

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112919\
 Data File : VN059442.D
 Acq On : 29 Nov 2019 12:55
 Operator : JC/SP
 Sample : K6024-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

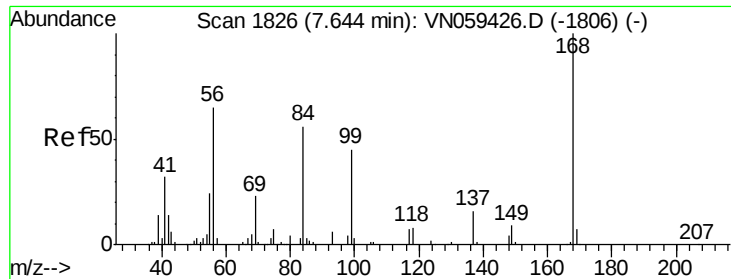
Quant Time: Nov 29 22:26:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	345154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	522659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	453690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	168999	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	194296	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
35) Dibromofluoromethane	7.57	113	160548	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	10.08	98	629062	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	198944	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	763	0.396	ug/l #	41
20) Methylene Chloride	4.53	84	3214	0.821	ug/l	93
29) Tetrahydrofuran	7.21	42	451	0.256	ug/l #	33
31) Cyclohexane	7.65	56	6207	0.911	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	25022	4.978	ug/l #	49
38) Carbon Tetrachloride	7.64	117	31579	6.658	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	2587	0.552	ug/l #	1
74) N-amyl acetate	12.06	43	292	Below Cal	#	42
76) 1,2,3-Trichloropropane	12.40	75	94021	24.592	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	94021	63.189	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.26	75	96	Below Cal	#	1
95) Naphthalene	15.14	128	1853	Below Cal	#	70
96) 1,2,3-Trichlorobenzene	15.30	180	533	Below Cal	#	33

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059442.D

Acq: 29 Nov 2019 12:55

Instrument :

MSVOA_N

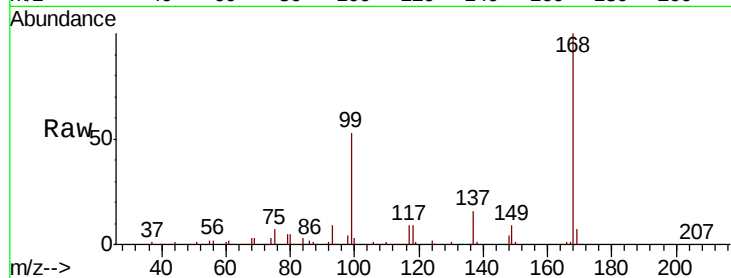
ClientSampled :

Tot Ion:168 Resp: 345154

Ion Ratio Lower Upper

168 100

99 52.7 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

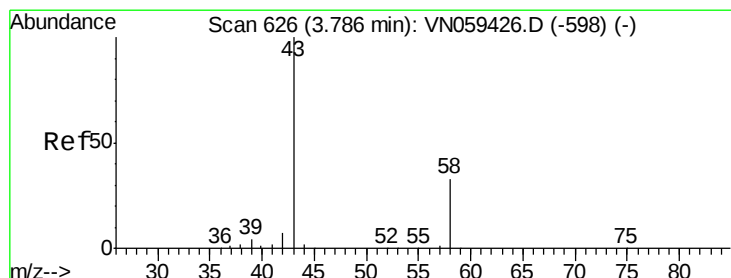
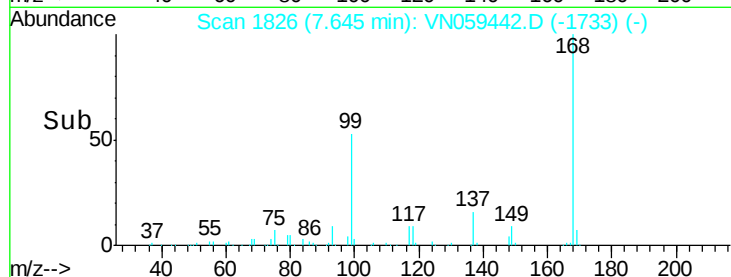
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 0.396 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059442.D

