

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
 Data File : VN055409.D
 Acq On : 6 May 2019 11:09
 Operator : JC/SP
 Sample : PB119426TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB119426TB

Quant Time: May 07 01:07:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	481051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	836562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	796866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	244471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	339768	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
35) Dibromofluoromethane	7.59	113	272184	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	10.09	98	1050635	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.40	95	350422	56.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.10%	

Target Compounds

					Qvalue	
16) Acetone	3.82	43	7726	3.940	ug/l	96
17) Carbon Disulfide	4.06	76	2838	0.229	ug/l #	74
18) Methyl Acetate	4.34	43	3851	Below Cal	#	86
20) Methylene Chloride	4.55	84	5946	0.993	ug/l	87
29) Tetrahydrofuran	7.21	42	1664	1.036	ug/l #	50
31) Cyclohexane	7.67	56	10744	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	36322	4.533	ug/l #	50
38) Carbon Tetrachloride	7.67	117	44887	5.807	ug/l #	16
41) Methacrylonitrile	7.22	41	668	0.938	ug/l #	45
43) Isopropyl Acetate	8.17	43	12500	1.267	ug/l #	91
48) Methyl methacrylate	9.18	41	6438	1.327	ug/l #	18
49) 1,4-Dioxane	9.26	88	158	3.150	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	4771	0.859	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	46154	5.338	ug/l #	69
57) 1,3-Dichloropropane	10.76	76	8735	0.989	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.90	63	64	12.437	ug/l #	52
59) 2-Hexanone	10.76	43	151330	43.527	ug/l #	54
71) Bromoform	12.40	173	1734	0.512	ug/l #	1
73) Isopropylbenzene	12.25	105	1497	Below Cal		91
74) N-amyl acetate	12.07	43	1576	0.251	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.50	83	151	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	181425	39.391	ug/l #	100
77) Bromobenzene	12.52	156	535	Below Cal		85
79) 2-Chlorotoluene	12.67	91	1633	Below Cal		72
80) 1,3,5-Trimethylbenzene	12.73	105	12120	0.632	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.40	75	181425	140.635	ug/l #	7
83) tert-Butylbenzene	12.99	119	1328	Below Cal		87
89) n-Butylbenzene	13.61	91	2907	0.239	ug/l	91
93) 1,2,4-Trichlorobenzene	14.91	180	1639	3.789	ug/l #	85
94) Hexachlorobutadiene	15.01	225	976	Below Cal		96
95) Naphthalene	15.14	128	3044	3.746	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	1546	3.078	ug/l	83

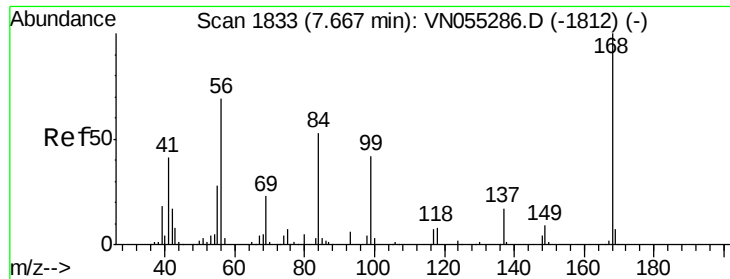
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
Data File : VN055409.D
Acq On : 6 May 2019 11:09
Operator : JC/SP
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

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

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

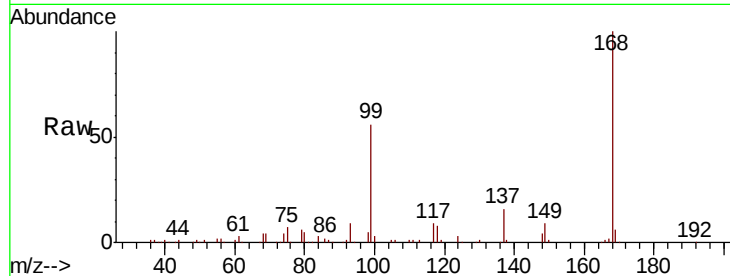
PB119426TB

Tot Ion:168 Resp: 481051

Ion Ratio Lower Upper

168 100

99 56.4 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055286.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055286.D (-1812) (-)

7.67

200000

150000

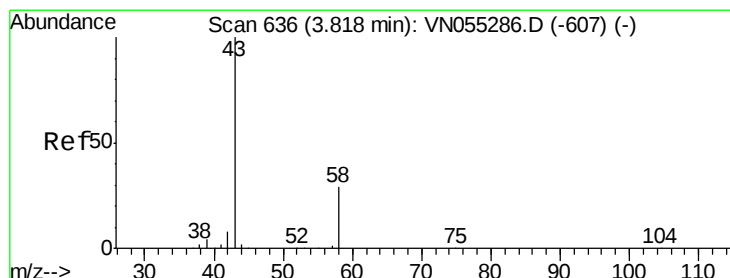
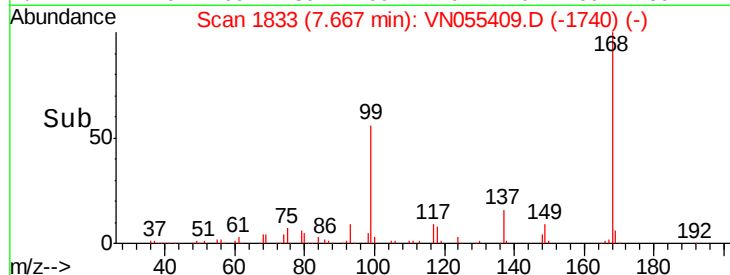
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 3.940 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055409.D

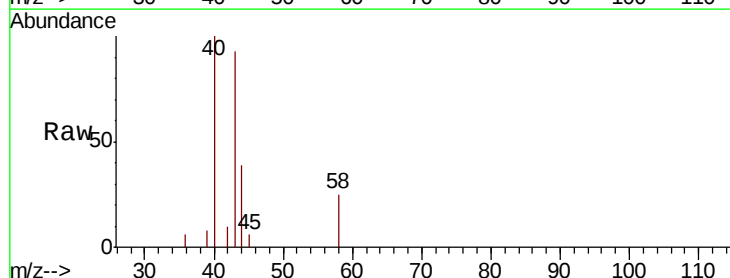
Acq: 6 May 2019 11:09

Tgt Ion: 43 Resp: 7726

Ion Ratio Lower Upper

43 100

58 27.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-607) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-607) (-)

3.82

3000

2500

2000

1500

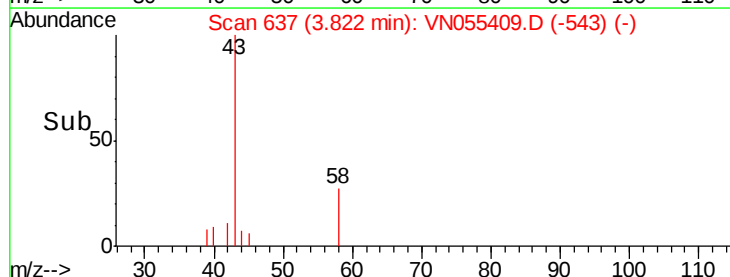
1000

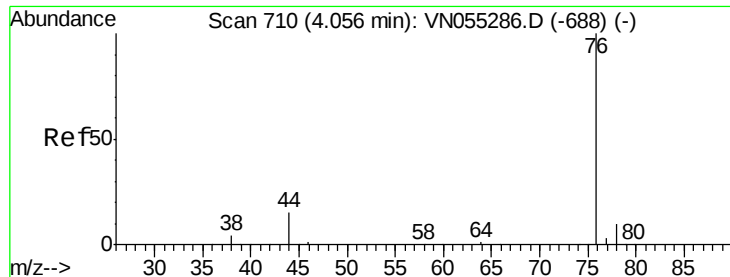
500

0

3.75 3.80 3.85 3.90

Time-->

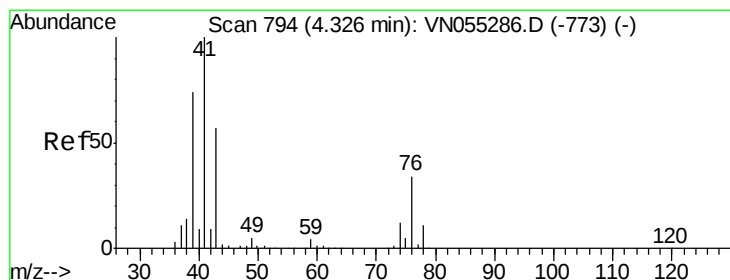
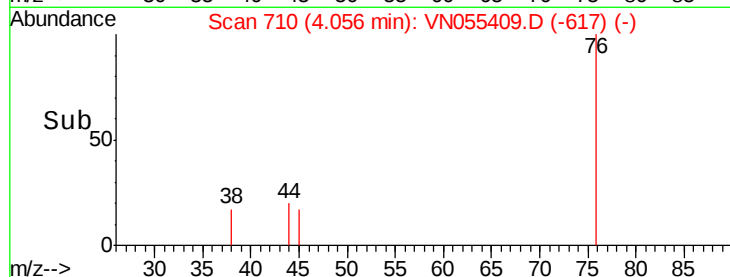
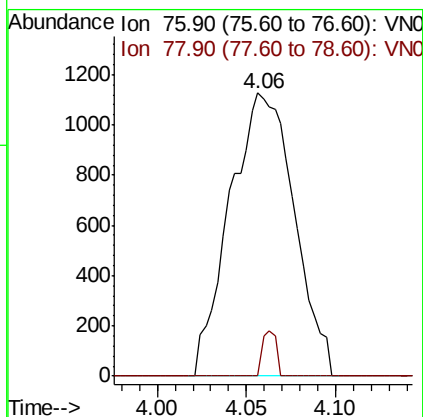
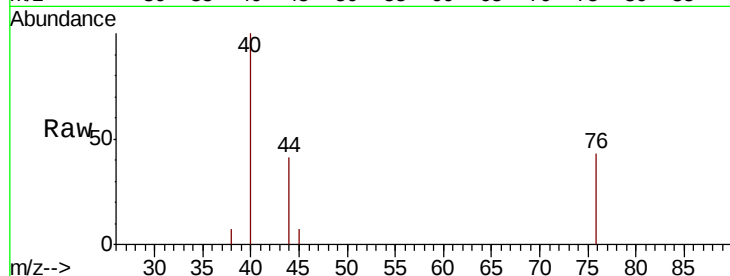




#17
Carbon Disulfide
Concen: 0.229 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055409.D
Acq: 6 May 2019 11:09

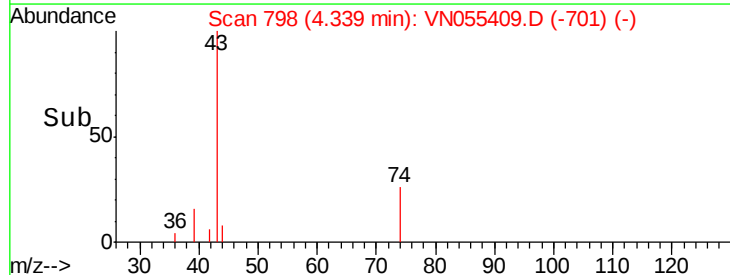
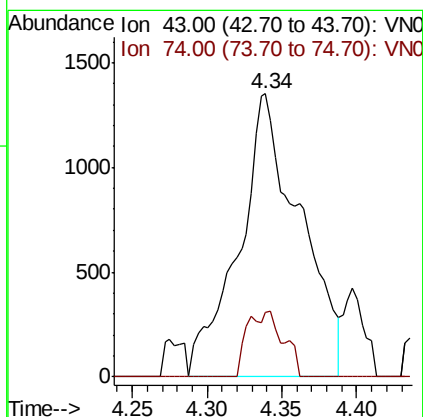
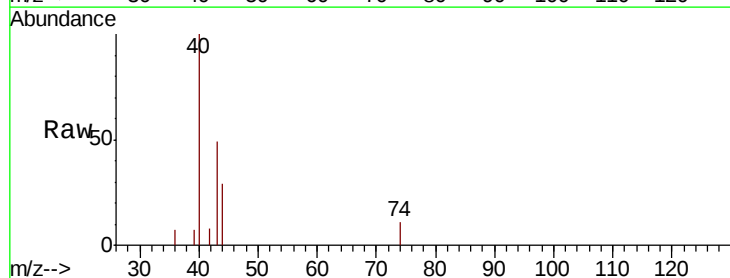
Instrument :
MSVOA_N
ClientSampled :
PB119426TB

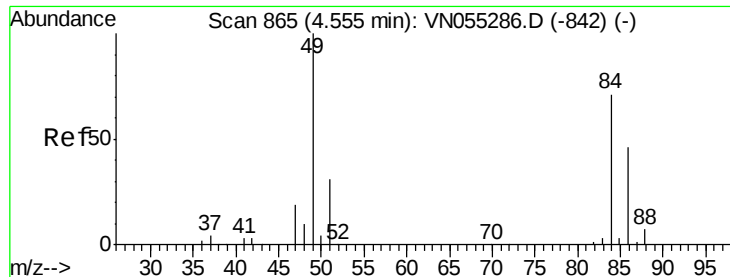
Tot Ion: 76 Resp: 2838
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN055409.D
Acq: 6 May 2019 11:09

Tgt Ion: 43 Resp: 3851
Ion Ratio Lower Upper
43 100
74 13.6 15.8 23.8#

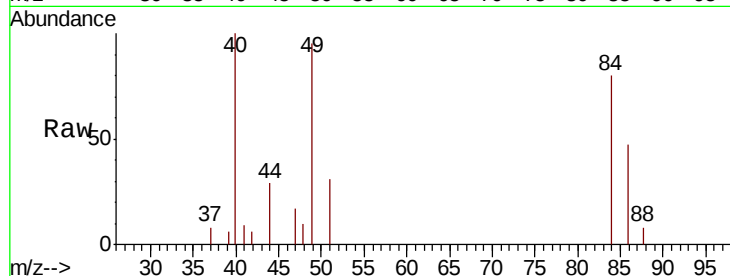




#20
Methvlene Chloride
Concen: 0.993 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055409.D
Acq: 6 May 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
PB119426TB

