

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111819\
 Data File : VN059274.D
 Acq On : 18 Nov 2019 11:31
 Operator : JC/SP
 Sample : VN1118MBL01
 Misc : 5.00G/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBL01

Quant Time: Nov 18 14:24:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	435353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	655554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	562206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	194092	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	257270	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
35) Dibromofluoromethane	7.57	113	203202	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
50) Toluene-d8	10.08	98	796715	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.40	95	244057	43.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.80%	

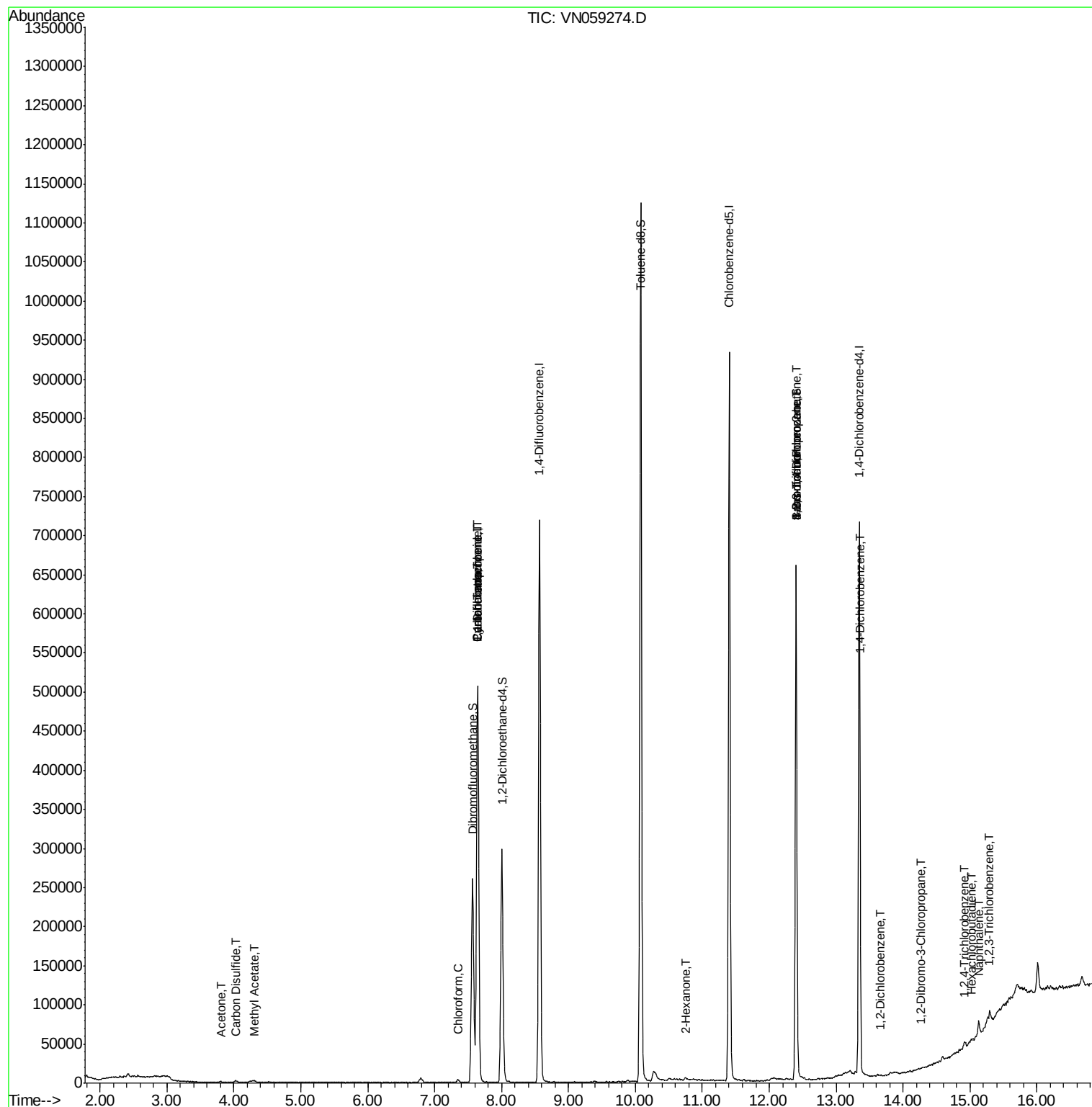
Target Compounds						Qvalue
16) Acetone	3.79	43	1217	0.437	ug/l #	44
17) Carbon Disulfide	4.03	76	3414	0.271	ug/l #	90
18) Methyl Acetate	4.30	43	2741	0.415	ug/l	95
30) Chloroform	7.35	83	4273	0.506	ug/l	99
31) Cyclohexane	7.64	56	7893	0.947	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	31899	5.206	ug/l #	50
38) Carbon Tetrachloride	7.64	117	40549	6.649	ug/l #	17
59) 2-Hexanone	10.75	43	2884	0.611	ug/l	82
71) Bromoform	12.40	173	1277	0.399	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	119508	27.045	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	119508	71.434	ug/l #	13
88) 1,4-Dichlorobenzene	13.36	146	1462	0.241	ug/l #	1
91) 1,2-Dichlorobenzene	13.66	146	1425	0.238	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.26	75	613	0.665	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.92	180	3185	3.871	ug/l	89
94) Hexachlorobutadiene	15.01	225	642	0.312	ug/l #	79
95) Naphthalene	15.13	128	13008	4.259	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	4633	1.384	ug/l	88

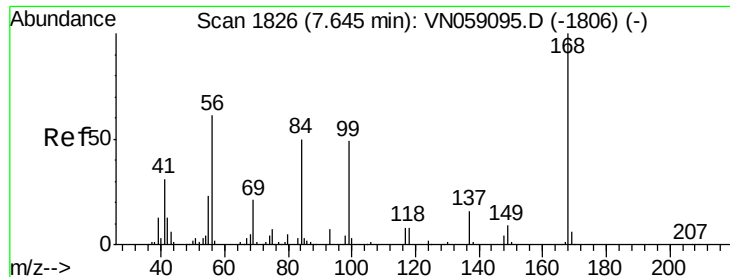
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059274.D

Acq: 18 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

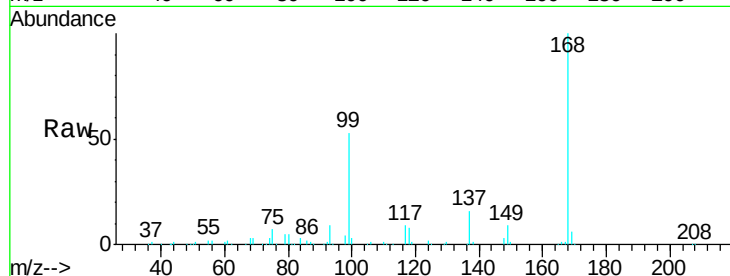
VN1118MBL01

Tgt Ion:168 Resp: 435353

Ion Ratio Lower Upper

168 100

99 53.3 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059274.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059274.D (-1733) (-)

7.64

200000

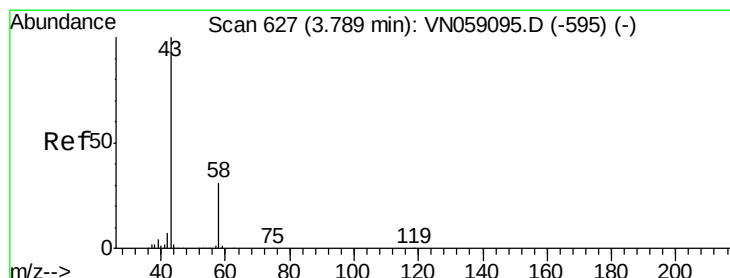
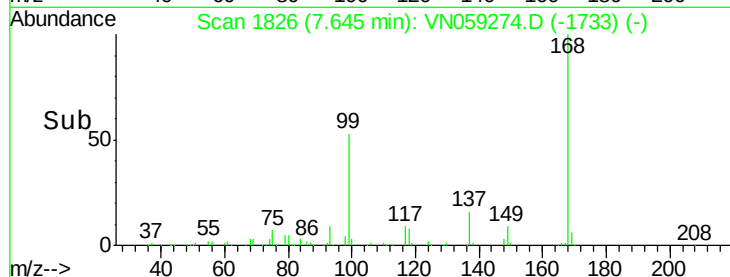
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 0.437 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059274.D

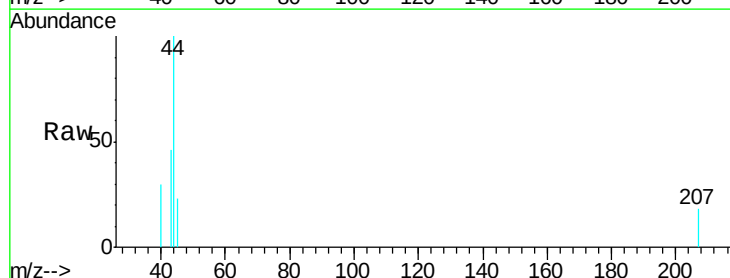
Acq: 18 Nov 2019 11:31

Tgt Ion: 43 Resp: 1217

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059274.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059274.D (-534) (-)

