

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059624.D
 Acq On : 17 Dec 2019 15:08
 Operator : JC/SP
 Sample : PB125501TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB125501TB

Quant Time: Dec 18 05:47:34 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	237664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	378632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	335240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128721	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	169014	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
35) Dibromofluoromethane	7.57	113	117730	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	10.08	98	465867	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.40	95	152323	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	

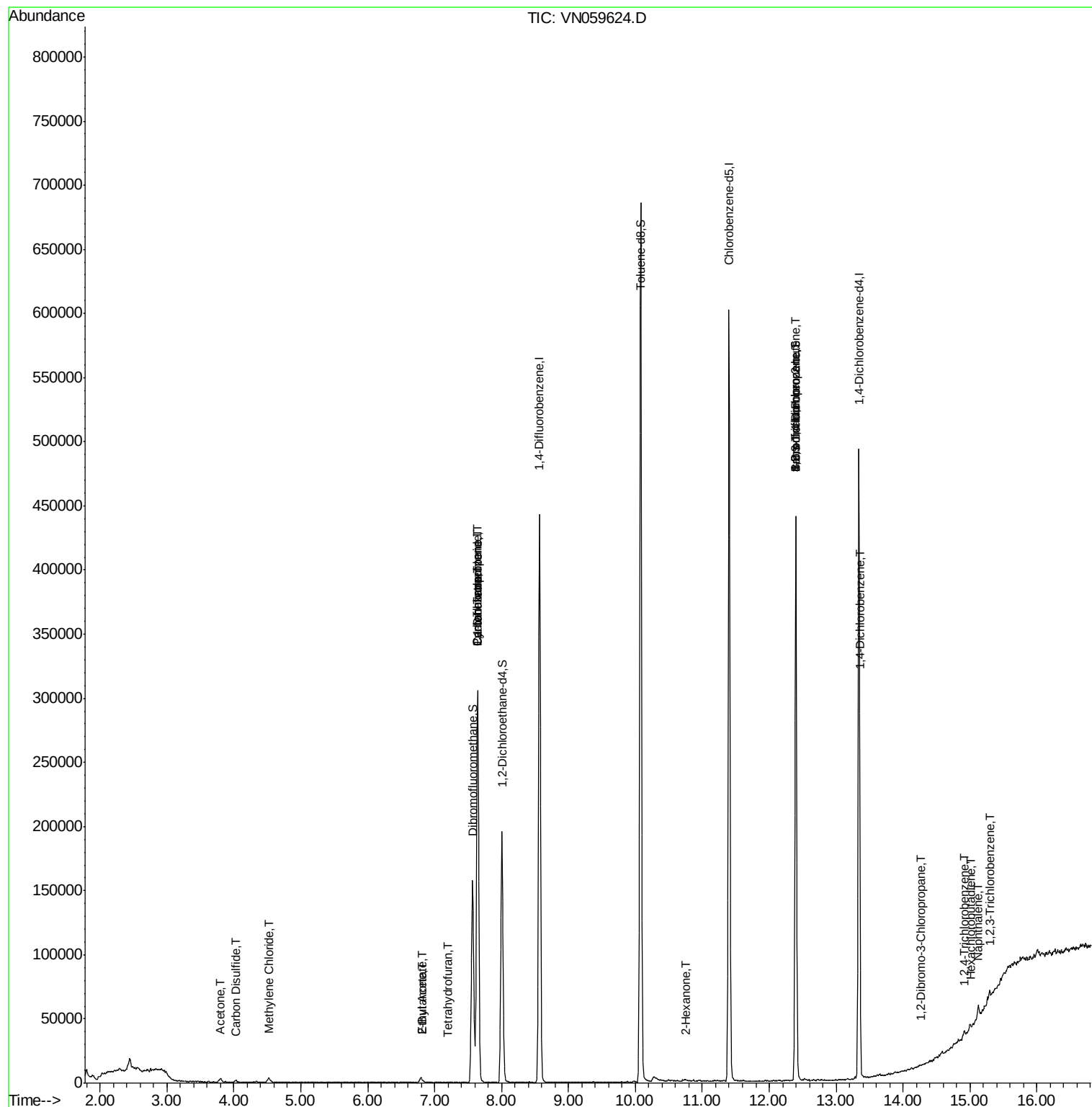
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4380	2.133	ug/l	99
17) Carbon Disulfide	4.02	76	2423	2.143	ug/l #	75
20) Methylene Chloride	4.52	84	2397	0.808	ug/l	89
25) 2-Butanone	6.82	43	1072	0.437	ug/l #	50
29) Tetrahydrofuran	7.19	42	308	0.206	ug/l #	35
31) Cyclohexane	7.64	56	5670	1.123	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	19541	4.949	ug/l #	51
37) Ethyl Acetate	6.82	43	1072	0.234	ug/l #	69
38) Carbon Tetrachloride	7.64	117	23978	5.852	ug/l #	16
59) 2-Hexanone	10.74	43	1321	0.394	ug/l #	59
71) Bromoform	12.40	173	830	0.401	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	80417	25.236	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	80417	62.331	ug/l #	11
88) 1,4-Dichlorobenzene	13.36	146	962	0.209	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.27	75	383	2.035	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.91	180	1433	0.492	ug/l	98
94) Hexachlorobutadiene	15.01	225	525	1.988	ug/l #	74
95) Naphthalene	15.13	128	7088	0.816	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	1958	0.665	ug/l	85

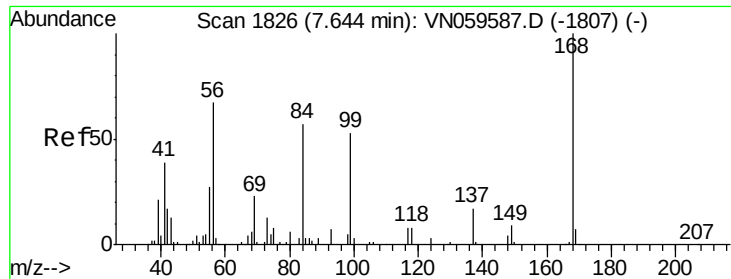
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 18 05:47:34 2019
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# 1825

Delta R.T. -0.00 min

Lab File: VN059624.D

Acq: 17 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleID :

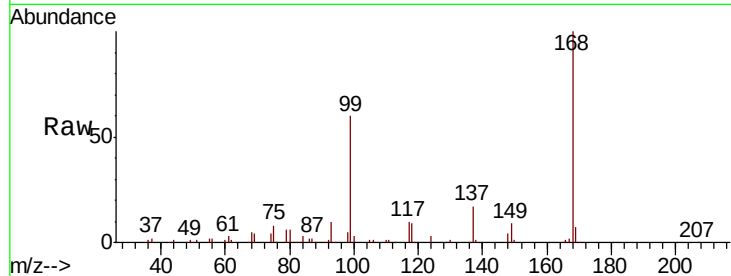
PB125501TB

Tot Ion:168 Resp: 237664

Ion Ratio Lower Upper

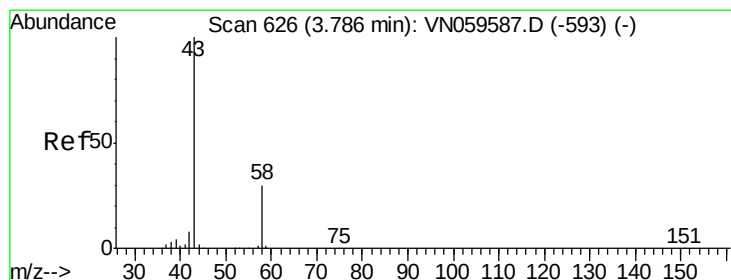
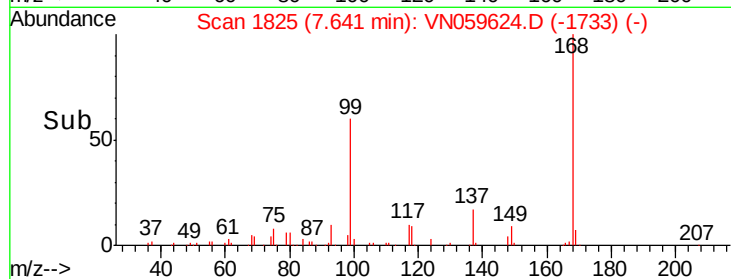
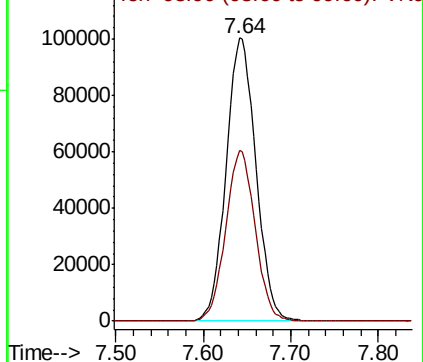
168 100

