

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN060002.D
 Acq On : 4 Feb 2020 18:12
 Operator : JC/MD
 Sample : PB126559ZHE#15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126559ZHE#15

Quant Time: Feb 05 01:25:36 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	198891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	309351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137374	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	113198	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
35) Dibromofluoromethane	7.57	113	96328	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
50) Toluene-d8	10.08	98	373920	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.40	95	136513	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	

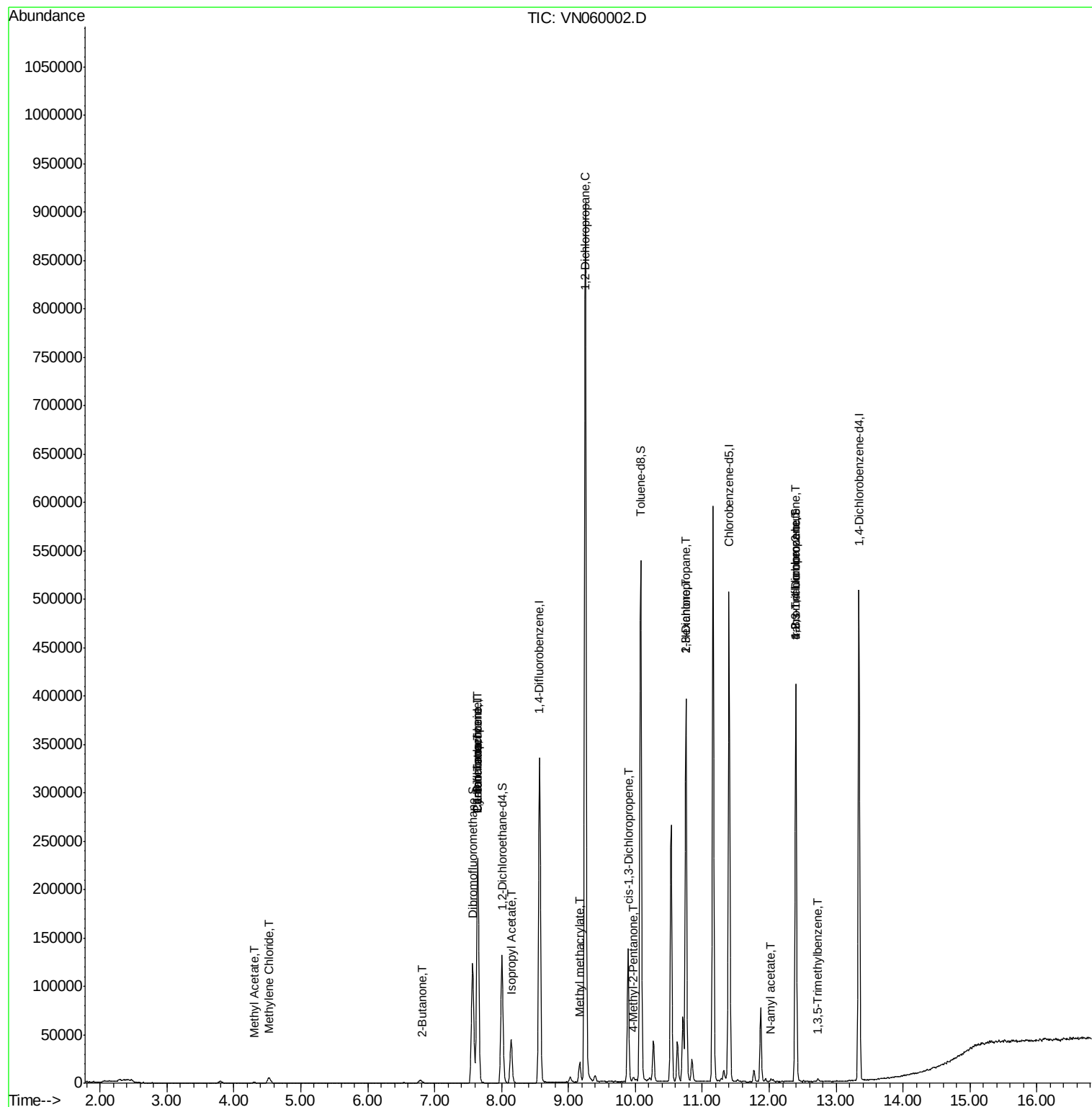
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3817	Below Cal		98
18) Methyl Acetate	4.30	43	1458	0.565	ug/l #	54
20) Methylene Chloride	4.53	84	4577	1.023	ug/l	89
25) 2-Butanone	6.82	43	1652	1.321	ug/l #	87
31) Cyclohexane	7.64	56	3907	1.196	ug/l #	2
36) 1,1-Dichloropropene	7.64	75	14107	5.237	ug/l #	51
38) Carbon Tetrachloride	7.64	117	18401	6.279	ug/l #	16
43) Isopropyl Acetate	8.14	43	53654	12.346	ug/l #	92
45) 1,2-Dichloropropane	9.26	63	1108	0.557	ug/l #	44
48) Methyl methacrylate	9.16	41	3088	1.589	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3081	1.226	ug/l	100
54) cis-1,3-Dichloropropene	9.89	75	25637	7.721	ug/l #	57
57) 1,3-Dichloropropane	10.76	76	4190	1.313	ug/l #	42
59) 2-Hexanone	10.75	43	56937	30.763	ug/l #	55
74) N-amyl acetate	12.03	43	2946	0.754	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	69819	30.200	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	1930	0.228	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	69819	64.855	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.17	75	97	Below Cal	#	6

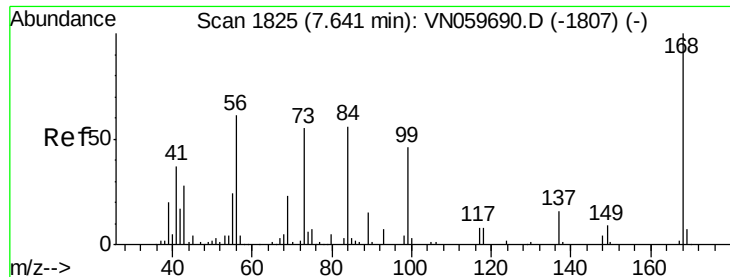
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060002.D

Acq: 4 Feb 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

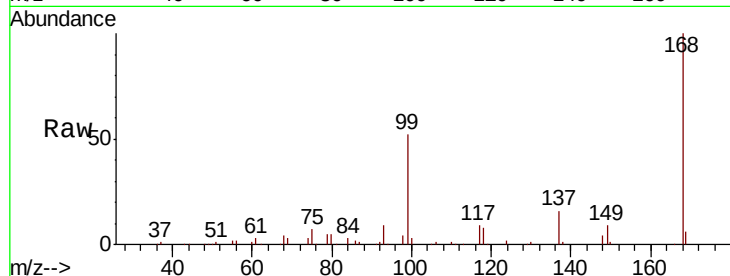
PB126559ZHE#15

Tot Ion:168 Resp: 198891

Ion Ratio Lower Upper

168 100

99 51.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN060002.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN060002.D (-1732) (-)

7.64

80000

60000

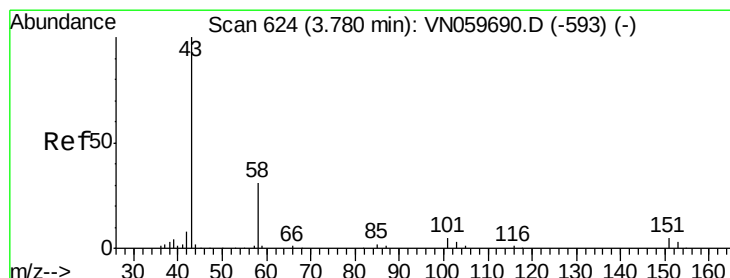
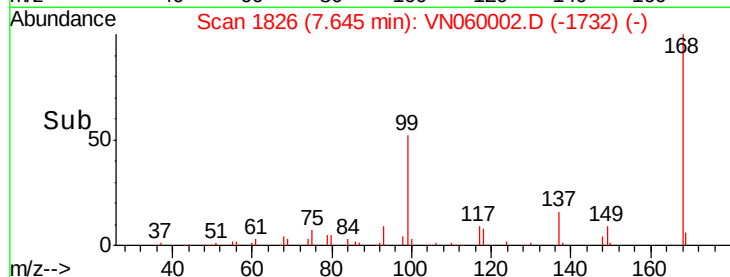
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060002.D

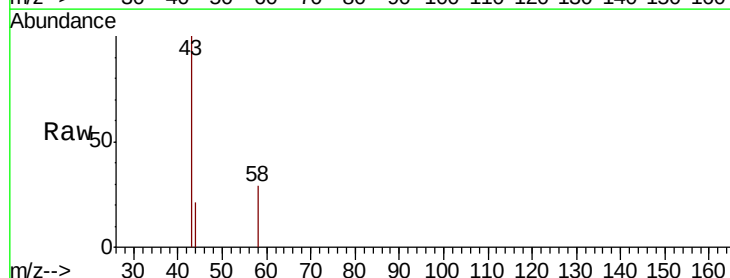
Acq: 4 Feb 2020 18:12

Tgt Ion: 43 Resp: 3817

Ion Ratio Lower Upper

43 100

58 28.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN060002.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN060002.D (-530) (-)

