

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\
 Data File : VN056402.D
 Acq On : 20 Jun 2019 15:02
 Operator : JC/SP
 Sample : K3455-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

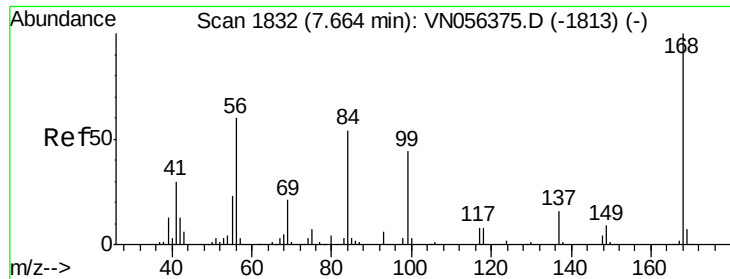
Quant Time: Jun 21 04:27:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	407152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	682482	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	669452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	199095	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	224596	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
35) Dibromofluoromethane	7.59	113	193161	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	
50) Toluene-d8	10.09	98	848754	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.40	95	271985	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	16158	7.147	ug/l	94
18) Methyl Acetate	4.33	43	7334	0.802	ug/l #	86
20) Methylene Chloride	4.55	84	50664	11.197	ug/l	98
25) 2-Butanone	6.85	43	1473	0.492	ug/l	91
29) Tetrahydrofuran	7.23	42	1269	0.694	ug/l #	54
31) Cyclohexane	7.66	56	6175	0.886	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	26301	4.378	ug/l #	49
38) Carbon Tetrachloride	7.66	117	34677	6.601	ug/l #	14
40) Benzene	8.04	78	7476	0.405	ug/l #	90
43) Isopropyl Acetate	8.17	43	13199	1.450	ug/l #	88
45) 1,2-Dichloropropane	9.27	63	1572	0.318	ug/l #	43
48) Methyl methacrylate	9.18	41	7917	1.736	ug/l #	12
51) 4-Methyl-2-Pentanone	9.98	43	4352	0.741	ug/l	91
52) Toluene	10.16	92	2769	0.245	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	49583	7.509	ug/l #	64
57) 1,3-Dichloropropane	10.76	76	9559	1.253	ug/l #	42
59) 2-Hexanone	10.76	43	132683	30.727	ug/l #	50
60) Dibromochloromethane	10.63	129	277	2.438	ug/l #	10
71) Bromoform	12.40	173	1996	3.653	ug/l #	1
73) Isopropylbenzene	12.25	105	58	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	127057	30.777	ug/l #	100
79) 2-Chlorotoluene	12.58	91	140	Below Cal	#	40
80) 1,3,5-Trimethylbenzene	12.73	105	1840	Below Cal		86
81) trans-1,4-Dichloro-2-buten	12.40	75	127057	109.387	ug/l #	8
83) tert-Butylbenzene	12.73	119	120	Below Cal	#	28
95) Naphthalene	15.13	128	1316	5.374	ug/l #	75

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056402.D

Acq: 20 Jun 2019 15:02

Instrument :

MSVOA_N

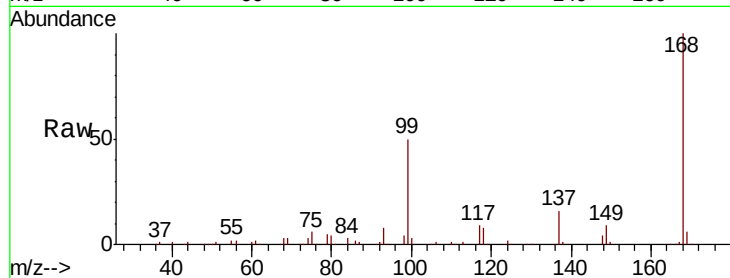
ClientSampled :

Tot Ion:168 Resp: 407152

Ion Ratio Lower Upper

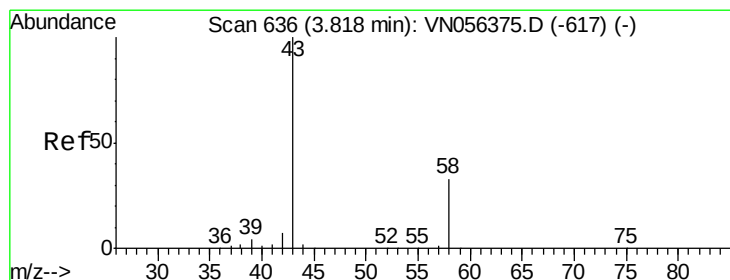
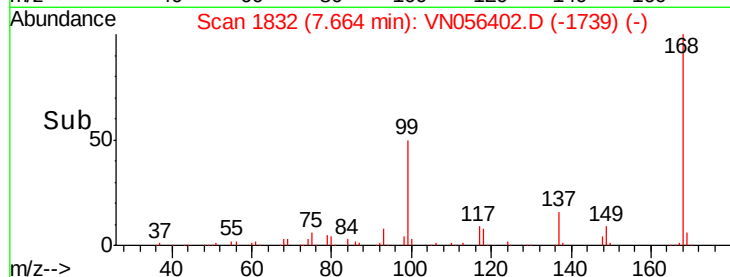
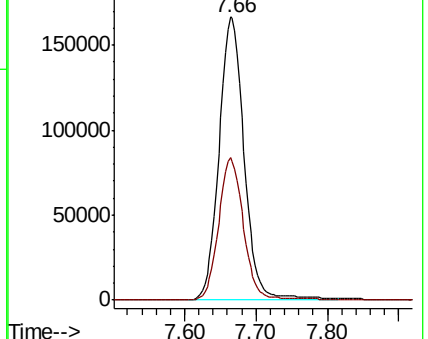
168 100

99 50.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 7.147 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056402.D

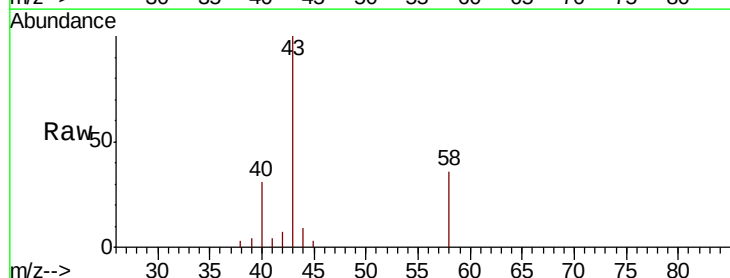
Acq: 20 Jun 2019 15:02

Tgt Ion: 43 Resp: 16158

Ion Ratio Lower Upper

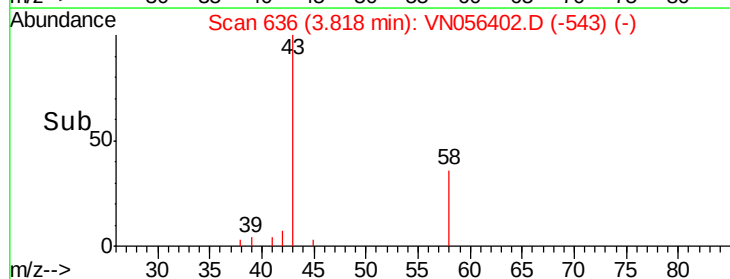
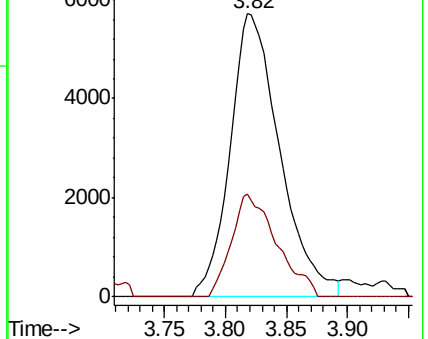
43 100

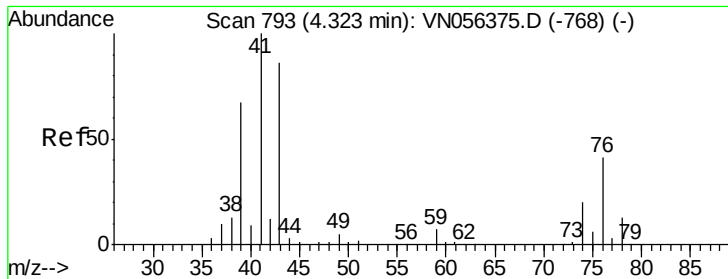
58 36.3 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

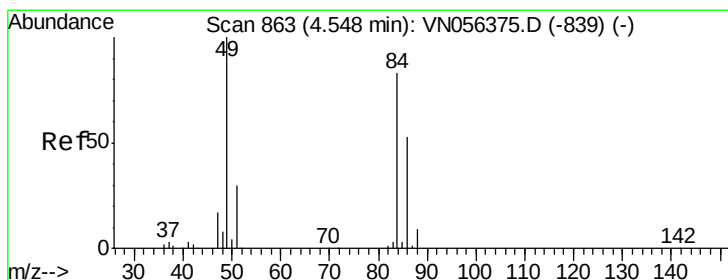
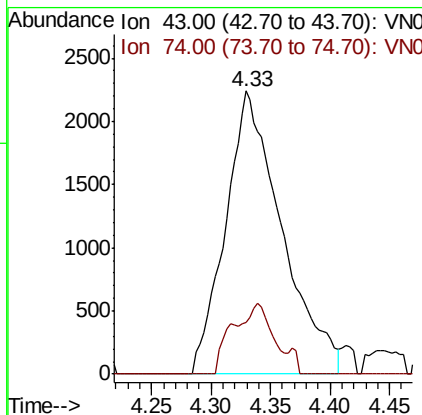
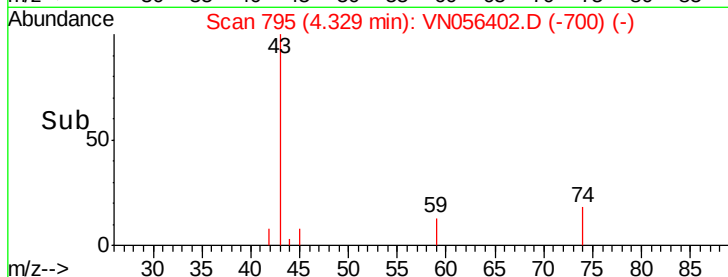
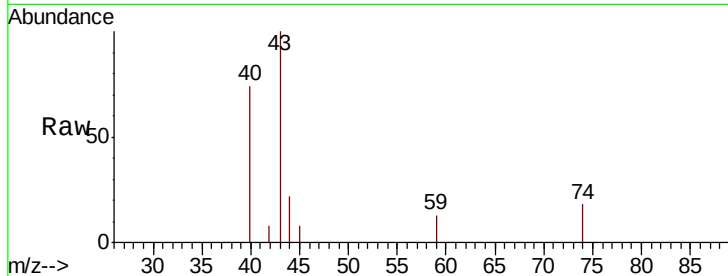




#18
Methyl Acetate
Concen: 0.802 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN056402.D
Acq: 20 Jun 2019 15:02

