

Data File : VN059955.D
Acq On : 31 Jan 2020 17:58
Operator : JC/MD
Sample : PB126487ZHE#06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#06

Quant Time: Feb 03 01:22:54 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	188061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	294605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	266710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	121916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	104635	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	7.57	113	88671	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.08	98	347386	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.40	95	124435	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

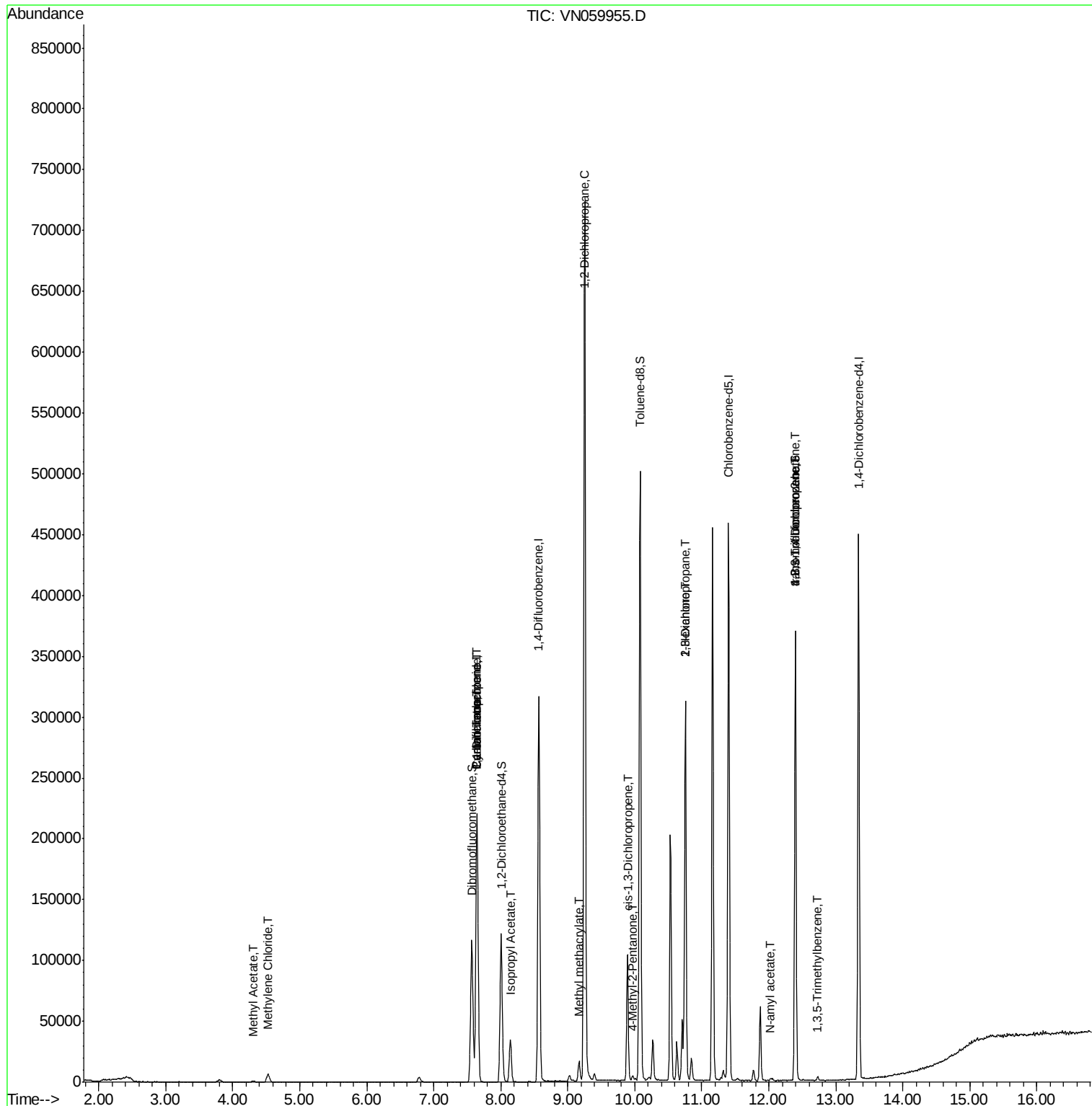
						Qvalue
16) Acetone	3.80	43	3752	Below Cal		92
18) Methyl Acetate	4.30	43	1318	0.540 ug/l #		54
20) Methylene Chloride	4.53	84	4902	1.335 ug/l		84
31) Cyclohexane	7.65	56	3617	1.171 ug/l #		1
36) 1,1-Dichloropropene	7.65	75	13109	5.110 ug/l #		51
38) Carbon Tetrachloride	7.64	117	17226	6.173 ug/l #		17
43) Isopropyl Acetate	8.14	43	41195	9.953 ug/l #		92
45) 1,2-Dichloropropane	9.25	63	837	0.442 ug/l #		44
48) Methyl methacrylate	9.16	41	2301	1.243 ug/l #		13
51) 4-Methyl-2-Pentanone	9.97	43	2550	1.066 ug/l		95
54) cis-1,3-Dichloropropene	9.89	75	18985	6.004 ug/l #		58
57) 1,3-Dichloropropane	10.76	76	3190	1.050 ug/l #		42
59) 2-Hexanone	10.75	43	44765	25.397 ug/l #		54
74) N-amyl acetate	12.03	43	2015	0.581 ug/l #		45
76) 1,2,3-Trichloropropane	12.40	75	63212	30.809 ug/l #		100
80) 1,3,5-Trimethylbenzene	12.73	105	2164	0.288 ug/l		94
81) trans-1,4-Dichloro-2-buten	12.40	75	63212	66.163 ug/l #		11
92) 1,2-Dibromo-3-Chloropropan	14.27	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: VN059955.D

Acq: 31 Jan 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

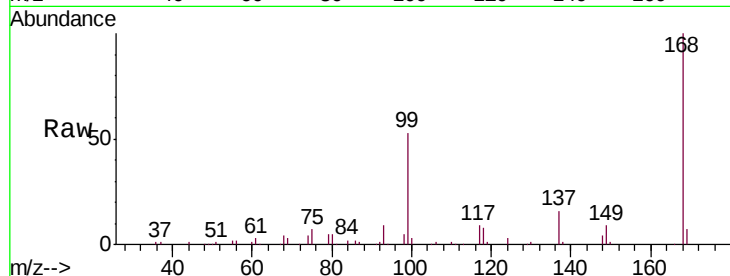
PB126487ZHE#06

Tgt Ion:168 Resp: 188061

Ion Ratio Lower Upper

168 100

99 52.9 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) (-)

7.64

80000

60000

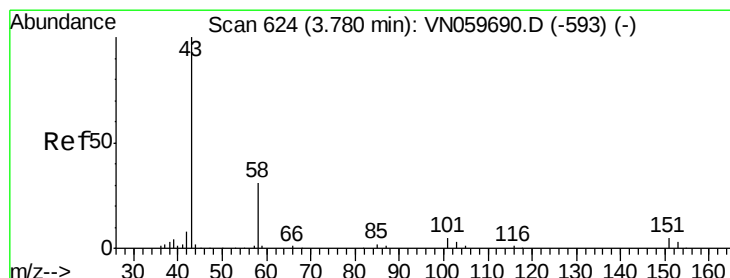
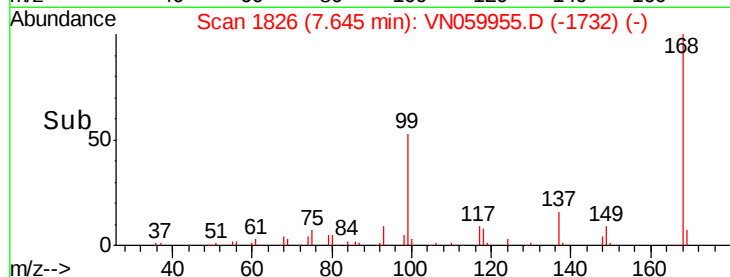
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN059955.D

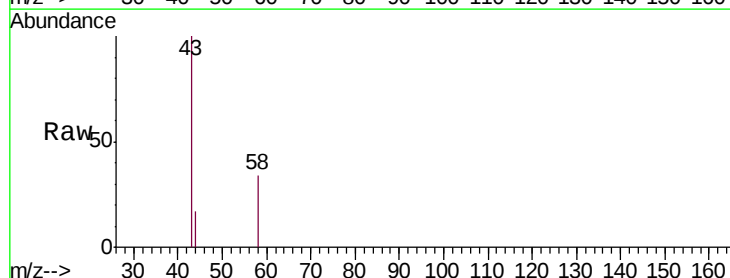
Acq: 31 Jan 2020 17:58

Tgt Ion: 43 Resp: 3752

Ion Ratio Lower Upper

43 100

58 33.6 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) (-)

