

Data File : VN059950.D
Acq On : 31 Jan 2020 16:05
Operator : JC/MD
Sample : PB126487ZHE#01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#01

Quant Time: Feb 03 01:21:45 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	191447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	293461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	269698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122335	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	107328	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
35) Dibromofluoromethane	7.57	113	89905	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	10.08	98	352813	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.40	95	123983	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	

Target Compounds

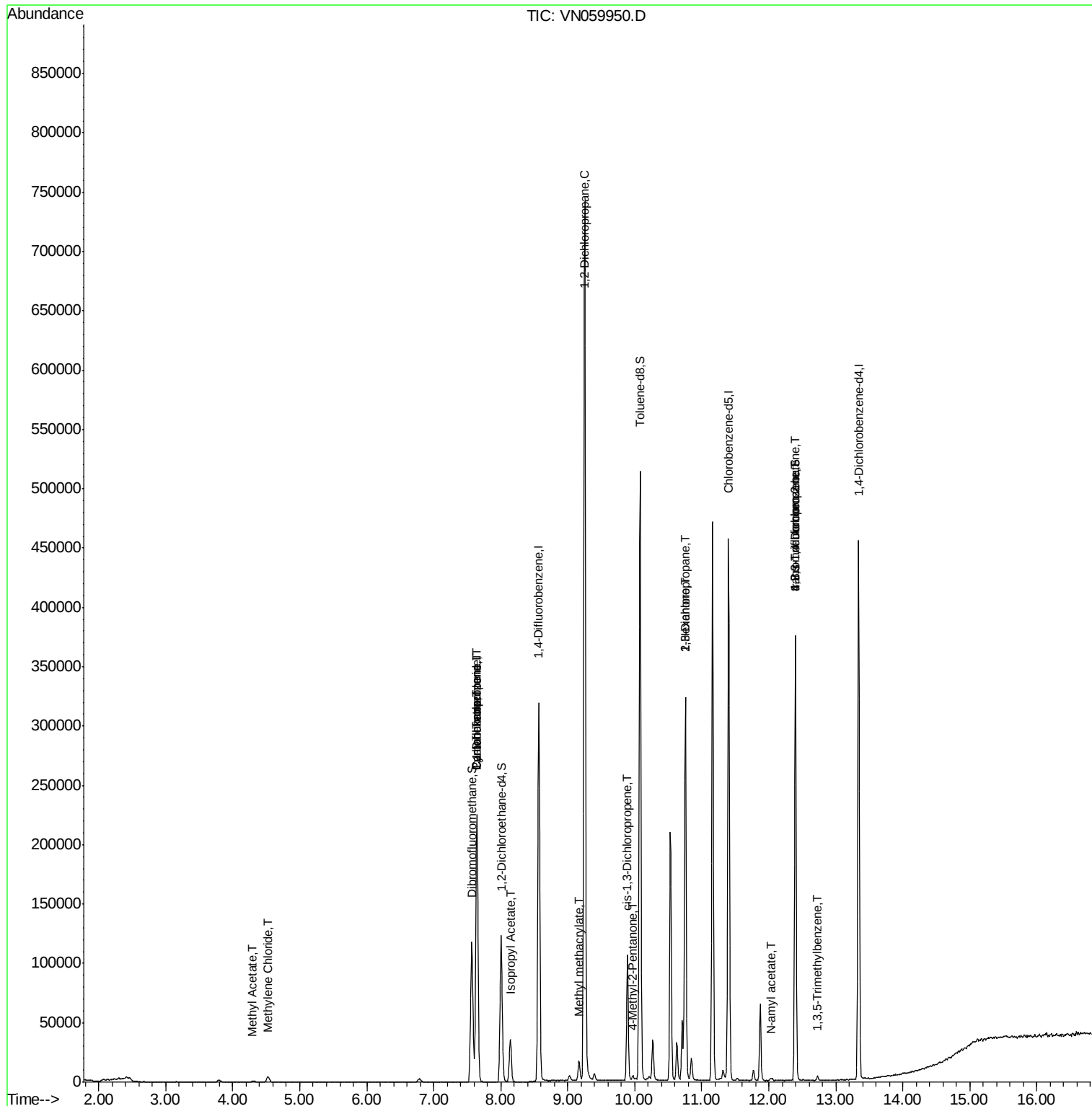
						Qvalue
16) Acetone	3.79	43	3550	Below Cal	#	86
18) Methyl Acetate	4.29	43	573	0.231	ug/l #	54
20) Methylene Chloride	4.52	84	3666	0.628	ug/l #	82
31) Cyclohexane	7.64	56	3663	1.164	ug/l #	4
36) 1,1-Dichloropropene	7.64	75	13253	5.186	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18011	6.479	ug/l #	16
43) Isopropyl Acetate	8.14	43	42624	10.339	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	875	0.464	ug/l #	44
48) Methyl methacrylate	9.16	41	2426	1.316	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2766	1.161	ug/l	98
54) cis-1,3-Dichloropropene	9.89	75	19832	6.296	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	3482	1.150	ug/l #	42
59) 2-Hexanone	10.75	43	46366	26.408	ug/l #	54
74) N-amyl acetate	12.03	43	2199	0.632	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	63650	30.916	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2262	0.300	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	63650	66.393	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.25	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: VN059950.D

Acq: 31 Jan 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

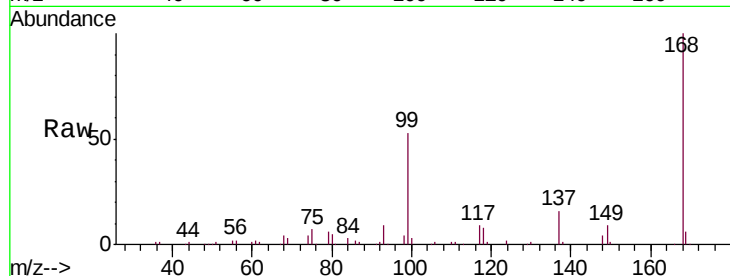
PB126487ZHE#01

Tgt Ion:168 Resp: 191447

Ion Ratio Lower Upper

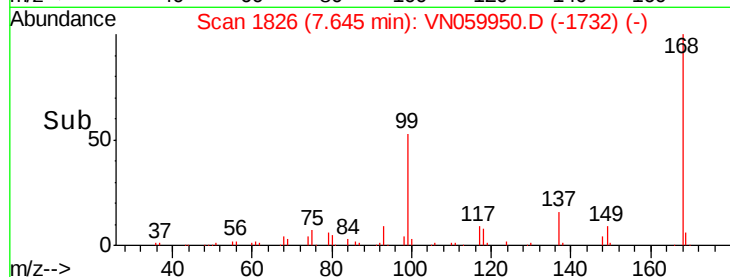
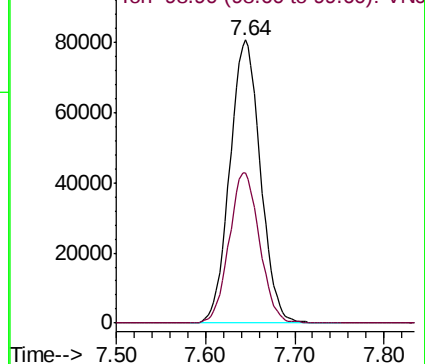
168 100

99 53.2 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: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059950.D

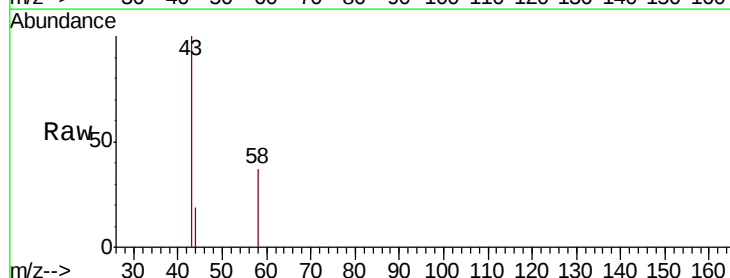
Acq: 31 Jan 2020 16:05

Tgt Ion: 43 Resp: 3550

Ion Ratio Lower Upper

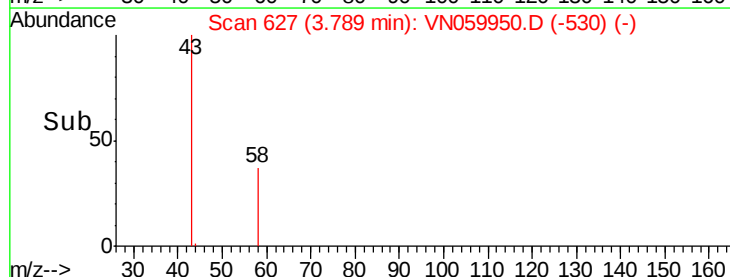
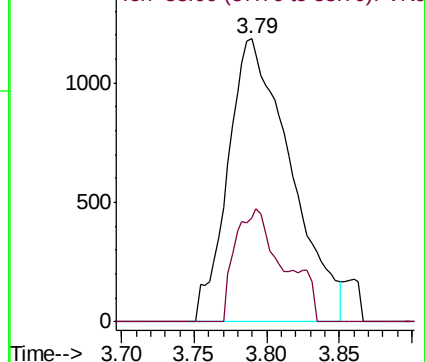
43 100

