

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082419\
 Data File : VN057488.D
 Acq On : 23 Aug 2019 22:10
 Operator : JC/SP
 Sample : K4472-32
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T2-S3(2.5)

Quant Time: Aug 26 05:15:08 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	394490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	691756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	565612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	142858	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	324481	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
35) Dibromofluoromethane	7.58	113	219308	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
50) Toluene-d8	10.08	98	854574	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	12.40	95	238447	39.83	ug/l	0.00
Spiked Amount			Recovery	=	79.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.58	74	63	Below Cal		82
9) 1,1,2-Trichlorotrifluoroet	3.73	101	225	Below Cal	#	62
11) Tert butyl alcohol	4.73	59	1282	1.487	ug/l #	85
13) Acrolein	3.60	56	438	0.578	ug/l #	69
16) Acetone	3.80	43	16078	5.045	ug/l #	87
18) Methyl Acetate	4.31	43	9556	0.444	ug/l #	81
20) Methylene Chloride	4.52	84	9407	1.919	ug/l	91
29) Tetrahydrofuran	7.20	42	617	0.270	ug/l #	48
31) Cyclohexane	7.65	56	13561	1.391	ug/l #	14
36) 1,1-Dichloropropene	7.65	75	41262	5.838	ug/l #	50
38) Carbon Tetrachloride	7.65	117	43713	6.225	ug/l #	15
43) Isopropyl Acetate	8.16	43	101133	7.897	ug/l	98
48) Methyl methacrylate	9.18	41	4786	0.786	ug/l #	17
49) 1,4-Dioxane	9.26	88	75	0.952	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	6039	0.846	ug/l #	87
54) cis-1,3-Dichloropropene	9.90	75	39495	4.296	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	5852	0.680	ug/l #	45
58) 2-Chloroethyl Vinyl ether	9.60	63	36	17.080	ug/l #	52
59) 2-Hexanone	10.76	43	92216	18.837	ug/l #	54
73) Isopropylbenzene	12.40	105	250	Below Cal	#	50
74) N-amyl acetate	12.04	43	3197	Below Cal	#	55
75) 1,1,2,2-Tetrachloroethane	12.46	83	95	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	144118	45.220	ug/l #	100
78) n-propylbenzene	12.60	91	320	Below Cal	#	55
79) 2-Chlorotoluene	12.73	91	115	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	12.74	105	679	Below Cal		67
81) trans-1,4-Dichloro-2-buten	12.40	75	144118	115.882	ug/l #	9
82) 4-Chlorotoluene	12.77	91	64	Below Cal	#	45
83) tert-Butylbenzene	12.72	119	102	Below Cal	#	53
85) sec-Butylbenzene	13.36	105	116	Below Cal		82
92) 1,2-Dibromo-3-Chloropropan	14.22	75	108	Below Cal	#	11
93) 1,2,4-Trichlorobenzene	14.91	180	69	5.406	ug/l #	13
95) Naphthalene	15.13	128	424	4.407	ug/l #	69

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

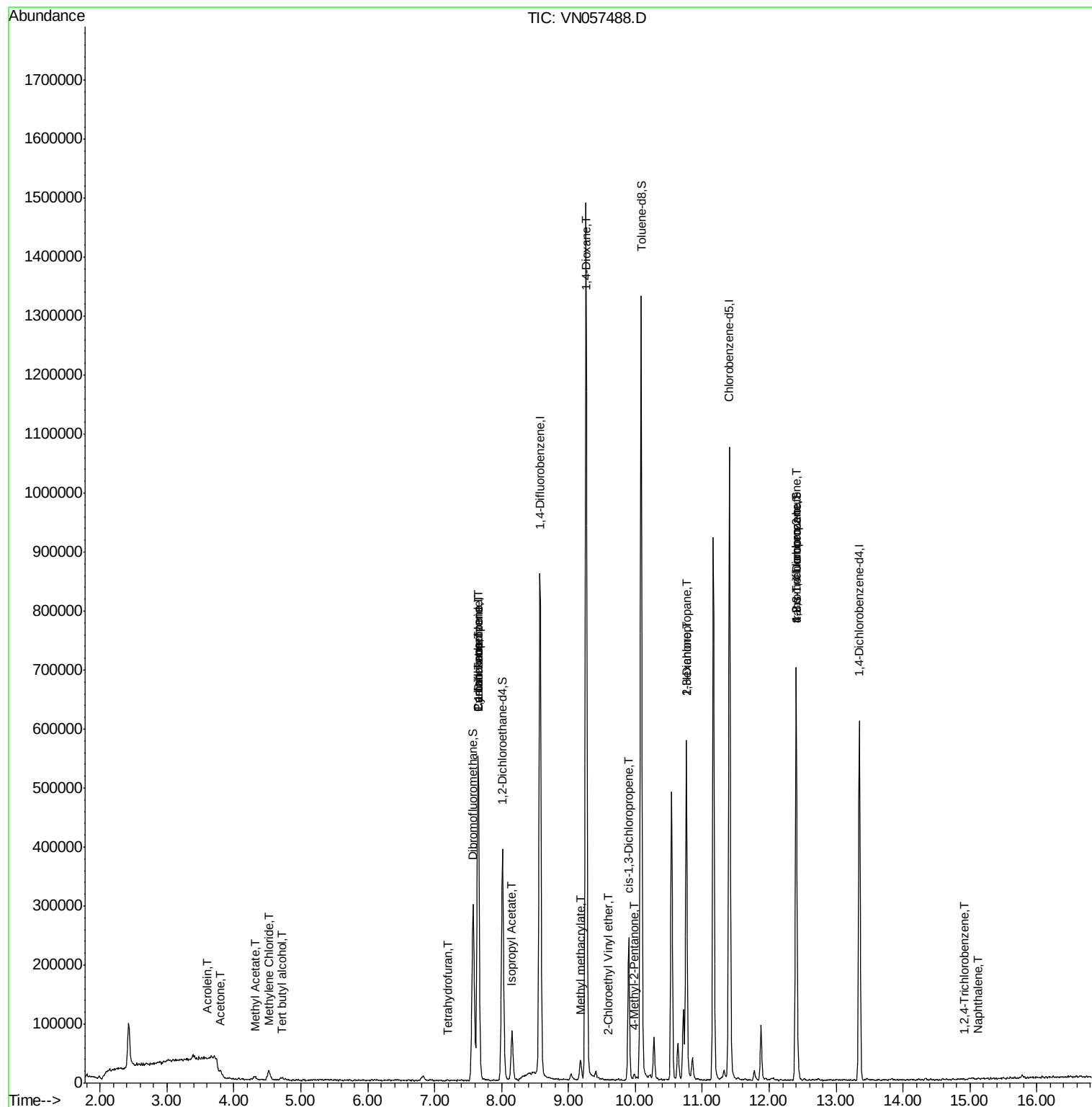
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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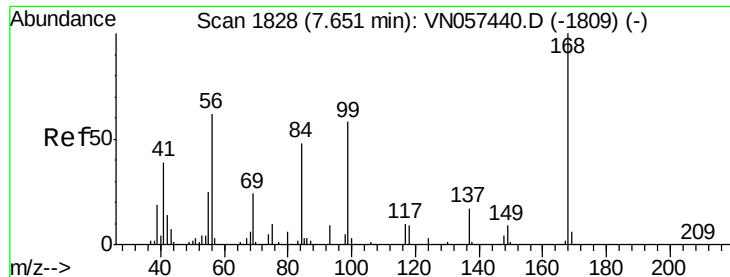
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

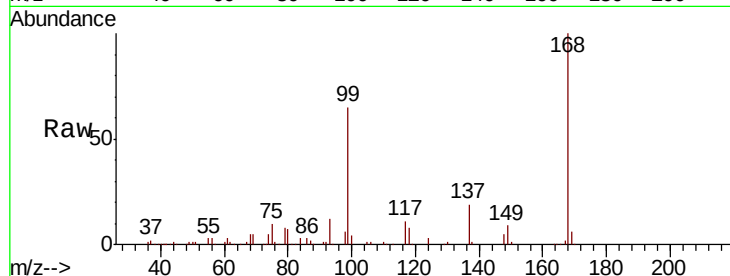
T2-S3(2.5)

Tgt Ion:168 Resp: 394490

Ion Ratio Lower Upper

168 100

99 65.5 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

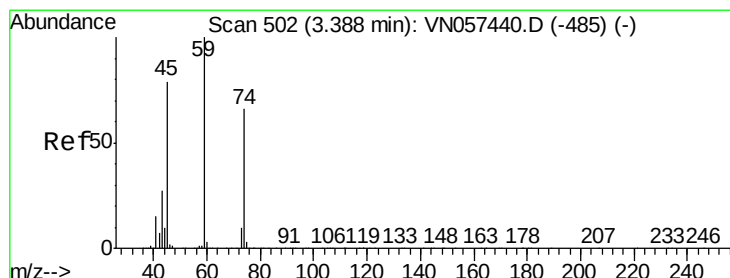
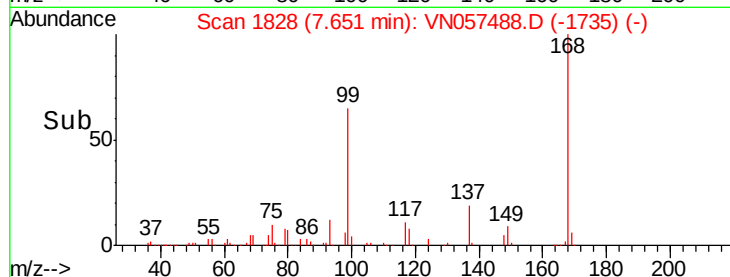
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 3.58 min Scan# 563

Delta R.T. 0.20 min

Lab File: VN057488.D

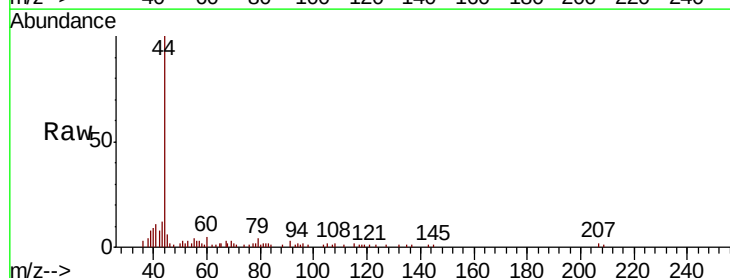
Acq: 23 Aug 2019 22:10

Tgt Ion: 74 Resp: 63

Ion Ratio Lower Upper

74 100

45 134.9 57.9 173.6



Abundance Ion 74.00 (73.70 to 74.70): VN057440.D (-485) (-)

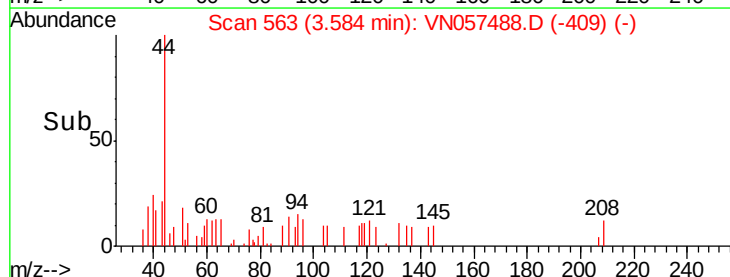
Ion 45.00 (44.70 to 45.70): VN057440.D (-485) (-)

1000

500

0

Time-->



Abundance Ion 74.00 (73.70 to 74.70): VN057488.D (-409) (-)

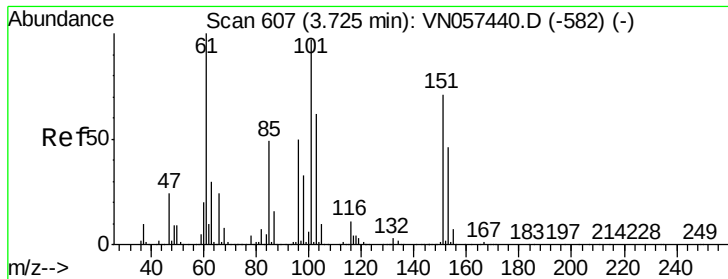
Ion 45.00 (44.70 to 45.70): VN057488.D (-409) (-)

1000

500

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.73 min Scan# 607

Delta R.T. 0.00 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

T2-S3(2.5)

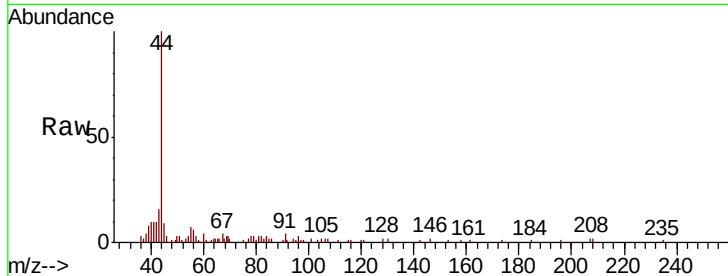
Tgt Ion:101 Resp: 225

Ion Ratio Lower Upper

101 100

85 28.9 40.0 60.0#

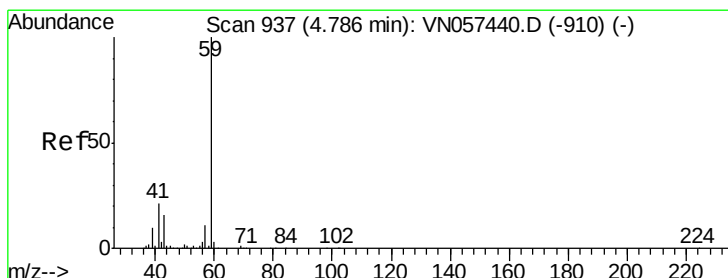
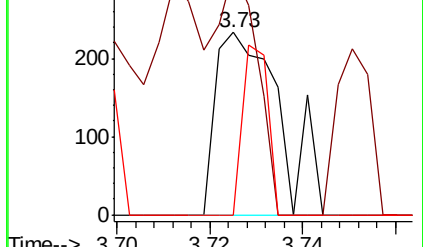
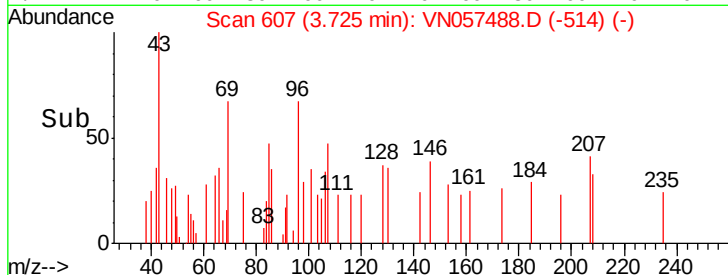
151 36.0 57.0 85.6#



