

Data File : VN059934.D
Acq On : 30 Jan 2020 17:16
Operator : JC/MD
Sample : PB126447ZHE#10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB126447ZHE#10

Quant Time: Jan 31 00:37:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	194126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	295999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	121835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	106472	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	7.57	113	91256	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
50) Toluene-d8	10.08	98	356325	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.40	95	123602	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

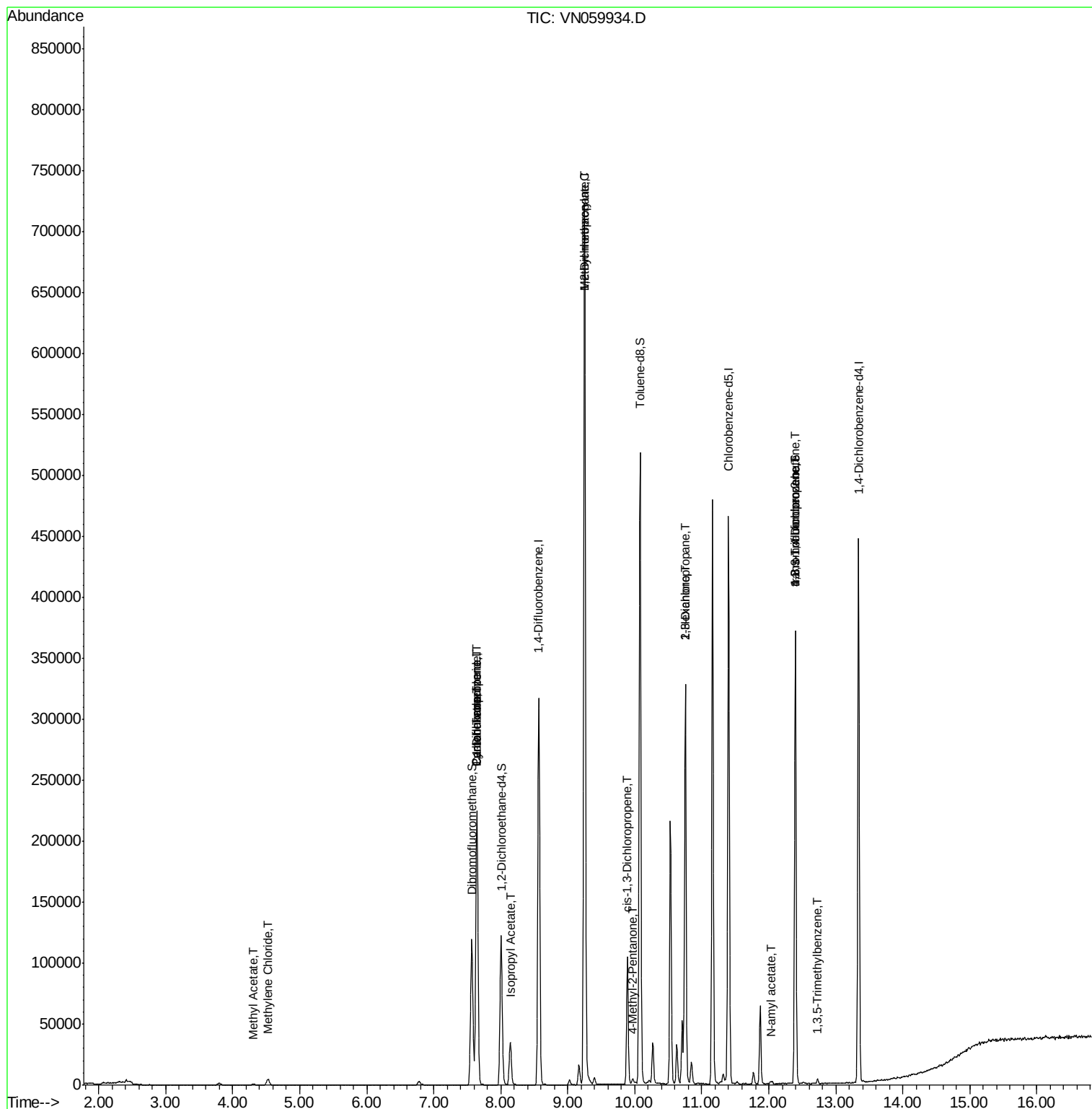
						Qvalue
16) Acetone	3.79	43	3601	Below Cal		91
18) Methyl Acetate	4.31	43	1228	0.488 ug/l #		59
20) Methylene Chloride	4.53	84	3949	0.750 ug/l #		80
31) Cyclohexane	7.64	56	3819	1.197 ug/l #		8
36) 1,1-Dichloropropene	7.64	75	13227	5.131 ug/l #		50
38) Carbon Tetrachloride	7.64	117	18115	6.460 ug/l #		16
43) Isopropyl Acetate	8.14	43	42385	10.193 ug/l		92
45) 1,2-Dichloropropane	9.25	63	761	0.400 ug/l #		44
48) Methyl methacrylate	9.25	41	68572	36.866 ug/l #		46
51) 4-Methyl-2-Pentanone	9.97	43	2704	1.125 ug/l		94
54) cis-1,3-Dichloropropene	9.89	75	20054	6.312 ug/l #		58
57) 1,3-Dichloropropane	10.75	76	3636	1.191 ug/l #		42
59) 2-Hexanone	10.75	43	46555	26.288 ug/l #		54
74) N-amyl acetate	12.03	43	1715	0.495 ug/l #		45
76) 1,2,3-Trichloropropane	12.40	75	63491	30.966 ug/l #		100
80) 1,3,5-Trimethylbenzene	12.73	105	2452	0.326 ug/l		95
81) trans-1,4-Dichloro-2-buten	12.40	75	63491	66.499 ug/l #		11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	185	Below Cal #		6

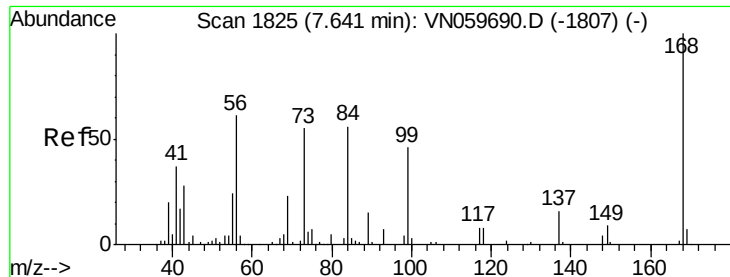
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059934.D

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Instrument :

MSVOA_N

ClientSampleId :

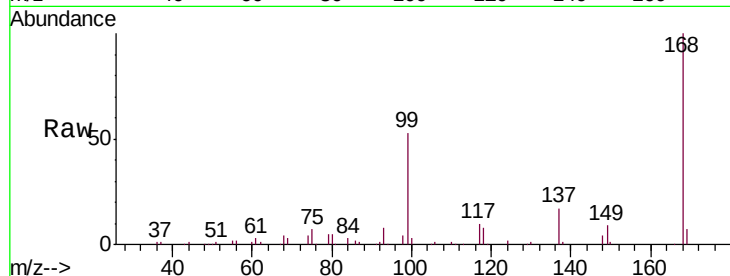
PB126447ZHE#10

Tgt Ion:168 Resp: 194126

Ion Ratio Lower Upper

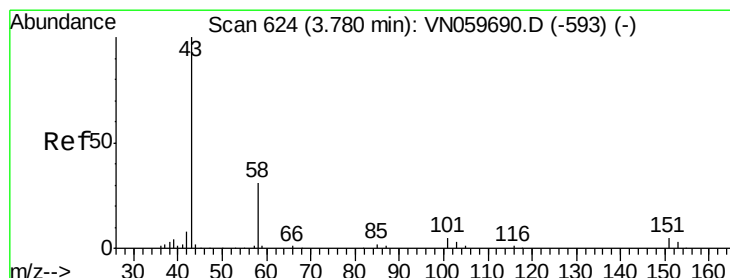
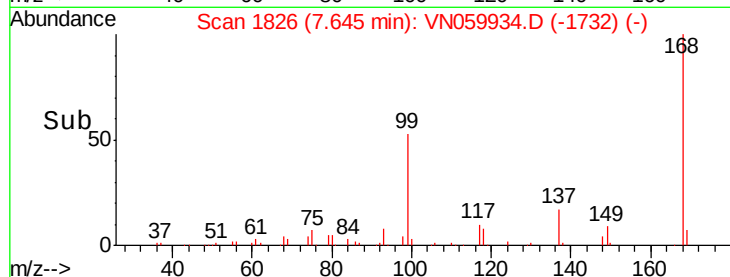
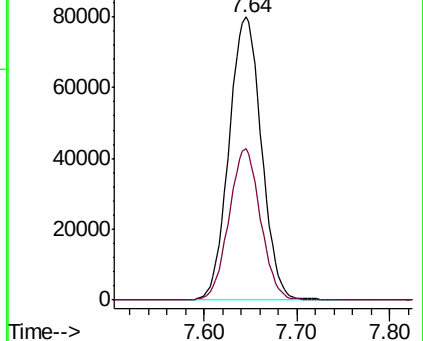
168 100

99 53.4 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: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059934.D

