

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063418.D
 Acq On : 17 Sep 2020 14:50
 Operator : JC/MD
 Sample : PB131674ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131674ZHE#01

Quant Time: Sep 18 02:49:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	239541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	448183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	450238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	193554	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	197361	48.40	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.80%		
35) Dibromofluoromethane	7.55	113	143655	46.30	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.60%		
50) Toluene-d8	10.06	98	586098	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.48%		
62) 4-Bromofluorobenzene	12.38	95	232720	54.41	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.82%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	13503	10.304	ug/l #	85
18) Methyl Acetate	4.30	43	4278	1.286	ug/l #	83
20) Methylene Chloride	4.50	84	8803	2.651	ug/l	92
25) 2-Butanone	6.79	43	3611	1.792	ug/l #	82
31) Cyclohexane	7.63	56	7164	1.272	ug/l #	35
36) 1,1-Dichloropropene	7.63	75	22018	4.611	ug/l #	51
38) Carbon Tetrachloride	7.63	117	26336	5.403	ug/l #	19
41) Methacrylonitrile	7.16	41	976	0.463	ug/l #	100
43) Isopropyl Acetate	8.13	43	88763	10.593	ug/l	99
45) 1,2-Dichloropropane	9.24	63	1741	0.469	ug/l #	43
48) Methyl methacrylate	9.14	41	5123	1.244	ug/l #	15
49) 1,4-Dioxane	9.23	88	203	3.436	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	9648	2.057	ug/l	91
54) cis-1,3-Dichloropropene	9.87	75	36968	6.193	ug/l #	65
56) Ethyl methacrylate	10.51	69	1408	0.277	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6486	1.105	ug/l #	42
59) 2-Hexanone	10.74	43	101616	29.900	ug/l #	53
74) N-amyl acetate	12.01	43	4336	0.591	ug/l #	47
76) 1,2,3-Trichloropropane	12.38	75	129718	27.077	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4400	0.340	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	129718	74.235	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063418.D

Acq: 17 Sep 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

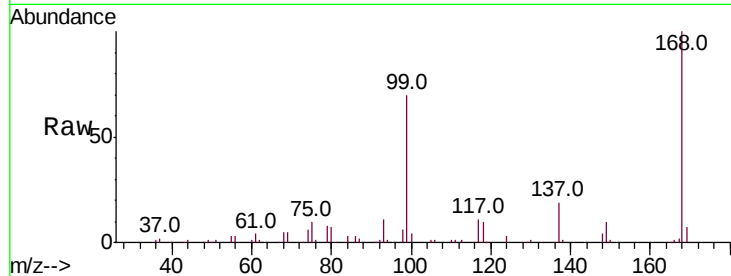
PB131674ZHE#01

Tot Ion:168 Resp: 239541

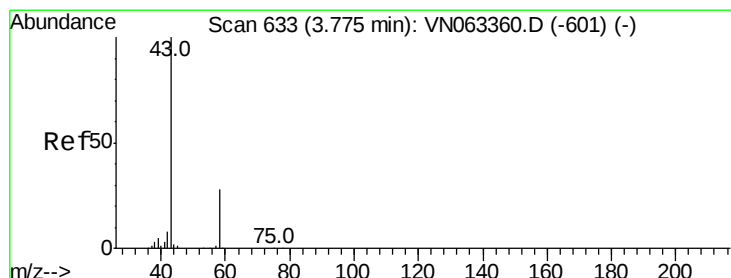
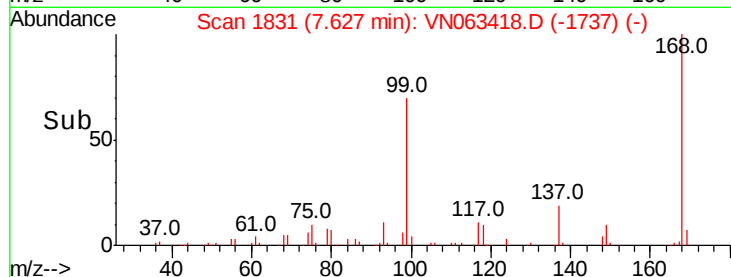
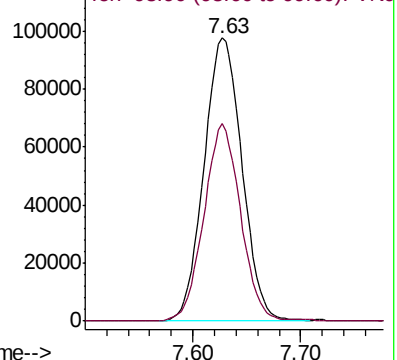
Ion Ratio Lower Upper

168 100

99 69.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): VN063360.D (-1811) (-)



#16

Acetone

Concen: 10.304 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063418.D

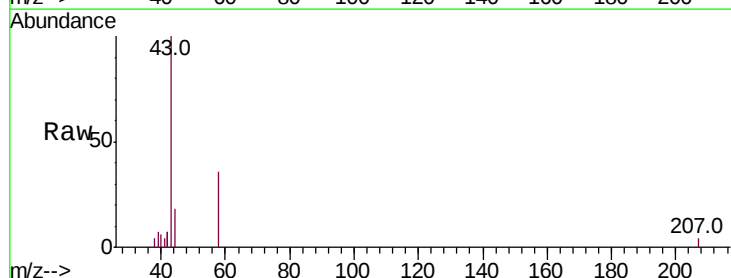
Acq: 17 Sep 2020 14:50

Tgt Ion: 43 Resp: 13503

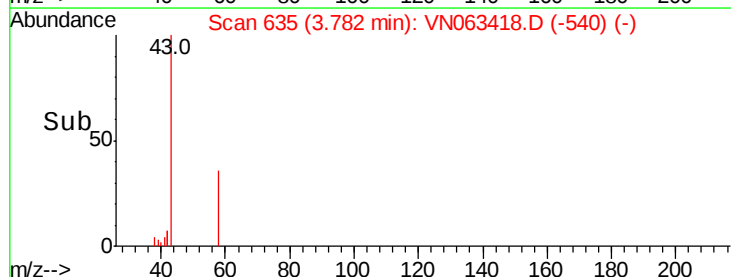
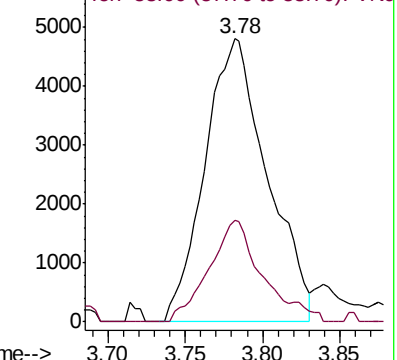
Ion Ratio Lower Upper

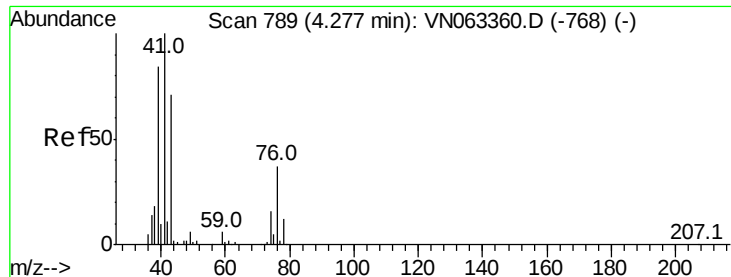
43 100

58 35.8 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-601) (-)

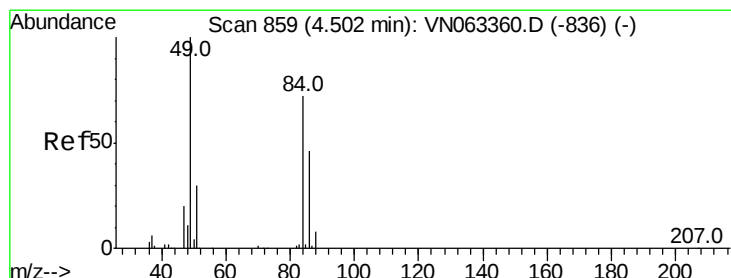
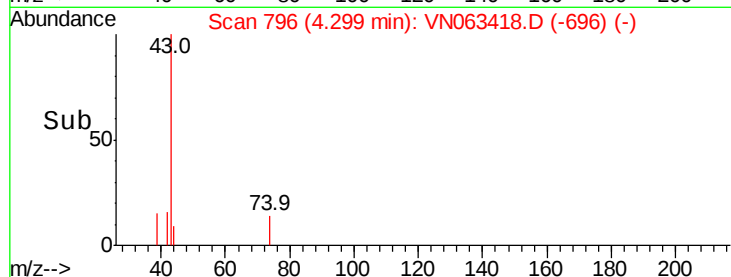
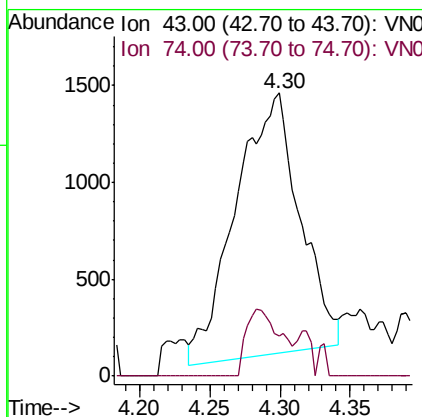
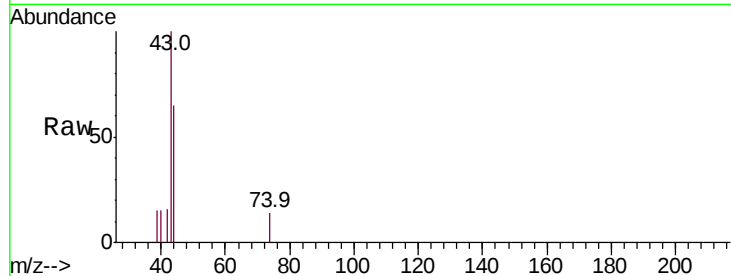




#18
Methyl Acetate
Concen: 1.286 ug/l
RT: 4.30 min Scan# 796
Delta R.T. 0.02 min
Lab File: VN063418.D
Acq: 17 Sep 2020 14:50