3.79

500

400

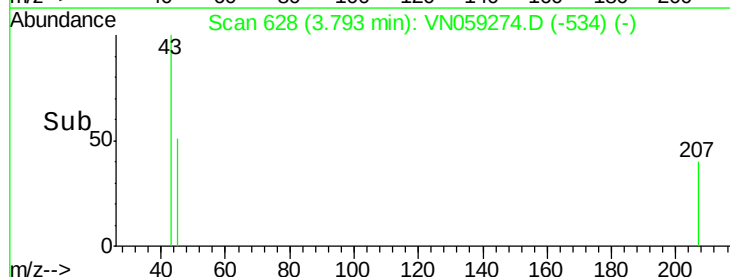
300

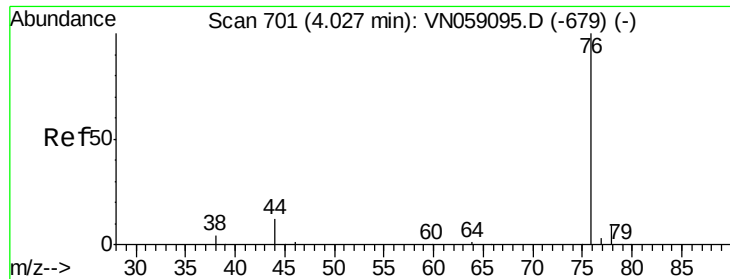
200

100

0

Time--> 3.75 3.80 3.85





#17

Carbon Disulfide

Concen: 0.271 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059274.D

Acq: 18 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

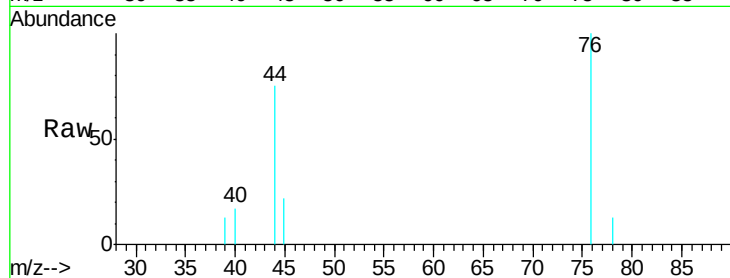
VN1118MBL01

Tgt Ion: 76 Resp: 3414

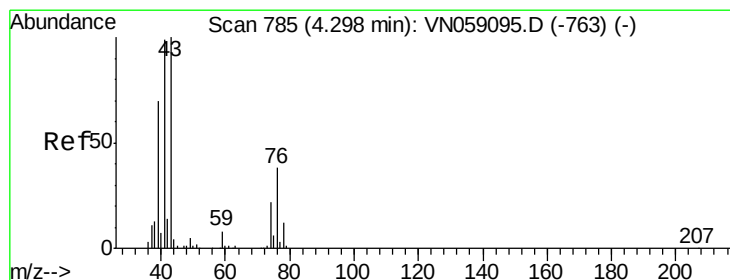
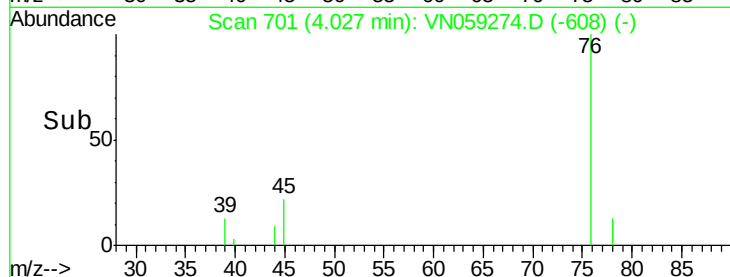
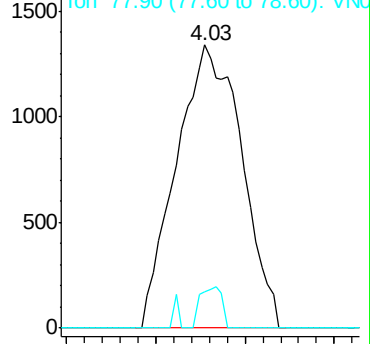
Ion Ratio Lower Upper

76 100

78 12.8 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN059274.D (-608) (-)



#18

Methyl Acetate

Concen: 0.415 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN059274.D

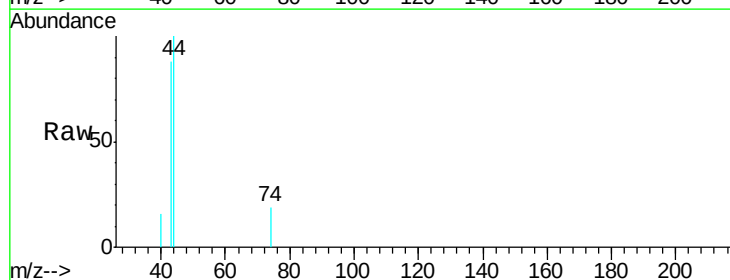
Acq: 18 Nov 2019 11:31

Tgt Ion: 43 Resp: 2741

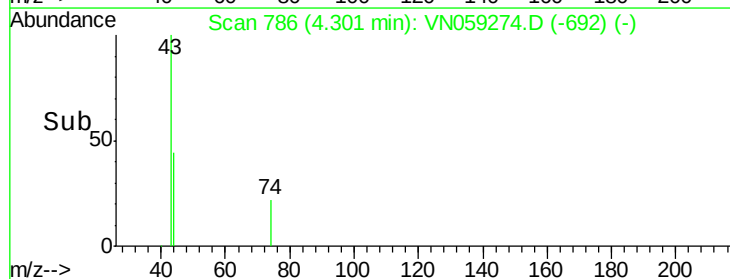
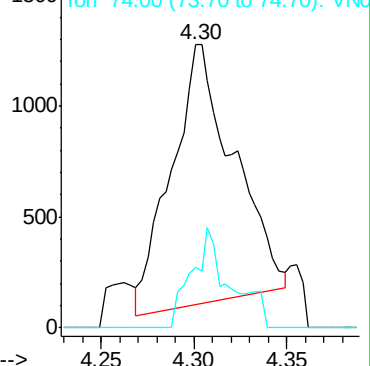
Ion Ratio Lower Upper

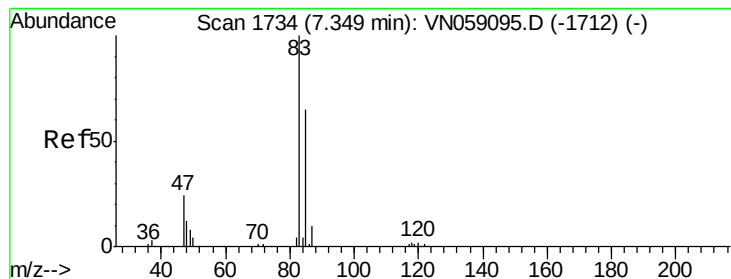
43 100

74 20.0 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN059274.D (-692) (-)





#30

Chloroform

Concen: 0.506 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059274.D

Acq: 18 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

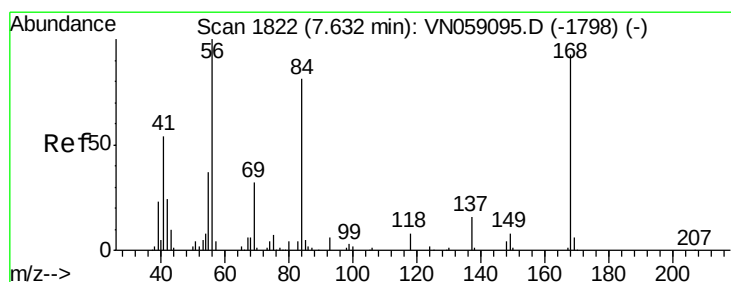
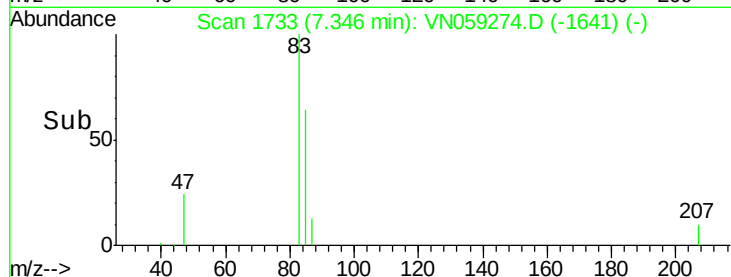
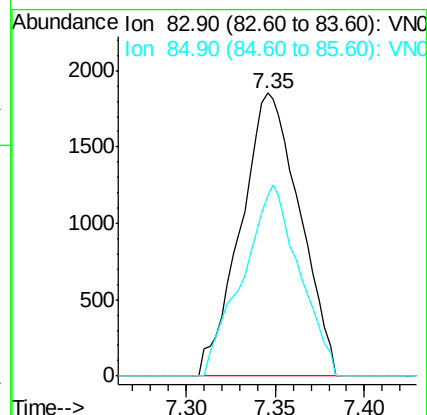
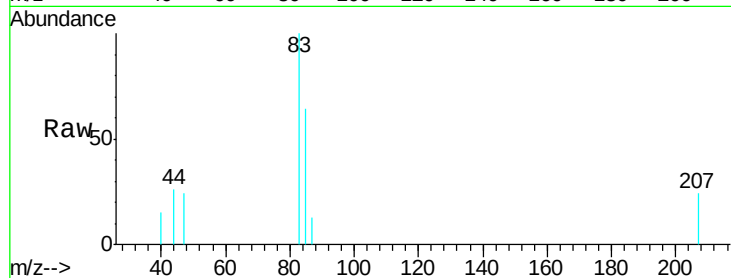
VN1118MBL01