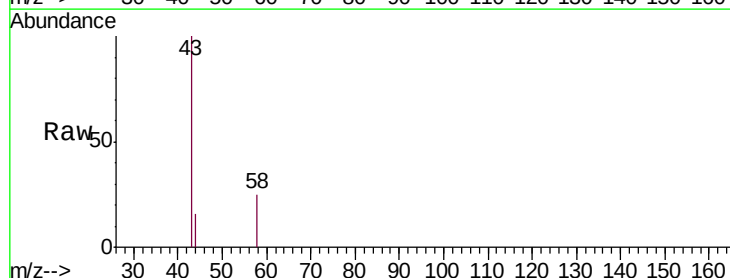
Acq: 30 Jan 2020 17:16

Tgt Ion: 43 Resp: 3601

Ion Ratio Lower Upper

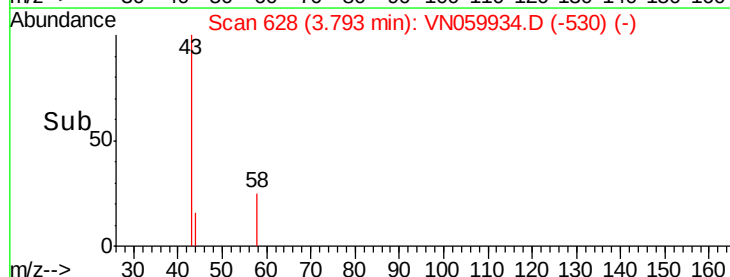
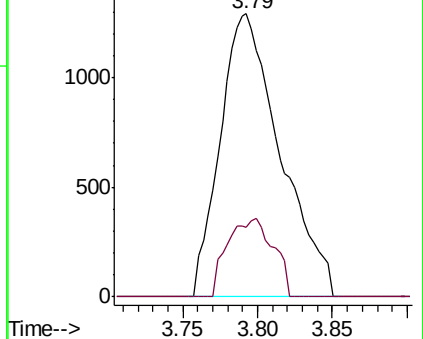
43 100

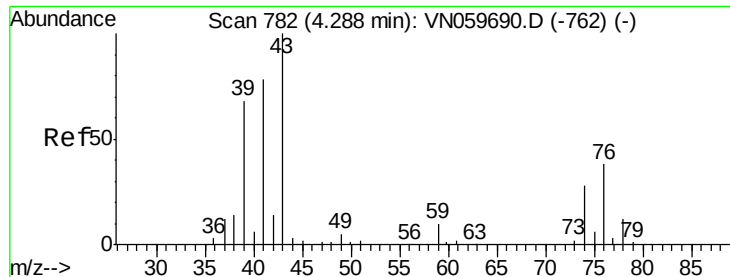
58 24.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

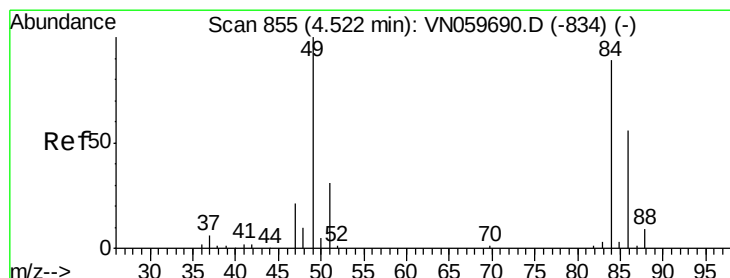
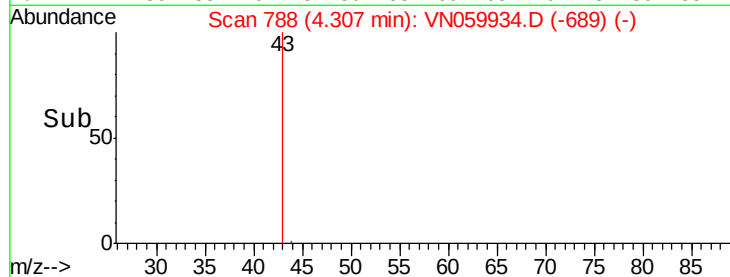
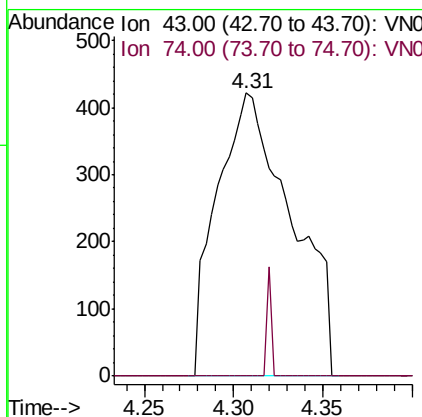
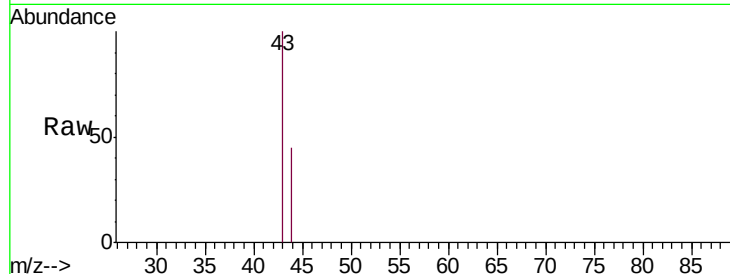




#18
Methyl Acetate
Concen: 0.488 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN059934.D
Acq: 30 Jan 2020 17:16

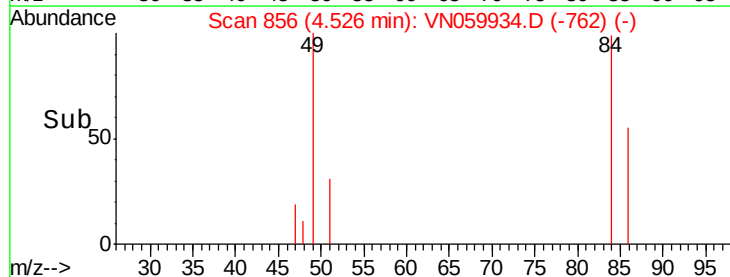
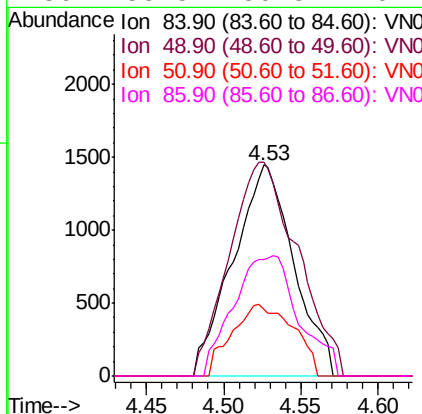
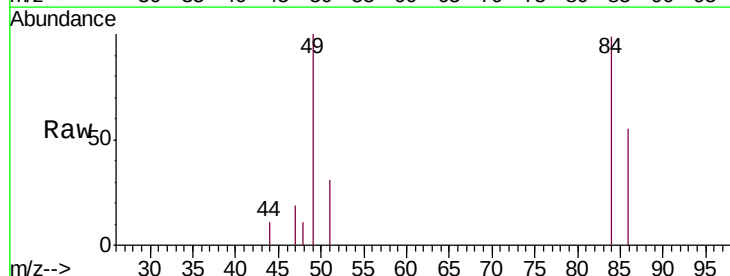
Instrument :
MSVOA_N
ClientSampleId :
PB126447ZHE#10

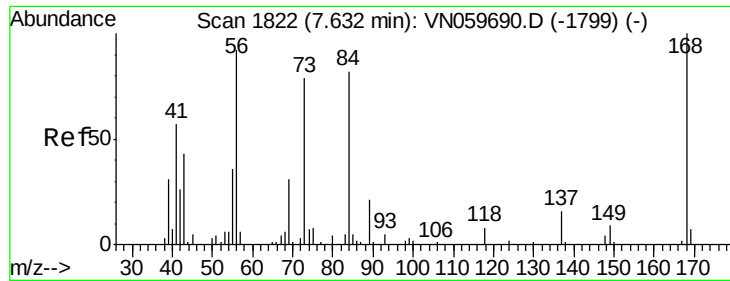
Tgt Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
74 2.5 17.5 26.3#



#20
Methylene Chloride
Concen: 0.750 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059934.D
Acq: 30 Jan 2020 17:16

Tgt Ion: 84 Resp: 3949
Ion Ratio Lower Upper
84 100
49 101.3 106.6 160.0#
51 31.7 31.9 47.9#
86 55.5 50.8 76.2

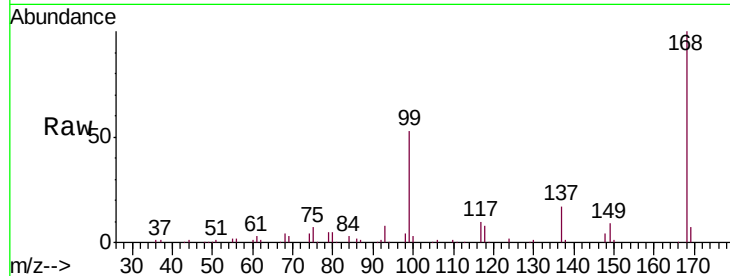




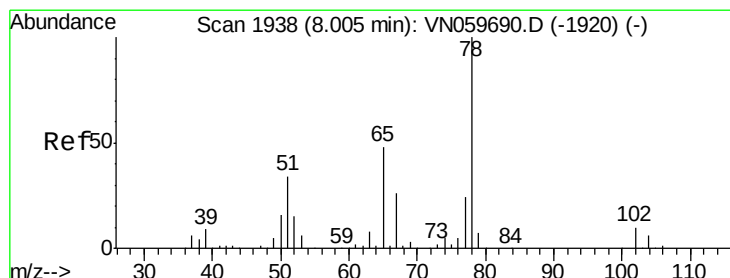
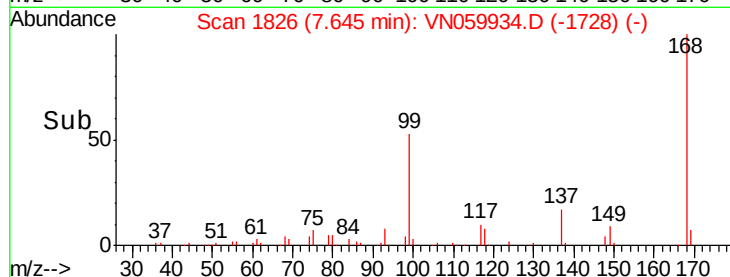
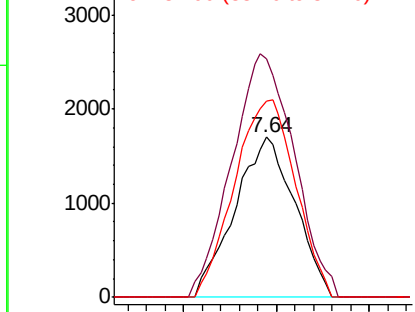
#31
Cyclohexane
Concen: 1.197 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059934.D
Acq: 30 Jan 2020 17:16

