

Data File : VN059956.D
Acq On : 31 Jan 2020 18:21
Operator : JC/MD
Sample : PB126487ZHE#07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#07

Quant Time: Feb 03 01:23:08 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	190269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	295761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	273070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124911	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	107825	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
35) Dibromofluoromethane	7.57	113	89952	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	10.08	98	352530	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.40	95	125306	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	

Target Compounds

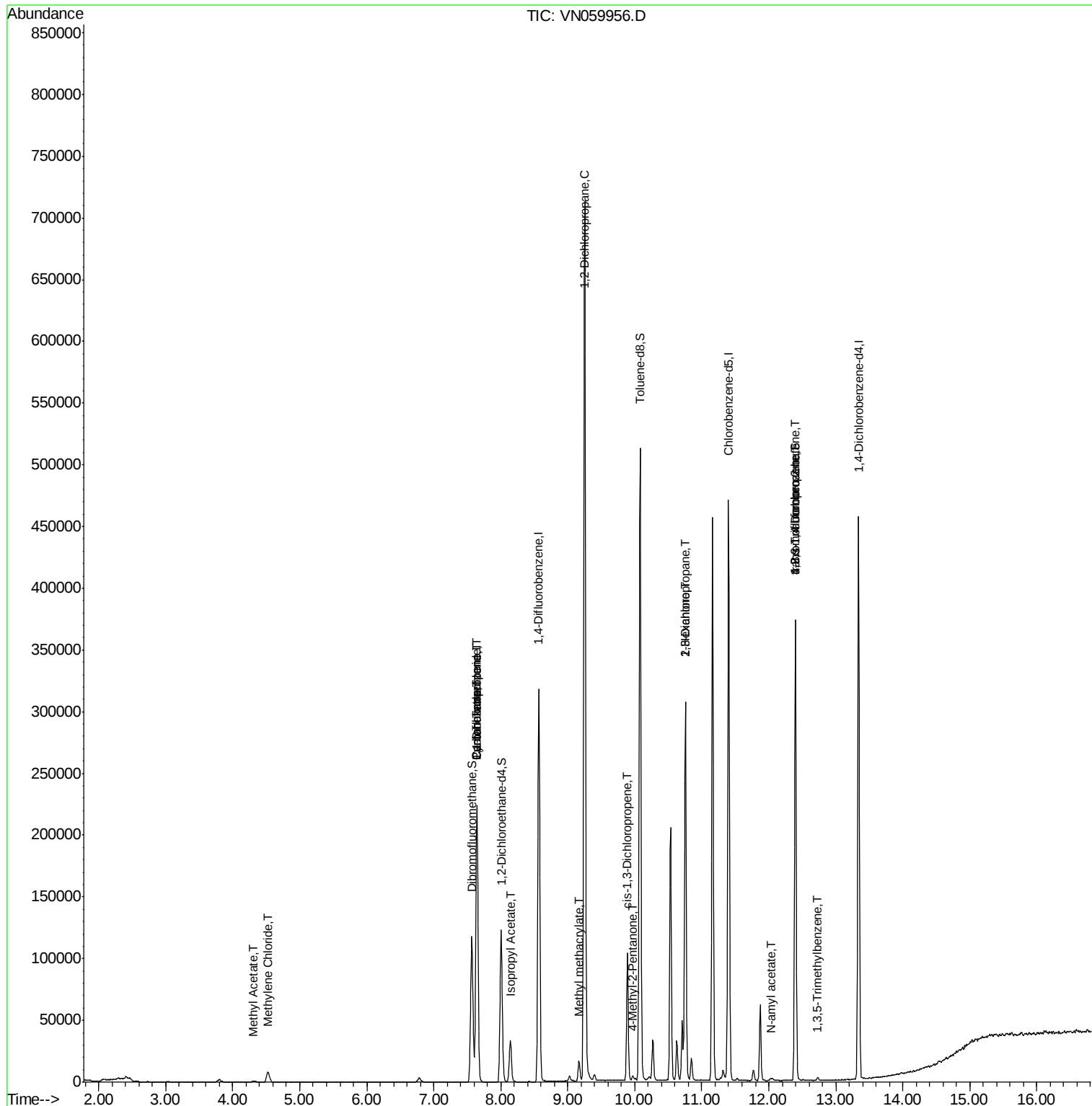
					Qvalue	
16) Acetone	3.80	43	4164	Below Cal		95
18) Methyl Acetate	4.30	43	1465	0.594 ug/l #		54
20) Methylene Chloride	4.52	84	6947	2.402 ug/l #		82
31) Cyclohexane	7.64	56	3447	1.103 ug/l #		1
36) 1,1-Dichloropropene	7.64	75	13361	5.188 ug/l #		50
38) Carbon Tetrachloride	7.64	117	17823	6.361 ug/l #		17
43) Isopropyl Acetate	8.14	43	40682	9.791 ug/l #		91
45) 1,2-Dichloropropane	9.25	63	846	0.445 ug/l #		44
48) Methyl methacrylate	9.16	41	2284	1.229 ug/l #		13
51) 4-Methyl-2-Pentanone	9.97	43	2567	1.069 ug/l		95
54) cis-1,3-Dichloropropene	9.89	75	19265	6.069 ug/l #		58
57) 1,3-Dichloropropane	10.75	76	3363	1.102 ug/l #		42
59) 2-Hexanone	10.75	43	43987	24.858 ug/l #		56
74) N-amyl acetate	12.03	43	1981	0.557 ug/l #		45
76) 1,2,3-Trichloropropane	12.40	75	64132	30.508 ug/l #		100
80) 1,3,5-Trimethylbenzene	12.73	105	2192	0.285 ug/l		99
81) trans-1,4-Dichloro-2-buten	12.40	75	64132	65.516 ug/l #		11
92) 1,2-Dibromo-3-Chloropropan	14.31	75	30	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: VN059956.D

Acq: 31 Jan 2020 18:21

Instrument :

MSVOA_N

ClientSampleId :

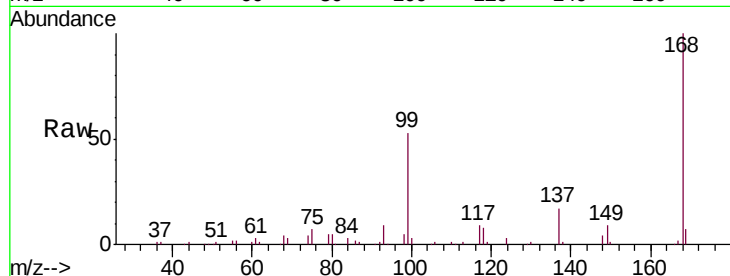
PB126487ZHE#07

Tgt Ion:168 Resp: 190269

Ion Ratio Lower Upper

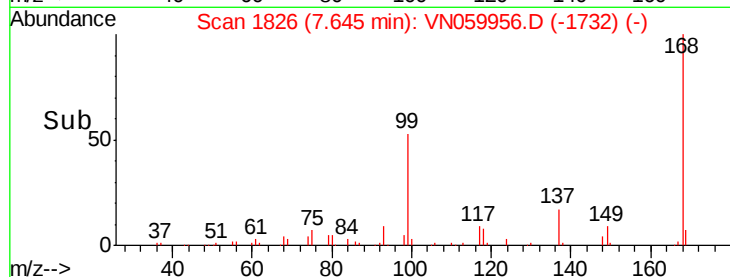
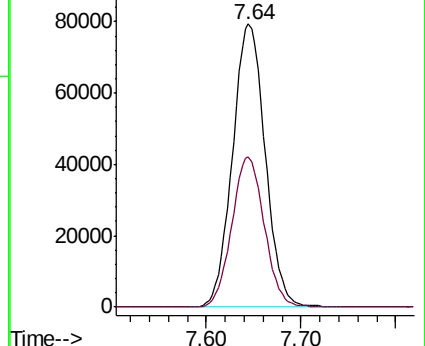
168 100

99 52.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 630

Delta R.T. 0.02 min

Lab File: VN059956.D

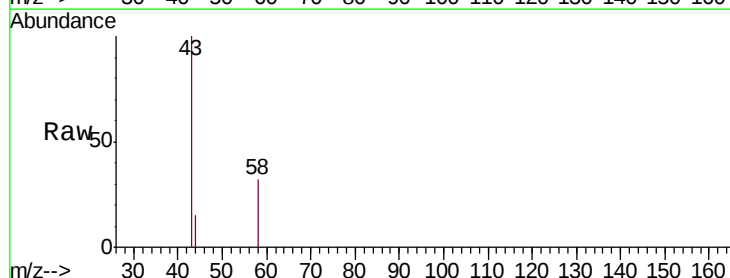
Acq: 31 Jan 2020 18:21

Tgt Ion: 43 Resp: 4164

Ion Ratio Lower Upper

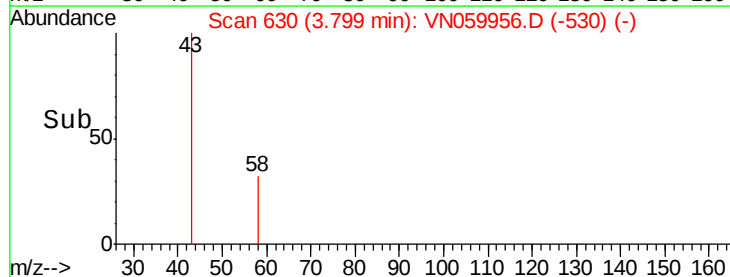
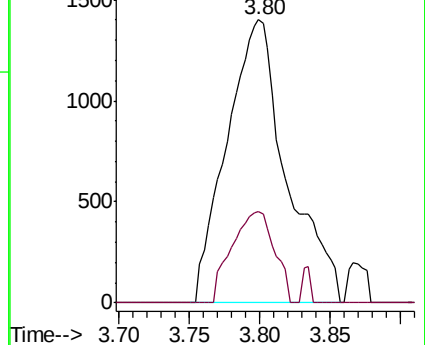
43 100