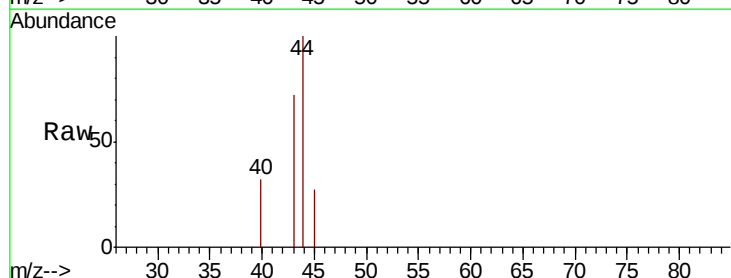
Acq: 29 Nov 2019 12:55

Tgt Ion: 43 Resp: 763

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.80

600

500

400

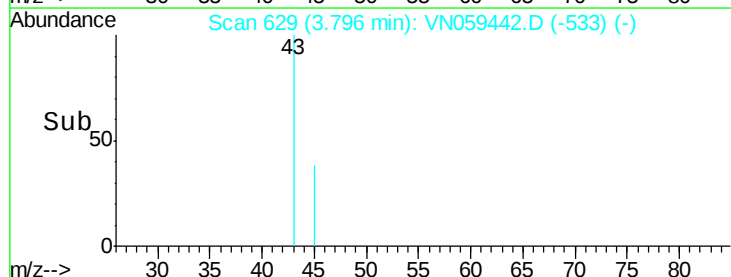
300

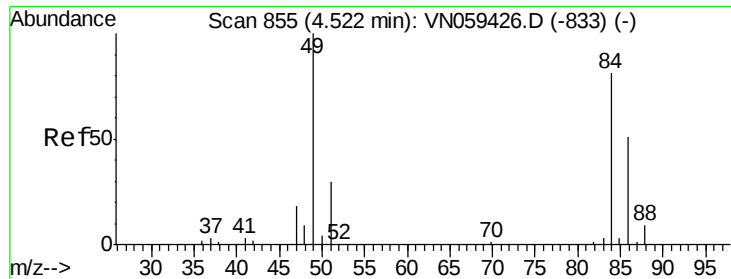
200

100

0

Time--> 3.76 3.78 3.80

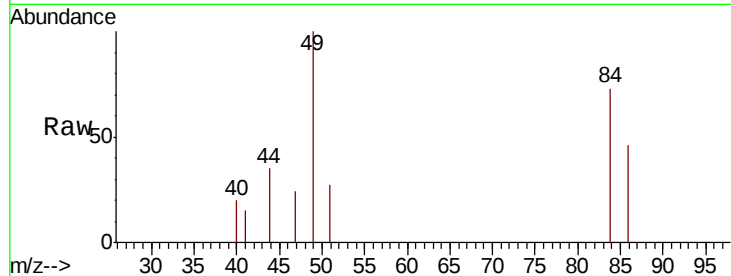




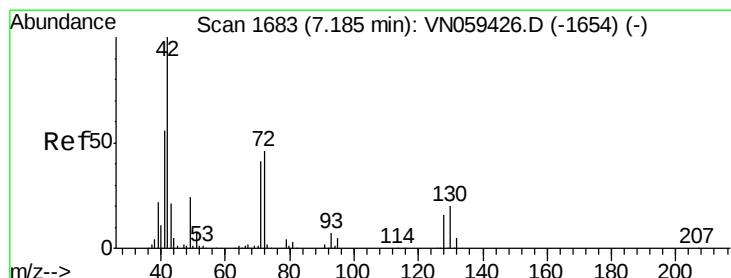
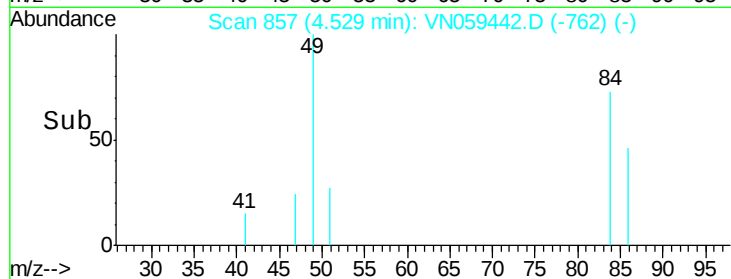
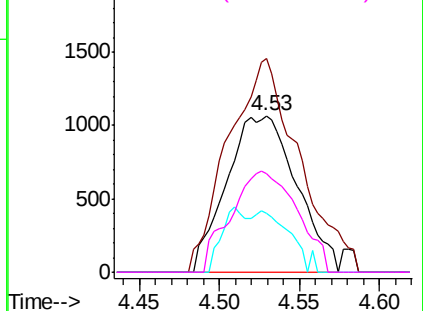
#20
Methvlene Chloride
Concen: 0.821 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059442.D
Acq: 29 Nov 2019 12:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	84	Resp:	3214
Ion	Ratio	Lower	Upper
84	100		
49	136.5	98.6	148.0
51	37.4	29.4	44.0
86	62.6	50.6	76.0

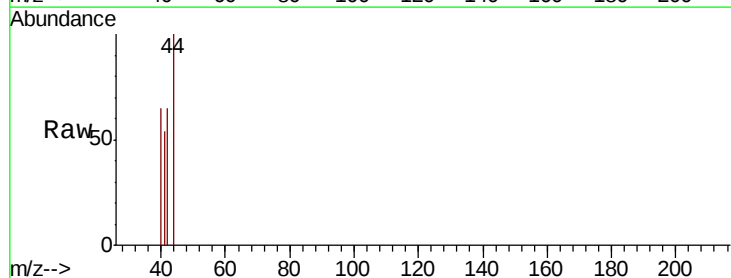


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

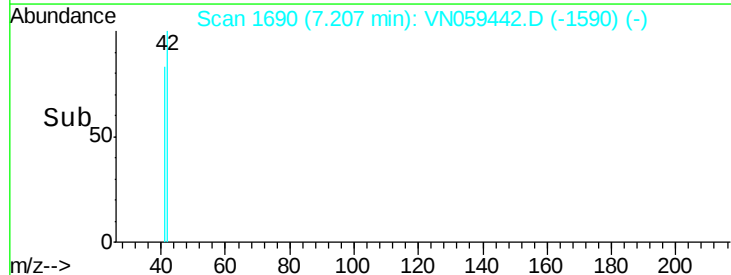
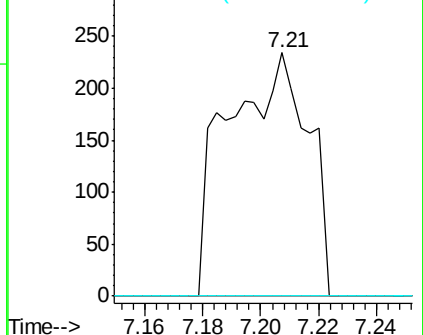


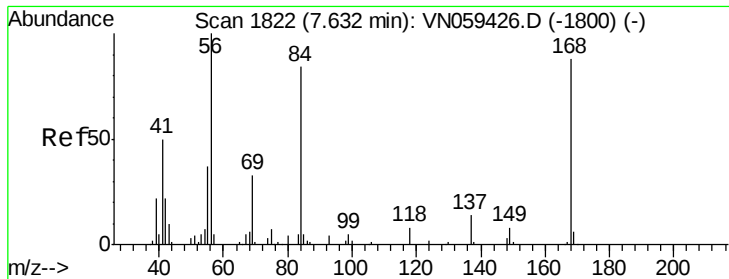
#29
Tetrahydrofuran
Concen: 0.256 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.02 min
Lab File: VN059442.D
Acq: 29 Nov 2019 12:55

Tgt Ion:	42	Resp:	451
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	0.0	33.0	49.6#



Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

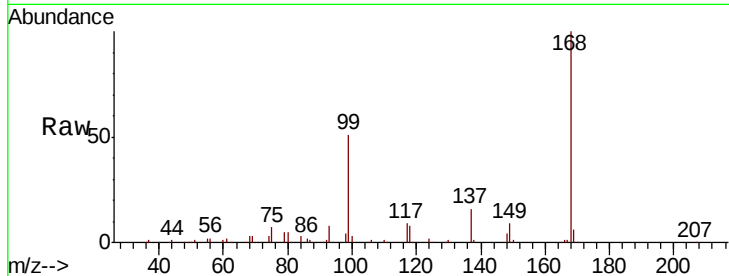




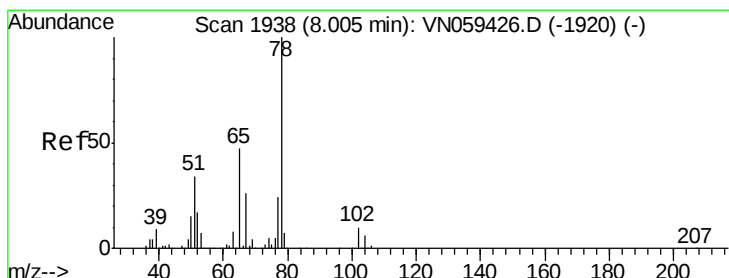
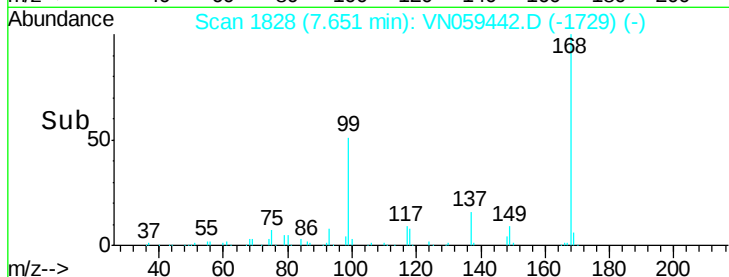
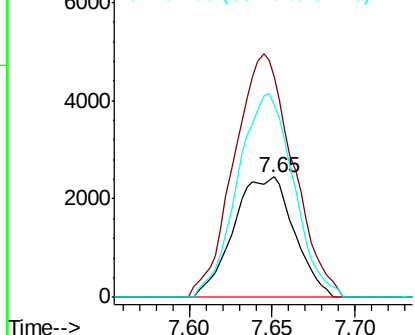
#31
Cyclohexane
Concen: 0.911 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN059442.D
Acq: 29 Nov 2019 12:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 6207
Ion Ratio Lower Upper
56 100
69 183.1 26.4 39.6#
84 159.8 67.0 100.6#