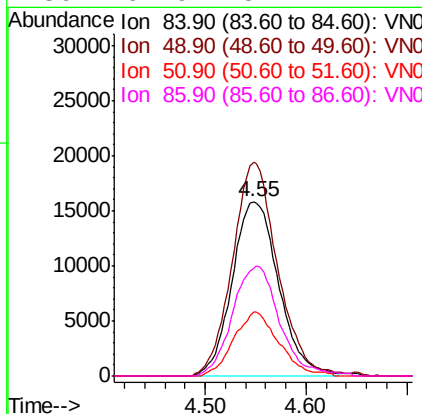
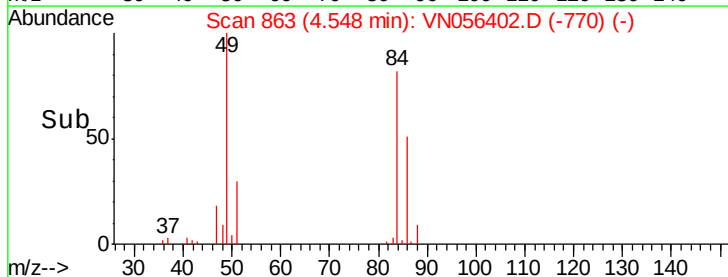
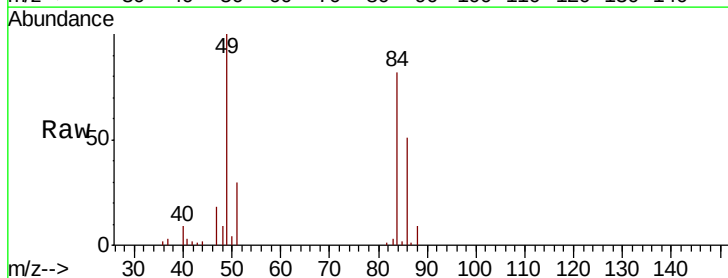
Instrument :
MSVOA_N
ClientSampled :

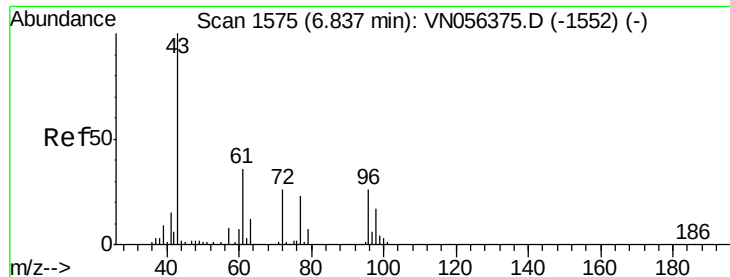
Tot Ion: 43 Resp: 7334
Ion Ratio Lower Upper
43 100
74 17.3 19.2 28.8#



#20
Methylene Chloride
Concen: 11.197 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056402.D
Acq: 20 Jun 2019 15:02

Tgt Ion: 84 Resp: 50664
Ion Ratio Lower Upper
84 100
49 122.4 96.4 144.6
51 36.6 28.6 43.0
86 61.9 51.4 77.2





#25

2-Butanone

Concen: 0.492 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN056402.D

Acq: 20 Jun 2019 15:02

Instrument :

MSVOA_N

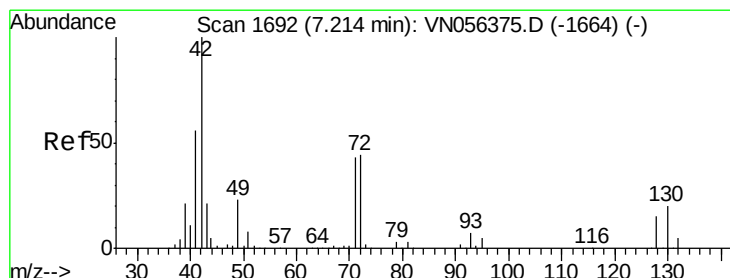
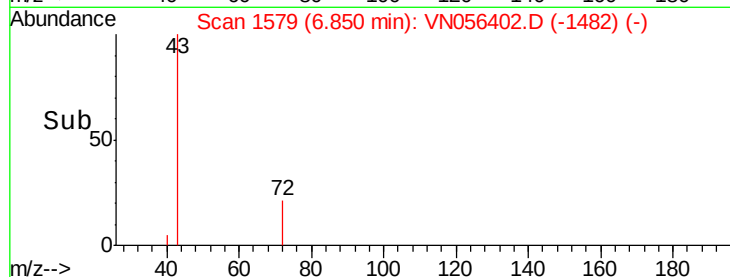
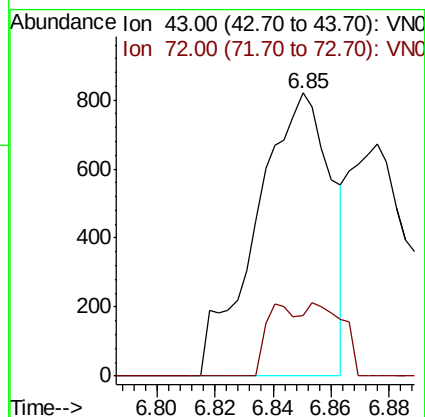
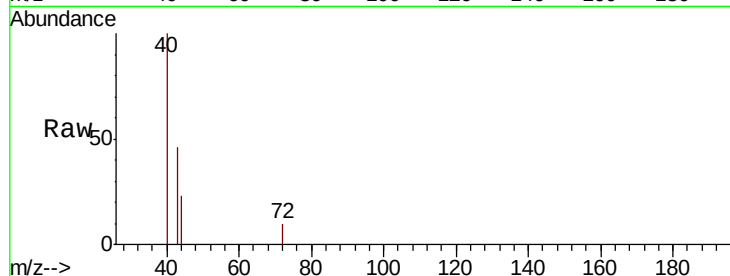
ClientSampled :

Tot Ion: 43 Resp: 1473

Ion Ratio Lower Upper

43 100

72 21.2 20.6 31.0



#29

Tetrahydrofuran

Concen: 0.694 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.02 min

Lab File: VN056402.D

Acq: 20 Jun 2019 15:02

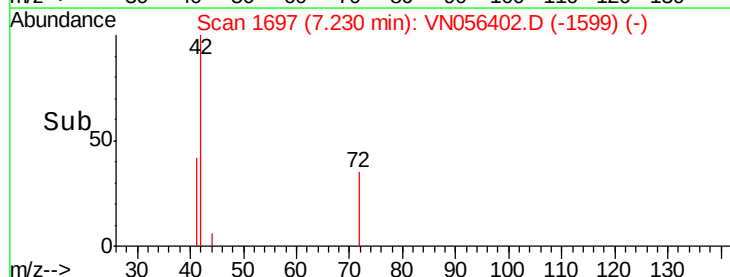
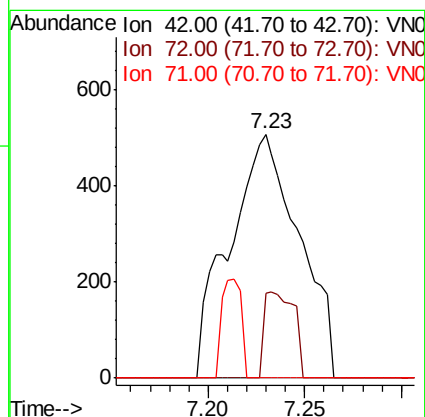
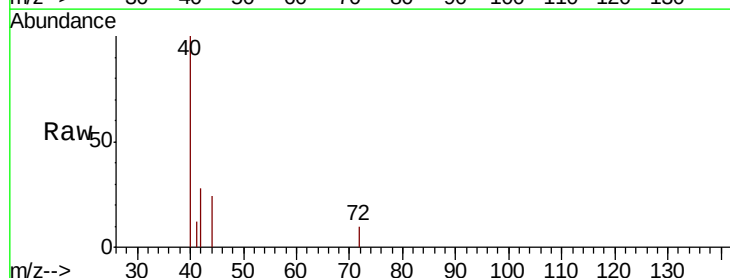
Tgt Ion: 42 Resp: 1269

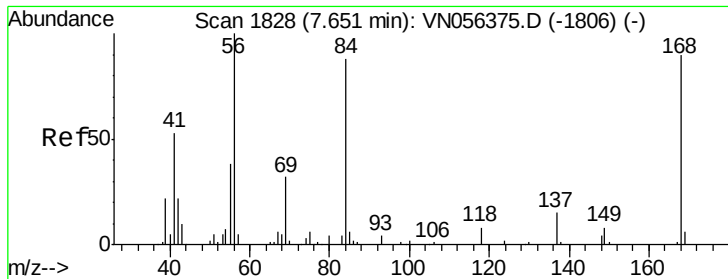
Ion Ratio Lower Upper

42 100

72 15.1 34.7 52.1#

71 11.5 33.0 49.6#

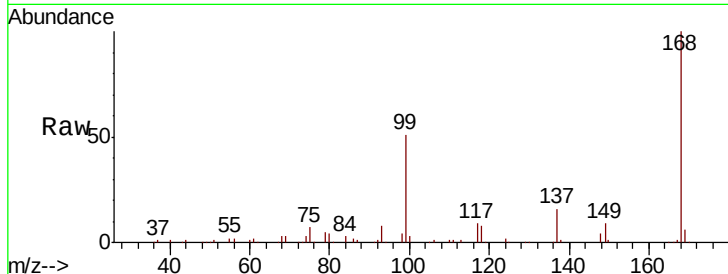




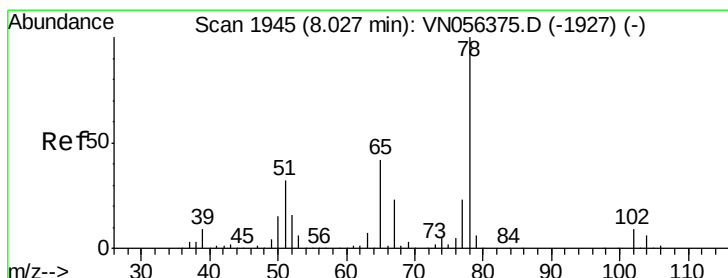
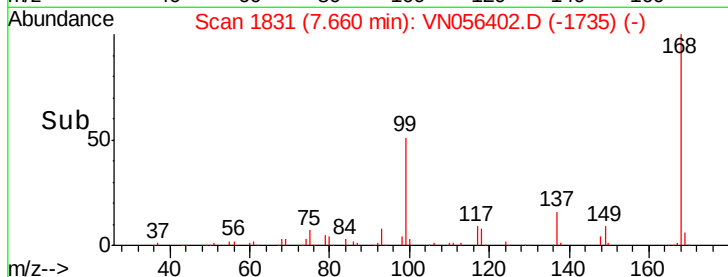
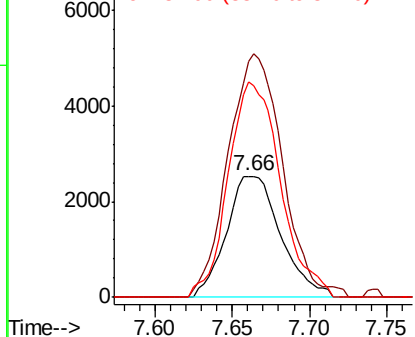
#31
Cyclohexane
Concen: 0.886 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056402.D
Acq: 20 Jun 2019 15:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 6175
Ion Ratio Lower Upper
56 100
69 194.1 25.8 38.6#
84 177.5 69.4 104.0#

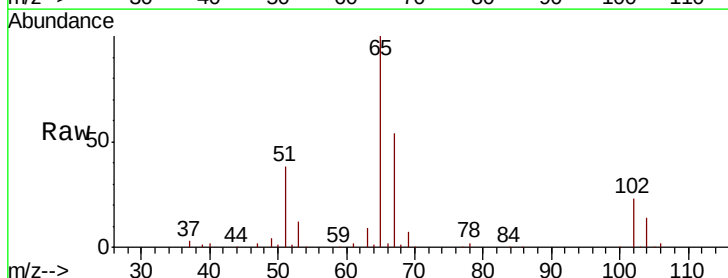


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

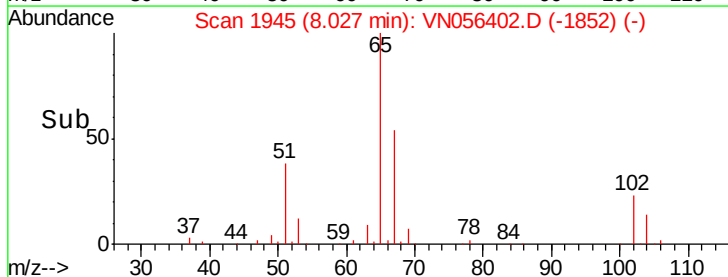
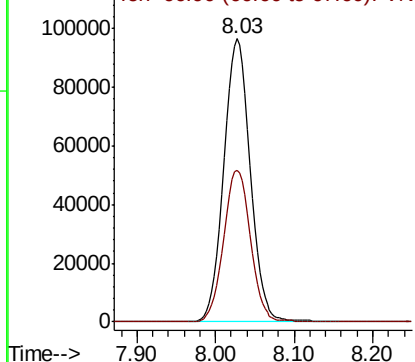


