

Data File : VN059953.D
Acq On : 31 Jan 2020 17:13
Operator : JC/MD
Sample : PB126487ZHE#04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#04

Quant Time: Feb 03 01:22:28 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	190202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	293582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124633	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	107626	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
35) Dibromofluoromethane	7.57	113	89045	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.08	98	352182	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.40	95	125131	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	

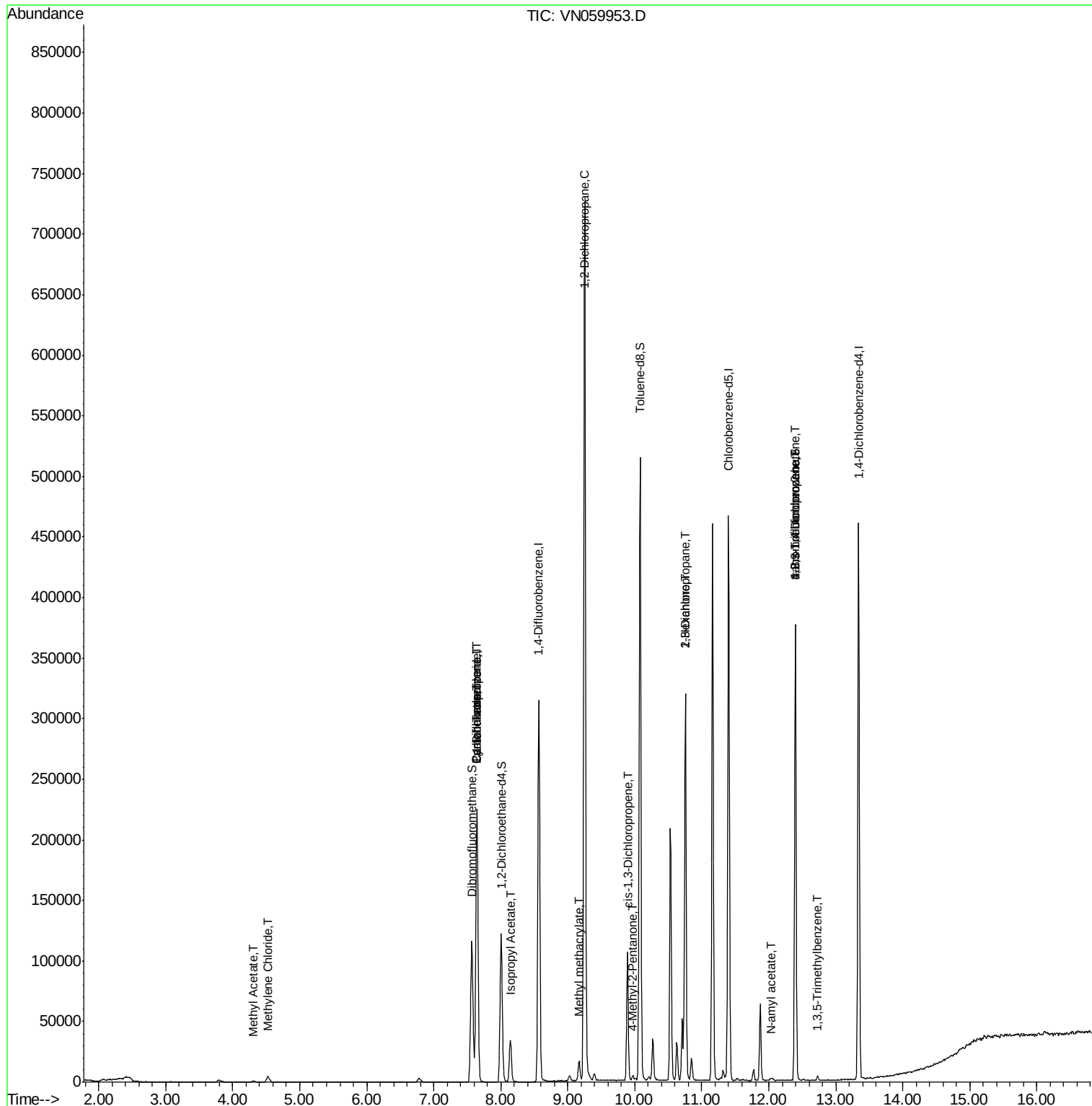
Target Compounds				Qvalue		
16) Acetone	3.79	43	3662	Below Cal		89
18) Methyl Acetate	4.30	43	853	0.346 ug/l #		54
20) Methylene Chloride	4.52	84	3883	0.757 ug/l #		84
31) Cyclohexane	7.64	56	3542	1.133 ug/l #		1
36) 1,1-Dichloropropene	7.64	75	13468	5.268 ug/l #		50
38) Carbon Tetrachloride	7.64	117	17345	6.237 ug/l #		16
43) Isopropyl Acetate	8.14	43	41638	10.095 ug/l #		91
45) 1,2-Dichloropropane	9.25	63	861	0.456 ug/l #		44
48) Methyl methacrylate	9.16	41	2248	1.219 ug/l #		13
51) 4-Methyl-2-Pentanone	9.97	43	3028	1.270 ug/l		89
54) cis-1,3-Dichloropropene	9.89	75	19835	6.295 ug/l #		58
57) 1,3-Dichloropropane	10.75	76	3562	1.176 ug/l #		42
59) 2-Hexanone	10.75	43	44942	25.587 ug/l #		54
74) N-amyl acetate	12.03	43	1493	0.421 ug/l #		45
76) 1,2,3-Trichloropropane	12.40	75	63547	30.297 ug/l #		100
80) 1,3,5-Trimethylbenzene	12.73	105	2322	0.302 ug/l		99
81) trans-1,4-Dichloro-2-buten	12.40	75	63547	65.064 ug/l #		11
92) 1,2-Dibromo-3-Chloropropan	14.33	75	32	Below Cal #		6

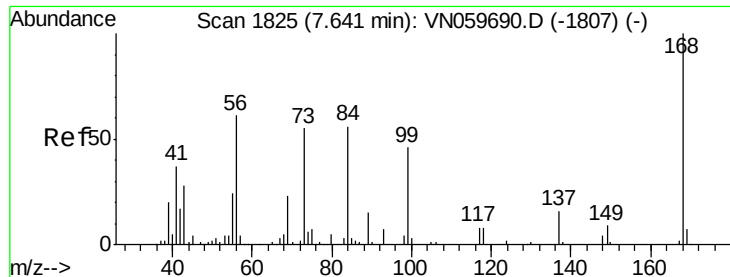
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN059953.D

Acq: 31 Jan 2020 17:13

Instrument :

MSVOA_N

ClientSampleId :

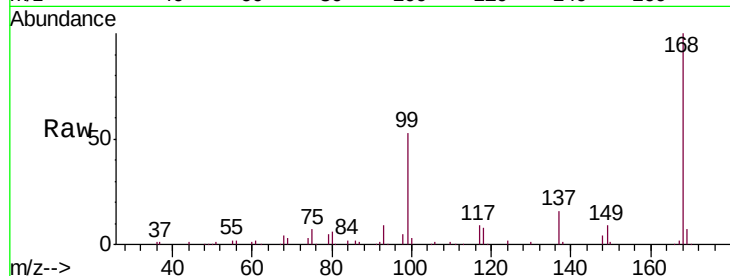
PB126487ZHE#04

Tgt Ion:168 Resp: 190202

Ion Ratio Lower Upper

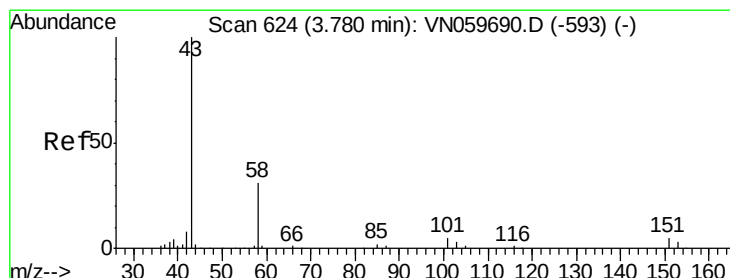
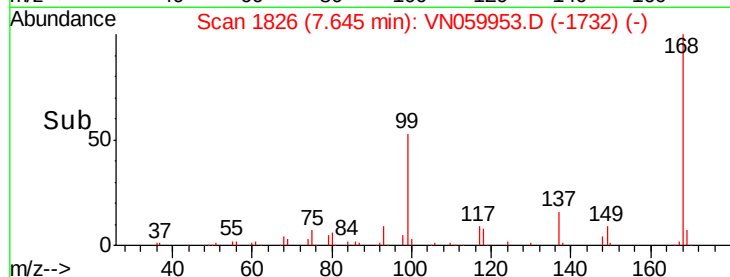
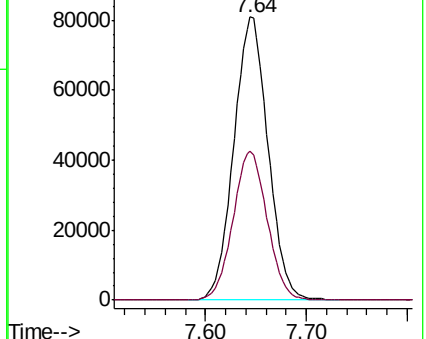
168 100

99 52.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059690.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059690.D (-1807) (-)