Instrument :
MSVOA_N
ClientSampleId :
PB126447ZHE#10

Tgt Ion: 56 Resp: 3819
Ion Ratio Lower Upper
56 100
69 149.1 26.5 39.7#
84 122.5 65.3 97.9#

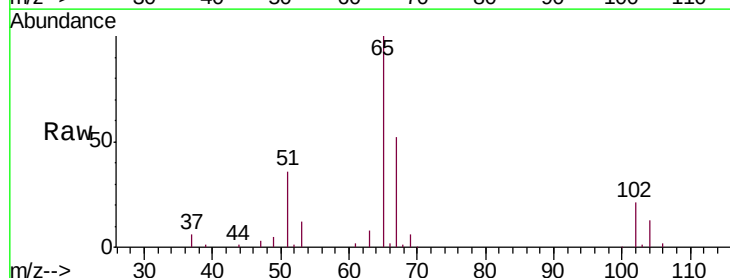


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

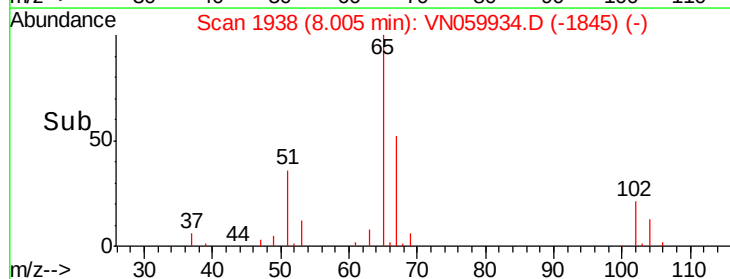
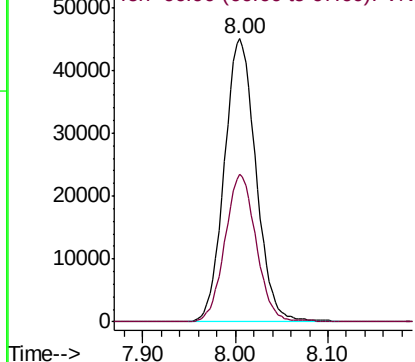


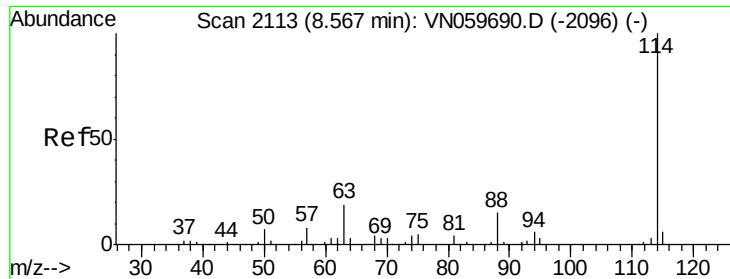
#33
1,2-Dichloroethane-d4
Concen: 49.388 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059934.D
Acq: 30 Jan 2020 17:16

Tgt Ion: 65 Resp: 106472
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.0



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

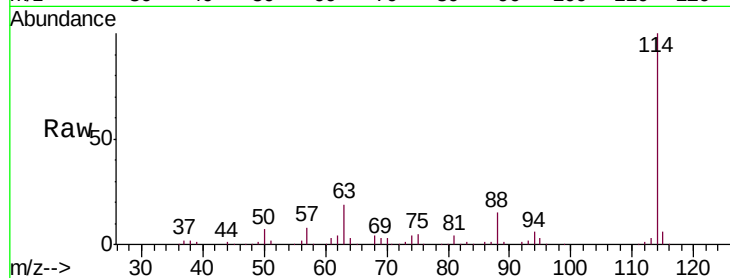




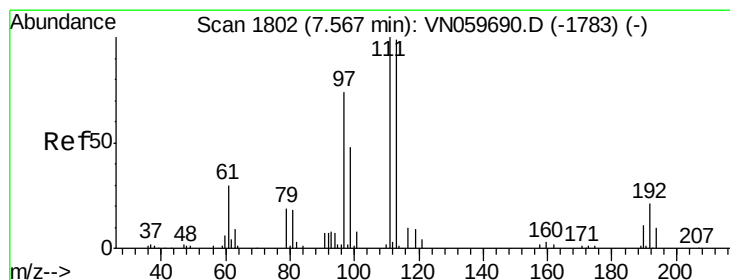
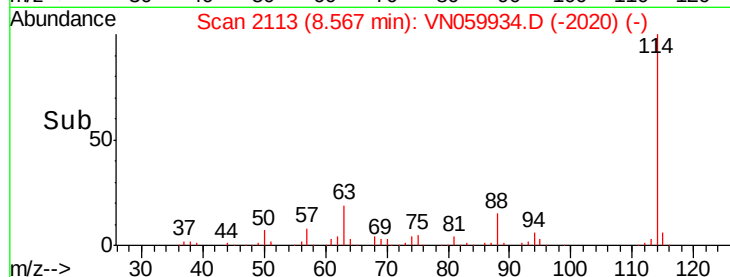
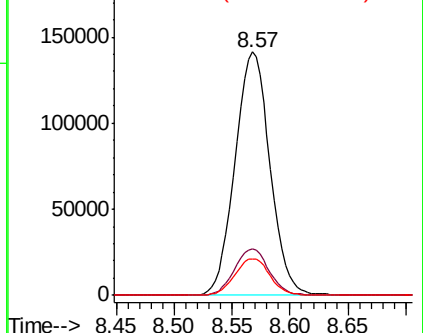
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059934.D
 Acq: 30 Jan 2020 17:16

Instrument :
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 PB126447ZHE#10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	43.6
88	15.1	0.0	31.4

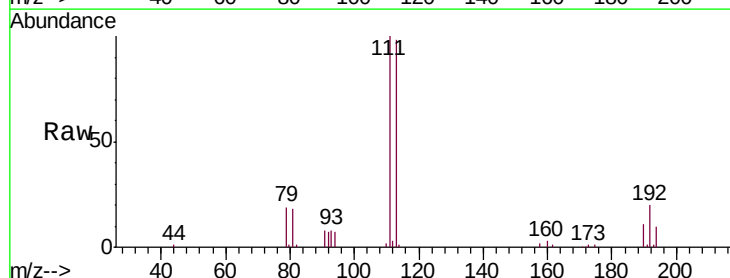


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

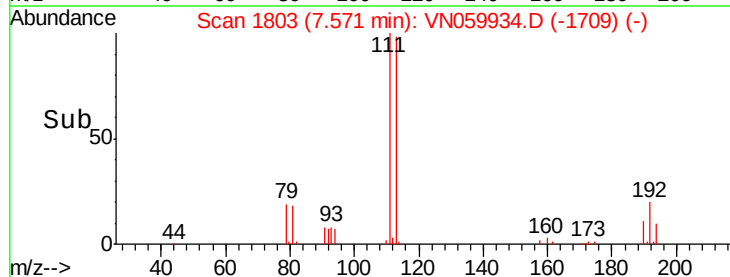
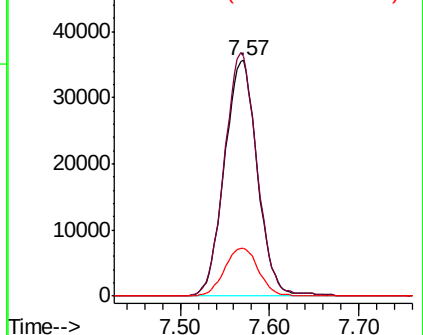


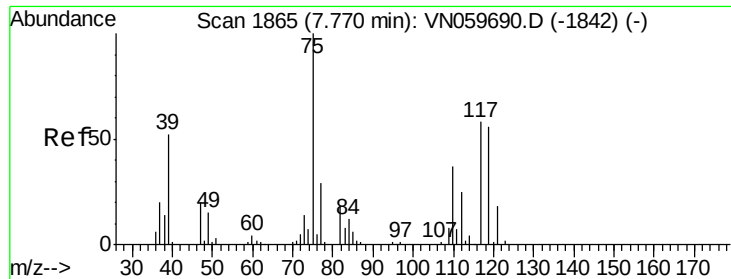
#35
 Dibromofluoromethane
 Concen: 51.698 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059934.D
 Acq: 30 Jan 2020 17:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.5	125.3
192	20.9	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

