

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059625.D
 Acq On : 17 Dec 2019 15:30
 Operator : JC/SP
 Sample : PB125506TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB125506TB

Quant Time: Dec 18 05:47:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	223604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	361658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	325836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115588	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	163392	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
35) Dibromofluoromethane	7.57	113	113702	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
50) Toluene-d8	10.08	98	455641	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.40	95	144406	44.17	ug/l	0.00
Spiked Amount			Recovery	=	88.34%	

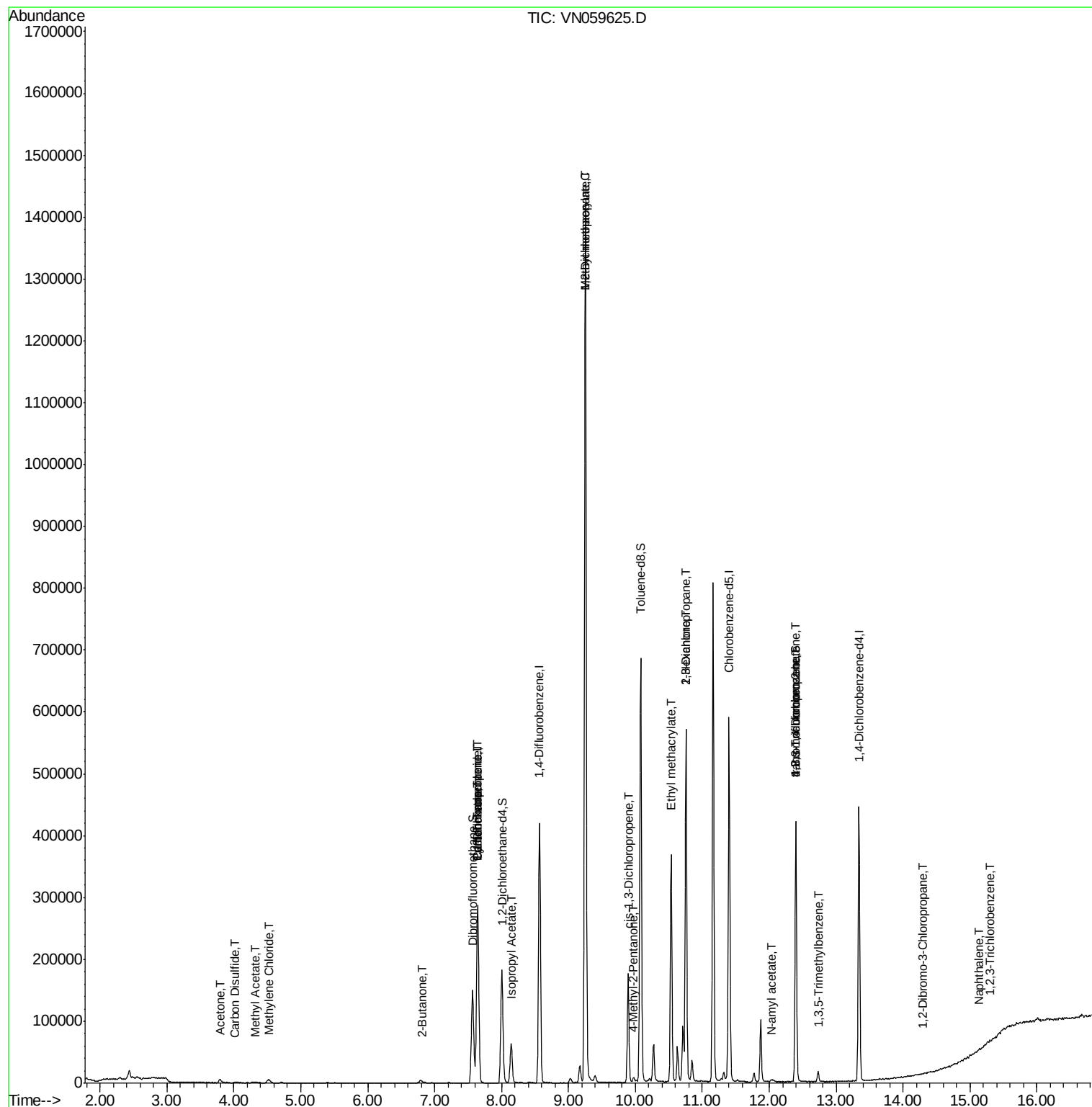
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	9265	4.796	ug/l	96
17) Carbon Disulfide	4.02	76	1516	2.058	ug/l #	75
18) Methyl Acetate	4.31	43	3260	0.805	ug/l #	62
20) Methylene Chloride	4.52	84	4073	1.460	ug/l	85
25) 2-Butanone	6.82	43	1733	0.750	ug/l #	50
31) Cyclohexane	7.64	56	5607	1.180	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	18296	4.851	ug/l #	50
38) Carbon Tetrachloride	7.64	117	22899	5.851	ug/l #	17
43) Isopropyl Acetate	8.14	43	74619	10.949	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1635	0.549	ug/l #	44
48) Methyl methacrylate	9.25	41	138642	44.838	ug/l #	45
51) 4-Methyl-2-Pentanone	9.97	43	5312	1.307	ug/l	98
54) cis-1,3-Dichloropropene	9.89	75	29075	6.152	ug/l #	67
56) Ethyl methacrylate	10.54	69	1350	0.342	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	5552	1.200	ug/l #	42
59) 2-Hexanone	10.76	43	88952	27.776	ug/l #	52
74) N-amyl acetate	12.03	43	2784	0.669	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	76711	26.808	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	8881	1.157	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	76711	66.214	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.29	75	255	1.929	ug/l #	6
95) Naphthalene	15.12	128	1881	0.241	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.29	180	656	0.248	ug/l #	62

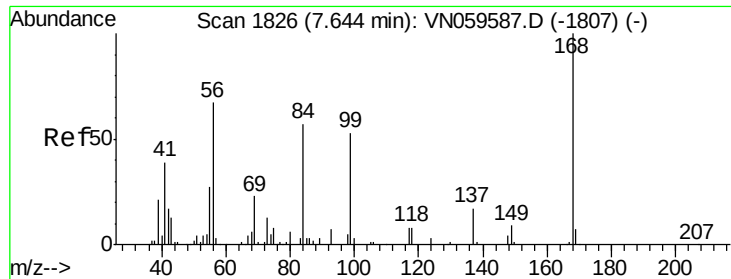
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 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: VN059625.D

Acq: 17 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

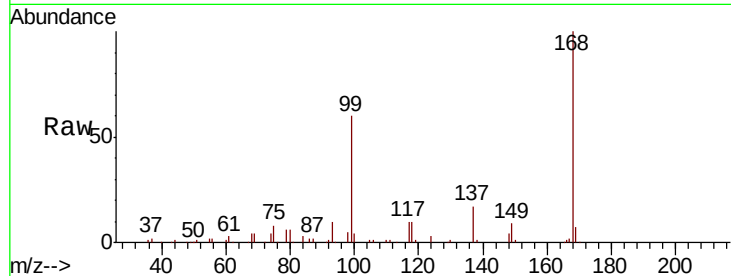
PB125506TB

Tot Ion:168 Resp: 223604

Ion Ratio Lower Upper

168 100

99 60.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

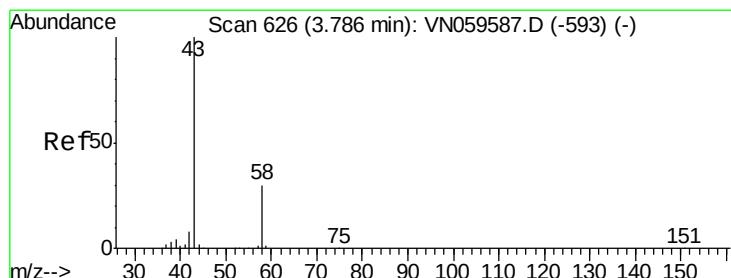
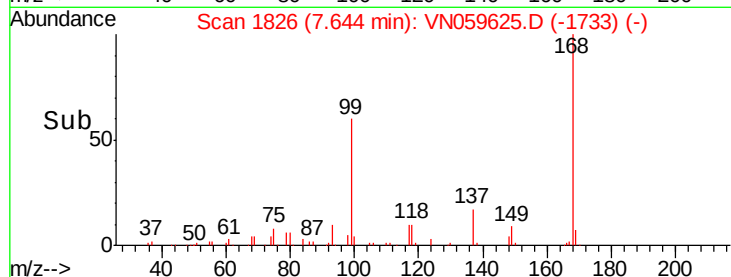
40000