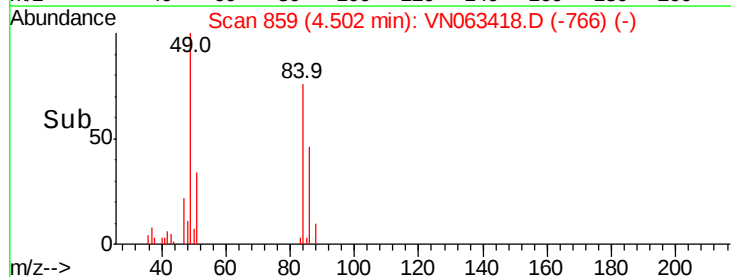
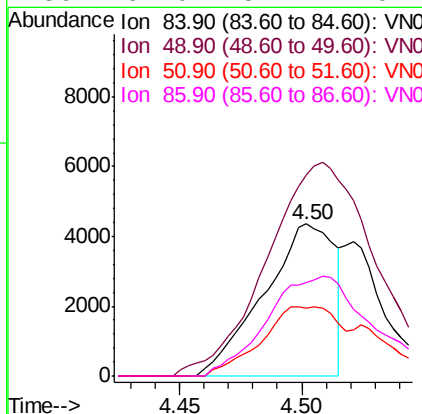
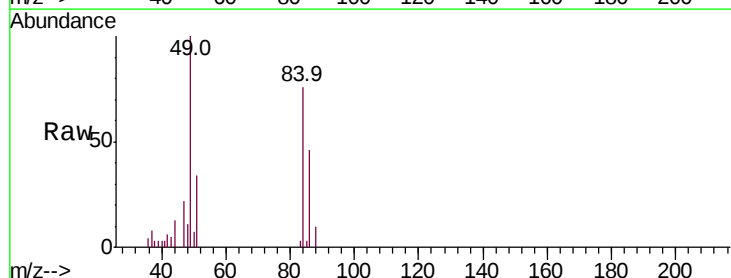
Instrument :
MSVOA_N
ClientSampleId :
PB131674ZHE#01

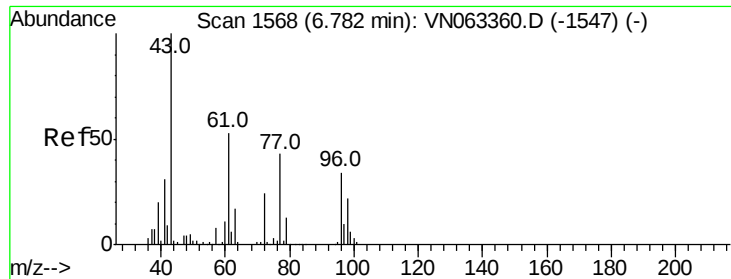
Tot Ion: 43 Resp: 4278
Ion Ratio Lower Upper
43 100
74 13.7 17.4 26.2#



#20
Methylene Chloride
Concen: 2.651 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063418.D
Acq: 17 Sep 2020 14:50

Tgt Ion: 84 Resp: 8803
Ion Ratio Lower Upper
84 100
49 124.8 110.7 166.1
51 44.2 32.9 49.3
86 61.0 51.1 76.7

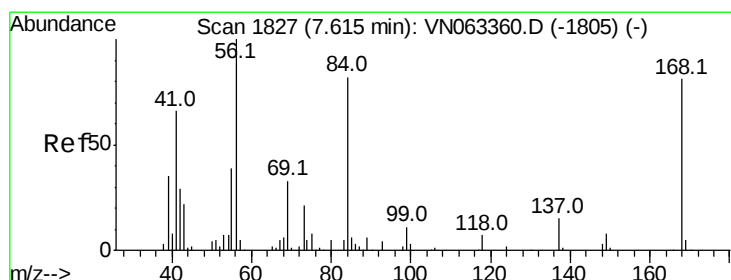
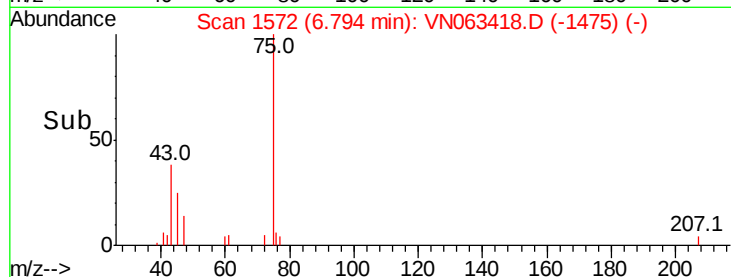
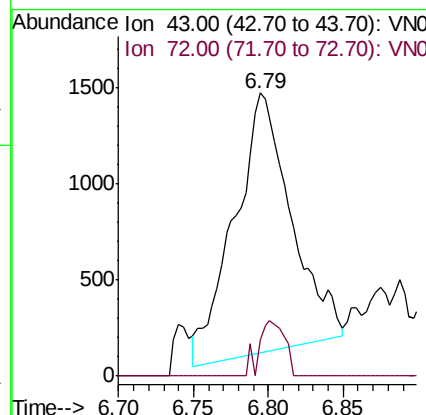
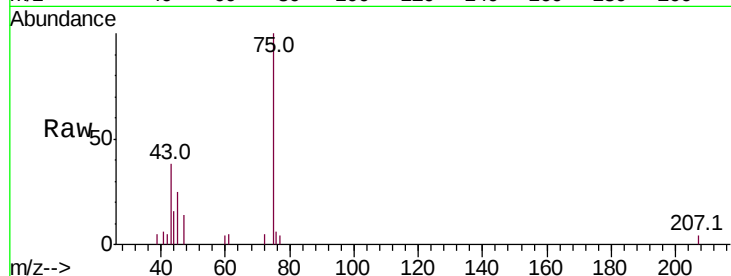




#25
2-Butanone
Concen: 1.792 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN063418.D
Acq: 17 Sep 2020 14:50

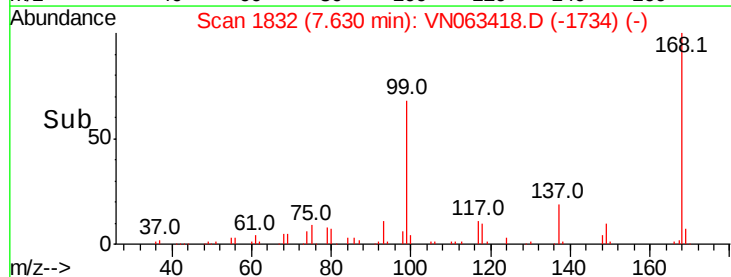
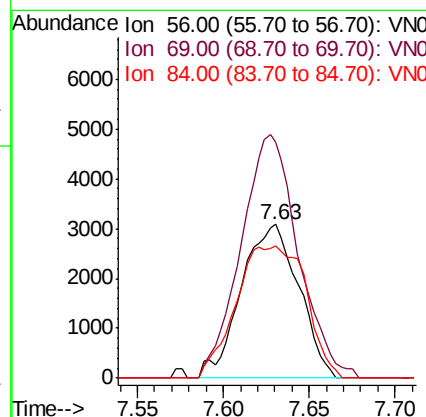
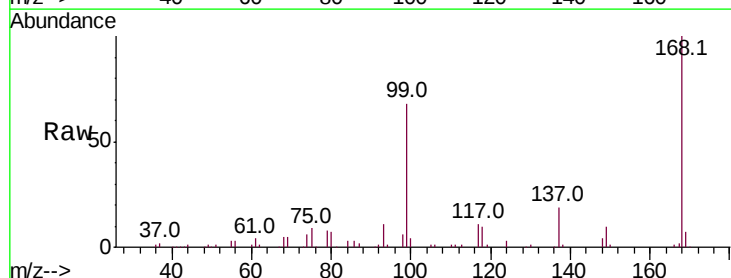
Instrument :
MSVOA_N
ClientSampleId :
PB131674ZHE#01

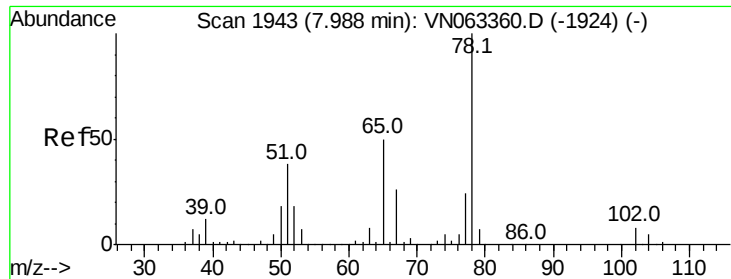
Tot Ion: 43 Resp: 3611
Ion Ratio Lower Upper
43 100
72 15.1 19.2 28.8#



#31
Cyclohexane
Concen: 1.272 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063418.D
Acq: 17 Sep 2020 14:50

Tgt Ion: 56 Resp: 7164
Ion Ratio Lower Upper
56 100
69 154.0 26.1 39.1#
84 86.2 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 48.401 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063418.D