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



#16

Acetone

Concen: 2.133 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059624.D

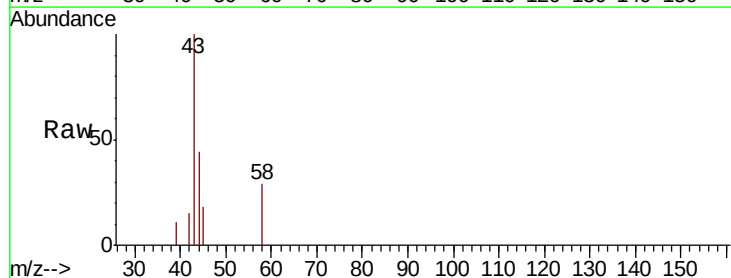
Acq: 17 Dec 2019 15:08

Tgt Ion: 43 Resp: 4380

Ion Ratio Lower Upper

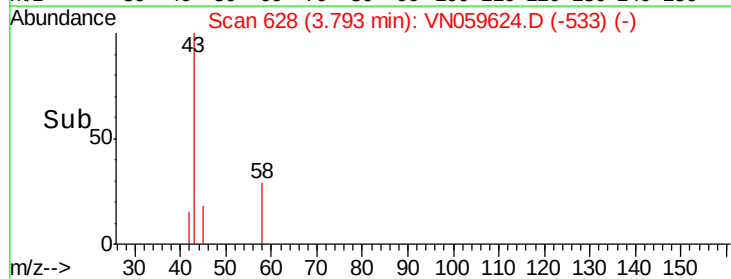
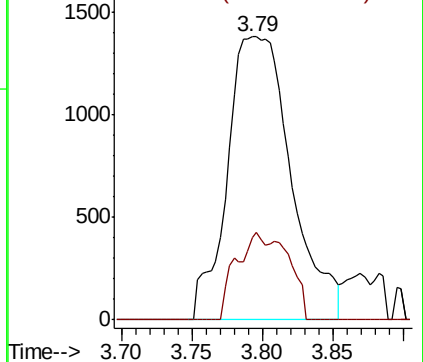
43 100

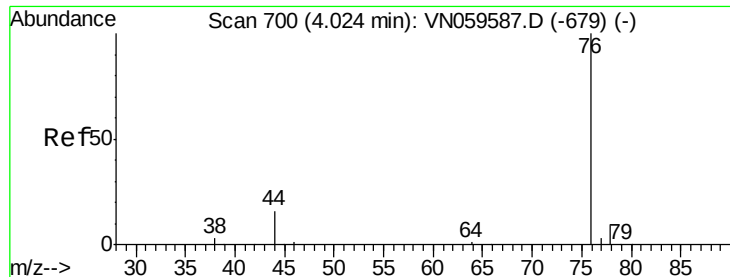
58 29.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#17

Carbon Disulfide

Concen: 2.143 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.00 min

Lab File: VN059624.D

Acq: 17 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

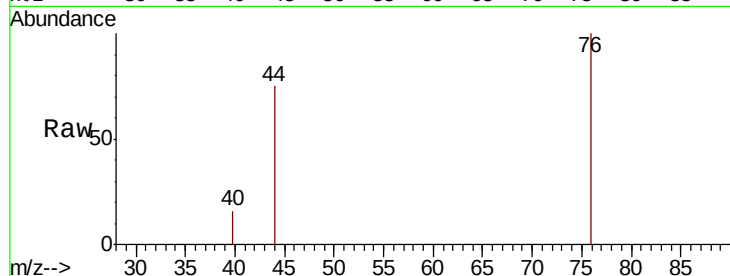
PB125501TB

Tot Ion: 76 Resp: 2423

Ion Ratio Lower Upper

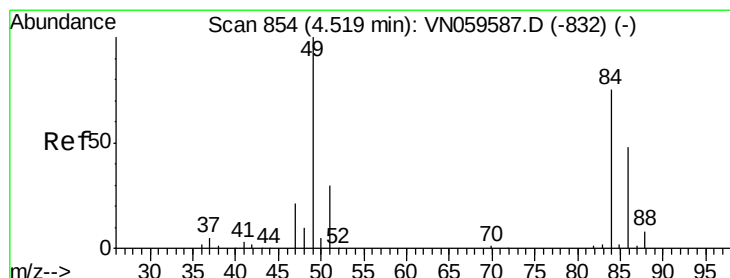
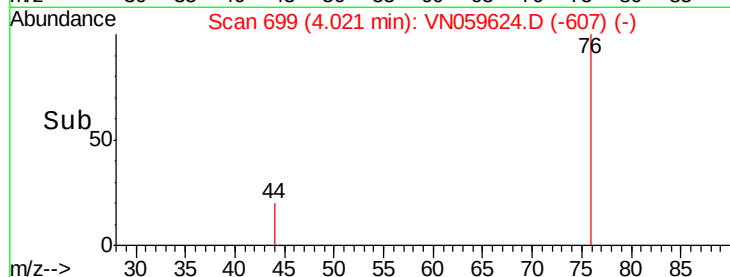
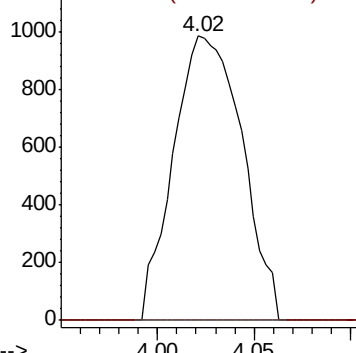
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#20

Methylene Chloride

Concen: 0.808 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059624.D

Acq: 17 Dec 2019 15:08

Tgt Ion: 84 Resp: 2397

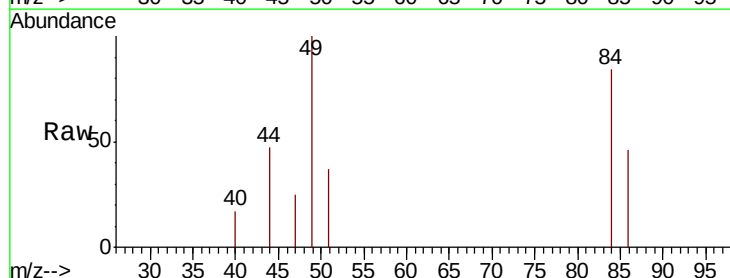
Ion Ratio Lower Upper

84 100

49 119.2 106.6 160.0

51 44.2 31.9 47.9

86 54.9 50.8 76.2

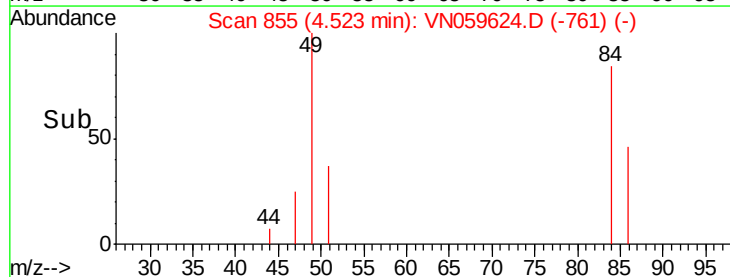
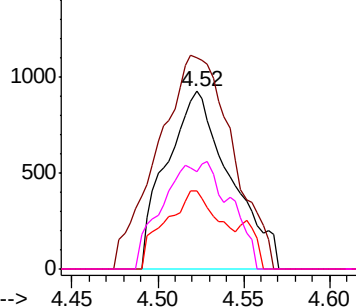


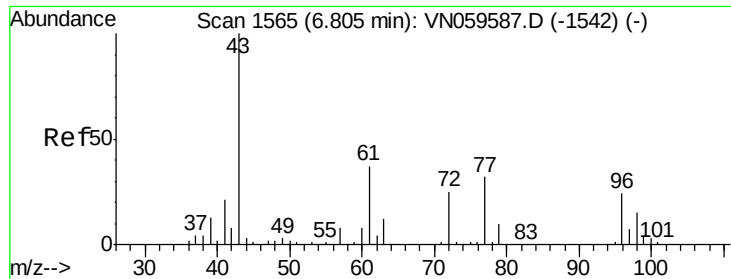
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

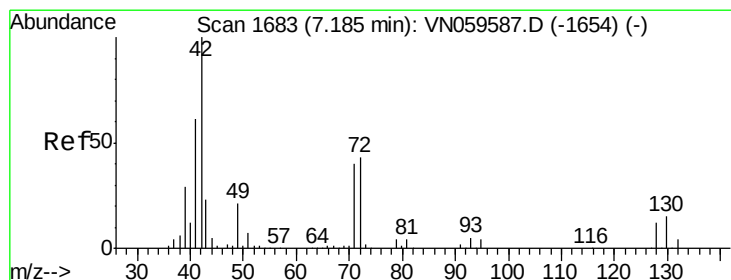
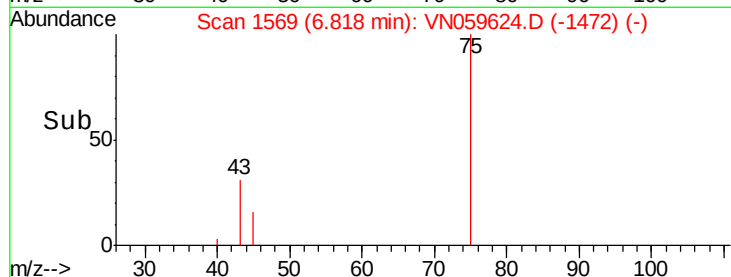
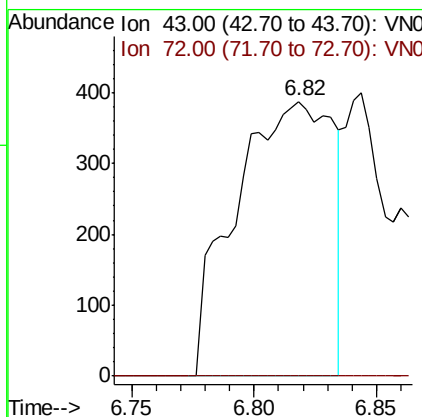
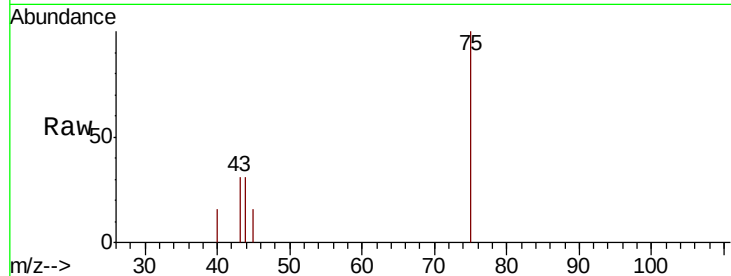




