

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042319\
 Data File : VN055196.D
 Acq On : 23 Apr 2019 10:58
 Operator : JC/SP
 Sample : PB119126TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB119126TB

Quant Time: Apr 24 02:48:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	372550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	625616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	570052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166307	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	247438	49.07	ug/l	0.00
Spiked Amount						
						Recovery = 98.14%
35) Dibromofluoromethane	7.59	113	204619	48.14	ug/l	0.00
Spiked Amount						
						Recovery = 96.28%
50) Toluene-d8	10.09	98	765371	48.60	ug/l	0.00
Spiked Amount						
						Recovery = 97.20%
62) 4-Bromofluorobenzene	12.40	95	241577	48.44	ug/l	0.00
Spiked Amount						
						Recovery = 96.88%

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.78	59	250	0.849	ug/l #	71
13) Acrolein	3.61	56	148	9.832	ug/l #	14
16) Acetone	3.82	43	4904	2.942	ug/l	90
17) Carbon Disulfide	4.06	76	8094	0.755	ug/l #	94
18) Methyl Acetate	4.33	43	6537	0.714	ug/l #	81
20) Methylene Chloride	4.56	84	17298	3.610	ug/l	93
25) 2-Butanone	6.86	43	5554	2.581	ug/l #	86
29) Tetrahydrofuran	7.22	42	2370	1.791	ug/l #	60
31) Cyclohexane	7.66	56	8425	Below Cal	#	26
36) 1,1-Dichloropropene	7.66	75	26710	4.600	ug/l #	50
37) Ethyl Acetate	6.86	43	5554	1.185	ug/l #	75
38) Carbon Tetrachloride	7.67	117	33562	6.172	ug/l #	16
41) Methacrylonitrile	7.23	41	1175	0.478	ug/l #	40
43) Isopropyl Acetate	8.17	43	17901	2.359	ug/l #	90
45) 1,2-Dichloropropane	9.27	63	1971	0.390	ug/l #	45
48) Methyl methacrylate	9.18	41	9489	2.578	ug/l #	15
49) 1,4-Dioxane	9.26	88	69	1.623	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	6510	1.491	ug/l	99
52) Toluene	10.15	92	2176	0.207	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	63871	9.672	ug/l #	65
57) 1,3-Dichloropropane	10.76	76	11225	1.665	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.90	63	200	11.384	ug/l #	51
59) 2-Hexanone	10.76	43	199524	72.339	ug/l #	56
73) Isopropylbenzene	12.25	105	1335	Below Cal	#	49
74) N-amyl acetate	11.88	43	19688	4.592	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.51	83	110	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	122516	36.313	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6261	0.503	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	122516	137.655	ug/l #	5
83) tert-Butylbenzene	12.99	119	945	Below Cal		73
87) 1,3-Dichlorobenzene	13.28	146	1189	0.211	ug/l	93
88) 1,4-Dichlorobenzene	13.28	146	1189	0.217	ug/l	92
89) n-Butylbenzene	13.61	91	2602	0.303	ug/l	96
93) 1,2,4-Trichlorobenzene	14.91	180	1239	3.217	ug/l	85

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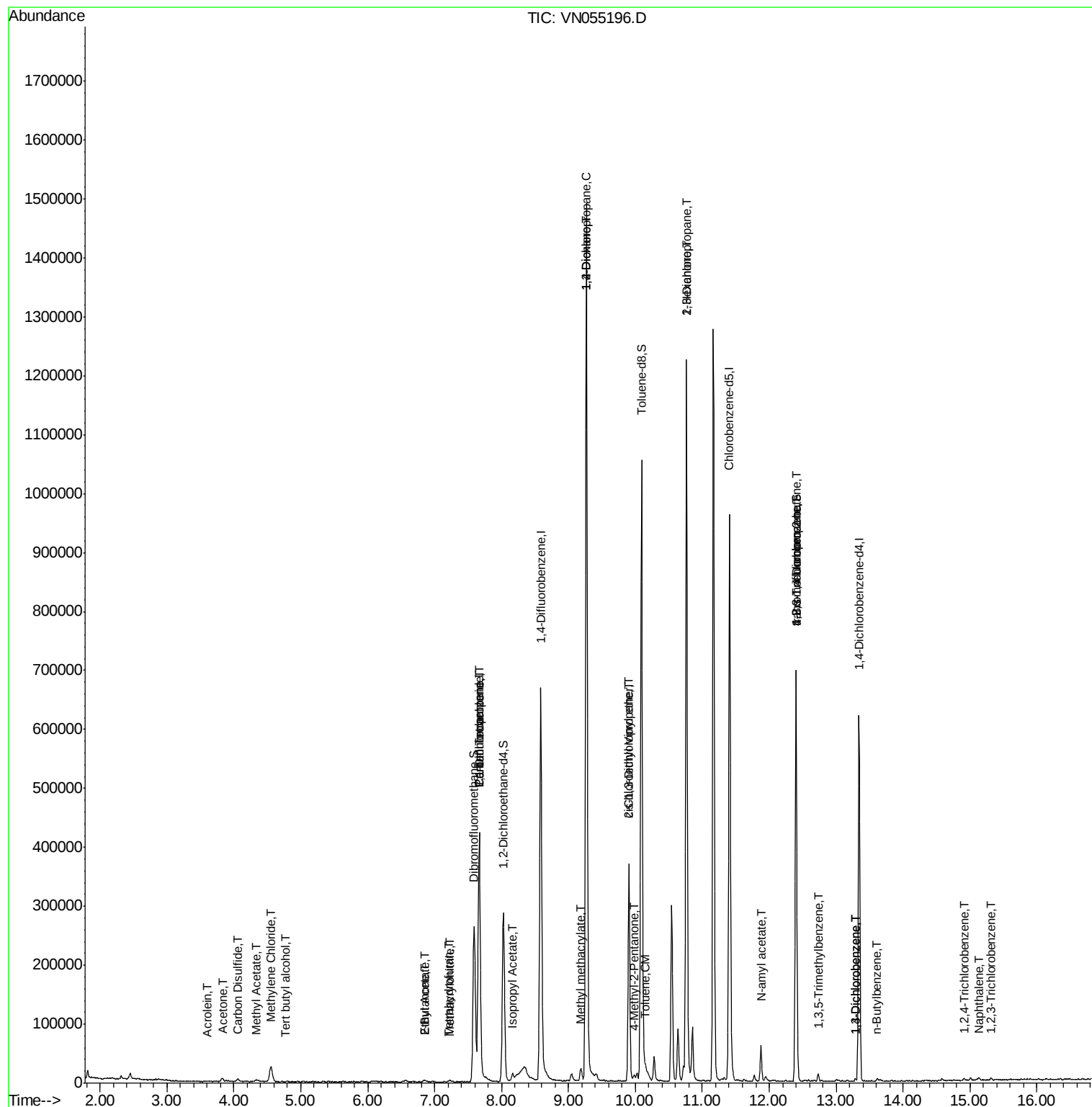
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
94) Hexachlorobutadiene	15.00	225	735	Below Cal #	69
95) Naphthalene	15.13	128	3637	4.025 ug/l #	95
96) 1,2,3-Trichlorobenzene	15.31	180	1605	2.756 ug/l #	85

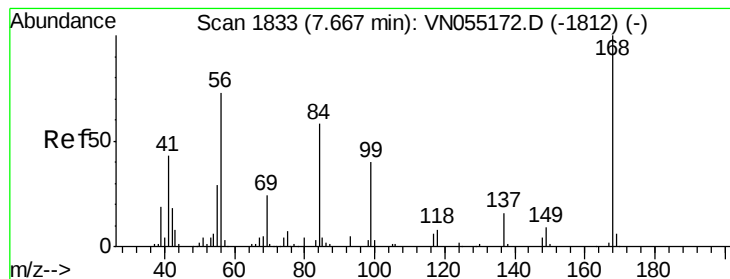
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

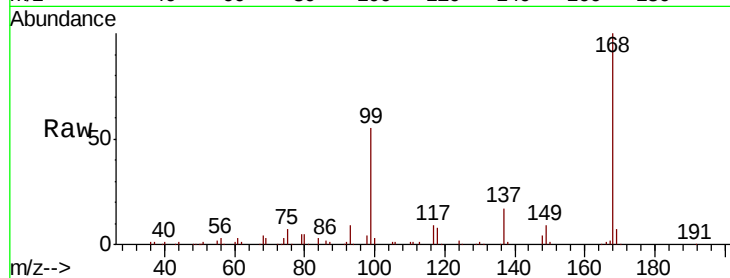
PB119126TB

Tgt Ion:168 Resp: 372550

Ion Ratio Lower Upper

168 100

99 54.6 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN055172.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055196.D (-1740) (-)

7.67

150000

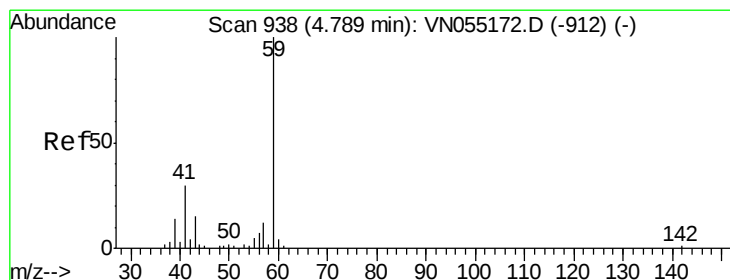
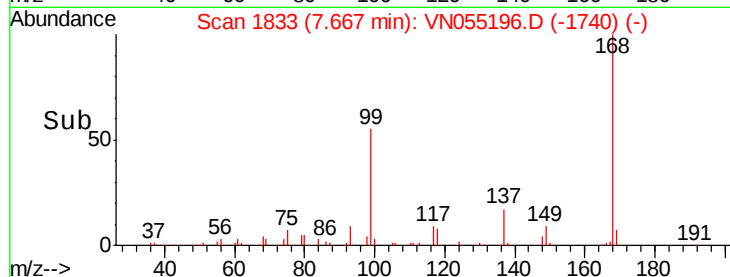
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.849 ug/l

RT: 4.78 min Scan# 936

Delta R.T. -0.01 min

Lab File: VN055196.D

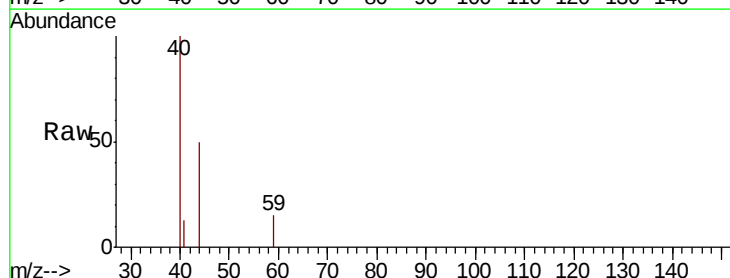
Acq: 23 Apr 2019 10:58

Tgt Ion: 59 Resp: 250

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VN055172.D (-912) (-)

Ion 57.00 (56.70 to 57.70): VN055196.D (-845) (-)

4.78

250

200

150

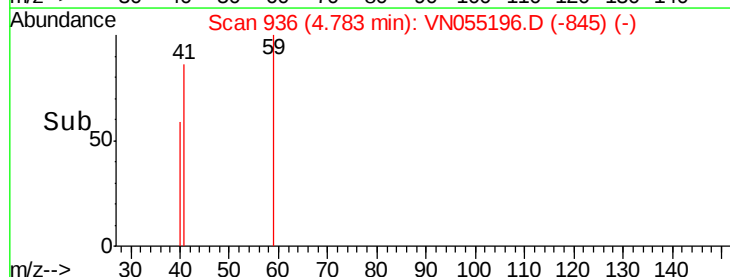
100

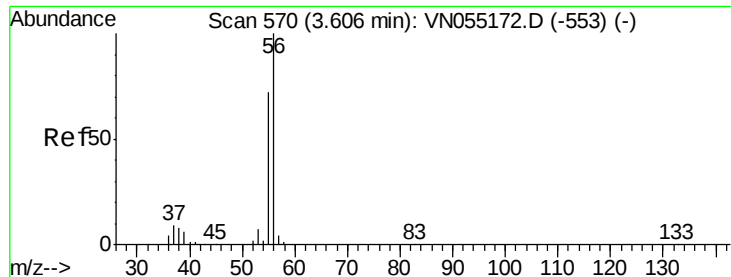
50

0

4.76 4.77 4.78 4.79

Time-->





#13

Acrolein

Concen: 9.832 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

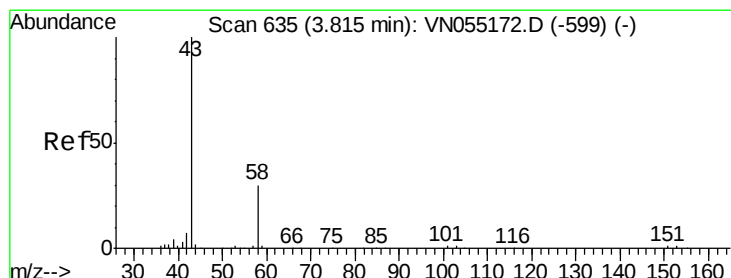
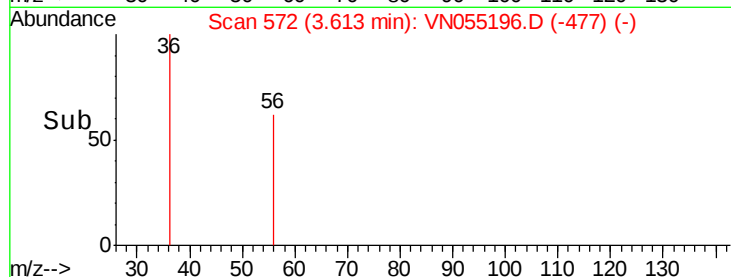
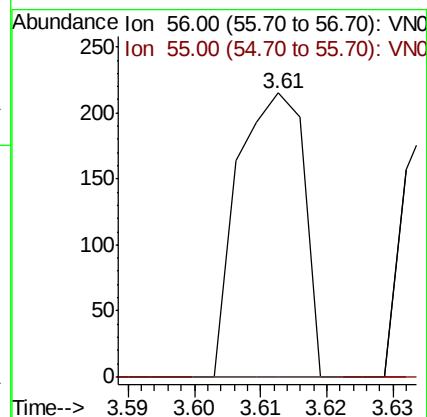
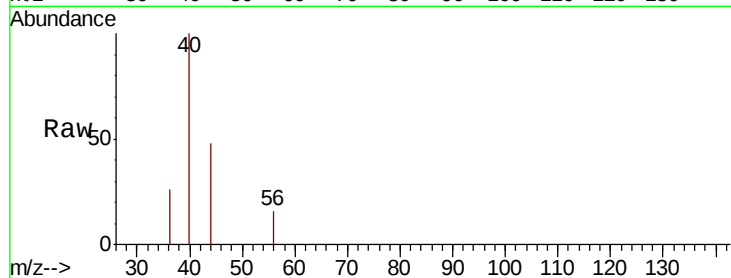
PB119126TB