3.79

1500

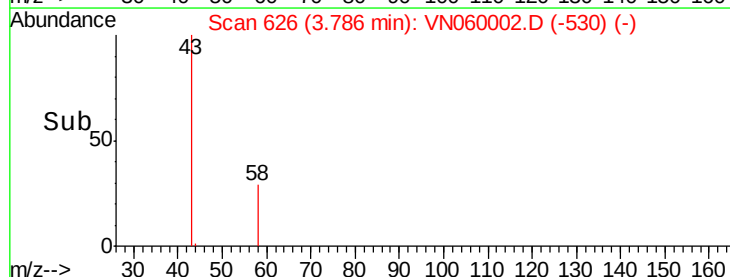
1000

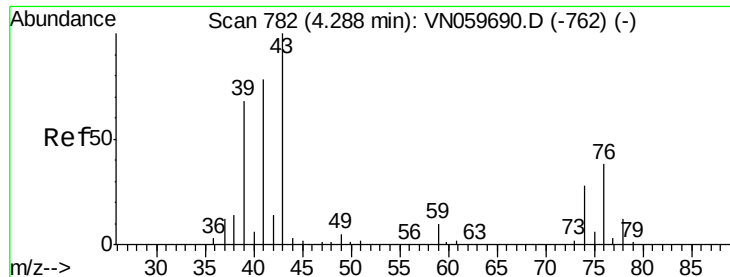
500

0

3.75 3.80 3.85

Time-->

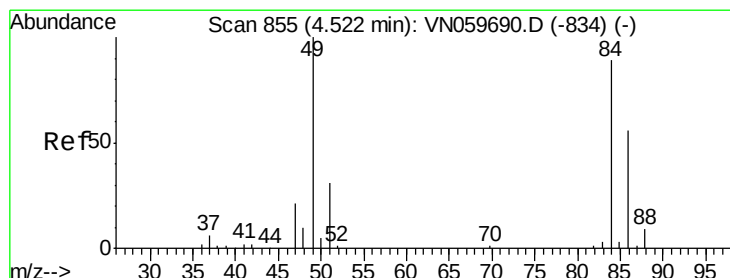
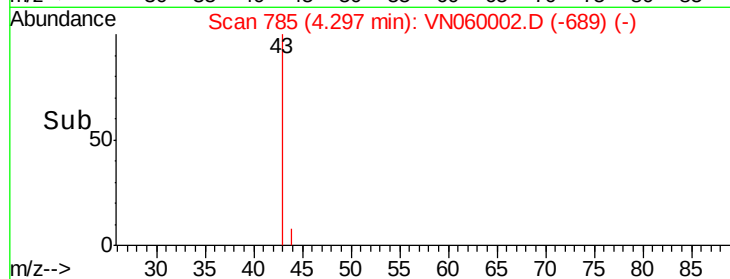
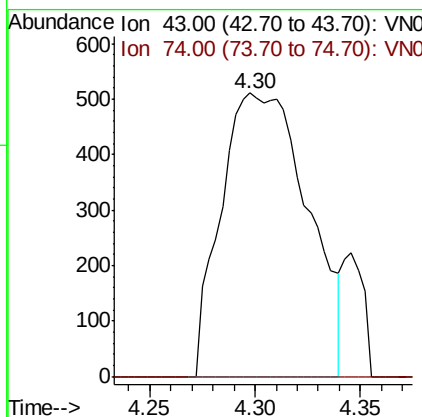
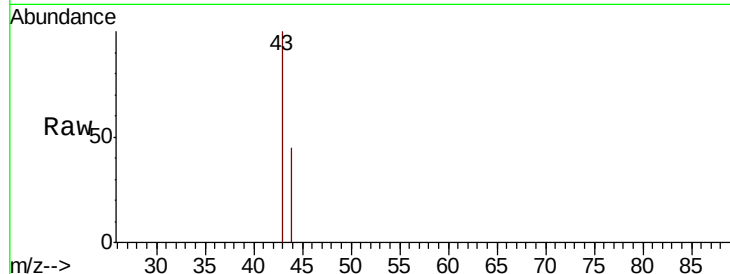




#18
Methvl Acetate
Concen: 0.565 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060002.D
Acq: 4 Feb 2020 18:12

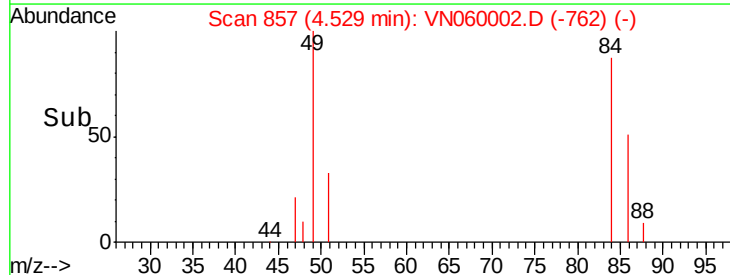
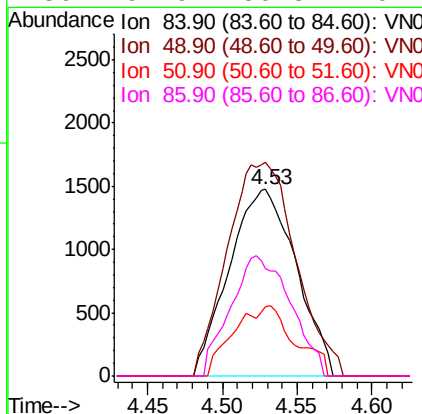
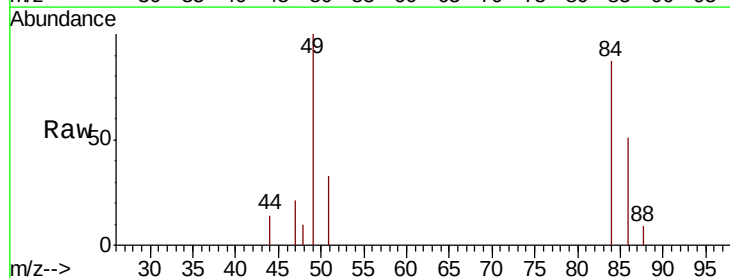
Instrument :
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PB126559ZHE#15

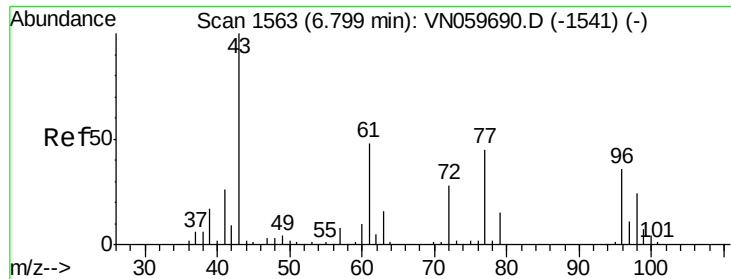
Tot Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.023 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060002.D
Acq: 4 Feb 2020 18:12

Tgt Ion: 84 Resp: 4577
Ion Ratio Lower Upper
84 100
49 114.7 106.6 160.0
51 37.4 31.9 47.9
86 57.9 50.8 76.2

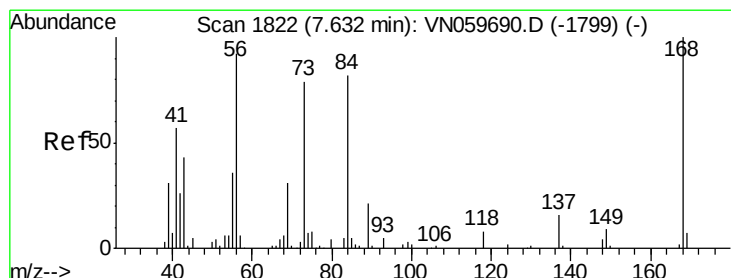
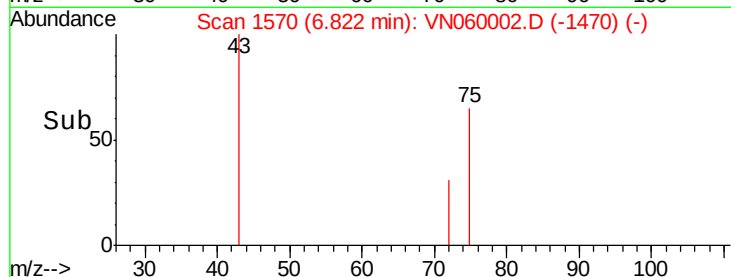
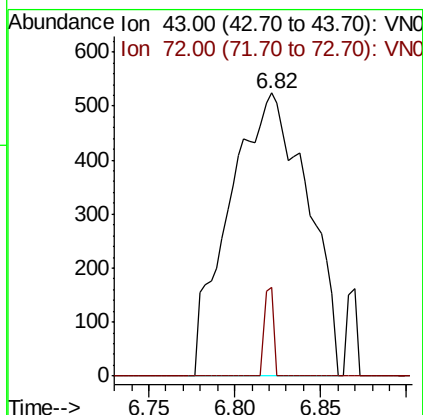
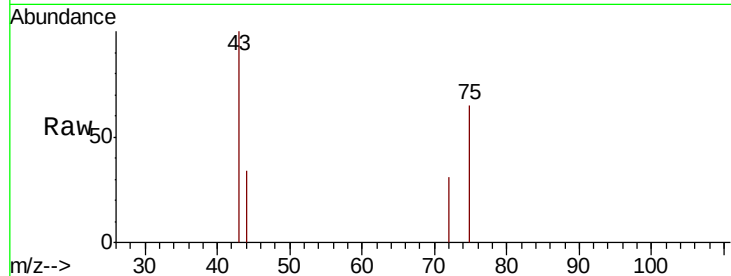




#25
2-Butanone
Concen: 1.321 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VN060002.D
Acq: 4 Feb 2020 18:12