#25
2-Butanone
Concen: 0.437 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN059624.D
Acq: 17 Dec 2019 15:08

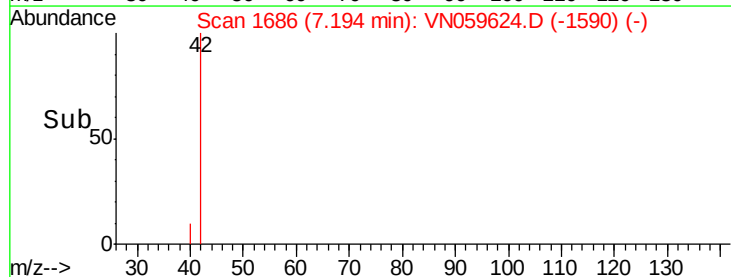
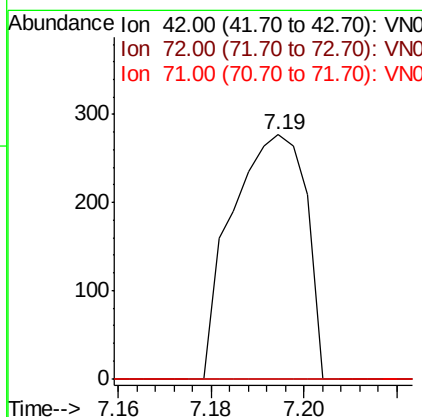
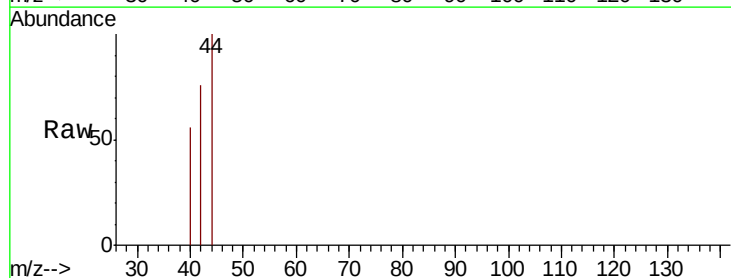
Instrument :
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ClientSampled :
PB125501TB

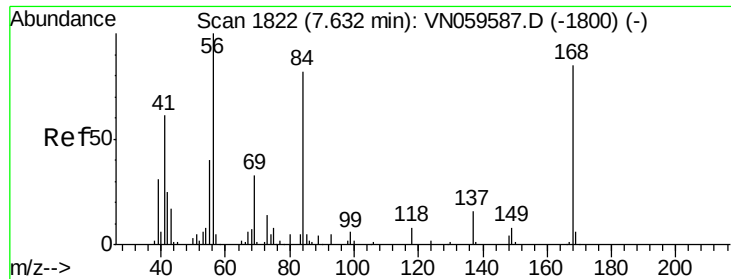
Tot Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#29
Tetrahydrofuran
Concen: 0.206 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VN059624.D
Acq: 17 Dec 2019 15:08

Tgt Ion: 42 Resp: 308
Ion Ratio Lower Upper
42 100
72 0.0 33.1 49.7#
71 0.0 31.4 47.0#

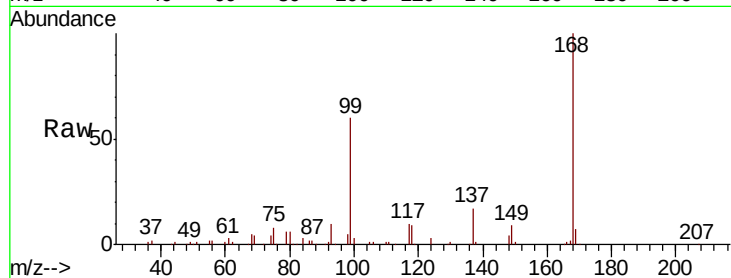




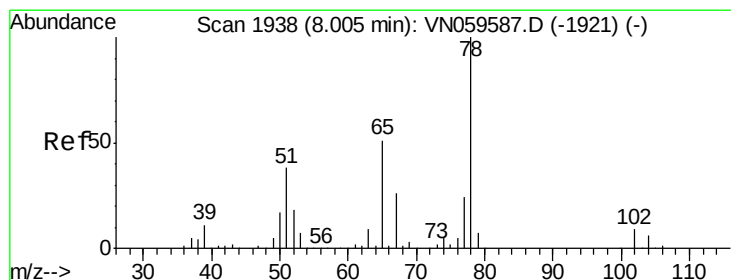
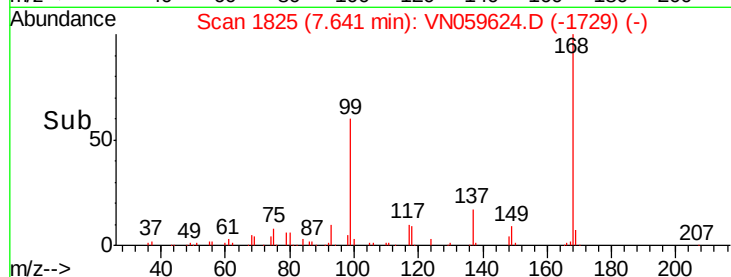
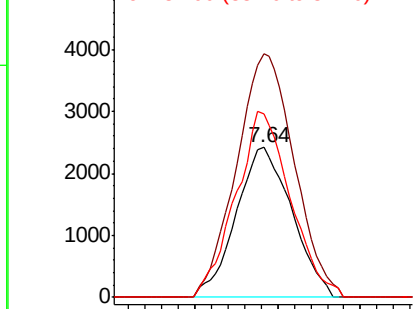
#31
Cyclohexane
Concen: 1.123 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059624.D
Acq: 17 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
PB125501TB

Tot Ion: 56 Resp: 5670
Ion Ratio Lower Upper
56 100
69 162.4 26.5 39.7#
84 122.6 65.3 97.9#

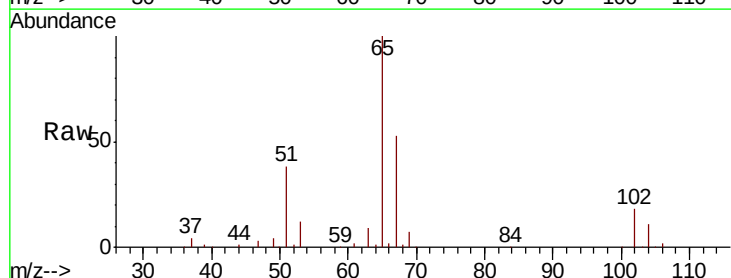


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

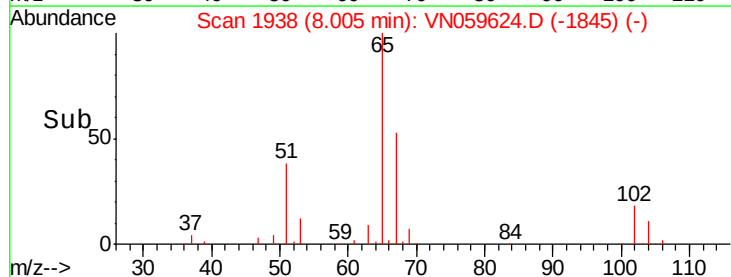
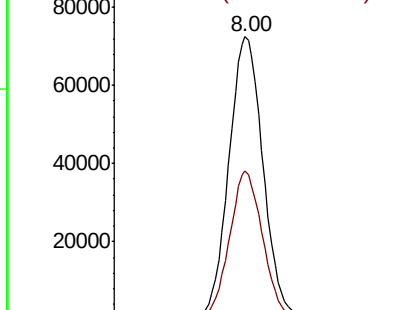


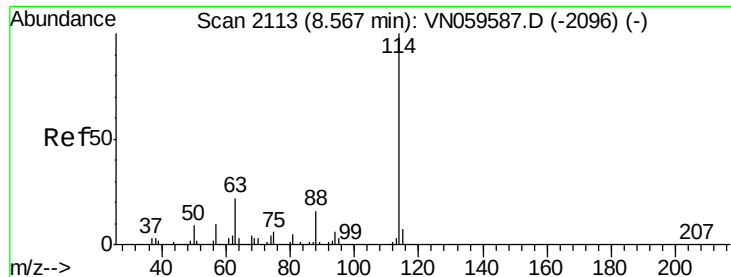
#33
1,2-Dichloroethane-d4
Concen: 48.871 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059624.D
Acq: 17 Dec 2019 15:08