3.80

1500

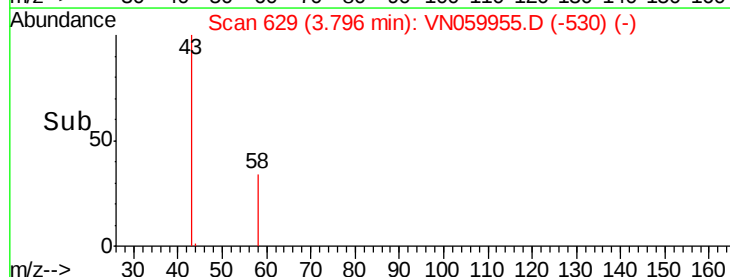
1000

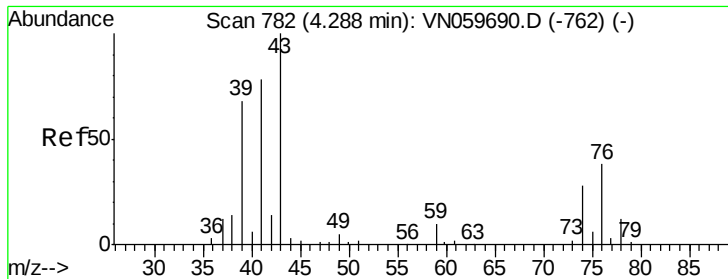
500

0

3.75 3.80 3.85

Time-->

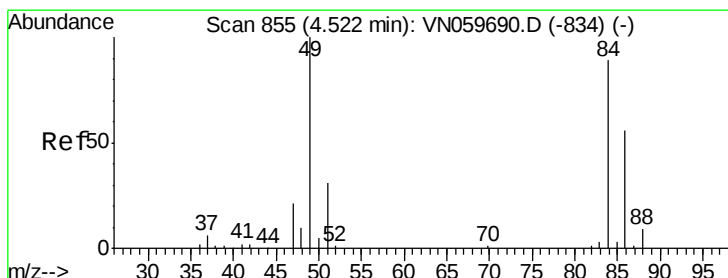
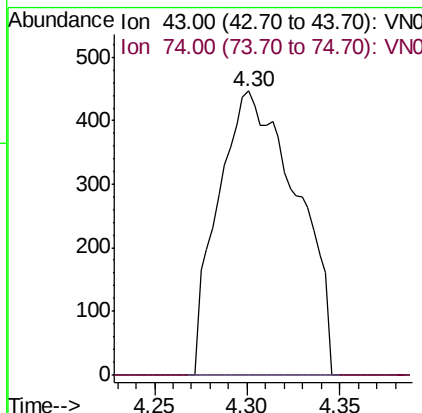
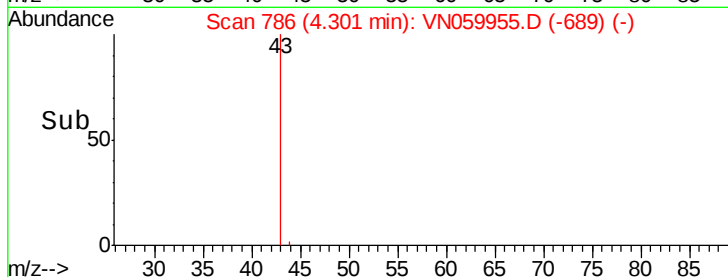
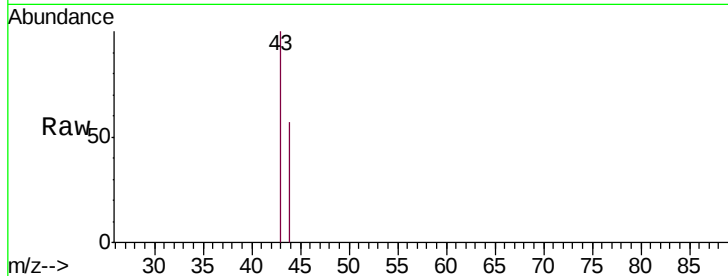




#18
Methyl Acetate
Concen: 0.540 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059955.D
Acq: 31 Jan 2020 17:58

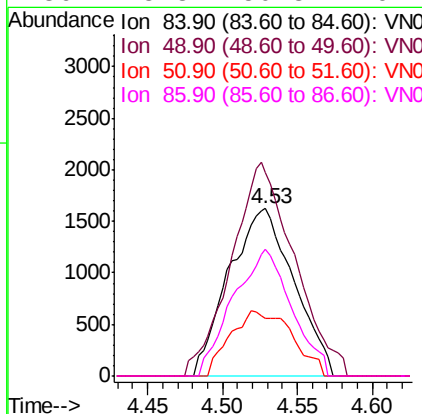
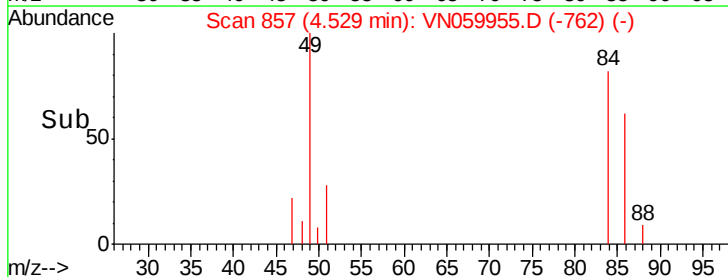
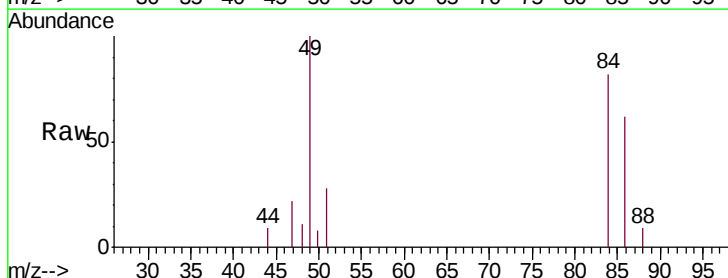
Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#06

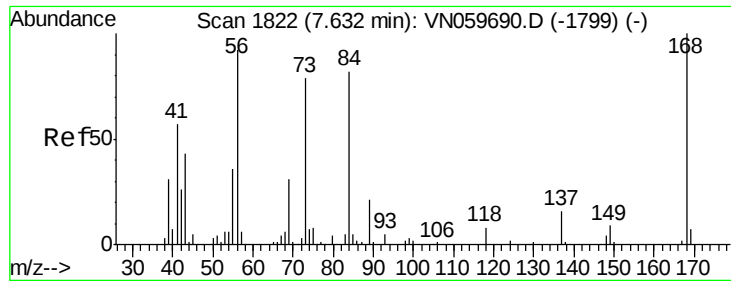
Tgt Ion: 43 Resp: 1318
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.335 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059955.D
Acq: 31 Jan 2020 17:58

Tgt Ion: 84 Resp: 4902
Ion Ratio Lower Upper
84 100
49 112.6 106.6 160.0
51 34.3 31.9 47.9
86 75.8 50.8 76.2

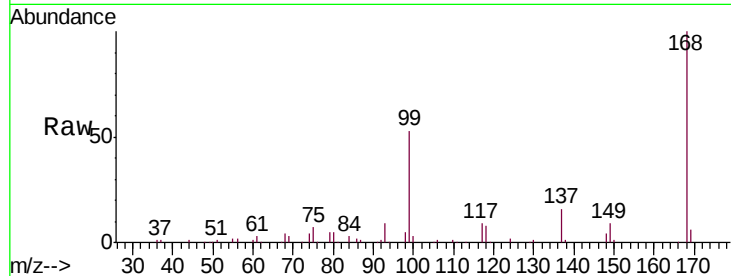




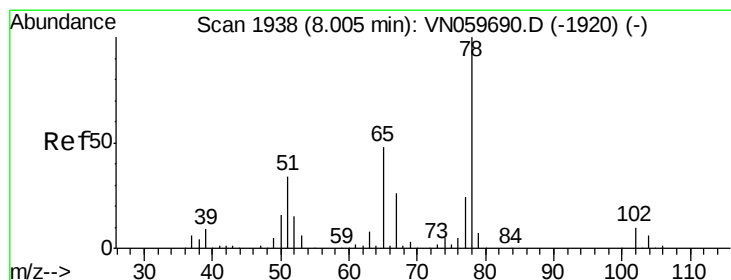
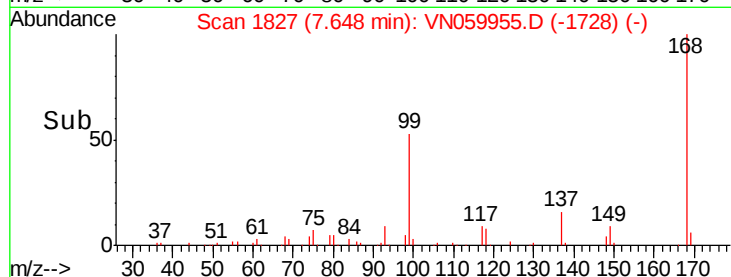
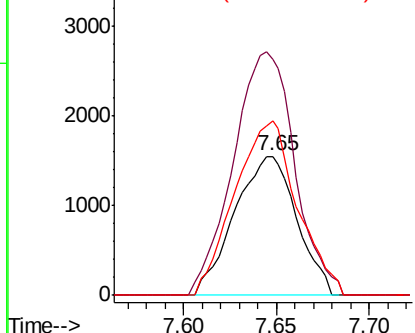
#31
Cyclohexane
Concen: 1.171 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.02 min
Lab File: VN059955.D
Acq: 31 Jan 2020 17:58

Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#06

Tgt Ion: 56 Resp: 3617
Ion Ratio Lower Upper
56 100
69 169.7 26.5 39.7#
84 125.0 65.3 97.9#

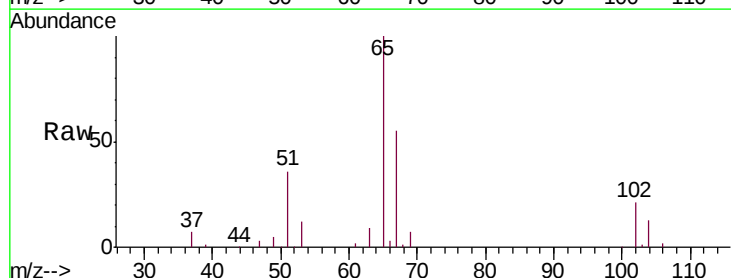


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

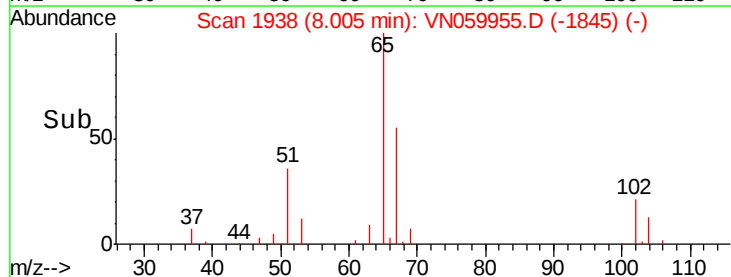
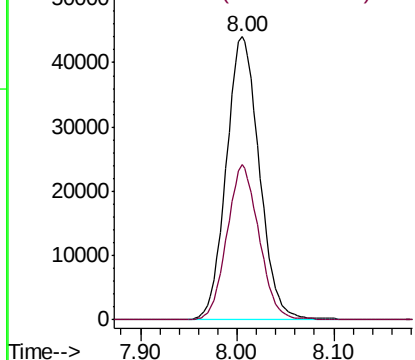


#33
1,2-Dichloroethane-d4
Concen: 50.101 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059955.D
Acq: 31 Jan 2020 17:58

Tgt Ion: 65 Resp: 104635
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.0



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

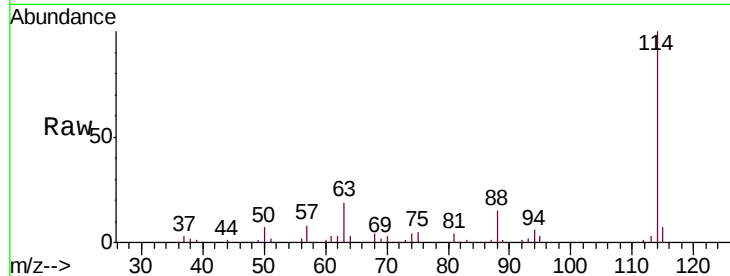




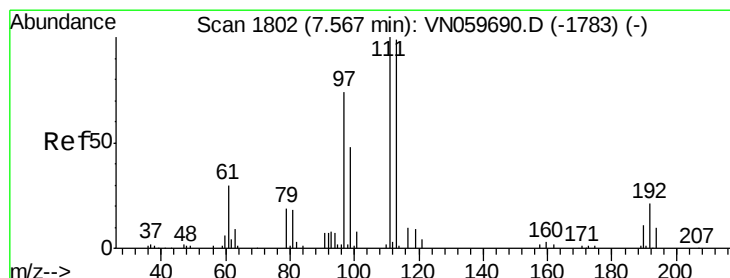
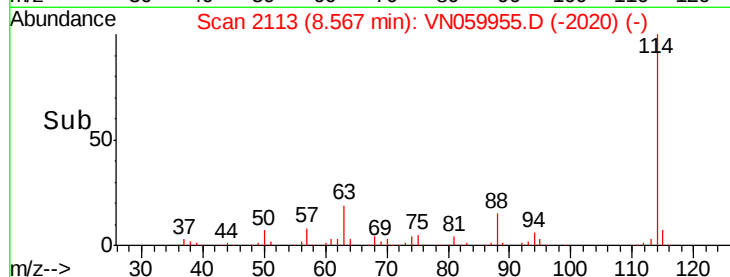
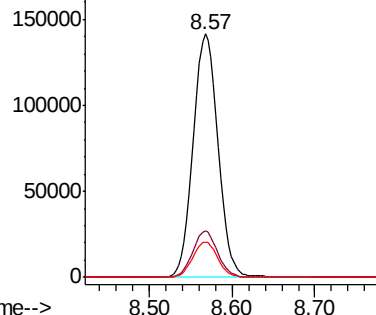
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN059955.D
Acq: 31 Jan 2020 17:58

Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#06

Tgt Ion:114 Resp: 294605
Ion Ratio Lower Upper
114 100
63 19.0 0.0 43.6
88 14.6 0.0 31.4

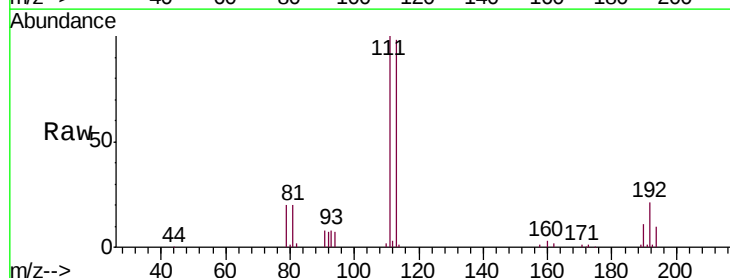


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

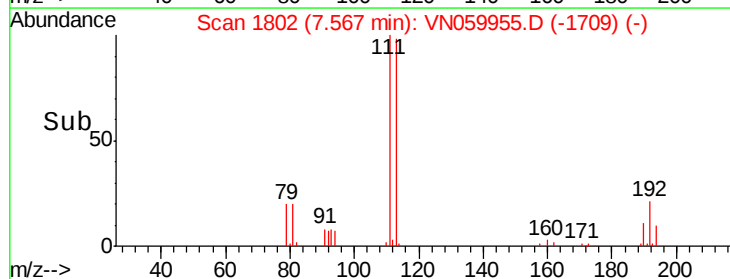
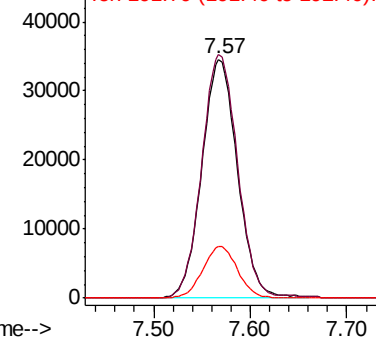


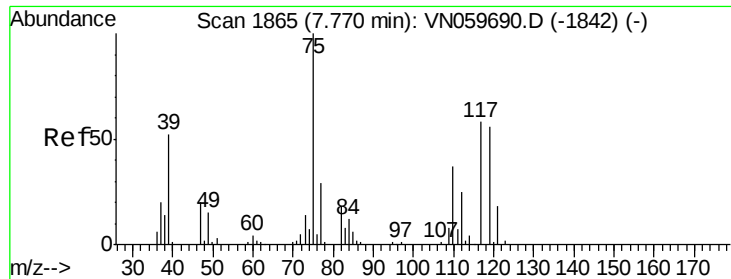
#35
Dibromofluoromethane
Concen: 50.471 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059955.D
Acq: 31 Jan 2020 17:58

Tgt Ion:113 Resp: 88671
Ion Ratio Lower Upper
113 100
111 103.1 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

