

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060424.D
 Acq On : 10 Mar 2020 18:02
 Operator : JC/MD
 Sample : PB127392ZHE#19
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#19

Quant Time: Mar 11 06:42:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	205744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	336721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	319859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148381	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	132440	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	7.57	113	98954	63.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.62%	
50) Toluene-d8	10.08	98	420307	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.40	95	156800	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

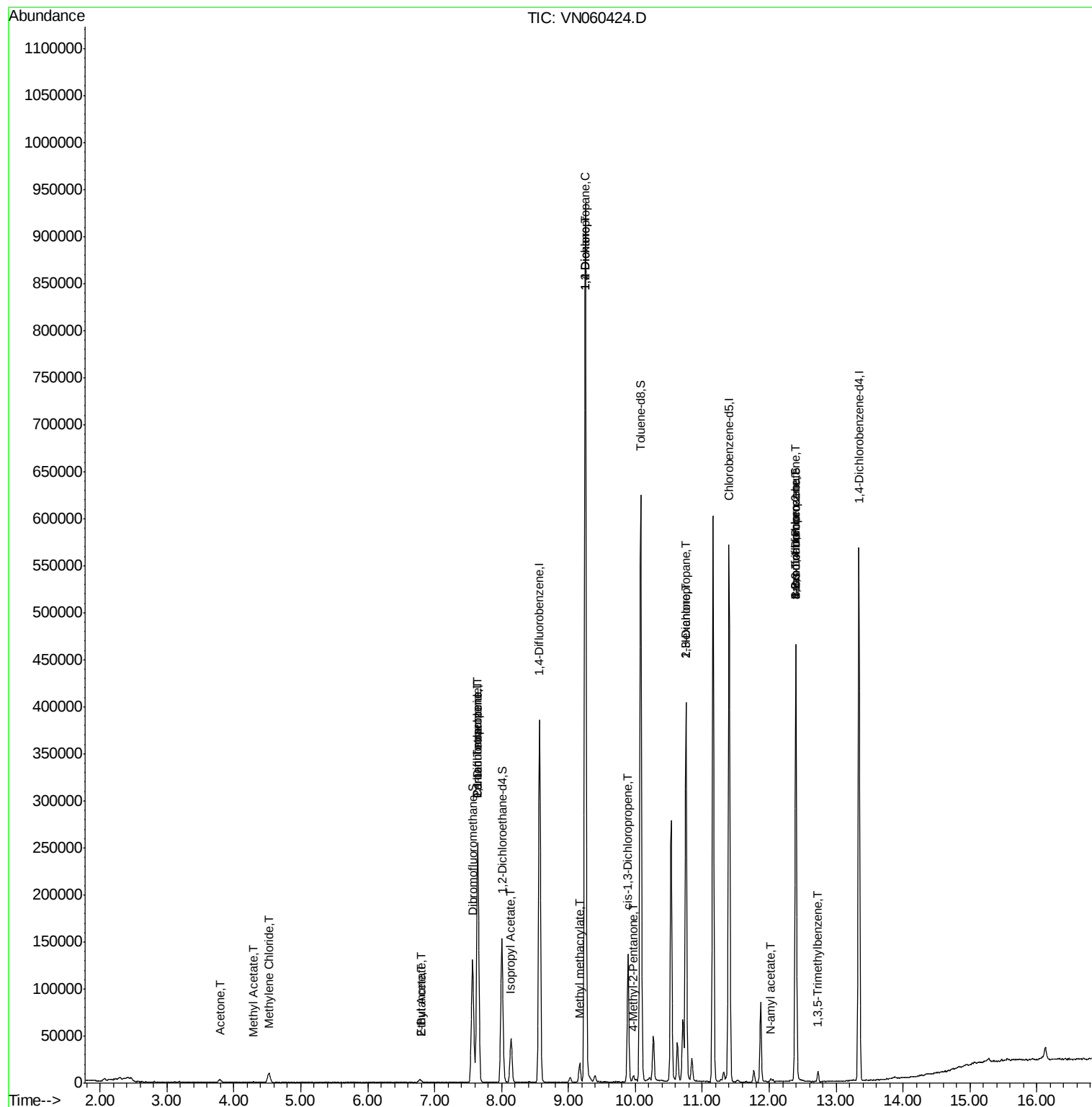
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6666	7.820	ug/l	99
18) Methyl Acetate	4.29	43	1643	0.578	ug/l #	52
20) Methylene Chloride	4.53	84	7445	3.180	ug/l	97
25) 2-Butanone	6.81	43	1360	0.988	ug/l #	49
31) Cyclohexane	7.64	56	4323	Below Cal	#	10
36) 1,1-Dichloropropene	7.64	75	16118	5.023	ug/l #	49
37) Ethyl Acetate	6.81	43	1360	0.448	ug/l #	68
38) Carbon Tetrachloride	7.65	117	19645	6.287	ug/l #	16
43) Isopropyl Acetate	8.14	43	56352	10.593	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1178	0.482	ug/l #	44
48) Methyl methacrylate	9.16	41	2737	1.128	ug/l #	13
49) 1,4-Dioxane	9.25	88	30	0.879	ug/l #	1
51) 4-Methyl-2-Pentanone	9.97	43	4524	1.500	ug/l	93
54) cis-1,3-Dichloropropene	9.89	75	24062	5.880	ug/l #	58
57) 1,3-Dichloropropane	10.76	76	3939	1.024	ug/l #	42
59) 2-Hexanone	10.75	43	59552	26.892	ug/l #	53
71) Bromoform	12.40	173	462	0.268	ug/l #	1
74) N-amyl acetate	12.02	43	2284	0.475	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	79296	24.358	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6009	0.649	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	79296	67.239	ug/l #	8

(#) = 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: VN060424.D

Acq: 10 Mar 2020 18:02

Instrument :

MSVOA_N

ClientSampleId :

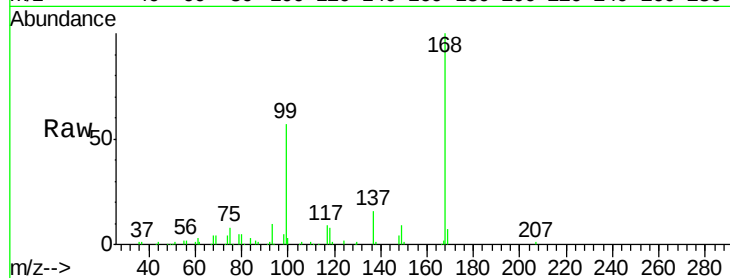
PB127392ZHE#19

Tgt Ion:168 Resp: 205744

Ion Ratio Lower Upper

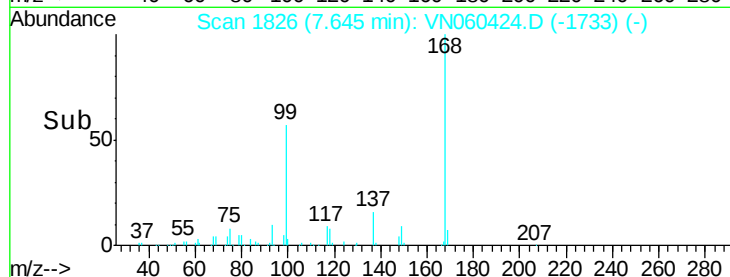
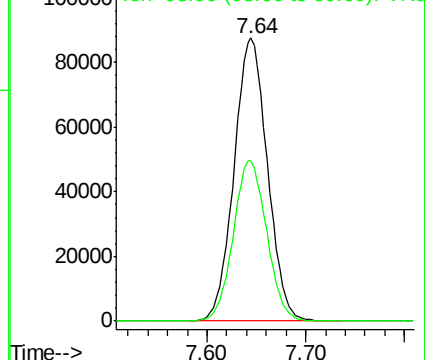
168 100

99 56.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 7.820 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060424.D

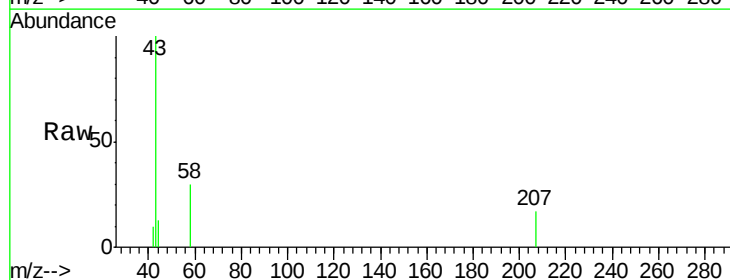
Acq: 10 Mar 2020 18:02

Tgt Ion: 43 Resp: 6666

Ion Ratio Lower Upper

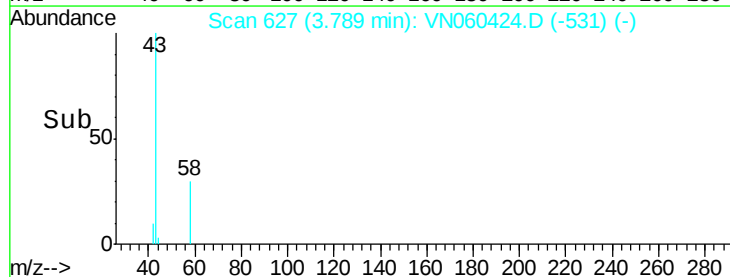
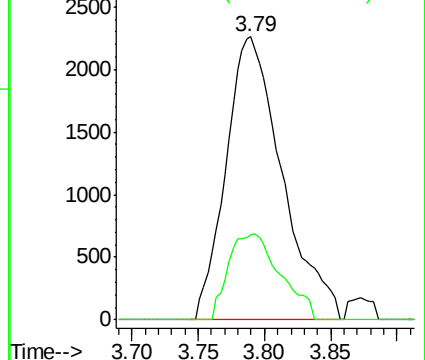
43 100