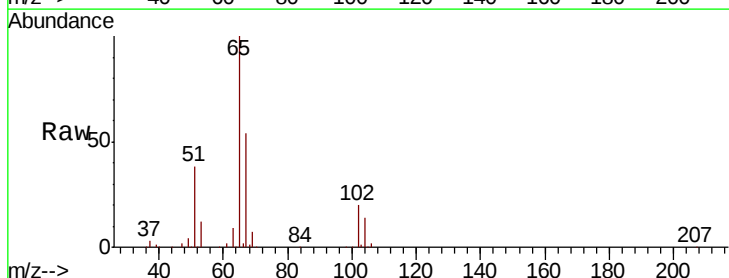


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

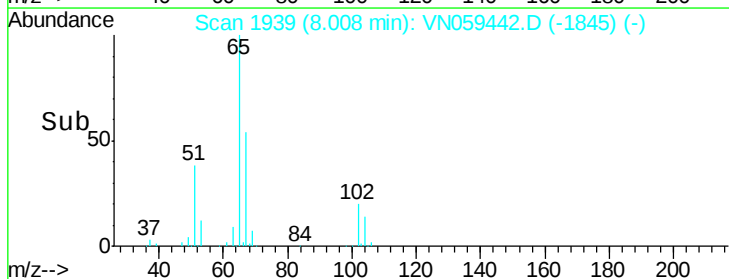
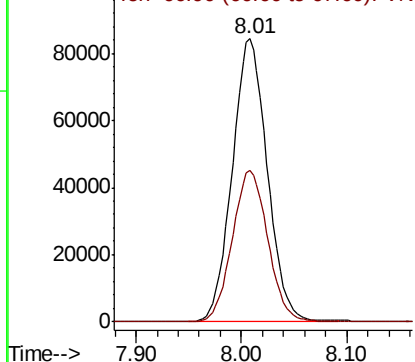


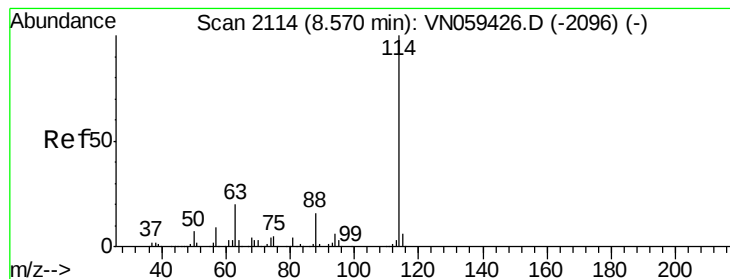
#33
1,2-Dichloroethane-d4
Concen: 48.056 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059442.D
Acq: 29 Nov 2019 12:55

Tgt Ion: 65 Resp: 194296
Ion Ratio Lower Upper
65 100
67 54.3 0.0 111.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059442.D

Acq: 29 Nov 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

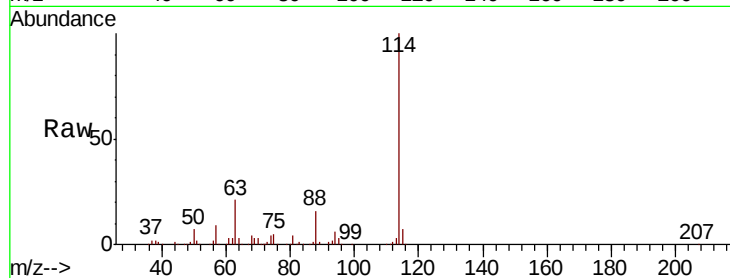
Tot Ion:114 Resp: 522659

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.4

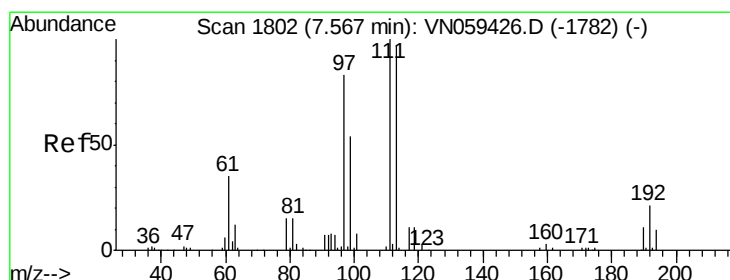
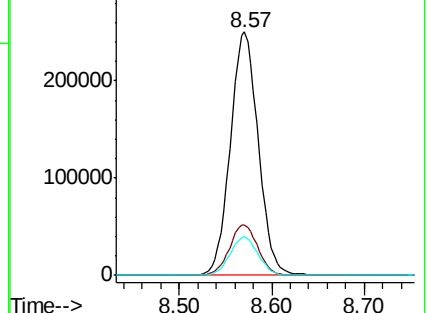
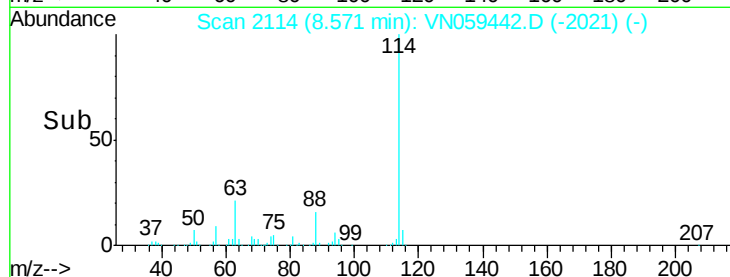
88 15.8 0.0 32.2



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: 50.430 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059442.D

Acq: 29 Nov 2019 12:55

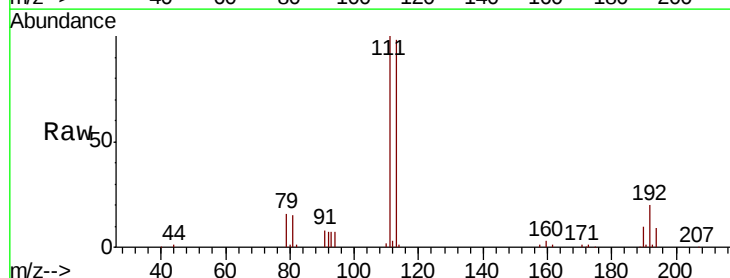
Tgt Ion:113 Resp: 160548

Ion Ratio Lower Upper

113 100

111 101.4 81.9 122.9

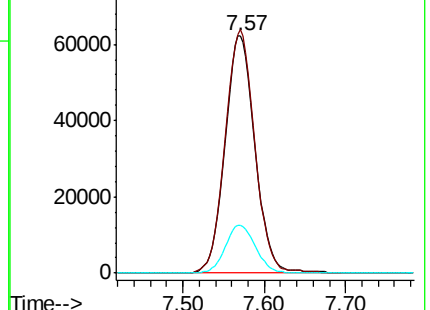
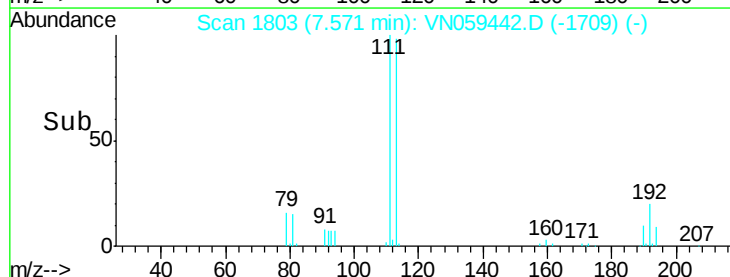
192 20.3 16.6 24.8

