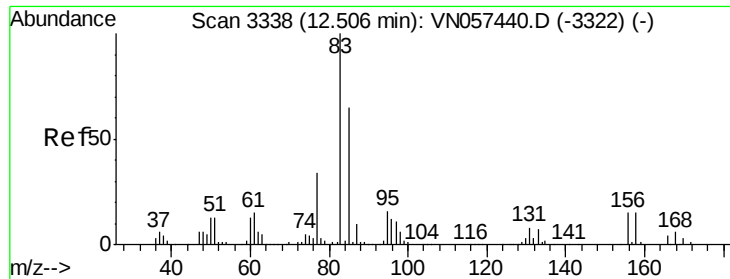
1000

500

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.52 min Scan# 3342

Delta R.T. 0.01 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

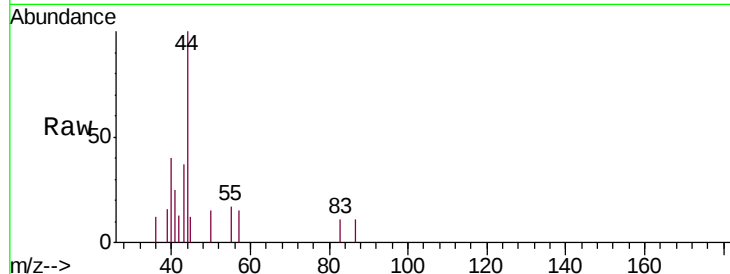
Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-G4-(1.9)

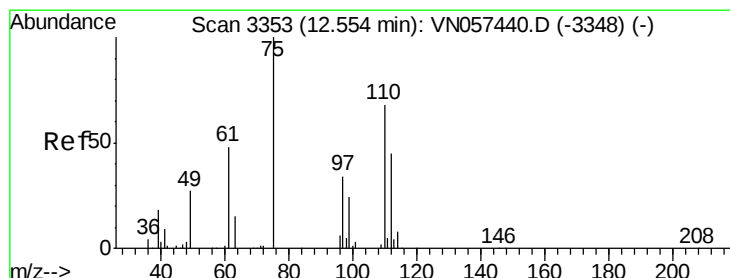
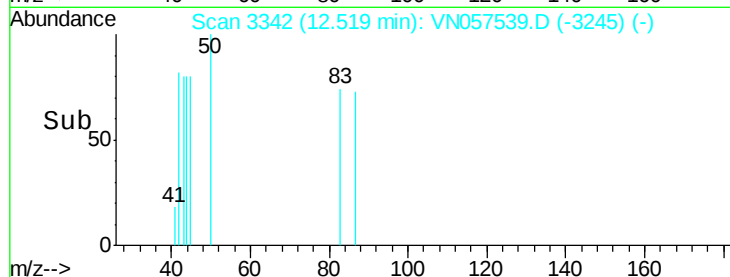
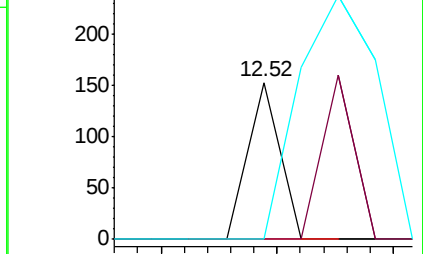
Tgt Ion:	83	Resp:	29
Ion	Ratio	Lower	Upper
83	100		
131	106.9	4.3	13.1#
85	386.2	32.3	96.8#



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: 42.228 ug/l

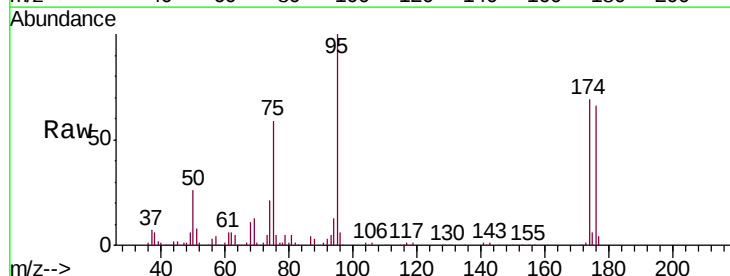
RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057539.D

