

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
 Data File : VN057454.D
 Acq On : 23 Aug 2019 00:40
 Operator : JC/SP
 Sample : K4403-38
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-K1-(0)

Quant Time: Aug 23 05:17:02 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	403761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	700068	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	559390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	130820	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	330081	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
35) Dibromofluoromethane	7.58	113	224203	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
50) Toluene-d8	10.08	98	889644	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	228376	37.69	ug/l	0.00
Spiked Amount			Recovery	=	75.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1402	0.206	ug/l #	36
5) Bromomethane	2.56	94	1621	0.318	ug/l	82
8) Diethyl Ether	3.43	74	325	Below Cal		69
9) 1,1,2-Trichlorotrifluoroet	3.72	101	125	Below Cal	#	17
11) Tert butyl alcohol	4.81	59	202	0.229	ug/l #	1
13) Acrolein	3.59	56	231	0.298	ug/l #	13
16) Acetone	3.80	43	10891	3.339	ug/l #	82
18) Methyl Acetate	4.31	43	19196	1.808	ug/l #	81
20) Methylene Chloride	4.52	84	9694	1.933	ug/l #	93
31) Cyclohexane	7.65	56	13610	1.364	ug/l #	14
36) 1,1-Dichloropropene	7.65	75	40206	5.621	ug/l #	50
38) Carbon Tetrachloride	7.65	117	44902	6.319	ug/l #	15
43) Isopropyl Acetate	8.15	43	110921	8.558	ug/l	100
46) Dibromomethane	9.22	93	32	Below Cal	#	10
48) Methyl methacrylate	9.17	41	6092	0.988	ug/l #	17
49) 1,4-Dioxane	9.22	88	30	0.376	ug/l #	18
51) 4-Methyl-2-Pentanone	9.98	43	7914	1.096	ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	42236	4.540	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	6963	0.799	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.70	63	60	17.090	ug/l #	52
59) 2-Hexanone	10.76	43	105947	21.385	ug/l #	53
71) Bromoform	12.40	173	992	0.338	ug/l #	1
73) Isopropylbenzene	12.24	105	270	Below Cal		80
74) N-amyl acetate	12.04	43	6688	Below Cal	#	51
75) 1,1,2,2-Tetrachloroethane	12.50	83	29	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	128664	43.985	ug/l #	100
78) n-propylbenzene	12.58	91	230	Below Cal	#	55
79) 2-Chlorotoluene	12.67	91	140	Below Cal		82
80) 1,3,5-Trimethylbenzene	12.73	105	1232	Below Cal		82
81) trans-1,4-Dichloro-2-buten	12.40	75	128664	112.895	ug/l #	9
82) 4-Chlorotoluene	12.67	91	140	Below Cal		83
83) tert-Butylbenzene	13.00	119	275	Below Cal	#	82
85) sec-Butylbenzene	13.16	105	375	Below Cal	#	58
90) Hexachloroethane	14.10	117	29	Below Cal	#	17

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QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration

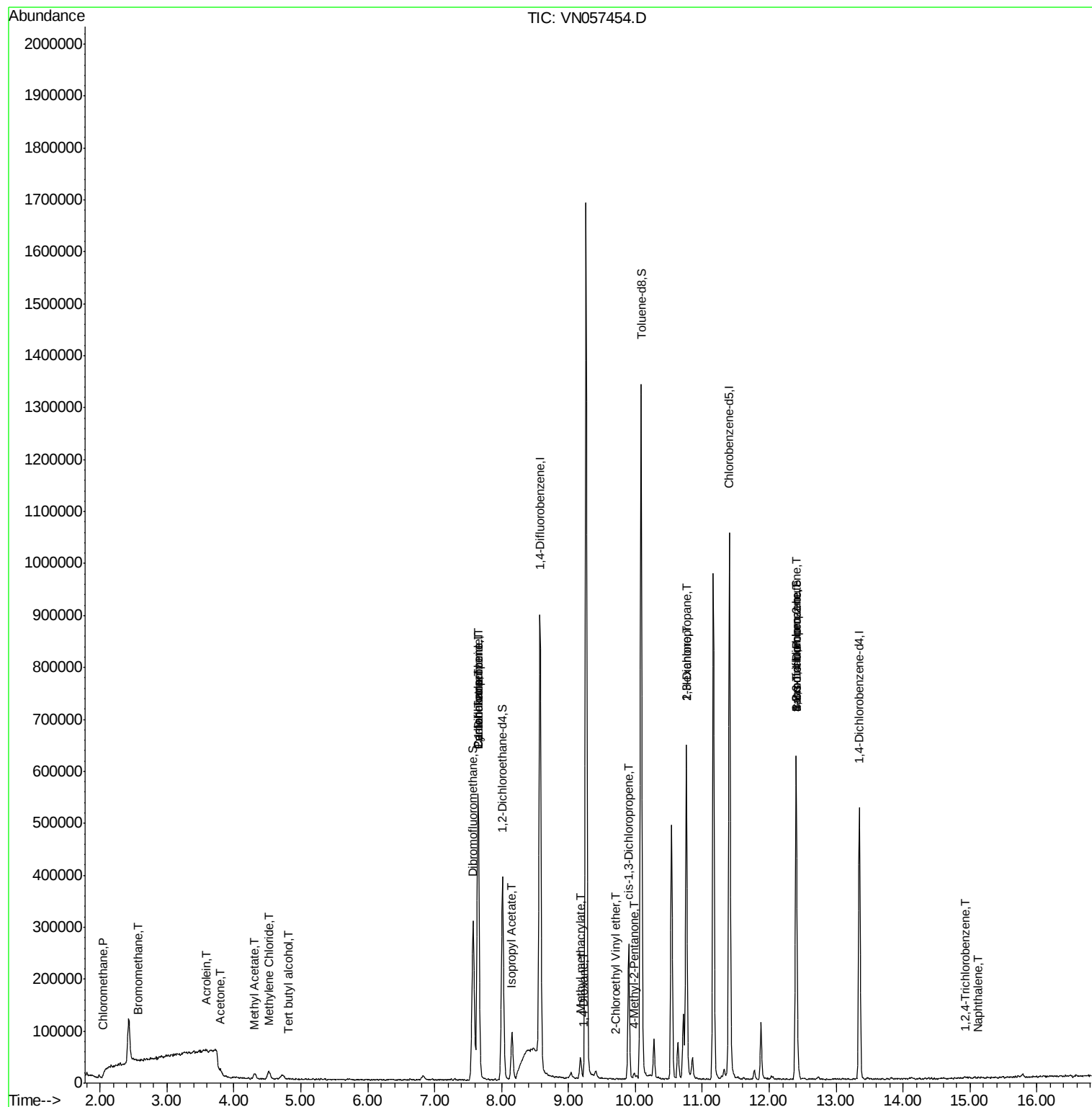
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.18	75	65	Below Cal	#	11
93) 1,2,4-Trichlorobenzene	14.91	180	198	5.480	ug/l #	66
95) Naphthalene	15.13	128	1084	4.530	ug/l #	73

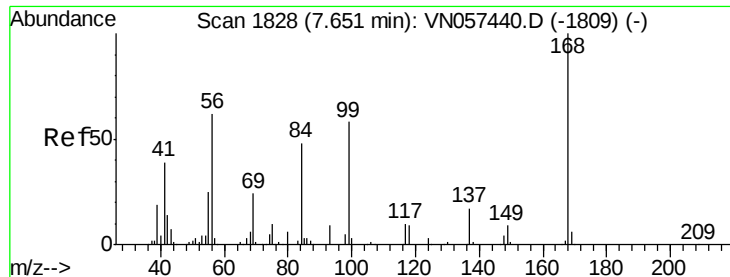
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
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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: VN057454.D

Acq: 23 Aug 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

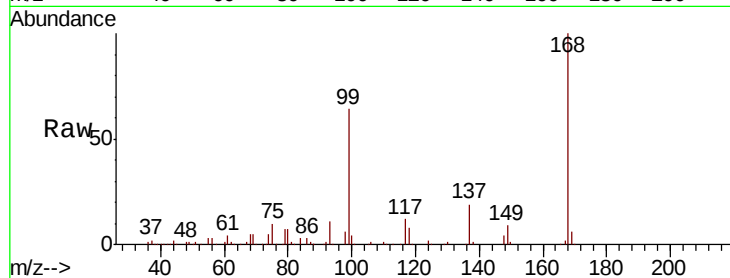
T1-K1-(0)

Tgt Ion:168 Resp: 403761

Ion Ratio Lower Upper

168 100

99 63.8 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): VN057440.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057440.D (-1809) (-)

7.65

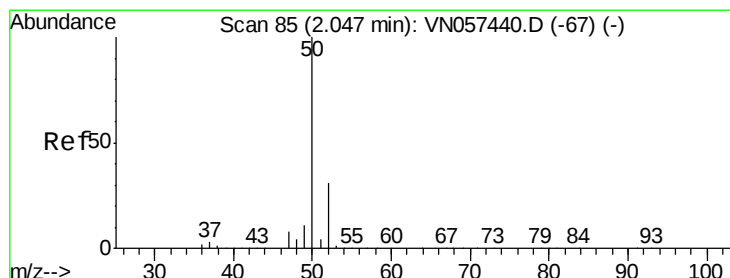
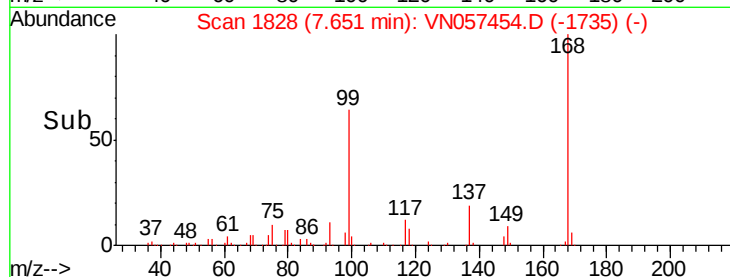
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.206 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.01 min

Lab File: VN057454.D

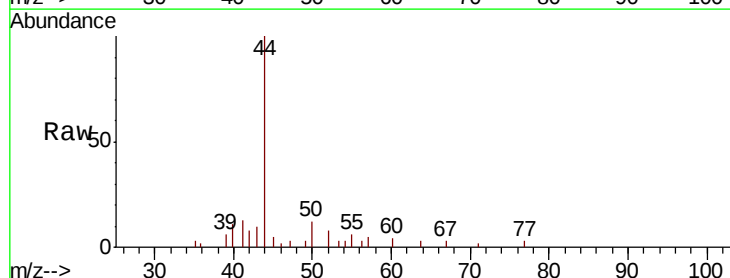
Acq: 23 Aug 2019 00:40

Tgt Ion: 50 Resp: 1402

Ion Ratio Lower Upper

50 100

52 66.7 25.1 37.7#



Abundance Ion 49.90 (49.60 to 50.60): VN057440.D (-67) (-)

Ion 51.90 (51.60 to 52.60): VN057440.D (-67) (-)

2.04

800

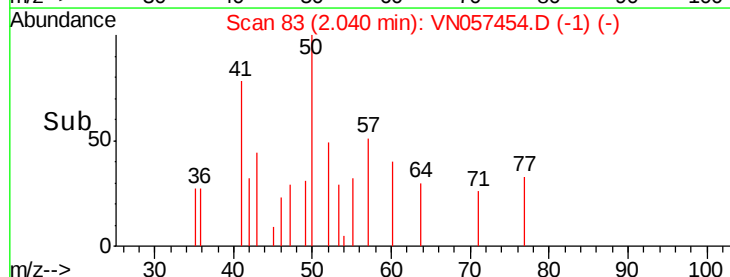
600

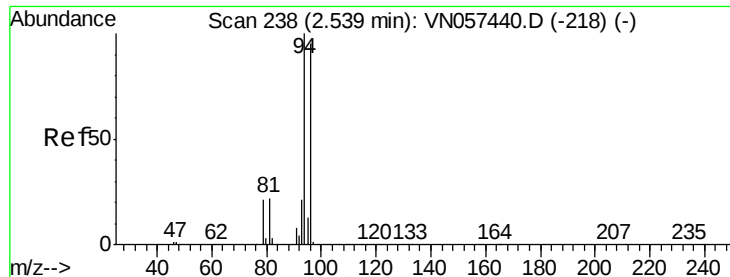
400

200

0

Time-->





#5

Bromomethane

Concen: 0.318 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.02 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

Instrument :

MSVOA_N

ClientSampled :

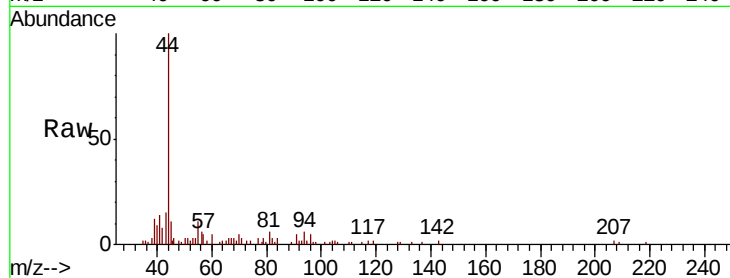
T1-K1-(0)

Tgt Ion: 94 Resp: 1621

Ion Ratio Lower Upper

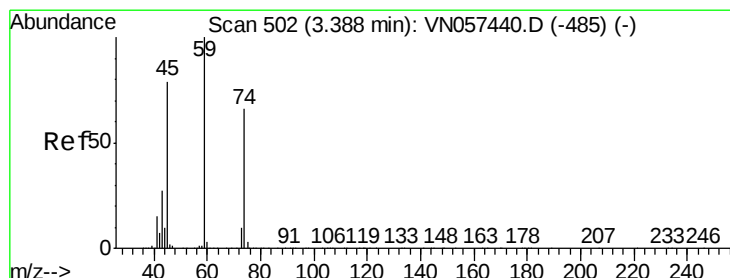
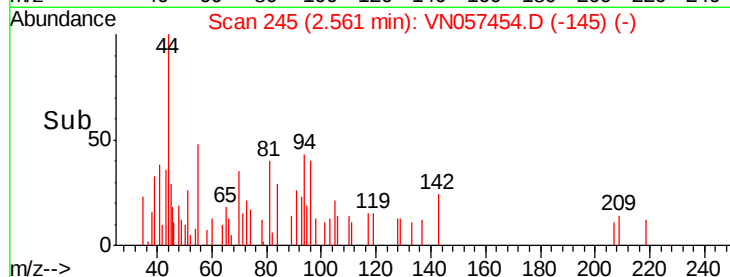
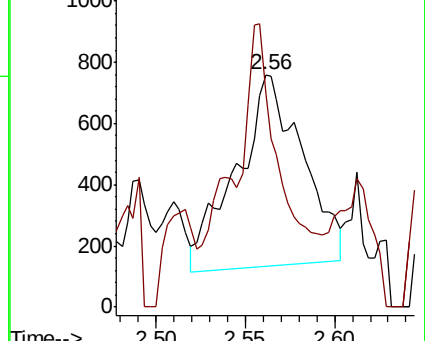
94 100

