

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN060001.D
 Acq On : 4 Feb 2020 17:50
 Operator : JC/MD
 Sample : PB126559ZHE#14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126559ZHE#14

Quant Time: Feb 05 01:25:21 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	199720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	312602	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	296509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137327	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	114924	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
35) Dibromofluoromethane	7.57	113	94947	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
50) Toluene-d8	10.08	98	380060	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.40	95	140070	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	

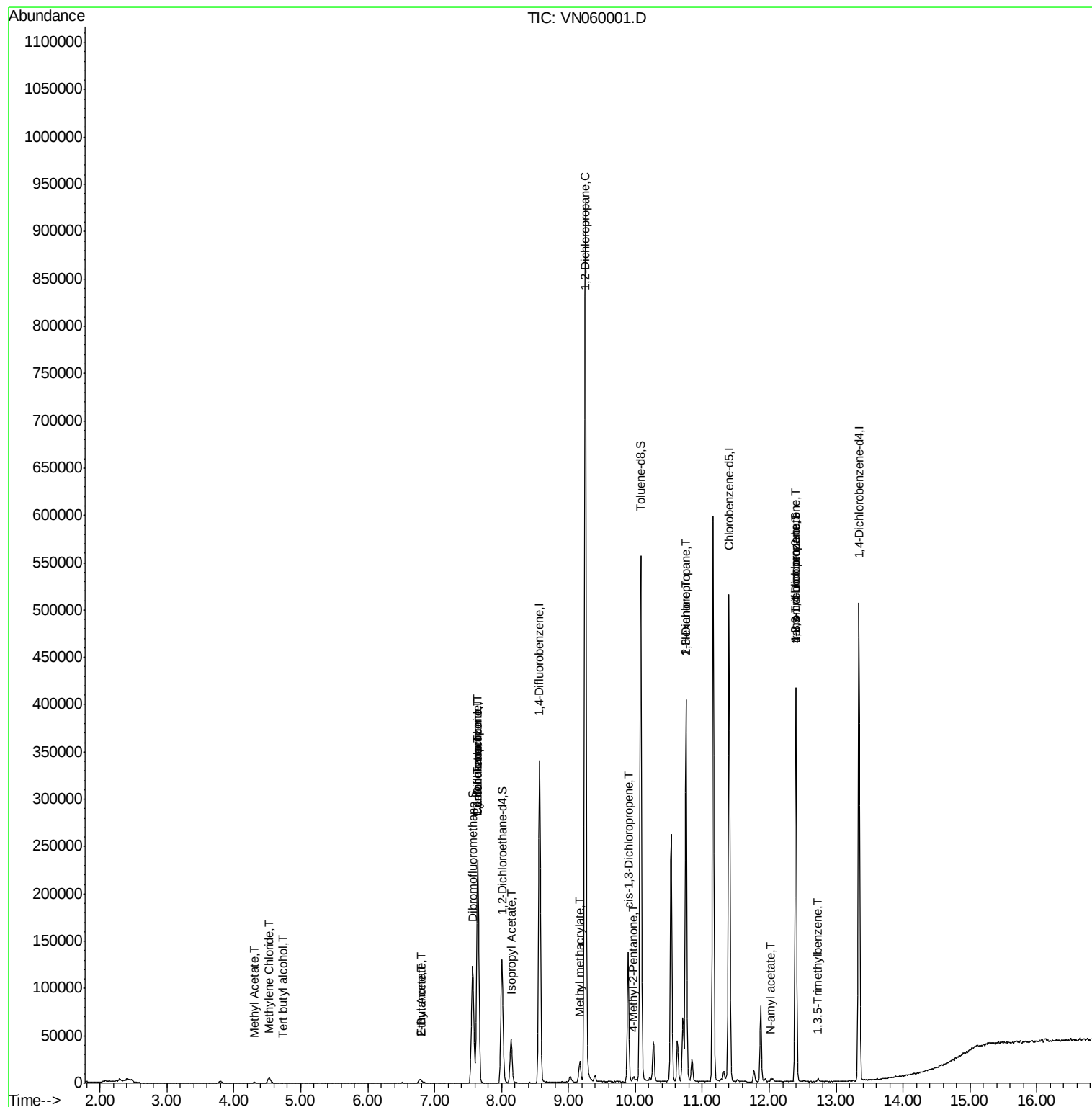
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	137	0.367	ug/l #	72
16) Acetone	3.79	43	3887	Below Cal		96
18) Methyl Acetate	4.30	43	1396	0.539	ug/l #	63
20) Methylene Chloride	4.53	84	4500	0.974	ug/l	95
25) 2-Butanone	6.81	43	807	0.643	ug/l #	50
31) Cyclohexane	7.64	56	4112	1.253	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14161	5.202	ug/l #	52
37) Ethyl Acetate	6.81	43	807	0.316	ug/l #	69
38) Carbon Tetrachloride	7.65	117	18562	6.268	ug/l #	16
43) Isopropyl Acetate	8.14	43	54003	12.297	ug/l	92
45) 1,2-Dichloropropane	9.25	63	1132	0.563	ug/l #	44
48) Methyl methacrylate	9.17	41	3382	1.722	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3406	1.342	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	25134	7.491	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	4216	1.307	ug/l #	42
59) 2-Hexanone	10.76	43	58111	31.071	ug/l #	55
74) N-amyl acetate	12.02	43	2966	0.759	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	70984	30.715	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	1829	0.216	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	70984	65.960	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60	Below Cal	#	6

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

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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
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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: VN060001.D

Acq: 4 Feb 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

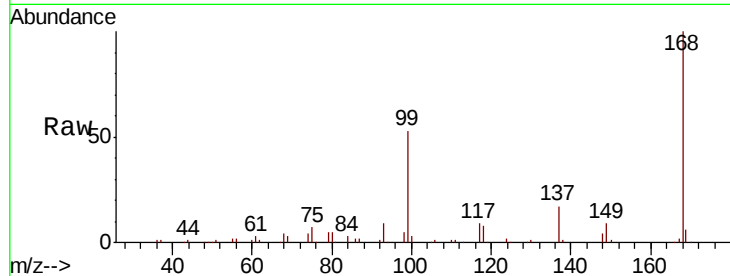
PB126559ZHE#14

Tot Ion:168 Resp: 199720

Ion Ratio Lower Upper

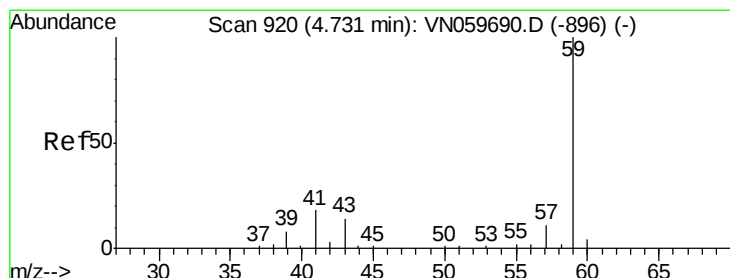
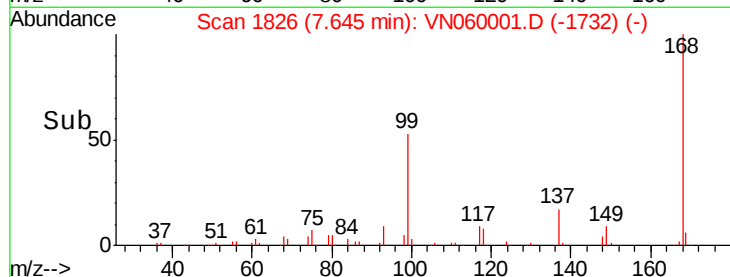
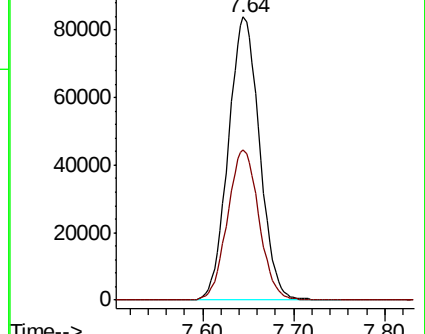
168 100

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



#11

Tert butyl alcohol

Concen: 0.367 ug/l

RT: 4.73 min Scan# 920

Delta R.T. 0.00 min

Lab File: VN060001.D

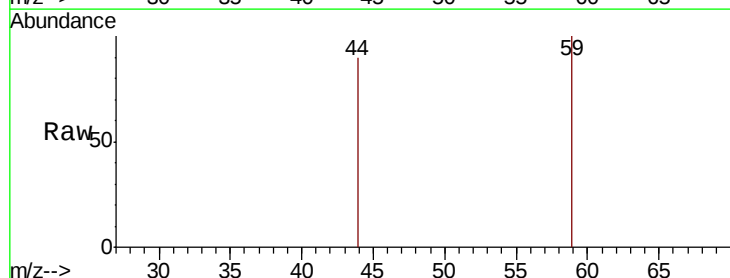
Acq: 4 Feb 2020 17:50

Tgt Ion: 59 Resp: 137

Ion Ratio Lower Upper

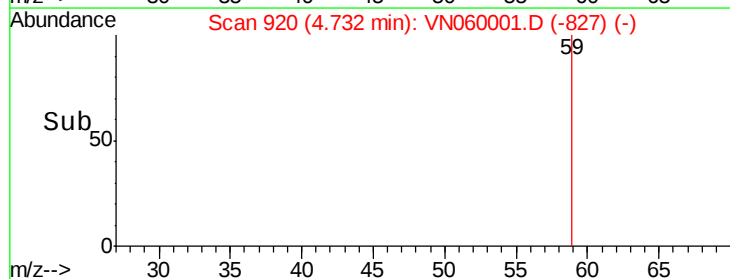
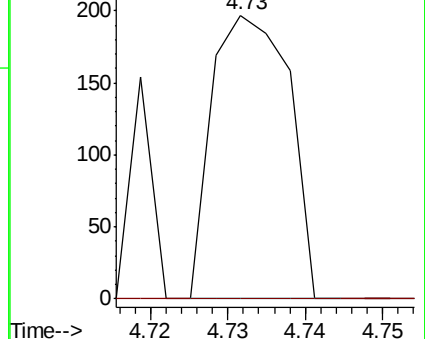
59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060001.D