Acq: 17 Sep 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

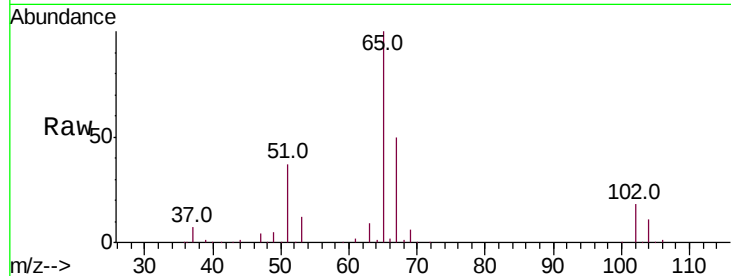
PB131674ZHE#01

Tot Ion: 65 Resp: 197361

Ion Ratio Lower Upper

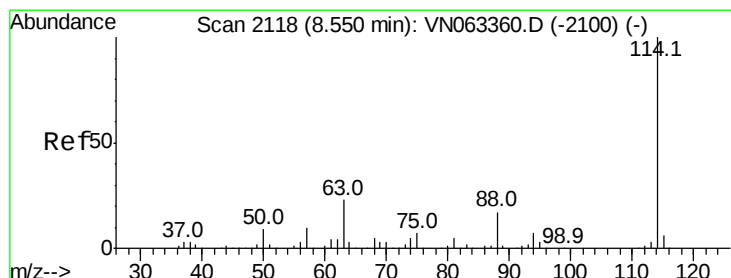
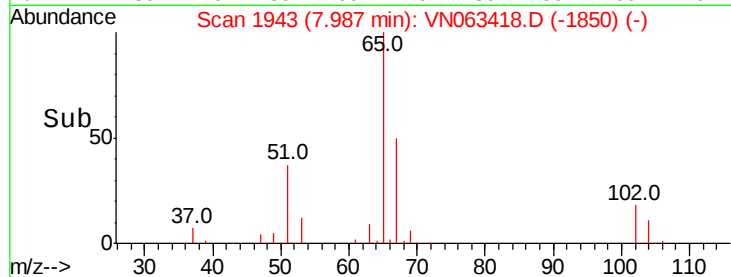
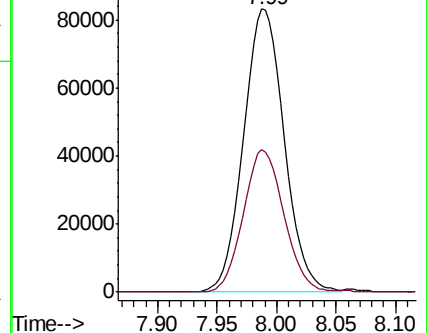
65 100

67 50.5 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063418.D

Acq: 17 Sep 2020 14:50

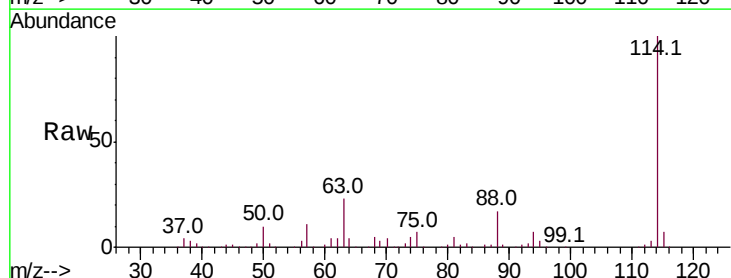
Tgt Ion: 114 Resp: 448183

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.4

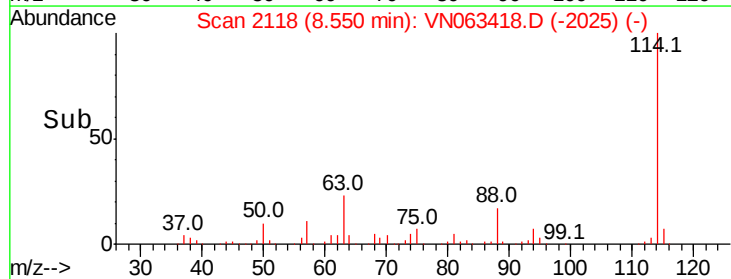
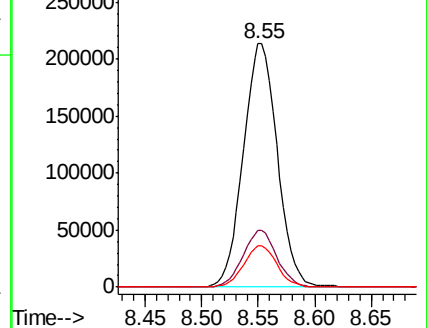
88 16.8 0.0 33.2

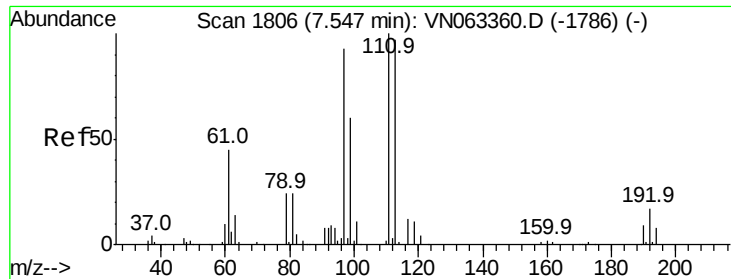


Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)

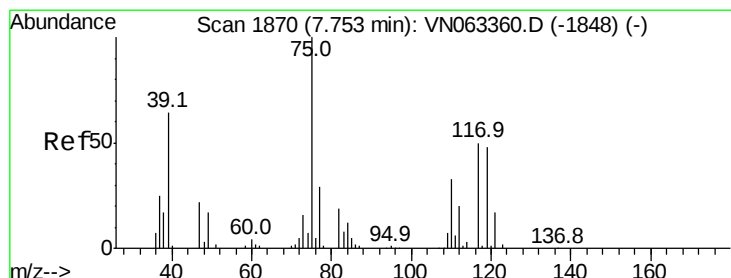
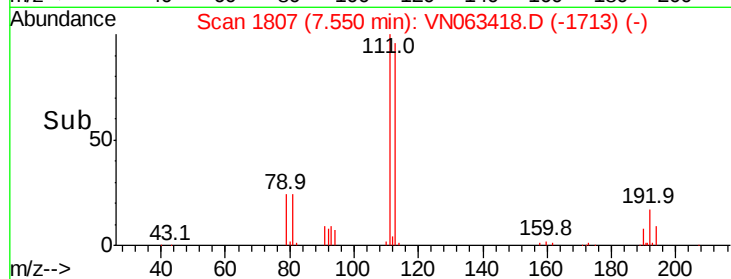
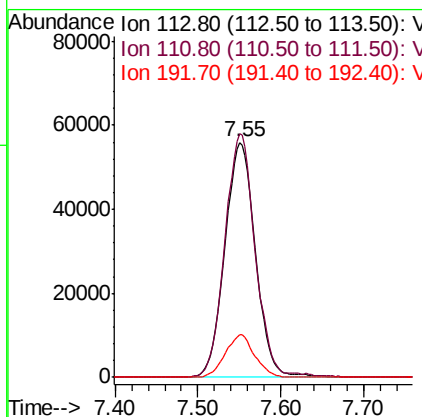
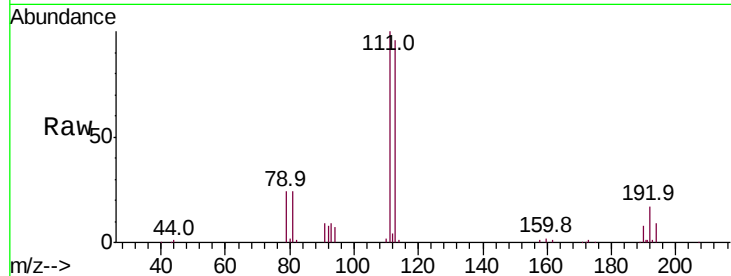




#35
 Dibromofluoromethane
 Concen: 46.300 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063418.D
 Acq: 17 Sep 2020 14:50

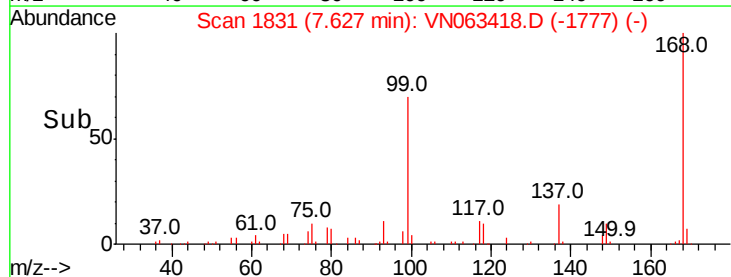
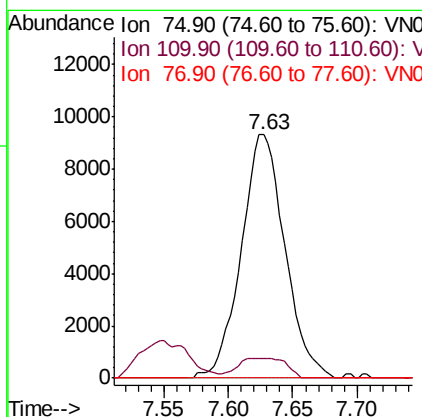
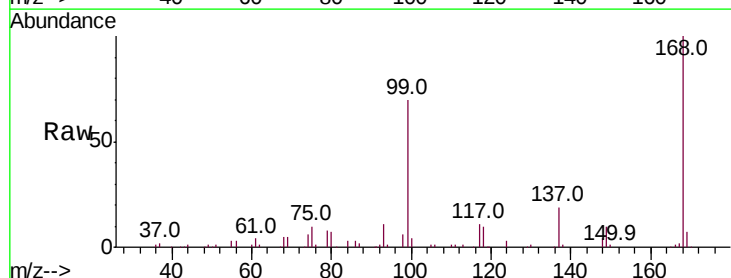
Instrument :
 MSVOA_N
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 PB131674ZHE#01

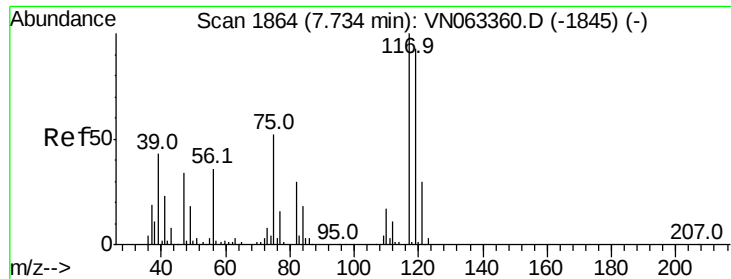
Tot Ion:113 Resp: 143655
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.9 124.3
 192 17.4 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.611 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063418.D
 Acq: 17 Sep 2020 14:50

Tgt Ion: 75 Resp: 22018
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.5 49.5#
 77 0.0 24.6 36.8#