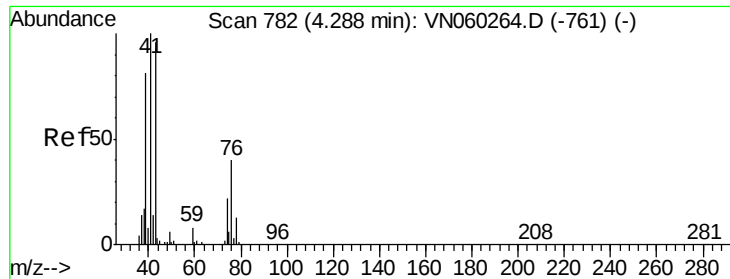
58 30.2 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

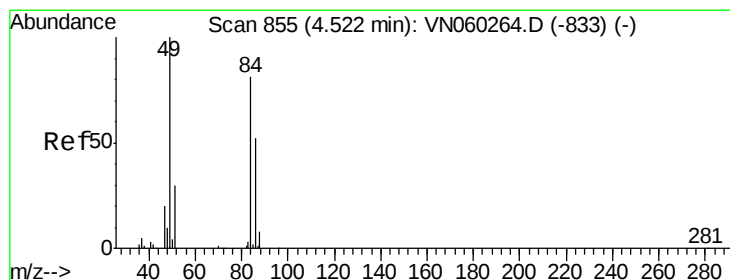
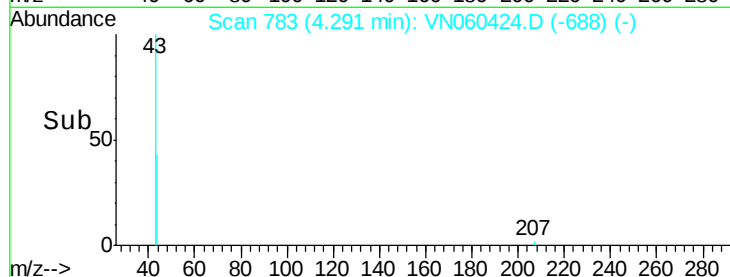
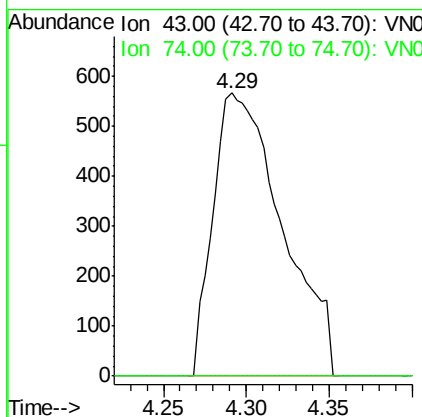
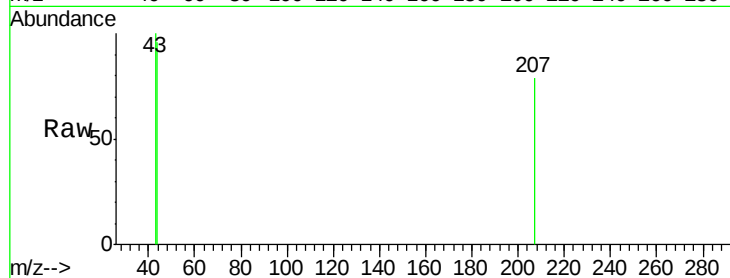




#18
Methyl Acetate
Concen: 0.578 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060424.D
Acq: 10 Mar 2020 18:02

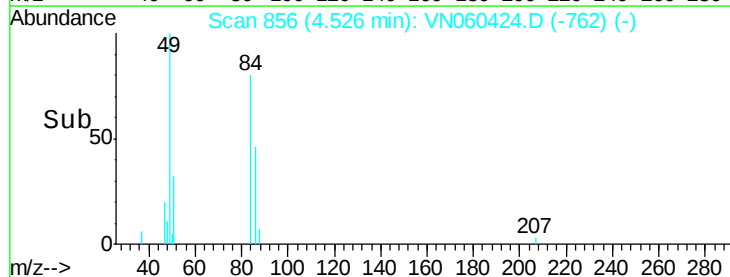
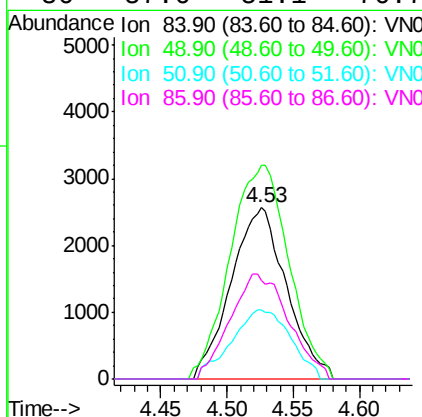
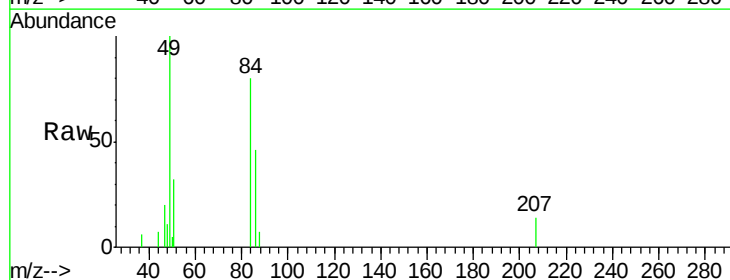
Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#19

Tgt Ion: 43 Resp: 1643
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 3.180 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060424.D
Acq: 10 Mar 2020 18:02

Tgt Ion: 84 Resp: 7445
Ion Ratio Lower Upper
84 100
49 124.8 99.3 148.9
51 40.1 30.1 45.1
86 57.6 51.1 76.7

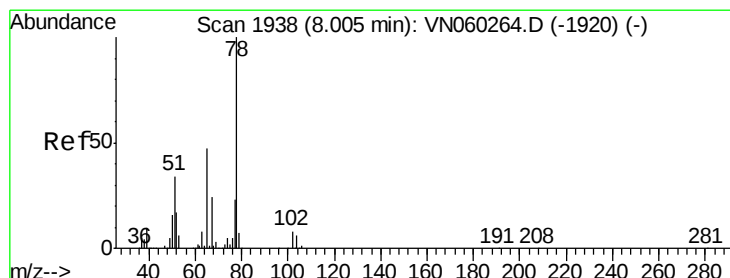
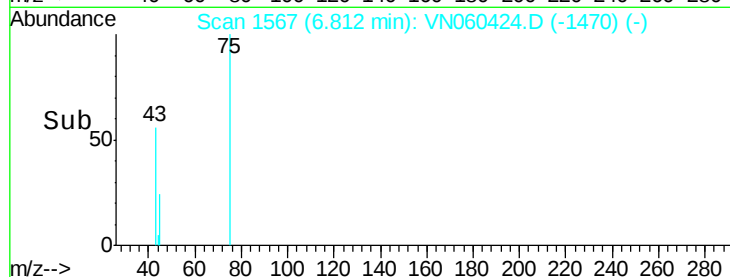
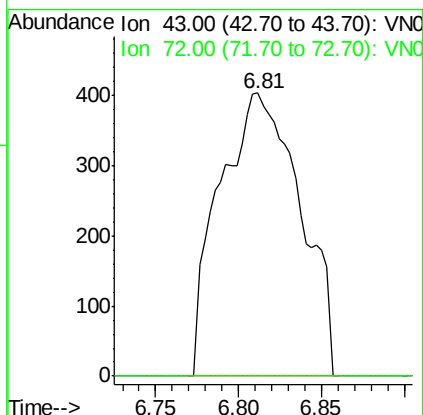
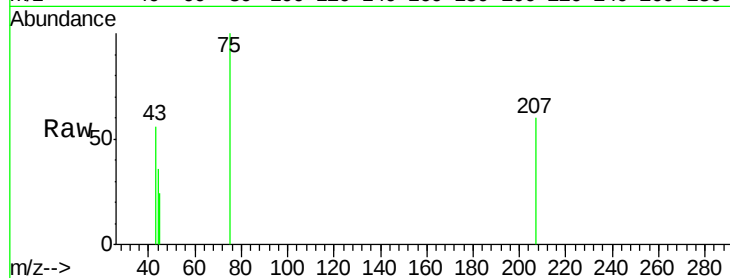




#25
 2-Butanone
 Concen: 0.988 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN060424.D
 Acq: 10 Mar 2020 18:02

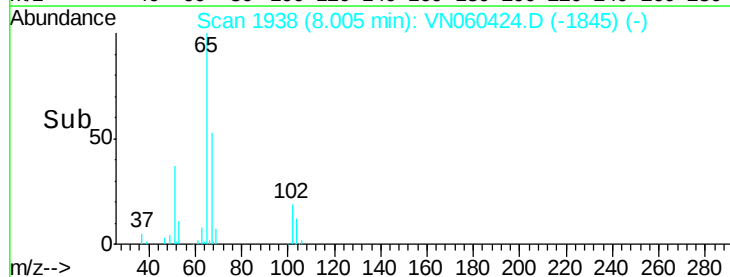
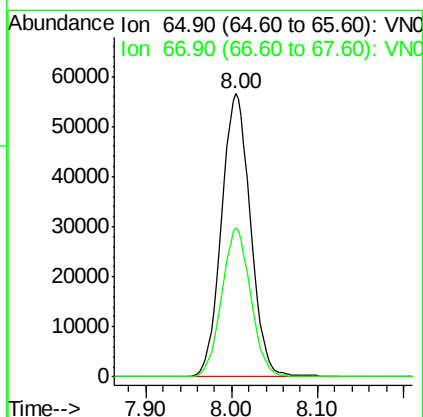
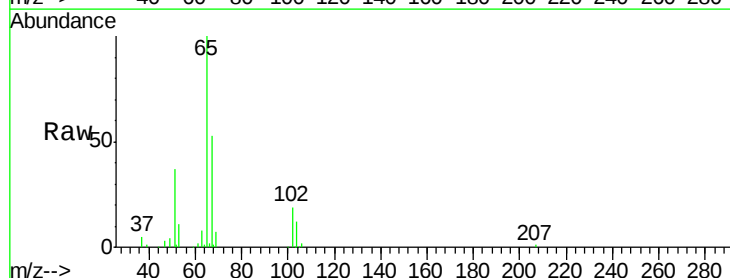
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#19

