

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN060003.D
 Acq On : 4 Feb 2020 18:35
 Operator : JC/MD
 Sample : PB126559ZHE#16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126559ZHE#16

Quant Time: Feb 05 01:25:51 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	198326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	308376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	287430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	126865	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	113183	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	7.57	113	93204	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.08	98	373109	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.40	95	131985	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	

Target Compounds

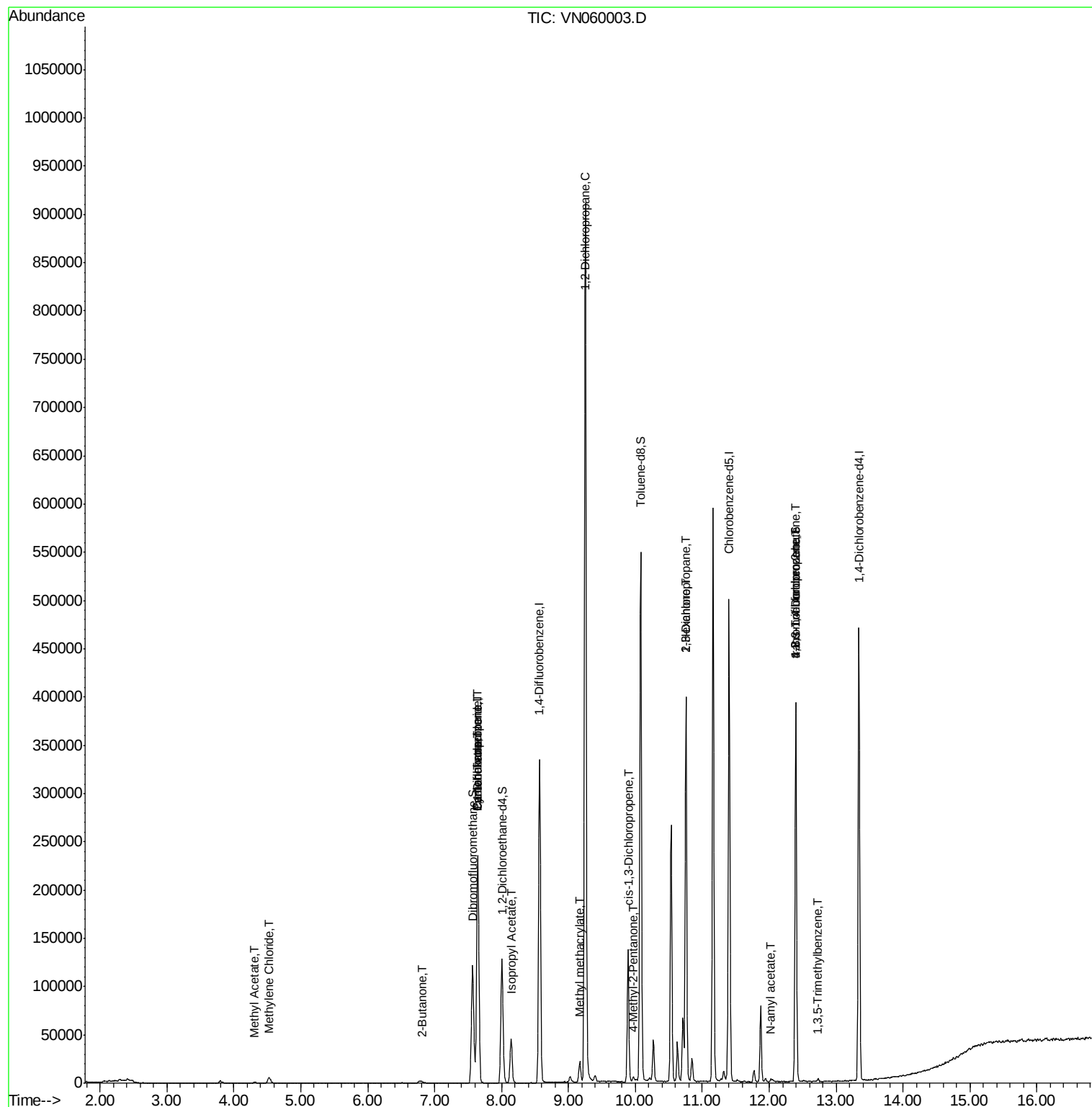
						Qvalue
16) Acetone	3.79	43	4141	Below Cal		94
18) Methyl Acetate	4.30	43	994	0.386	ug/l #	54
20) Methylene Chloride	4.53	84	4598	1.040	ug/l	93
25) 2-Butanone	6.82	43	1438	1.153	ug/l #	50
31) Cyclohexane	7.64	56	4000	1.227	ug/l #	5
36) 1,1-Dichloropropene	7.64	75	14074	5.241	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18683	6.396	ug/l #	16
43) Isopropyl Acetate	8.14	43	54424	12.562	ug/l #	91
45) 1,2-Dichloropropane	9.26	63	1050	0.530	ug/l #	44
48) Methyl methacrylate	9.17	41	3335	1.721	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3539	1.413	ug/l #	87
54) cis-1,3-Dichloropropene	9.89	75	25920	7.831	ug/l #	58
57) 1,3-Dichloropropane	10.76	76	4316	1.357	ug/l #	42
59) 2-Hexanone	10.75	43	58542	31.730	ug/l #	54
74) N-amyl acetate	12.03	43	2856	0.791	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	68253	31.968	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	1801	0.230	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.40	75	68253	68.652	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.32	75	33	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: VN060003.D

Acq: 4 Feb 2020 18:35

Instrument :

MSVOA_N

ClientSampleId :

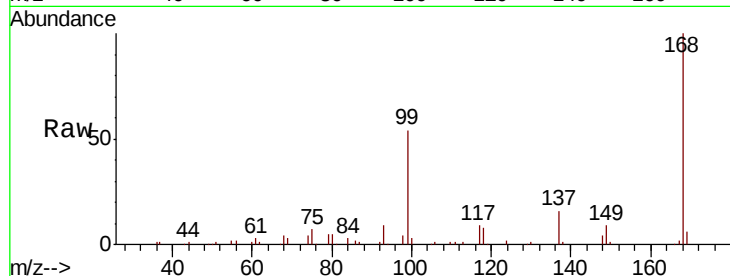
PB126559ZHE#16

Tot Ion:168 Resp: 198326

Ion Ratio Lower Upper

168 100

99 53.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN060003.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN060003.D (-1732) (-)

7.64

80000

60000

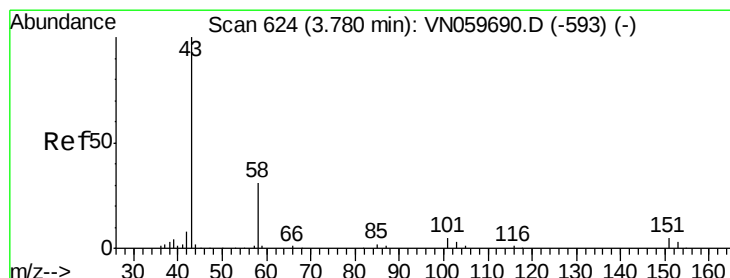
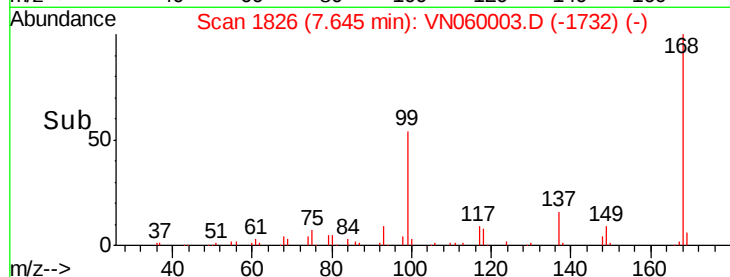
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060003.D

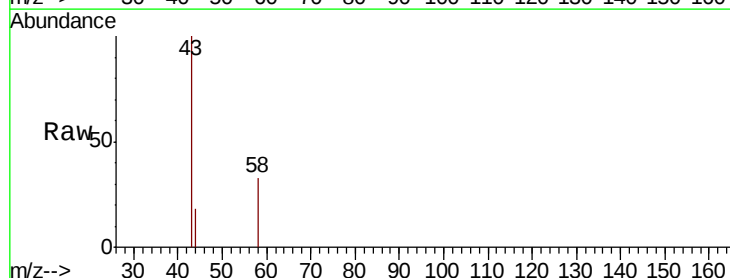
Acq: 4 Feb 2020 18:35

Tgt Ion: 43 Resp: 4141

Ion Ratio Lower Upper

43 100

58 32.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN060003.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN060003.D (-530) (-)