20000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#16

Acetone

Concen: 4.796 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059625.D

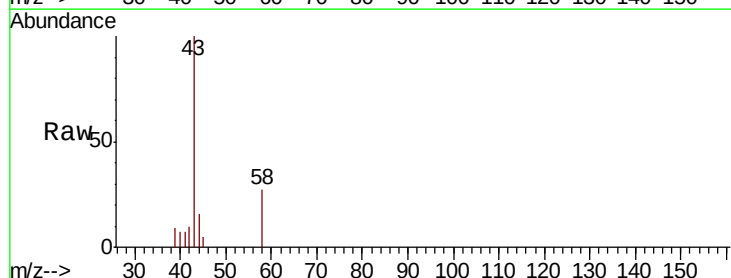
Acq: 17 Dec 2019 15:30

Tgt Ion: 43 Resp: 9265

Ion Ratio Lower Upper

43 100

58 27.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

3000

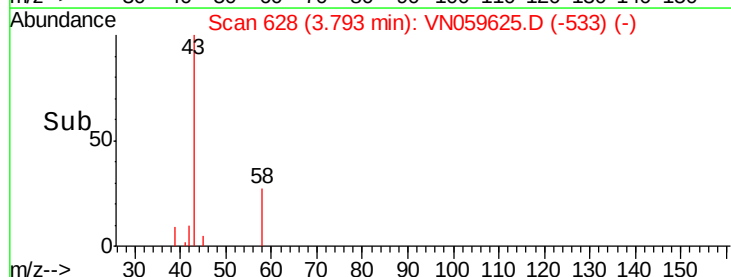
2000

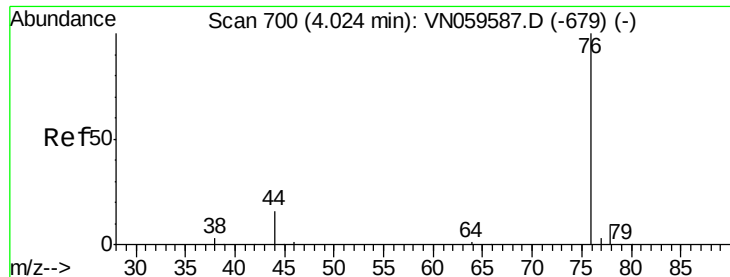
1000

0

Time-->

3.70 3.75 3.80 3.85 3.90

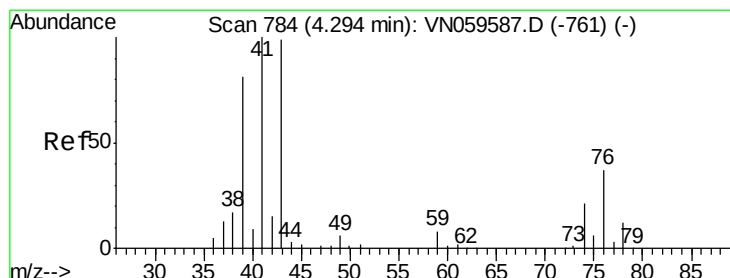
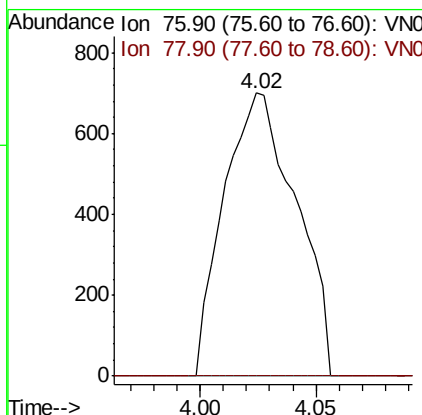
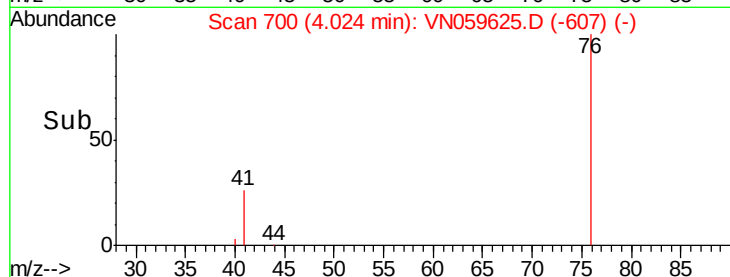
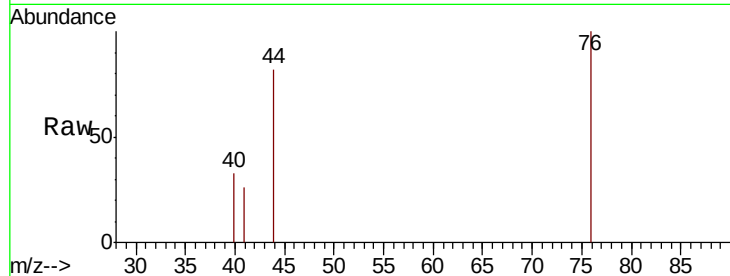




#17
 Carbon Disulfide
 Concen: 2.058 ug/l
 RT: 4.02 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: VN059625.D
 Acq: 17 Dec 2019 15:30

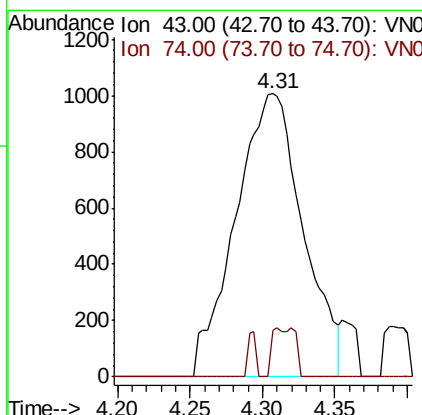
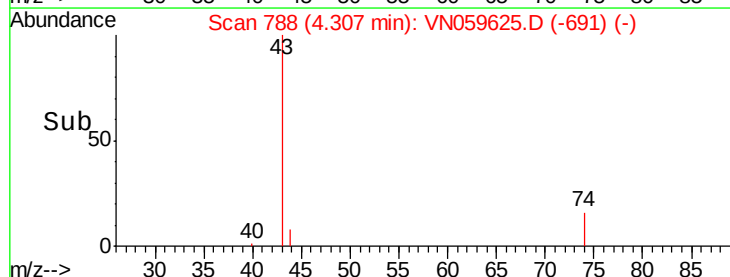
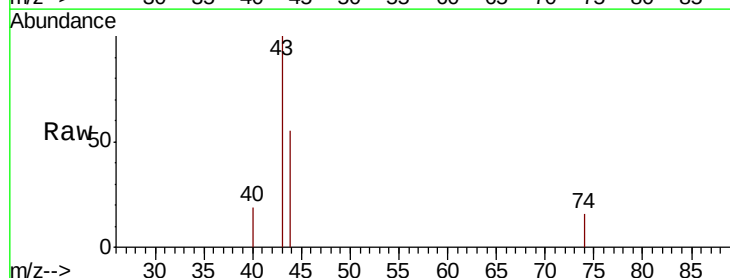
Instrument :
 MSVOA_N
 ClientSampleId :
 PB125506TB

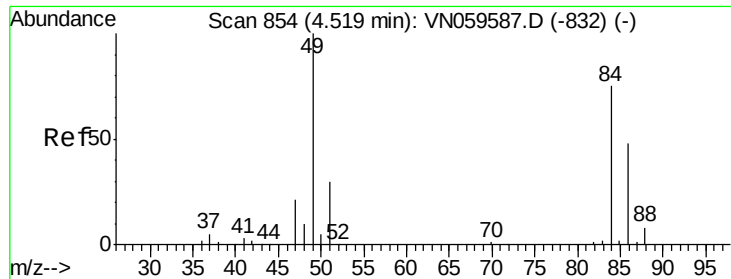
Tot Ion: 76 Resp: 1516
 Ion Ratio Lower Upper
 76 100
 78 0.0 7.4 11.0#



#18
 Methyl Acetate
 Concen: 0.805 ug/l
 RT: 4.31 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: VN059625.D
 Acq: 17 Dec 2019 15:30

Tgt Ion: 43 Resp: 3260
 Ion Ratio Lower Upper
 43 100
 74 3.9 17.5 26.3#

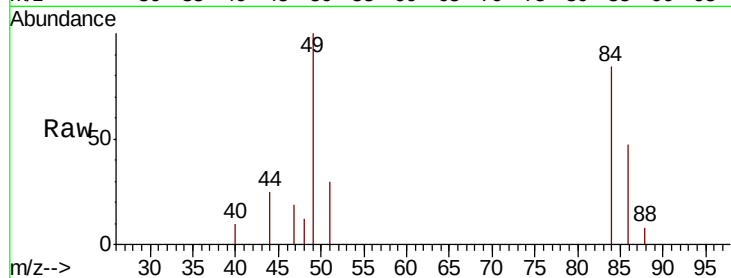




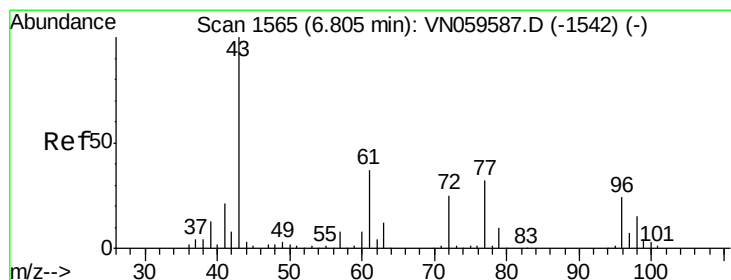
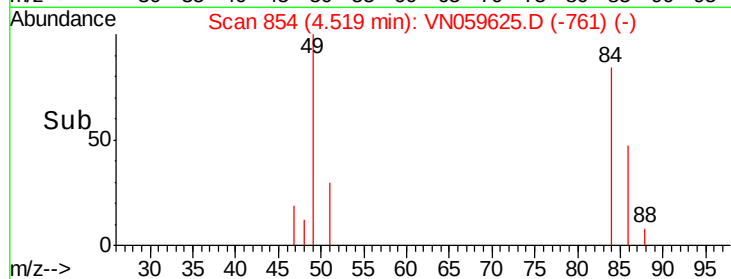
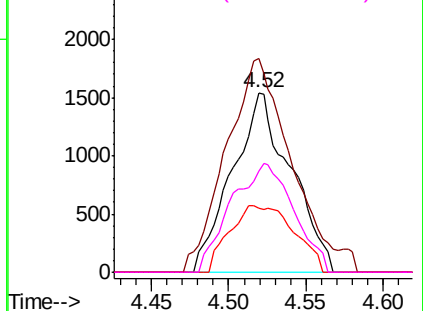
#20
Methvlene Chloride
Concen: 1.460 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059625.D
Acq: 17 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
PB125506TB

Tot Ion: 84 Resp: 4073
Ion Ratio Lower Upper
84 100
49 109.1 106.6 160.0
51 35.6 31.9 47.9
86 56.4 50.8 76.2

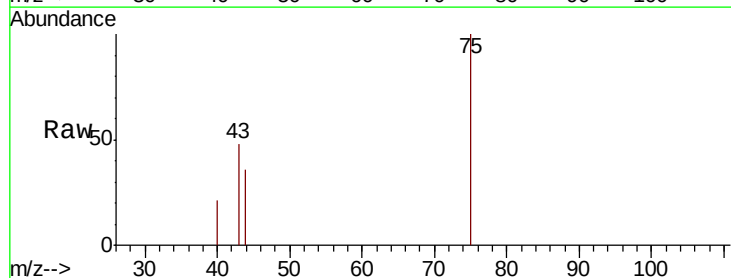


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

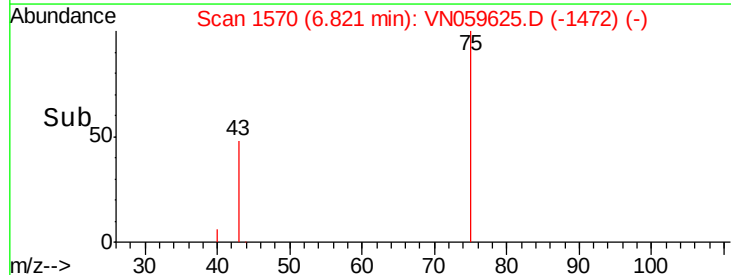
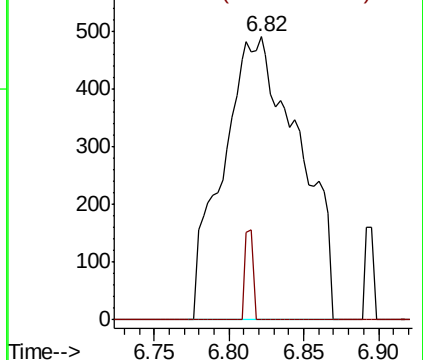


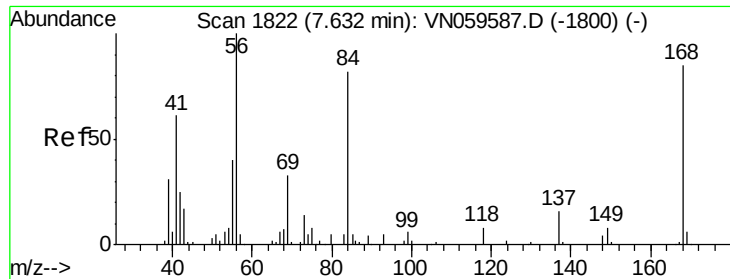
#25
2-Butanone
Concen: 0.750 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VN059625.D
Acq: 17 Dec 2019 15:30