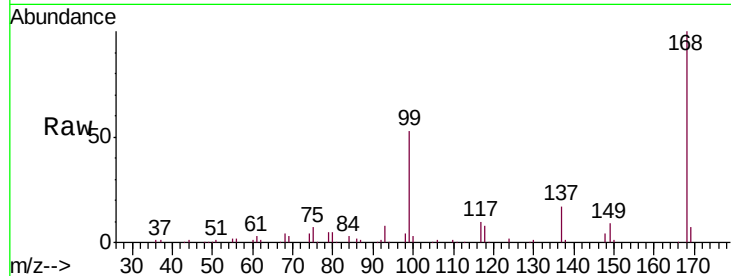




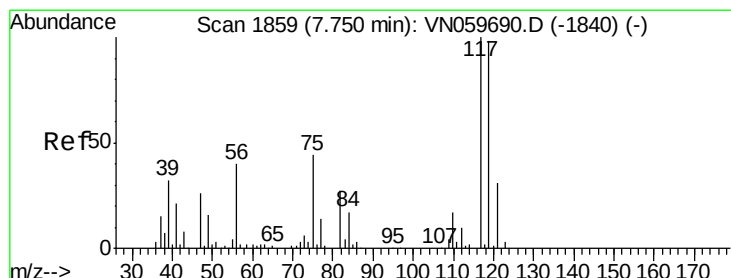
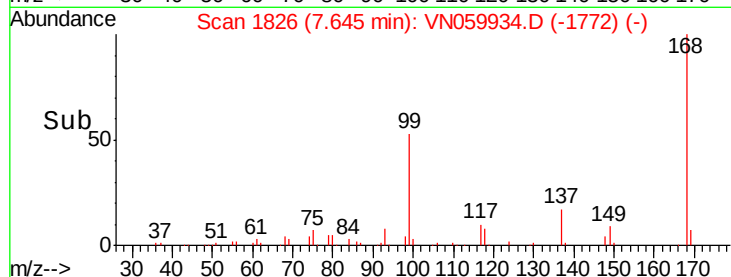
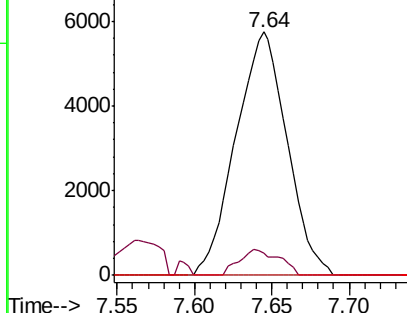
#36
 1,1-Dichloropropene
 Concen: 5.131 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059934.D
 Acq: 30 Jan 2020 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126447ZHE#10

Tgt Ion	Resp	Lower	Upper
75	13227		
110	8.2	16.6	49.7#
77	0.0	25.1	37.7#

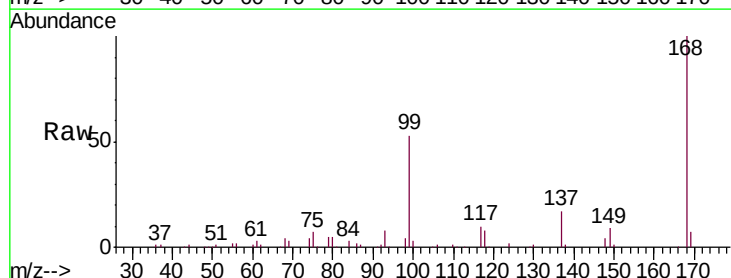


Abundance Ion 74.90 (74.60 to 75.60): VN059934.D (-1772) (-)
 Ion 109.90 (109.60 to 110.60): VN059934.D (-1772) (-)
 Ion 76.90 (76.60 to 77.60): VN059934.D (-1772) (-)

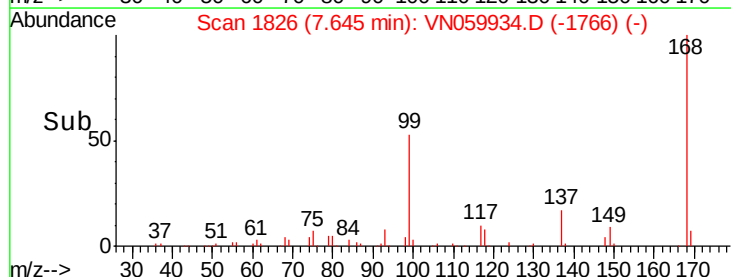
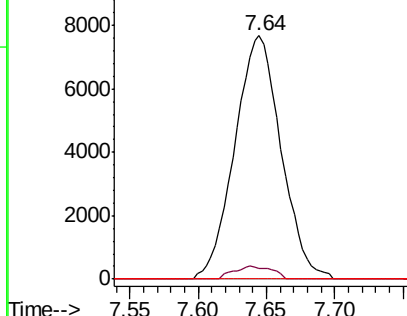


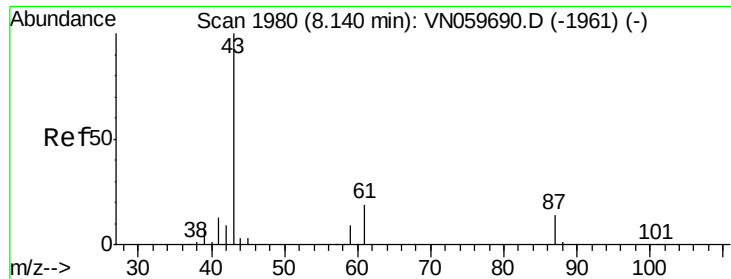
#38
 Carbon Tetrachloride
 Concen: 6.460 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059934.D
 Acq: 30 Jan 2020 17:16

Tgt Ion	Resp	Lower	Upper
117	18115		
119	4.5	76.5	114.7#
121	0.0	25.1	37.7#



Abundance Ion 116.80 (116.50 to 117.50): VN059934.D (-1766) (-)
 Ion 118.80 (118.50 to 119.50): VN059934.D (-1766) (-)
 Ion 120.80 (120.50 to 121.50): VN059934.D (-1766) (-)

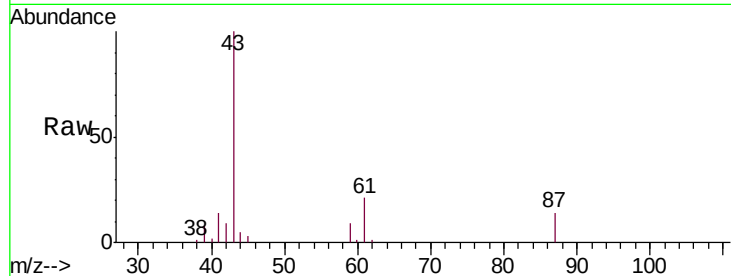




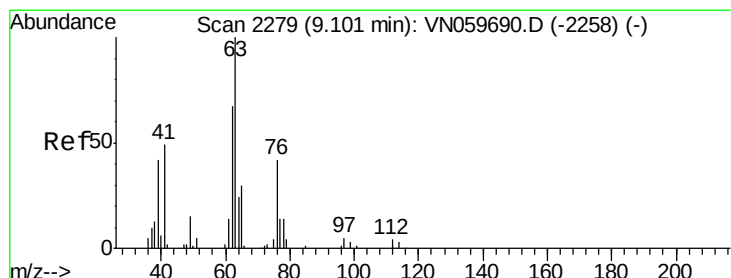
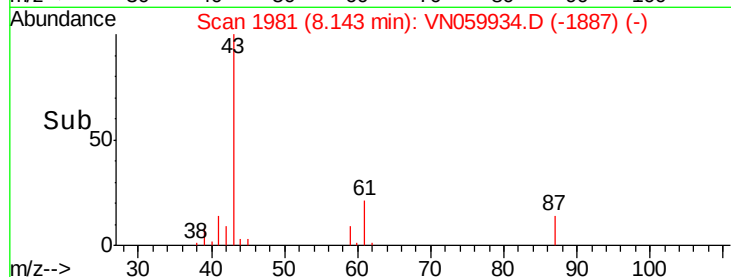
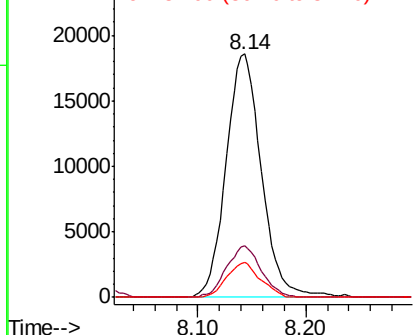
#43
Isopropyl Acetate
Concen: 10.193 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059934.D
Acq: 30 Jan 2020 17:16

Instrument :
MSVOA_N
ClientSampleId :
PB126447ZHE#10

Tgt Ion: 43 Resp: 42385
Ion Ratio Lower Upper
43 100
61 20.7 20.2 30.2
87 13.6 9.5 14.3