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059953.D

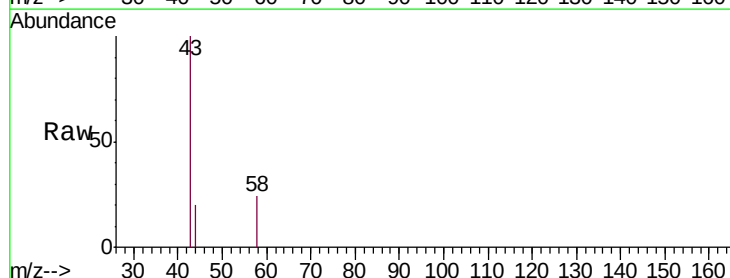
Acq: 31 Jan 2020 17:13

Tgt Ion: 43 Resp: 3662

Ion Ratio Lower Upper

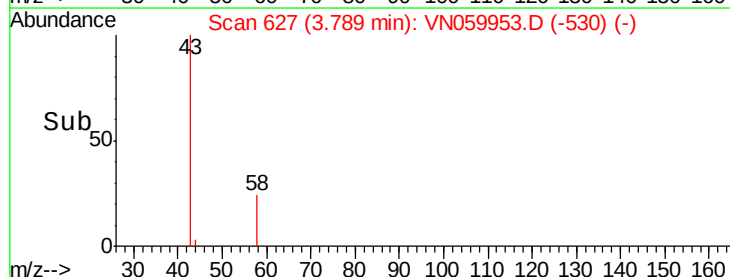
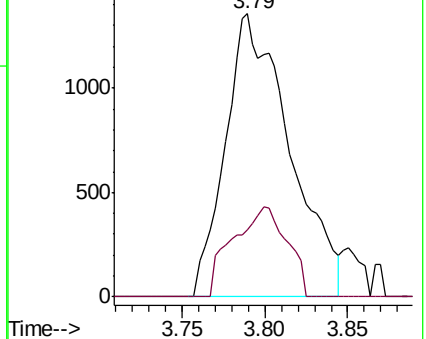
43 100

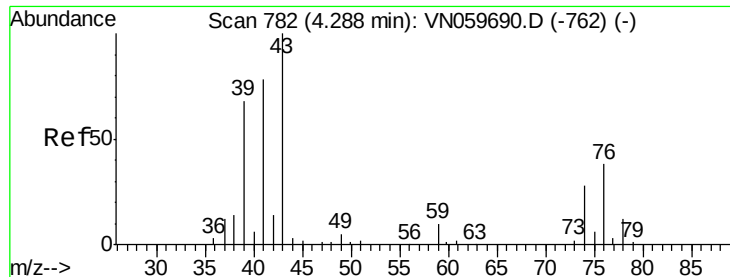
58 23.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-593) (-)





#18

Methyl Acetate

Concen: 0.346 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN059953.D

Acq: 31 Jan 2020 17:13

Instrument :

MSVOA_N

ClientSampleId :

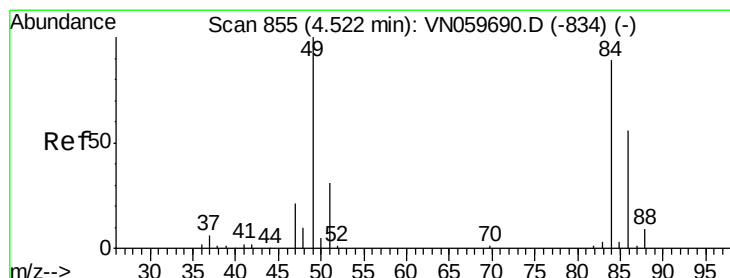
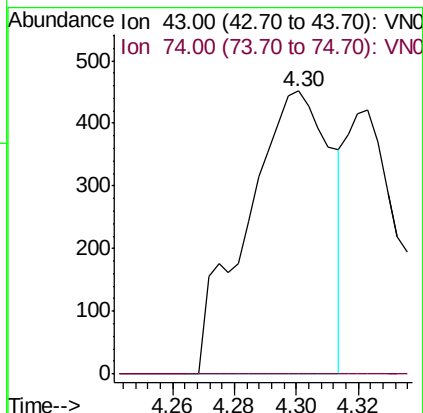
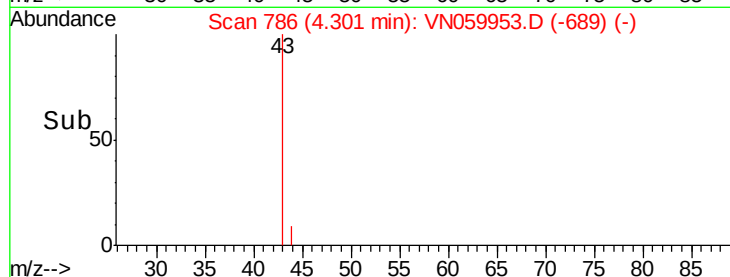
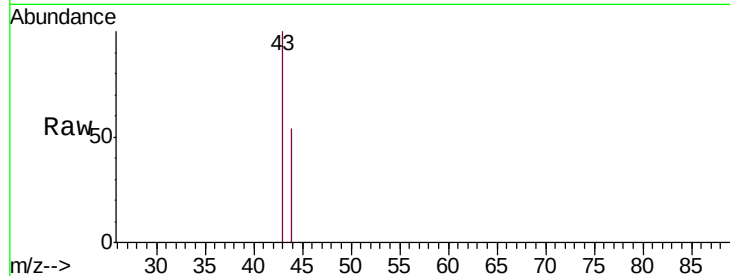
PB126487ZHE#04

Tgt Ion: 43 Resp: 853

Ion Ratio Lower Upper

43 100

74 0.0 17.5 26.3#



#20

Methylene Chloride

Concen: 0.757 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059953.D

Acq: 31 Jan 2020 17:13

Tgt Ion: 84 Resp: 3883

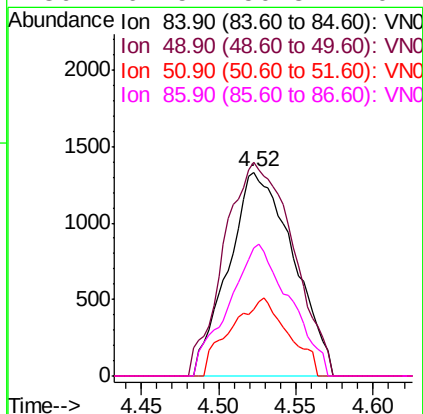
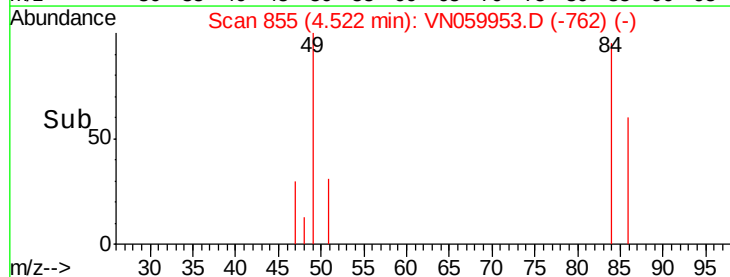
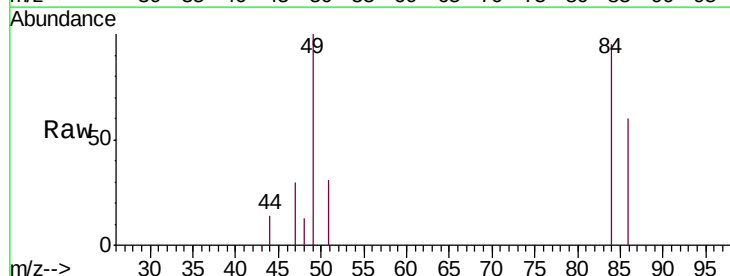
Ion Ratio Lower Upper