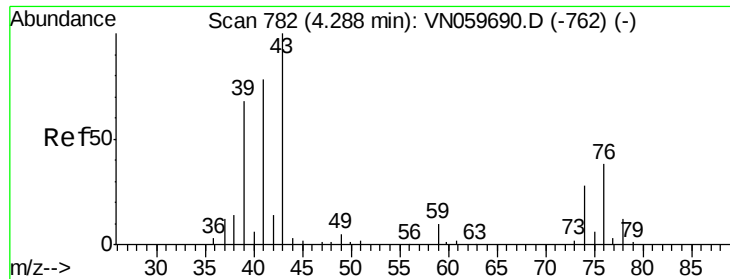
58 36.9 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

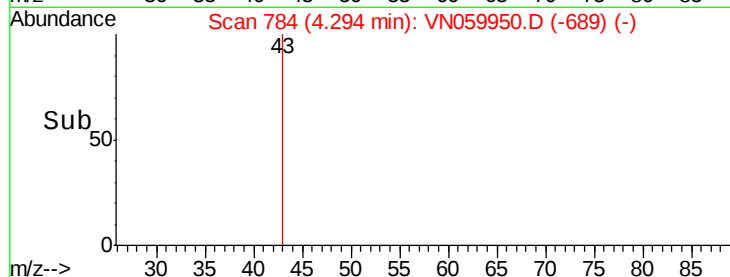
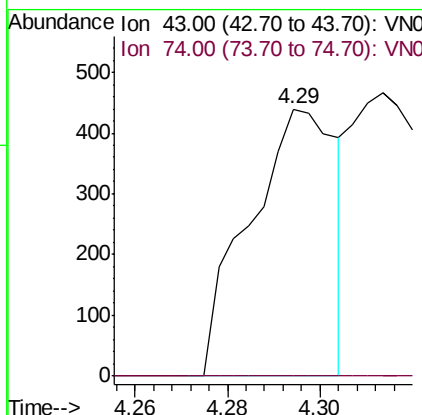
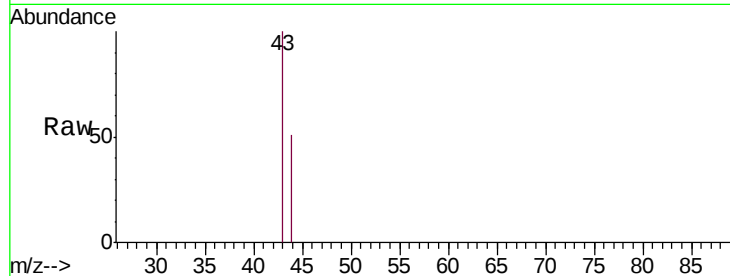




#18
Methyl Acetate
Concen: 0.231 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN059950.D
Acq: 31 Jan 2020 16:05

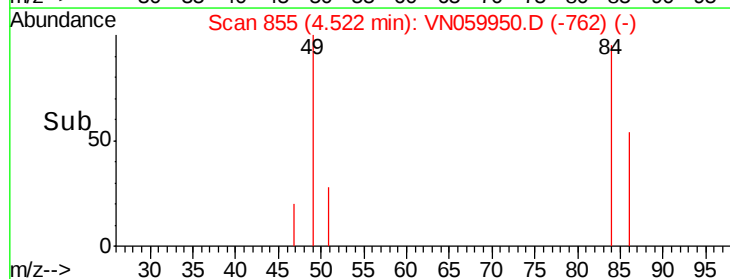
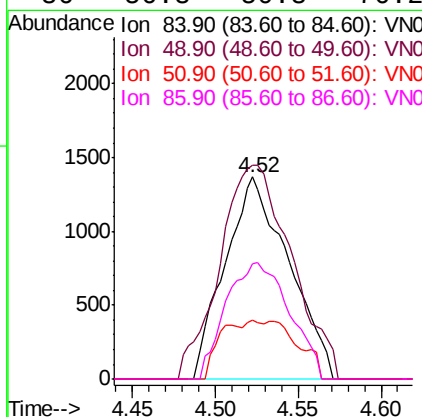
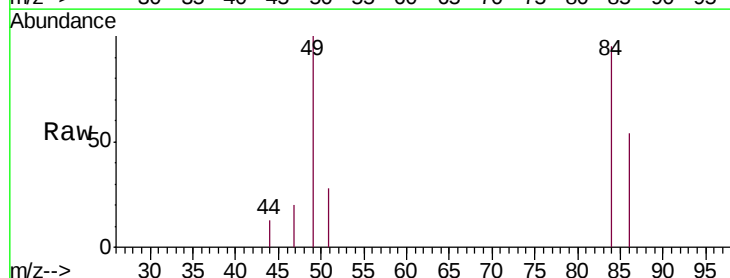
Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#01

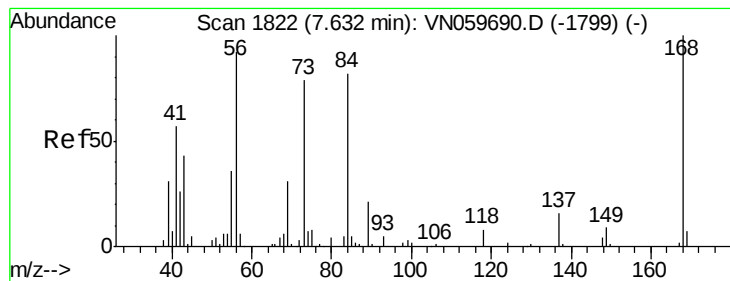
Tgt Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 0.628 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059950.D
Acq: 31 Jan 2020 16:05

Tgt Ion: 84 Resp: 3666
Ion Ratio Lower Upper
84 100
49 105.6 106.6 160.0#
51 29.3 31.9 47.9#
86 56.8 50.8 76.2





#31

Cyclohexane

Concen: 1.164 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059950.D

Acq: 31 Jan 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#01

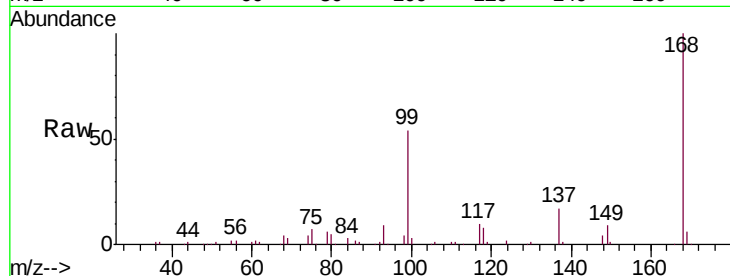
Tgt Ion: 56 Resp: 3663

Ion Ratio Lower Upper

56 100

69 157.2 26.5 39.7#

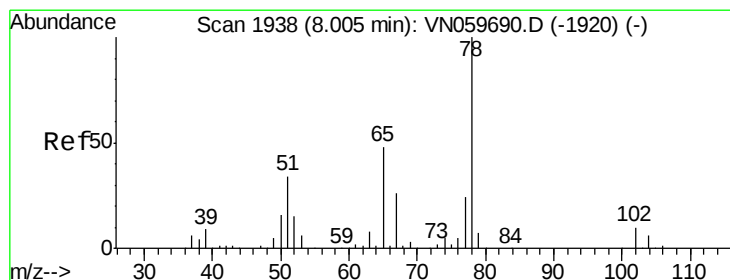
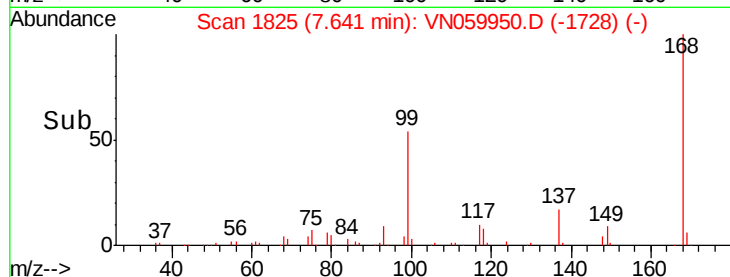
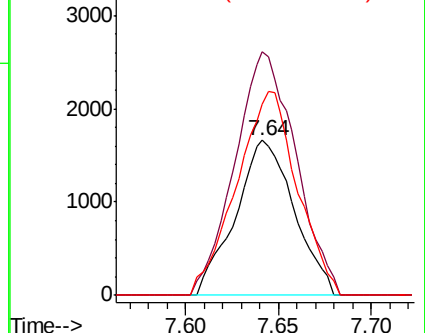
84 123.0 65.3 97.9#



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: 50.482 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059950.D