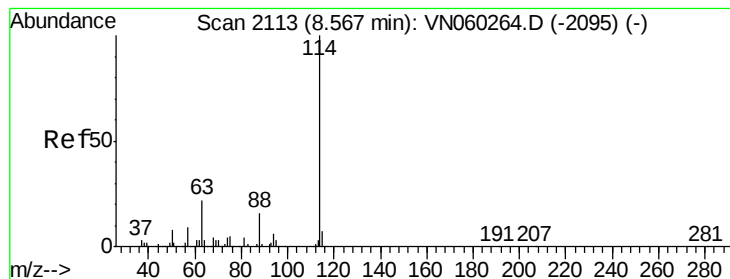
Tgt Ion: 43 Resp: 1360
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 50.172 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060424.D
 Acq: 10 Mar 2020 18:02

Tgt Ion: 65 Resp: 132440
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060424.D

Acq: 10 Mar 2020 18:02

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#19

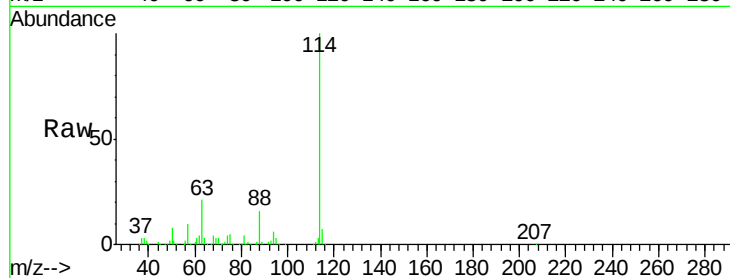
Tgt Ion:114 Resp: 336721

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

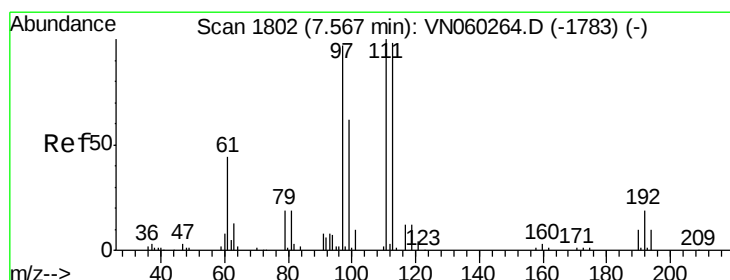
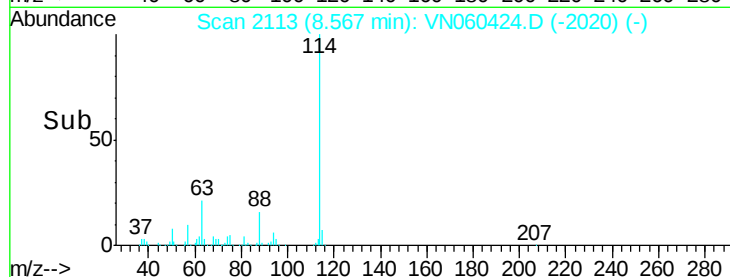
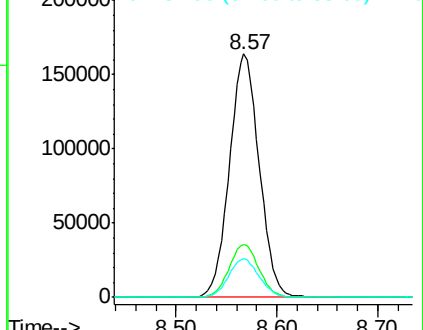
88 15.8 0.0 31.6



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: 63.312 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060424.D

Acq: 10 Mar 2020 18:02

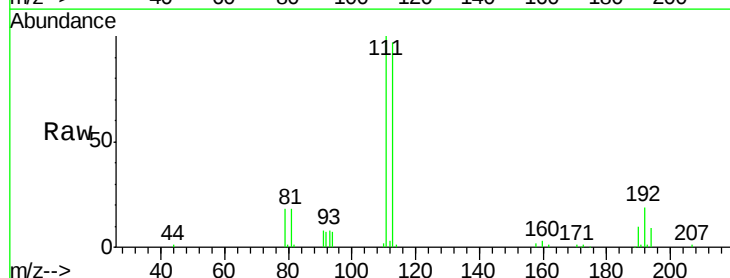
Tgt Ion:113 Resp: 98954

Ion Ratio Lower Upper

113 100

111 104.2 82.4 123.6

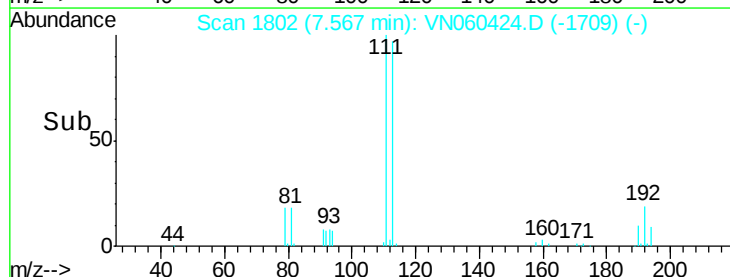
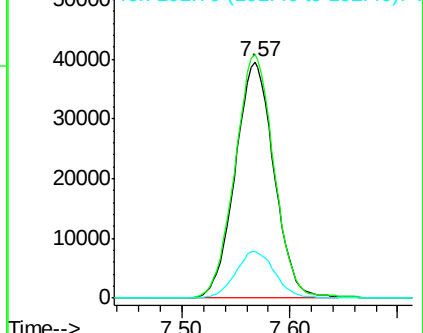
192 20.0 16.2 24.2

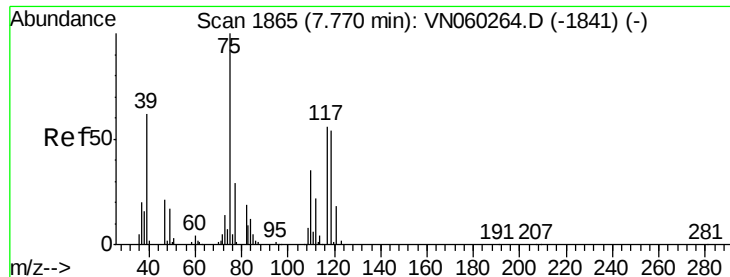


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.023 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060424.D

Acq: 10 Mar 2020 18:02

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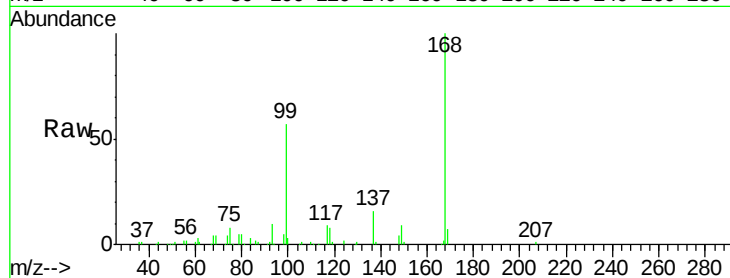
Tgt Ion: 75 Resp: 16118

Ion Ratio Lower Upper

75 100

110 7.7 17.3 52.0#

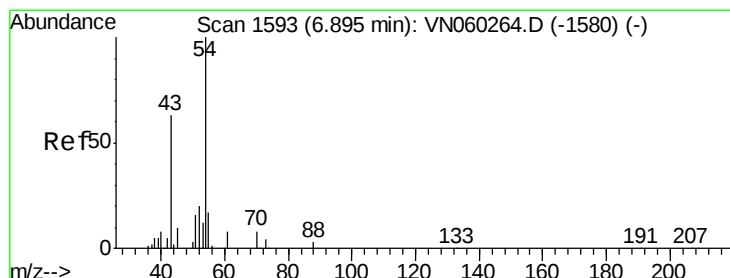
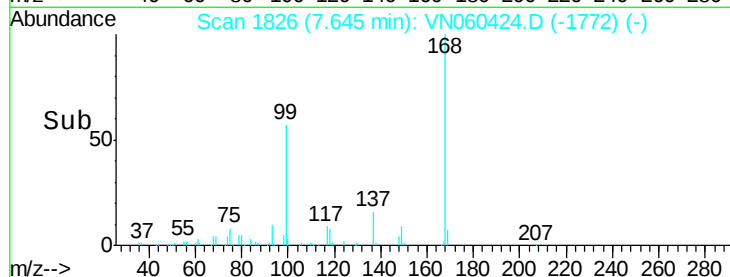
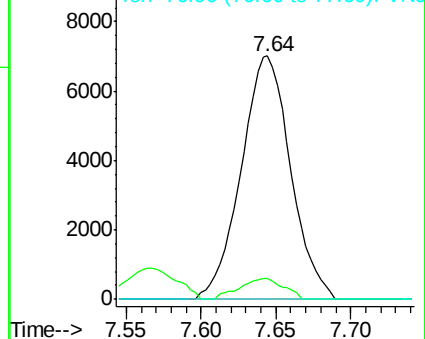
77 0.0 24.2 36.2#



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: 0.448 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.08 min