Tot Ion:	84	Resp:	5946
Ion	Ratio	Lower	Upper
84	100		
49	118.9	112.4	168.6
51	38.9	34.6	51.8
86	58.3	51.9	77.9



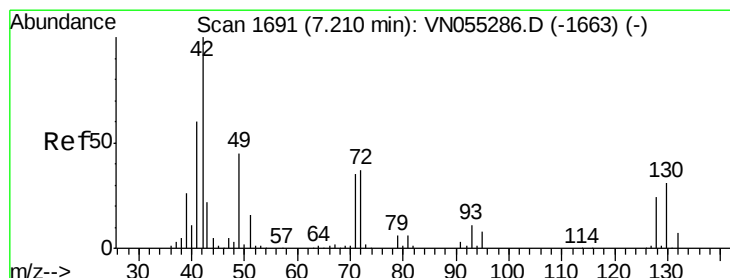
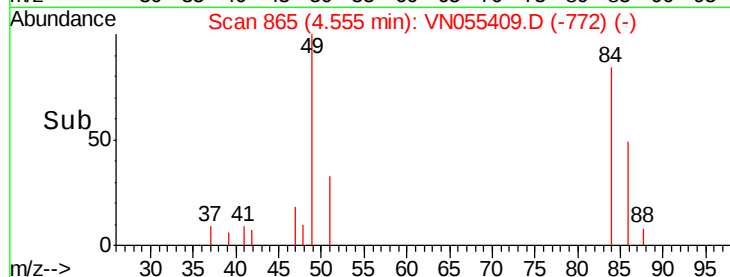
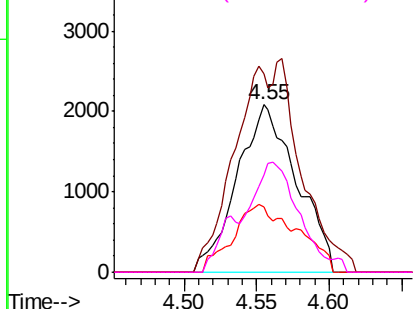
Abundance

Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

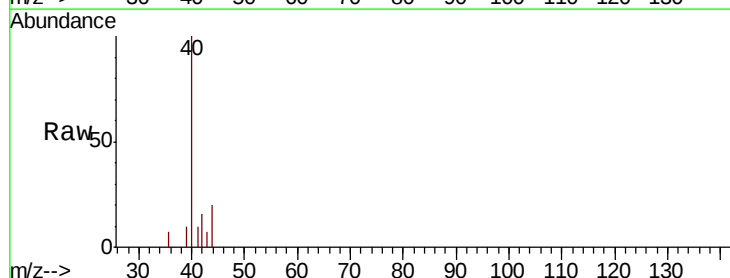
Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#29
Tetrahydrofuran
Concen: 1.036 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055409.D
Acq: 6 May 2019 11:09

Tgt Ion:	42	Resp:	1664
Ion	Ratio	Lower	Upper
42	100		
72	4.1	29.0	43.6#
71	8.5	27.1	40.7#

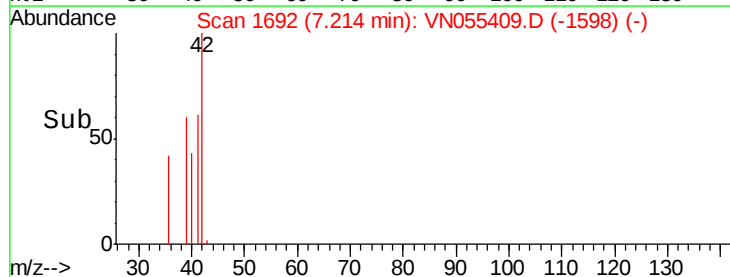
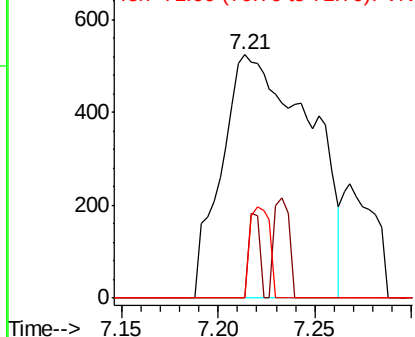


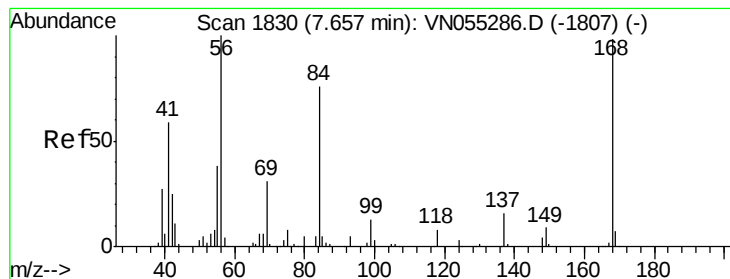
Abundance

Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO





#31

Cyclohexane

Concen: 1.085 ug/l

RT: 7.67 min Scan# 1835

Delta R.T. 0.02 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

PB119426TB

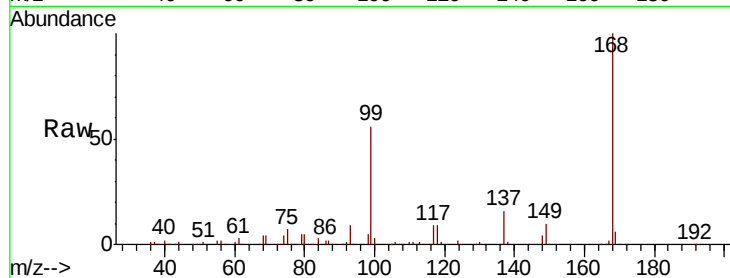
Tot Ion: 56 Resp: 10744

Ion Ratio Lower Upper

56 100

69 159.2 25.2 37.8#

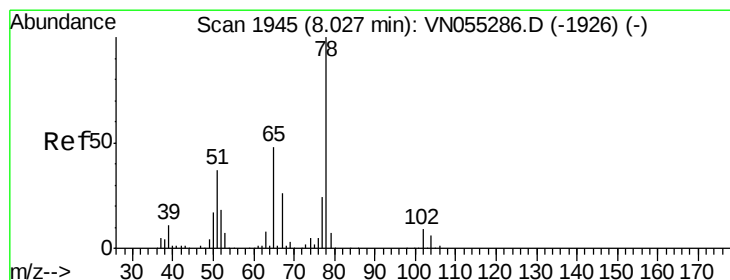
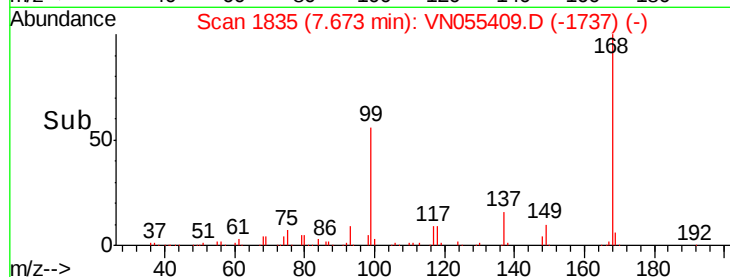
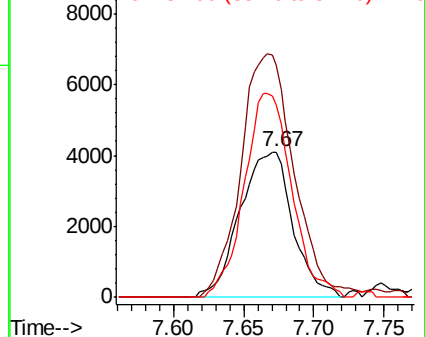
84 131.9 61.1 91.7#



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: 53.989 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055409.D

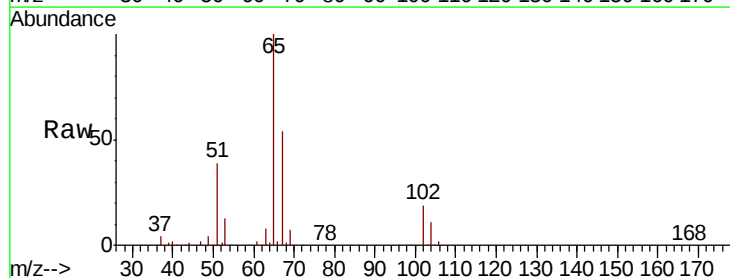
Acq: 6 May 2019 11:09

Tgt Ion: 65 Resp: 339768

Ion Ratio Lower Upper

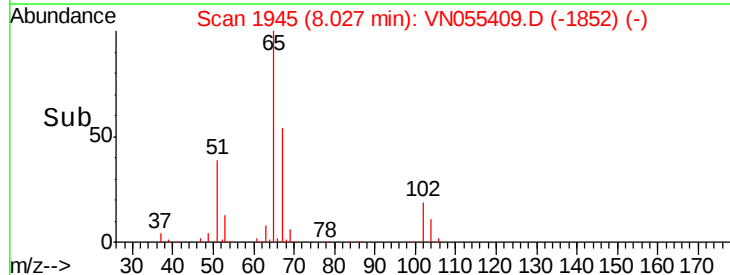
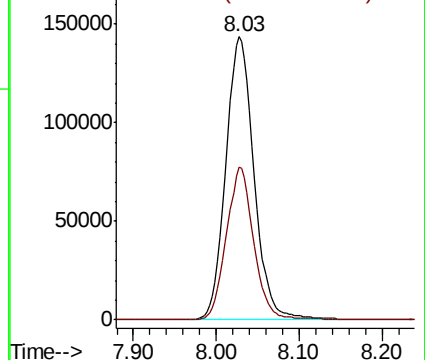
65 100

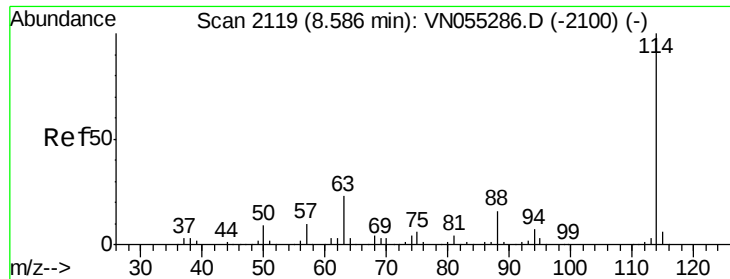
67 52.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

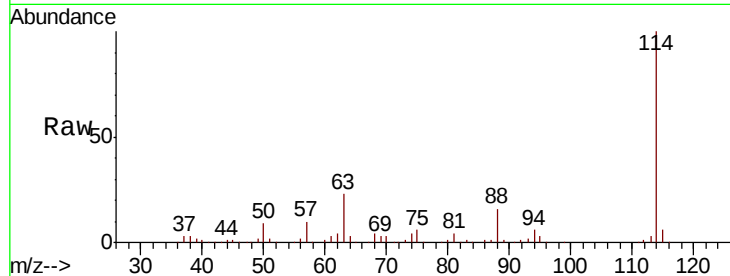




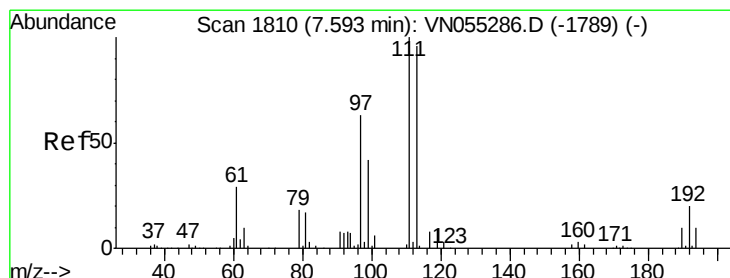
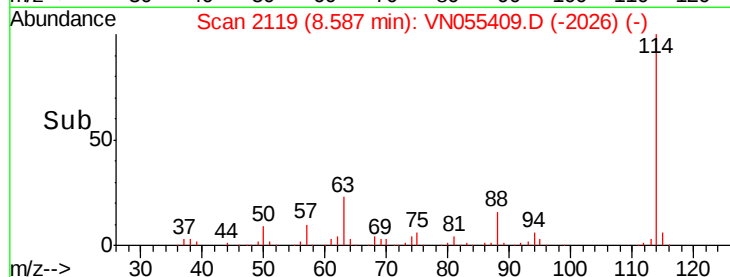
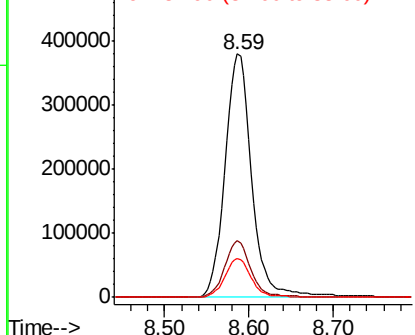
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055409.D
 Acq: 6 May 2019 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 PB119426TB

Tot Ion:114 Resp: 836562
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.2
 88 16.1 0.0 31.6