3.79

1500

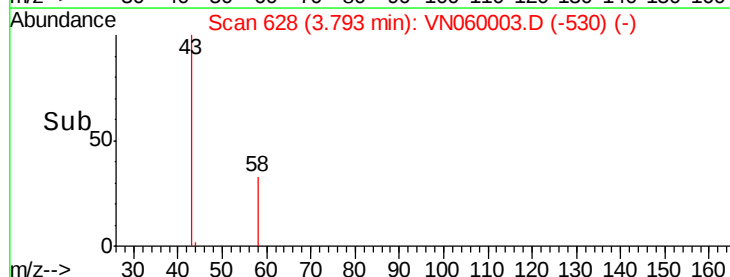
1000

500

0

3.75 3.80 3.85

Time-->

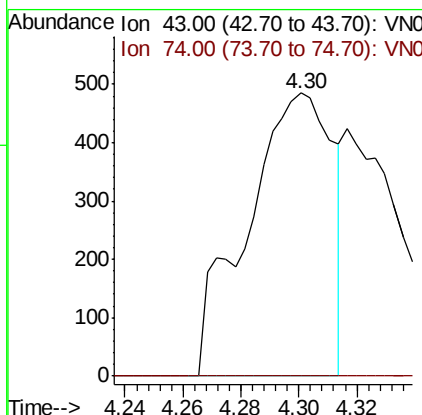
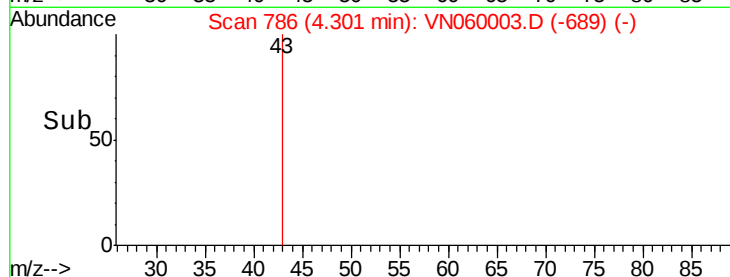
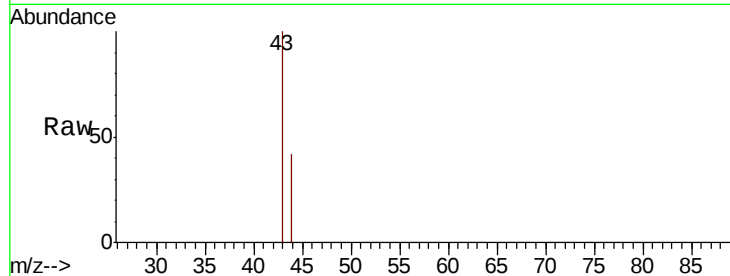




#18
Methyl Acetate
Concen: 0.386 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060003.D
Acq: 4 Feb 2020 18:35

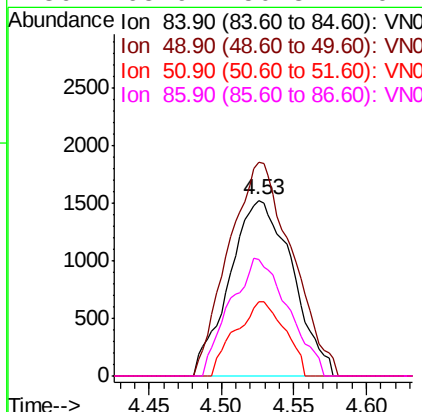
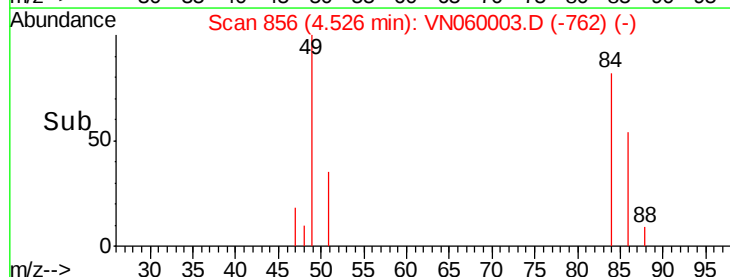
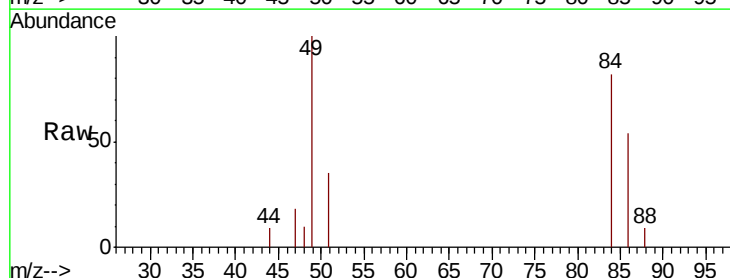
Instrument :
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PB126559ZHE#16

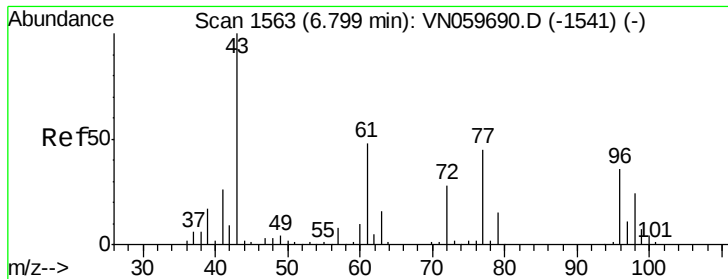
Tot Ion: 43 Resp: 994
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.040 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060003.D
Acq: 4 Feb 2020 18:35

Tgt Ion: 84 Resp: 4598
Ion Ratio Lower Upper
84 100
49 121.4 106.6 160.0
51 41.9 31.9 47.9
86 65.9 50.8 76.2

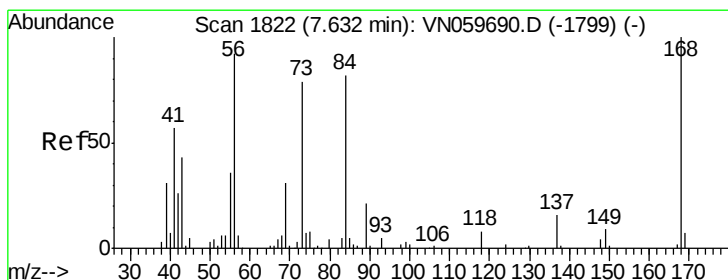
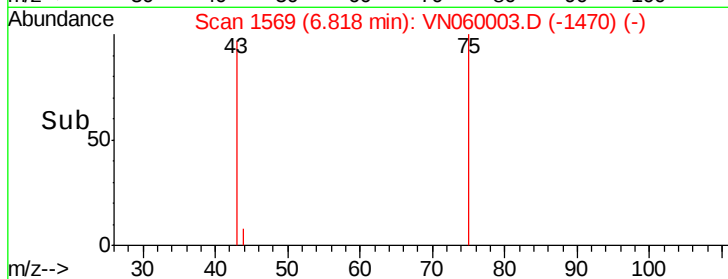
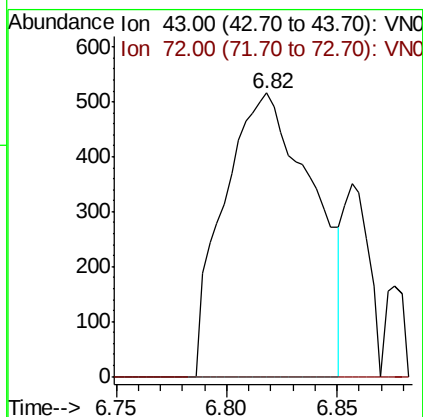
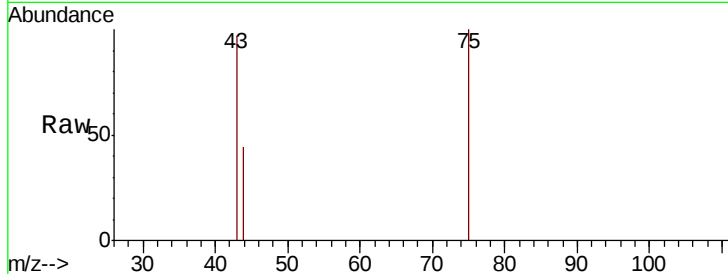




#25
2-Butanone
Concen: 1.153 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN060003.D
Acq: 4 Feb 2020 18:35

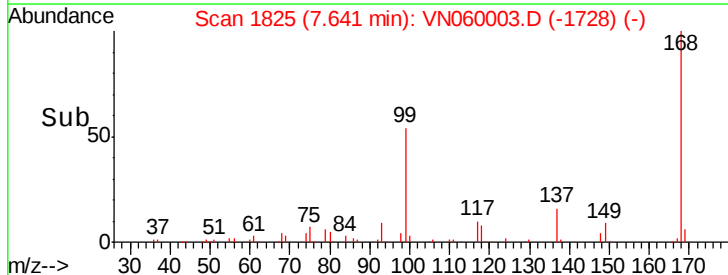
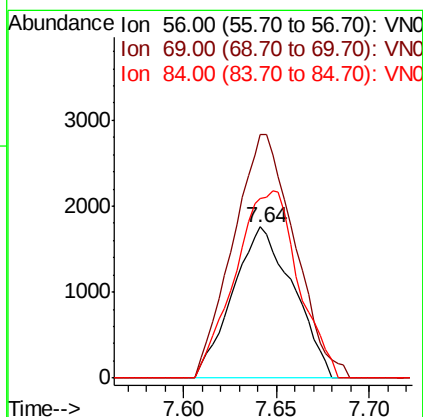
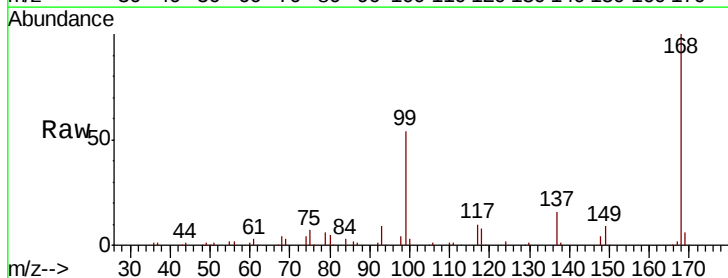
Instrument :
MSVOA_N
ClientSampleId :
PB126559ZHE#16