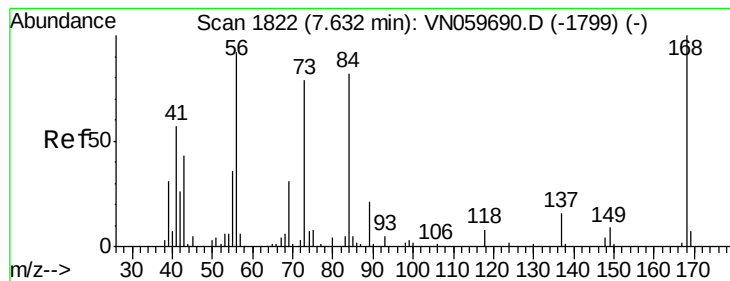
84 100

49 104.7 106.6 160.0#

51 32.4 31.9 47.9

86 62.5 50.8 76.2





#31

Cyclohexane

Concen: 1.133 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059953.D

Acq: 31 Jan 2020 17:13

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#04

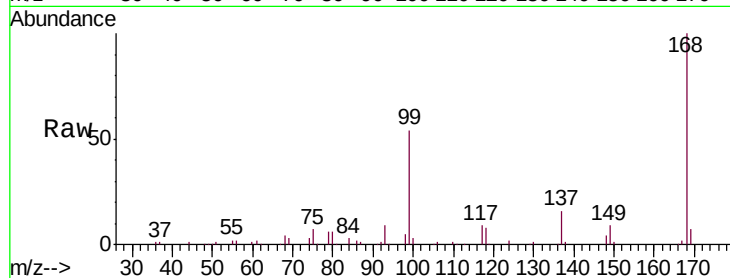
Tgt Ion: 56 Resp: 3542

Ion Ratio Lower Upper

56 100

69 156.4 26.5 39.7#

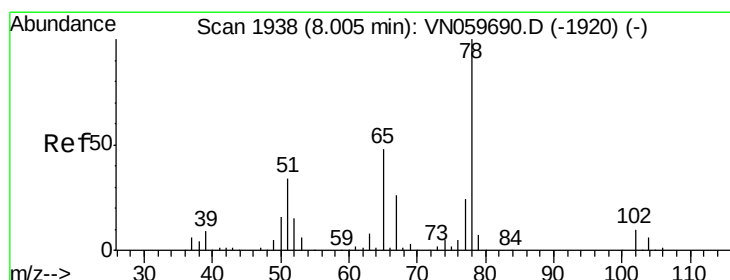
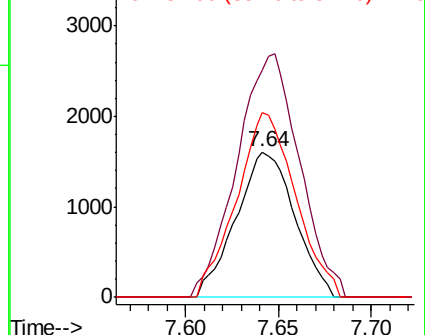
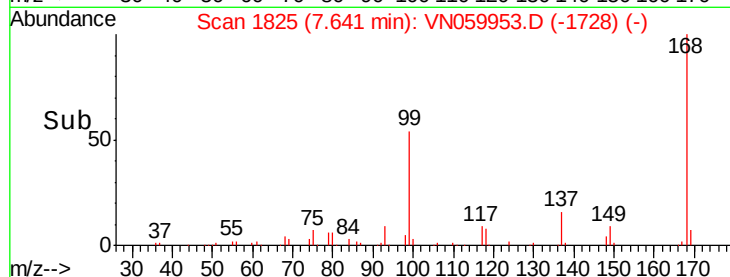
84 127.5 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN059953.D (-1728) (-)

Ion 69.00 (68.70 to 69.70): VN059953.D (-1728) (-)

Ion 84.00 (83.70 to 84.70): VN059953.D (-1728) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.953 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059953.D

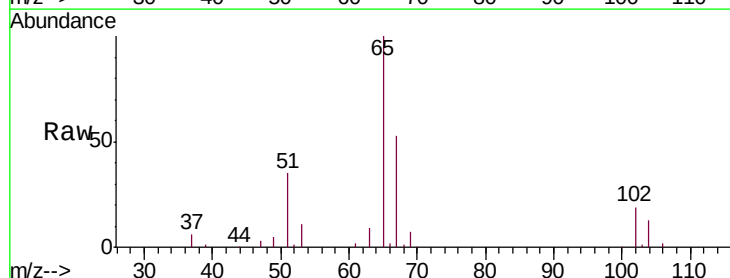
Acq: 31 Jan 2020 17:13

Tgt Ion: 65 Resp: 107626

Ion Ratio Lower Upper

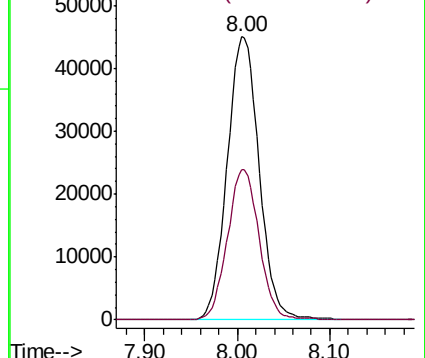
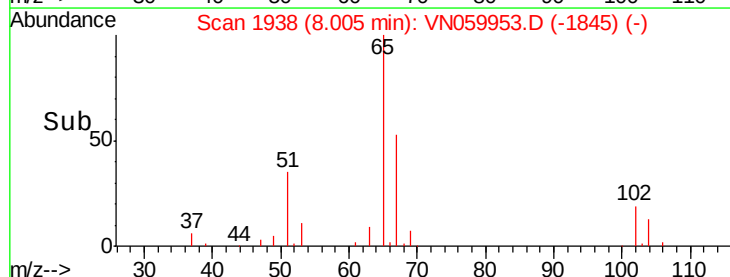
65 100

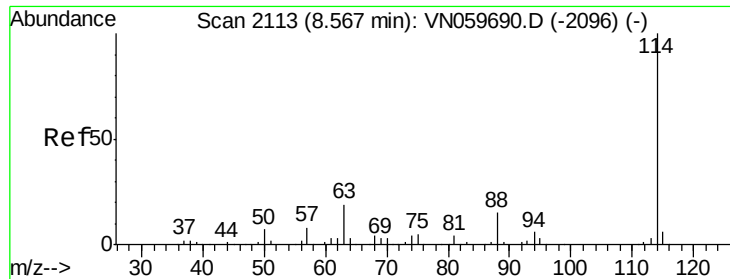
67 52.5 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN059953.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059953.D (-1845) (-)

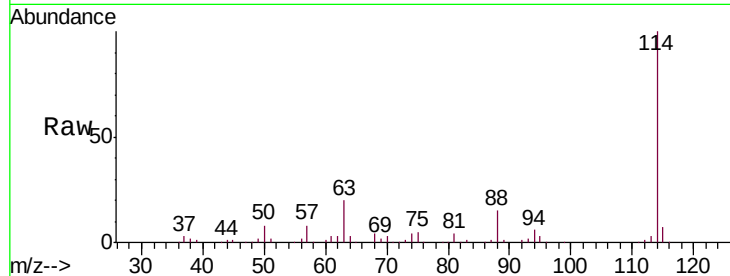




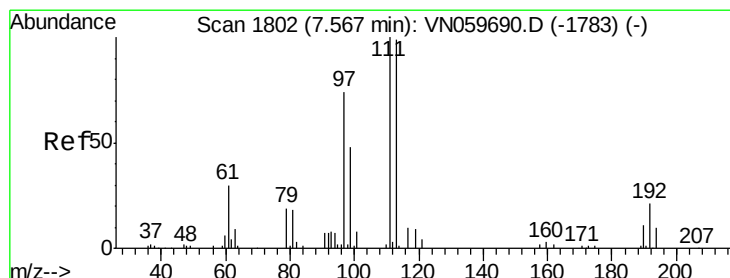
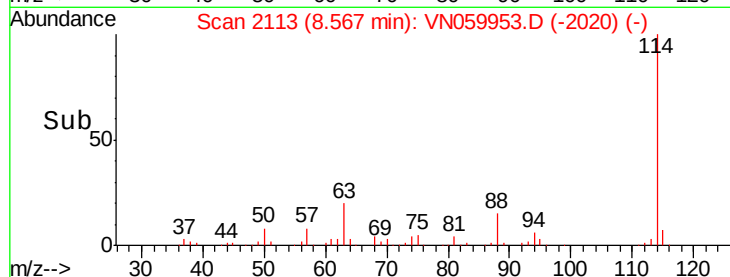
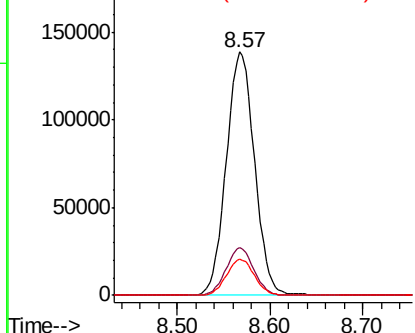
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN059953.D
Acq: 31 Jan 2020 17:13

Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#04

Tgt Ion:114 Resp: 293582
Ion Ratio Lower Upper
114 100
63 19.5 0.0 43.6
88 14.8 0.0 31.4

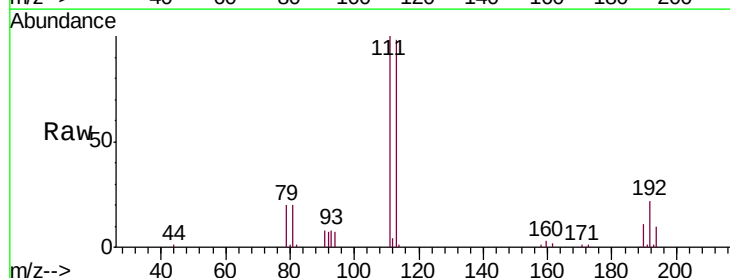


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

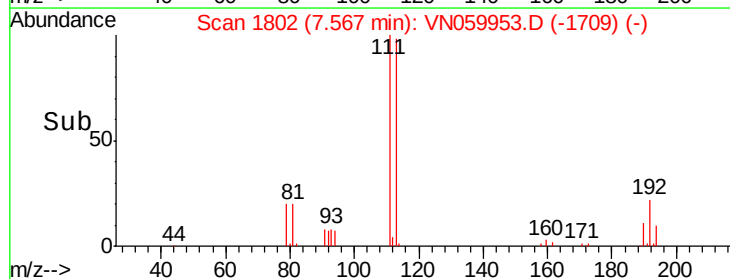
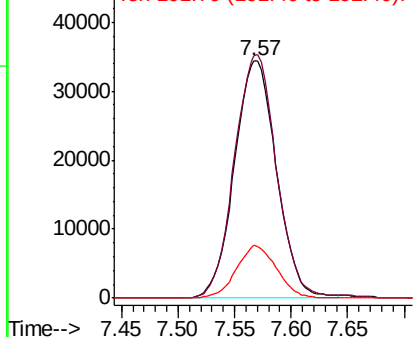


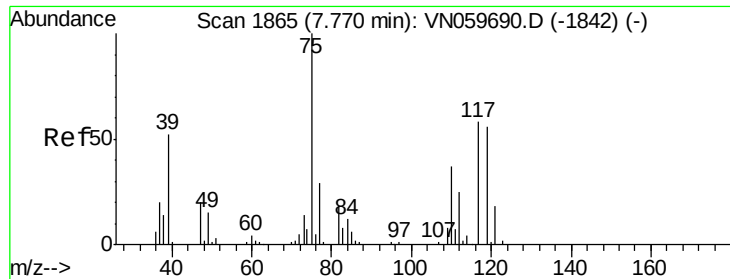
#35
Dibromofluoromethane
Concen: 50.861 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059953.D
Acq: 31 Jan 2020 17:13