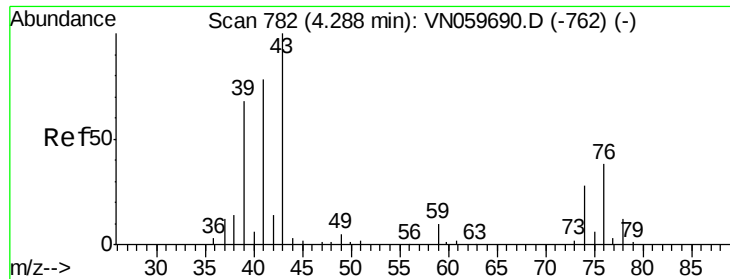
58 32.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

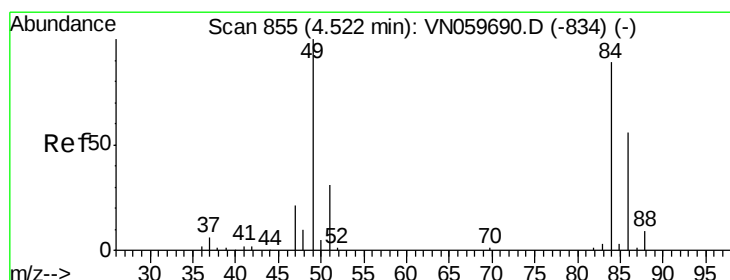
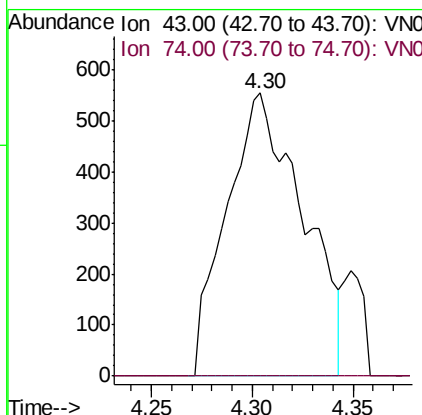
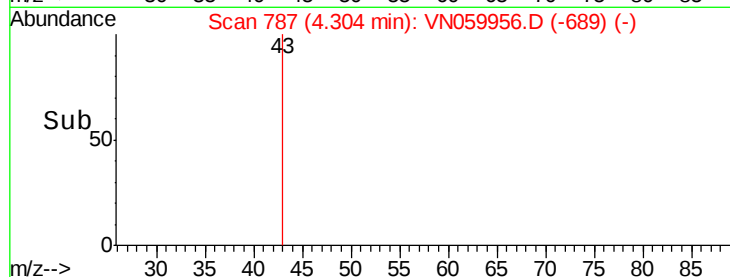
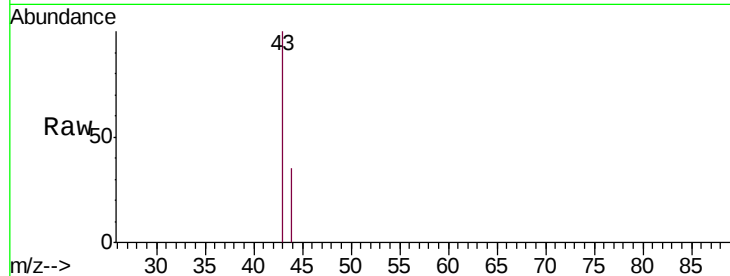




#18
Methyl Acetate
Concen: 0.594 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN059956.D
Acq: 31 Jan 2020 18:21

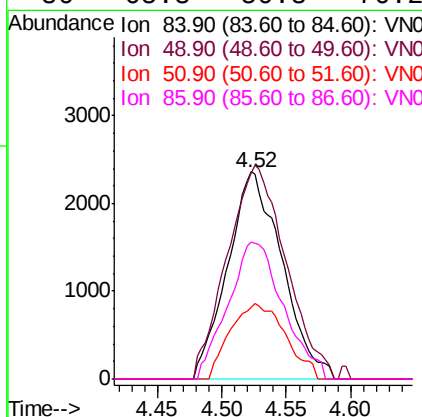
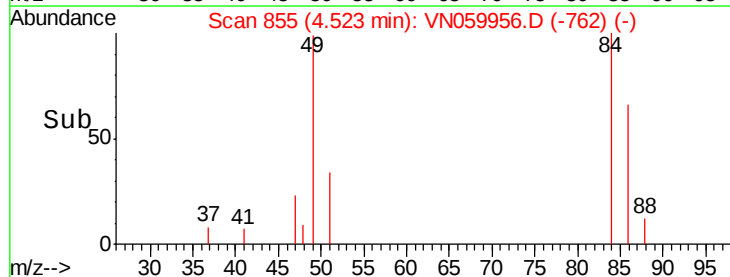
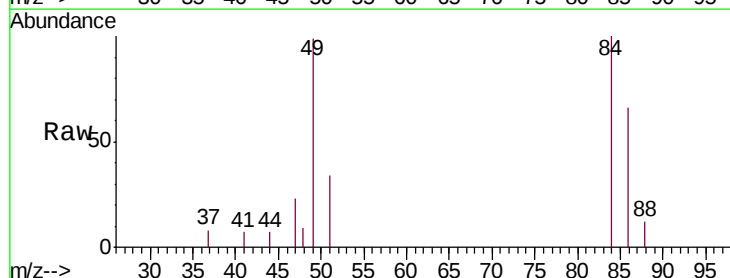
Instrument :
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ClientSampleId :
PB126487ZHE#07

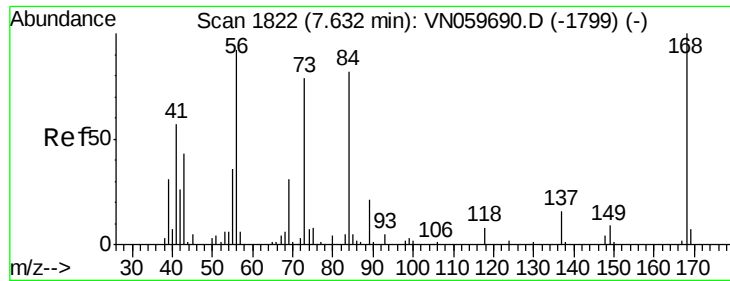
Tgt Ion: 43 Resp: 1465
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.402 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059956.D
Acq: 31 Jan 2020 18:21

Tgt Ion: 84 Resp: 6947
Ion Ratio Lower Upper
84 100
49 99.4 106.6 160.0#
51 34.4 31.9 47.9
86 65.8 50.8 76.2

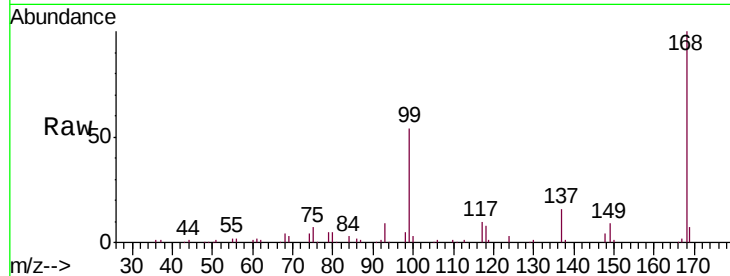




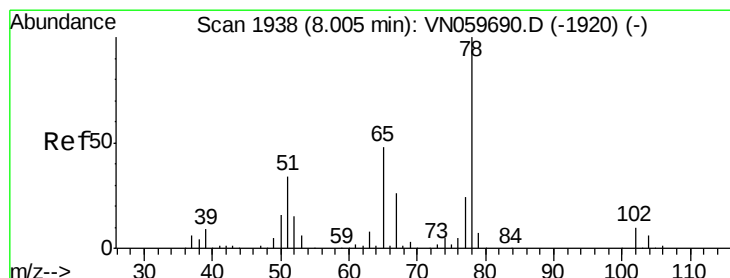
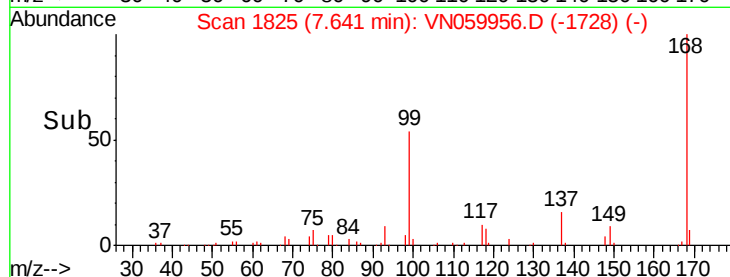
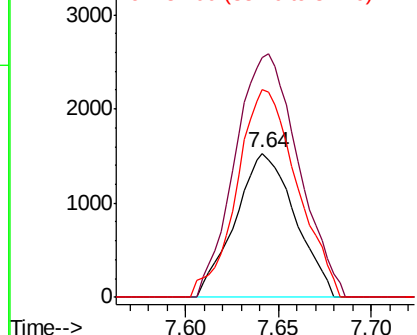
#31
Cyclohexane
Concen: 1.103 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059956.D
Acq: 31 Jan 2020 18:21

Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#07

Tgt Ion: 56 Resp: 3447
Ion Ratio Lower Upper
56 100
69 167.0 26.5 39.7#
84 144.5 65.3 97.9#

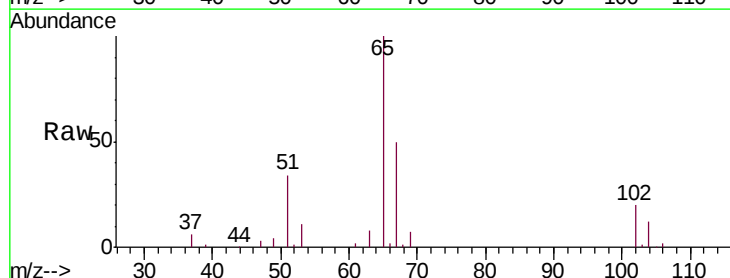


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

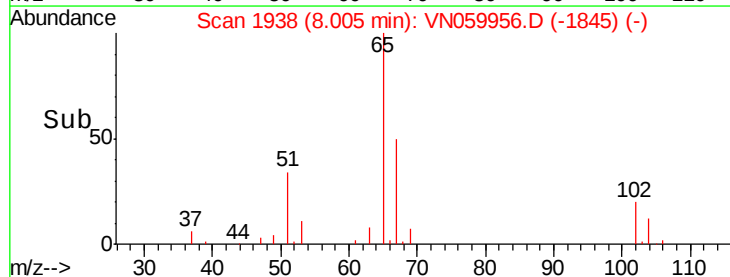
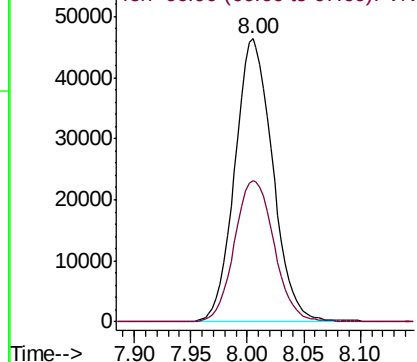


#33
1,2-Dichloroethane-d4
Concen: 51.030 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059956.D
Acq: 31 Jan 2020 18:21

Tgt Ion: 65 Resp: 107825
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.0



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

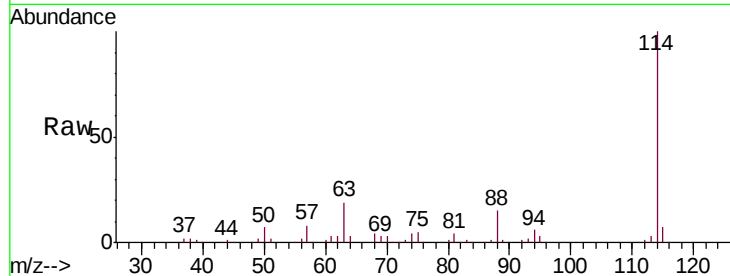




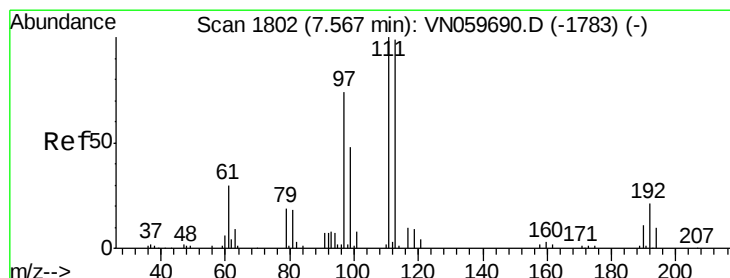
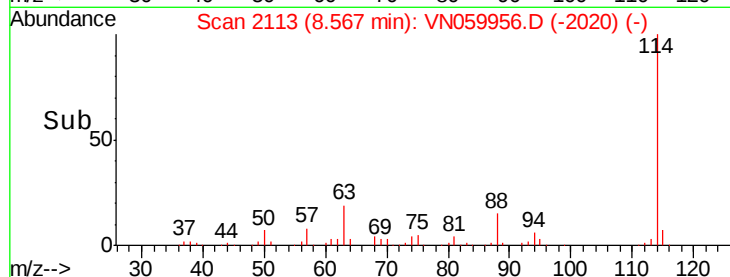
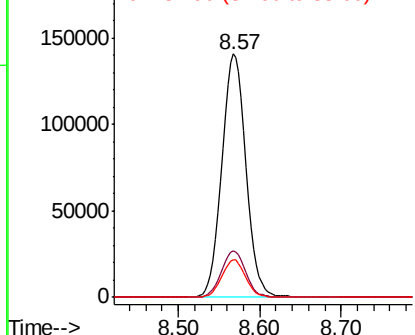
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059956.D
 Acq: 31 Jan 2020 18:21

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#07

Tgt Ion:114 Resp: 295761
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 43.6
 88 15.5 0.0 31.4

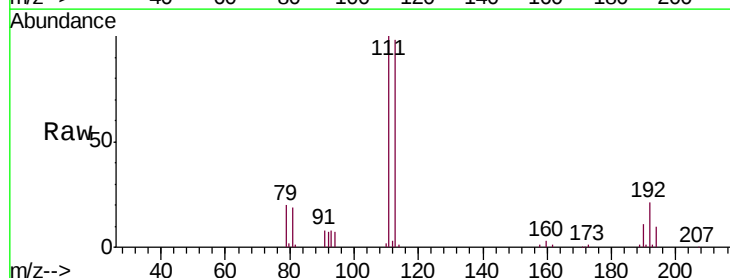


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

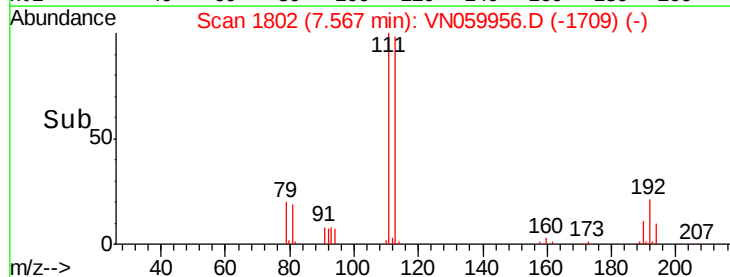
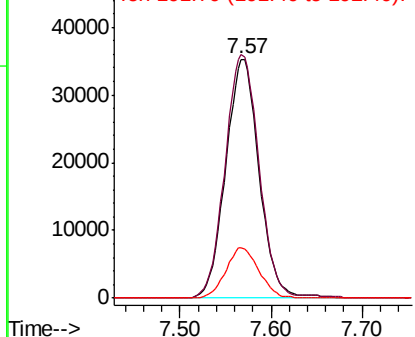


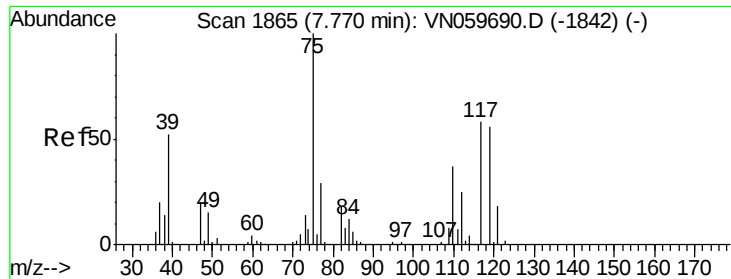
#35
 Dibromofluoromethane
 Concen: 51.000 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059956.D
 Acq: 31 Jan 2020 18:21

Tgt Ion:113 Resp: 89952
 Ion Ratio Lower Upper
 113 100
 111 104.2 83.5 125.3
 192 20.8 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