Tgt Ion: 65 Resp: 169014
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0



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

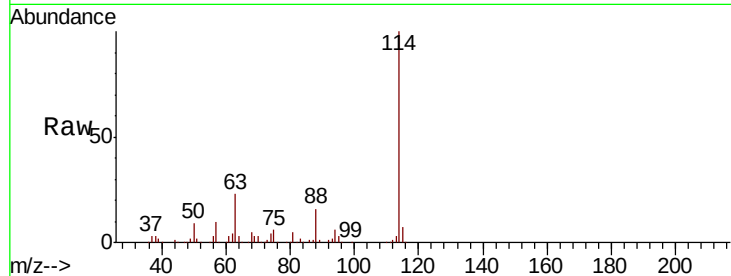




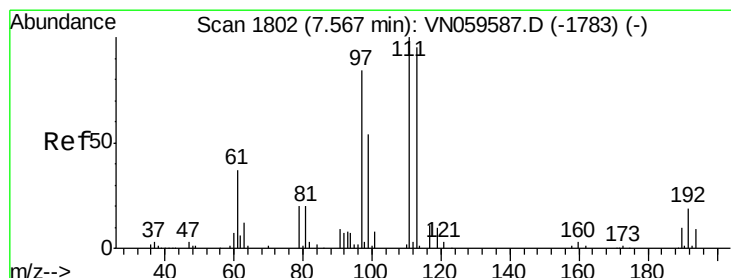
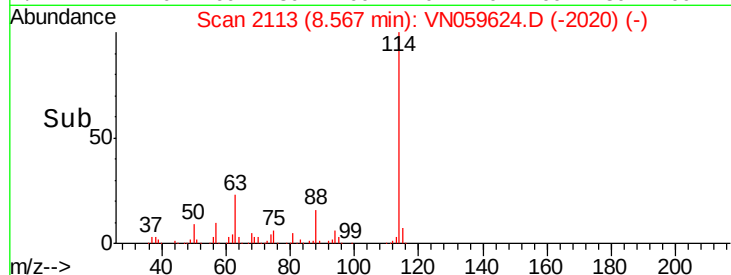
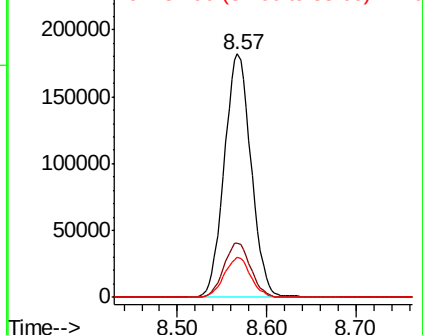
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059624.D
 Acq: 17 Dec 2019 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB125501TB

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	43.6
88	16.3	0.0	31.4

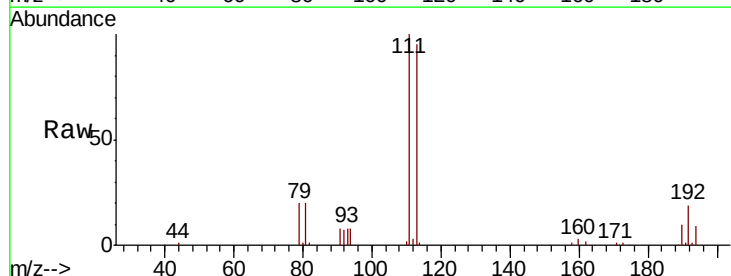


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

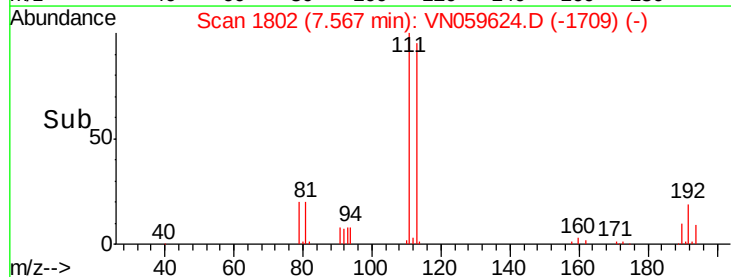
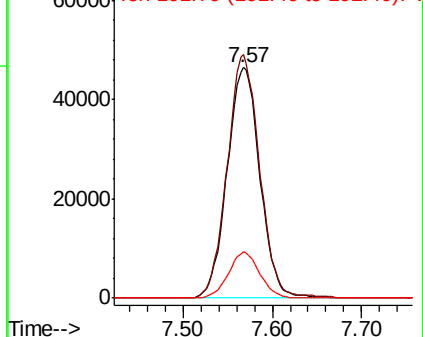


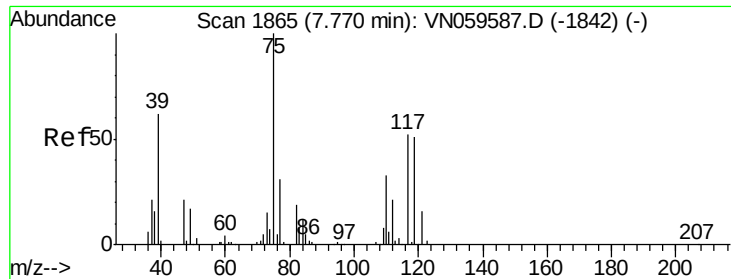
#35
 Dibromofluoromethane
 Concen: 49.695 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059624.D
 Acq: 17 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.5	125.3
192	19.0	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

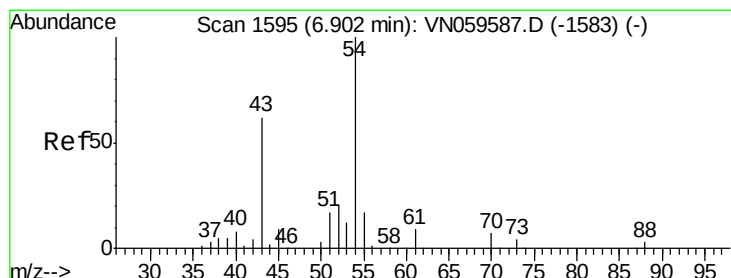
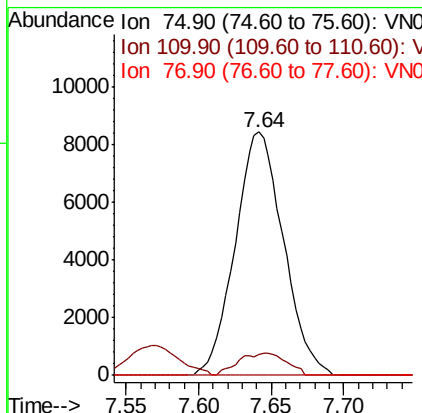
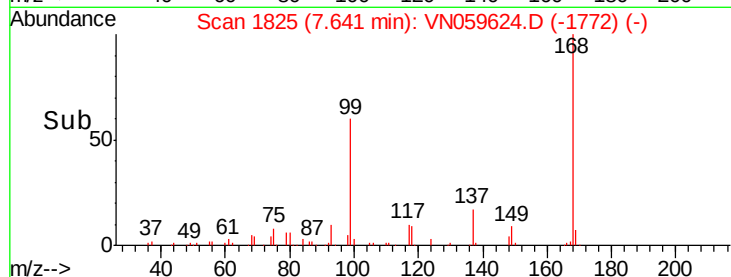
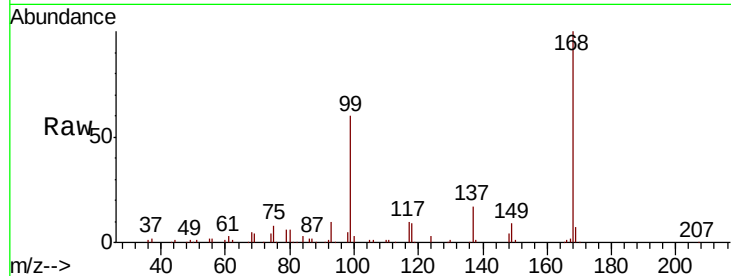




#36
 1,1-Dichloropropene
 Concen: 4.949 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059624.D
 Acq: 17 Dec 2019 15:08

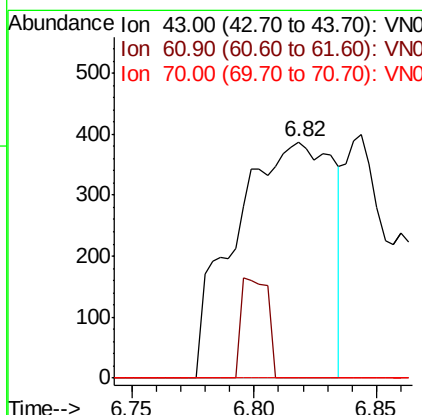
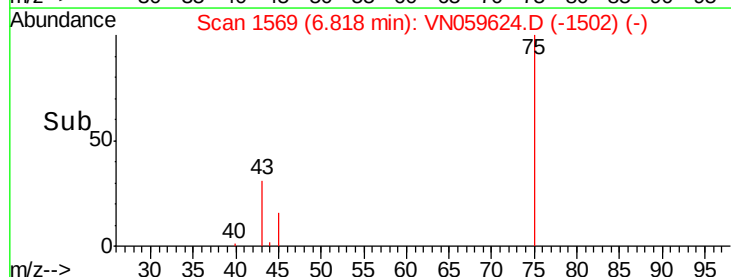
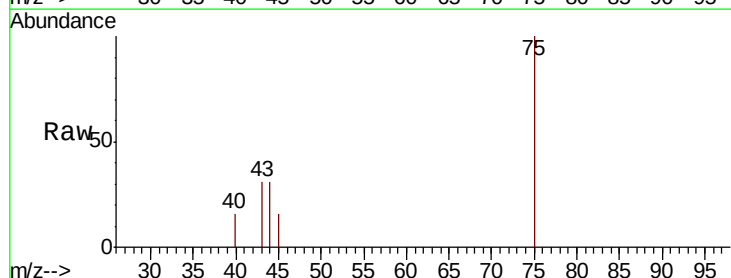
Instrument :
 MSVOA_N
 ClientSampled :
 PB125501TB

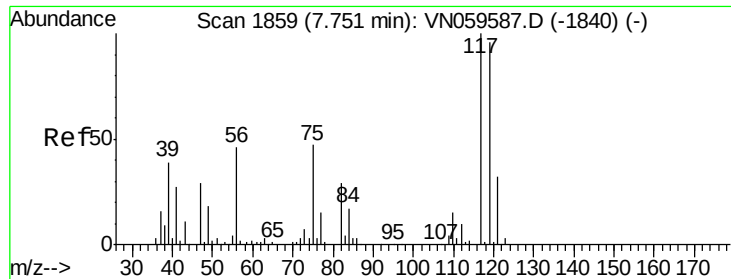
Tot Ion: 75 Resp: 19541
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.6 49.7#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 0.234 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.08 min
 Lab File: VN059624.D
 Acq: 17 Dec 2019 15:08