96 77.4 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#8

Diethyl Ether

Concen: Below Cal

RT: 3.43 min Scan# 515

Delta R.T. 0.04 min

Lab File: VN057454.D

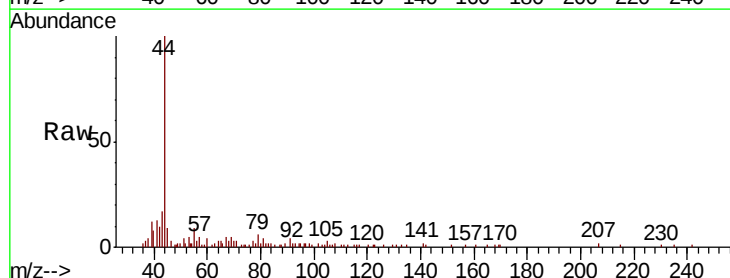
Acq: 23 Aug 2019 00:40

Tgt Ion: 74 Resp: 325

Ion Ratio Lower Upper

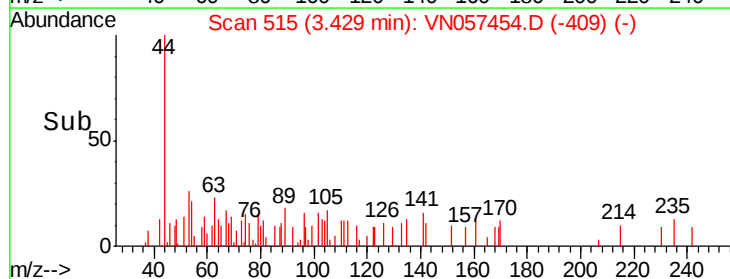
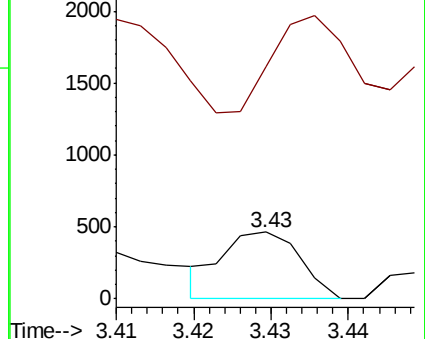
74 100

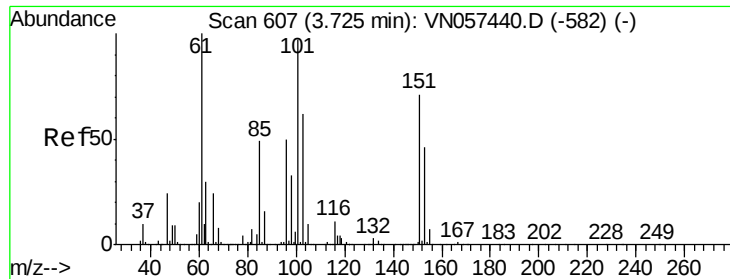
45 149.2 57.9 173.6



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.72 min Scan# 605

Delta R.T. -0.01 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

Instrument :

MSVOA_N

ClientSampled :

T1-K1-(0)

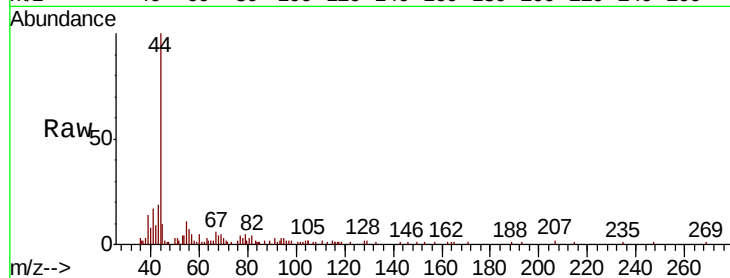
Tgt Ion:101 Resp: 125

Ion Ratio Lower Upper

101 100

85 137.6 40.0 60.0#

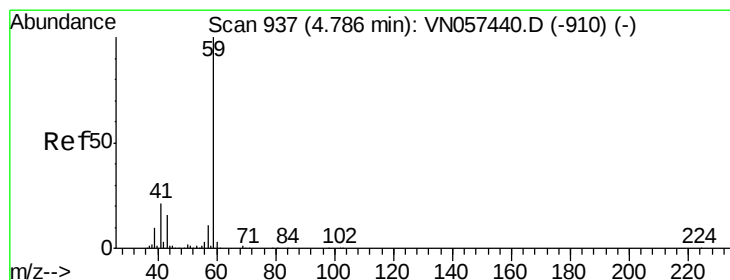
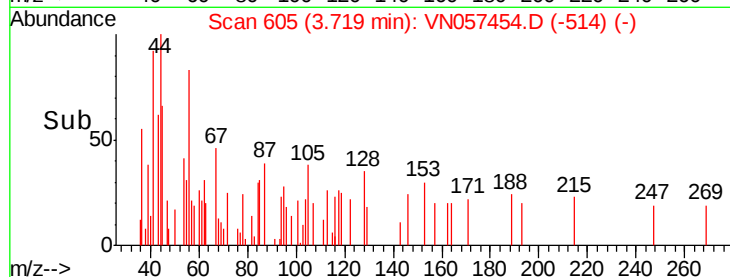
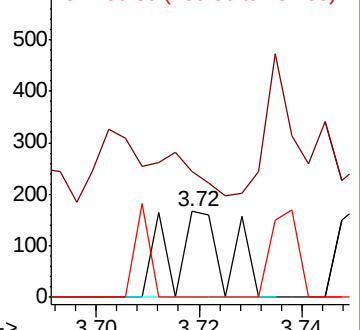
151 28.0 57.0 85.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.229 ug/l

RT: 4.81 min Scan# 943

Delta R.T. 0.02 min

Lab File: VN057454.D

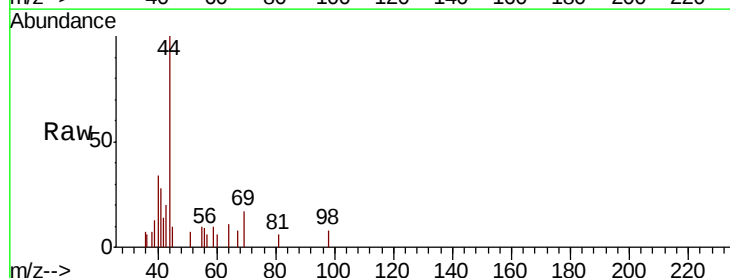
Acq: 23 Aug 2019 00:40

Tgt Ion: 59 Resp: 202

Ion Ratio Lower Upper

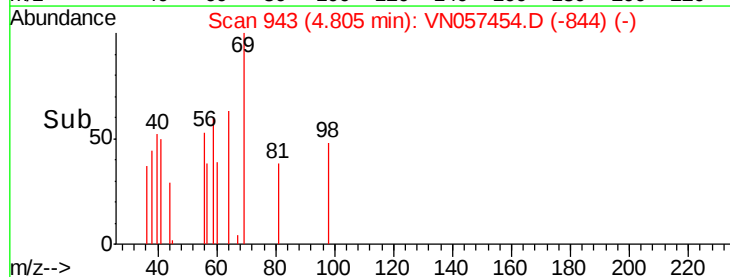
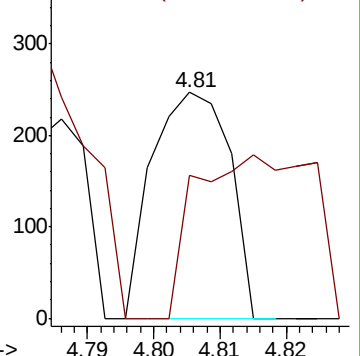
59 100

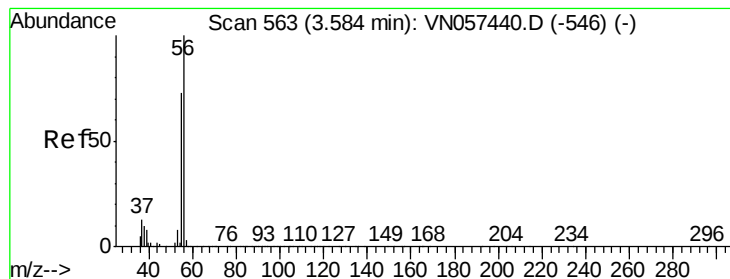
57 109.4 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#13

Acrolein

Concen: 0.298 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN057454.D

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ClientSampleId :

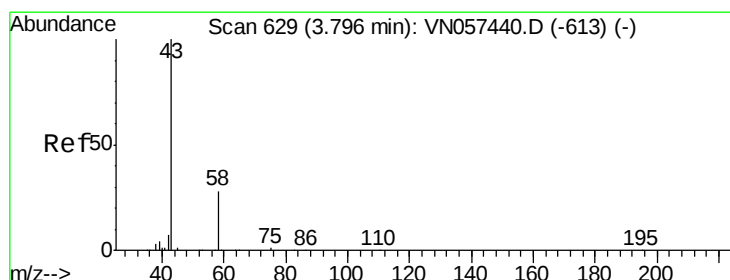
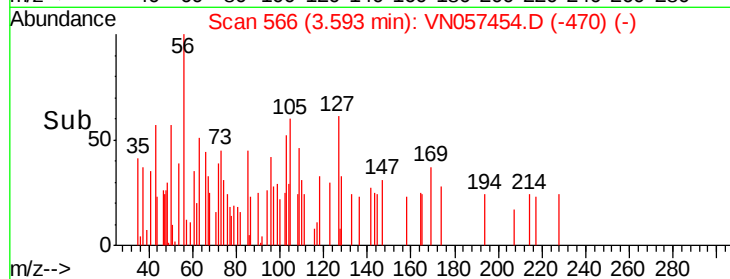
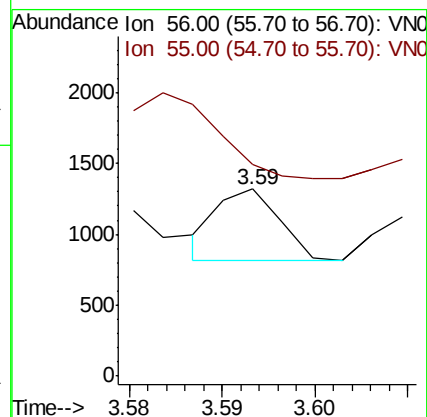
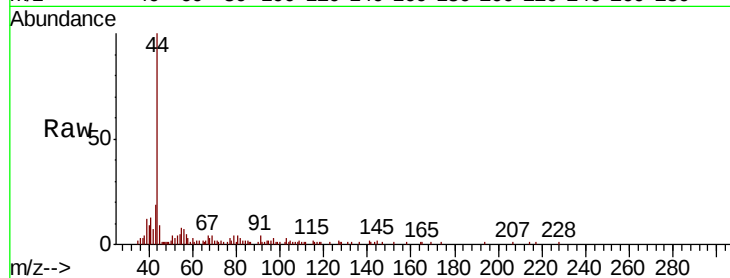
T1-K1-(0)

Tgt Ion: 56 Resp: 231

Ion Ratio Lower Upper

56 100

55 0.0 59.0 88.4#



#16

Acetone

Concen: 3.339 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057454.D

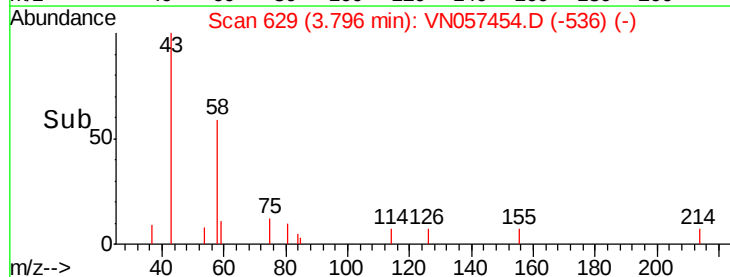
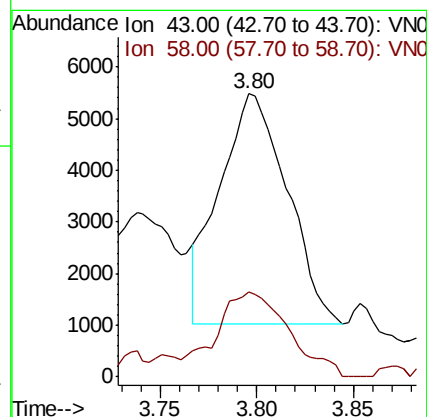
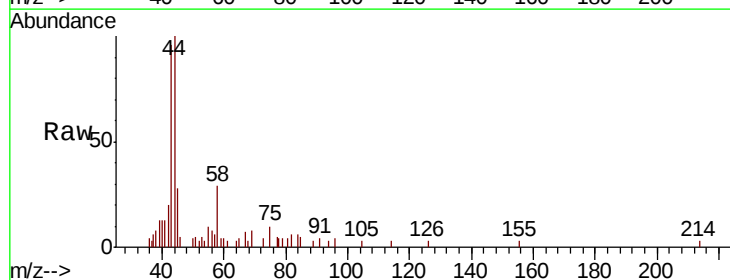
Acq: 23 Aug 2019 00:40

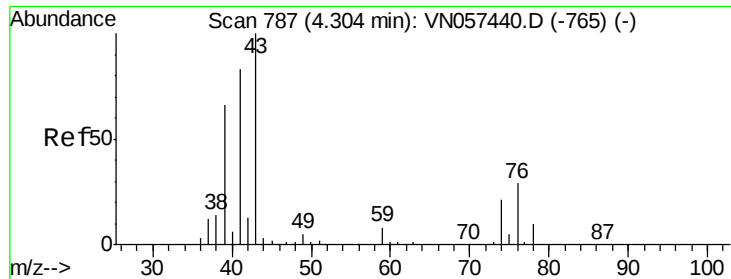
Tgt Ion: 43 Resp: 10891

Ion Ratio Lower Upper

43 100

58 37.1 22.1 33.1#

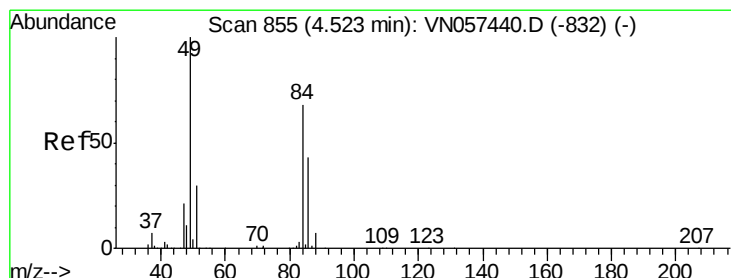
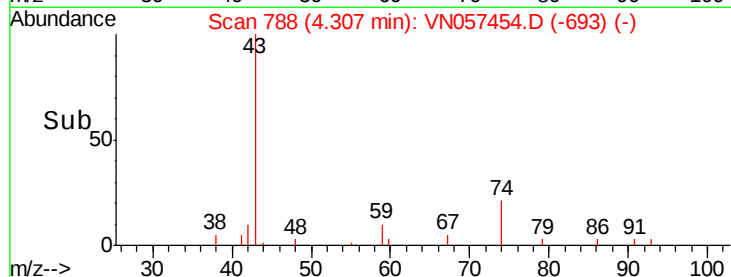
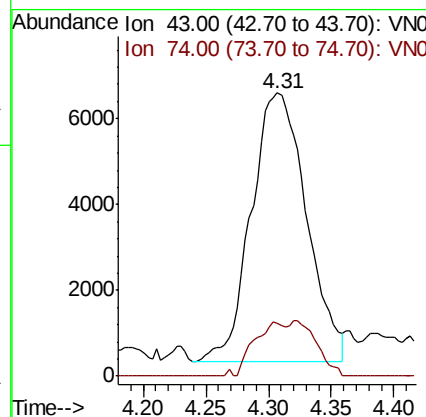
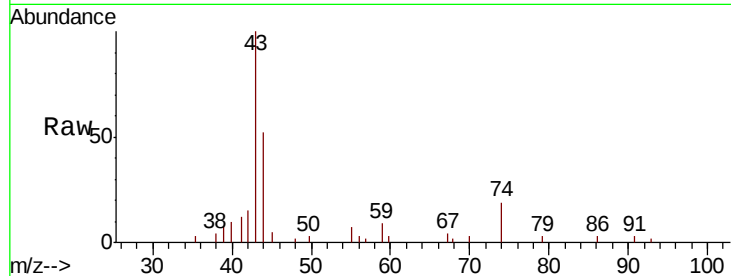




#18
Methyl Acetate
Concen: 1.808 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057454.D
Acq: 23 Aug 2019 00:40

