

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063372.D
 Acq On : 16 Sep 2020 18:18
 Operator : JC/MD
 Sample : PB131646ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131646ZHE#05

Quant Time: Sep 17 04:07:06 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	248532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	459963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	457721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	196937	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	198968	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
35) Dibromofluoromethane	7.55	113	150251	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
50) Toluene-d8	10.06	98	595561	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.38	95	240447	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	

Target Compounds

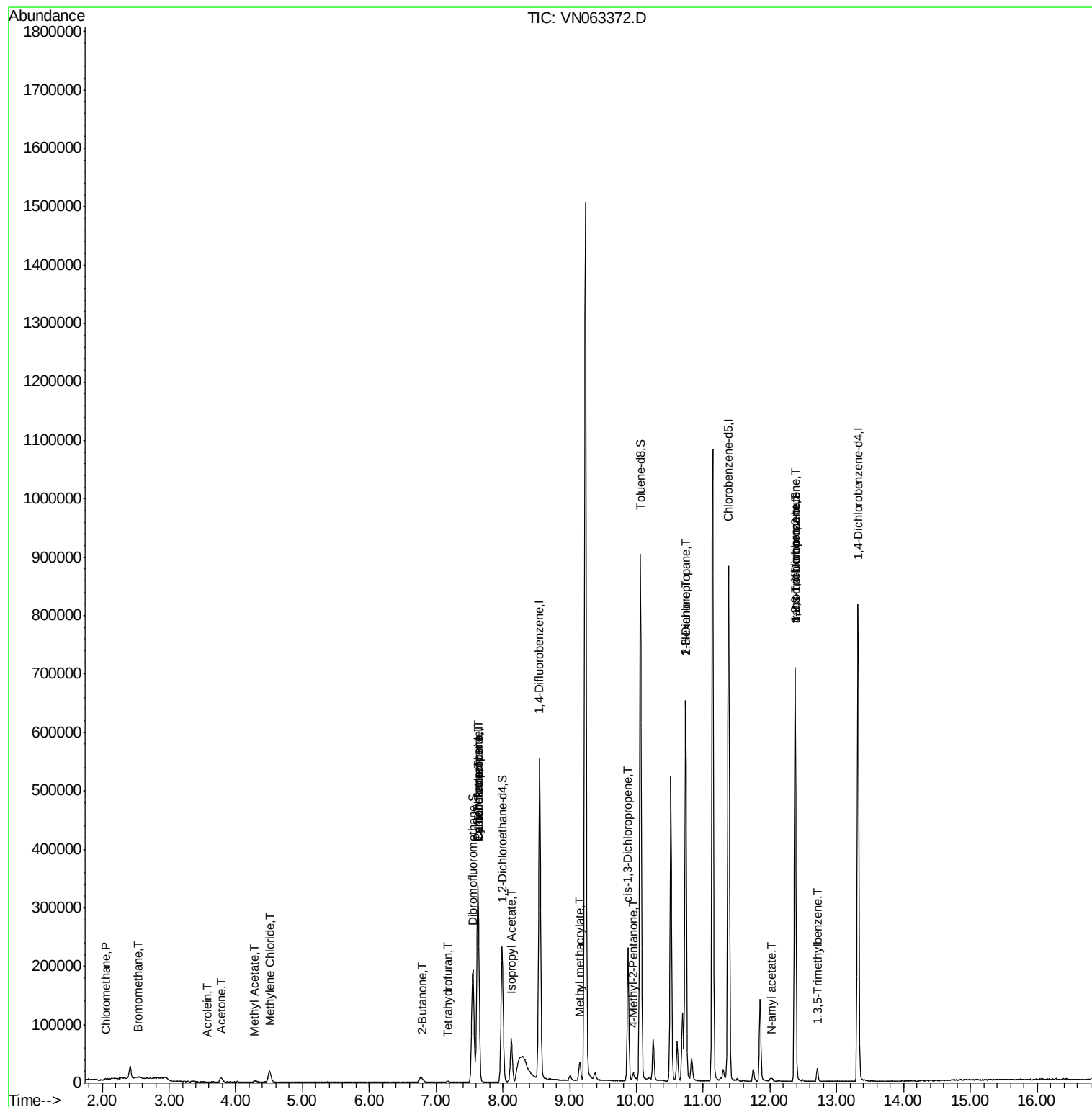
						Qvalue
3) Chloromethane	2.04	50	901	0.242	ug/l #	85
5) Bromomethane	2.54	94	543	0.277	ug/l	93
13) Acrolein	3.58	56	79	0.364	ug/l #	13
16) Acetone	3.78	43	13902	10.225	ug/l	94
18) Methyl Acetate	4.29	43	5227	1.514	ug/l #	70
20) Methylene Chloride	4.51	84	13626	3.955	ug/l	98
25) 2-Butanone	6.80	43	3502	1.675	ug/l	98
29) Tetrahydrofuran	7.18	42	728	0.510	ug/l #	75
31) Cyclohexane	7.62	56	7404	1.267	ug/l #	32
36) 1,1-Dichloropropene	7.63	75	23496	4.795	ug/l #	52
38) Carbon Tetrachloride	7.62	117	27499	5.497	ug/l #	16
43) Isopropyl Acetate	8.13	43	91047	10.587	ug/l	100
48) Methyl methacrylate	9.15	41	5448	1.289	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	10419	2.164	ug/l	94
54) cis-1,3-Dichloropropene	9.87	75	37886	6.185	ug/l #	60
57) 1,3-Dichloropropane	10.74	76	6822	1.132	ug/l #	42
59) 2-Hexanone	10.74	43	101470	29.092	ug/l #	53
74) N-amyl acetate	12.01	43	4674	0.626	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	134467	27.586	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	11194	0.851	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	134467	75.630	ug/l #	7