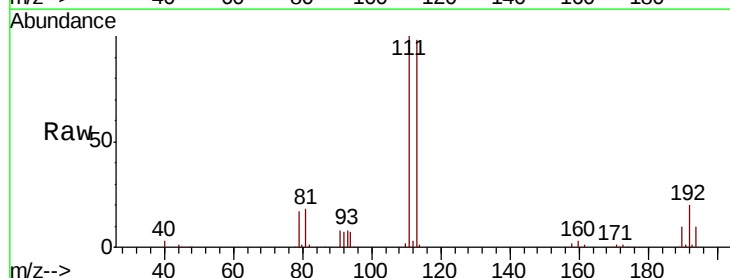


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

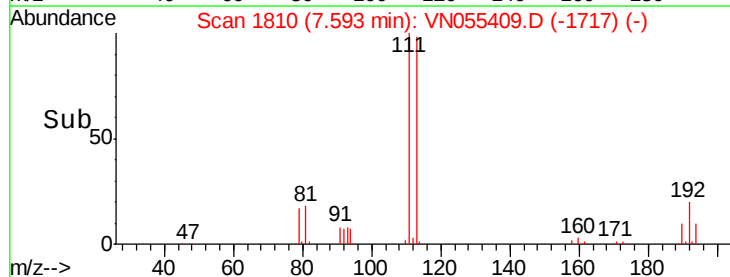
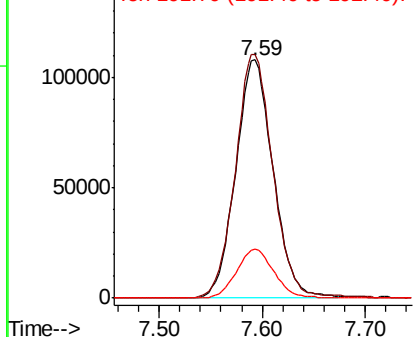


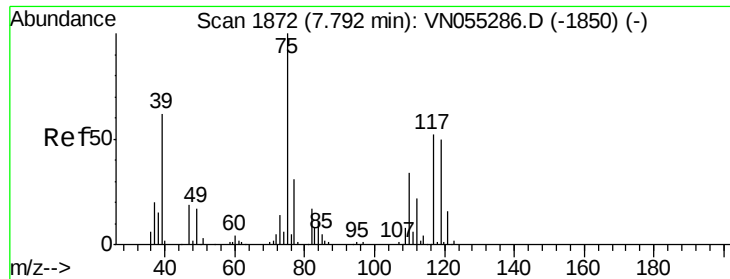
#35
 Dibromofluoromethane
 Concen: 49.570 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055409.D
 Acq: 6 May 2019 11:09

Tgt Ion:113 Resp: 272184
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.3 123.5
 192 20.7 17.0 25.6



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

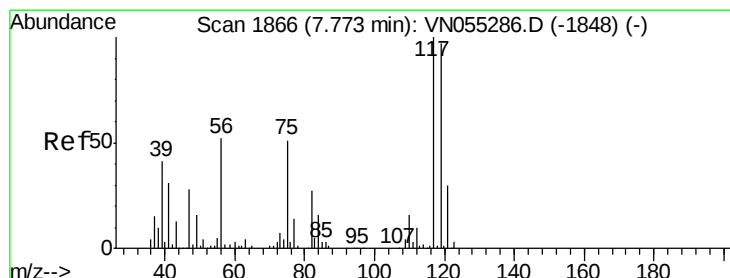
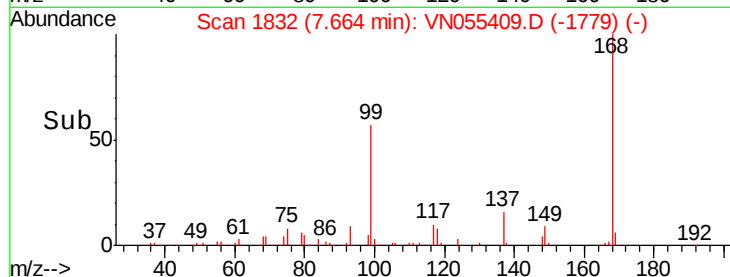
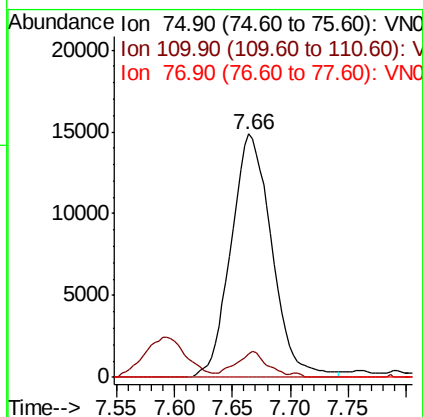
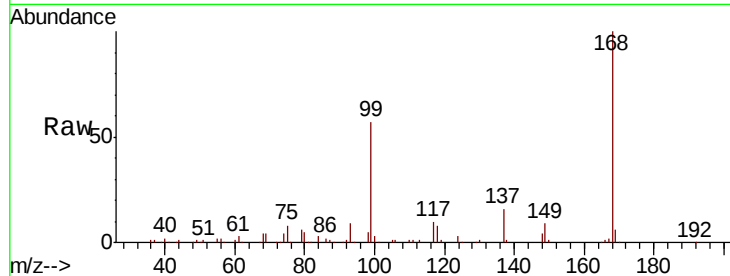




#36
 1,1-Dichloropropene
 Concen: 4.533 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055409.D
 Acq: 6 May 2019 11:09

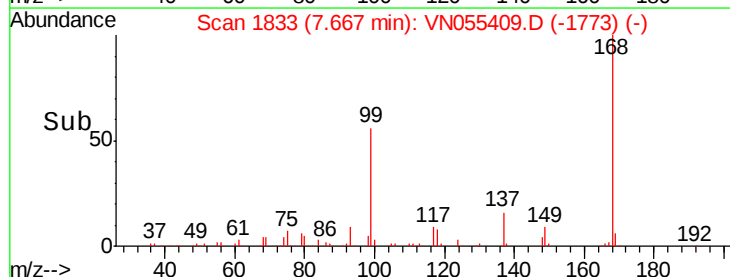
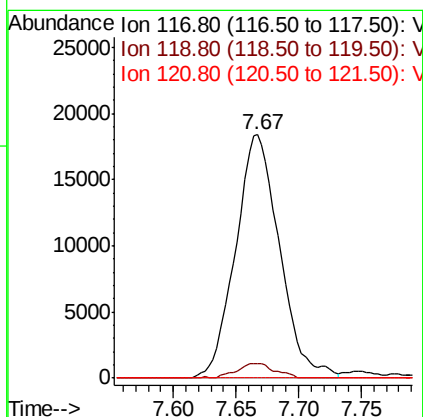
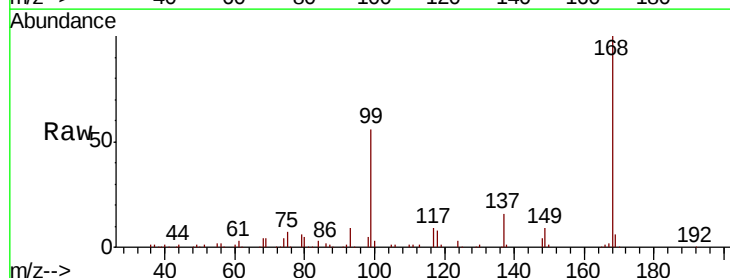
Instrument :
 MSVOA_N
 ClientSampleId :
 PB119426TB

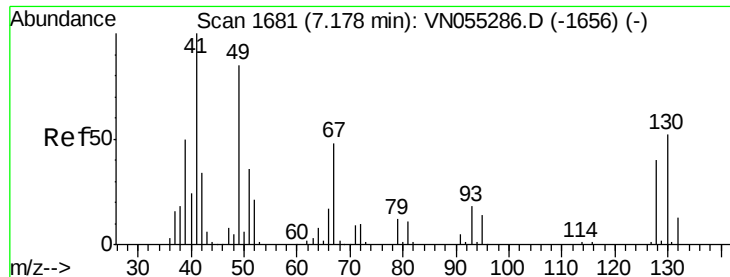
Tot Ion: 75 Resp: 36322
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.8 50.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.807 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055409.D
 Acq: 6 May 2019 11:09

Tgt Ion: 117 Resp: 44887
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.0 115.6#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 0.938 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.04 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

PB119426TB

Tot Ion: 41 Resp: 668

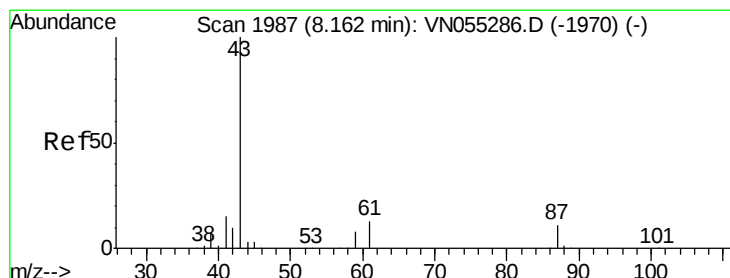
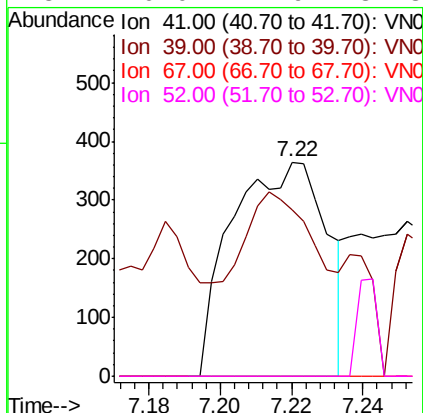
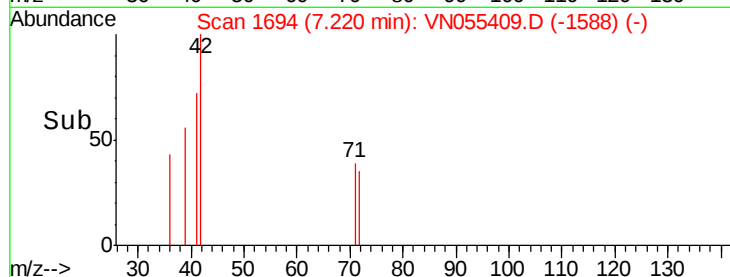
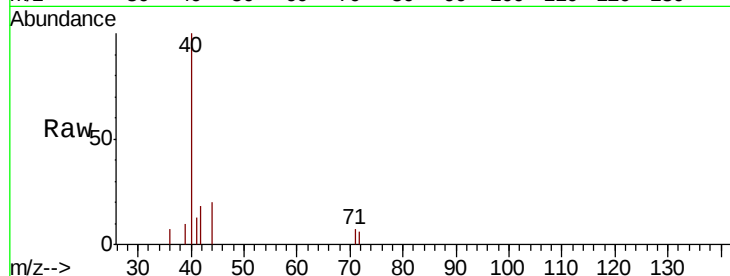
Ion Ratio Lower Upper

41 100

39 75.7 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#



#43

Isopropyl Acetate

Concen: 1.267 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

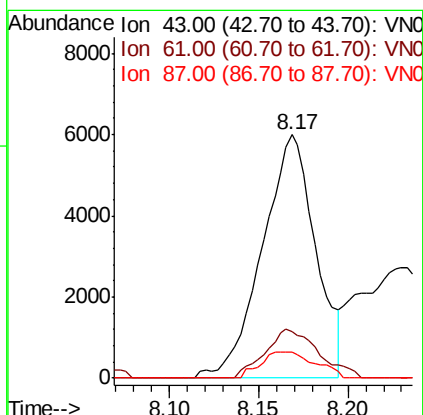
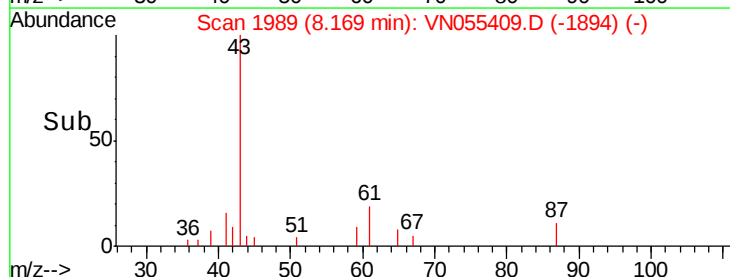
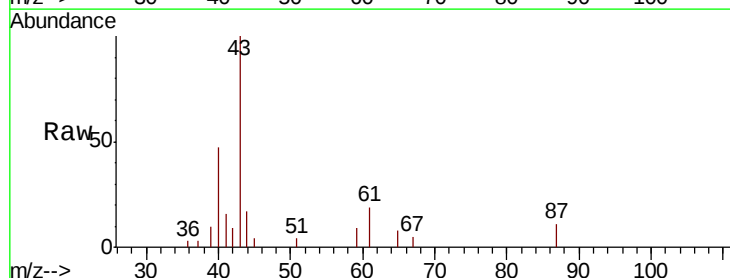
Tgt Ion: 43 Resp: 12500