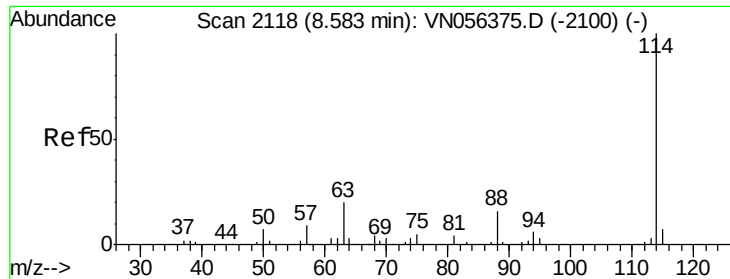
#33
1,2-Dichloroethane-d4
Concen: 49.772 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056402.D
Acq: 20 Jun 2019 15:02

Tgt Ion: 65 Resp: 224596
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.0



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

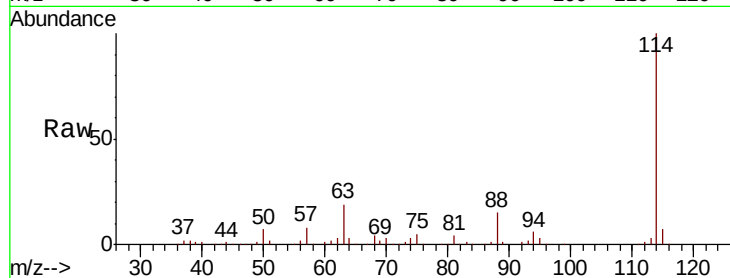




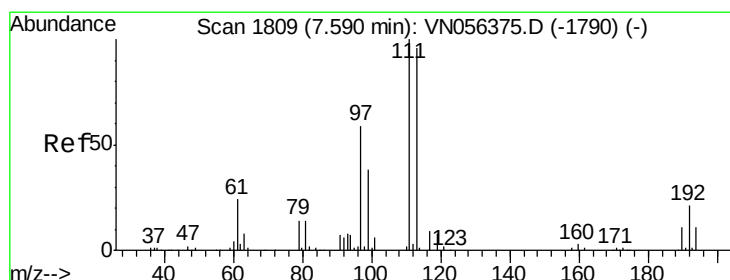
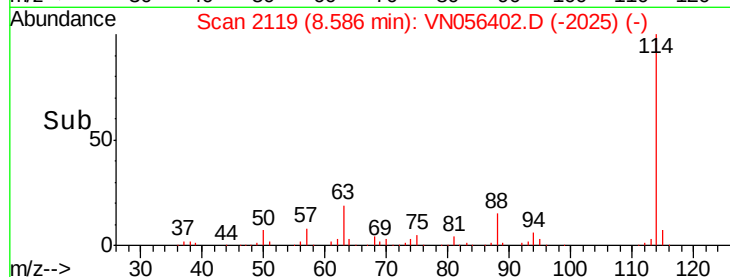
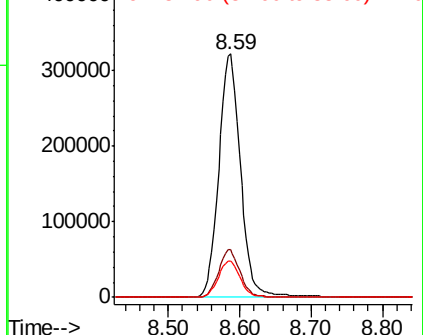
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056402.D
Acq: 20 Jun 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 682482
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.2
88 15.1 0.0 31.4

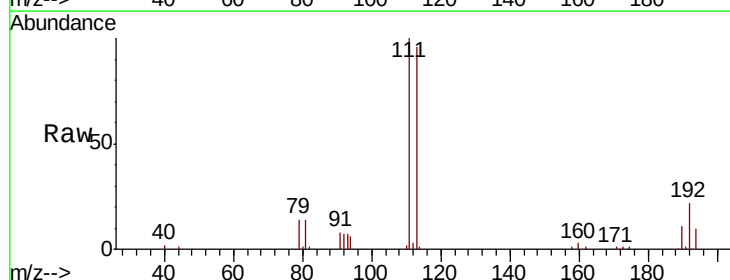


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

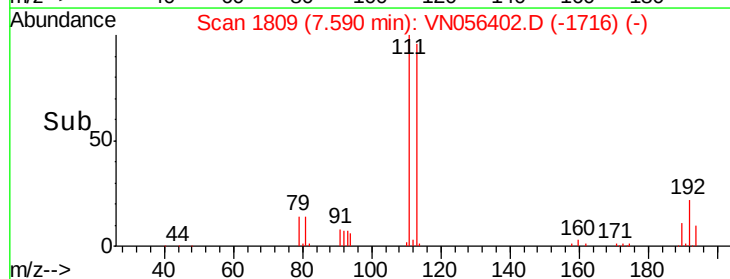
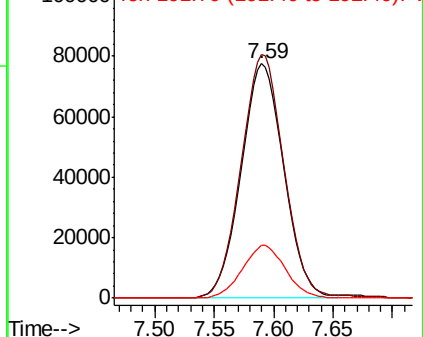


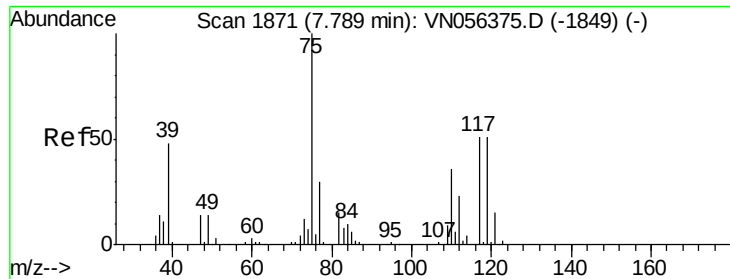
#35
Dibromofluoromethane
Concen: 45.369 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN056402.D
Acq: 20 Jun 2019 15:02

Tgt Ion:113 Resp: 193161
Ion Ratio Lower Upper
113 100
111 104.5 82.9 124.3
192 22.5 17.7 26.5



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

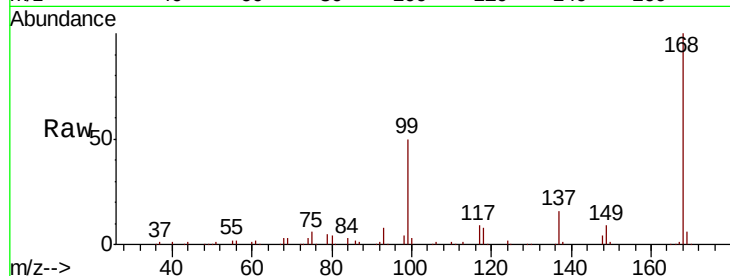




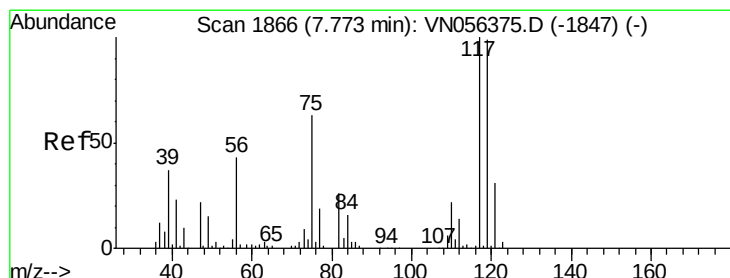
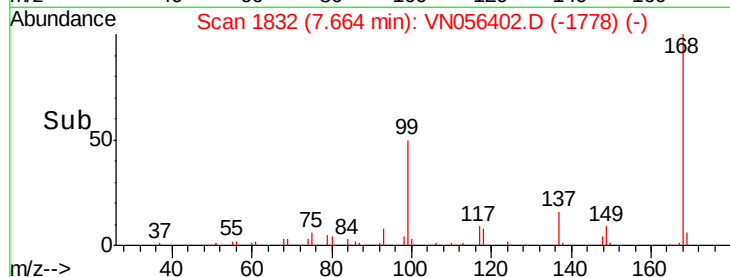
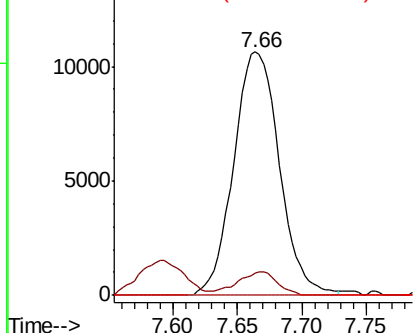
#36
 1,1-Dichloropropene
 Concen: 4.378 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056402.D
 Acq: 20 Jun 2019 15:02

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	75	Resp	26301
Ion Ratio	Lower	Upper	
75	100		
110	8.6	18.1	54.3#
77	0.0	24.6	36.8#

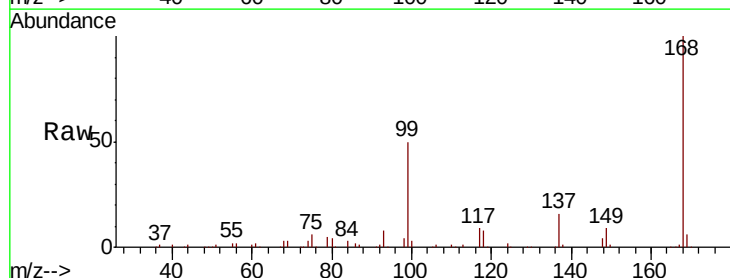


Abundance Ion 74.90 (74.60 to 75.60): VN056375.D (-1849) (-)
 Ion 109.90 (109.60 to 110.60): VN056375.D (-1849) (-)
 Ion 76.90 (76.60 to 77.60): VN056375.D (-1849) (-)

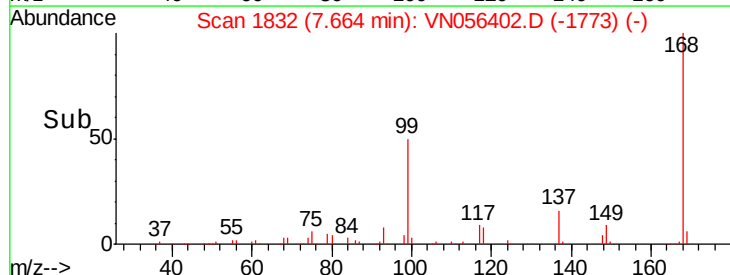
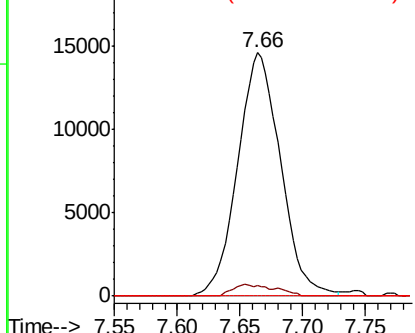