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: 1.487 ug/l

RT: 4.73 min Scan# 918

Delta R.T. -0.06 min

Lab File: VN057488.D

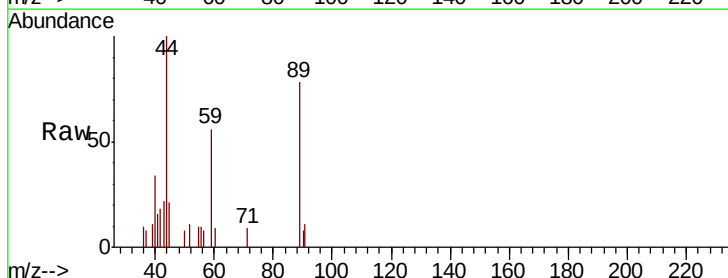
Acq: 23 Aug 2019 22:10

Tgt Ion: 59 Resp: 1282

Ion Ratio Lower Upper

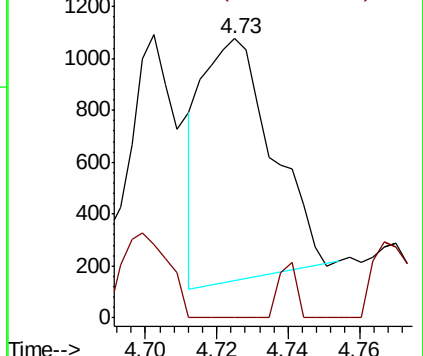
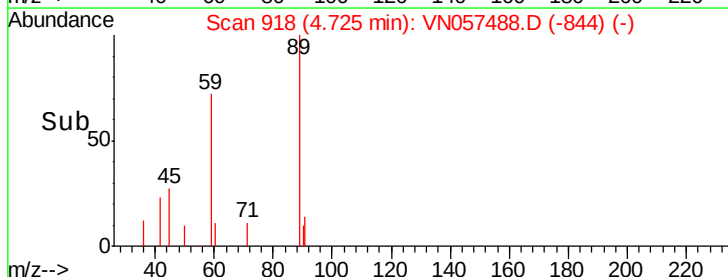
59 100

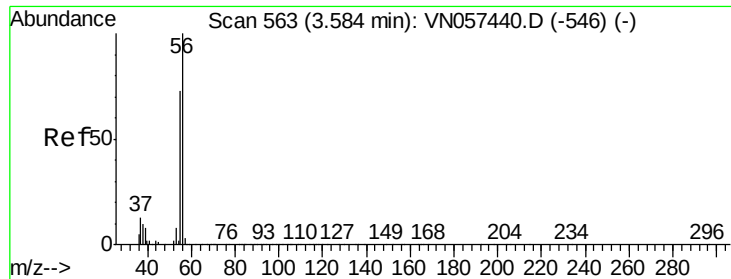
57 5.8 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#13

Acrolein

Concen: 0.578 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.02 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA_N

ClientSampled :

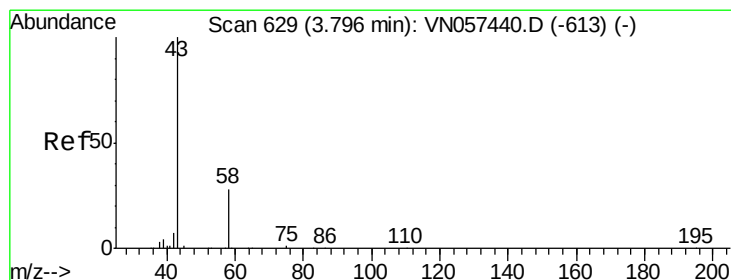
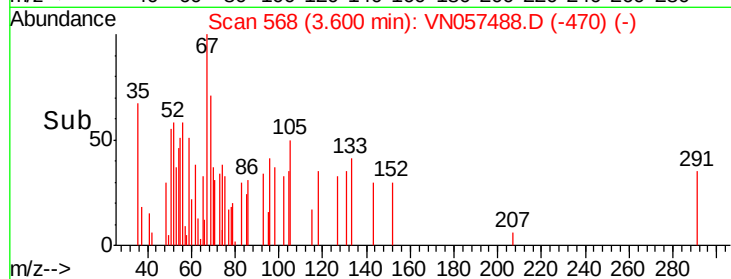
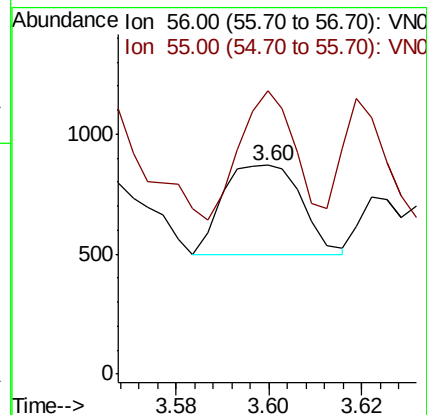
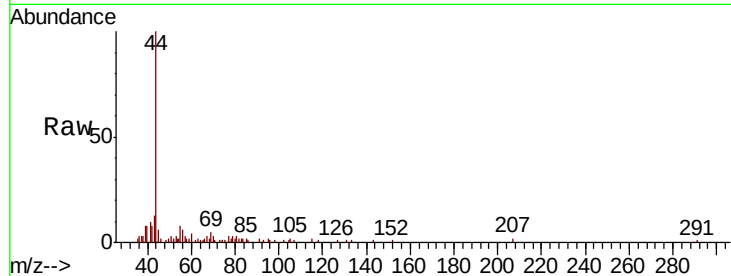
T2-S3(2.5)

Tgt Ion: 56 Resp: 438

Ion Ratio Lower Upper

56 100

55 99.8 59.0 88.4#



#16

Acetone

Concen: 5.045 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057488.D

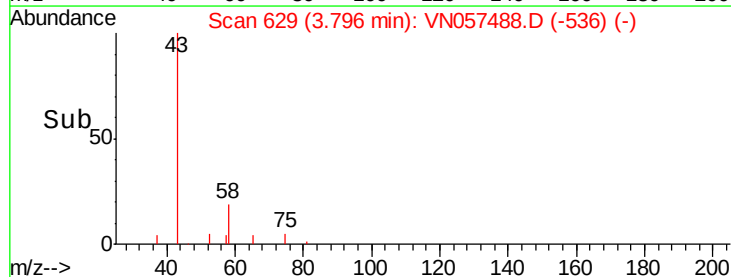
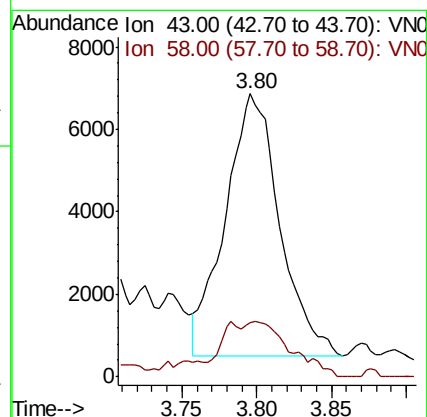
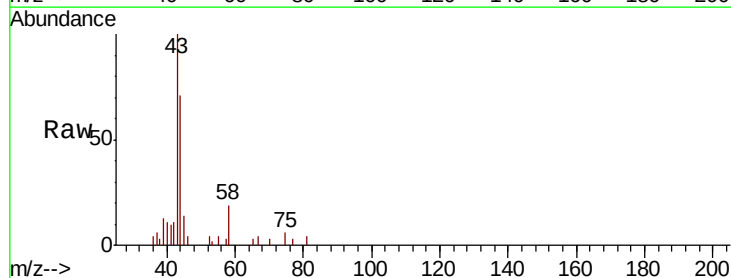
Acq: 23 Aug 2019 22:10

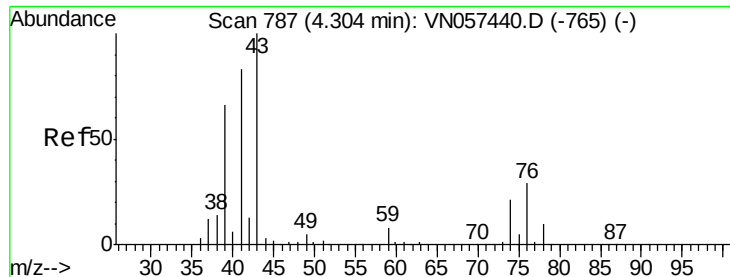
Tgt Ion: 43 Resp: 16078

Ion Ratio Lower Upper

43 100

58 20.7 22.1 33.1#

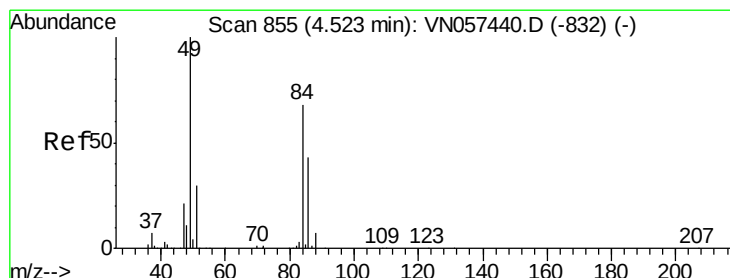
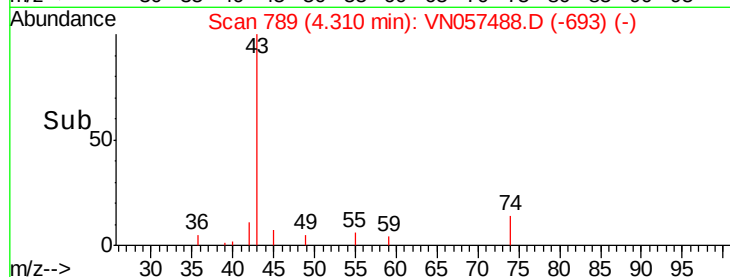
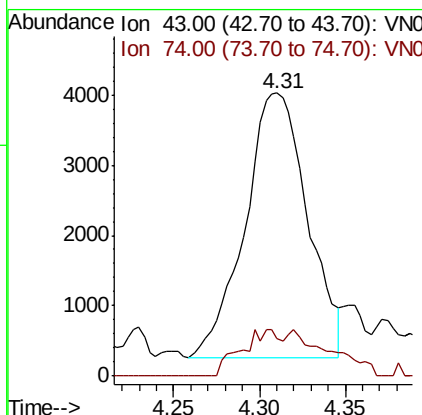
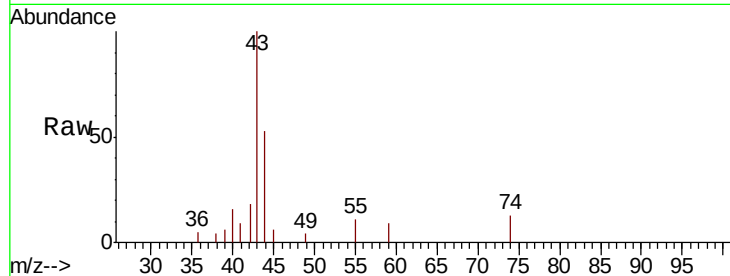




#18
Methyl Acetate
Concen: 0.444 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN057488.D
Acq: 23 Aug 2019 22:10

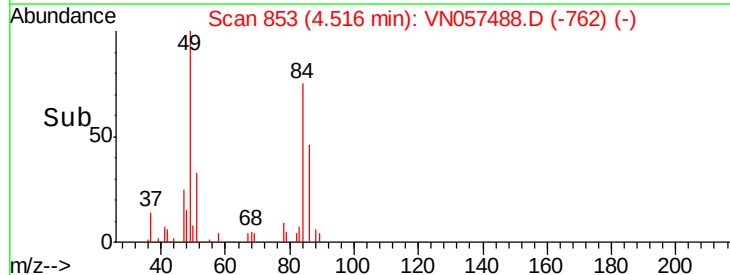
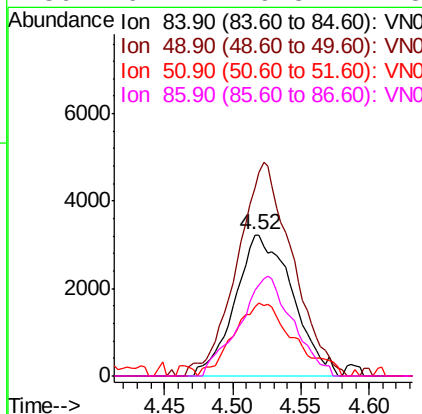
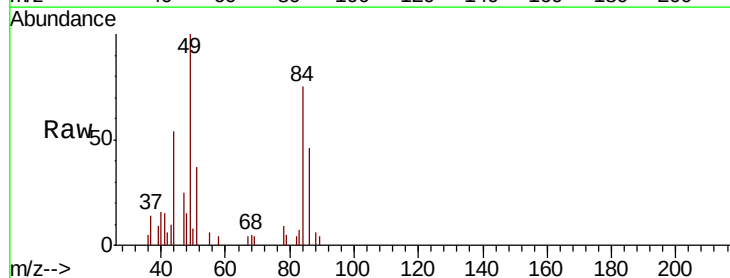
Instrument :
MSVOA_N
ClientSampleId :
T2-S3(2.5)

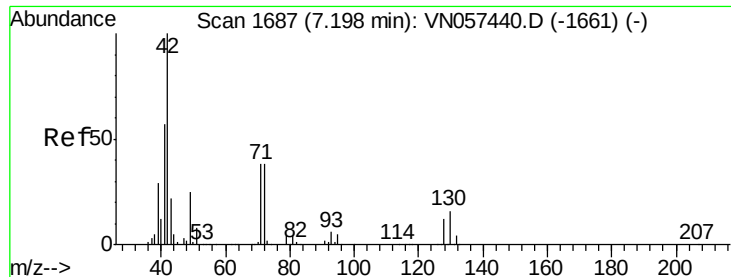
Tgt Ion: 43 Resp: 9556
Ion Ratio Lower Upper
43 100
74 11.0 15.9 23.9#