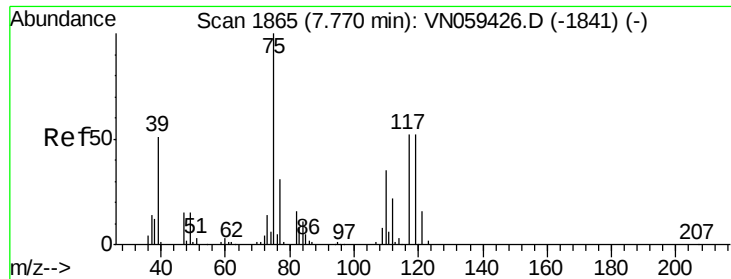


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

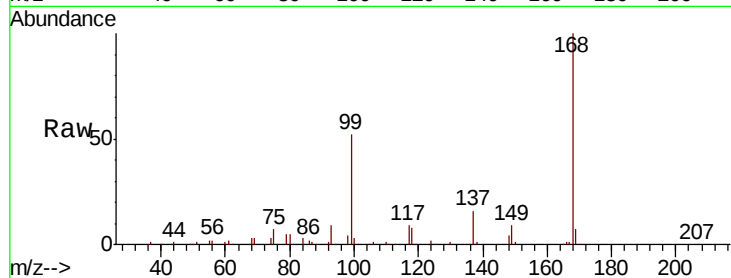




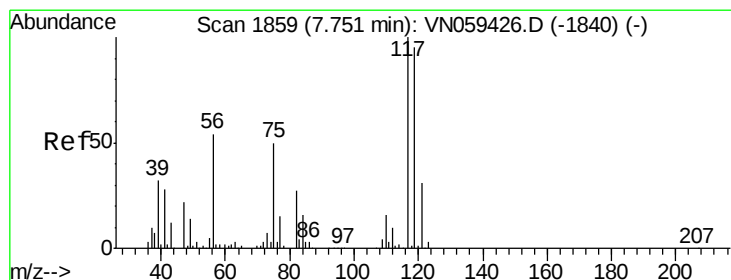
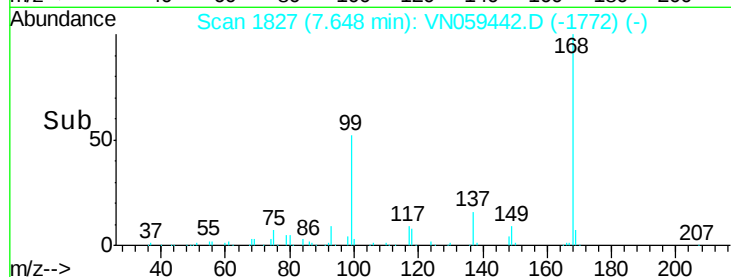
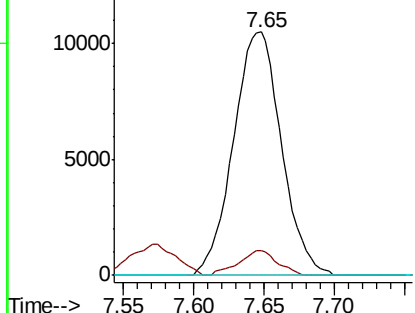
#36
 1,1-Dichloropropene
 Concen: 4.978 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.12 min
 Lab File: VN059442.D
 Acq: 29 Nov 2019 12:55

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	75	Resp	25022
Ion Ratio	Lower	Upper	
75	100		
110	8.3	17.3	52.0#
77	0.0	24.9	37.3#

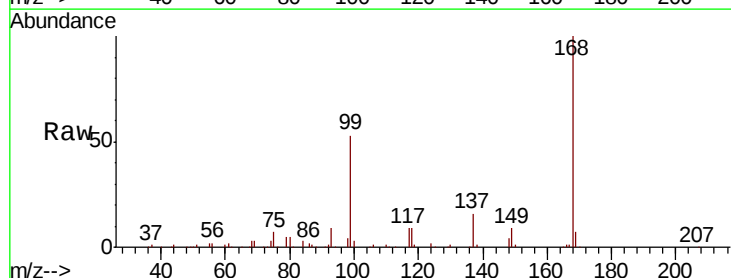


Abundance Ion 74.90 (74.60 to 75.60): VN059442.D (-1772) (-)
 Ion 109.90 (109.60 to 110.60): VN059442.D (-1772) (-)
 Ion 76.90 (76.60 to 77.60): VN059442.D (-1772) (-)

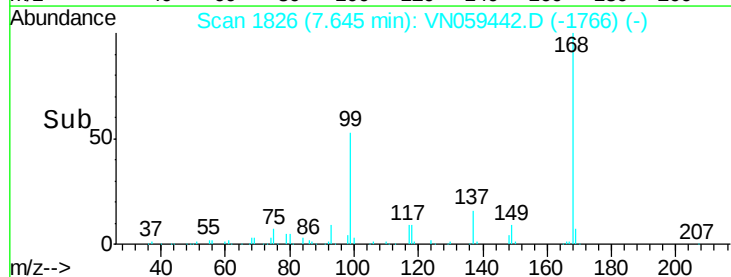
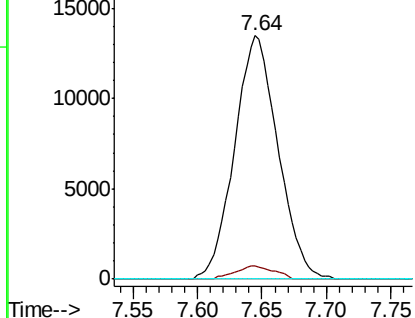


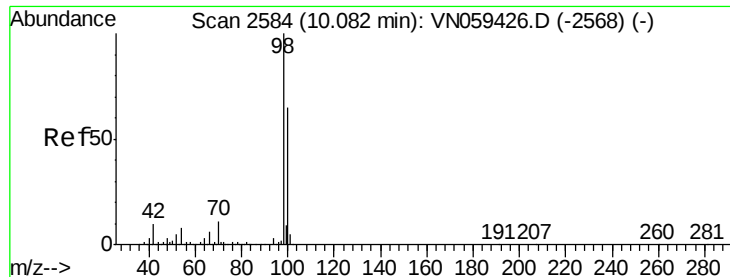
#38
 Carbon Tetrachloride
 Concen: 6.658 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059442.D
 Acq: 29 Nov 2019 12:55