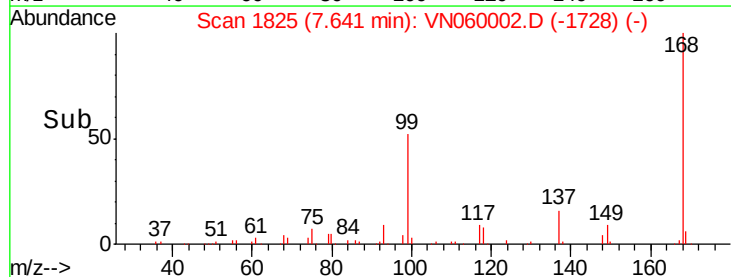
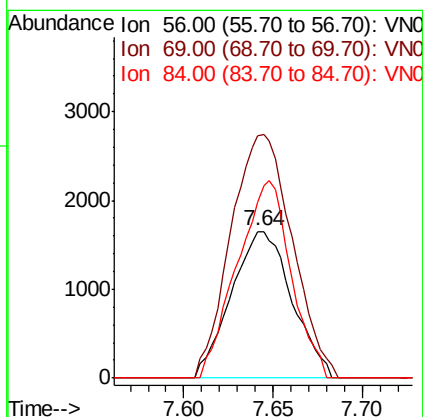
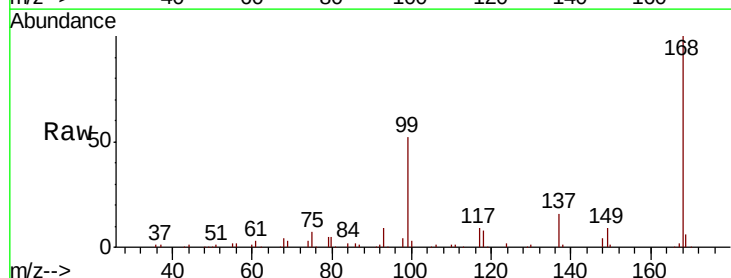
Instrument :
MSVOA_N
ClientSampleId :
PB126559ZHE#15

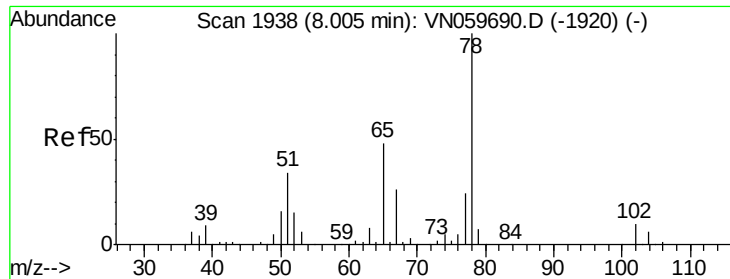
Tot Ion: 43 Resp: 1652
Ion Ratio Lower Upper
43 100
72 31.5 19.9 29.9#



#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060002.D
Acq: 4 Feb 2020 18:12

Tgt Ion: 56 Resp: 3907
Ion Ratio Lower Upper
56 100
69 165.3 26.5 39.7#
84 120.1 65.3 97.9#

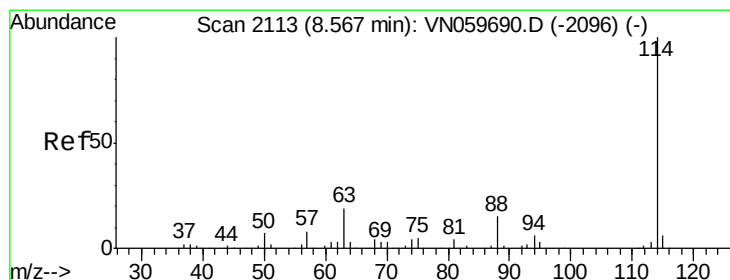
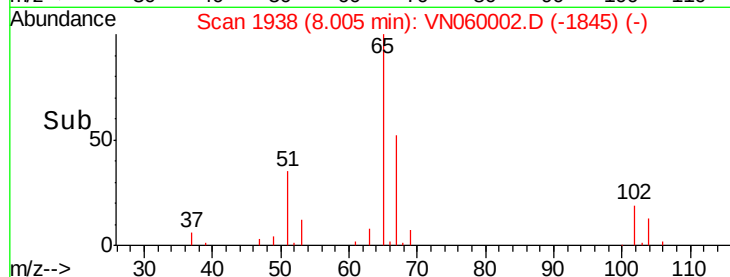
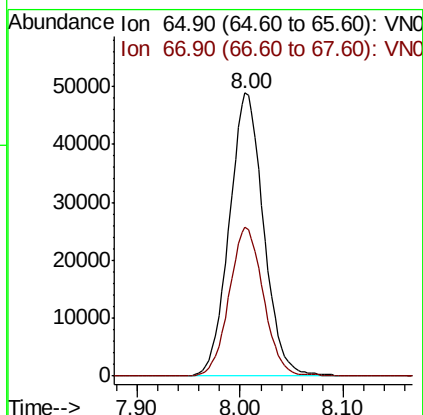
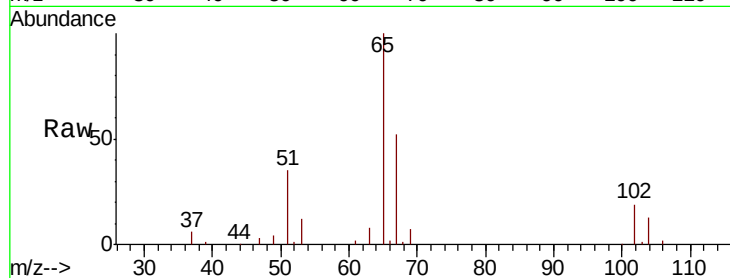




#33
 1,2-Dichloroethane-d4
 Concen: 51.250 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060002.D
 Acq: 4 Feb 2020 18:12

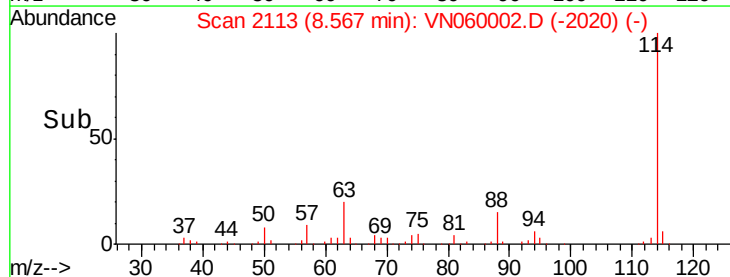
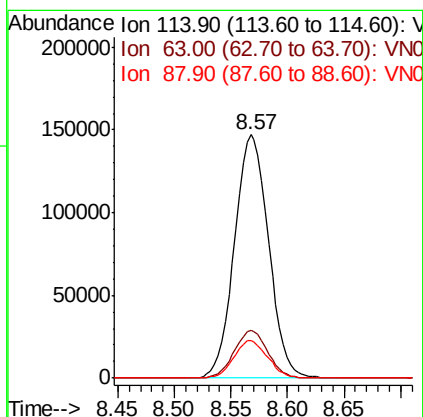
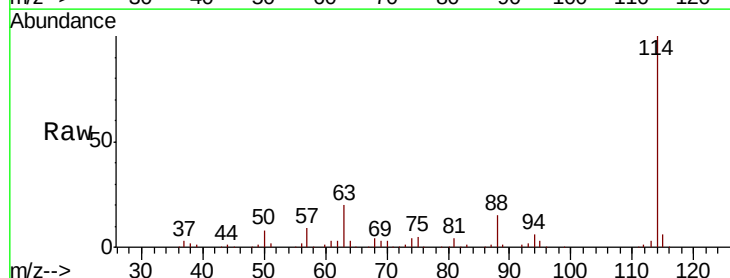
Instrument :
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 ClientSampleId :
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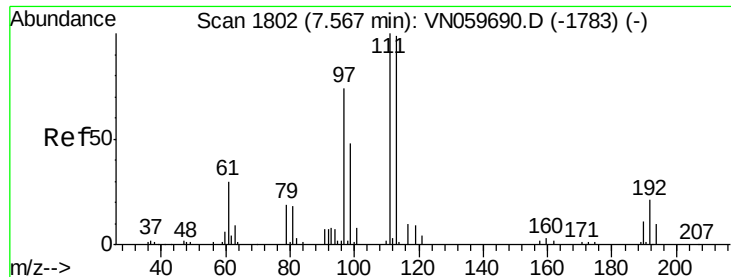
Tot Ion: 65 Resp: 113198
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060002.D
 Acq: 4 Feb 2020 18:12

Tgt Ion: 114 Resp: 309351
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 43.6
 88 15.5 0.0 31.4

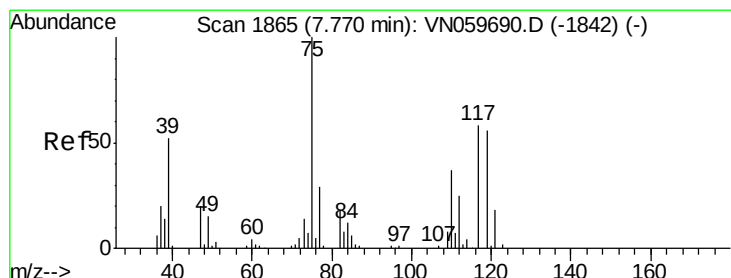
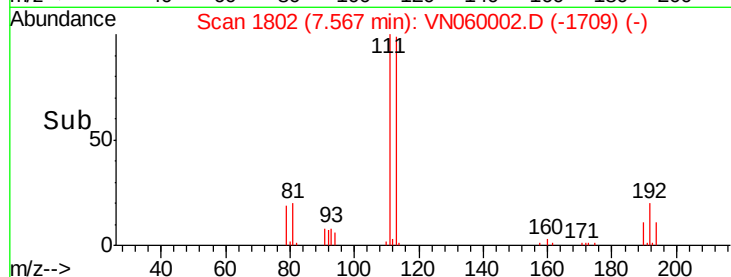
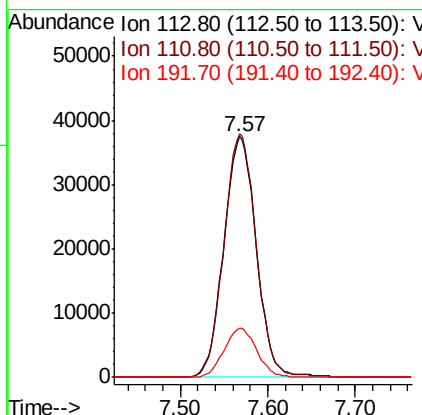
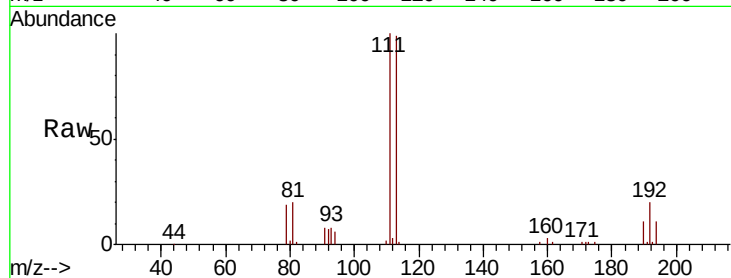




