

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110519\
 Data File : VN059086.D
 Acq On : 5 Nov 2019 11:33
 Operator : JC/SP
 Sample : PB124527TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB124527TB

Quant Time: Nov 06 00:38:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	471952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	748633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	684806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246919	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	312783	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
35) Dibromofluoromethane	7.57	113	238717	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	10.08	98	938590	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.40	95	303235	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

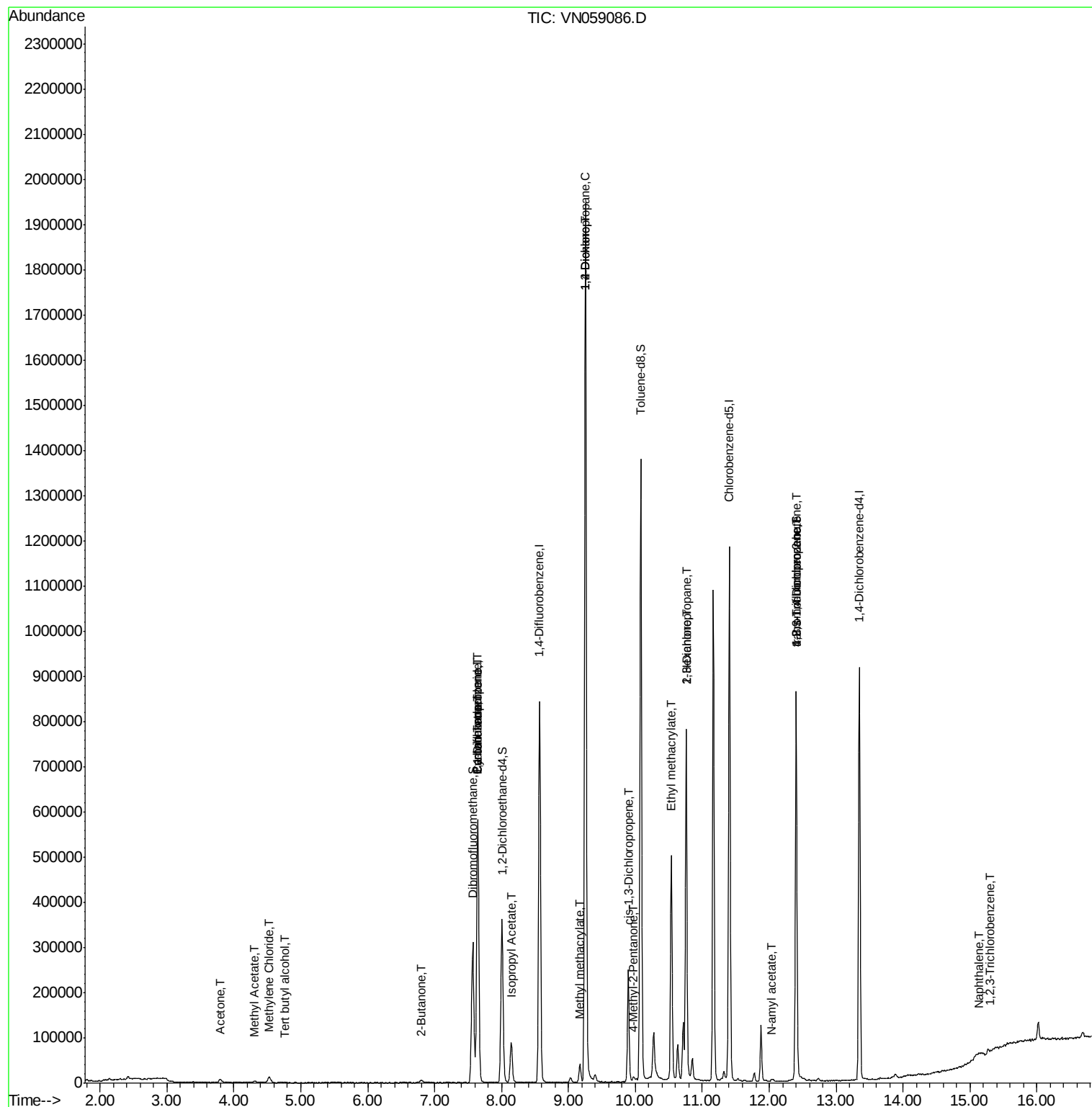
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	291	0.252	ug/l #	72
16) Acetone	3.80	43	13597	4.297	ug/l	95
18) Methyl Acetate	4.30	43	4683	0.584	ug/l #	80
20) Methylene Chloride	4.53	84	9348	1.688	ug/l	95
25) 2-Butanone	6.81	43	919	0.218	ug/l	95
31) Cyclohexane	7.64	56	9800	1.018	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	37133	4.991	ug/l #	49
38) Carbon Tetrachloride	7.64	117	45217	6.236	ug/l #	16
43) Isopropyl Acetate	8.14	43	108928	8.426	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	2495	0.418	ug/l #	43
48) Methyl methacrylate	9.17	41	6336	1.075	ug/l #	14
49) 1,4-Dioxane	9.24	88	63	0.655	ug/l #	1
51) 4-Methyl-2-Pentanone	9.97	43	7380	0.983	ug/l	92
54) cis-1,3-Dichloropropene	9.90	75	44535	4.885	ug/l #	65
56) Ethyl methacrylate	10.54	69	2129	2.079	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	7785	0.849	ug/l #	42
59) 2-Hexanone	10.76	43	115177	20.187	ug/l #	52
74) N-amyl acetate	12.04	43	3100	0.384	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	152180	26.044	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	152180	66.765	ug/l #	14
95) Naphthalene	15.13	128	2114	3.133	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.30	180	887	0.201	ug/l #	59

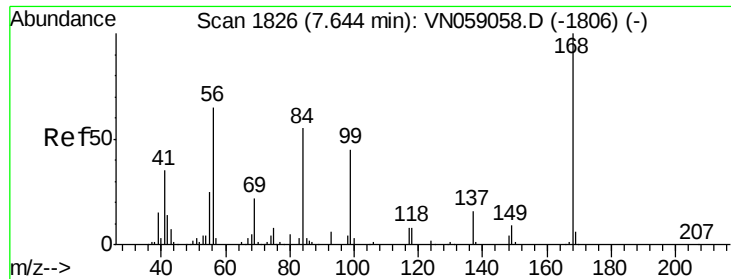
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN059086.D
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ClientSampleId :
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Quant Time: Nov 06 00:38:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 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: VN059086.D

Acq: 5 Nov 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

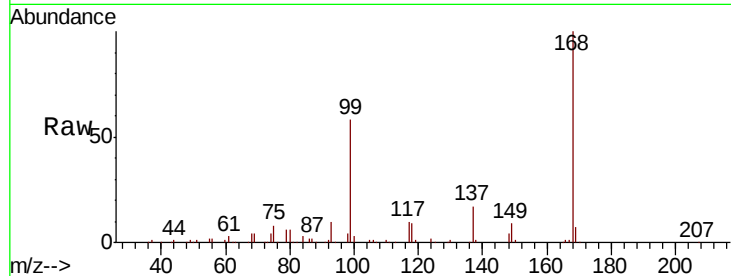
PB124527TB

Tot Ion:168 Resp: 471952

Ion Ratio Lower Upper

168 100

99 58.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

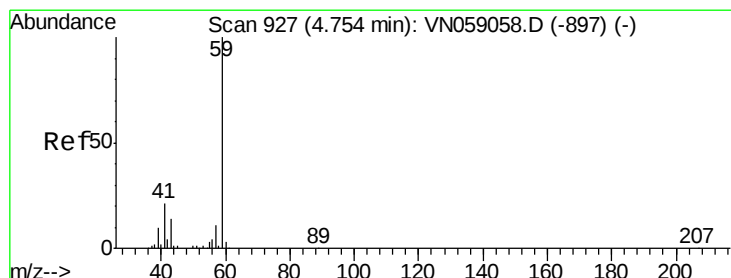
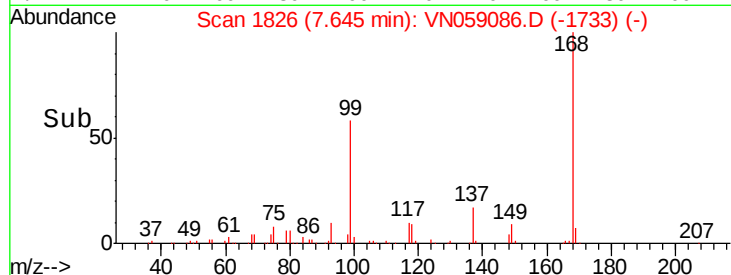
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.252 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN059086.D