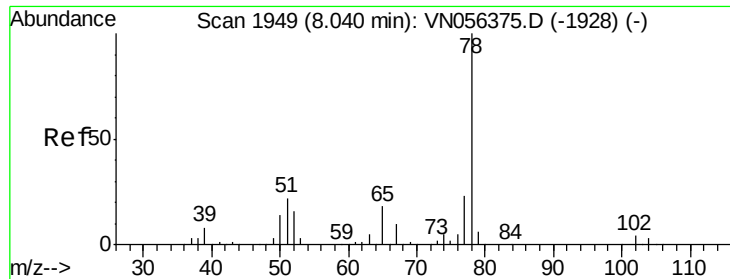
#38
 Carbon Tetrachloride
 Concen: 6.601 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056402.D
 Acq: 20 Jun 2019 15:02

Tgt Ion	117	Resp	34677
Ion Ratio	Lower	Upper	
117	100		
119	4.1	79.1	118.7#
121	0.0	24.8	37.2#



Abundance Ion 116.80 (116.50 to 117.50): VN056375.D (-1847) (-)
 Ion 118.80 (118.50 to 119.50): VN056375.D (-1847) (-)
 Ion 120.80 (120.50 to 121.50): VN056375.D (-1847) (-)





#40

Benzene

Concen: 0.405 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN056402.D

Acq: 20 Jun 2019 15:02

Instrument :

MSVOA_N

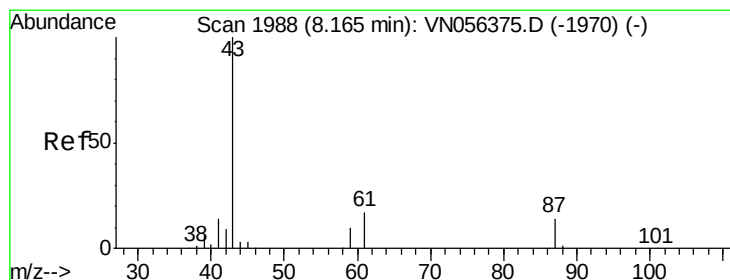
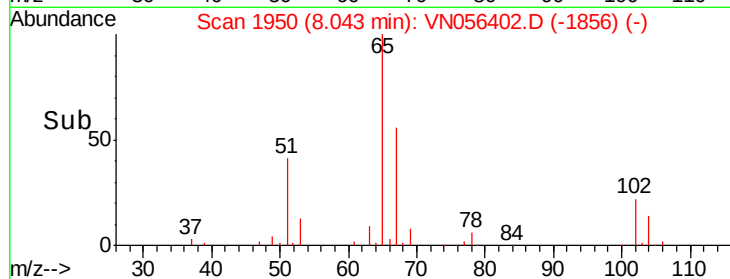
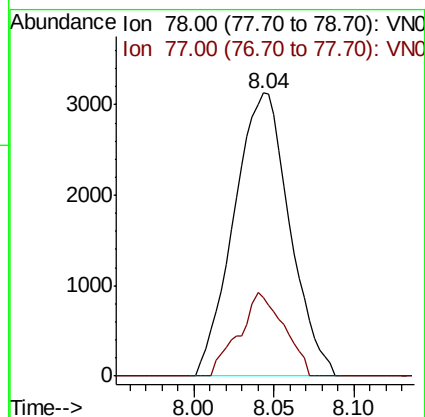
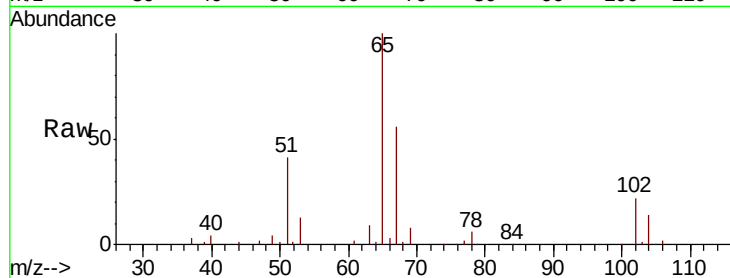
ClientSampled :

Tot Ion: 78 Resp: 7476

Ion Ratio Lower Upper

78 100

77 27.8 18.3 27.5#



#43

Isopropyl Acetate

Concen: 1.450 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056402.D

Acq: 20 Jun 2019 15:02

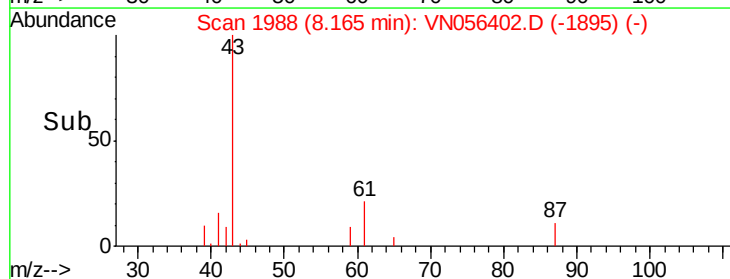
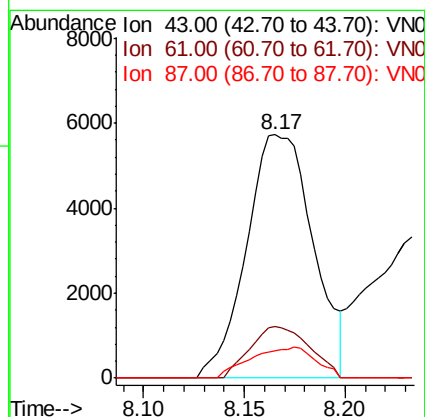
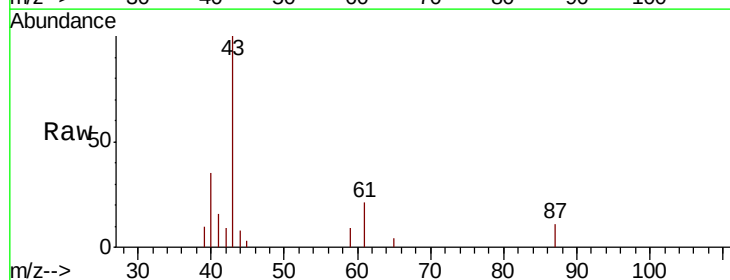
Tgt Ion: 43 Resp: 13199

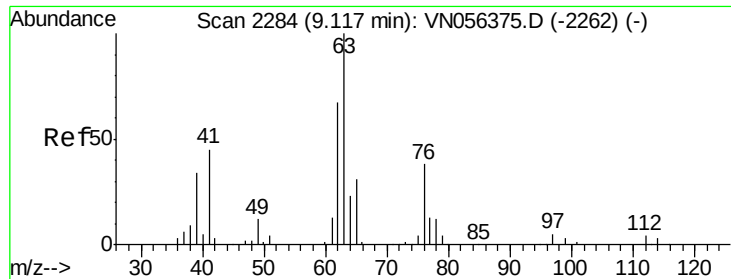
Ion Ratio Lower Upper

43 100

61 18.9 22.0 33.0#

87 12.3 11.0 16.4

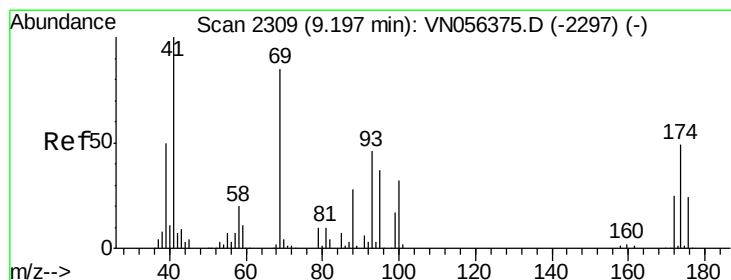
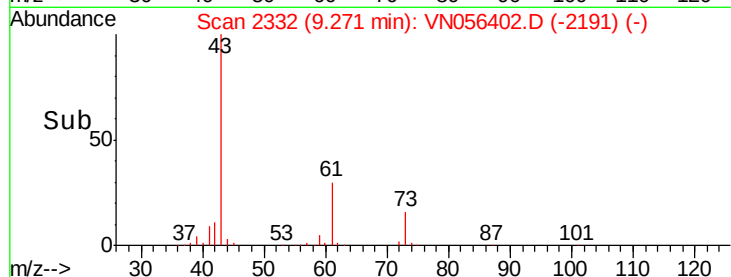
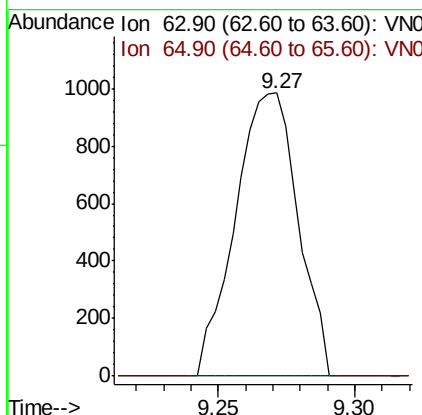
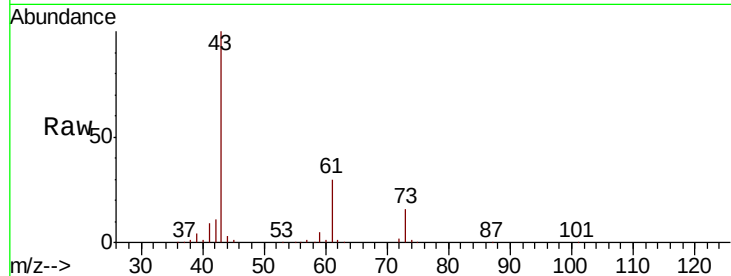




#45
 1,2-Dichloropropane
 Concen: 0.318 ug/l
 RT: 9.27 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN056402.D
 Acq: 20 Jun 2019 15:02

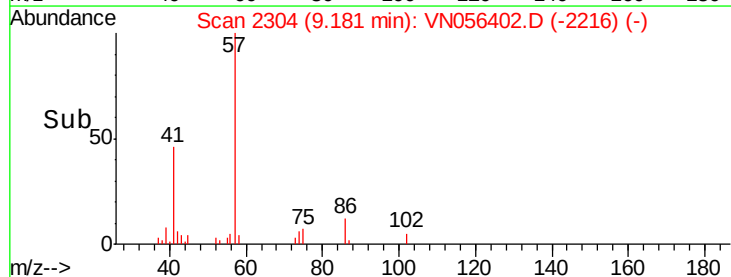
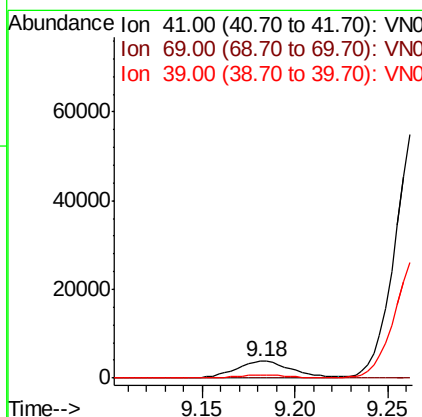
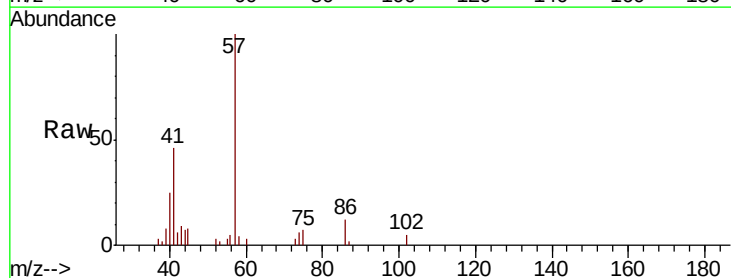
Instrument :
 MSVOA_N
 ClientSampled :