Tgt Ion: 56 Resp: 148

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



#16

Acetone

Concen: 2.942 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN055196.D

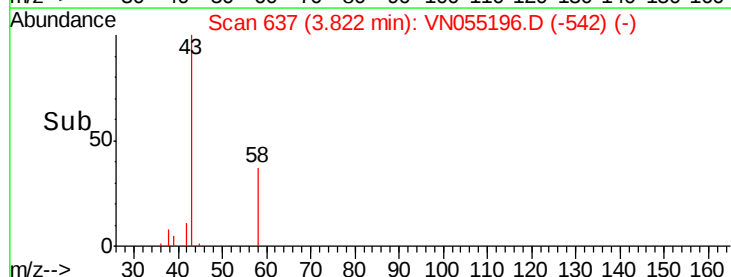
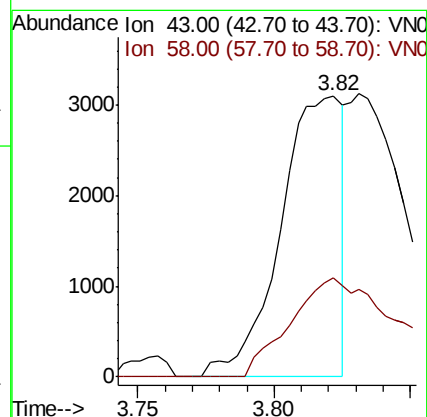
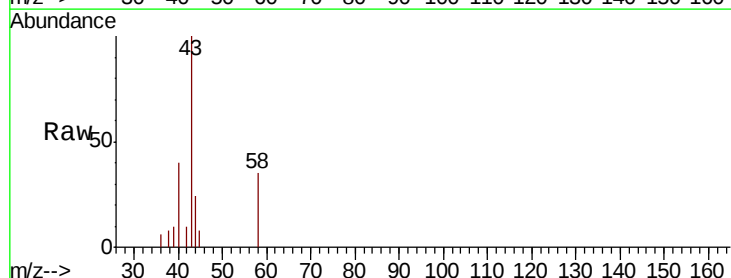
Acq: 23 Apr 2019 10:58

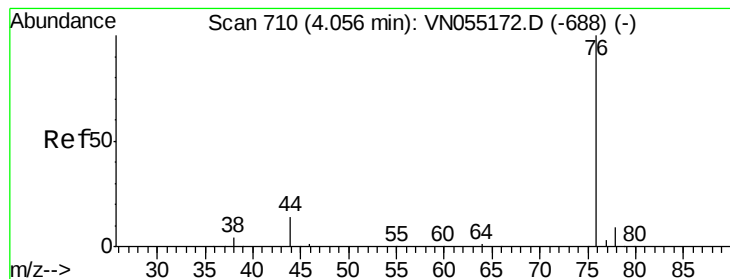
Tgt Ion: 43 Resp: 4904

Ion Ratio Lower Upper

43 100

58 35.1 23.8 35.8





#17

Carbon Disulfide

Concen: 0.755 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Instrument :

MSVOA_N

ClientSampled :

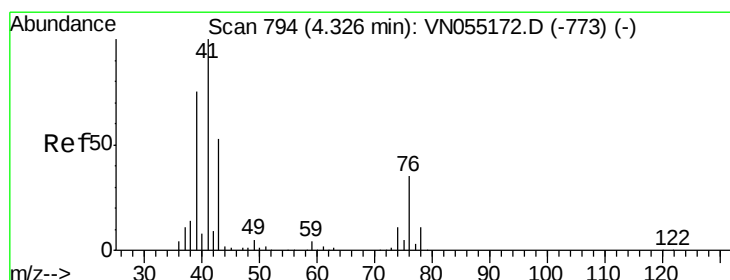
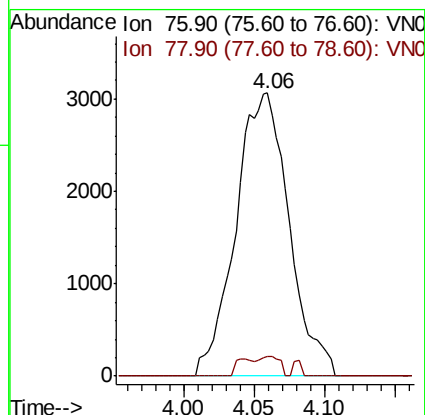
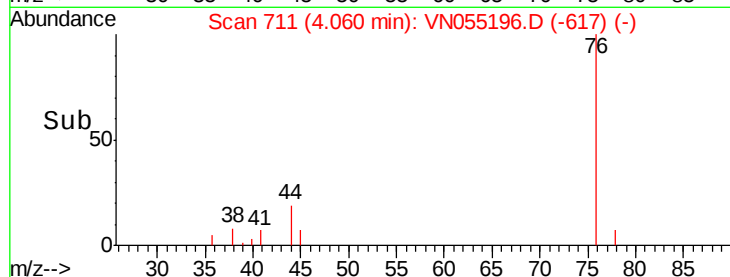
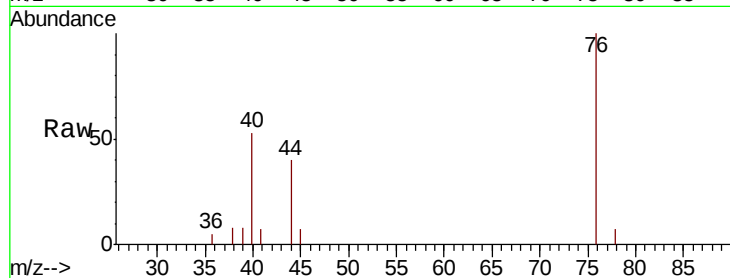
PB119126TB

Tgt Ion: 76 Resp: 8094

Ion Ratio Lower Upper

76 100

78 7.0 7.3 10.9#



#18

Methyl Acetate

Concen: 0.714 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055196.D

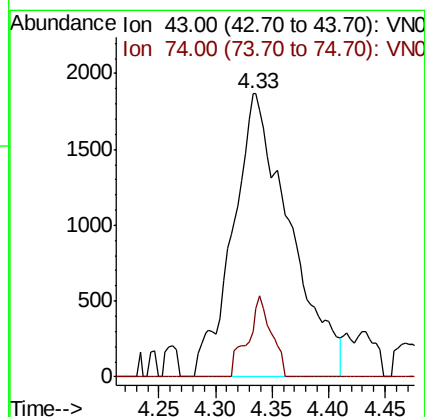
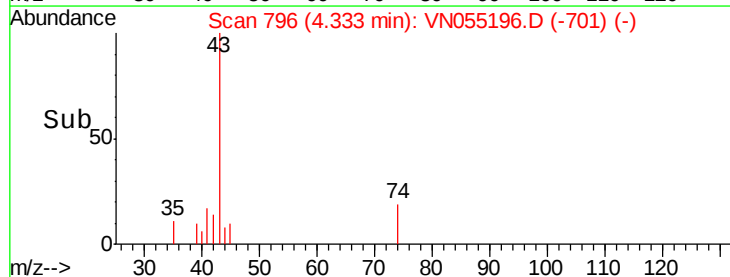
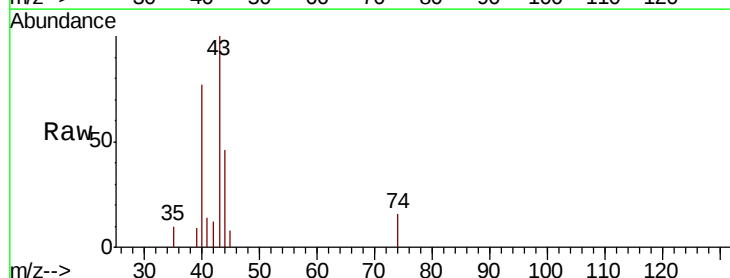
Acq: 23 Apr 2019 10:58

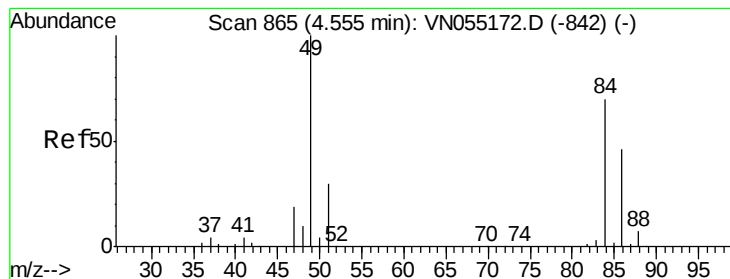
Tgt Ion: 43 Resp: 6537

Ion Ratio Lower Upper

43 100

74 11.8 16.7 25.1#





#20

Methylene Chloride

Concen: 3.610 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

PB119126TB

Tgt Ion: 84 Resp: 17298

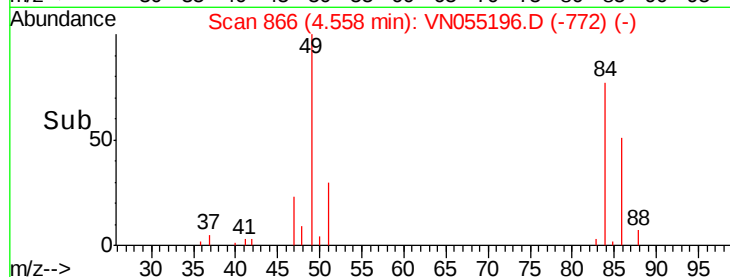
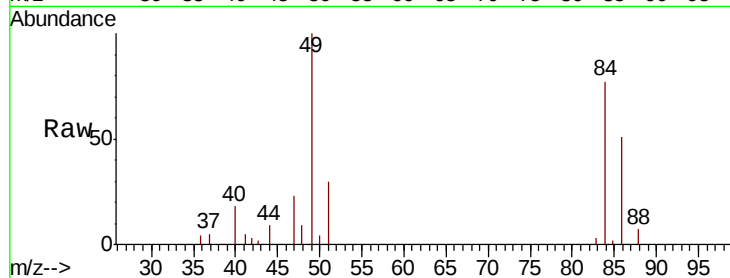
Ion Ratio Lower Upper

84 100

49 130.6 113.8 170.6

51 38.7 34.0 51.0

86 66.3 52.3 78.5



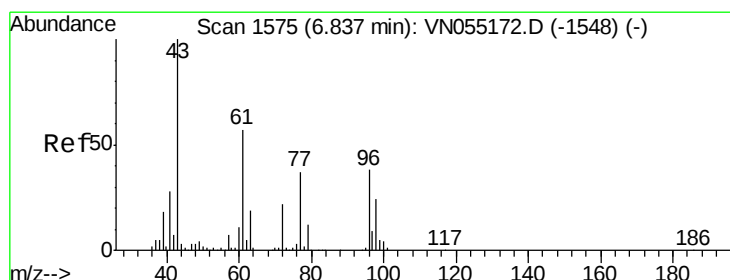
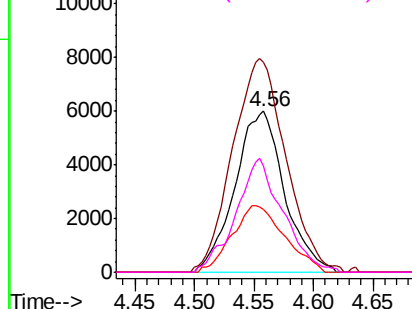
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 2.581 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.02 min

Lab File: VN055196.D

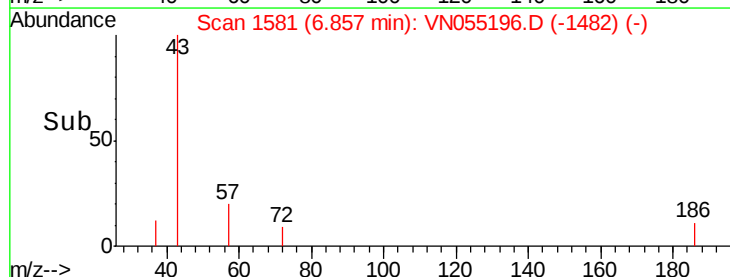
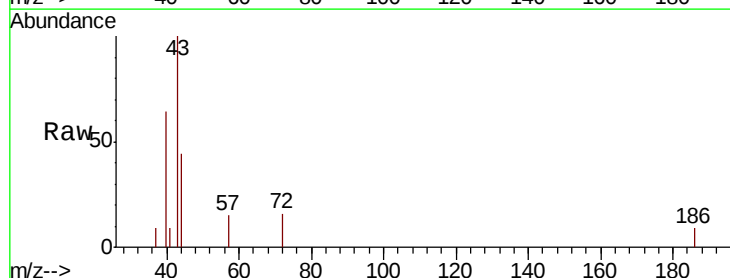
Acq: 23 Apr 2019 10:58

Tgt Ion: 43 Resp: 5554

Ion Ratio Lower Upper

43 100

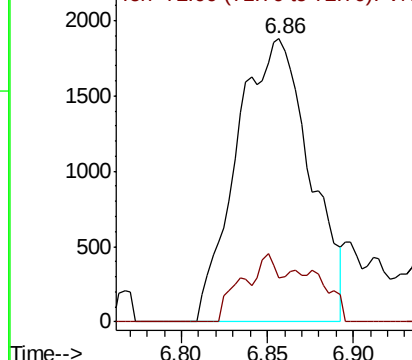
72 15.7 17.8 26.8#

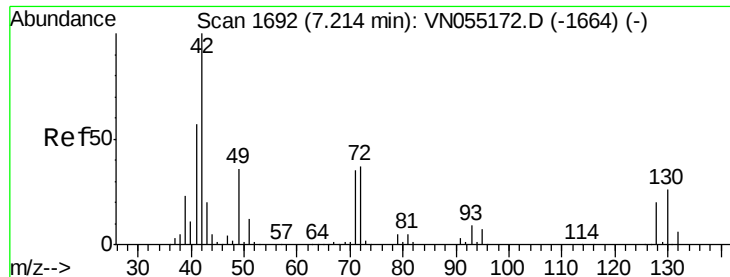


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 1.791 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN055196.D

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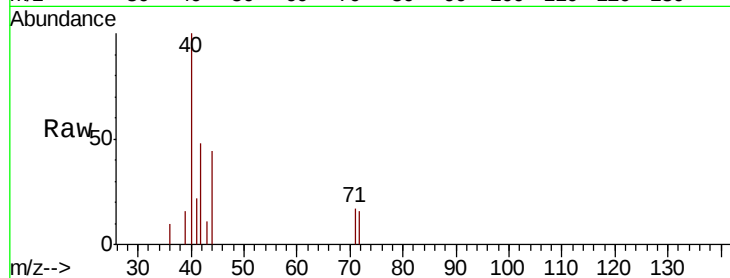
Tgt Ion: 42 Resp: 2370

Ion Ratio Lower Upper

42 100

72 7.3 29.4 44.2#

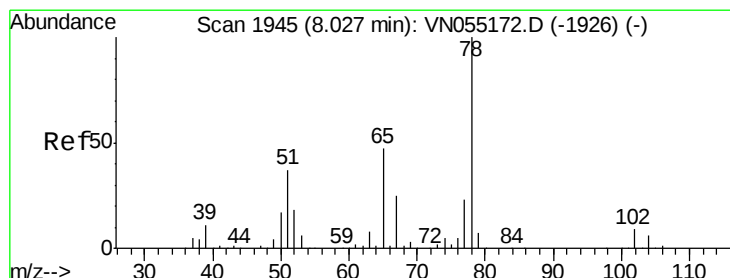
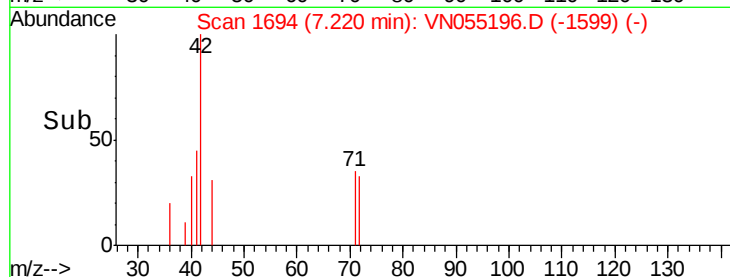
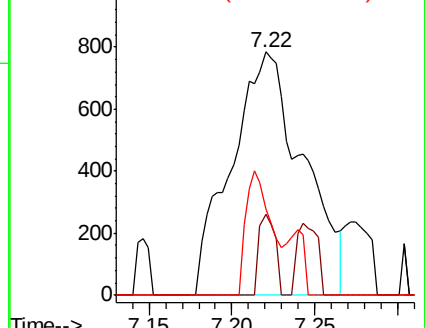
71 17.8 27.8 41.8#