Tgt Ion:113 Resp: 89045
Ion Ratio Lower Upper
113 100
111 102.5 83.5 125.3
192 21.1 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

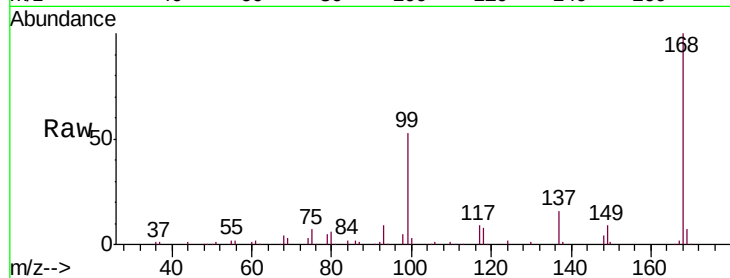




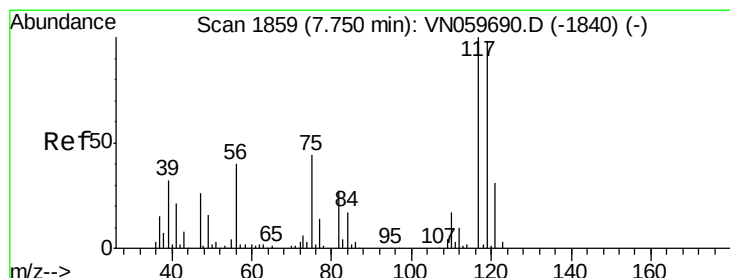
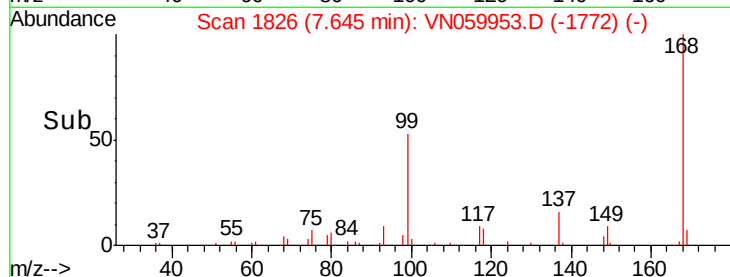
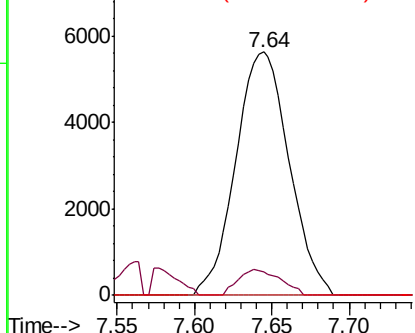
#36
 1,1-Dichloropropene
 Concen: 5.268 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059953.D
 Acq: 31 Jan 2020 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#04

Tgt Ion: 75 Resp: 13468
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.6 49.7#
 77 0.0 25.1 37.7#

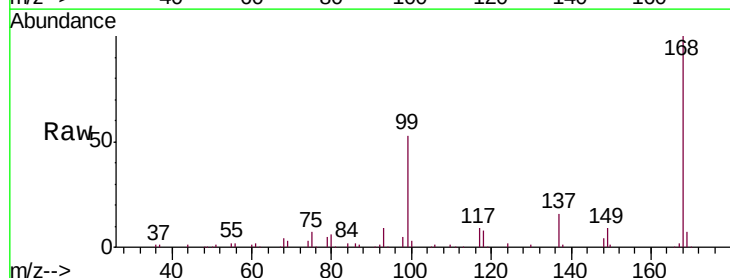


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

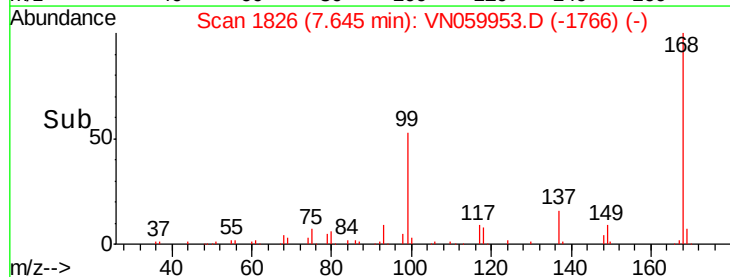
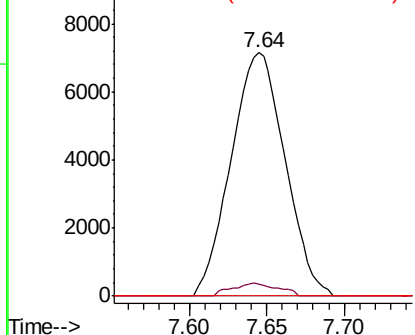


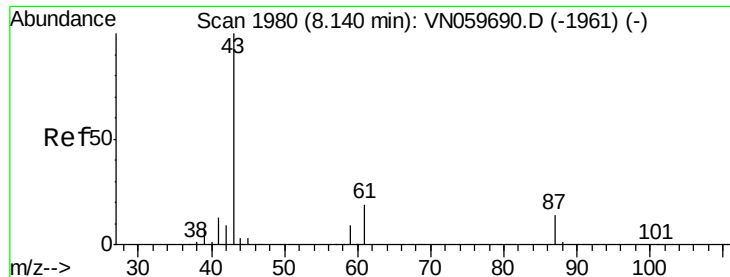
#38
 Carbon Tetrachloride
 Concen: 6.237 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059953.D
 Acq: 31 Jan 2020 17:13

Tgt Ion: 117 Resp: 17345
 Ion Ratio Lower Upper
 117 100
 119 4.9 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: 10.095 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059953.D

Acq: 31 Jan 2020 17:13

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#04

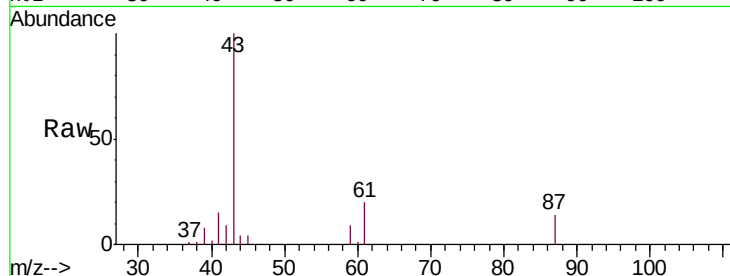
Tgt Ion: 43 Resp: 41638

Ion Ratio Lower Upper

43 100

61 19.8 20.2 30.2#

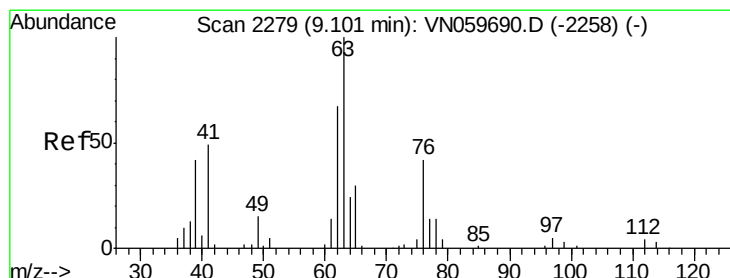
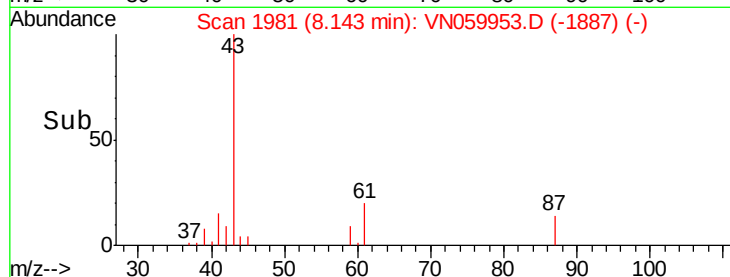
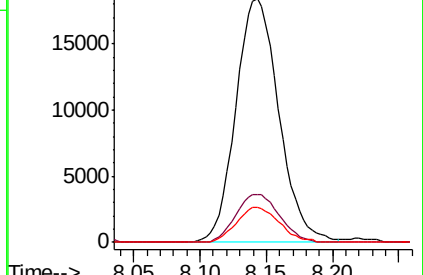
87 14.3 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059953.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059953.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059953.D (-1961) (-)



#45

1,2-Dichloropropane

Concen: 0.456 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059953.D

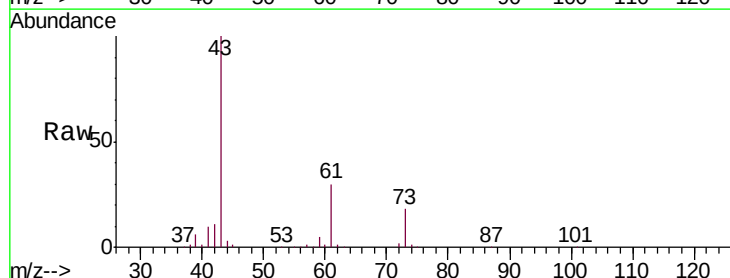
Acq: 31 Jan 2020 17:13

Tgt Ion: 63 Resp: 861

Ion Ratio Lower Upper

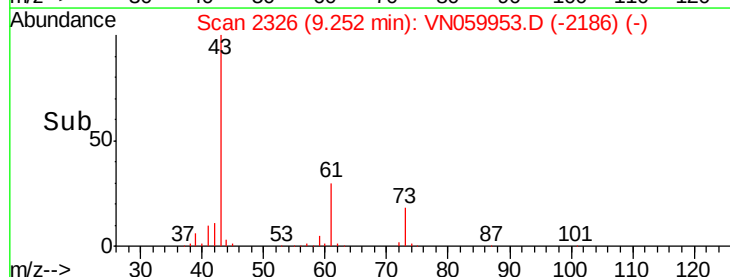
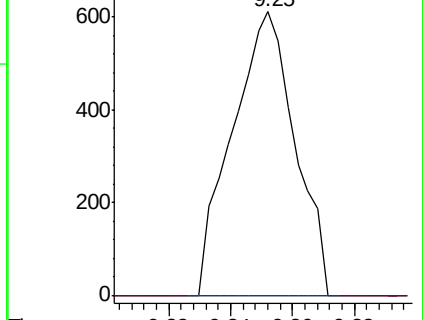
63 100