Acq: 4 Feb 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

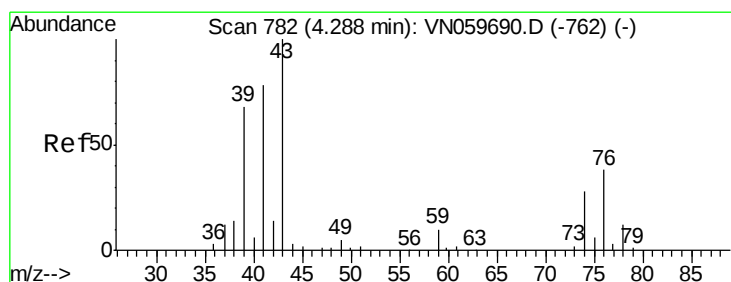
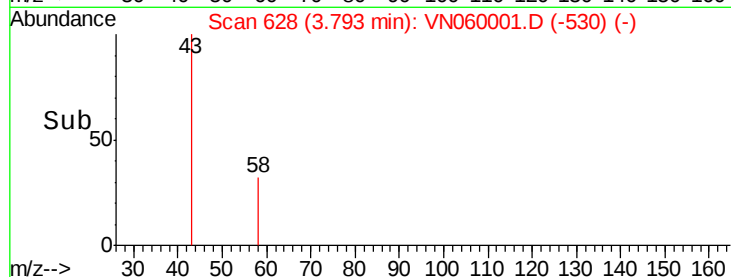
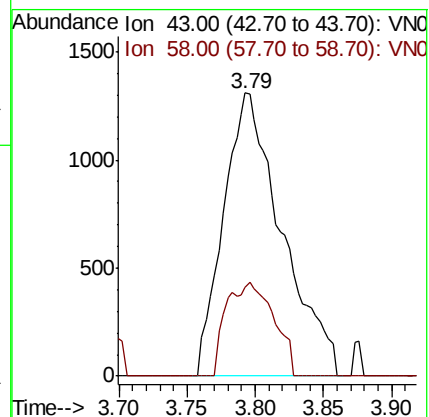
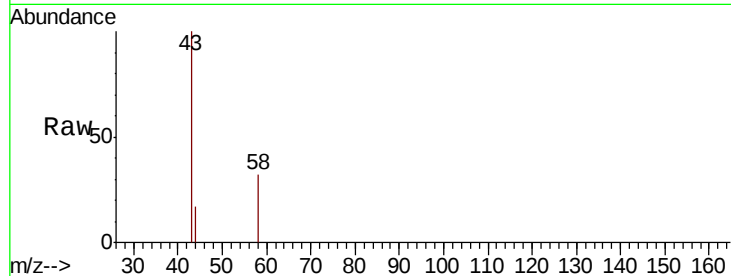
PB126559ZHE#14

Tot Ion: 43 Resp: 3887

Ion Ratio Lower Upper

43 100

58 31.6 23.6 35.4



#18

Methyl Acetate

Concen: 0.539 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.02 min

Lab File: VN060001.D

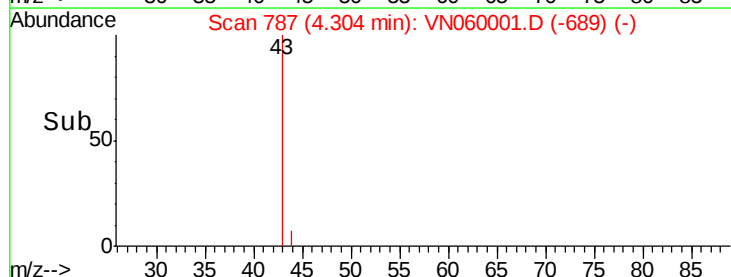
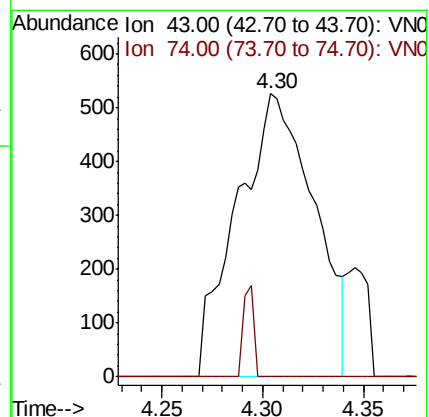
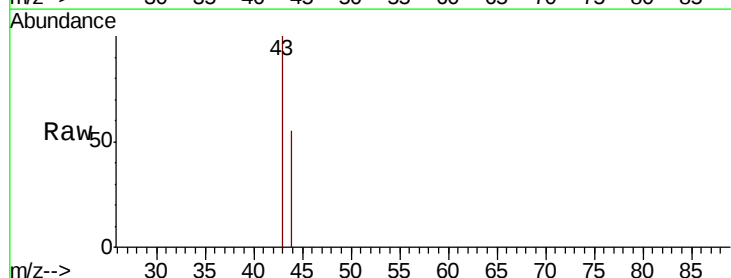
Acq: 4 Feb 2020 17:50

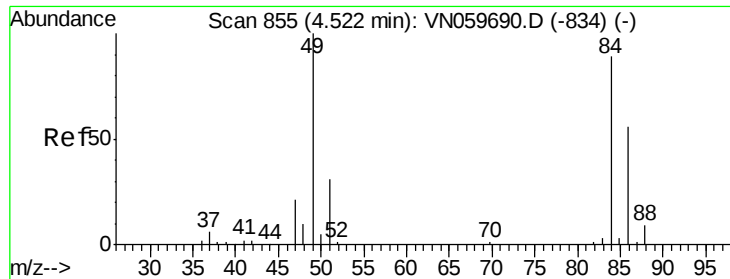
Tgt Ion: 43 Resp: 1396

Ion Ratio Lower Upper

43 100

74 4.4 17.5 26.3#

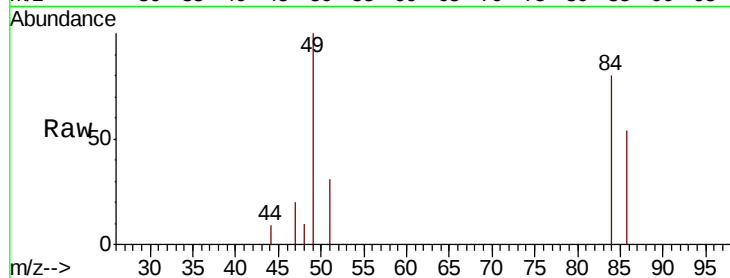




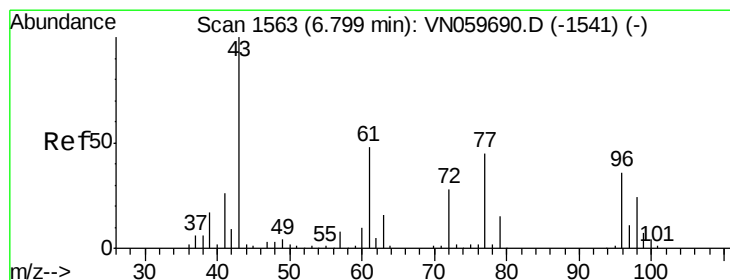
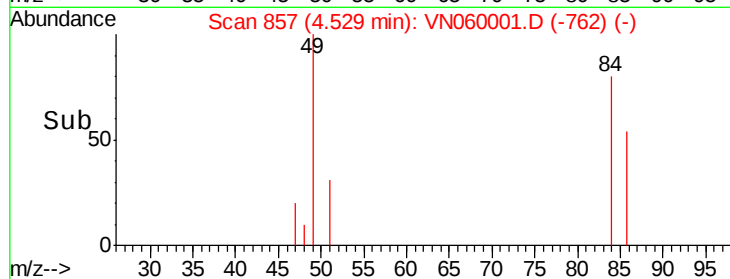
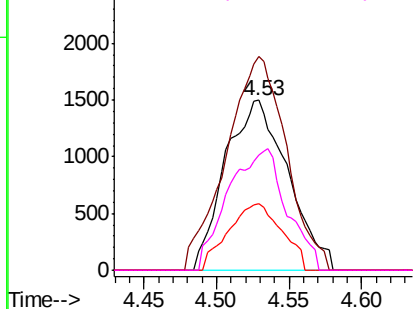
#20
Methvlene Chloride
Concen: 0.974 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060001.D
Acq: 4 Feb 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
PB126559ZHE#14

Tot Ion: 84 Resp: 4500
Ion Ratio Lower Upper
84 100
49 125.7 106.6 160.0
51 39.2 31.9 47.9
86 68.1 50.8 76.2

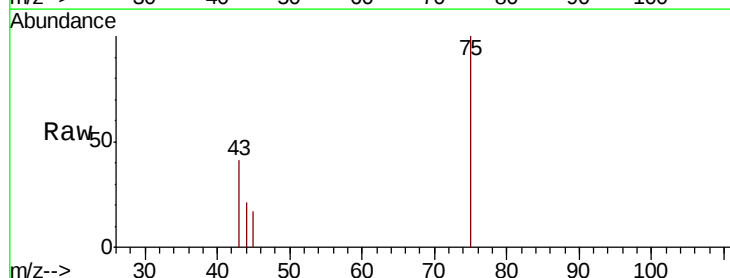


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

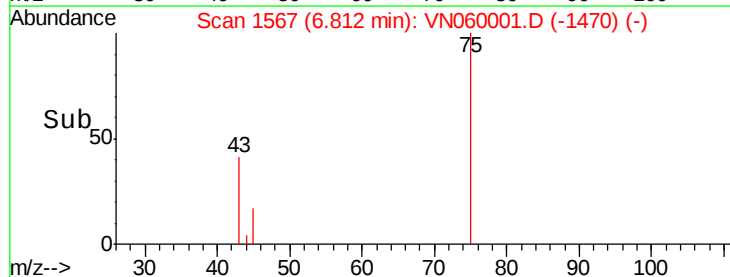
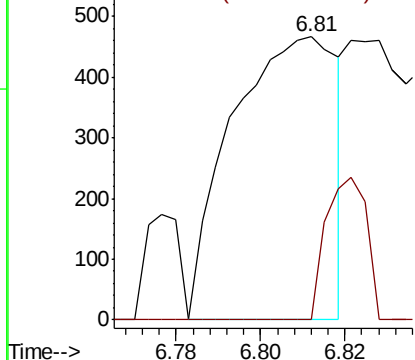