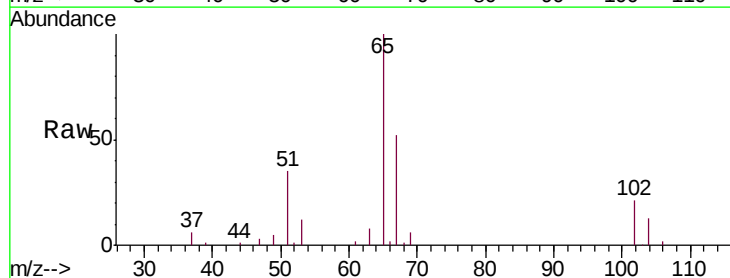
Acq: 31 Jan 2020 16:05

Tgt Ion: 65 Resp: 107328

Ion Ratio Lower Upper

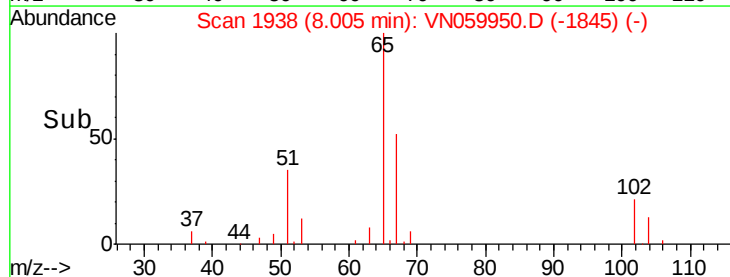
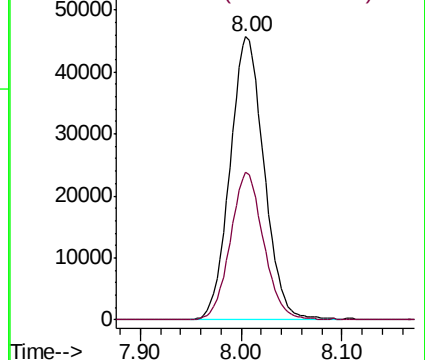
65 100

67 50.9 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

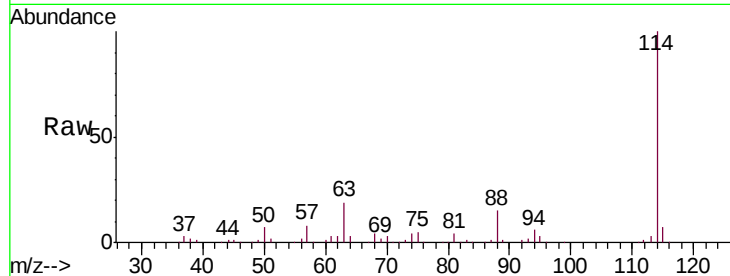




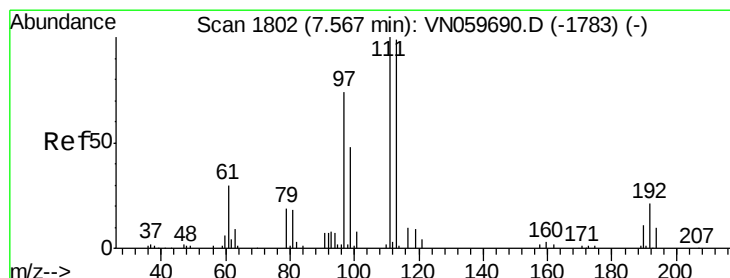
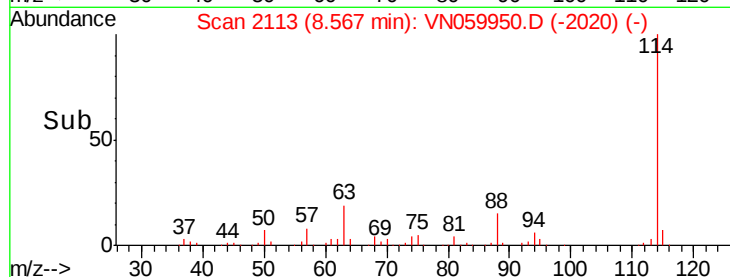
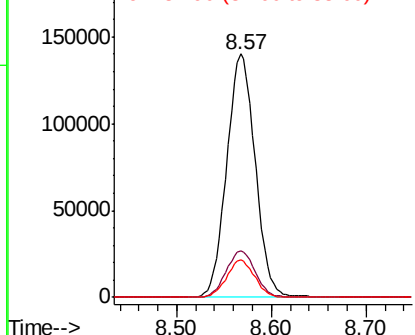
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN059950.D
Acq: 31 Jan 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#01

Tgt Ion:114 Resp: 293461
Ion Ratio Lower Upper
114 100
63 19.3 0.0 43.6
88 15.3 0.0 31.4

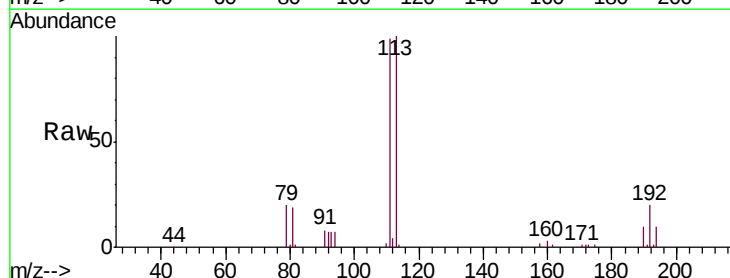


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

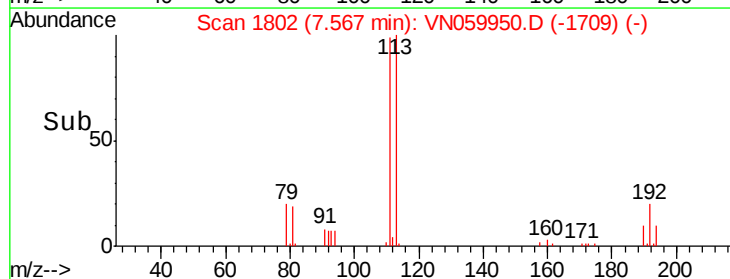
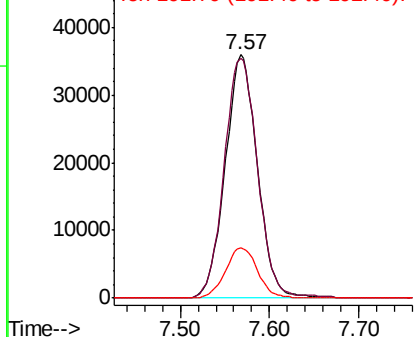


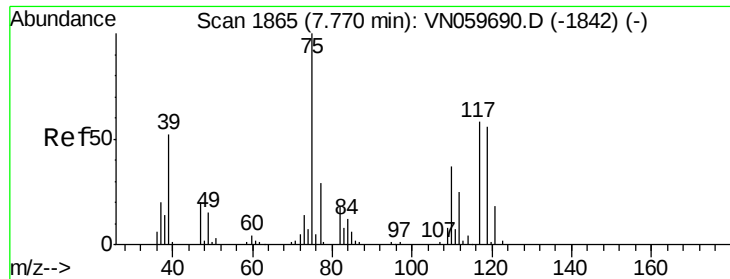
#35
Dibromofluoromethane
Concen: 51.373 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059950.D
Acq: 31 Jan 2020 16:05

Tgt Ion:113 Resp: 89905
Ion Ratio Lower Upper
113 100
111 102.1 83.5 125.3
192 20.5 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

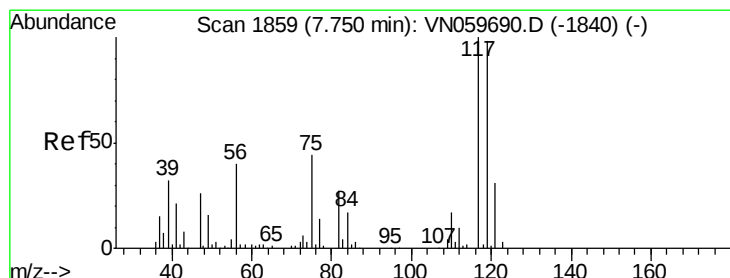
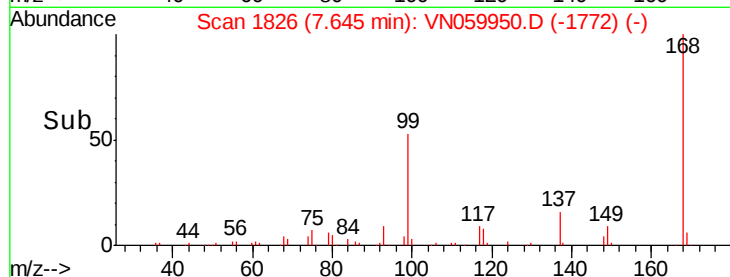
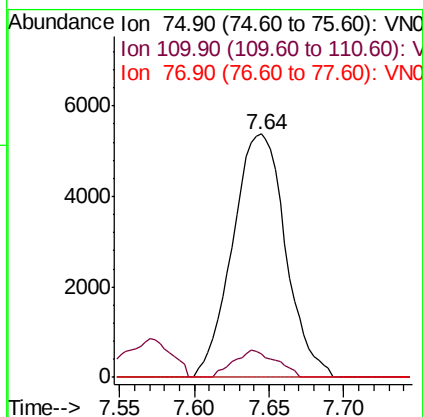
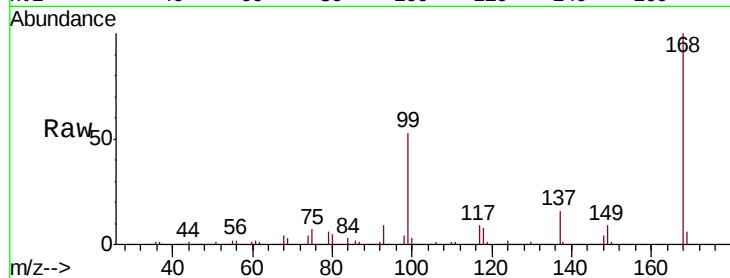