Tot Ion: 43 Resp: 1438
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.227 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060003.D
Acq: 4 Feb 2020 18:35

Tgt Ion: 56 Resp: 4000
Ion Ratio Lower Upper
56 100
69 161.4 26.5 39.7#
84 119.2 65.3 97.9#

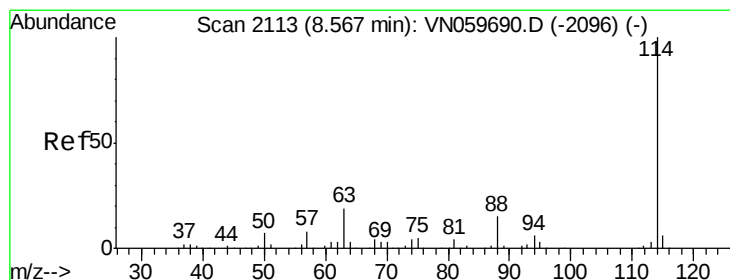
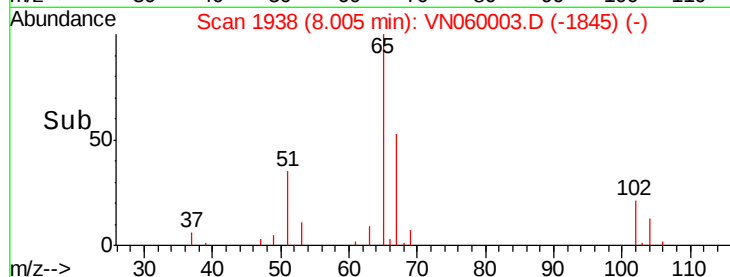
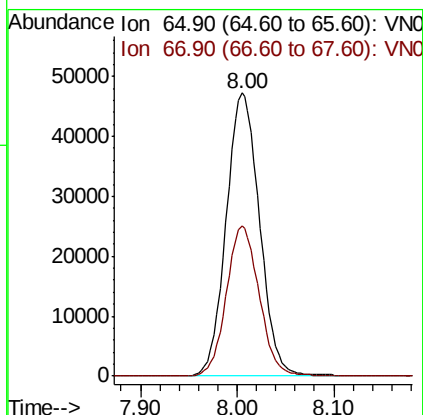
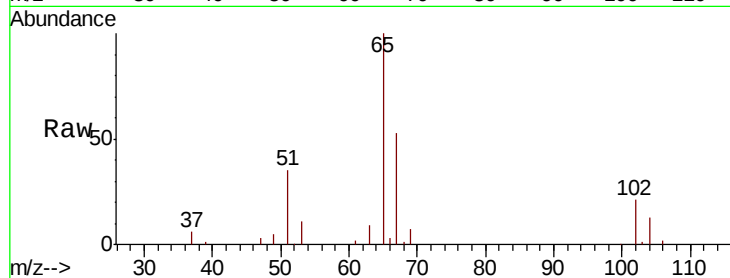




#33
 1,2-Dichloroethane-d4
 Concen: 51.389 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060003.D
 Acq: 4 Feb 2020 18:35

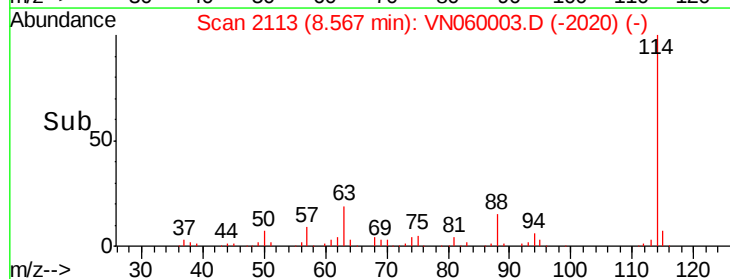
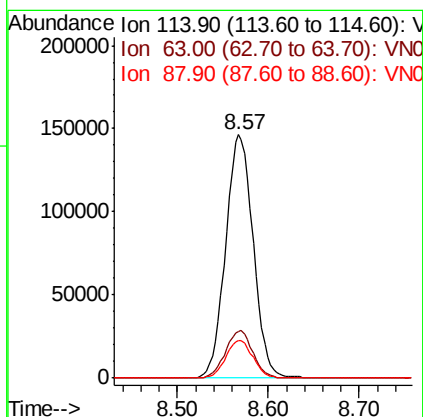
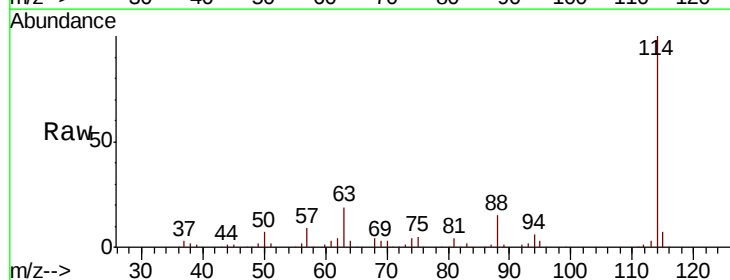
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126559ZHE#16

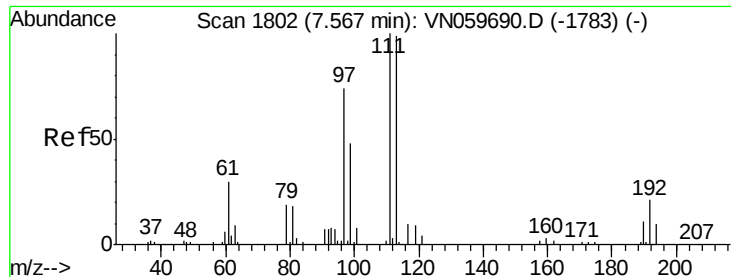
Tot Ion: 65 Resp: 113183
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060003.D
 Acq: 4 Feb 2020 18:35

Tgt Ion: 114 Resp: 308376
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 43.6
 88 15.4 0.0 31.4

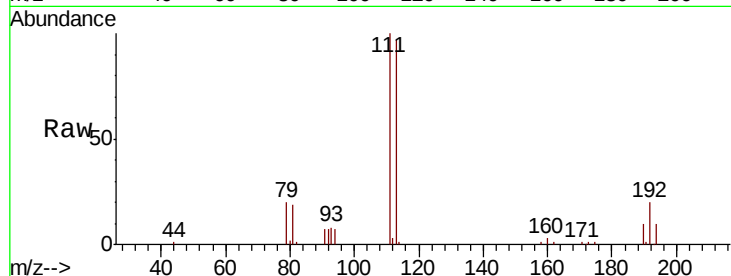




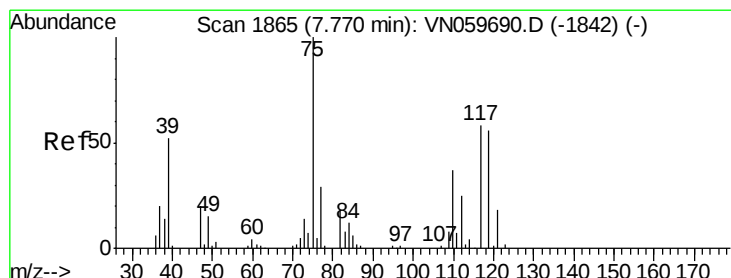
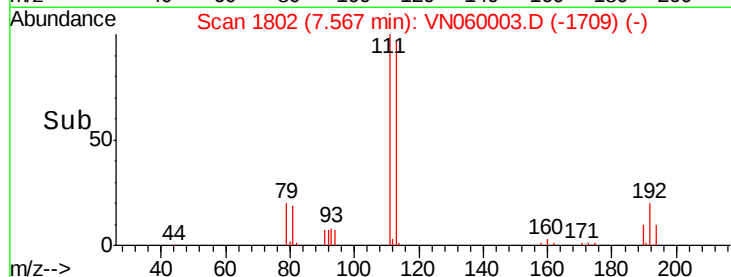
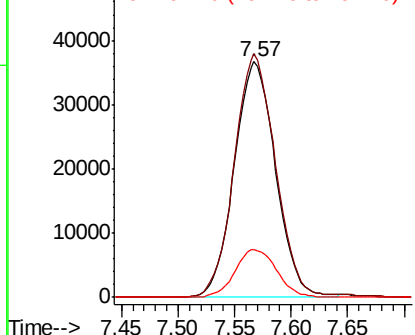
#35
 Dibromofluoromethane
 Concen: 50.682 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060003.D
 Acq: 4 Feb 2020 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126559ZHE#16

Tot Ion:113 Resp: 93204
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.5 125.3
 192 20.4 15.4 23.2