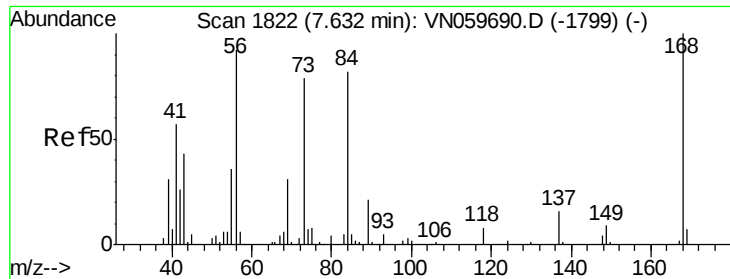
#25
2-Butanone
Concen: 0.643 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN060001.D
Acq: 4 Feb 2020 17:50

Tgt Ion: 43 Resp: 807
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

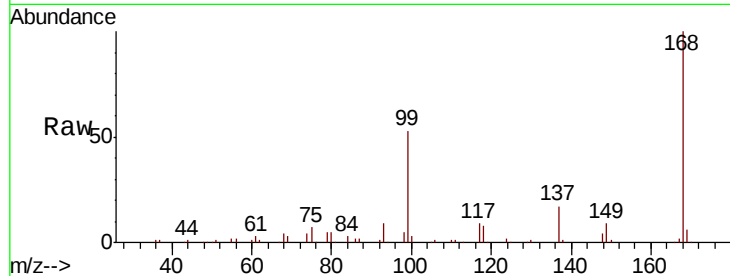




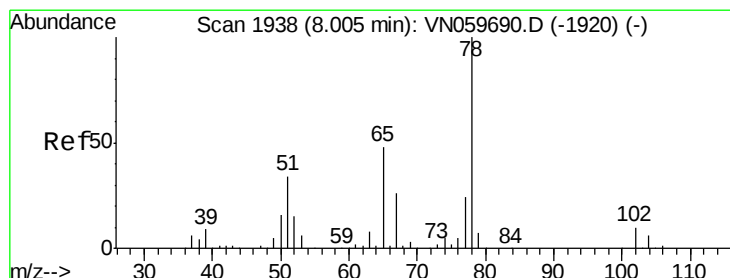
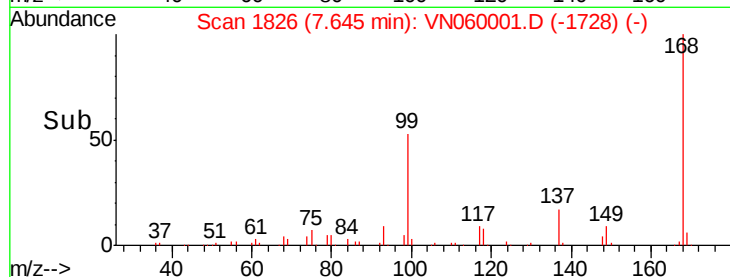
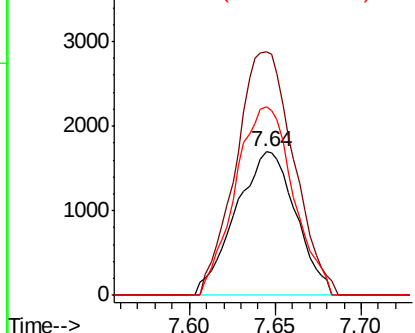
#31
Cyclohexane
Concen: 1.253 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060001.D
Acq: 4 Feb 2020 17:50

Instrument :
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ClientSampleId :
PB126559ZHE#14

Tot Ion: 56 Resp: 4112
Ion Ratio Lower Upper
56 100
69 169.6 26.5 39.7#
84 131.5 65.3 97.9#

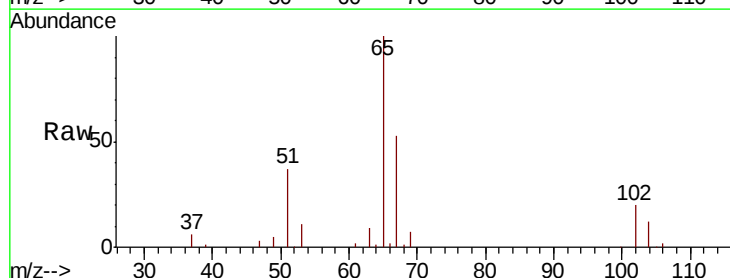


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

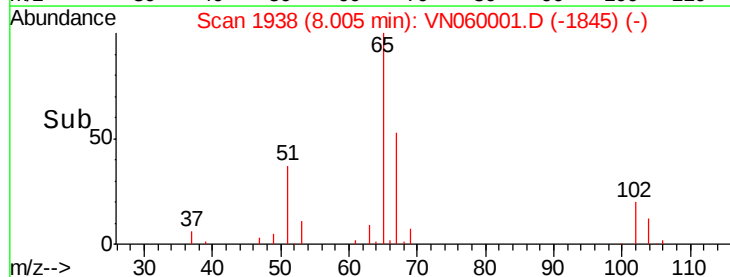
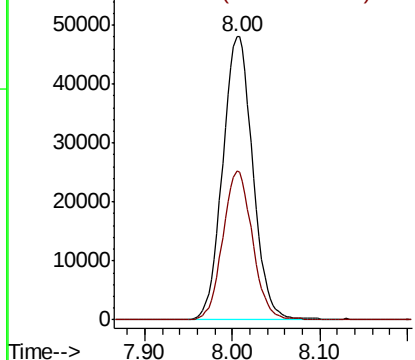


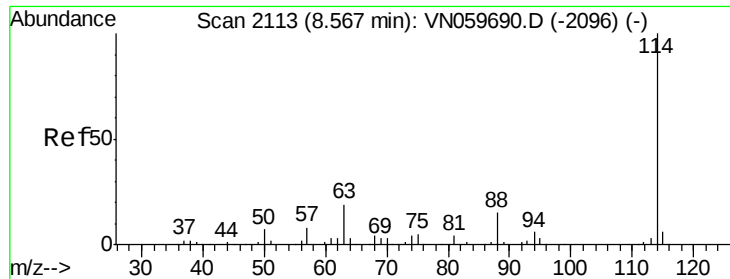
#33
1,2-Dichloroethane-d4
Concen: 51.816 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060001.D
Acq: 4 Feb 2020 17:50

Tgt Ion: 65 Resp: 114924
Ion Ratio Lower Upper
65 100
67 51.4 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: VN060001.D

Acq: 4 Feb 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

PB126559ZHE#14

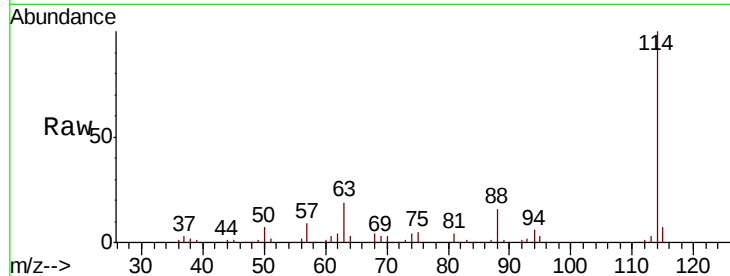
Tot Ion:114 Resp: 312602

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.6

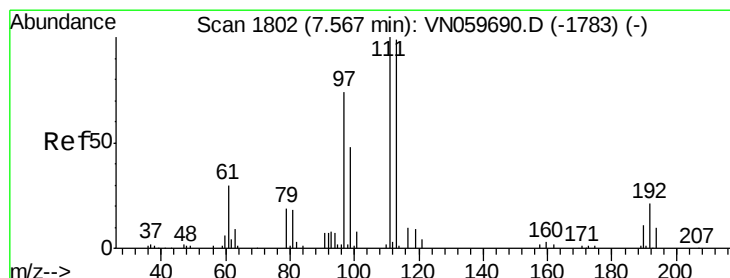
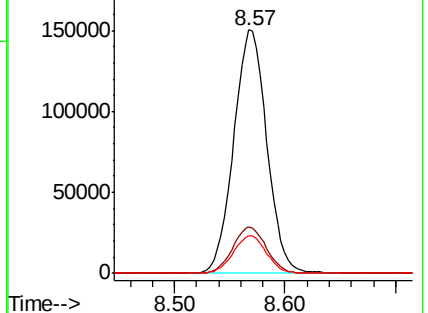
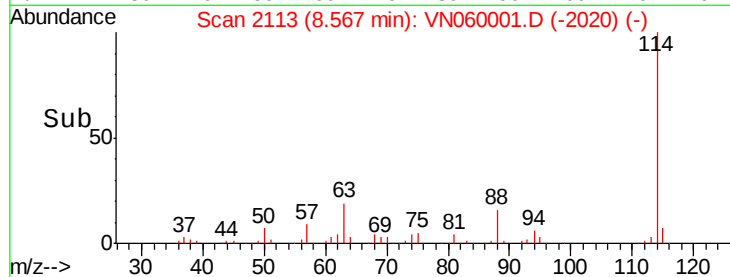
88 15.6 0.0 31.4



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: 50.932 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060001.D

Acq: 4 Feb 2020 17:50

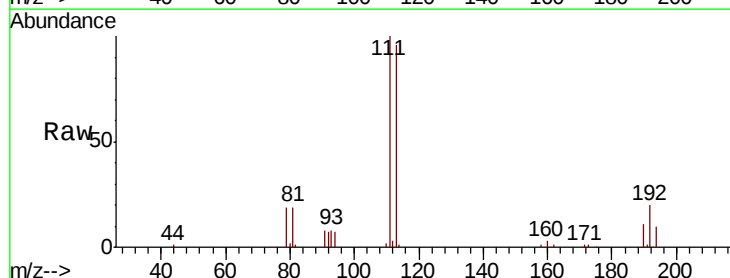
Tgt Ion:113 Resp: 94947

Ion Ratio Lower Upper

113 100

111 102.8 83.5 125.3

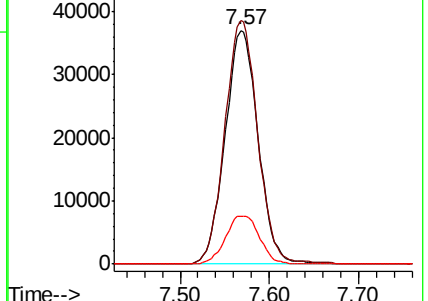
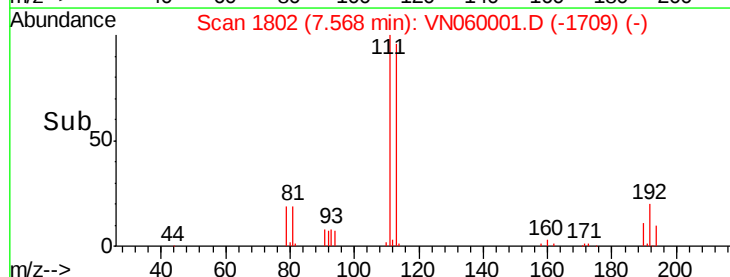
192 21.1 15.4 23.2