Tgt Ion: 43 Resp: 1072
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 7.7 11.5#

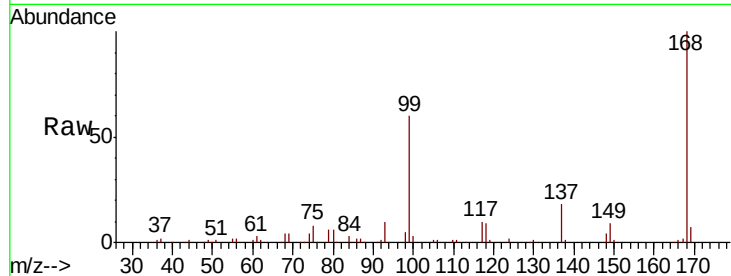




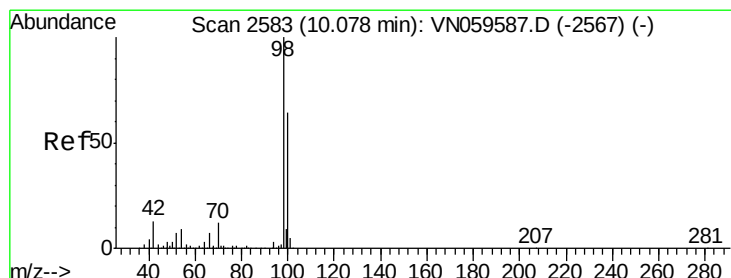
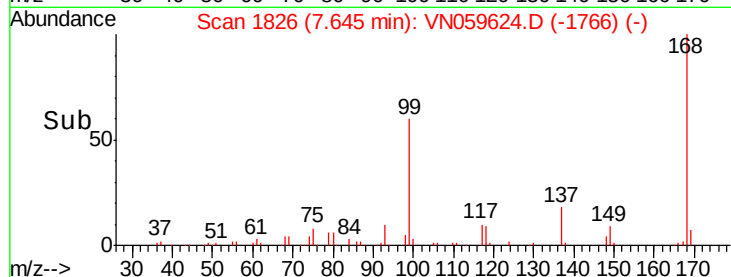
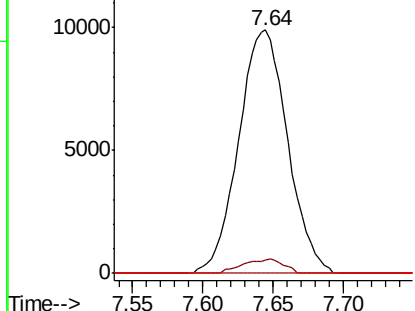
#38
Carbon Tetrachloride
Concen: 5.852 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059624.D
Acq: 17 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
PB125501TB

Tot Ion:117 Resp: 23978
Ion Ratio Lower Upper
117 100
119 5.5 76.5 114.7#
121 0.0 25.1 37.7#

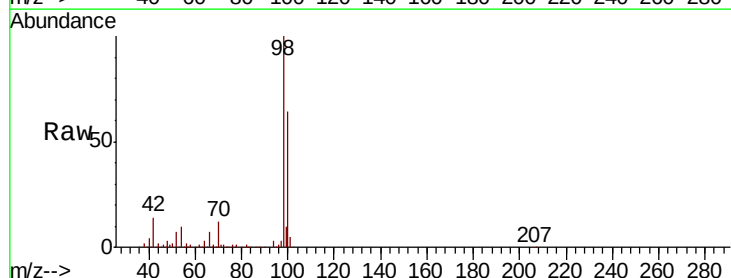


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

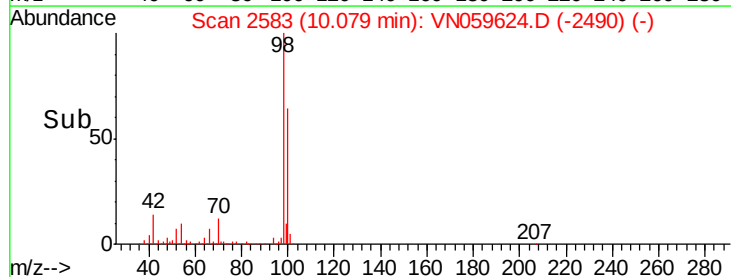
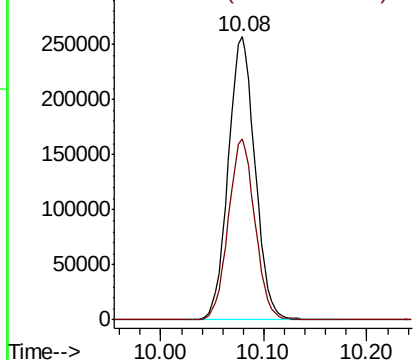


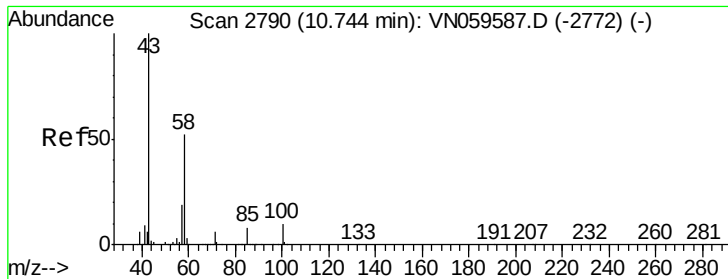
#50
Toluene-d8
Concen: 49.669 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059624.D
Acq: 17 Dec 2019 15:08

Tgt Ion: 98 Resp: 465867
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#59

2-Hexanone

Concen: 0.394 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VN059624.D

Acq: 17 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

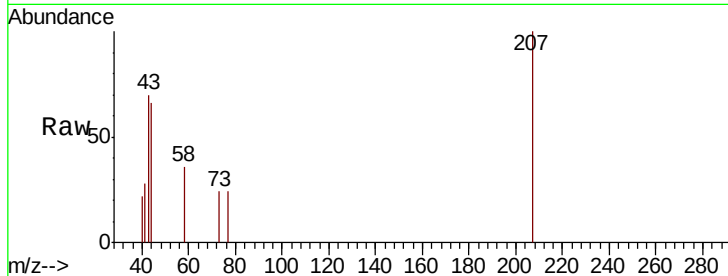
PB125501TB

Tot Ion: 43 Resp: 1321

Ion Ratio Lower Upper

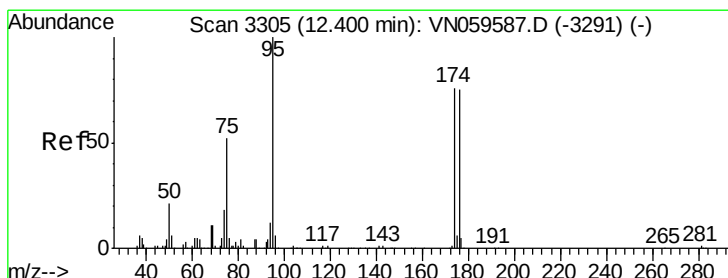
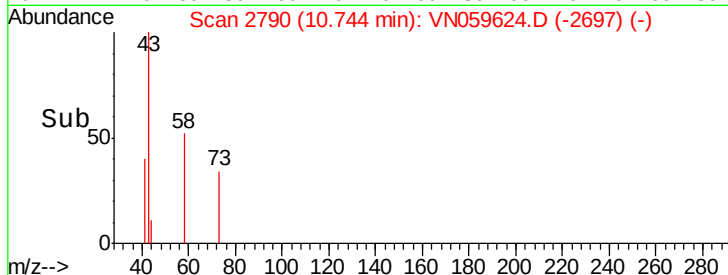
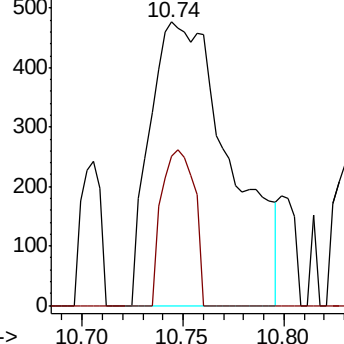
43 100

58 22.6 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 44.507 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059624.D

Acq: 17 Dec 2019 15:08

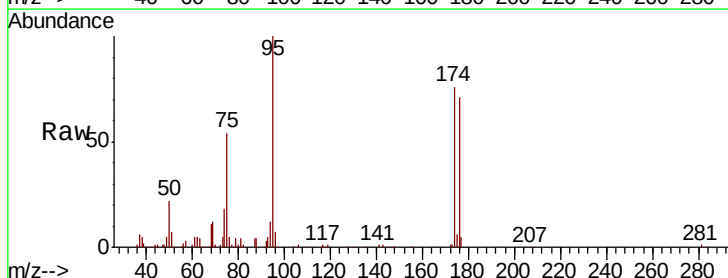
Tgt Ion: 95 Resp: 152323

Ion Ratio Lower Upper

95 100

174 75.3 0.0 151.4

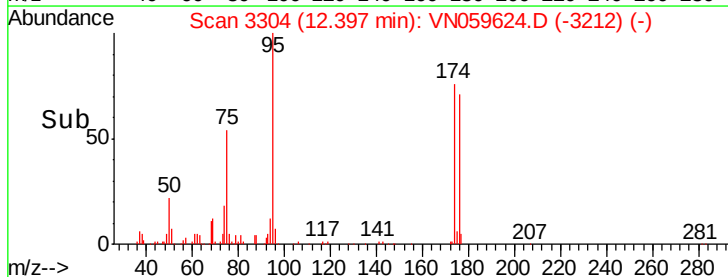
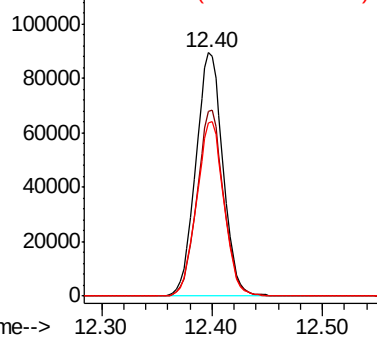
176 72.2 0.0 146.0