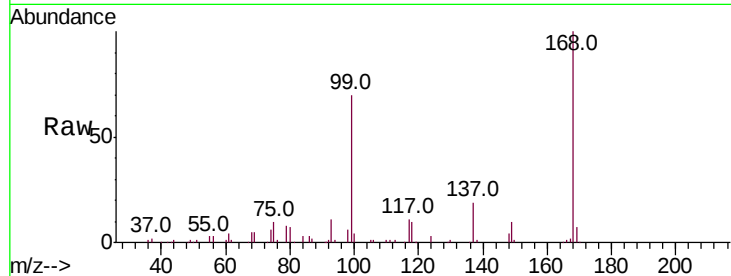




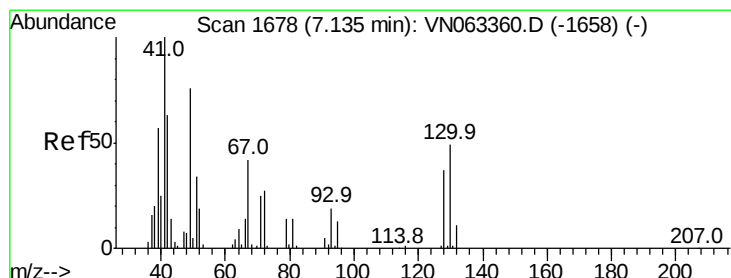
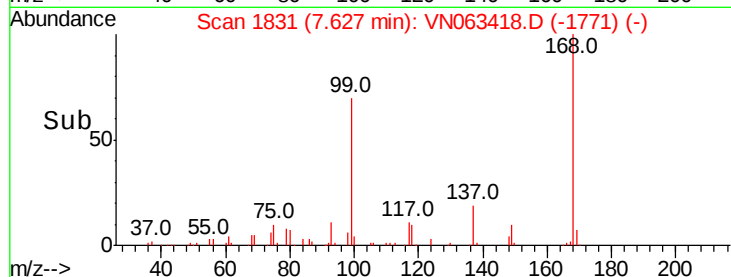
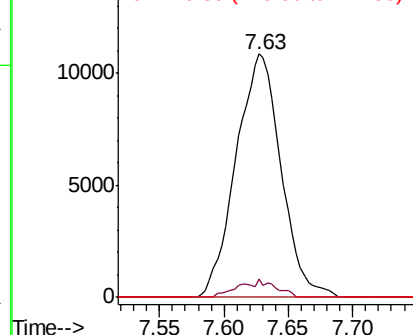
#38
Carbon Tetrachloride
Concen: 5.403 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063418.D
Acq: 17 Sep 2020 14:50

Instrument :
MSVOA_N
ClientSampleId :
PB131674ZHE#01

Tot Ion:117 Resp: 26336
Ion Ratio Lower Upper
117 100
119 7.6 74.5 111.7#
121 0.0 24.1 36.1#

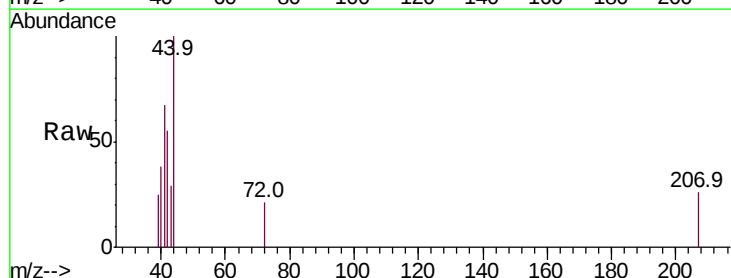


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

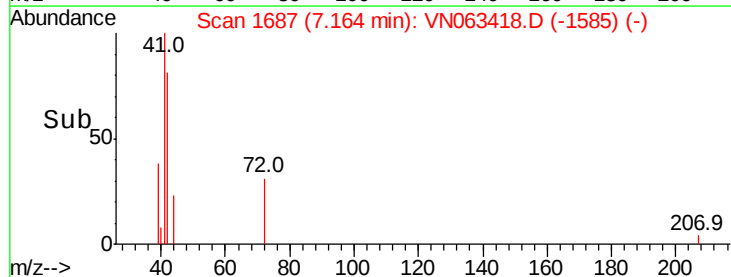
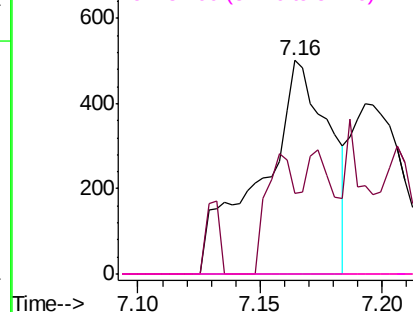


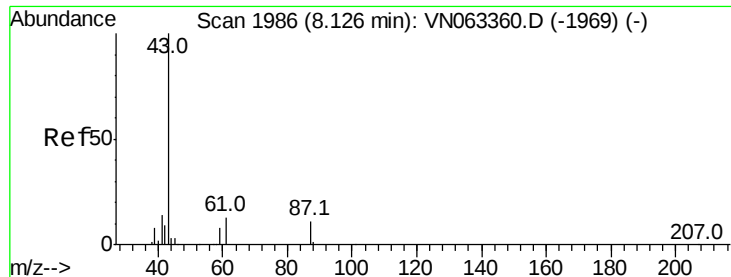
#41
Methacrylonitrile
Concen: 0.463 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.03 min
Lab File: VN063418.D
Acq: 17 Sep 2020 14:50

Tgt Ion: 41 Resp: 976
Ion Ratio Lower Upper
41 100
39 22.4 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): V
Ion 39.00 (38.70 to 39.70): V
Ion 67.00 (66.70 to 67.70): V
Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 10.593 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063418.D

Acq: 17 Sep 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

PB131674ZHE#01

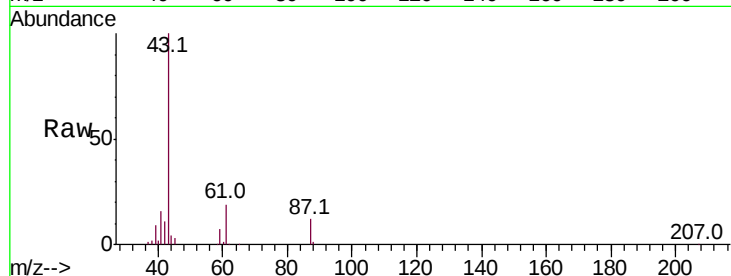
Tot Ion: 43 Resp: 88763

Ion Ratio Lower Upper

43 100

61 18.5 14.2 21.2

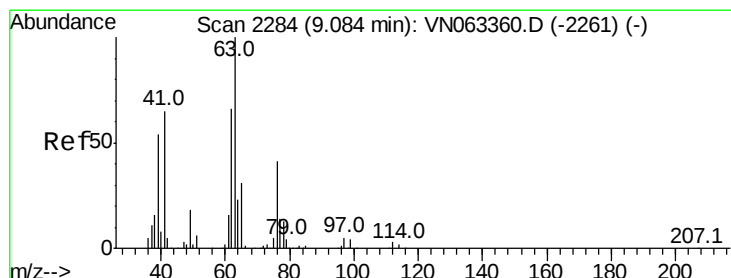
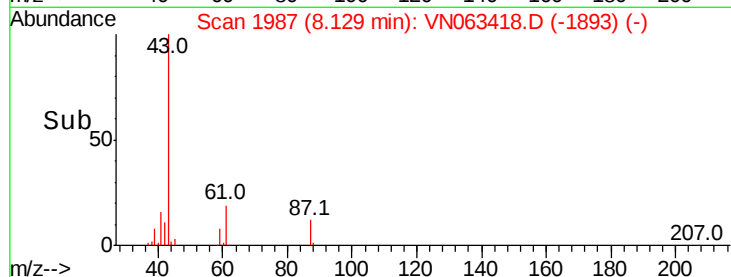
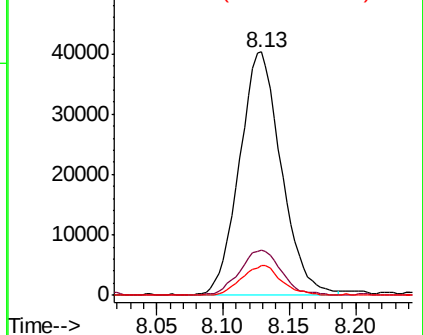
87 11.6 9.0 13.6



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: 0.469 ug/l

RT: 9.24 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN063418.D

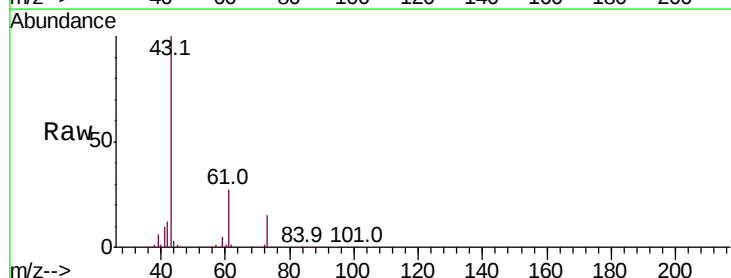
Acq: 17 Sep 2020 14:50

Tgt Ion: 63 Resp: 1741

Ion Ratio Lower Upper

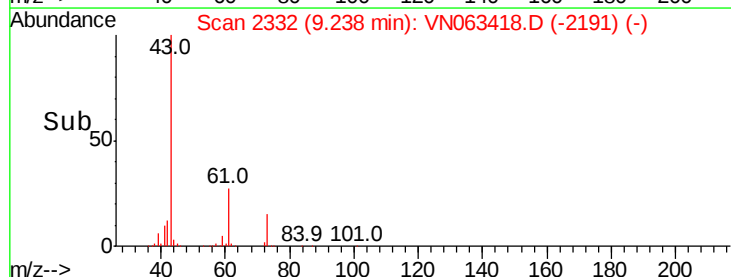
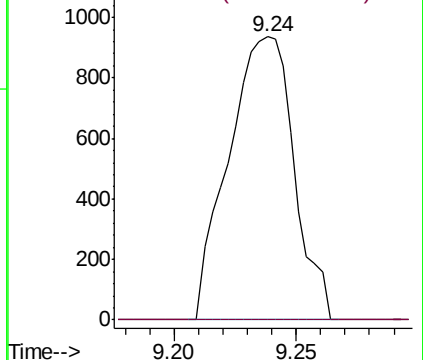
63 100