Abundance Ion 42.00 (41.70 to 42.70): VN055172.D (-1664) (-)

Ion 72.00 (71.70 to 72.70): VN055172.D (-1664) (-)

Ion 71.00 (70.70 to 71.70): VN055172.D (-1664) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.070 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055196.D

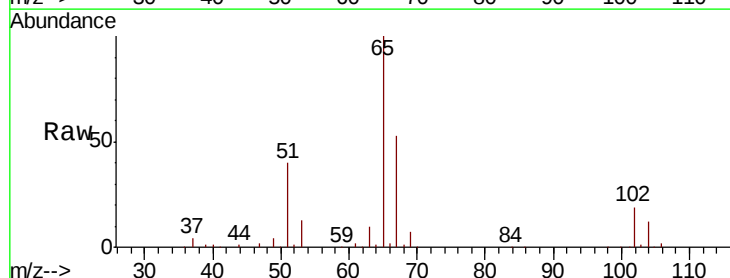
Acq: 23 Apr 2019 10:58

Tgt Ion: 65 Resp: 247438

Ion Ratio Lower Upper

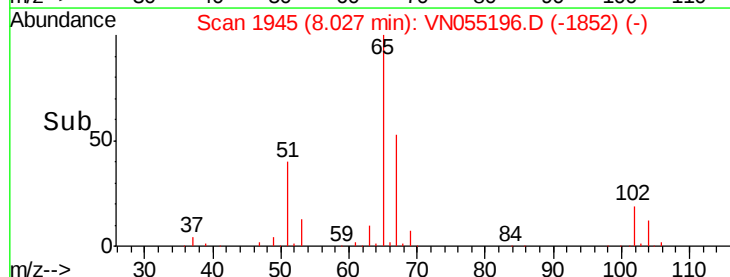
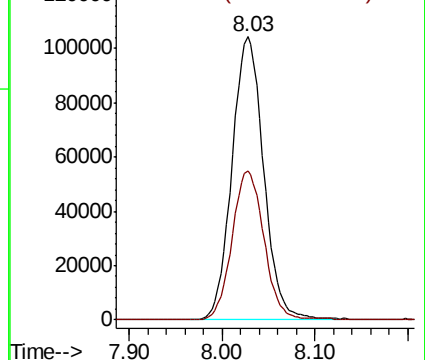
65 100

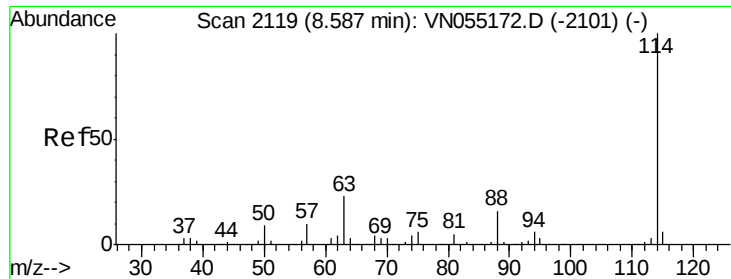
67 52.7 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN055172.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055172.D (-1926) (-)

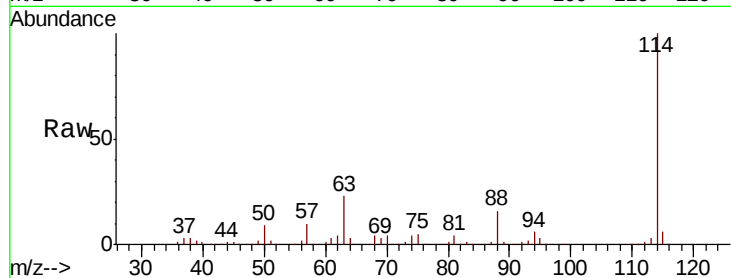




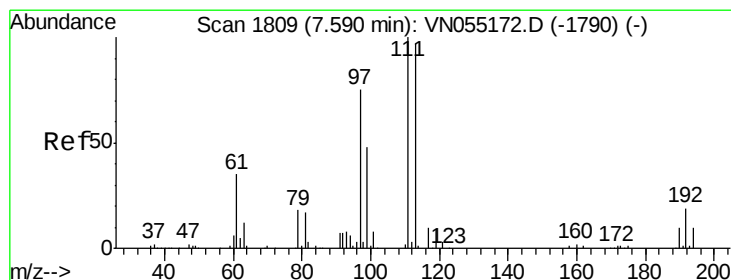
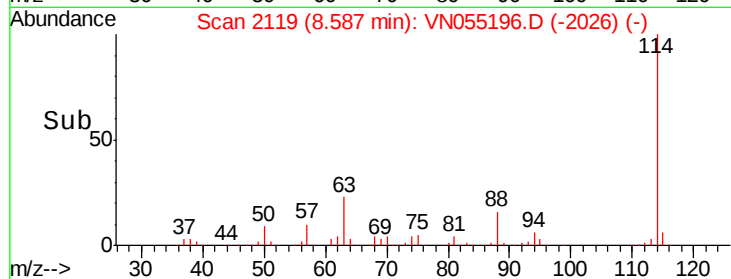
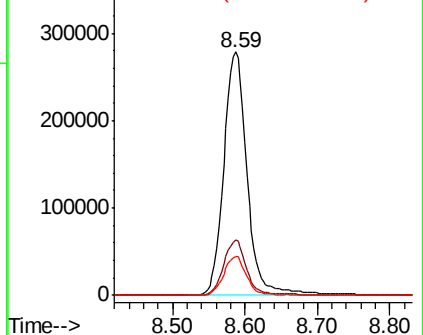
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055196.D
 Acq: 23 Apr 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 PB119126TB

Tgt Ion:114 Resp: 625616
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.2
 88 16.1 0.0 32.8

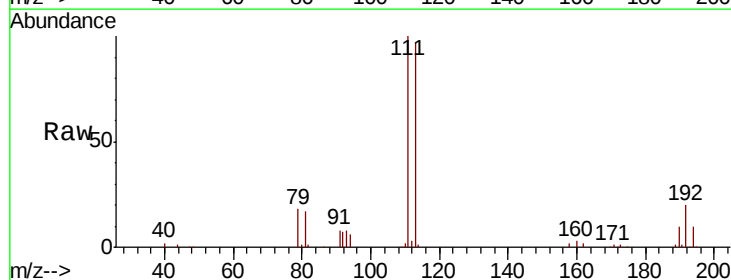


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

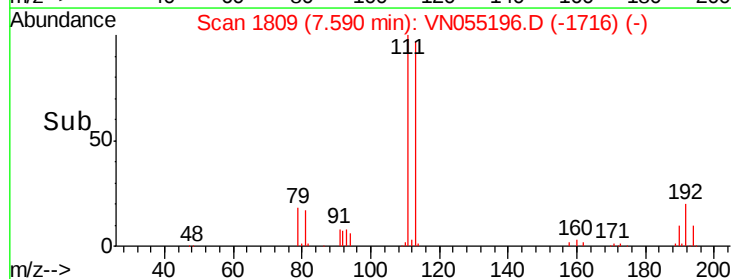
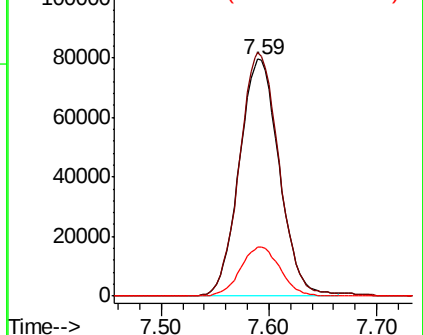


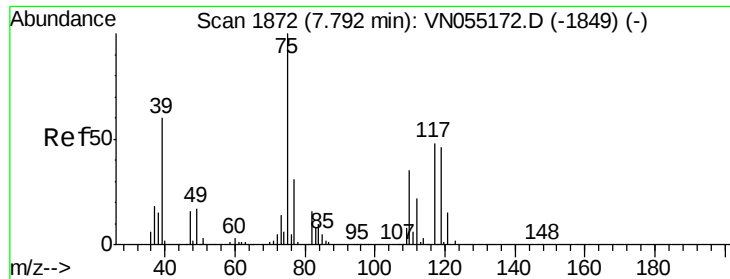
#35
 Dibromofluoromethane
 Concen: 48.144 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055196.D
 Acq: 23 Apr 2019 10:58

Tgt Ion:113 Resp: 204619
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.0 121.4
 192 20.6 16.2 24.4



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: 4.600 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Instrument :

MSVOA_N

ClientSampled :

PB119126TB

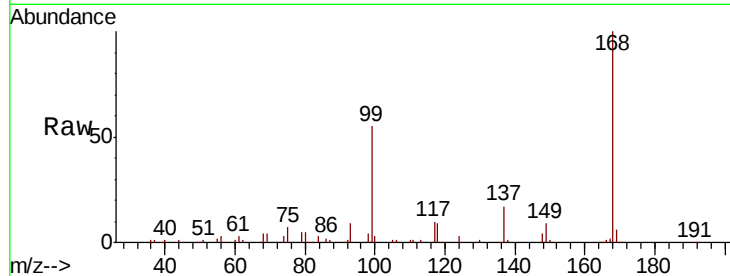
Tgt Ion: 75 Resp: 26710

Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.2#

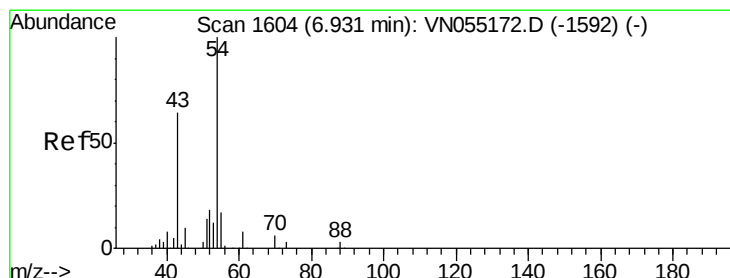
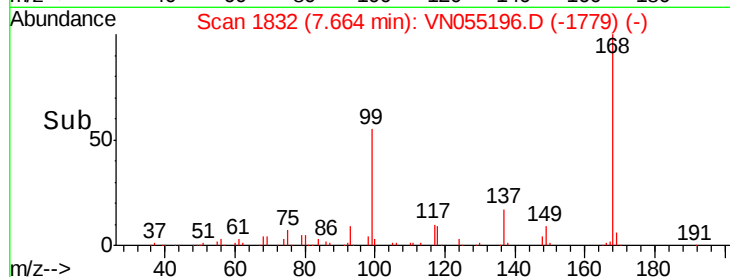
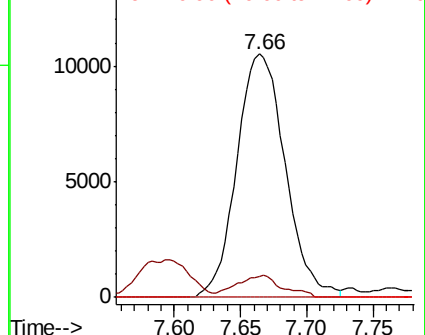
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055172.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN055172.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN055172.D (-1849) (-)



#37

Ethyl Acetate

Concen: 1.185 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. -0.07 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

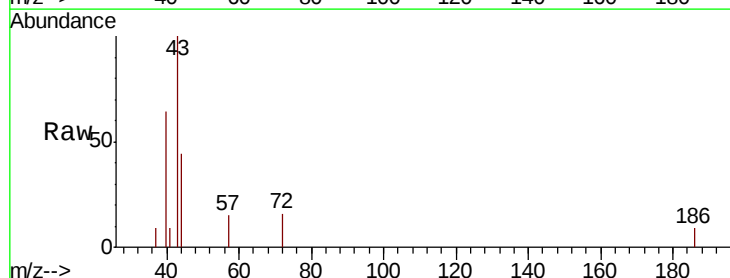
Tgt Ion: 43 Resp: 5554

Ion Ratio Lower Upper

43 100

61 2.1 9.7 14.5#

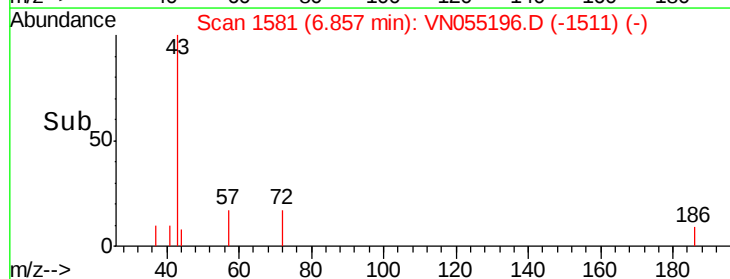
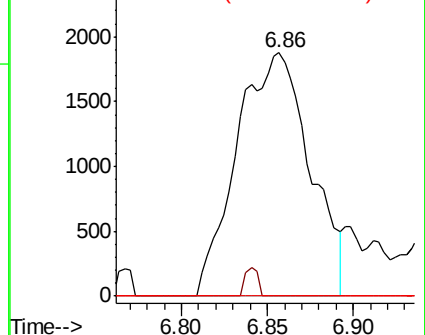
70 0.0 6.9 10.3#

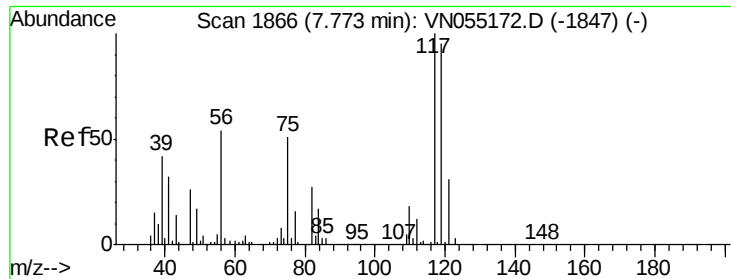


Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-1592) (-)

Ion 60.90 (60.60 to 61.60): VN055172.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN055172.D (-1592) (-)





#38

Carbon Tetrachloride

Concen: 6.172 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

PB119126TB

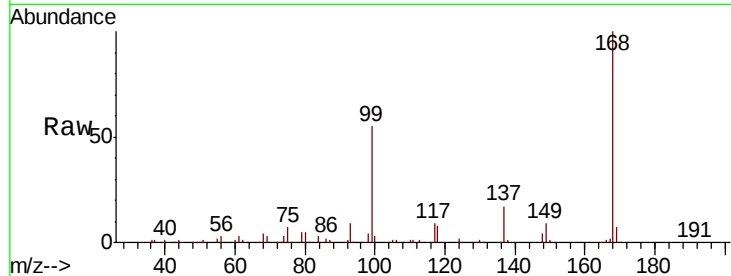
Tgt Ion: 117 Resp: 33562

Ion Ratio Lower Upper

117 100

119 5.1 76.0 114.0#

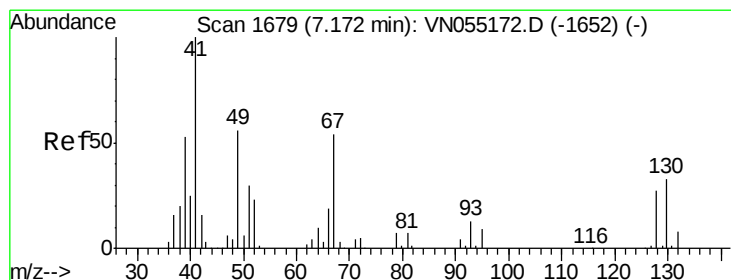
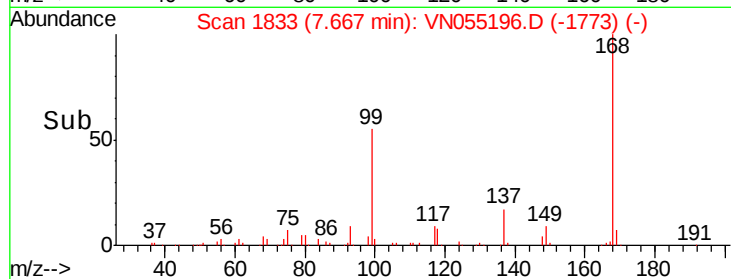
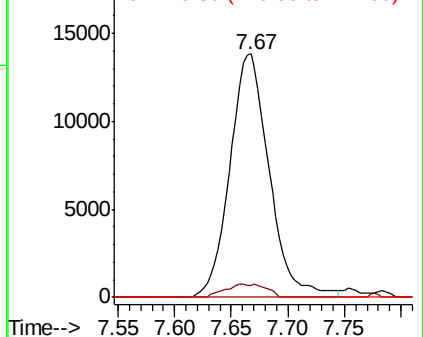
121 0.0 24.6 36.8#