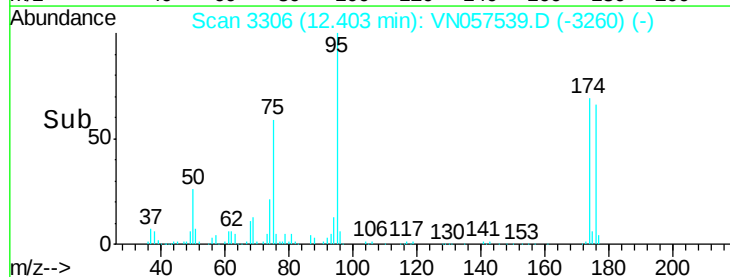
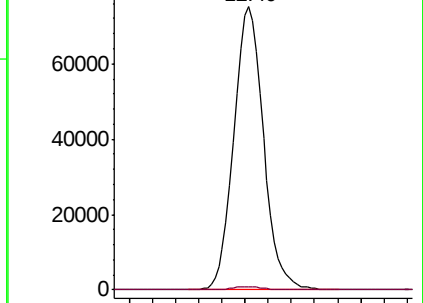
Acq: 27 Aug 2019 3:34

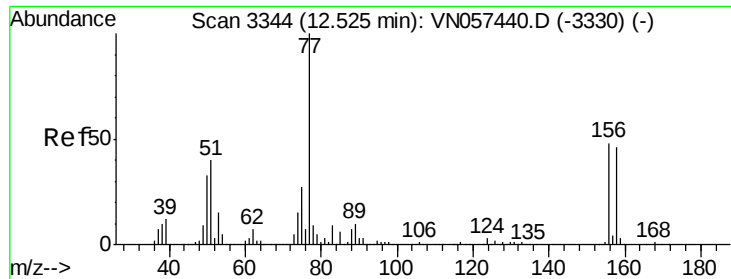
Tgt Ion:	75	Resp:	133231
Ion	Ratio	Lower	Upper
75	100		
77	0.5	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

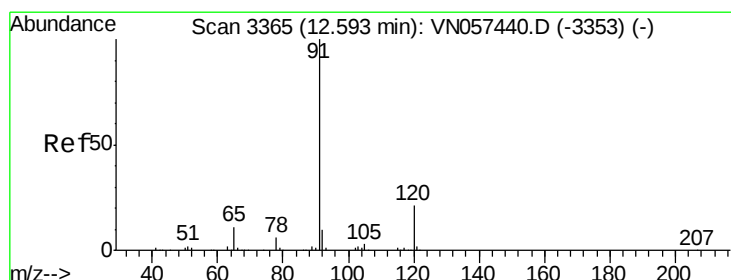
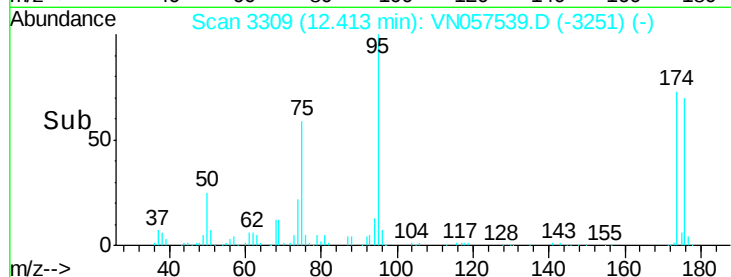
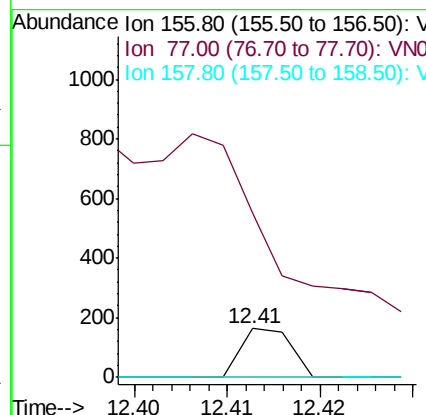
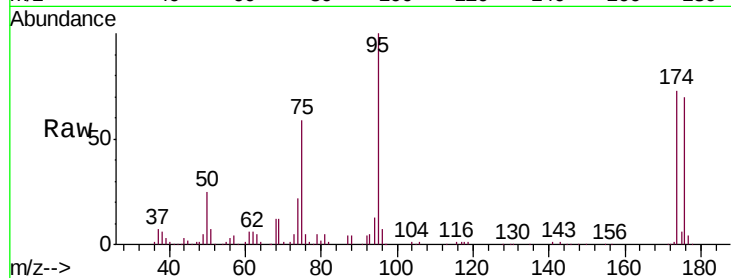