Tgt Ion	117	Resp	31579
Ion Ratio	Lower	Upper	
117	100		
119	5.6	75.9	113.9#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): VN059442.D (-1766) (-)
 Ion 118.80 (118.50 to 119.50): VN059442.D (-1766) (-)
 Ion 120.80 (120.50 to 121.50): VN059442.D (-1766) (-)





#50

Toluene-d8

Concen: 49.590 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059442.D

Acq: 29 Nov 2019 12:55

Instrument :

MSVOA_N

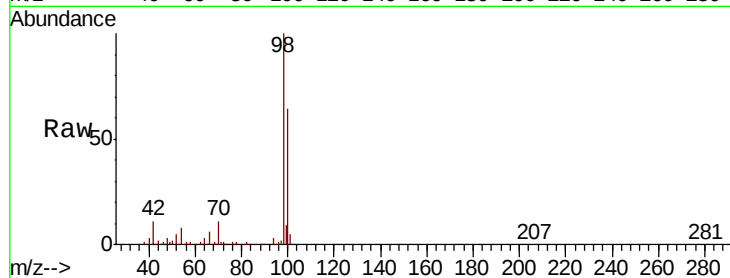
ClientSampleId :

Tot Ion: 98 Resp: 629062

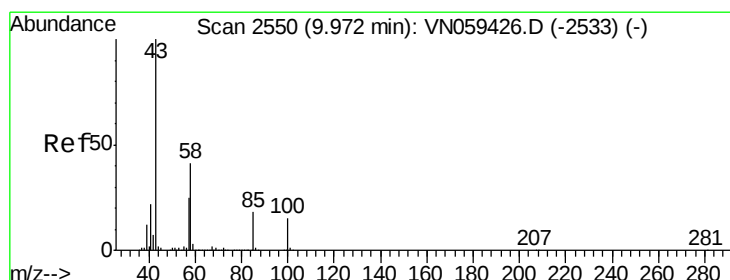
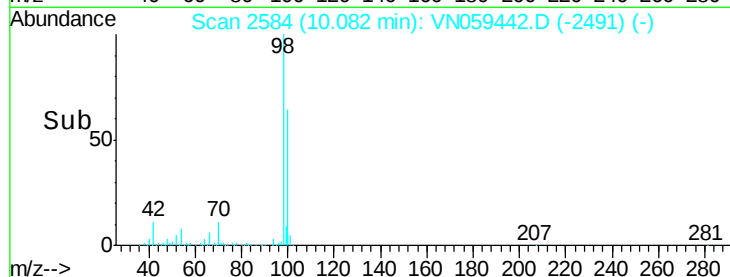
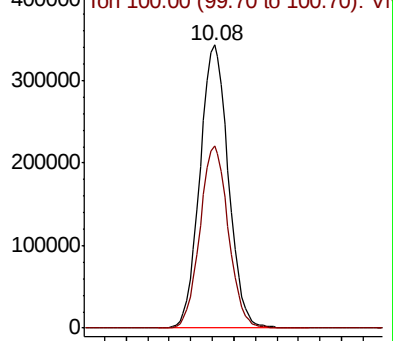
Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059442.D (-2491) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.552 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN059442.D

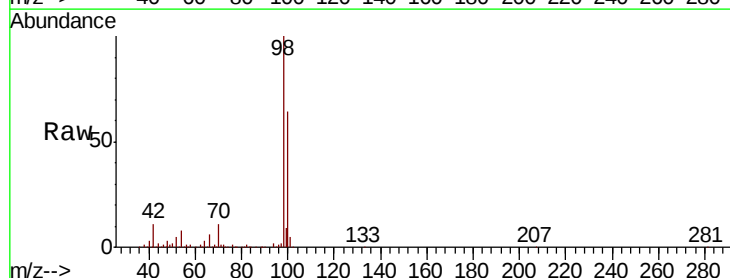
Acq: 29 Nov 2019 12:55

Tgt Ion: 43 Resp: 2587

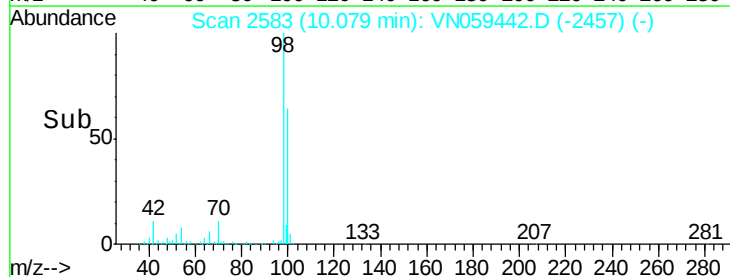
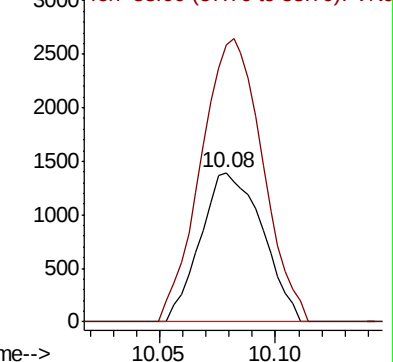
Ion Ratio Lower Upper

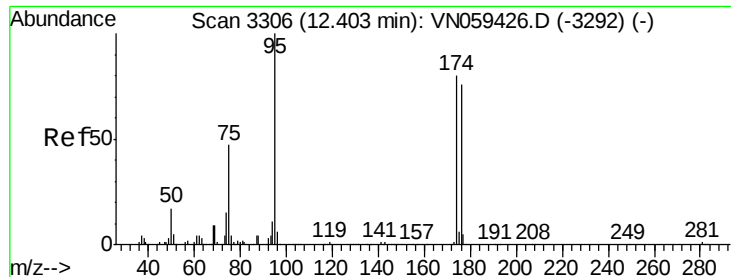
43 100

58 188.9 32.5 48.7#



Abundance Ion 43.00 (42.70 to 43.70): VN059442.D (-2457) (-)