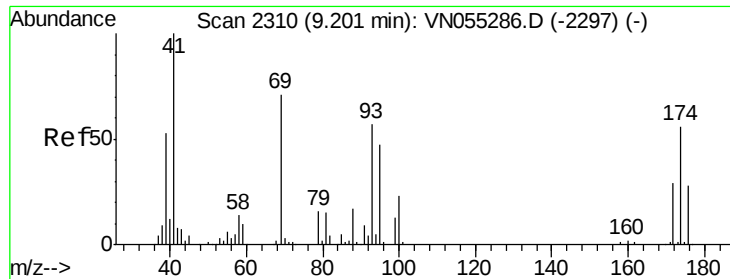
Ion Ratio Lower Upper

43 100

61 20.1 20.8 31.2#

87 11.1 8.5 12.7

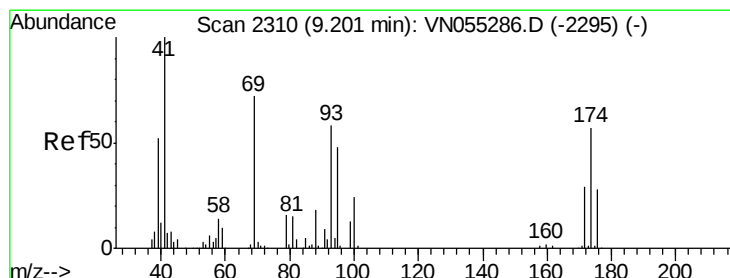
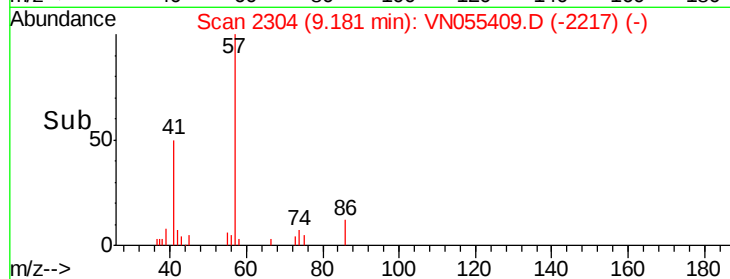
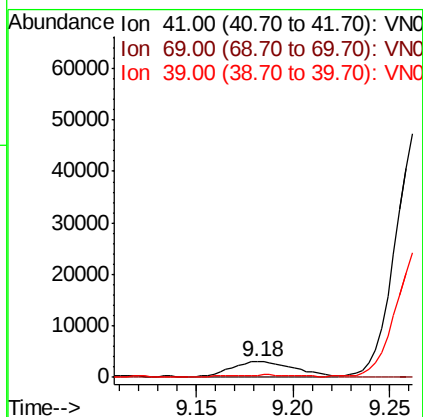
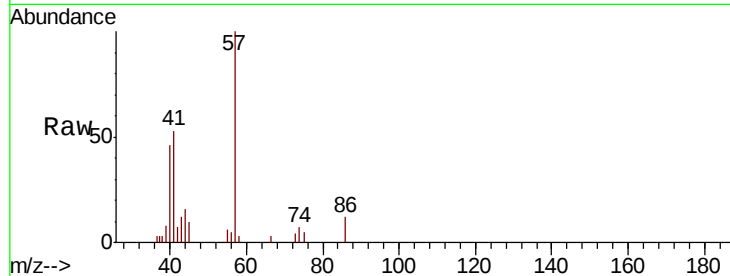




#48
Methvl methacrylate
Concen: 1.327 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN055409.D
Acq: 6 May 2019 11:09

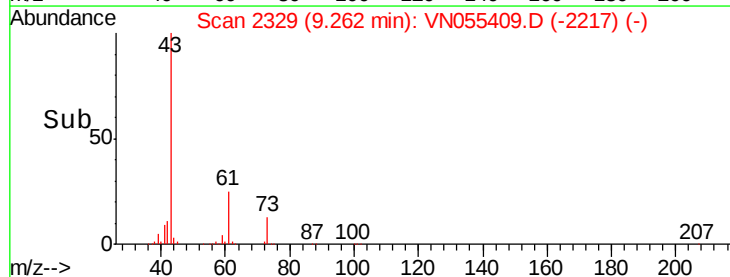
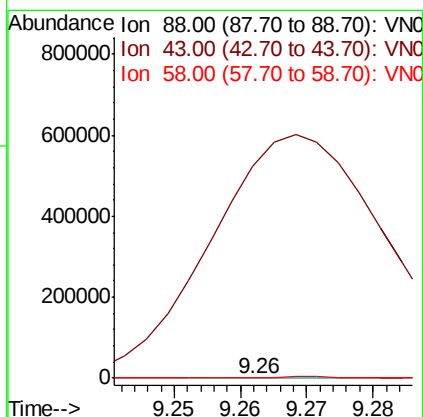
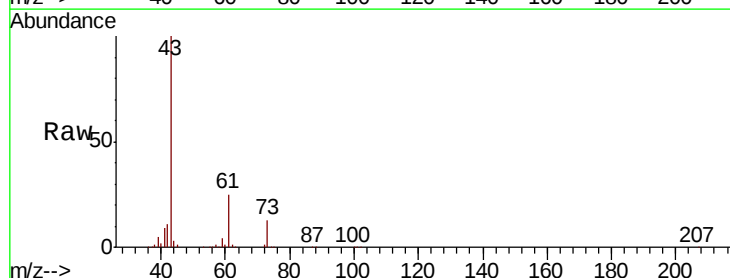
Instrument :
MSVOA_N
ClientSampleId :
PB119426TB

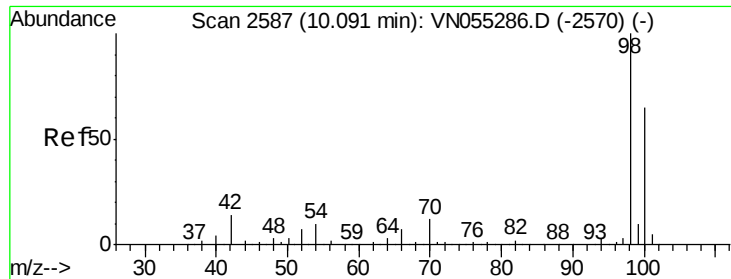
Tot Ion: 41 Resp: 6438
Ion Ratio Lower Upper
41 100
69 0.0 58.6 87.8#
39 0.0 43.8 65.6#



#49
1,4-Dioxane
Concen: 3.150 ug/l
RT: 9.26 min Scan# 2329
Delta R.T. 0.06 min
Lab File: VN055409.D
Acq: 6 May 2019 11:09

Tgt Ion: 88 Resp: 158
Ion Ratio Lower Upper
88 100
43 747796.8 33.3 49.9#
58 3262.0 62.7 94.1#





#50

Toluene-d8

Concen: 52.990 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

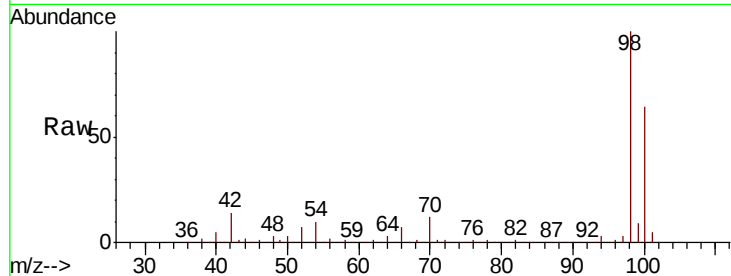
PB119426TB

Tot Ion: 98 Resp: 1050635

Ion Ratio Lower Upper

98 100

100 62.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

600000

500000

400000

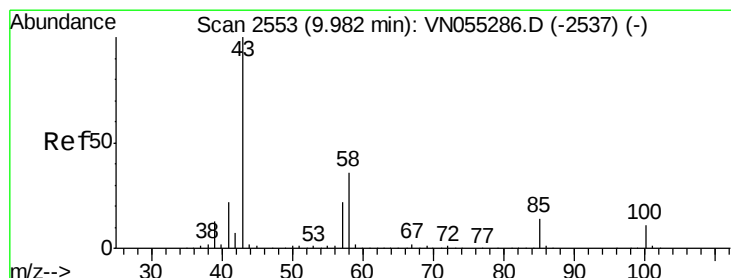
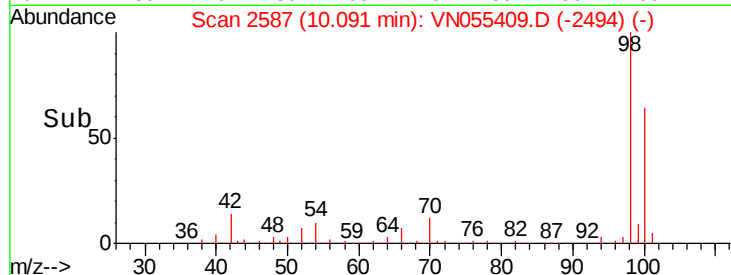
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.859 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055409.D

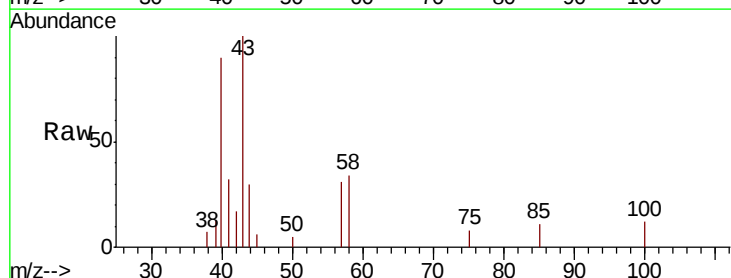
Acq: 6 May 2019 11:09

Tgt Ion: 43 Resp: 4771

Ion Ratio Lower Upper

43 100

58 35.2 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

5000

4000

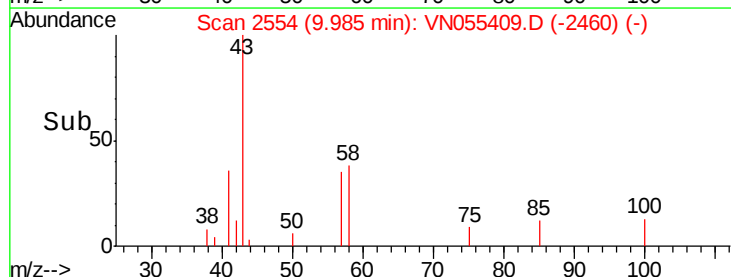
3000

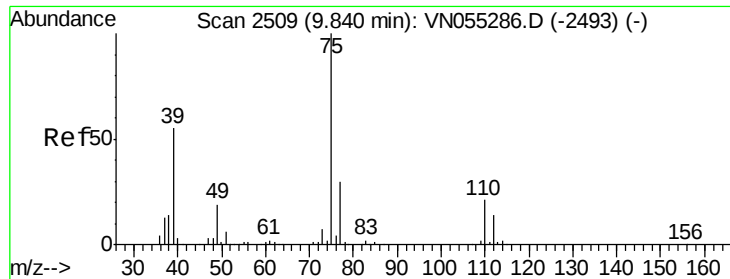
2000

1000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 5.338 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

PB119426TB

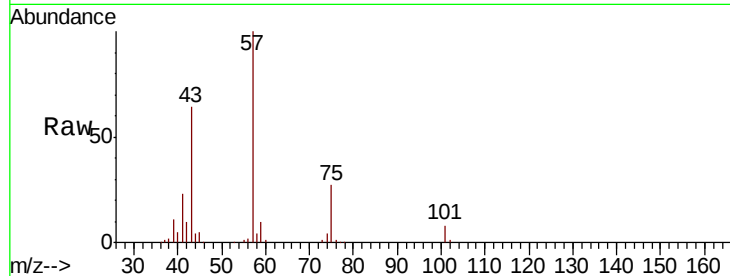
Tot Ion: 75 Resp: 46154

Ion Ratio Lower Upper

75 100

77 0.7 24.2 36.2#

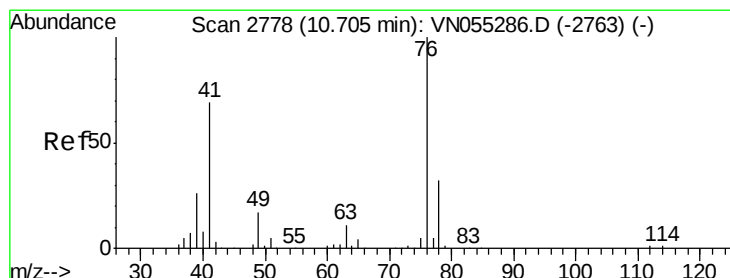
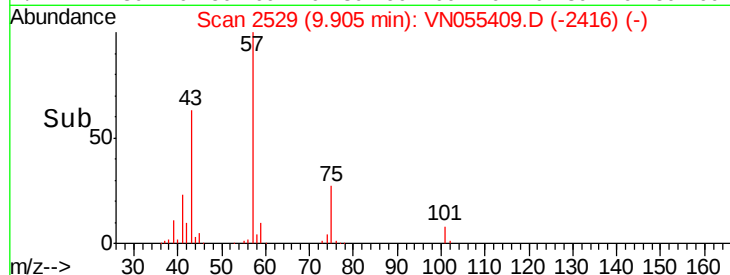
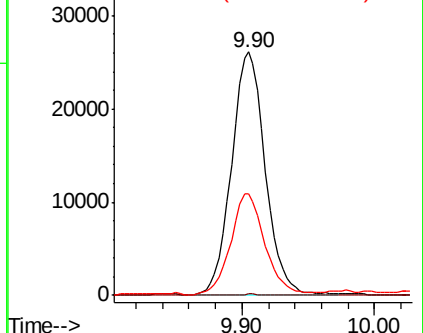
39 41.7 44.2 66.2#



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: 0.989 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN055409.D