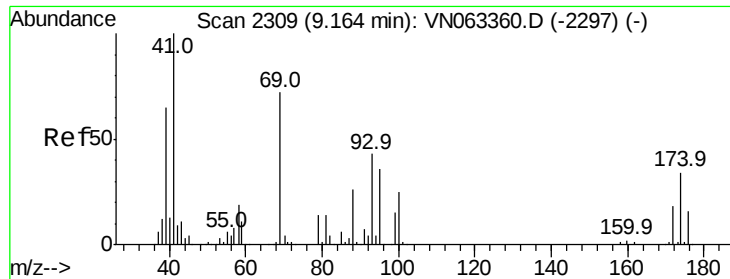
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

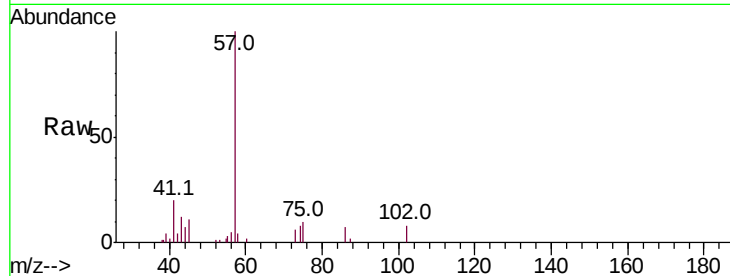




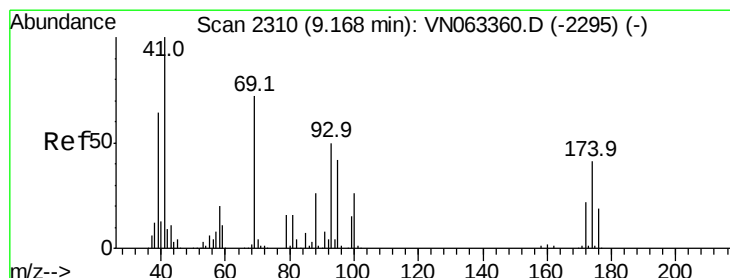
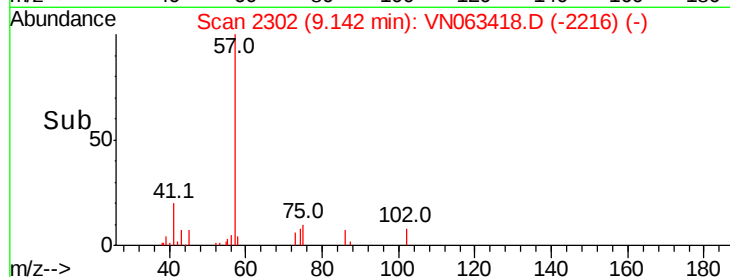
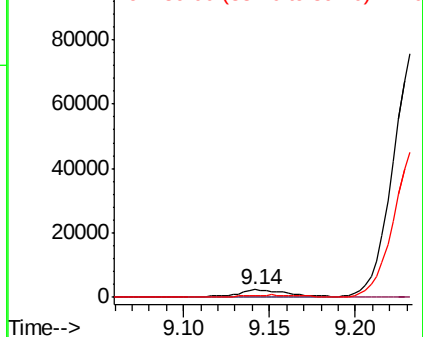
#48
Methvl methacrylate
Concen: 1.244 ug/l
RT: 9.14 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN063418.D
Acq: 17 Sep 2020 14:50

Instrument :
MSVOA_N
ClientSampleId :
PB131674ZHE#01

Tot Ion: 41 Resp: 5123
Ion Ratio Lower Upper
41 100
69 0.0 59.3 88.9#
39 0.0 52.9 79.3#

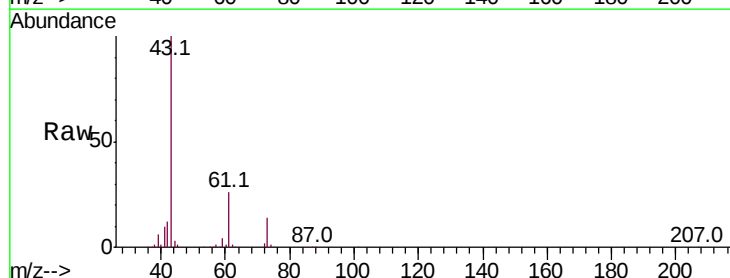


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

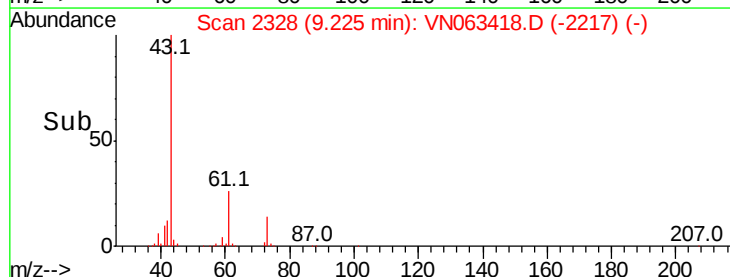
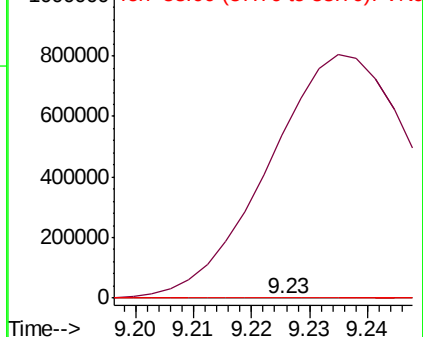


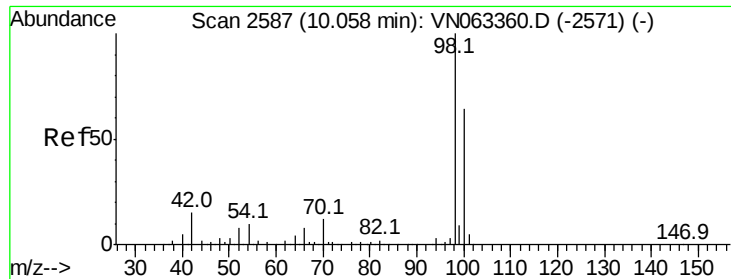
#49
1,4-Dioxane
Concen: 3.436 ug/l
RT: 9.23 min Scan# 2328
Delta R.T. 0.06 min
Lab File: VN063418.D
Acq: 17 Sep 2020 14:50

Tgt Ion: 88 Resp: 203
Ion Ratio Lower Upper
88 100
43 727574.9 32.6 49.0#
58 3056.7 60.0 90.0#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#50

Toluene-d8

Concen: 50.237 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063418.D

Acq: 17 Sep 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

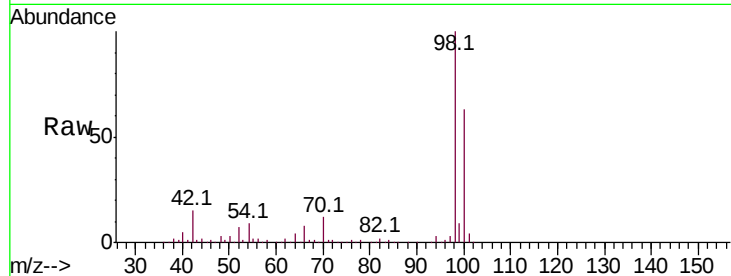
PB131674ZHE#01

Tot Ion: 98 Resp: 586098

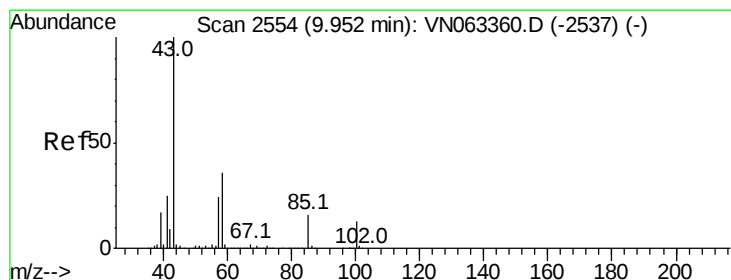
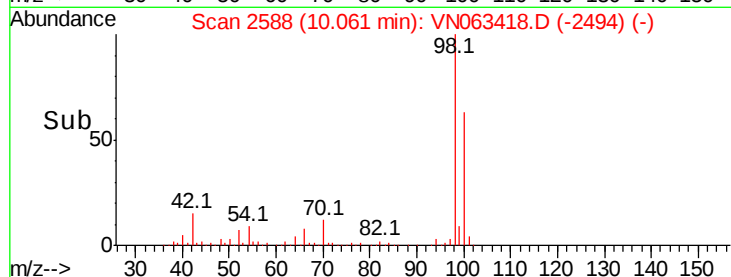
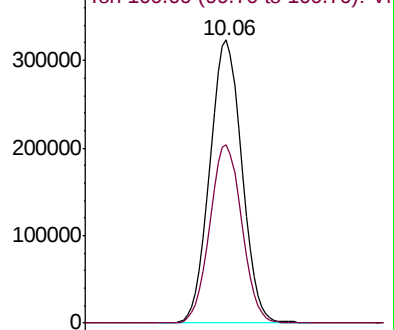
Ion Ratio Lower Upper

98 100

100 63.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.057 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063418.D