Tgt Ion: 83 Resp: 4273

Ion Ratio Lower Upper

83 100

85 63.8 51.8 77.8



#31

Cyclohexane

Concen: 0.947 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059274.D

Acq: 18 Nov 2019 11:31

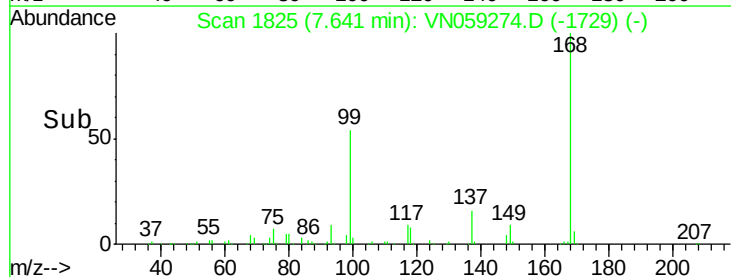
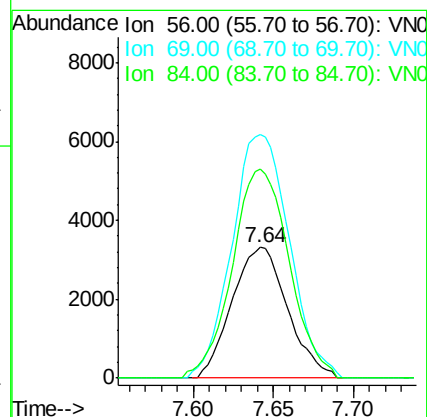
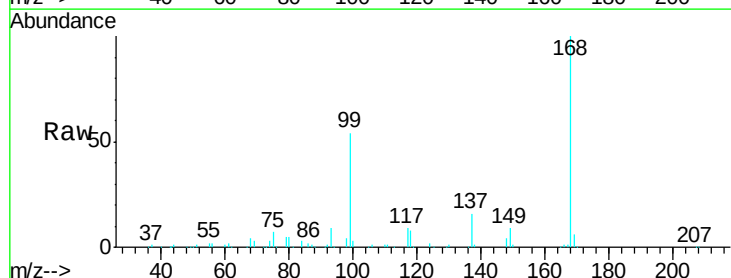
Tgt Ion: 56 Resp: 7893

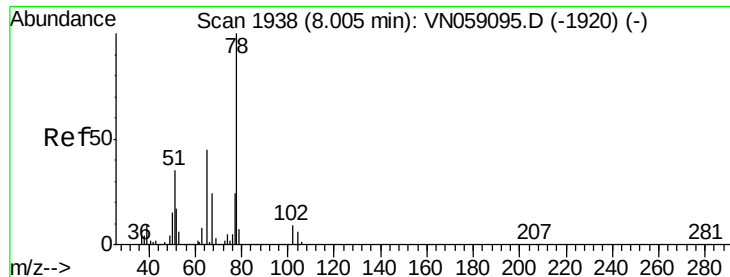
Ion Ratio Lower Upper

56 100

69 186.6 25.8 38.8#

84 160.2 65.0 97.4#

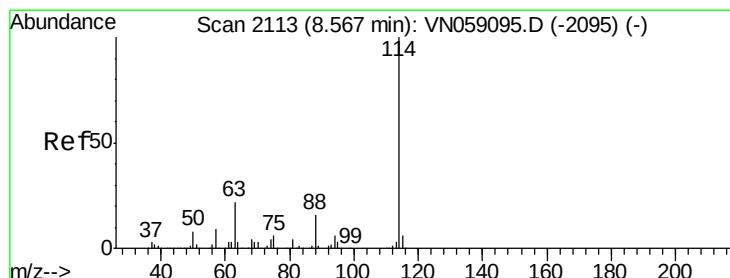
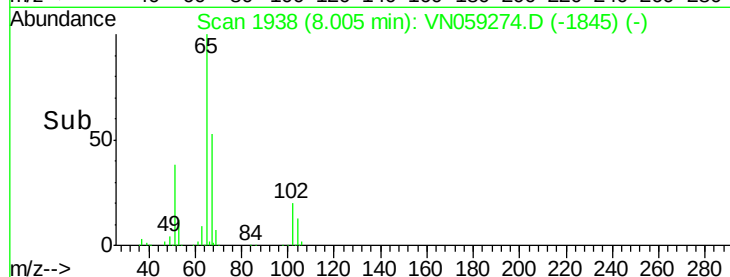
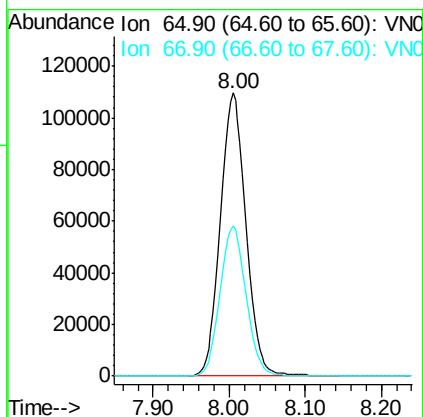
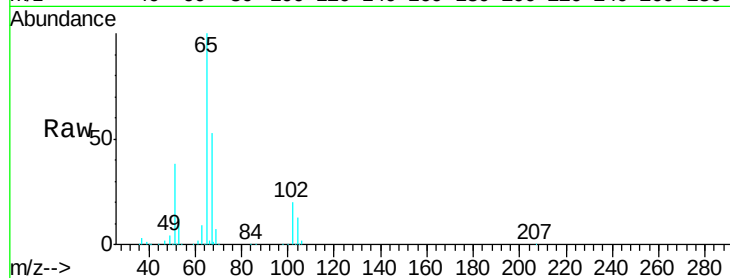




#33
 1,2-Dichloroethane-d4
 Concen: 48.073 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059274.D
 Acq: 18 Nov 2019 11:31

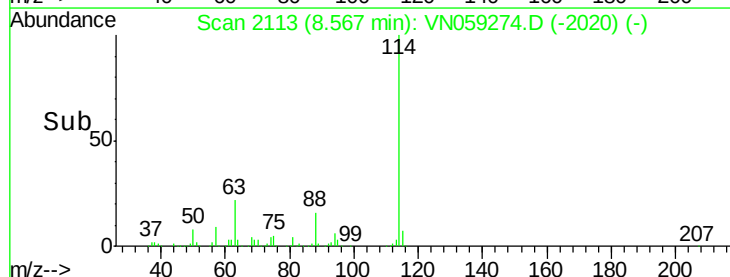
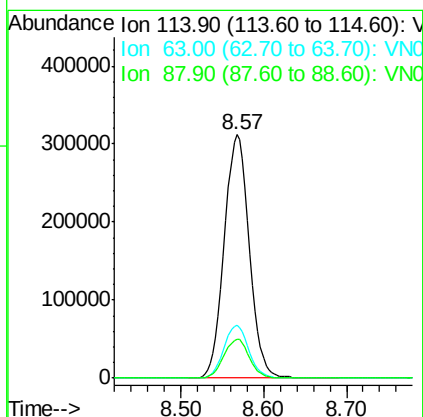
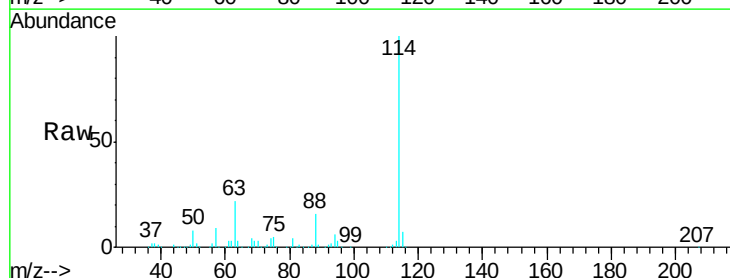
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBL01

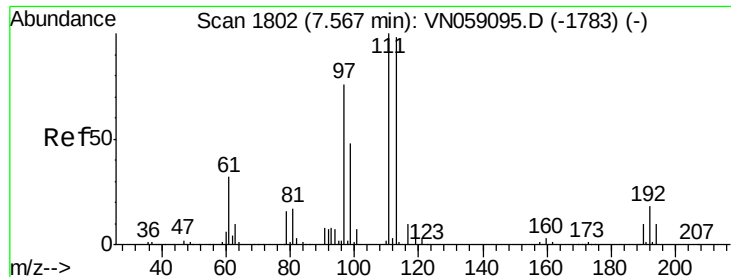
Tgt Ion: 65 Resp: 257270
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059274.D
 Acq: 18 Nov 2019 11:31

Tgt Ion: 114 Resp: 655554
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 16.1 0.0 32.2