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



#41

Methacrylonitrile

Concen: 0.478 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.06 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Tgt Ion: 41 Resp: 1175

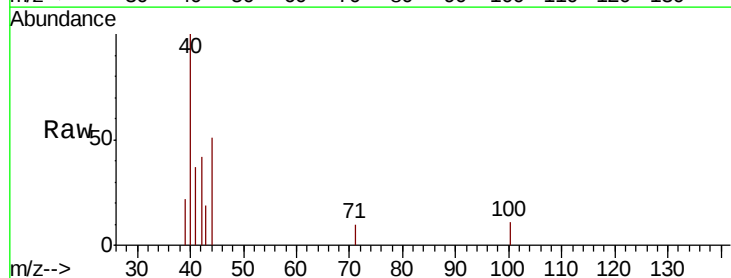
Ion Ratio Lower Upper

41 100

39 31.9 45.4 68.0#

67 0.0 54.6 81.8#

52 0.0 22.8 34.2#

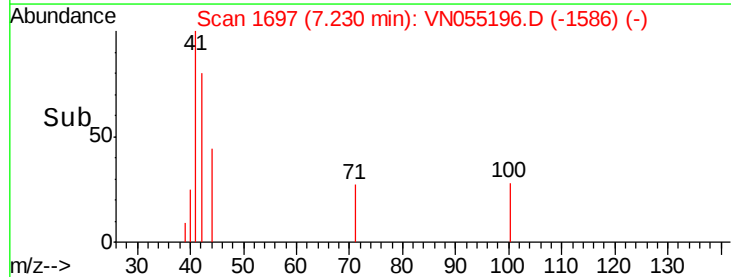
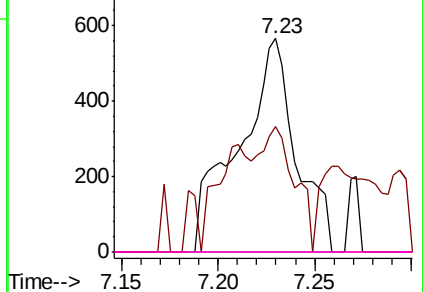


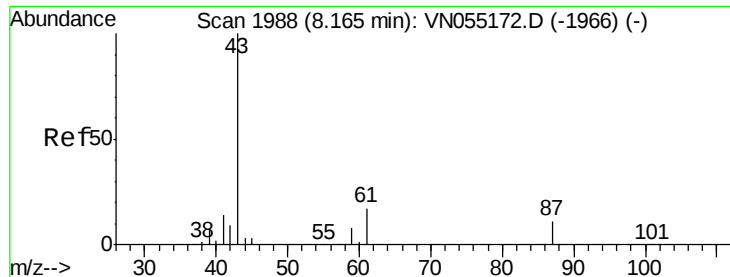
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 2.359 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

PB119126TB

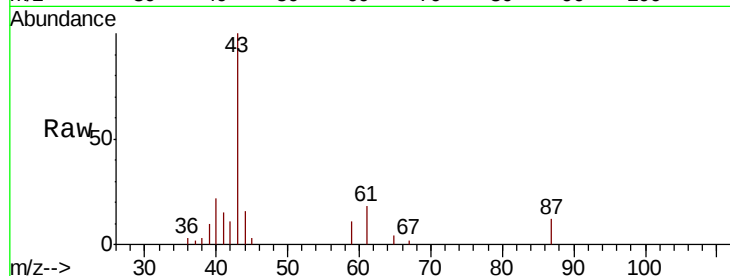
Tgt Ion: 43 Resp: 17901

Ion Ratio Lower Upper

43 100

61 18.6 20.6 30.8#

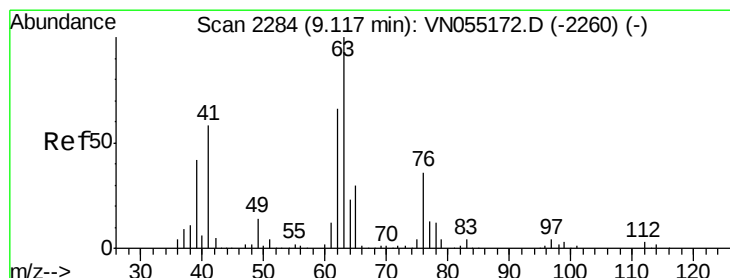
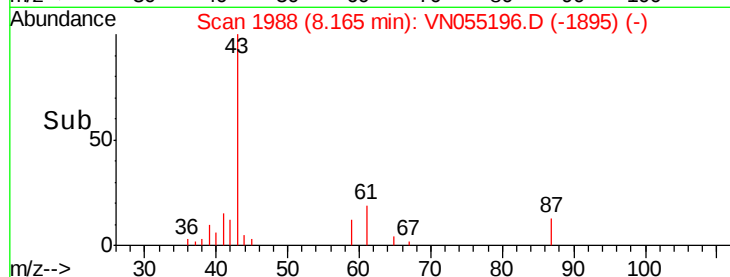
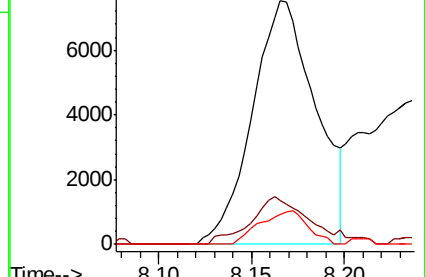
87 10.4 8.8 13.2



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



#45

1,2-Dichloropropane

Concen: 0.390 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN055196.D

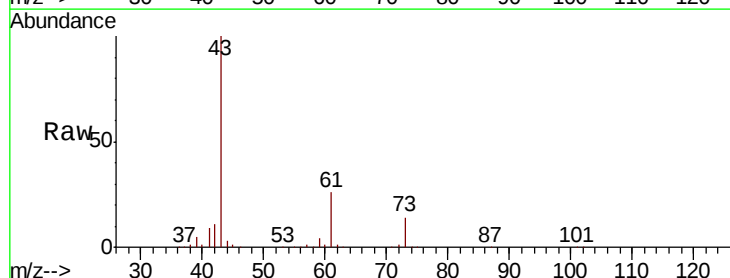
Acq: 23 Apr 2019 10:58

Tgt Ion: 63 Resp: 1971

Ion Ratio Lower Upper

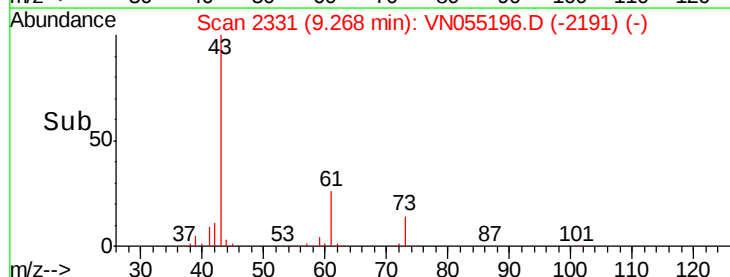
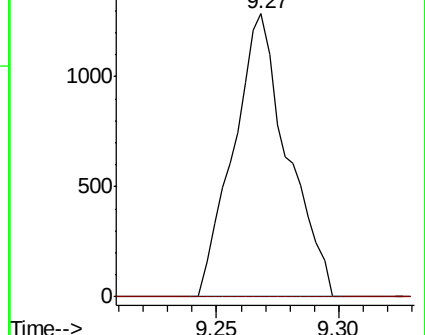
63 100

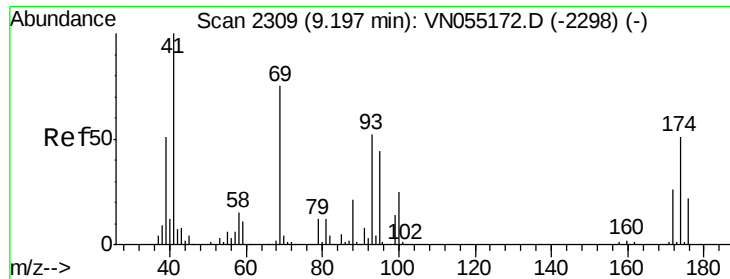
65 0.0 23.8 35.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

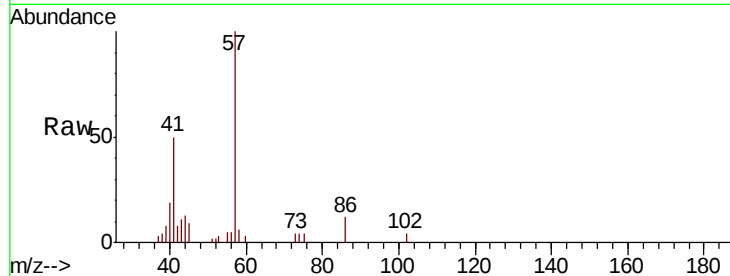




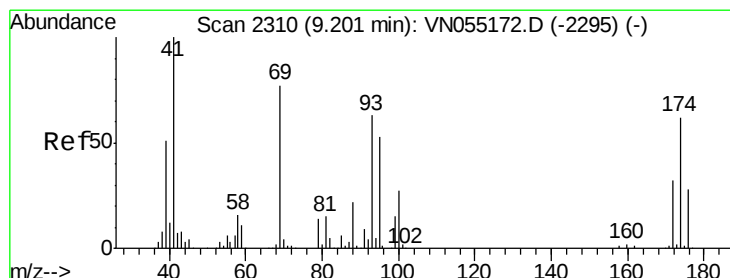
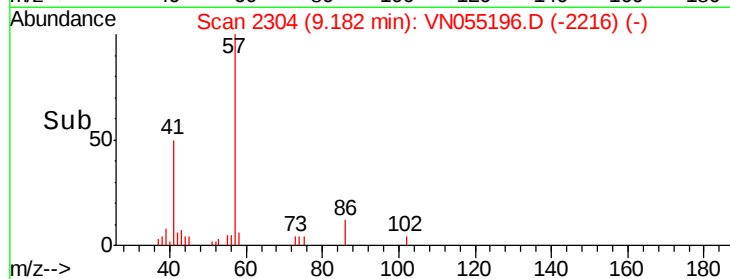
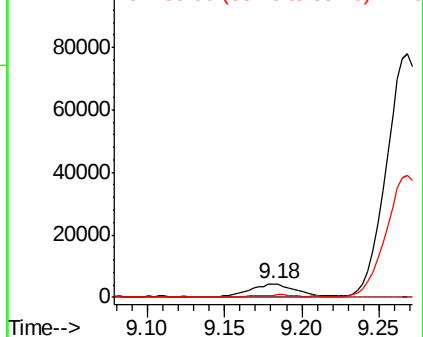
#48
Methyl methacrylate
Concen: 2.578 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN055196.D
Acq: 23 Apr 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
PB119126TB

Tgt Ion: 41 Resp: 9489
Ion Ratio Lower Upper
41 100
69 0.0 63.6 95.4#
39 0.0 43.8 65.8#

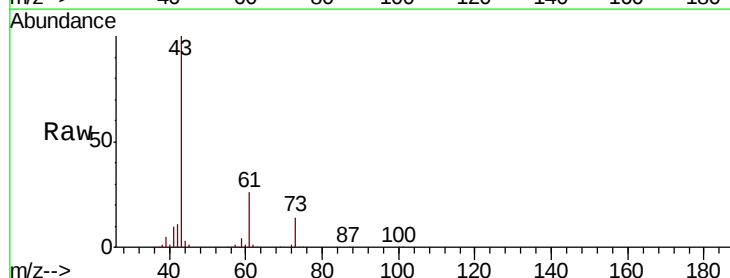


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

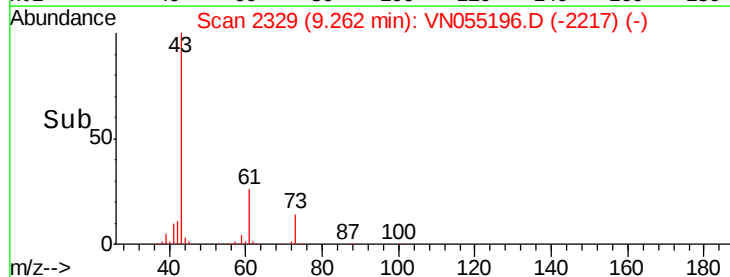
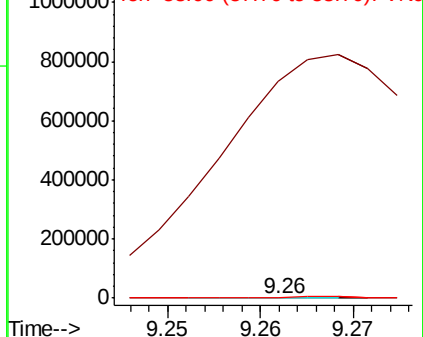


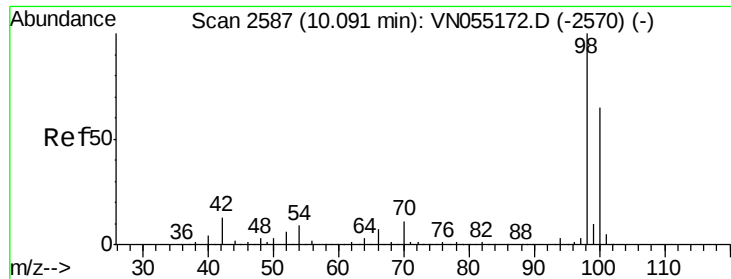
#49
1,4-Dioxane
Concen: 1.623 ug/l
RT: 9.26 min Scan# 2329
Delta R.T. 0.06 min
Lab File: VN055196.D
Acq: 23 Apr 2019 10:58

Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 2243217.4 32.0 48.0#
58 10281.2 60.4 90.6#



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





#50

Toluene-d8

Concen: 48.603 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

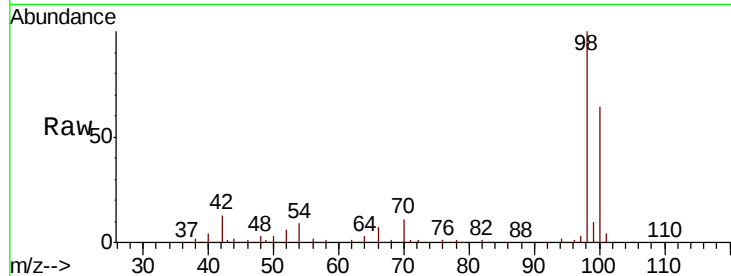
PB119126TB

Tgt Ion: 98 Resp: 765371

Ion Ratio Lower Upper

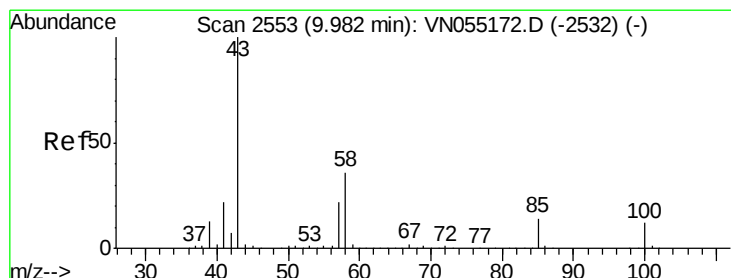
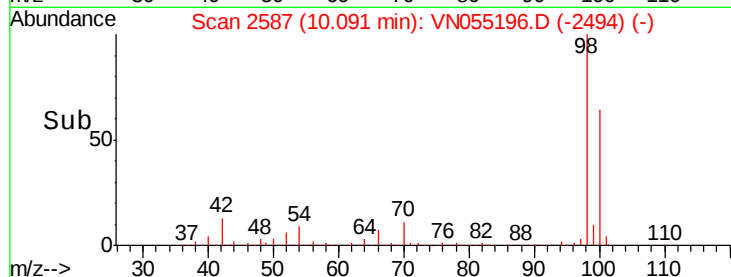
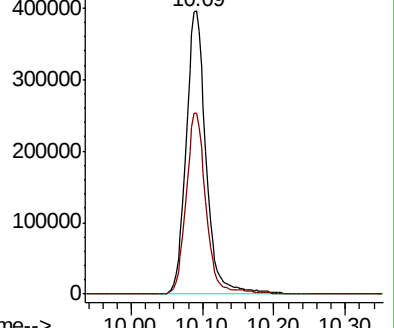
98 100