#36
 1,1-Dichloropropene
 Concen: 5.186 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059950.D
 Acq: 31 Jan 2020 16:05

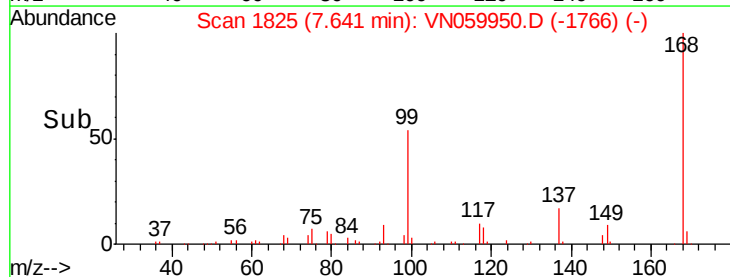
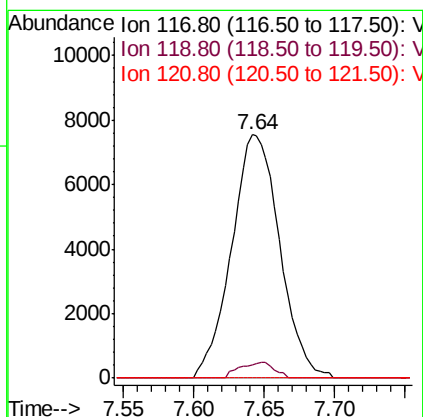
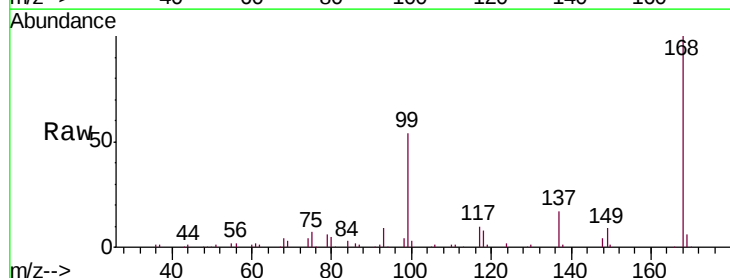
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#01

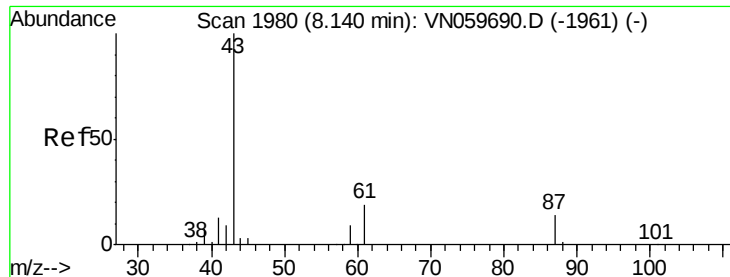
Tgt Ion: 75 Resp: 13253
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.6 49.7#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.479 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059950.D
 Acq: 31 Jan 2020 16:05

Tgt Ion: 117 Resp: 18011
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.5 114.7#
 121 0.0 25.1 37.7#

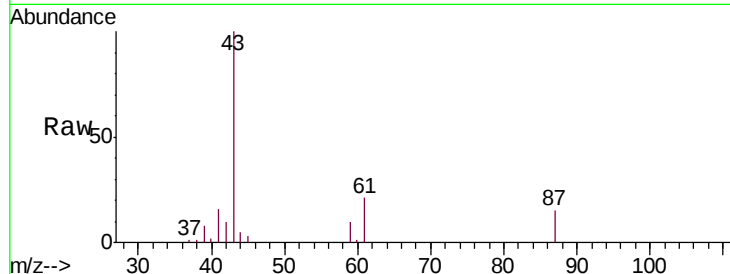




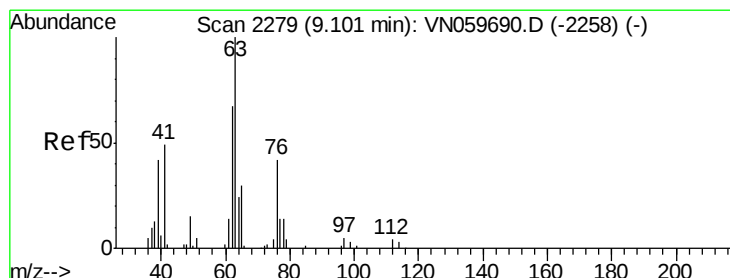
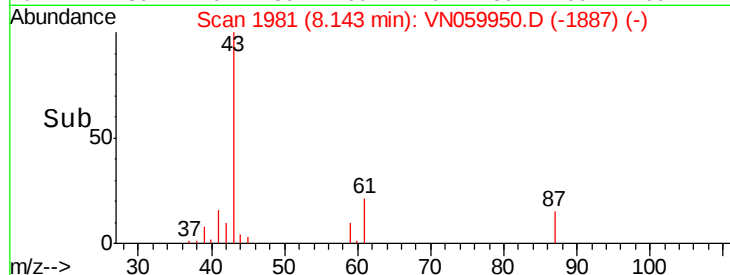
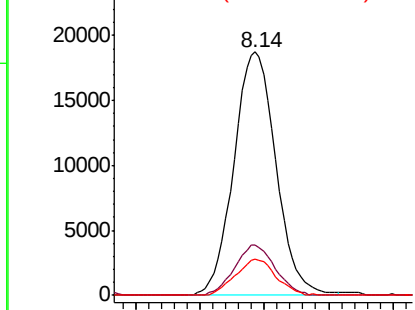
#43
Isopropyl Acetate
Concen: 10.339 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059950.D
Acq: 31 Jan 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#01

Tgt Ion: 43 Resp: 42624
Ion Ratio Lower Upper
43 100
61 19.8 20.2 30.2#
87 14.2 9.5 14.3

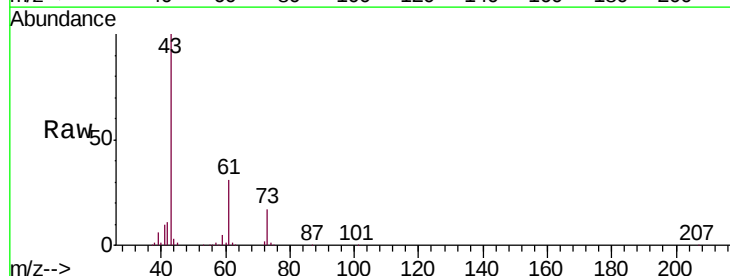


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

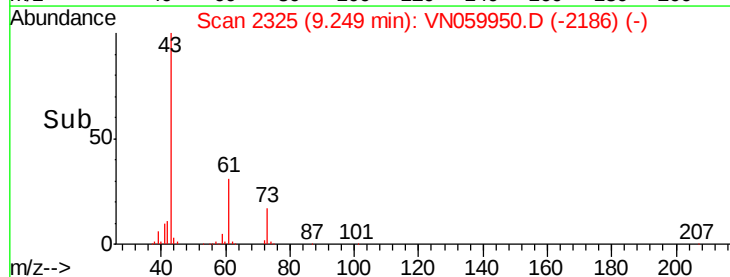
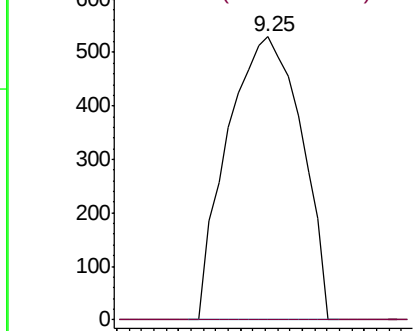


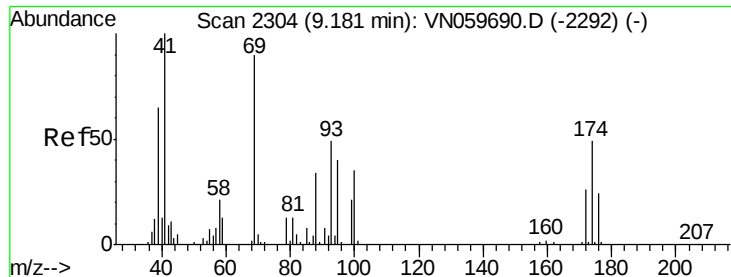
#45
1,2-Dichloropropane
Concen: 0.464 ug/l
RT: 9.25 min Scan# 2325
Delta R.T. 0.15 min
Lab File: VN059950.D
Acq: 31 Jan 2020 16:05