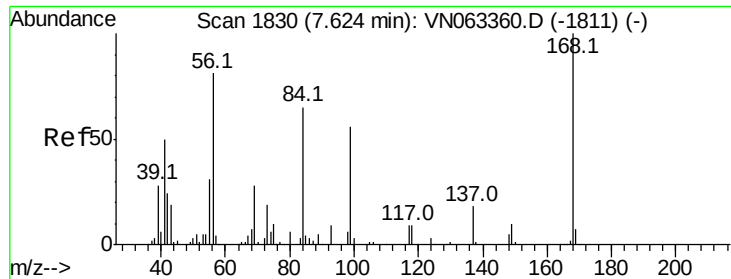
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

Instrument :

MSVOA_N

ClientSampleId :

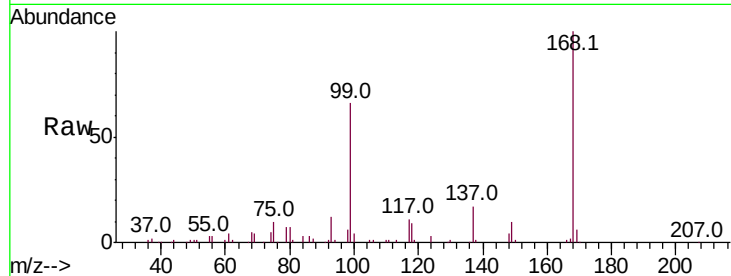
PB131646ZHE#05

Tot Ion:168 Resp: 248532

Ion Ratio Lower Upper

168 100

99 66.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

120000

100000

80000

60000

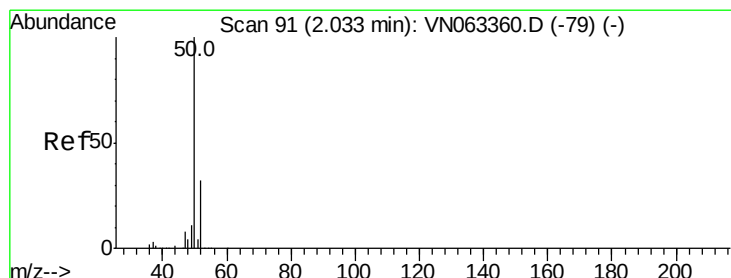
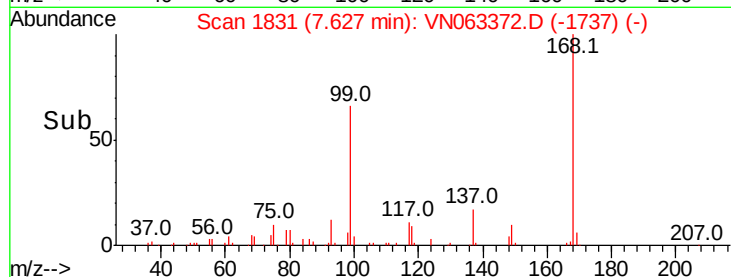
40000

20000

0

7.50 7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.242 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063372.D