Tgt Ion: 43 Resp: 1733
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO

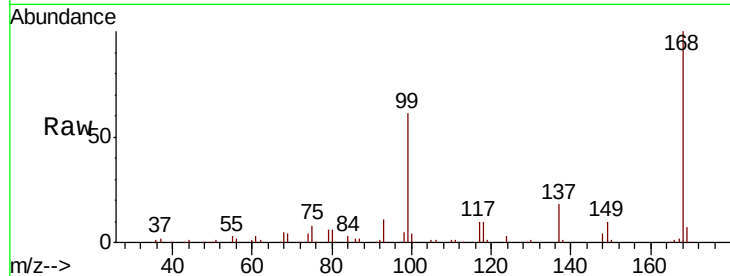




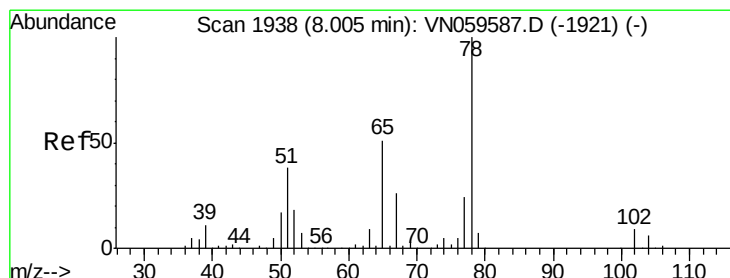
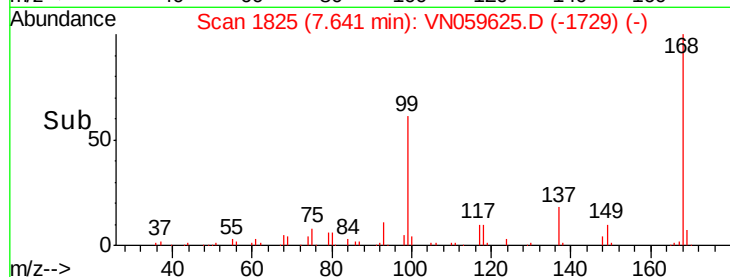
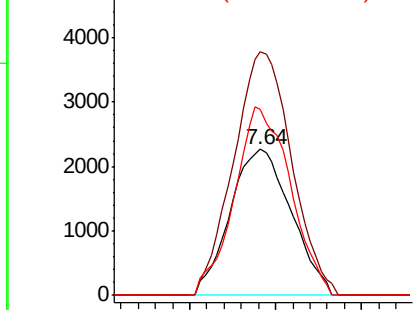
#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059625.D
Acq: 17 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
PB125506TB

Tot Ion: 56 Resp: 5607
Ion Ratio Lower Upper
56 100
69 166.7 26.5 39.7#
84 127.1 65.3 97.9#

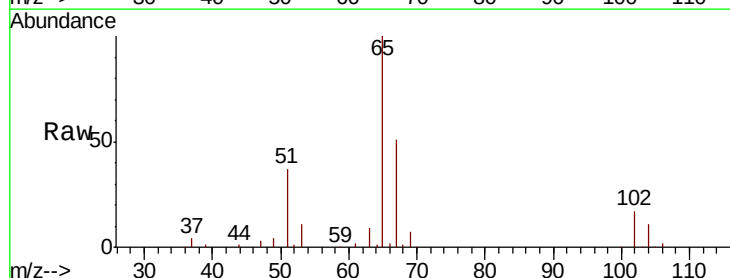


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

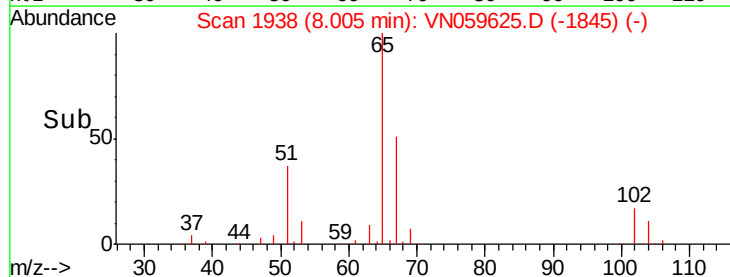
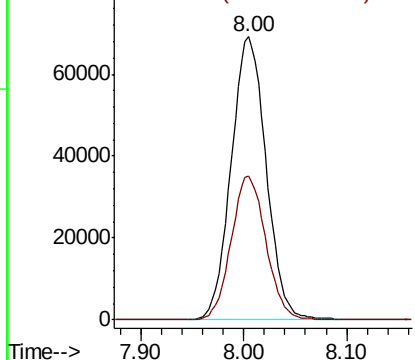


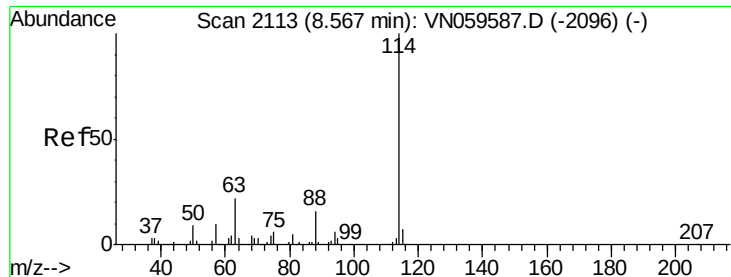
#33
1,2-Dichloroethane-d4
Concen: 50.216 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059625.D
Acq: 17 Dec 2019 15:30

Tgt Ion: 65 Resp: 163392
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
80000 Ion 66.90 (66.60 to 67.60): VN0

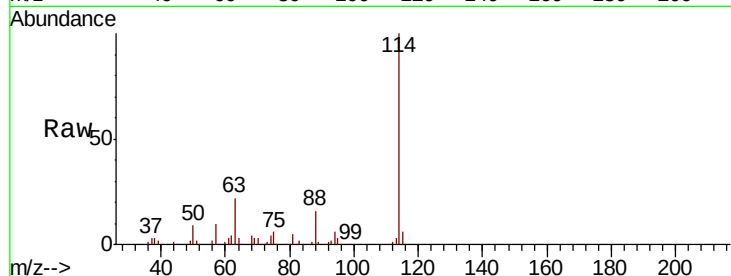




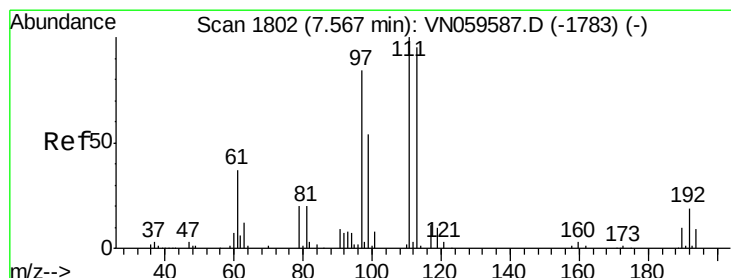
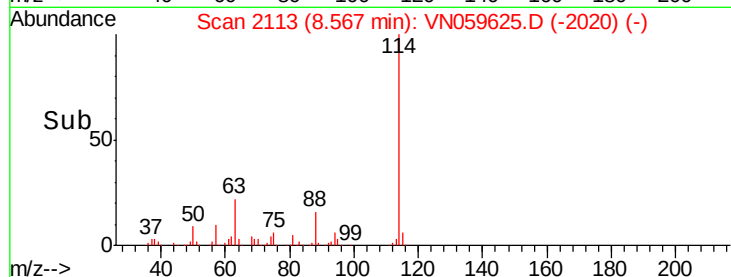
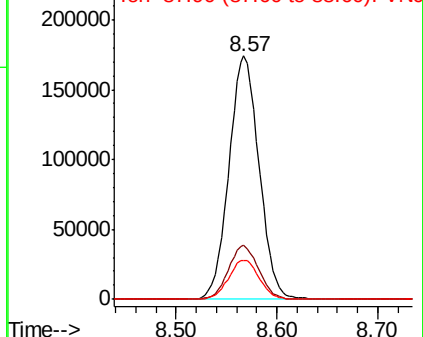
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059625.D
 Acq: 17 Dec 2019 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 PB125506TB

Tot Ion:114	Resp:	361658
Ion Ratio	Lower	Upper
114 100		
63 22.0	0.0	43.6
88 16.1	0.0	31.4

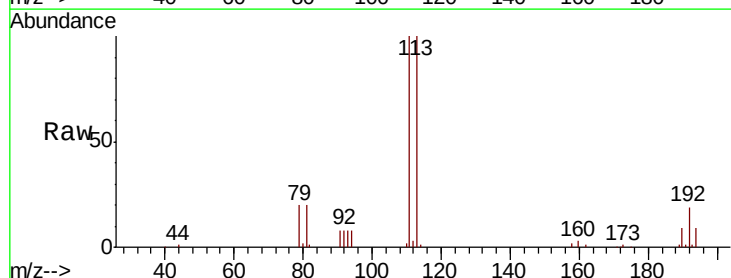


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

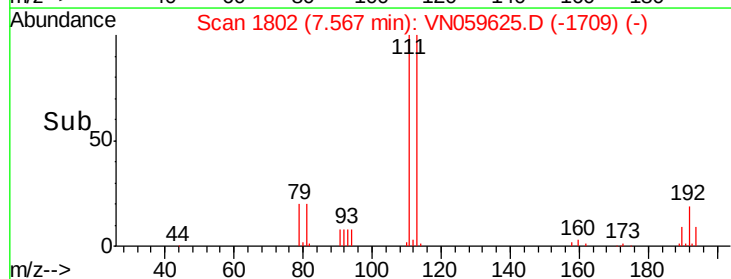
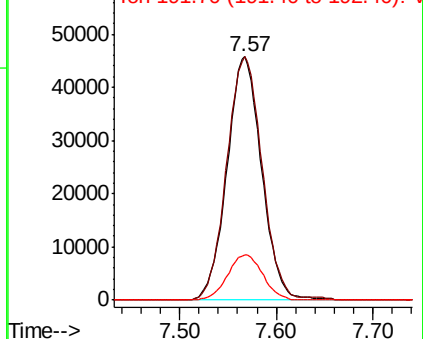


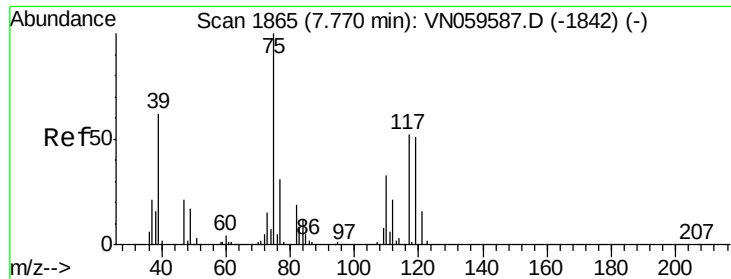
#35
 Dibromofluoromethane
 Concen: 50.247 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059625.D
 Acq: 17 Dec 2019 15:30

Tgt Ion:113	Resp:	113702
Ion Ratio	Lower	Upper
113 100		
111 101.9	83.5	125.3
192 18.8	15.4	23.2



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: 4.851 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN059625.D

Acq: 17 Dec 2019 15:30

Instrument :