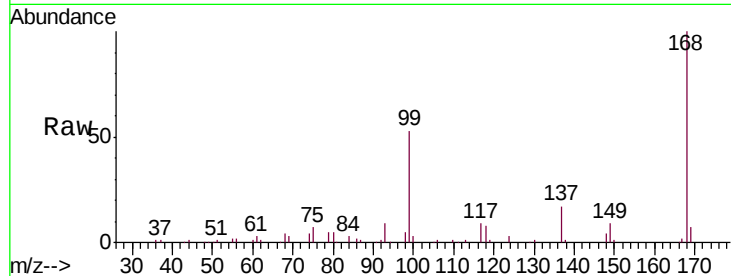




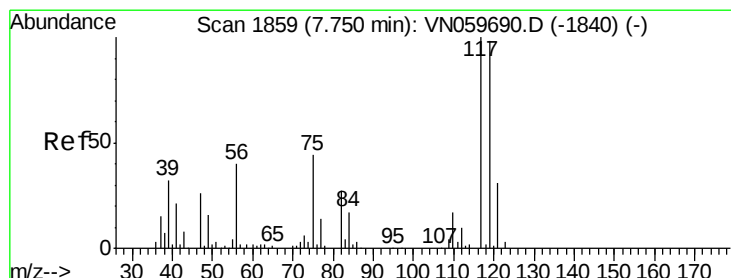
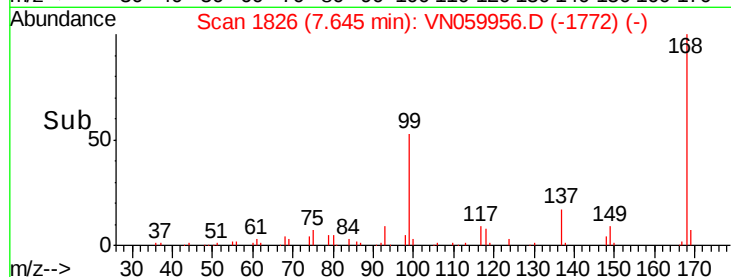
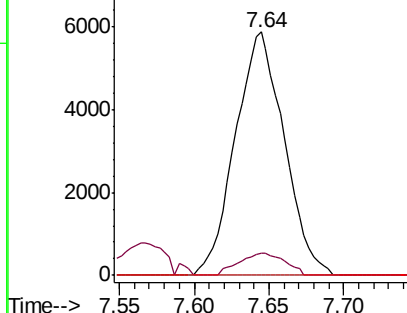
#36
 1,1-Dichloropropene
 Concen: 5.188 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059956.D
 Acq: 31 Jan 2020 18:21

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.6	49.7#
77	0.0	25.1	37.7#

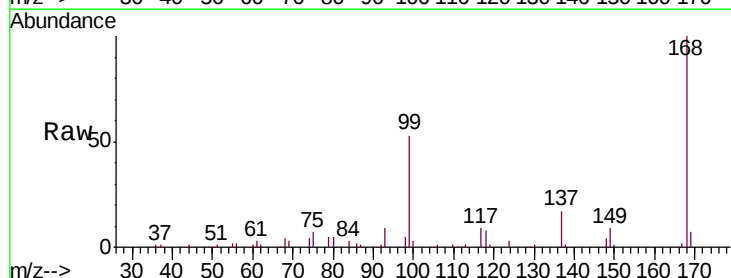


Abundance Ion 74.90 (74.60 to 75.60): VN059956.D (-1772) (-)
 Ion 109.90 (109.60 to 110.60): VN059956.D (-1772) (-)
 Ion 76.90 (76.60 to 77.60): VN059956.D (-1772) (-)

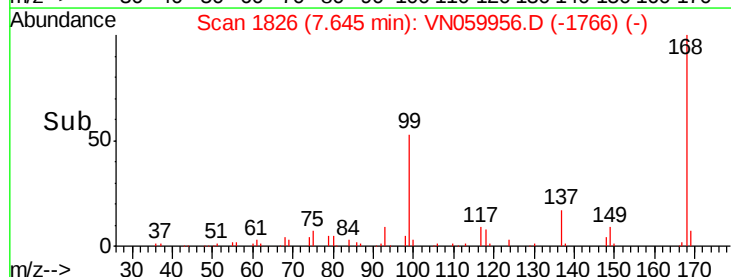
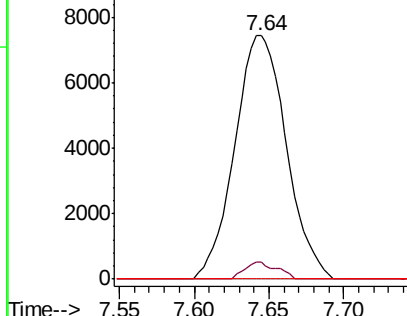


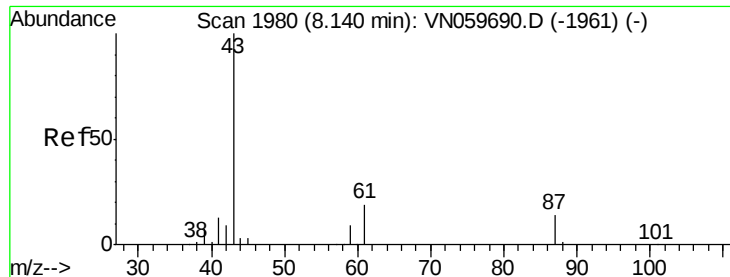
#38
 Carbon Tetrachloride
 Concen: 6.361 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059956.D
 Acq: 31 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	76.5	114.7#
121	0.0	25.1	37.7#



Abundance Ion 116.80 (116.50 to 117.50): VN059956.D (-1766) (-)
 Ion 118.80 (118.50 to 119.50): VN059956.D (-1766) (-)
 Ion 120.80 (120.50 to 121.50): VN059956.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 9.791 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059956.D

Acq: 31 Jan 2020 18:21

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#07

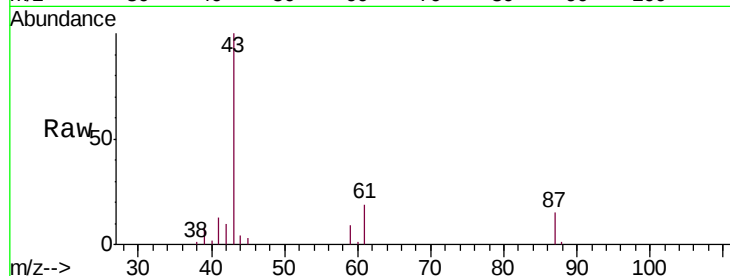
Tgt Ion: 43 Resp: 40682

Ion Ratio Lower Upper

43 100

61 20.0 20.2 30.2#

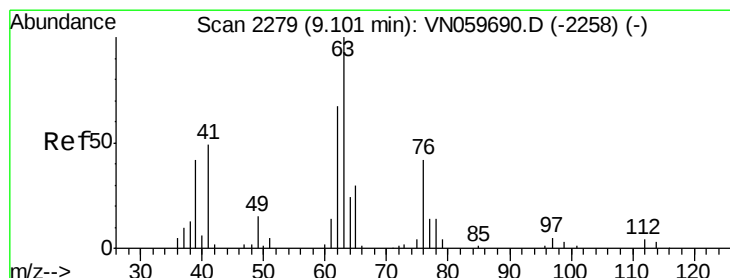
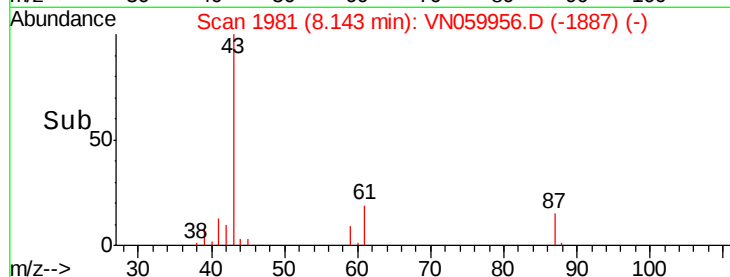
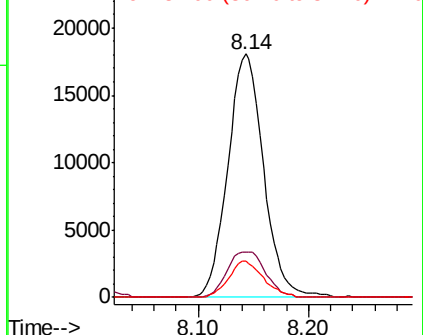
87 14.4 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059956.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059956.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059956.D (-1961) (-)



#45

1,2-Dichloropropane

Concen: 0.445 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN059956.D

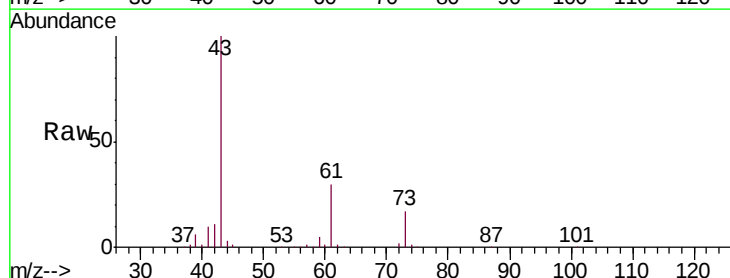
Acq: 31 Jan 2020 18:21

Tgt Ion: 63 Resp: 846

Ion Ratio Lower Upper

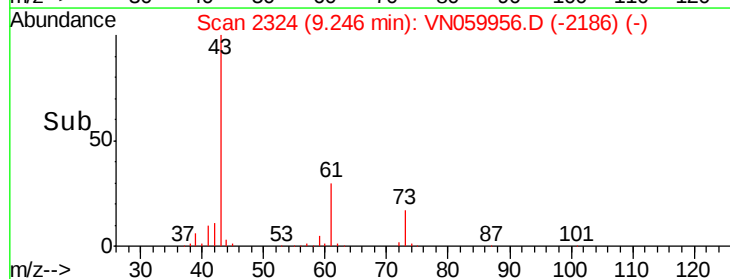
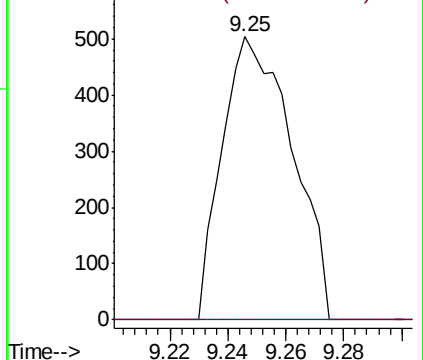
63 100