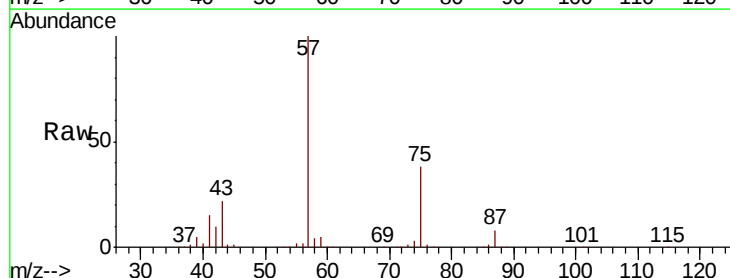
Acq: 6 May 2019 11:09

Tgt Ion: 76 Resp: 8735

Ion Ratio Lower Upper

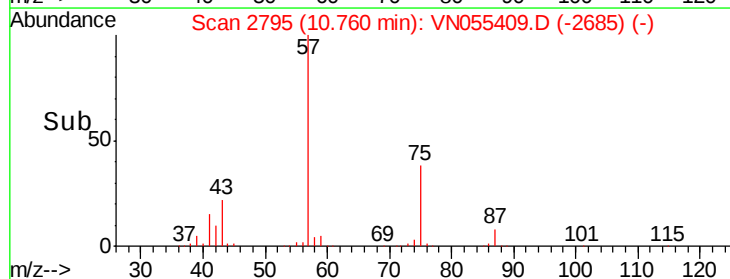
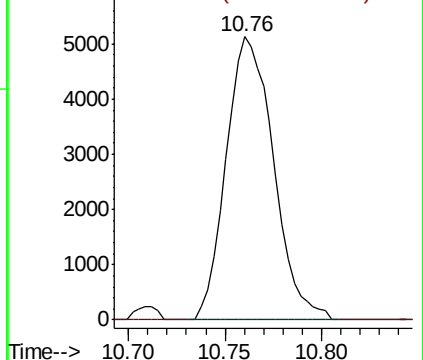
76 100

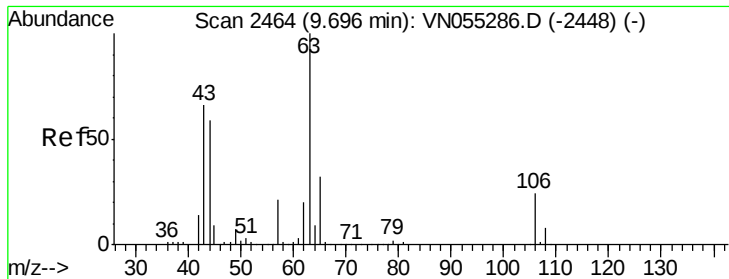
78 0.0 25.6 38.4#



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: 12.437 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.21 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

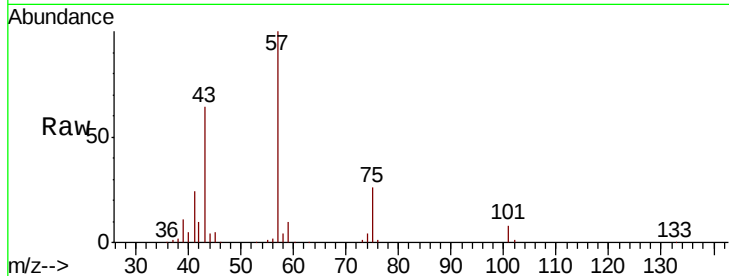
PB119426TB

Tot Ion: 63 Resp: 64

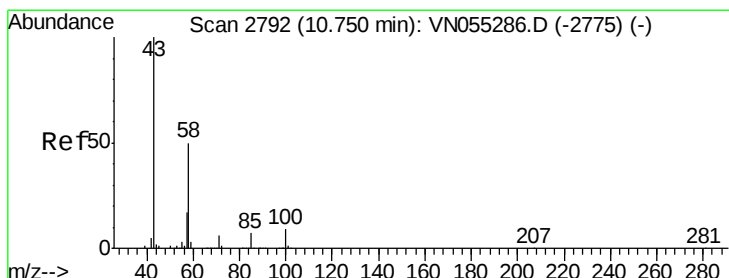
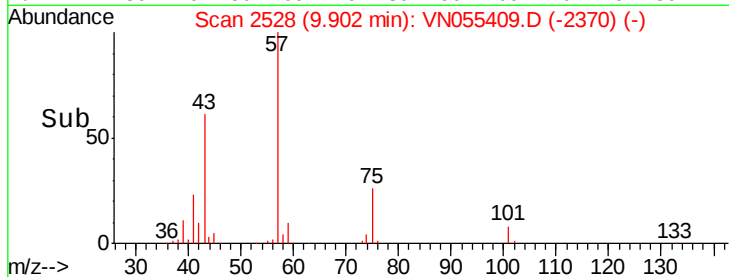
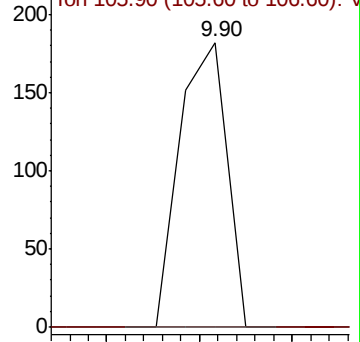
Ion Ratio Lower Upper

63 100

106 0.0 19.0 28.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0



#59

2-Hexanone

Concen: 43.527 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN055409.D

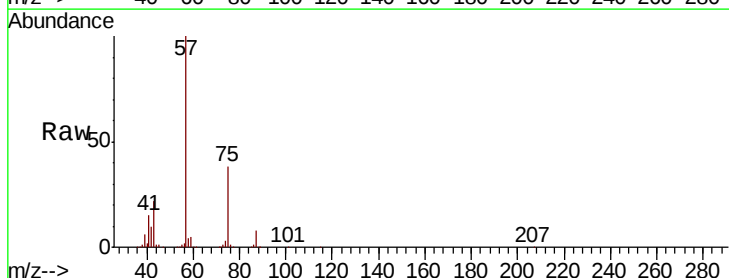
Acq: 6 May 2019 11:09

Tgt Ion: 43 Resp: 151330

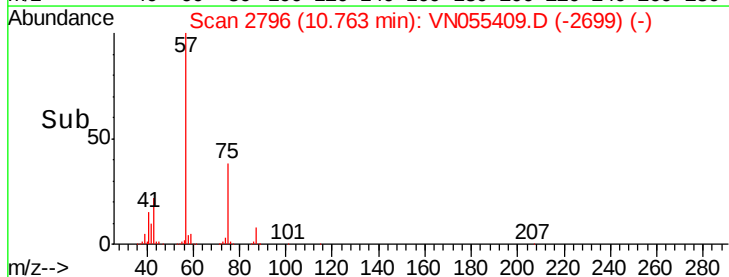
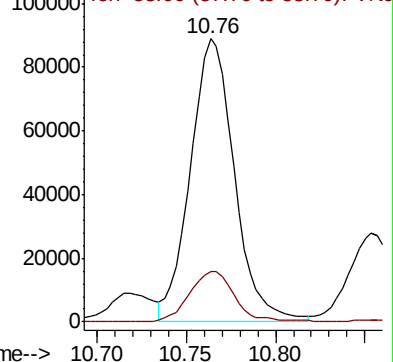
Ion Ratio Lower Upper

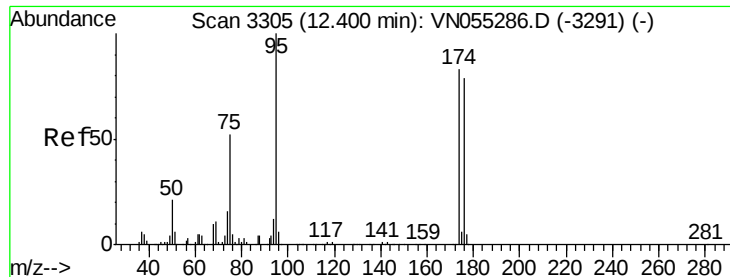
43 100

58 18.4 24.9 74.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

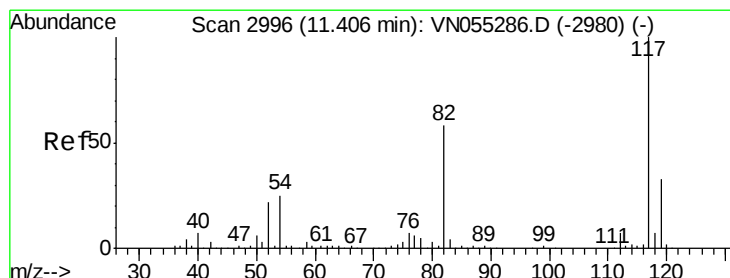
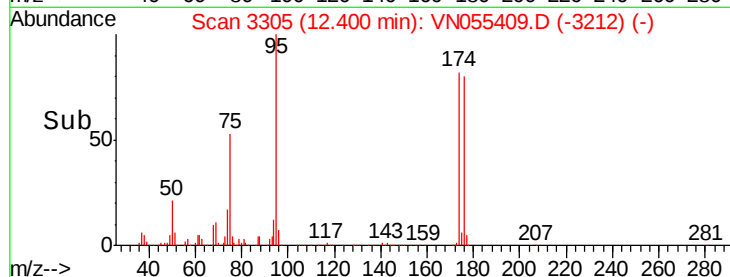
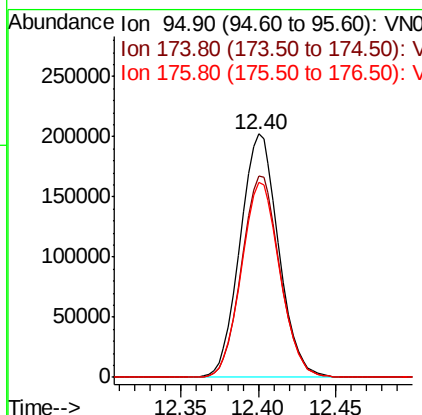
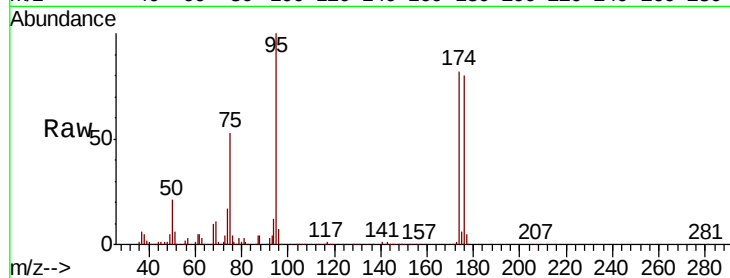




#62
4-Bromofluorobenzene
Concen: 56.550 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055409.D
Acq: 6 May 2019 11:09

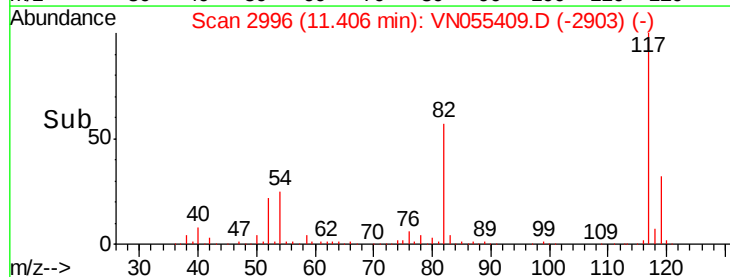
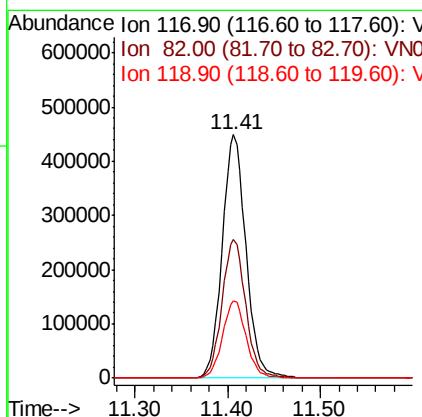
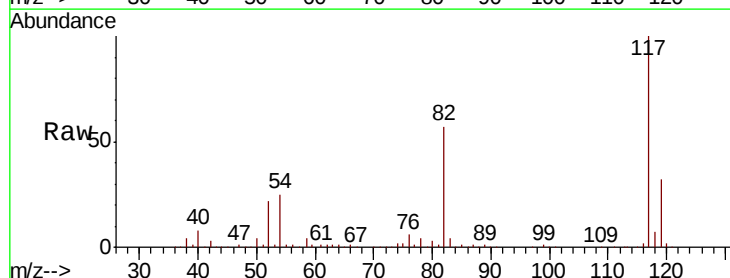
Instrument :
MSVOA_N
ClientSampled :
PB119426TB

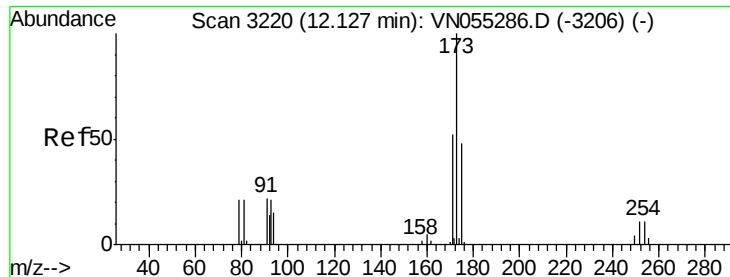
Tot Ion: 95 Resp: 350422
Ion Ratio Lower Upper
95 100
174 82.3 0.0 166.6
176 80.2 0.0 157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055409.D
Acq: 6 May 2019 11:09

Tgt Ion: 117 Resp: 796866
Ion Ratio Lower Upper
117 100
82 56.9 46.2 69.4
119 31.8 26.6 40.0