#35
 Dibromofluoromethane
 Concen: 52.216 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060002.D
 Acq: 4 Feb 2020 18:12

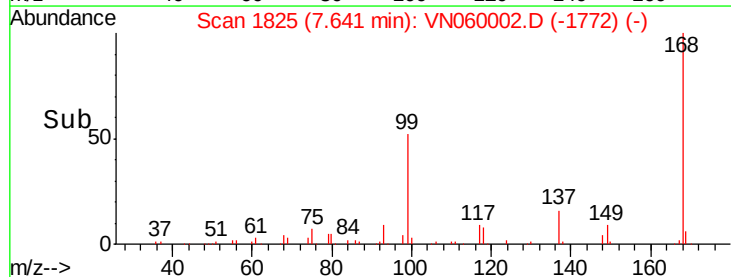
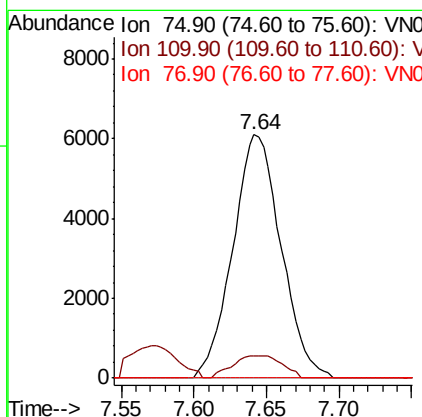
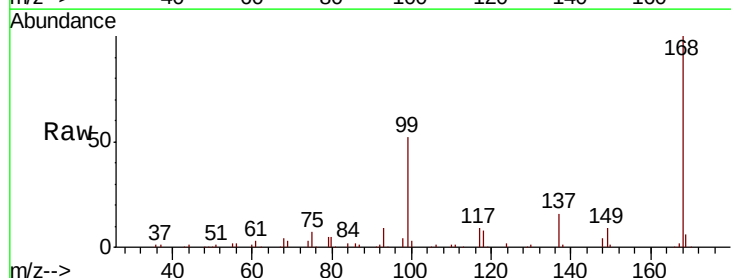
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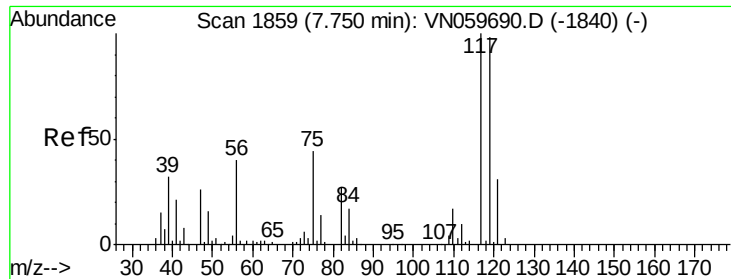
Tot Ion:113 Resp: 96328
 Ion Ratio Lower Upper
 113 100
 111 100.9 83.5 125.3
 192 20.5 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.237 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060002.D
 Acq: 4 Feb 2020 18:12

Tgt Ion: 75 Resp: 14107
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.6 49.7#
 77 0.0 25.1 37.7#

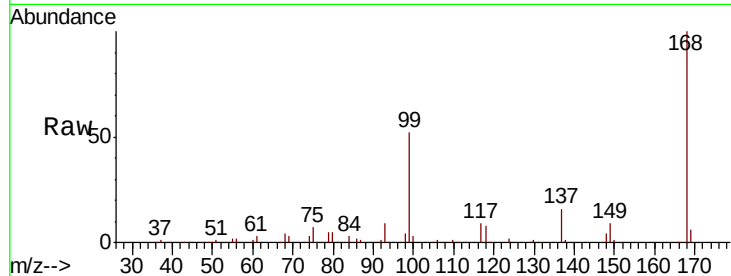




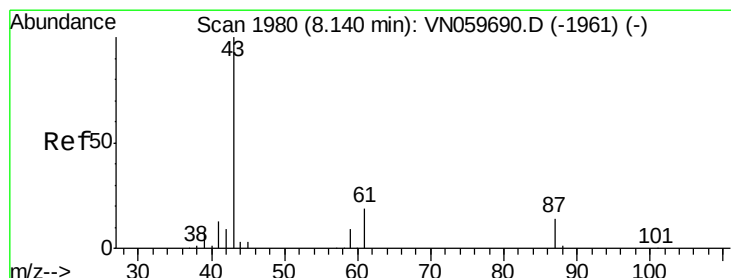
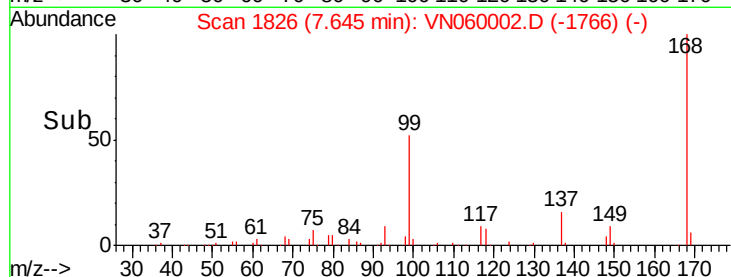
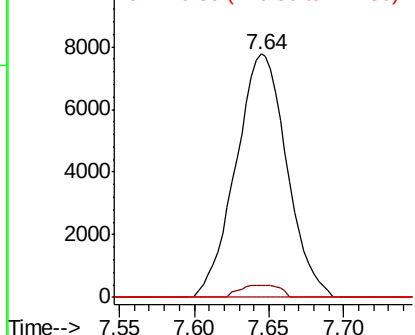
#38
Carbon Tetrachloride
Concen: 6.279 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060002.D
Acq: 4 Feb 2020 18:12

Instrument :
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ClientSampleId :
PB126559ZHE#15

Tot Ion:117 Resp: 18401
Ion Ratio Lower Upper
117 100
119 4.9 76.5 114.7#
121 0.0 25.1 37.7#

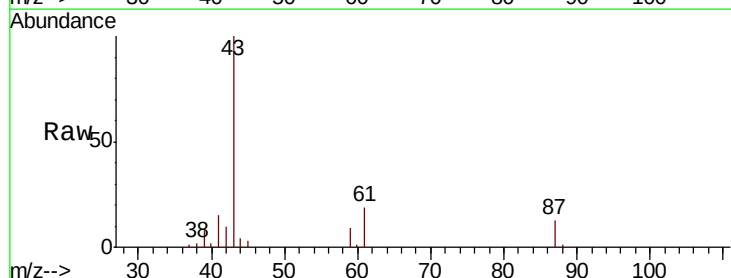


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

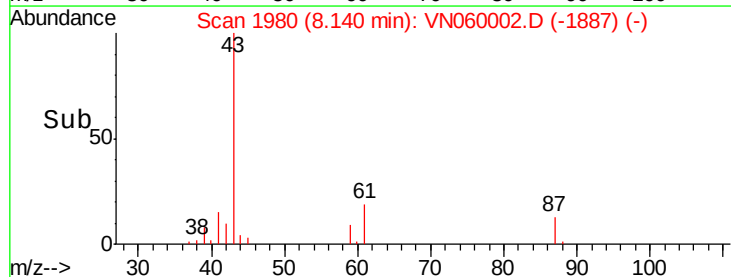
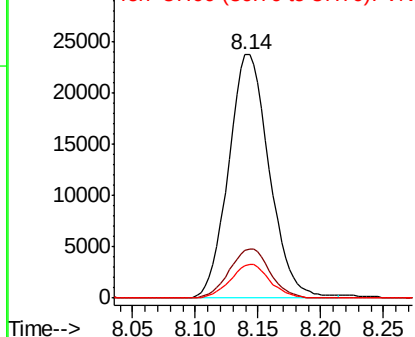


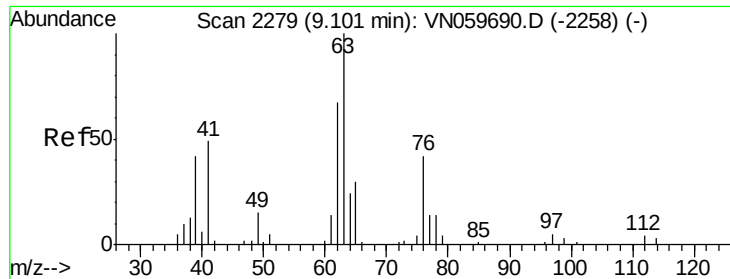
#43
Isopropyl Acetate
Concen: 12.346 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060002.D
Acq: 4 Feb 2020 18:12

Tgt Ion: 43 Resp: 53654
Ion Ratio Lower Upper
43 100
61 20.0 20.2 30.2#
87 13.4 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