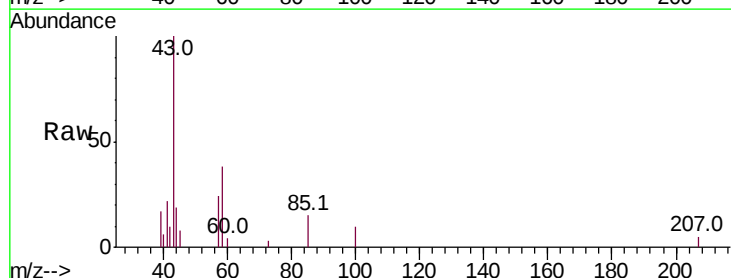
Acq: 17 Sep 2020 14:50

Tgt Ion: 43 Resp: 9648

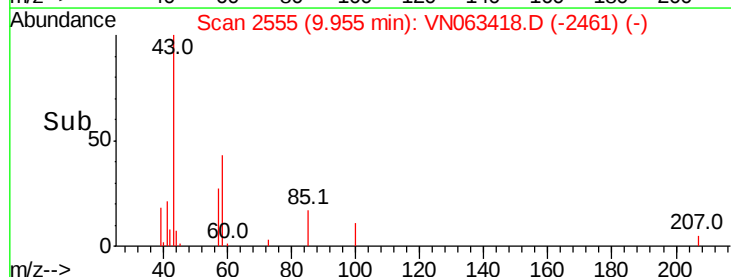
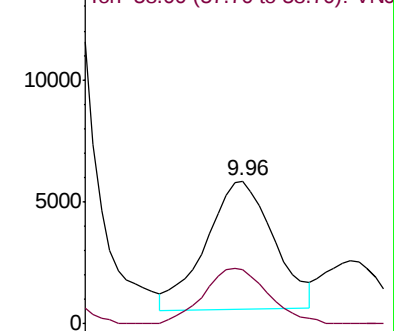
Ion Ratio Lower Upper

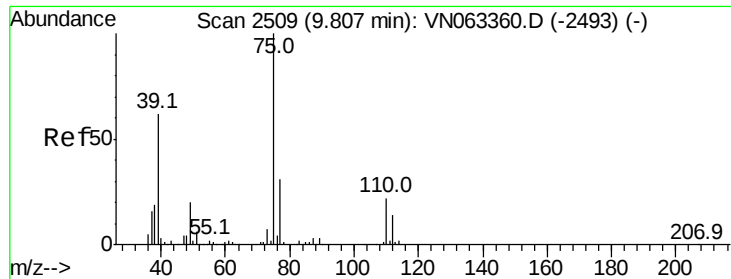
43 100

58 41.4 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-2537) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.193 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063418.D

Acq: 17 Sep 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

PB131674ZHE#01

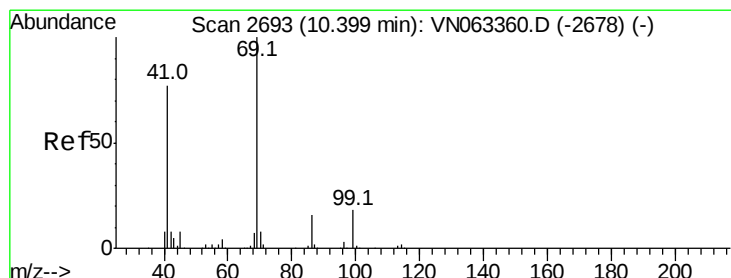
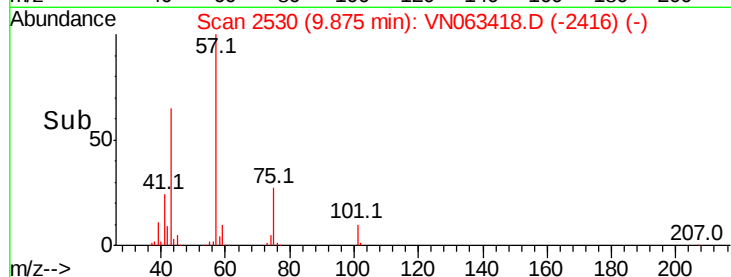
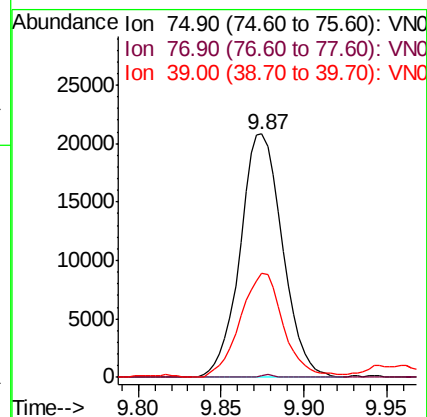
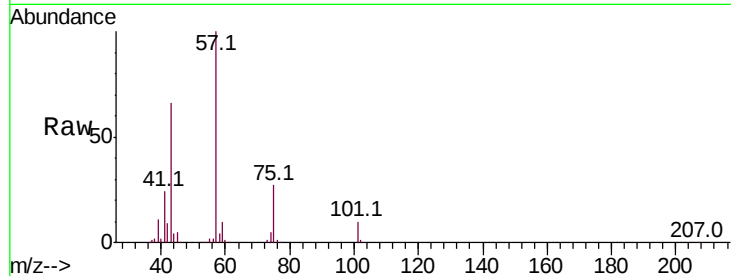
Tot Ion: 75 Resp: 36968

Ion Ratio Lower Upper

75 100

77 0.9 24.6 37.0#

39 42.7 49.8 74.8#



#56

Ethyl methacrylate

Concen: 0.277 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN063418.D

Acq: 17 Sep 2020 14:50

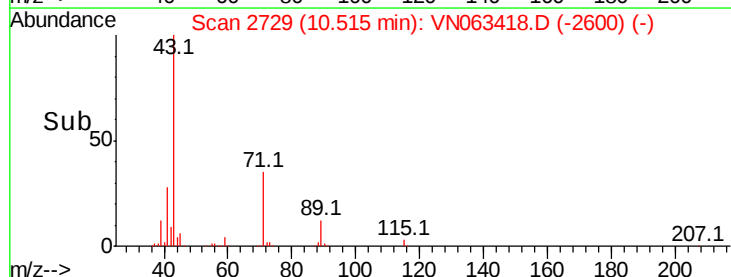
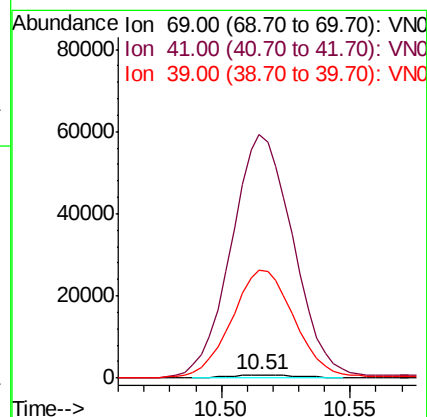
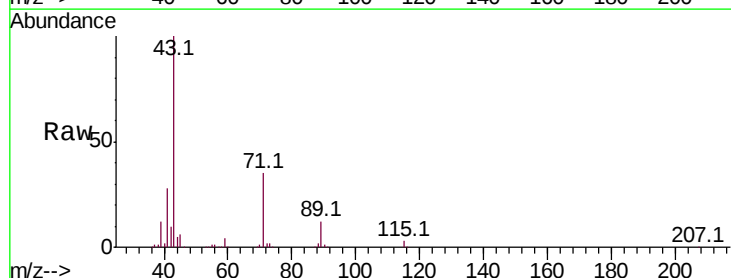
Tgt Ion: 69 Resp: 1408

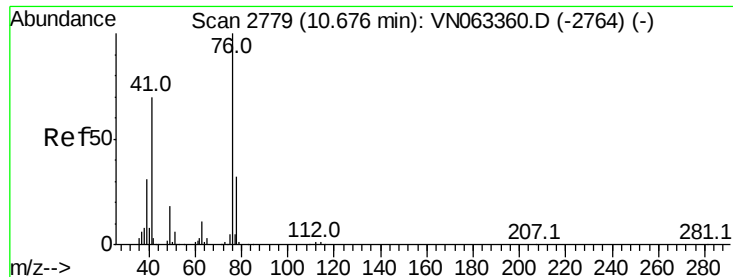
Ion Ratio Lower Upper

69 100

41 7115.3 61.0 91.6#

39 3224.6 39.2 58.8#





#57

1,3-Dichloropropane

Concen: 1.105 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063418.D

Acq: 17 Sep 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

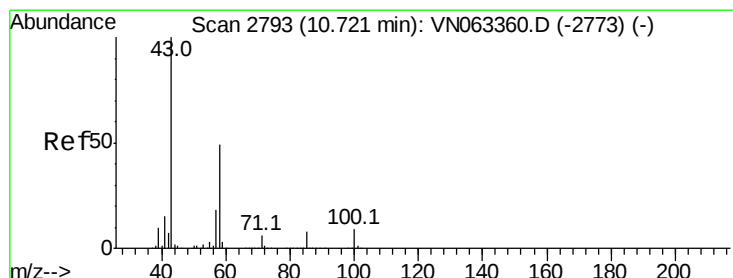
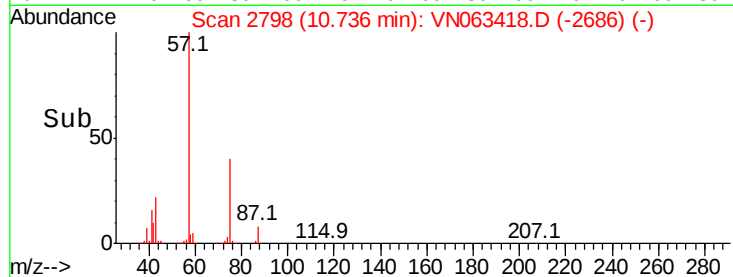
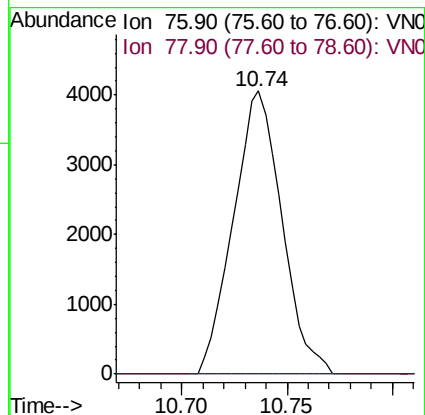
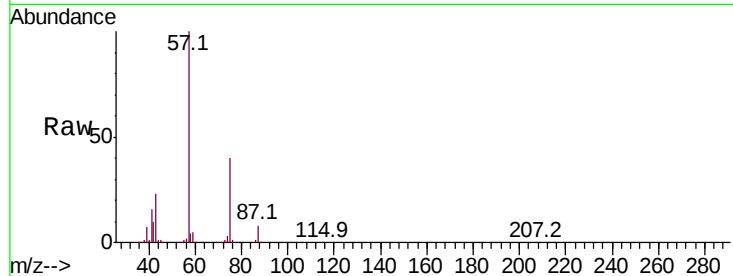
PB131674ZHE#01