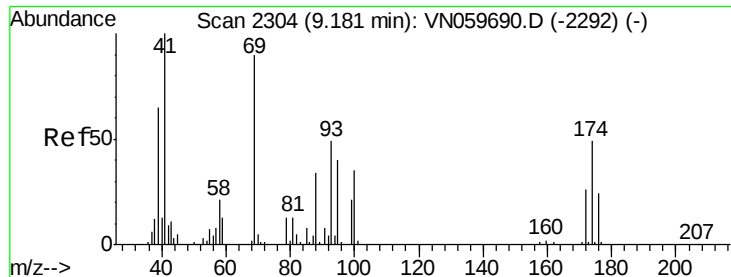
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059956.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059956.D (-2186) (-)

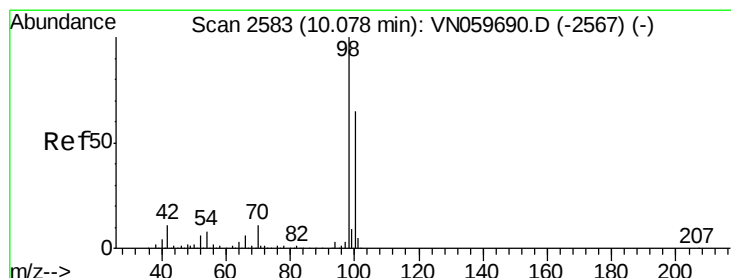
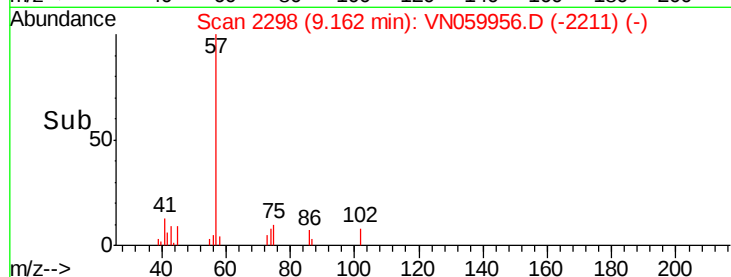
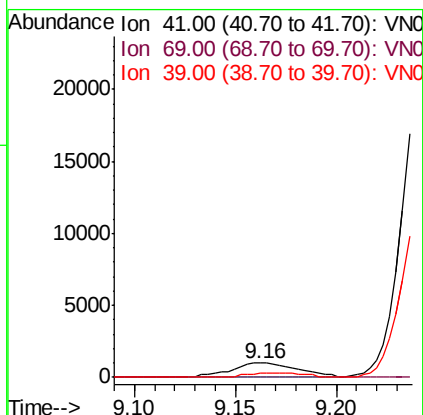
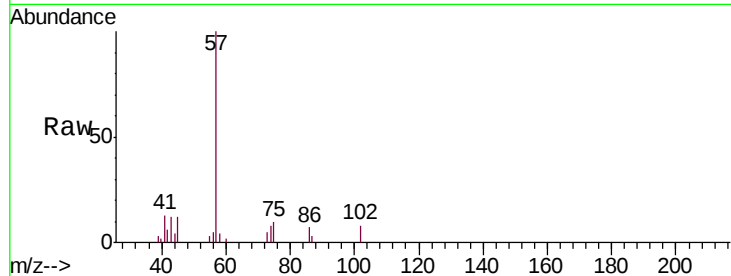




#48
Methyl methacrylate
Concen: 1.229 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN059956.D
Acq: 31 Jan 2020 18:21

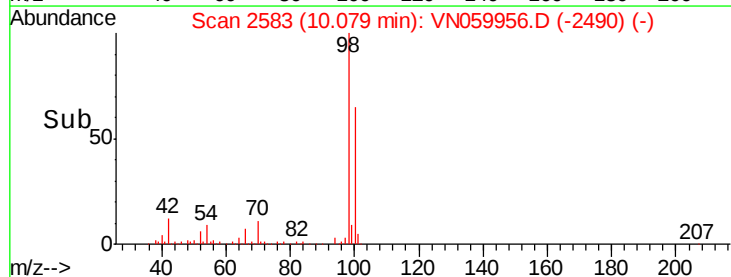
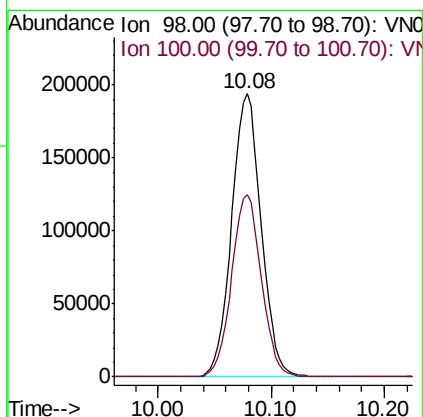
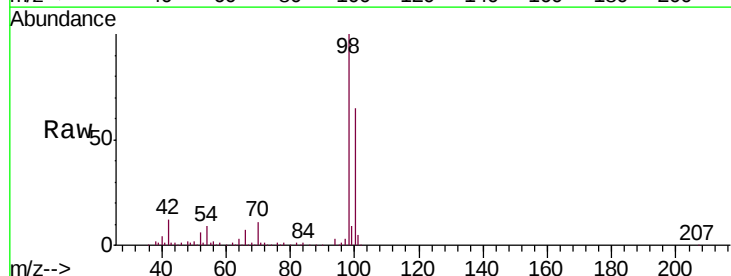
Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#07

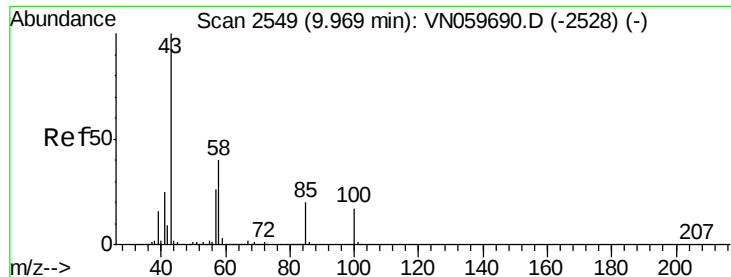
Tgt Ion: 41 Resp: 2284
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.587 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059956.D
Acq: 31 Jan 2020 18:21

Tgt Ion: 98 Resp: 352530
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8

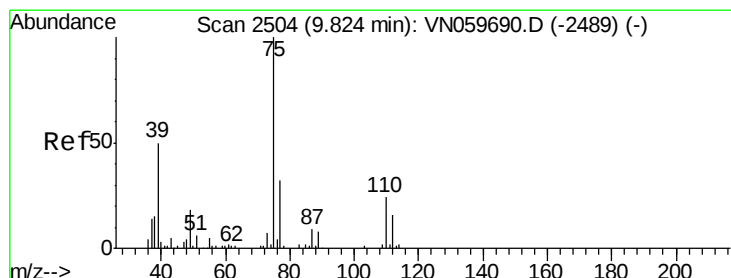
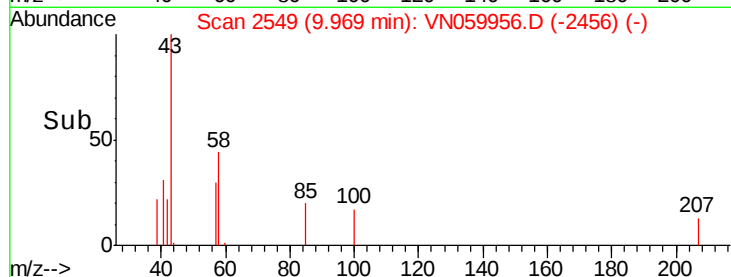
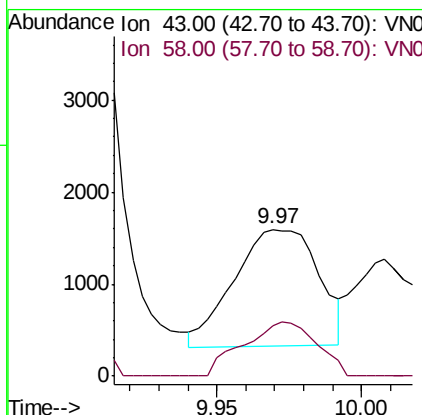
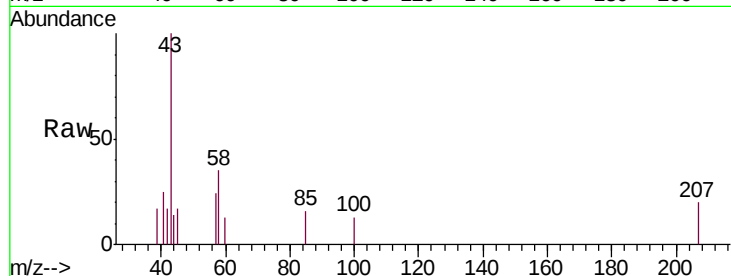




#51
 4-Methyl-2-Pentanone
 Concen: 1.069 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059956.D
 Acq: 31 Jan 2020 18:21