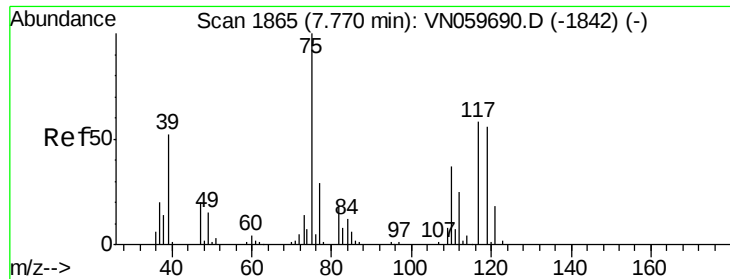


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.202 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060001.D

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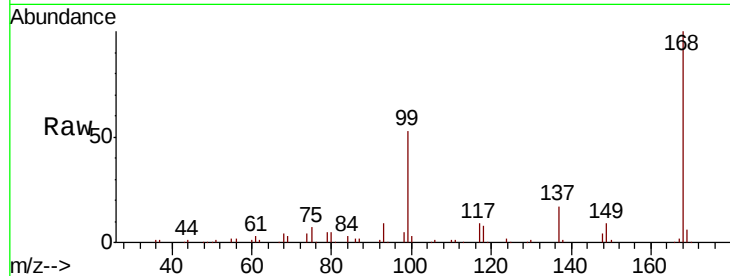
Tot Ion: 75 Resp: 14161

Ion Ratio Lower Upper

75 100

110 10.3 16.6 49.7#

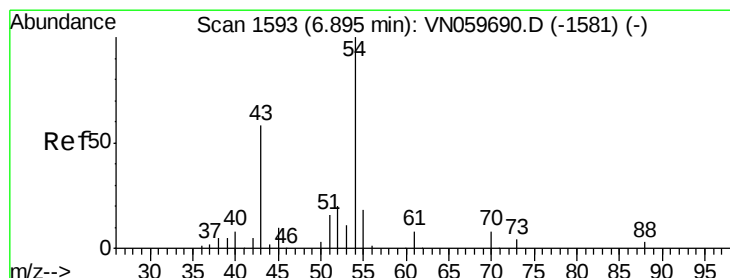
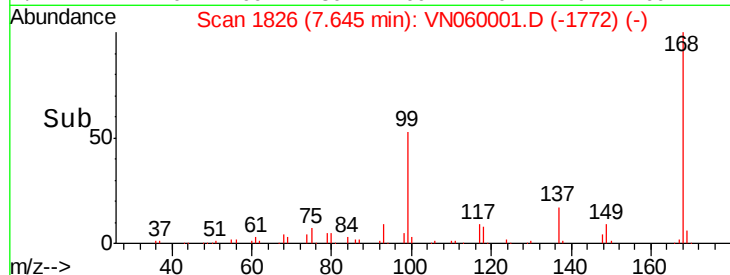
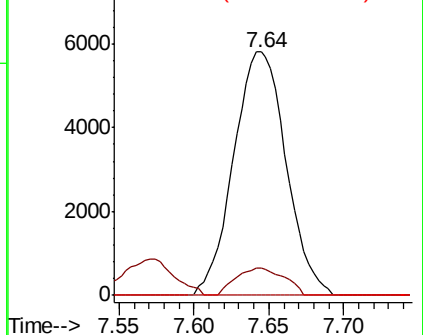
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.316 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.08 min

Lab File: VN060001.D

Acq: 4 Feb 2020 17:50

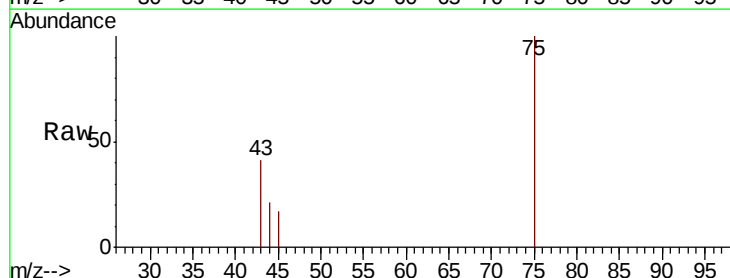
Tgt Ion: 43 Resp: 807

Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

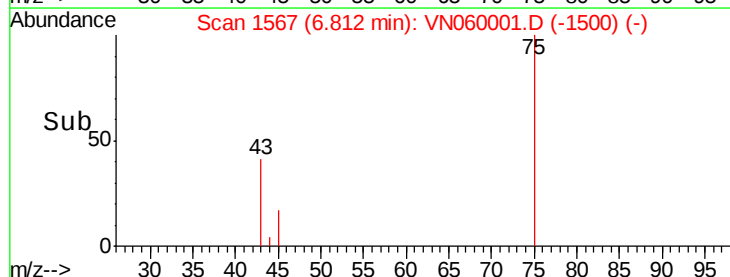
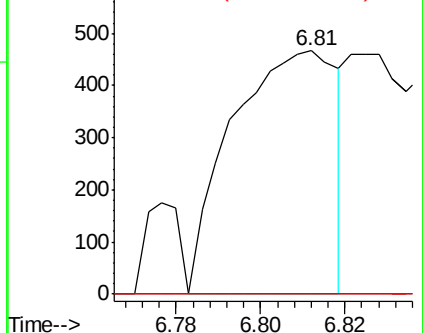
70 0.0 7.7 11.5#

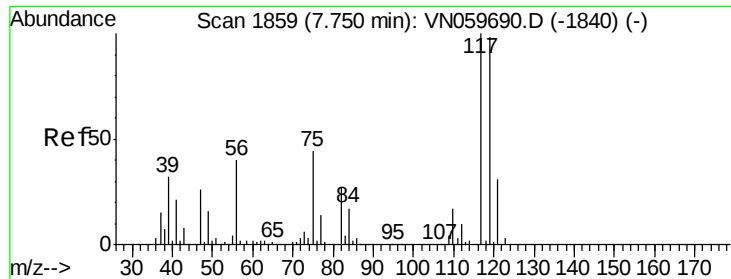


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0

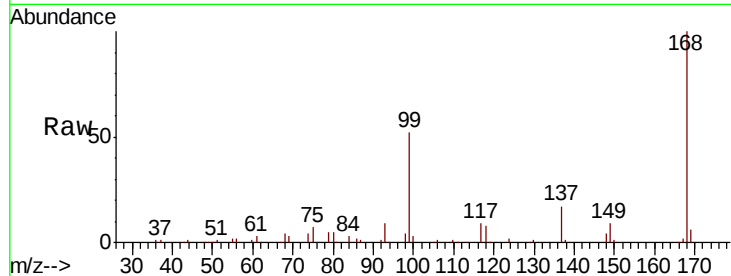




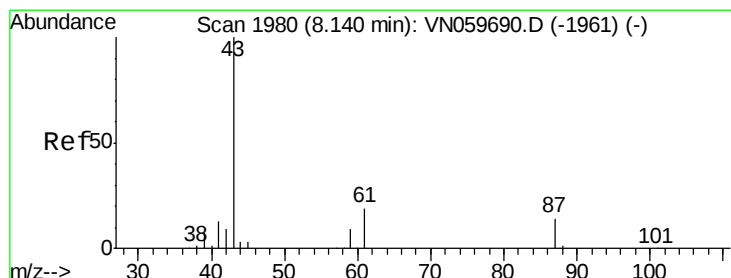
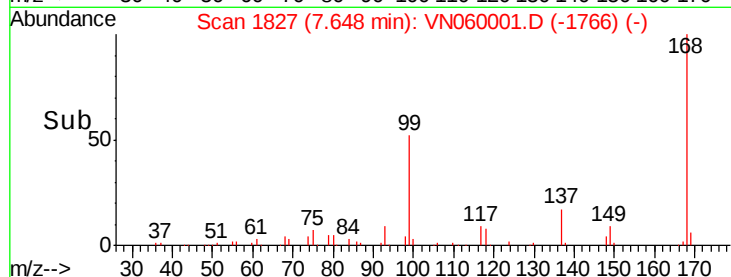
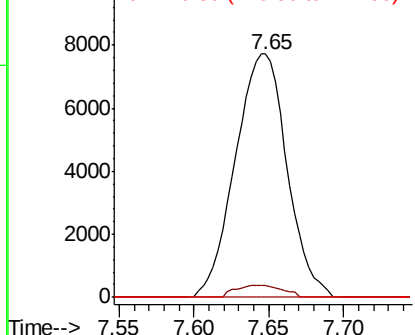
#38
Carbon Tetrachloride
Concen: 6.268 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.10 min
Lab File: VN060001.D
Acq: 4 Feb 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
PB126559ZHE#14

Tot Ion:117 Resp: 18562
Ion Ratio Lower Upper
117 100
119 4.9 76.5 114.7#
121 0.0 25.1 37.7#

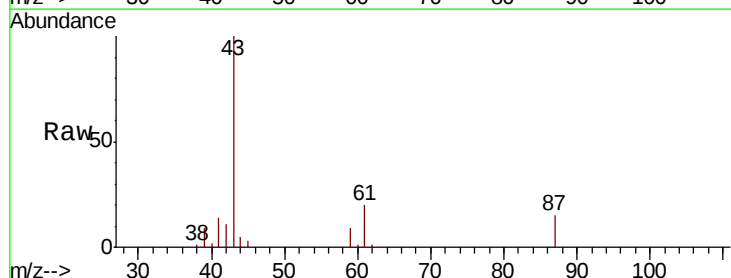


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

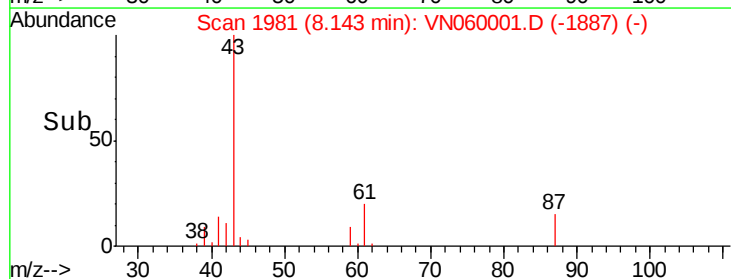
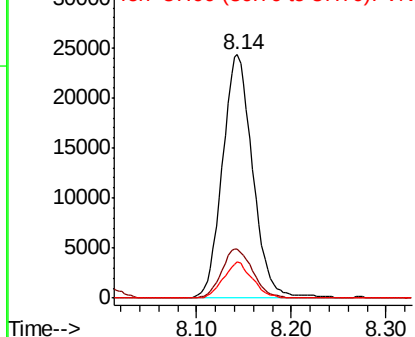