#20
Methylene Chloride
Concen: 1.919 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN057488.D
Acq: 23 Aug 2019 22:10

Tgt Ion: 84 Resp: 9407
Ion Ratio Lower Upper
84 100
49 128.4 117.0 175.4
51 42.9 35.5 53.3
86 61.2 49.8 74.8





#29

Tetrahydrofuran

Concen: 0.270 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

T2-S3(2.5)

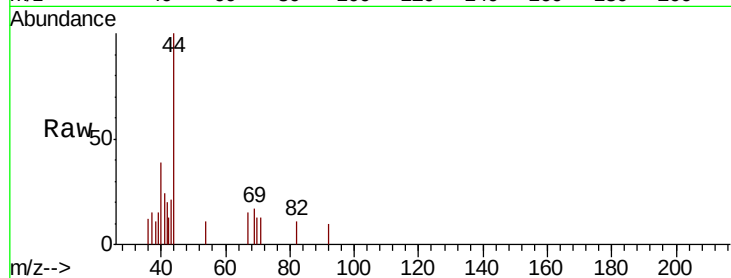
Tgt Ion: 42 Resp: 617

Ion Ratio Lower Upper

42 100

72 0.0 30.1 45.1#

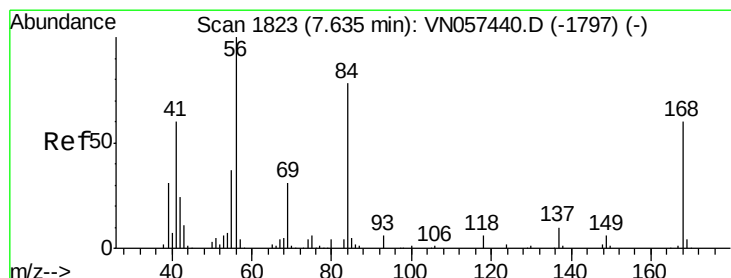
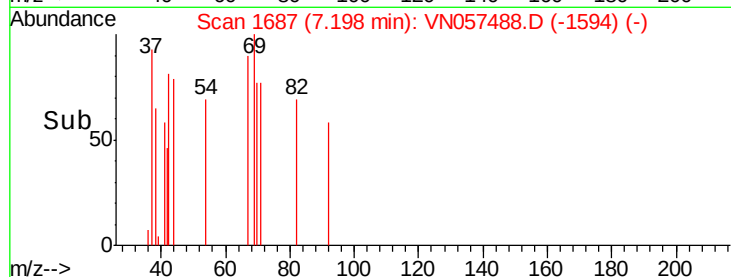
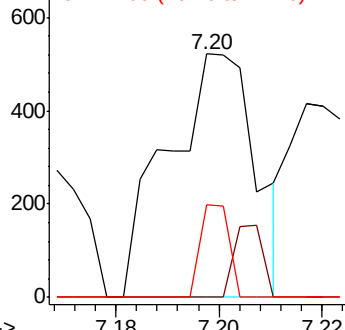
71 12.3 28.8 43.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.391 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.02 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

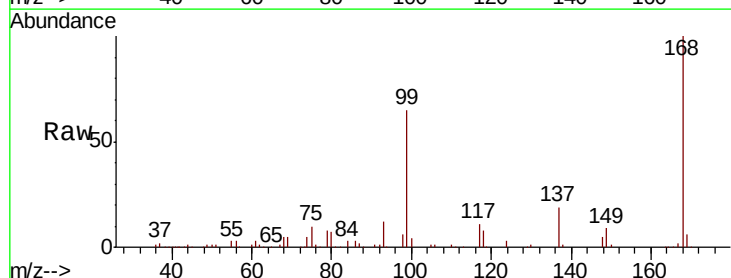
Tgt Ion: 56 Resp: 13561

Ion Ratio Lower Upper

56 100

69 156.4 25.0 37.6#

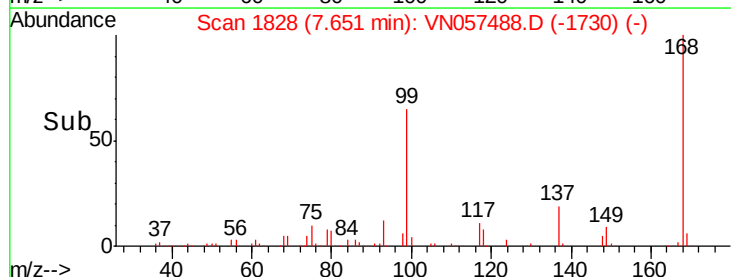
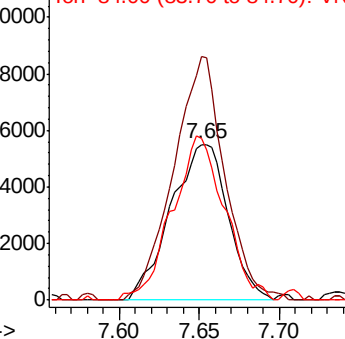
84 104.1 62.5 93.7#

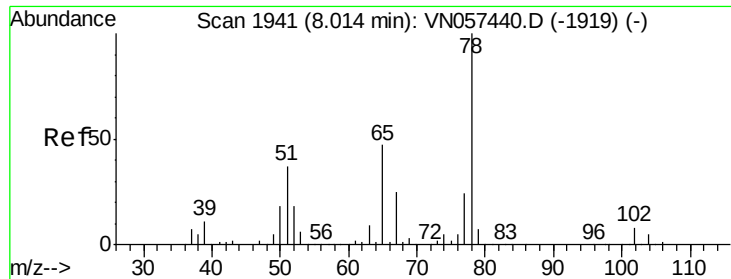


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

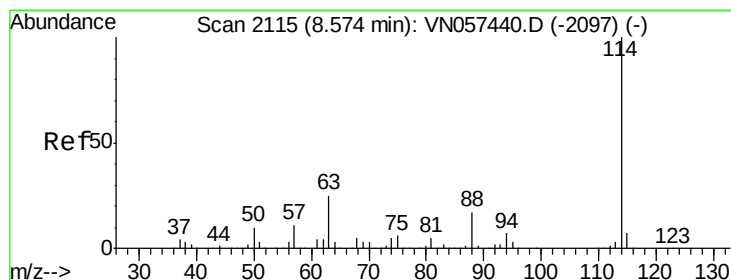
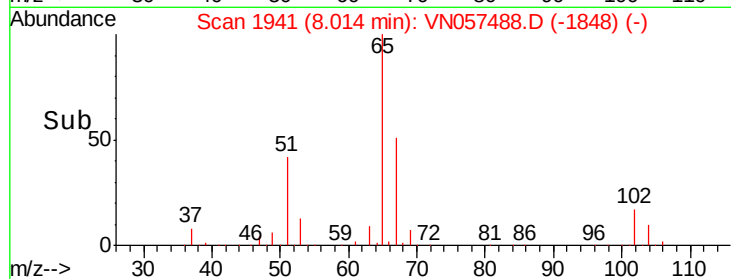
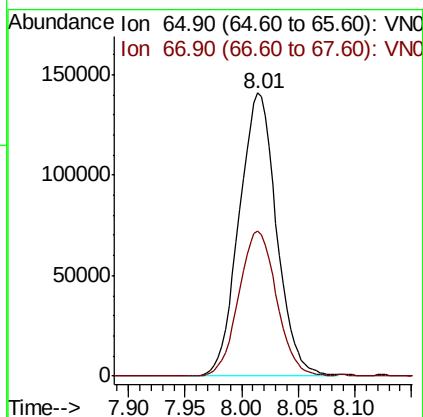
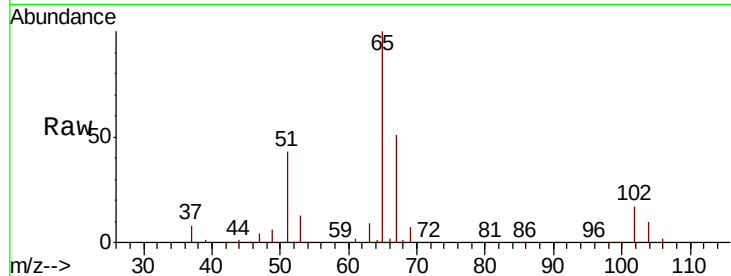




#33
 1,2-Dichloroethane-d4
 Concen: 46.758 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057488.D
 Acq: 23 Aug 2019 22:10

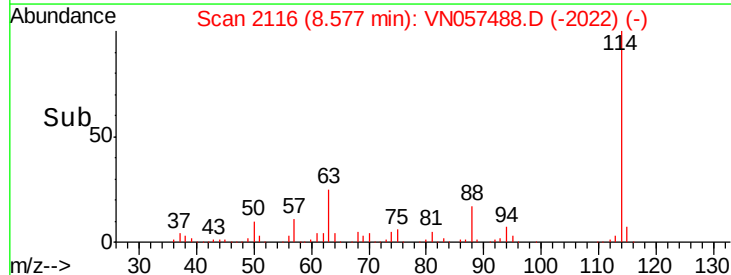
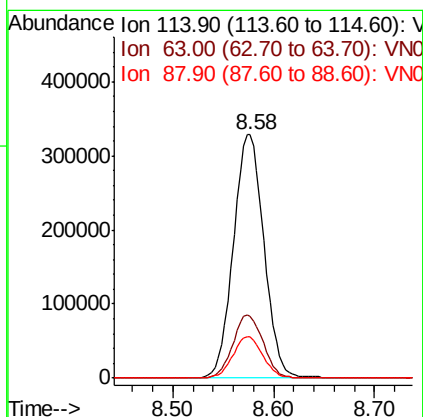
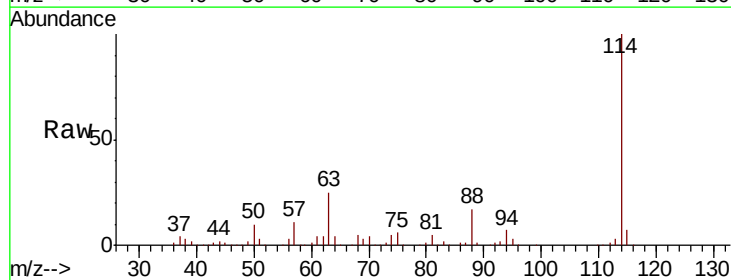
Instrument :
 MSVOA_N
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 T2-S3(2.5)

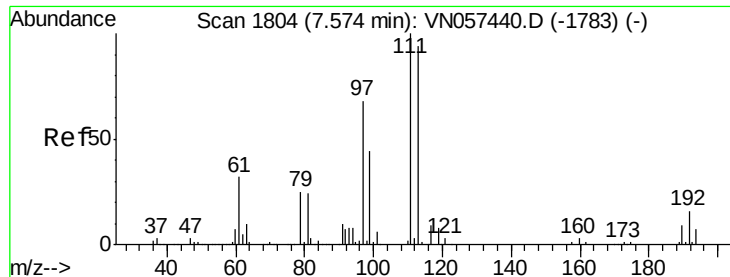
Tgt Ion: 65 Resp: 324481
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057488.D
 Acq: 23 Aug 2019 22:10

Tgt Ion: 114 Resp: 691756
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 50.2
 88 16.9 0.0 34.6

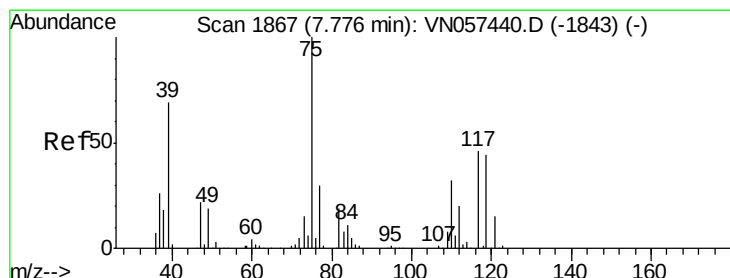
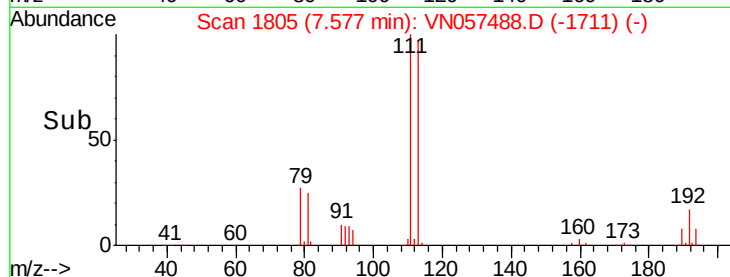
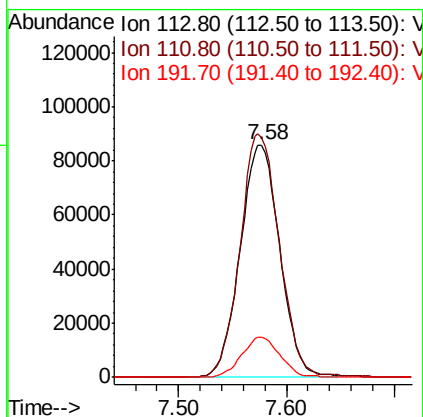
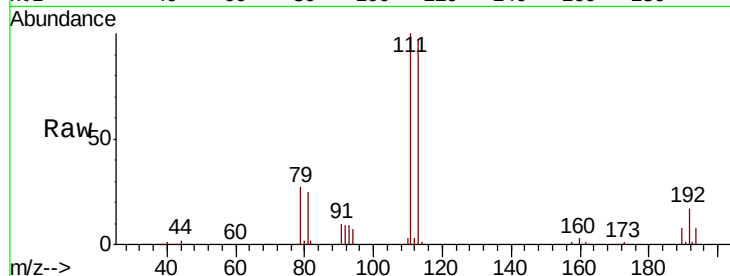




#35
 Dibromofluoromethane
 Concen: 46.936 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057488.D
 Acq: 23 Aug 2019 22:10