Lab File: VN060424.D

Acq: 10 Mar 2020 18:02

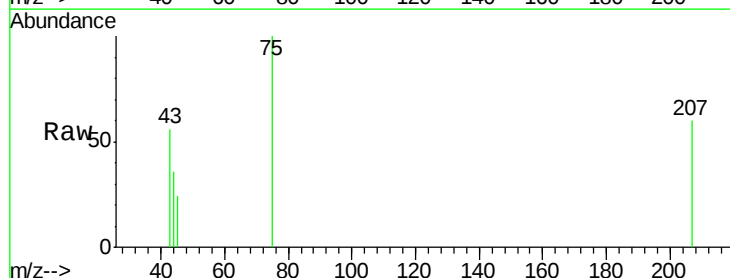
Tgt Ion: 43 Resp: 1360

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

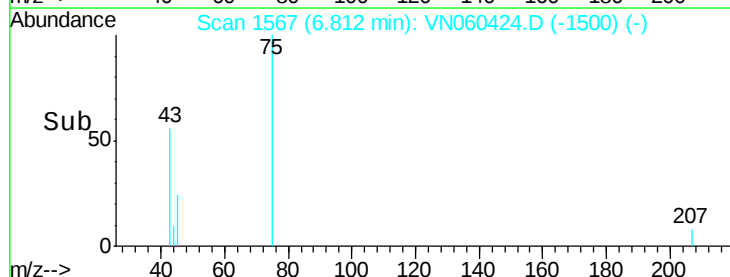
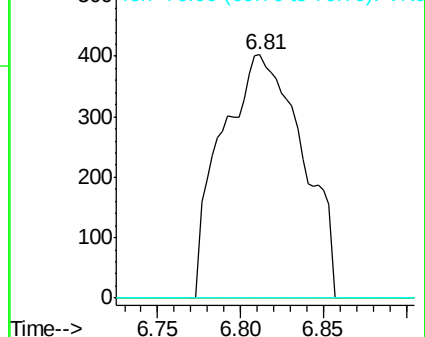
70 0.0 8.4 12.6#

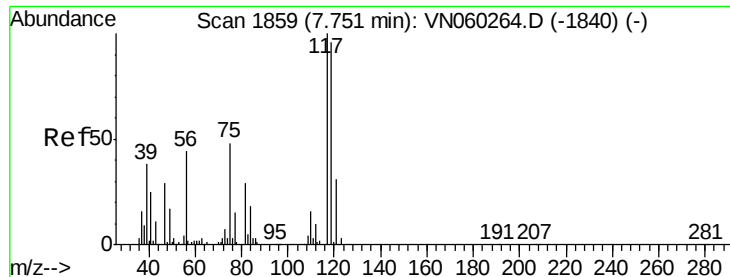


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 6.287 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.10 min

Lab File: VN060424.D

Acq: 10 Mar 2020 18:02

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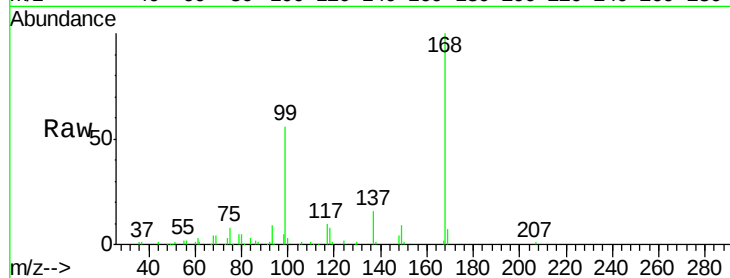
Tgt Ion:117 Resp: 19645

Ion Ratio Lower Upper

117 100

119 5.7 76.7 115.1#

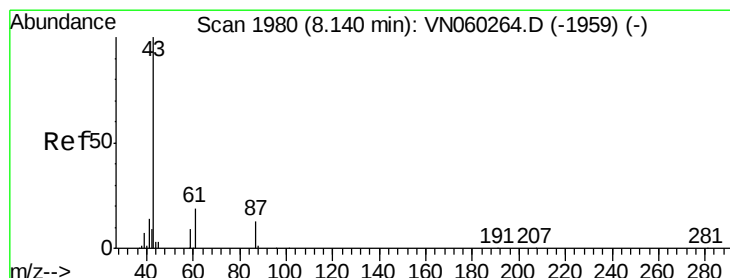
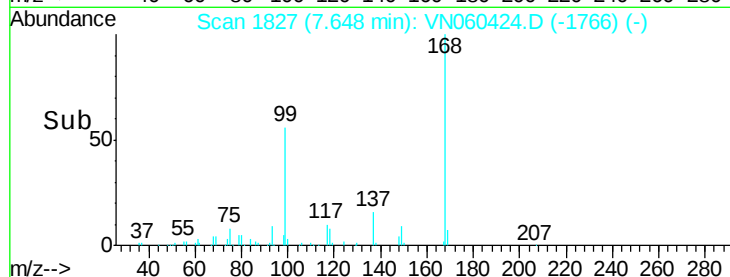
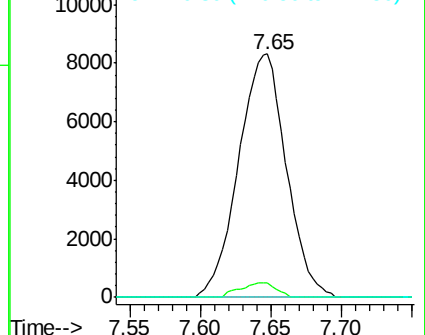
121 0.0 24.5 36.7#



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: 10.593 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060424.D

Acq: 10 Mar 2020 18:02

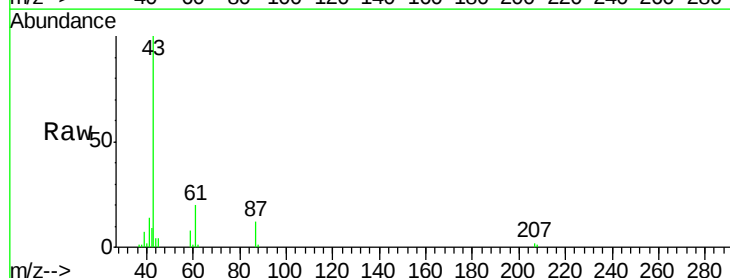
Tgt Ion: 43 Resp: 56352

Ion Ratio Lower Upper

43 100

61 19.4 20.9 31.3#

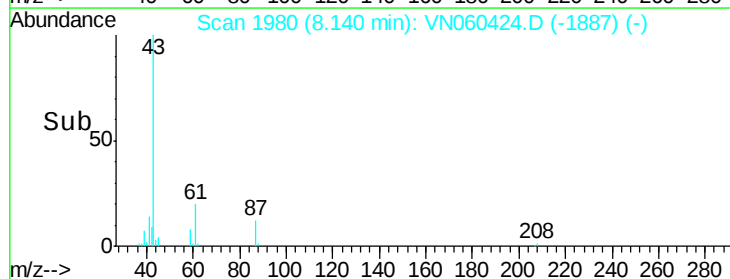
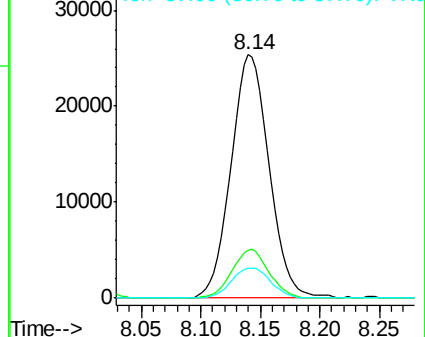
87 12.5 10.6 16.0

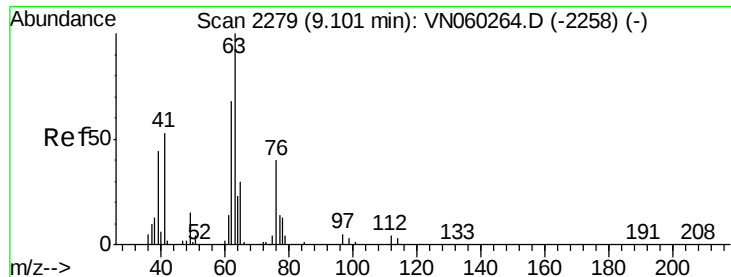


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.482 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060424.D

Acq: 10 Mar 2020 18:02

Instrument :

MSVOA_N

ClientSampleId :

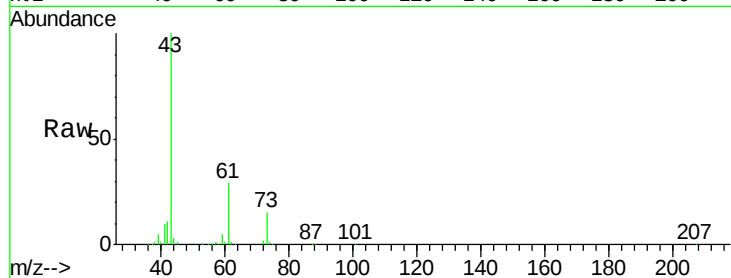
PB127392ZHE#19

Tgt Ion: 63 Resp: 1178

Ion Ratio Lower Upper

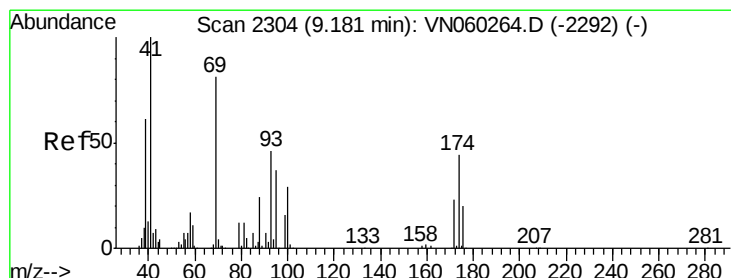
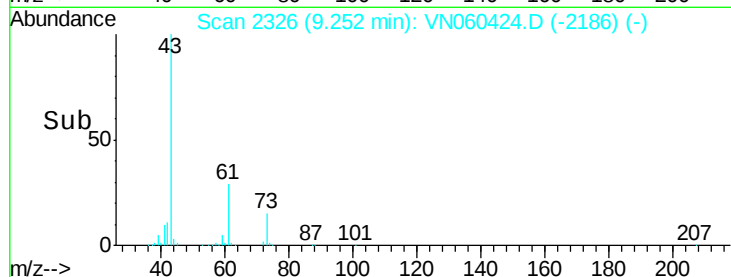
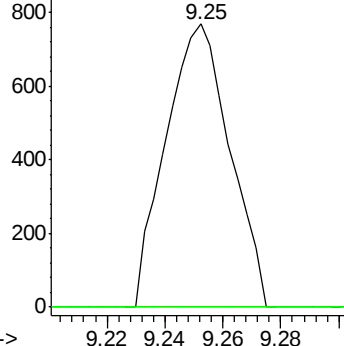
63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.128 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060424.D