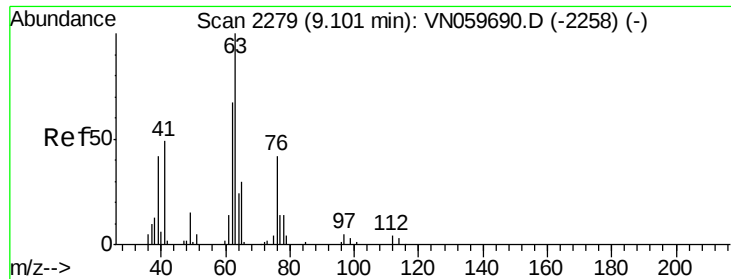
#43
Isopropyl Acetate
Concen: 12.297 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN060001.D
Acq: 4 Feb 2020 17:50

Tgt Ion: 43 Resp: 54003
Ion Ratio Lower Upper
43 100
61 20.6 20.2 30.2
87 14.0 9.5 14.3



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

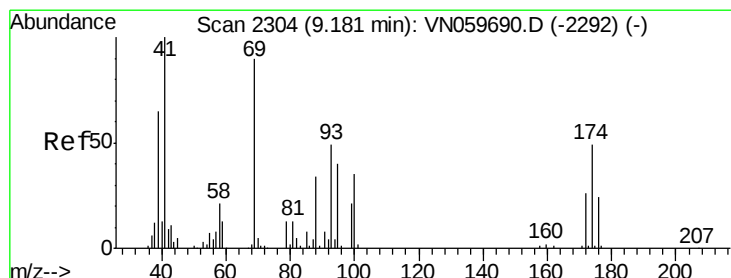
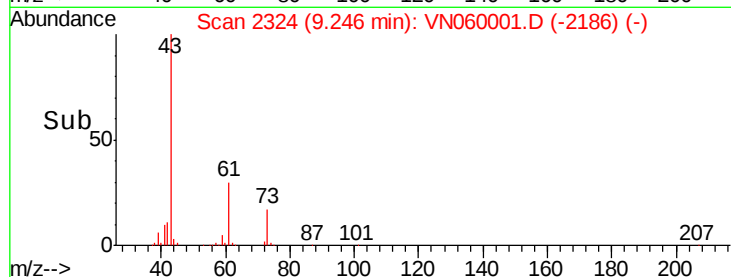
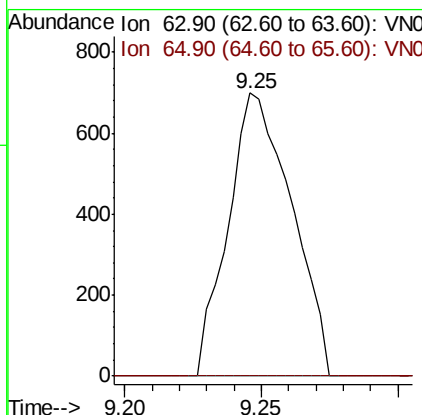
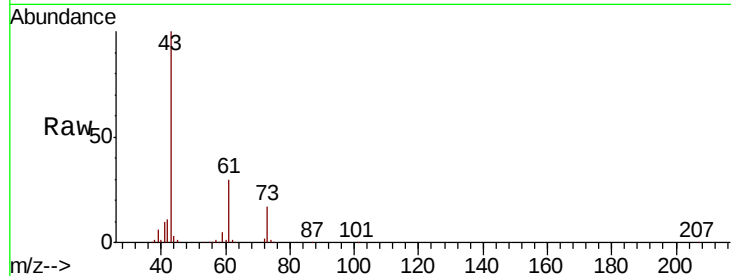




#45
 1,2-Dichloropropane
 Concen: 0.563 ug/l
 RT: 9.25 min Scan# 2324
 Delta R.T. 0.14 min
 Lab File: VN060001.D
 Acq: 4 Feb 2020 17:50

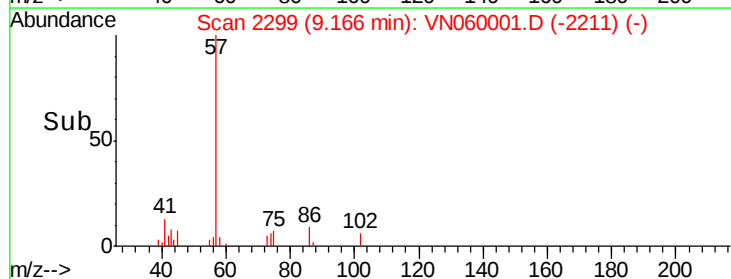
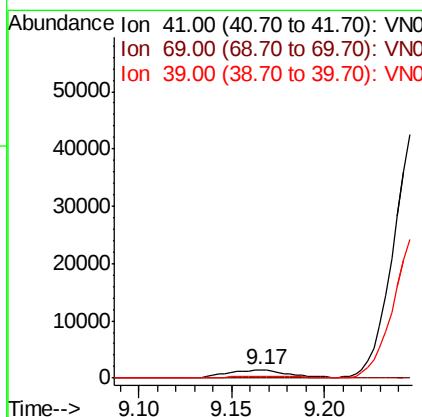
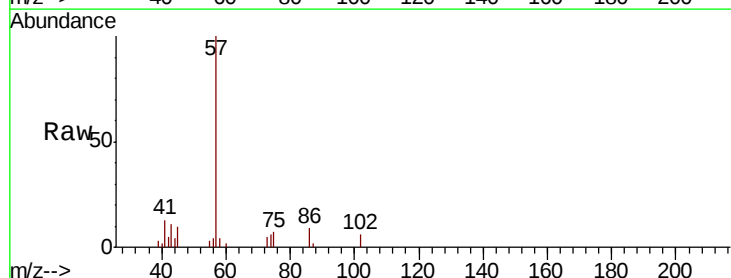
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126559ZHE#14

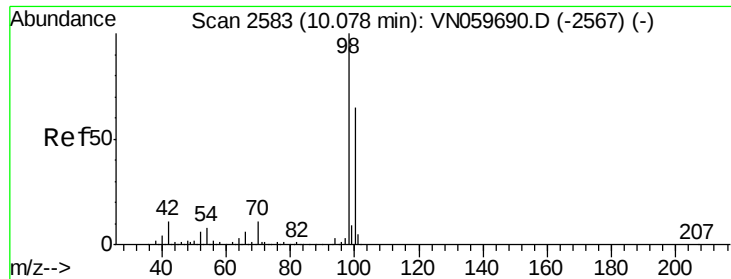
Tot Ion: 63 Resp: 1132
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.722 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: VN060001.D
 Acq: 4 Feb 2020 17:50

Tgt Ion: 41 Resp: 3382
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#





#50

Toluene-d8

Concen: 52.620 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060001.D

Acq: 4 Feb 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

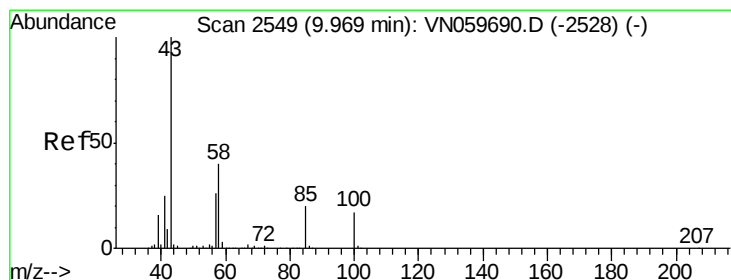
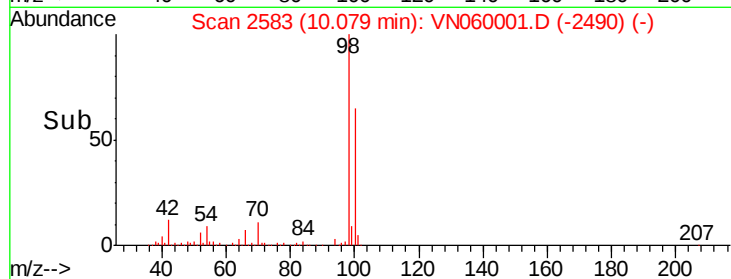
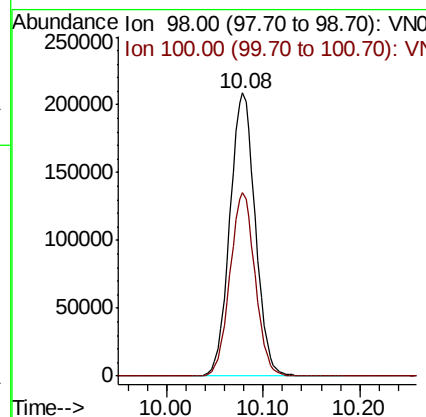
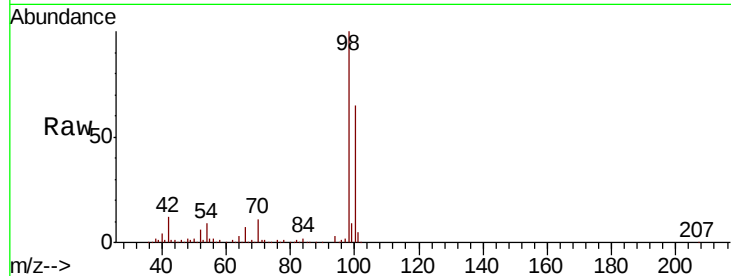
PB126559ZHE#14

Tot Ion: 98 Resp: 380060

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.342 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060001.D