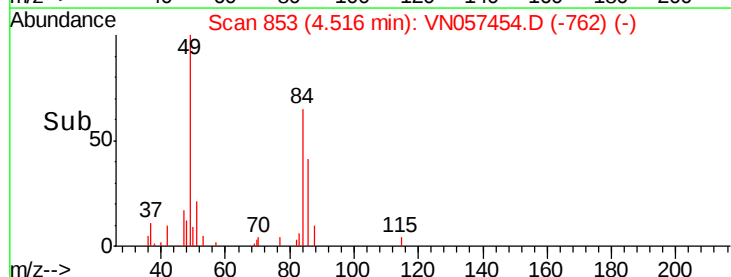
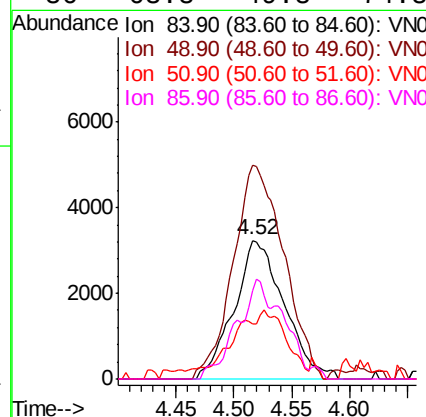
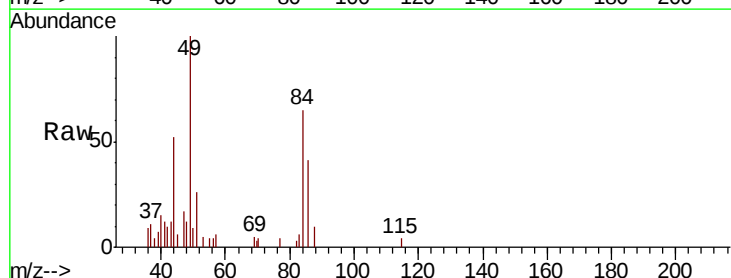
Instrument :
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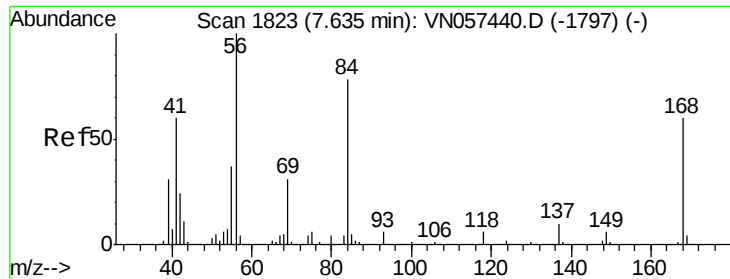
Tgt Ion: 43 Resp: 19196
Ion Ratio Lower Upper
43 100
74 11.2 15.9 23.9#



#20
Methylene Chloride
Concen: 1.933 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN057454.D
Acq: 23 Aug 2019 00:40

Tgt Ion: 84 Resp: 9694
Ion Ratio Lower Upper
84 100
49 154.0 117.0 175.4
51 32.9 35.5 53.3#
86 63.8 49.8 74.8

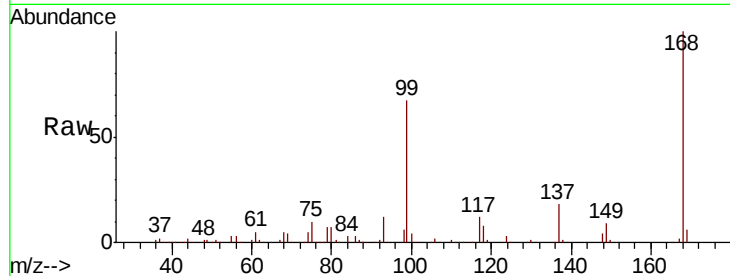




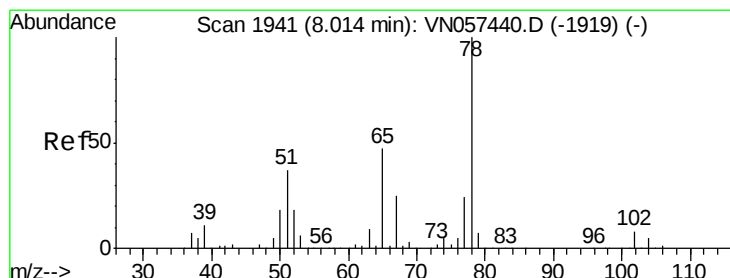
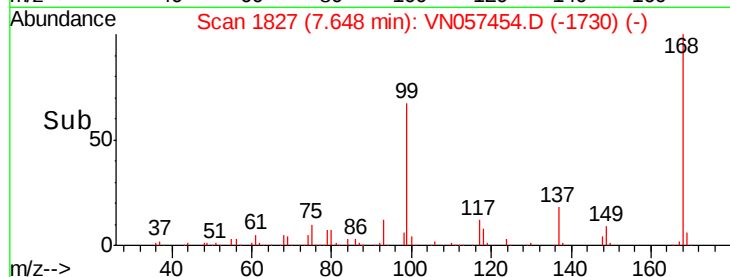
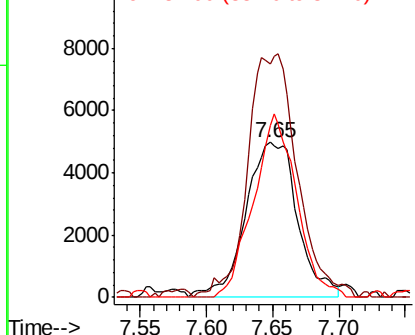
#31
Cyclohexane
Concen: 1.364 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057454.D
Acq: 23 Aug 2019 00:40

Instrument :
MSVOA_N
ClientSampleId :
T1-K1-(0)

Tgt Ion: 56 Resp: 13610
Ion Ratio Lower Upper
56 100
69 146.4 25.0 37.6#
84 110.5 62.5 93.7#

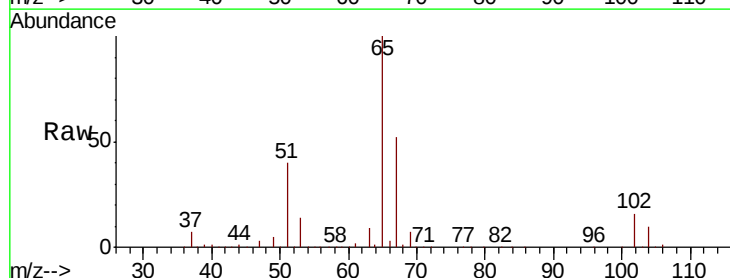


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

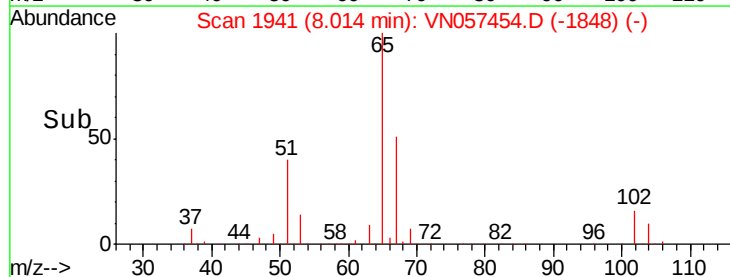
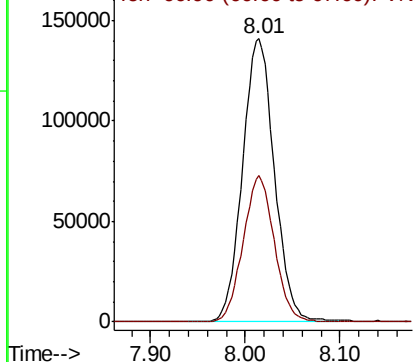


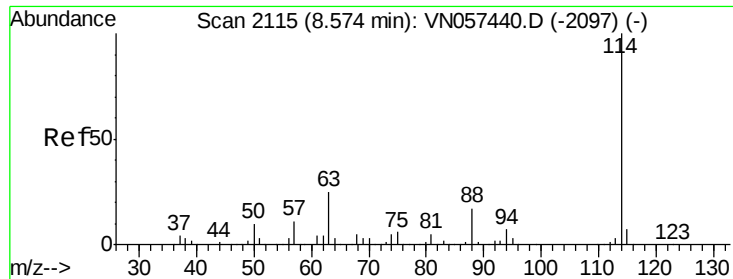
#33
1,2-Dichloroethane-d4
Concen: 46.473 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VN057454.D
Acq: 23 Aug 2019 00:40

Tgt Ion: 65 Resp: 330081
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.8



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

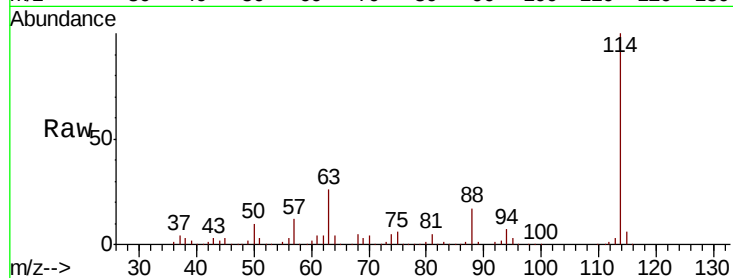




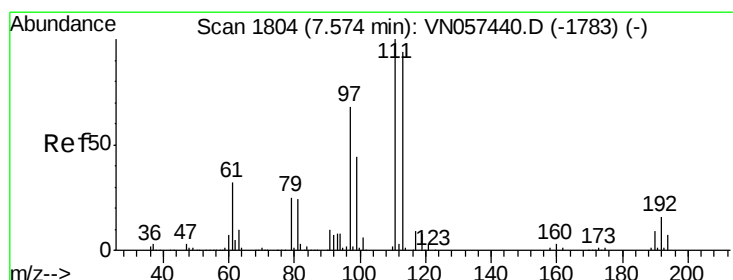
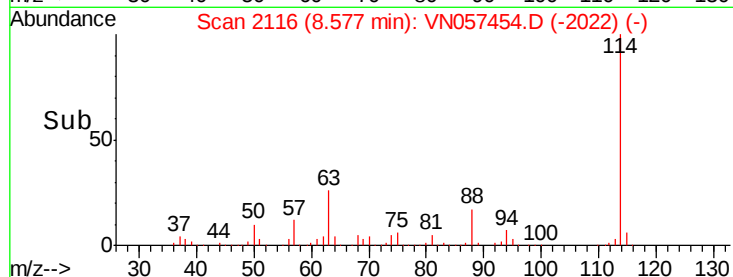
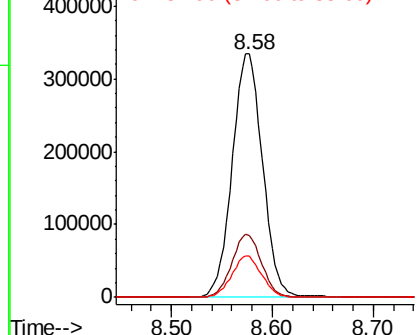
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2116
Delta R.T. 0.00 min
Lab File: VN057454.D
Acq: 23 Aug 2019 00:40

Instrument :
MSVOA_N
ClientSampleId :
T1-K1-(0)

Tgt Ion:114 Resp: 700068
Ion Ratio Lower Upper
114 100
63 25.5 0.0 50.2
88 16.8 0.0 34.6

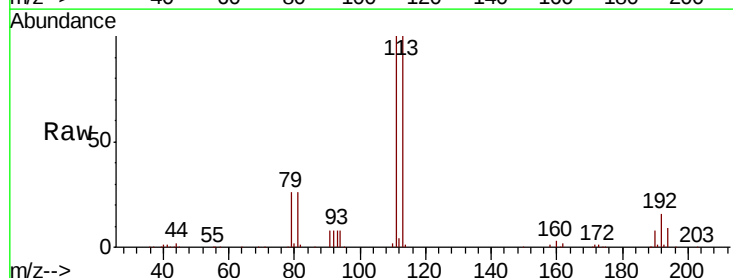


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

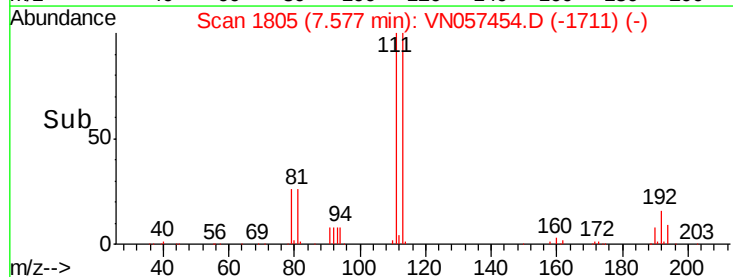
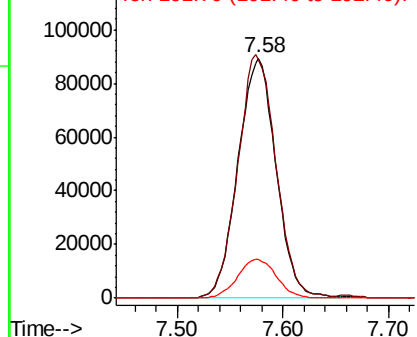


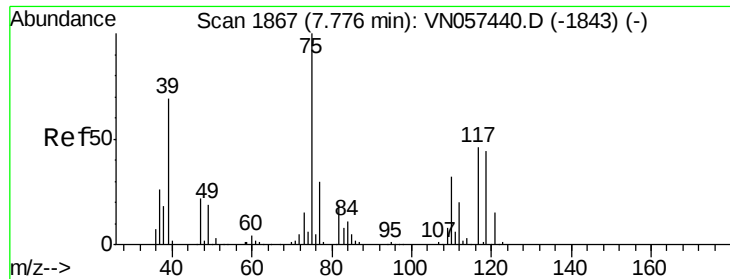
#35
Dibromofluoromethane
Concen: 47.414 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057454.D
Acq: 23 Aug 2019 00:40

Tgt Ion:113 Resp: 224203
Ion Ratio Lower Upper
113 100
111 101.9 83.8 125.6
192 16.7 13.5 20.3



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

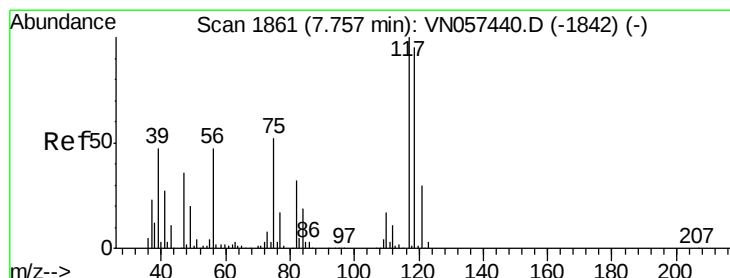
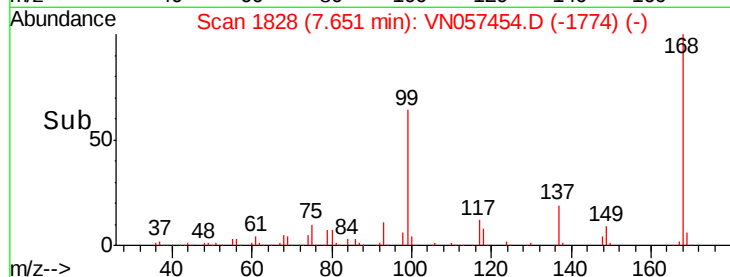
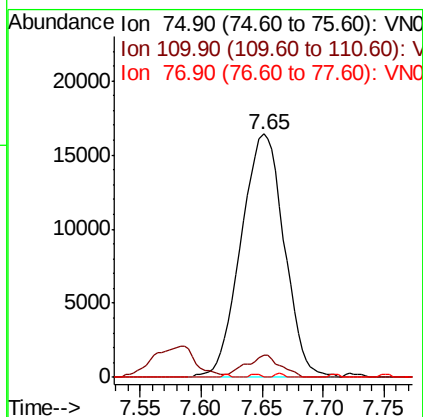
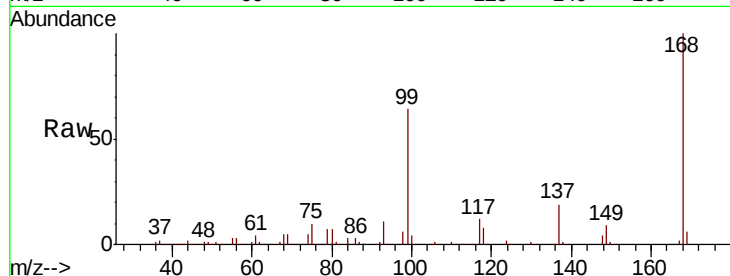