Tgt Ion: 63 Resp: 875
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

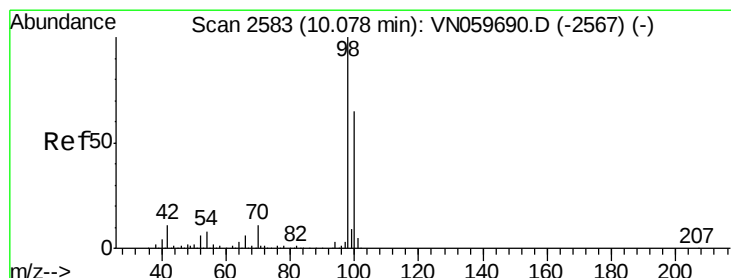
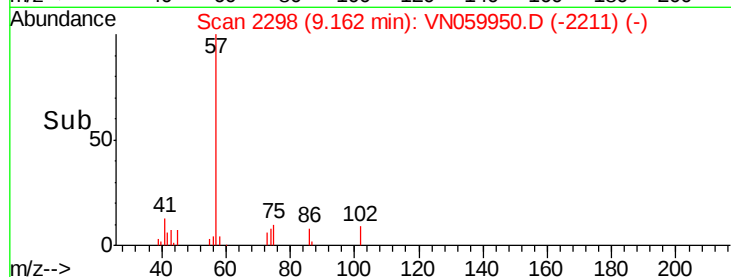
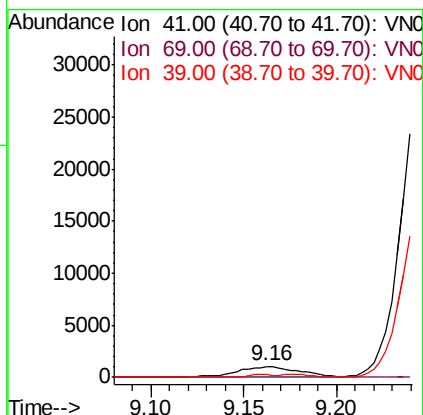
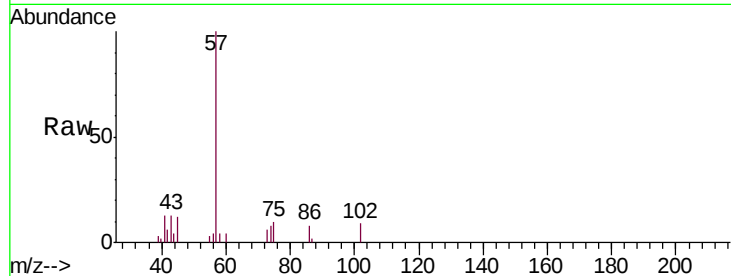




#48
Methyl methacrylate
Concen: 1.316 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN059950.D
Acq: 31 Jan 2020 16:05

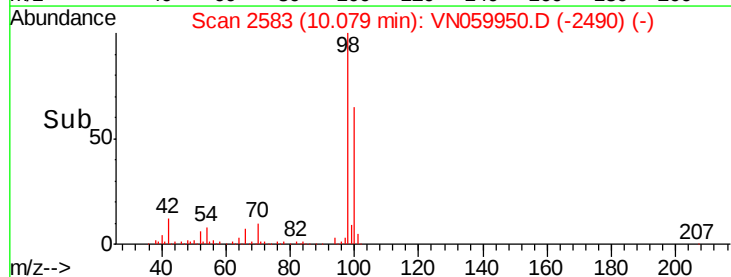
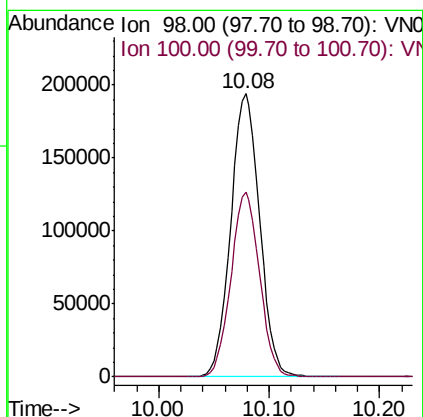
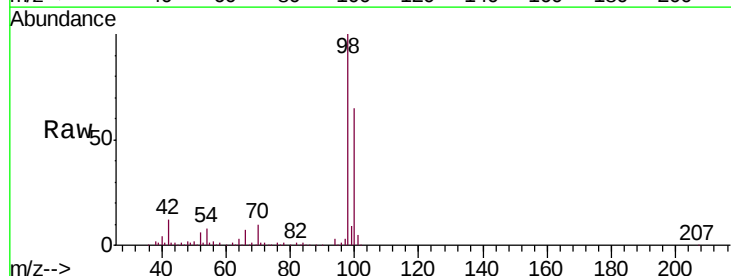
Instrument :
MSVOA_N
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PB126487ZHE#01

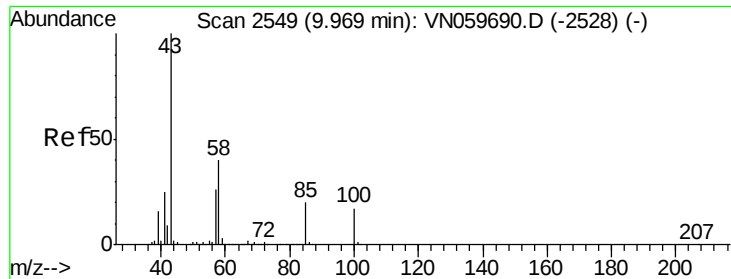
Tgt Ion: 41 Resp: 2426
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 52.033 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059950.D
Acq: 31 Jan 2020 16:05

Tgt Ion: 98 Resp: 352813
Ion Ratio Lower Upper
98 100
100 64.7 51.2 76.8

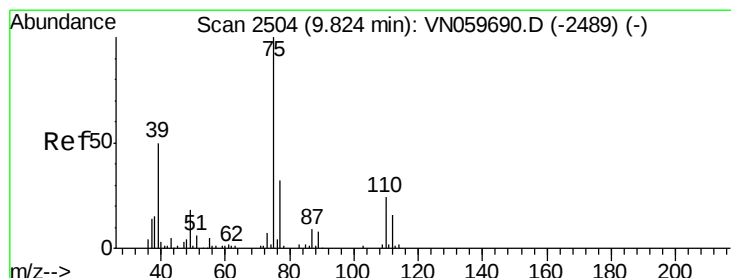
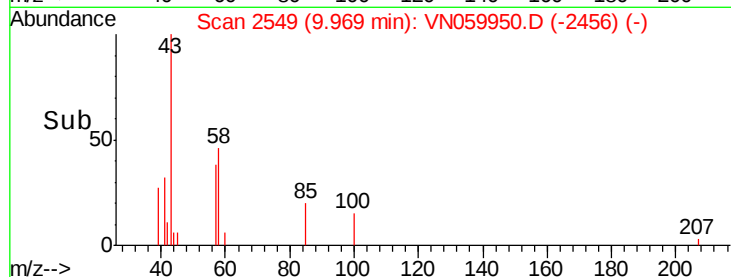
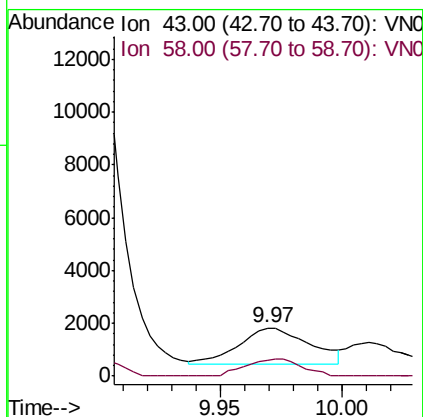
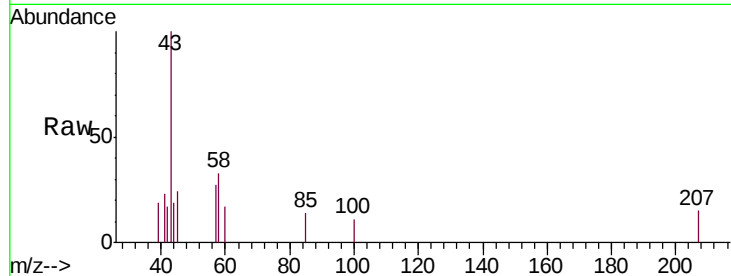




#51
 4-Methyl-2-Pentanone
 Concen: 1.161 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059950.D
 Acq: 31 Jan 2020 16:05