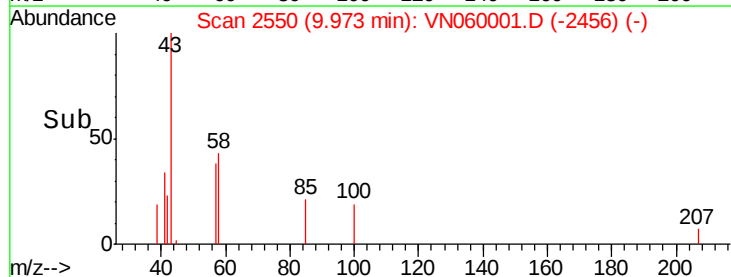
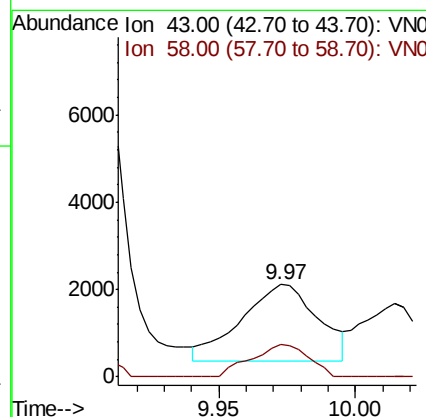
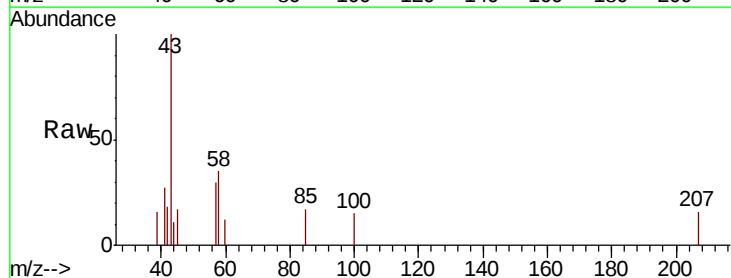
Acq: 4 Feb 2020 17:50

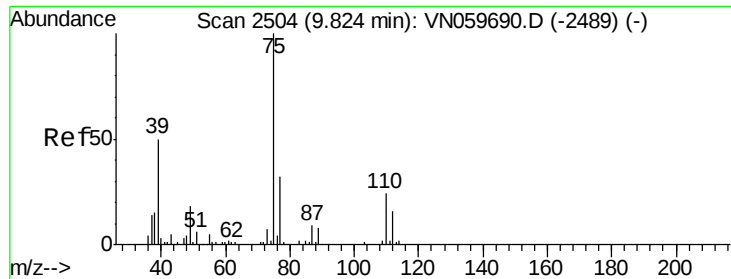
Tgt Ion: 43 Resp: 3406

Ion Ratio Lower Upper

43 100

58 31.7 29.8 44.8





#54

cis-1,3-Dichloropropene

Concen: 7.491 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060001.D

Acq: 4 Feb 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

PB126559ZHE#14

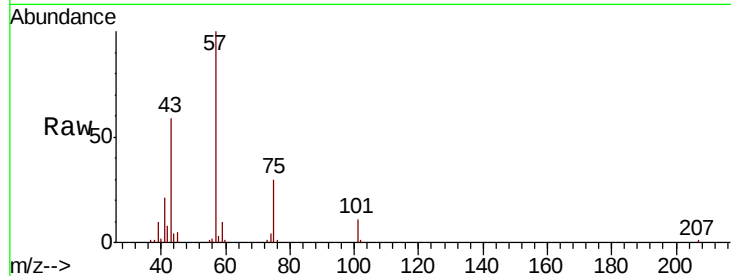
Tot Ion: 75 Resp: 25134

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

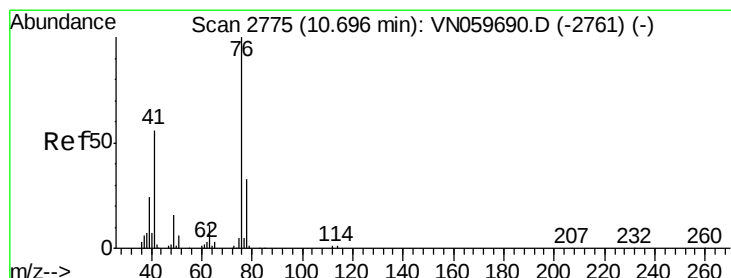
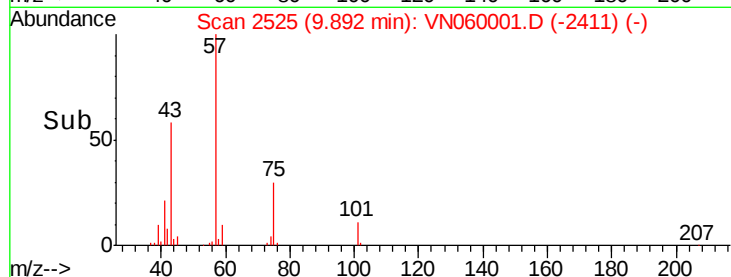
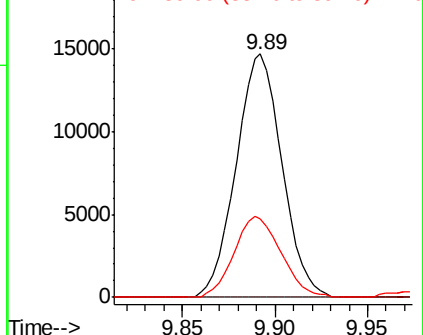
39 32.5 46.1 69.1#



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: 1.307 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060001.D

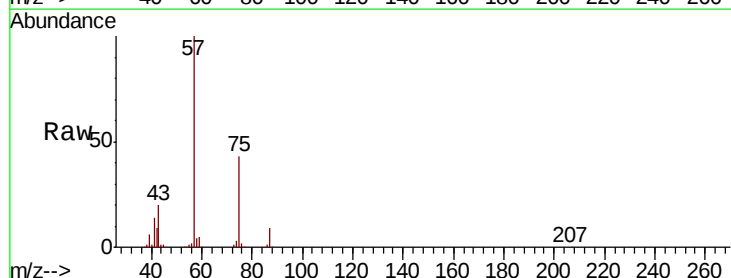
Acq: 4 Feb 2020 17:50

Tgt Ion: 76 Resp: 4216

Ion Ratio Lower Upper

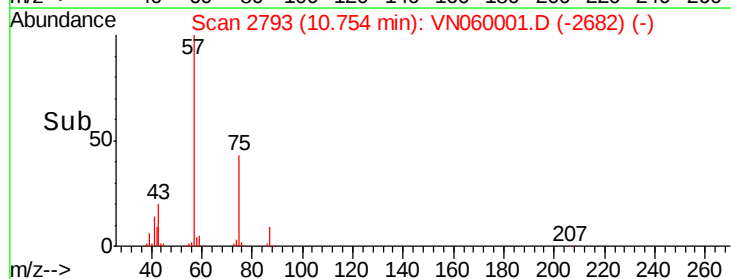
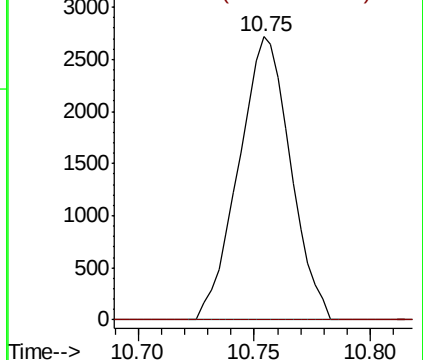
76 100

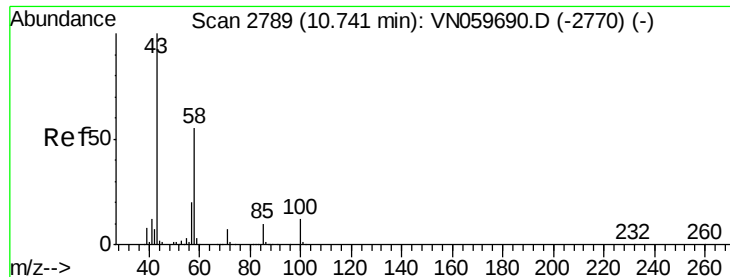
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

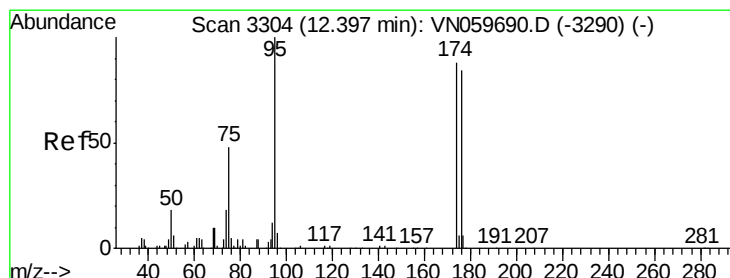
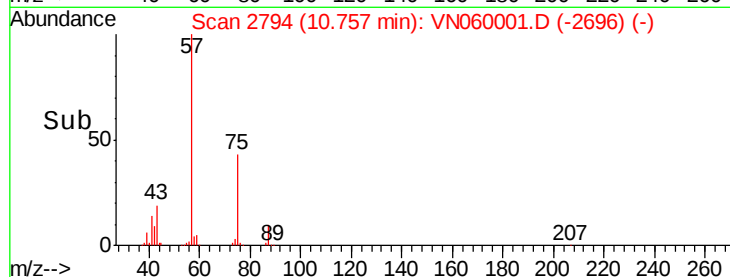
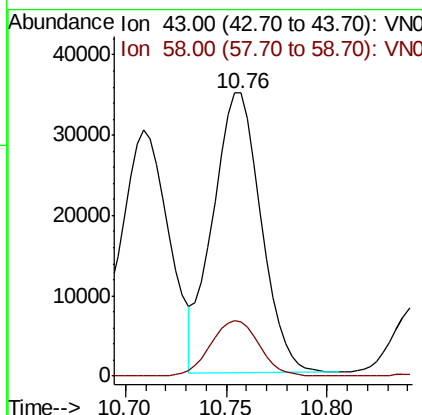
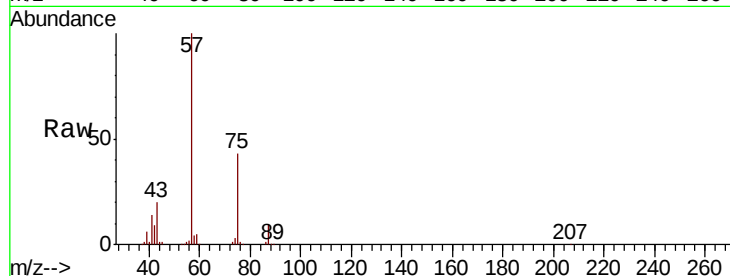