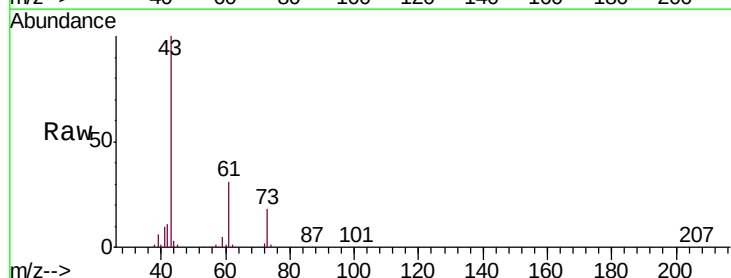


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

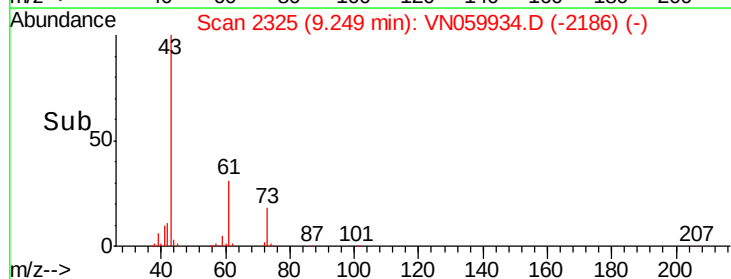
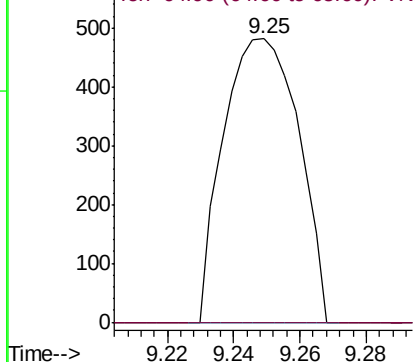


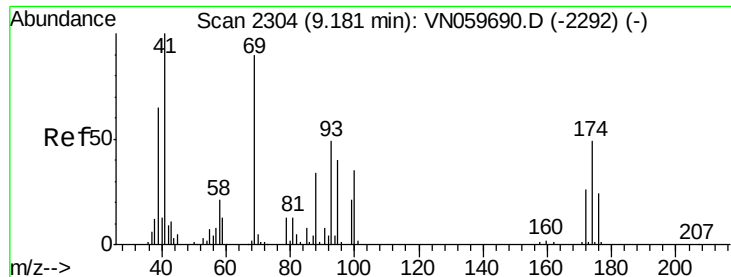
#45
1,2-Dichloropropane
Concen: 0.400 ug/l
RT: 9.25 min Scan# 2325
Delta R.T. 0.15 min
Lab File: VN059934.D
Acq: 30 Jan 2020 17:16

Tgt Ion: 63 Resp: 761
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

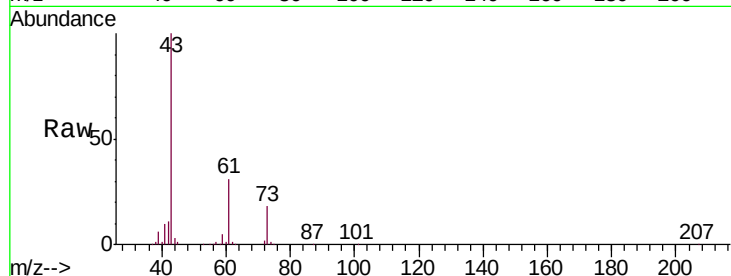




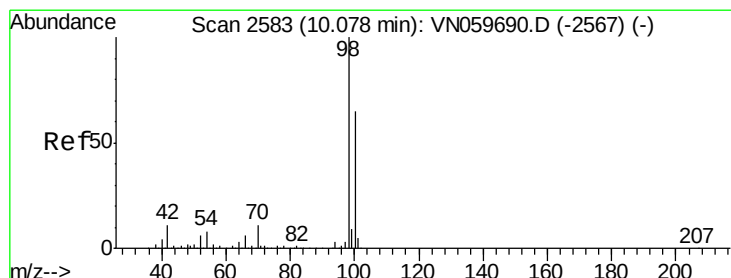
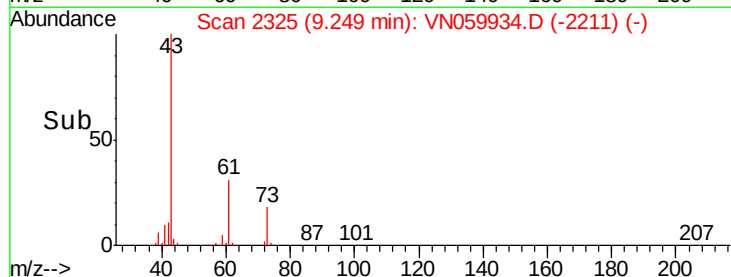
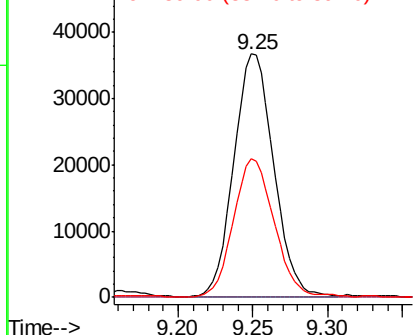
#48
Methyl methacrylate
Concen: 36.866 ug/l
RT: 9.25 min Scan# 2325
Delta R.T. 0.07 min
Lab File: VN059934.D
Acq: 30 Jan 2020 17:16

Instrument :
MSVOA_N
ClientSampleId :
PB126447ZHE#10

Tgt Ion: 41 Resp: 68572
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 58.2 51.3 76.9

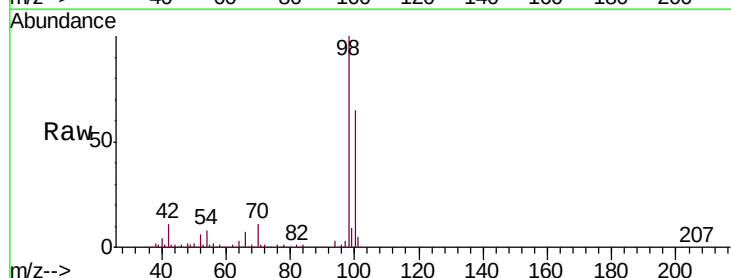


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

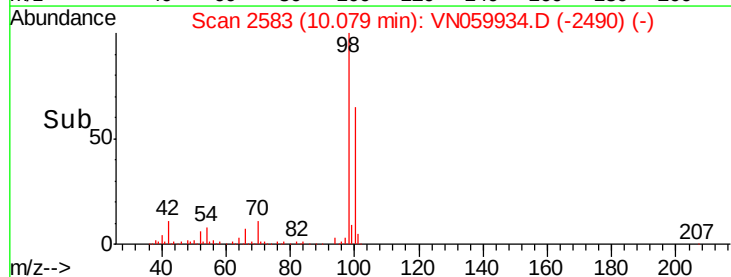
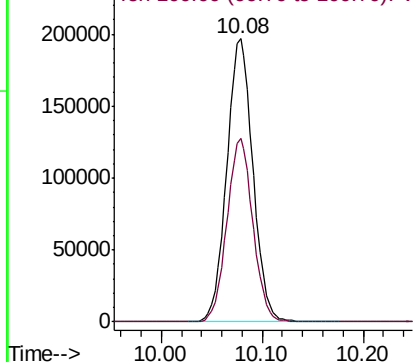


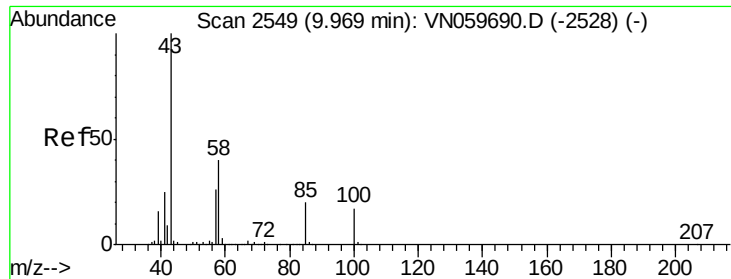
#50
Toluene-d8
Concen: 52.101 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059934.D
Acq: 30 Jan 2020 17:16

Tgt Ion: 98 Resp: 356325
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

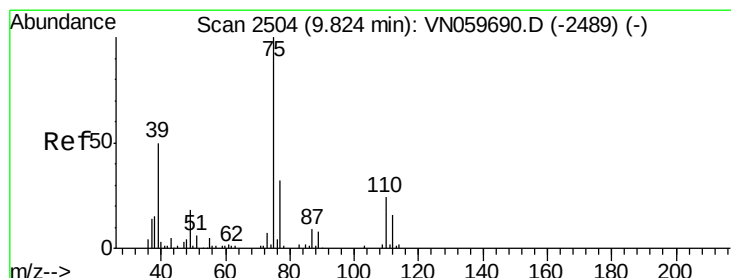
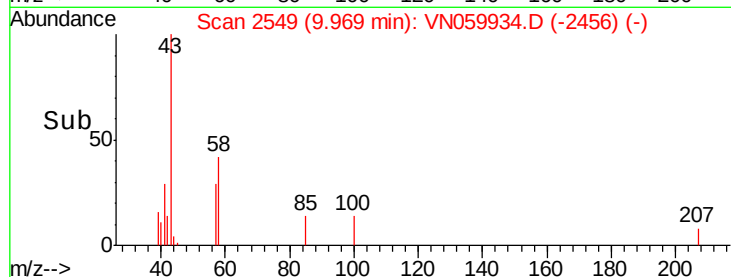
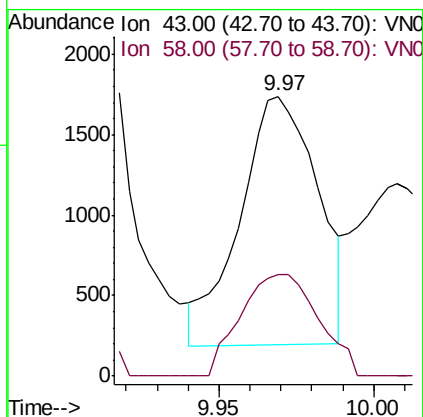
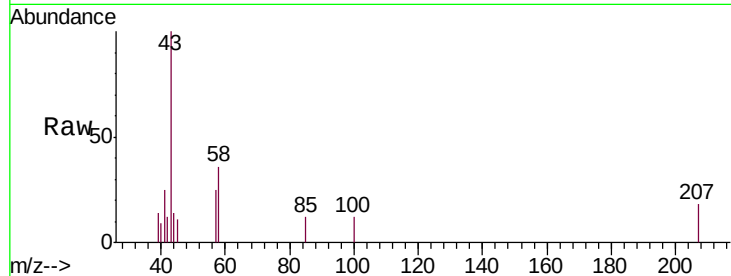