#71

Bromoform

Concen: 0.512 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

PB119426TB

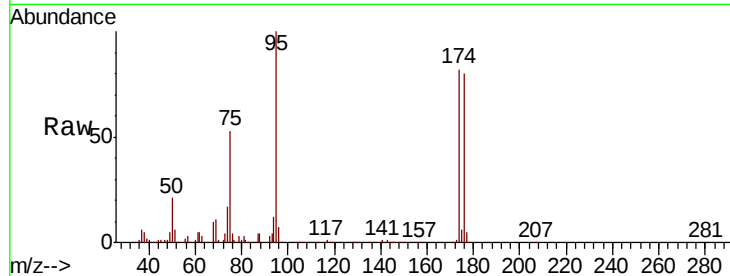
Tot Ion:173 Resp: 1734

Ion Ratio Lower Upper

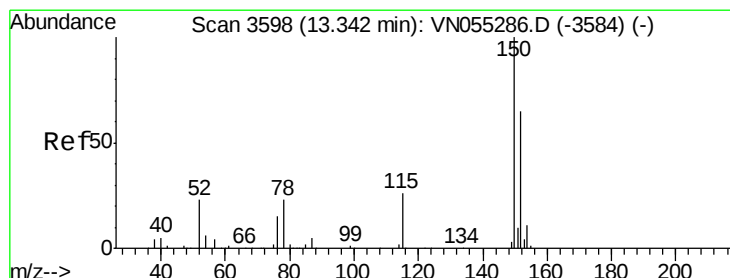
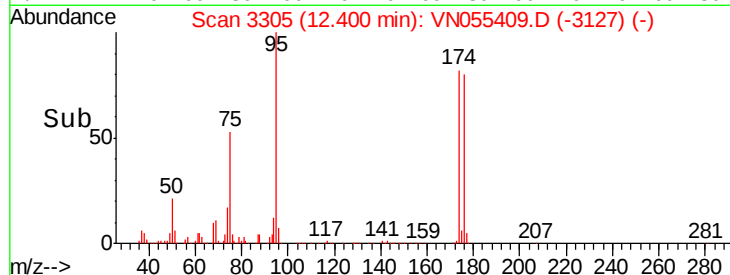
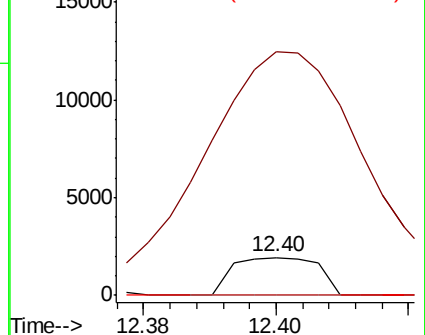
173 100

175 1095.6 23.6 71.0#

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: VN055409.D

Acq: 6 May 2019 11:09

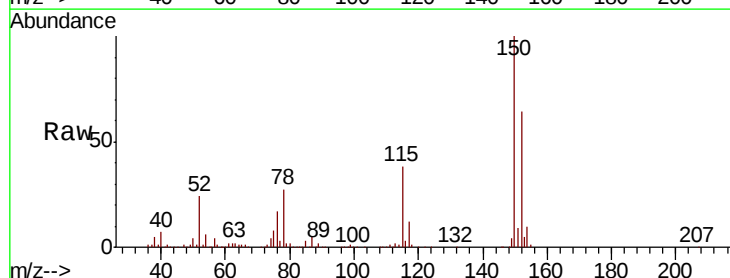
Tgt Ion:152 Resp: 244471

Ion Ratio Lower Upper

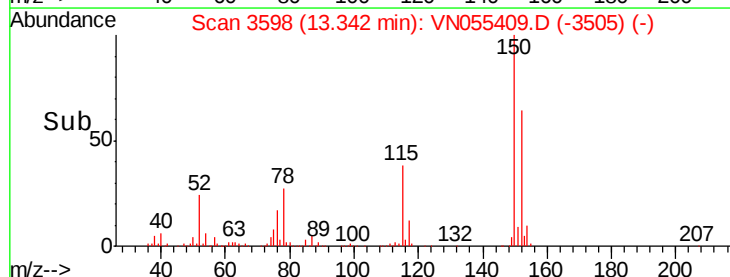
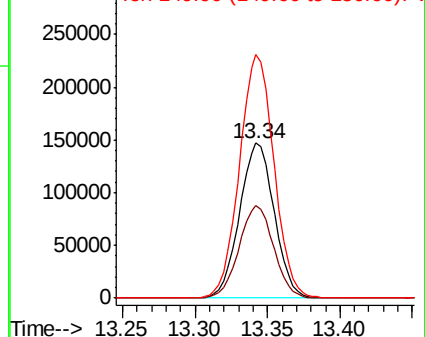
152 100

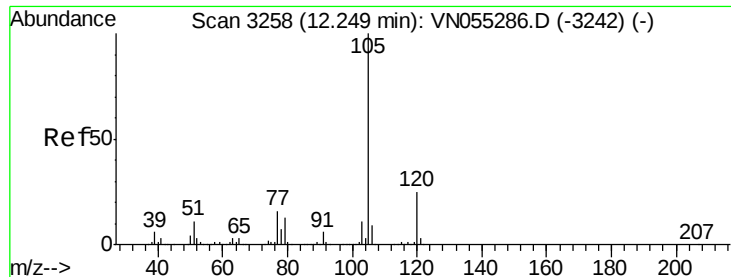
115 59.5 29.0 87.0

150 156.4 0.0 345.6



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: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

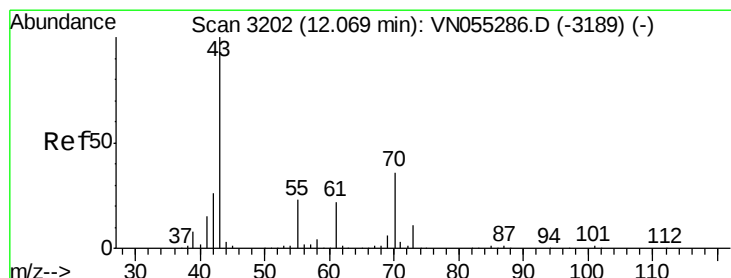
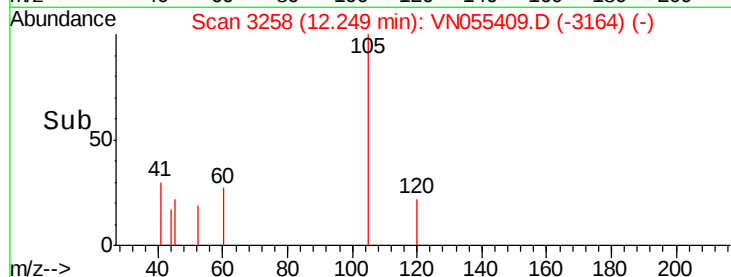
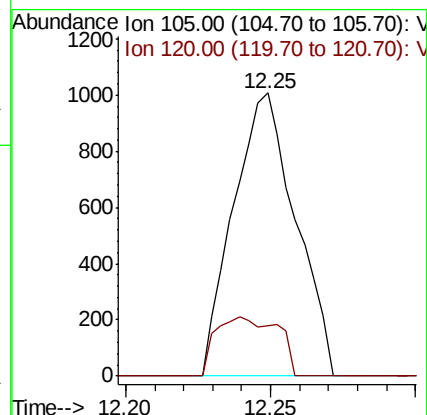
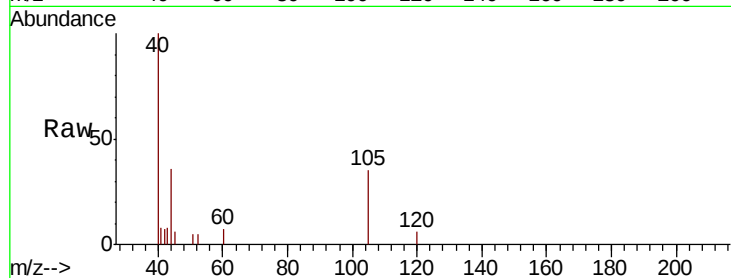
PB119426TB

Tot Ion:105 Resp: 1497

Ion Ratio Lower Upper

105 100

120 21.0 12.9 38.7



#74

N-ethyl acetate

Concen: 0.251 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

Tgt Ion: 43 Resp: 1576

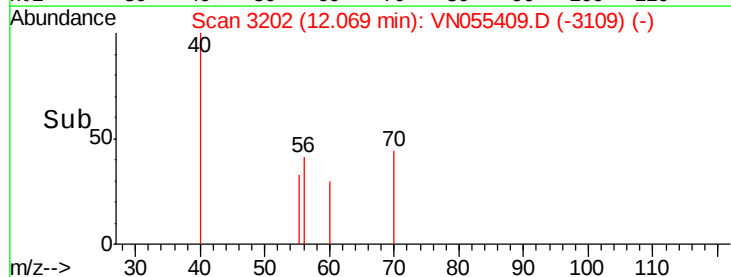
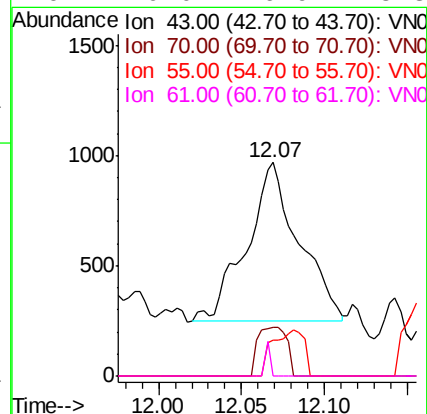
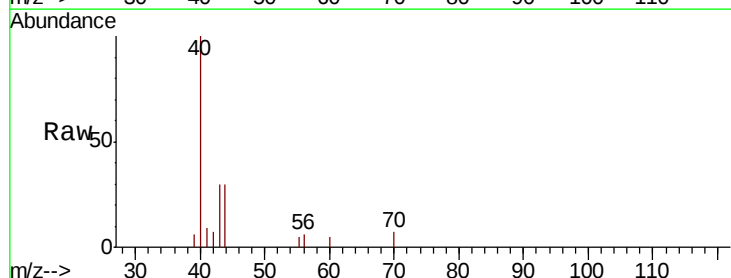
Ion Ratio Lower Upper

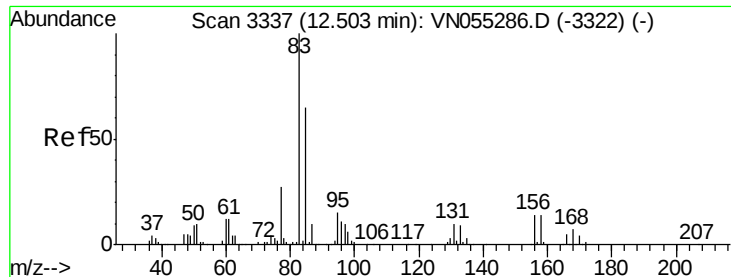
43 100

70 16.9 27.9 41.9#

55 17.2 18.2 27.2#

61 0.0 16.9 25.3#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3335

Delta R.T. -0.01 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

PB119426TB

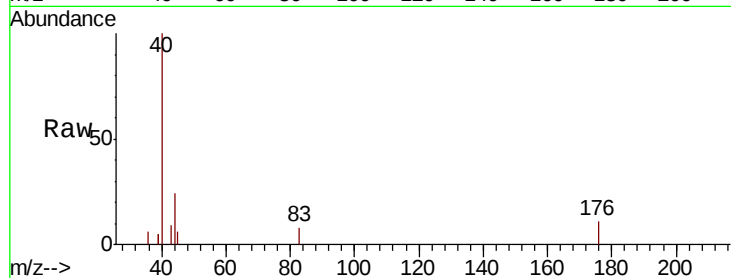
Tot Ion: 83 Resp: 151

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

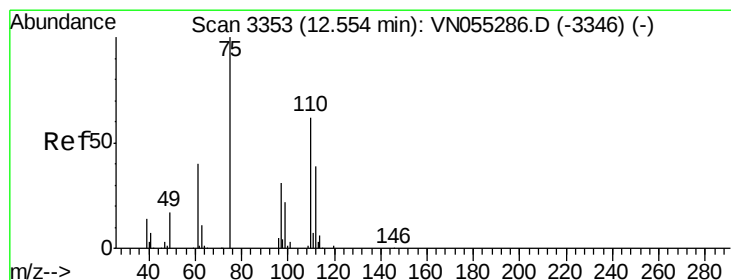
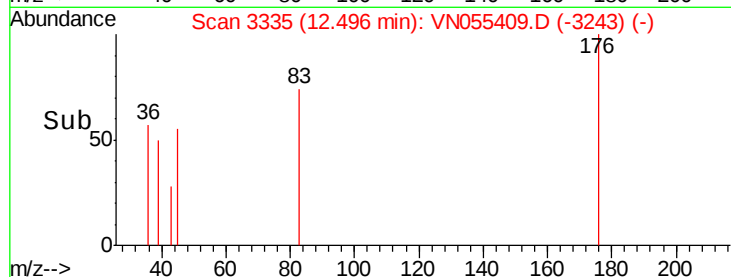
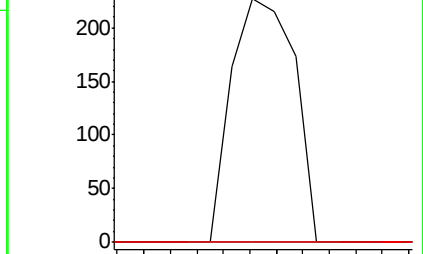
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 39.391 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055409.D