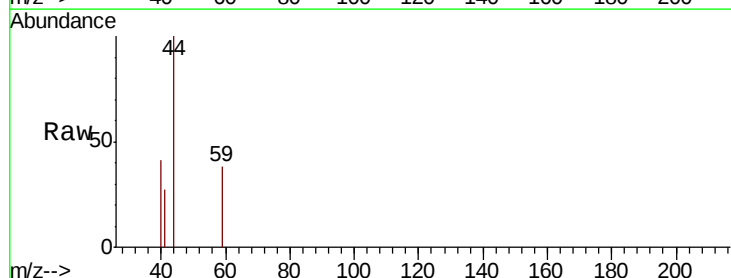
Acq: 5 Nov 2019 11:33

Tgt Ion: 59 Resp: 291

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.75

300

250

200

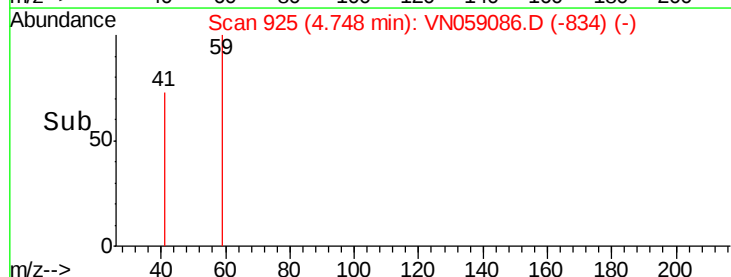
150

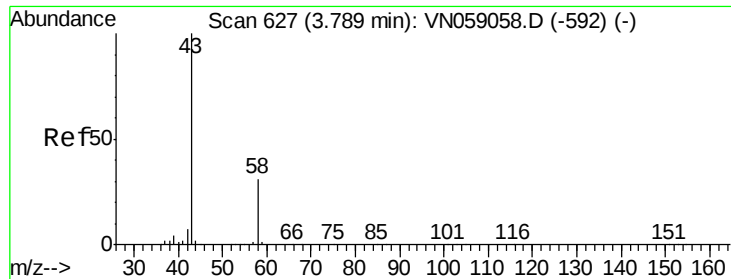
100

50

0

Time--> 4.74 4.76

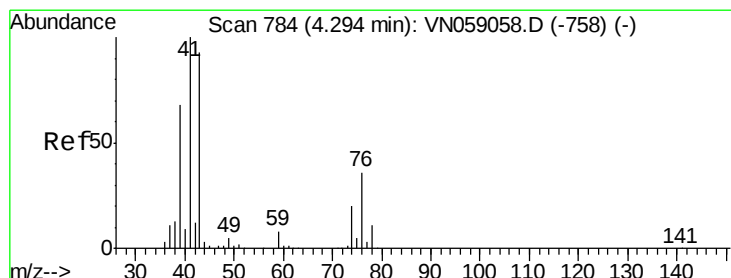
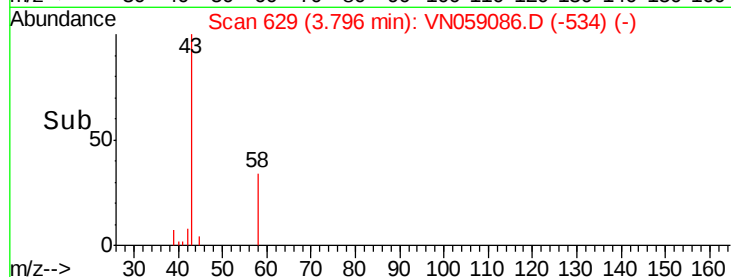
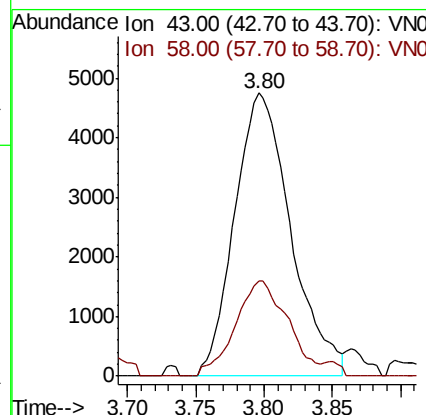
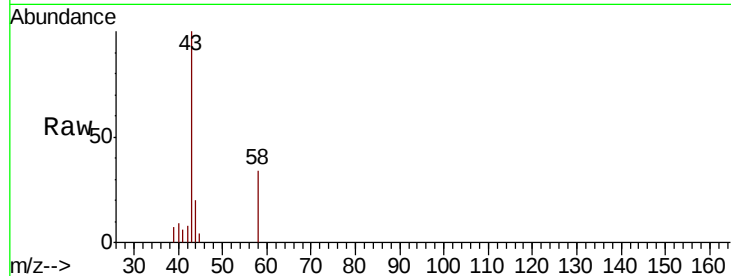




#16
Acetone
Concen: 4.297 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.01 min
Lab File: VN059086.D
Acq: 5 Nov 2019 11:33

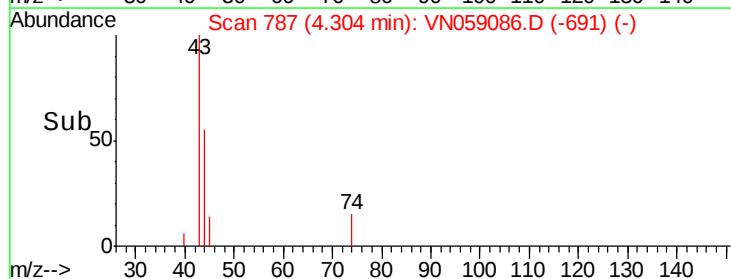
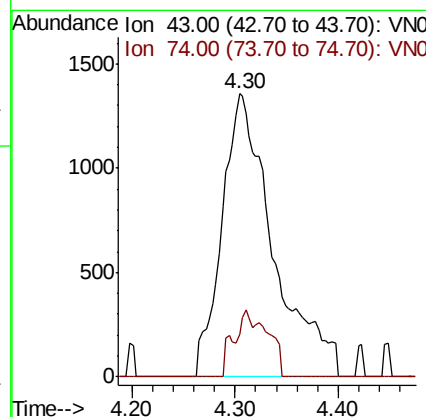
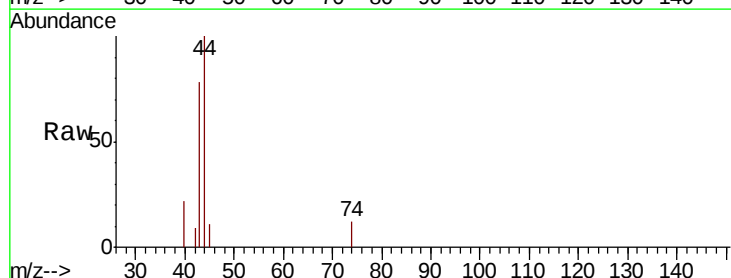
Instrument :
MSVOA_N
ClientSampled :
PB124527TB

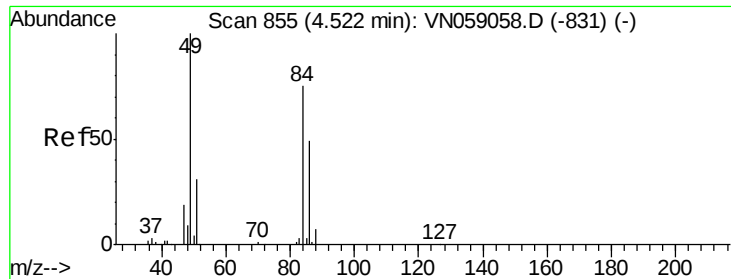
Tot Ion: 43 Resp: 13597
Ion Ratio Lower Upper
43 100
58 33.8 25.0 37.6



#18
Methyl Acetate
Concen: 0.584 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN059086.D
Acq: 5 Nov 2019 11:33

Tgt Ion: 43 Resp: 4683
Ion Ratio Lower Upper
43 100
74 12.5 17.5 26.3#

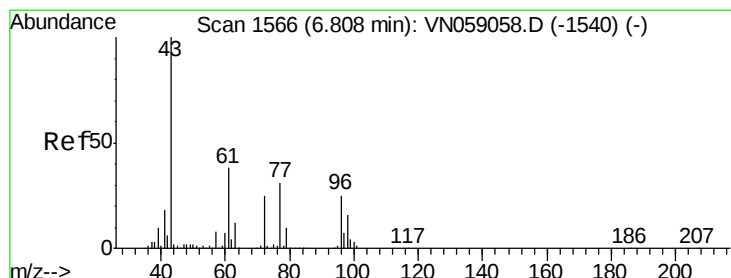
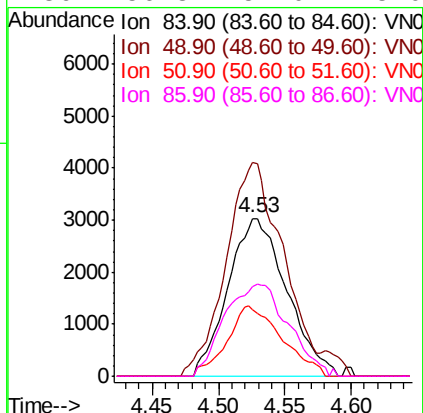
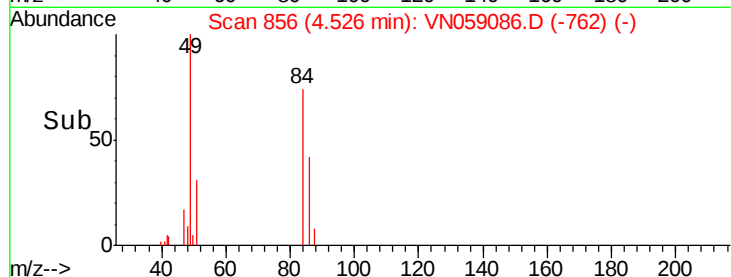
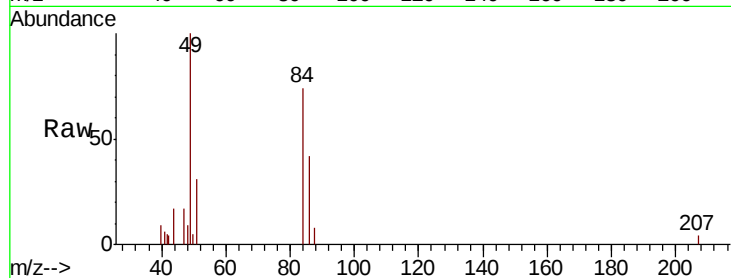




#20
Methylene Chloride
Concen: 1.688 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059086.D
Acq: 5 Nov 2019 11:33

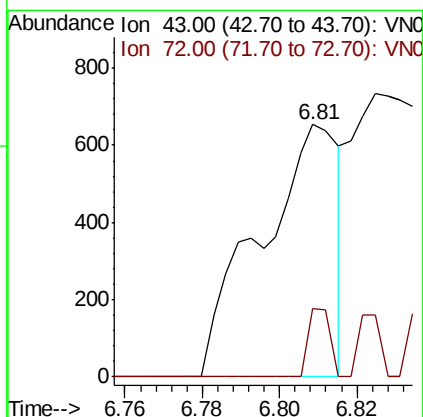
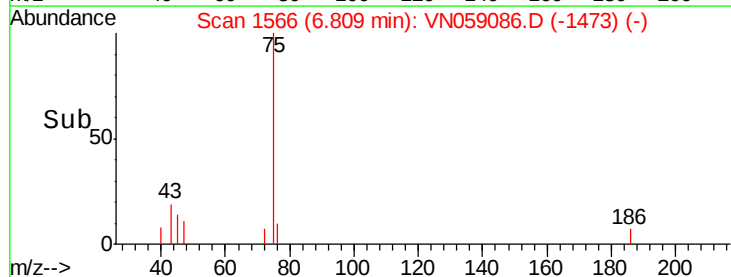
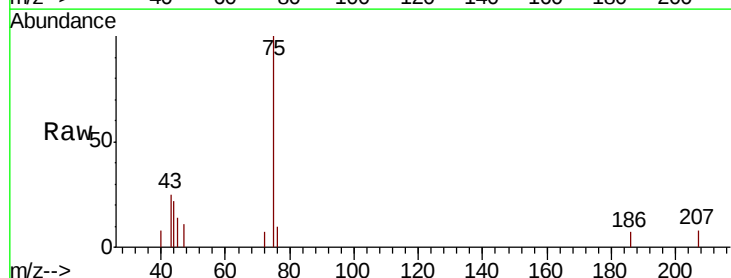
Instrument :
MSVOA_N
ClientSampled :
PB124527TB

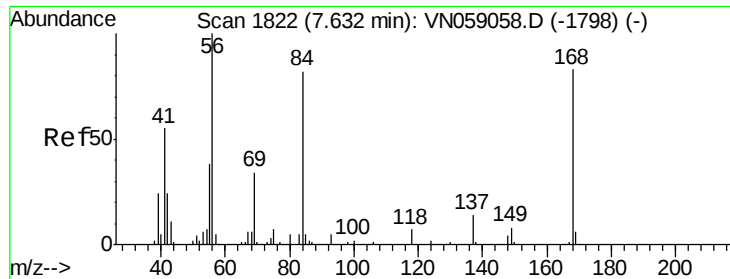
Tot Ion: 84 Resp: 9348
Ion Ratio Lower Upper
84 100
49 128.9 106.4 159.6
51 42.6 33.0 49.4
86 56.8 52.0 78.0