#51
 4-Methyl-2-Pentanone
 Concen: 1.125 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059934.D
 Acq: 30 Jan 2020 17:16

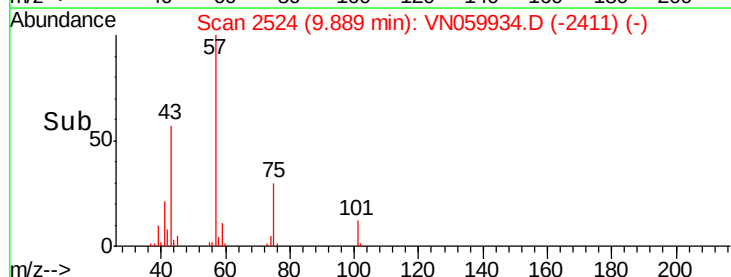
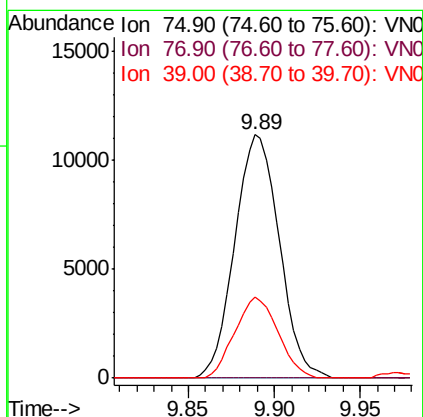
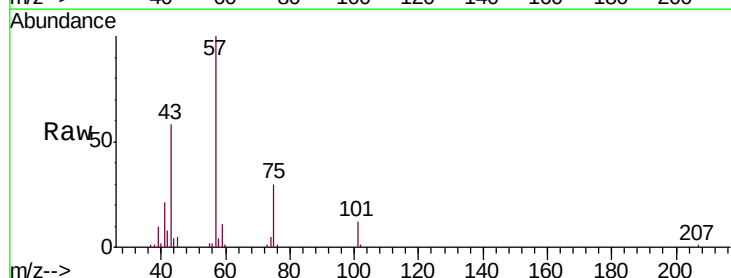
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126447ZHE#10

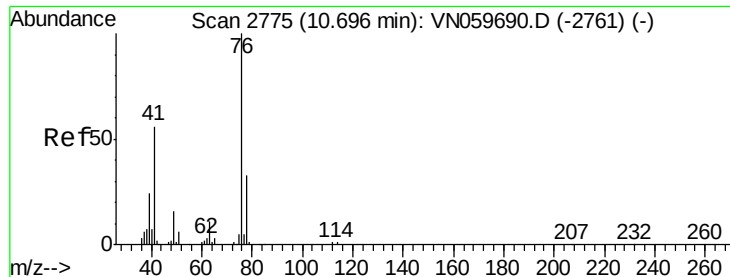
Tgt Ion: 43 Resp: 2704
 Ion Ratio Lower Upper
 43 100
 58 41.0 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 6.312 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN059934.D
 Acq: 30 Jan 2020 17:16

Tgt Ion: 75 Resp: 20054
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 33.0 46.1 69.1#

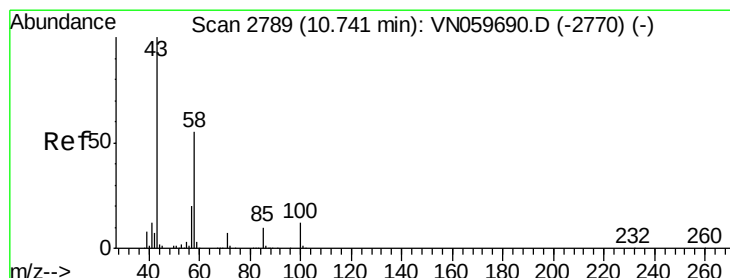
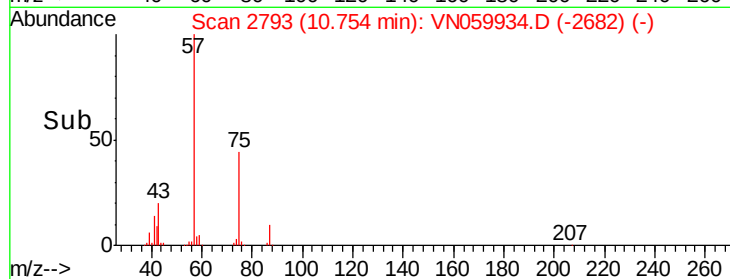
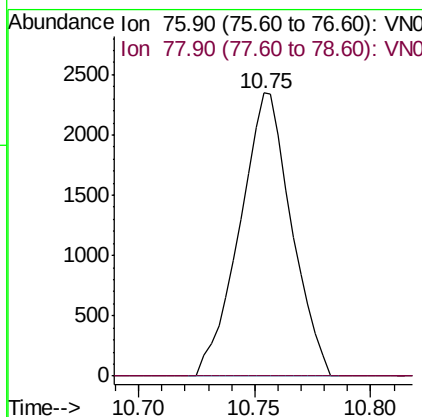
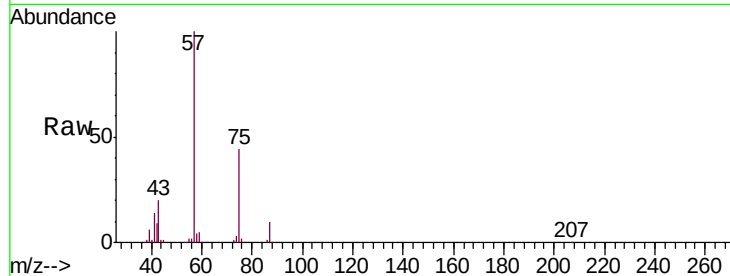




#57
 1,3-Dichloropropane
 Concen: 1.191 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059934.D
 Acq: 30 Jan 2020 17:16

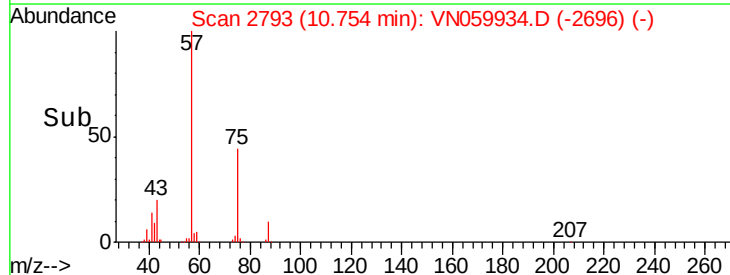
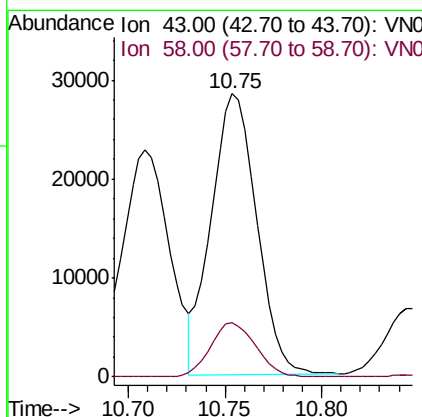
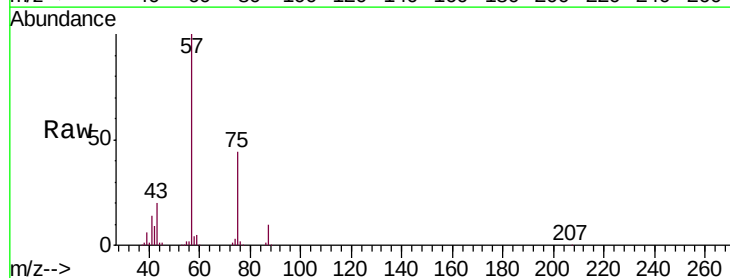
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126447ZHE#10

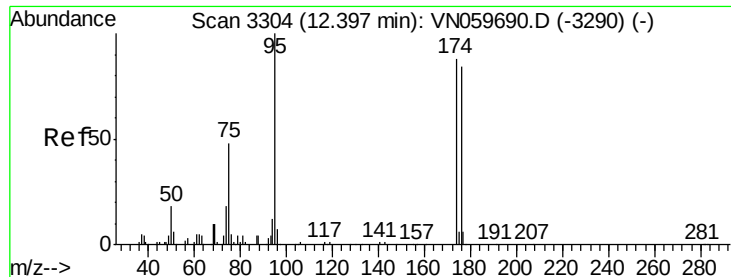
Tgt Ion: 76 Resp: 3636
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 26.288 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059934.D
 Acq: 30 Jan 2020 17:16

Tgt Ion: 43 Resp: 46555
 Ion Ratio Lower Upper
 43 100
 58 19.3 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 50.132 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059934.D