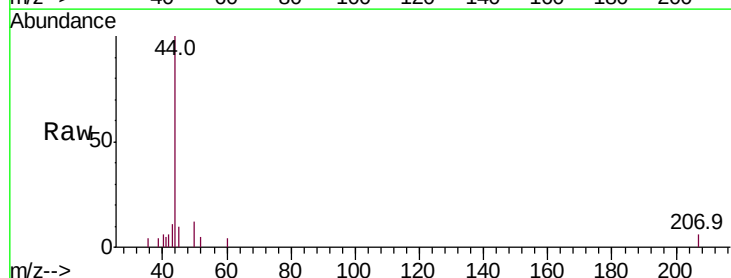
Acq: 16 Sep 2020 18:18

Tgt Ion: 50 Resp: 901

Ion Ratio Lower Upper

50 100

52 40.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

600

500

400

300

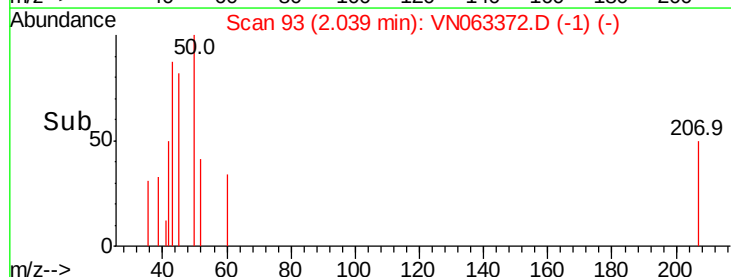
200

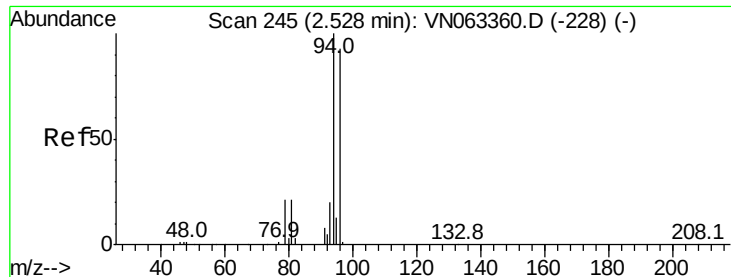
100

0

2.00 2.05

Time-->





#5

Bromomethane

Concen: 0.277 ug/l

RT: 2.54 min Scan# 250

Delta R.T. 0.02 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

Instrument :

MSVOA_N

ClientSampleId :

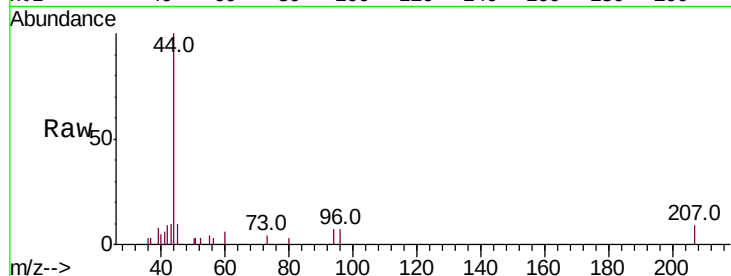
PB131646ZHE#05

Tot Ion: 94 Resp: 543

Ion Ratio Lower Upper

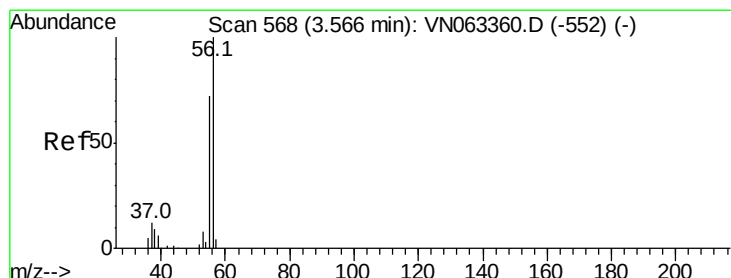
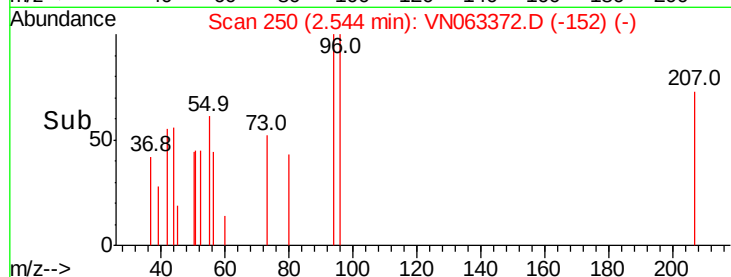
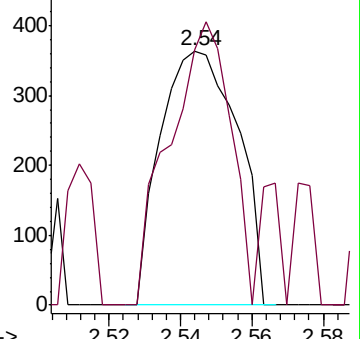
94 100