Acq: 10 Mar 2020 18:02

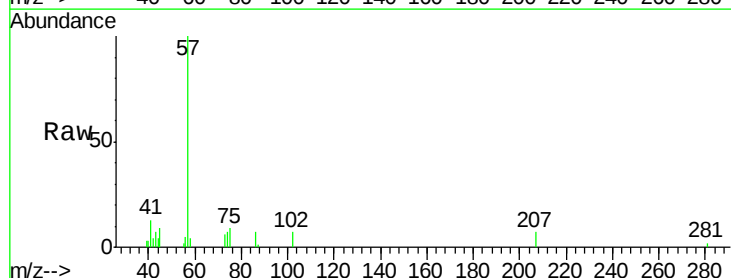
Tgt Ion: 41 Resp: 2737

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

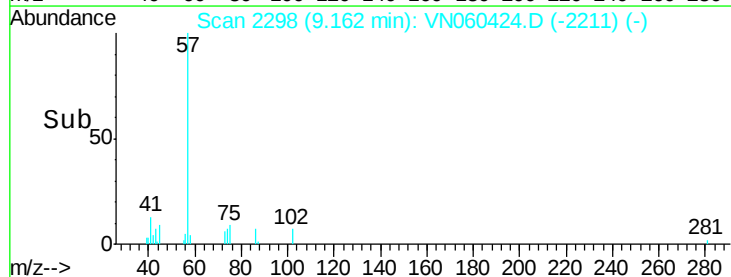
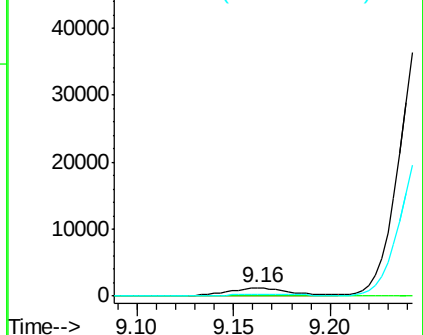
39 0.0 50.1 75.1#

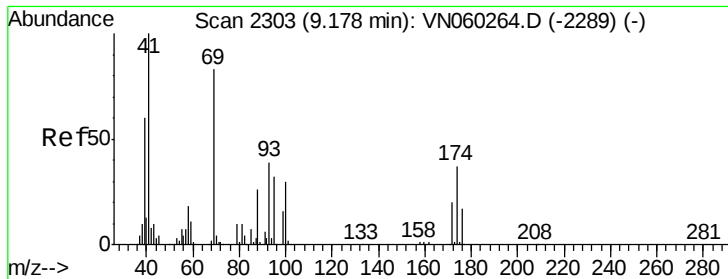


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 0.879 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.07 min

Lab File: VN060424.D

Acq: 10 Mar 2020 18:02

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#19

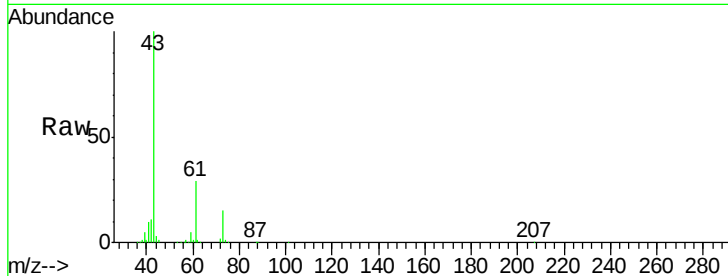
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 3094536.7 30.4 45.6#

58 11660.0 57.0 85.6#



Abundance Ion 88.00 (87.70 to 88.70): VN060424.D (-2210) (-)

Ion 43.00 (42.70 to 43.70): VN060424.D (-2210) (-)

Ion 58.00 (57.70 to 58.70): VN060424.D (-2210) (-)

600000

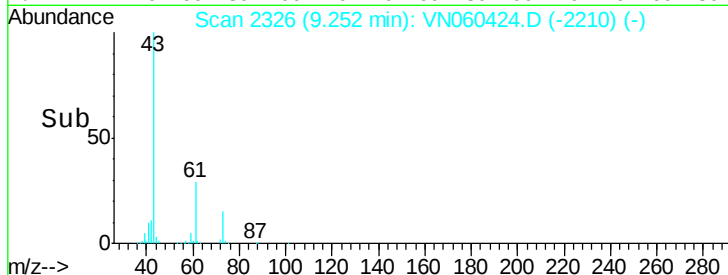
400000

200000

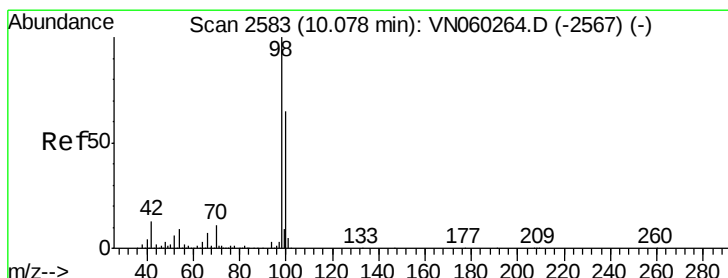
0

9.24 9.24 9.25 9.26 9.26

9.25



Time-->



#50

Toluene-d8

Concen: 53.134 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060424.D

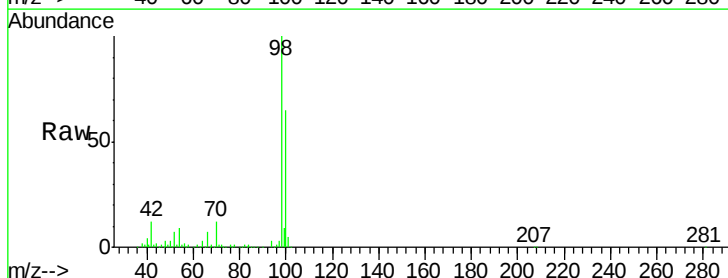
Acq: 10 Mar 2020 18:02

Tgt Ion: 98 Resp: 420307

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060424.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060424.D (-2490) (-)

250000

200000

150000

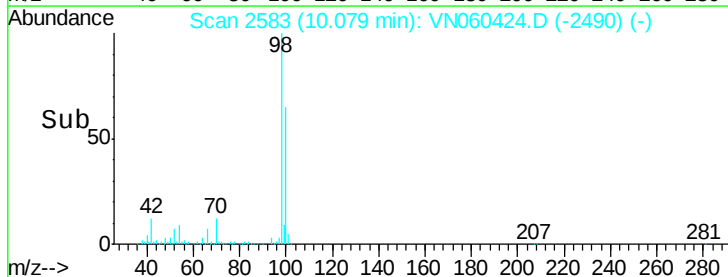
100000

50000

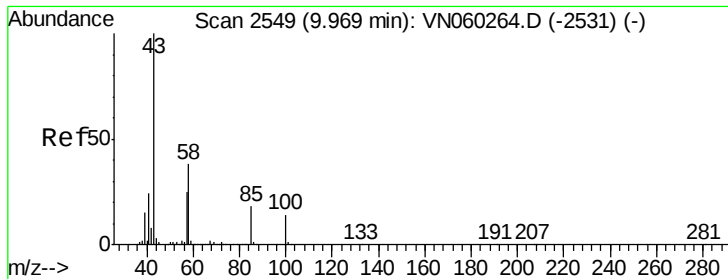
0

10.00 10.00 10.10 10.20 10.20

10.08



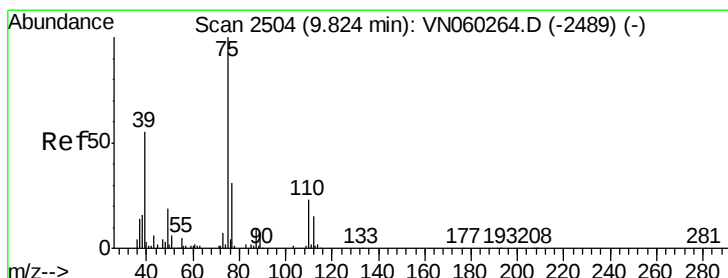
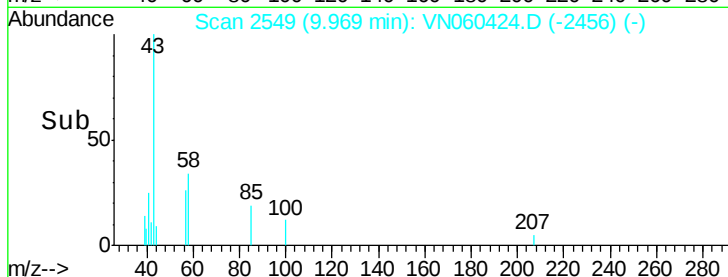
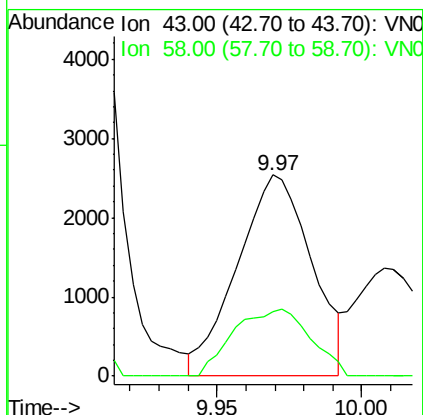
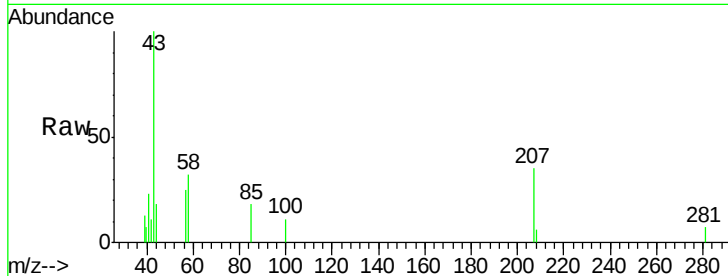
Time-->