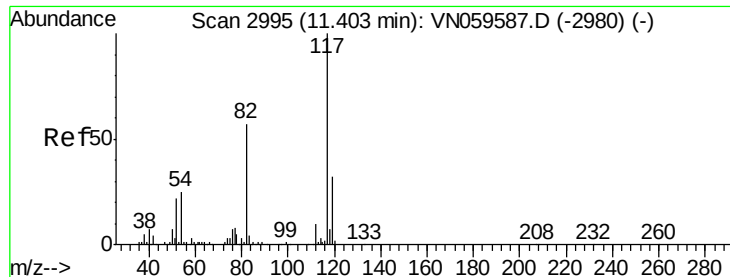


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN059624.D

Acq: 17 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

PB125501TB

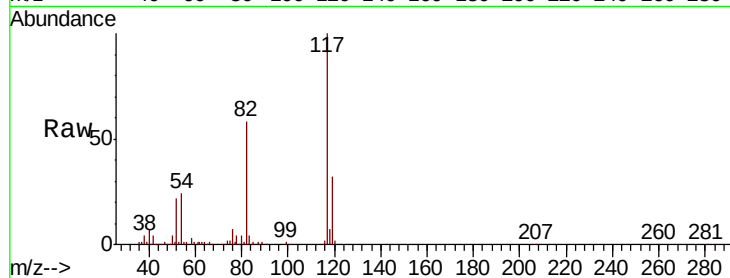
Tot Ion:117 Resp: 335240

Ion Ratio Lower Upper

117 100

82 57.6 45.9 68.9

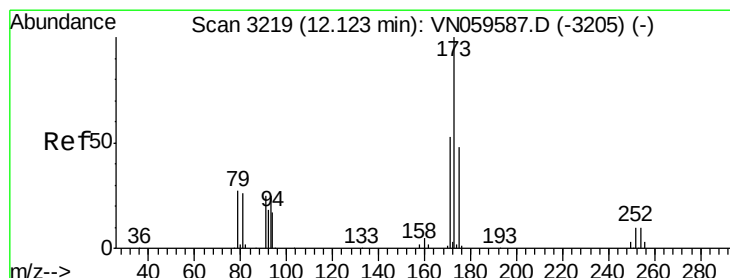
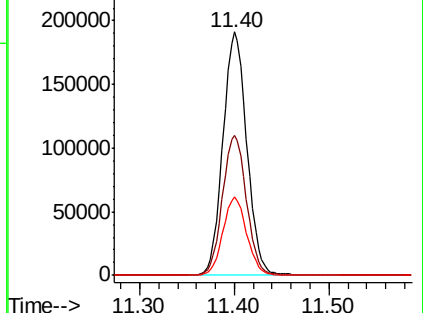
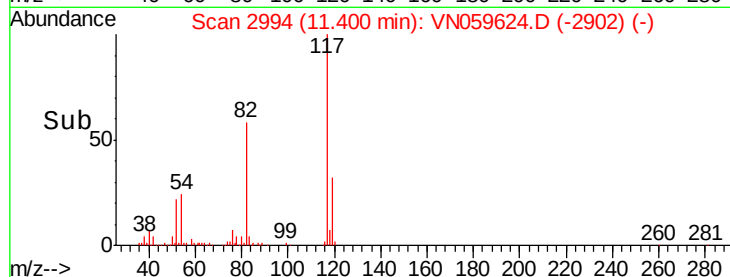
119 32.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.401 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN059624.D

Acq: 17 Dec 2019 15:08

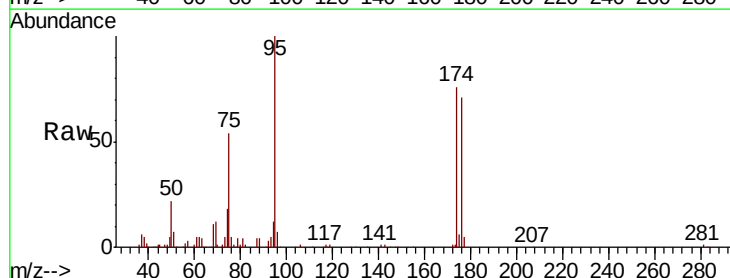
Tgt Ion:173 Resp: 830

Ion Ratio Lower Upper

173 100

175 897.3 23.8 71.4#

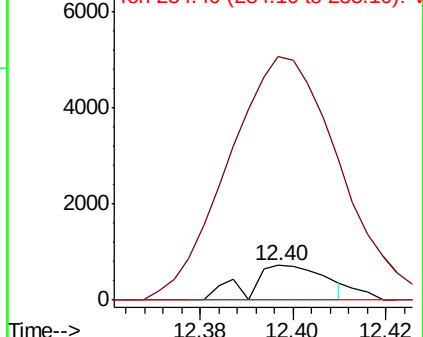
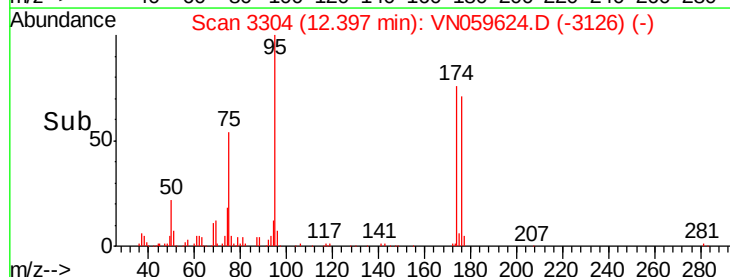
254 0.0 0.0 0.0

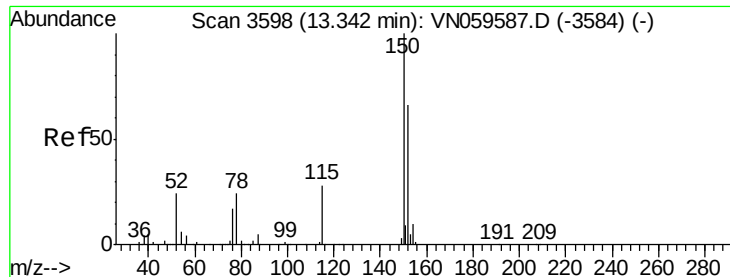


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN059624.D

Acq: 17 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

PB125501TB

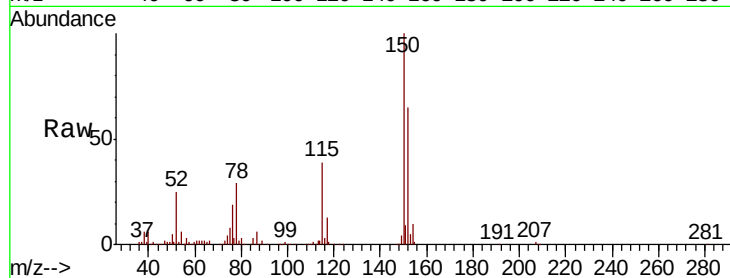
Tot Ion:152 Resp: 128721

Ion Ratio Lower Upper

152 100

115 60.1 30.3 90.9

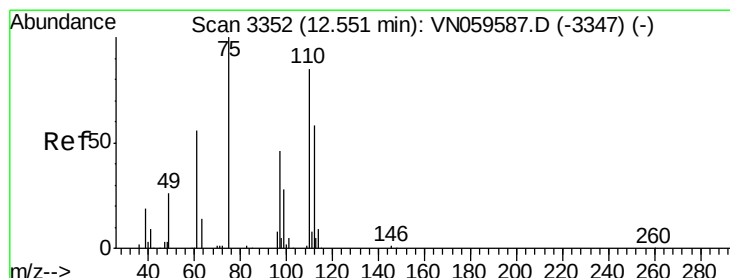
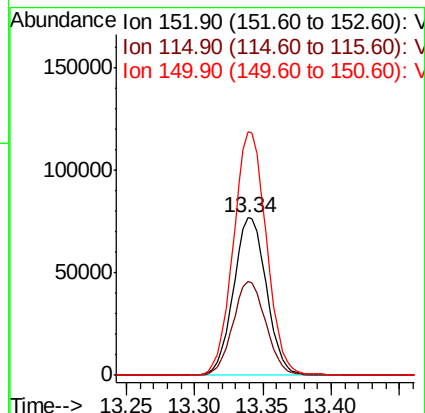
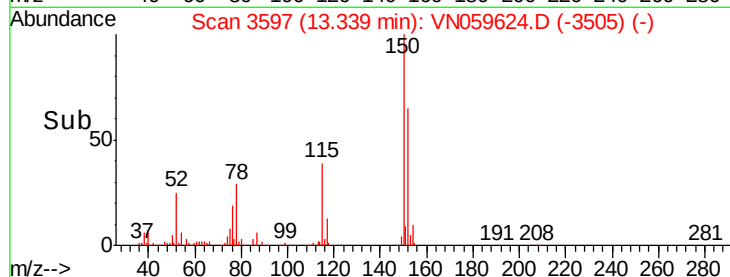
150 156.0 0.0 345.2