Acq: 30 Jan 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

PB126447ZHE#10

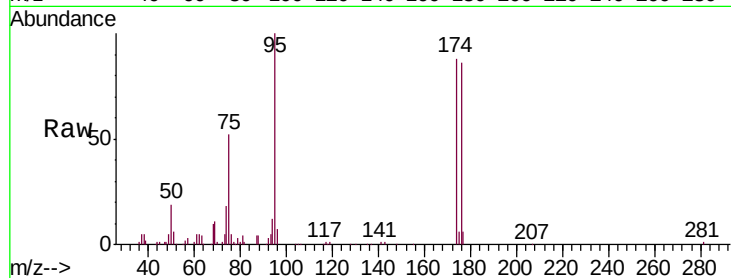
Tgt Ion: 95 Resp: 123602

Ion Ratio Lower Upper

95 100

174 87.2 0.0 151.4

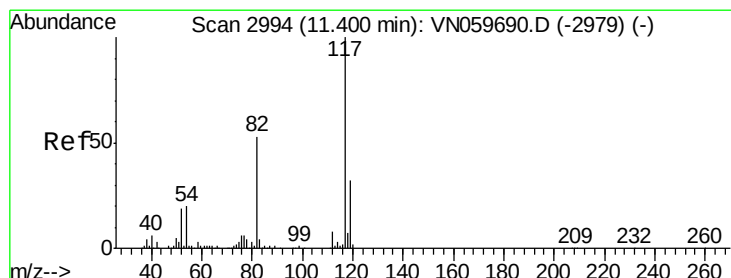
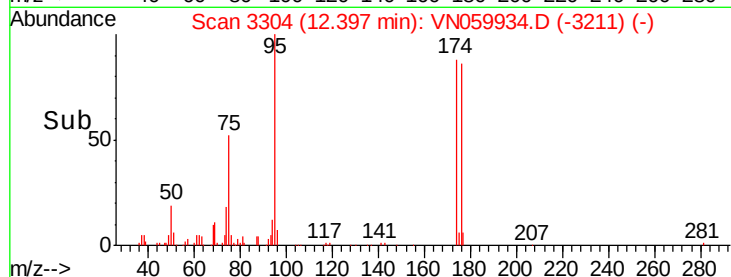
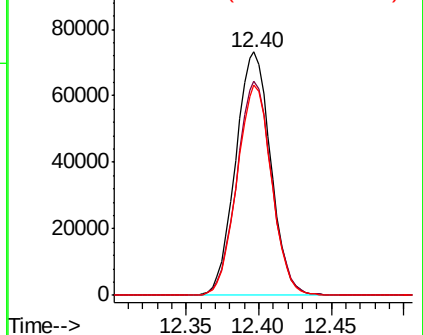
176 85.1 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059934.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN059934.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN059934.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059934.D

Acq: 30 Jan 2020 17:16

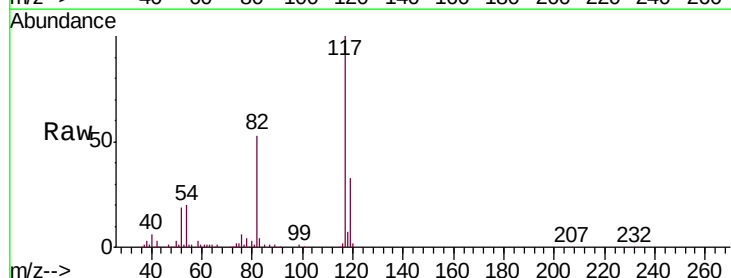
Tgt Ion: 117 Resp: 272098

Ion Ratio Lower Upper

117 100

82 52.6 45.9 68.9

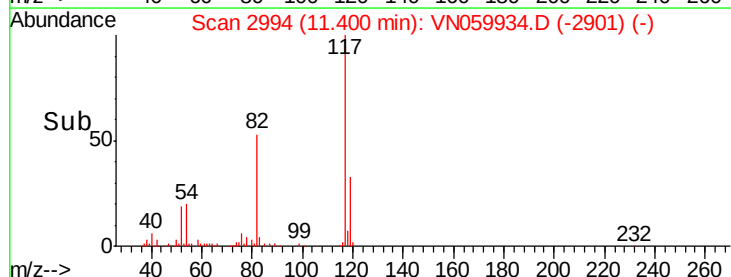
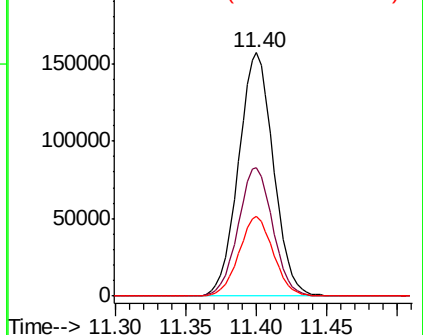
119 32.6 25.5 38.3

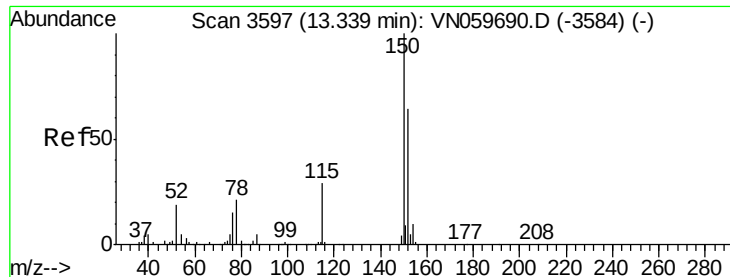


Abundance Ion 116.90 (116.60 to 117.60): VN059934.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059934.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059934.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059934.D

Acq: 30 Jan 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

PB126447ZHE#10

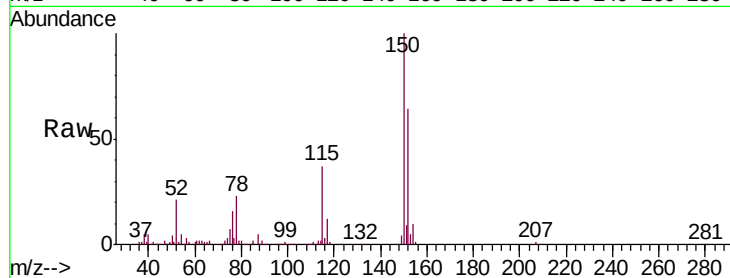
Tgt Ion:152 Resp: 121835

Ion Ratio Lower Upper

152 100

115 57.8 30.3 90.9

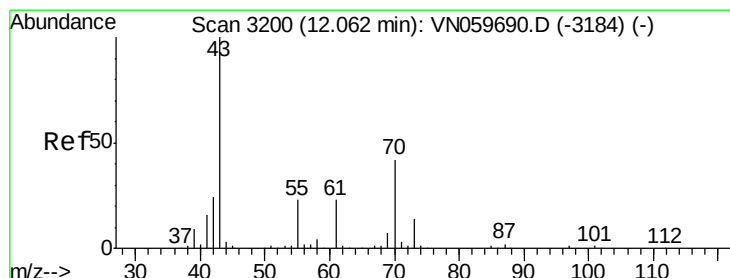
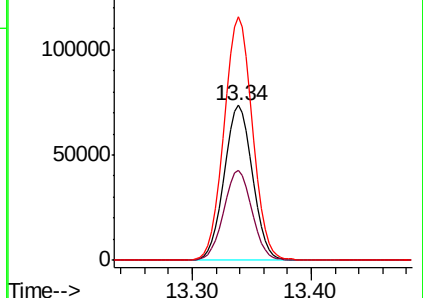
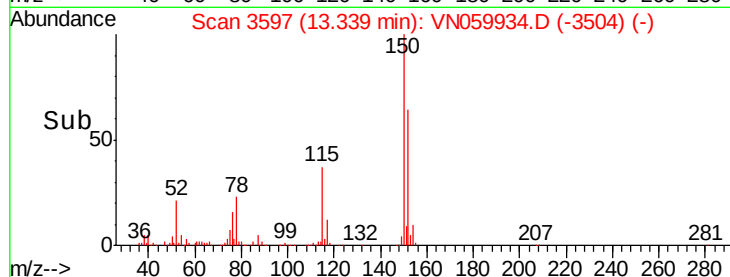
150 156.9 0.0 345.2



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-ethyl acetate

Concen: 0.495 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.03 min

Lab File: VN059934.D

Acq: 30 Jan 2020 17:16

Tgt Ion: 43 Resp: 1715

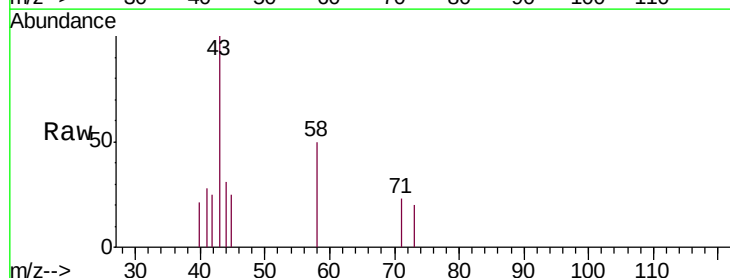
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

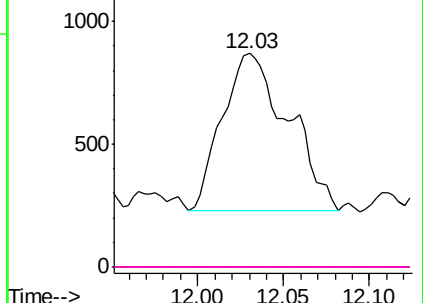
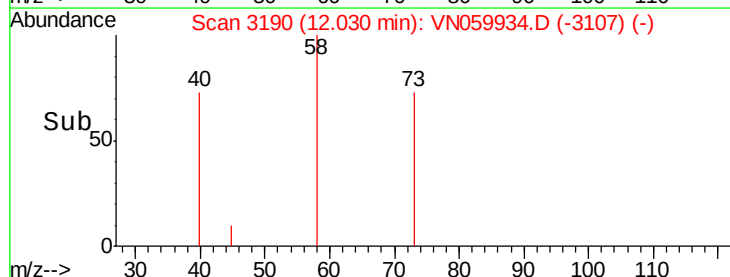