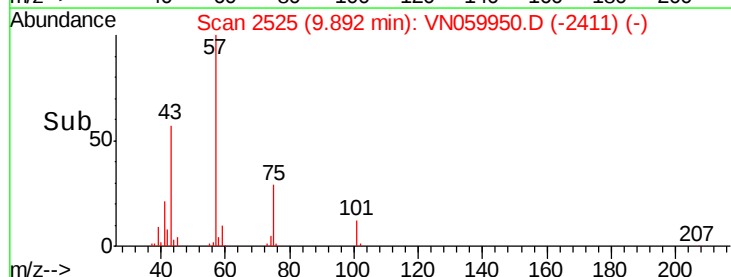
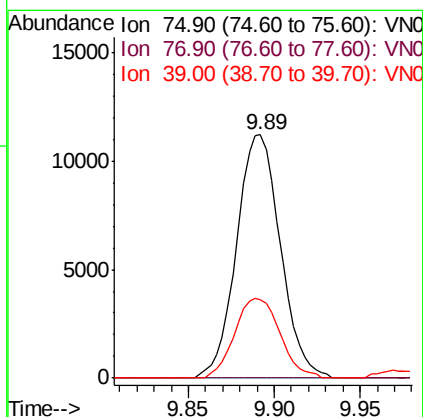
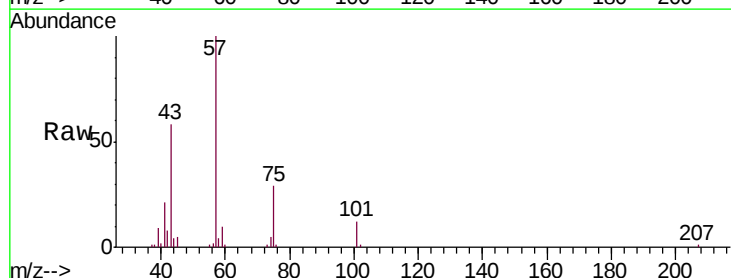
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#01

Tgt Ion: 43 Resp: 2766
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 6.296 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN059950.D
 Acq: 31 Jan 2020 16:05

Tgt Ion: 75 Resp: 19832
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 32.4 46.1 69.1#

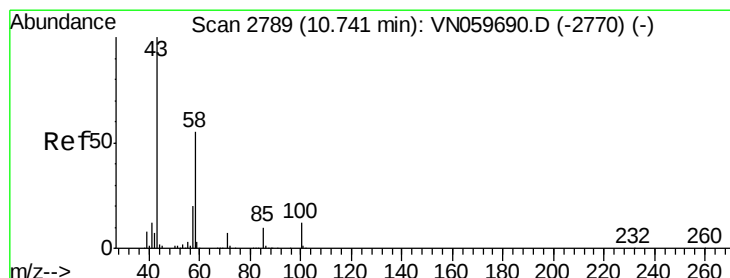
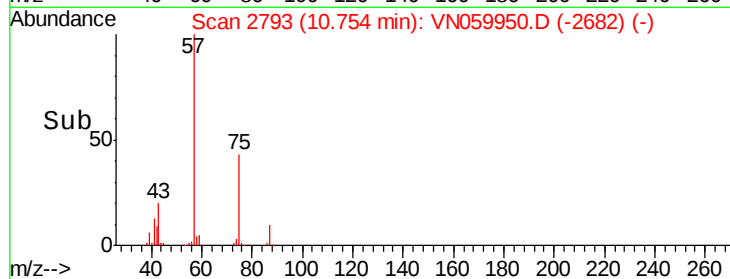
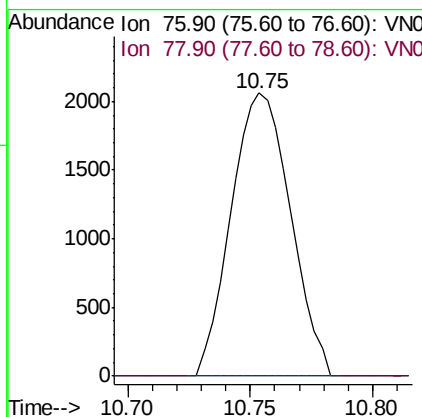
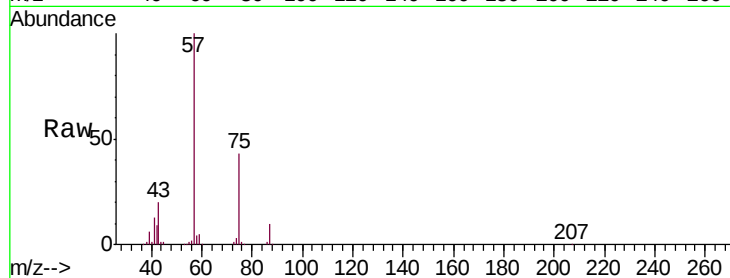




#57
 1,3-Dichloropropane
 Concen: 1.150 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059950.D
 Acq: 31 Jan 2020 16:05

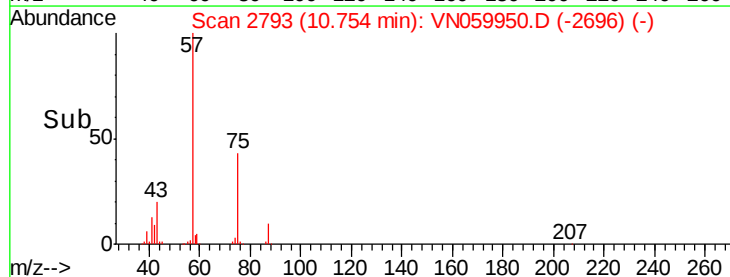
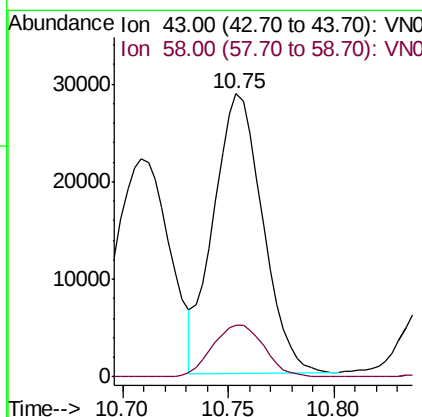
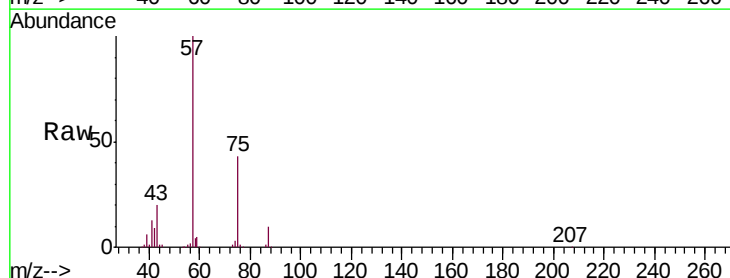
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#01

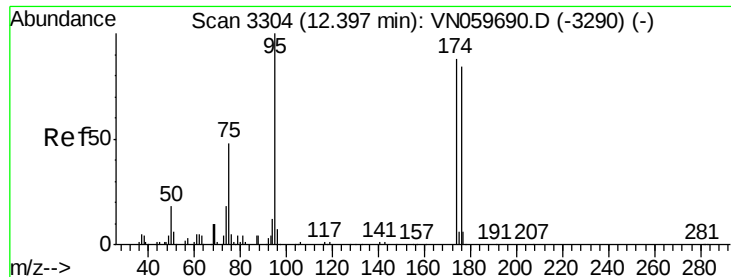
Tgt Ion: 76 Resp: 3482
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 26.408 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059950.D
 Acq: 31 Jan 2020 16:05

Tgt Ion: 43 Resp: 46366
 Ion Ratio Lower Upper
 43 100
 58 19.6 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 50.722 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059950.D

Acq: 31 Jan 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#01

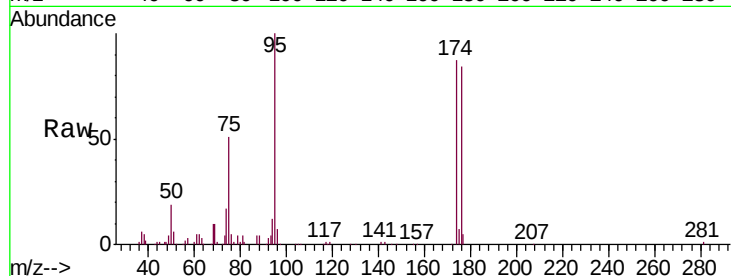
Tgt Ion: 95 Resp: 123983

Ion Ratio Lower Upper

95 100

174 87.2 0.0 151.4

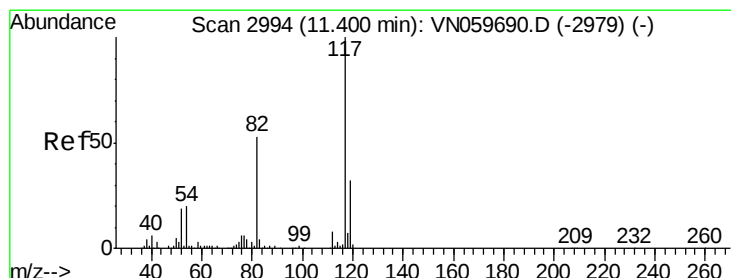
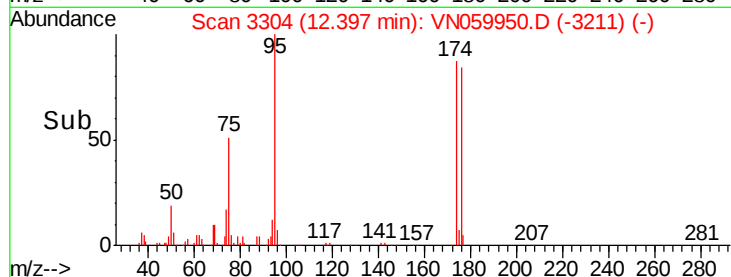
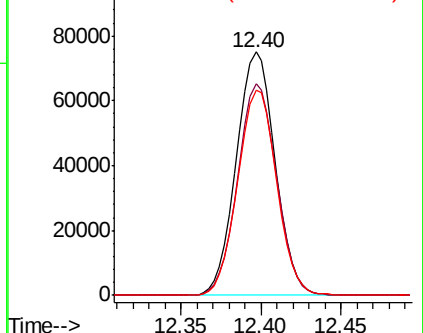
176 84.9 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059950.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN059950.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN059950.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059950.D