#77
Bromobenzene
Concen: Below Cal
RT: 12.41 min Scan# 3309
Delta R.T. -0.11 min
Lab File: VN057539.D
Acq: 27 Aug 2019 3:34

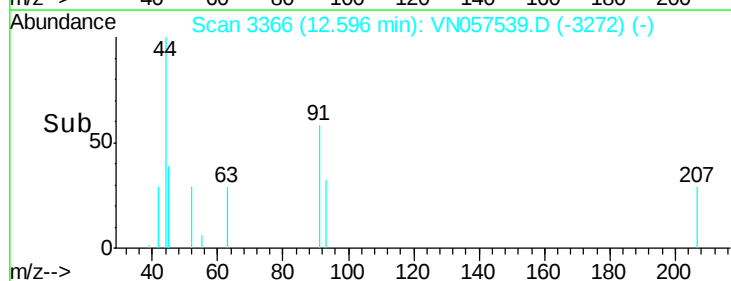
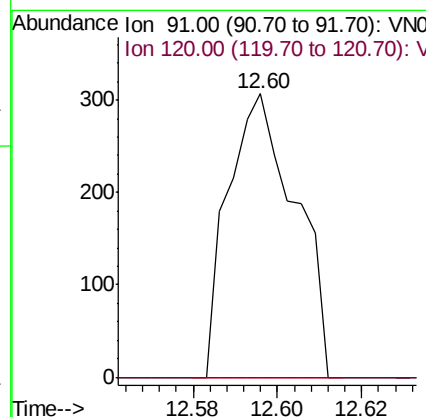
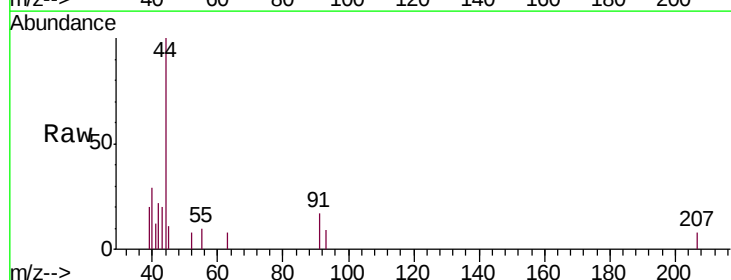
Instrument :
MSVOA_N
ClientSampleId :
T9-12-13-G4-(1.9)

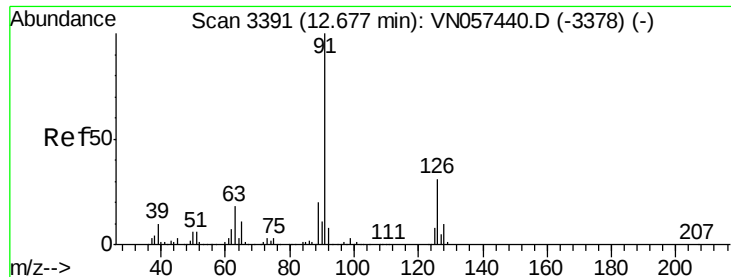
Tgt Ion:156 Resp: 61
Ion Ratio Lower Upper
156 100
77 1049.2 124.4 373.3#
158 0.0 48.3 144.8#



#78
n-propylbenzene
Concen: Below Cal
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN057539.D
Acq: 27 Aug 2019 3:34

Tgt Ion: 91 Resp: 338
Ion Ratio Lower Upper
91 100
120 0.0 10.7 32.1#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3389