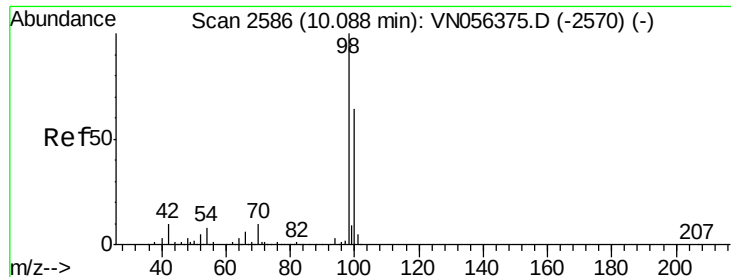
Tot Ion: 63 Resp: 1572
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 1.736 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN056402.D
 Acq: 20 Jun 2019 15:02

Tgt Ion: 41 Resp: 7917
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.6 109.0#
 39 0.0 42.6 63.8#





#50

Toluene-d8

Concen: 51.233 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056402.D

Acq: 20 Jun 2019 15:02

Instrument :

MSVOA_N

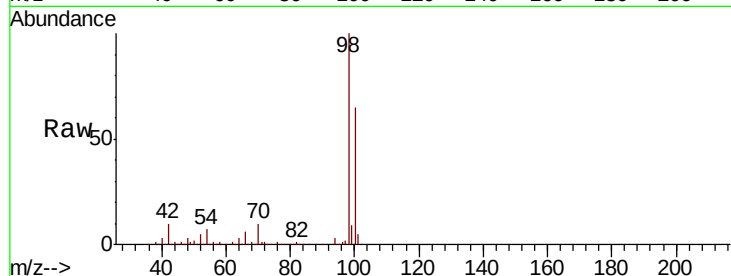
ClientSampled :

Tot Ion: 98 Resp: 848754

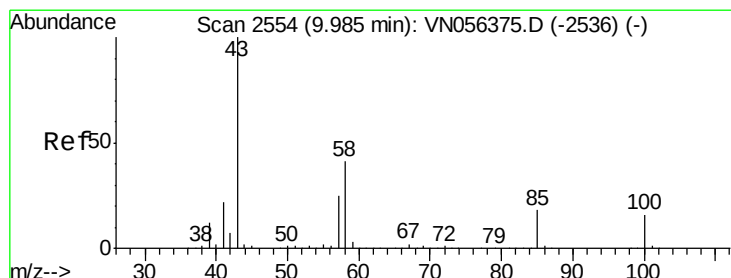
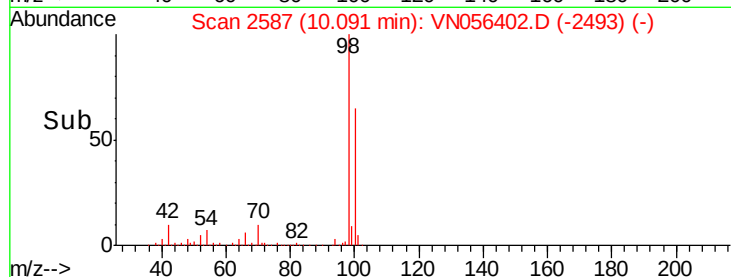
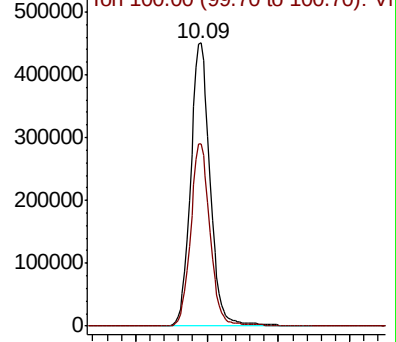
Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN056375.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.741 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056402.D

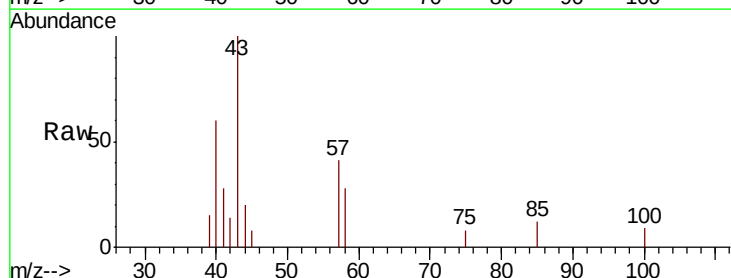
Acq: 20 Jun 2019 15:02

Tgt Ion: 43 Resp: 4352

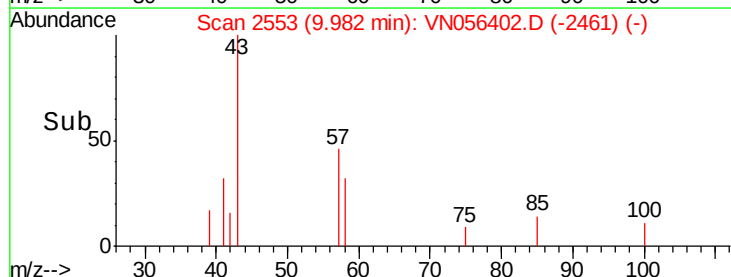
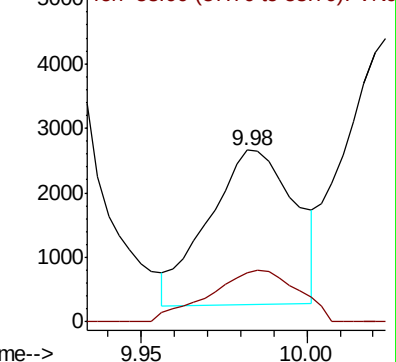
Ion Ratio Lower Upper

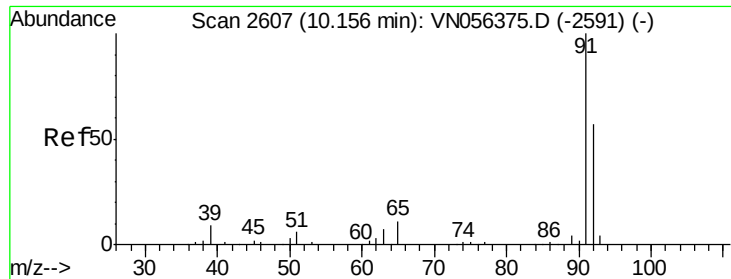
43 100

58 34.0 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-2536) (-)





#52

Toluene

Concen: 0.245 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056402.D

Acq: 20 Jun 2019 15:02

Instrument :

MSVOA_N

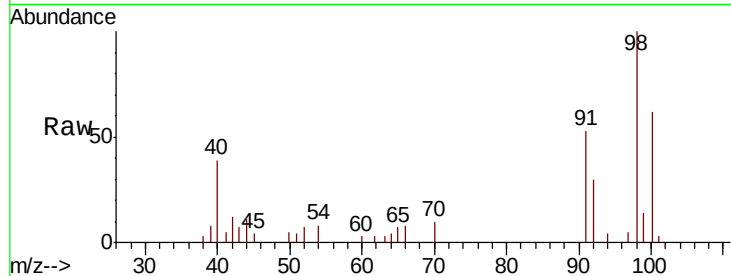
ClientSampled :

Tot Ion: 92 Resp: 2769

Ion Ratio Lower Upper

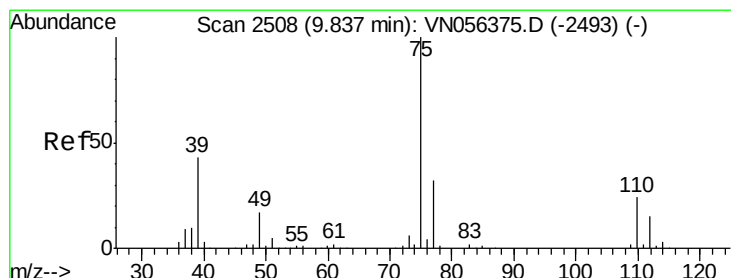
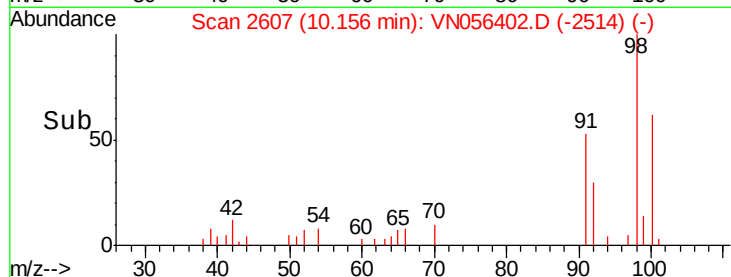
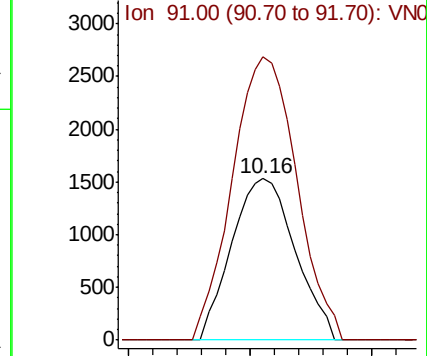
92 100

91 177.6 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 7.509 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056402.D

Acq: 20 Jun 2019 15:02

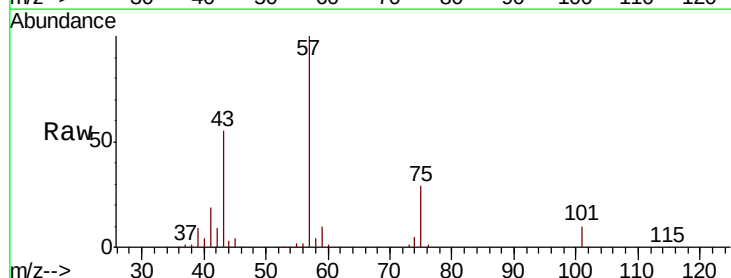
Tgt Ion: 75 Resp: 49583

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

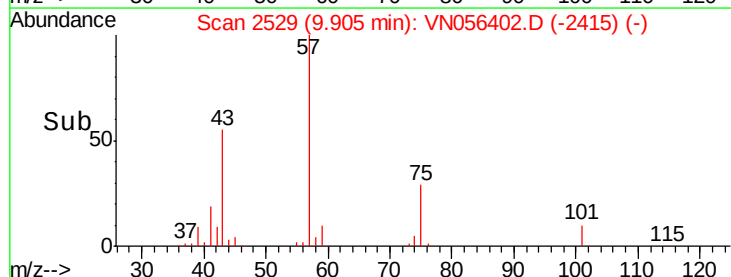
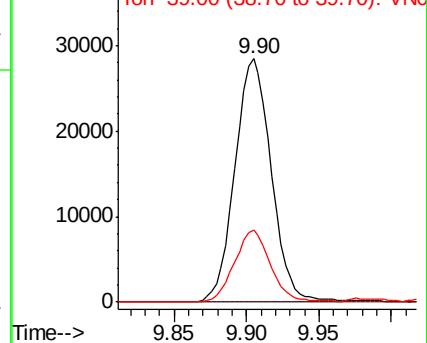
39 29.7 34.2 51.4#

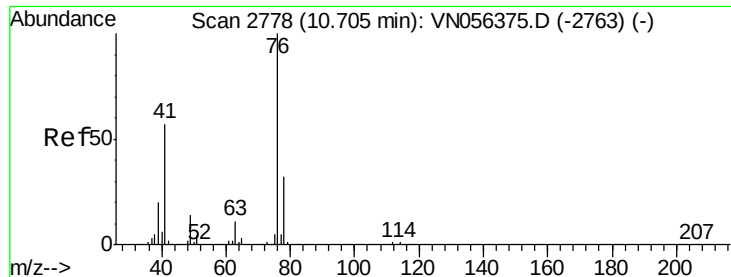


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.253 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN056402.D

Acq: 20 Jun 2019 15:02

Instrument :