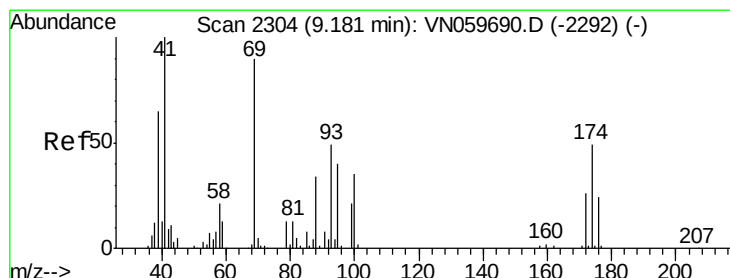
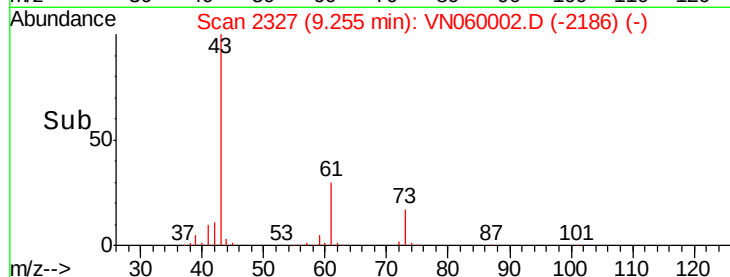
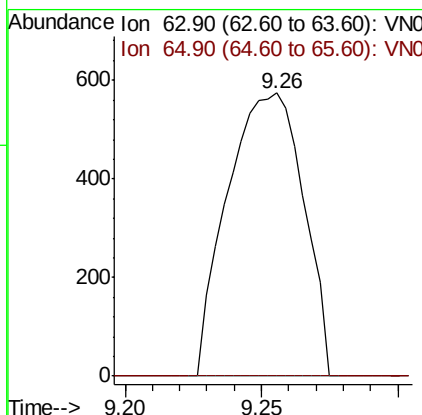
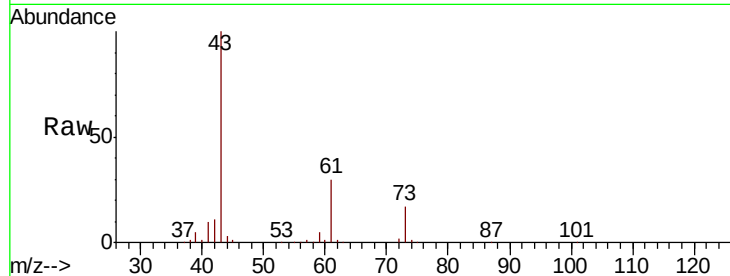




#45
 1,2-Dichloropropane
 Concen: 0.557 ug/l
 RT: 9.26 min Scan# 2327
 Delta R.T. 0.15 min
 Lab File: VN060002.D
 Acq: 4 Feb 2020 18:12

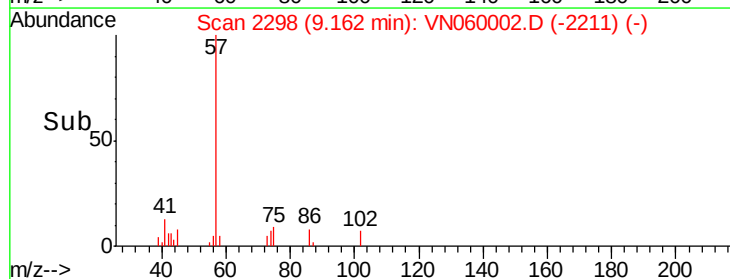
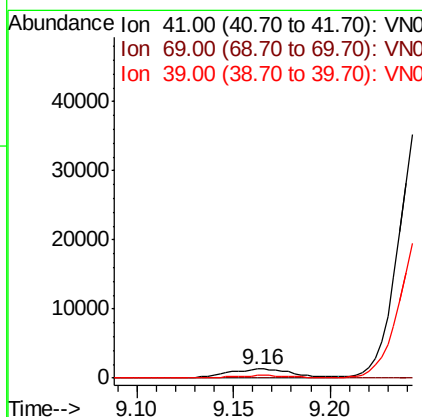
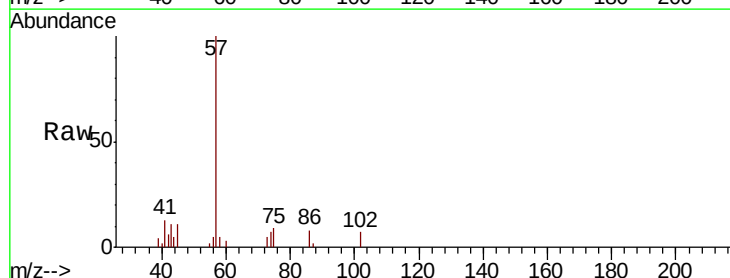
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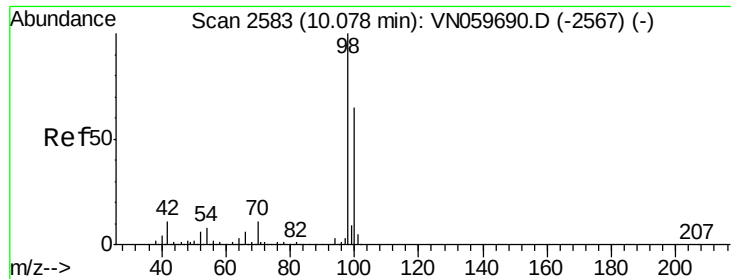
Tot Ion: 63 Resp: 1108
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.589 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060002.D
 Acq: 4 Feb 2020 18:12

Tgt Ion: 41 Resp: 3088
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#

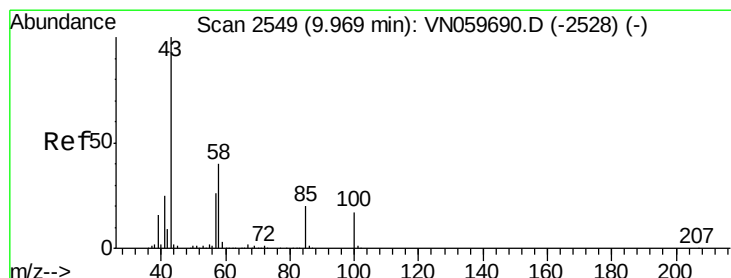
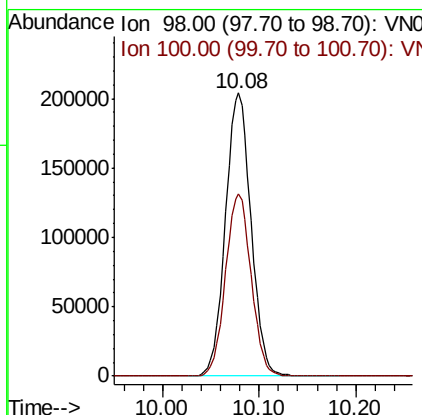
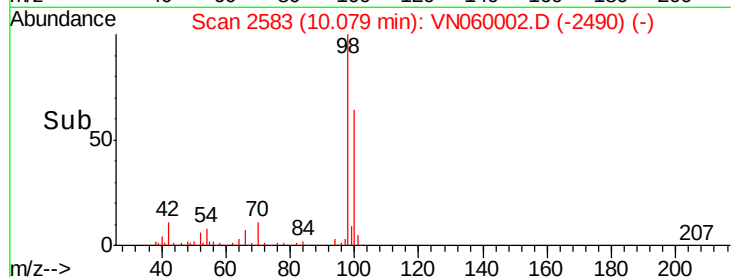
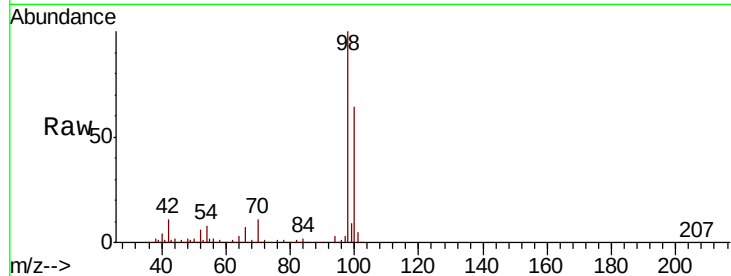




#50
Toluene-d8
Concen: 52.314 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060002.D
Acq: 4 Feb 2020 18:12

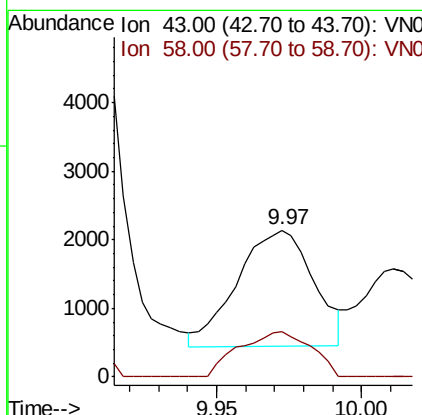
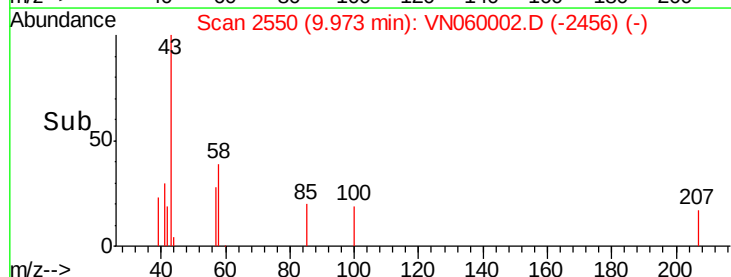
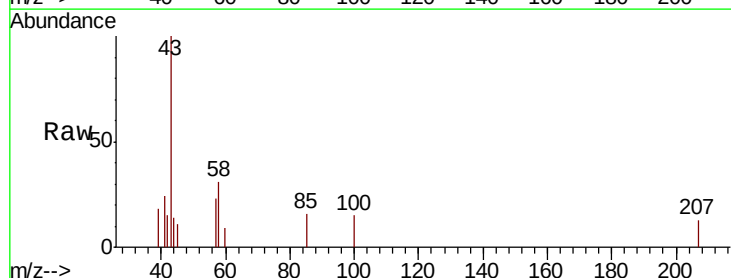
Instrument :
MSVOA_N
ClientSampleId :
PB126559ZHE#15