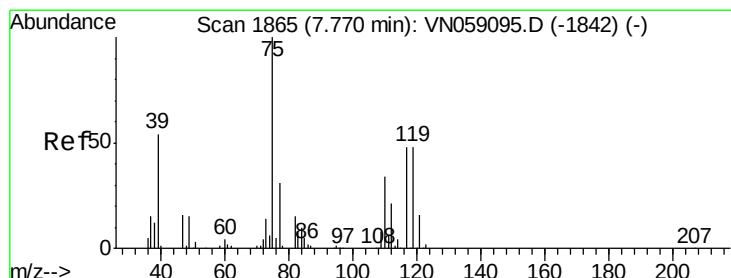
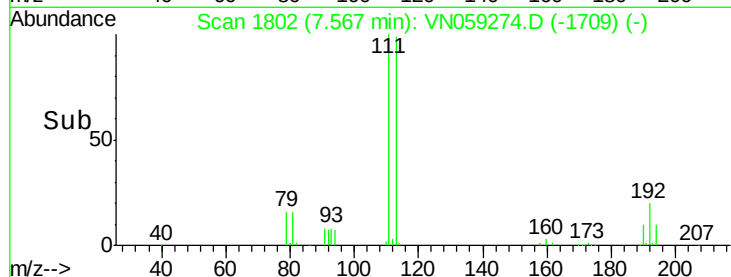
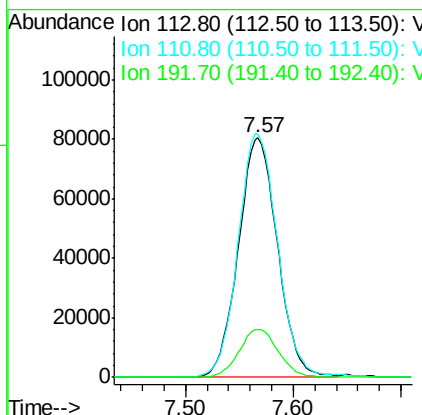
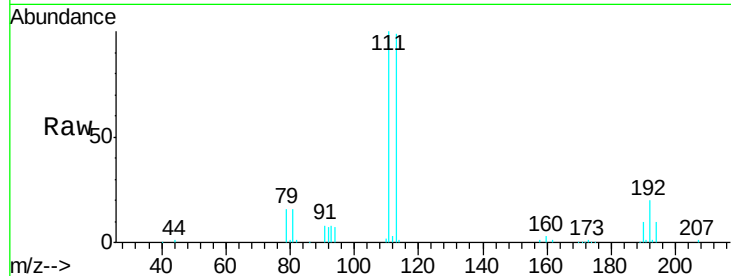




#35
 Dibromofluoromethane
 Concen: 51.913 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059274.D
 Acq: 18 Nov 2019 11:31

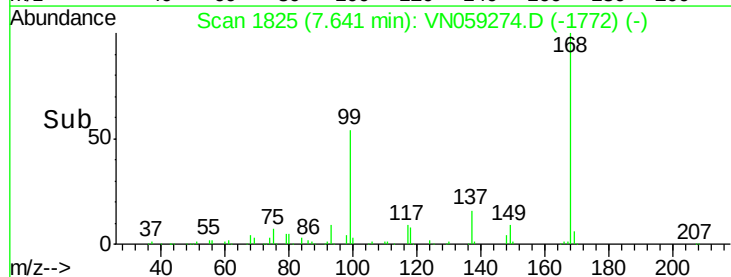
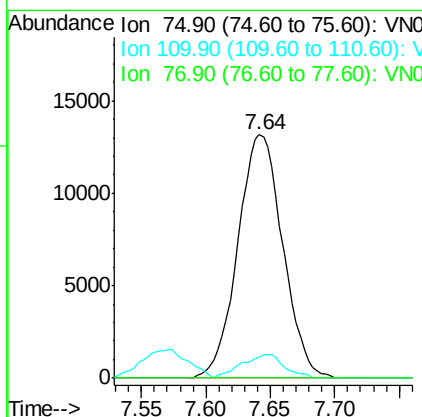
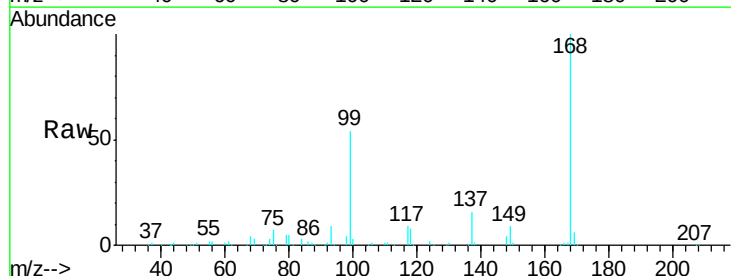
Instrument :
 MSVOA_N
 ClientSampled :
 VN1118MBL01

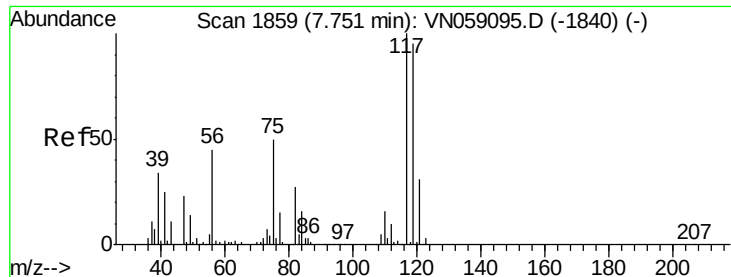
Tgt Ion: 113 Resp: 203202
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.8 124.2
 192 20.1 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.206 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059274.D
 Acq: 18 Nov 2019 11:31

Tgt Ion: 75 Resp: 31899
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.1 51.2#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.649 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059274.D

Acq: 18 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampled :

VN1118MBL01

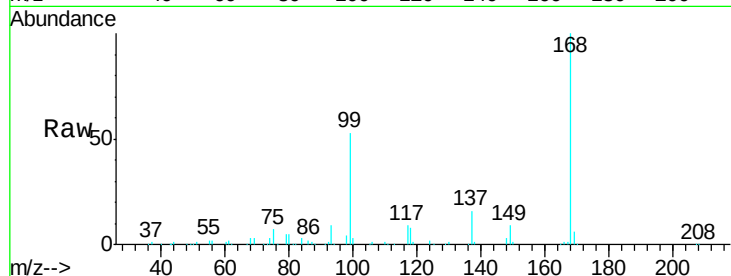
Tgt Ion:117 Resp: 40549

Ion Ratio Lower Upper

117 100

119 5.6 75.6 113.4#

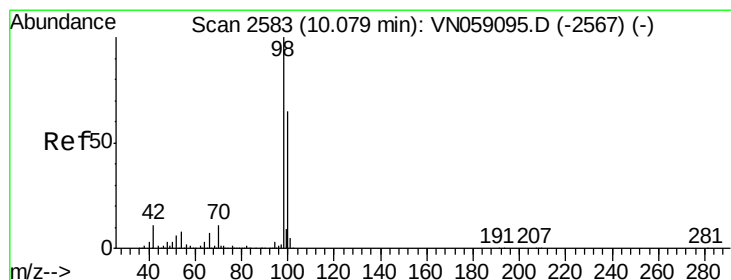
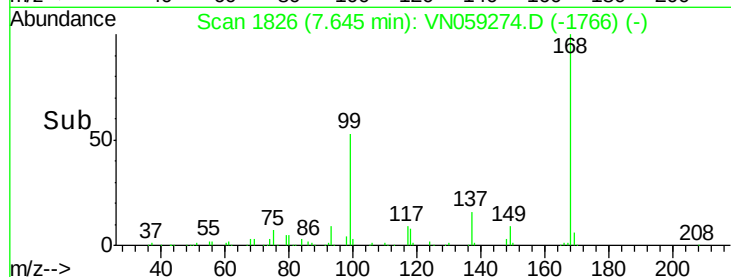
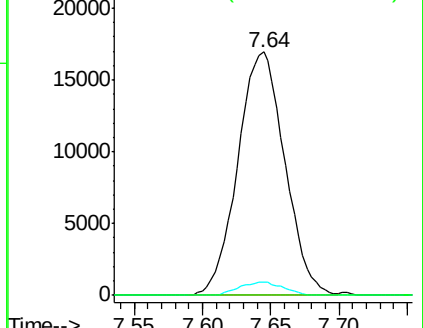
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 51.674 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059274.D

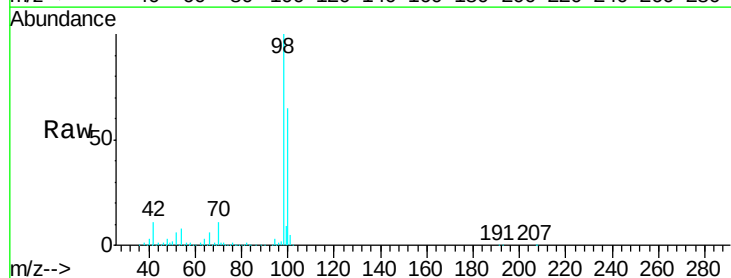
Acq: 18 Nov 2019 11:31

Tgt Ion: 98 Resp: 796715

Ion Ratio Lower Upper

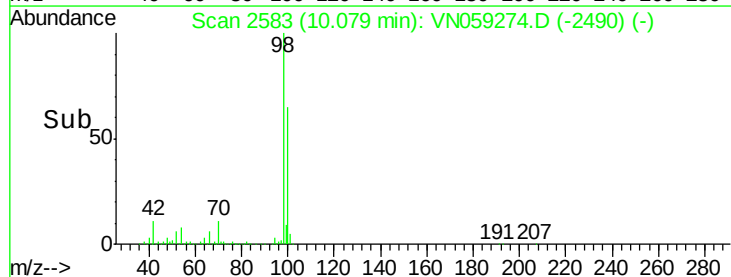
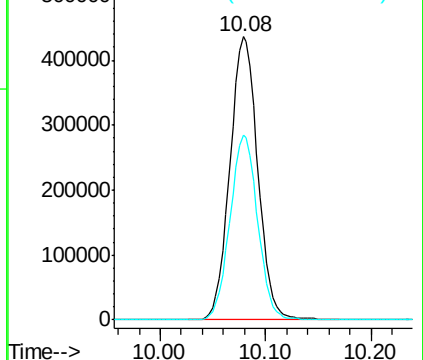
98 100