MSVOA_N

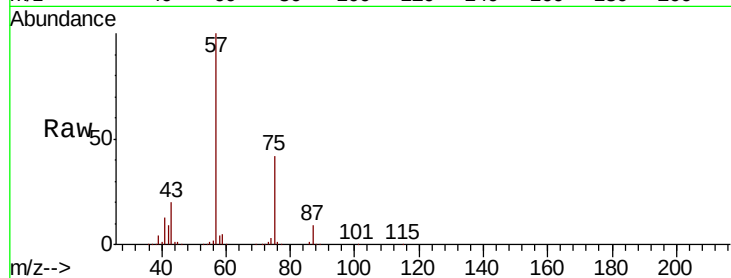
ClientSampleId :

Tot Ion: 76 Resp: 9559

Ion Ratio Lower Upper

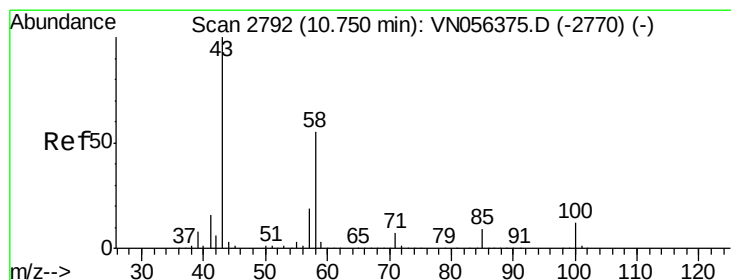
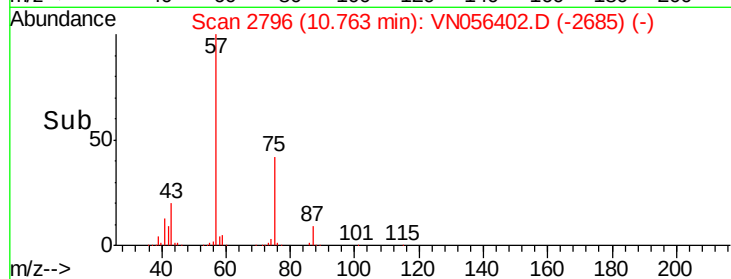
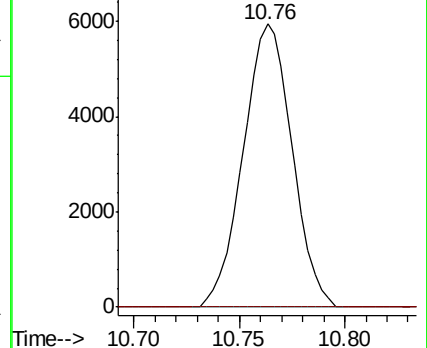
76 100

78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 30.727 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN056402.D

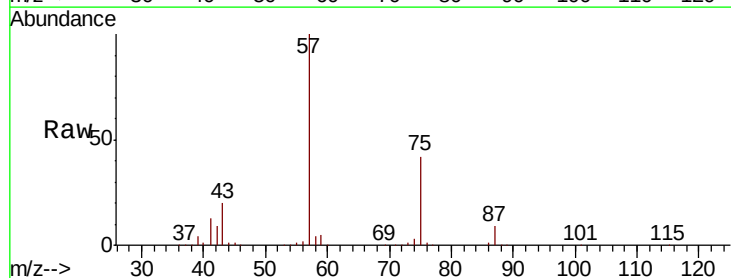
Acq: 20 Jun 2019 15:02

Tgt Ion: 43 Resp: 132683

Ion Ratio Lower Upper

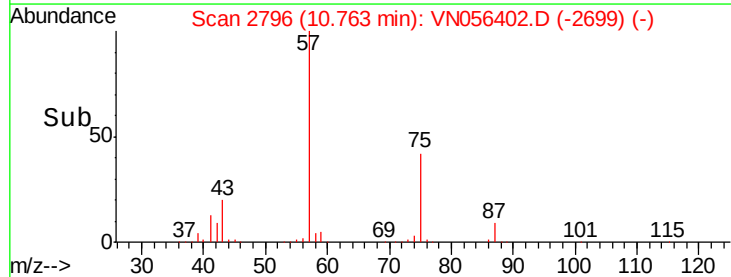
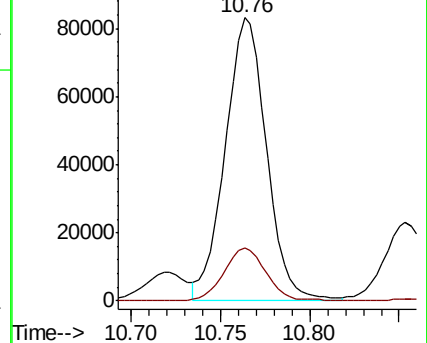
43 100

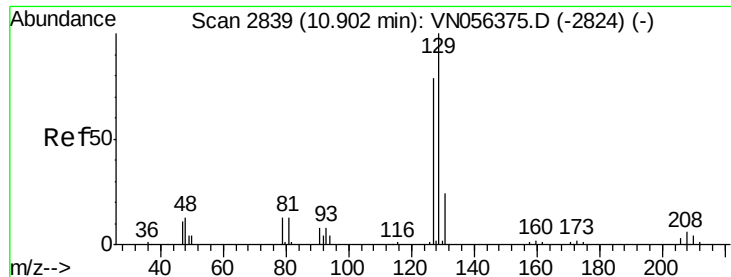
58 19.2 27.8 83.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

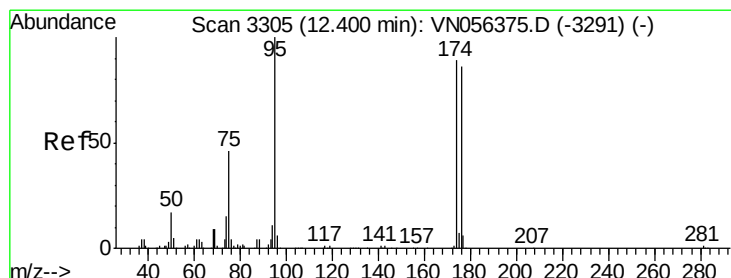
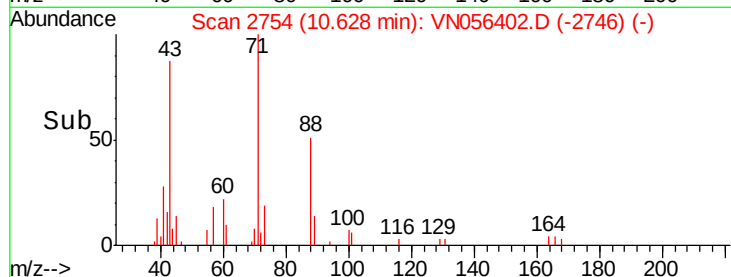
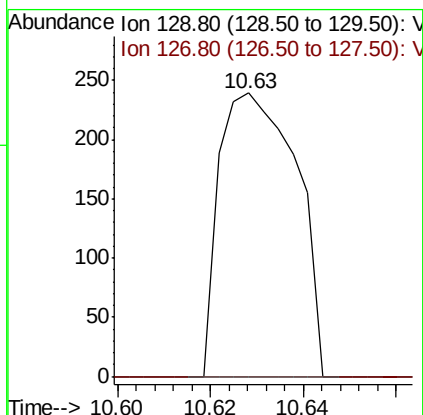
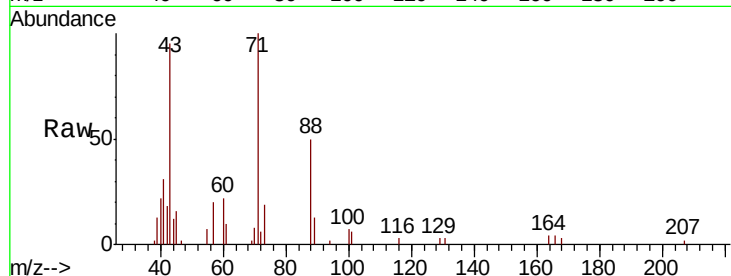




#60
Dibromochloromethane
Concen: 2.438 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN056402.D
Acq: 20 Jun 2019 15:02

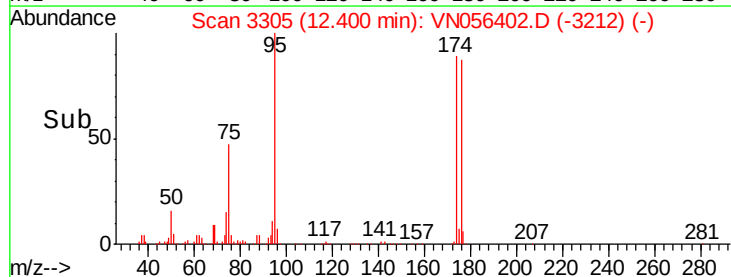
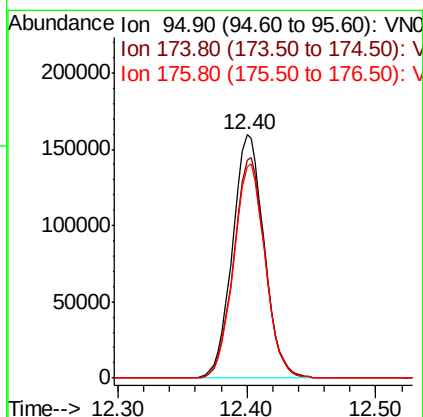
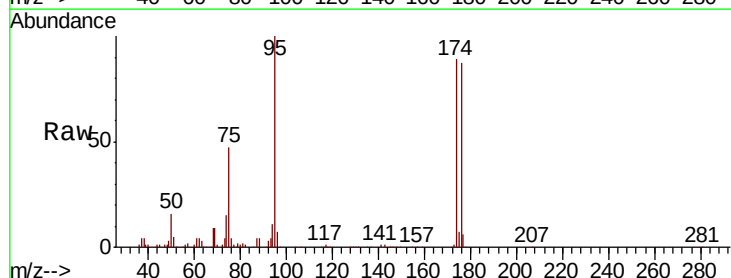
Instrument :
MSVOA_N
ClientSampled :

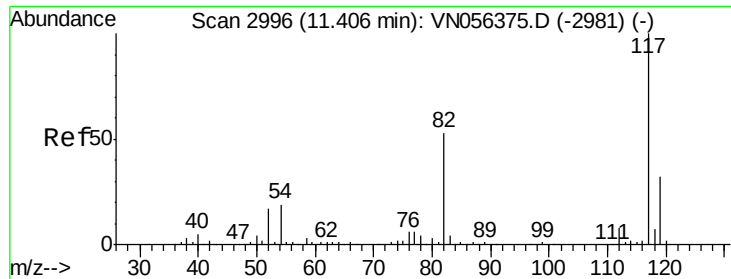
Tot Ion:129 Resp: 277
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#



#62
4-Bromofluorobenzene
Concen: 49.250 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056402.D
Acq: 20 Jun 2019 15:02

Tgt Ion: 95 Resp: 271985
Ion Ratio Lower Upper
95 100
174 90.4 0.0 179.4
176 87.6 0.0 173.4