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



#76

1,2,3-Trichloropropane

Concen: 25.236 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059624.D

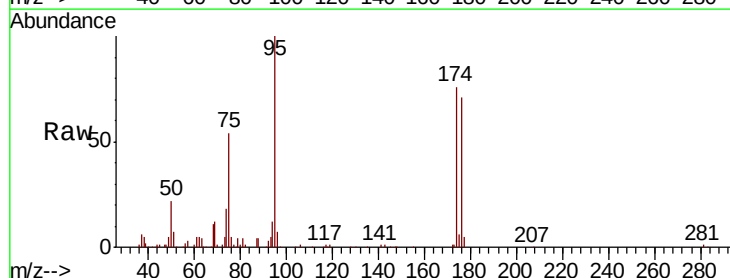
Acq: 17 Dec 2019 15:08

Tgt Ion: 75 Resp: 80417

Ion Ratio Lower Upper

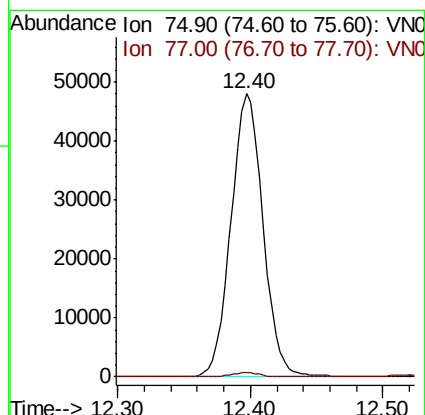
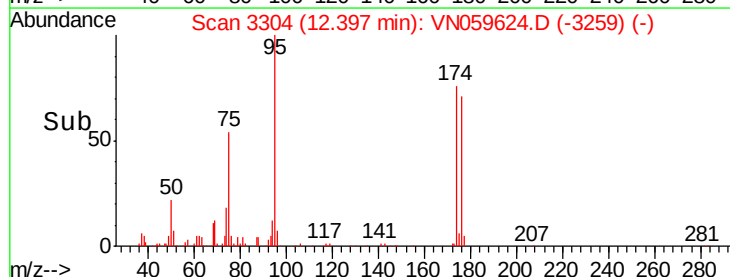
75 100

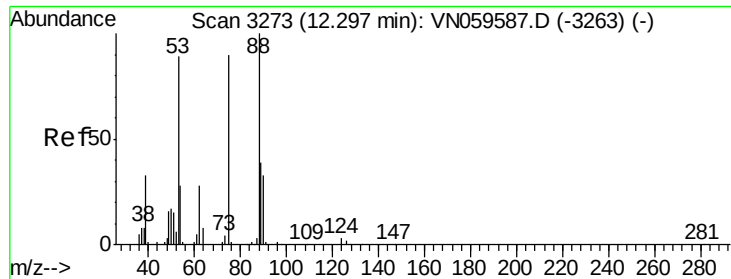
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

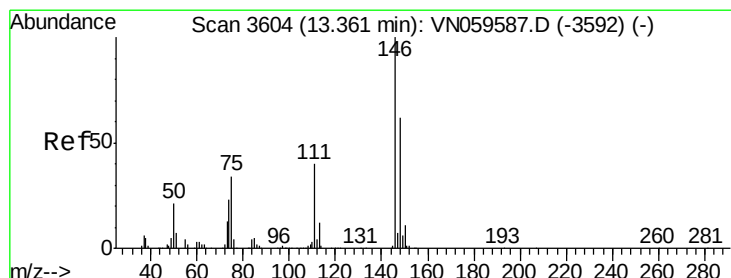
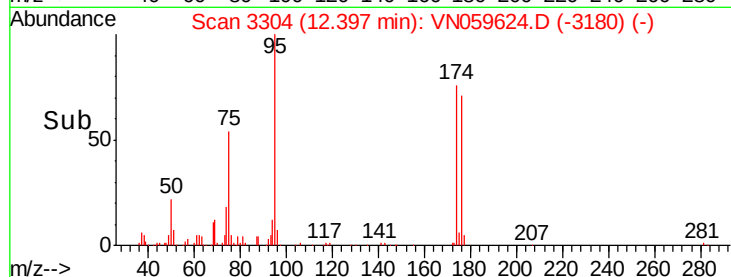
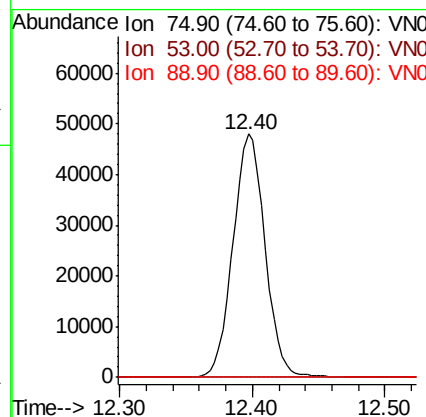
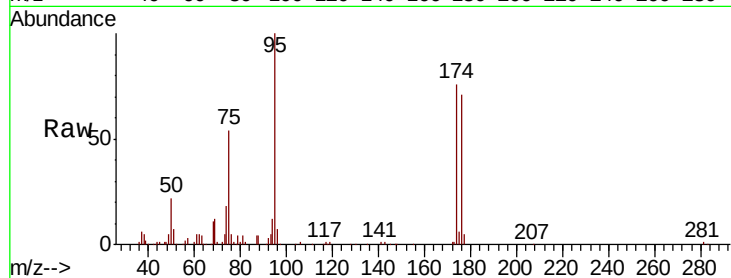




#81
trans-1,4-Dichloro-2-butene
Concen: 62.331 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059624.D
Acq: 17 Dec 2019 15:08

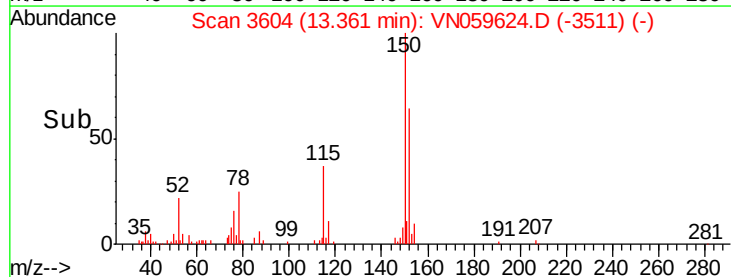
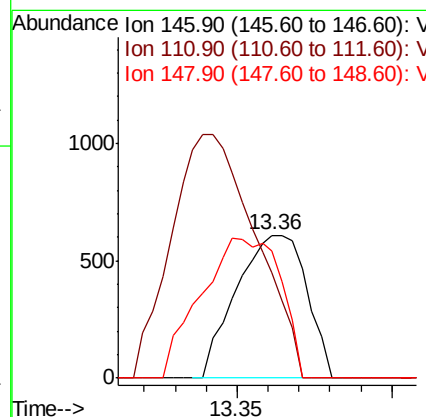
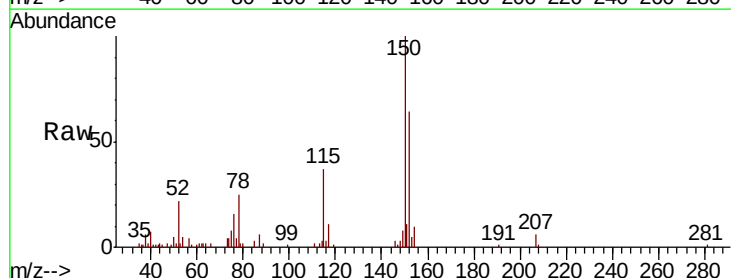
Instrument :
MSVOA_N
ClientSampleId :
PB125501TB

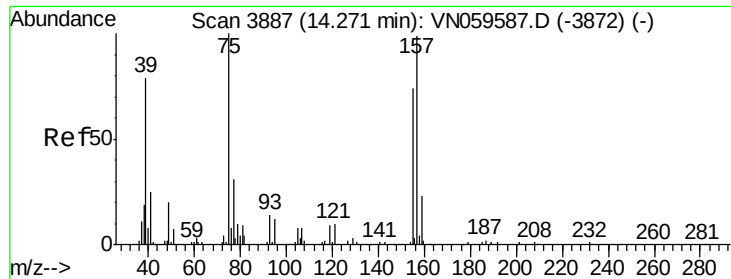
Tot Ion: 75 Resp: 80417
Ion Ratio Lower Upper
75 100
53 0.0 78.1 117.1#
89 0.0 35.4 53.2#



#88
1,4-Dichlorobenzene
Concen: 0.209 ug/l
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN059624.D
Acq: 17 Dec 2019 15:08

Tgt Ion: 146 Resp: 962
Ion Ratio Lower Upper
146 100
111 204.5 20.8 62.2#
148 111.1 31.8 95.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.035 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN059624.D