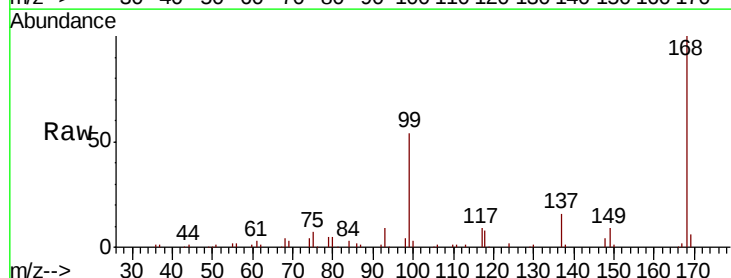


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

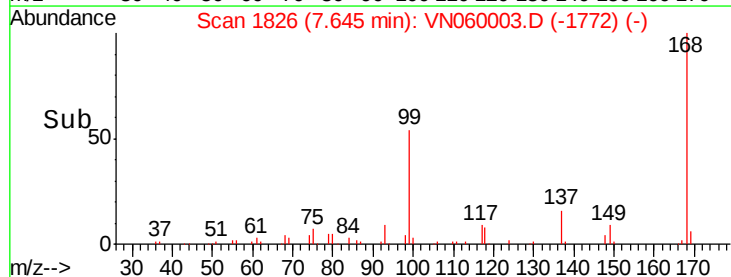
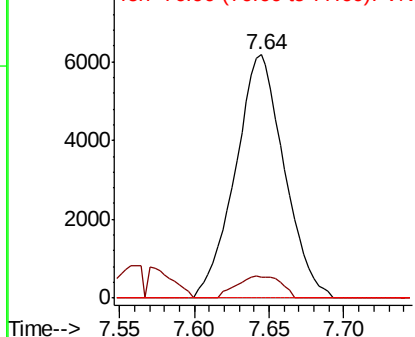


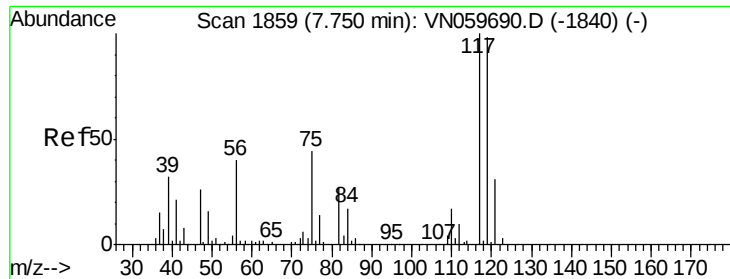
#36
 1,1-Dichloropropene
 Concen: 5.241 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060003.D
 Acq: 4 Feb 2020 18:35

Tgt Ion: 75 Resp: 14074
 Ion Ratio Lower Upper
 75 100
 110 8.1 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

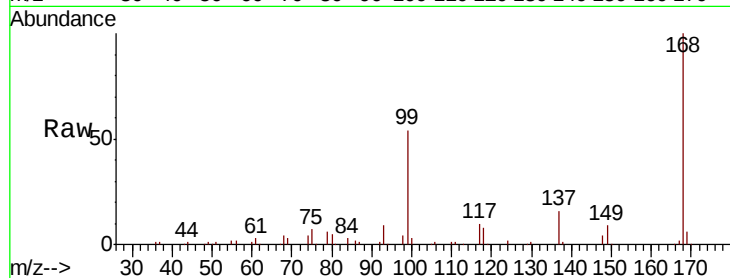




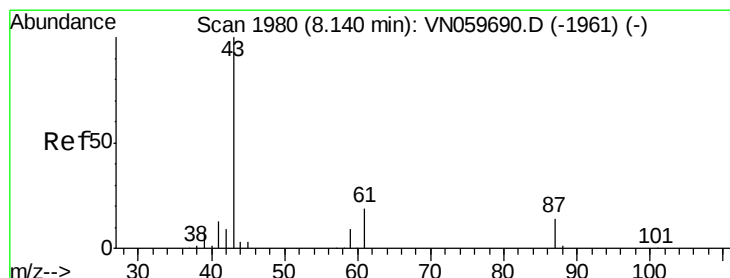
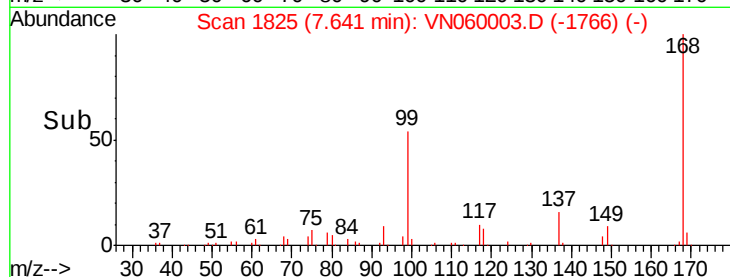
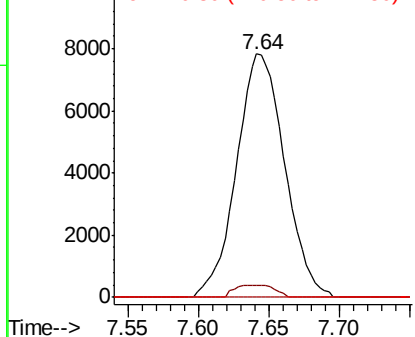
#38
Carbon Tetrachloride
Concen: 6.396 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060003.D
Acq: 4 Feb 2020 18:35

Instrument :
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Tot Ion:117 Resp: 18683
Ion Ratio Lower Upper
117 100
119 5.0 76.5 114.7#
121 0.0 25.1 37.7#

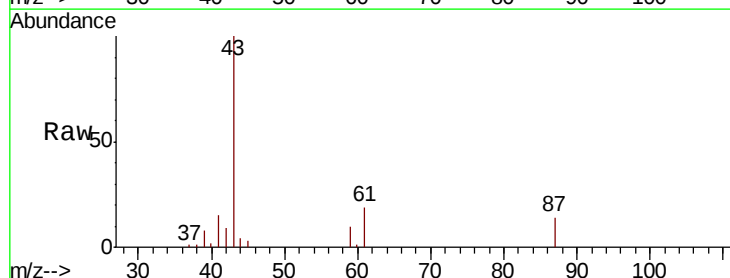


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

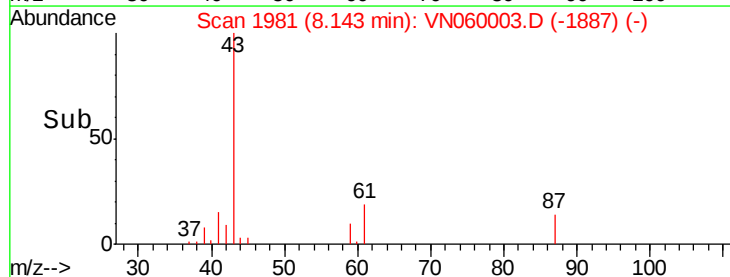
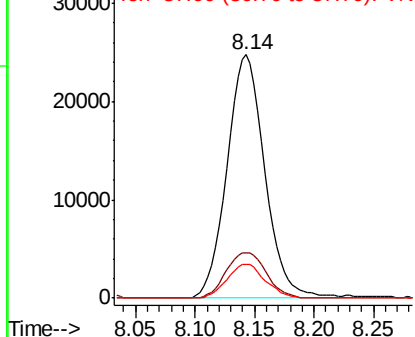


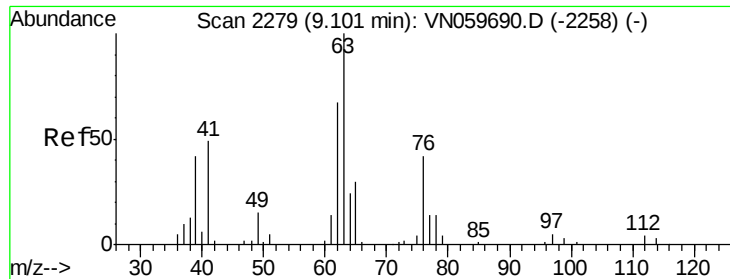
#43
Isopropyl Acetate
Concen: 12.562 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN060003.D
Acq: 4 Feb 2020 18:35

Tgt Ion: 43 Resp: 54424
Ion Ratio Lower Upper
43 100
61 19.8 20.2 30.2#
87 13.9 9.5 14.3



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

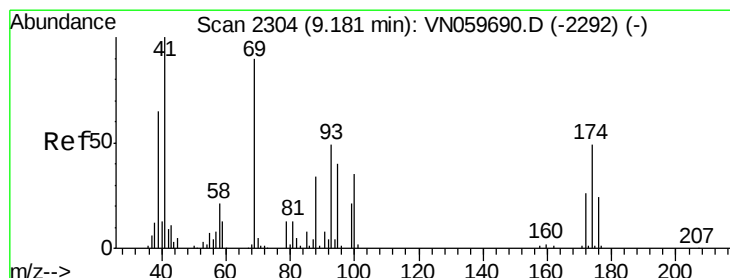
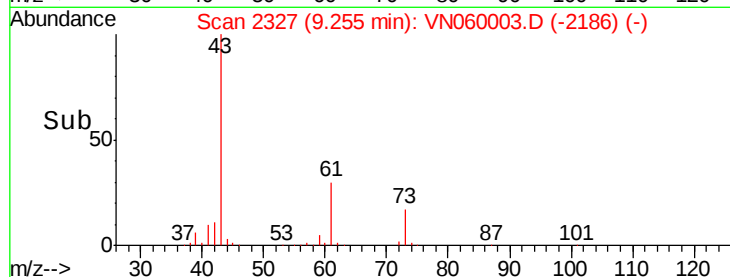
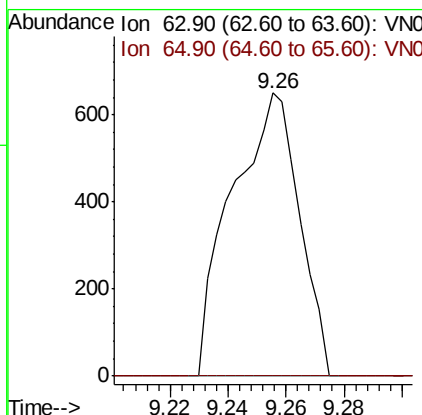
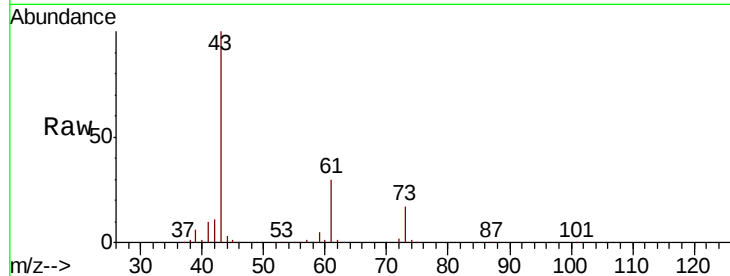