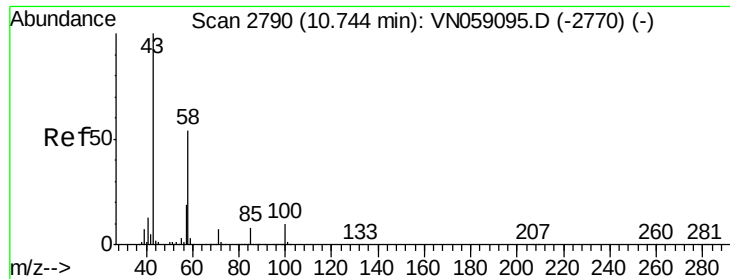
100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

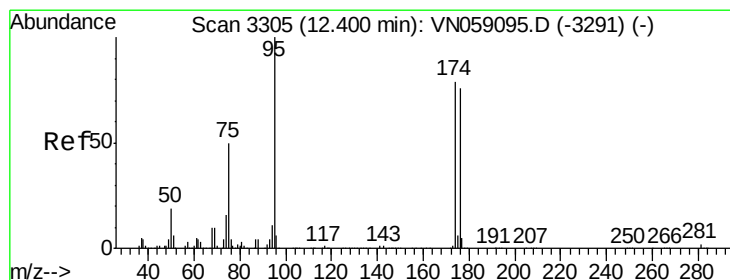
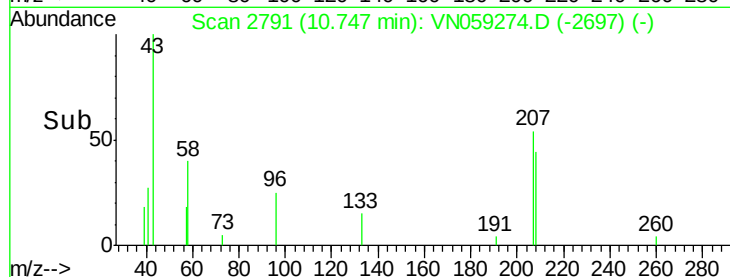
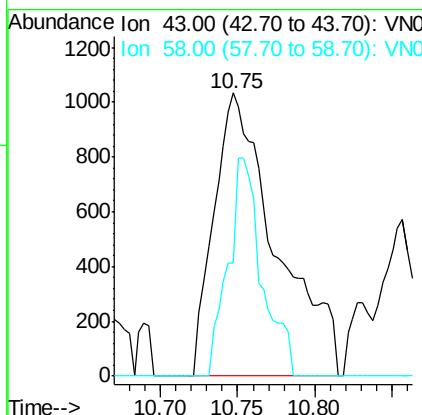
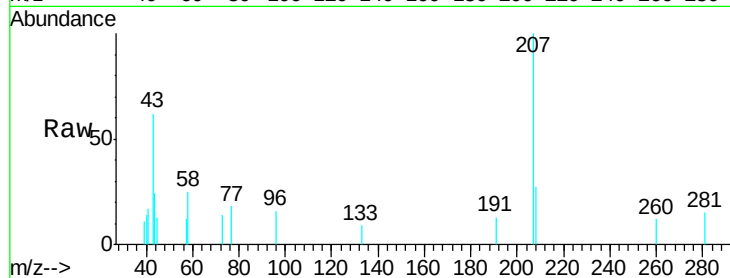




#59
2-Hexanone
Concen: 0.611 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059274.D
Acq: 18 Nov 2019 11:31

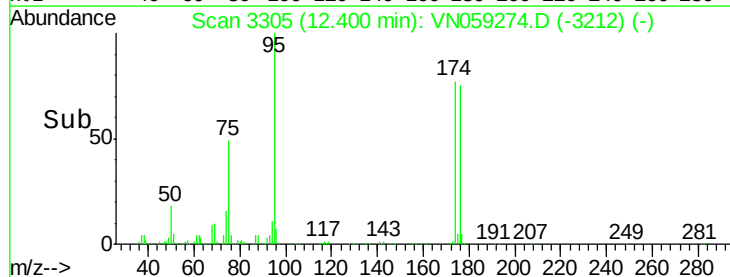
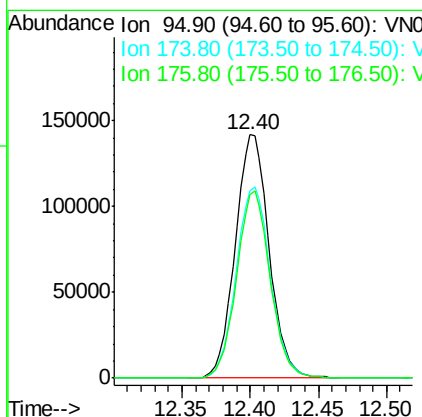
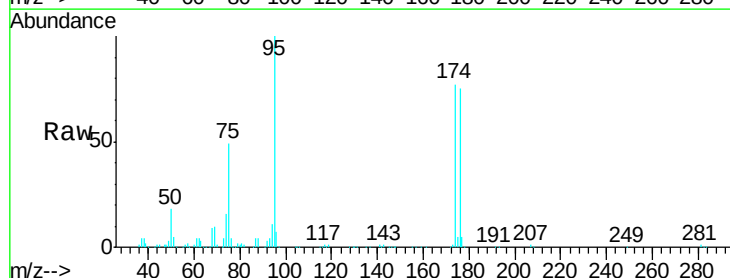
Instrument :
MSVOA_N
ClientSampled :
VN1118MBL01

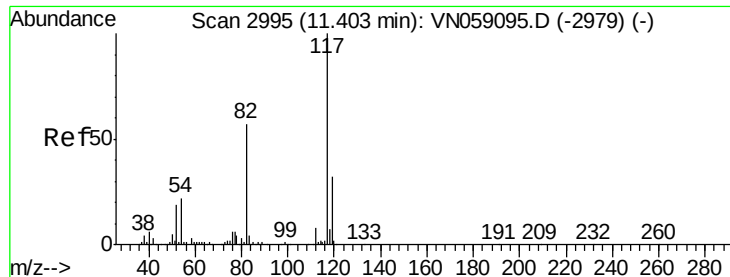
Tgt Ion: 43 Resp: 2884
Ion Ratio Lower Upper
43 100
58 41.5 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 43.902 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059274.D
Acq: 18 Nov 2019 11:31

Tgt Ion: 95 Resp: 244057
Ion Ratio Lower Upper
95 100
174 79.8 0.0 158.2
176 76.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059274.D

Acq: 18 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBL01

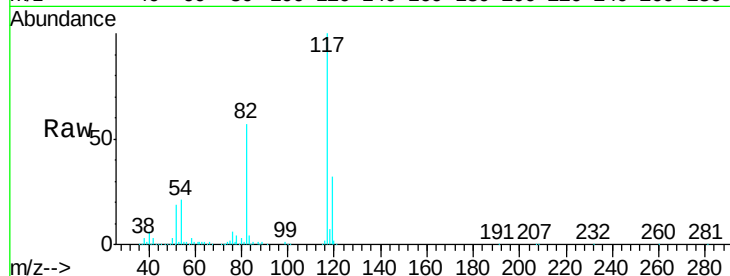
Tgt Ion:117 Resp: 562206

Ion Ratio Lower Upper

117 100

82 57.0 45.8 68.8

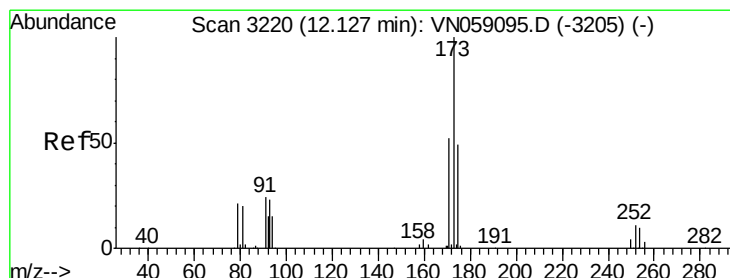
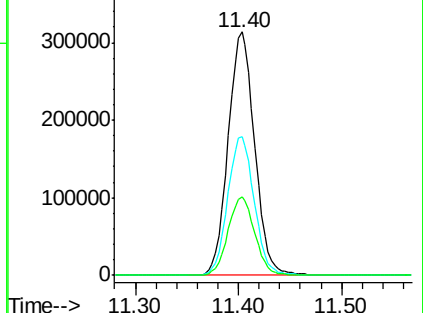
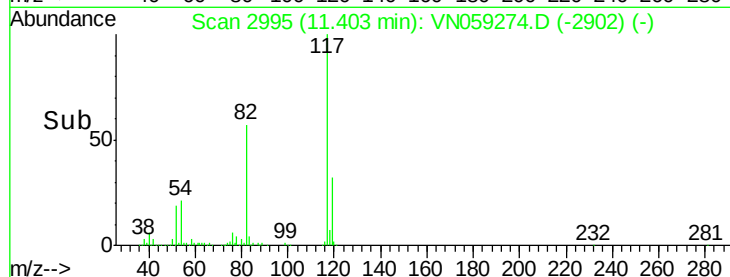
119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.399 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059274.D