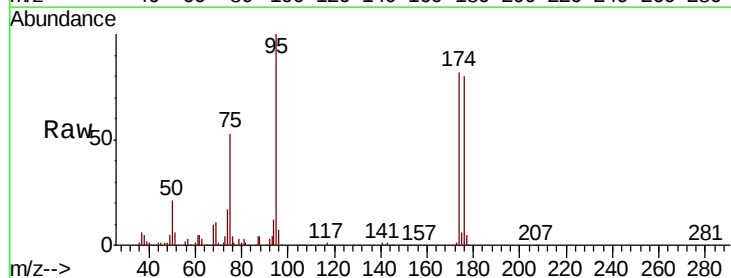
Acq: 6 May 2019 11:09

Tgt Ion: 75 Resp: 181425

Ion Ratio Lower Upper

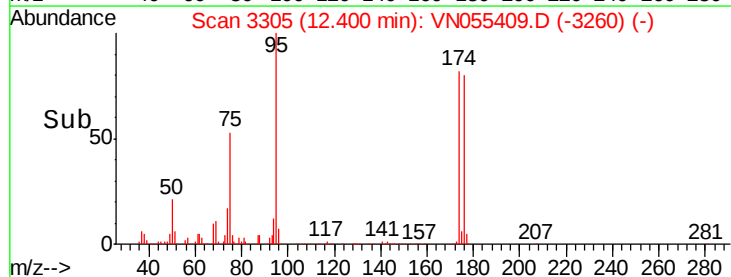
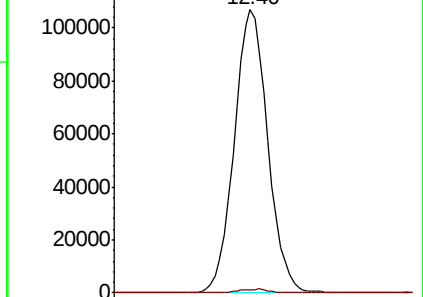
75 100

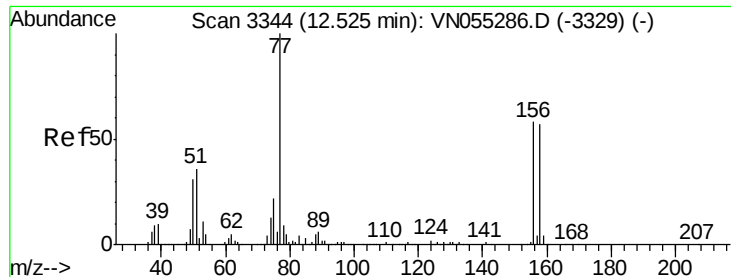
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

PB119426TB

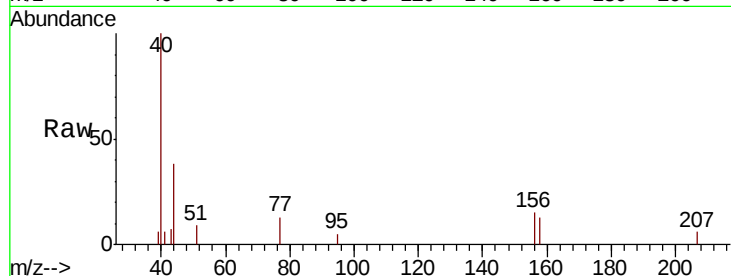
Tot Ion:156 Resp: 535

Ion Ratio Lower Upper

156 100

77 171.6 99.6 298.8

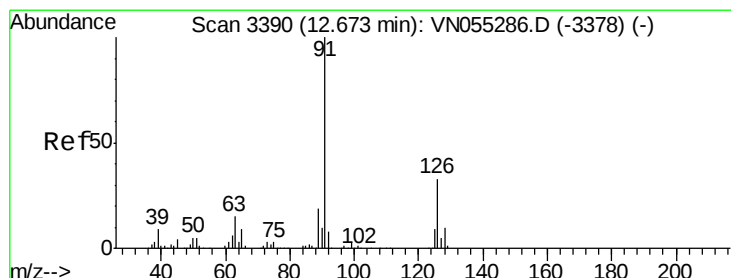
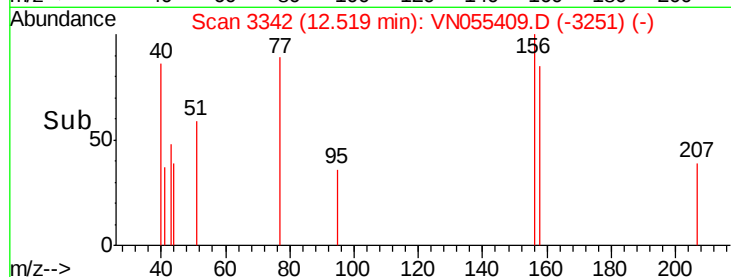
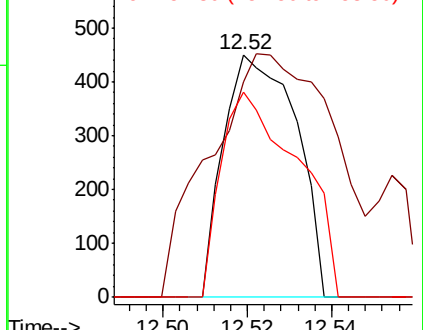
158 90.3 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055409.D

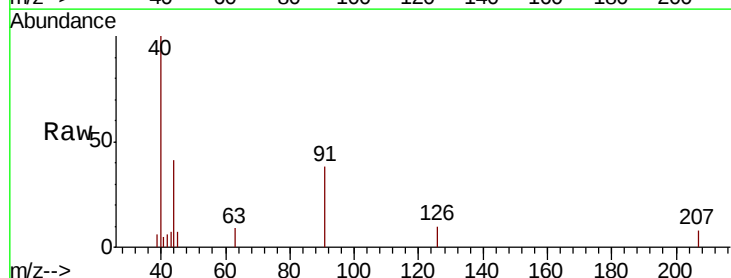
Acq: 6 May 2019 11:09

Tgt Ion: 91 Resp: 1633

Ion Ratio Lower Upper

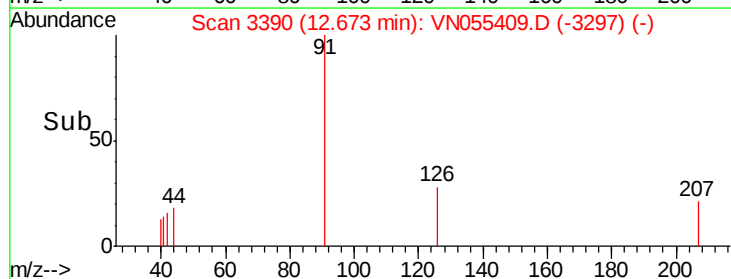
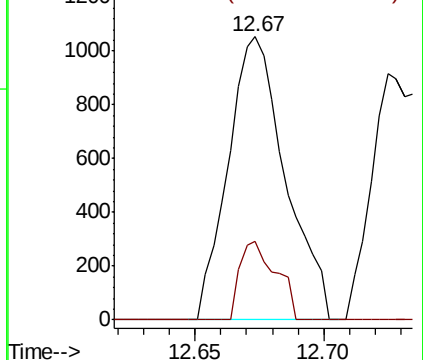
91 100

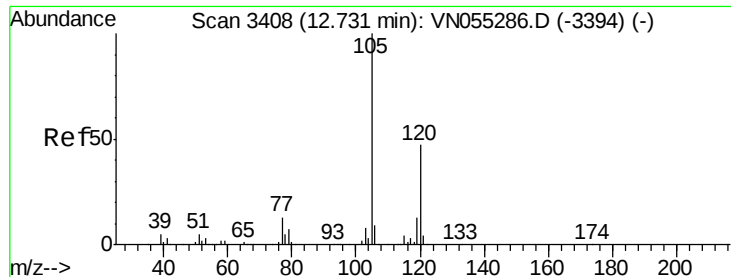
126 17.5 16.6 49.7



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: 0.632 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

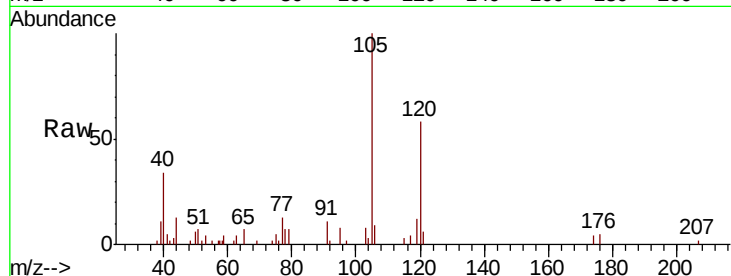
PB119426TB

Tot Ion:105 Resp: 12120

Ion Ratio Lower Upper

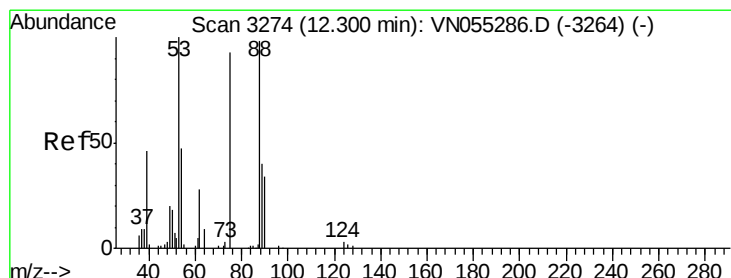
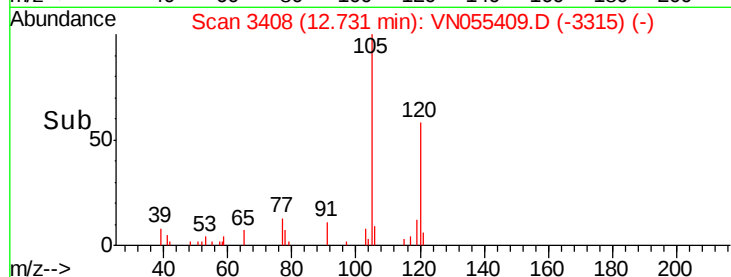
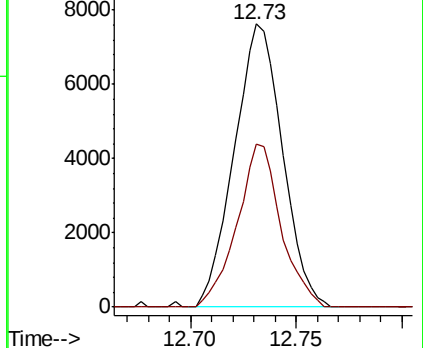
105 100

120 52.3 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 140.635 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

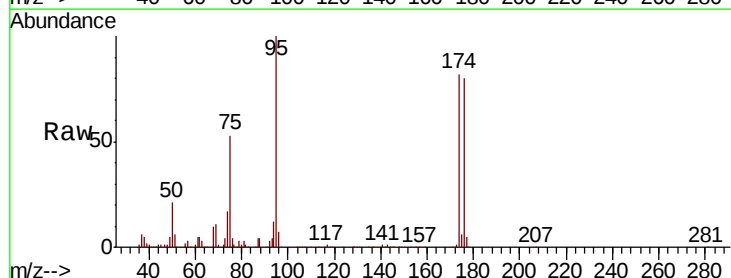
Tgt Ion: 75 Resp: 181425

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

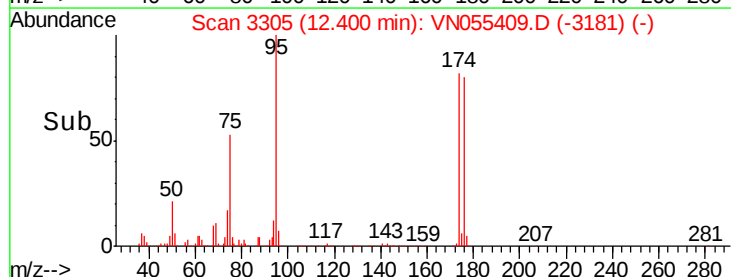
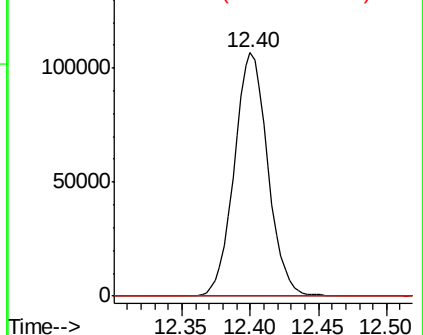
89 0.0 34.6 51.8#

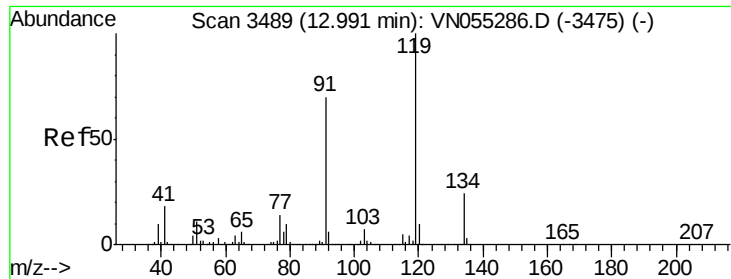


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

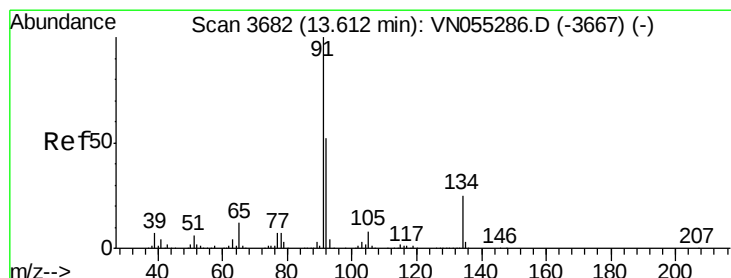
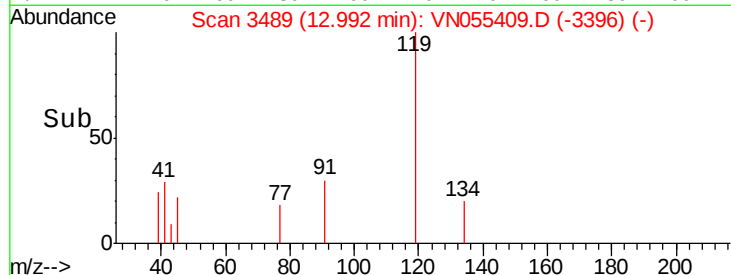
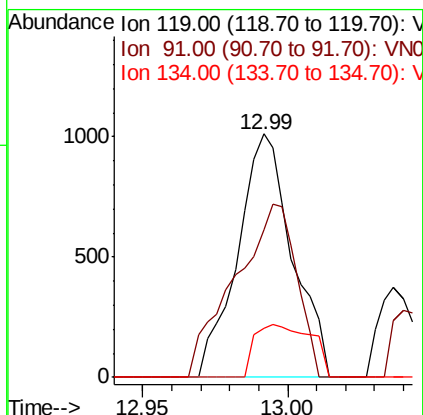
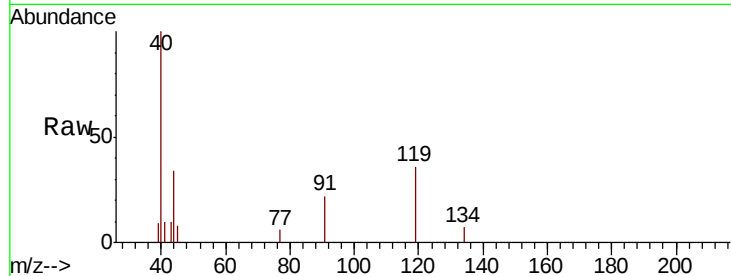