#25
2-Butanone
Concen: 0.218 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059086.D
Acq: 5 Nov 2019 11:33

Tgt Ion: 43 Resp: 919
Ion Ratio Lower Upper
43 100
72 27.3 19.9 29.9

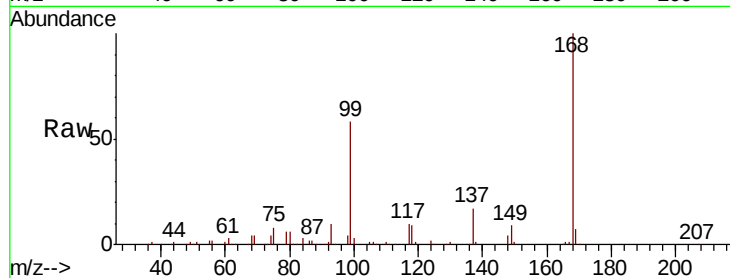




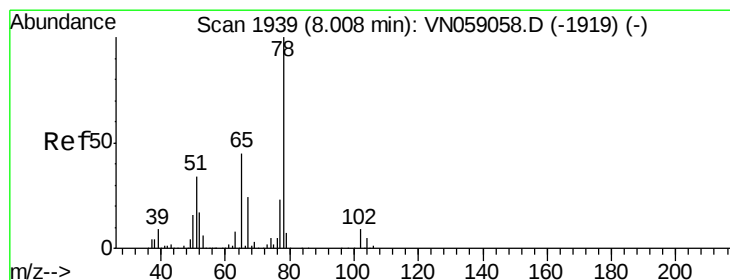
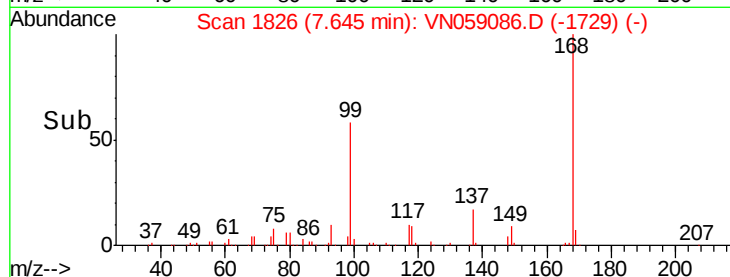
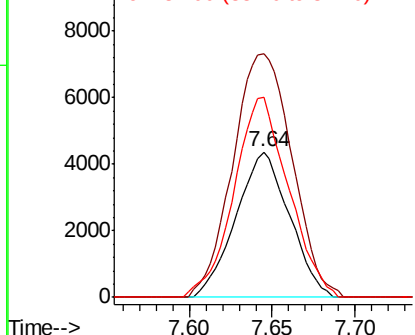
#31
Cyclohexane
Concen: 1.018 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059086.D
Acq: 5 Nov 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
PB124527TB

Tot Ion: 56 Resp: 9800
Ion Ratio Lower Upper
56 100
69 167.4 27.2 40.8#
84 137.3 65.2 97.8#

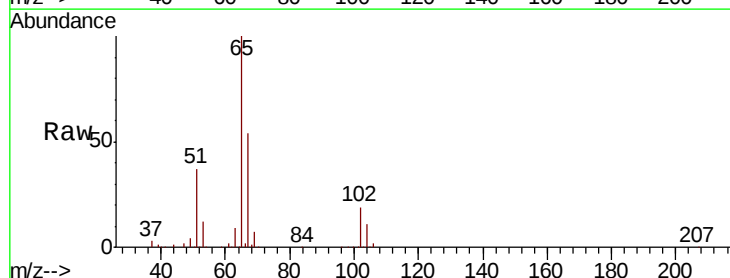


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

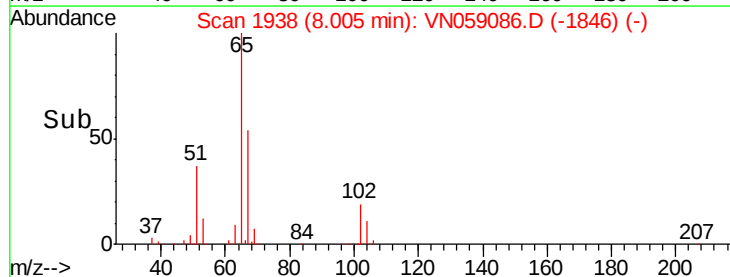
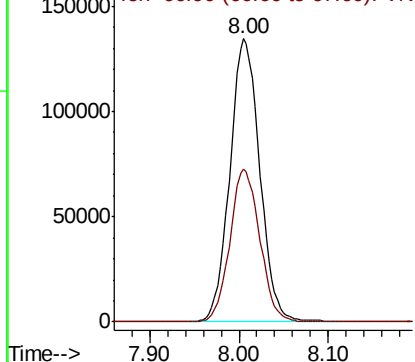


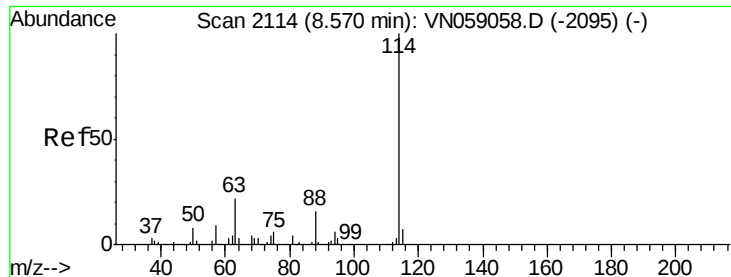
#33
1,2-Dichloroethane-d4
Concen: 50.042 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN059086.D
Acq: 5 Nov 2019 11:33

Tgt Ion: 65 Resp: 312783
Ion Ratio Lower Upper
65 100
67 53.9 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

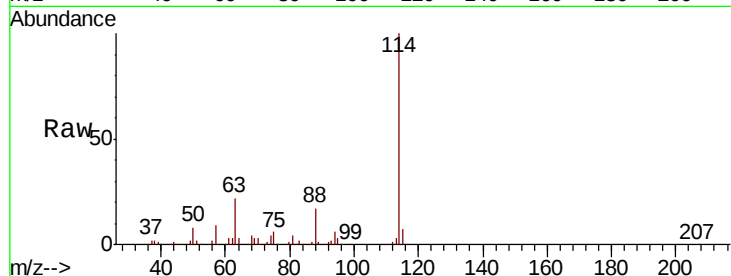




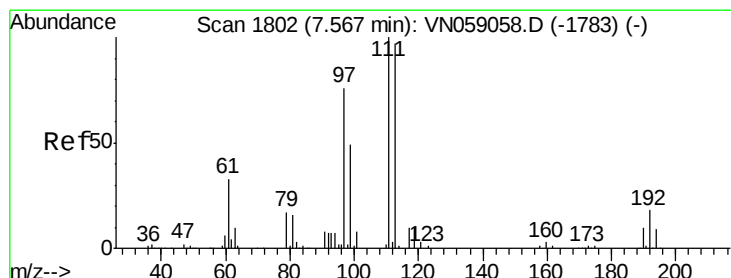
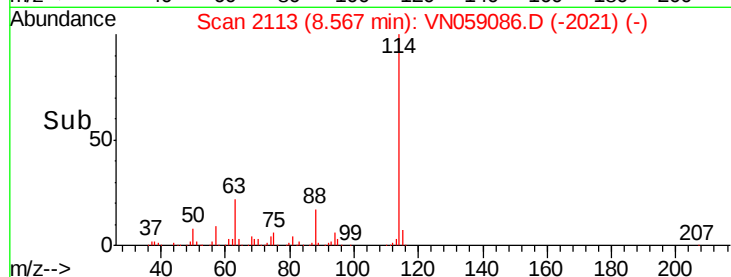
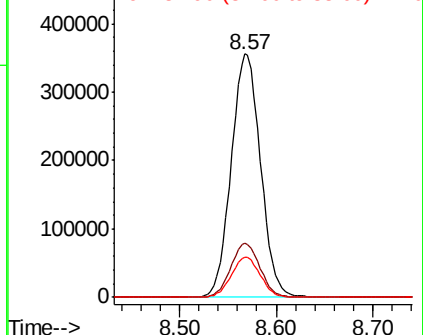
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059086.D
 Acq: 5 Nov 2019 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB124527TB

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.2
88	16.5	0.0	33.0

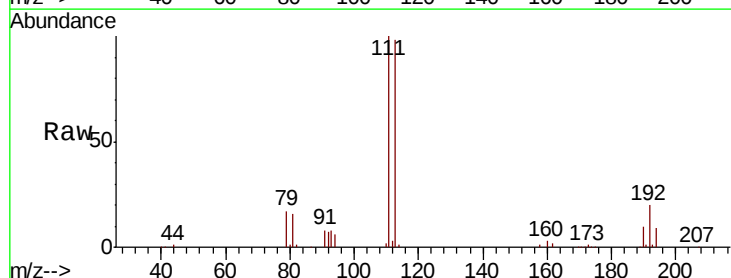


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

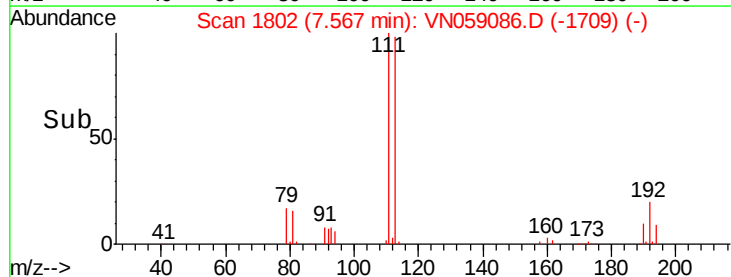
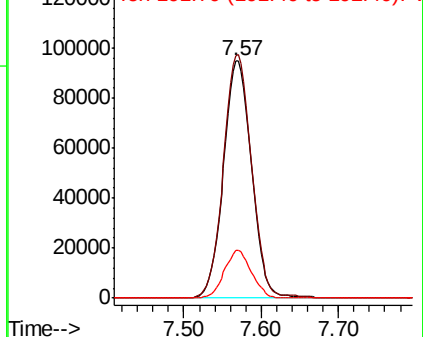


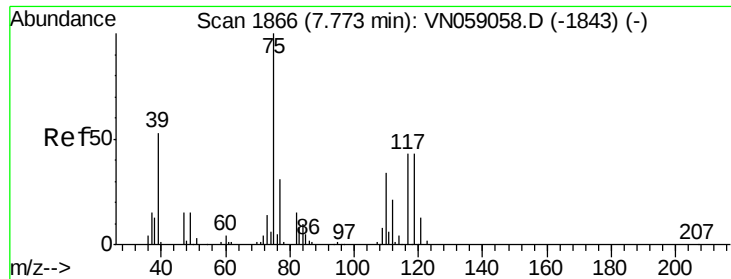
#35
 Dibromofluoromethane
 Concen: 49.428 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059086.D
 Acq: 5 Nov 2019 11:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	19.6	15.9	23.9