#45
 1,2-Dichloropropane
 Concen: 0.530 ug/l
 RT: 9.26 min Scan# 2327
 Delta R.T. 0.15 min
 Lab File: VN060003.D
 Acq: 4 Feb 2020 18:35

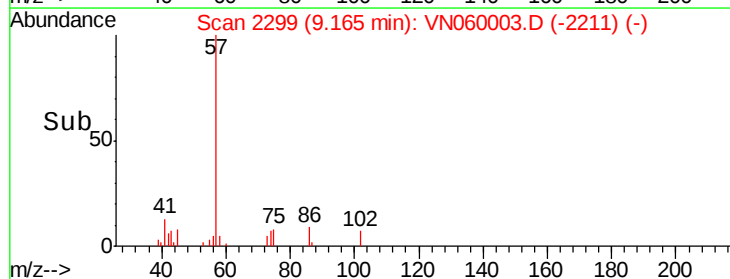
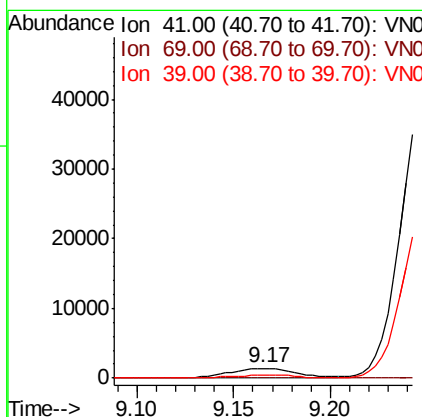
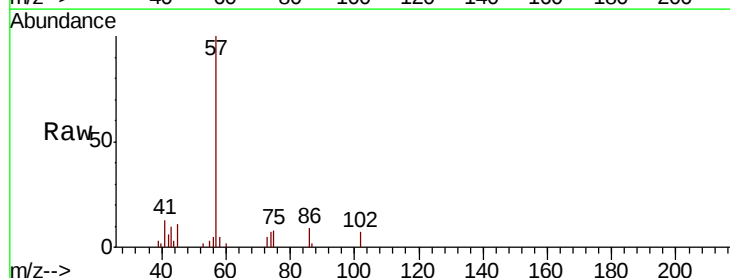
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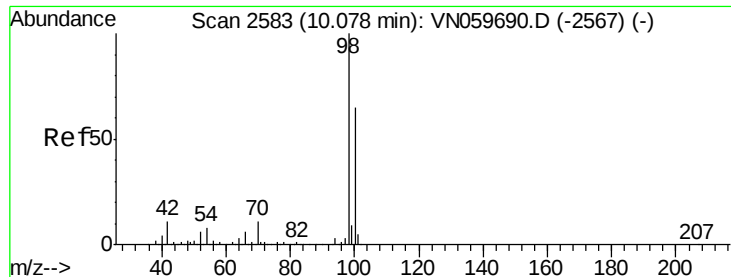
Tot Ion: 63 Resp: 1050
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.721 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: VN060003.D
 Acq: 4 Feb 2020 18:35

Tgt Ion: 41 Resp: 3335
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#





#50

Toluene-d8

Concen: 52.365 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060003.D

Acq: 4 Feb 2020 18:35

Instrument :

MSVOA_N

ClientSampleId :

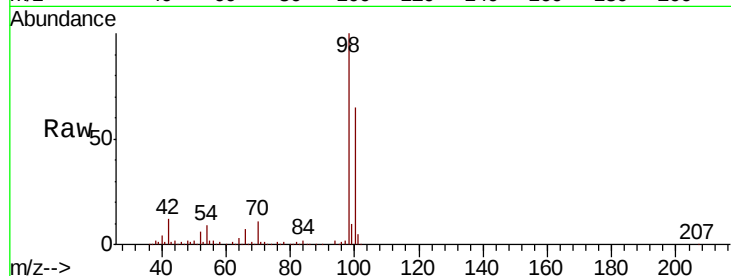
PB126559ZHE#16

Tot Ion: 98 Resp: 373109

Ion Ratio Lower Upper

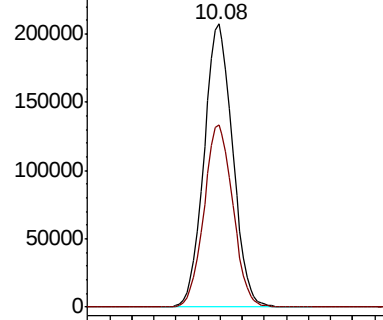
98 100

100 64.8 51.2 76.8

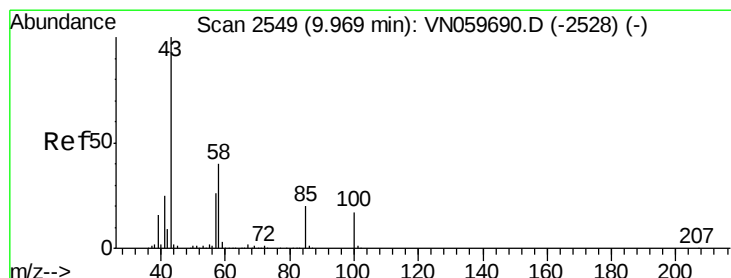
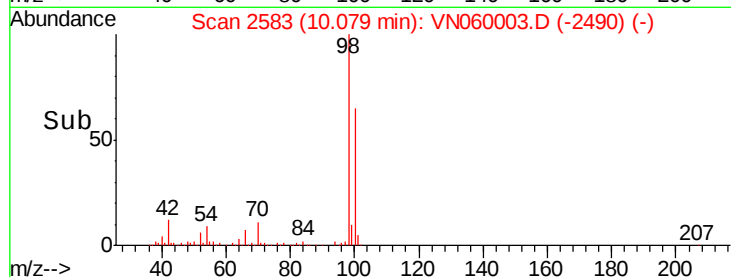


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.413 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060003.D

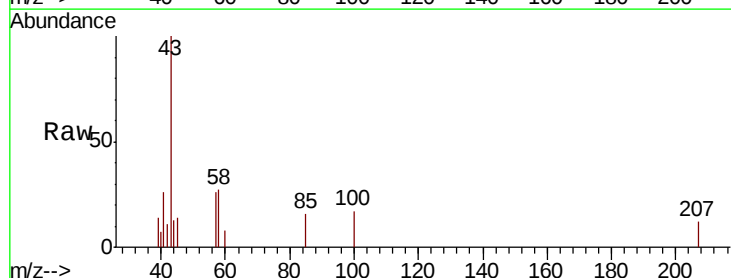
Acq: 4 Feb 2020 18:35

Tgt Ion: 43 Resp: 3539

Ion Ratio Lower Upper

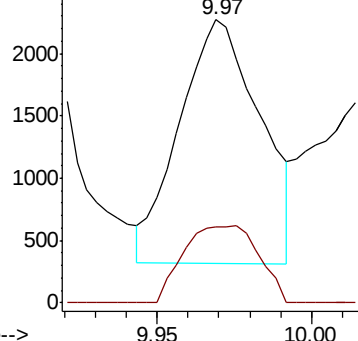
43 100

58 29.6 29.8 44.8#

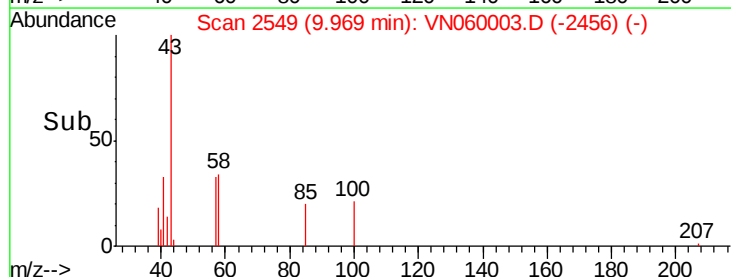


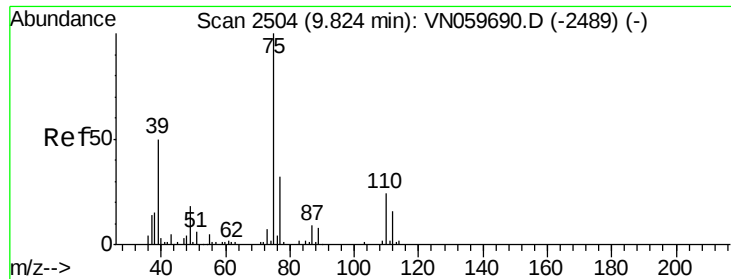
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#54

cis-1,3-Dichloropropene

Concen: 7.831 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060003.D

Acq: 4 Feb 2020 18:35

Instrument :