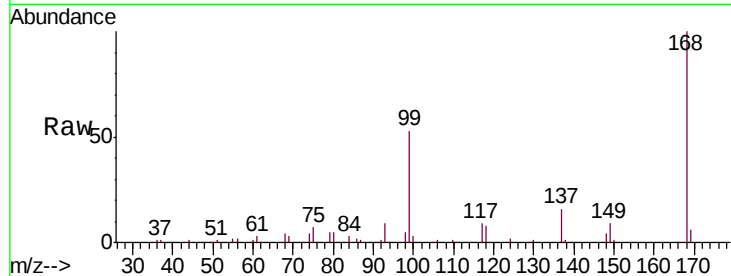




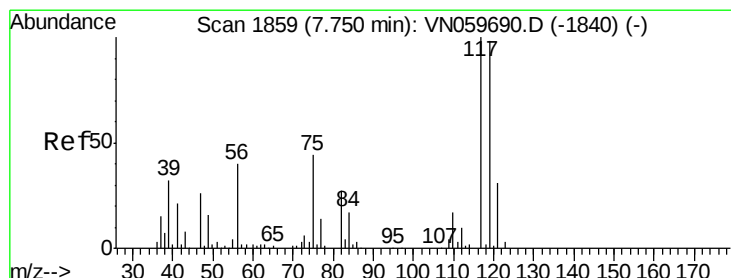
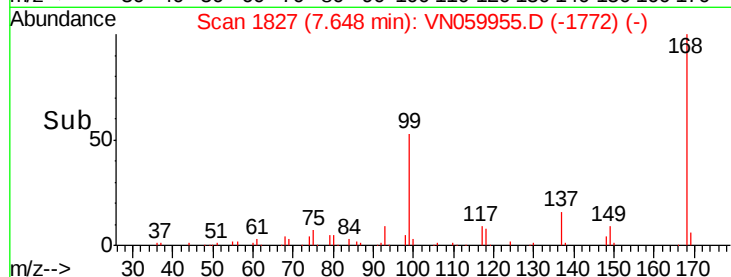
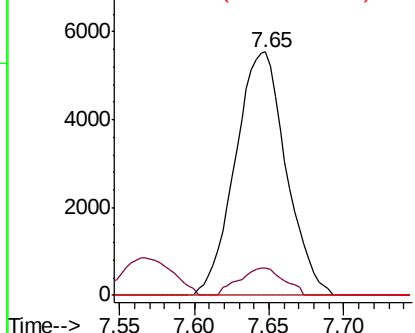
#36
 1,1-Dichloropropene
 Concen: 5.110 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.12 min
 Lab File: VN059955.D
 Acq: 31 Jan 2020 17:58

Instrument :
 MSVOA_N
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 PB126487ZHE#06

Tgt Ion: 75 Resp: 13109
 Ion Ratio Lower Upper
 75 100
 110 9.9 16.6 49.7#
 77 0.0 25.1 37.7#

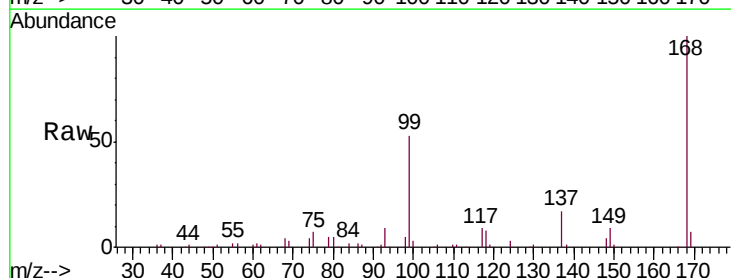


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

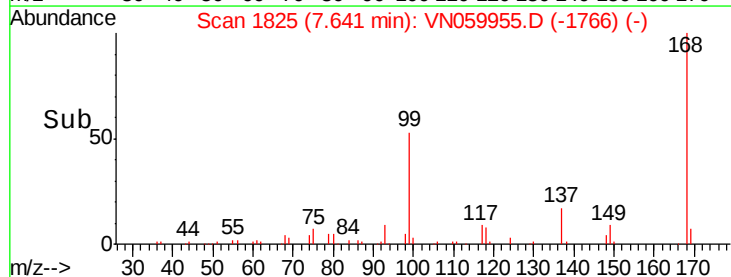
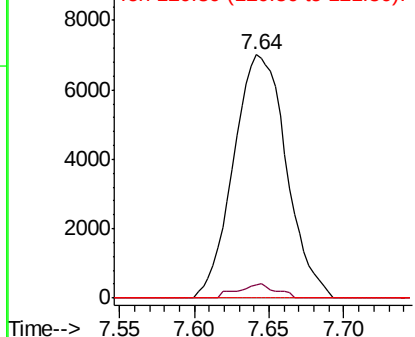


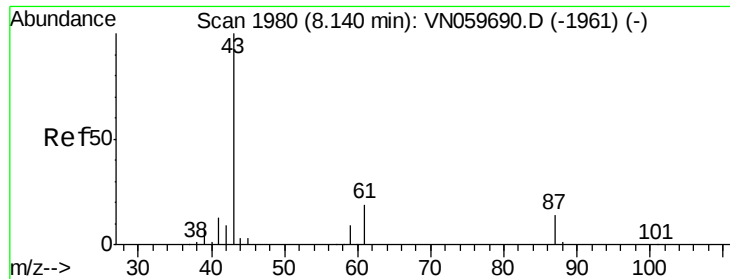
#38
 Carbon Tetrachloride
 Concen: 6.173 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059955.D
 Acq: 31 Jan 2020 17:58

Tgt Ion: 117 Resp: 17226
 Ion Ratio Lower Upper
 117 100
 119 5.7 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: 9.953 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059955.D

Acq: 31 Jan 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#06

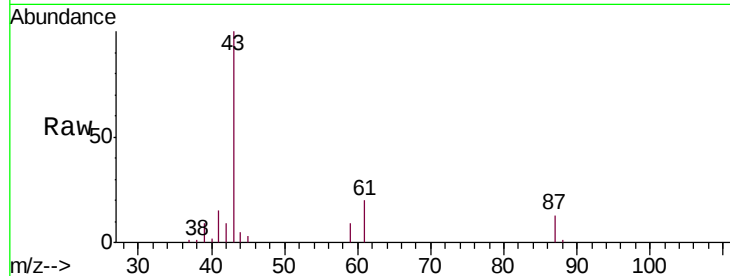
Tgt Ion: 43 Resp: 41195

Ion Ratio Lower Upper

43 100

61 20.1 20.2 30.2#

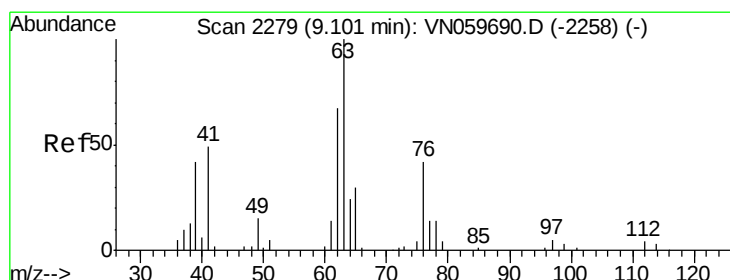
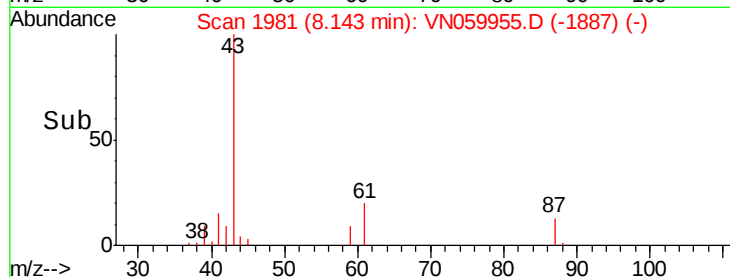
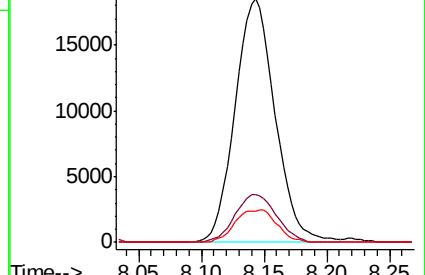
87 13.9 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059955.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059955.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059955.D (-1961) (-)



#45

1,2-Dichloropropane

Concen: 0.442 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN059955.D

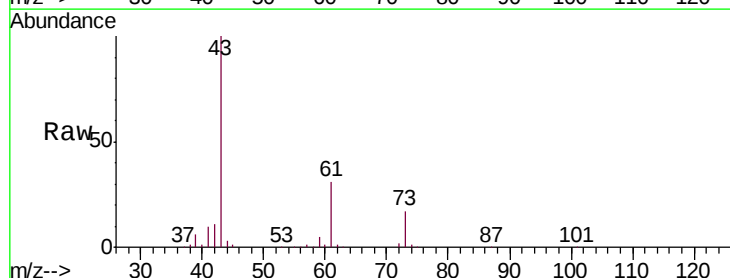
Acq: 31 Jan 2020 17:58

Tgt Ion: 63 Resp: 837

Ion Ratio Lower Upper

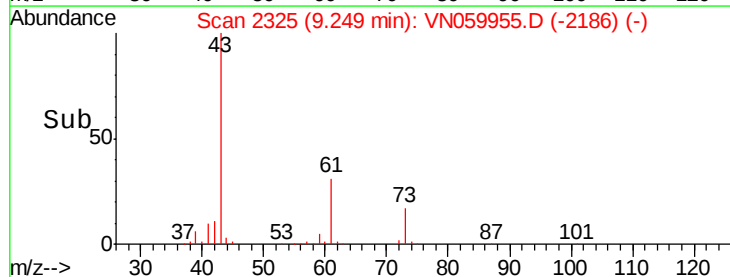
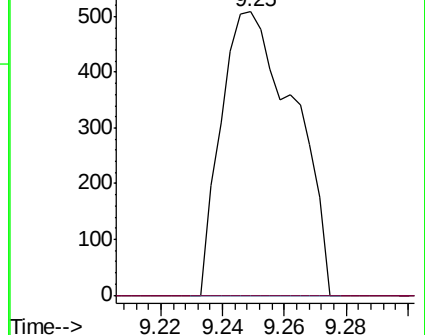
63 100