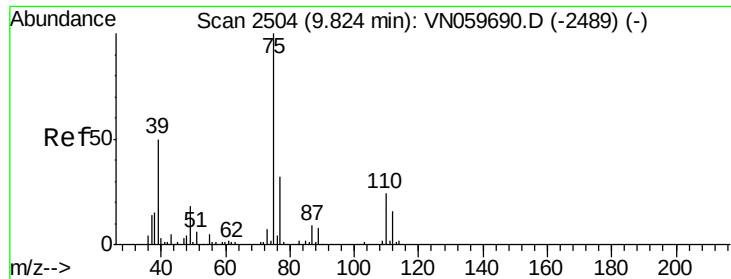
Tot Ion: 98 Resp: 373920
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 1.226 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN060002.D
Acq: 4 Feb 2020 18:12

Tgt Ion: 43 Resp: 3081
Ion Ratio Lower Upper
43 100
58 37.2 29.8 44.8





#54

cis-1,3-Dichloropropene

Concen: 7.721 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060002.D

Acq: 4 Feb 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

PB126559ZHE#15

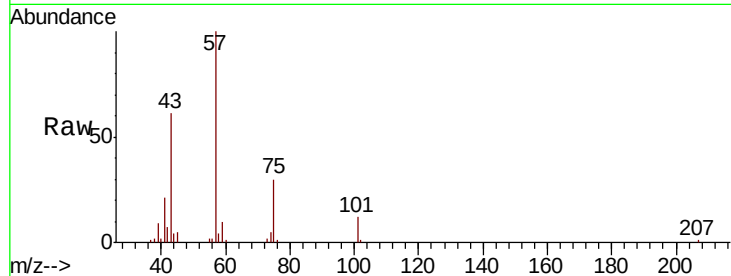
Tot Ion: 75 Resp: 25637

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

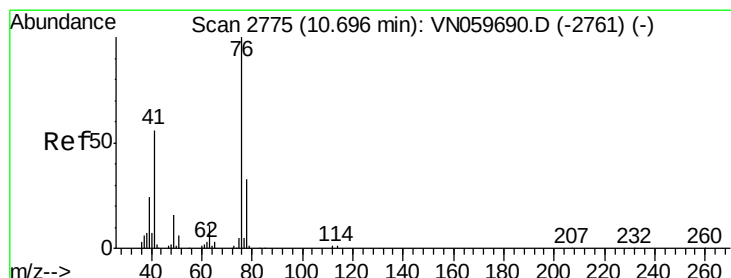
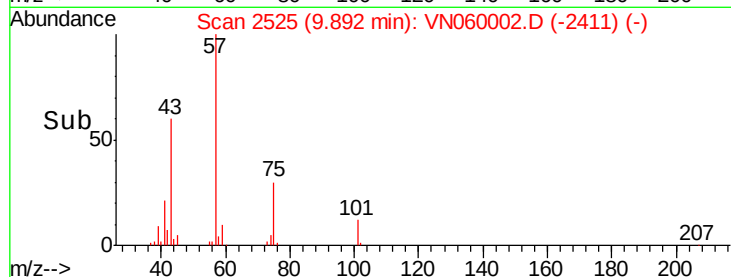
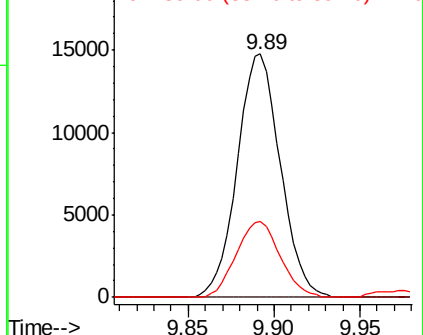
39 31.1 46.1 69.1#



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: 1.313 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN060002.D

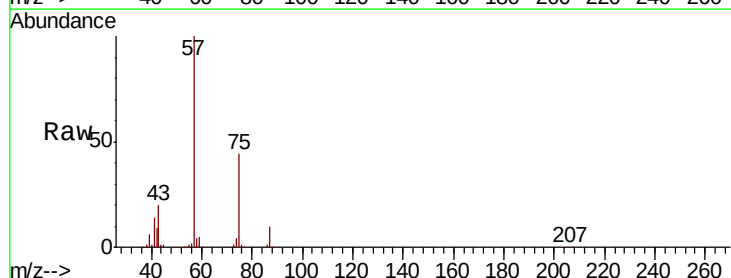
Acq: 4 Feb 2020 18:12

Tgt Ion: 76 Resp: 4190

Ion Ratio Lower Upper

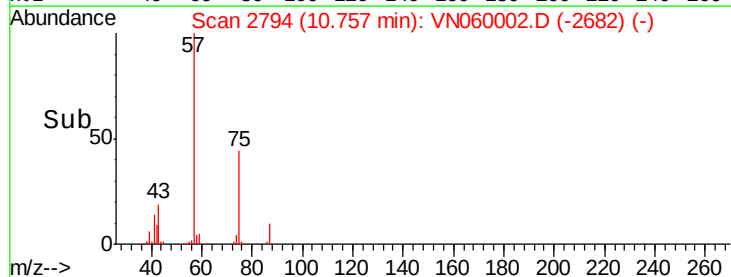
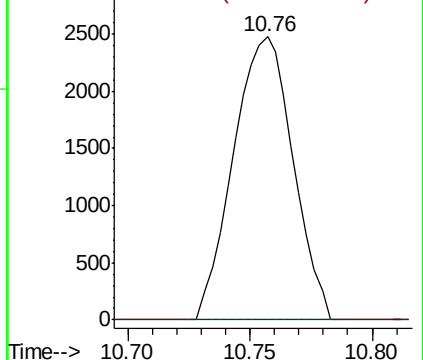
76 100

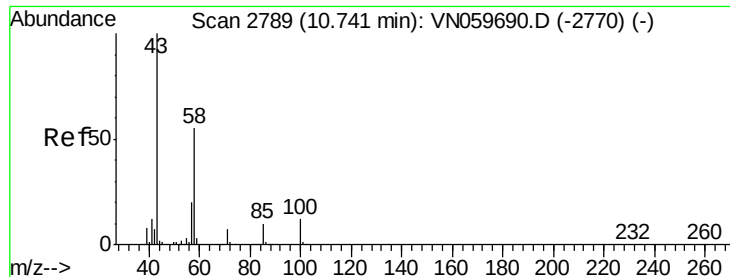
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

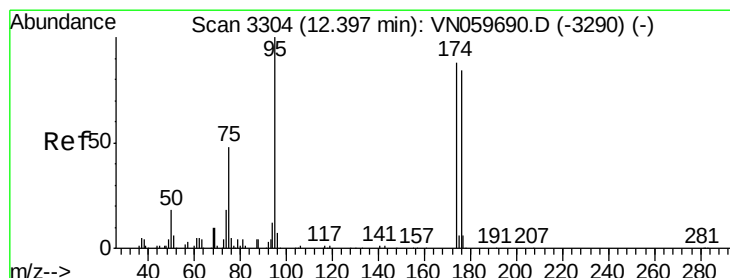
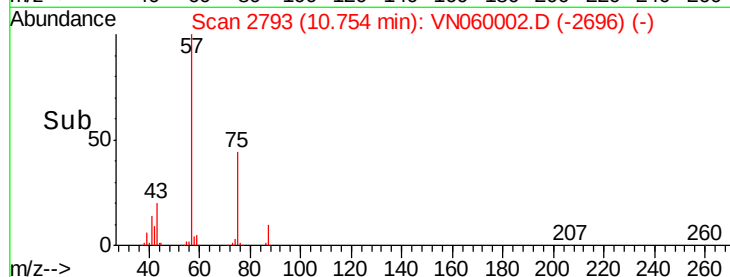
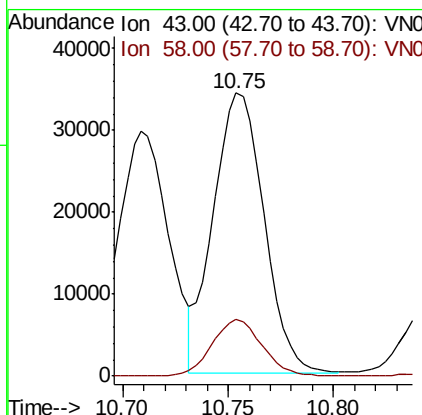
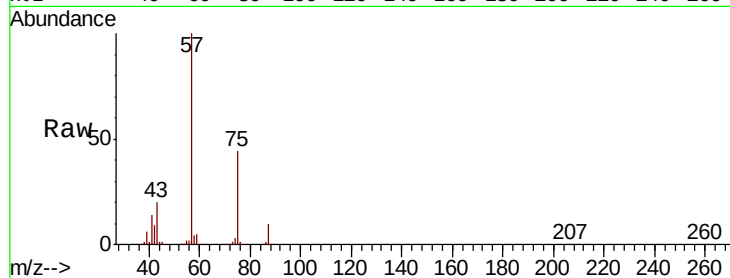




#59
2-Hexanone
Concen: 30.763 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060002.D
Acq: 4 Feb 2020 18:12