#62

4-Bromofluorobenzene

Concen: 45.043 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059442.D

Acq: 29 Nov 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

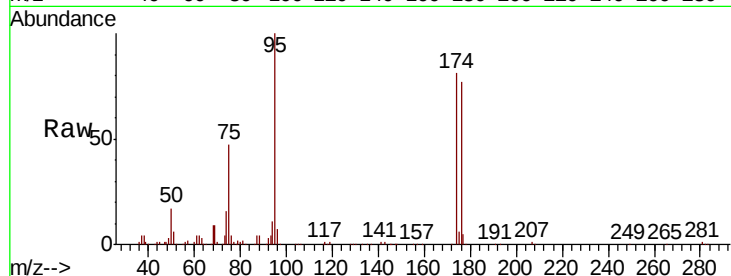
Tot Ion: 95 Resp: 198944

Ion Ratio Lower Upper

95 100

174 80.5 0.0 158.0

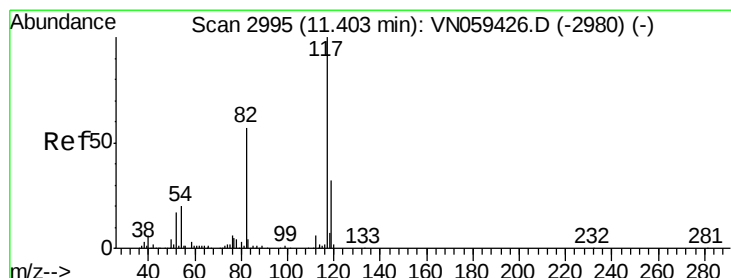
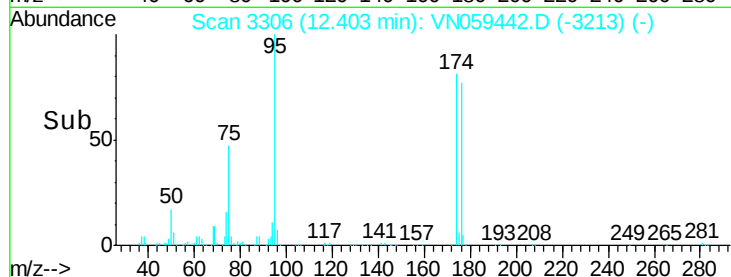
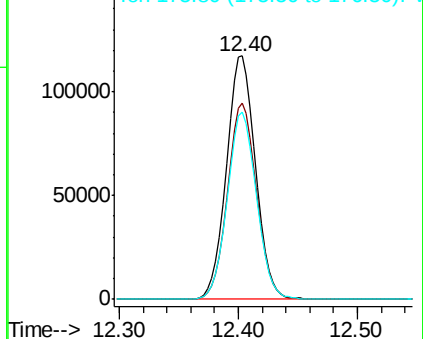
176 77.0 0.0 153.0



Abundance Ion 94.90 (94.60 to 95.60): VN059442.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN059442.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN059442.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059442.D

Acq: 29 Nov 2019 12:55

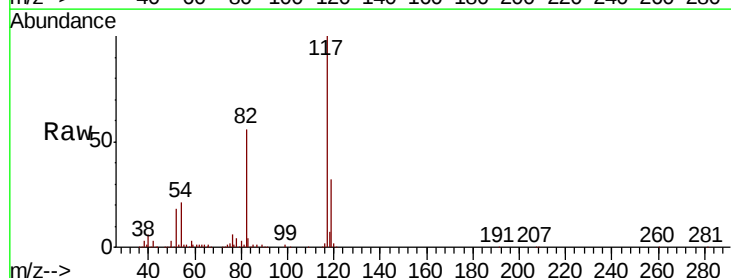
Tgt Ion: 117 Resp: 453690

Ion Ratio Lower Upper

117 100

82 56.2 45.4 68.0

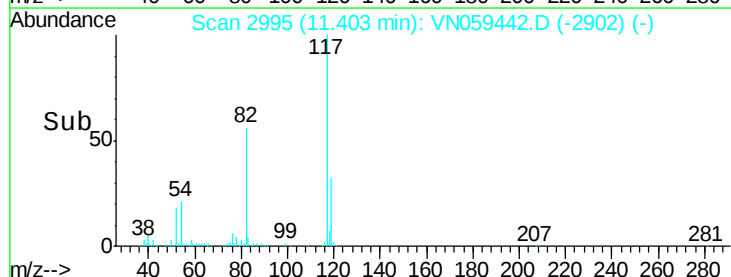
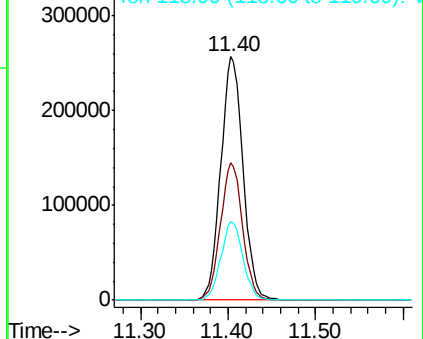
119 32.3 25.6 38.4

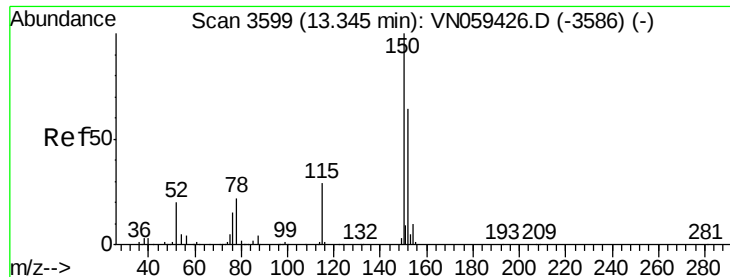


Abundance Ion 116.90 (116.60 to 117.60): VN059442.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN059442.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059442.D (-2902) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059442.D

Acq: 29 Nov 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

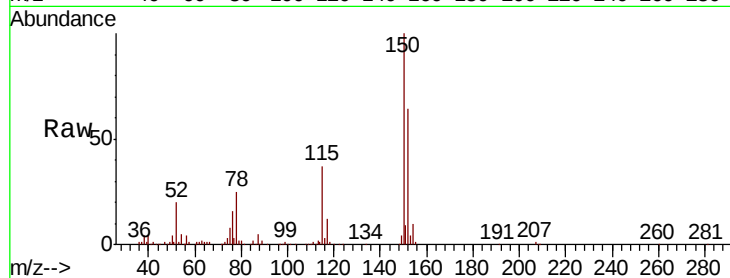
Tot Ion:152 Resp: 168999

Ion Ratio Lower Upper

152 100

115 59.1 29.5 88.6

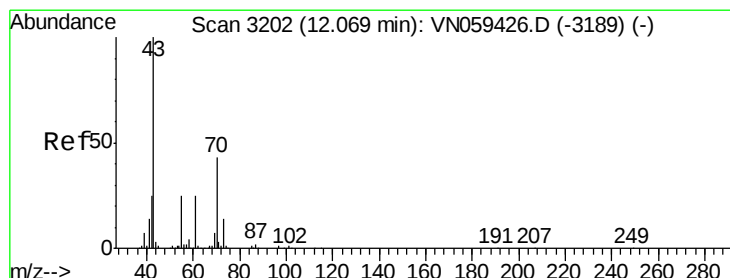
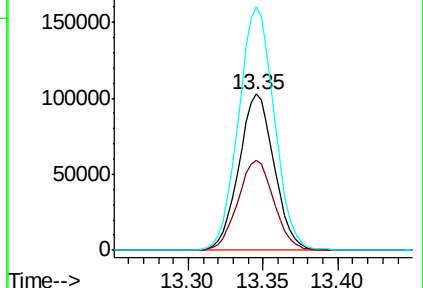
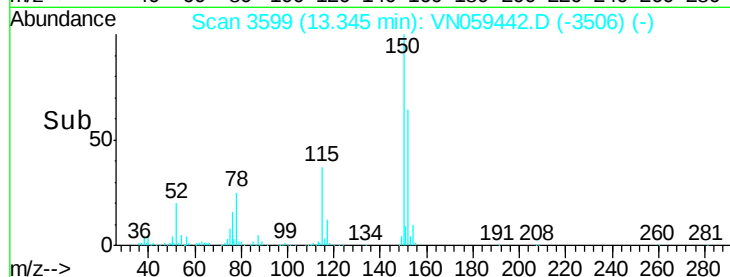
150 158.0 0.0 347.2