MSVOA_N

ClientSampleId :

PB126559ZHE#16

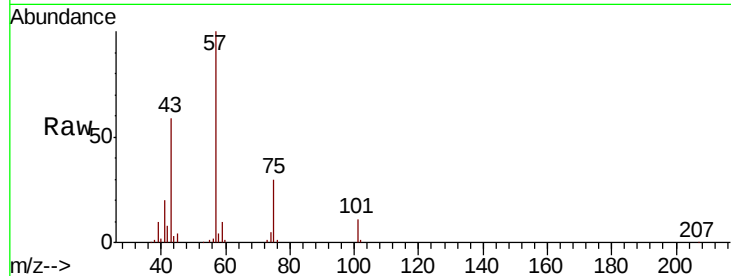
Tot Ion: 75 Resp: 25920

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

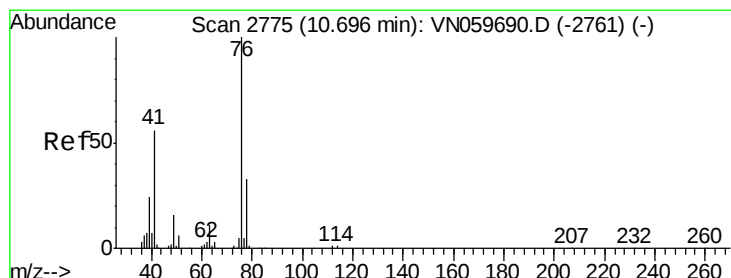
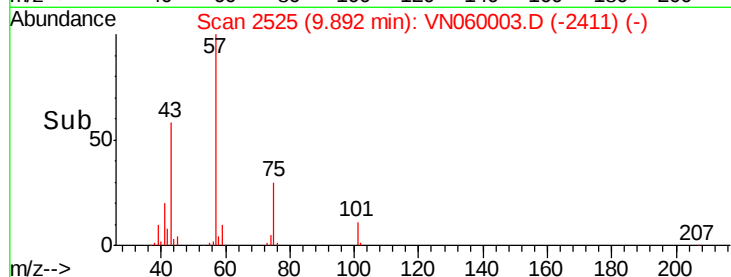
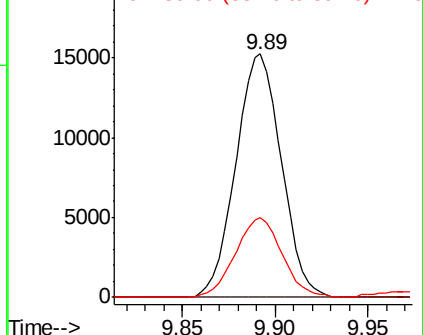
39 32.6 46.1 69.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.357 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN060003.D

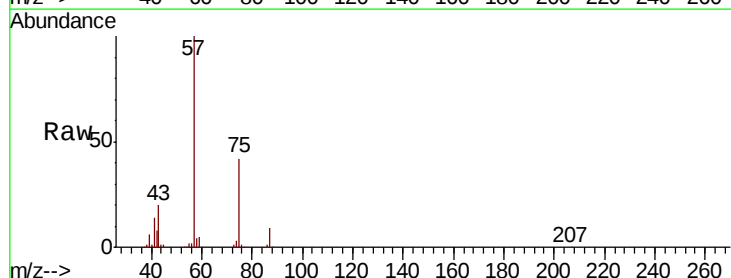
Acq: 4 Feb 2020 18:35

Tgt Ion: 76 Resp: 4316

Ion Ratio Lower Upper

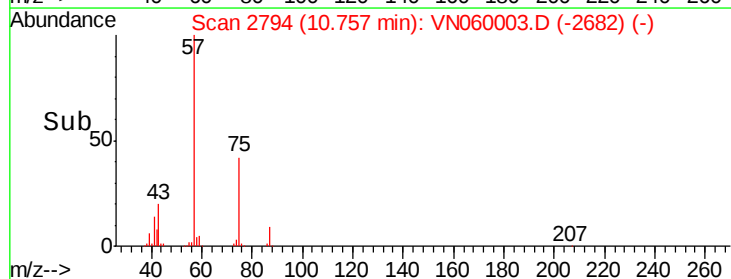
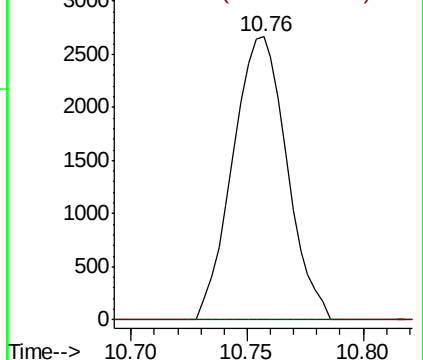
76 100

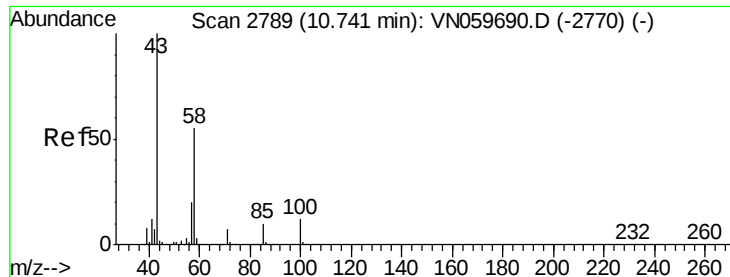
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 31.730 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060003.D

Acq: 4 Feb 2020 18:35

Instrument :

MSVOA_N

ClientSampleId :

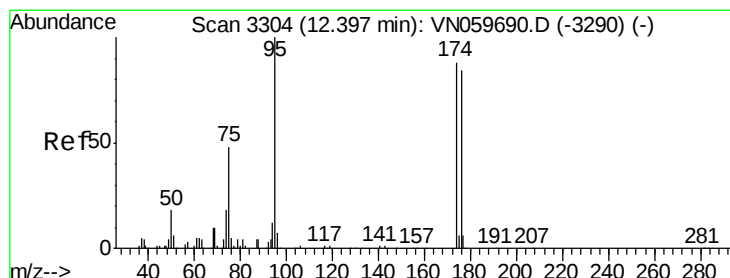
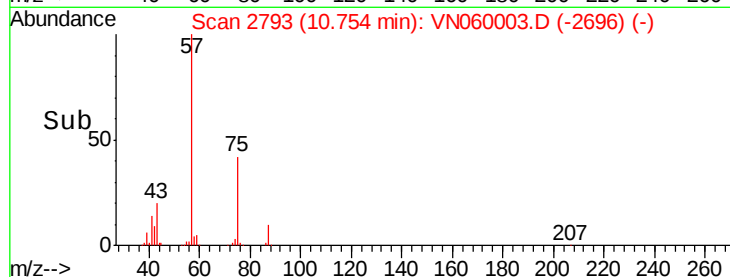
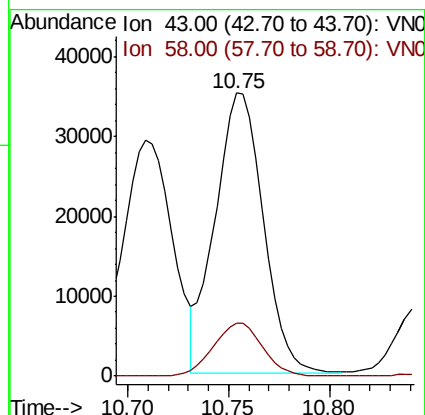
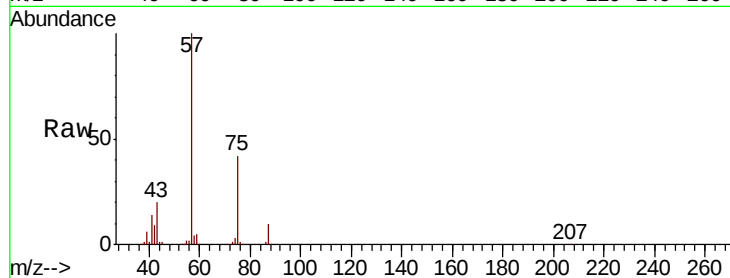
PB126559ZHE#16