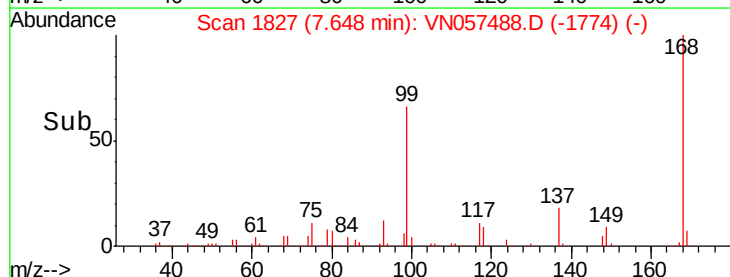
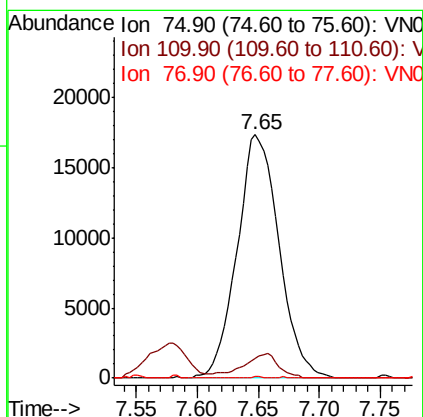
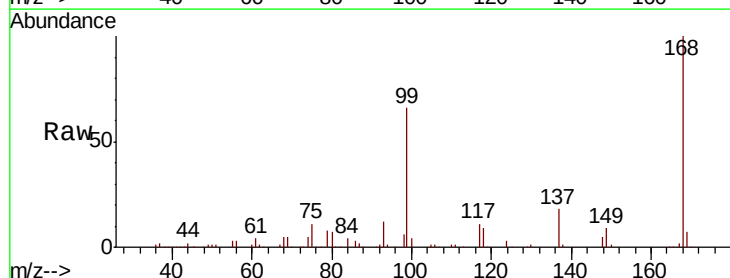
Instrument :
 MSVOA_N
 ClientSampleId :
 T2-S3(2.5)

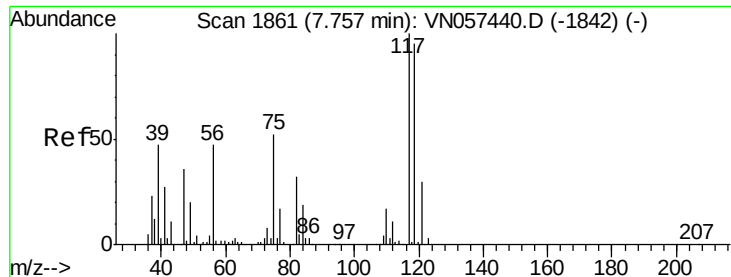
Tgt Ion: 113 Resp: 219308
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.8 125.6
 192 16.8 13.5 20.3



#36
 1,1-Dichloropropene
 Concen: 5.838 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057488.D
 Acq: 23 Aug 2019 22:10

Tgt Ion: 75 Resp: 41262
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.1 48.3#
 77 0.2 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.225 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

T2-S3(2.5)

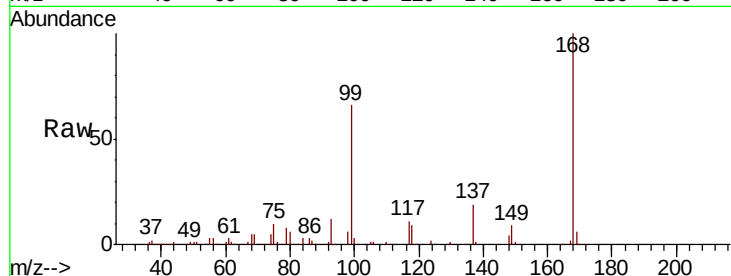
Tgt Ion:117 Resp: 43713

Ion Ratio Lower Upper

117 100

119 3.6 76.2 114.4#

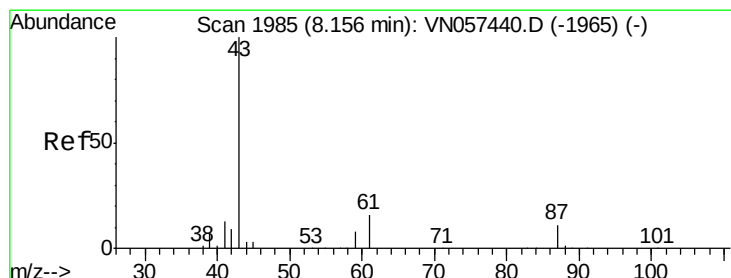
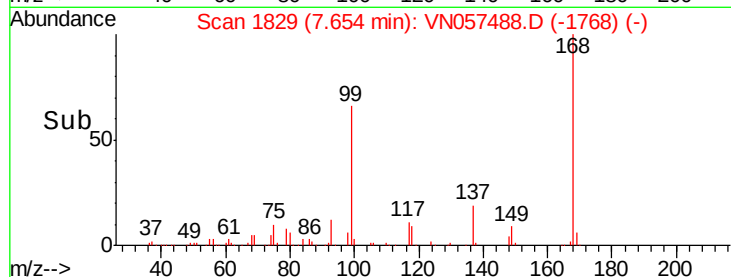
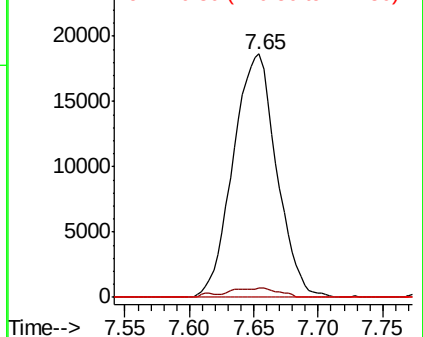
121 0.0 23.8 35.6#



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: 7.897 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

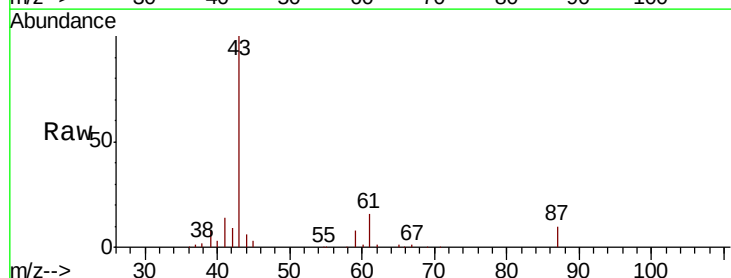
Tgt Ion: 43 Resp: 101133

Ion Ratio Lower Upper

43 100

61 16.7 14.5 21.7

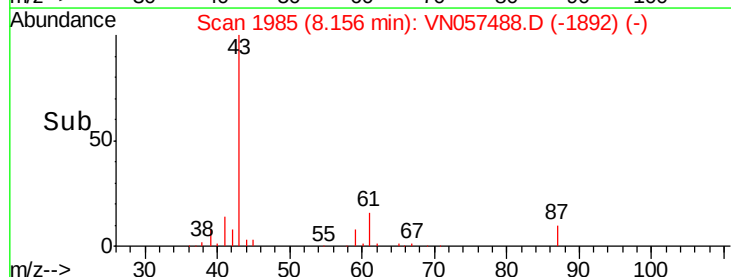
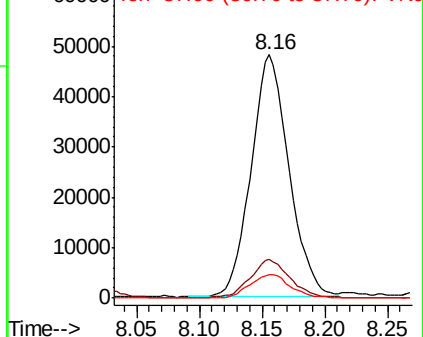
87 10.3 8.6 12.8

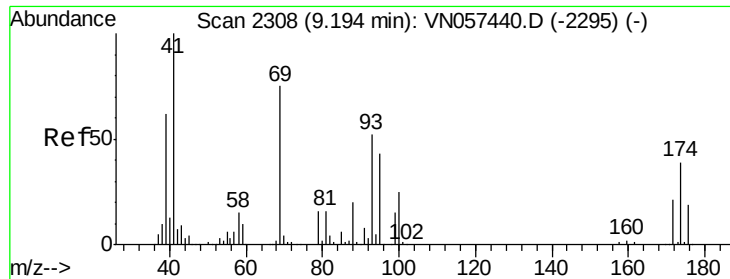


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

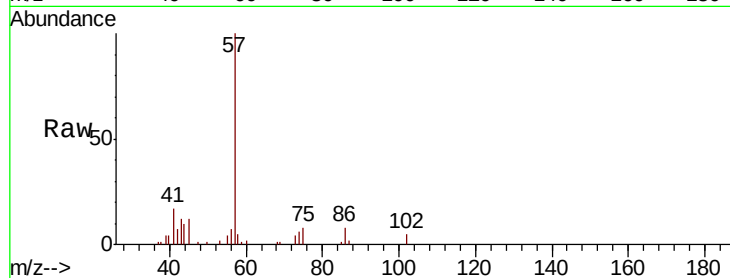




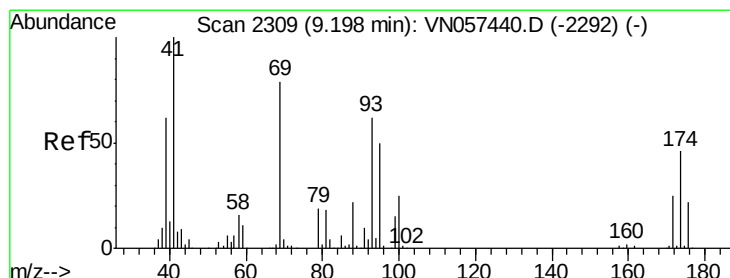
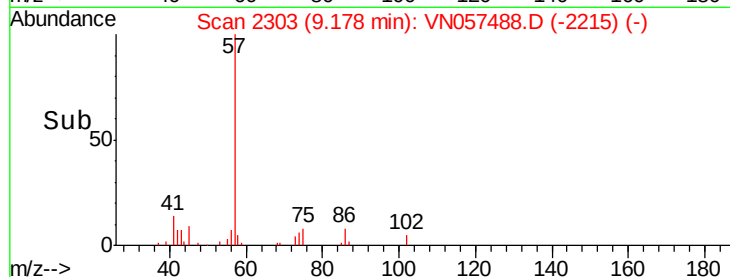
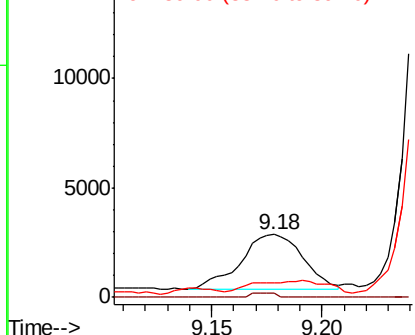
#48
Methyl methacrylate
Concen: 0.786 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN057488.D
Acq: 23 Aug 2019 22:10

Instrument :
MSVOA_N
ClientSampled :
T2-S3(2.5)

Tgt Ion: 41 Resp: 4786
Ion Ratio Lower Upper
41 100
69 3.0 59.3 88.9#
39 0.0 50.6 75.8#

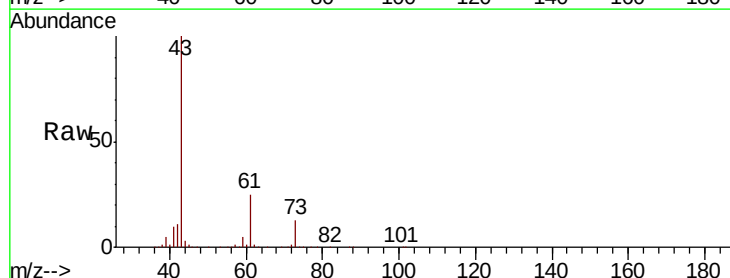


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

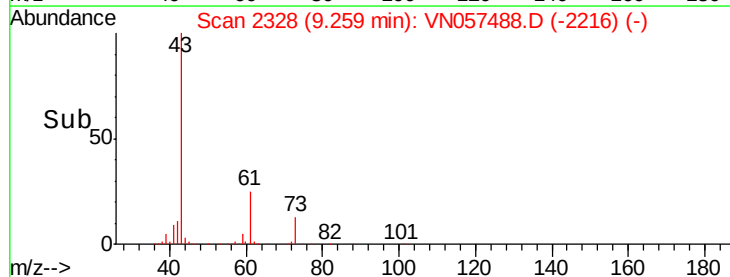
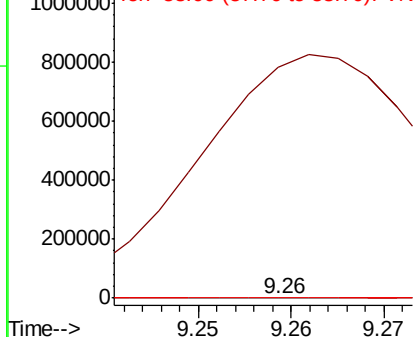


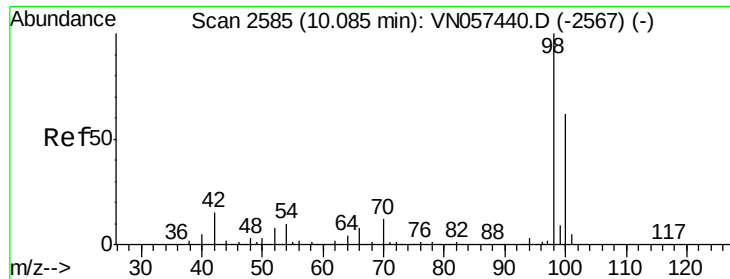
#49
1,4-Dioxane
Concen: 0.952 ug/l
RT: 9.26 min Scan# 2328
Delta R.T. 0.06 min
Lab File: VN057488.D
Acq: 23 Aug 2019 22:10

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 2059520.0 31.0 46.6#
58 7782.7 64.5 96.7#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 48.369 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA_N

ClientSampled :

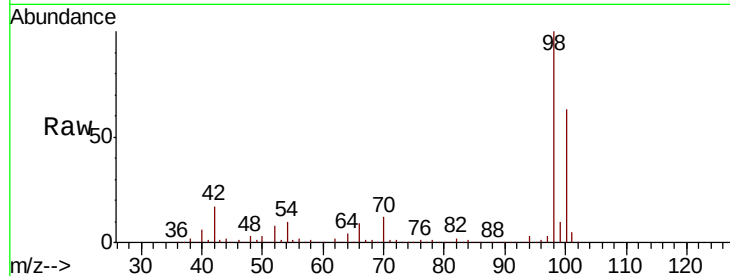
T2-S3(2.5)