100 64.1 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN055172.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055172.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.491 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055196.D

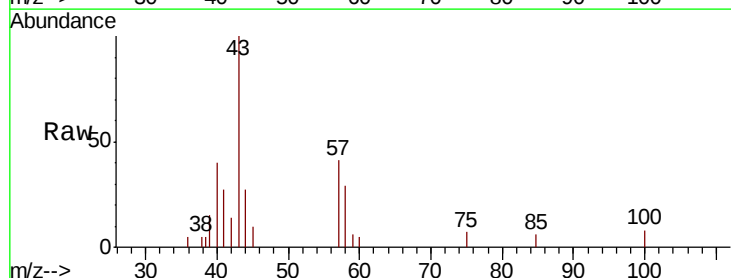
Acq: 23 Apr 2019 10:58

Tgt Ion: 43 Resp: 6510

Ion Ratio Lower Upper

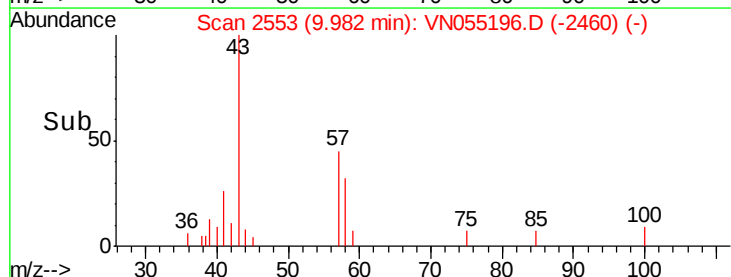
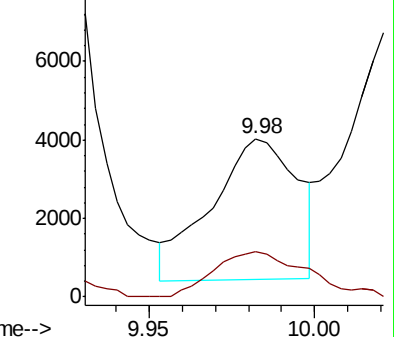
43 100

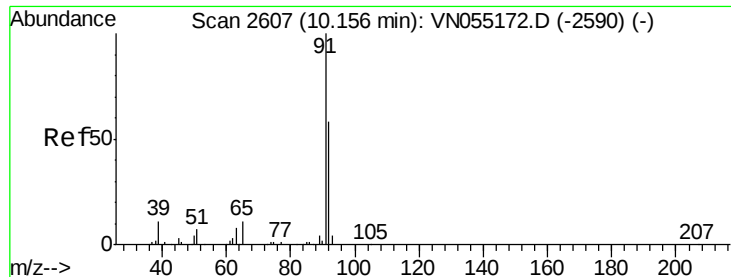
58 34.6 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN055172.D (-2532) (-)





#52

Toluene

Concen: 0.207 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

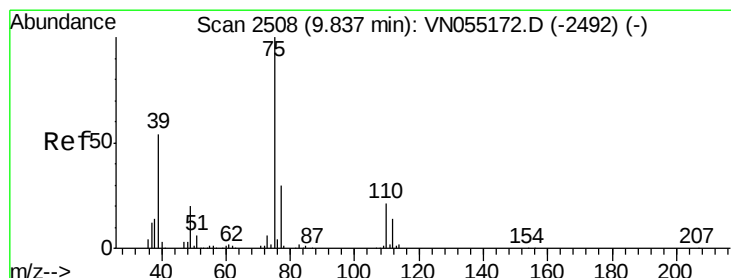
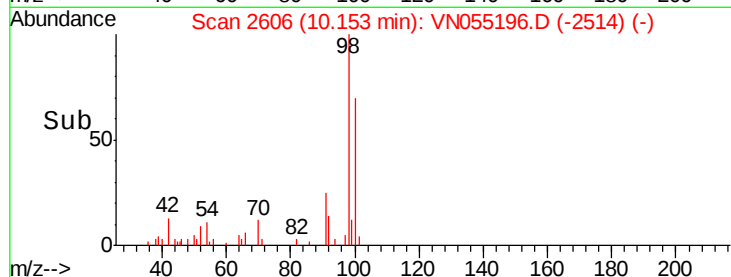
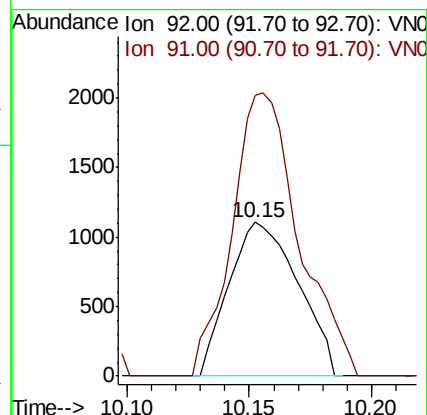
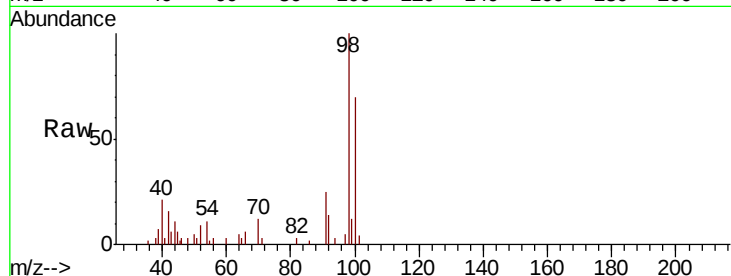
PB119126TB

Tgt Ion: 92 Resp: 2176

Ion Ratio Lower Upper

92 100

91 177.4 138.7 208.1



#54

cis-1,3-Dichloropropene

Concen: 9.672 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

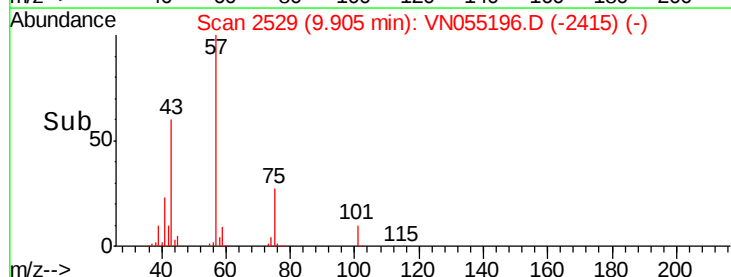
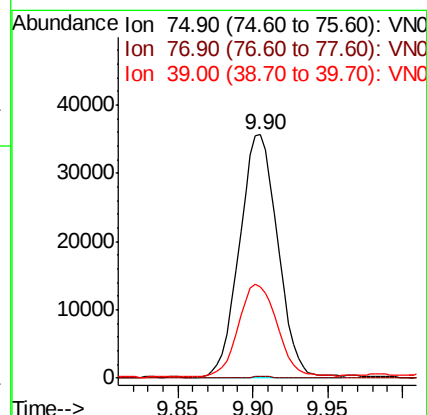
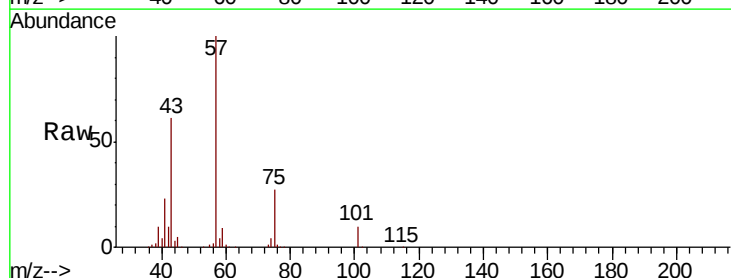
Tgt Ion: 75 Resp: 63871

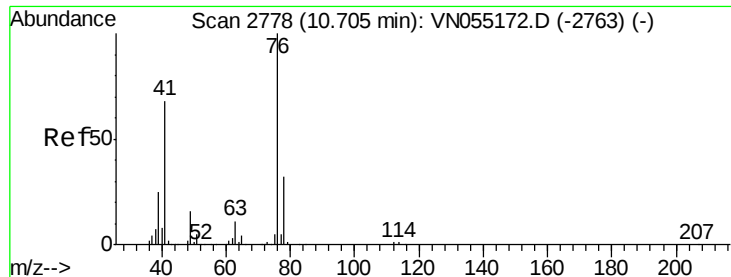
Ion Ratio Lower Upper

75 100

77 0.5 24.3 36.5#

39 36.8 43.0 64.4#





#57

1,3-Dichloropropane

Concen: 1.665 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

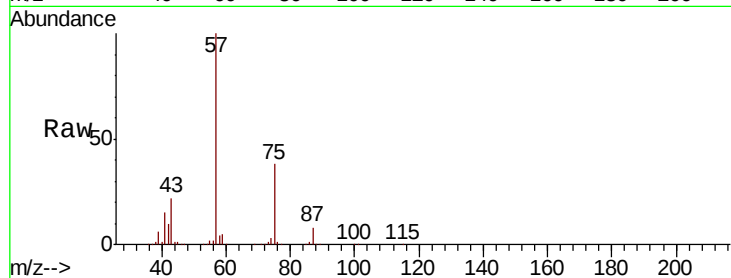
PB119126TB

Tgt Ion: 76 Resp: 11225

Ion Ratio Lower Upper

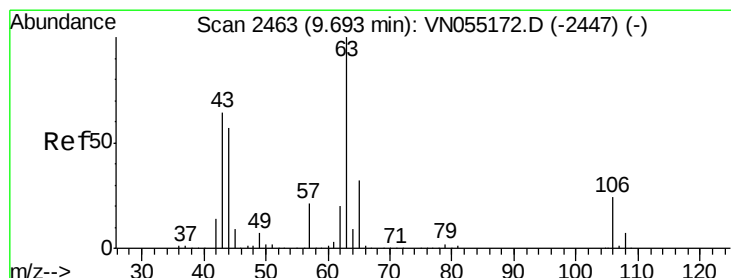
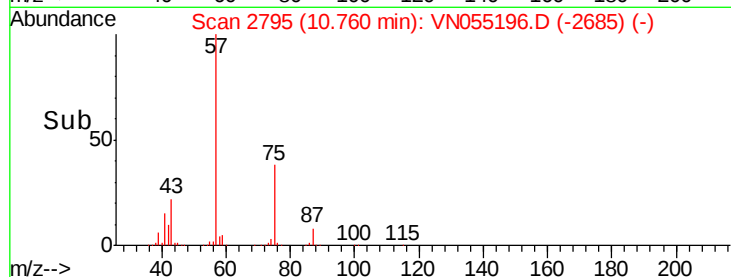
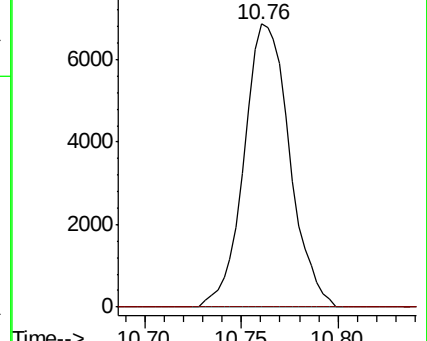
76 100

78 0.0 25.3 37.9#



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: 11.384 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.21 min

Lab File: VN055196.D

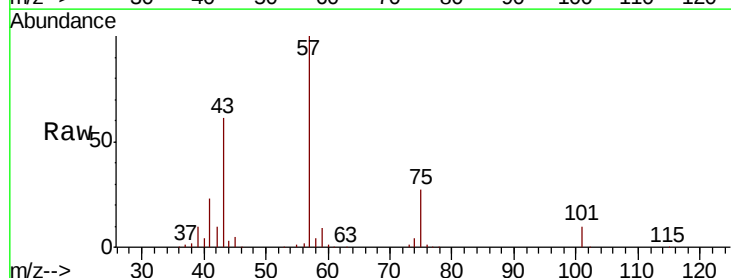
Acq: 23 Apr 2019 10:58

Tgt Ion: 63 Resp: 200

Ion Ratio Lower Upper

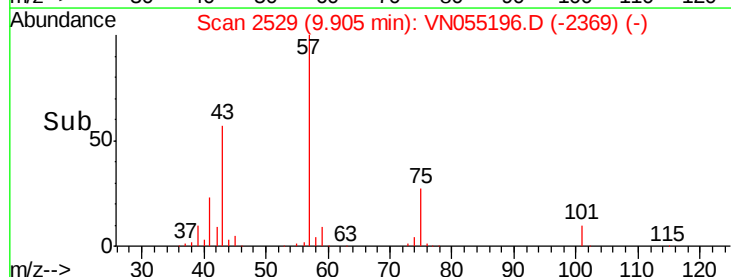
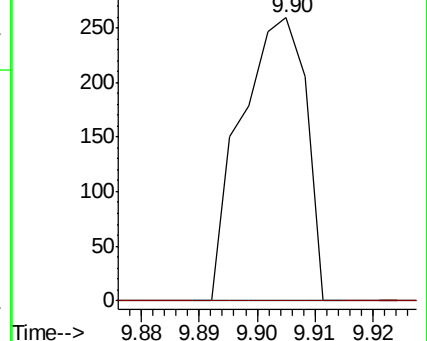
63 100

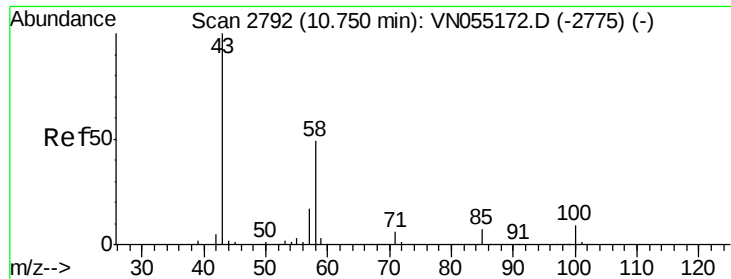
106 0.0 19.4 29.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