#36
 1,1-Dichloropropene
 Concen: 5.621 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057454.D
 Acq: 23 Aug 2019 00:40

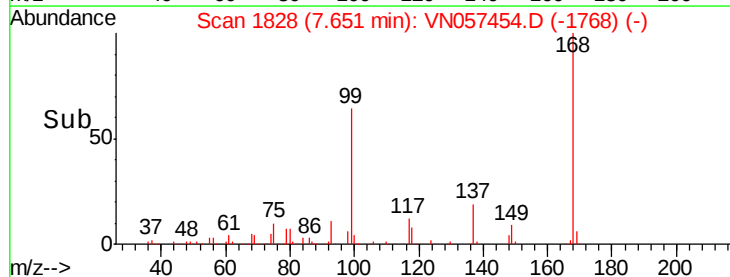
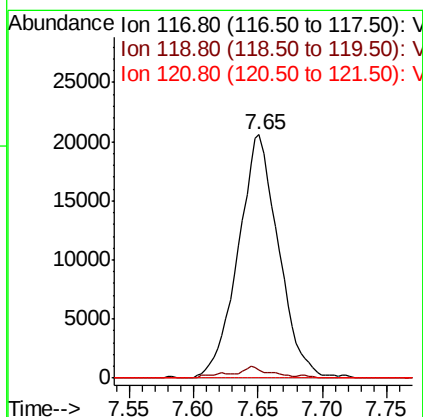
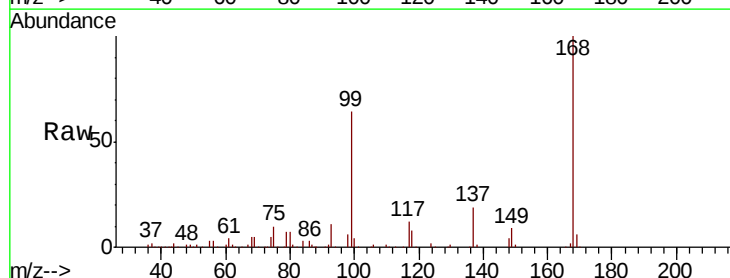
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-K1-(0)

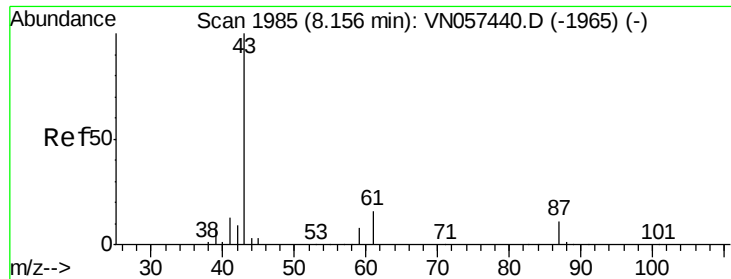
Tgt Ion: 75 Resp: 40206
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.1 48.3#
 77 0.3 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.319 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057454.D
 Acq: 23 Aug 2019 00:40

Tgt Ion: 117 Resp: 44902
 Ion Ratio Lower Upper
 117 100
 119 3.2 76.2 114.4#
 121 0.0 23.8 35.6#





#43

Isopropyl Acetate

Concen: 8.558 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

T1-K1-(0)

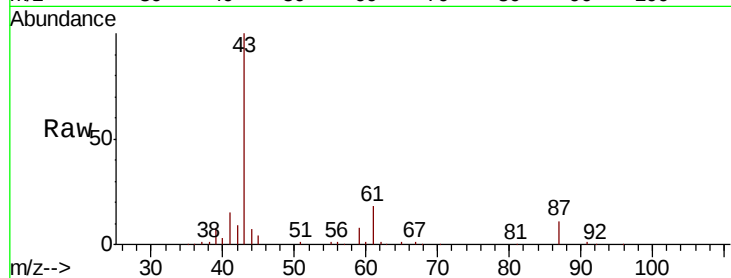
Tgt Ion: 43 Resp: 110921

Ion Ratio Lower Upper

43 100

61 18.0 14.5 21.7

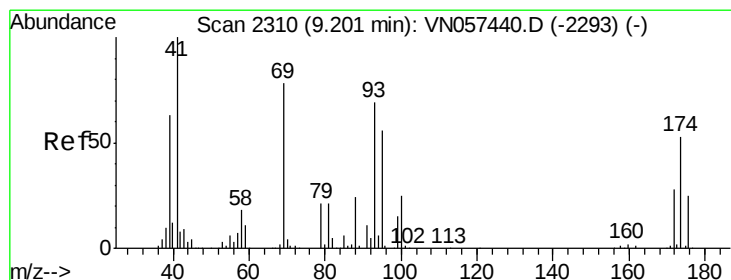
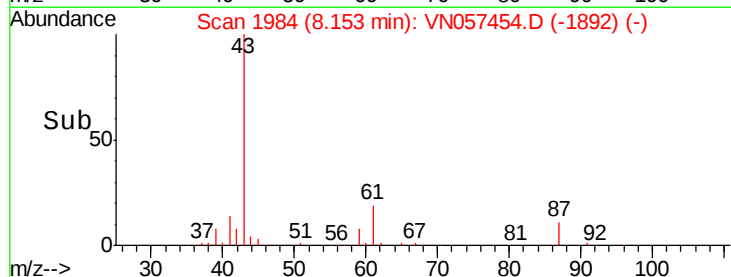
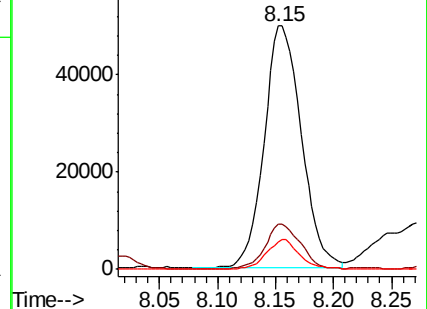
87 10.9 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#46

Dibromomethane

Concen: Below Cal

RT: 9.22 min Scan# 2316

Delta R.T. 0.02 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

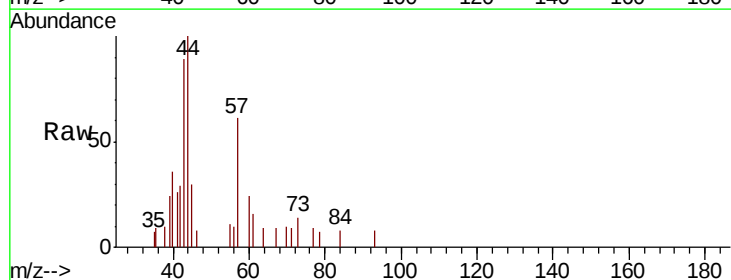
Tgt Ion: 93 Resp: 32

Ion Ratio Lower Upper

93 100

95 0.0 64.7 97.1#

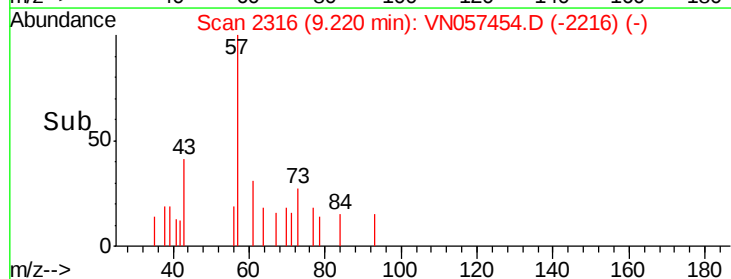
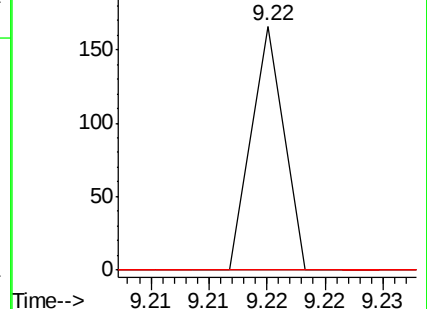
174 0.0 62.3 93.5#

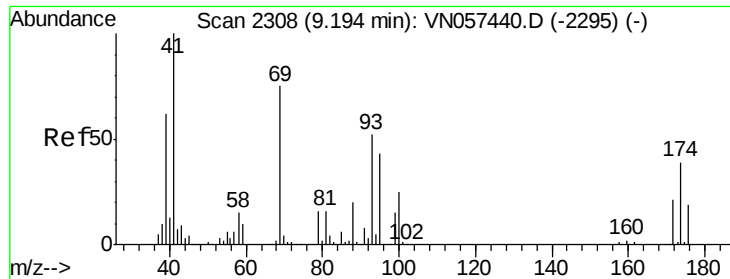


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

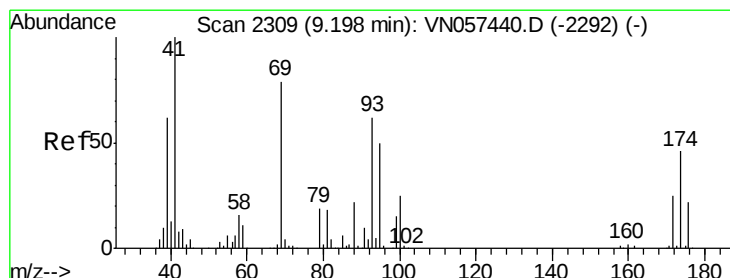
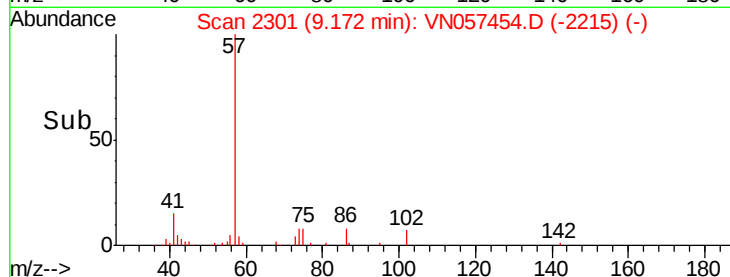
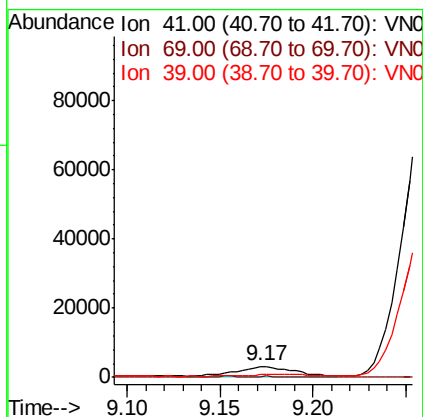
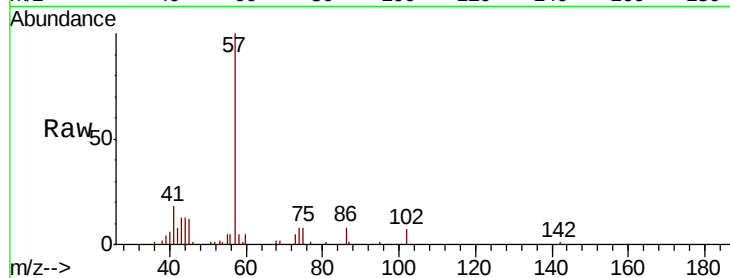




#48
Methyl methacrylate
Concen: 0.988 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057454.D
Acq: 23 Aug 2019 00:40

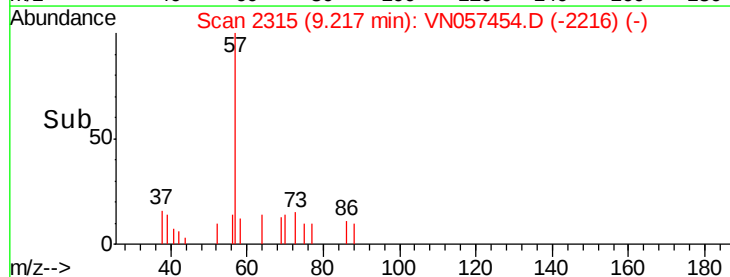
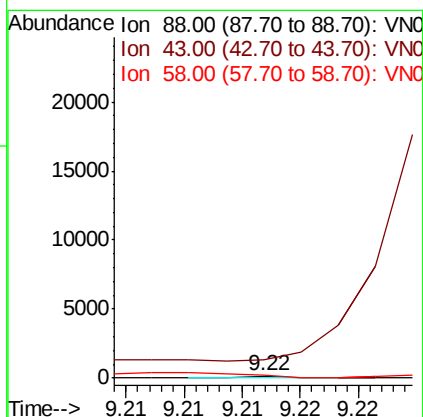
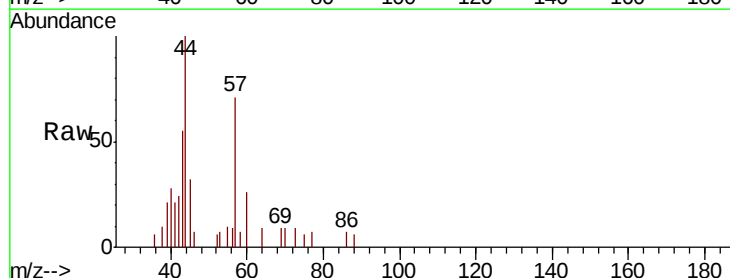
Instrument :
MSVOA_N
ClientSampled :
T1-K1-(0)

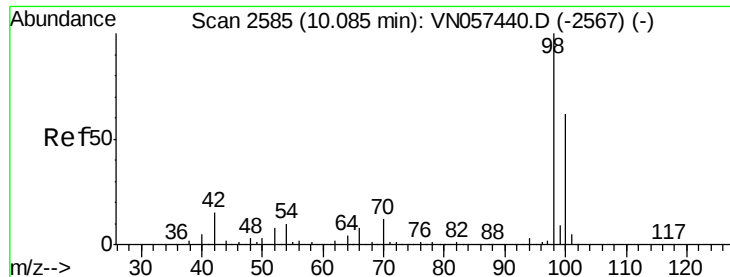
Tgt Ion: 41 Resp: 6092
Ion Ratio Lower Upper
41 100
69 3.3 59.3 88.9#
39 0.0 50.6 75.8#



#49
1,4-Dioxane
Concen: 0.376 ug/l
RT: 9.22 min Scan# 2315
Delta R.T. 0.02 min
Lab File: VN057454.D
Acq: 23 Aug 2019 00:40

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.6#
58 0.0 64.5 96.7#





#50

Toluene-d8

Concen: 49.756 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

Instrument :

MSVOA_N

ClientSampled :

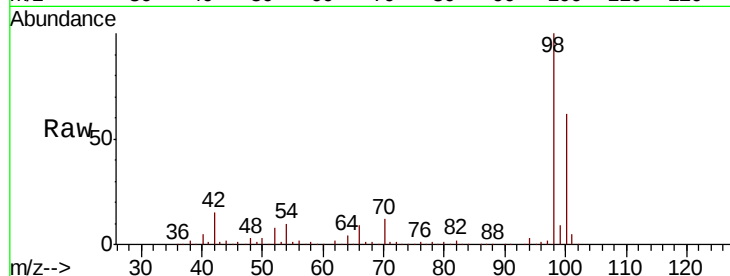
T1-K1-(0)