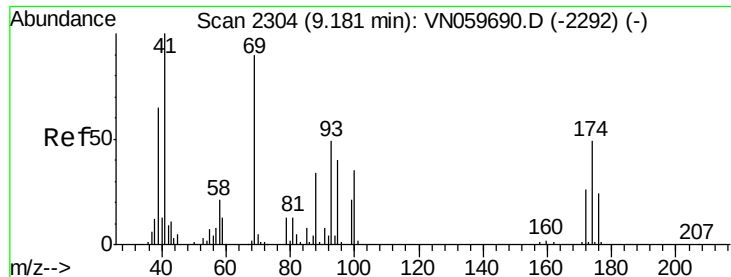
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059953.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059953.D (-2186) (-)

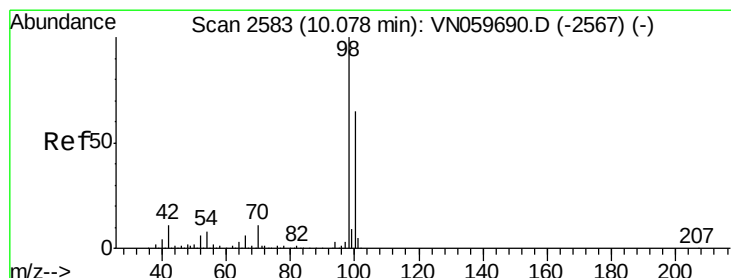
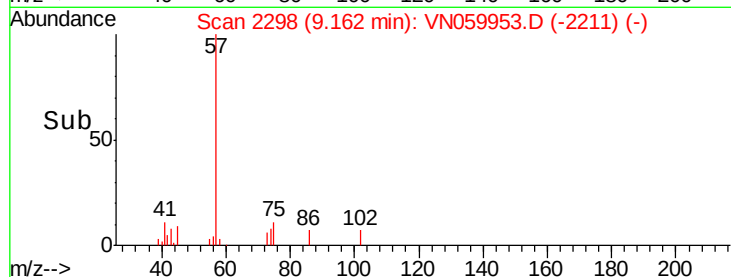
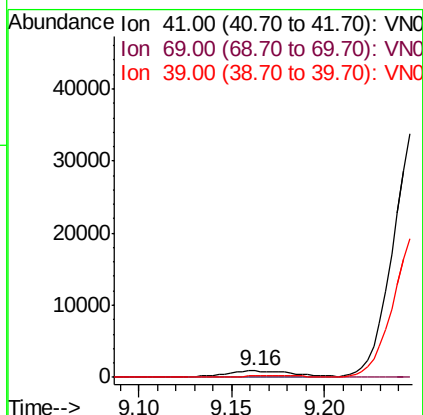
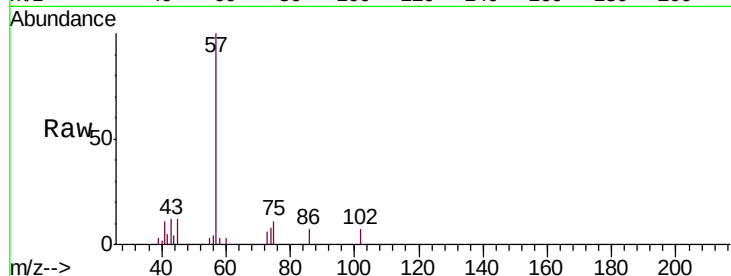




#48
Methyl methacrylate
Concen: 1.219 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN059953.D
Acq: 31 Jan 2020 17:13

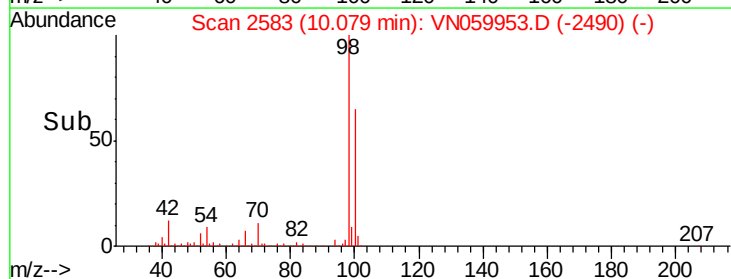
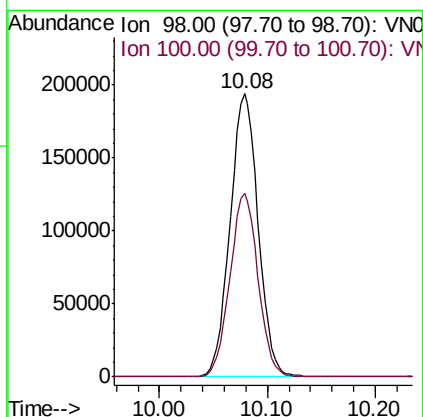
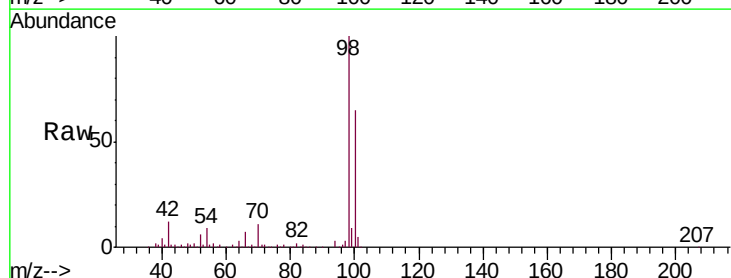
Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#04

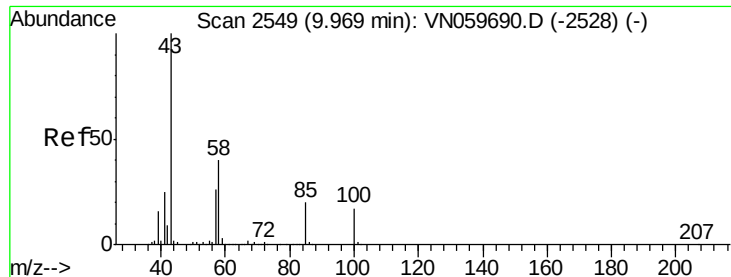
Tgt Ion: 41 Resp: 2248
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.919 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059953.D
Acq: 31 Jan 2020 17:13

Tgt Ion: 98 Resp: 352182
Ion Ratio Lower Upper
98 100
100 65.0 51.2 76.8

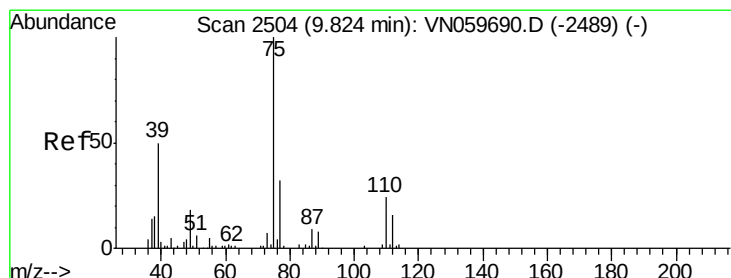
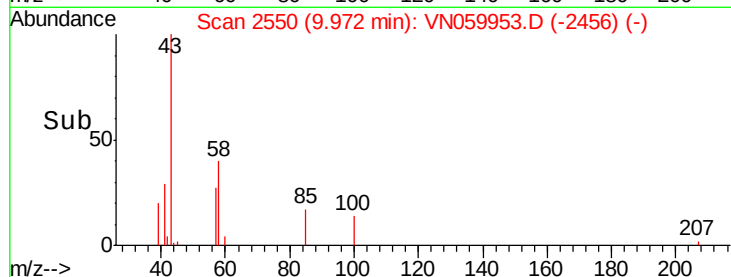
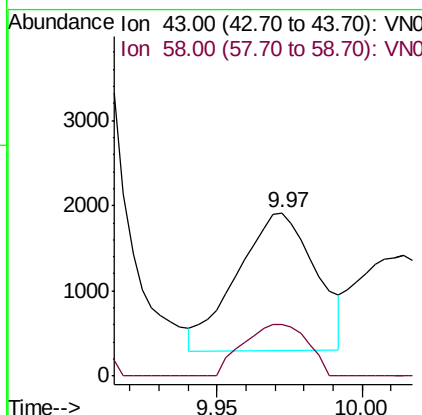
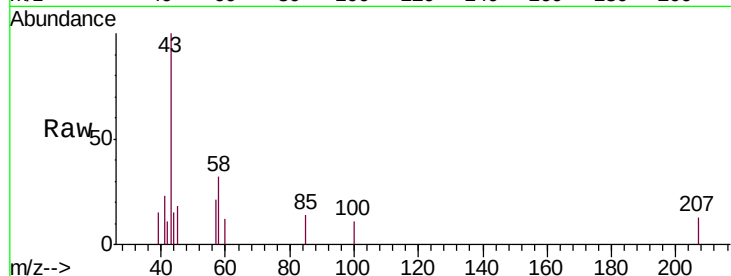