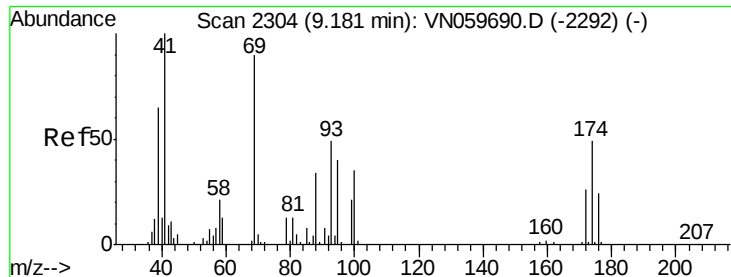
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059955.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059955.D (-2186) (-)

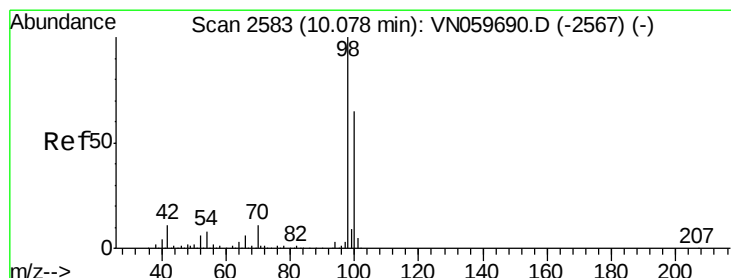
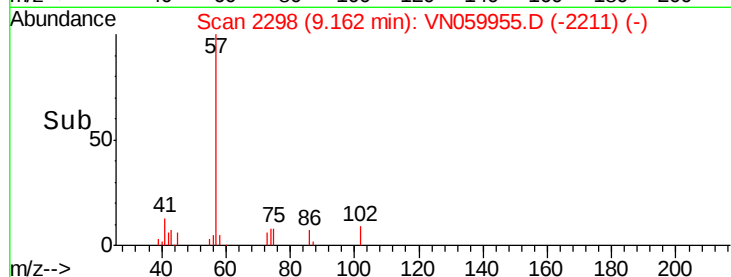
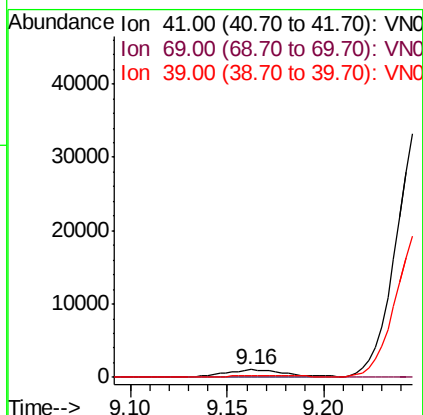
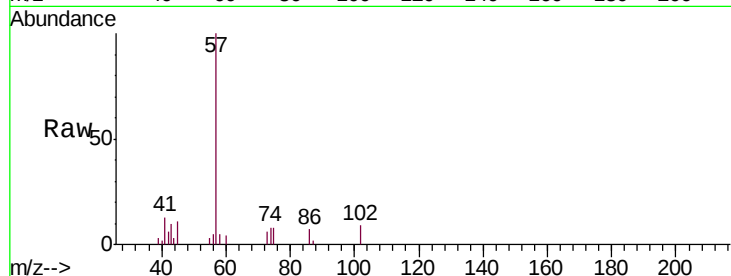




#48
Methyl methacrylate
Concen: 1.243 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN059955.D
Acq: 31 Jan 2020 17:58

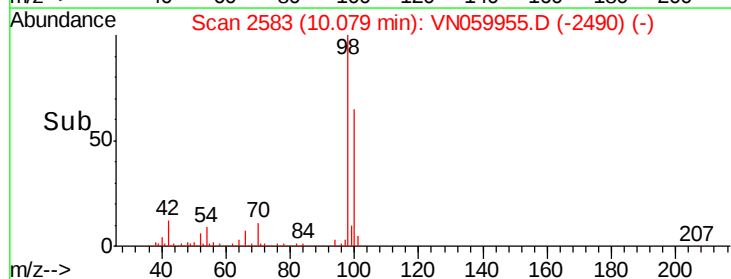
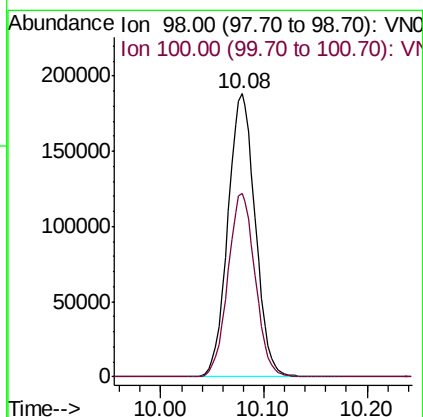
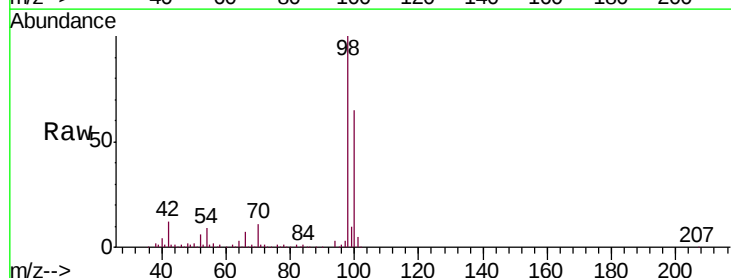
Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#06

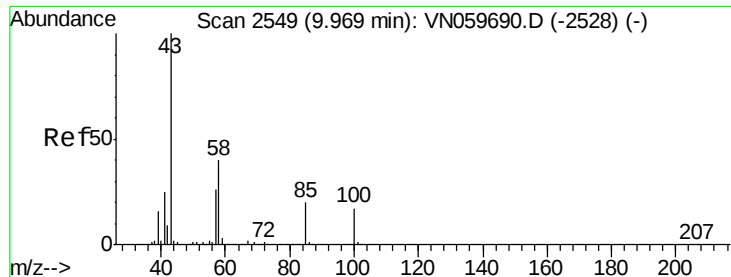
Tgt Ion: 41 Resp: 2301
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.034 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059955.D
Acq: 31 Jan 2020 17:58

Tgt Ion: 98 Resp: 347386
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8

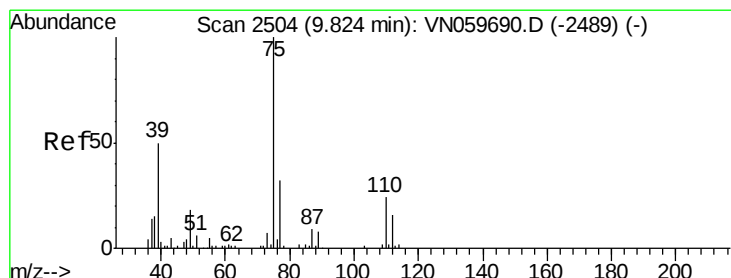
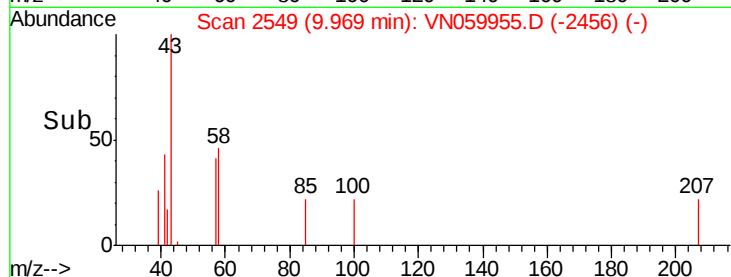
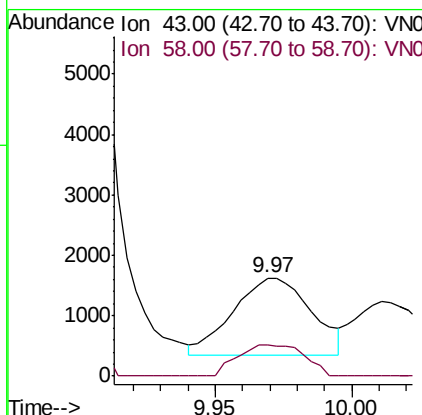
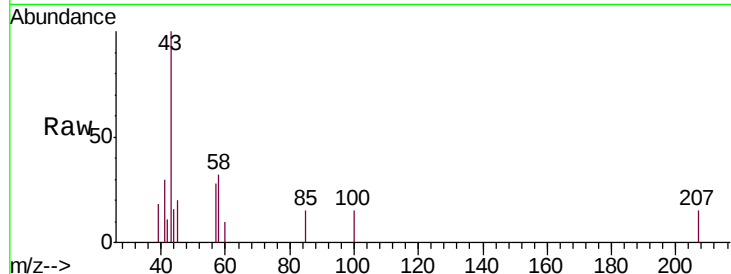