Acq: 31 Jan 2020 16:05

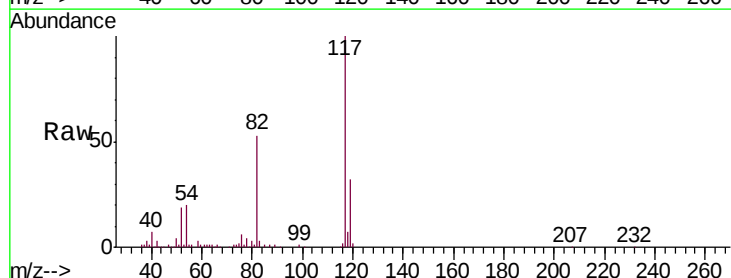
Tgt Ion: 117 Resp: 269698

Ion Ratio Lower Upper

117 100

82 52.7 45.9 68.9

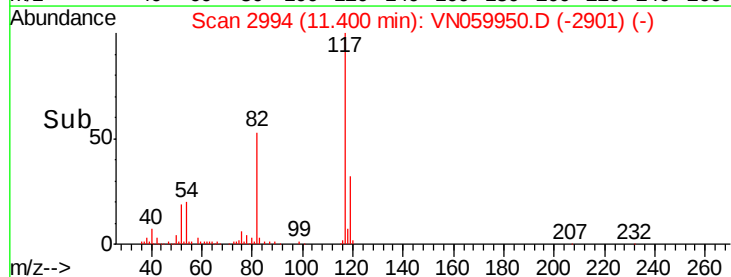
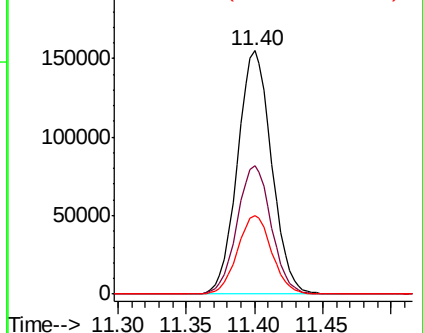
119 32.3 25.5 38.3

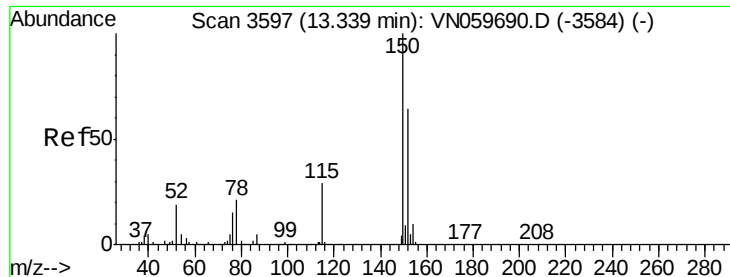


Abundance Ion 116.90 (116.60 to 117.60): VN059950.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059950.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059950.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: VN059950.D

Acq: 31 Jan 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#01

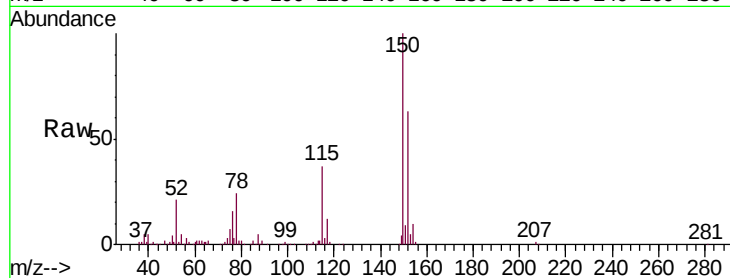
Tgt Ion:152 Resp: 122335

Ion Ratio Lower Upper

152 100

115 58.4 30.3 90.9

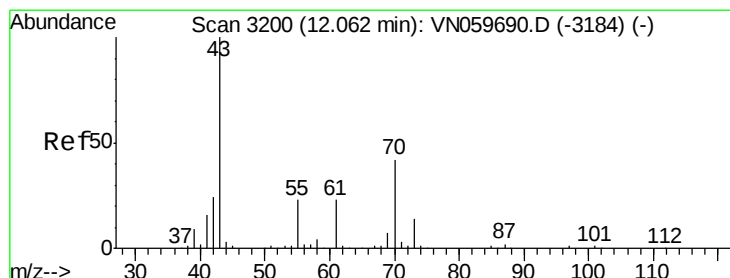
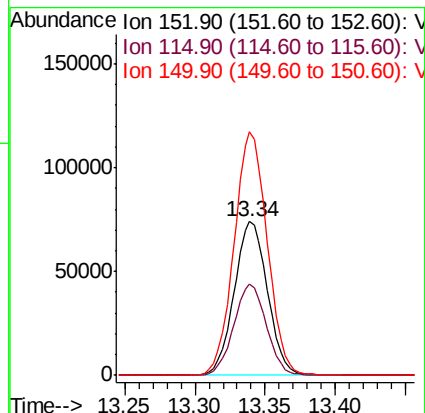
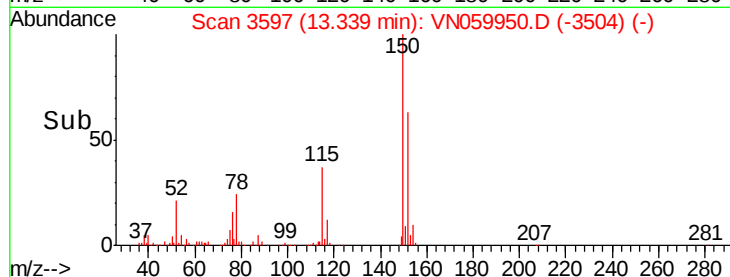
150 157.5 0.0 345.2



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: 0.632 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059950.D

Acq: 31 Jan 2020 16:05

Tgt Ion: 43 Resp: 2199

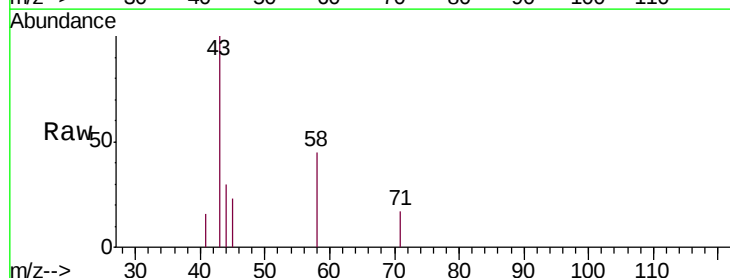
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

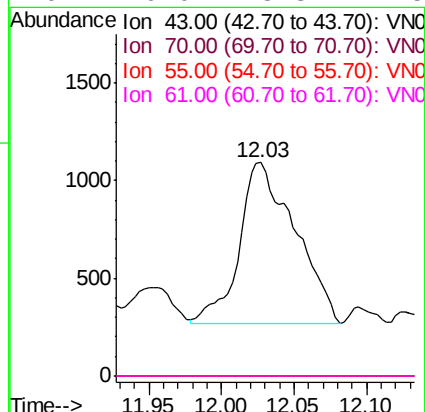
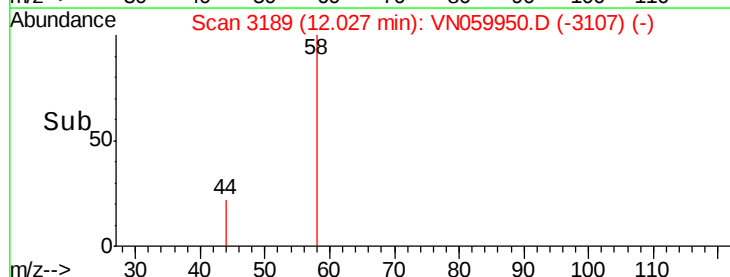