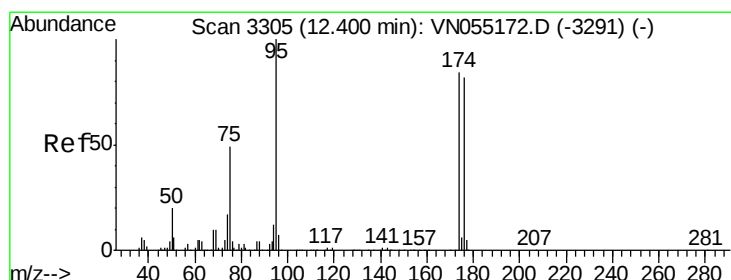
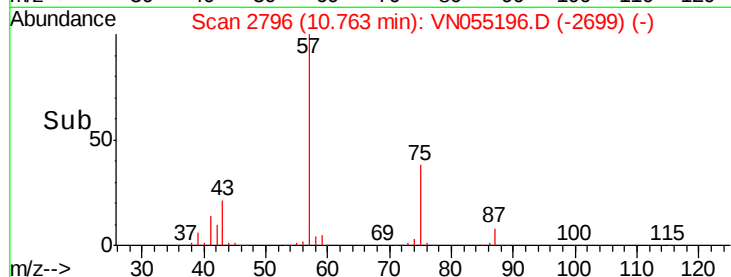
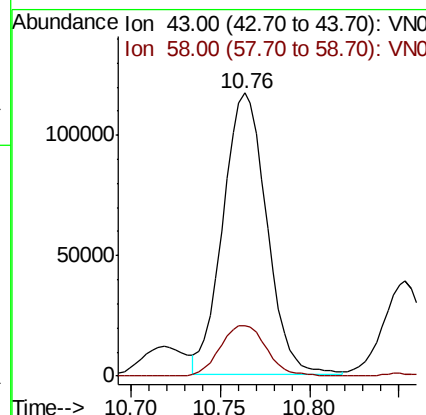
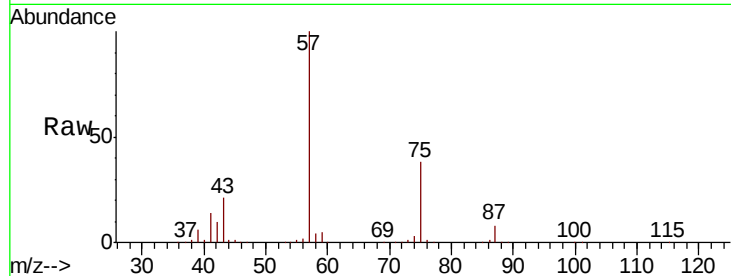




#59
2-Hexanone
Concen: 72.339 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN055196.D
Acq: 23 Apr 2019 10:58

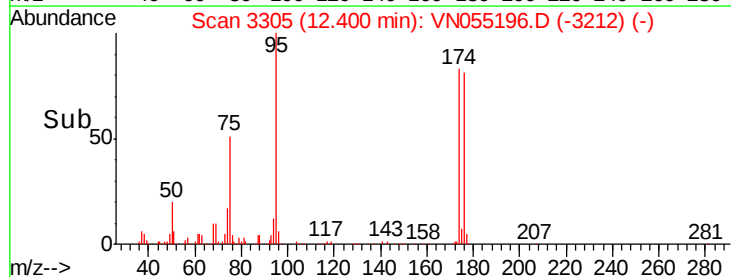
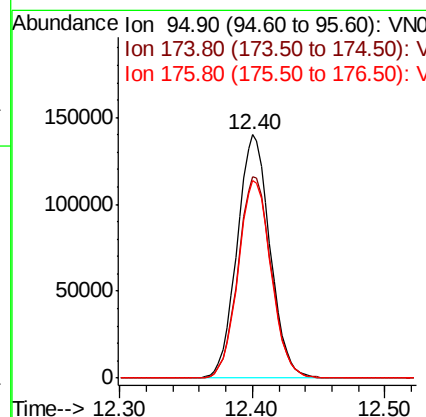
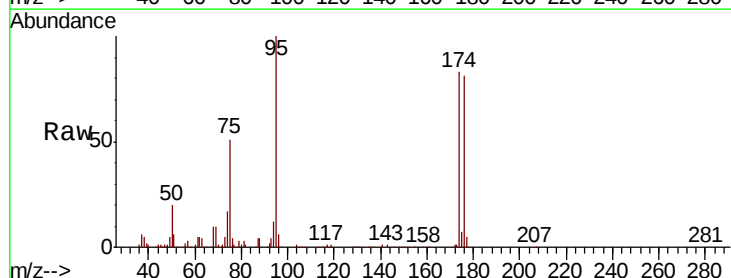
Instrument :
MSVOA_N
ClientSampled :
PB119126TB

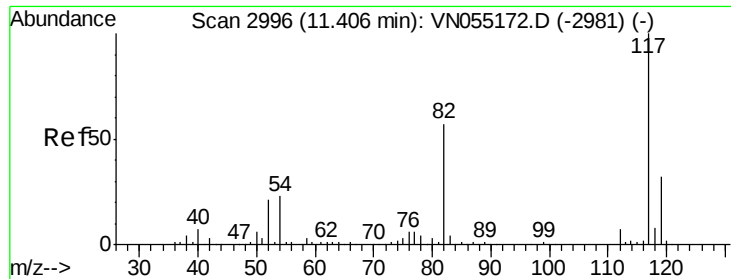
Tgt Ion: 43 Resp: 199524
Ion Ratio Lower Upper
43 100
58 19.3 24.5 73.5#



#62
4-Bromofluorobenzene
Concen: 48.444 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055196.D
Acq: 23 Apr 2019 10:58

Tgt Ion: 95 Resp: 241577
Ion Ratio Lower Upper
95 100
174 83.3 0.0 168.4
176 81.4 0.0 164.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

PB119126TB

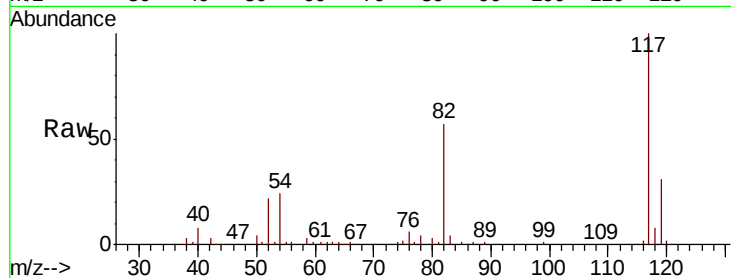
Tgt Ion:117 Resp: 570052

Ion Ratio Lower Upper

117 100

82 56.9 45.7 68.5

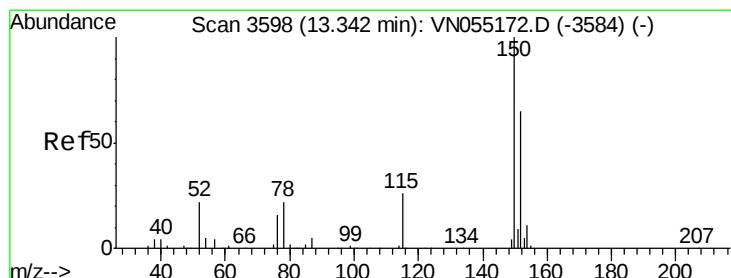
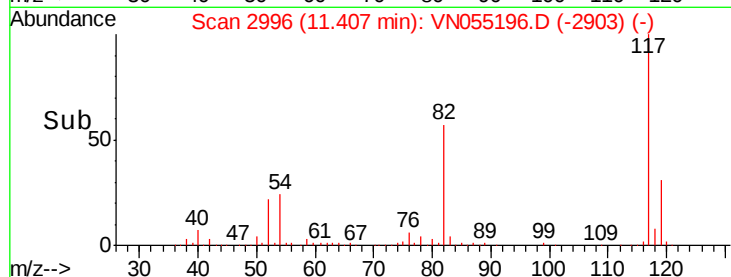
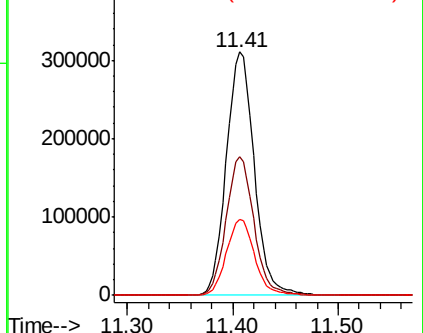
119 31.4 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

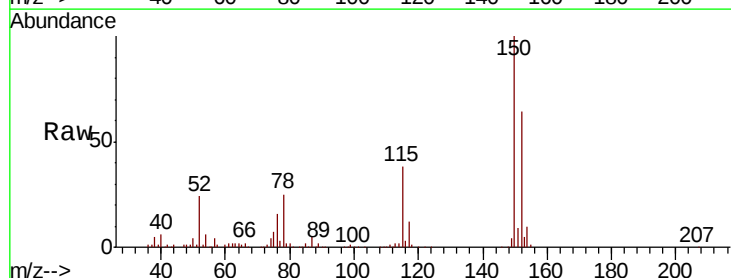
Tgt Ion:152 Resp: 166307

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

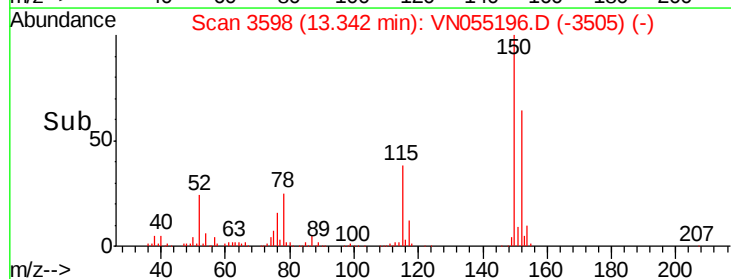
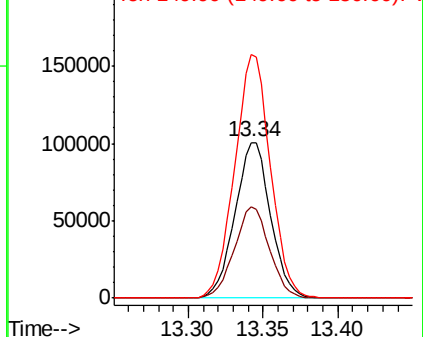
150 157.4 0.0 346.6

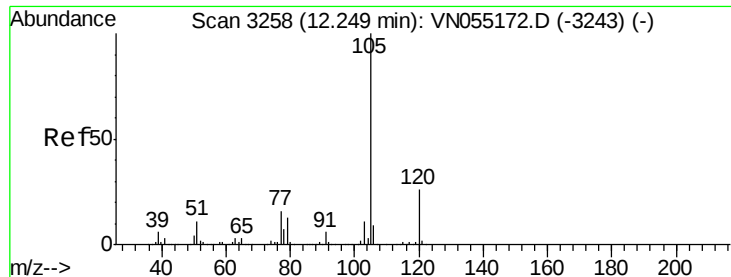


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Instrument :

MSVOA_N

ClientSampled :

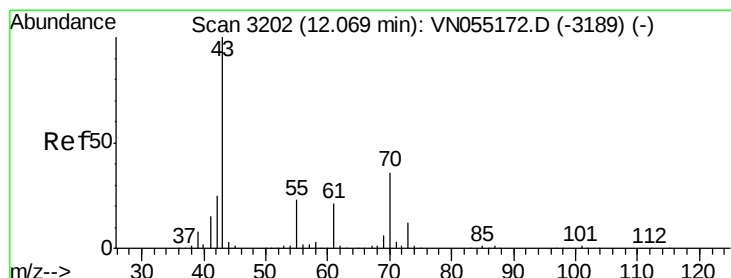
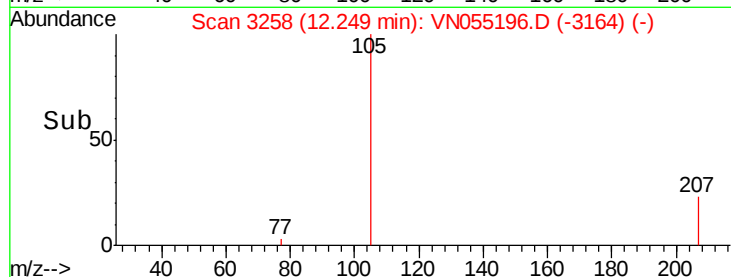
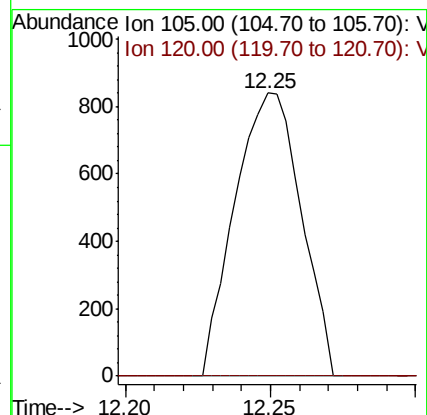
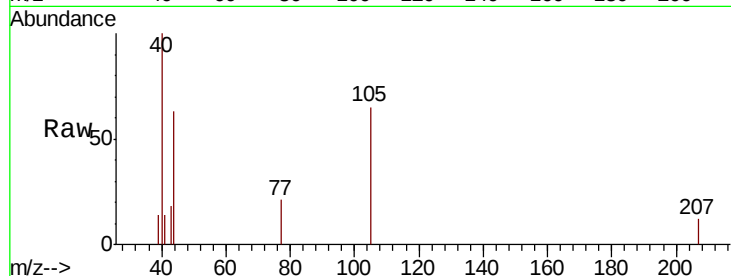
PB119126TB

Tgt Ion:105 Resp: 1335

Ion Ratio Lower Upper

105 100

120 0.0 13.1 39.1#



#74

N-ethyl acetate

Concen: 4.592 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Tgt Ion: 43 Resp: 19688

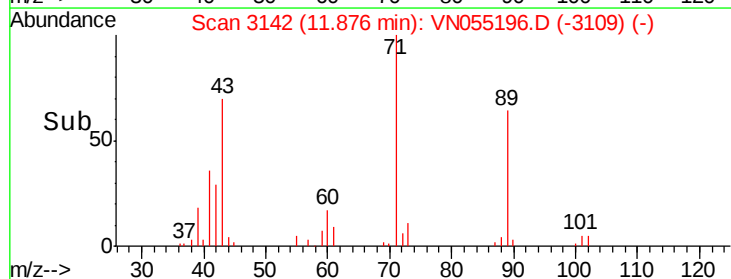
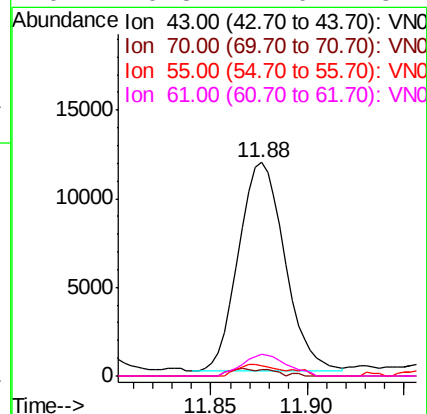
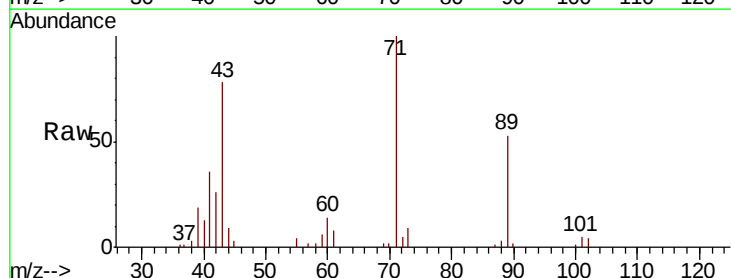
Ion Ratio Lower Upper