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

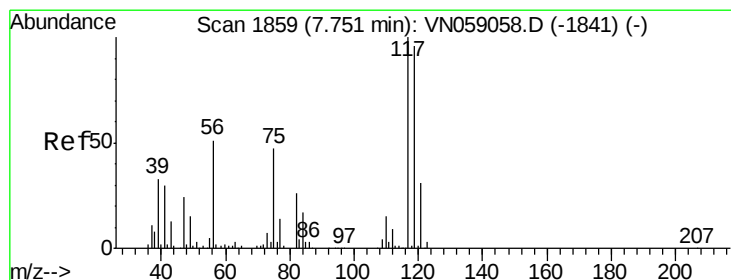
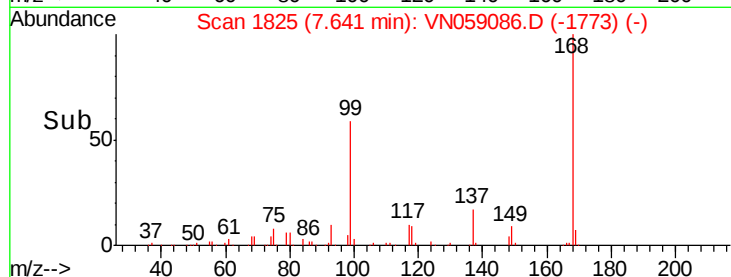
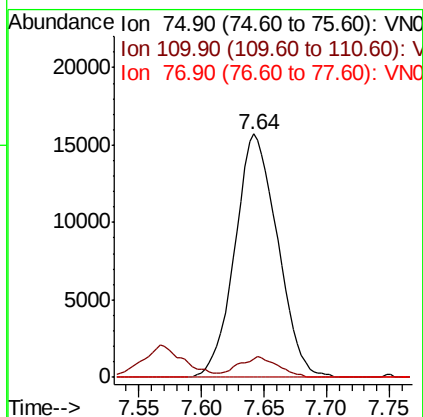
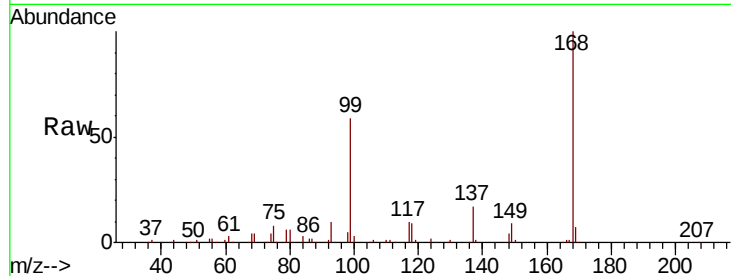




#36
 1,1-Dichloropropene
 Concen: 4.991 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059086.D
 Acq: 5 Nov 2019 11:33

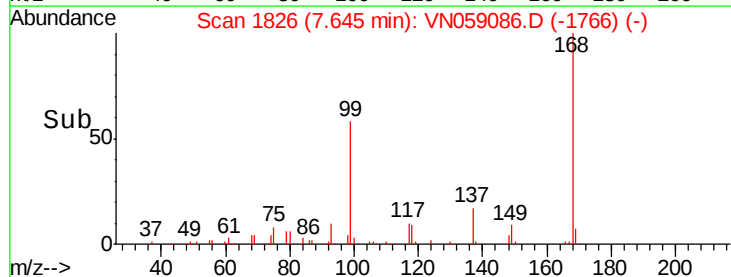
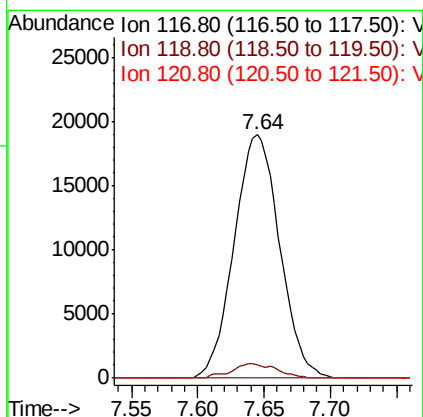
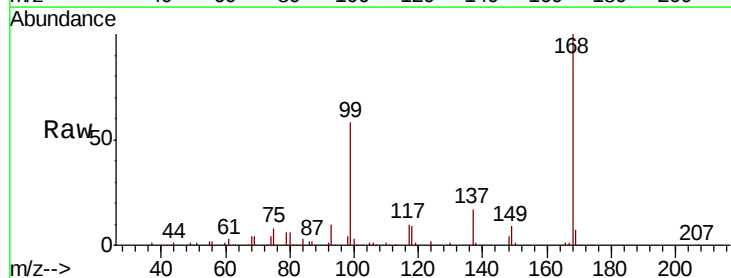
Instrument :
 MSVOA_N
 ClientSampleId :
 PB124527TB

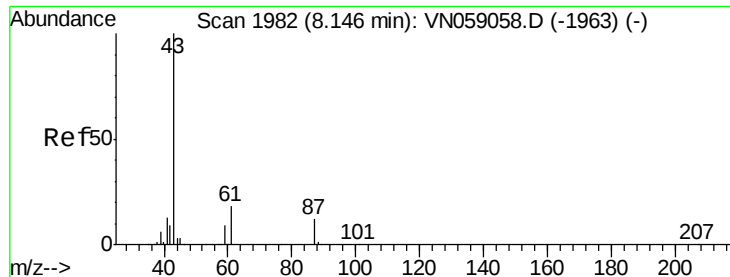
Tot Ion	75	Resp	37133
Ion Ratio	Lower	Upper	
75	100		
110	7.9	16.9	50.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.236 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059086.D
 Acq: 5 Nov 2019 11:33

Tgt Ion	117	Resp	45217
Ion Ratio	Lower	Upper	
117	100		
119	5.5	76.6	114.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 8.426 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059086.D

Acq: 5 Nov 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

PB124527TB

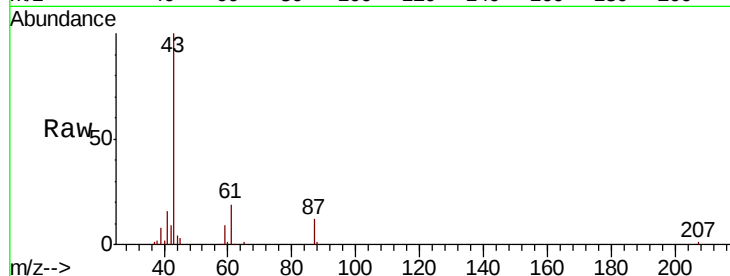
Tot Ion: 43 Resp: 108928

Ion Ratio Lower Upper

43 100

61 19.4 20.5 30.7#

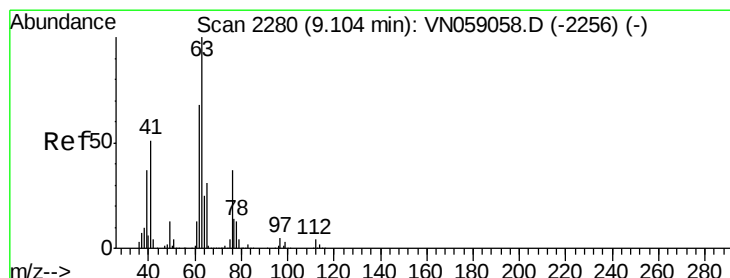
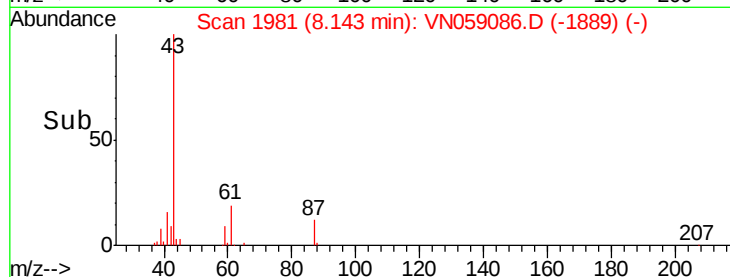
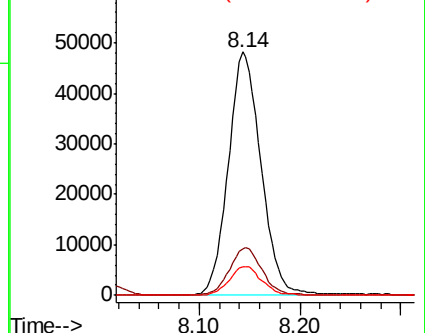
87 11.6 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN059058.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN059058.D (-1963) (-)



#45

1,2-Dichloropropane

Concen: 0.418 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059086.D

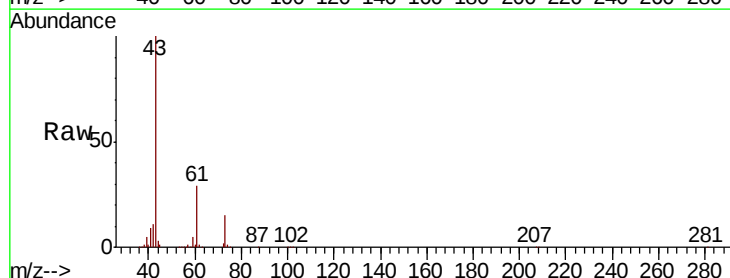
Acq: 5 Nov 2019 11:33

Tgt Ion: 63 Resp: 2495

Ion Ratio Lower Upper

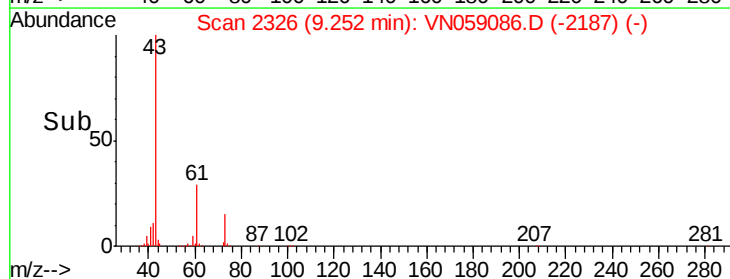
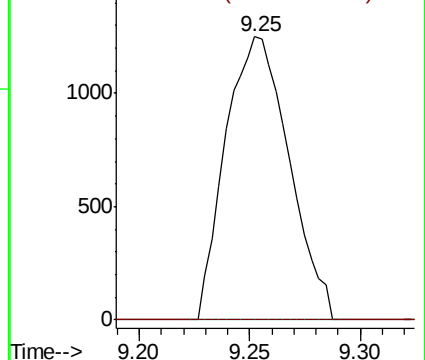
63 100