#51
 4-Methyl-2-Pentanone
 Concen: 1.270 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059953.D
 Acq: 31 Jan 2020 17:13

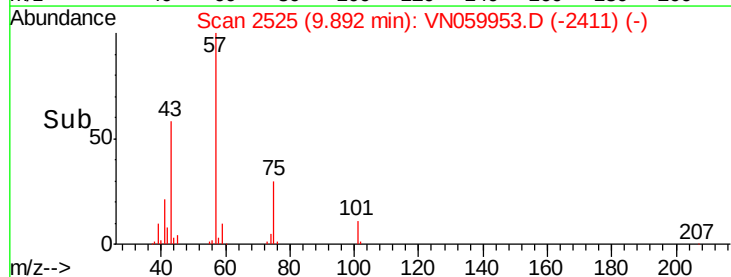
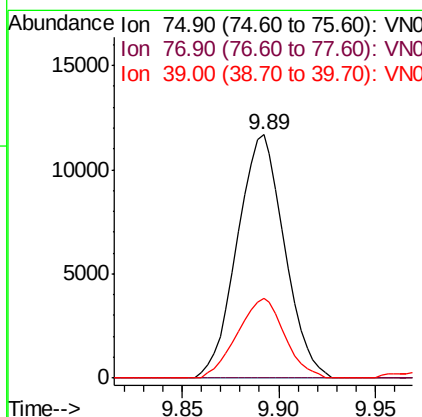
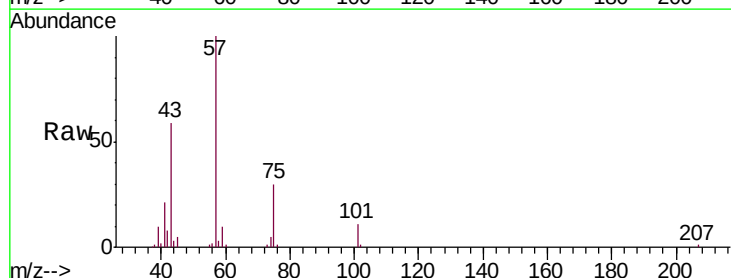
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#04

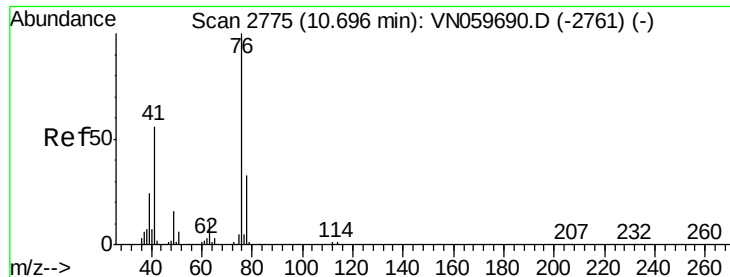
Tgt Ion: 43 Resp: 3028
 Ion Ratio Lower Upper
 43 100
 58 31.0 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 6.295 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN059953.D
 Acq: 31 Jan 2020 17:13

Tgt Ion: 75 Resp: 19835
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 32.7 46.1 69.1#

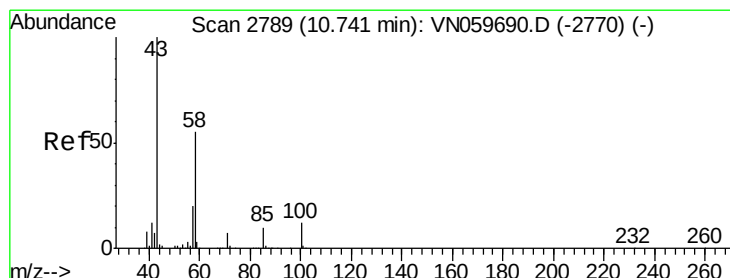
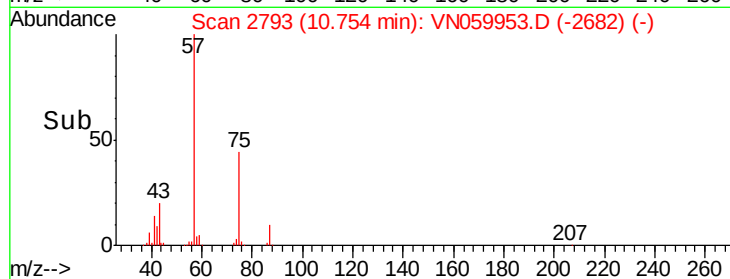
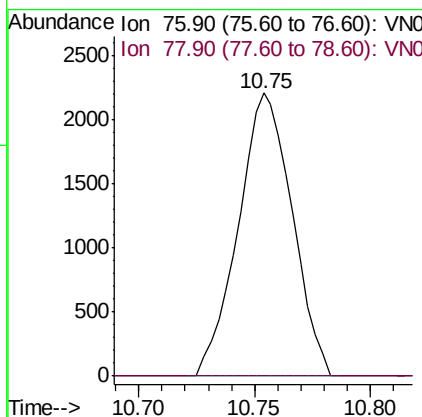
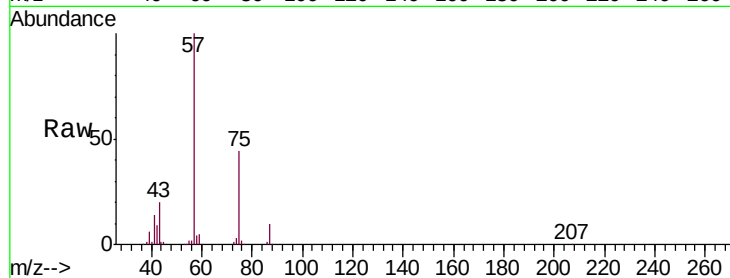




#57
 1,3-Dichloropropane
 Concen: 1.176 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059953.D
 Acq: 31 Jan 2020 17:13

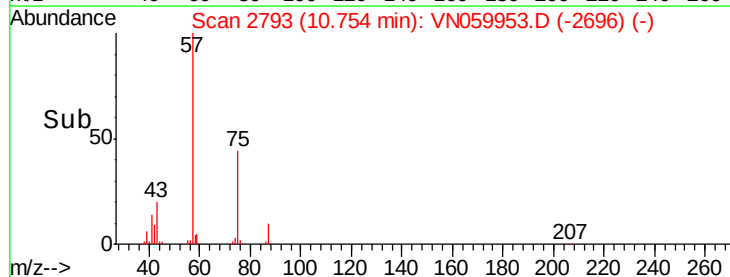
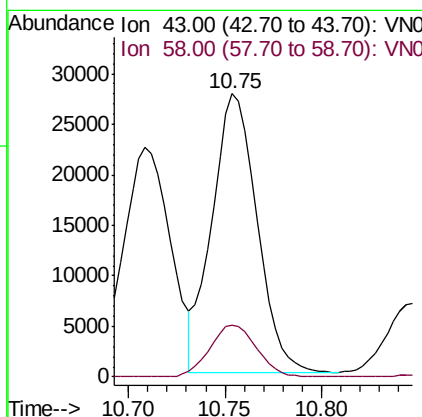
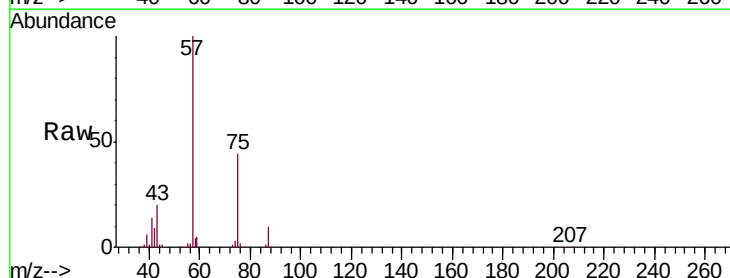
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#04

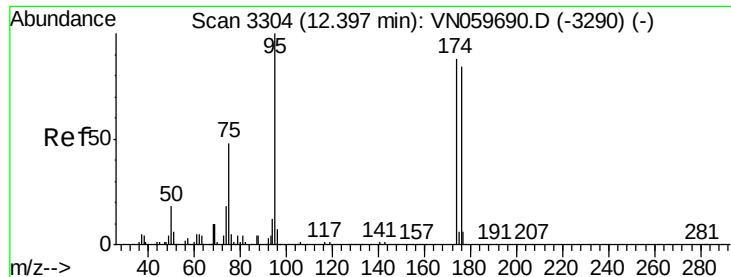
Tgt Ion: 76 Resp: 3562
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 25.587 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059953.D
 Acq: 31 Jan 2020 17:13

Tgt Ion: 43 Resp: 44942
 Ion Ratio Lower Upper
 43 100
 58 19.2 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 51.170 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059953.D