Acq: 18 Nov 2019 11:31

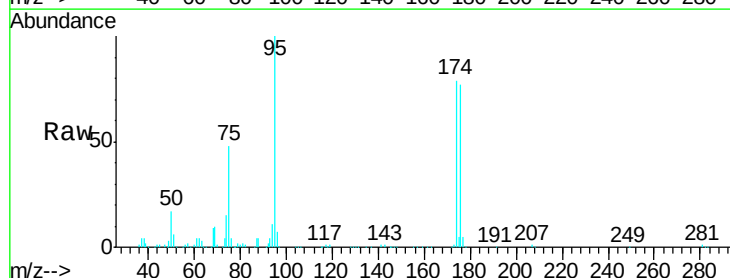
Tgt Ion:173 Resp: 1277

Ion Ratio Lower Upper

173 100

175 915.3 24.2 72.6#

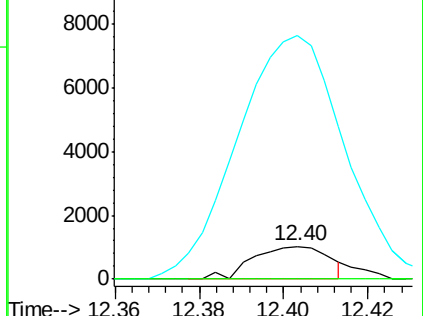
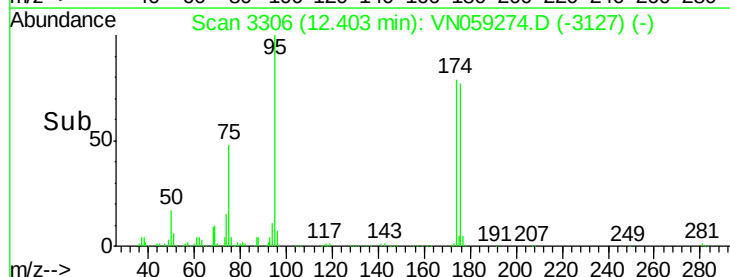
254 0.0 0.1 0.1#

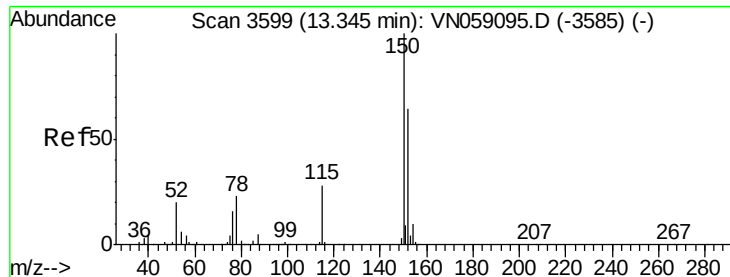


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059274.D

Acq: 18 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBL01

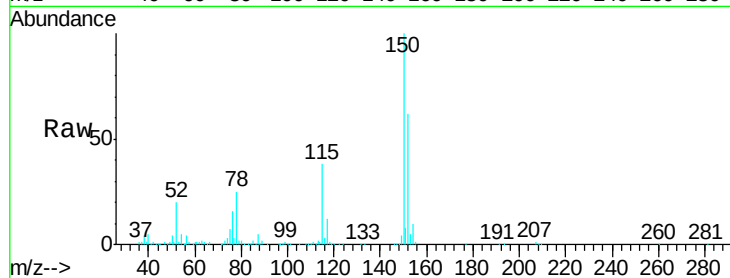
Tgt Ion: 152 Resp: 194092

Ion Ratio Lower Upper

152 100

115 59.5 29.4 88.2

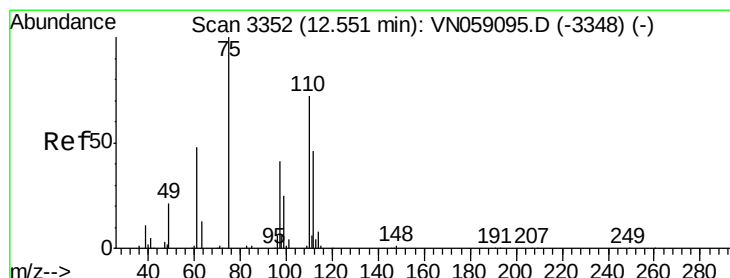
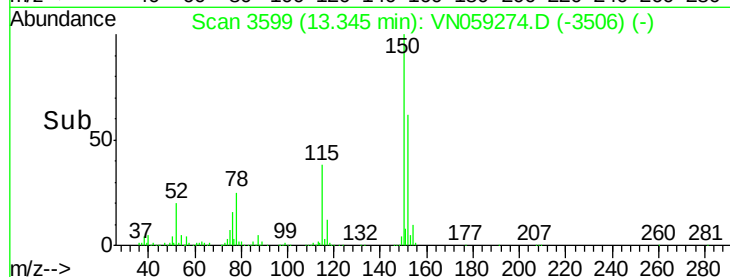
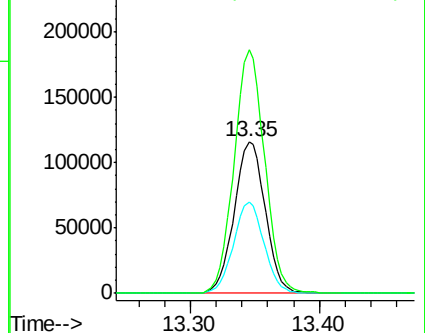
150 158.2 0.0 345.8



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



#76

1,2,3-Trichloropropane

Concen: 27.045 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059274.D

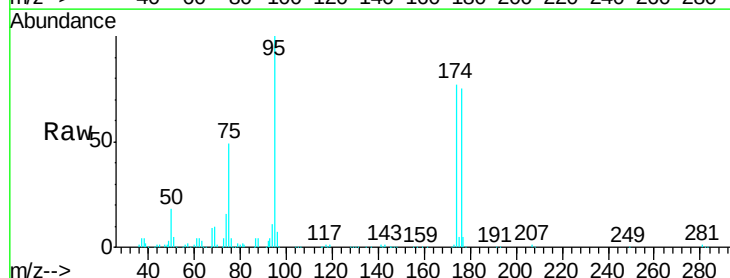
Acq: 18 Nov 2019 11:31

Tgt Ion: 75 Resp: 119508

Ion Ratio Lower Upper

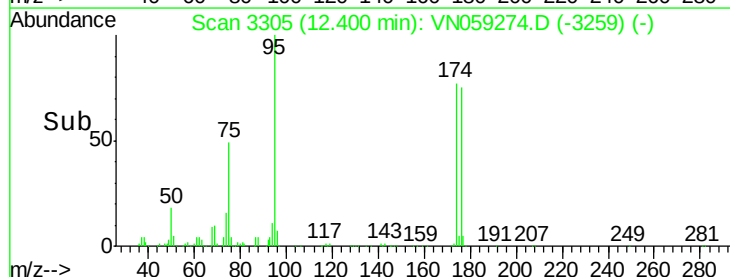
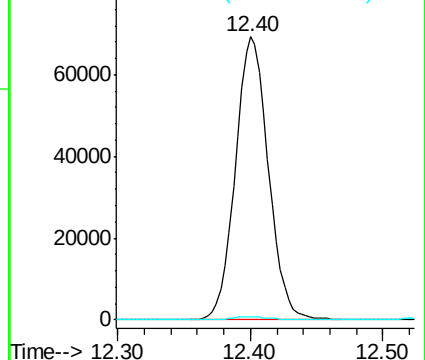
75 100

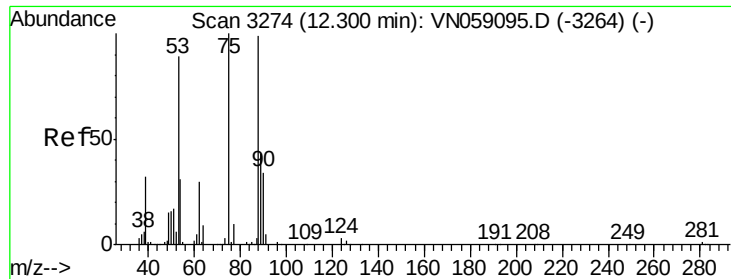
77 0.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 71.434 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059274.D

Acq: 18 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBL01

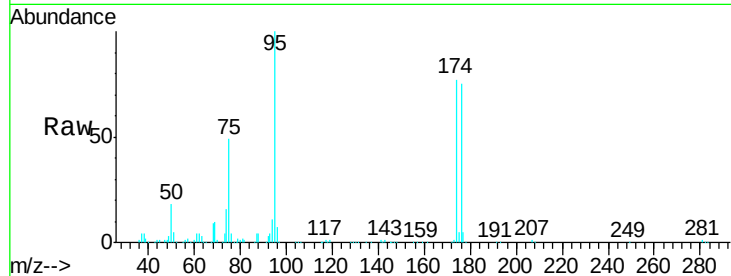
Tgt Ion: 75 Resp: 119508

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

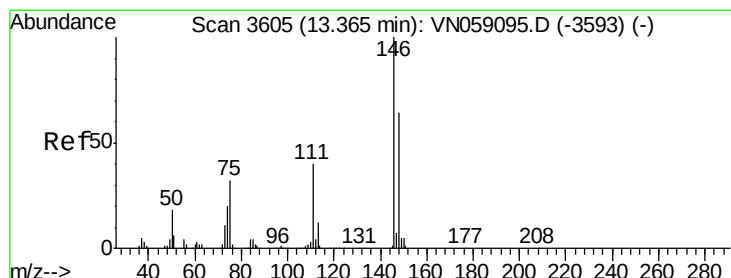
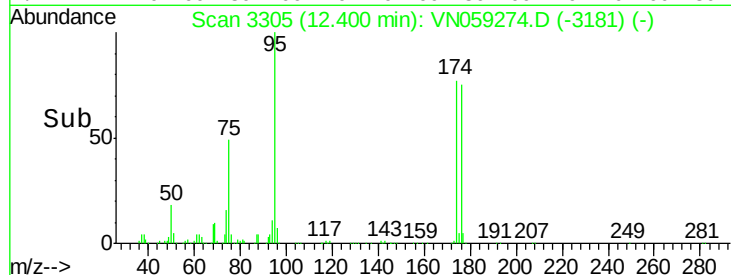
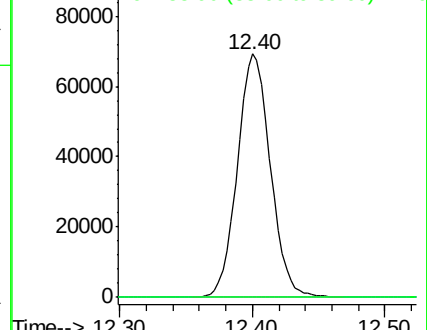
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN059095.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN059095.D (-3264) (-)