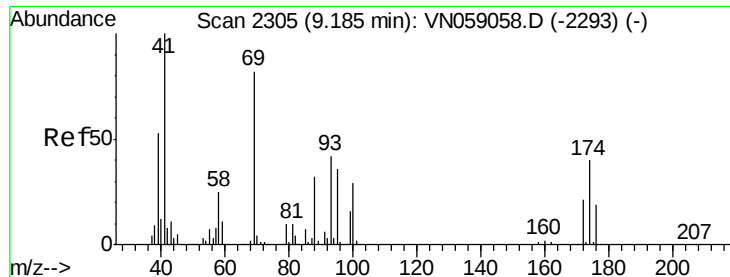
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN059058.D (-2256) (-)

Ion 64.90 (64.60 to 65.60): VN059058.D (-2256) (-)

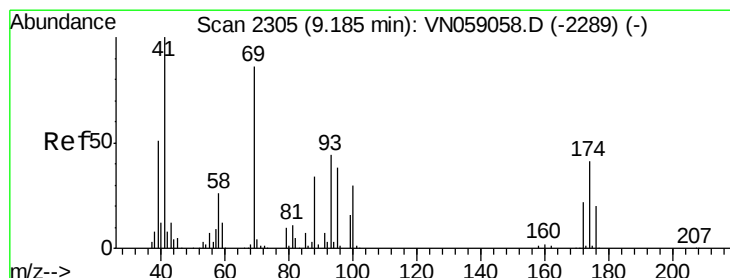
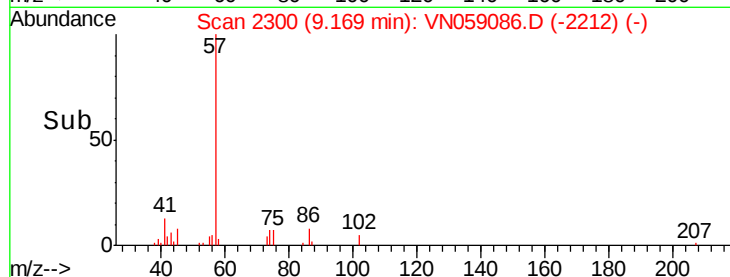
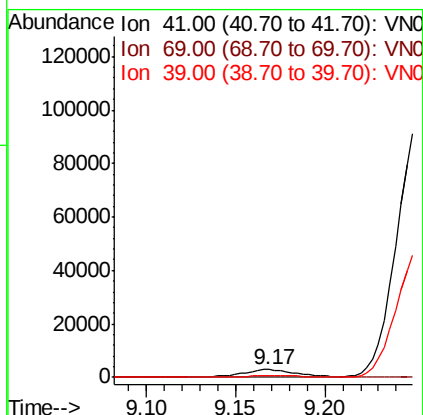
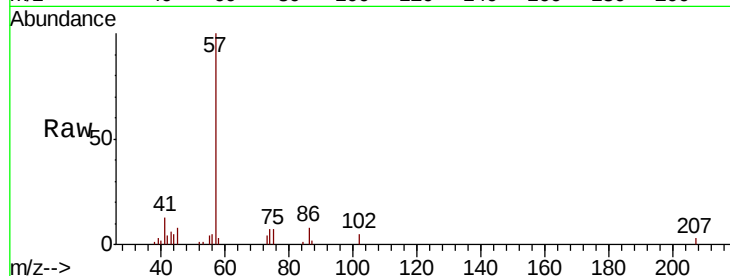




#48
Methvl methacrylate
Concen: 1.075 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.02 min
Lab File: VN059086.D
Acq: 5 Nov 2019 11:33

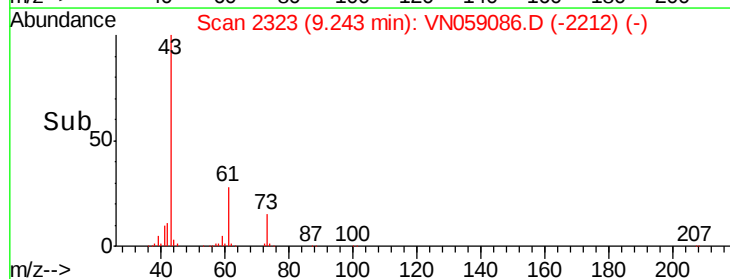
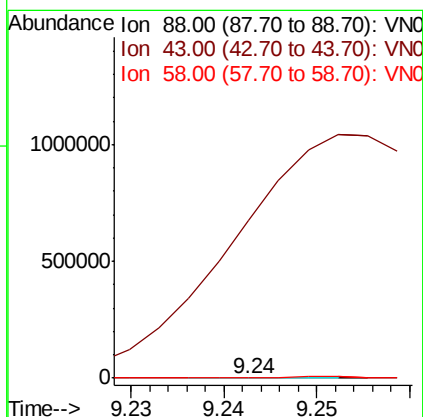
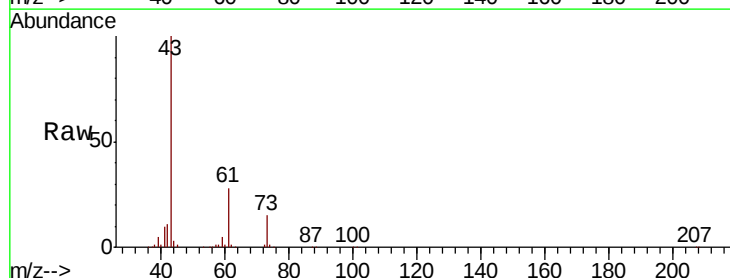
Instrument :
MSVOA_N
ClientSampleId :
PB124527TB

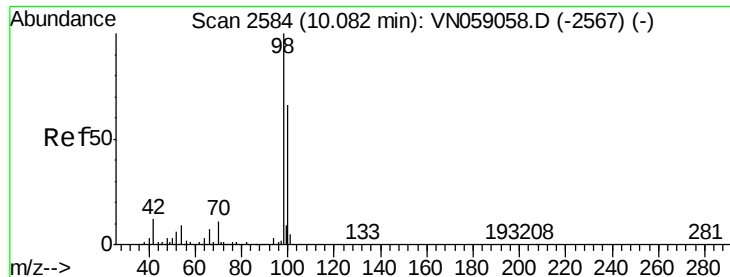
Tot Ion: 41 Resp: 6336
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 0.0 43.3 64.9#



#49
1,4-Dioxane
Concen: 0.655 ug/l
RT: 9.24 min Scan# 2323
Delta R.T. 0.06 min
Lab File: VN059086.D
Acq: 5 Nov 2019 11:33

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 3130427.0 26.2 39.2#
58 14906.3 59.1 88.7#





#50

Toluene-d8

Concen: 49.917 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059086.D

Acq: 5 Nov 2019 11:33

Instrument :

MSVOA_N

ClientSampled :

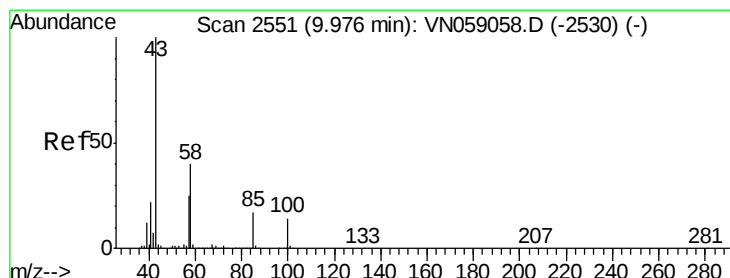
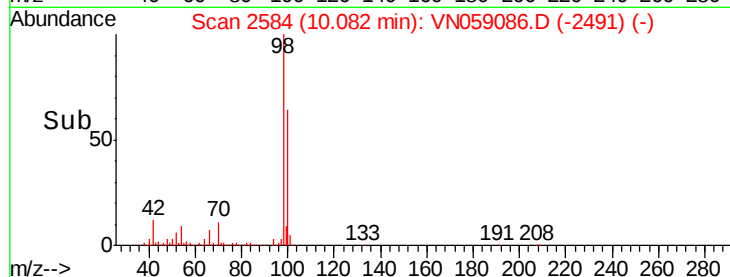
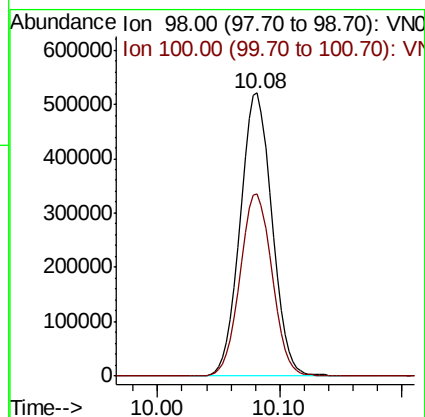
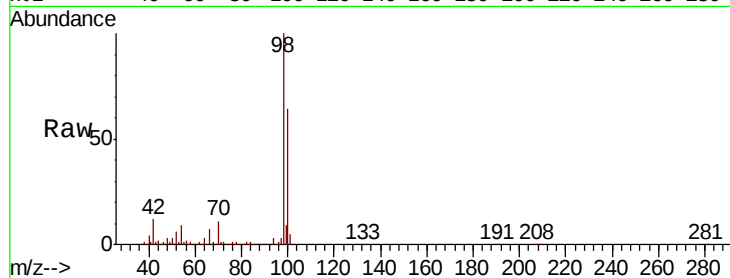
PB124527TB

Tot Ion: 98 Resp: 938590

Ion Ratio Lower Upper

98 100

100 65.3 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.983 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059086.D

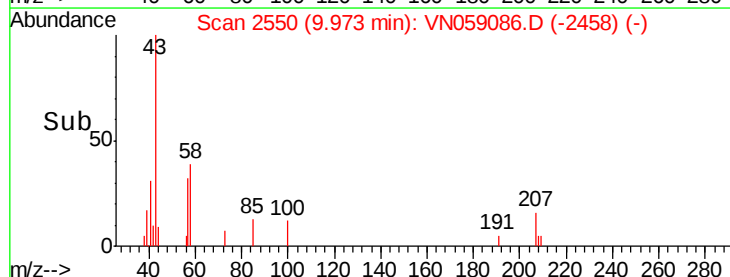
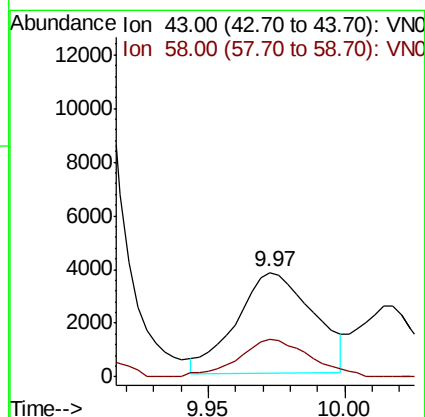
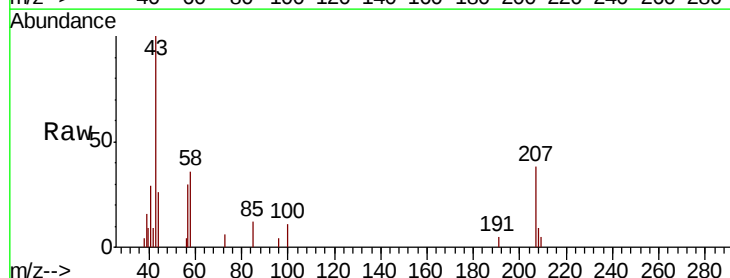
Acq: 5 Nov 2019 11:33