Tgt Ion: 98 Resp: 889644

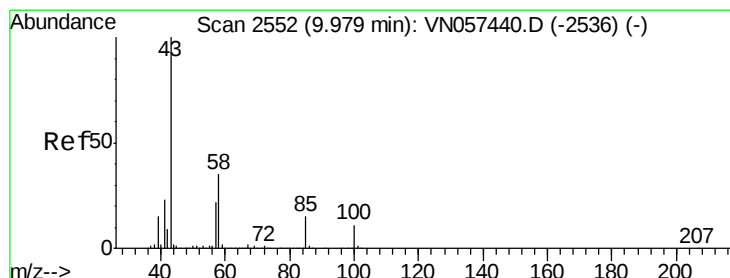
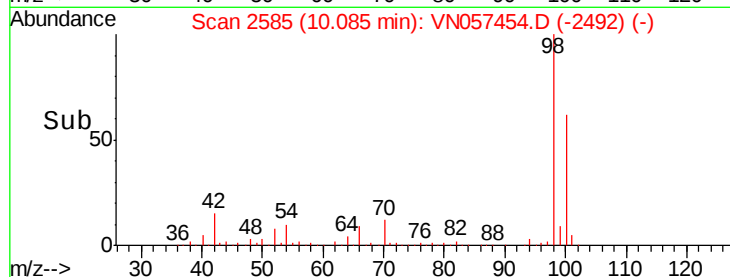
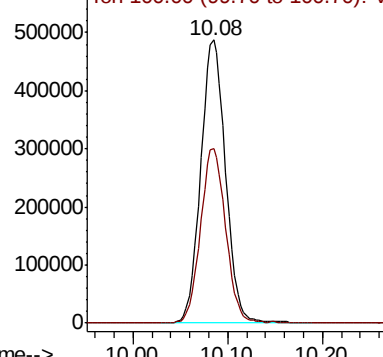
Ion Ratio Lower Upper

98 100

100 62.3 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN057440.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.096 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057454.D

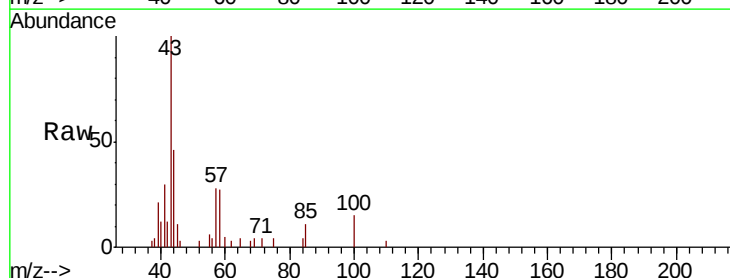
Acq: 23 Aug 2019 00:40

Tgt Ion: 43 Resp: 7914

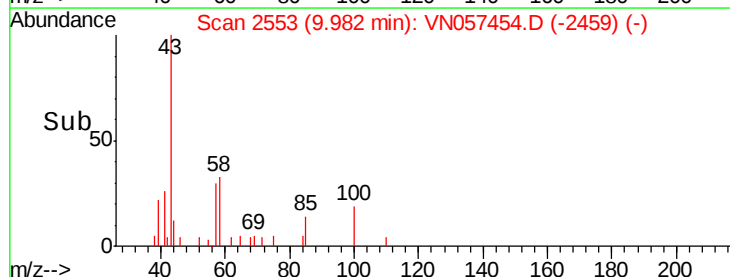
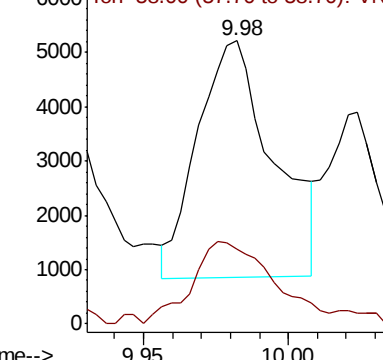
Ion Ratio Lower Upper

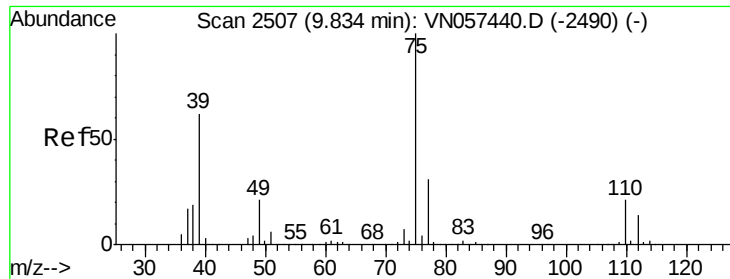
43 100

58 37.2 27.9 41.9



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-2536) (-)





#54

cis-1,3-Dichloropropene

Concen: 4.540 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

T1-K1-(0)

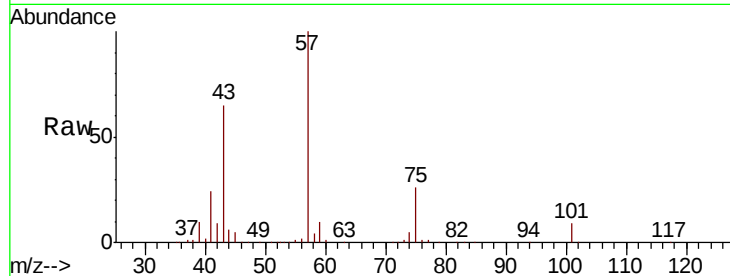
Tgt Ion: 75 Resp: 42236

Ion Ratio Lower Upper

75 100

77 2.0 25.0 37.6#

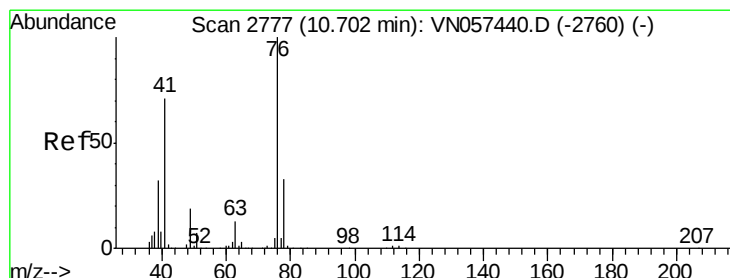
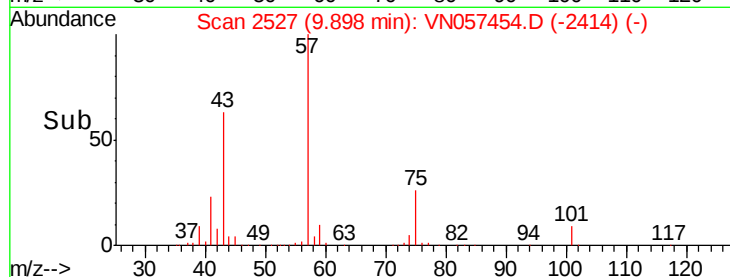
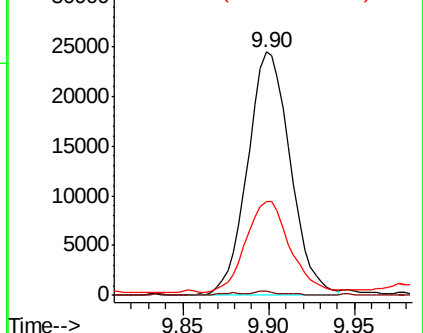
39 36.4 49.2 73.8#



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: 0.799 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057454.D

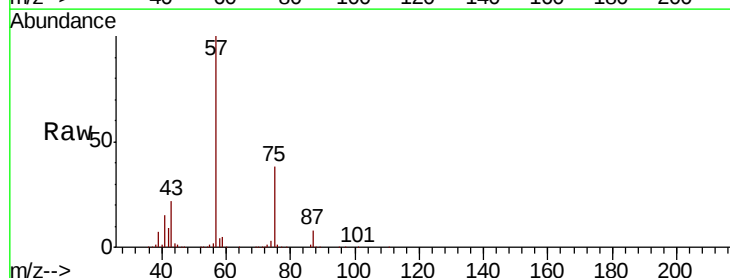
Acq: 23 Aug 2019 00:40

Tgt Ion: 76 Resp: 6963

Ion Ratio Lower Upper

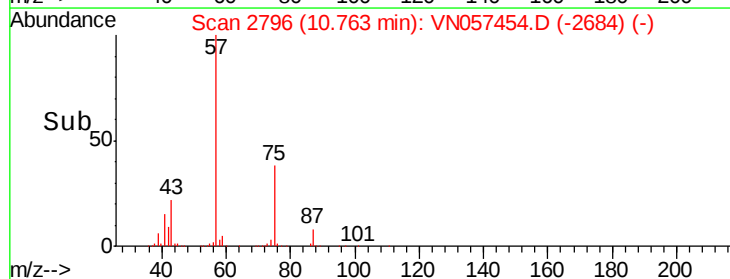
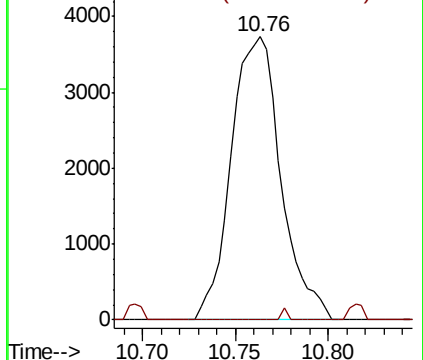
76 100

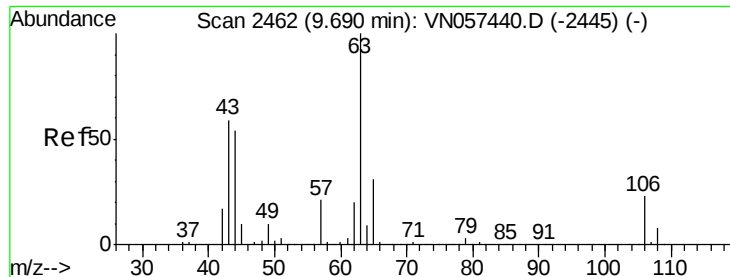
78 0.4 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

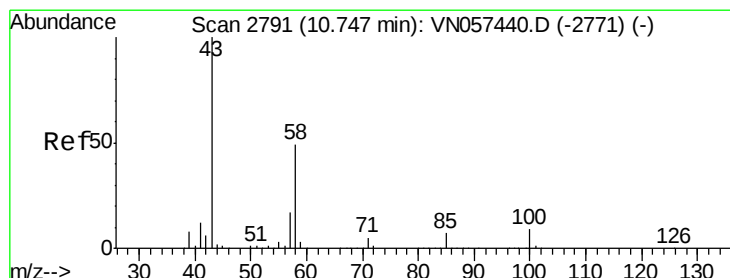
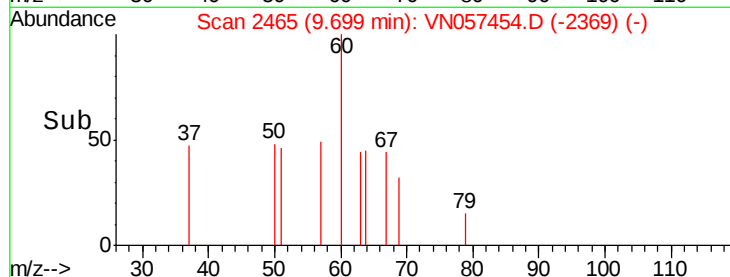
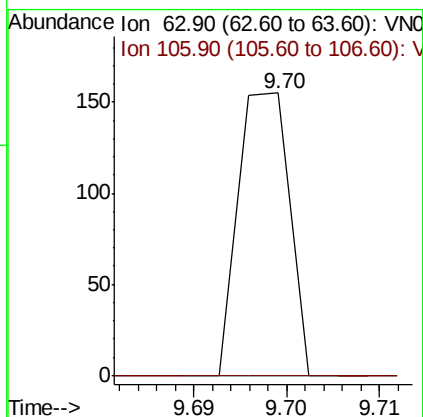
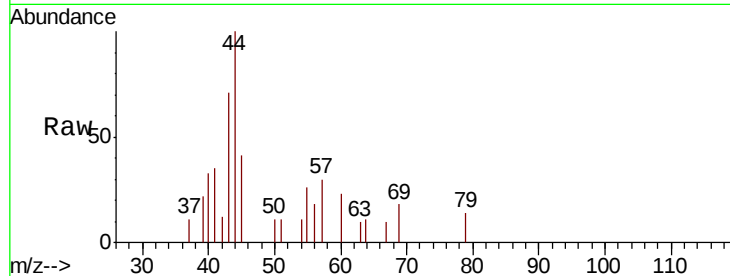




#58
2-Chloroethyl Vinyl ether
Concen: 17.090 ug/l
RT: 9.70 min Scan# 2465
Delta R.T. 0.01 min
Lab File: VN057454.D
Acq: 23 Aug 2019 00:40

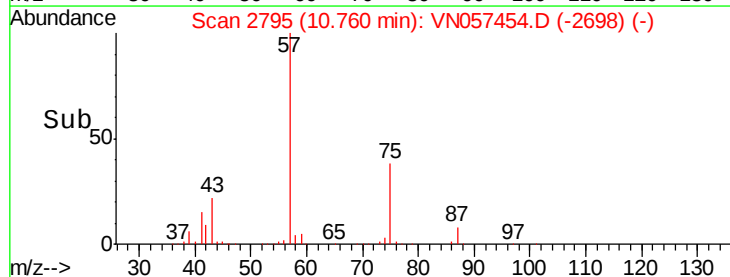
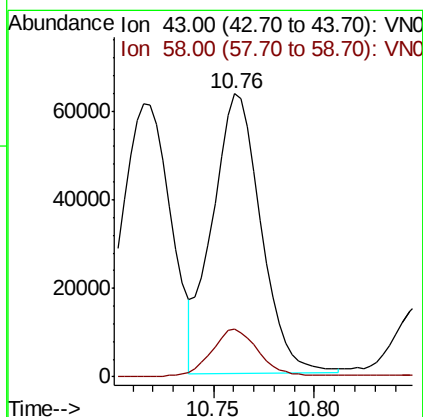
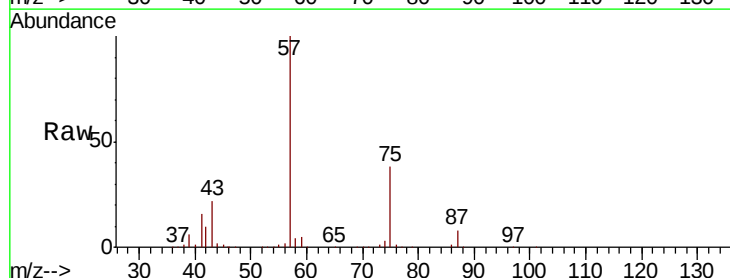
Instrument :
MSVOA_N
ClientSampled :
T1-K1-(0)

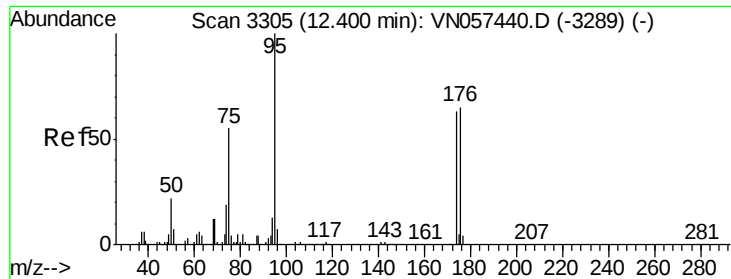
Tgt Ion: 63 Resp: 60
Ion Ratio Lower Upper
63 100
106 0.0 18.6 27.8#



#59
2-Hexanone
Concen: 21.385 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN057454.D
Acq: 23 Aug 2019 00:40

Tgt Ion: 43 Resp: 105947
Ion Ratio Lower Upper
43 100
58 17.0 24.6 73.6#





#62

4-Bromofluorobenzene

Concen: 37.690 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

T1-K1-(0)

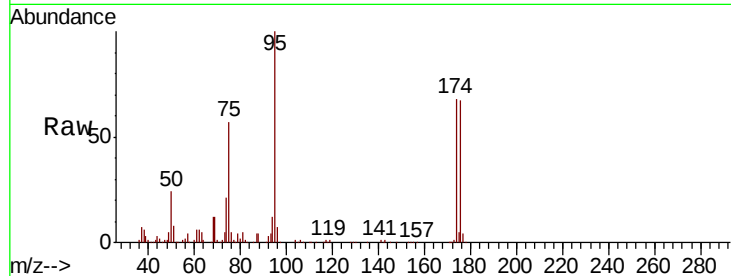
Tgt Ion: 95 Resp: 228376

Ion Ratio Lower Upper

95 100

174 68.8 0.0 133.0

176 66.8 0.0 130.8



Abundance Ion 94.90 (94.60 to 95.60): VN057440.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN057440.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN057440.D (-3289) (-)