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PB125506TB

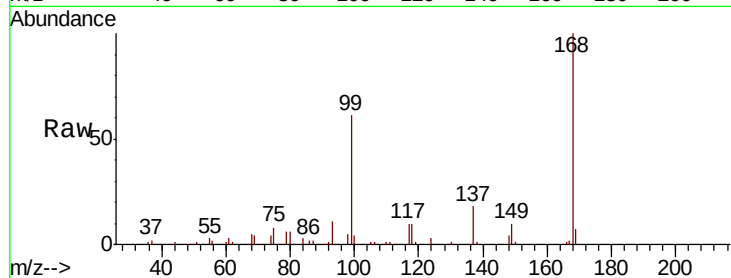
Tot Ion: 75 Resp: 18296

Ion Ratio Lower Upper

75 100

110 8.5 16.6 49.7#

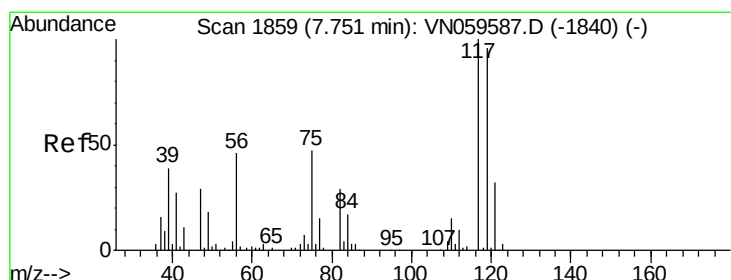
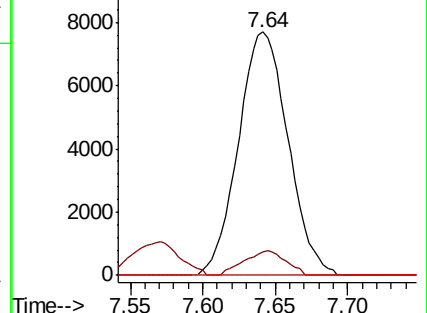
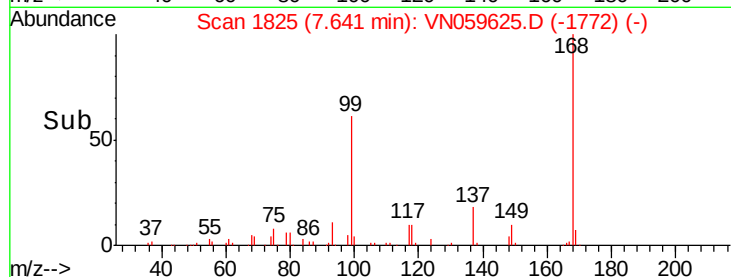
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 5.851 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059625.D

Acq: 17 Dec 2019 15:30

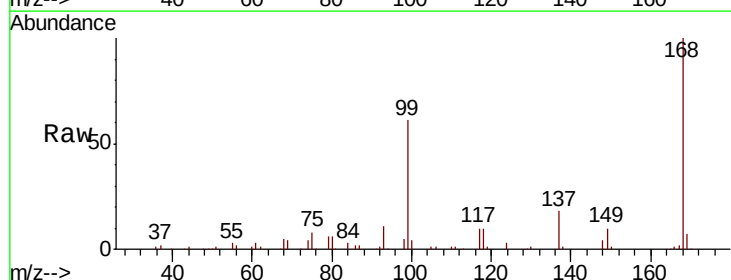
Tgt Ion: 117 Resp: 22899

Ion Ratio Lower Upper

117 100

119 6.1 76.5 114.7#

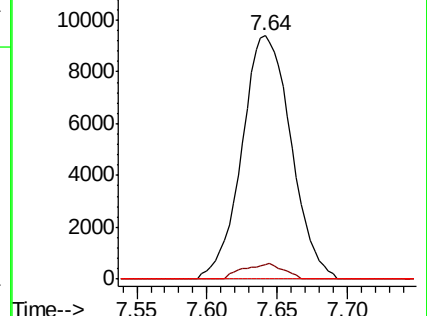
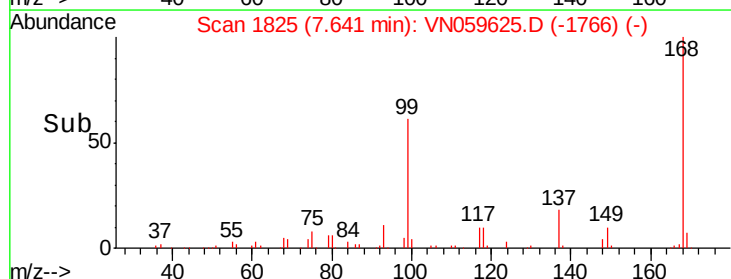
121 0.0 25.1 37.7#

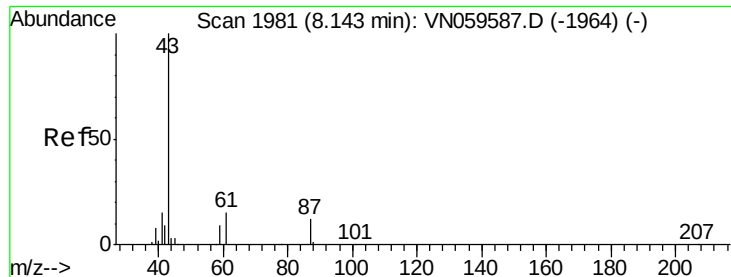


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 10.949 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059625.D

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PB125506TB

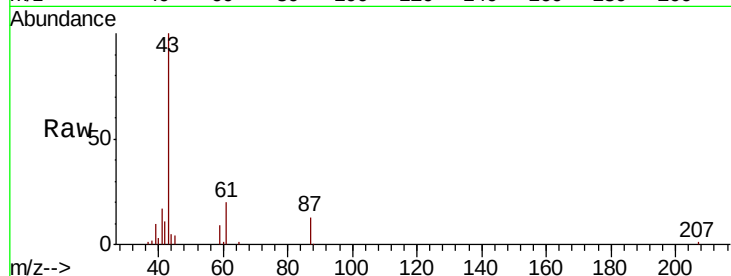
Tot Ion: 43 Resp: 74619

Ion Ratio Lower Upper

43 100

61 18.9 20.2 30.2#

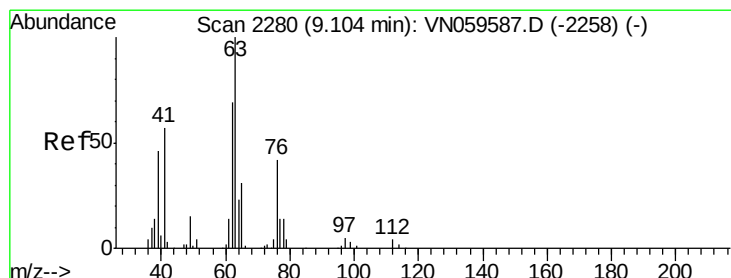
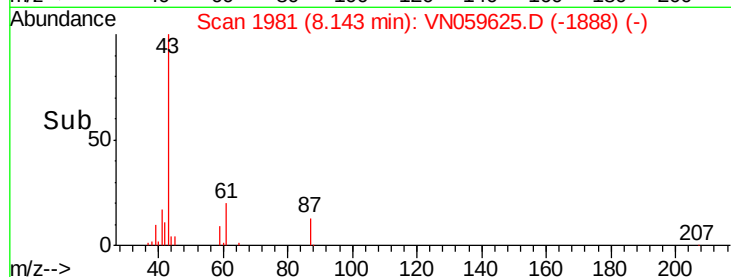
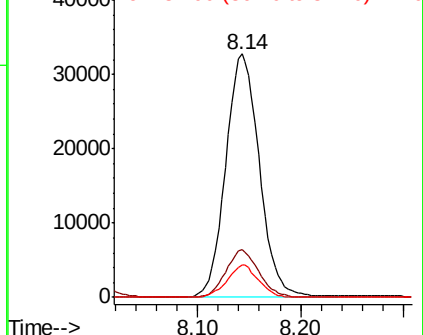
87 12.2 9.5 14.3



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: 0.549 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059625.D

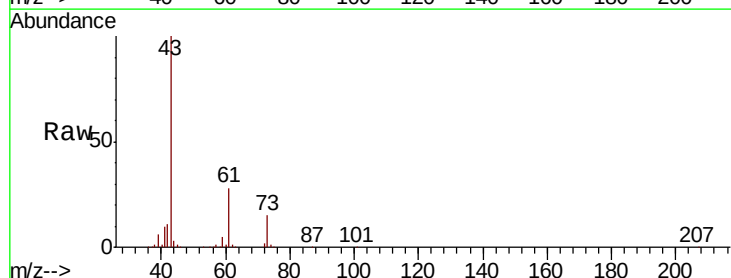
Acq: 17 Dec 2019 15:30

Tgt Ion: 63 Resp: 1635

Ion Ratio Lower Upper

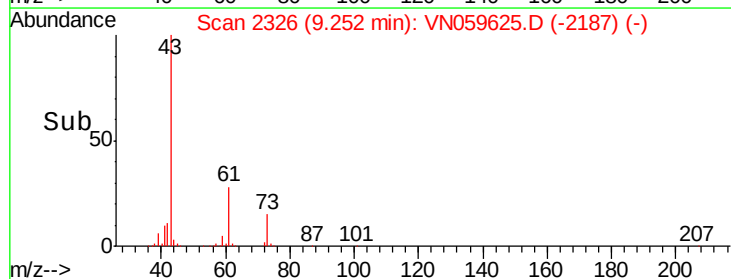
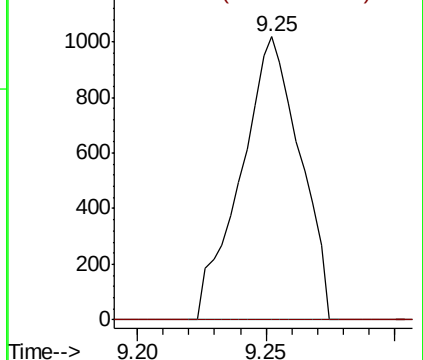
63 100

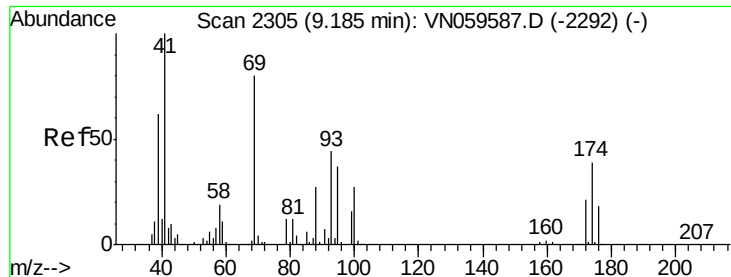
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