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055409.D
 Acq: 6 May 2019 11:09

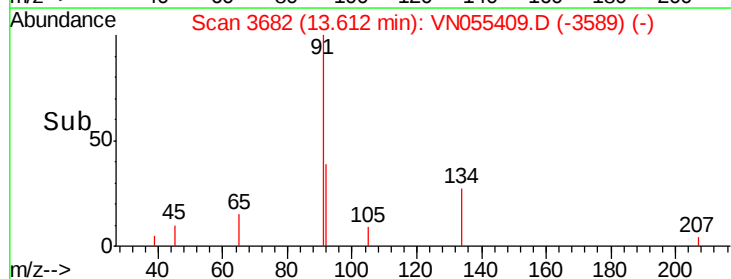
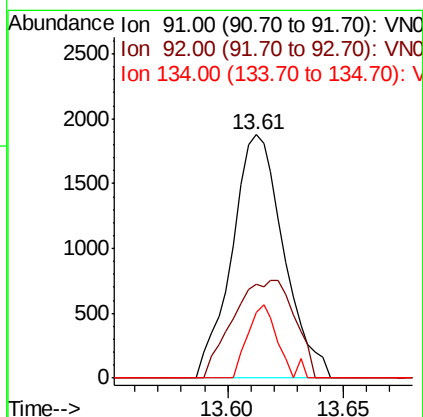
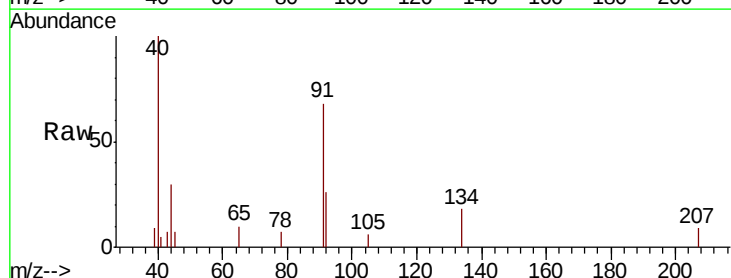
Instrument :
 MSVOA_N
 ClientSampled :
 PB119426TB

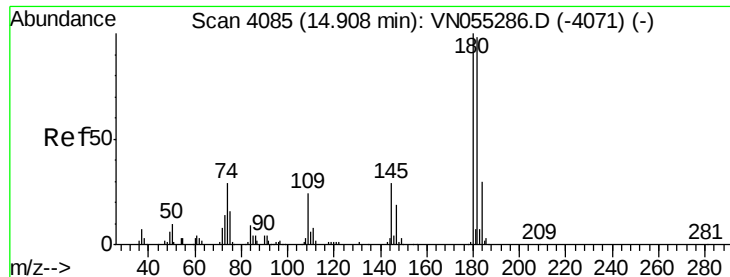
Tot Ion: 119 Resp: 1328
 Ion Ratio Lower Upper
 119 100
 91 80.4 34.3 102.9
 134 22.2 13.1 39.3



#89
 n-Butylbenzene
 Concen: 0.239 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN055409.D
 Acq: 6 May 2019 11:09

Tgt Ion: 91 Resp: 2907
 Ion Ratio Lower Upper
 91 100
 92 47.8 26.1 78.3
 134 17.7 12.4 37.4

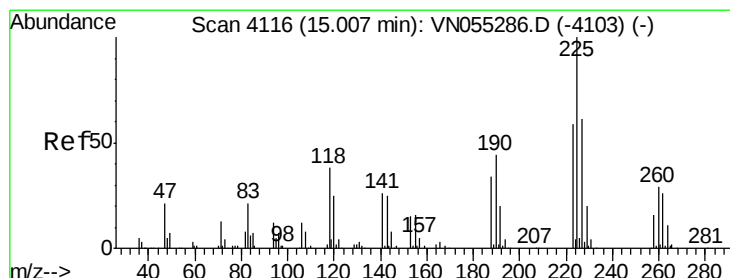
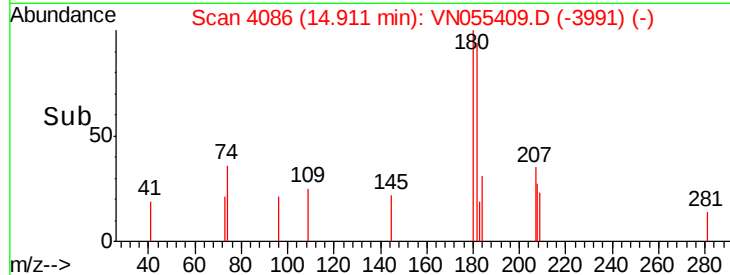
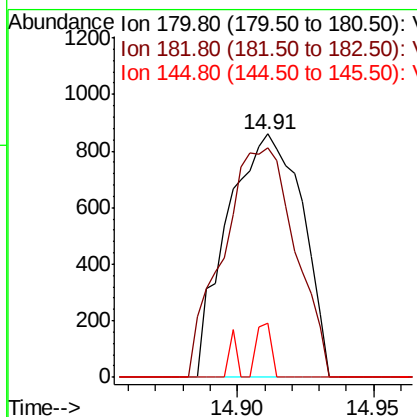
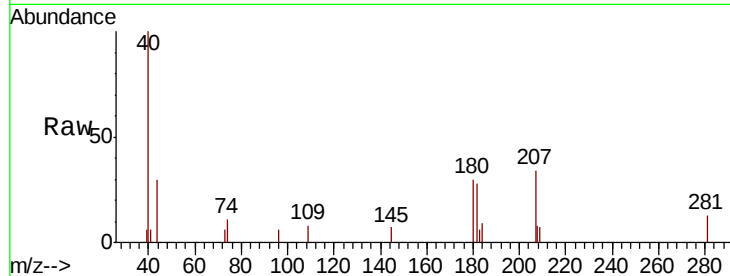




#93
 1,2,4-Trichlorobenzene
 Concen: 3.789 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055409.D
 Acq: 6 May 2019 11:09

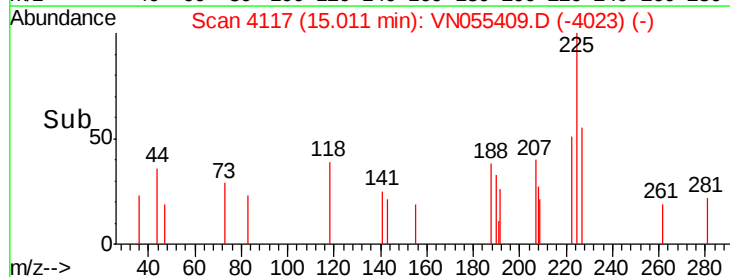
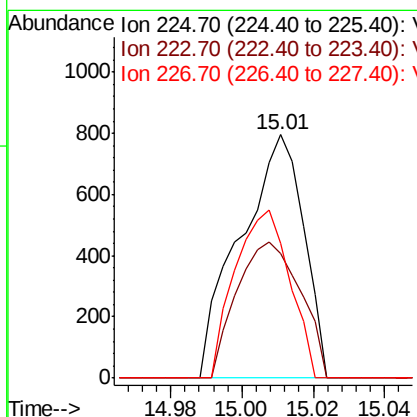
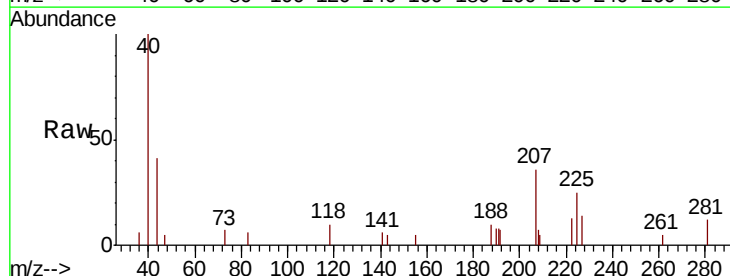
Instrument :
 MSVOA_N
 ClientSampleId :
 PB119426TB

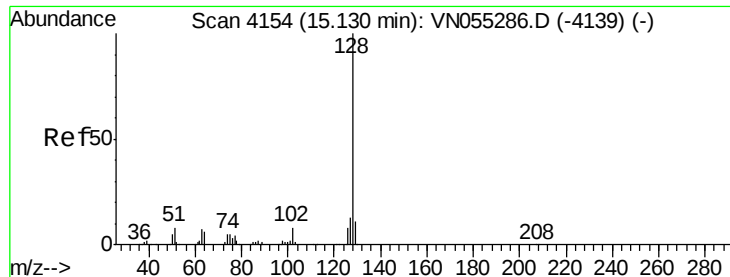
Tot Ion:180 Resp: 1639
 Ion Ratio Lower Upper
 180 100
 182 90.7 48.3 144.9
 145 4.4 14.2 42.6#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055409.D
 Acq: 6 May 2019 11:09

Tgt Ion:225 Resp: 976
 Ion Ratio Lower Upper
 225 100
 223 56.0 30.3 90.8
 227 59.4 30.9 92.7





#95

Naphthalene

Concen: 3.746 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

PB119426TB

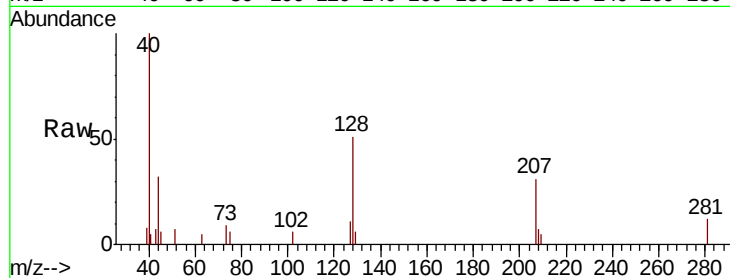
Tot Ion:128 Resp: 3044

Ion Ratio Lower Upper

128 100

127 11.0 10.7 16.1

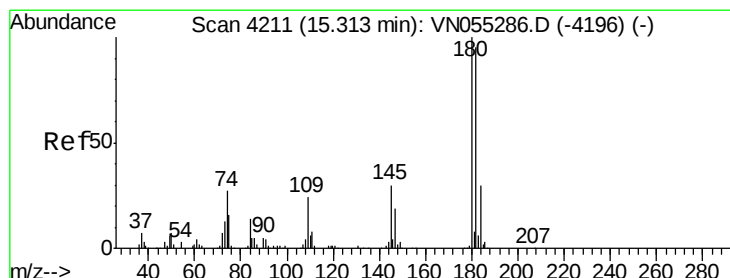
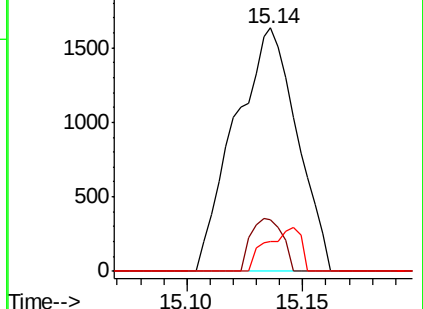
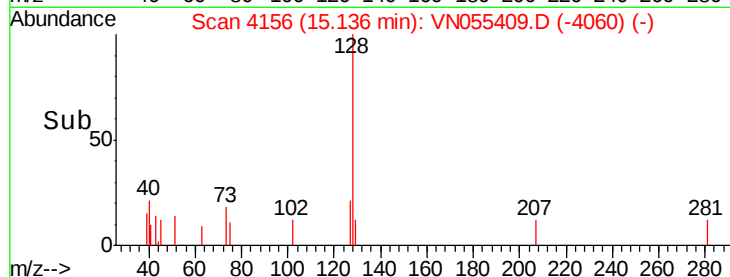
129 9.9 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 3.078 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055409.D

Acq: 6 May 2019 11:09

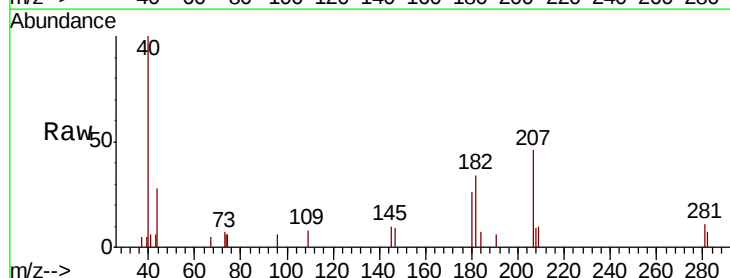
Tgt Ion:180 Resp: 1546

Ion Ratio Lower Upper

180 100

182 114.2 48.3 144.9

145 23.7 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