12.40

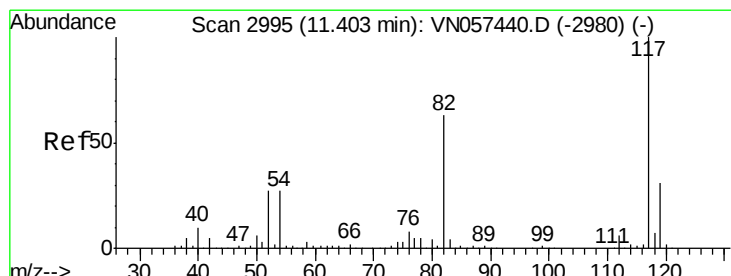
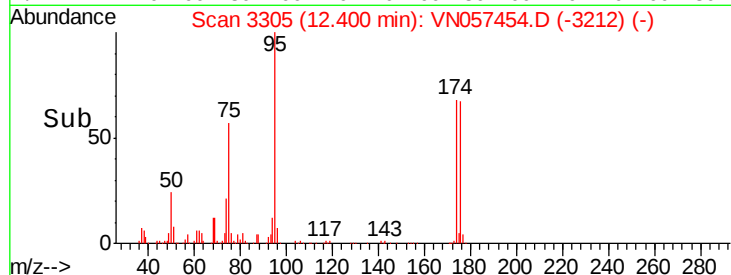
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

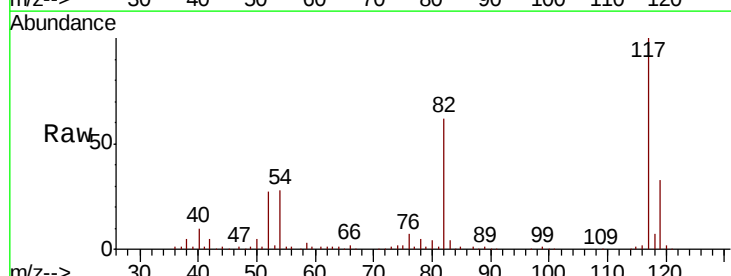
Tgt Ion: 117 Resp: 559390

Ion Ratio Lower Upper

117 100

82 61.6 50.6 75.8

119 32.7 24.6 36.8



Abundance Ion 116.90 (116.60 to 117.60): VN057440.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN057440.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN057440.D (-2980) (-)

11.41

400000

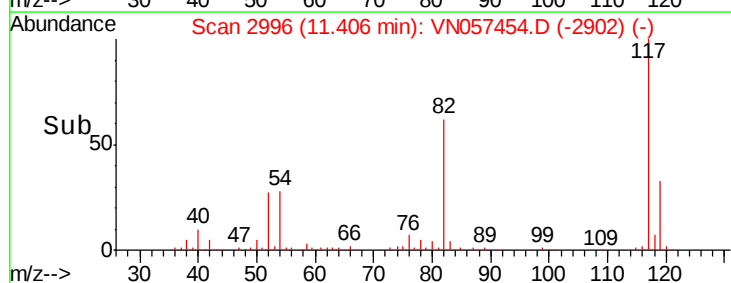
300000

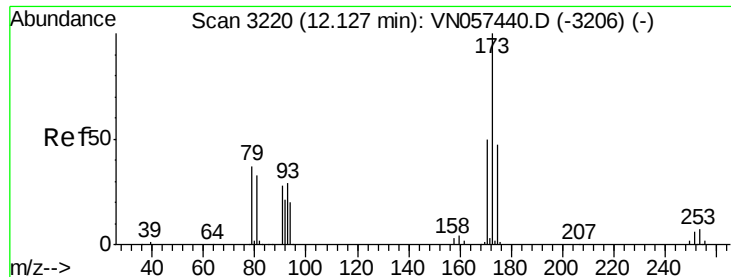
200000

100000

0

Time--> 11.30 11.40 11.50

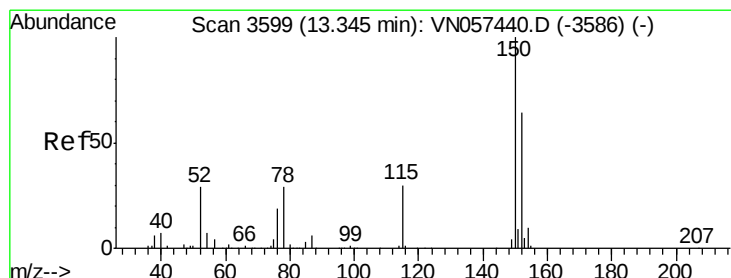
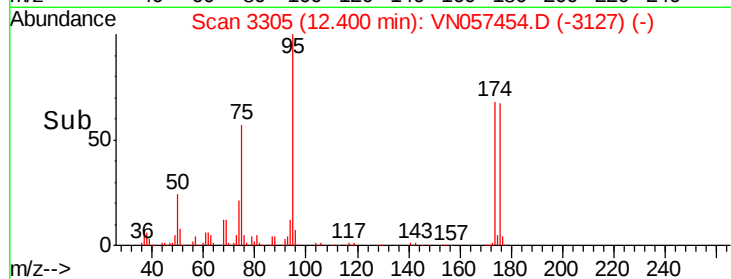
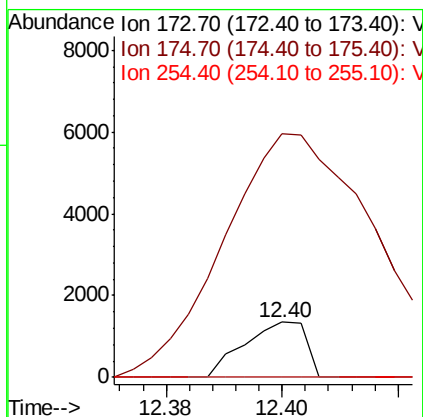
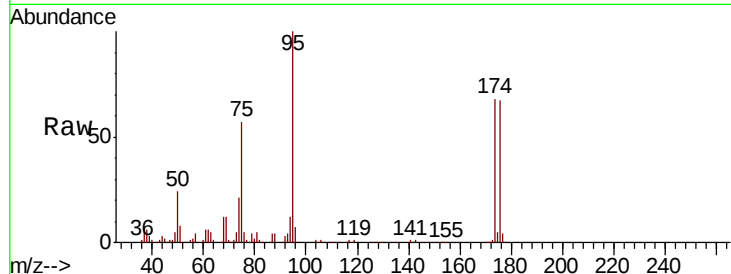




#71
Bromoform
Concen: 0.338 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN057454.D
Acq: 23 Aug 2019 00:40

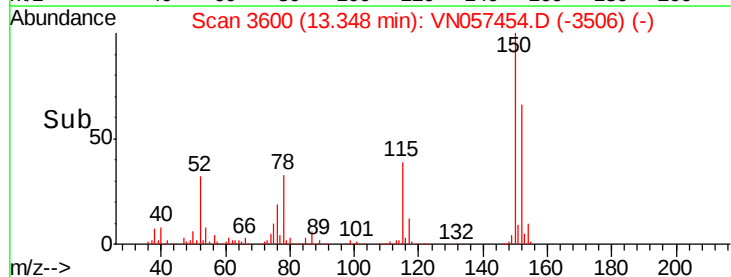
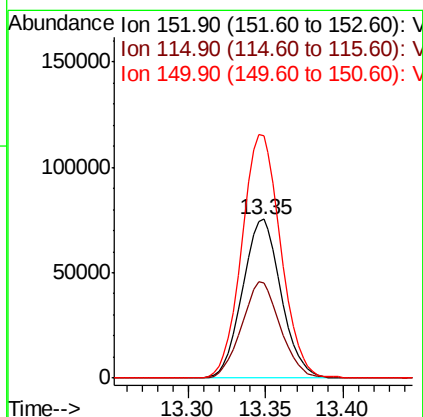
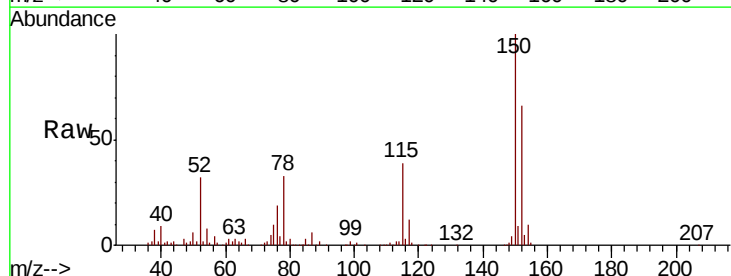
Instrument :
MSVOA_N
ClientSampleId :
T1-K1-(0)

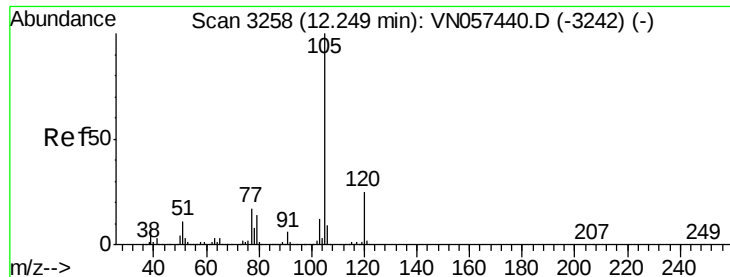
Tgt Ion:173 Resp: 992
Ion Ratio Lower Upper
173 100
175 884.7 23.9 71.8#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057454.D
Acq: 23 Aug 2019 00:40

Tgt Ion:152 Resp: 130820
Ion Ratio Lower Upper
152 100
115 60.6 32.0 96.0
150 154.7 0.0 346.6





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.24 min Scan# 3256

Delta R.T. -0.01 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

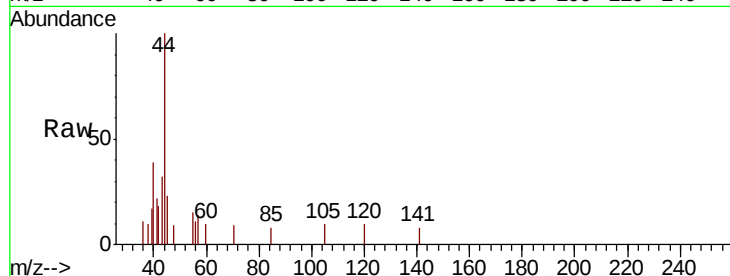
T1-K1-(0)

Tgt Ion: 105 Resp: 270

Ion Ratio Lower Upper

105 100

120 35.2 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

200

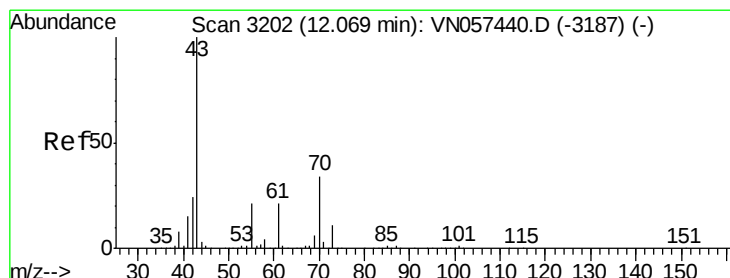
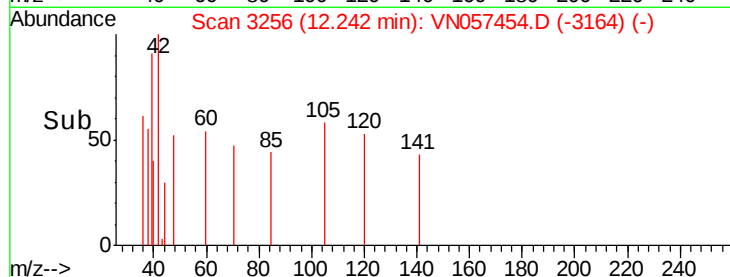
150

100

50

0

Time--> 12.20 12.22 12.24 12.26



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.04 min Scan# 3192

Delta R.T. -0.03 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

Tgt Ion: 43 Resp: 6688

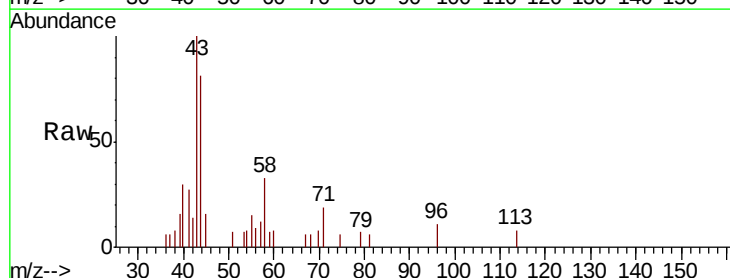
Ion Ratio Lower Upper

43 100

70 1.8 27.8 41.6#

55 1.9 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

12.04

4000

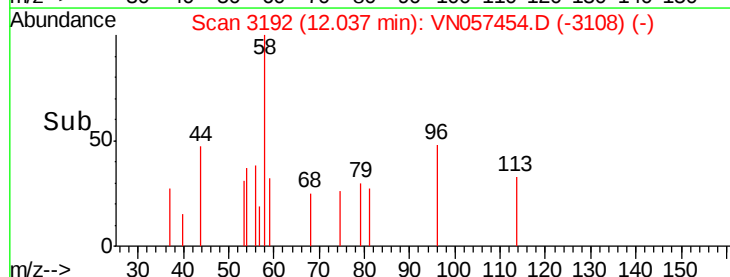
3000

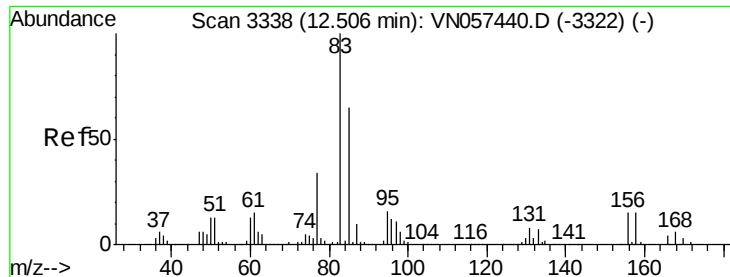
2000

1000

0

Time--> 12.00 12.10

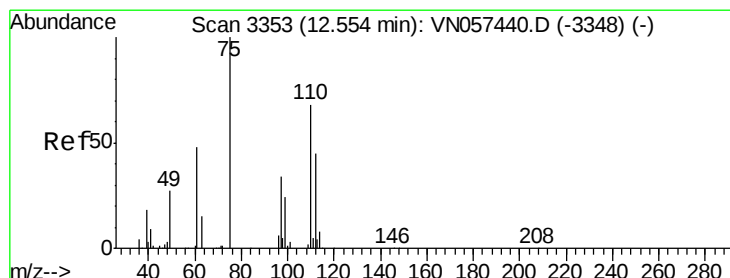
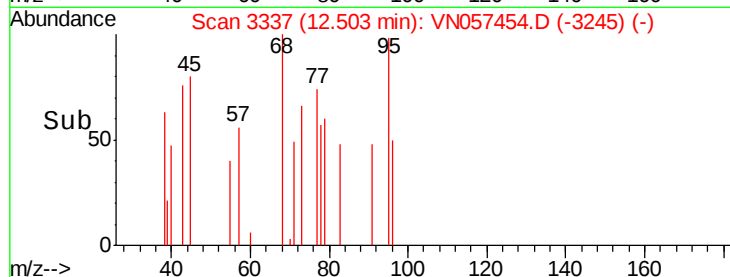
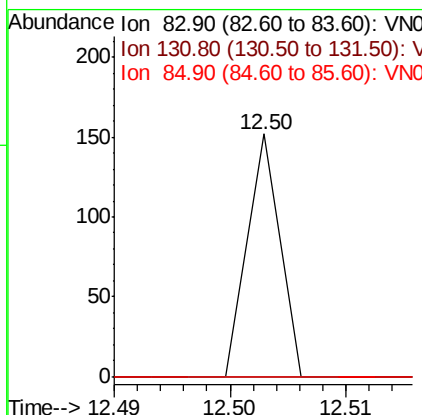
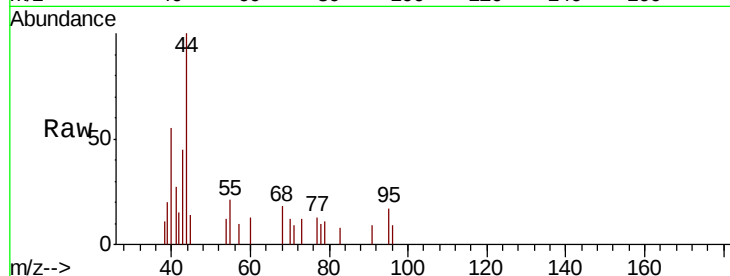