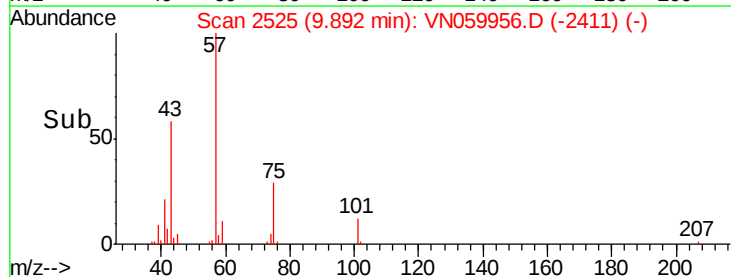
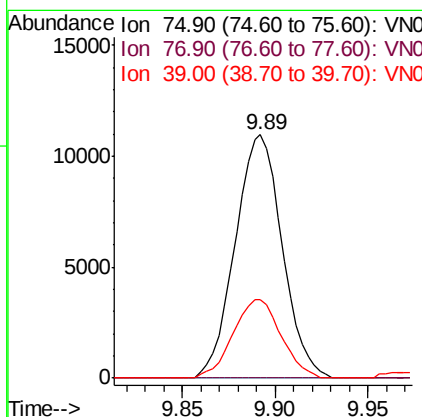
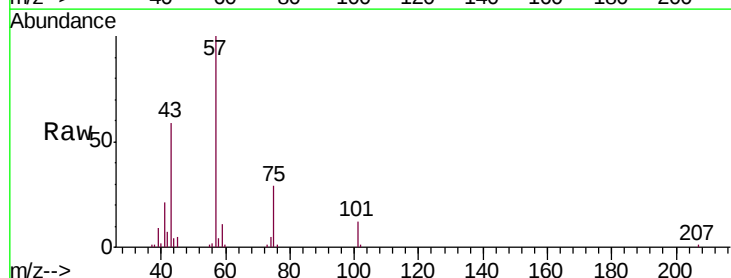
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#07

Tgt Ion: 43 Resp: 2567
 Ion Ratio Lower Upper
 43 100
 58 40.2 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 6.069 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN059956.D
 Acq: 31 Jan 2020 18:21

Tgt Ion: 75 Resp: 19265
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 32.5 46.1 69.1#

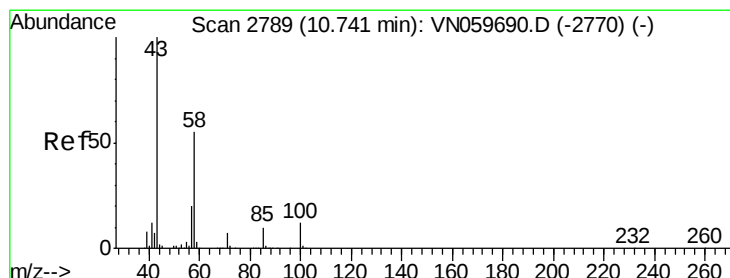
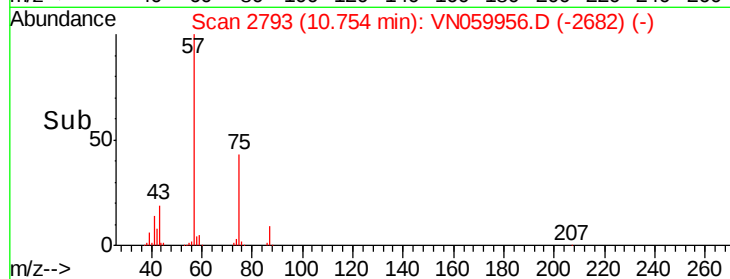
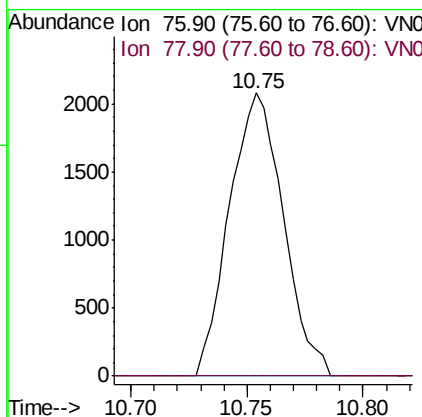
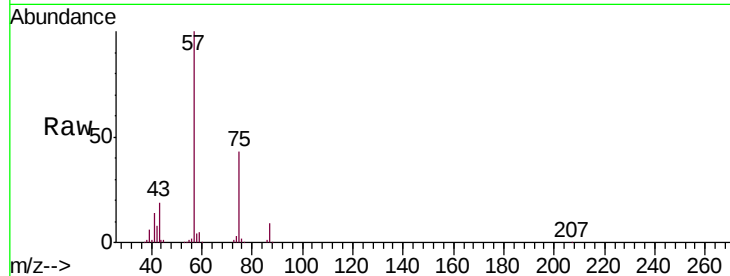




#57
 1,3-Dichloropropane
 Concen: 1.102 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059956.D
 Acq: 31 Jan 2020 18:21

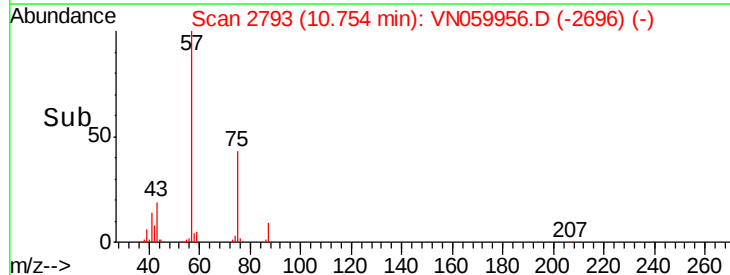
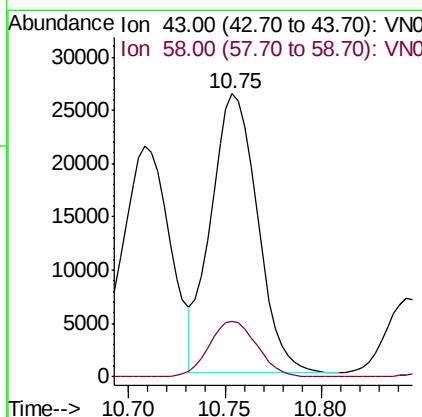
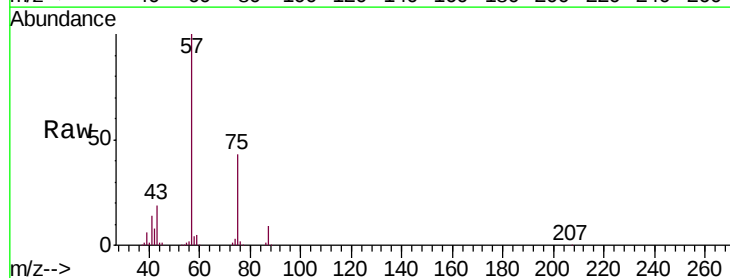
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#07

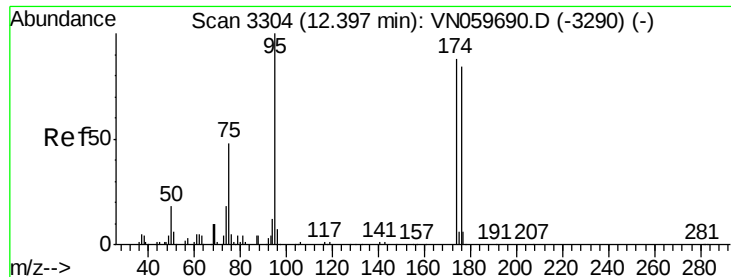
Tgt Ion: 76 Resp: 3363
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 24.858 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059956.D
 Acq: 31 Jan 2020 18:21

Tgt Ion: 43 Resp: 43987
 Ion Ratio Lower Upper
 43 100
 58 20.4 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 50.864 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059956.D

Acq: 31 Jan 2020 18:21

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#07

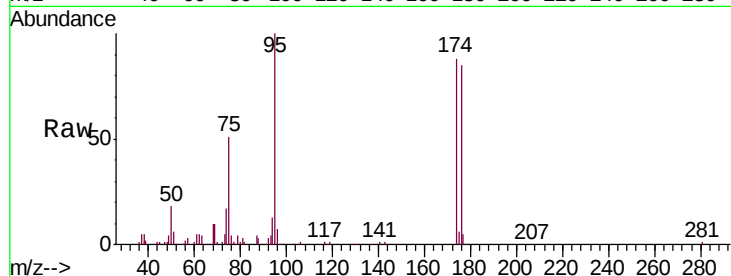
Tgt Ion: 95 Resp: 125306

Ion Ratio Lower Upper

95 100

174 88.0 0.0 151.4

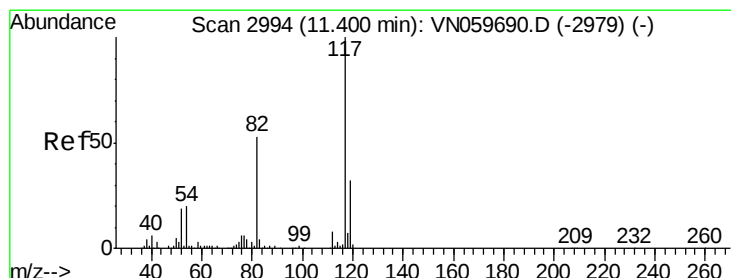
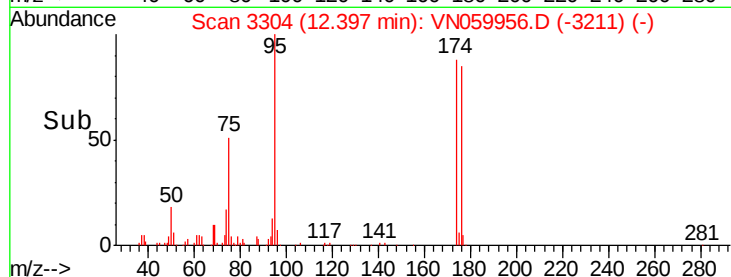
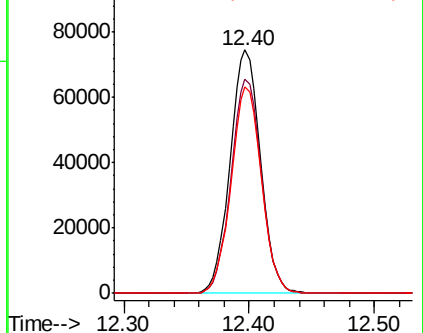
176 84.8 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059956.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN059956.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN059956.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059956.D