Delta R.T. -0.01 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

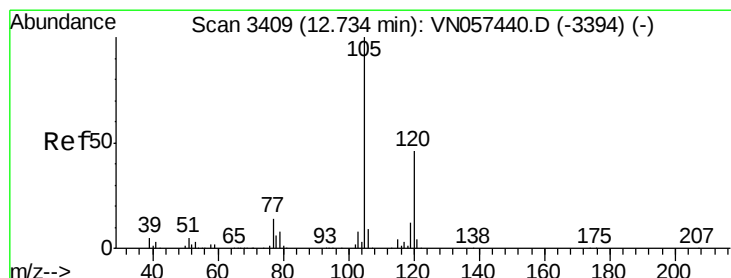
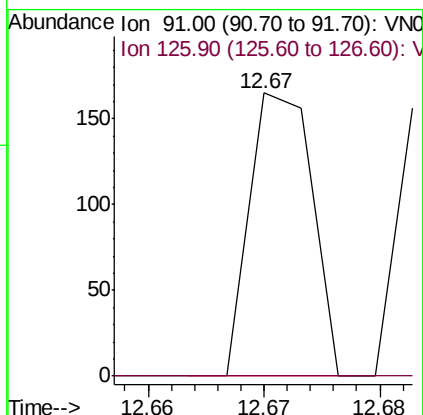
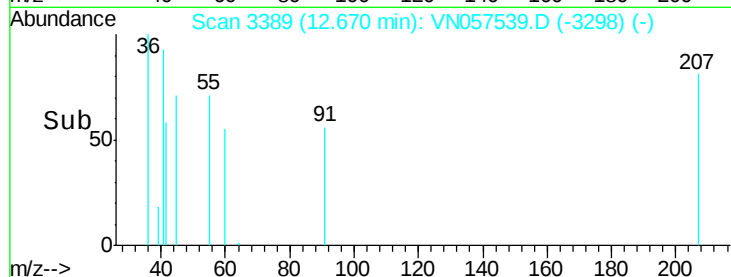
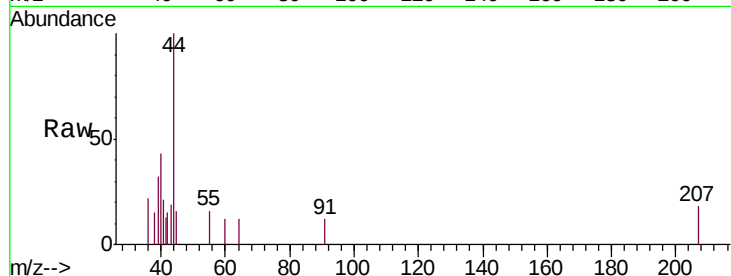
T9-12-13-G4-(1.9)

Tgt Ion: 91 Resp: 62

Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.8#



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057539.D

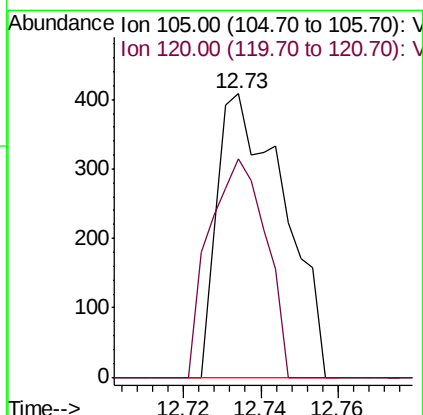
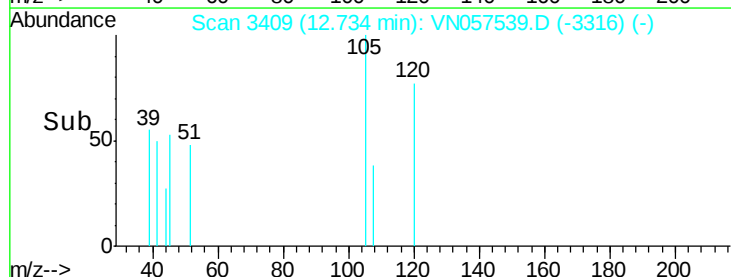
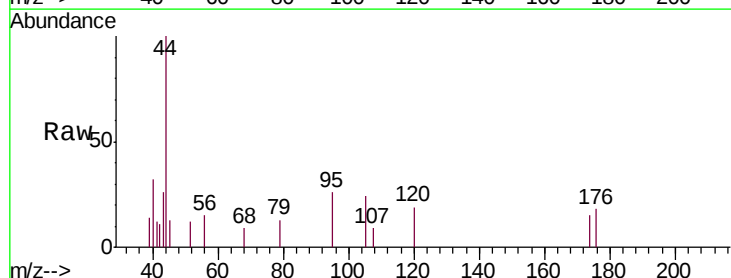
Acq: 27 Aug 2019 3:34

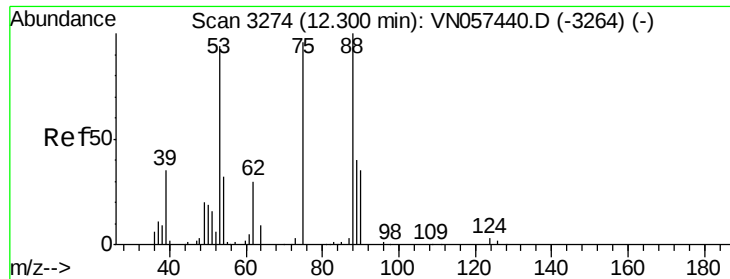
Tgt Ion: 105 Resp: 490

Ion Ratio Lower Upper

105 100

120 64.9 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 108.648 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057539.D