#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN057454.D
 Acq: 23 Aug 2019 00:40

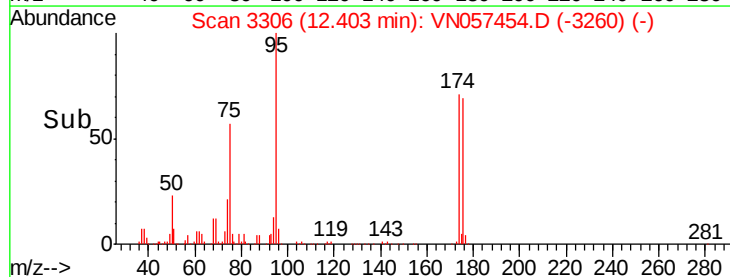
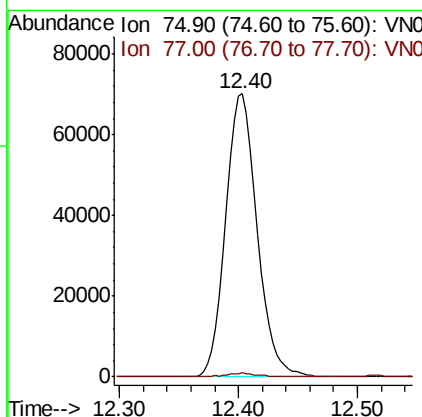
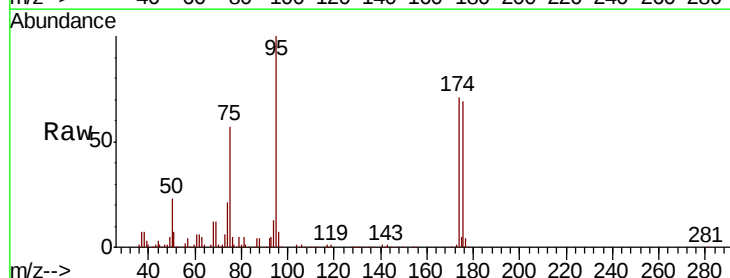
Instrument :
 MSVOA_N
 ClientSampled :
 T1-K1-(0)

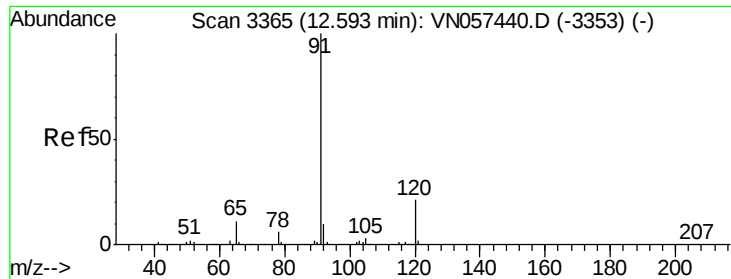
Tgt Ion: 83 Resp: 29
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.3 13.1#
 85 0.0 32.3 96.8#



#76
 1,2,3-Trichloropropane
 Concen: 43.985 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN057454.D
 Acq: 23 Aug 2019 00:40

Tgt Ion: 75 Resp: 128664
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#78

n-propylbenzene

Concen: Below Cal

RT: 12.58 min Scan# 3361

Delta R.T. -0.01 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

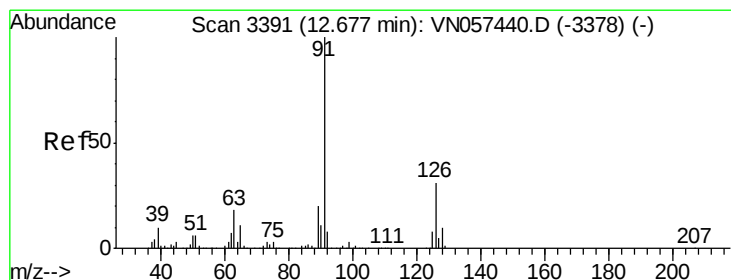
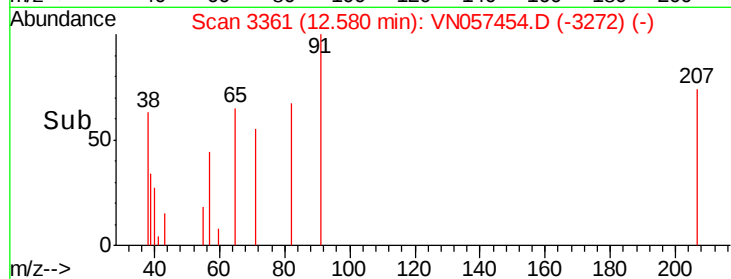
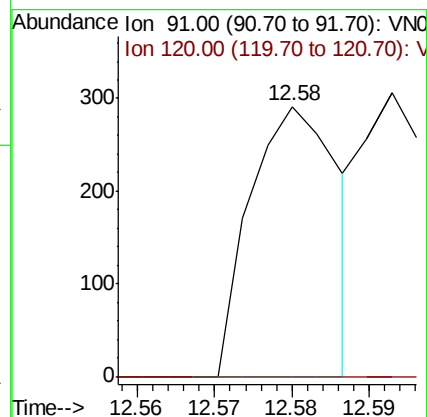
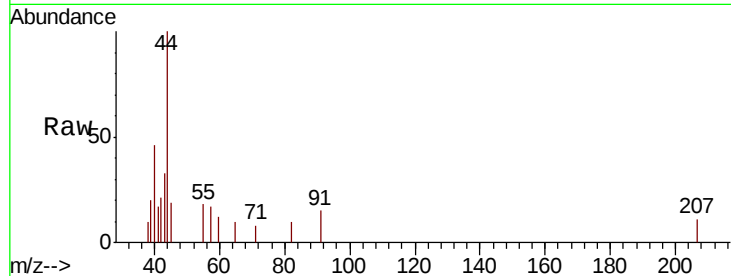
T1-K1-(0)

Tgt Ion: 91 Resp: 230

Ion Ratio Lower Upper

91 100

120 0.0 10.7 32.1#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VN057454.D

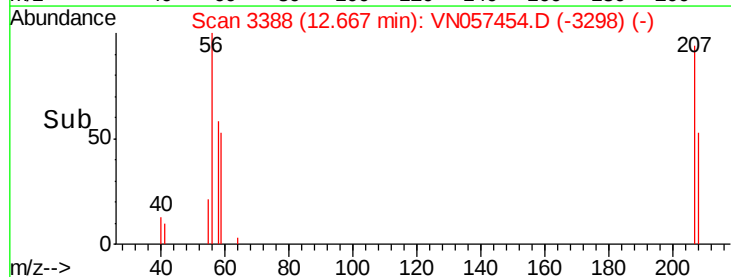
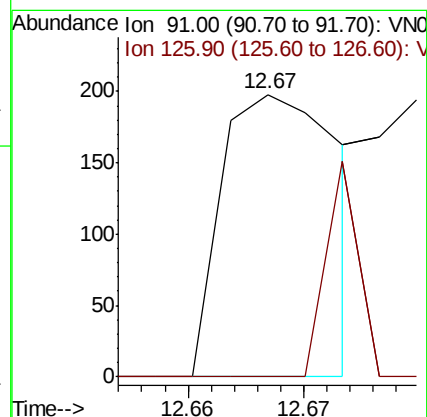
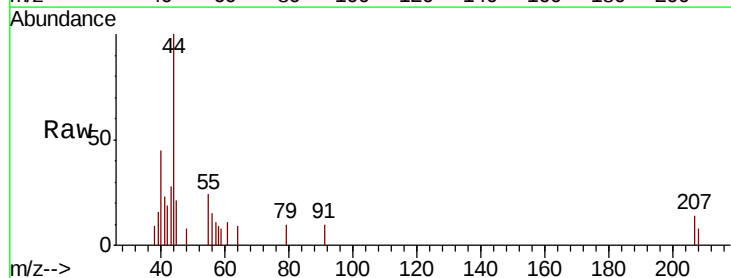
Acq: 23 Aug 2019 00:40

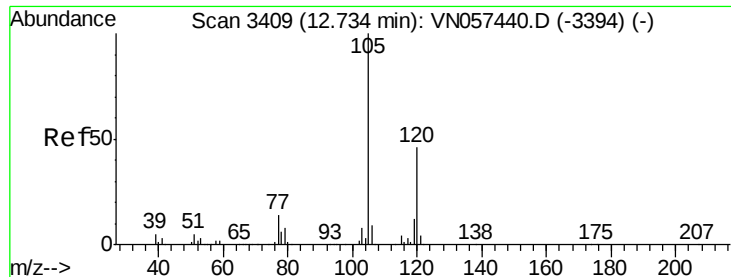
Tgt Ion: 91 Resp: 140

Ion Ratio Lower Upper

91 100

126 20.7 15.3 45.8

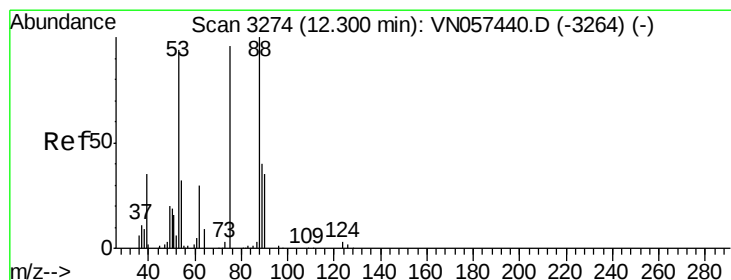
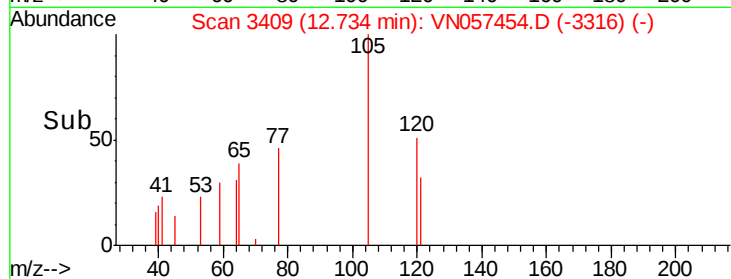
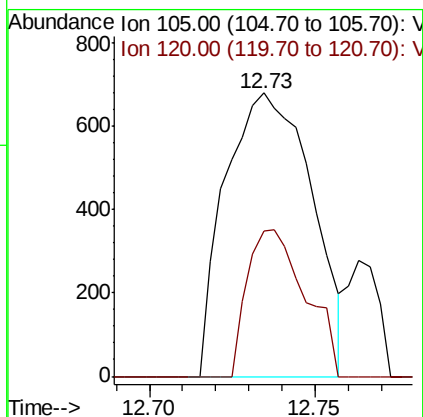
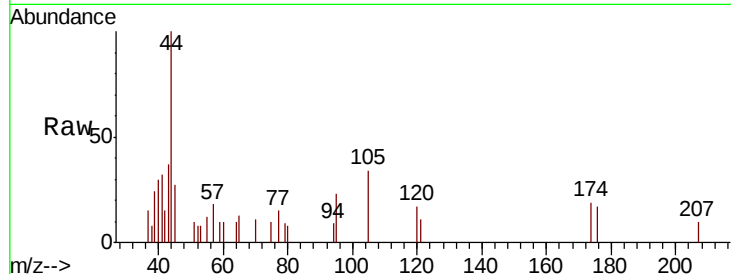




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057454.D
 Acq: 23 Aug 2019 00:40

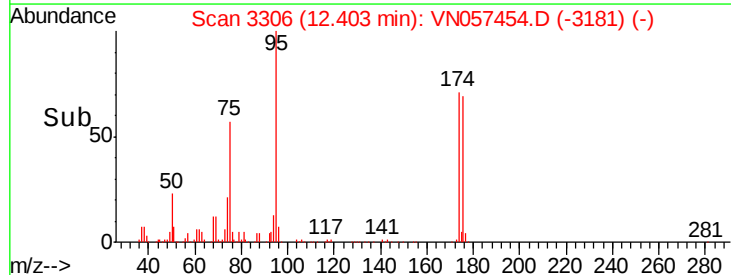
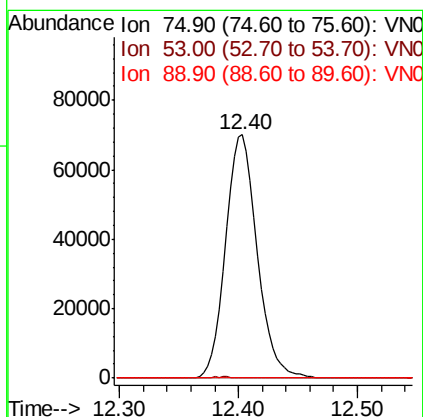
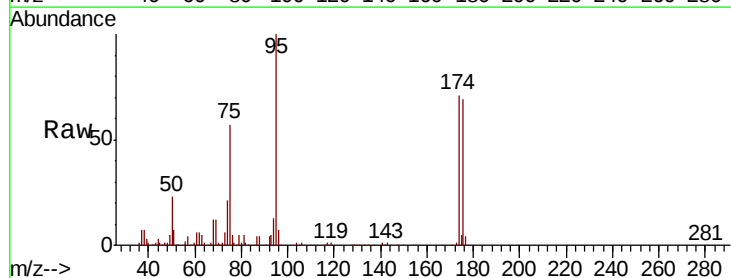
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-K1-(0)

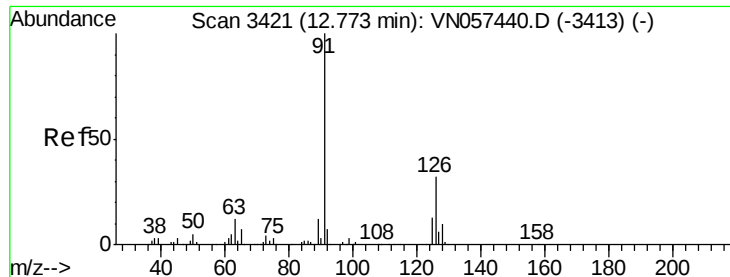
Tgt Ion: 105 Resp: 1232
 Ion Ratio Lower Upper
 105 100
 120 34.7 23.3 69.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.895 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057454.D
 Acq: 23 Aug 2019 00:40

Tgt Ion: 75 Resp: 128664
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.7 124.1#
 89 0.0 35.8 53.8#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3388

Delta R.T. -0.11 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

Instrument :

MSVOA_N

ClientSampled :

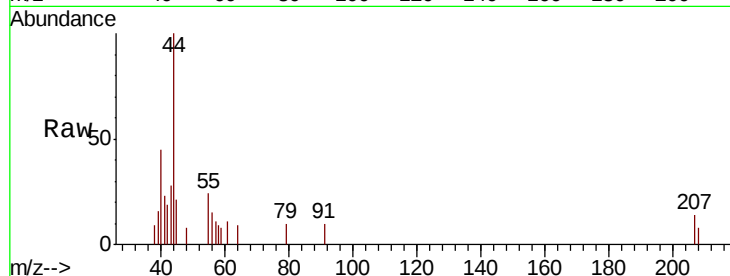
T1-K1-(0)