#51
 4-Methyl-2-Pentanone
 Concen: 1.066 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059955.D
 Acq: 31 Jan 2020 17:58

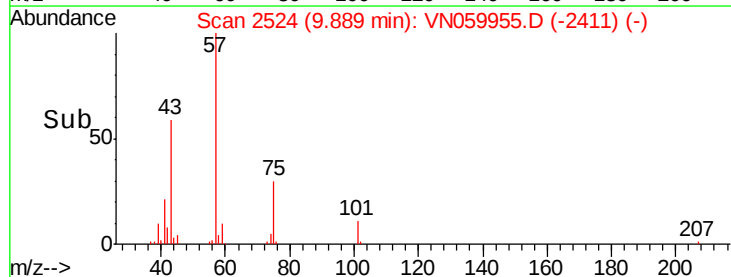
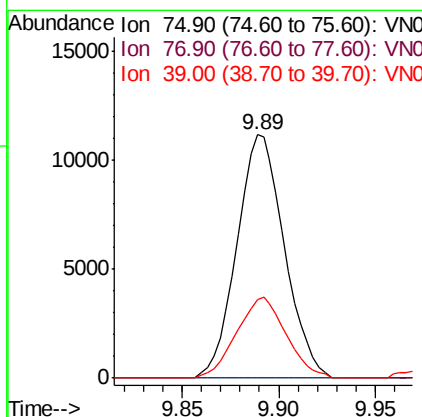
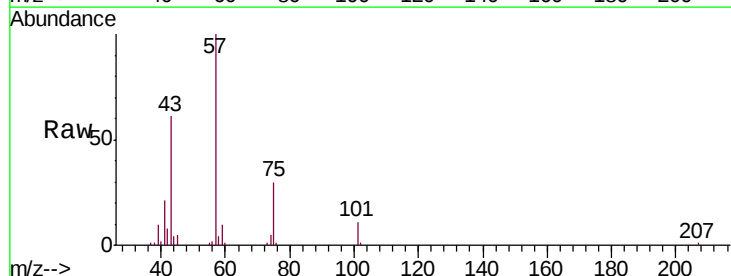
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#06

Tgt Ion: 43 Resp: 2550
 Ion Ratio Lower Upper
 43 100
 58 34.5 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 6.004 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN059955.D
 Acq: 31 Jan 2020 17:58

Tgt Ion: 75 Resp: 18985
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 32.4 46.1 69.1#

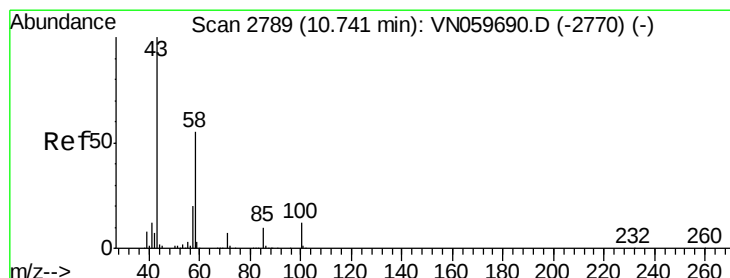
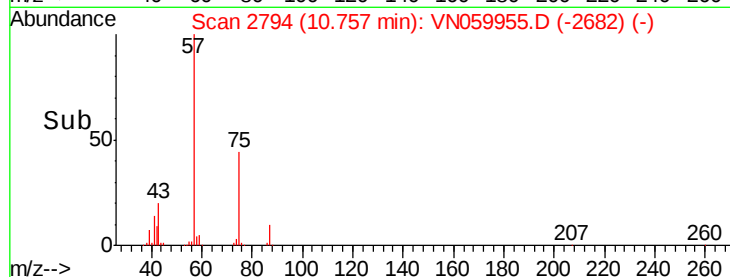
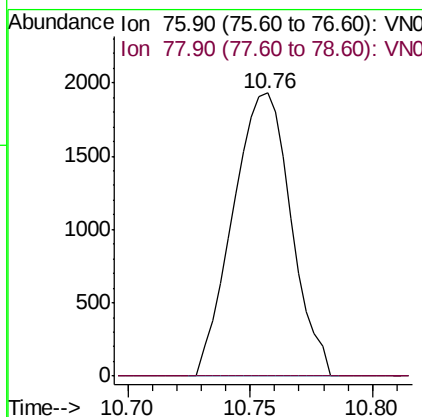
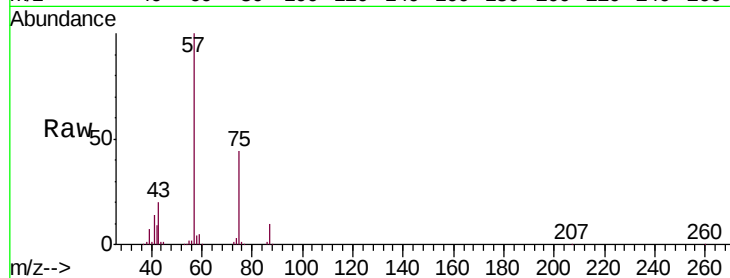




#57
 1,3-Dichloropropane
 Concen: 1.050 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN059955.D
 Acq: 31 Jan 2020 17:58

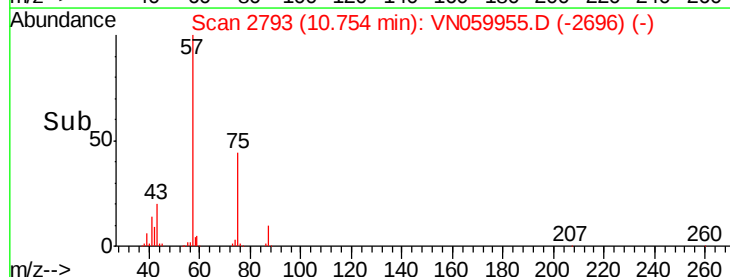
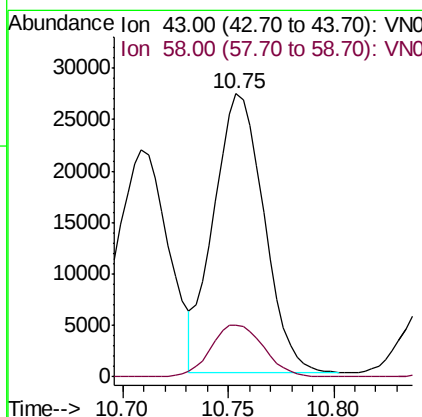
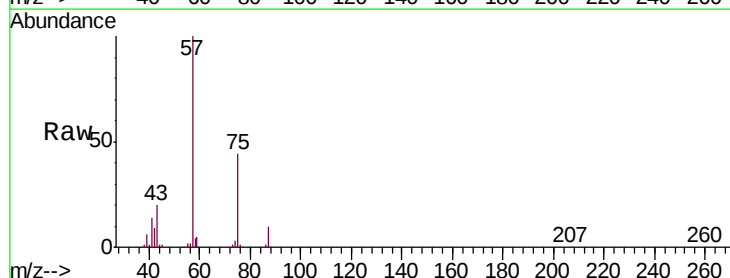
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#06

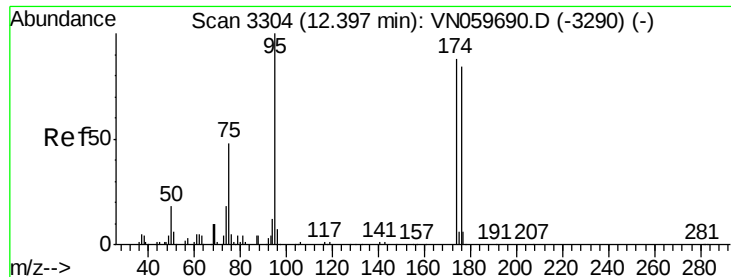
Tgt Ion: 76 Resp: 3190
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 25.397 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059955.D
 Acq: 31 Jan 2020 17:58