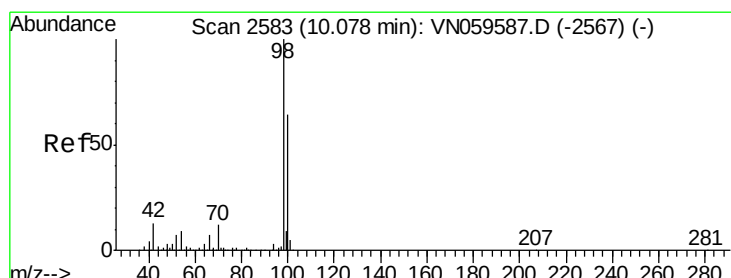
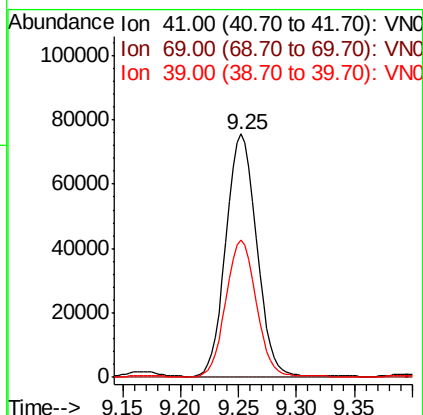
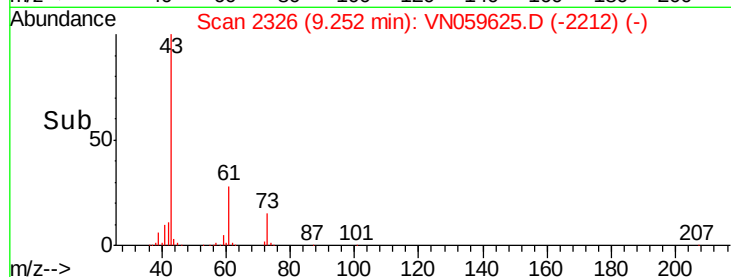
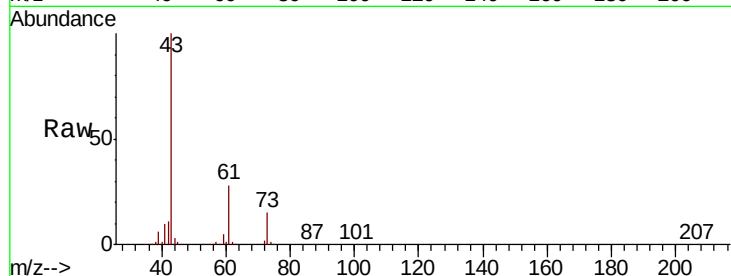




#48
Methyl methacrylate
Concen: 44.838 ug/l
RT: 9.25 min Scan# 2326
Delta R.T. 0.07 min
Lab File: VN059625.D
Acq: 17 Dec 2019 15:30

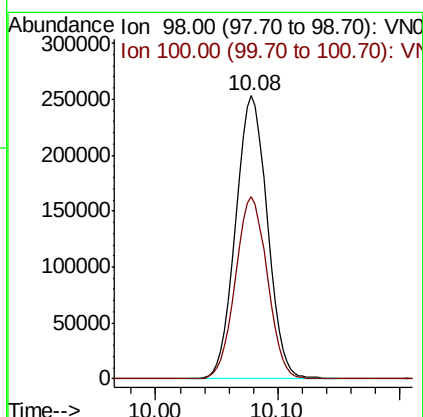
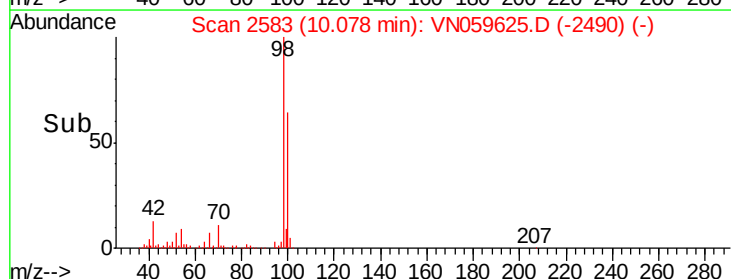
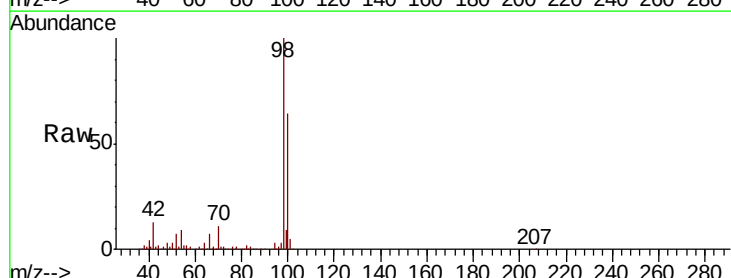
Instrument :
MSVOA_N
ClientSampleId :
PB125506TB

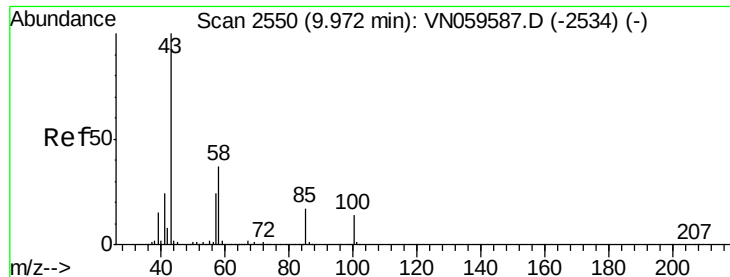
Tot Ion: 41 Resp: 138642
Ion Ratio Lower Upper
41 100
69 0.1 64.4 96.6#
39 56.6 51.3 76.9



#50
Toluene-d8
Concen: 50.859 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059625.D
Acq: 17 Dec 2019 15:30

Tgt Ion: 98 Resp: 455641
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8

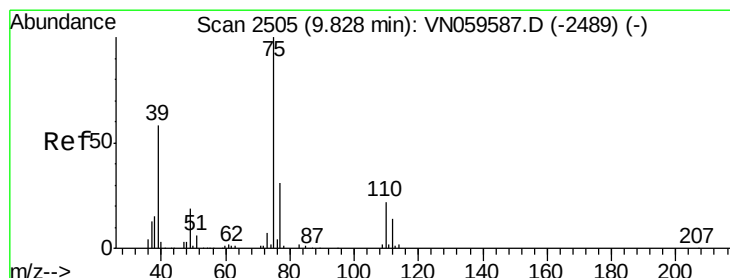
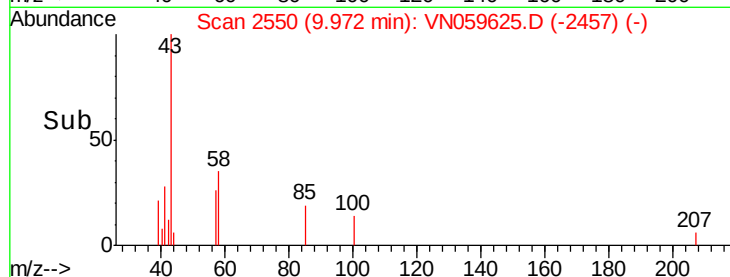
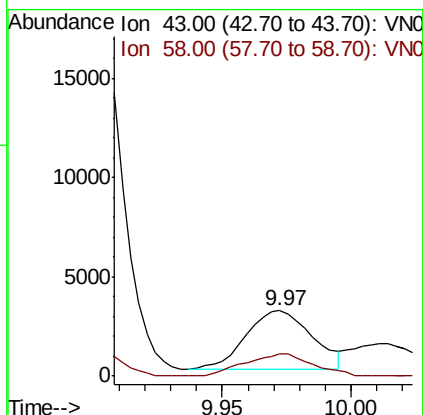
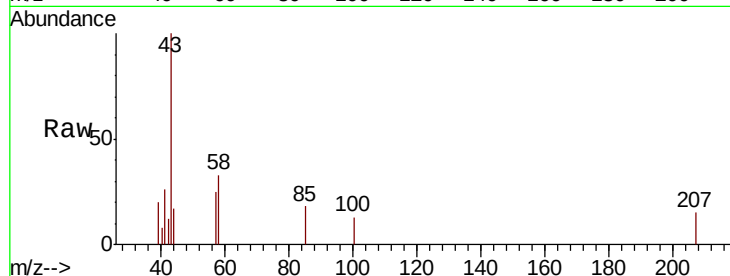




#51
 4-Methyl-2-Pentanone
 Concen: 1.307 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059625.D
 Acq: 17 Dec 2019 15:30

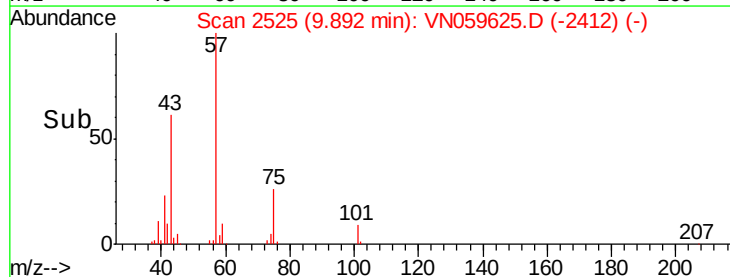
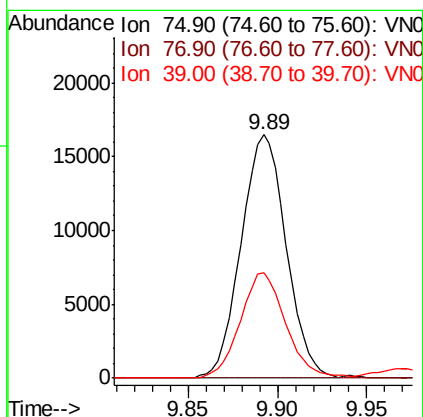
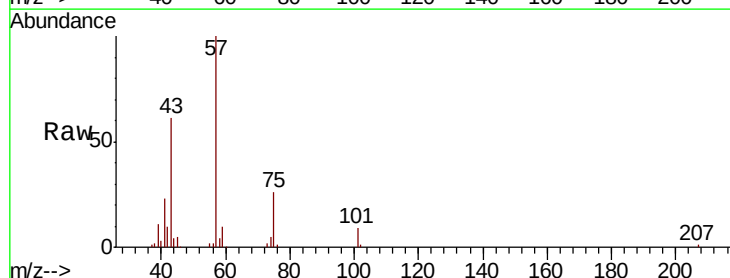
Instrument :
 MSVOA_N
 ClientSampleID :
 PB125506TB

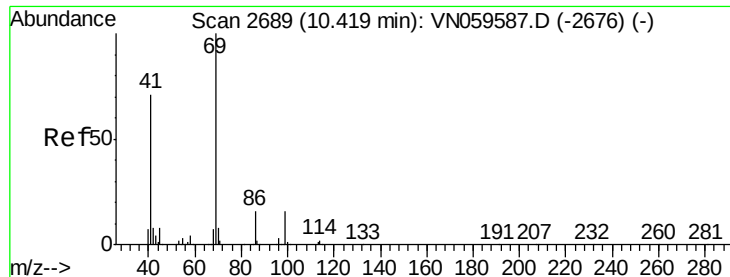
Tot Ion: 43 Resp: 5312
 Ion Ratio Lower Upper
 43 100
 58 38.7 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 6.152 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.06 min
 Lab File: VN059625.D
 Acq: 17 Dec 2019 15:30

Tgt Ion: 75 Resp: 29075
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 43.2 46.1 69.1#