Tot Ion: 76 Resp: 6486

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 29.900 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063418.D

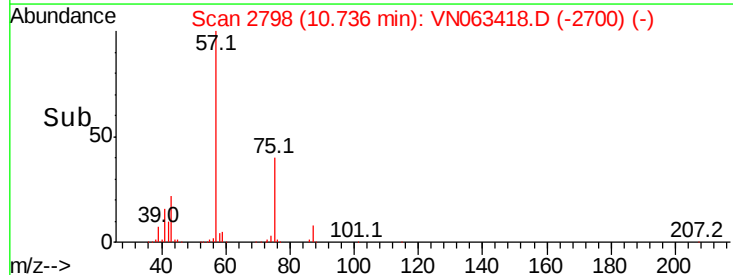
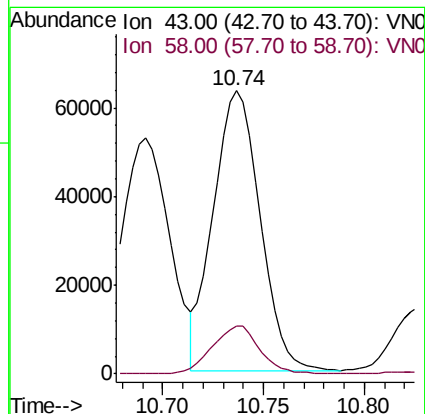
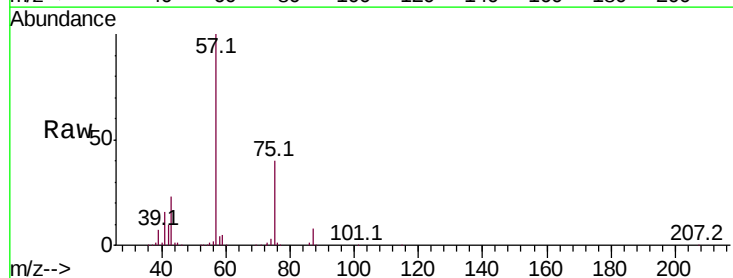
Acq: 17 Sep 2020 14:50

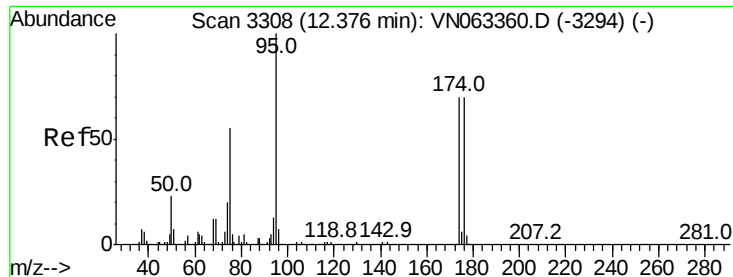
Tgt Ion: 43 Resp: 101616

Ion Ratio Lower Upper

43 100

58 17.4 24.7 74.1#





#62

4-Bromofluorobenzene

Concen: 54.415 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063418.D

Acq: 17 Sep 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

PB131674ZHE#01

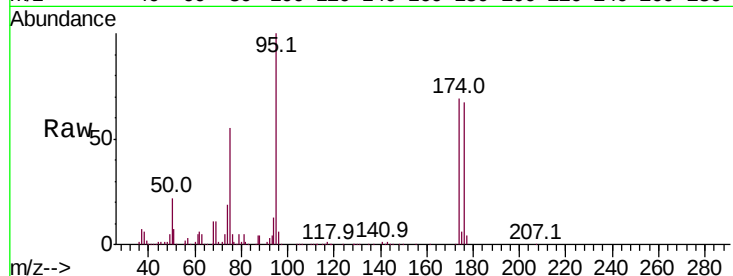
Tot Ion: 95 Resp: 232720

Ion Ratio Lower Upper

95 100

174 70.4 0.0 140.8

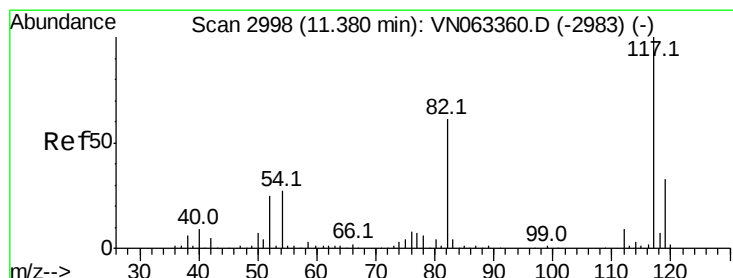
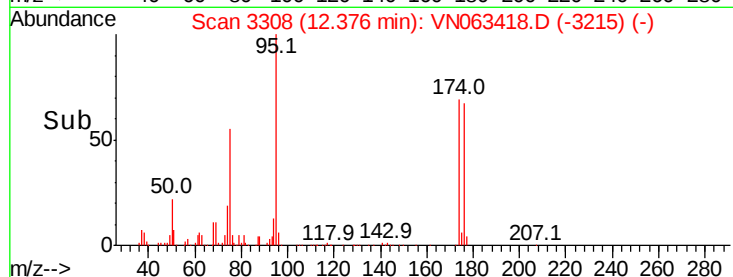
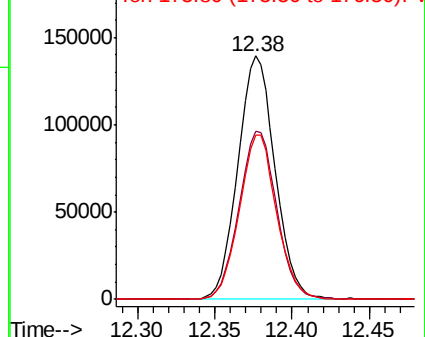
176 67.6 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063418.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063418.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063418.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063418.D

Acq: 17 Sep 2020 14:50

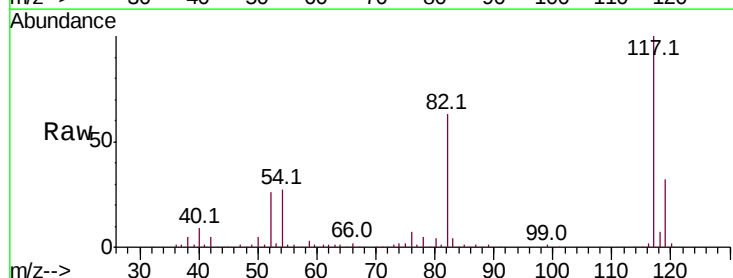
Tgt Ion: 117 Resp: 450238

Ion Ratio Lower Upper

117 100

82 62.6 49.2 73.8

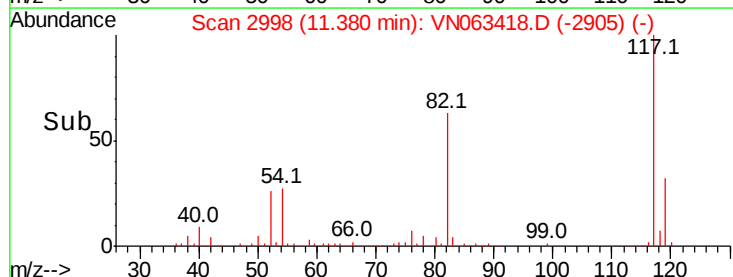
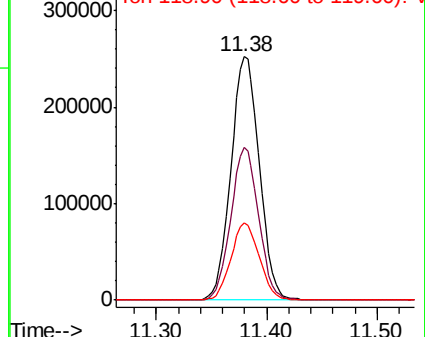
119 31.5 26.2 39.4

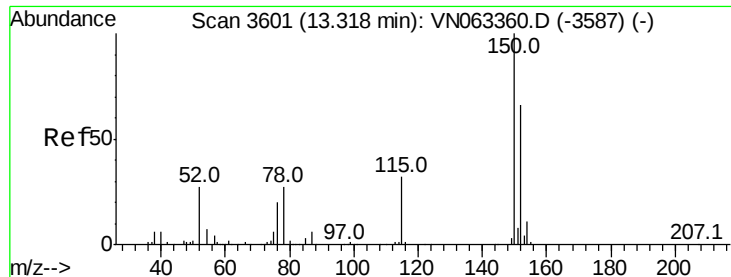


Abundance Ion 116.90 (116.60 to 117.60): VN063418.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063418.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063418.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063418.D