Tgt Ion: 43 Resp: 44765
 Ion Ratio Lower Upper
 43 100
 58 19.6 25.8 77.3#

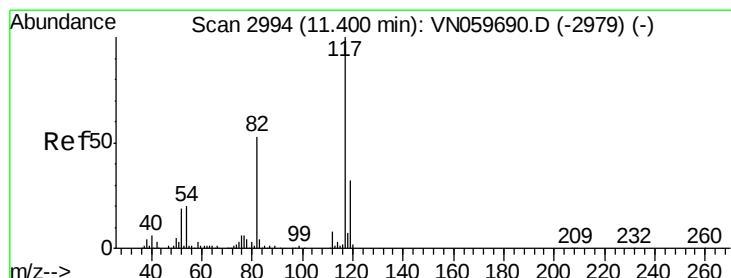
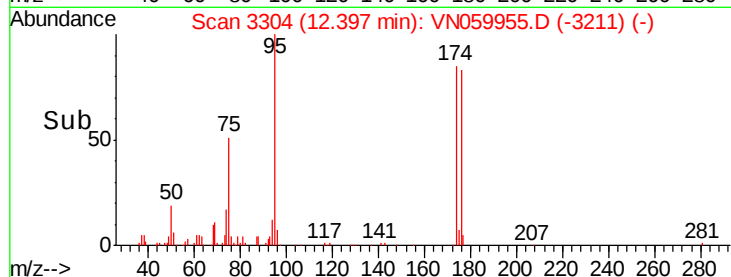
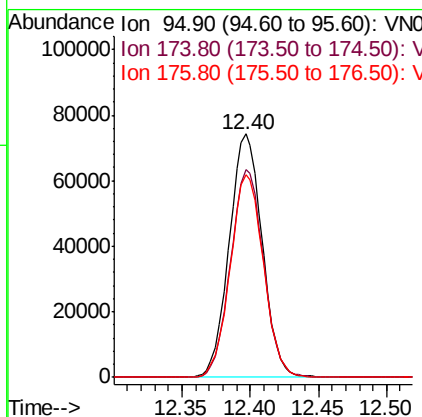
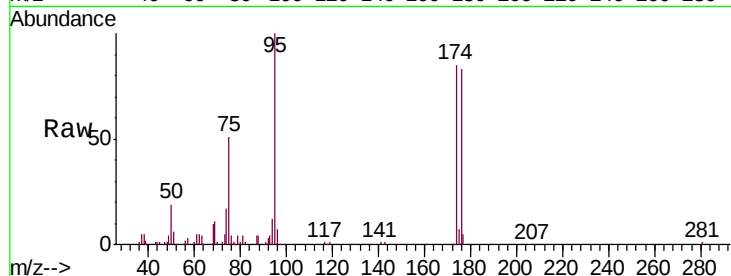




#62
4-Bromofluorobenzene
Concen: 50.709 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059955.D
Acq: 31 Jan 2020 17:58

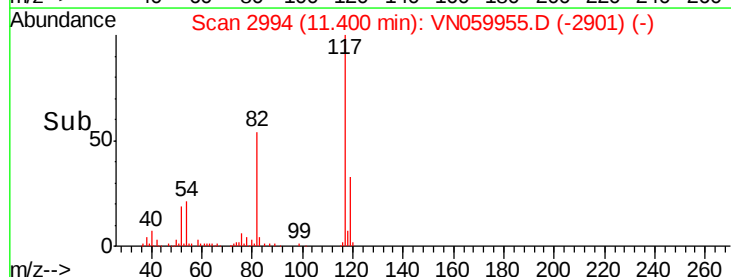
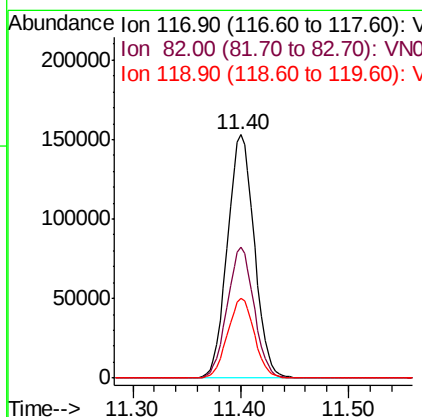
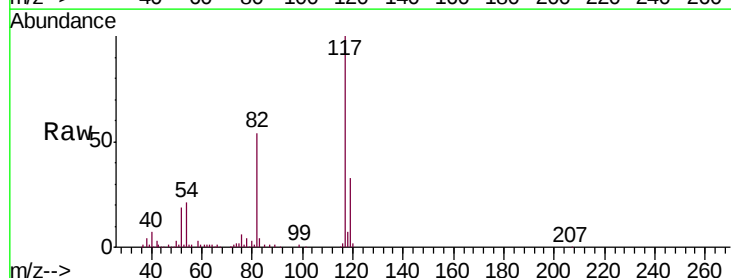
Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#06

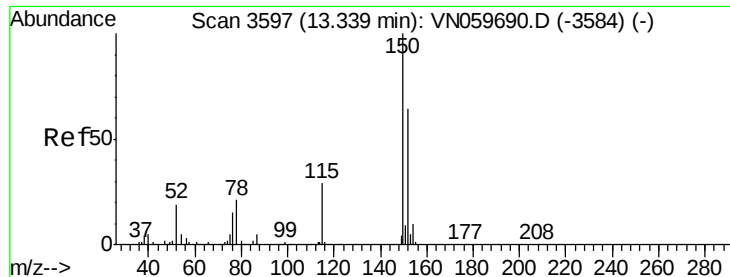
Tgt Ion	Resp	Lower	Upper
95	124435		
174	85.5	0.0	151.4
176	83.9	0.0	146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059955.D
Acq: 31 Jan 2020 17:58

Tgt Ion	Resp	Lower	Upper
117	266710		
82	53.7	45.9	68.9
119	32.9	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059955.D

Acq: 31 Jan 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#06

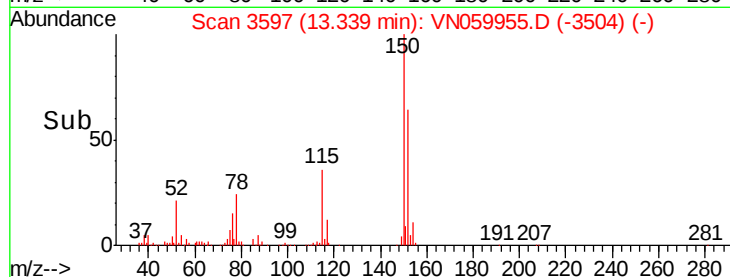
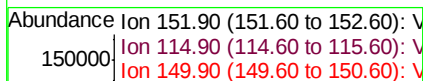
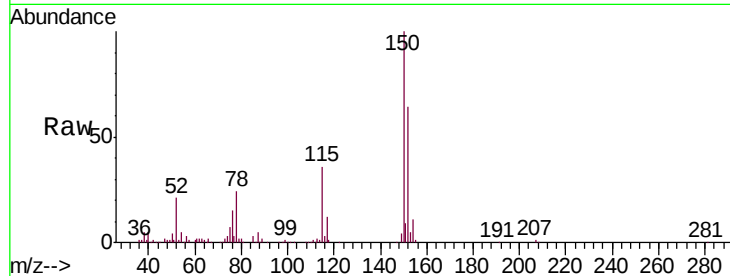
Tgt Ion:152 Resp: 121916

Ion Ratio Lower Upper

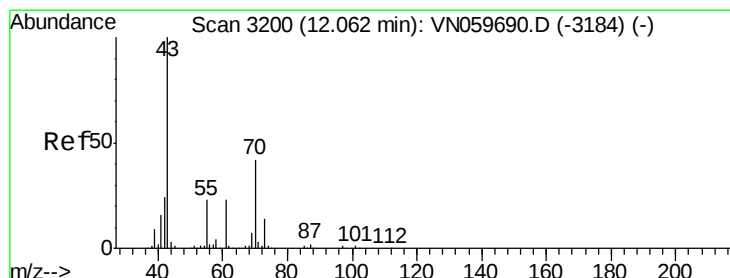
152 100

115 56.6 30.3 90.9

150 155.3 0.0 345.2



Time-->



#74

N-ethyl acetate

Concen: 0.581 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059955.D

Acq: 31 Jan 2020 17:58

Tgt Ion: 43 Resp: 2015

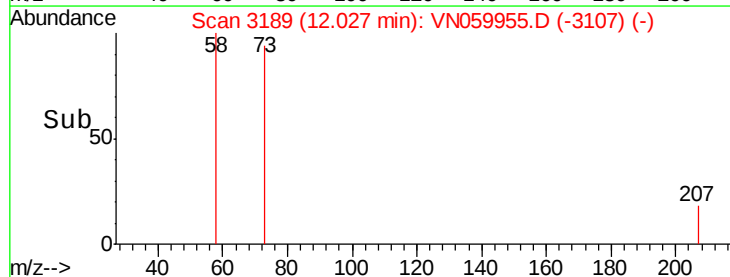
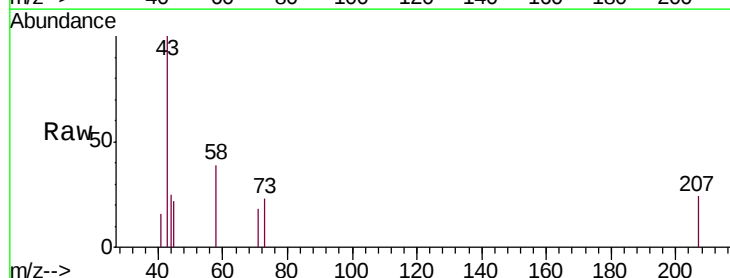
Ion Ratio Lower Upper

43 100

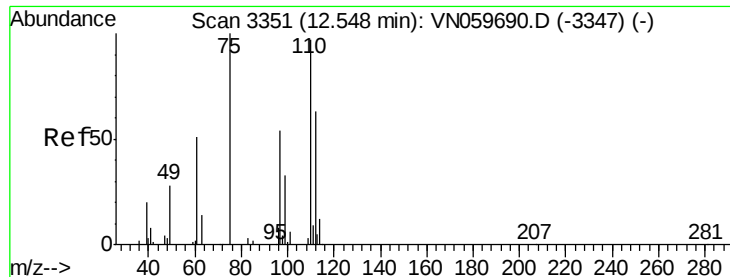
70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#