Tot Ion: 43 Resp: 58542

Ion Ratio Lower Upper

43 100

58 19.2 25.8 77.3#



#62

4-Bromofluorobenzene

Concen: 51.384 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060003.D

Acq: 4 Feb 2020 18:35

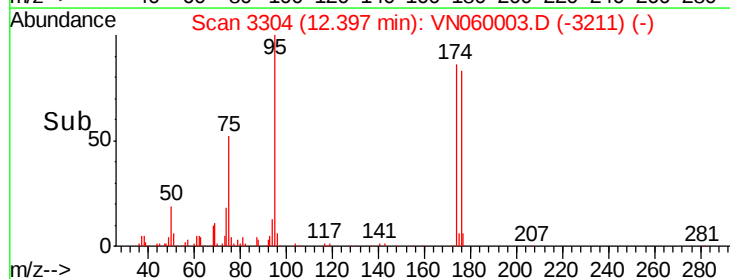
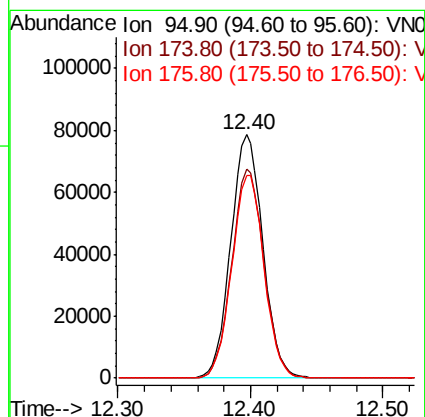
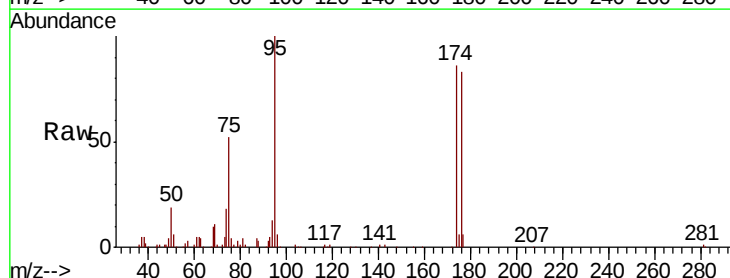
Tgt Ion: 95 Resp: 131985

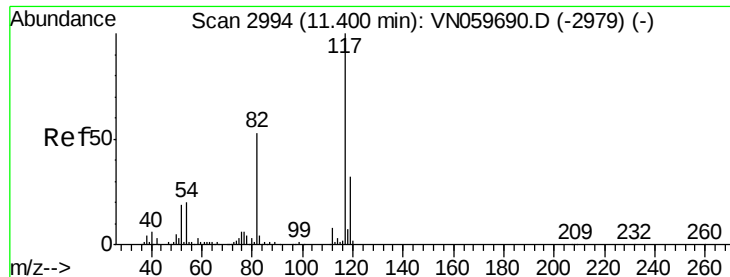
Ion Ratio Lower Upper

95 100

174 86.3 0.0 151.4

176 83.8 0.0 146.0

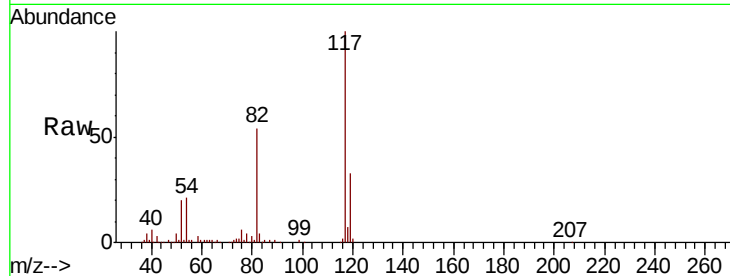




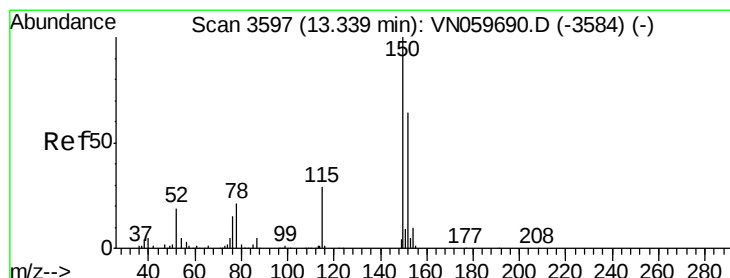
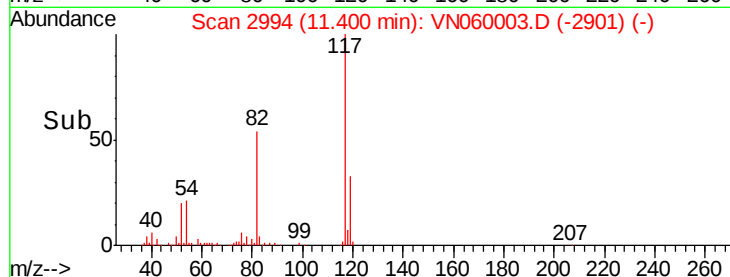
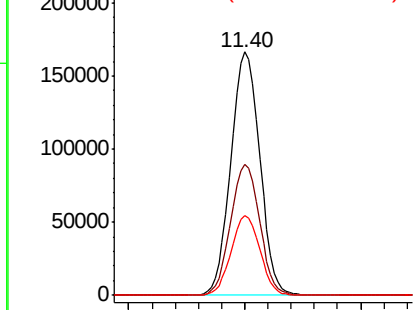
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060003.D
Acq: 4 Feb 2020 18:35

Instrument :
MSVOA_N
ClientSampleId :
PB126559ZHE#16

Tot Ion:117 Resp: 287430
Ion Ratio Lower Upper
117 100
82 54.0 45.9 68.9
119 32.7 25.5 38.3

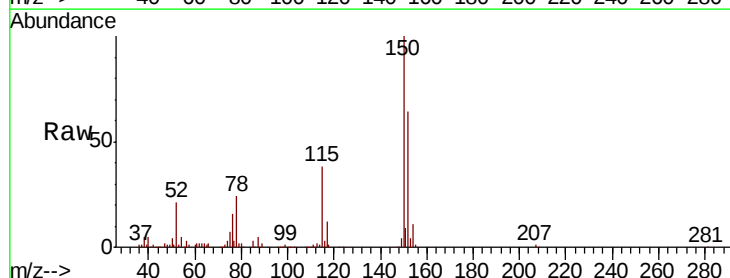


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

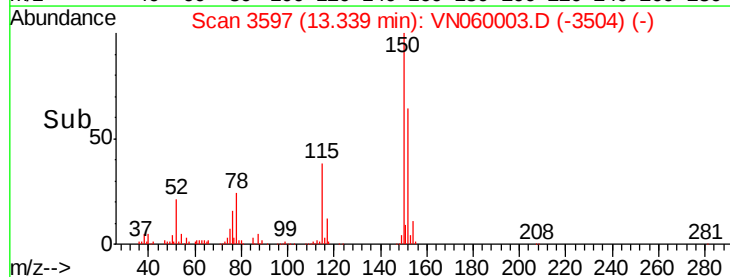
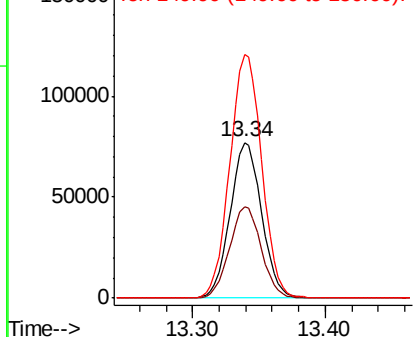


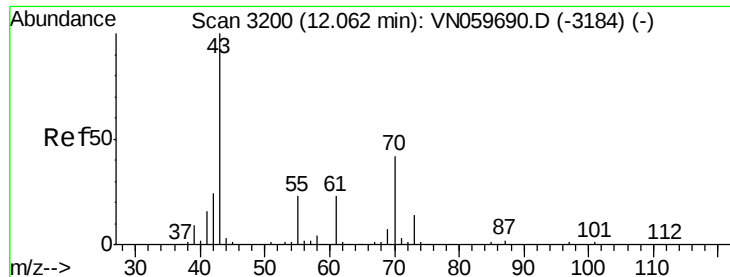
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060003.D
Acq: 4 Feb 2020 18:35

Tgt Ion:152 Resp: 126865
Ion Ratio Lower Upper
152 100
115 59.2 30.3 90.9
150 158.9 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.791 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN060003.D

Acq: 4 Feb 2020 18:35

Instrument :

MSVOA_N

ClientSampleId :

PB126559ZHE#16

Tot Ion: 43 Resp: 2856

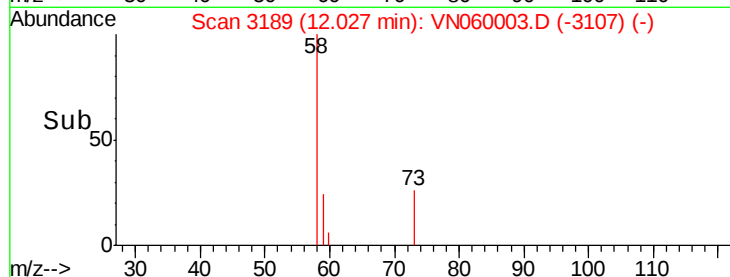
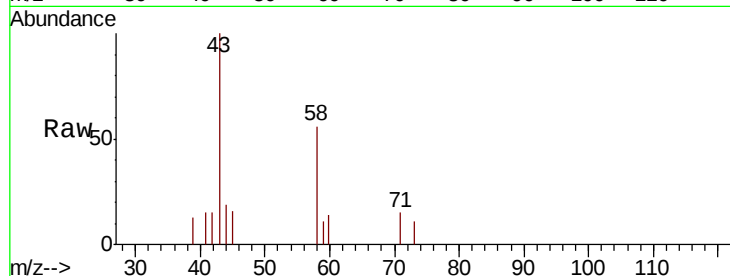
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