Acq: 27 Aug 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-G4-(1.9)

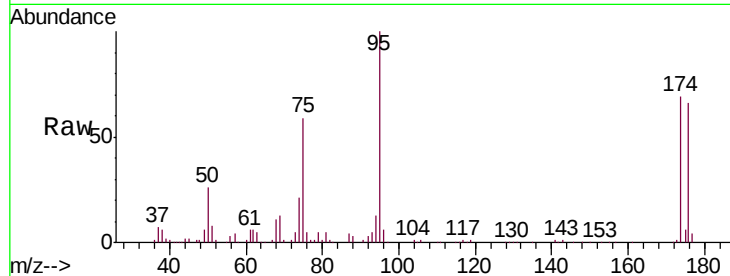
Tgt Ion: 75 Resp: 133231

Ion Ratio Lower Upper

75 100

53 0.0 82.7 124.1#

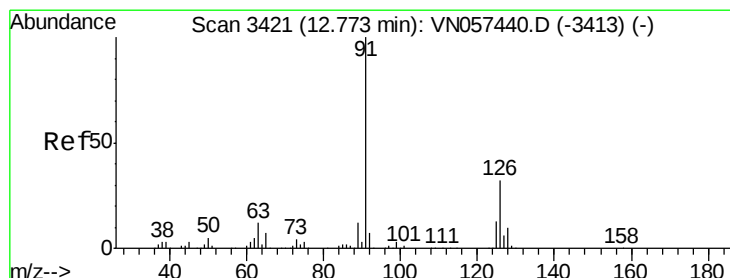
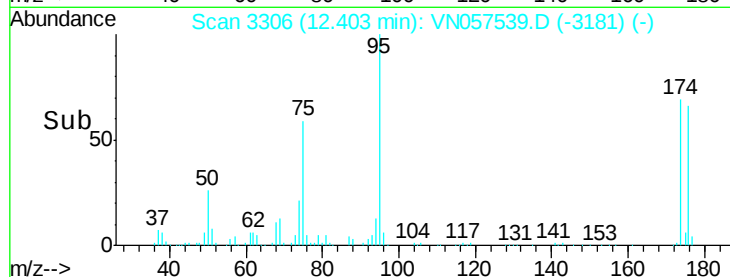
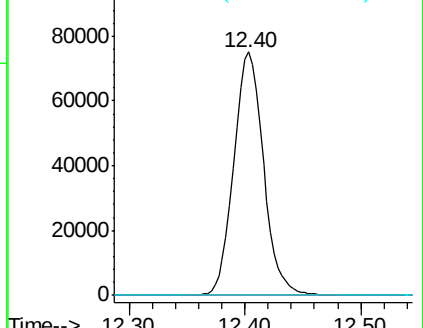
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.74 min Scan# 3411

Delta R.T. -0.03 min

Lab File: VN057539.D

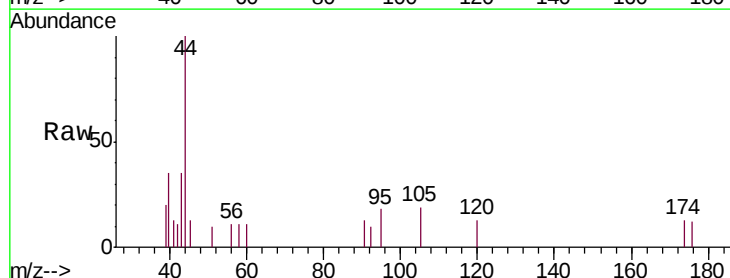
Acq: 27 Aug 2019 3:34

Tgt Ion: 91 Resp: 84

Ion Ratio Lower Upper

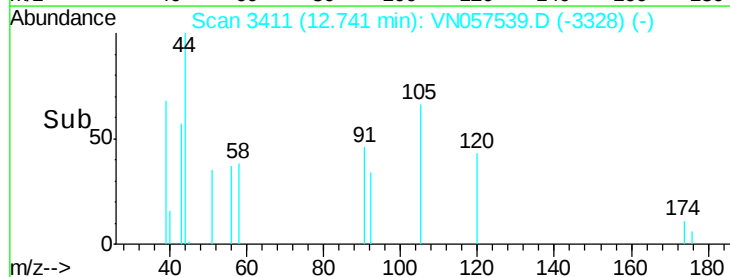
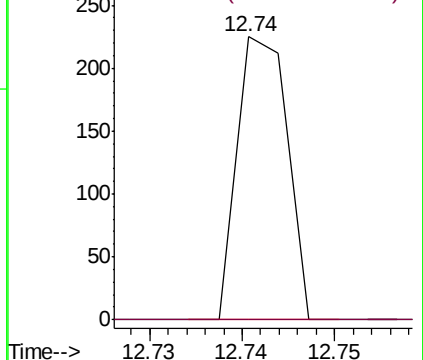
91 100