Time-->



#76

1,2,3-Trichloropropane

Concen: 30.809 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059955.D

Acq: 31 Jan 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

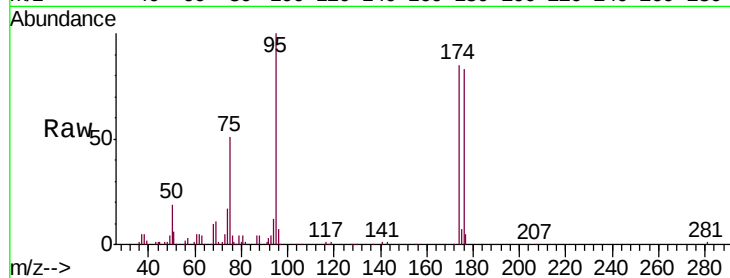
PB126487ZHE#06

Tgt Ion: 75 Resp: 63212

Ion Ratio Lower Upper

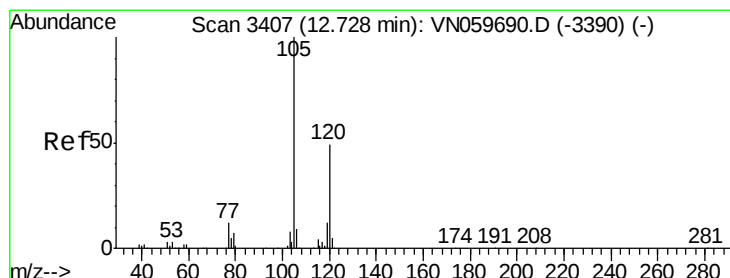
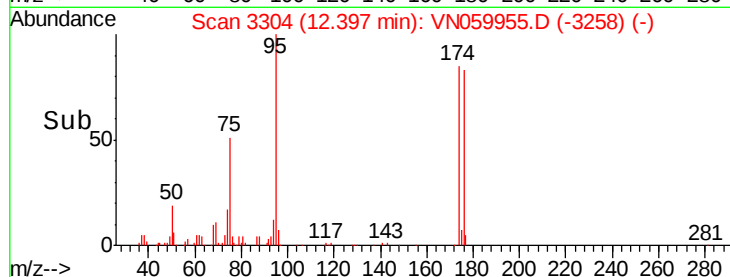
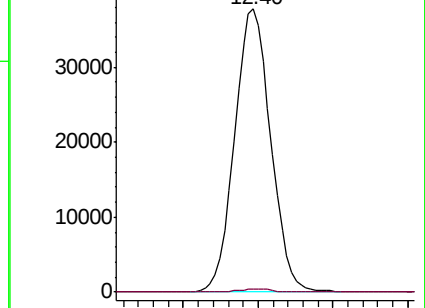
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059955.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN059955.D (-3304) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.288 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059955.D

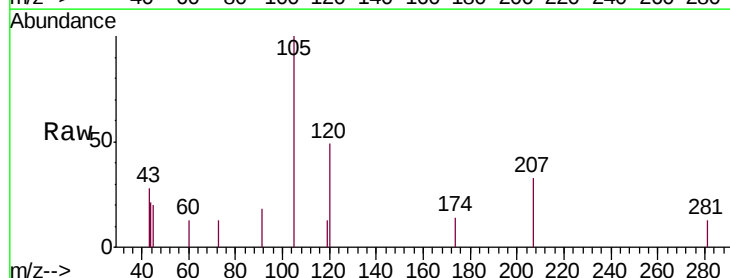
Acq: 31 Jan 2020 17:58

Tgt Ion: 105 Resp: 2164

Ion Ratio Lower Upper

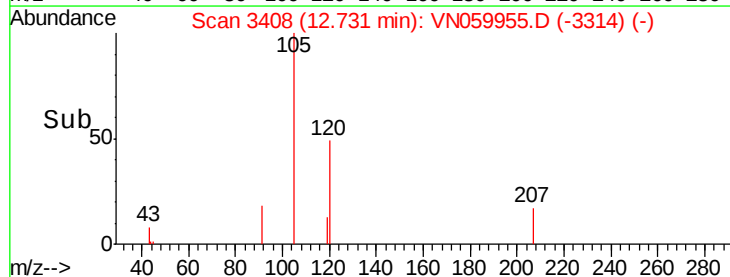
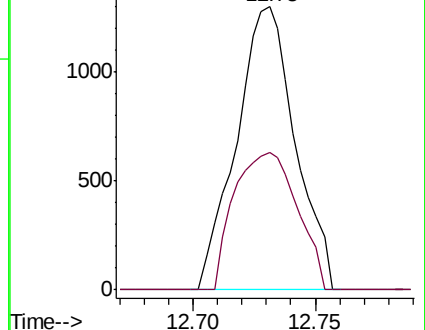
105 100

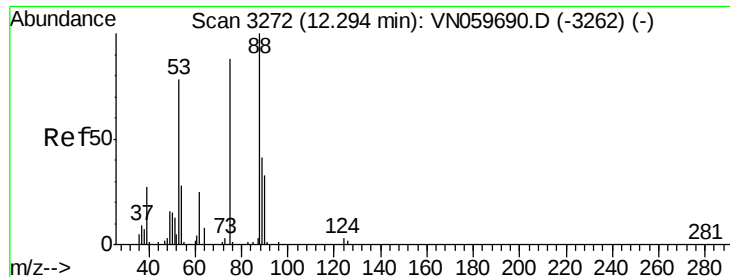
120 52.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059955.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN059955.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 66.163 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059955.D

Acq: 31 Jan 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#06

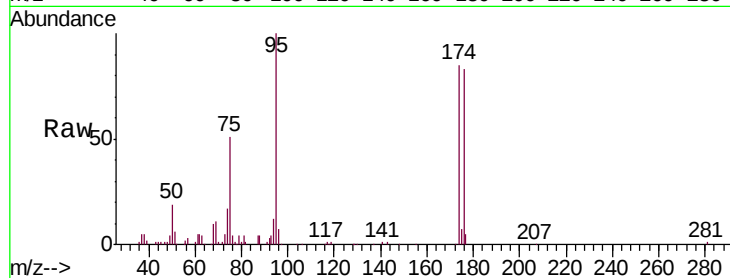
Tgt Ion: 75 Resp: 63212

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

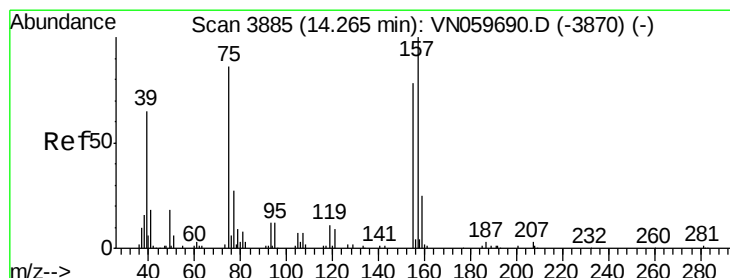
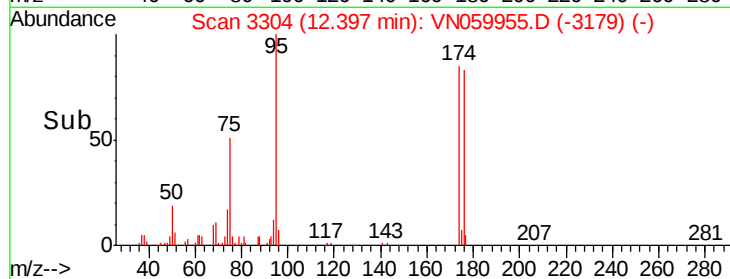
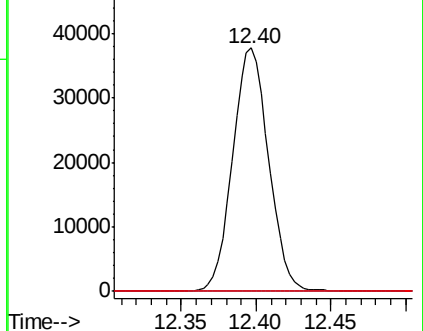
89 0.0 35.4 53.2#



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: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059955.D

Acq: 31 Jan 2020 17:58

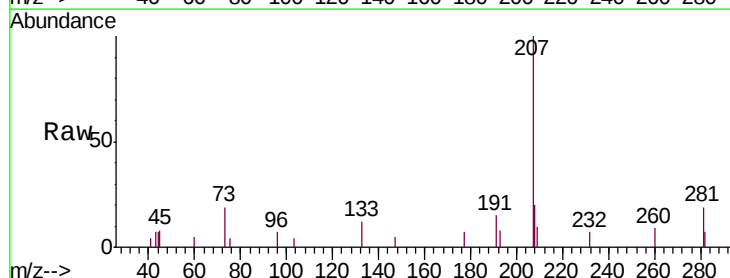
Tgt Ion: 75 Resp: 32

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