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.06 min Scan# 3199

Delta R.T. -0.01 min

Lab File: VN059442.D

Acq: 29 Nov 2019 12:55

Tgt Ion: 43 Resp: 292

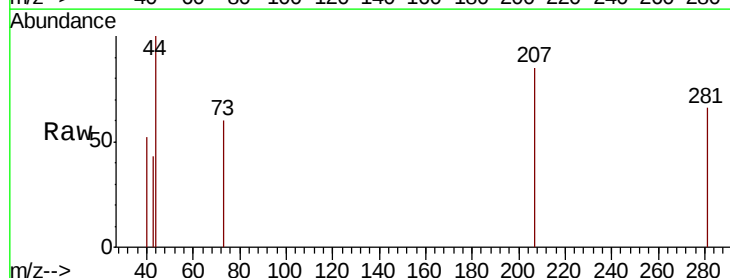
Ion Ratio Lower Upper

43 100

70 0.0 34.6 52.0#

55 0.0 20.5 30.7#

61 0.0 20.2 30.4#

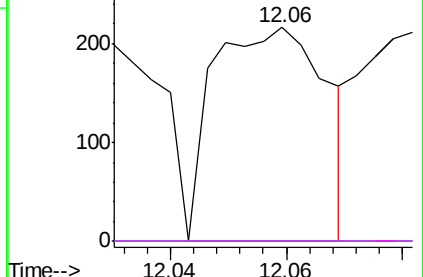
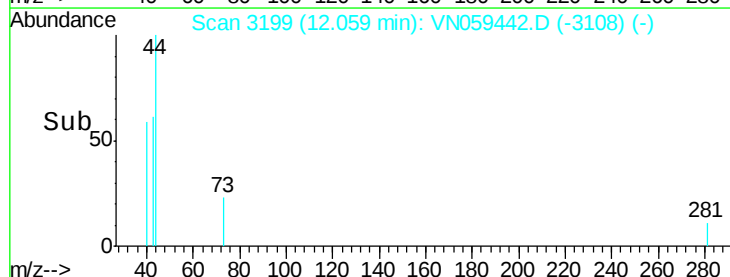


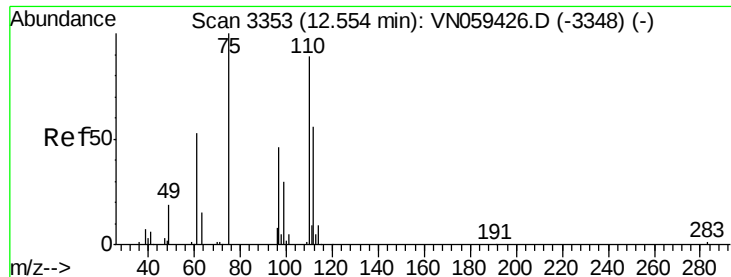
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 24.592 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059442.D

Acq: 29 Nov 2019 12:55

Instrument :

MSVOA_N

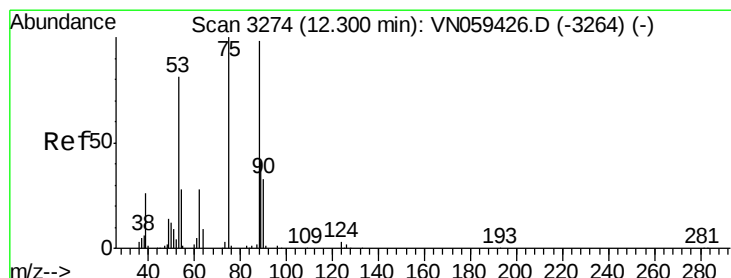
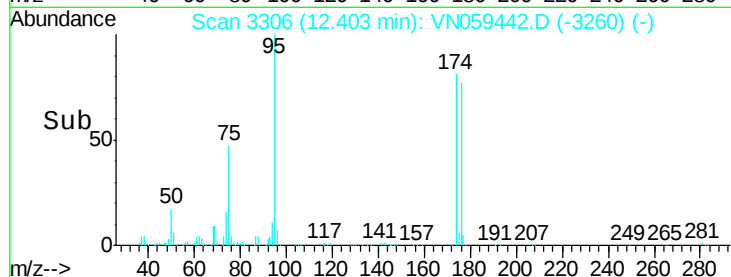
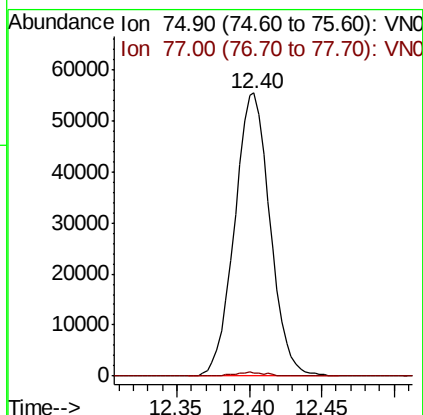
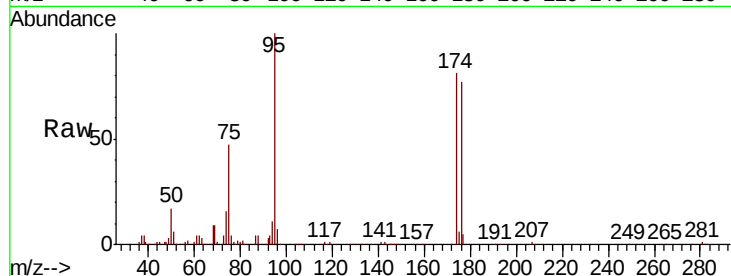
ClientSampled :

Tot Ion: 75 Resp: 94021

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.189 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059442.D

Acq: 29 Nov 2019 12:55

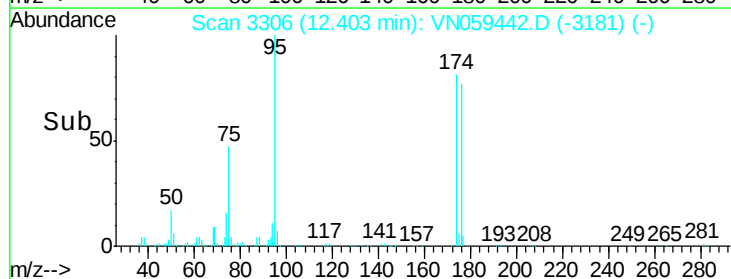
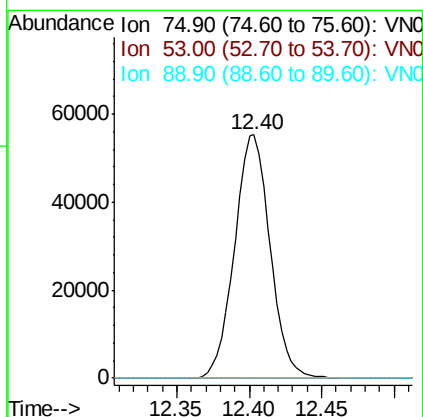
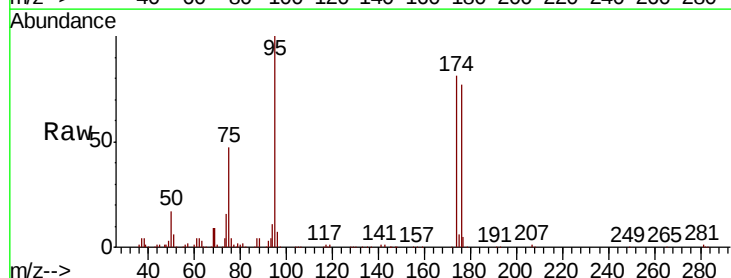
Tgt Ion: 75 Resp: 94021