Acq: 31 Jan 2020 18:21

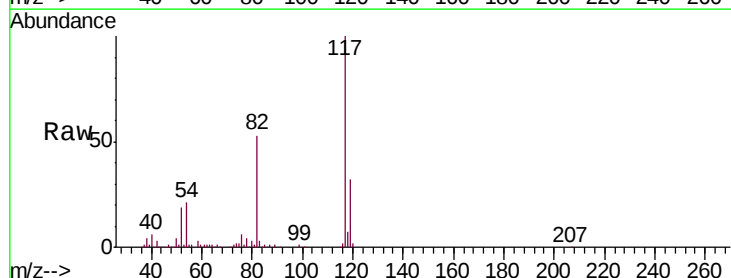
Tgt Ion: 117 Resp: 273070

Ion Ratio Lower Upper

117 100

82 52.8 45.9 68.9

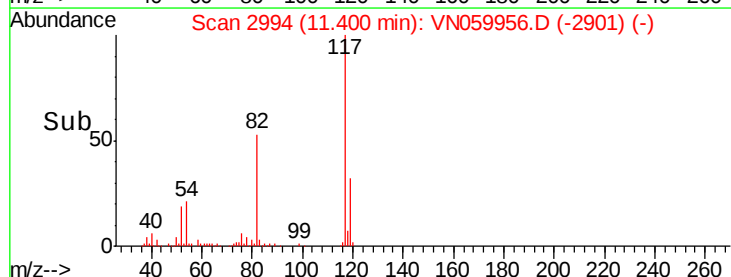
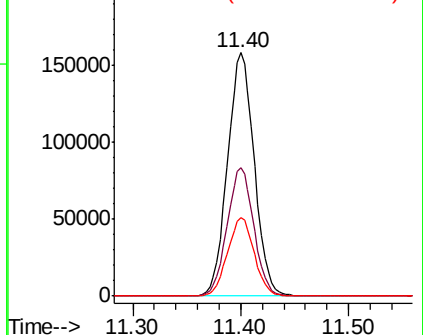
119 32.3 25.5 38.3

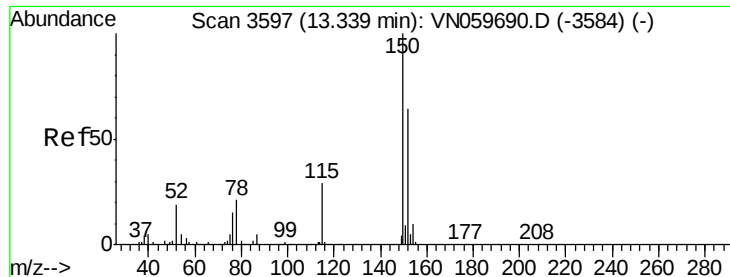


Abundance Ion 116.90 (116.60 to 117.60): VN059956.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059956.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059956.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: VN059956.D

Acq: 31 Jan 2020 18:21

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#07

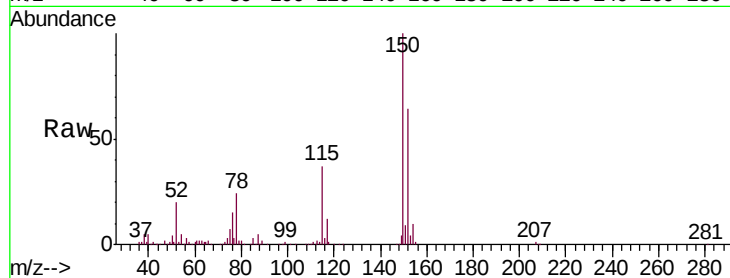
Tgt Ion:152 Resp: 124911

Ion Ratio Lower Upper

152 100

115 57.7 30.3 90.9

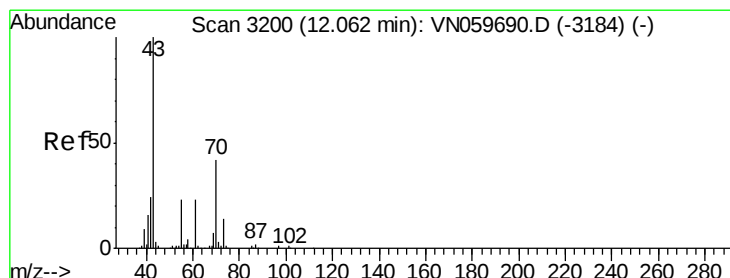
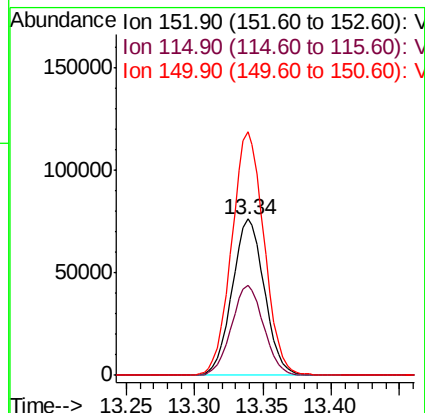
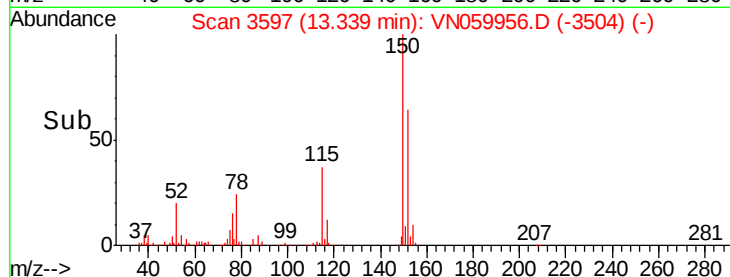
150 157.1 0.0 345.2



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: 0.557 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.03 min

Lab File: VN059956.D

Acq: 31 Jan 2020 18:21

Tgt Ion: 43 Resp: 1981

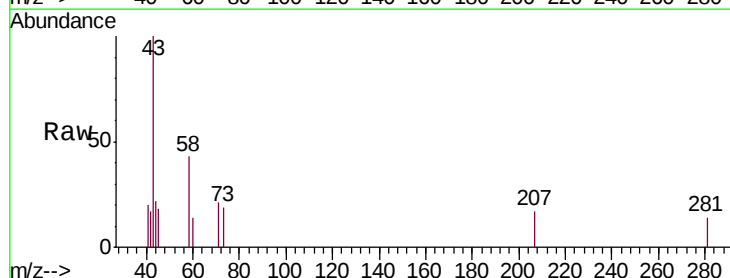
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

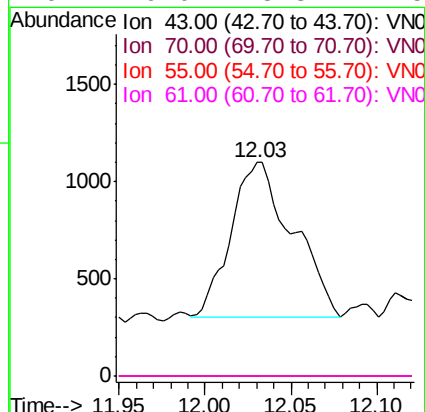
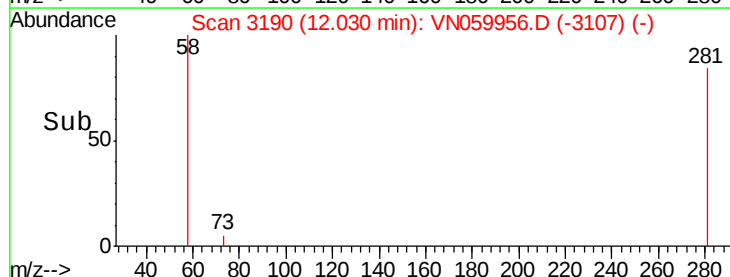


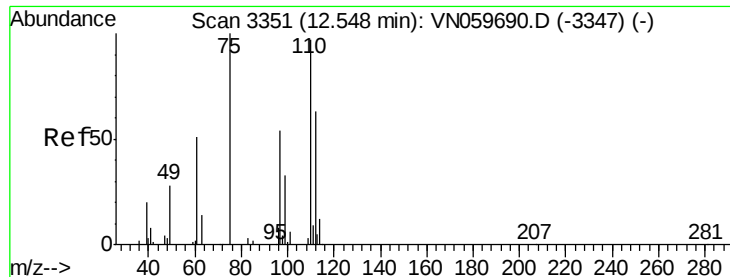
Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 30.508 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059956.D