Acq: 31 Jan 2020 17:13

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#04

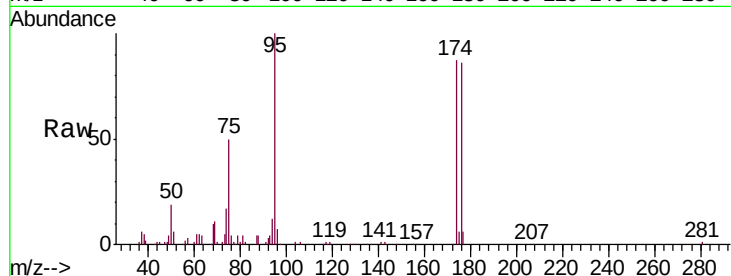
Tgt Ion: 95 Resp: 125131

Ion Ratio Lower Upper

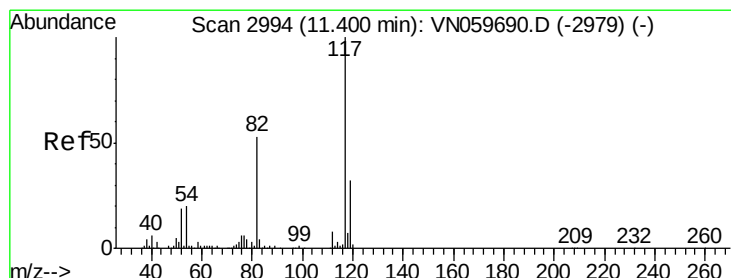
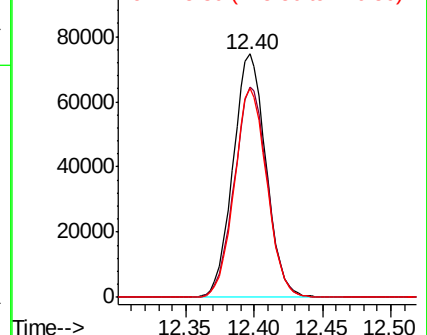
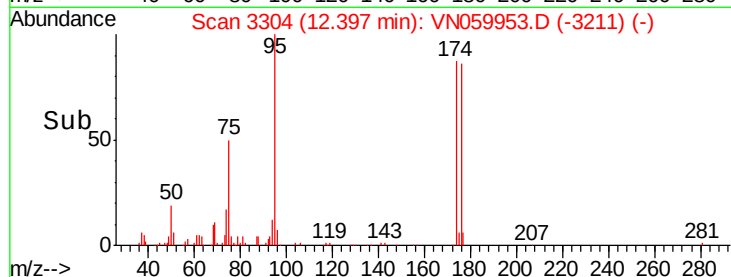
95 100

174 86.9 0.0 151.4

176 84.5 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059953.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059953.D

Acq: 31 Jan 2020 17:13

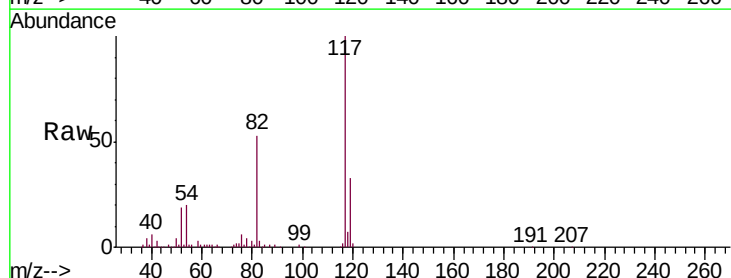
Tgt Ion: 117 Resp: 272966

Ion Ratio Lower Upper

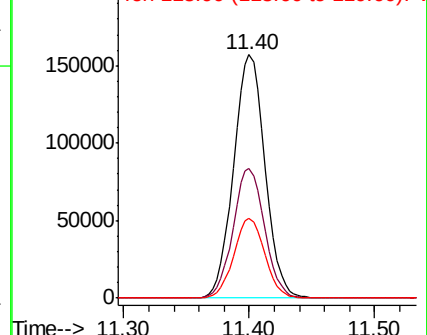
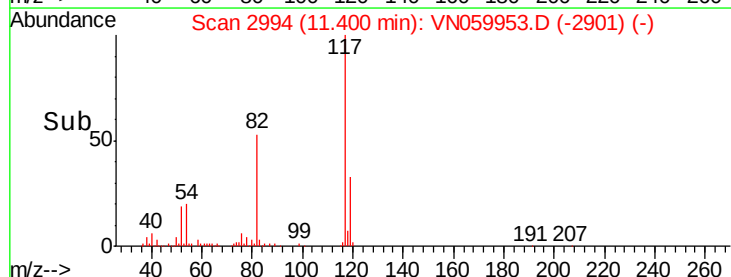
117 100

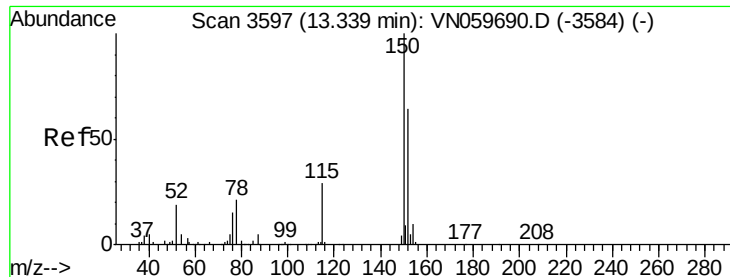
82 53.1 45.9 68.9

119 32.6 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN059953.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059953.D

Acq: 31 Jan 2020 17:13

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#04

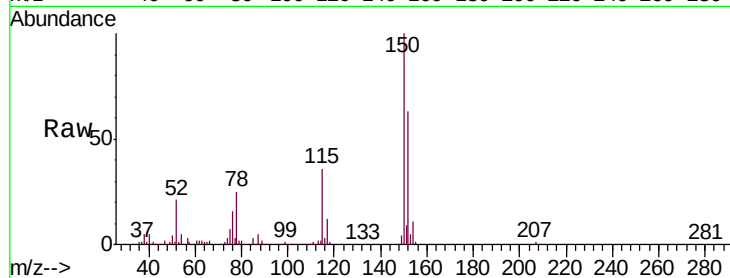
Tgt Ion:152 Resp: 124633

Ion Ratio Lower Upper

152 100

115 57.9 30.3 90.9

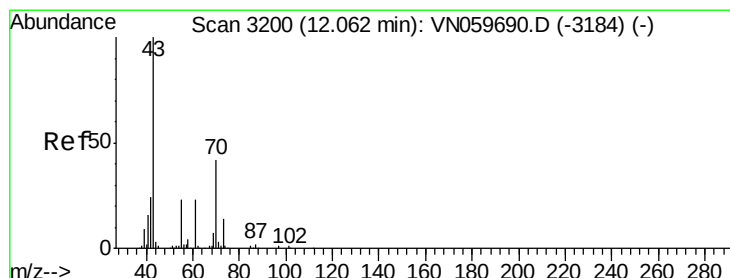
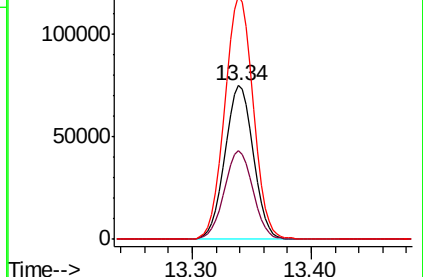
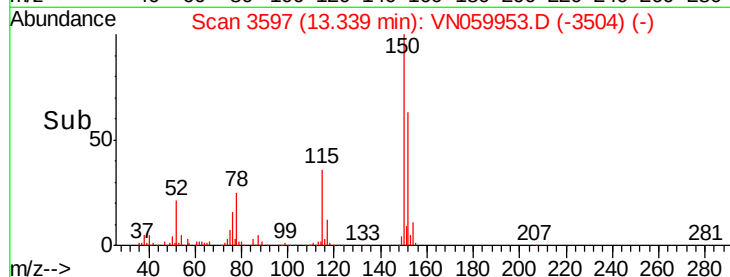
150 158.0 0.0 345.2



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



#74

N-ethyl acetate

Concen: 0.421 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059953.D

Acq: 31 Jan 2020 17:13

Tgt Ion: 43 Resp: 1493

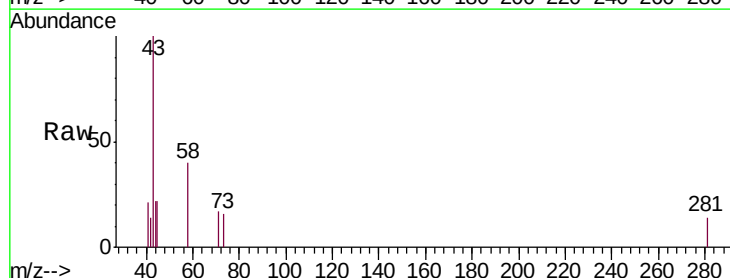
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

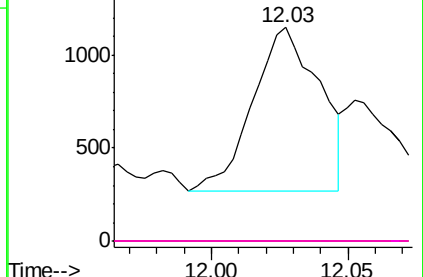
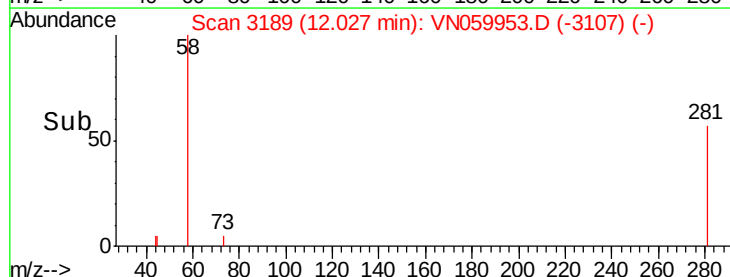