#88

1,4-Dichlorobenzene

Concen: 0.241 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059274.D

Acq: 18 Nov 2019 11:31

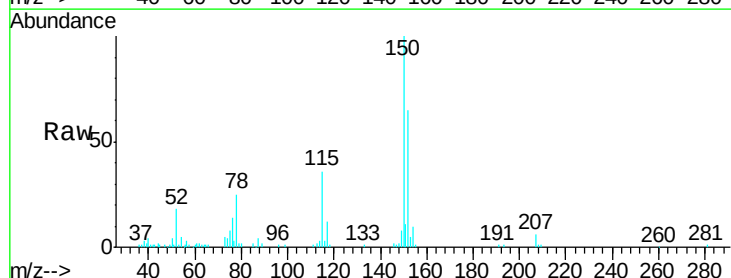
Tgt Ion: 146 Resp: 1462

Ion Ratio Lower Upper

146 100

111 197.1 20.3 60.9#

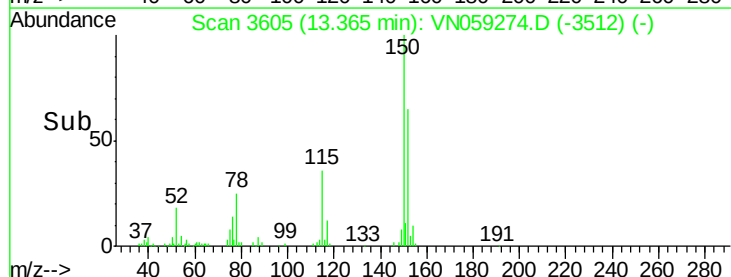
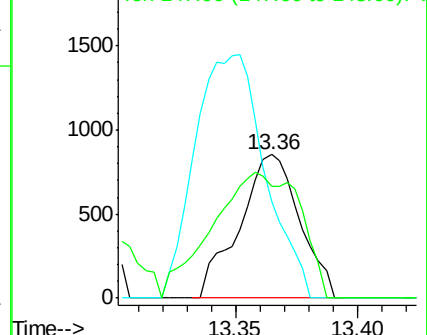
148 127.8 31.9 95.7#

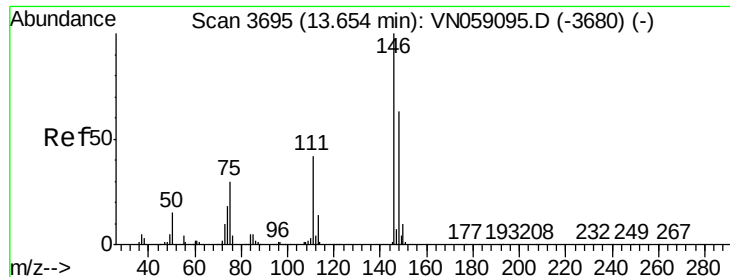


Abundance Ion 145.90 (145.60 to 146.60): VN059095.D (-3593) (-)

Ion 110.90 (110.60 to 111.60): VN059095.D (-3593) (-)

Ion 147.90 (147.60 to 148.60): VN059095.D (-3593) (-)





#91

1,2-Dichlorobenzene

Concen: 0.238 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VN059274.D

Acq: 18 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampled :

VN1118MBL01

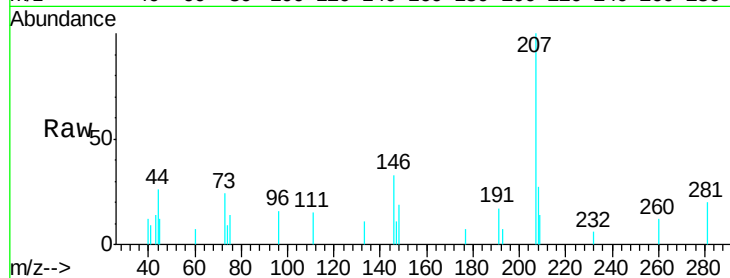
Tgt Ion:146 Resp: 1425

Ion Ratio Lower Upper

146 100

111 42.2 21.2 63.6

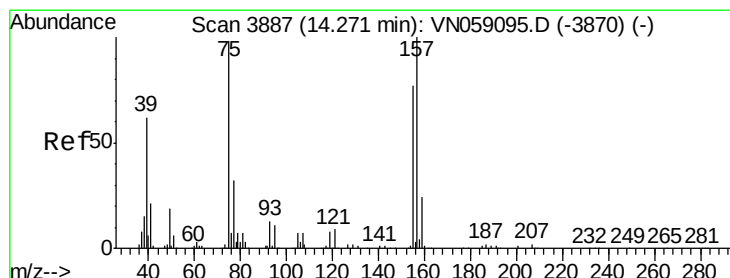
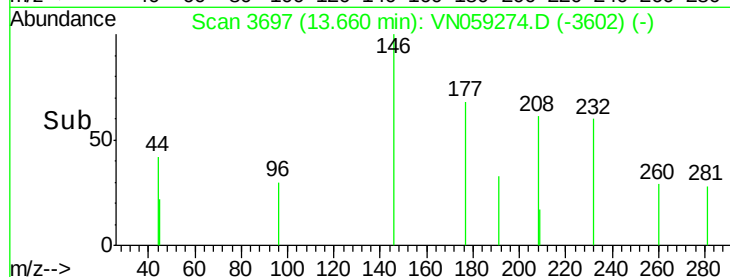
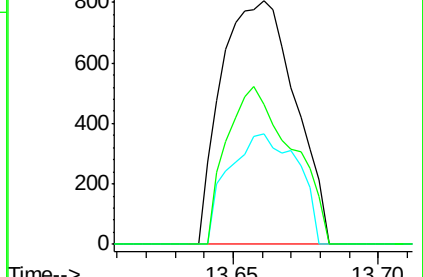
148 57.5 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.665 ug/l

RT: 14.26 min Scan# 3883

Delta R.T. -0.01 min

Lab File: VN059274.D

Acq: 18 Nov 2019 11:31

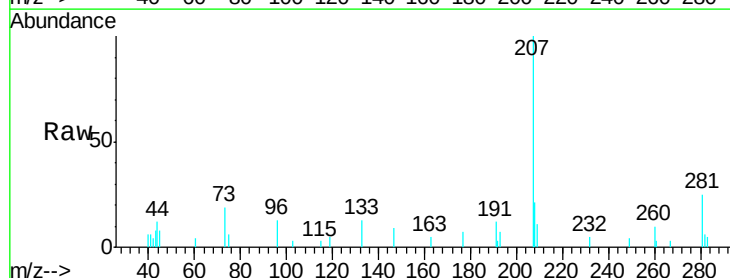
Tgt Ion: 75 Resp: 613

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

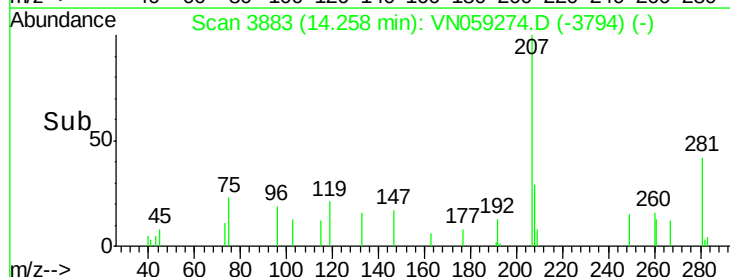
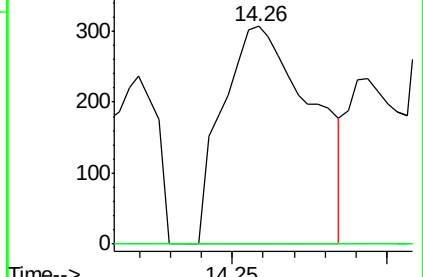
157 0.0 51.8 155.5#