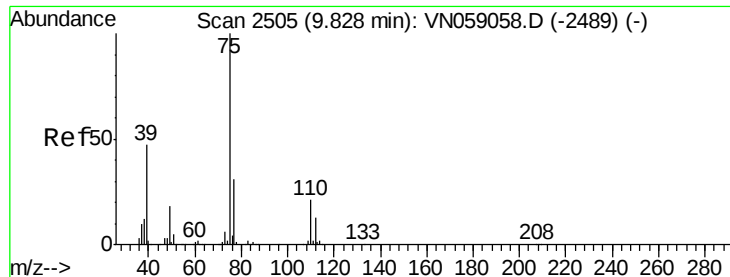
Tgt Ion: 43 Resp: 7380

Ion Ratio Lower Upper

43 100

58 34.6 31.8 47.6





#54

cis-1,3-Dichloropropene

Concen: 4.885 ug/l

RT: 9.90 min Scan# 2526

Delta R.T. 0.07 min

Lab File: VN059086.D

Acq: 5 Nov 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

PB124527TB

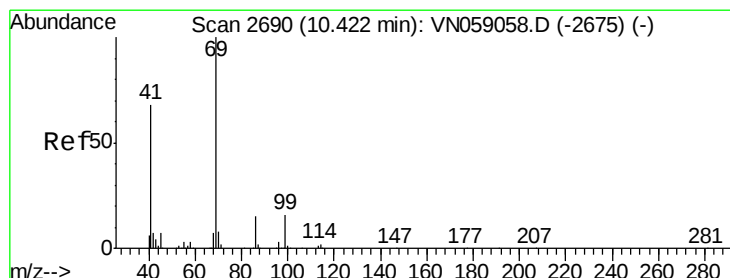
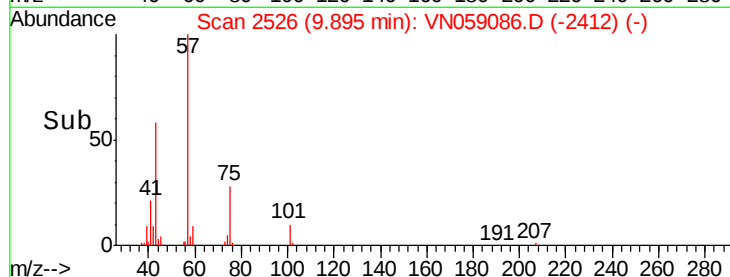
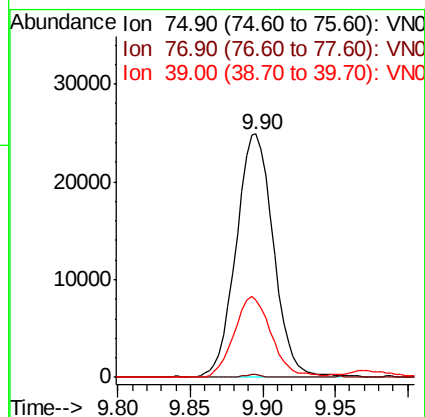
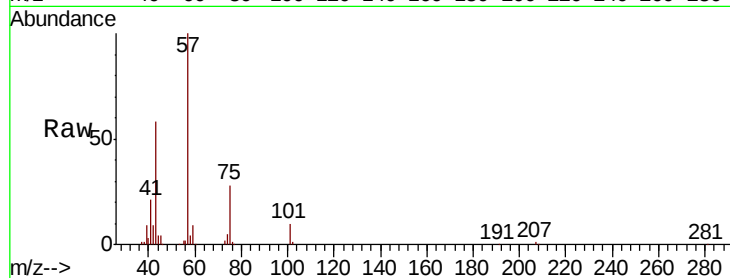
Tot Ion: 75 Resp: 44535

Ion Ratio Lower Upper

75 100

77 1.1 24.6 37.0#

39 31.9 37.4 56.2#



#56

Ethyl methacrylate

Concen: 2.079 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.11 min

Lab File: VN059086.D

Acq: 5 Nov 2019 11:33

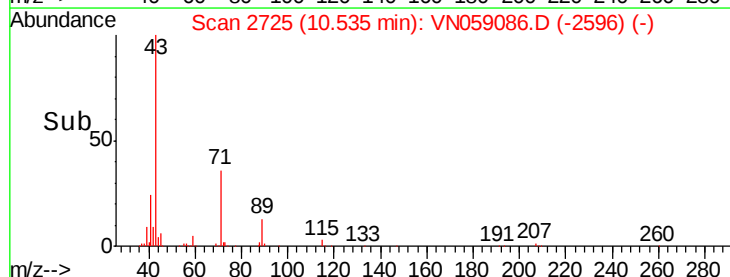
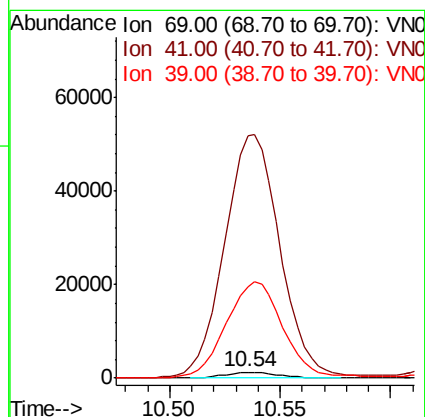
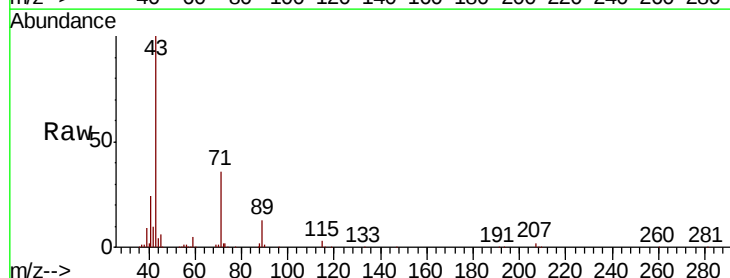
Tgt Ion: 69 Resp: 2129

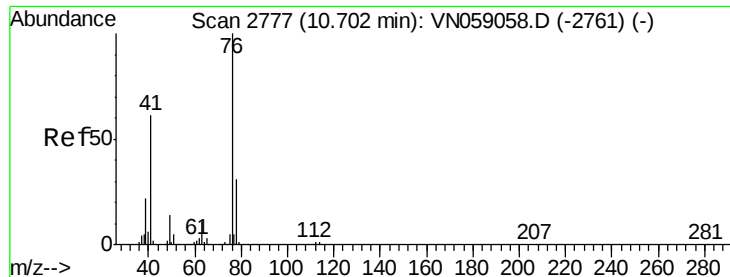
Ion Ratio Lower Upper

69 100

41 4300.0 53.8 80.8#

39 1736.8 26.2 39.2#





#57

1,3-Dichloropropane

Concen: 0.849 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN059086.D

Acq: 5 Nov 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

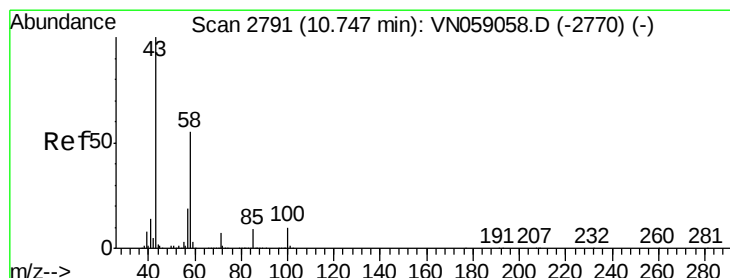
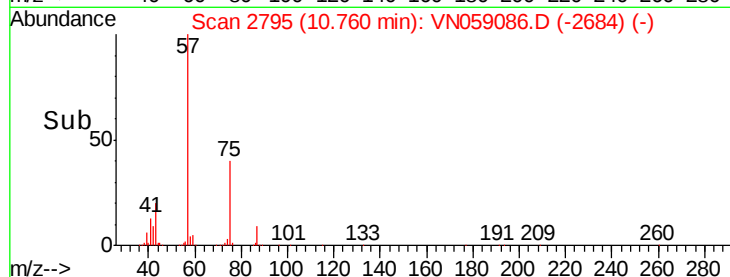
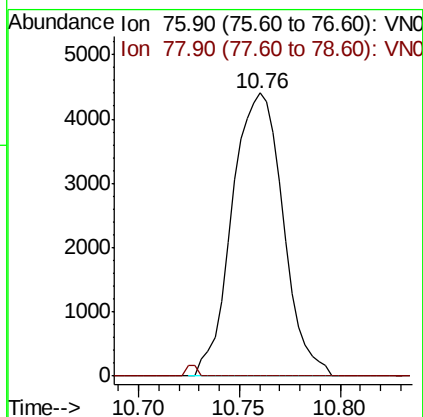
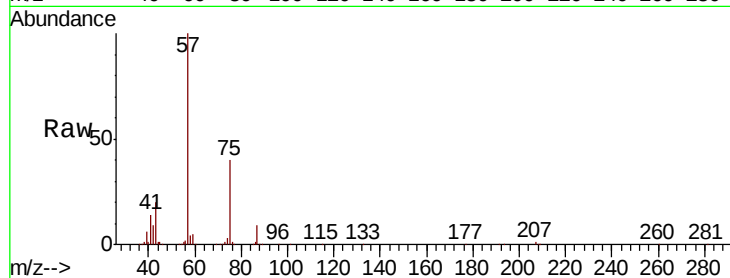
PB124527TB

Tot Ion: 76 Resp: 7785

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 20.187 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN059086.D