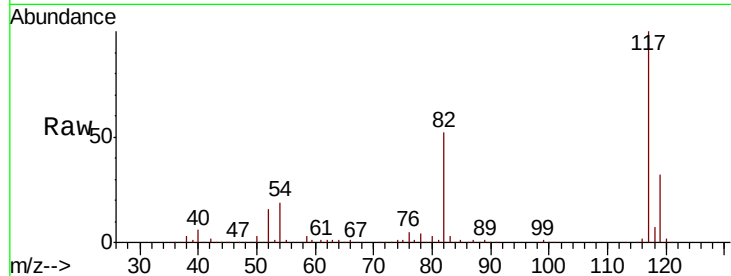




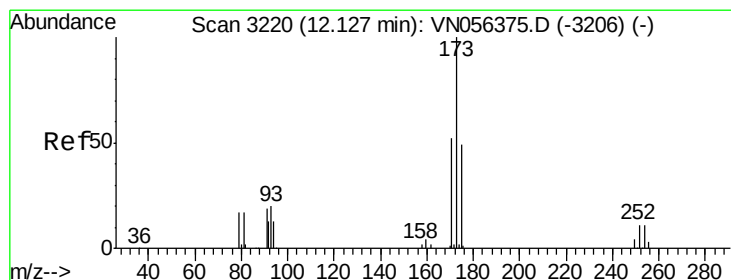
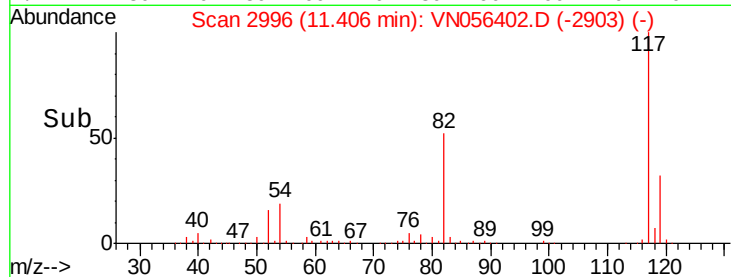
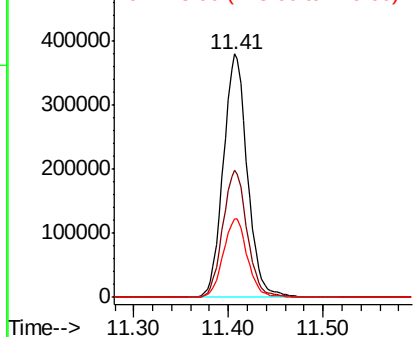
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056402.D
Acq: 20 Jun 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 669452
Ion Ratio Lower Upper
117 100
82 52.3 42.0 63.0
119 32.5 25.3 37.9

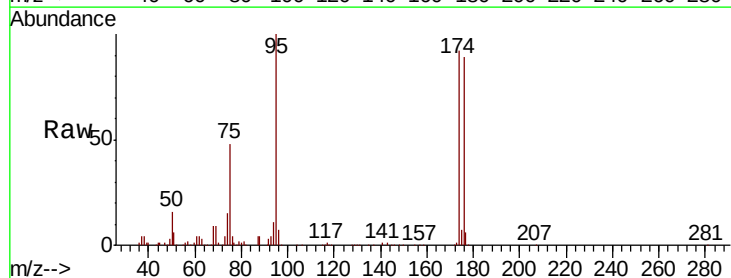


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

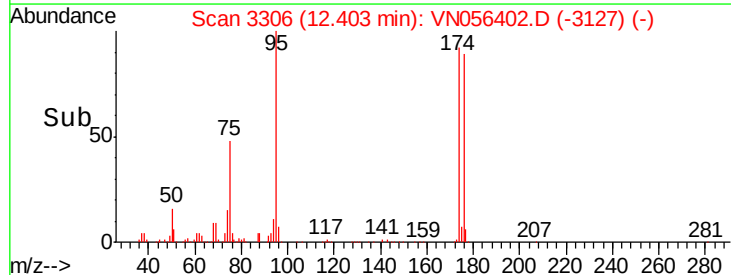
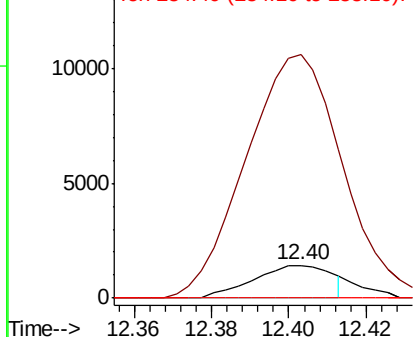


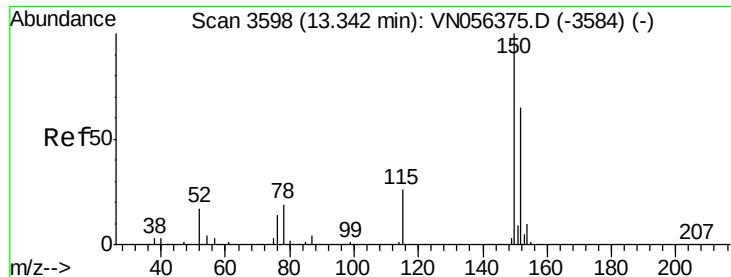
#71
Bromoform
Concen: 3.653 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056402.D
Acq: 20 Jun 2019 15:02

Tgt Ion:173 Resp: 1996
Ion Ratio Lower Upper
173 100
175 805.1 24.4 73.4#
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



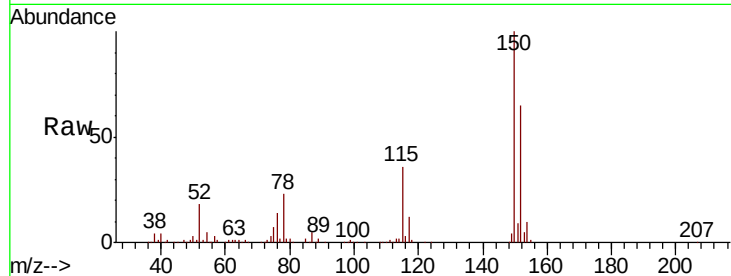


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056402.D
Acq: 20 Jun 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.1	84.4
150	155.7	0.0	348.4

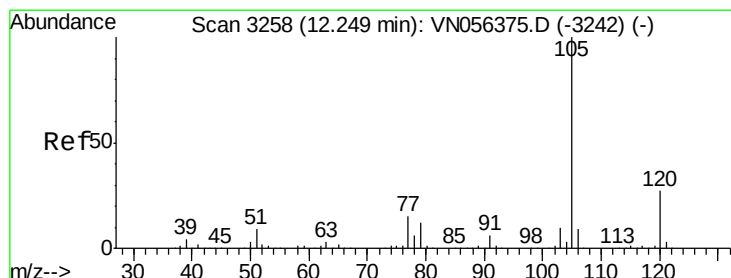
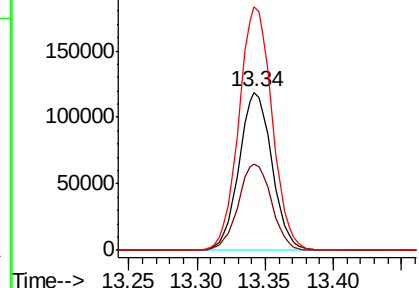
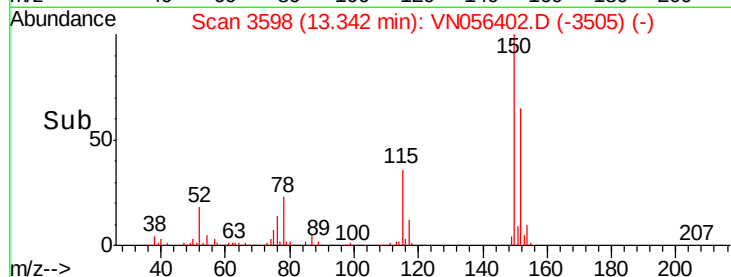


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

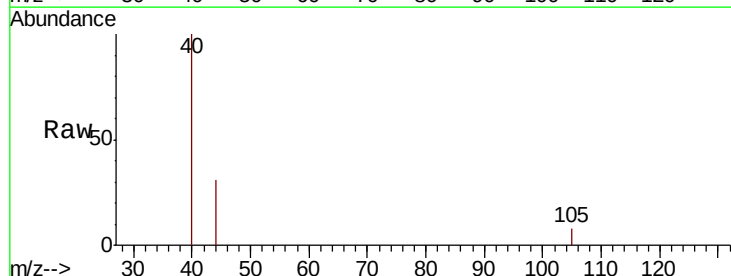
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN056402.D
Acq: 20 Jun 2019 15:02

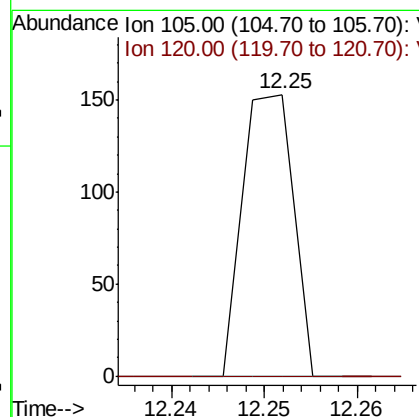
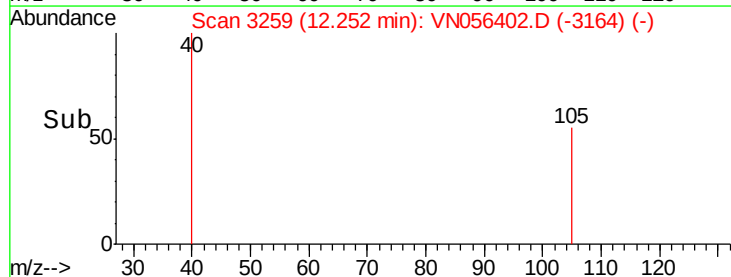
Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.4	40.2#

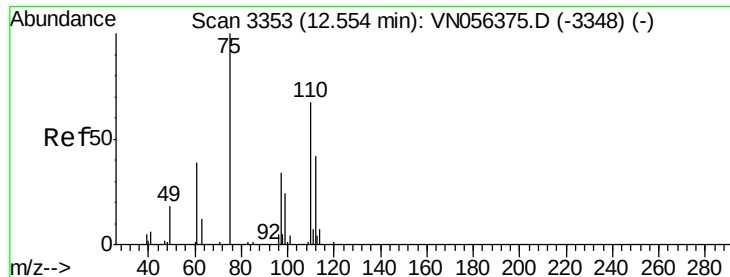


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 30.777 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056402.D

Acq: 20 Jun 2019 15:02

Instrument :

MSVOA_N

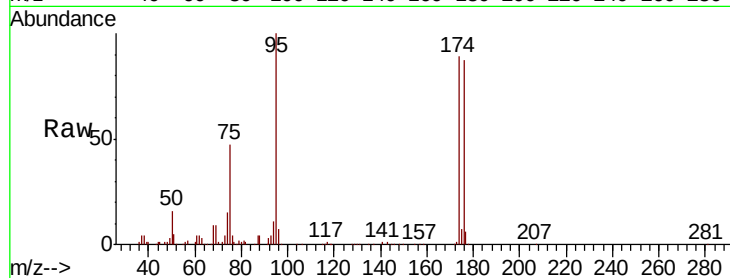
ClientSampleId :

Tot Ion: 75 Resp: 127057

Ion Ratio Lower Upper

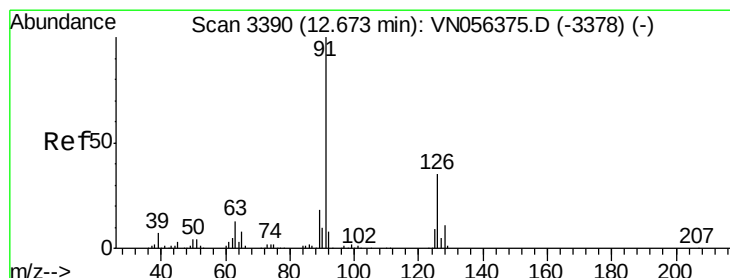
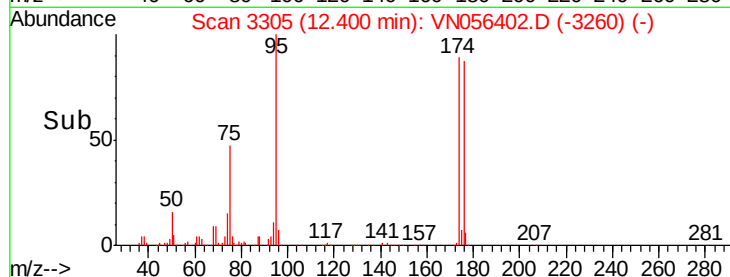
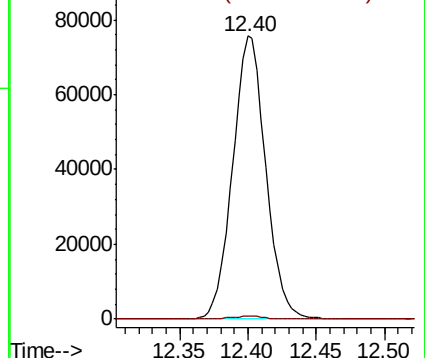
75 100