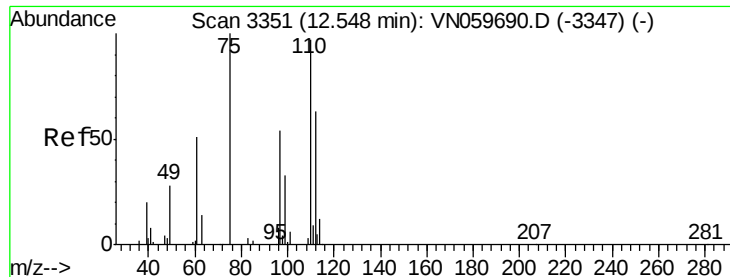
Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 30.916 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059950.D

Acq: 31 Jan 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

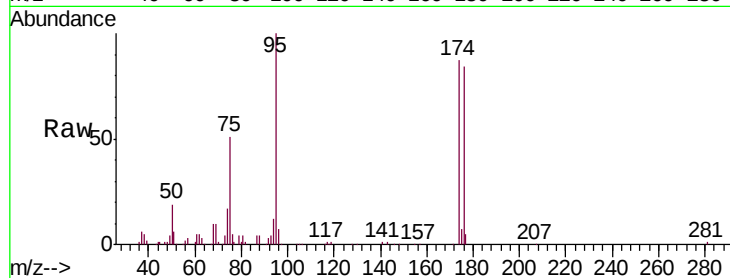
PB126487ZHE#01

Tgt Ion: 75 Resp: 63650

Ion Ratio Lower Upper

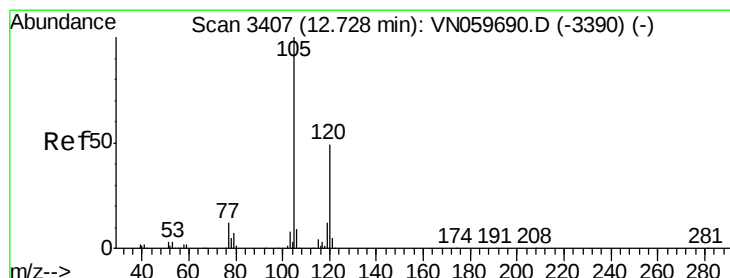
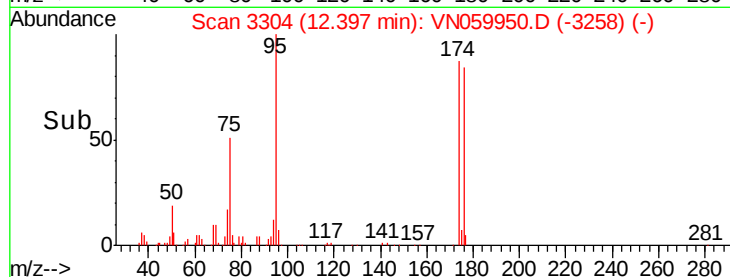
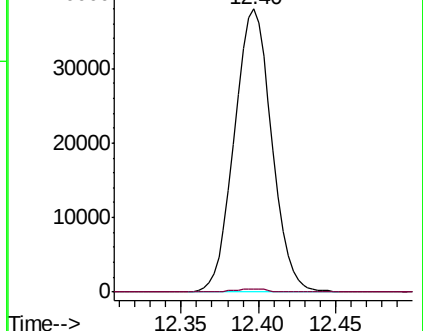
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059950.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059950.D (-3347) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.300 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059950.D

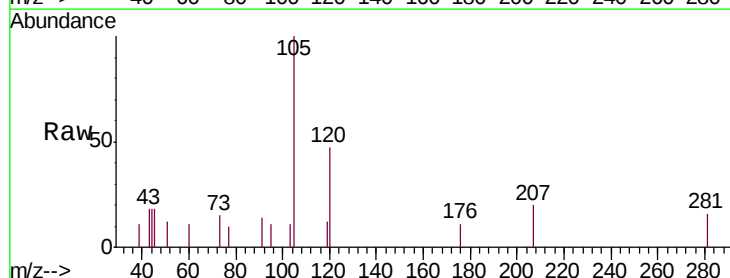
Acq: 31 Jan 2020 16:05

Tgt Ion: 105 Resp: 2262

Ion Ratio Lower Upper

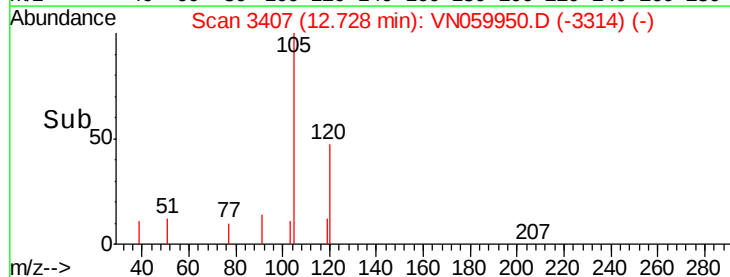
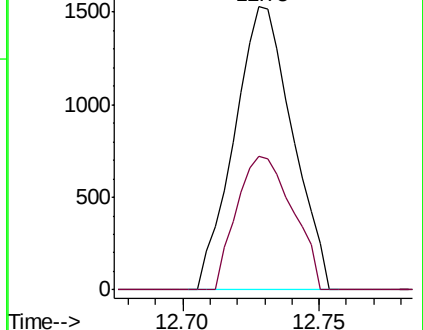
105 100

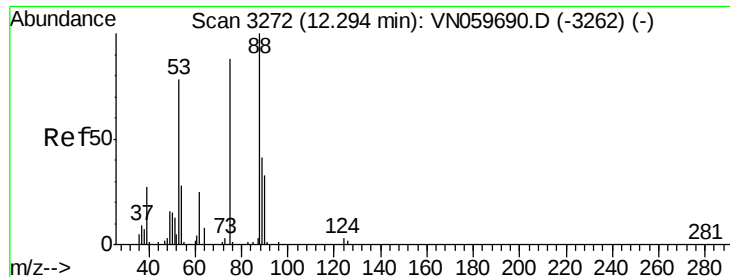
120 45.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059950.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN059950.D (-3314) (-)

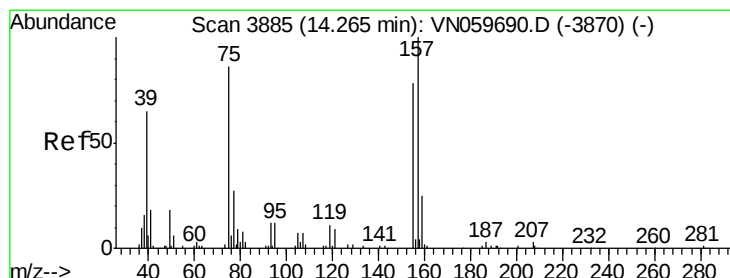
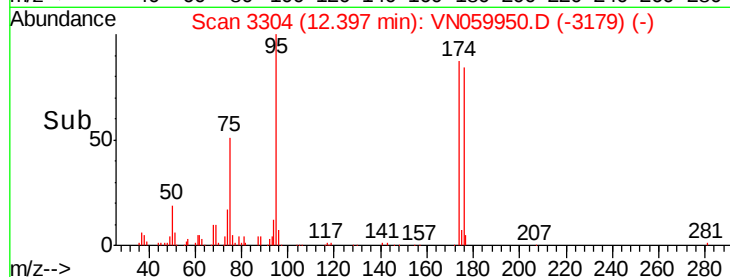
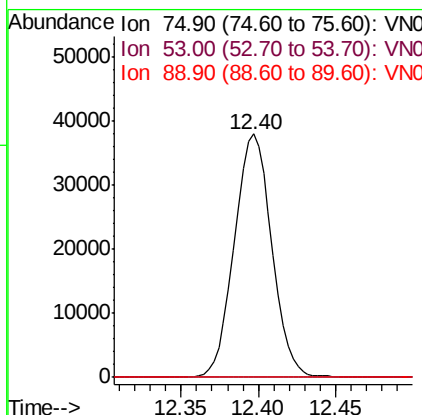
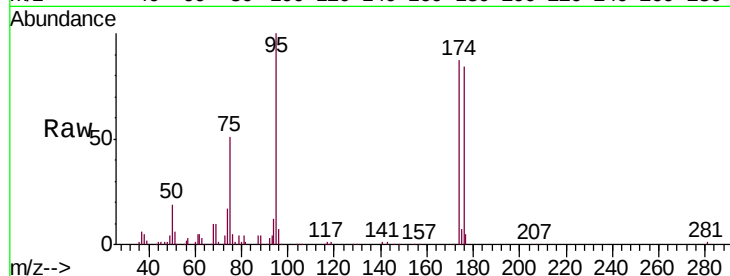




#81
trans-1,4-Dichloro-2-butene
Concen: 66.393 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059950.D
Acq: 31 Jan 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#01

Tgt Ion: 75 Resp: 63650
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: 14.25 min Scan# 3879
Delta R.T. -0.02 min
Lab File: VN059950.D
Acq: 31 Jan 2020 16:05

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#