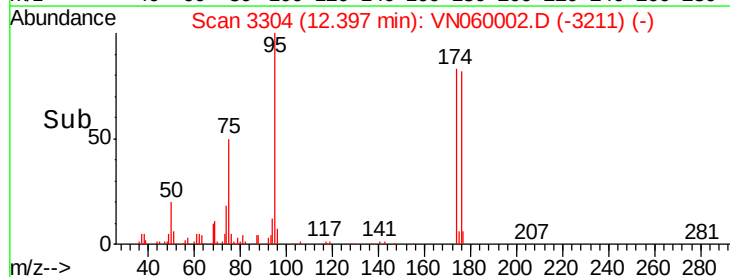
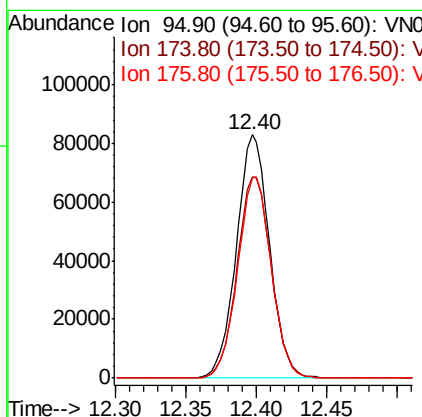
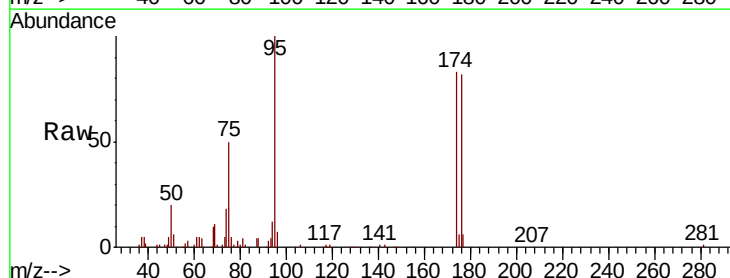
Instrument :
MSVOA_N
ClientSampleId :
PB126559ZHE#15

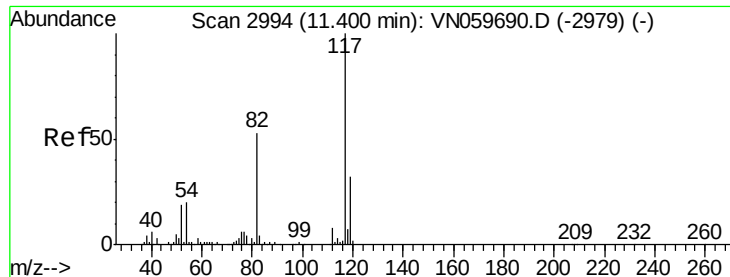
Tot Ion: 43 Resp: 56937
Ion Ratio Lower Upper
43 100
58 19.9 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 52.979 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060002.D
Acq: 4 Feb 2020 18:12

Tgt Ion: 95 Resp: 136513
Ion Ratio Lower Upper
95 100
174 85.5 0.0 151.4
176 83.7 0.0 146.0

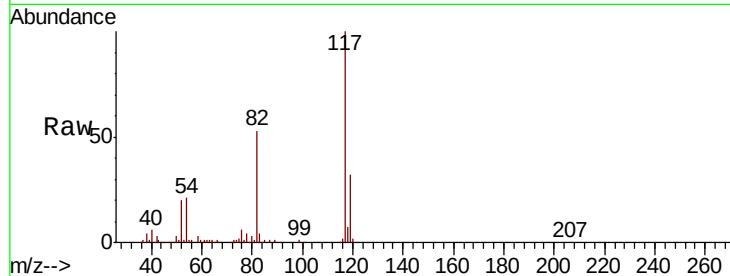




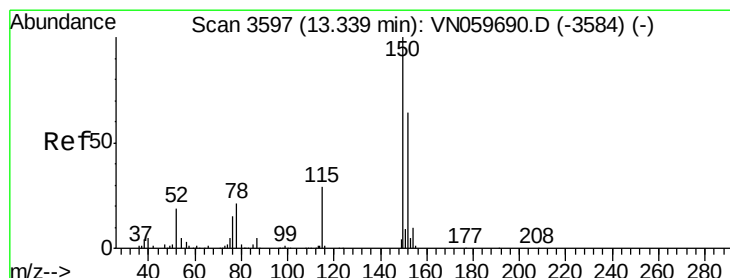
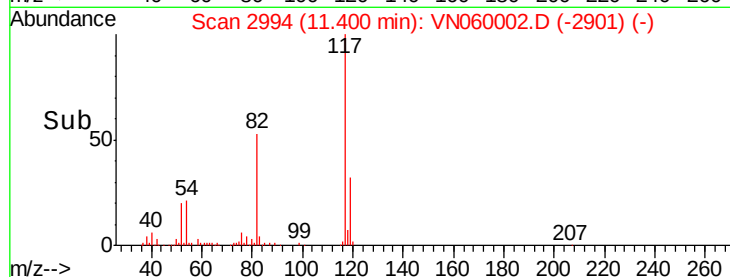
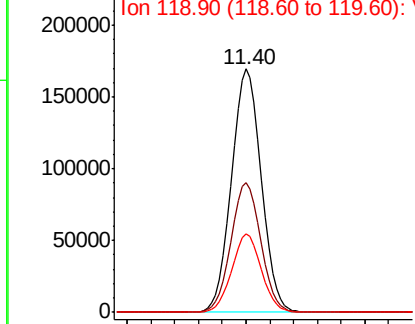
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060002.D
Acq: 4 Feb 2020 18:12

Instrument :
MSVOA_N
ClientSampleId :
PB126559ZHE#15

Tot Ion:117 Resp: 293886
Ion Ratio Lower Upper
117 100
82 53.1 45.9 68.9
119 32.2 25.5 38.3

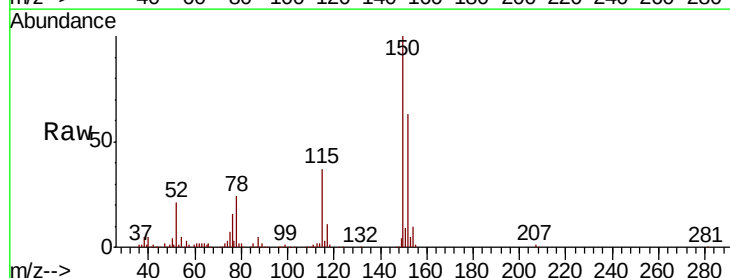


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

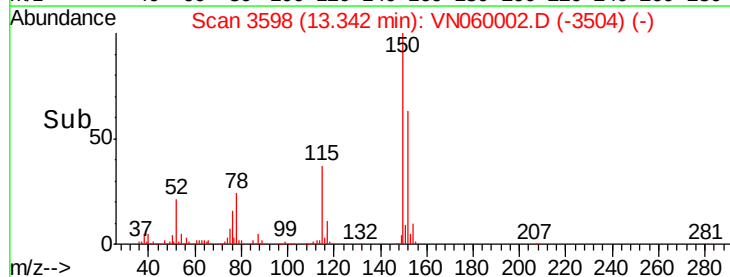
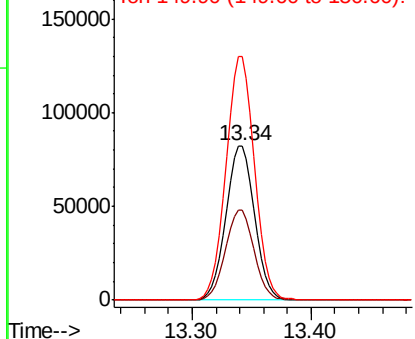


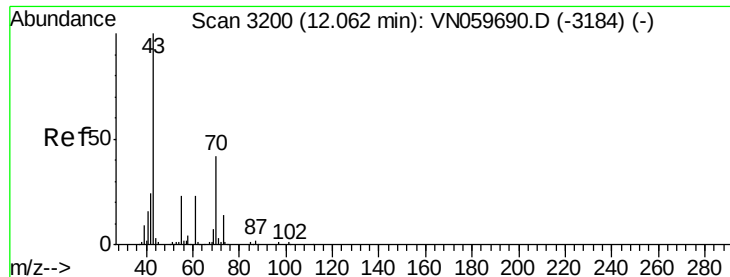
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN060002.D
Acq: 4 Feb 2020 18:12

Tgt Ion:152 Resp: 137374
Ion Ratio Lower Upper
152 100
115 58.4 30.3 90.9
150 156.8 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

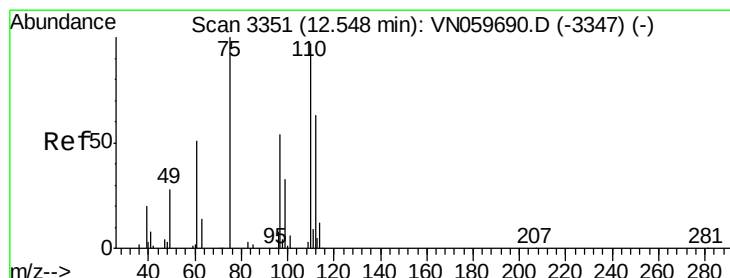
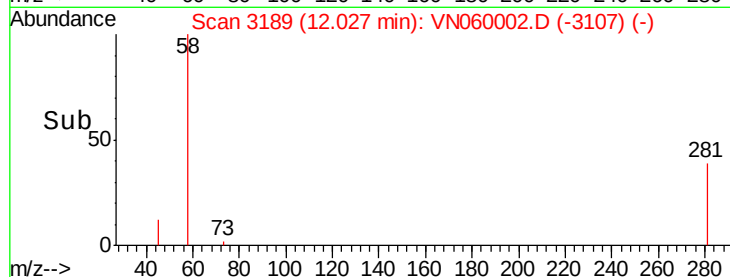
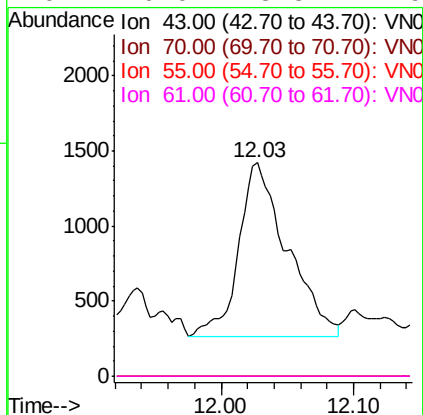
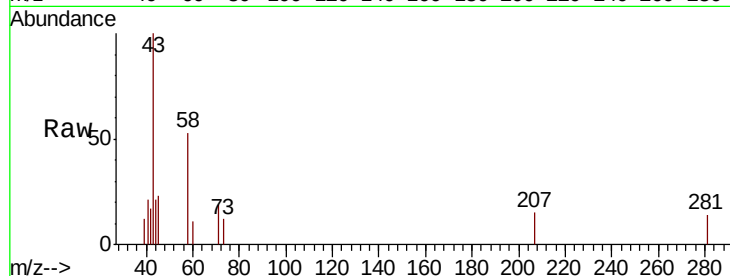