Tgt Ion: 91 Resp: 140

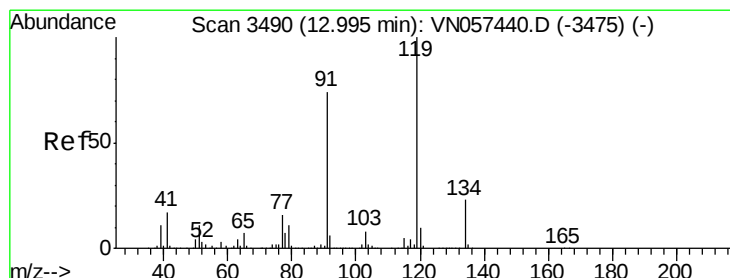
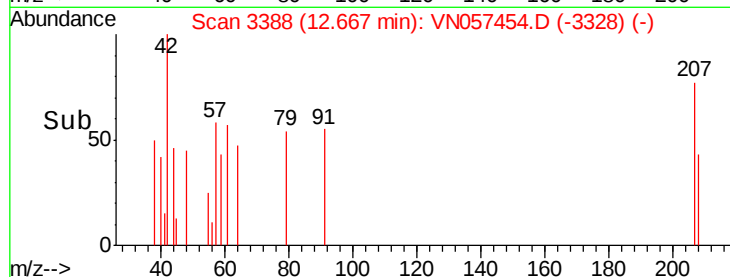
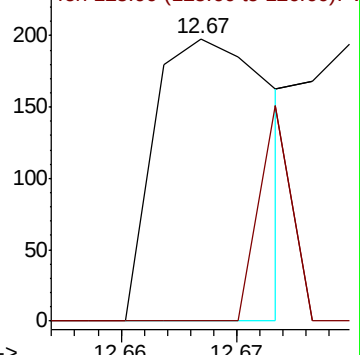
Ion Ratio Lower Upper

91 100

126 20.7 15.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN057440.D (-3413) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3493

Delta R.T. 0.01 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

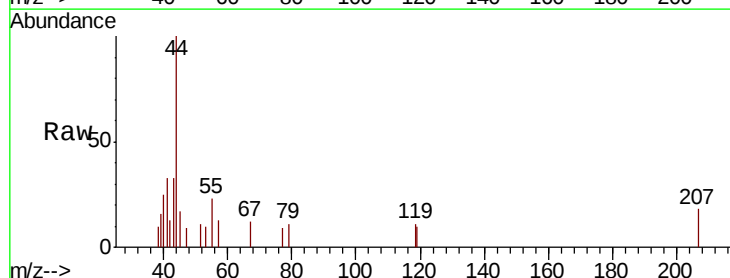
Tgt Ion: 119 Resp: 275

Ion Ratio Lower Upper

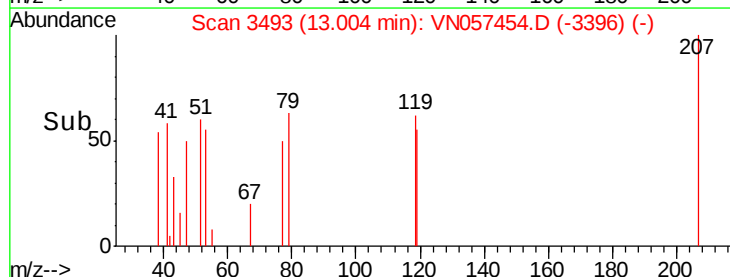
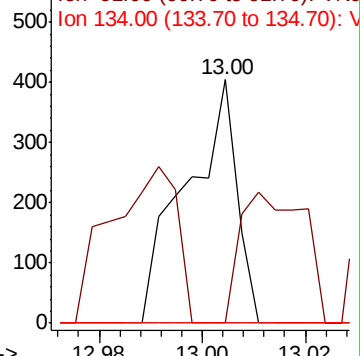
119 100

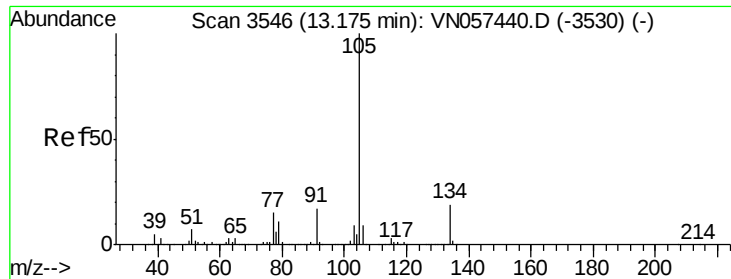
91 67.6 37.0 111.0

134 0.0 12.2 36.6#



Abundance Ion 119.00 (118.70 to 119.70): VN057440.D (-3475) (-)

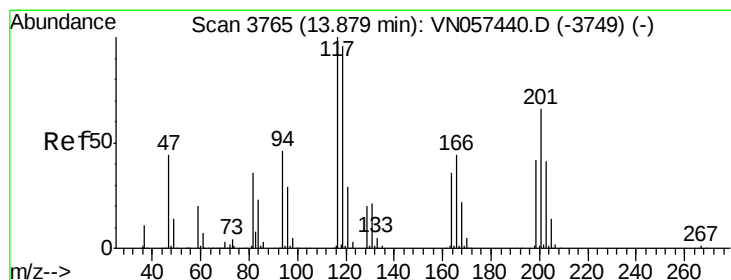
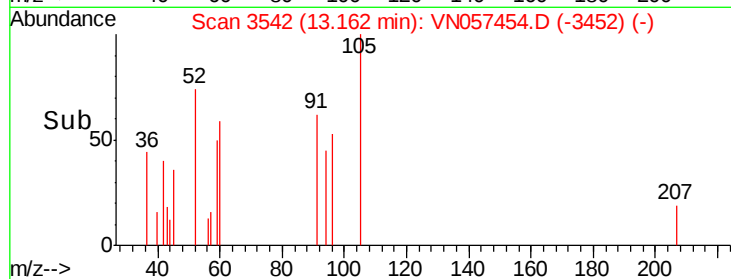
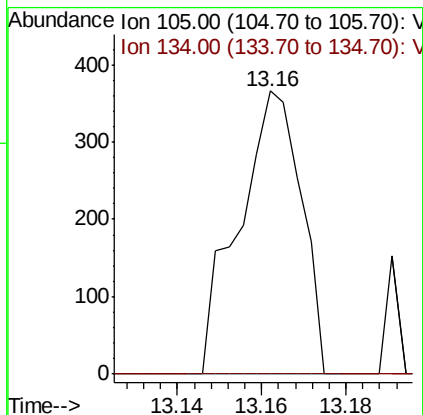
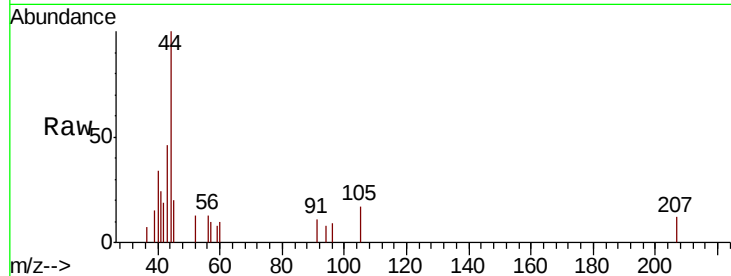




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.16 min Scan# 3542
 Delta R.T. -0.01 min
 Lab File: VN057454.D
 Acq: 23 Aug 2019 00:40

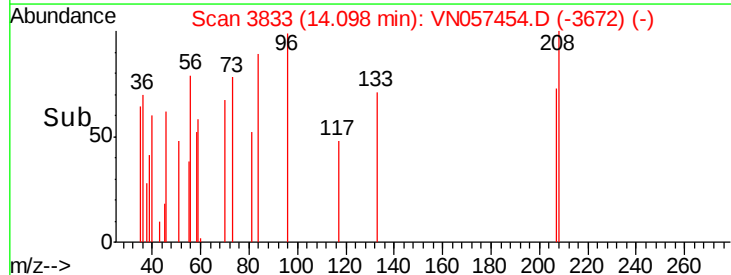
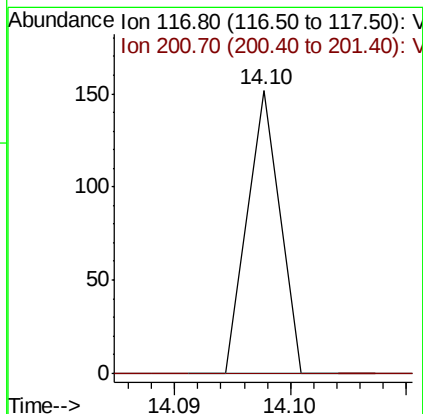
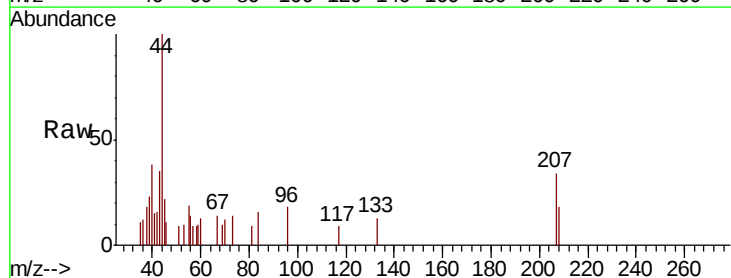
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-K1-(0)

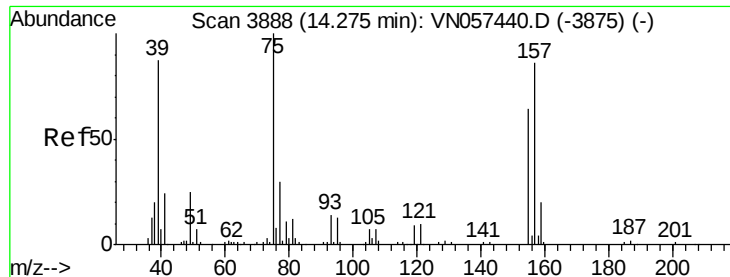
Tgt Ion:105 Resp: 375
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 27.9#



#90
 Hexachloroethane
 Concen: Below Cal
 RT: 14.10 min Scan# 3833
 Delta R.T. 0.22 min
 Lab File: VN057454.D
 Acq: 23 Aug 2019 00:40

Tgt Ion:117 Resp: 29
 Ion Ratio Lower Upper
 117 100
 201 0.0 33.1 99.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.18 min Scan# 3858

Delta R.T. -0.10 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

T1-K1-(0)

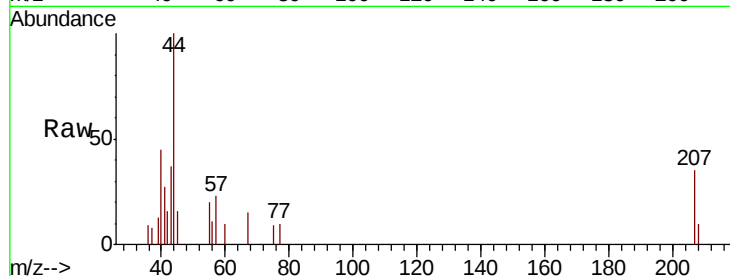
Tgt Ion: 75 Resp: 65

Ion Ratio Lower Upper

75 100

155 0.0 31.6 94.7#

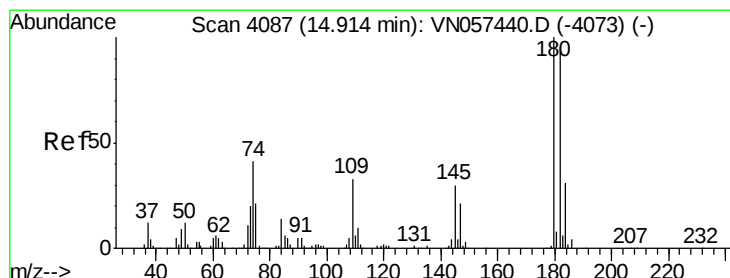
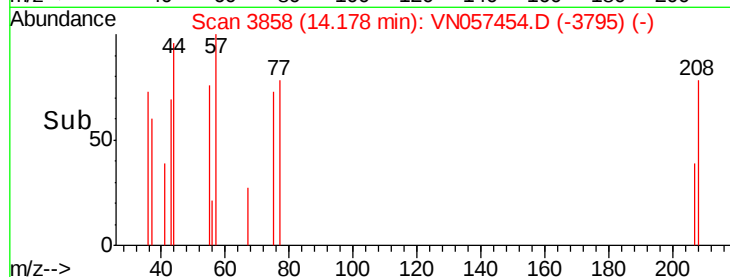
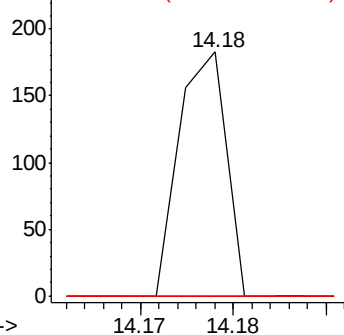
157 0.0 43.3 129.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 5.480 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

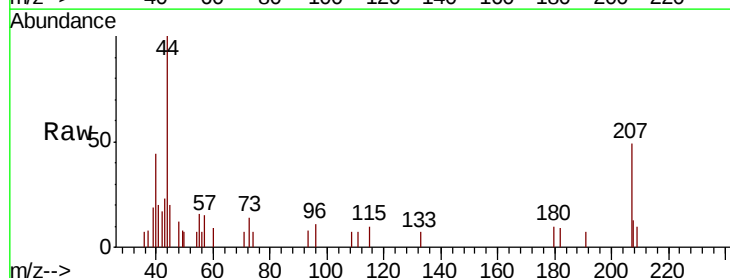
Tgt Ion: 180 Resp: 198

Ion Ratio Lower Upper

180 100

182 119.2 46.7 140.1

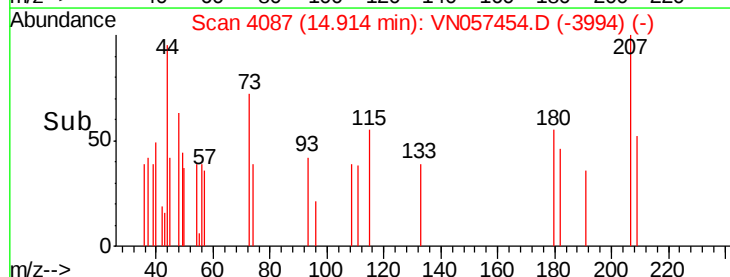
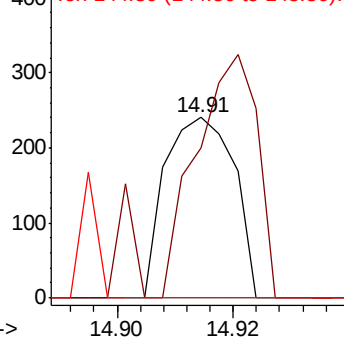
145 0.0 15.6 46.8#

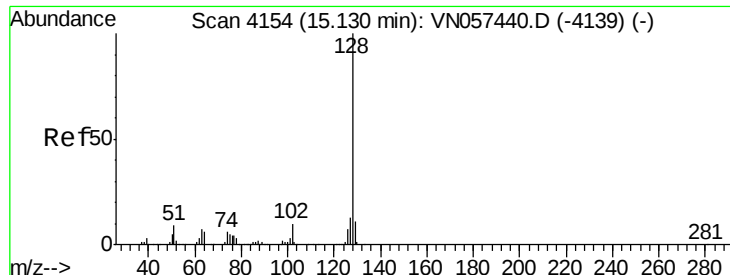


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 4.530 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057454.D

Acq: 23 Aug 2019 00:40

Instrument :

MSVOA_N

ClientSampleId :

T1-K1-(0)

Tgt Ion:128 Resp: 1084

Ion Ratio Lower Upper

128 100

127 2.8 10.5 15.7#

129 0.0 8.6 13.0#