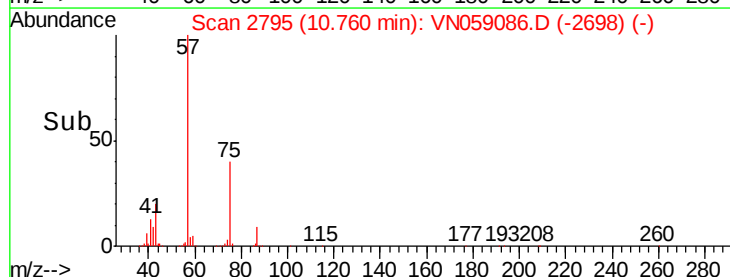
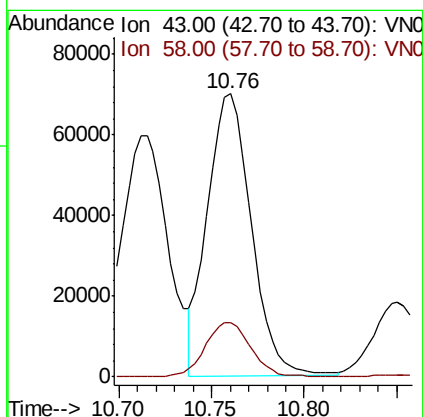
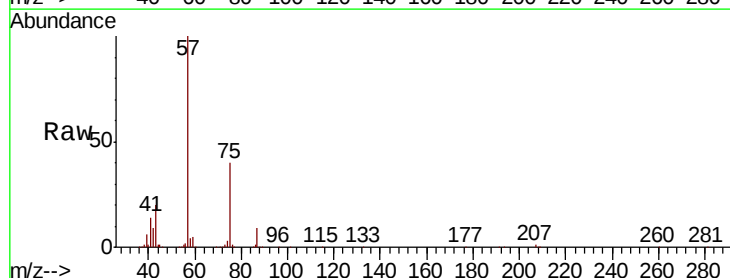
Acq: 5 Nov 2019 11:33

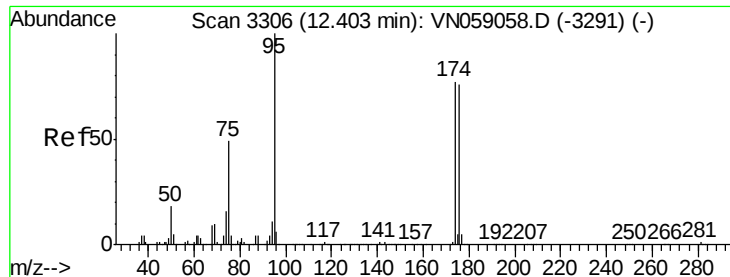
Tgt Ion: 43 Resp: 115177

Ion Ratio Lower Upper

43 100

58 20.0 27.4 82.2#

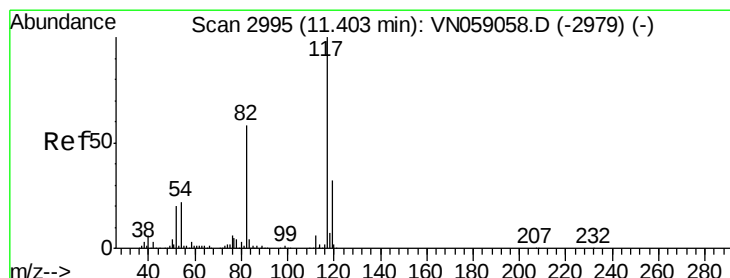
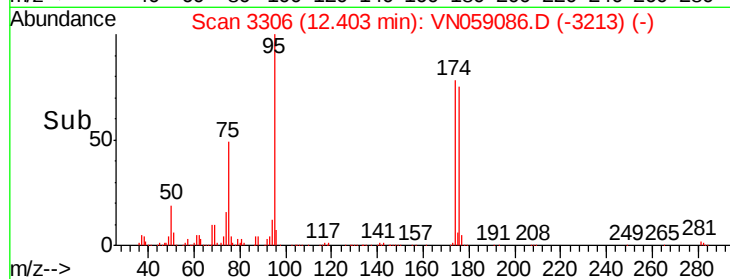
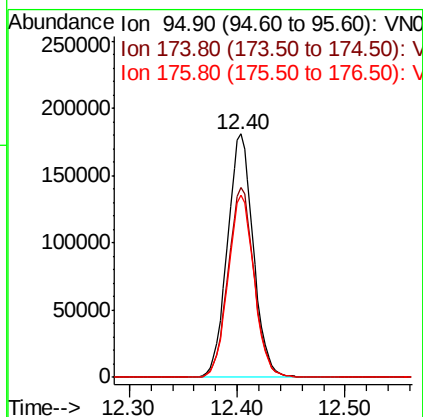
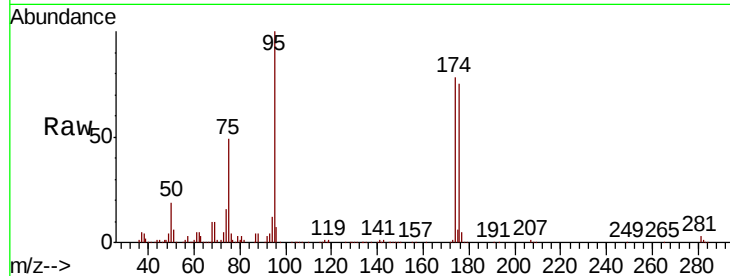




#62
4-Bromofluorobenzene
Concen: 44.863 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059086.D
Acq: 5 Nov 2019 11:33

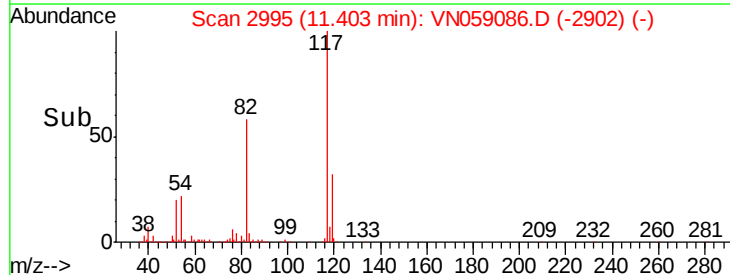
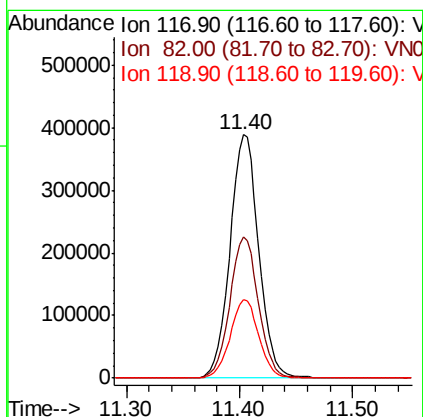
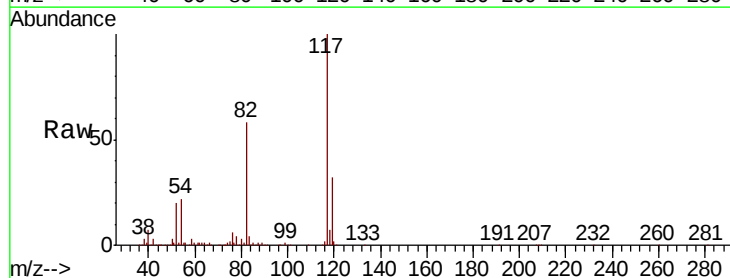
Instrument :
MSVOA_N
ClientSampleId :
PB124527TB

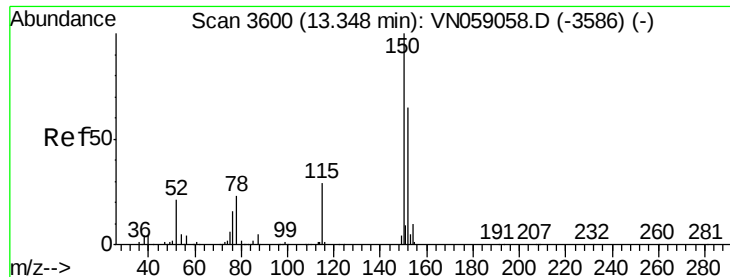
Tot Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	155.8
176	75.3	0.0	151.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059086.D
Acq: 5 Nov 2019 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.0	69.0
119	32.2	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059086.D

Acq: 5 Nov 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

PB124527TB

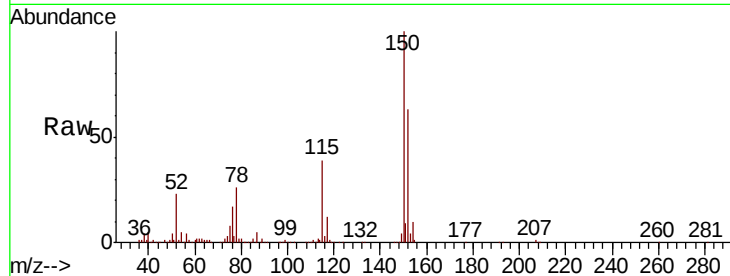
Tot Ion:152 Resp: 246919

Ion Ratio Lower Upper

152 100

115 60.6 29.6 88.9

150 158.2 0.0 345.8

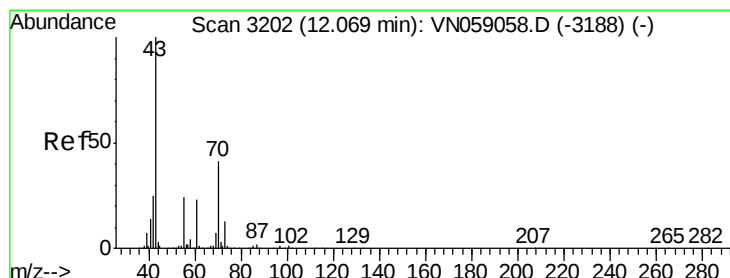
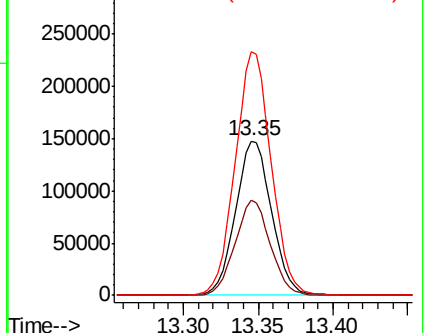
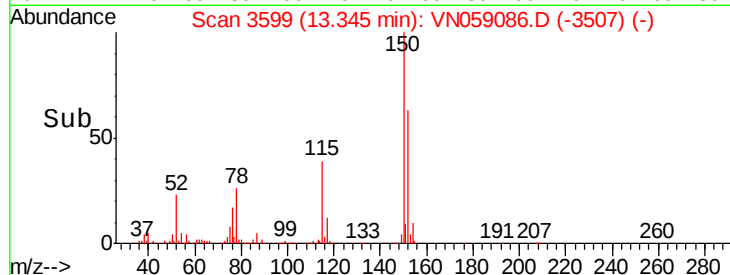