77 1.0 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: 12.58 min Scan# 3362

Delta R.T. -0.09 min

Lab File: VN056402.D

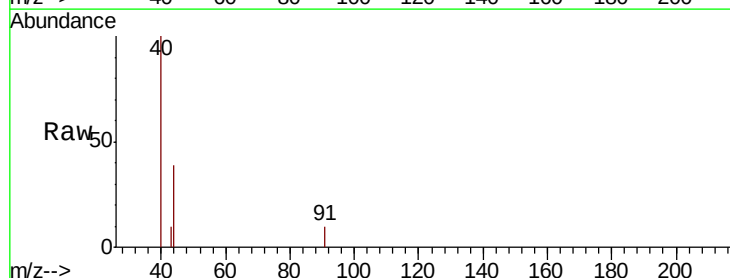
Acq: 20 Jun 2019 15:02

Tgt Ion: 91 Resp: 140

Ion Ratio Lower Upper

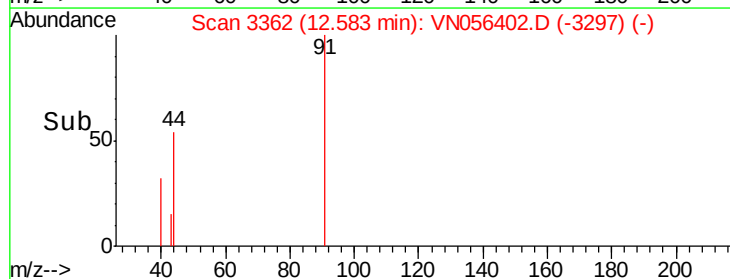
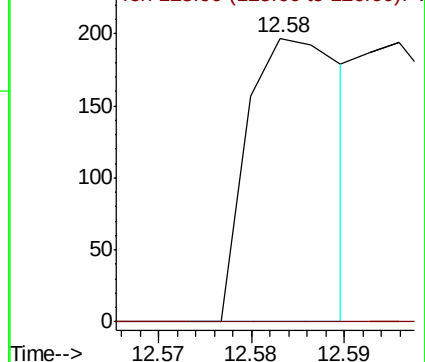
91 100

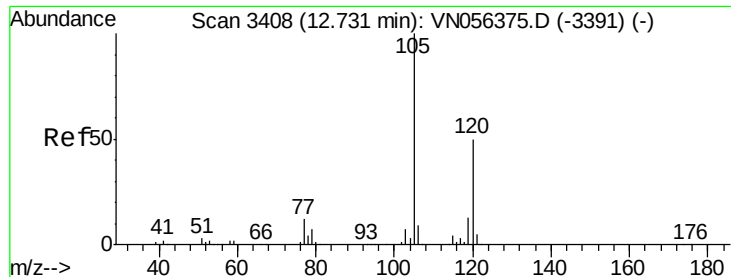
126 0.0 17.6 52.8#



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: VN056402.D

Acq: 20 Jun 2019 15:02

Instrument :

MSVOA_N

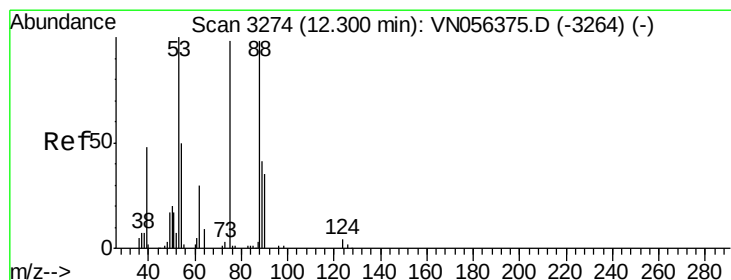
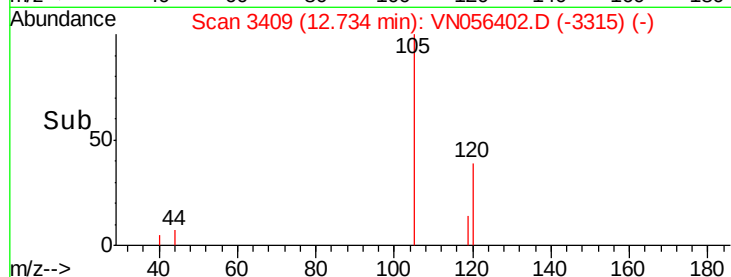
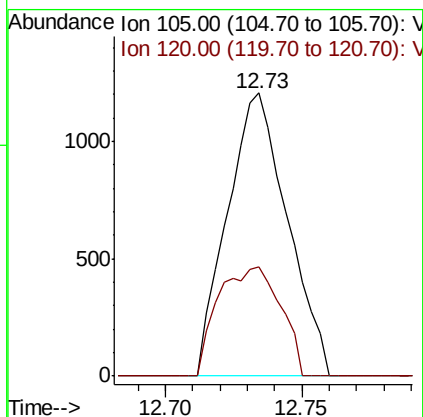
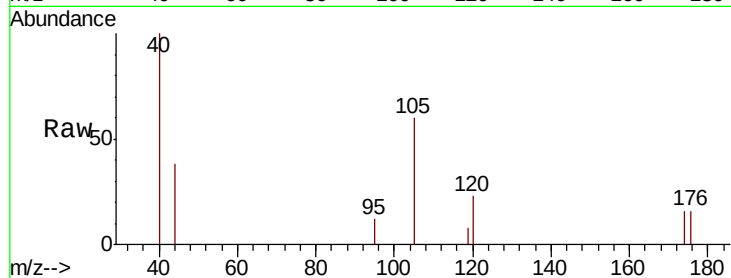
ClientSampled :

Tot Ion:105 Resp: 1840

Ion Ratio Lower Upper

105 100

120 40.0 24.8 74.4



#81

trans-1,4-Dichloro-2-butene

Concen: 109.387 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056402.D

Acq: 20 Jun 2019 15:02

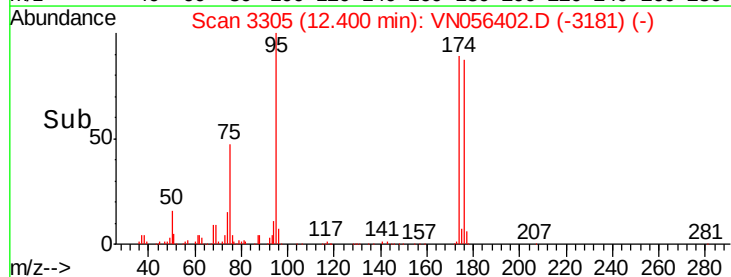
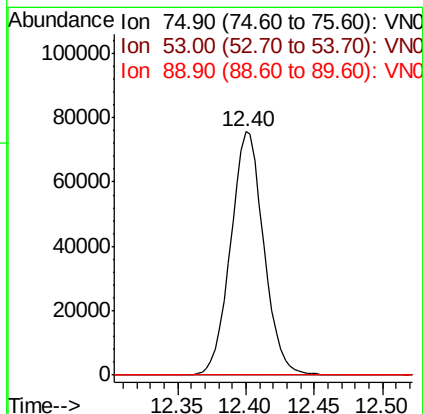
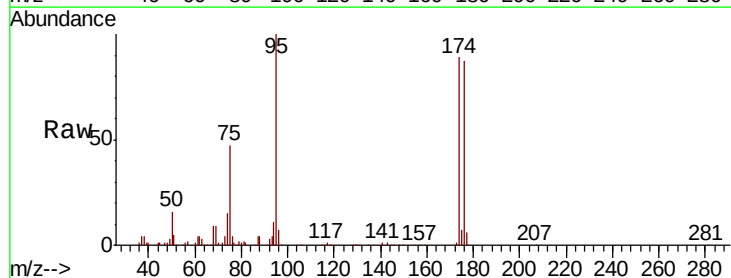
Tgt Ion: 75 Resp: 127057

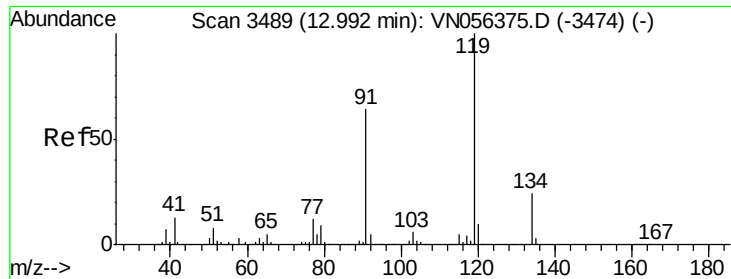
Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

89 0.0 35.0 52.6#

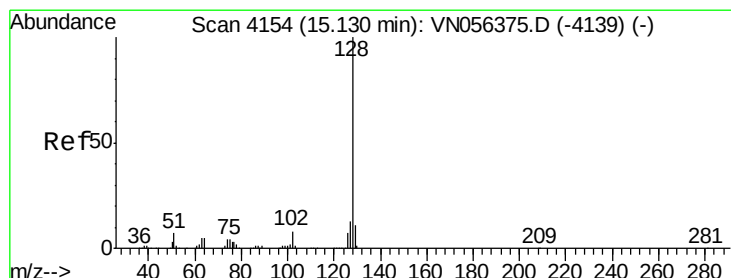
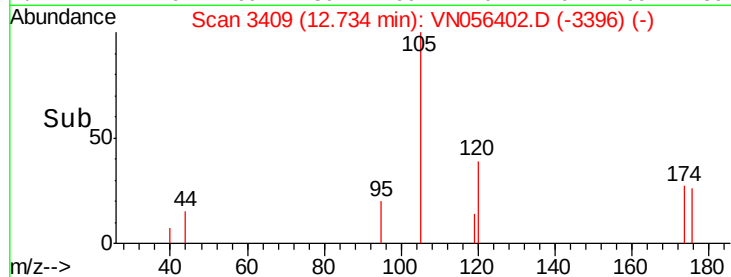
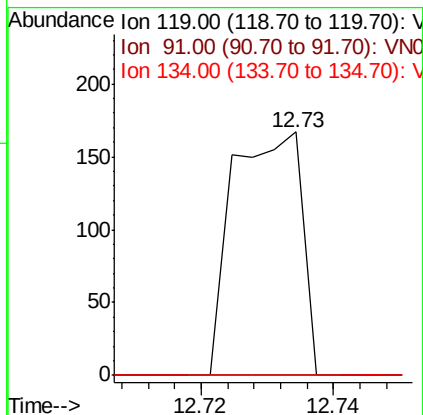
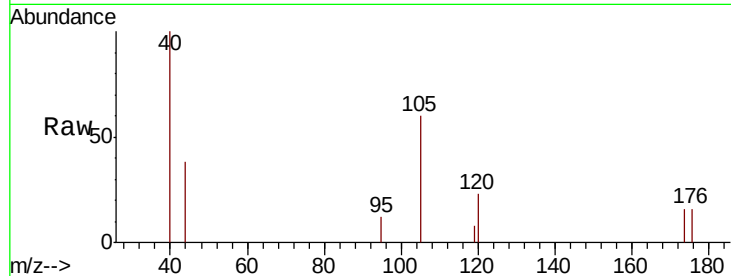




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.26 min
 Lab File: VN056402.D
 Acq: 20 Jun 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 120
 Ion Ratio Lower Upper
 119 100
 91 0.0 31.6 94.7#
 134 0.0 13.2 39.5#



#95
 Naphthalene
 Concen: 5.374 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN056402.D
 Acq: 20 Jun 2019 15:02

Tgt Ion:128 Resp: 1316
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 4.9 8.6 12.8#