Tgt Ion: 98 Resp: 854574

Ion Ratio Lower Upper

98 100

100 63.5 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

500000

400000

300000

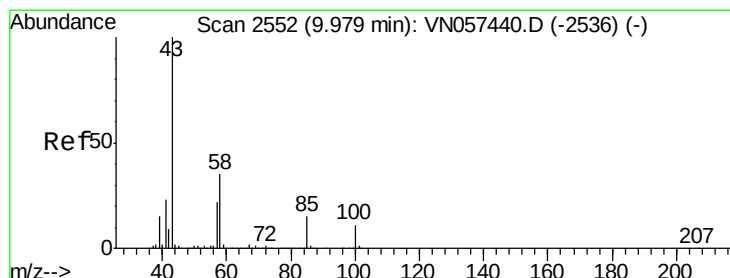
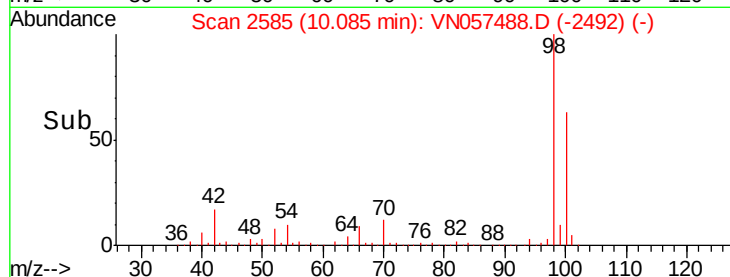
200000

100000

0

Time-->

10.00 10.10



#51

4-Methyl-2-Pentanone

Concen: 0.846 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057488.D

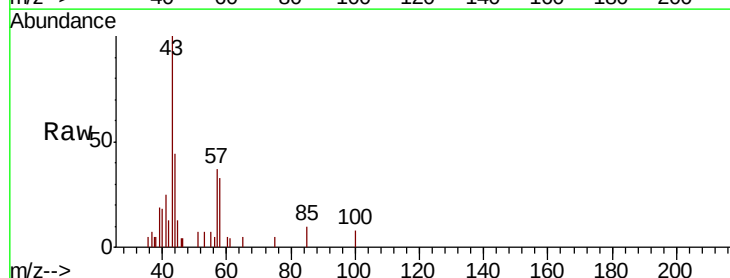
Acq: 23 Aug 2019 22:10

Tgt Ion: 43 Resp: 6039

Ion Ratio Lower Upper

43 100

58 42.6 27.9 41.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

8000

6000

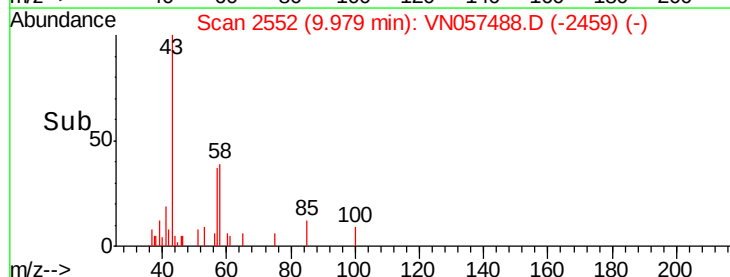
4000

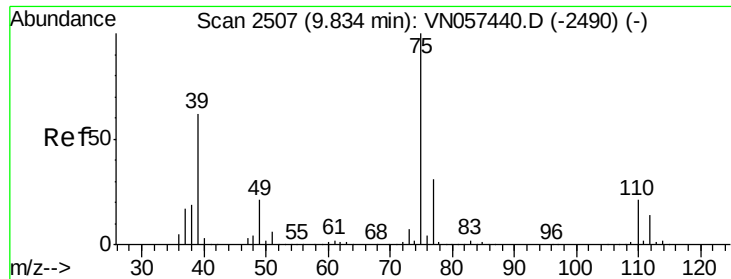
2000

0

Time-->

9.95 10.00





#54

cis-1,3-Dichloropropene

Concen: 4.296 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

T2-S3(2.5)

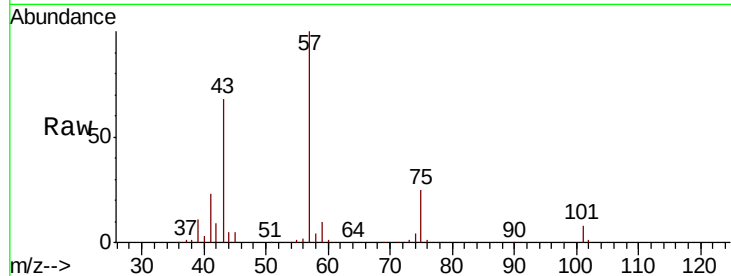
Tgt Ion: 75 Resp: 39495

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

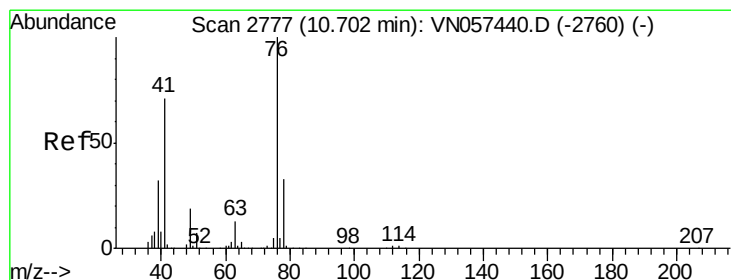
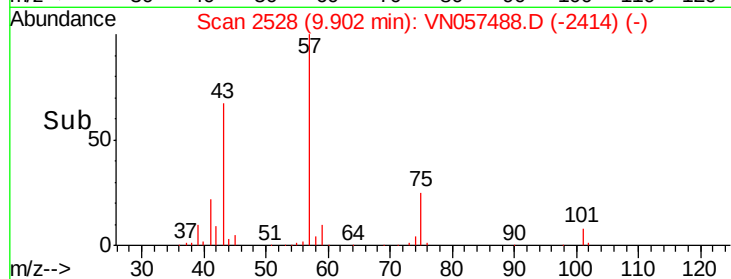
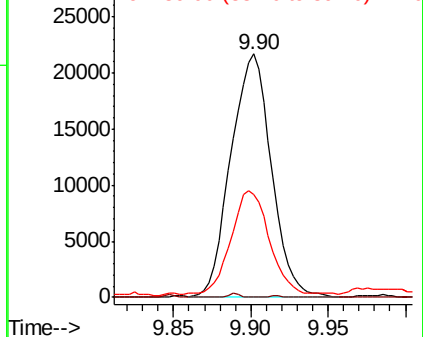
39 40.7 49.2 73.8#



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: 0.680 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN057488.D

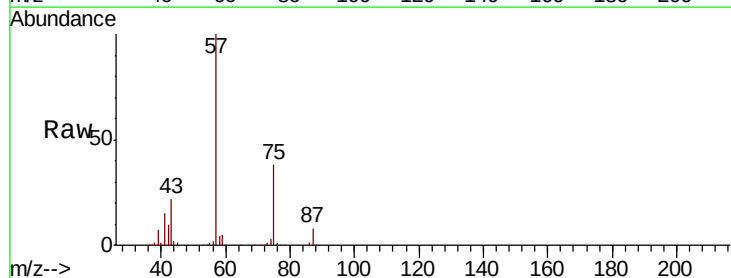
Acq: 23 Aug 2019 22:10

Tgt Ion: 76 Resp: 5852

Ion Ratio Lower Upper

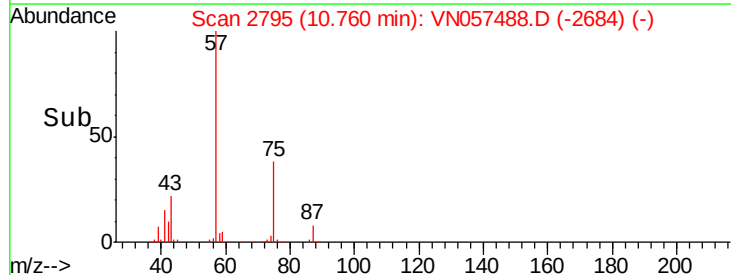
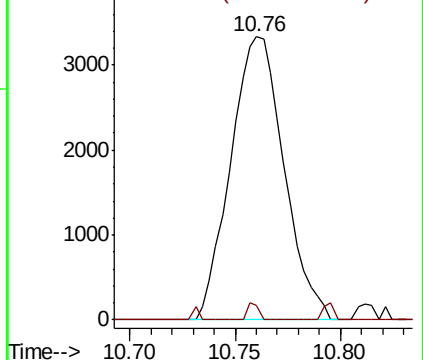
76 100

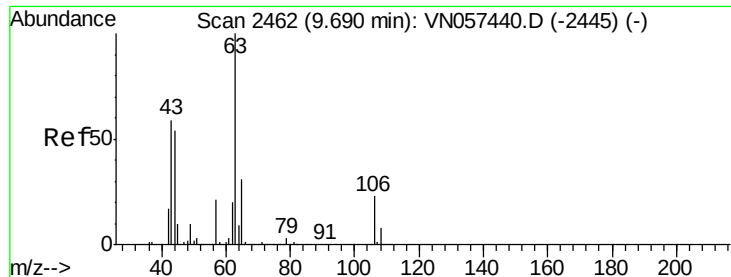
78 1.2 25.5 38.3#



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: 17.080 ug/l

RT: 9.60 min Scan# 2435

Delta R.T. -0.09 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

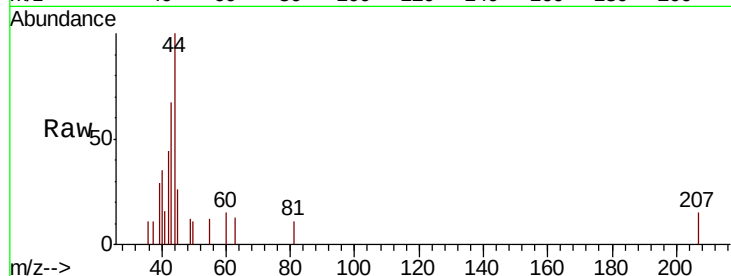
T2-S3(2.5)

Tgt Ion: 63 Resp: 36

Ion Ratio Lower Upper

63 100

106 0.0 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.60

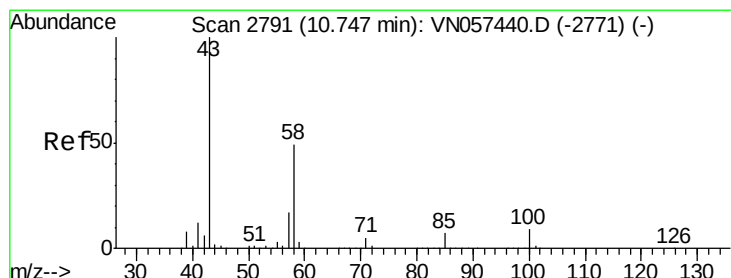
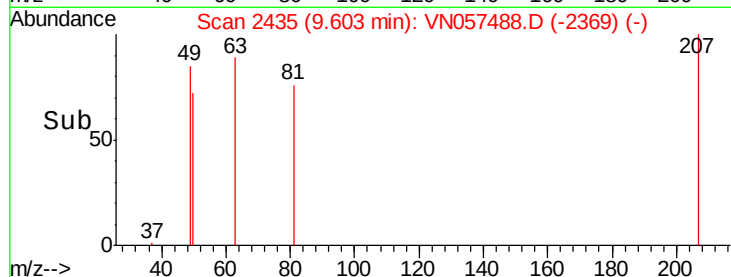
150

100

50

0

Time--> 9.59 9.60 9.61 9.61



#59

2-Hexanone

Concen: 18.837 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN057488.D

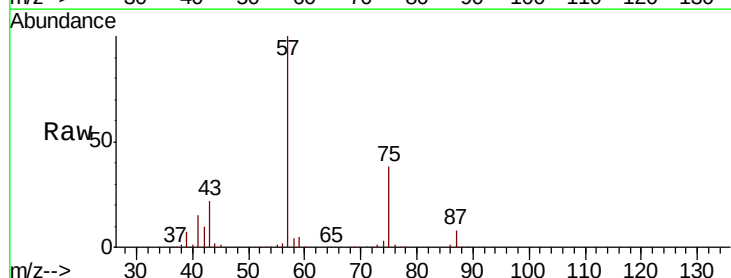
Acq: 23 Aug 2019 22:10

Tgt Ion: 43 Resp: 92216

Ion Ratio Lower Upper

43 100

58 18.0 24.6 73.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

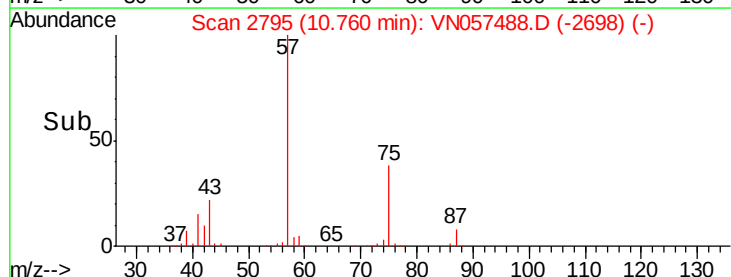
60000

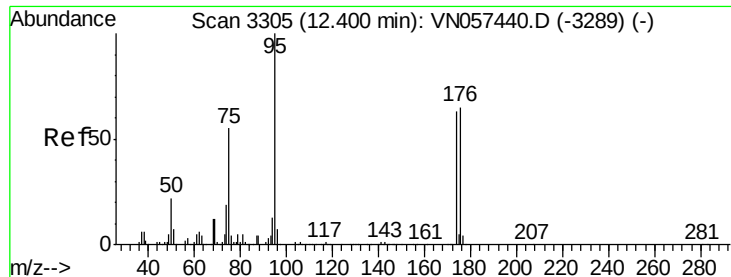
40000

20000

0

Time--> 10.75 10.80





#62

4-Bromofluorobenzene

Concen: 39.825 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

T2-S3(2.5)