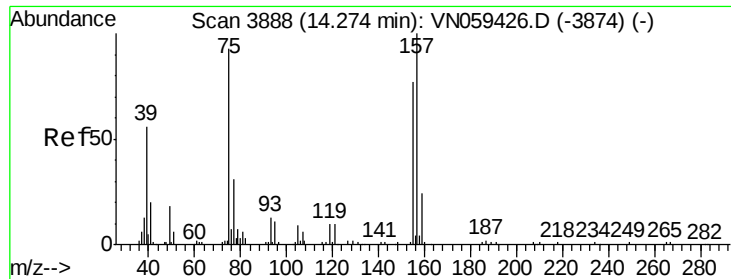
Ion Ratio Lower Upper

75 100

53 0.0 66.2 99.4#

89 0.0 33.9 50.9#

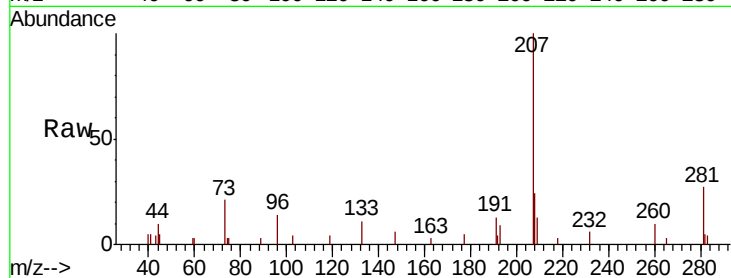




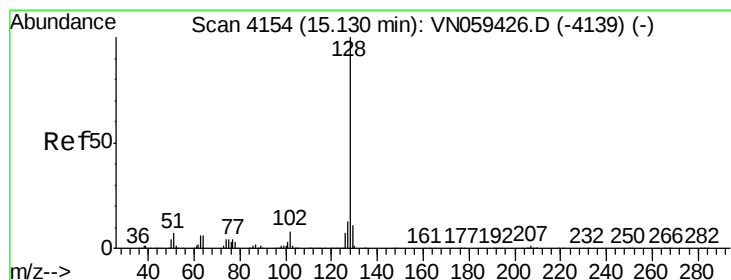
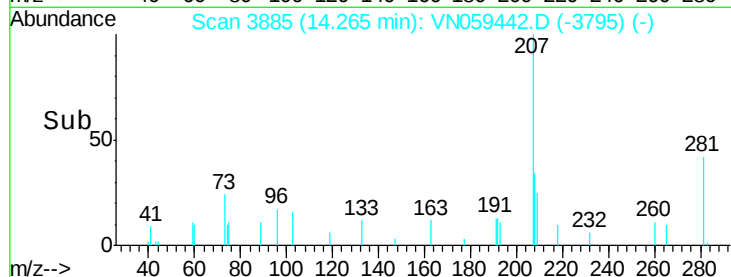
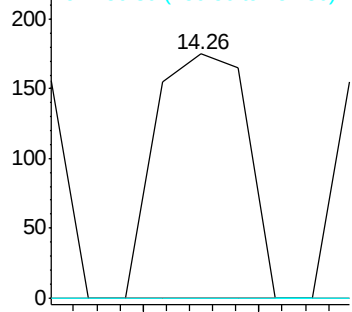
#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.26 min Scan# 3885
Delta R.T. -0.01 min
Lab File: VN059442.D
Acq: 29 Nov 2019 12:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 96
Ion Ratio Lower Upper
75 100
155 0.0 41.9 125.8#
157 0.0 54.1 162.3#

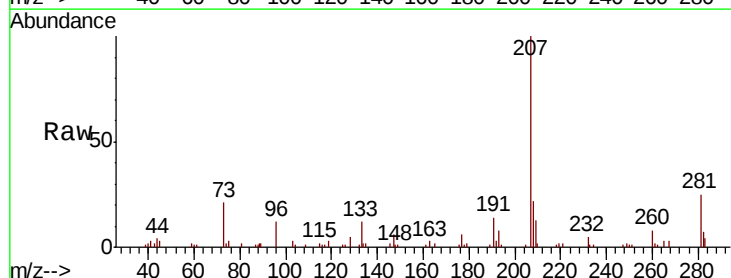


Abundance Ion 74.90 (74.60 to 75.60): VN059442.D (-3874) (-)
Ion 154.80 (154.50 to 155.50): VN059442.D (-3874) (-)
Ion 156.80 (156.50 to 157.50): VN059442.D (-3874) (-)

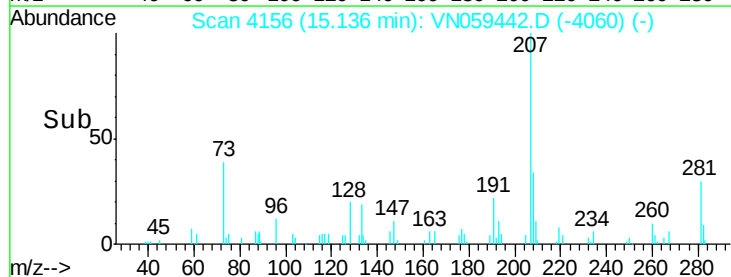
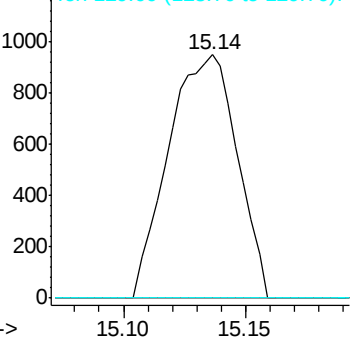


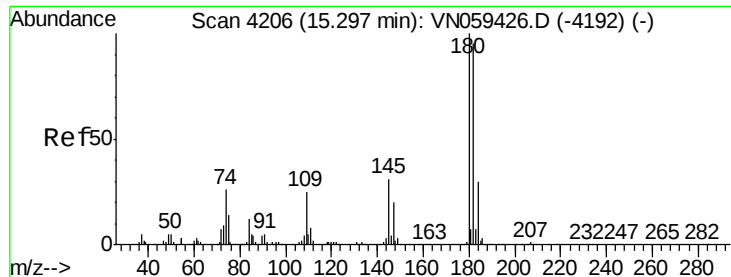
#95
Naphthalene
Concen: Below Cal
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN059442.D
Acq: 29 Nov 2019 12:55

Tgt Ion: 128 Resp: 1853
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN059442.D (-4139) (-)
Ion 127.00 (126.70 to 127.70): VN059442.D (-4139) (-)
Ion 129.00 (128.70 to 129.70): VN059442.D (-4139) (-)





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN059442.D
 Acq: 29 Nov 2019 12:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	46.9	47.5	142.6#
145	98.1	15.7	47.1#