#51
 4-Methyl-2-Pentanone
 Concen: 1.500 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060424.D
 Acq: 10 Mar 2020 18:02

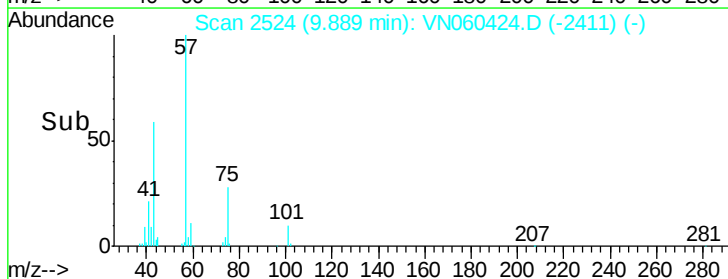
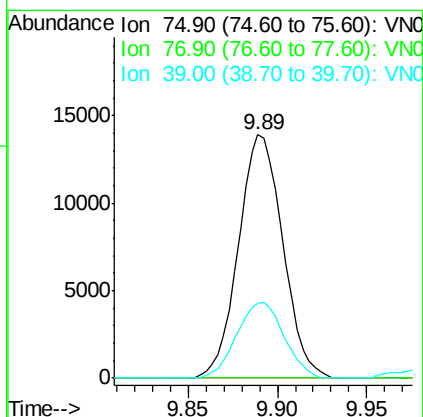
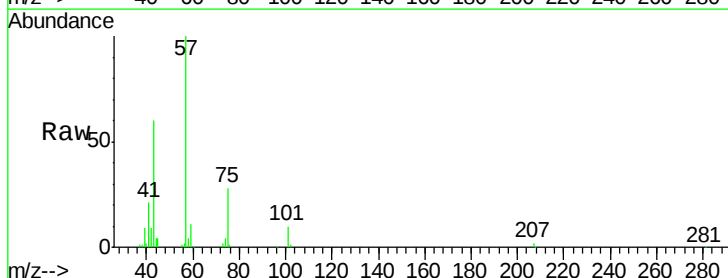
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#19

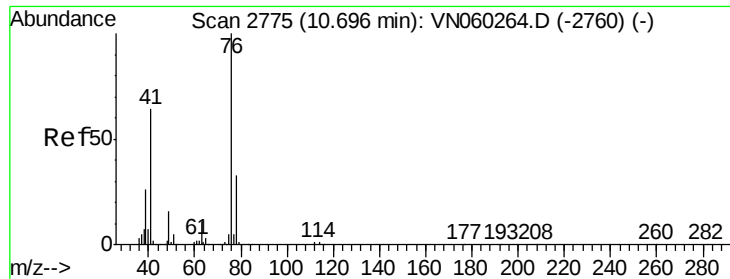
Tgt Ion: 43 Resp: 4524
 Ion Ratio Lower Upper
 43 100
 58 34.5 30.9 46.3



#54
 cis-1,3-Dichloropropene
 Concen: 5.880 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060424.D
 Acq: 10 Mar 2020 18:02

Tgt Ion: 75 Resp: 24062
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 30.9 43.8 65.8#

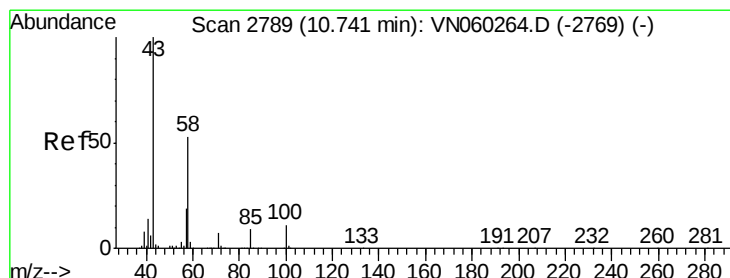
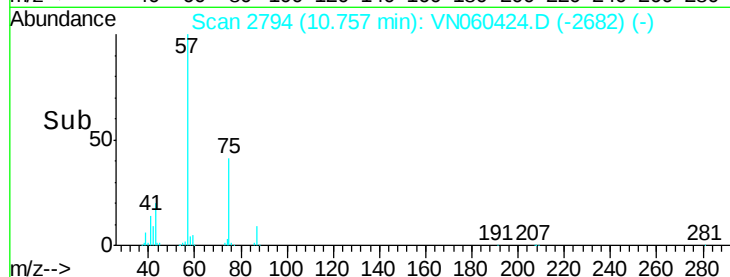
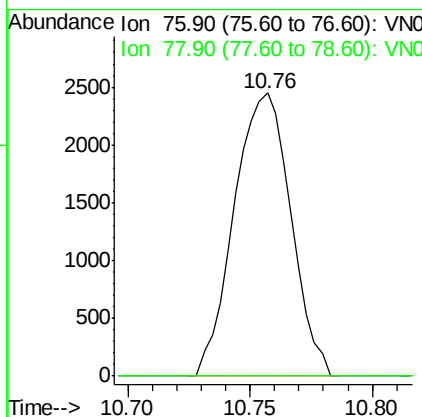
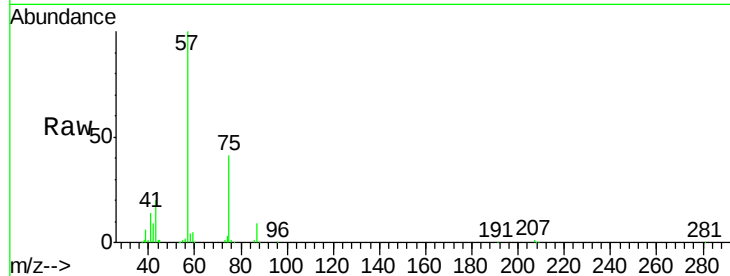




#57
 1,3-Dichloropropane
 Concen: 1.024 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN060424.D
 Acq: 10 Mar 2020 18:02

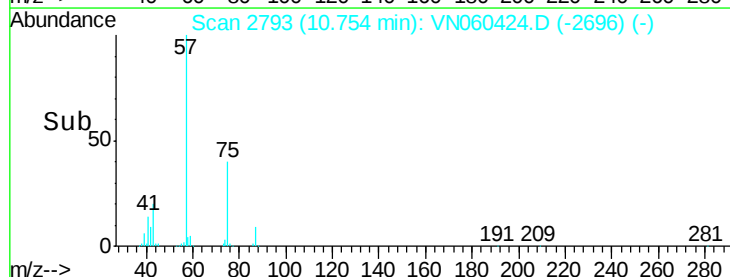
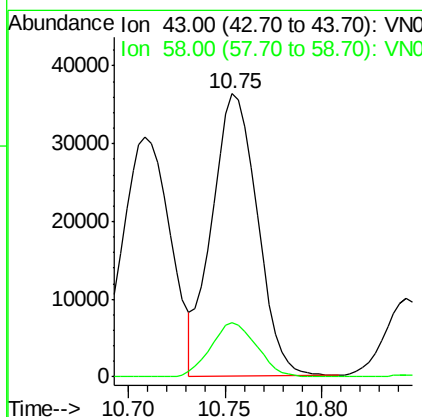
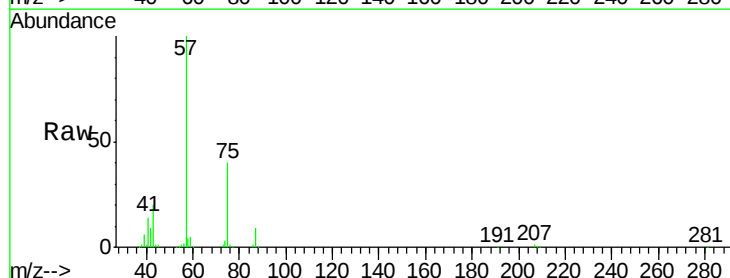
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#19

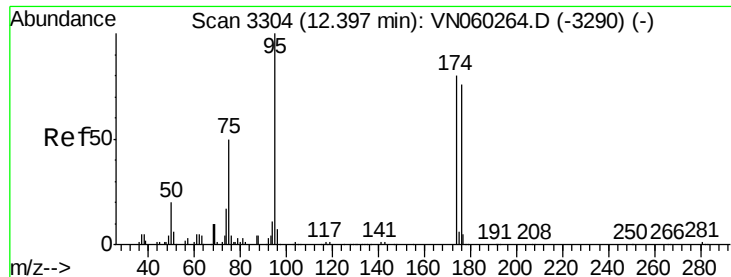
Tgt Ion: 76 Resp: 3939
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 26.892 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060424.D
 Acq: 10 Mar 2020 18:02