Acq: 17 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

PB125501TB

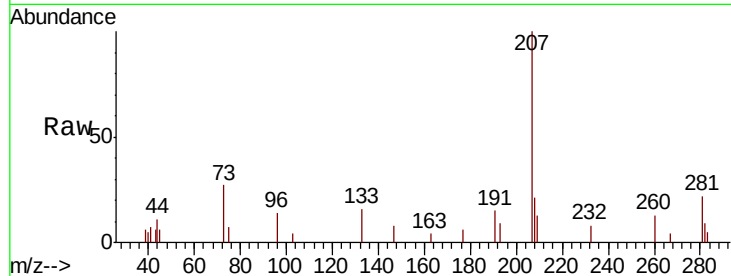
Tot Ion: 75 Resp: 383

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

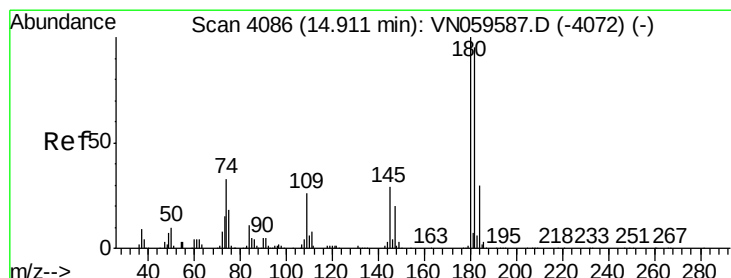
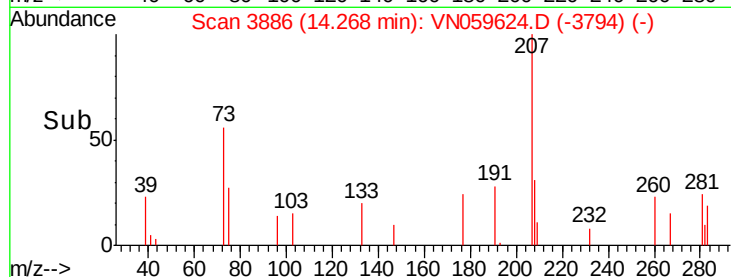
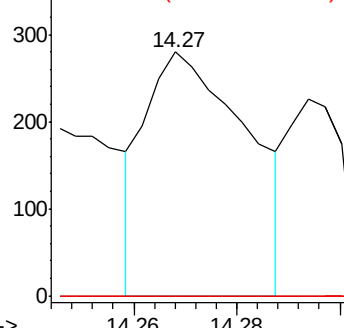
157 0.0 48.4 145.2#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.492 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN059624.D

Acq: 17 Dec 2019 15:08

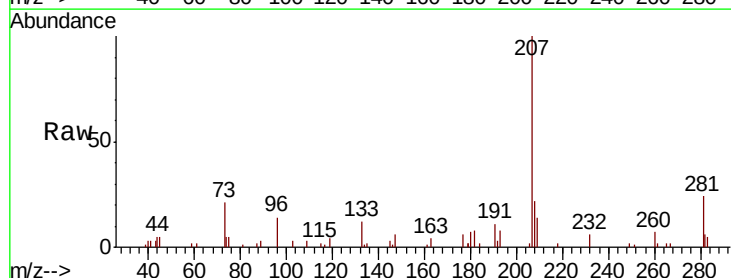
Tgt Ion: 180 Resp: 1433

Ion Ratio Lower Upper

180 100

182 92.3 46.9 140.7

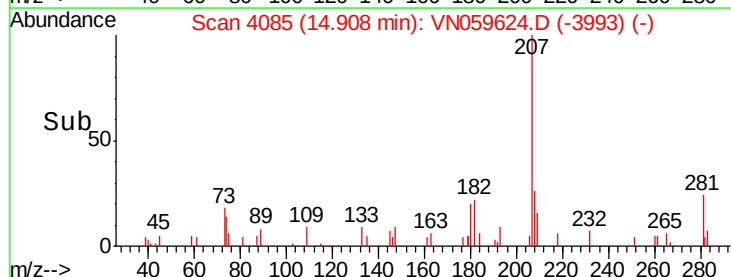
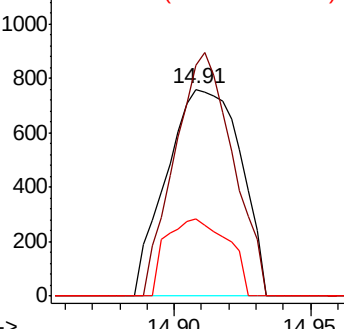
145 31.3 15.0 45.1

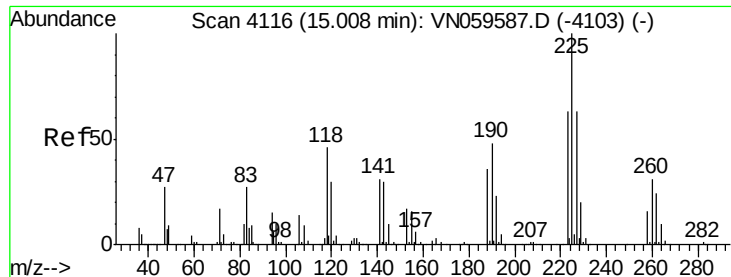


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 1.988 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN059624.D

Acq: 17 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

PB125501TB

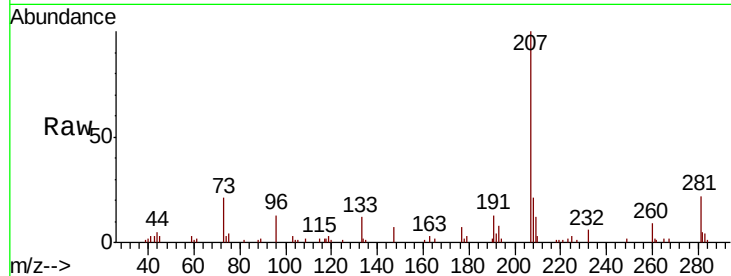
Tot Ion:225 Resp: 525

Ion Ratio Lower Upper

225 100

223 66.9 31.8 95.3

227 27.6 32.1 96.5#

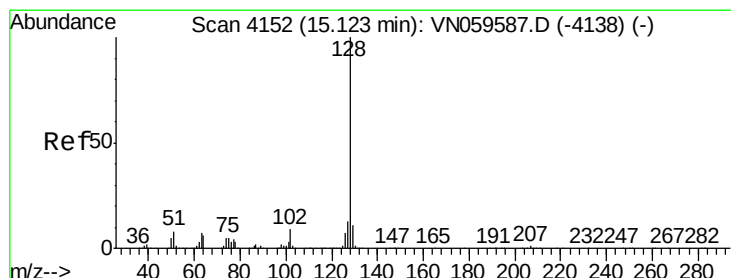
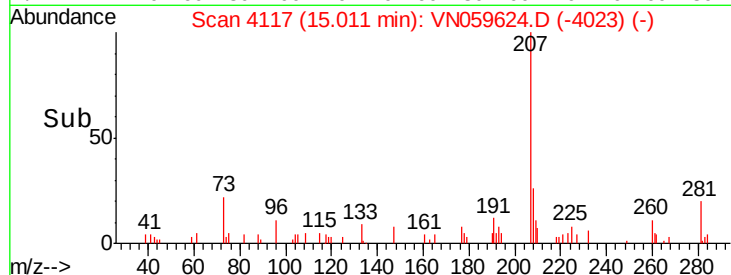
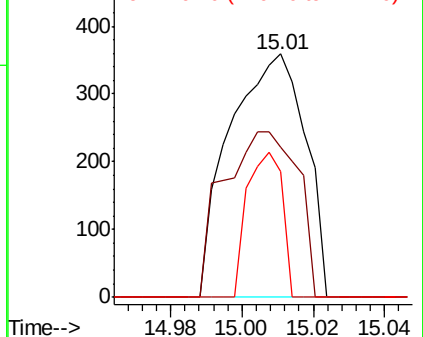


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.816 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059624.D

Acq: 17 Dec 2019 15:08

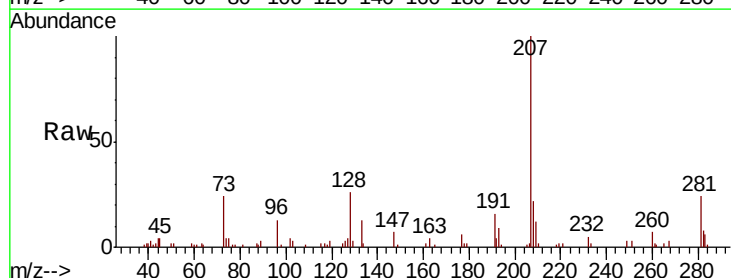
Tgt Ion:128 Resp: 7088

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

129 10.6 8.6 12.8

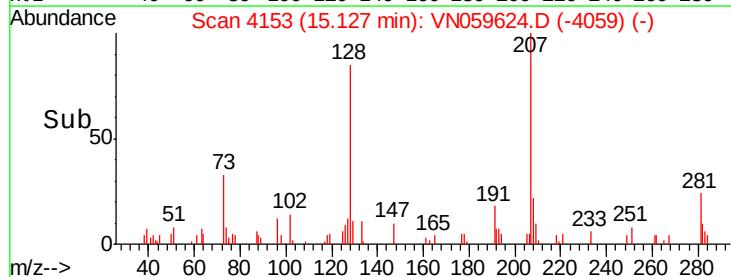
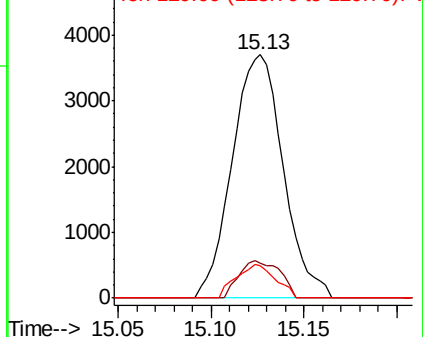


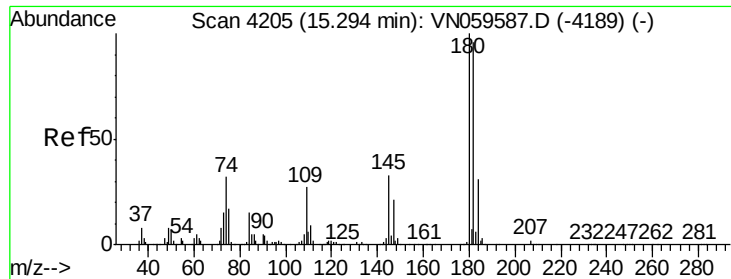
Abundance

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: 0.665 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. -0.01 min
 Lab File: VN059624.D
 Acq: 17 Dec 2019 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB125501TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	79.0	47.4	142.3
145	38.1	16.3	48.9