Acq: 17 Sep 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

PB131674ZHE#01

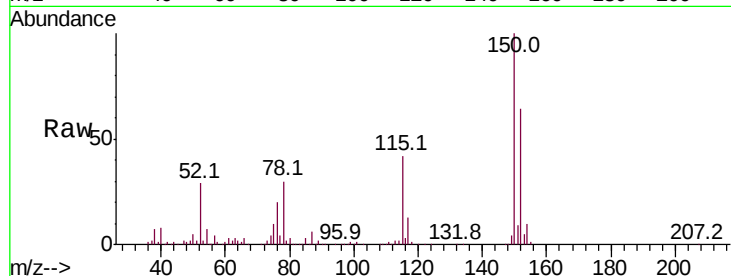
Tot Ion:152 Resp: 193554

Ion Ratio Lower Upper

152 100

115 63.8 32.2 96.6

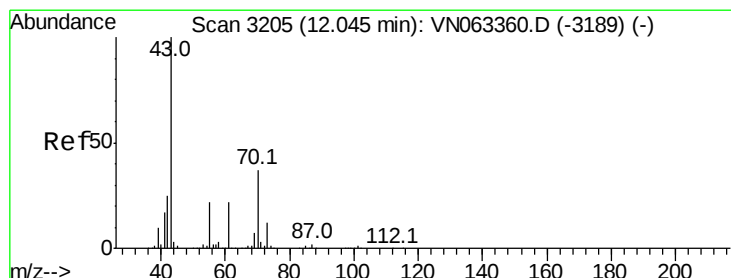
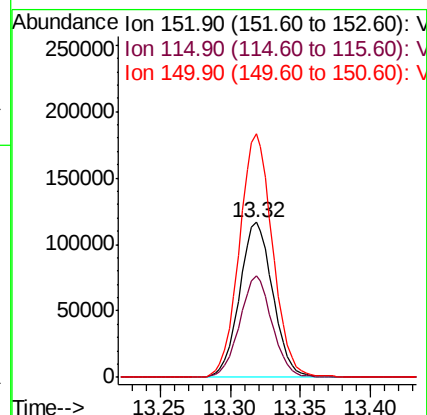
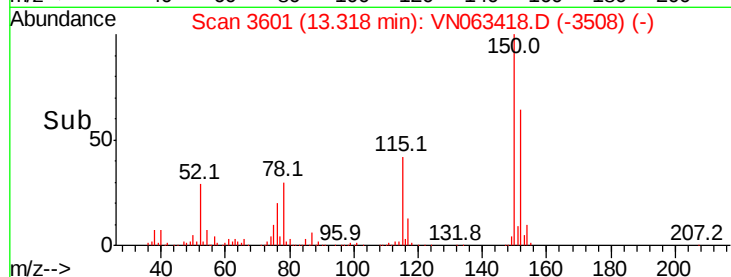
150 156.6 0.0 343.4



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: 0.591 ug/l

RT: 12.01 min Scan# 3193

Delta R.T. -0.04 min

Lab File: VN063418.D

Acq: 17 Sep 2020 14:50

Tgt Ion: 43 Resp: 4336

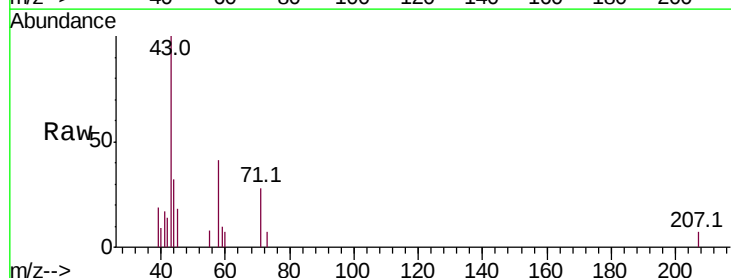
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 1.6 17.7 26.5#

61 0.0 17.4 26.2#

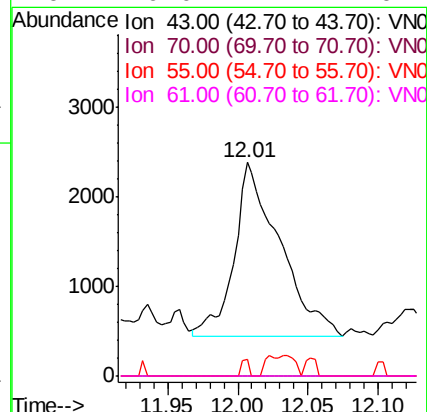
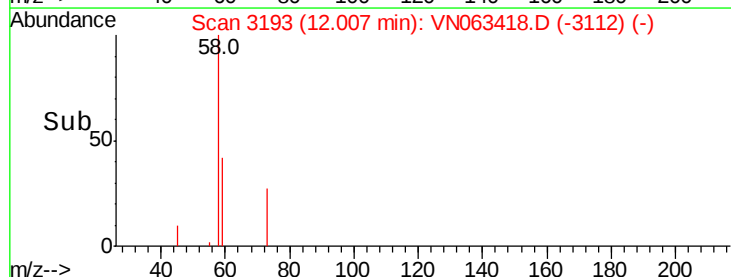


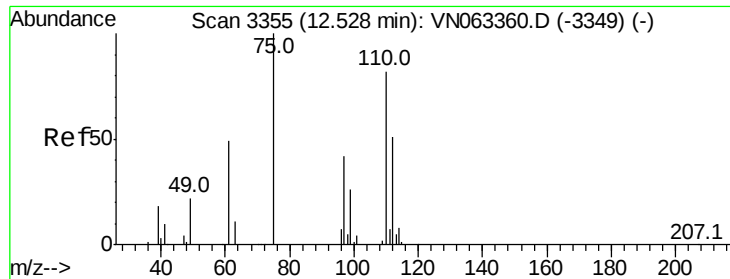
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

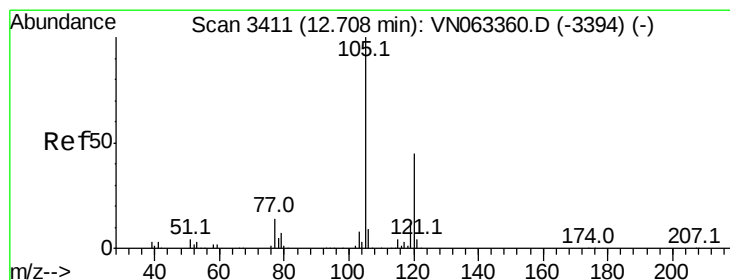
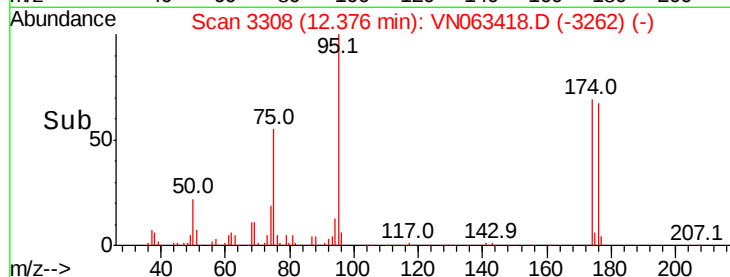
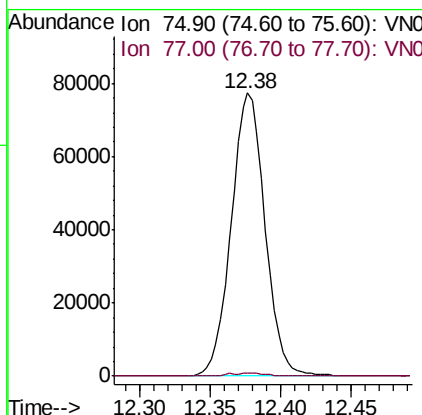
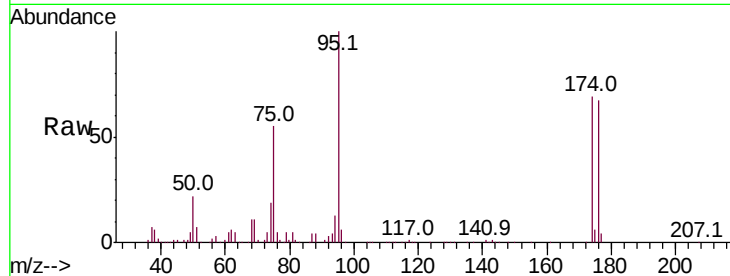




#76
 1,2,3-Trichloropropane
 Concen: 27.077 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063418.D
 Acq: 17 Sep 2020 14:50

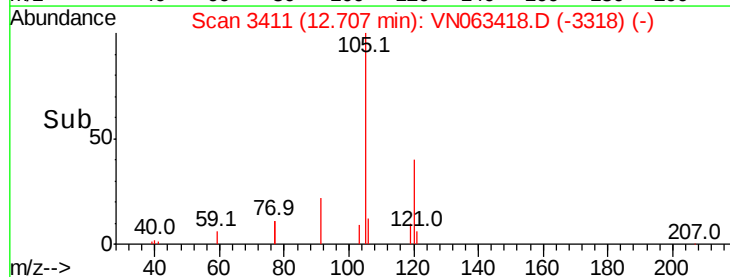
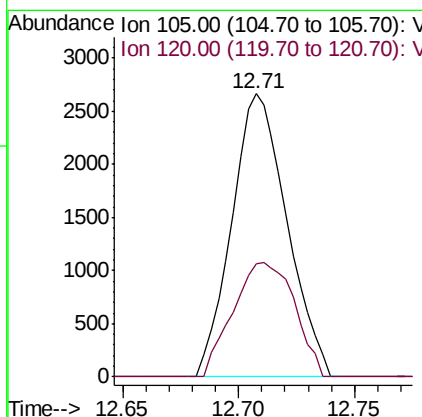
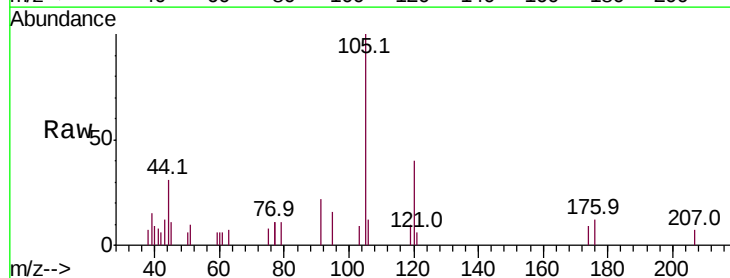
Instrument :
 MSVOA_N
 ClientSampleId :
 PB131674ZHE#01

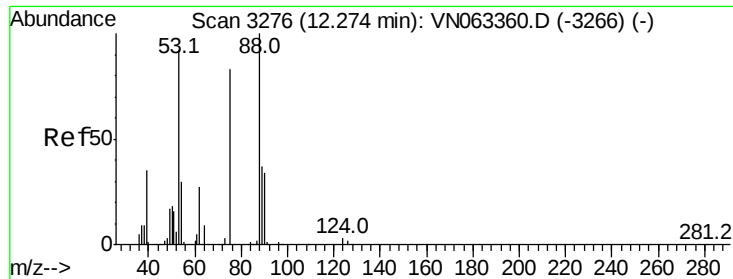
Tot Ion: 75 Resp: 129718
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.340 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063418.D
 Acq: 17 Sep 2020 14:50

Tgt Ion:105 Resp: 4400
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 74.235 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063418.D

Acq: 17 Sep 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

PB131674ZHE#01

Tot Ion: 75 Resp: 129718

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