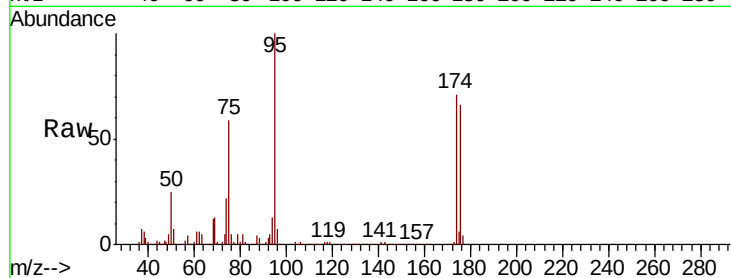
Tgt Ion: 95 Resp: 238447

Ion Ratio Lower Upper

95 100

174 69.9 0.0 133.0

176 67.0 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

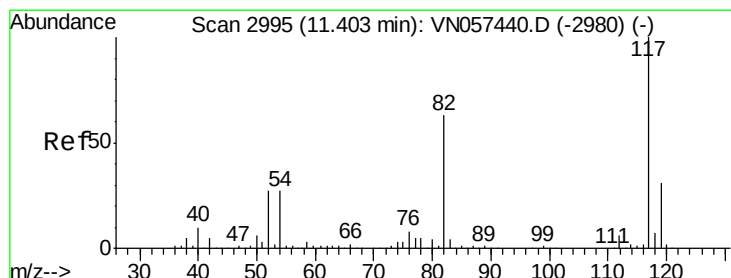
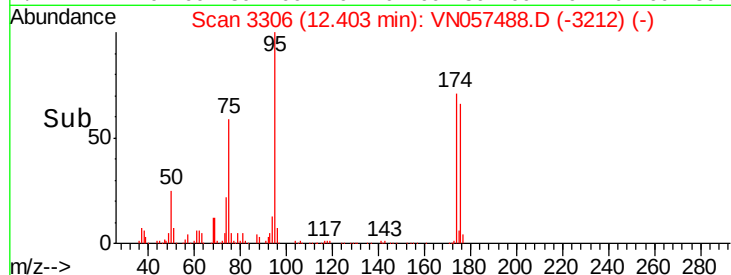
50000

0

12.40

12.50

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

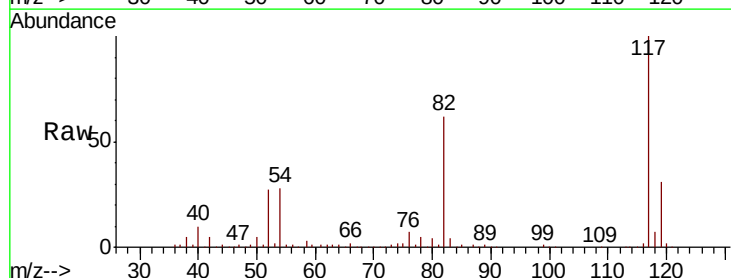
Tgt Ion: 117 Resp: 565612

Ion Ratio Lower Upper

117 100

82 62.0 50.6 75.8

119 31.0 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

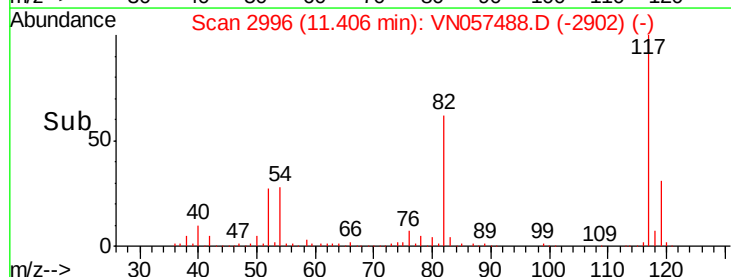
100000

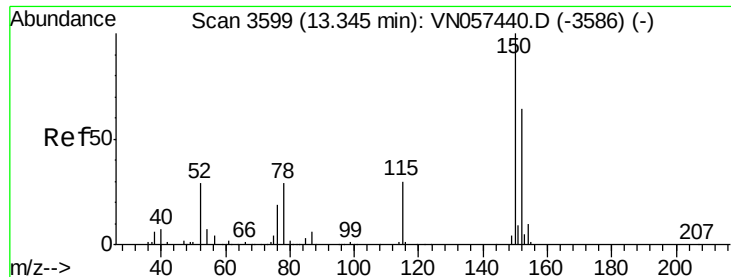
0

11.40

11.50

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

T2-S3(2.5)

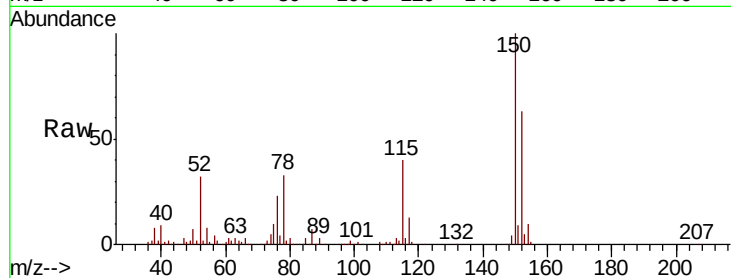
Tgt Ion:152 Resp: 142858

Ion Ratio Lower Upper

152 100

115 63.2 32.0 96.0

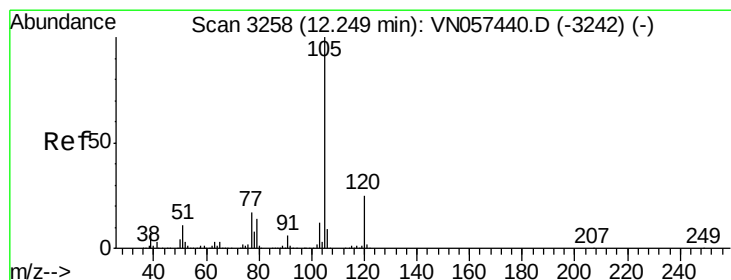
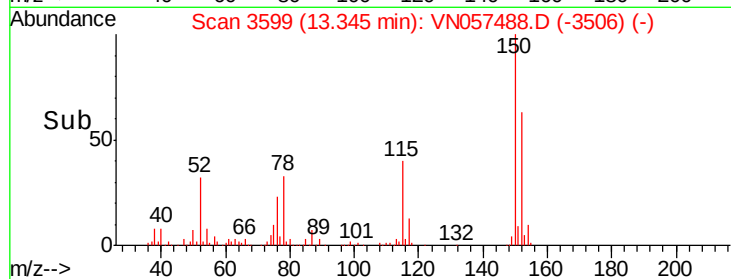
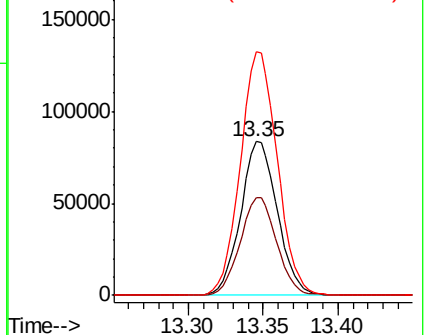
150 159.5 0.0 346.6



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: 12.40 min Scan# 3306

Delta R.T. 0.16 min

Lab File: VN057488.D

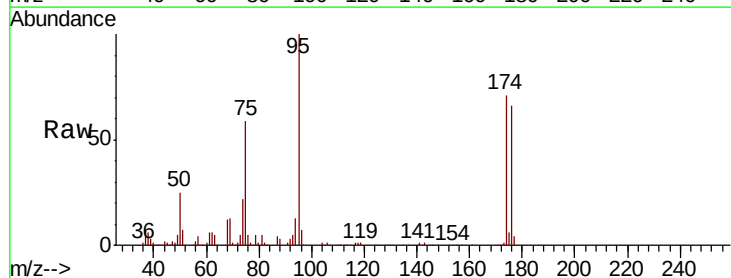
Acq: 23 Aug 2019 22:10

Tgt Ion:105 Resp: 250

Ion Ratio Lower Upper

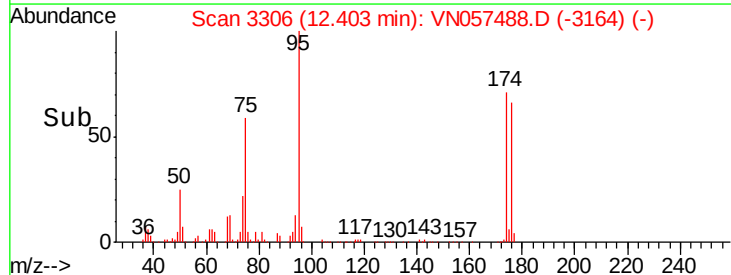
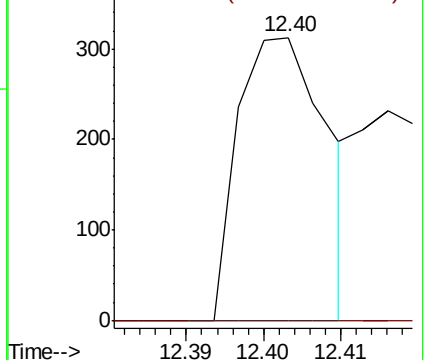
105 100

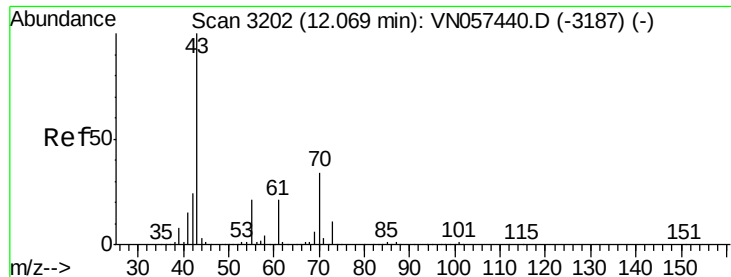
120 0.0 12.7 38.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: Below Cal

RT: 12.04 min Scan# 3192

Delta R.T. -0.03 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA_N

ClientSampled :

T2-S3(2.5)

Tgt Ion: 43 Resp: 3197

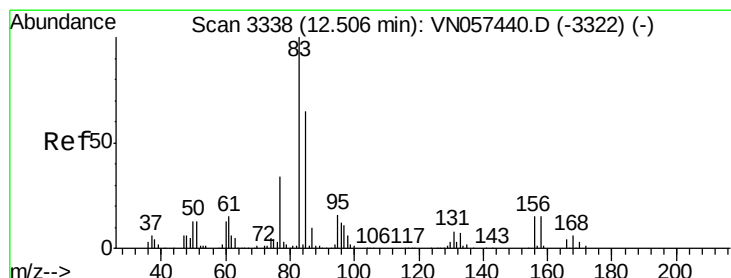
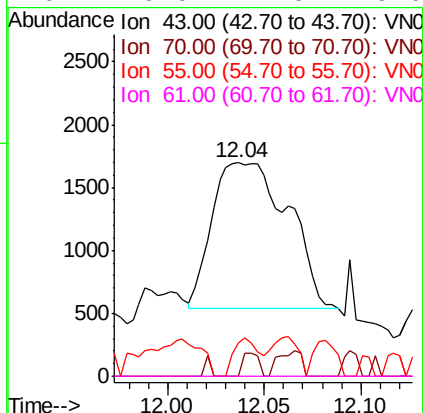
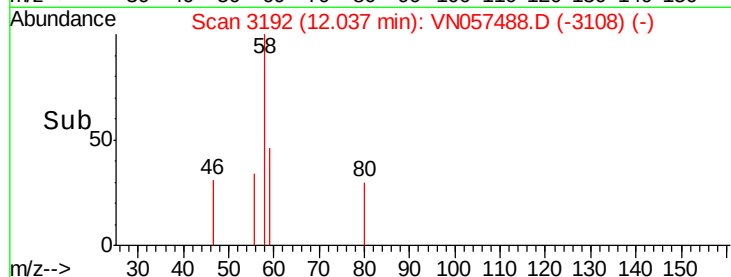
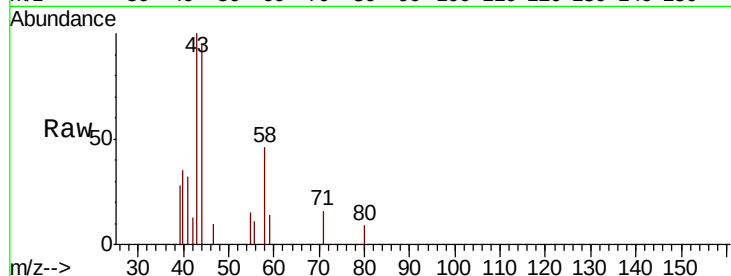
Ion Ratio Lower Upper

43 100

70 3.2 27.8 41.6#

55 8.3 17.0 25.4#

61 0.0 17.0 25.6#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.46 min Scan# 3324

Delta R.T. -0.04 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

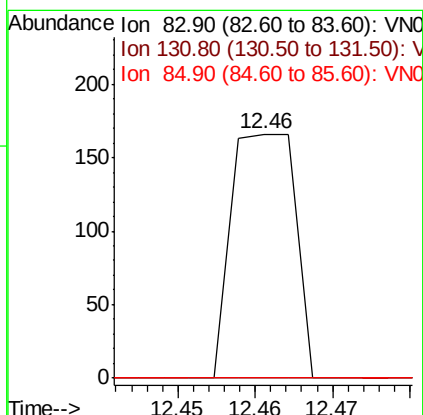
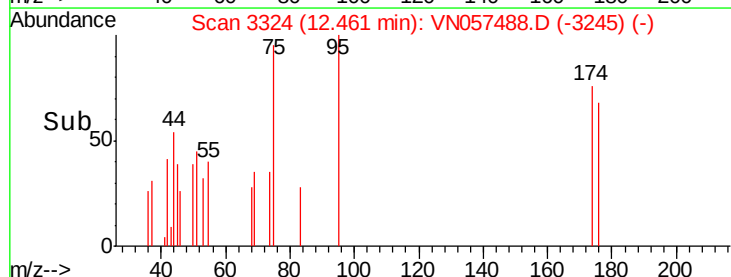
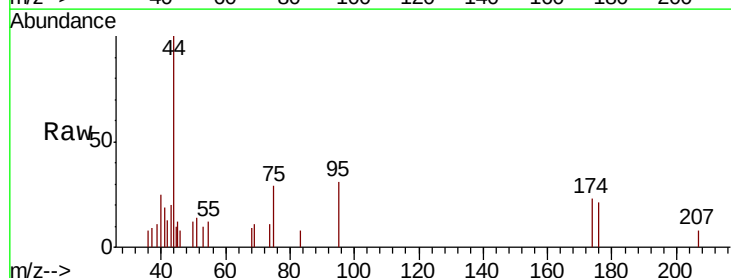
Tgt Ion: 83 Resp: 95