Abundance

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



#74

N-ethyl acetate

Concen: 0.384 ug/l

RT: 12.04 min Scan# 3193

Delta R.T. -0.03 min

Lab File: VN059086.D

Acq: 5 Nov 2019 11:33

Tgt Ion: 43 Resp: 3100

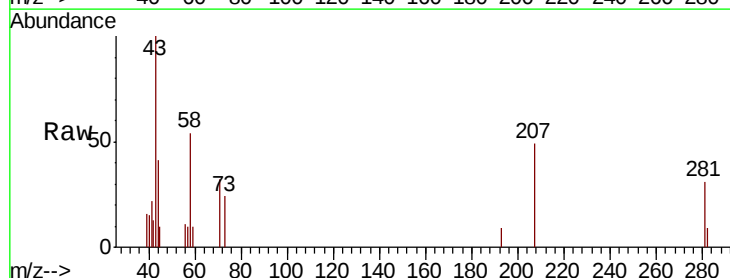
Ion Ratio Lower Upper

43 100

70 0.0 32.6 49.0#

55 0.0 19.7 29.5#

61 0.0 19.0 28.6#



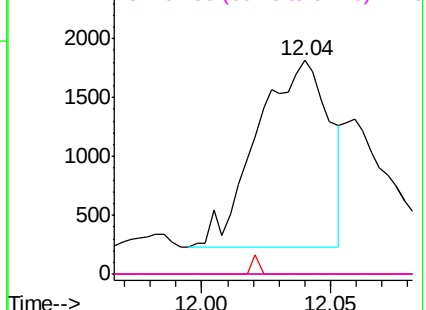
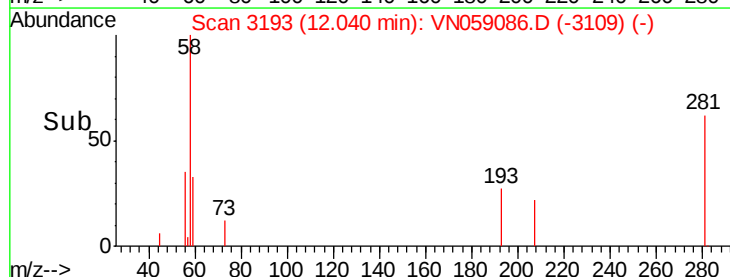
Abundance

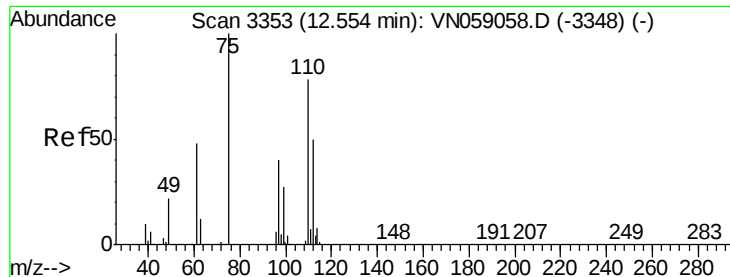
Ion 43.00 (42.70 to 43.70): V

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: 26.044 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059086.D

Acq: 5 Nov 2019 11:33

Instrument :

MSVOA_N

ClientSampled :

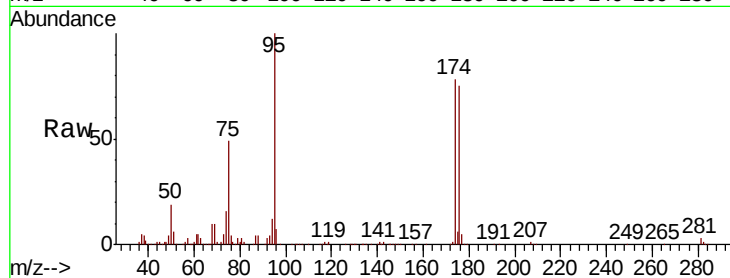
PB124527TB

Tot Ion: 75 Resp: 152180

Ion Ratio Lower Upper

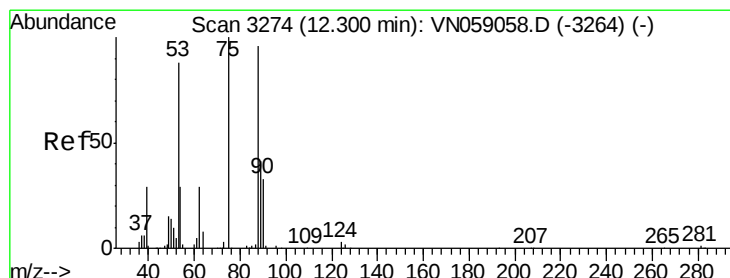
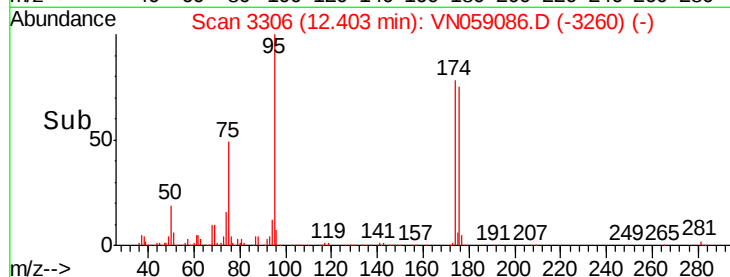
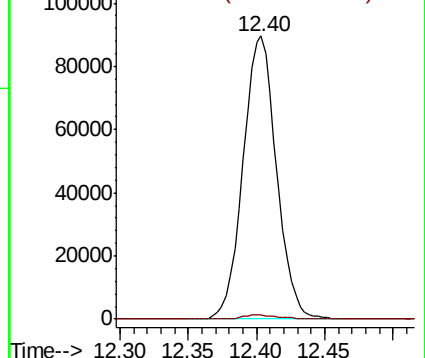
75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 66.765 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059086.D

Acq: 5 Nov 2019 11:33

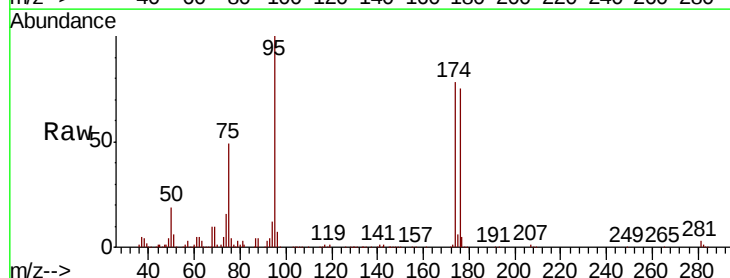
Tgt Ion: 75 Resp: 152180

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

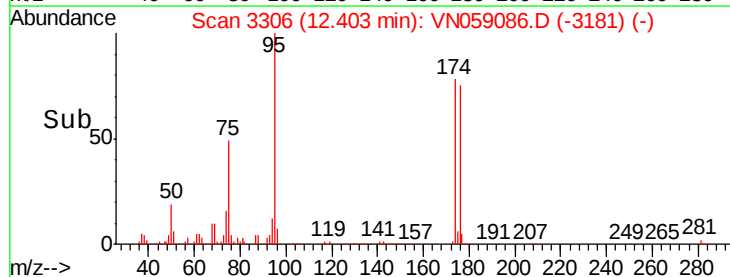
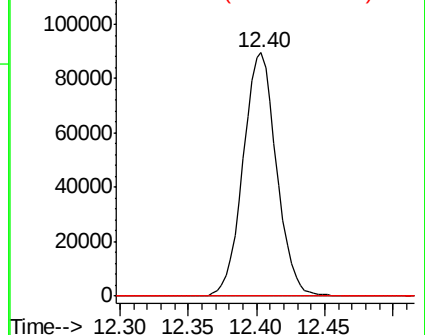
89 0.0 34.2 51.2#

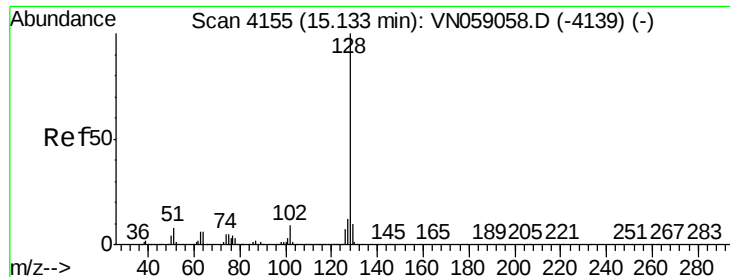


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

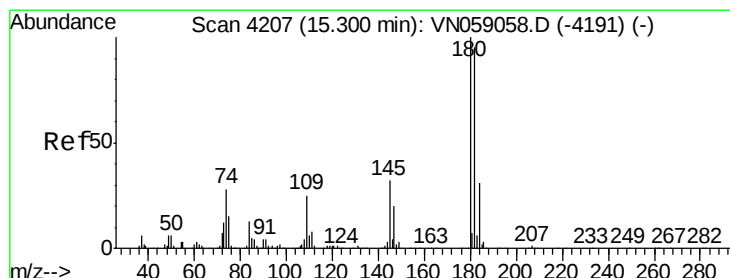
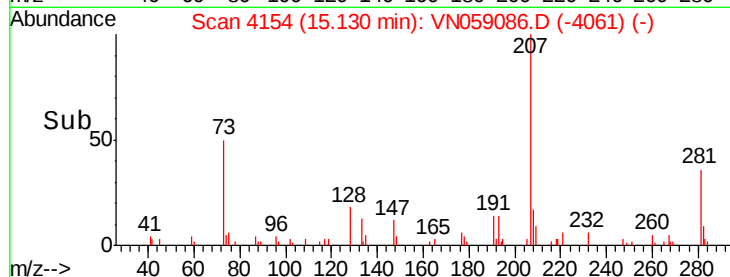
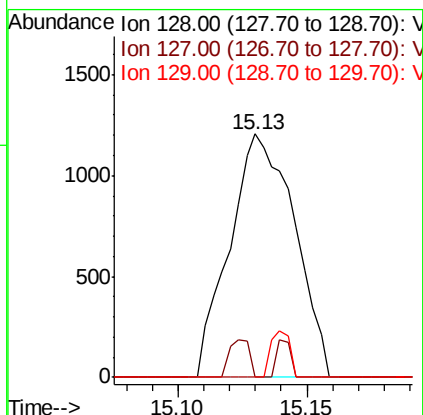
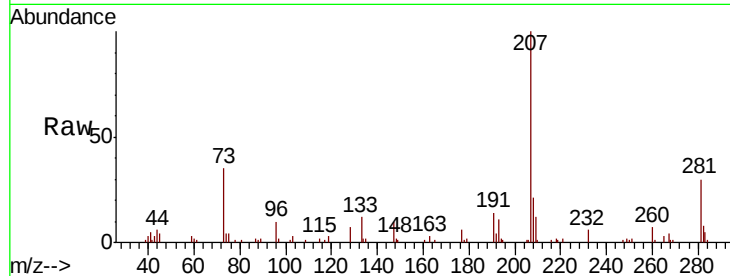




#95
Naphthalene
Concen: 3.133 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059086.D
Acq: 5 Nov 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
PB124527TB

Tot Ion:128 Resp: 2114
Ion Ratio Lower Upper
128 100
127 4.7 9.9 14.9#
129 0.0 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 0.201 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059086.D
Acq: 5 Nov 2019 11:33

Tgt Ion:180 Resp: 887
Ion Ratio Lower Upper
180 100
182 47.1 47.7 143.1#
145 23.0 16.0 48.0