Acq: 31 Jan 2020 18:21

Instrument :

MSVOA_N

ClientSampleId :

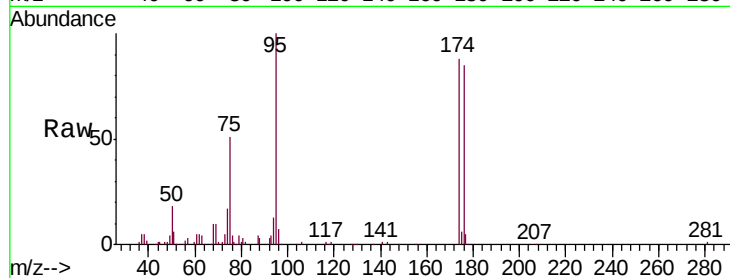
PB126487ZHE#07

Tgt Ion: 75 Resp: 64132

Ion Ratio Lower Upper

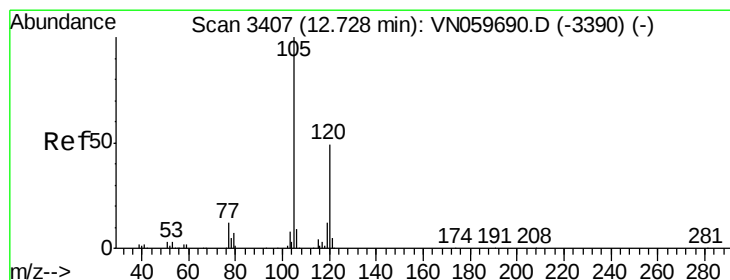
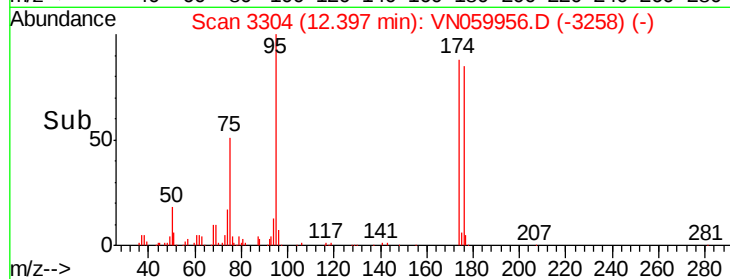
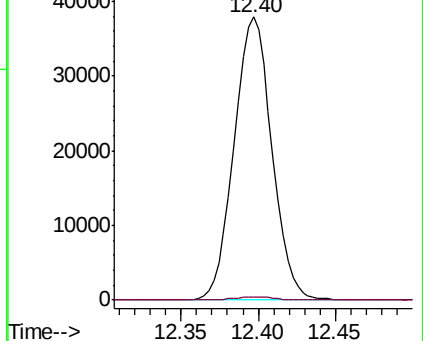
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059956.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059956.D (-3347) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.285 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.01 min

Lab File: VN059956.D

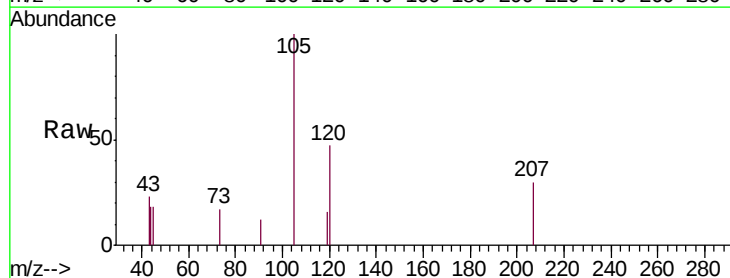
Acq: 31 Jan 2020 18:21

Tgt Ion: 105 Resp: 2192

Ion Ratio Lower Upper

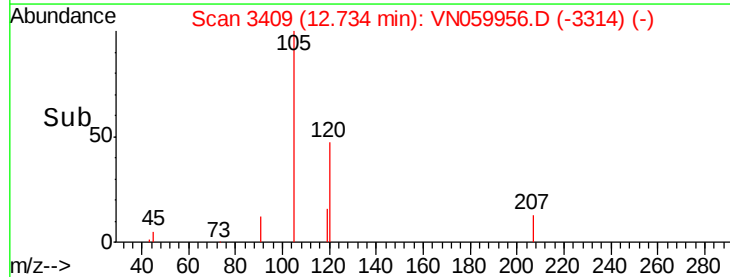
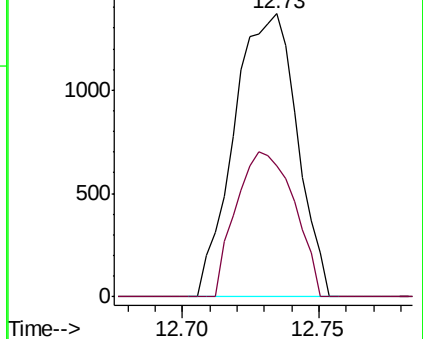
105 100

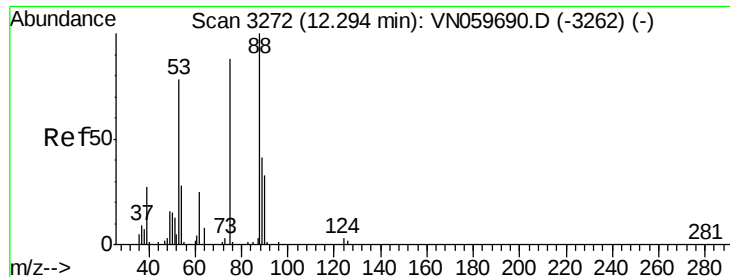
120 47.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059956.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN059956.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 65.516 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059956.D

Acq: 31 Jan 2020 18:21

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#07

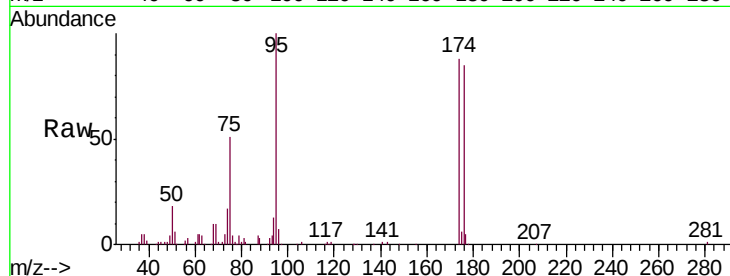
Tgt Ion: 75 Resp: 64132

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

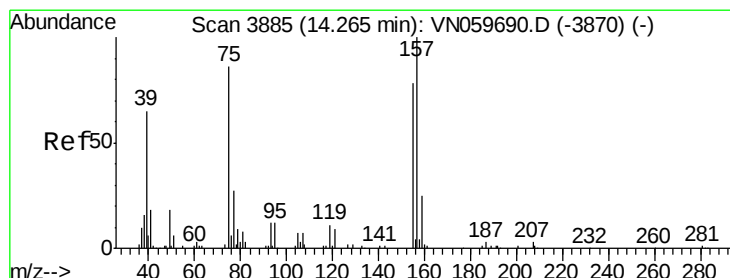
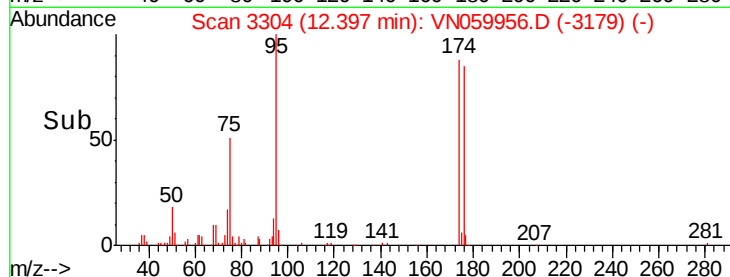
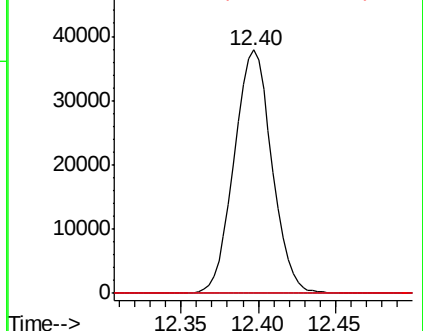
89 0.0 35.4 53.2#



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: 14.31 min Scan# 3899

Delta R.T. 0.05 min

Lab File: VN059956.D

Acq: 31 Jan 2020 18:21

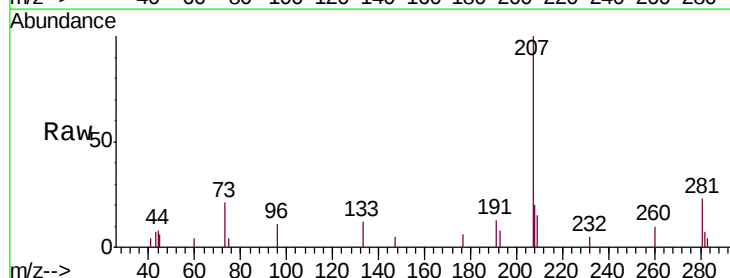
Tgt Ion: 75 Resp: 30

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