#59
2-Hexanone
Concen: 31.071 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.02 min
Lab File: VN060001.D
Acq: 4 Feb 2020 17:50

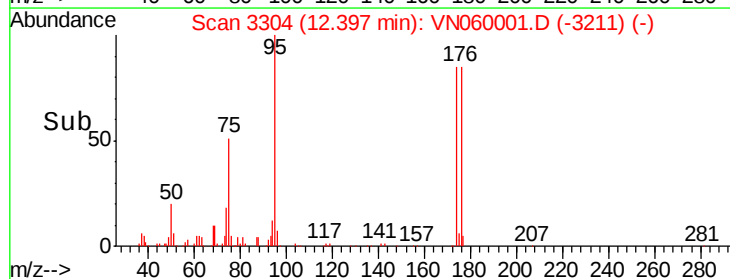
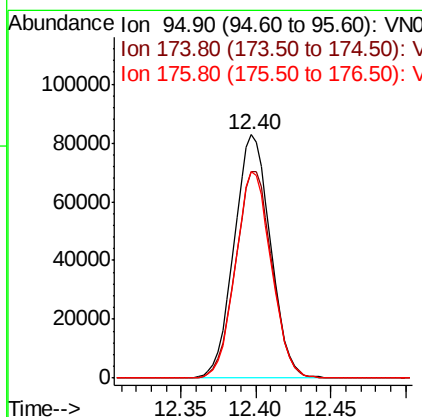
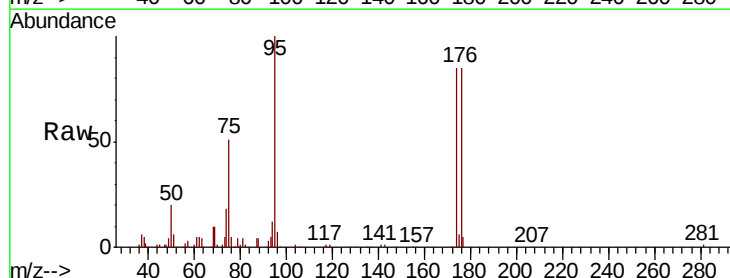
Instrument :
MSVOA_N
ClientSampleId :
PB126559ZHE#14

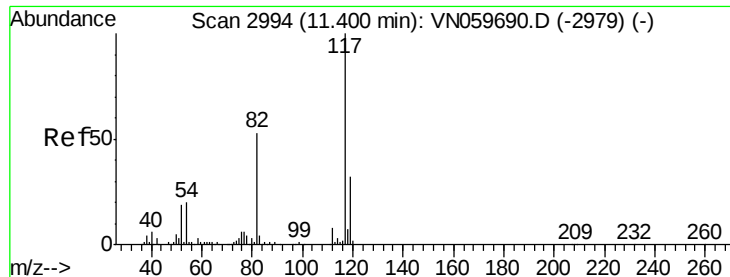
Tot Ion: 43 Resp: 58111
Ion Ratio Lower Upper
43 100
58 20.0 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 53.794 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060001.D
Acq: 4 Feb 2020 17:50

Tgt Ion: 95 Resp: 140070
Ion Ratio Lower Upper
95 100
174 85.1 0.0 151.4
176 83.5 0.0 146.0

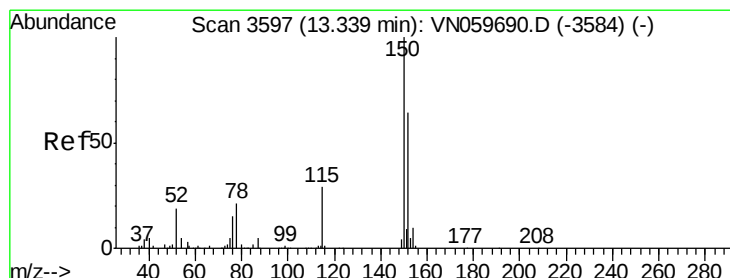
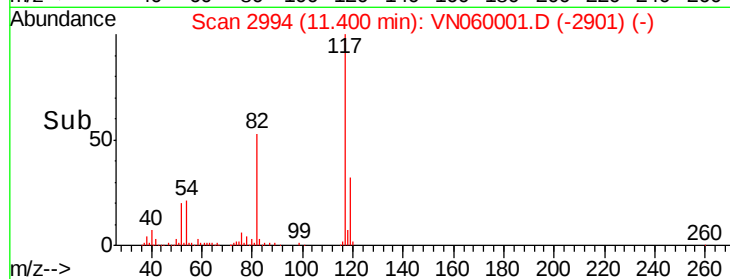
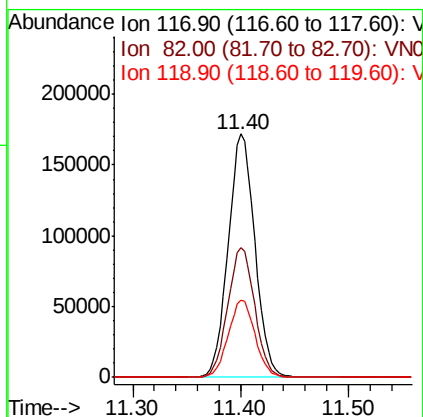
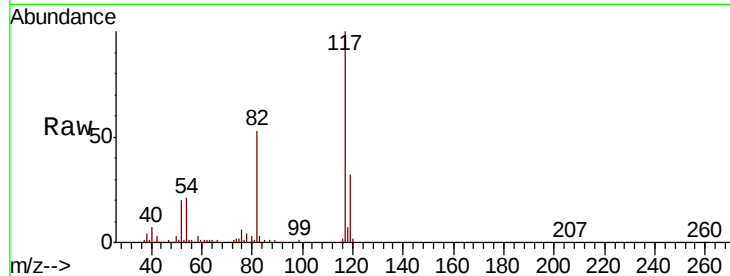




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060001.D
Acq: 4 Feb 2020 17:50

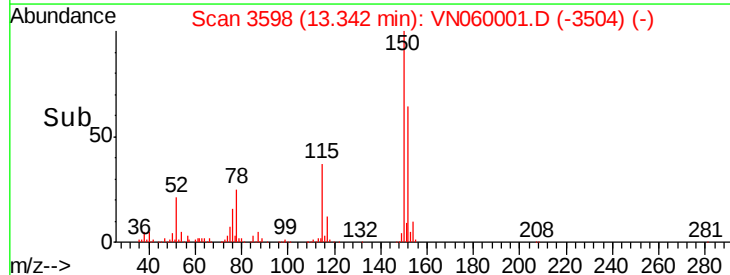
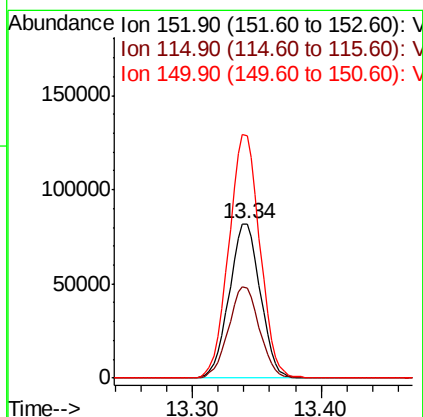
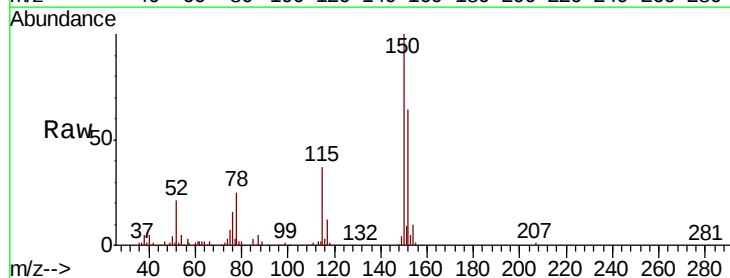
Instrument :
MSVOA_N
ClientSampleId :
PB126559ZHE#14

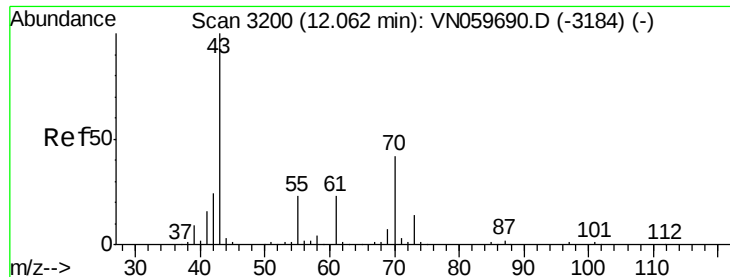
Tot Ion:117 Resp: 296509
Ion Ratio Lower Upper
117 100
82 53.5 45.9 68.9
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN060001.D
Acq: 4 Feb 2020 17:50

Tgt Ion:152 Resp: 137327
Ion Ratio Lower Upper
152 100
115 58.7 30.3 90.9
150 157.3 0.0 345.2





#74

N-amvl acetate

Concen: 0.759 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060001.D

Acq: 4 Feb 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

PB126559ZHE#14

Tot Ion: 43 Resp: 2966

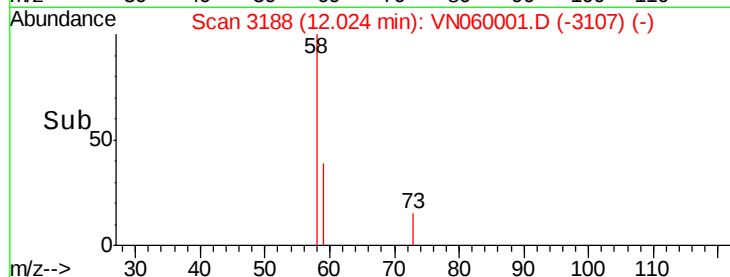
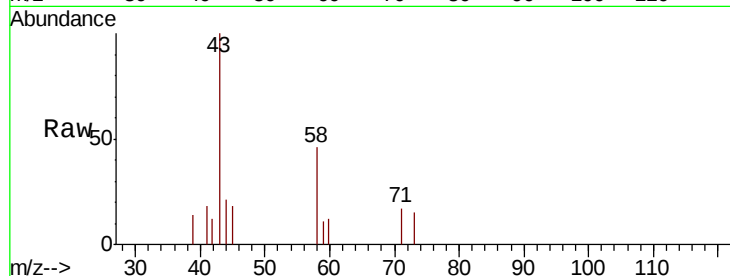
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