#56

Ethyl methacrylate

Concen: 0.342 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.12 min

Lab File: VN059625.D

Acq: 17 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

PB125506TB

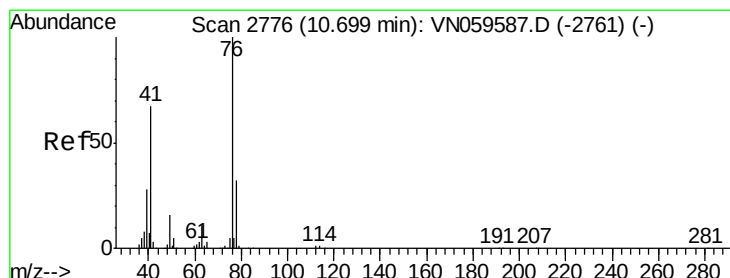
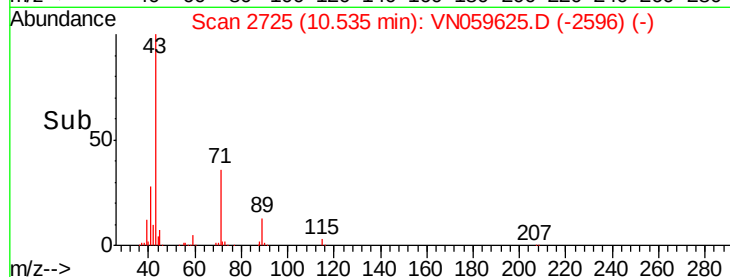
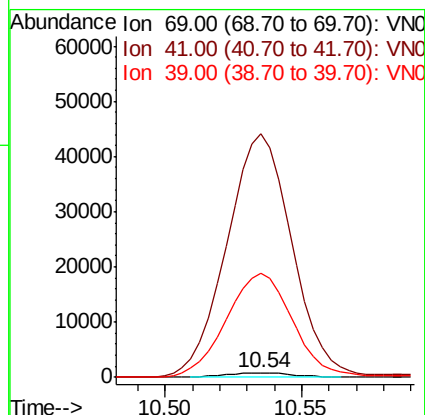
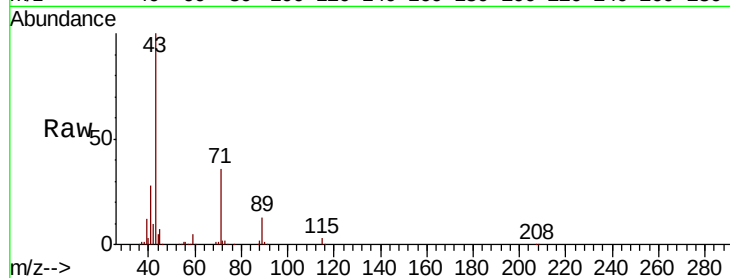
Tot Ion: 69 Resp: 1350

Ion Ratio Lower Upper

69 100

41 5488.7 57.1 85.7#

39 2374.6 34.7 52.1#



#57

1,3-Dichloropropane

Concen: 1.200 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.05 min

Lab File: VN059625.D

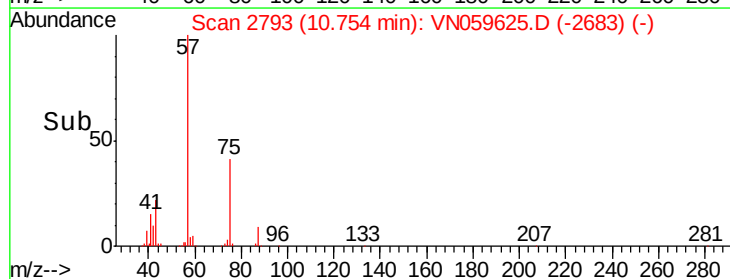
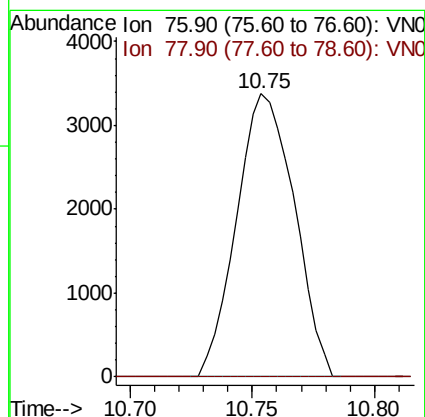
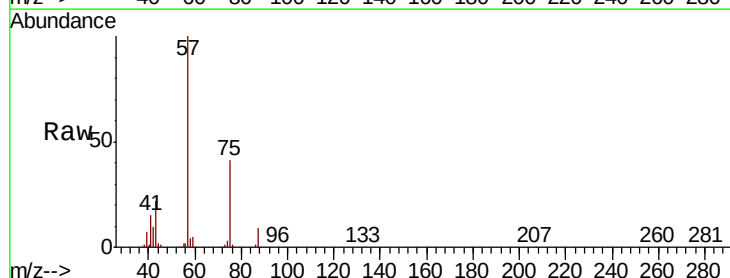
Acq: 17 Dec 2019 15:30

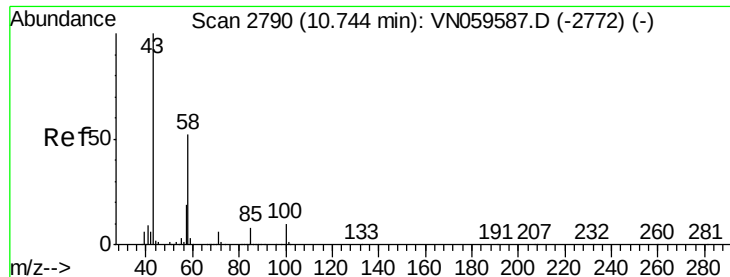
Tgt Ion: 76 Resp: 5552

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#

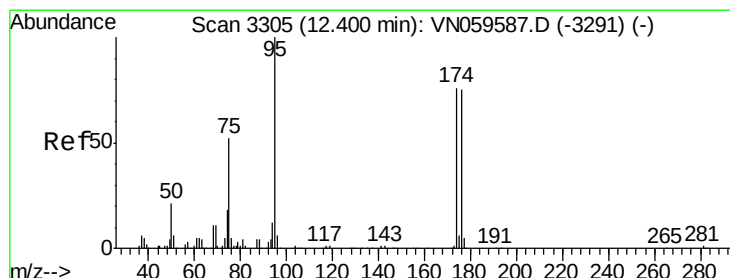
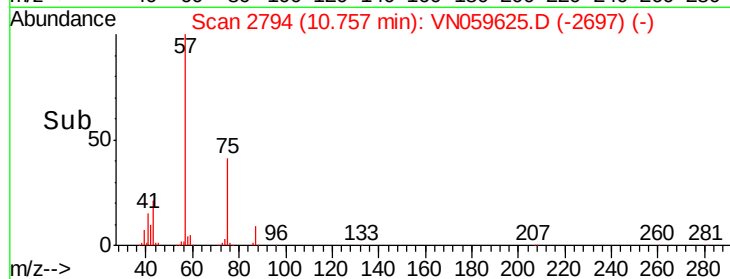
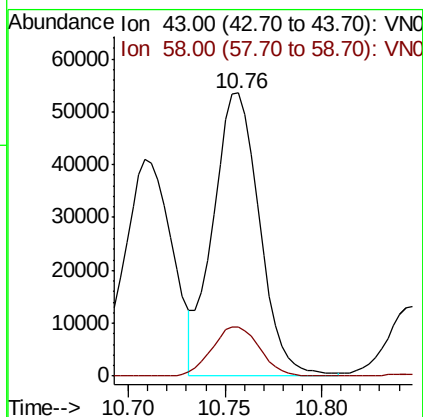
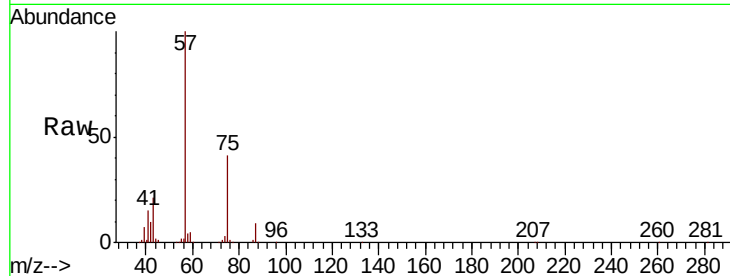




#59
2-Hexanone
Concen: 27.776 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN059625.D
Acq: 17 Dec 2019 15:30

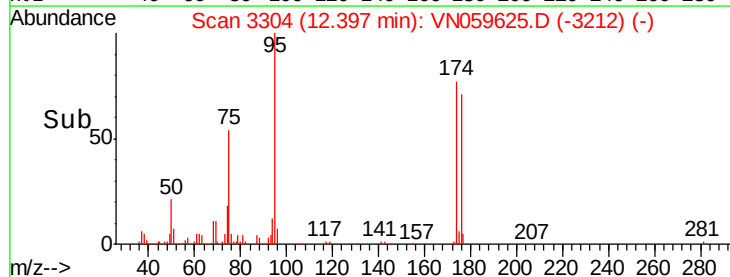
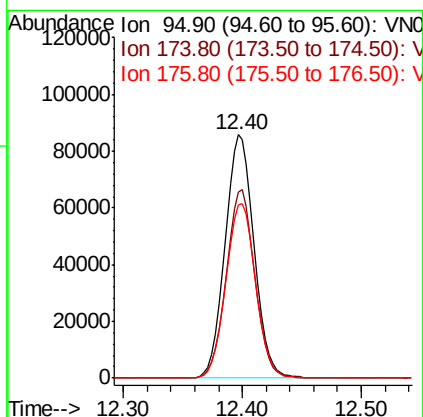
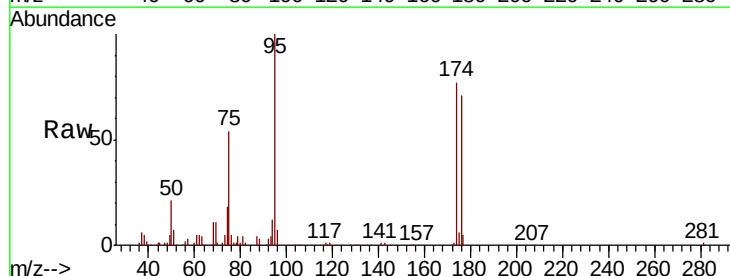
Instrument :
MSVOA_N
ClientSampled :
PB125506TB

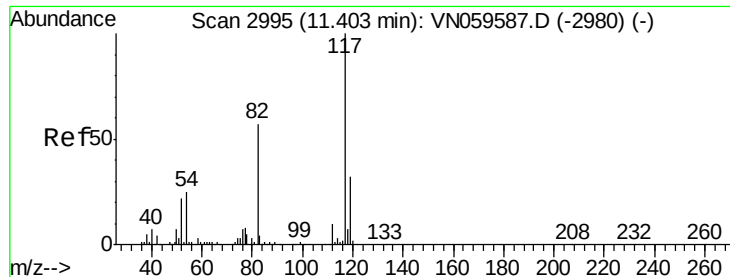
Tot Ion: 43 Resp: 88952
Ion Ratio Lower Upper
43 100
58 18.0 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 44.174 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN059625.D
Acq: 17 Dec 2019 15:30