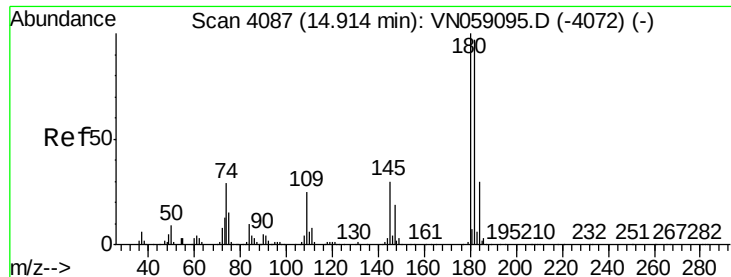


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

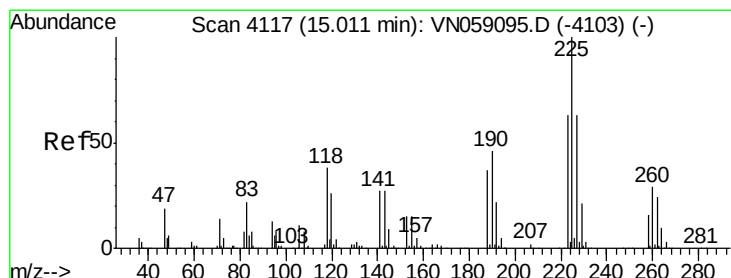
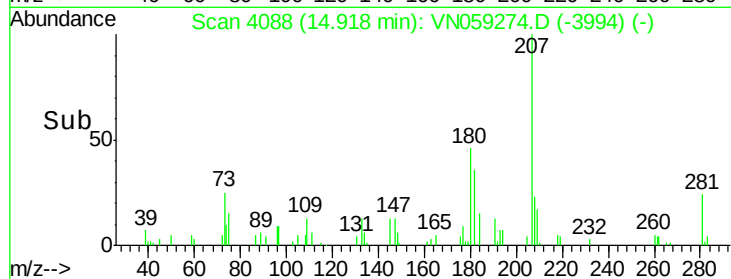
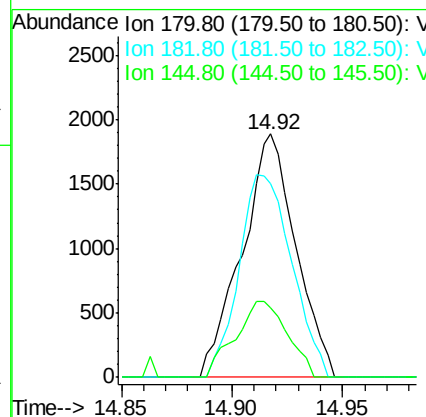
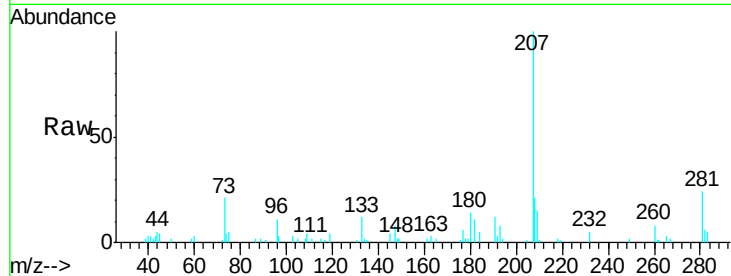




#93
 1,2,4-Trichlorobenzene
 Concen: 3.871 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059274.D
 Acq: 18 Nov 2019 11:31

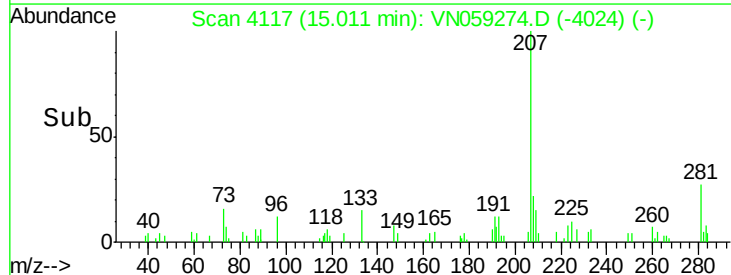
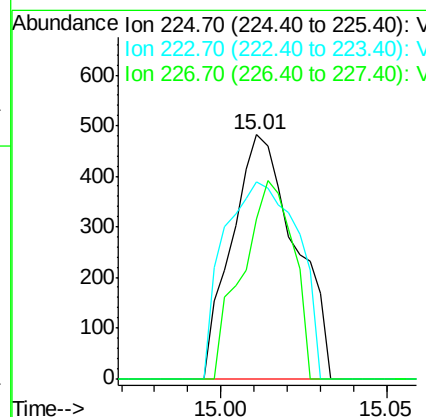
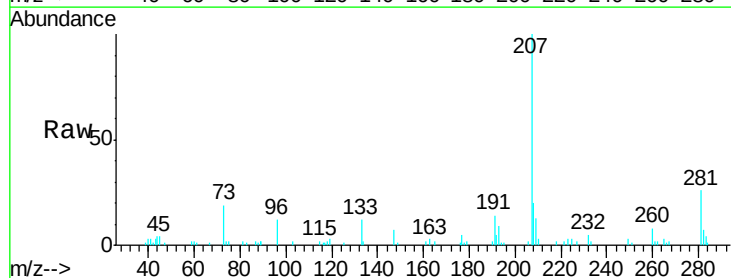
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBL01

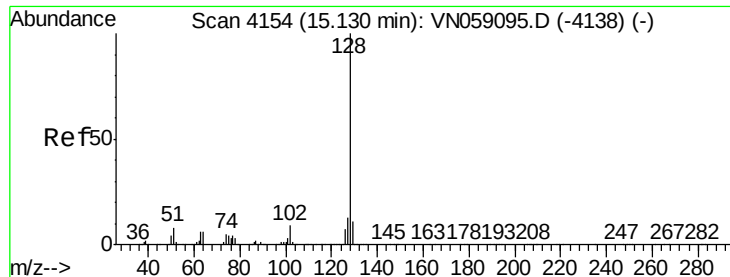
Tgt Ion:180 Resp: 3185
 Ion Ratio Lower Upper
 180 100
 182 81.5 48.1 144.3
 145 30.2 15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 0.312 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059274.D
 Acq: 18 Nov 2019 11:31

Tgt Ion:225 Resp: 642
 Ion Ratio Lower Upper
 225 100
 223 94.2 31.3 93.9#
 227 64.5 31.5 94.5





#95

Naphthalene

Concen: 4.259 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059274.D

Acq: 18 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampled :

VN1118MBL01

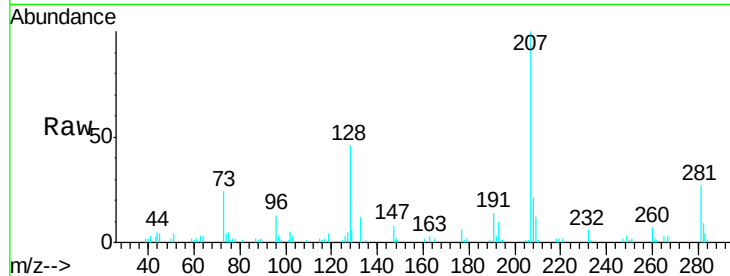
Tgt Ion:128 Resp: 13008

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.2

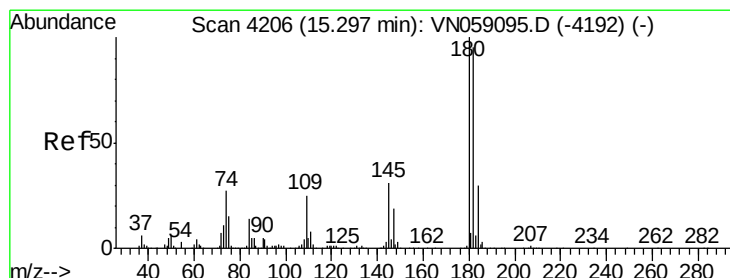
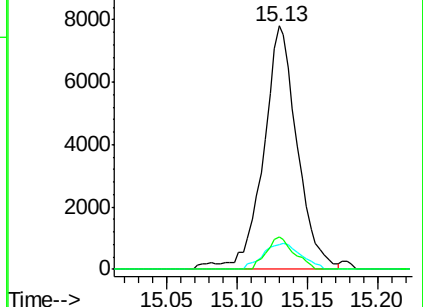
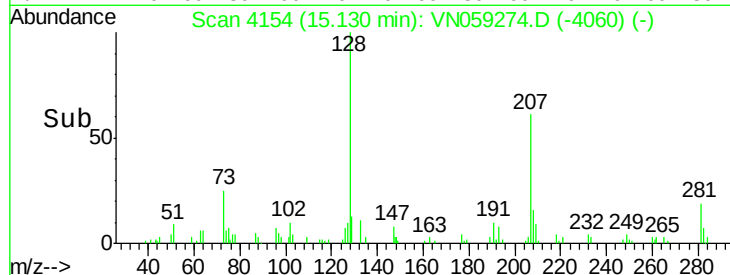
129 10.7 8.6 12.8



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: 1.384 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059274.D

Acq: 18 Nov 2019 11:31

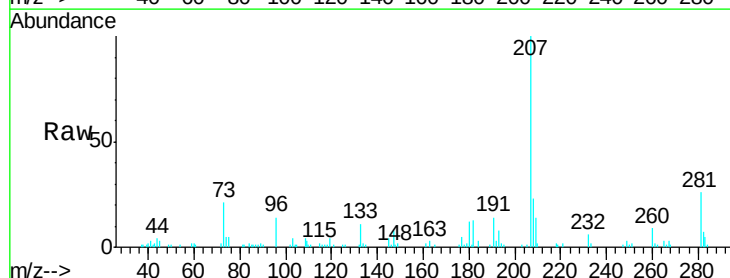
Tgt Ion:180 Resp: 4633

Ion Ratio Lower Upper

180 100

182 108.9 47.3 141.8

145 34.4 15.8 47.3



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