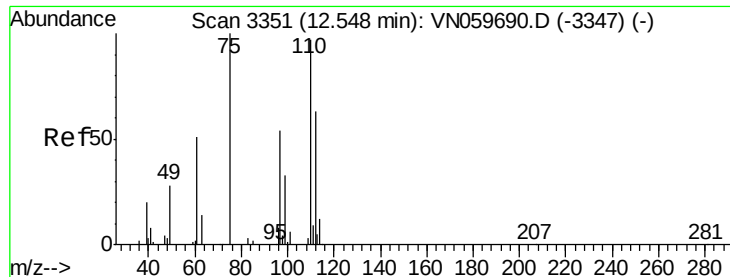
Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 30.297 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059953.D

Acq: 31 Jan 2020 17:13

Instrument :

MSVOA_N

ClientSampleId :

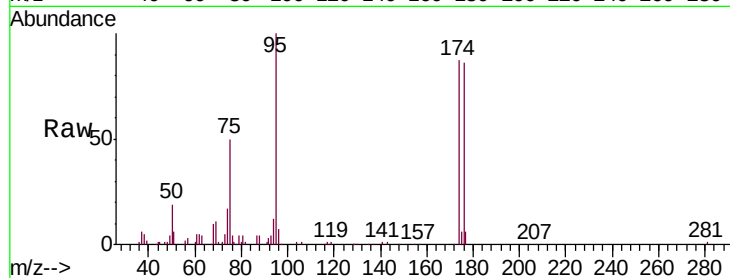
PB126487ZHE#04

Tgt Ion: 75 Resp: 63547

Ion Ratio Lower Upper

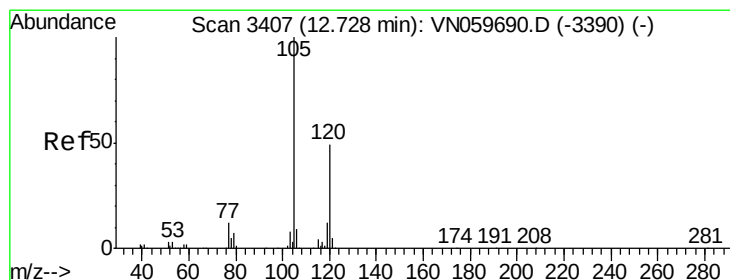
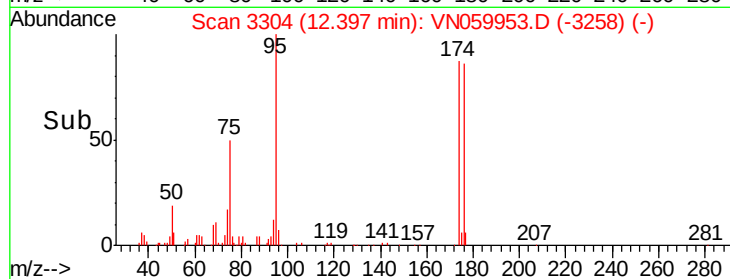
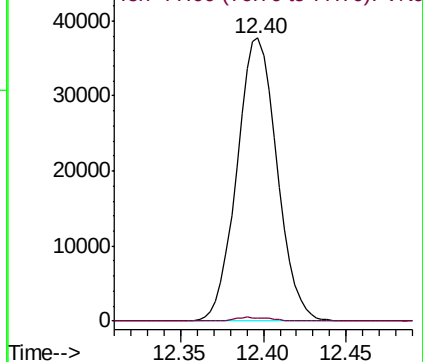
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.302 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059953.D

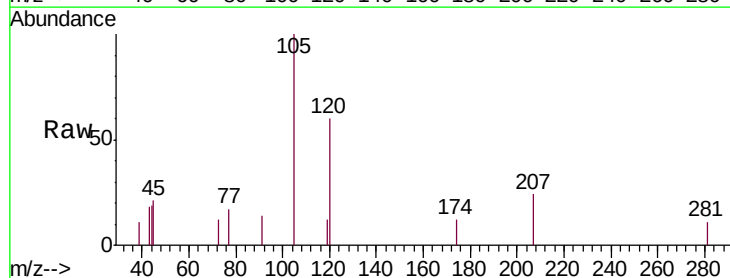
Acq: 31 Jan 2020 17:13

Tgt Ion: 105 Resp: 2322

Ion Ratio Lower Upper

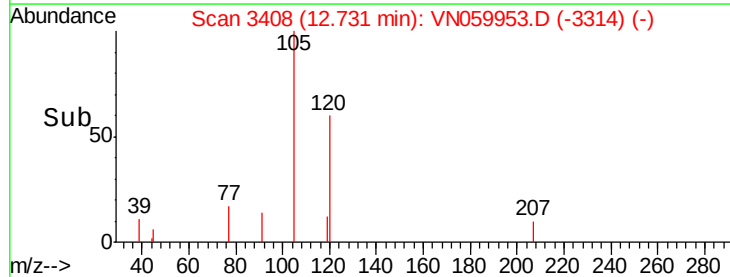
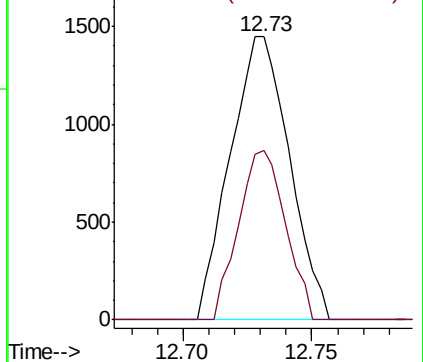
105 100

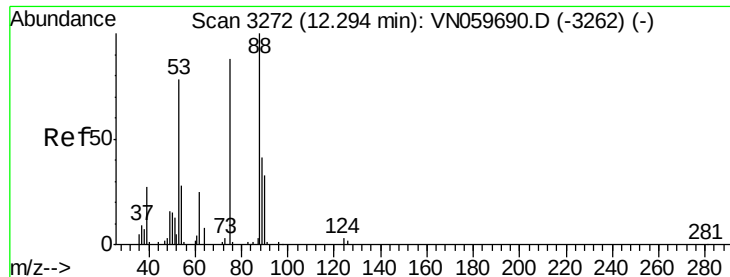
120 47.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 65.064 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059953.D

Acq: 31 Jan 2020 17:13

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#04

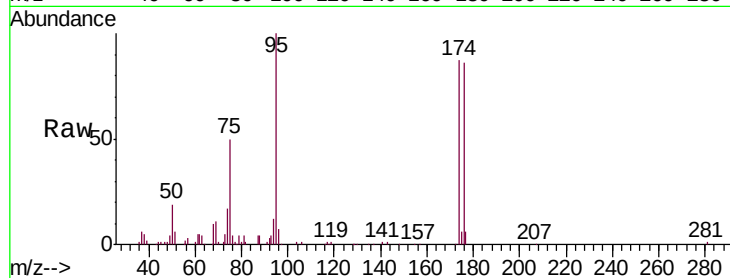
Tgt Ion: 75 Resp: 63547

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

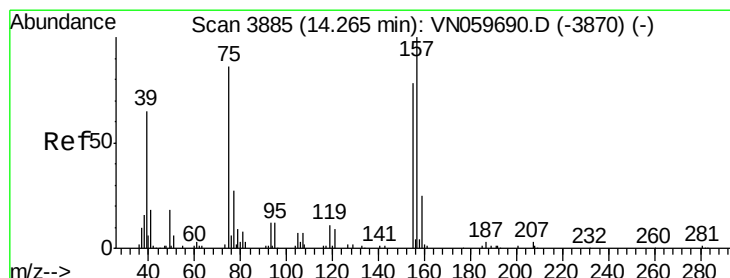
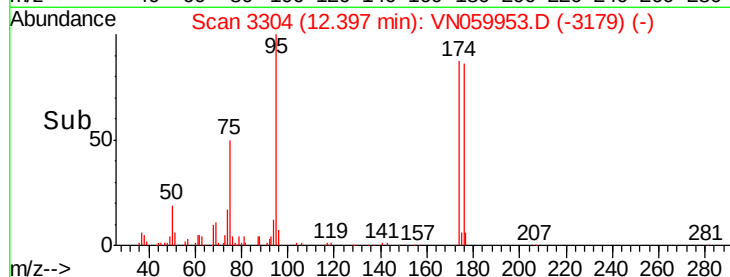
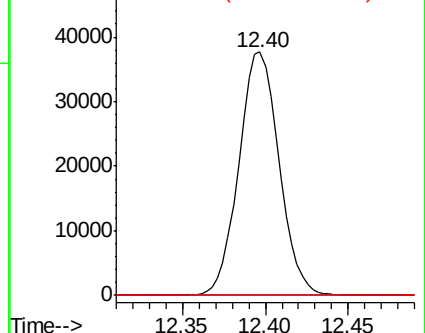
89 0.0 35.4 53.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.33 min Scan# 3906

Delta R.T. 0.07 min

Lab File: VN059953.D

Acq: 31 Jan 2020 17:13

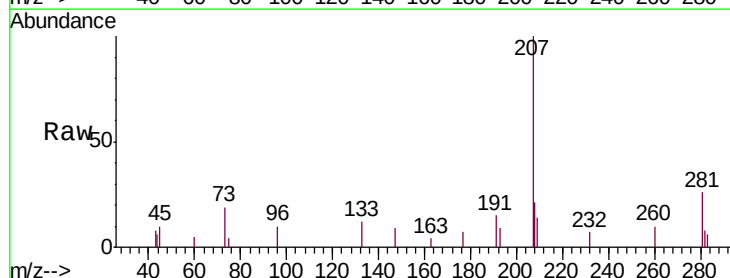
Tgt Ion: 75 Resp: 32

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