Tgt Ion: 43 Resp: 59552
 Ion Ratio Lower Upper
 43 100
 58 19.3 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 52.291 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060424.D

Acq: 10 Mar 2020 18:02

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#19

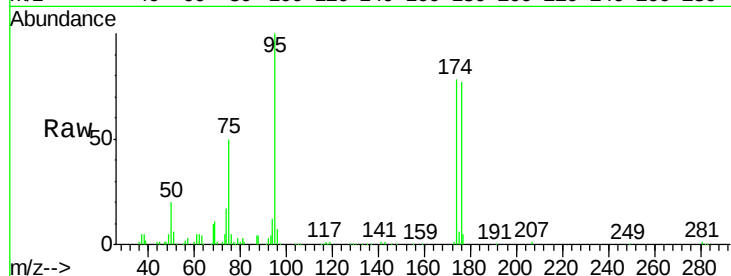
Tgt Ion: 95 Resp: 156800

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.2

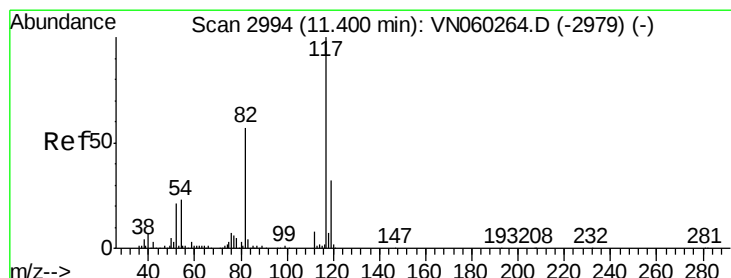
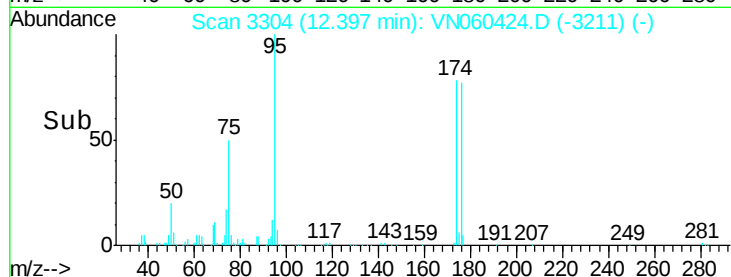
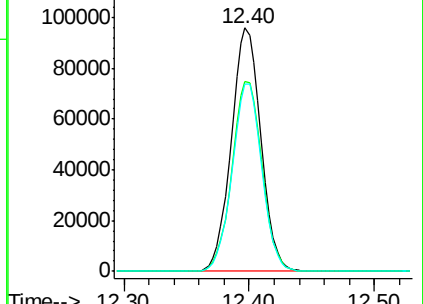
176 77.3 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060424.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060424.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060424.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060424.D

Acq: 10 Mar 2020 18:02

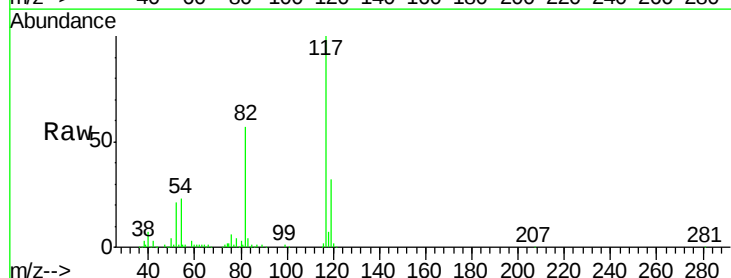
Tgt Ion: 117 Resp: 319859

Ion Ratio Lower Upper

117 100

82 57.4 45.8 68.6

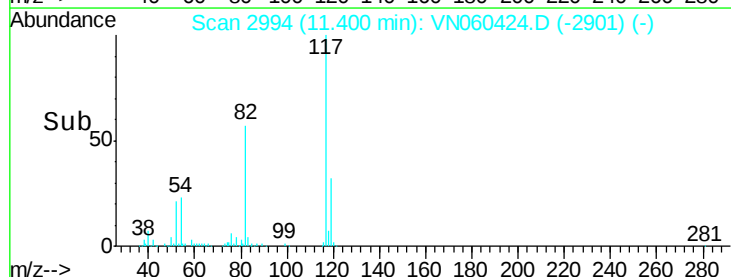
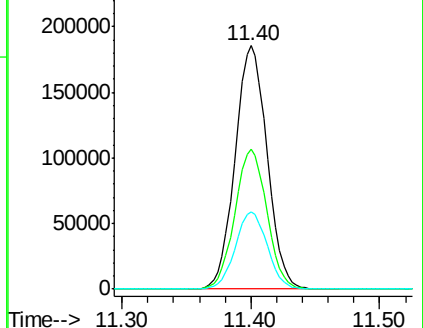
119 32.0 25.8 38.8

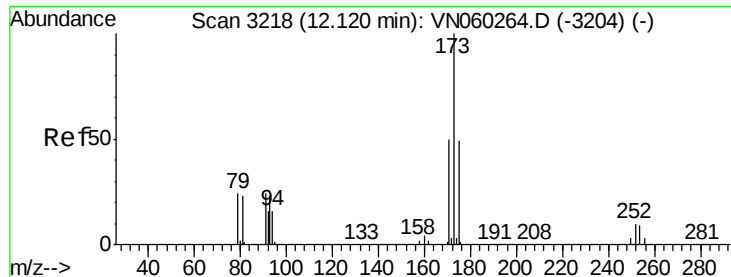


Abundance Ion 116.90 (116.60 to 117.60): VN060424.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060424.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060424.D (-2979) (-)





#71

Bromoform

Concen: 0.268 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN060424.D

Acq: 10 Mar 2020 18:02

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#19

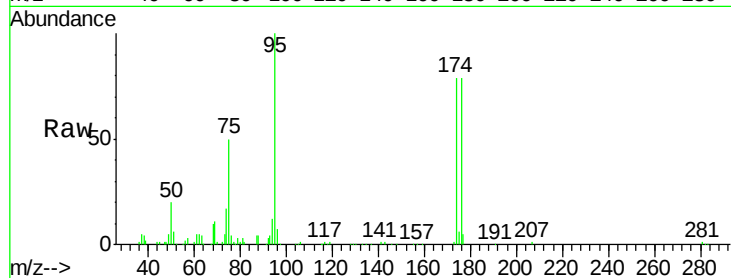
Tgt Ion:173 Resp: 462

Ion Ratio Lower Upper

173 100

175 1686.6 24.1 72.2#

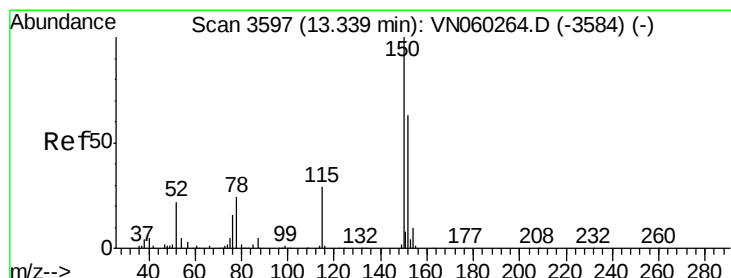
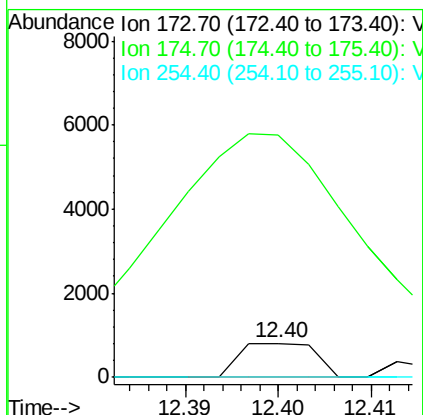
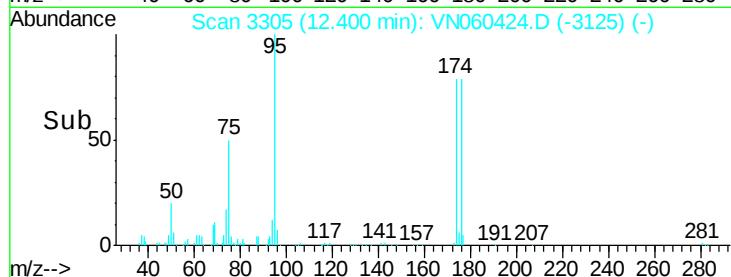
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VN060424.D

Acq: 10 Mar 2020 18:02

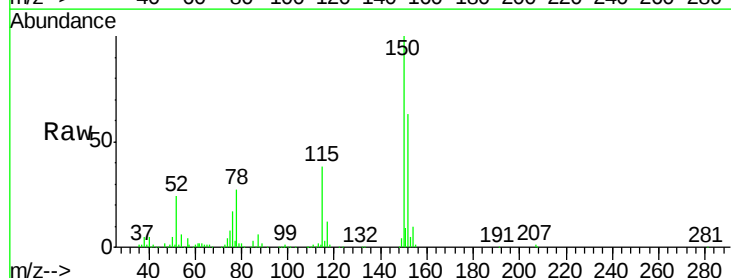
Tgt Ion:152 Resp: 148381

Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.0

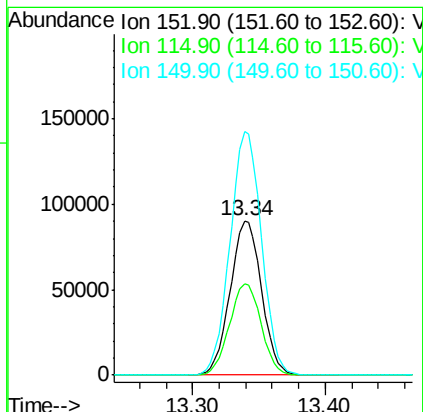
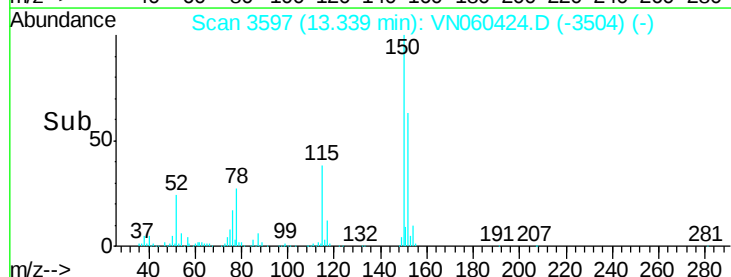
150 158.4 0.0 349.6