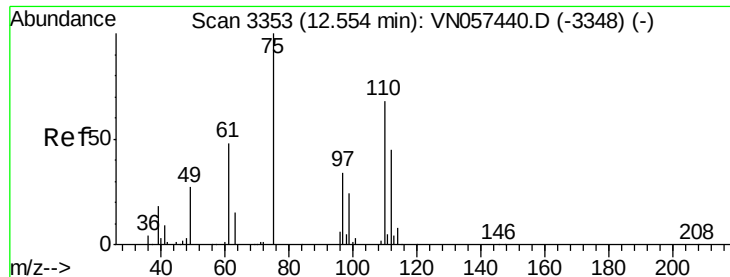
Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

85 0.0 32.3 96.8#

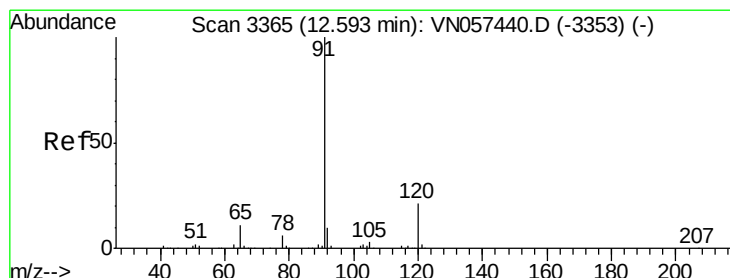
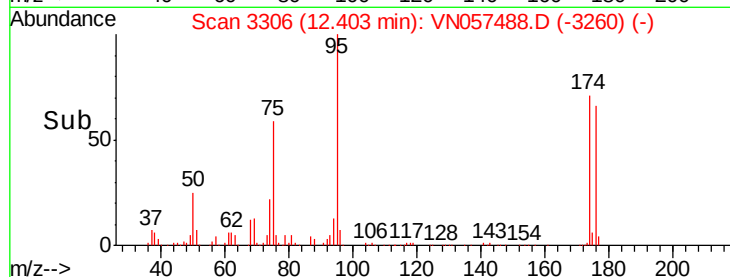
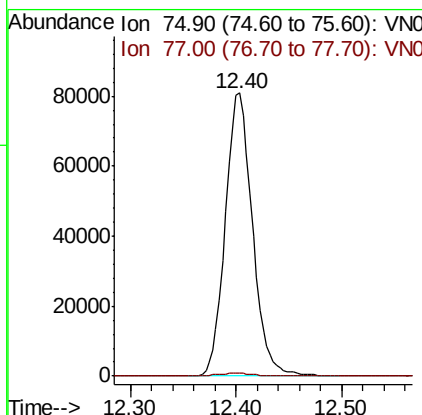
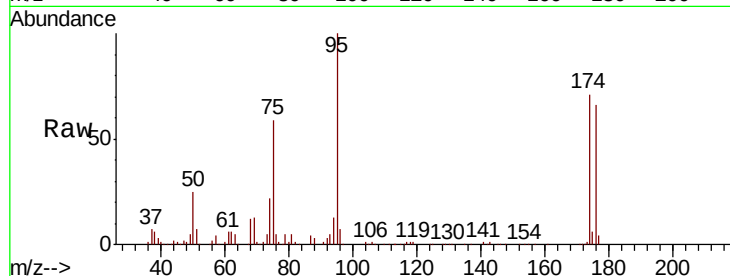




#76
 1,2,3-Trichloropropane
 Concen: 45.220 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN057488.D
 Acq: 23 Aug 2019 22:10

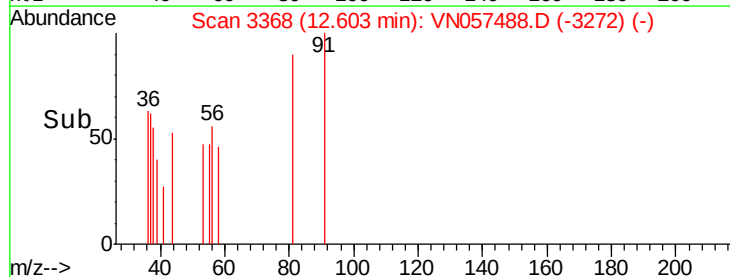
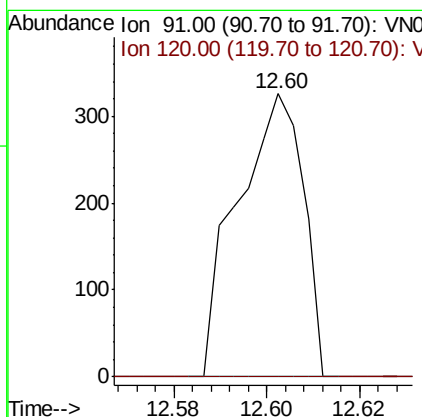
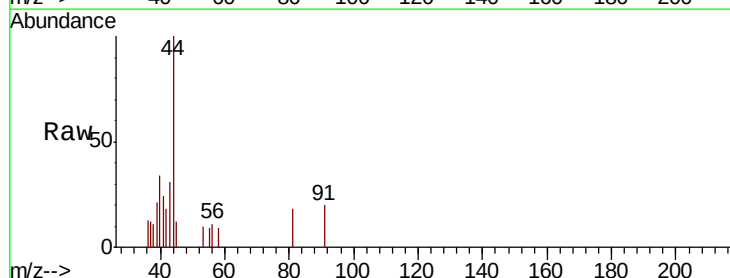
Instrument :
 MSVOA_N
 ClientSampleId :
 T2-S3(2.5)

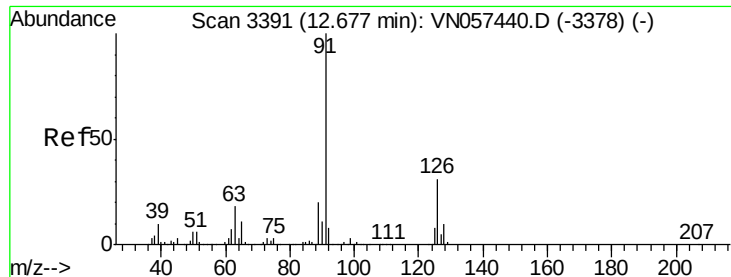
Tgt Ion: 75 Resp: 144118
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#78
 n-propylbenzene
 Concen: Below Cal
 RT: 12.60 min Scan# 3368
 Delta R.T. 0.01 min
 Lab File: VN057488.D
 Acq: 23 Aug 2019 22:10

Tgt Ion: 91 Resp: 320
 Ion Ratio Lower Upper
 91 100
 120 0.0 10.7 32.1#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.73 min Scan# 3407

Delta R.T. 0.05 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

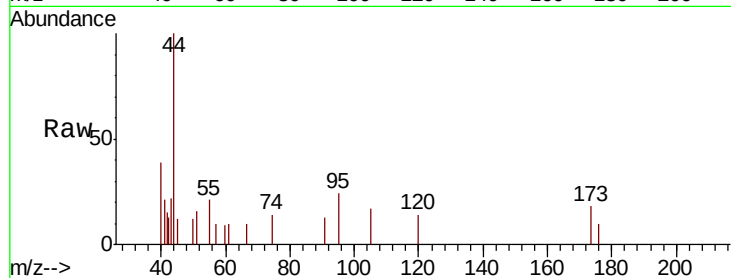
T2-S3(2.5)

Tgt Ion: 91 Resp: 115

Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.8#



Abundance Ion 91.00 (90.70 to 91.70): VN057440.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057440.D (-3378) (-)

12.73

250

200

150

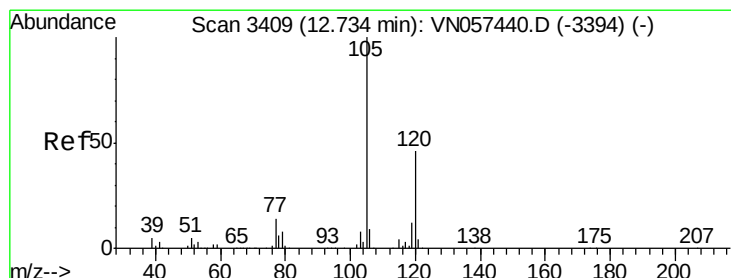
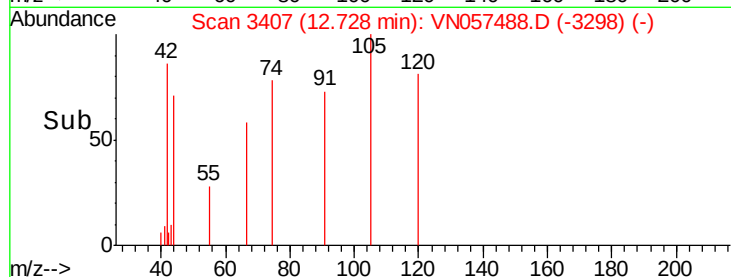
100

50

0

12.71 12.72 12.73 12.74

Time-->



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057488.D

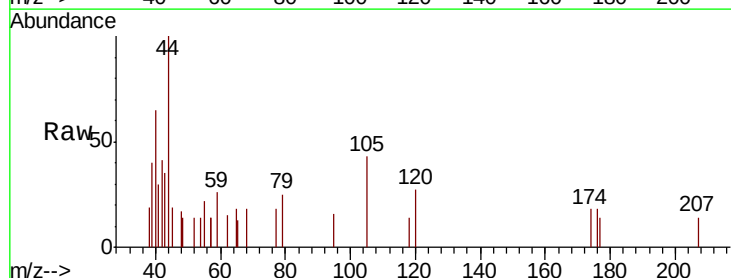
Acq: 23 Aug 2019 22:10

Tgt Ion: 105 Resp: 679

Ion Ratio Lower Upper

105 100

120 68.2 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): VN057440.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN057440.D (-3394) (-)

12.74

500

400

300

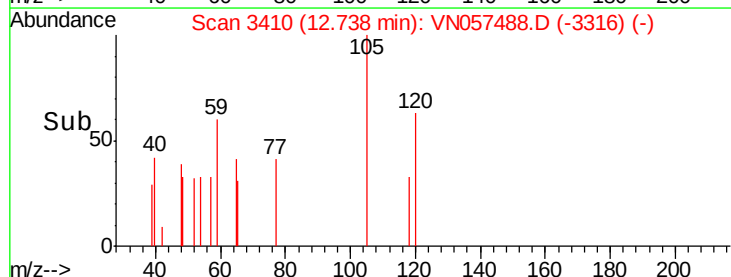
200

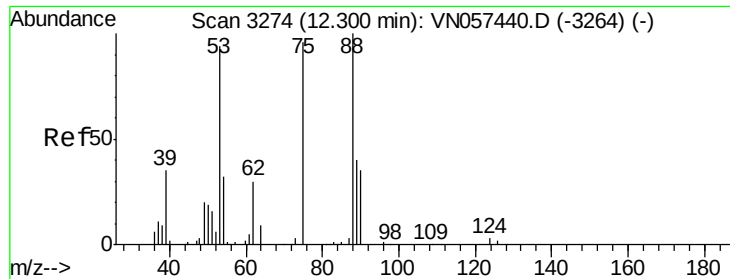
100

0

12.72 12.74 12.76

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 115.882 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

T2-S3(2.5)

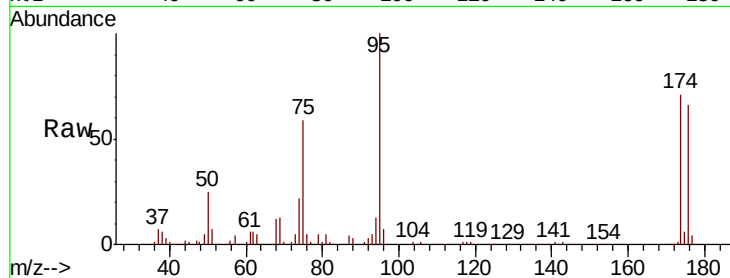
Tgt Ion: 75 Resp: 144118

Ion Ratio Lower Upper

75 100

53 0.0 82.7 124.1#

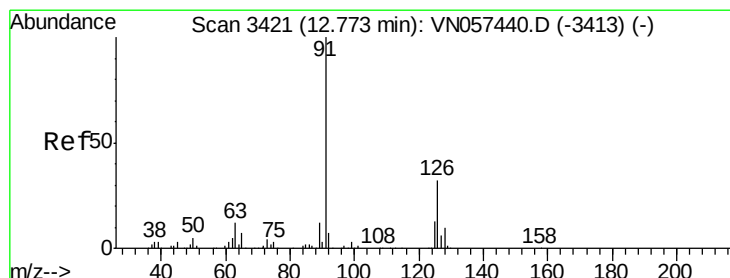
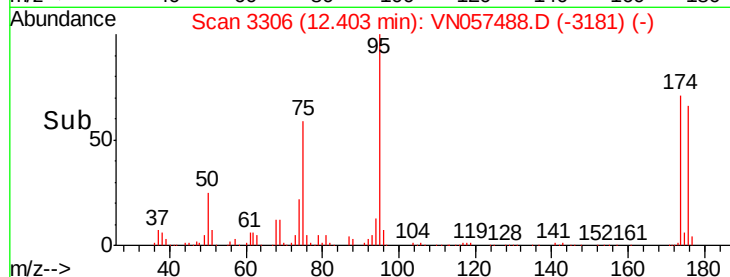
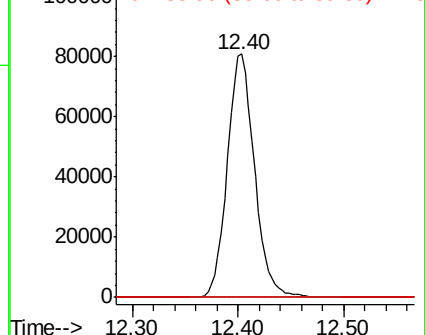
89 0.0 35.8 53.8#



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: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN057488.D