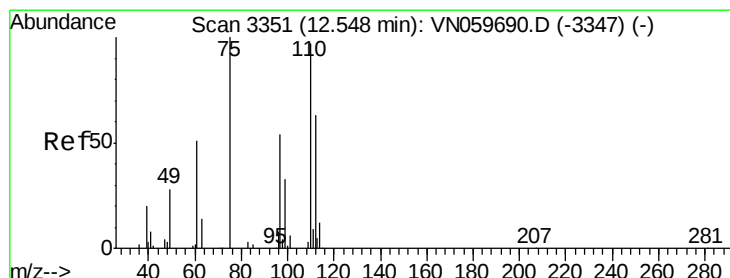
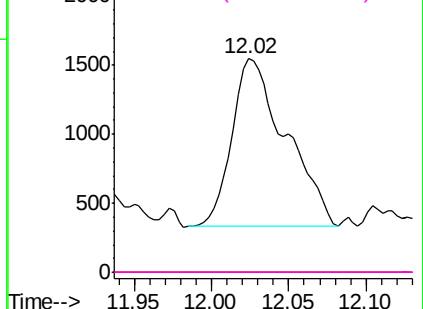


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 30.715 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060001.D

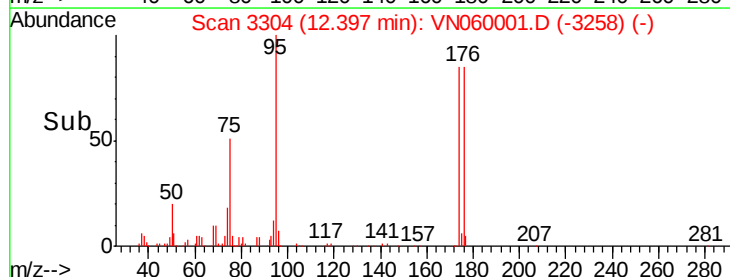
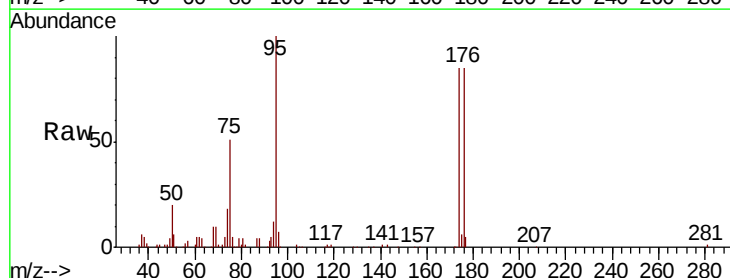
Acq: 4 Feb 2020 17:50

Tgt Ion: 75 Resp: 70984

Ion Ratio Lower Upper

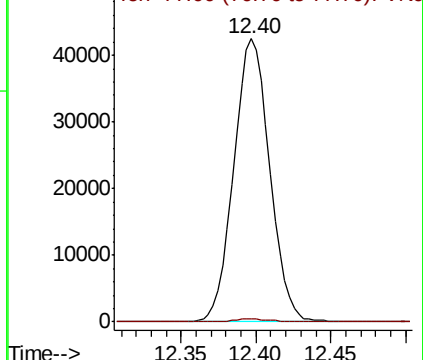
75 100

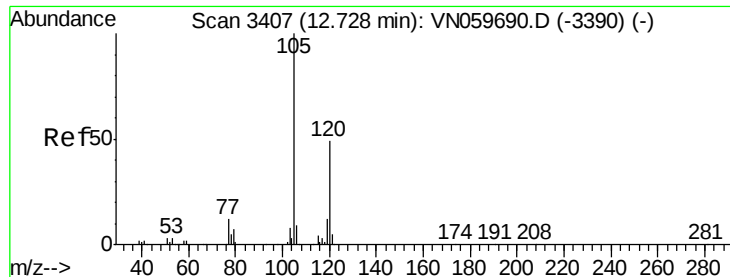
77 0.9 0.0 0.0#



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: 0.216 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060001.D

Acq: 4 Feb 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

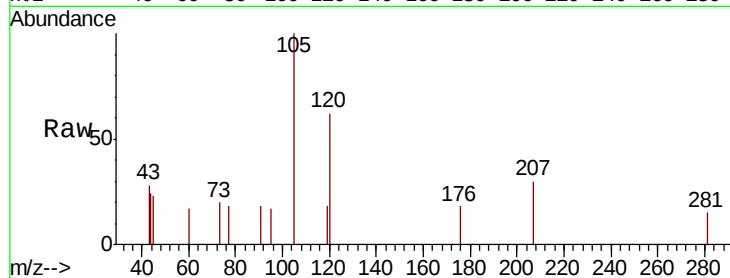
PB126559ZHE#14

Tot Ion:105 Resp: 1829

Ion Ratio Lower Upper

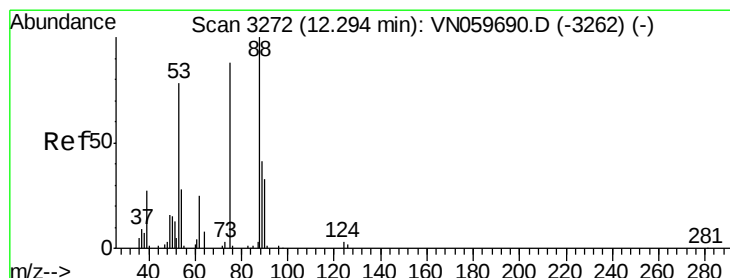
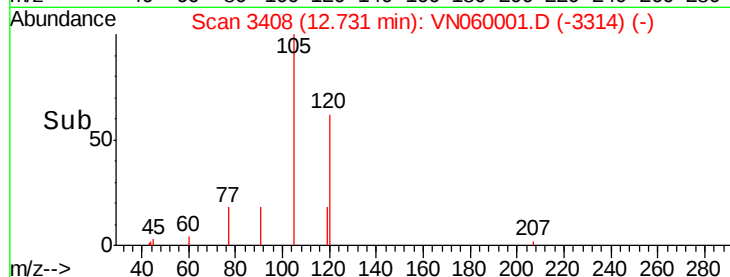
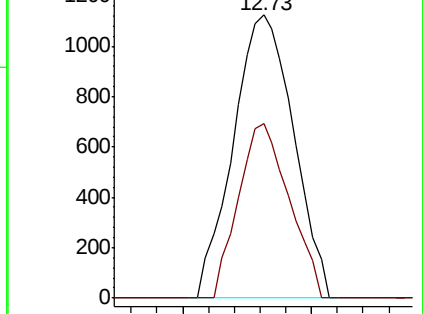
105 100

120 52.2 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: 65.960 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060001.D

Acq: 4 Feb 2020 17:50

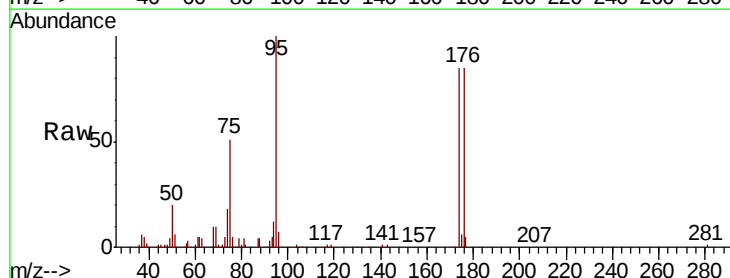
Tgt Ion: 75 Resp: 70984

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

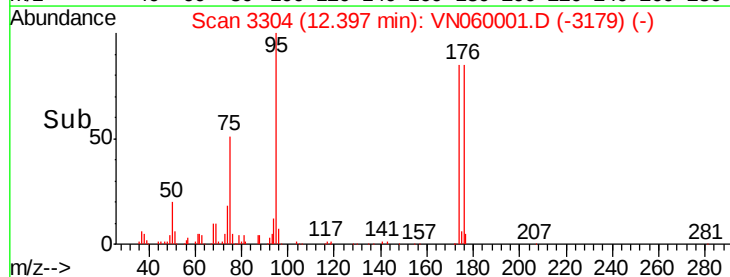
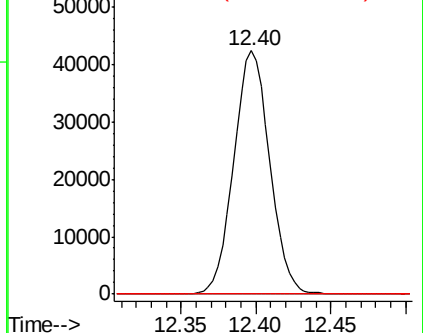
89 0.0 35.4 53.2#

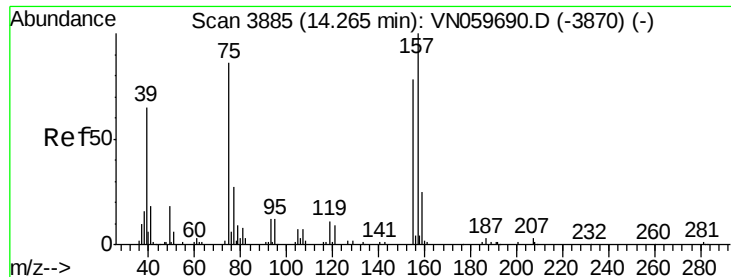


Abundance Ion 74.90 (74.60 to 75.60): VN0

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: VN060001.D

Acq: 4 Feb 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

PB126559ZHE#14

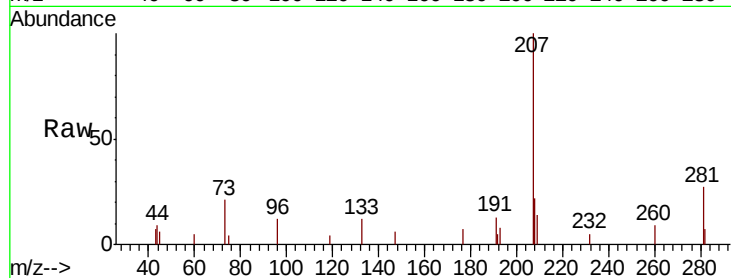
Tot Ion: 75 Resp: 60

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): VN060001.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060001.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060001.D (-3791) (-)