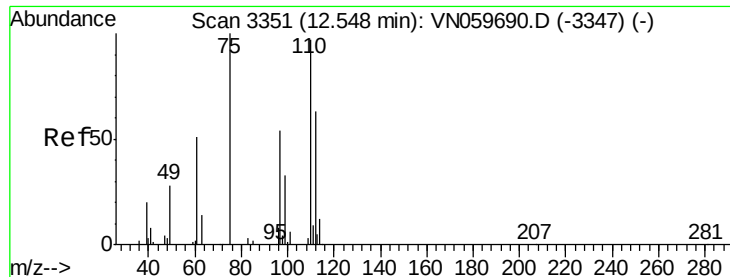
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 30.966 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059934.D

Acq: 30 Jan 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

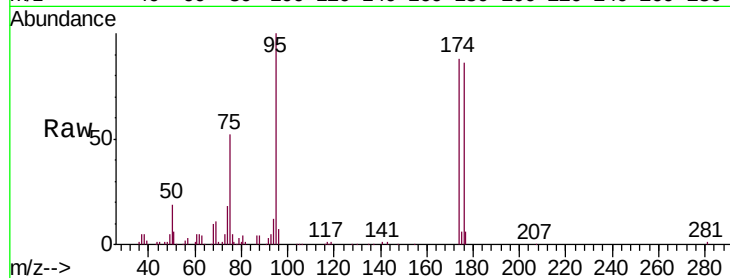
PB126447ZHE#10

Tgt Ion: 75 Resp: 63491

Ion Ratio Lower Upper

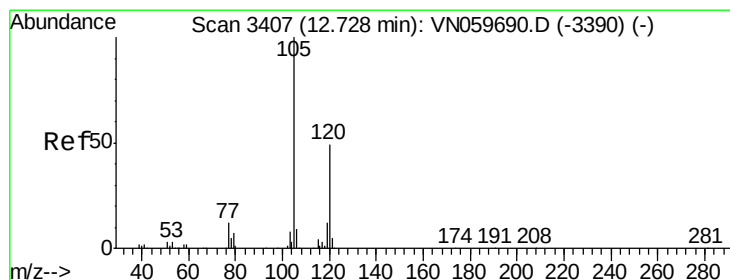
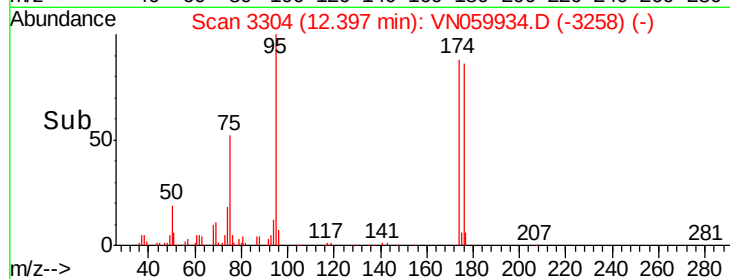
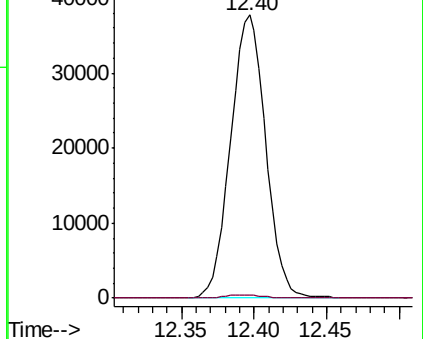
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059934.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN059934.D (-3304) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.326 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059934.D

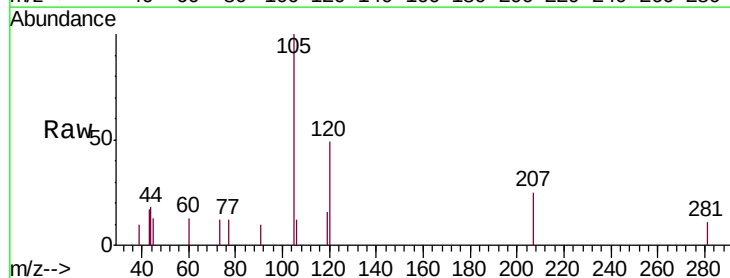
Acq: 30 Jan 2020 17:16

Tgt Ion: 105 Resp: 2452

Ion Ratio Lower Upper

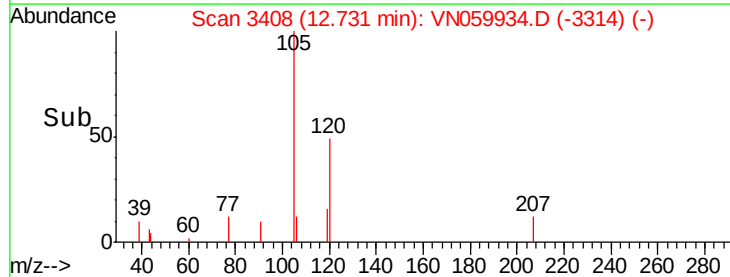
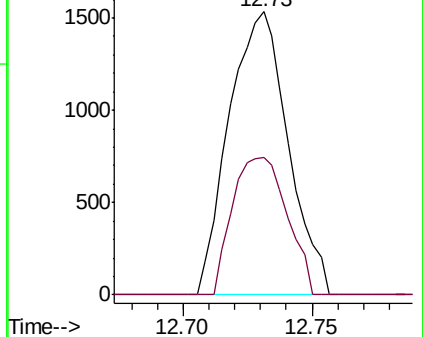
105 100

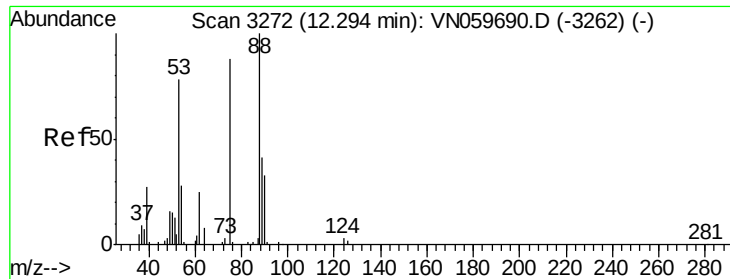
120 44.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059934.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN059934.D (-3314) (-)

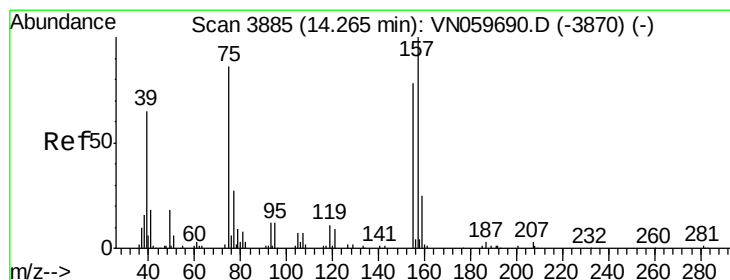
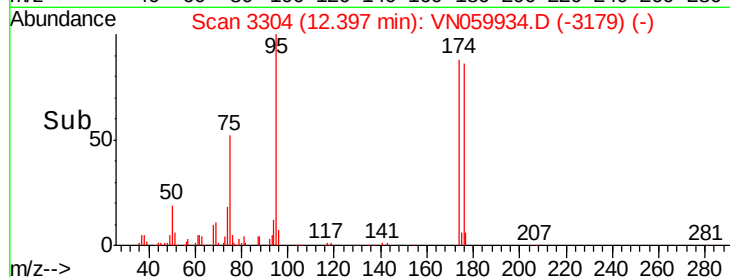
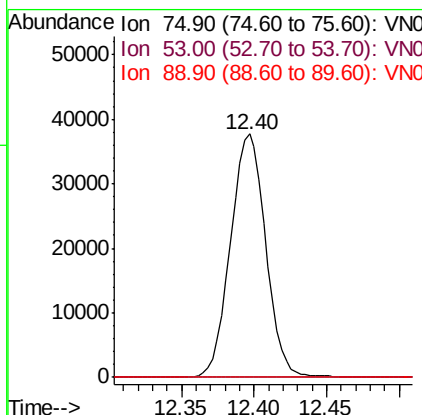
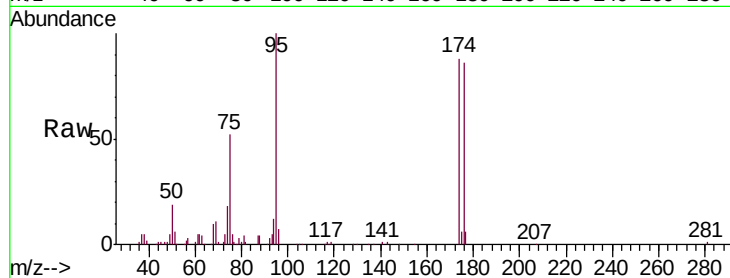




#81
trans-1,4-Dichloro-2-butene
Concen: 66.499 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059934.D
Acq: 30 Jan 2020 17:16

Instrument :
MSVOA_N
ClientSampleId :
PB126447ZHE#10

Tgt Ion: 75 Resp: 63491
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: Below Cal
RT: 14.26 min Scan# 3885
Delta R.T. 0.00 min
Lab File: VN059934.D
Acq: 30 Jan 2020 17:16

Tgt Ion: 75 Resp: 185
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#