Tgt Ion: 95 Resp: 144406
Ion Ratio Lower Upper
95 100
174 76.4 0.0 151.4
176 73.4 0.0 146.0

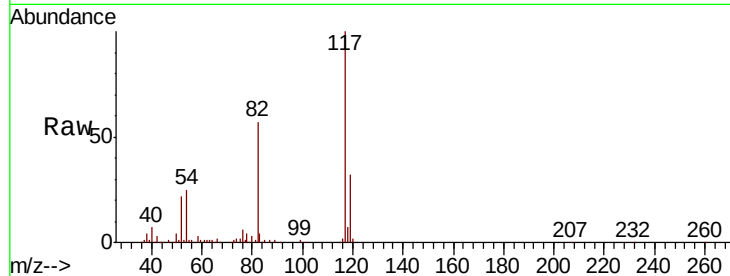




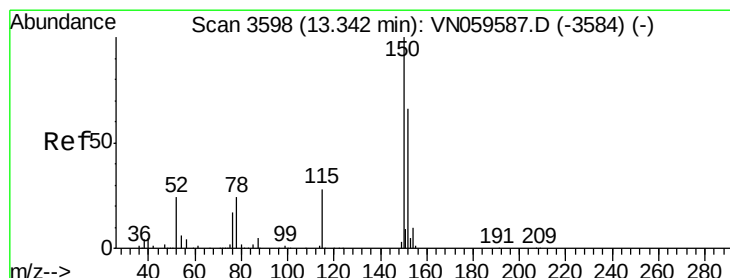
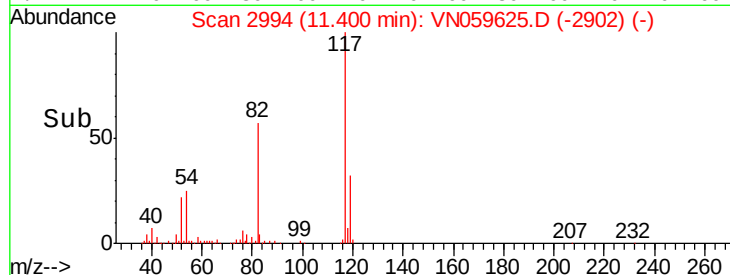
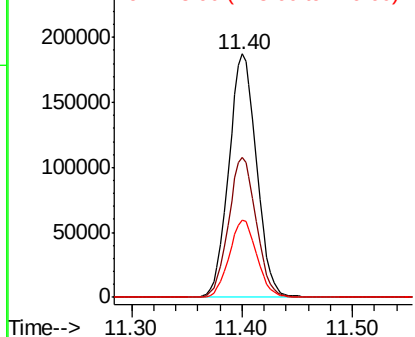
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059625.D
Acq: 17 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
PB125506TB

Tot Ion:117 Resp: 325836
Ion Ratio Lower Upper
117 100
82 57.4 45.9 68.9
119 31.7 25.5 38.3

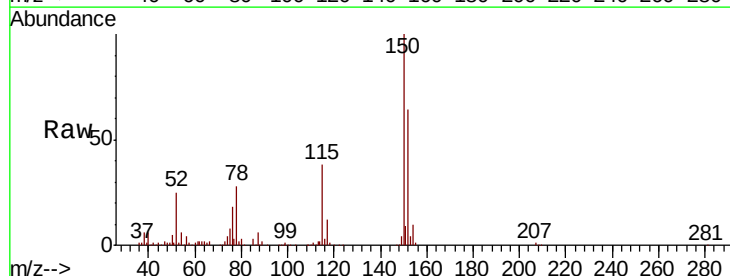


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

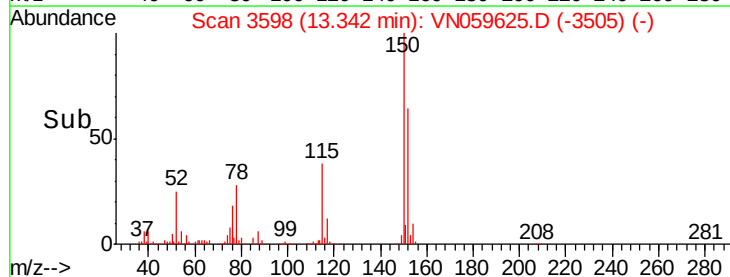
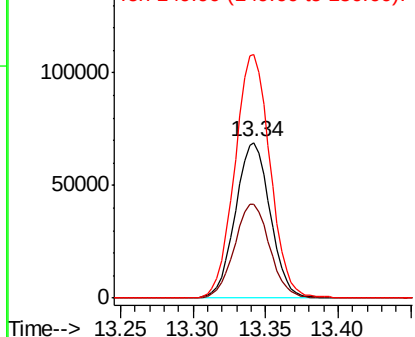


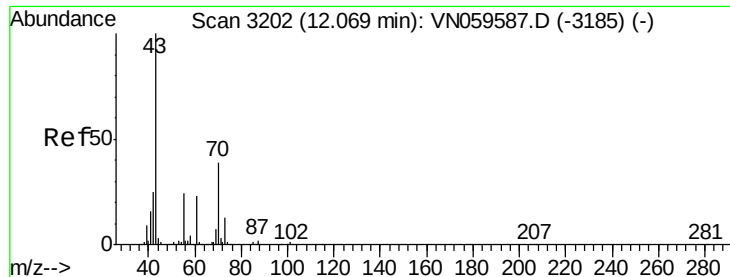
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059625.D
Acq: 17 Dec 2019 15:30

Tgt Ion:152 Resp: 115588
Ion Ratio Lower Upper
152 100
115 61.2 30.3 90.9
150 158.8 0.0 345.2



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-amvl acetate

Concen: 0.669 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059625.D

Acq: 17 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampled :

PB125506TB

Tot Ion: 43 Resp: 2784

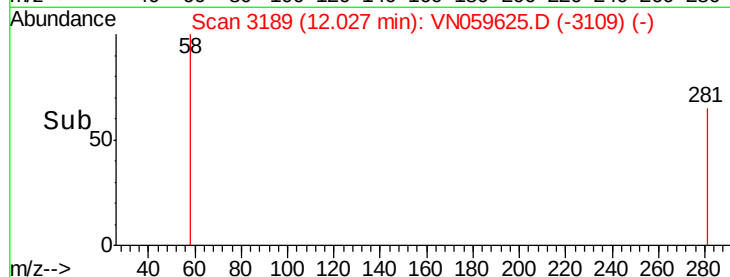
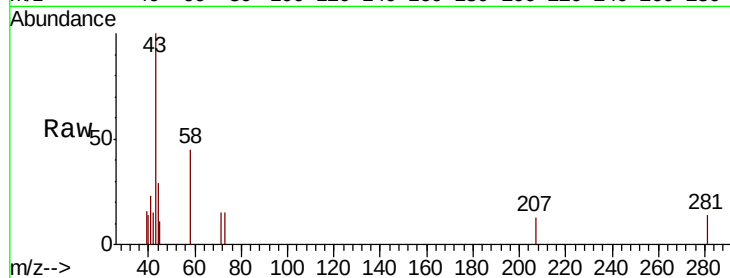
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

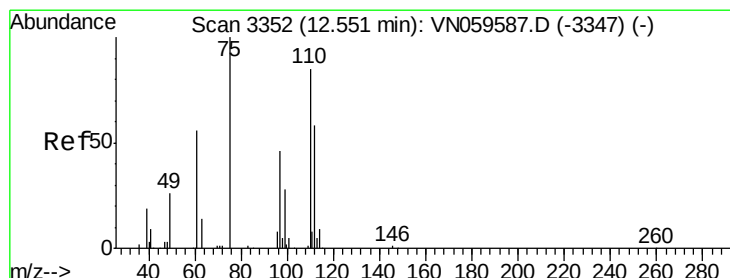
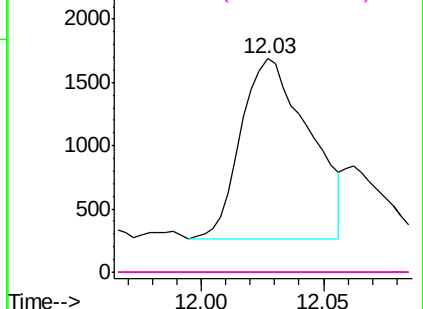


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 26.808 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059625.D

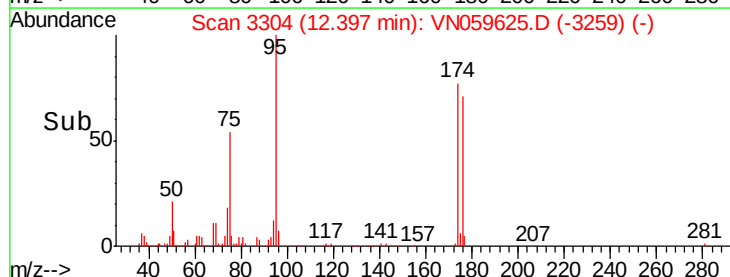
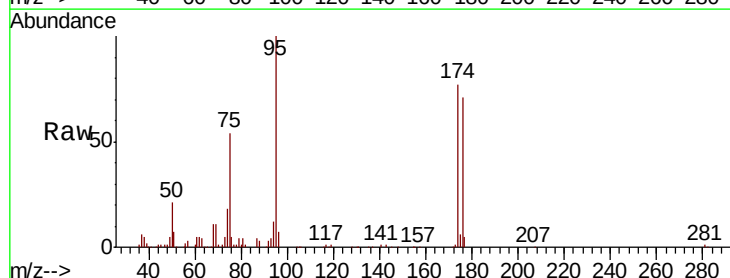
Acq: 17 Dec 2019 15:30

Tgt Ion: 75 Resp: 76711

Ion Ratio Lower Upper

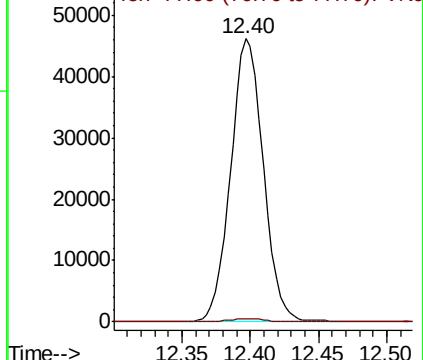
75 100

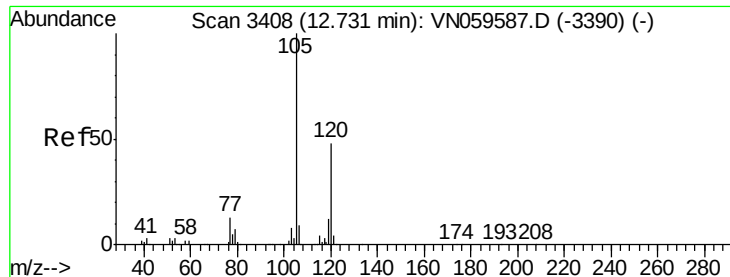
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