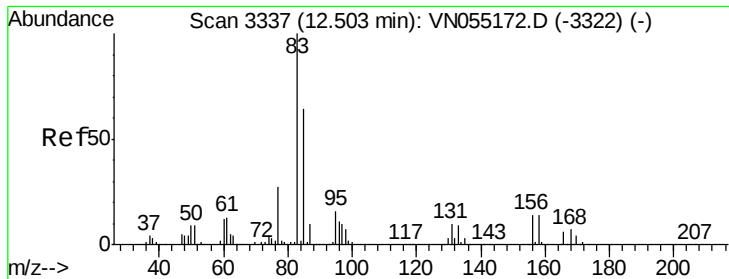
43 100

70 1.8 29.0 43.6#

55 5.6 18.5 27.7#

61 9.8 17.0 25.4#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3340

Delta R.T. 0.01 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

PB119126TB

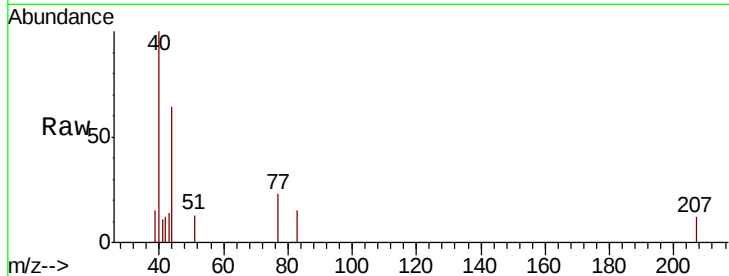
Tgt Ion: 83 Resp: 110

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

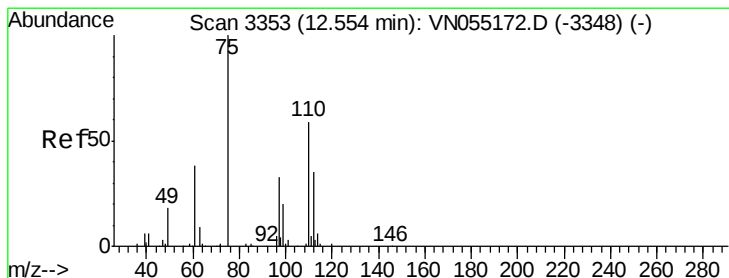
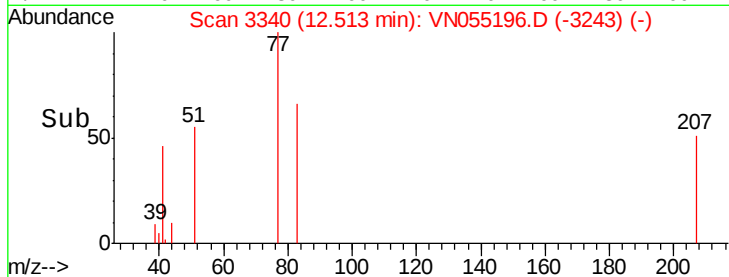
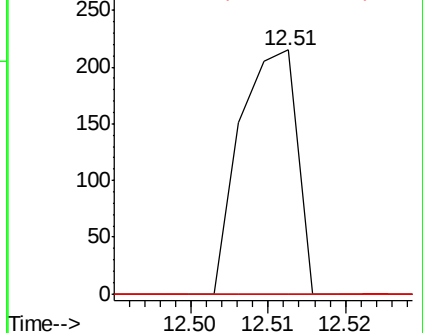
85 0.0 32.1 96.3#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 36.313 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055196.D

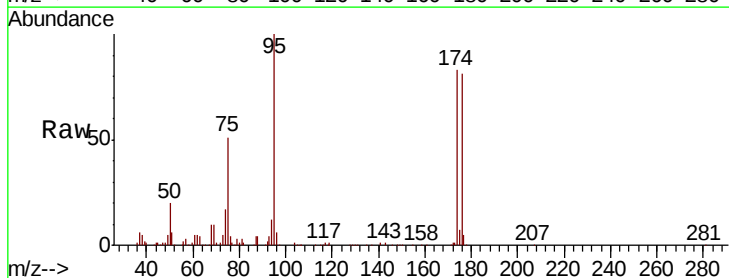
Acq: 23 Apr 2019 10:58

Tgt Ion: 75 Resp: 122516

Ion Ratio Lower Upper

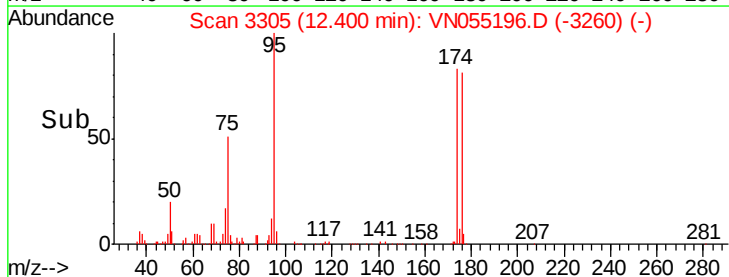
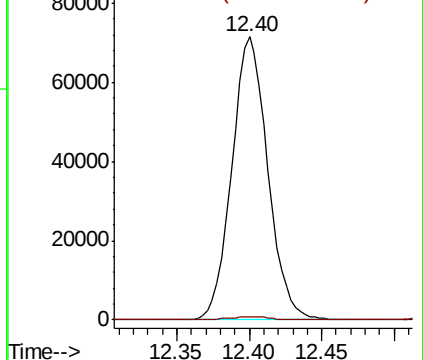
75 100

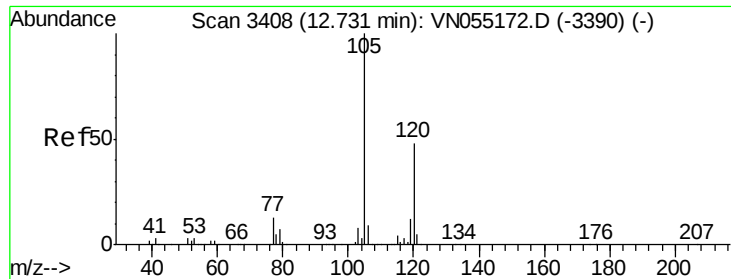
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC

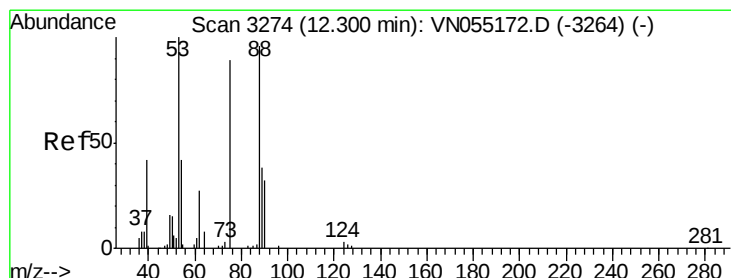
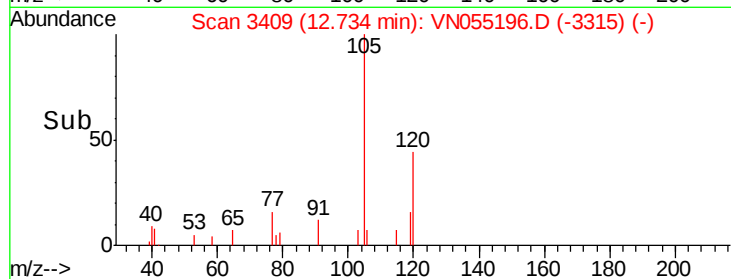
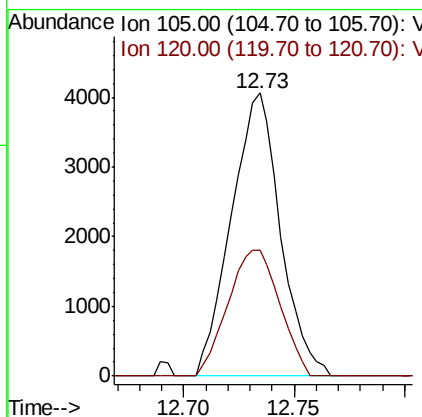
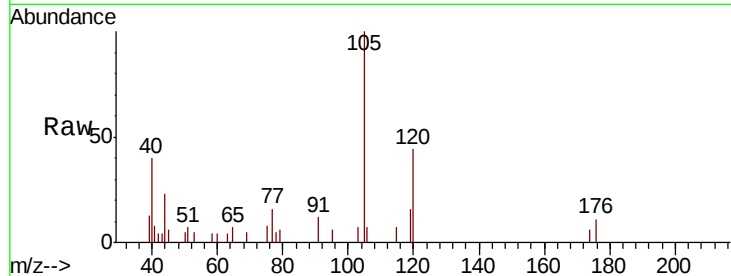




#80
 1,3,5-Trimethylbenzene
 Concen: 0.503 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN055196.D
 Acq: 23 Apr 2019 10:58

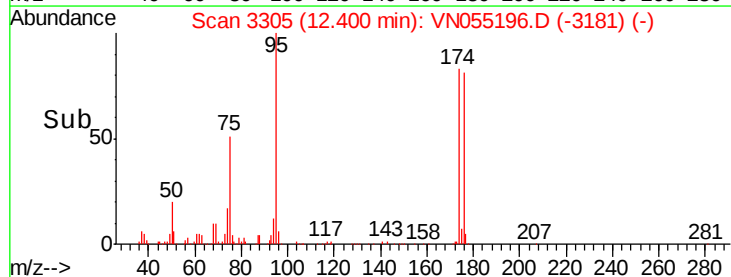
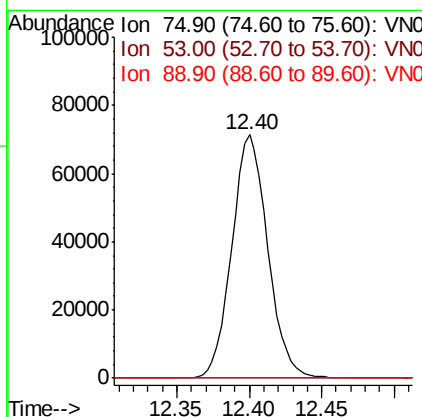
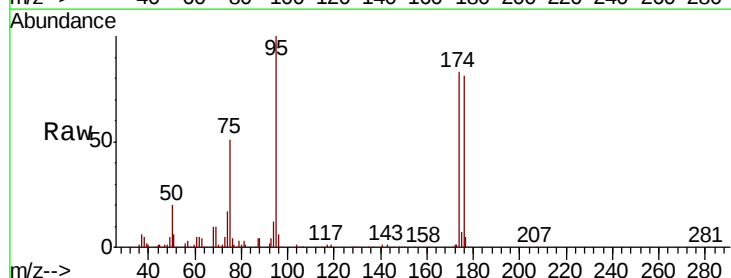
Instrument :
 MSVOA_N
 ClientSampleId :
 PB119126TB

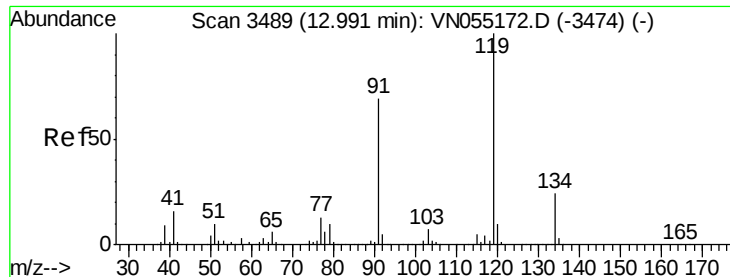
Tgt Ion: 105 Resp: 6261
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.655 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055196.D
 Acq: 23 Apr 2019 10:58

Tgt Ion: 75 Resp: 122516
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.1 135.1#
 89 0.0 36.7 55.1#

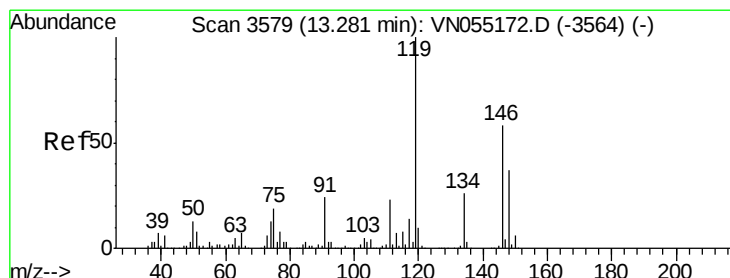
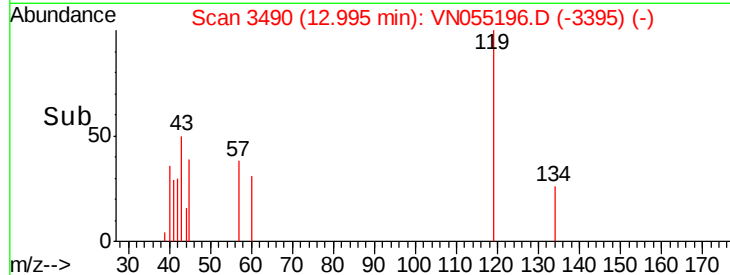
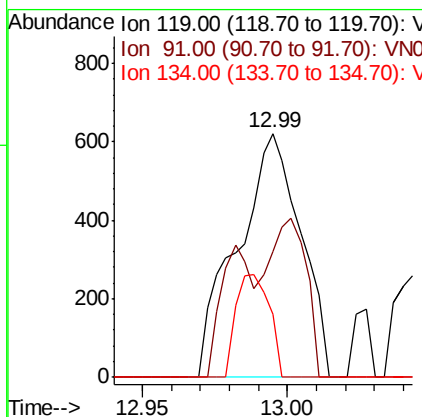
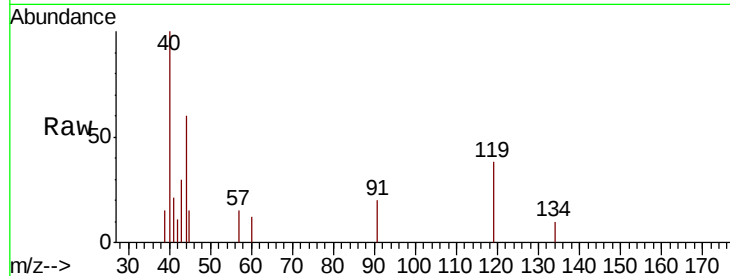




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055196.D
 Acq: 23 Apr 2019 10:58

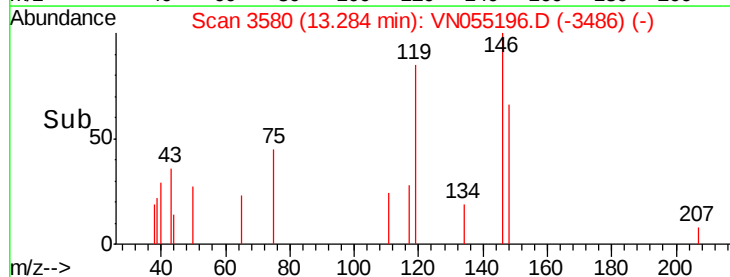
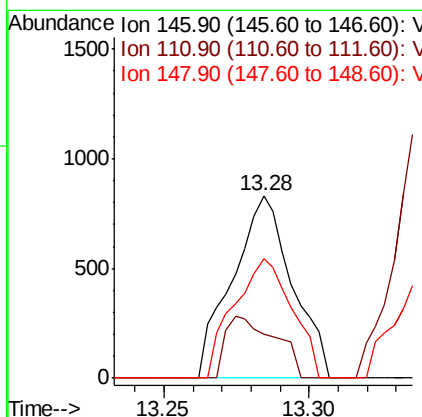
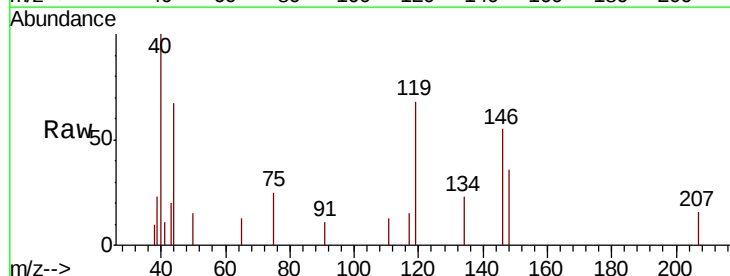
Instrument :
 MSVOA_N
 ClientSampled :
 PB119126TB