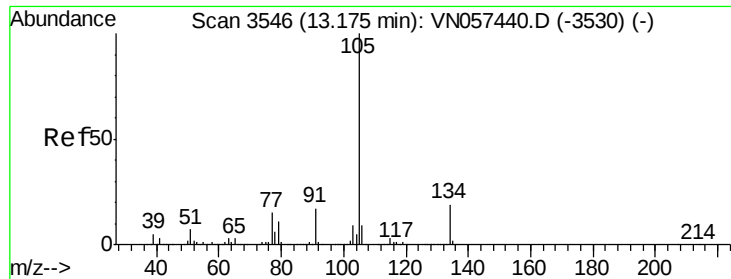
126 0.0 15.0 45.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

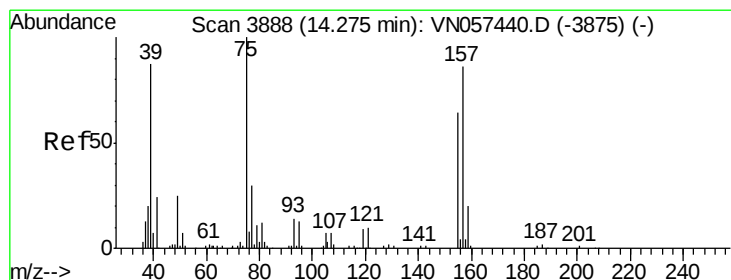
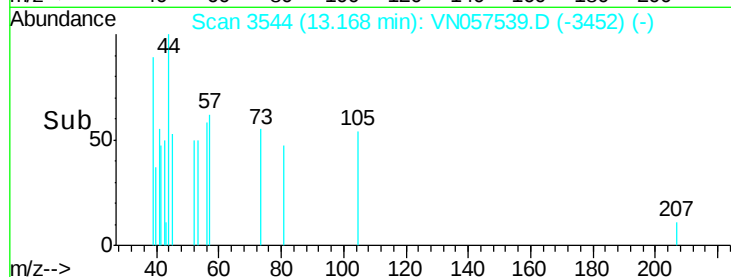
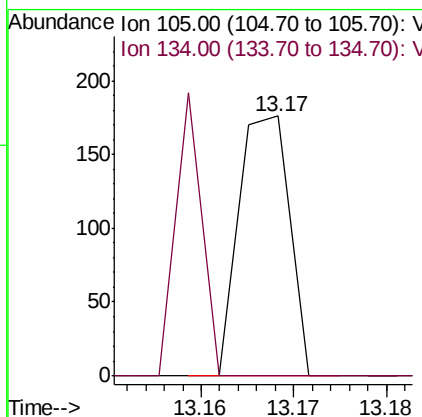
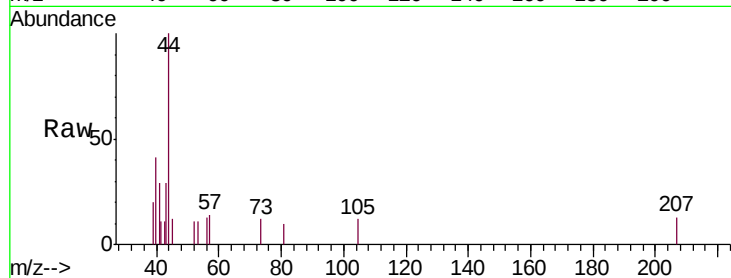




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.01 min
 Lab File: VN057539.D
 Acq: 27 Aug 2019 3:34

Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-G4-(1.9)

Tgt Ion: 105 Resp: 67
 Ion Ratio Lower Upper
 105 100
 134 55.2 9.3 27.9#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.39 min Scan# 3925
 Delta R.T. 0.12 min
 Lab File: VN057539.D
 Acq: 27 Aug 2019 3:34

Tgt Ion: 75 Resp: 34
 Ion Ratio Lower Upper
 75 100
 155 0.0 31.6 94.7#
 157 0.0 43.3 129.8#