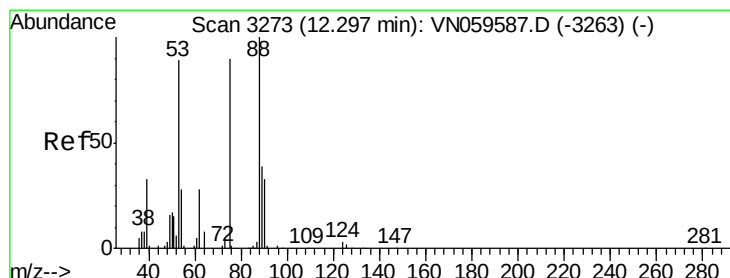
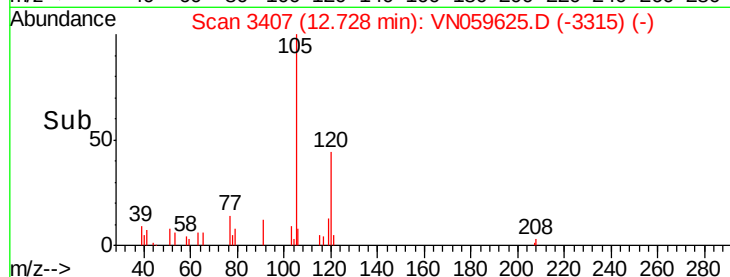
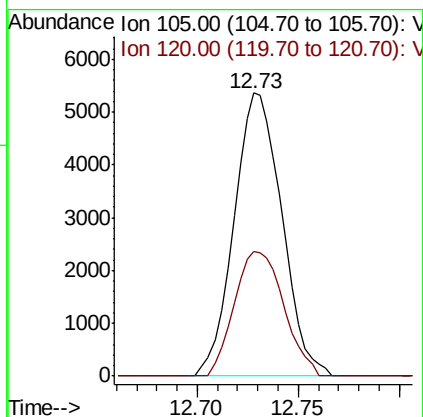
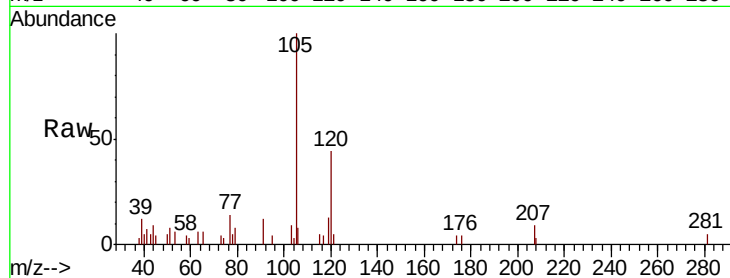




#80
 1,3,5-Trimethylbenzene
 Concen: 1.157 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN059625.D
 Acq: 17 Dec 2019 15:30

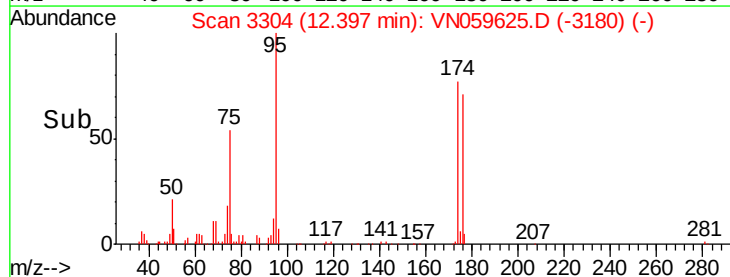
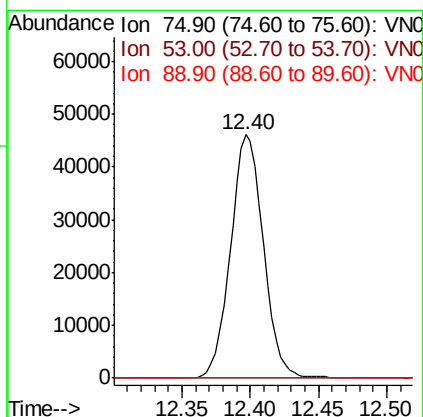
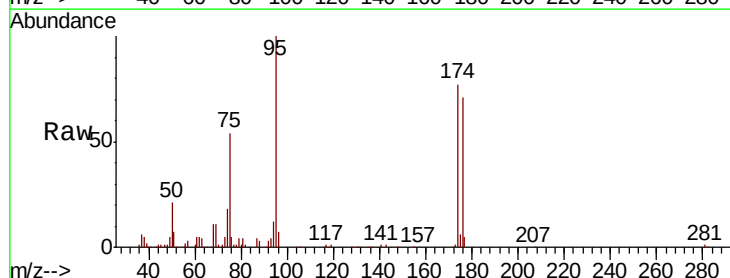
Instrument :
 MSVOA_N
 ClientSampleId :
 PB125506TB

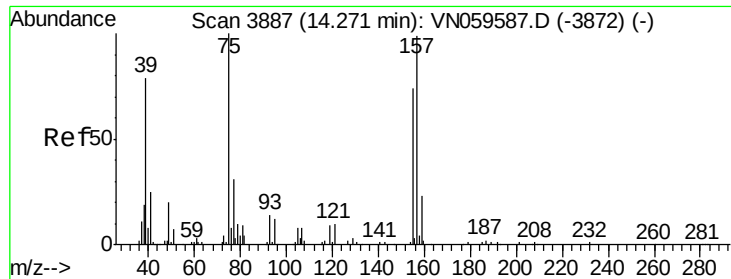
Tot Ion: 105 Resp: 8881
 Ion Ratio Lower Upper
 105 100
 120 45.6 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.214 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN059625.D
 Acq: 17 Dec 2019 15:30

Tgt Ion: 75 Resp: 76711
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.1 117.1#
 89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.929 ug/l

RT: 14.29 min Scan# 3892

Delta R.T. 0.02 min

Lab File: VN059625.D

Acq: 17 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

PB125506TB

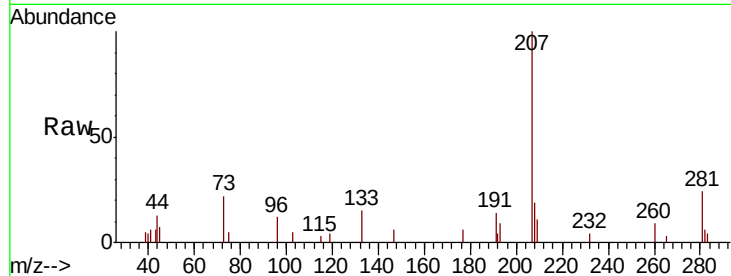
Tot Ion: 75 Resp: 255

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

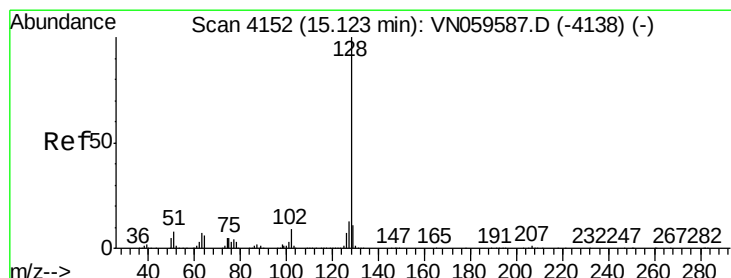
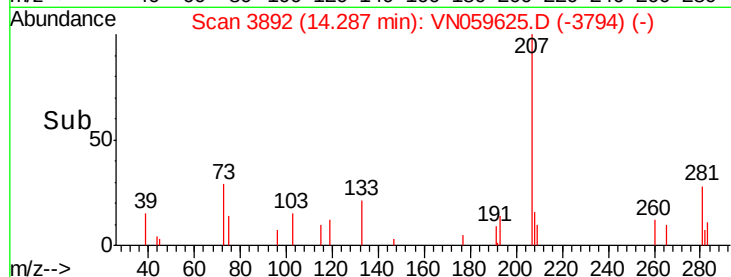
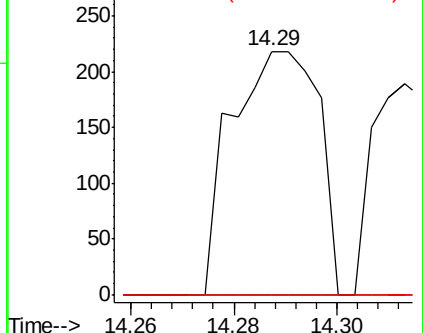
157 0.0 48.4 145.2#



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



#95

Naphthalene

Concen: 0.241 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN059625.D

Acq: 17 Dec 2019 15:30

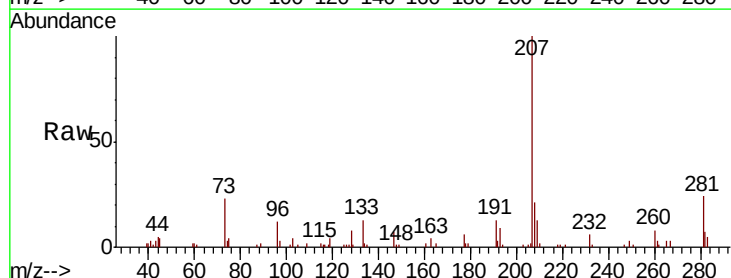
Tgt Ion: 128 Resp: 1881

Ion Ratio Lower Upper

128 100

127 11.5 10.4 15.6

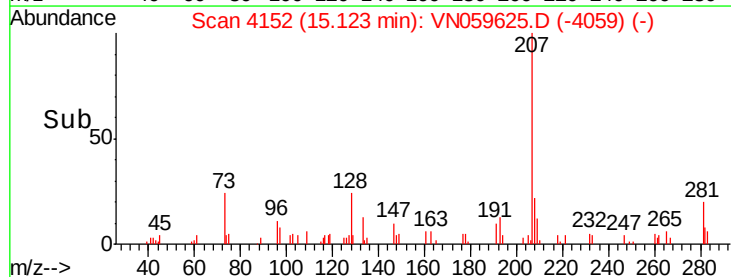
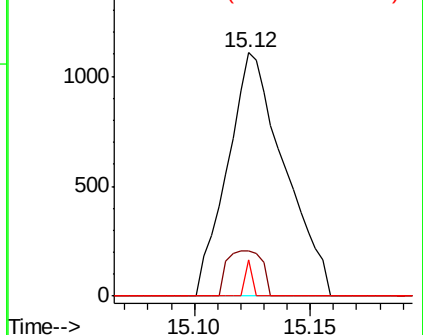
129 1.6 8.6 12.8#

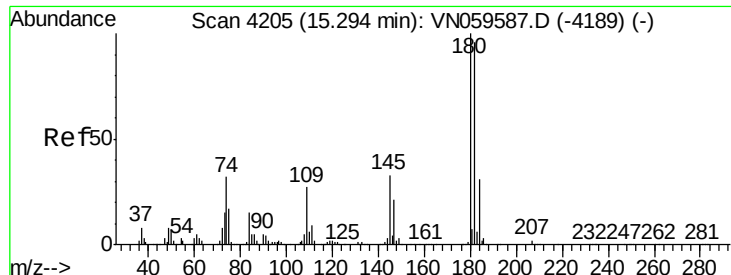


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.248 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. -0.01 min
 Lab File: VN059625.D
 Acq: 17 Dec 2019 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 PB125506TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	76.7	47.4	142.3
145	85.1	16.3	48.9#