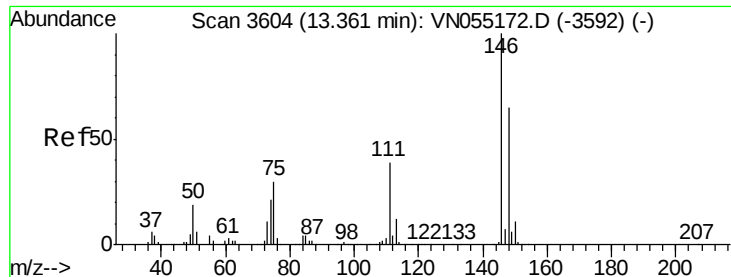
Tgt Ion:	119	Resp:	945
Ion	Ratio	Lower	Upper
119	100		
91	40.0	33.8	101.3
134	22.0	13.2	39.5



#87
 1,3-Dichlorobenzene
 Concen: 0.211 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055196.D
 Acq: 23 Apr 2019 10:58

Tgt Ion:	146	Resp:	1189
Ion	Ratio	Lower	Upper
146	100		
111	27.9	19.7	59.1
148	63.7	32.0	96.0

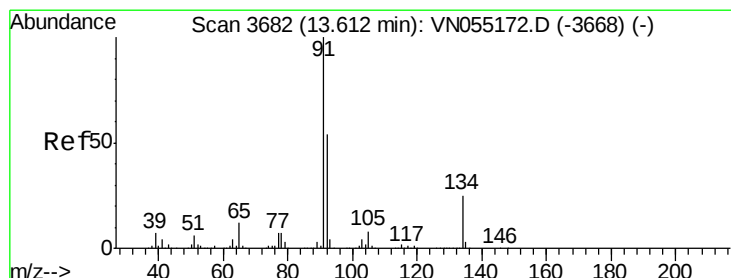
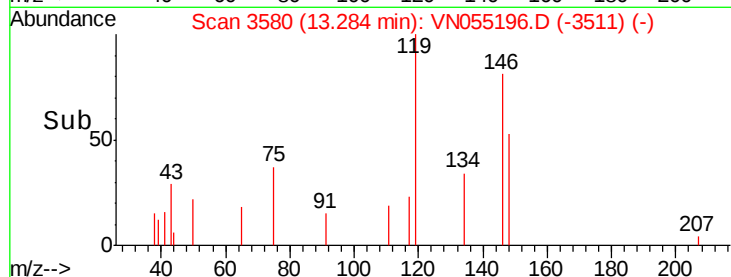
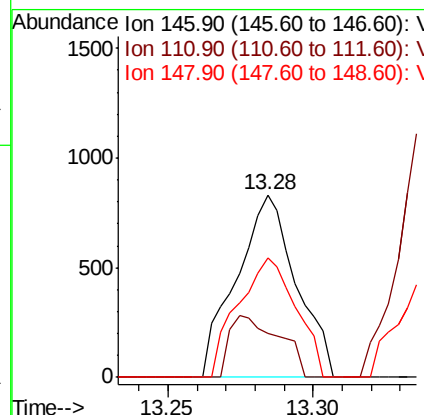
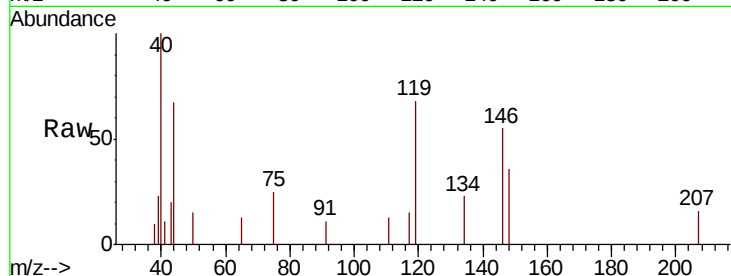




#88
 1,4-Dichlorobenzene
 Concen: 0.217 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN055196.D
 Acq: 23 Apr 2019 10:58

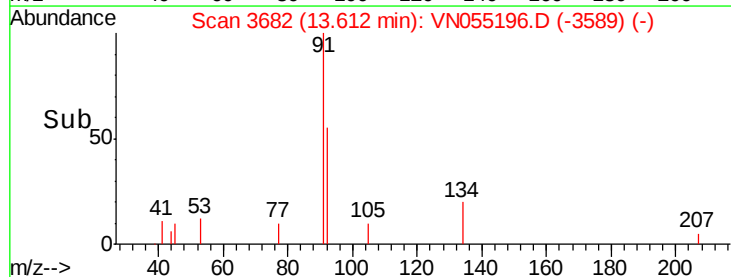
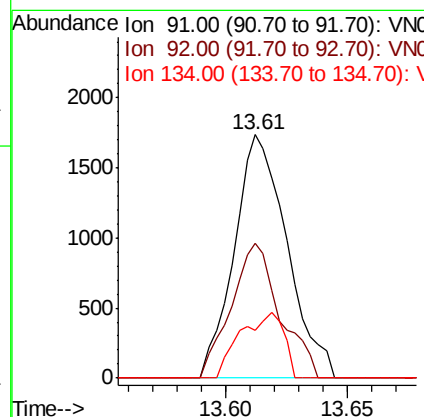
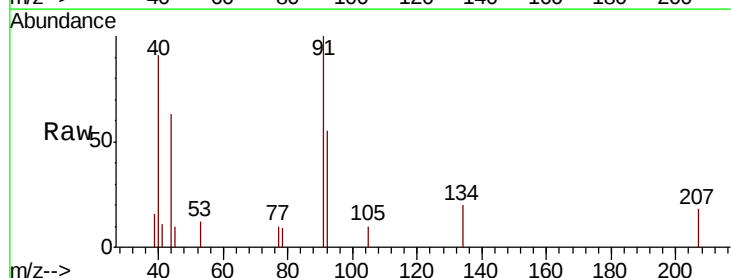
Instrument :
 MSVOA_N
 ClientSampled :
 PB119126TB

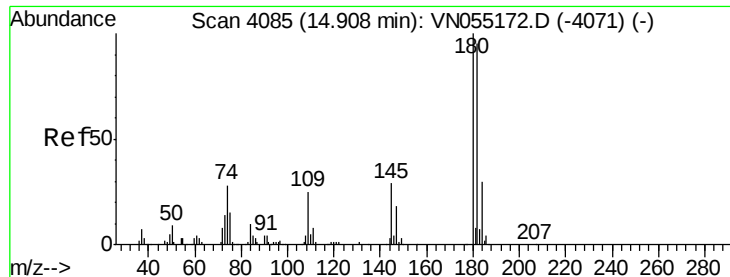
Tgt Ion: 146 Resp: 1189
 Ion Ratio Lower Upper
 146 100
 111 27.9 19.4 58.2
 148 63.7 32.9 98.6



#89
 n-Butylbenzene
 Concen: 0.303 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN055196.D
 Acq: 23 Apr 2019 10:58

Tgt Ion: 91 Resp: 2602
 Ion Ratio Lower Upper
 91 100
 92 51.3 26.4 79.2
 134 22.2 12.8 38.4

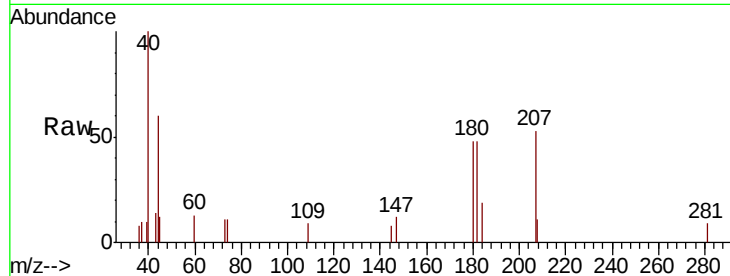




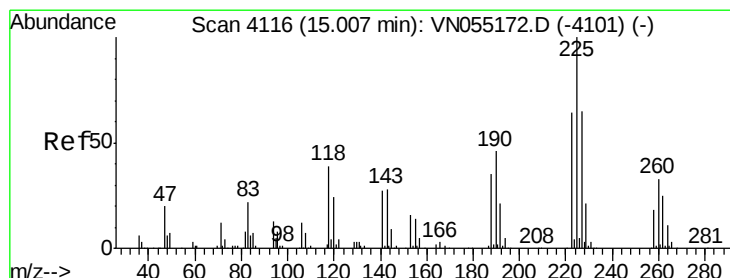
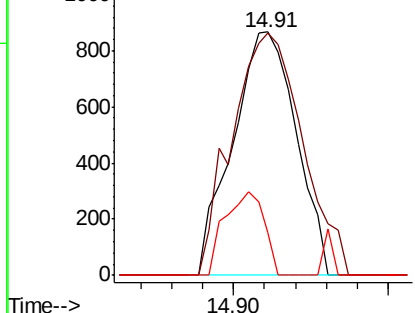
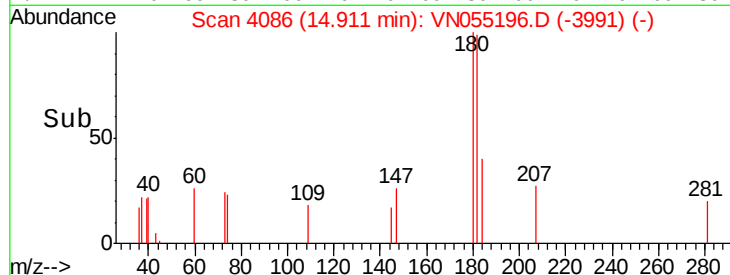
#93
 1,2,4-Trichlorobenzene
 Concen: 3.217 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055196.D
 Acq: 23 Apr 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 PB119126TB

Tgt Ion:180 Resp: 1239
 Ion Ratio Lower Upper
 180 100
 182 110.7 47.8 143.4
 145 21.4 14.5 43.5

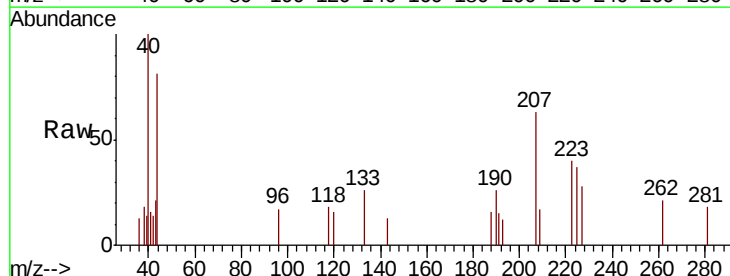


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

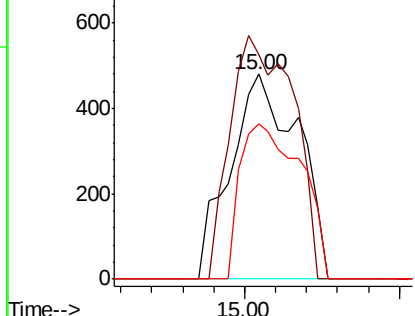
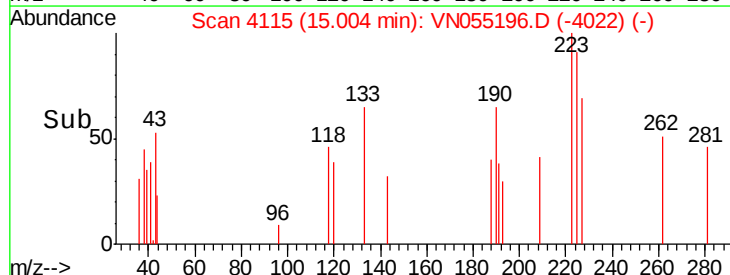


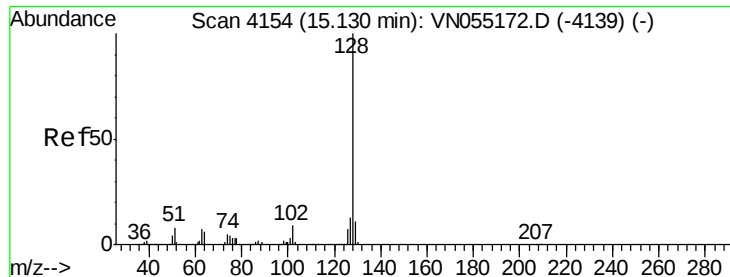
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN055196.D
 Acq: 23 Apr 2019 10:58

Tgt Ion:225 Resp: 735
 Ion Ratio Lower Upper
 225 100
 223 110.6 32.2 96.6#
 227 68.2 32.6 98.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.025 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

PB119126TB

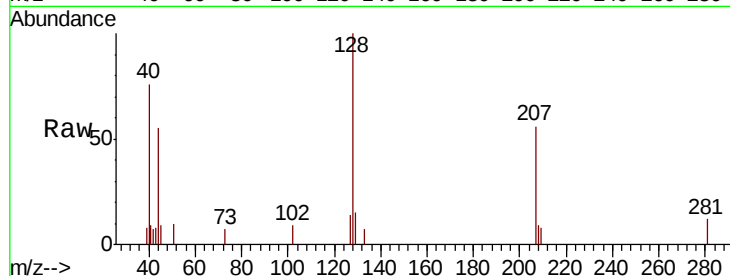
Tgt Ion:128 Resp: 3637

Ion Ratio Lower Upper

128 100

127 14.0 10.3 15.5

129 8.2 8.8 13.2#

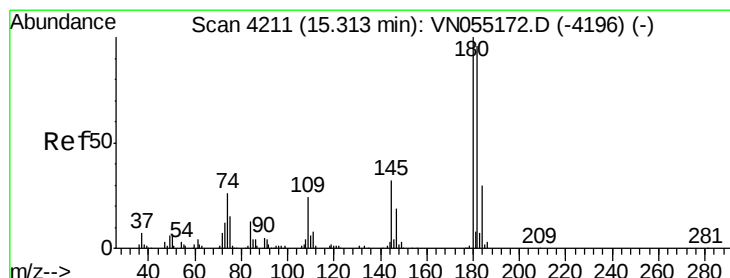
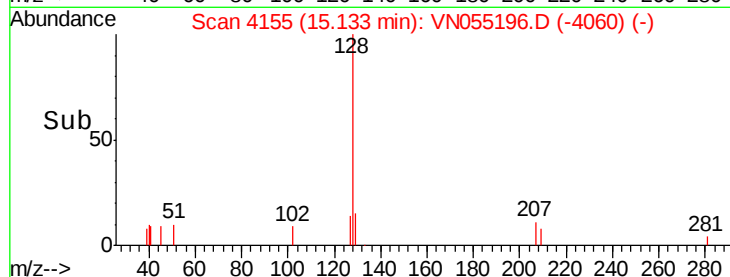
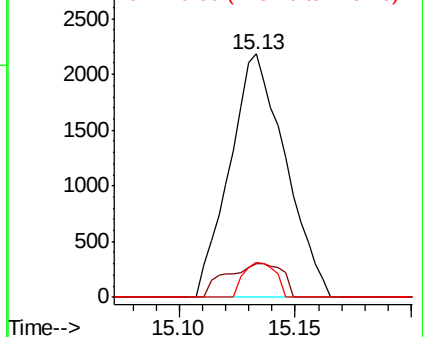


Abundance

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: 2.756 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055196.D

Acq: 23 Apr 2019 10:58

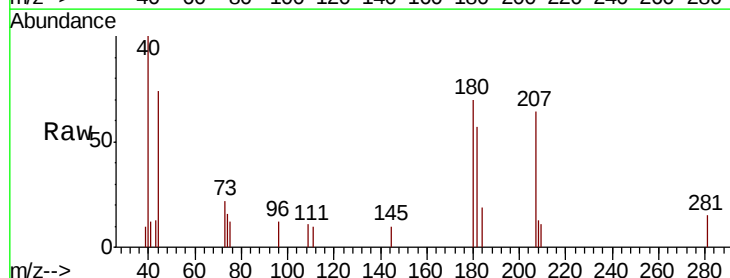
Tgt Ion:180 Resp: 1605

Ion Ratio Lower Upper

180 100

182 86.8 47.2 141.6

145 10.8 15.4 46.1#



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