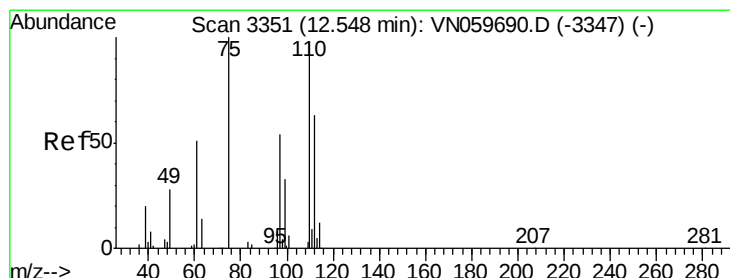
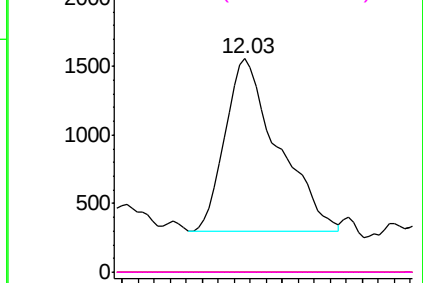


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 31.968 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060003.D

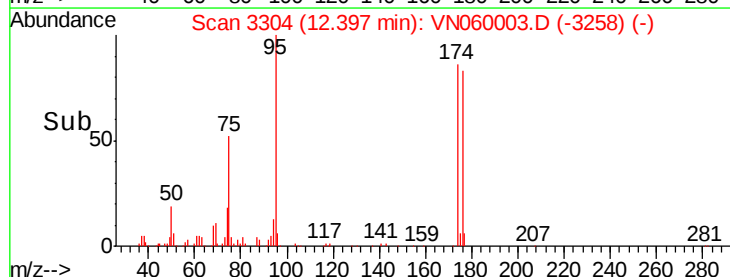
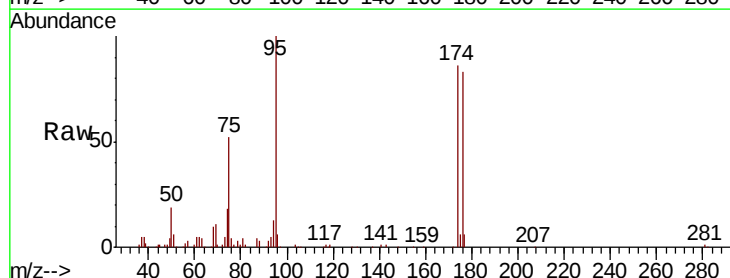
Acq: 4 Feb 2020 18:35

Tgt Ion: 75 Resp: 68253

Ion Ratio Lower Upper

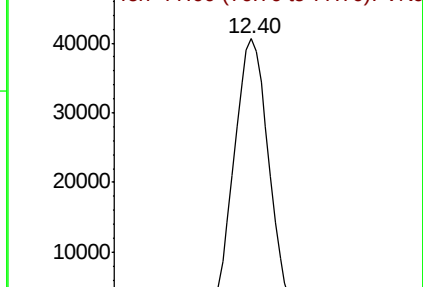
75 100

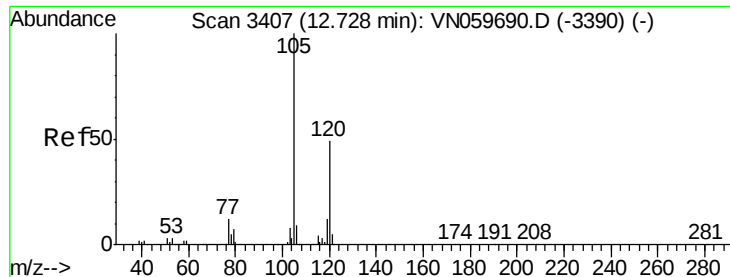
77 1.1 0.0 0.0#



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: 0.230 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060003.D

Acq: 4 Feb 2020 18:35

Instrument :

MSVOA_N

ClientSampleId :

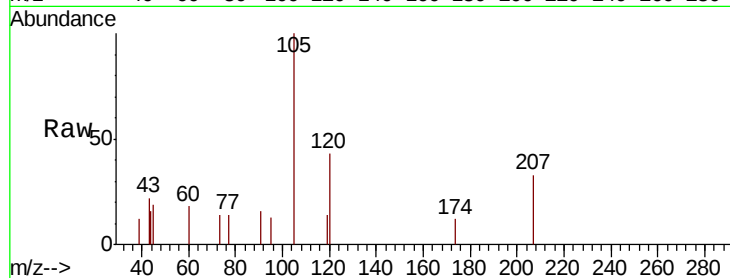
PB126559ZHE#16

Tot Ion:105 Resp: 1801

Ion Ratio Lower Upper

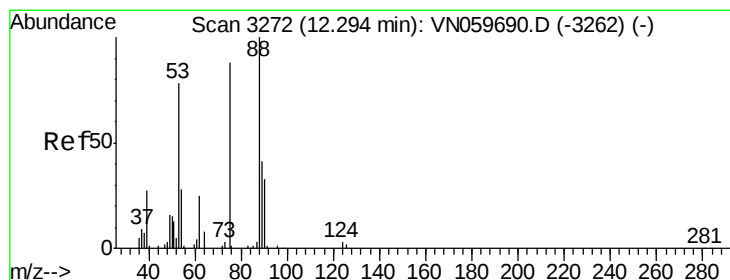
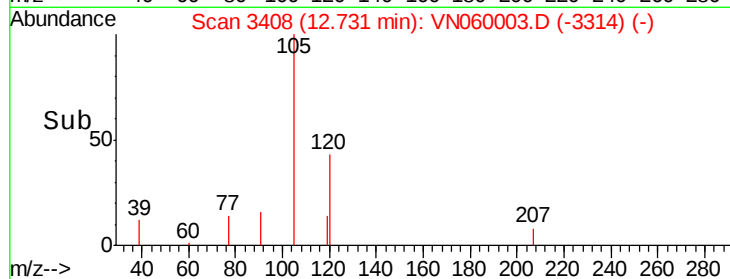
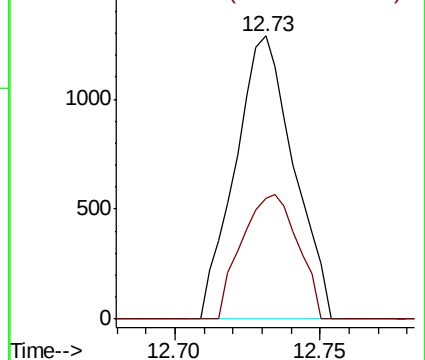
105 100

120 42.3 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: 68.652 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060003.D

Acq: 4 Feb 2020 18:35

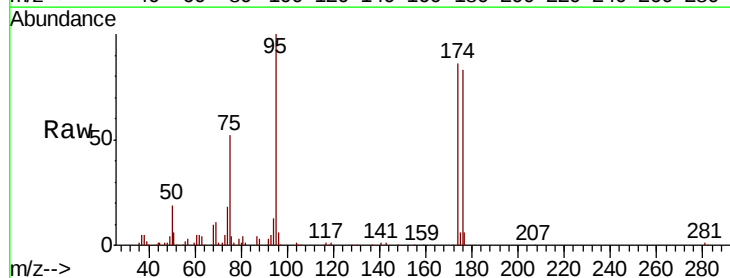
Tgt Ion: 75 Resp: 68253

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

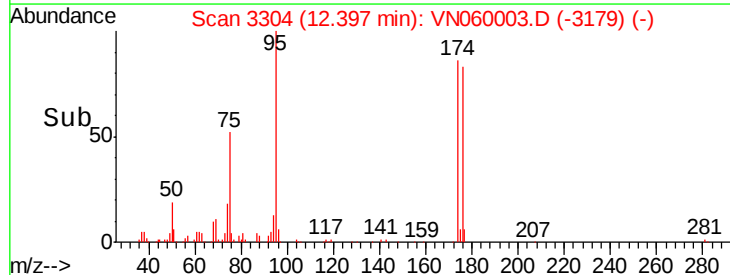
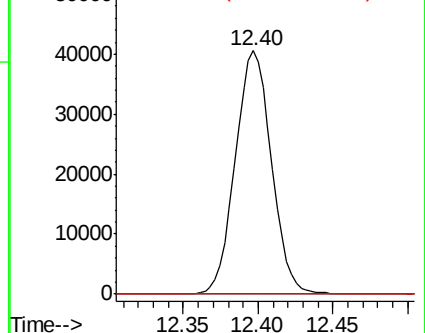
89 0.0 35.4 53.2#

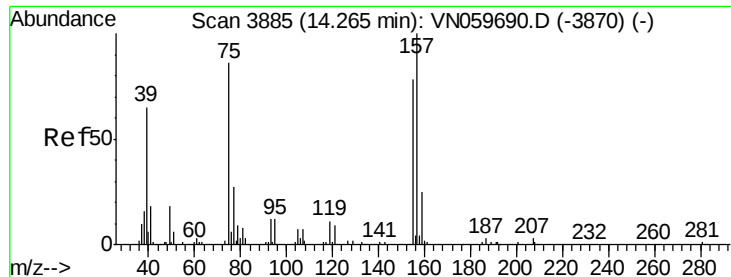


Abundance Ion 74.90 (74.60 to 75.60): VN0

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: 14.32 min Scan# 3903

Delta R.T. 0.06 min

Lab File: VN060003.D

Acq: 4 Feb 2020 18:35

Instrument :

MSVOA_N

ClientSampleId :

PB126559ZHE#16

Tot Ion: 75 Resp: 33

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