#74
N-amyl acetate
Concen: 0.754 ug/l
RT: 12.03 min Scan# 3189
Delta R.T. -0.04 min
Lab File: VN060002.D
Acq: 4 Feb 2020 18:12

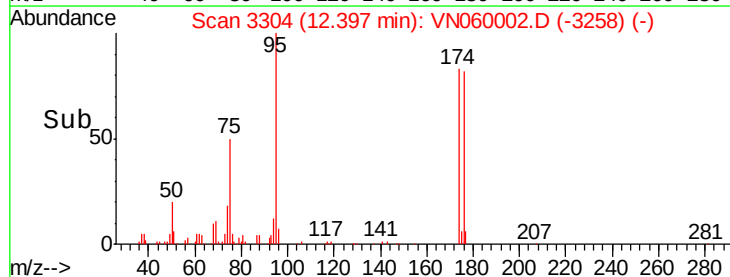
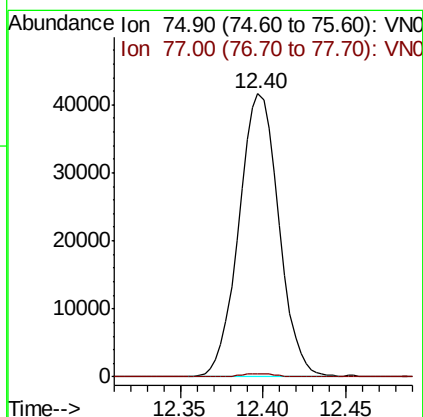
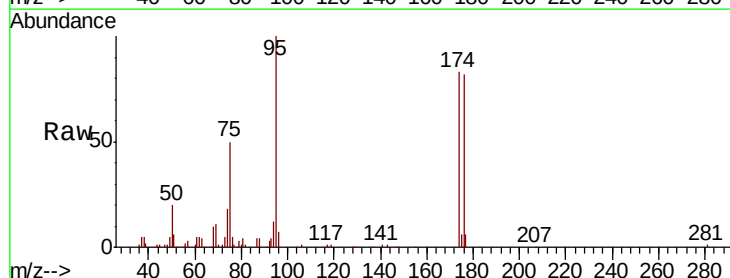
Instrument :
MSVOA_N
ClientSampleId :
PB126559ZHE#15

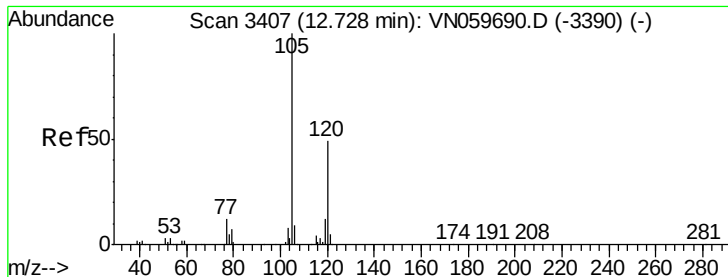
Tot Ion: 43 Resp: 2946
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 19.8 29.6#
61 0.0 18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 30.200 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060002.D
Acq: 4 Feb 2020 18:12

Tgt Ion: 75 Resp: 69819
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.228 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060002.D

Acq: 4 Feb 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

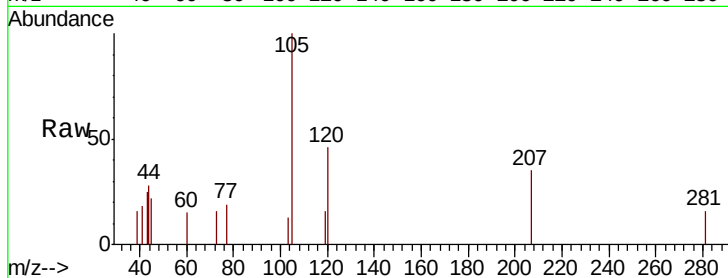
PB126559ZHE#15

Tot Ion:105 Resp: 1930

Ion Ratio Lower Upper

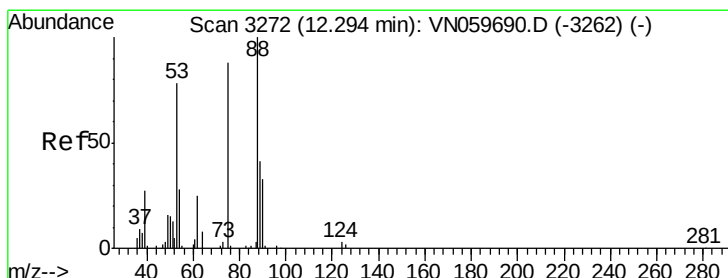
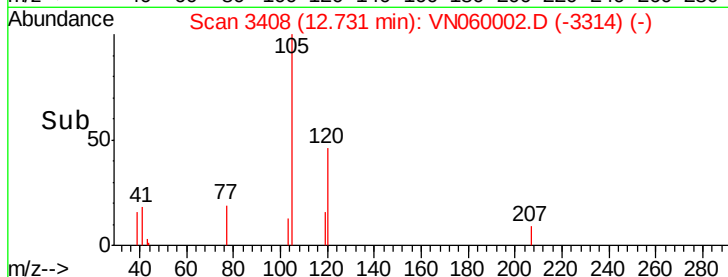
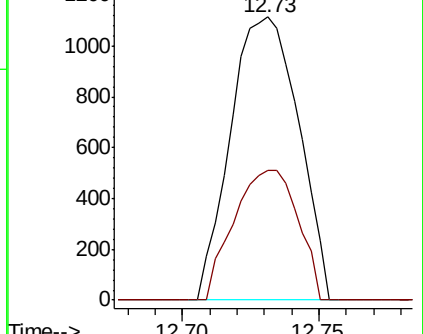
105 100

120 43.3 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: 64.855 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060002.D

Acq: 4 Feb 2020 18:12

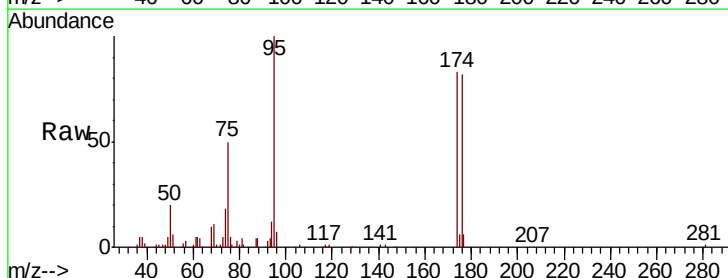
Tgt Ion: 75 Resp: 69819

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

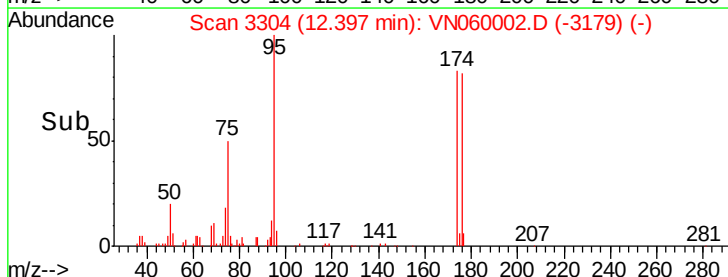
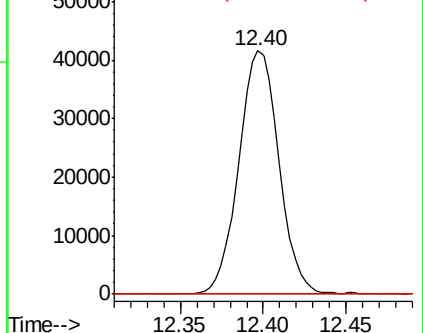
89 0.0 35.4 53.2#

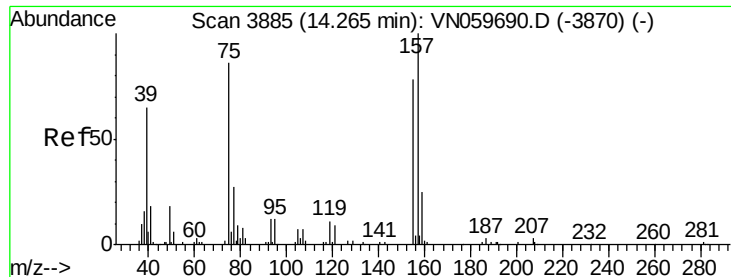


Abundance Ion 74.90 (74.60 to 75.60): VN0

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: 14.17 min Scan# 3857

Delta R.T. -0.09 min

Lab File: VN060002.D

Acq: 4 Feb 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

PB126559ZHE#15

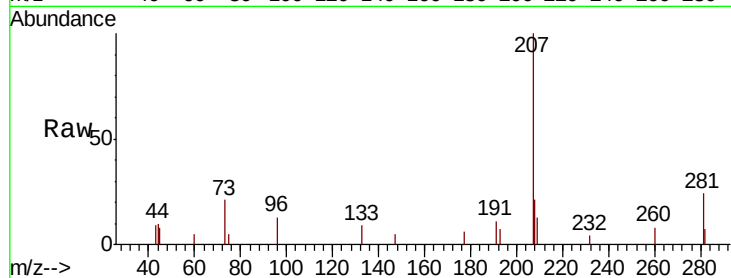
Tot Ion: 75 Resp: 97

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): VN060002.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060002.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060002.D (-3791) (-)