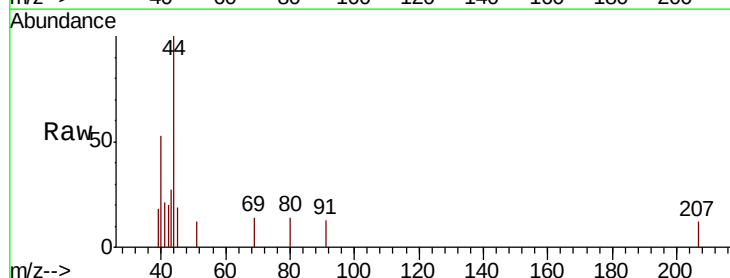
Acq: 23 Aug 2019 22:10

Tgt Ion: 91 Resp: 64

Ion Ratio Lower Upper

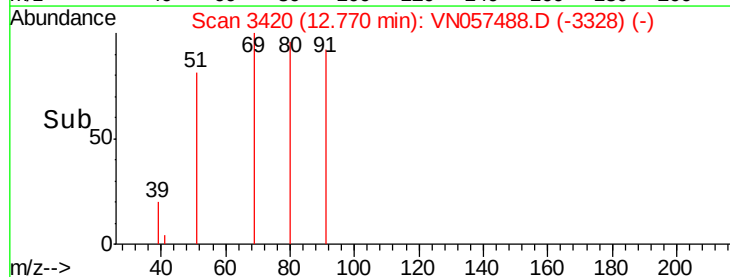
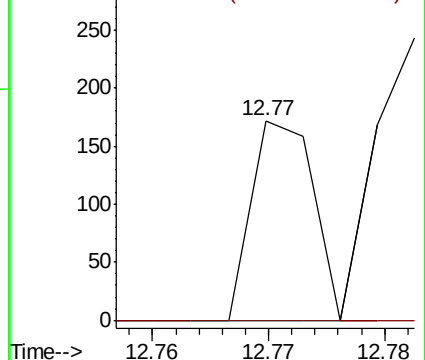
91 100

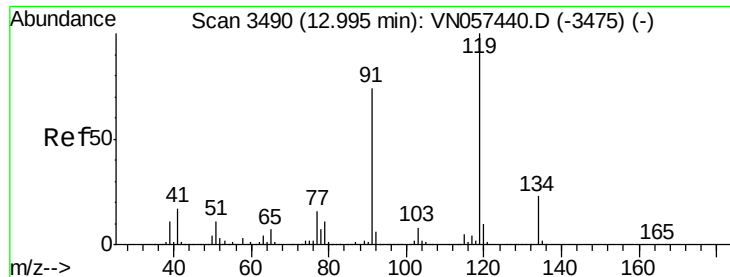
126 0.0 15.0 45.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

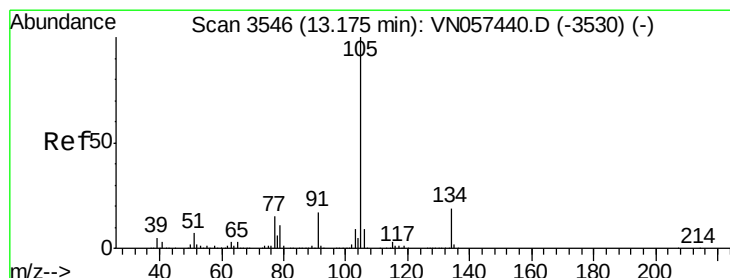
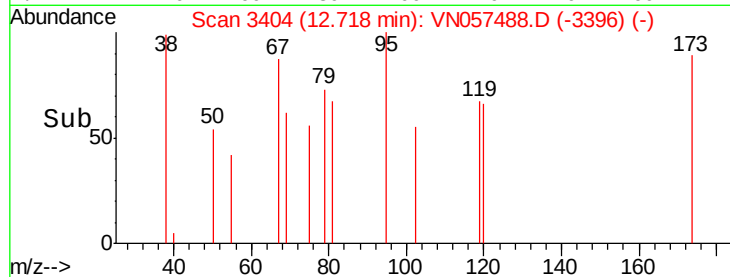
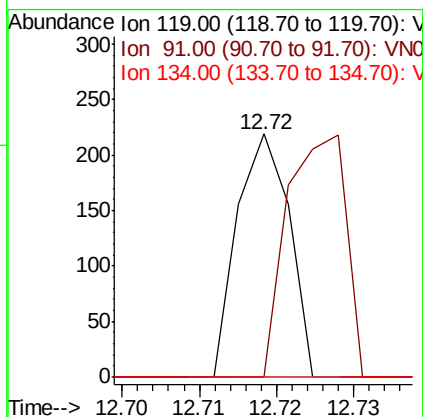
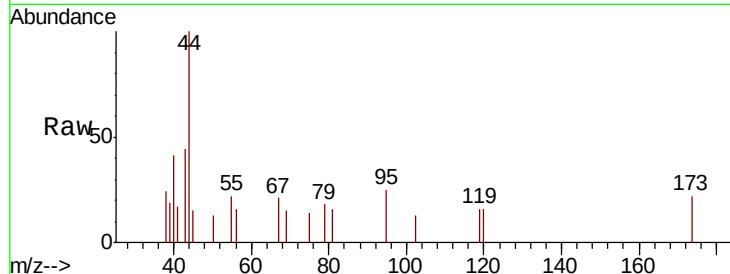




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.72 min Scan# 3404
 Delta R.T. -0.28 min
 Lab File: VN057488.D
 Acq: 23 Aug 2019 22:10

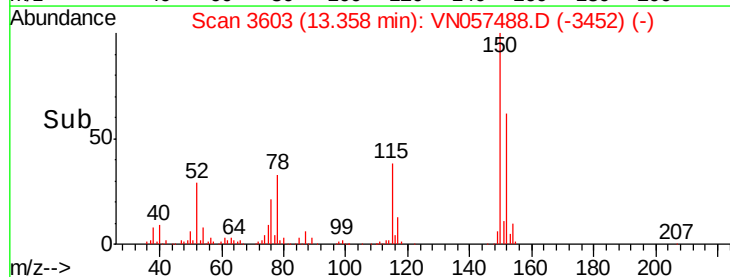
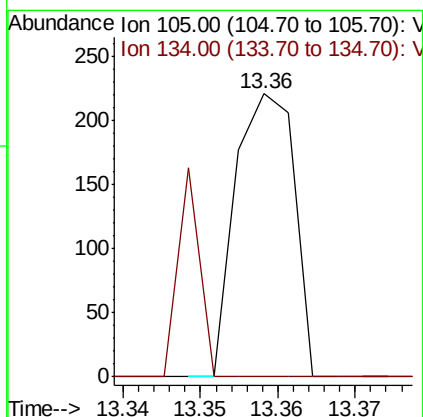
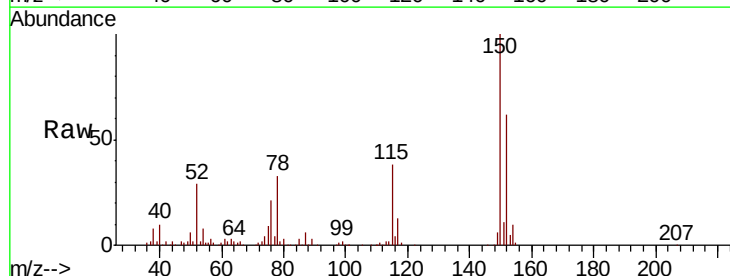
Instrument :
 MSVOA_N
 ClientSampleId :
 T2-S3(2.5)

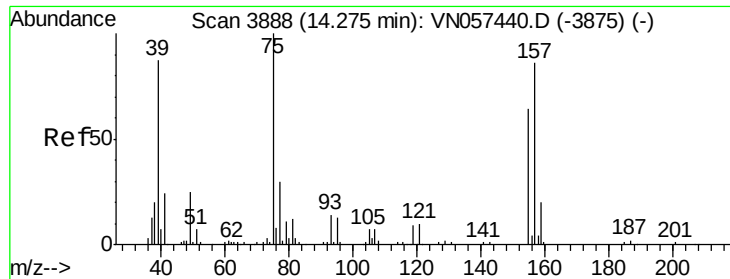
Tgt Ion:119 Resp: 102
 Ion Ratio Lower Upper
 119 100
 91 112.7 37.0 111.0#
 134 0.0 12.2 36.6#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.18 min
 Lab File: VN057488.D
 Acq: 23 Aug 2019 22:10

Tgt Ion:105 Resp: 116
 Ion Ratio Lower Upper
 105 100
 134 26.7 9.3 27.9





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.22 min Scan# 3872

Delta R.T. -0.05 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

T2-S3(2.5)

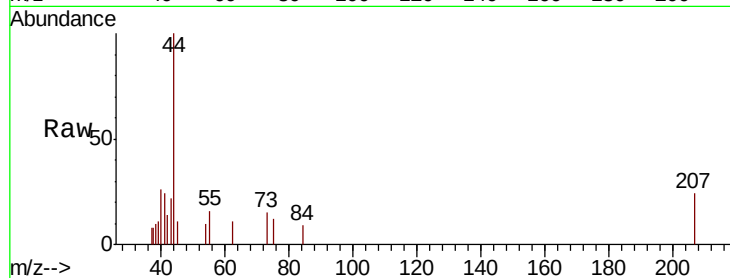
Tgt Ion: 75 Resp: 108

Ion Ratio Lower Upper

75 100

155 0.0 31.6 94.7#

157 0.0 43.3 129.8#



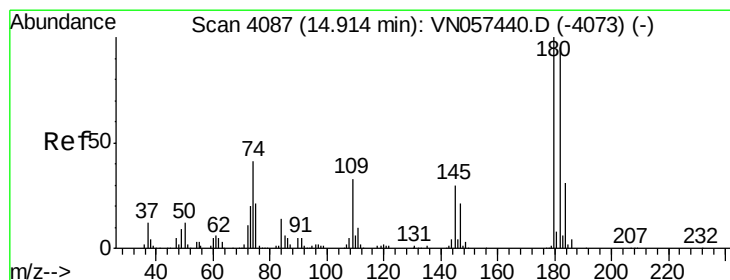
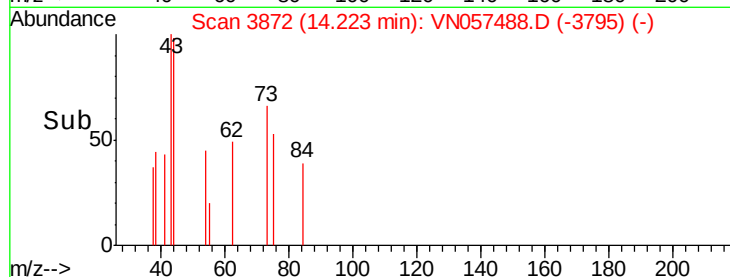
Abundance Ion 74.90 (74.60 to 75.60): VN057440.D (-3875) (-)

Ion 154.80 (154.50 to 155.50): VN057440.D (-3875) (-)

Ion 156.80 (156.50 to 157.50): VN057440.D (-3875) (-)

14.22

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 5.406 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

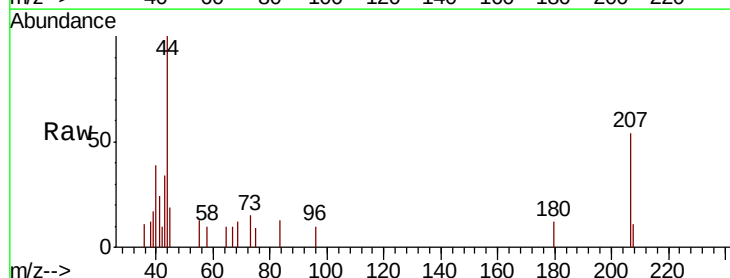
Tgt Ion: 180 Resp: 69

Ion Ratio Lower Upper

180 100

182 0.0 46.7 140.1#

145 0.0 15.6 46.8#



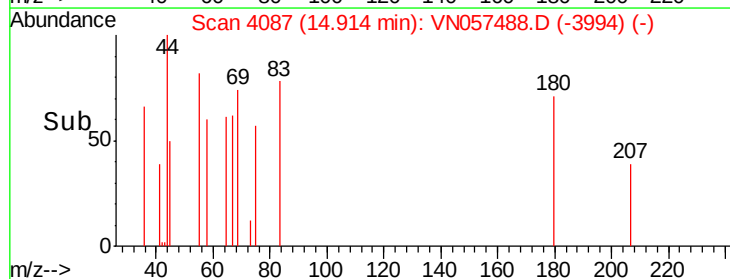
Abundance Ion 179.80 (179.50 to 180.50): VN057440.D (-4073) (-)

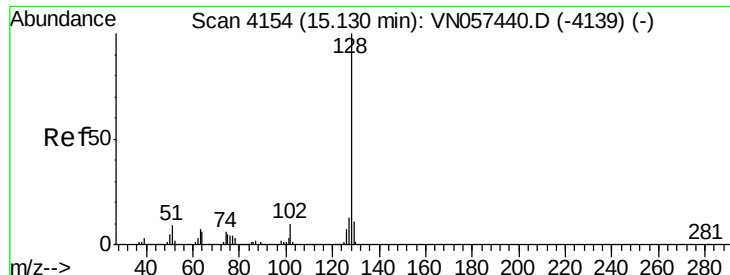
Ion 181.80 (181.50 to 182.50): VN057440.D (-4073) (-)

Ion 144.80 (144.50 to 145.50): VN057440.D (-4073) (-)

14.91

Time-->





#95

Naphthalene

Concen: 4.407 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

T2-S3(2.5)

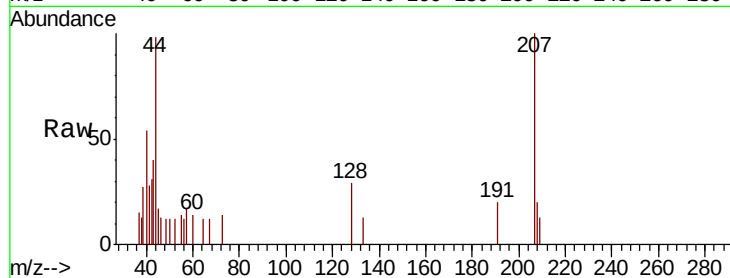
Tgt Ion:128 Resp: 424

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