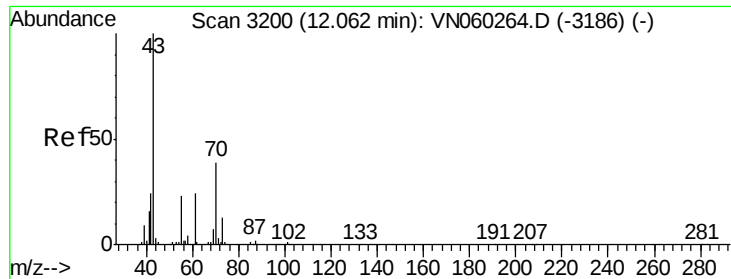


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.475 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060424.D

Acq: 10 Mar 2020 18:02

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#19

Tgt Ion: 43 Resp: 2284

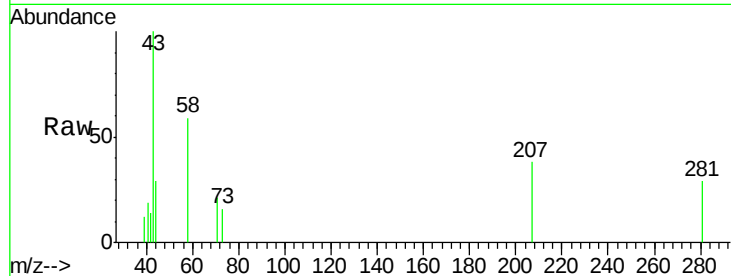
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

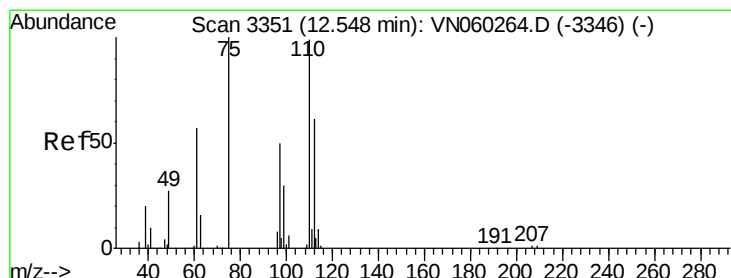
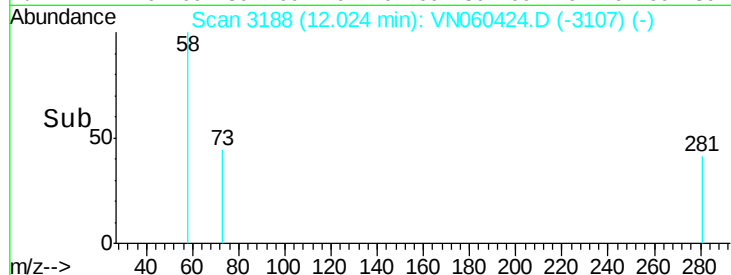
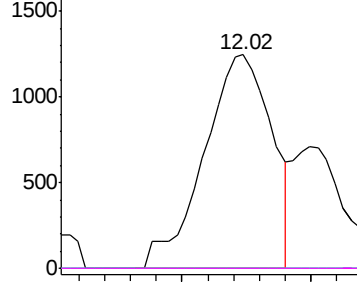


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.358 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060424.D

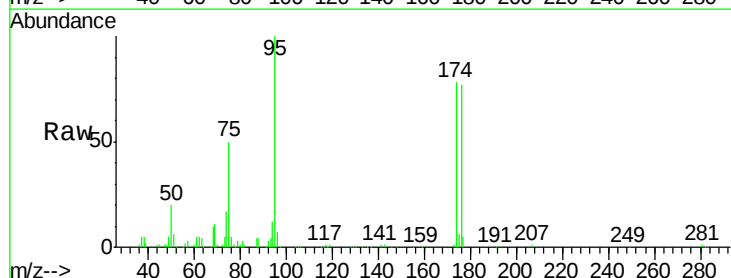
Acq: 10 Mar 2020 18:02

Tgt Ion: 75 Resp: 79296

Ion Ratio Lower Upper

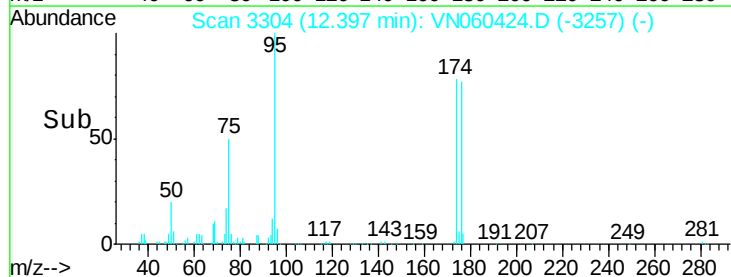
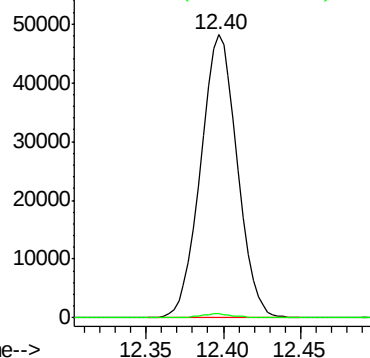
75 100

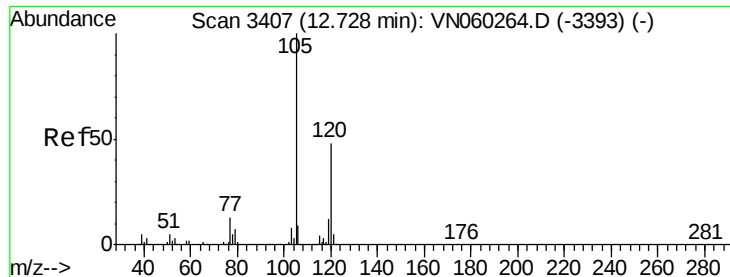
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

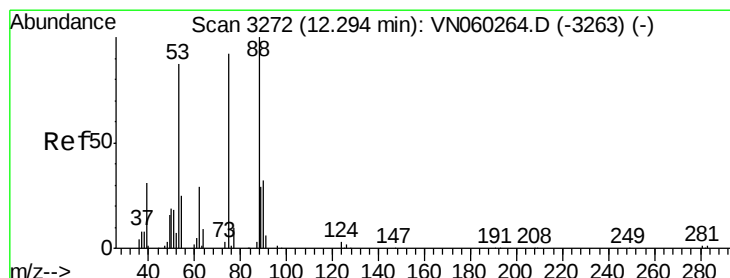
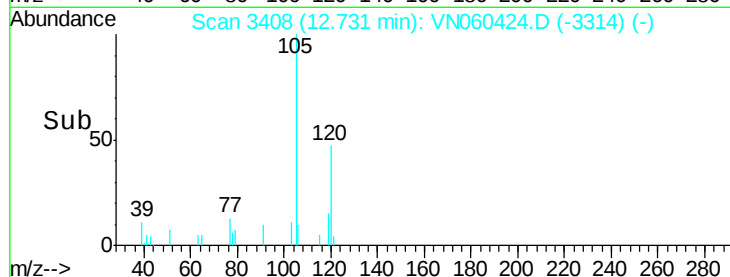
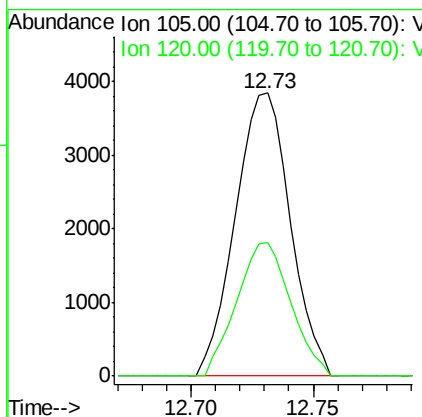
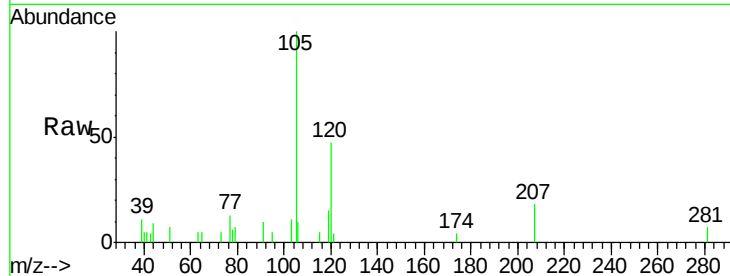




#80
 1,3,5-Trimethylbenzene
 Concen: 0.649 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060424.D
 Acq: 10 Mar 2020 18:02

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#19

Tgt Ion: 105 Resp: 6009
 Ion Ratio Lower Upper
 105 100
 120 46.3 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.239 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060424.D
 Acq: 10 Mar 2020 18:02

Tgt Ion: 75 Resp: 79296
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#