96 100.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#13

Acrolein

Concen: 0.364 ug/l

RT: 3.58 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN063372.D

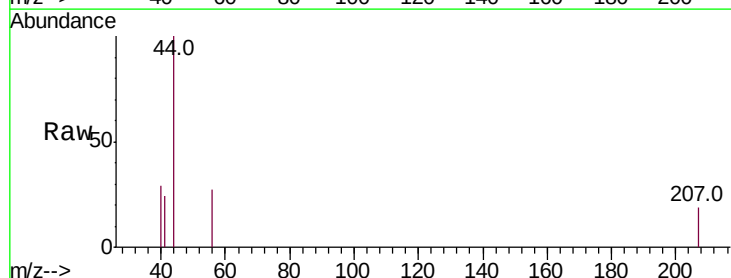
Acq: 16 Sep 2020 18:18

Tgt Ion: 56 Resp: 79

Ion Ratio Lower Upper

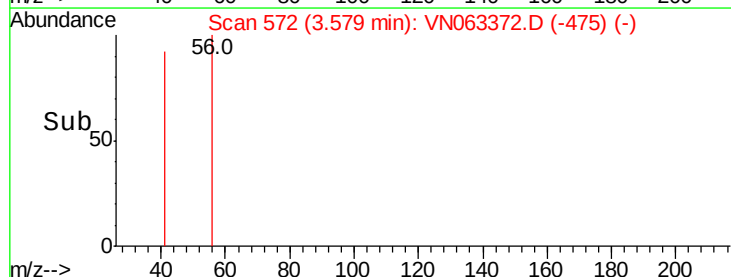
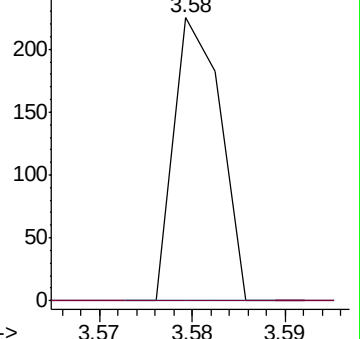
56 100

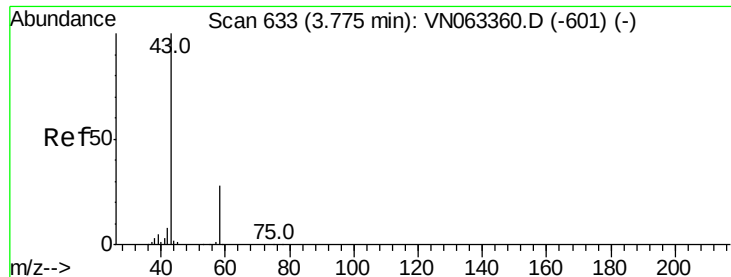
55 0.0 58.2 87.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 10.225 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

Instrument :

MSVOA_N

ClientSampleId :

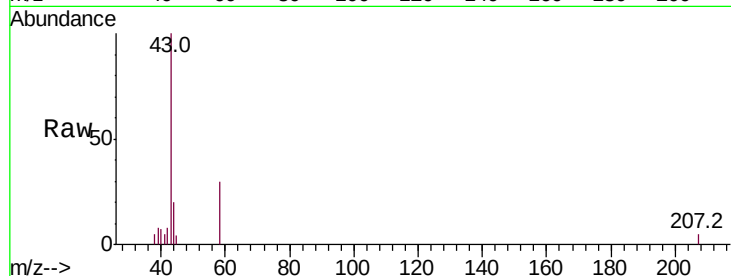
PB131646ZHE#05

Tot Ion: 43 Resp: 13902

Ion Ratio Lower Upper

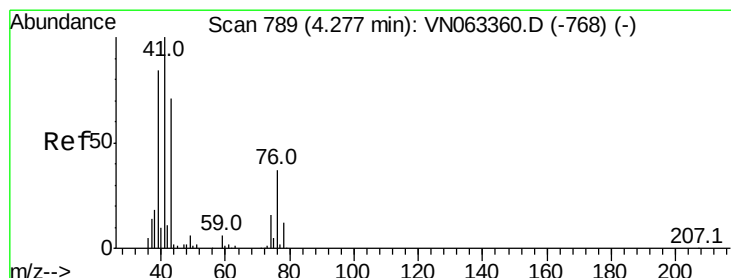
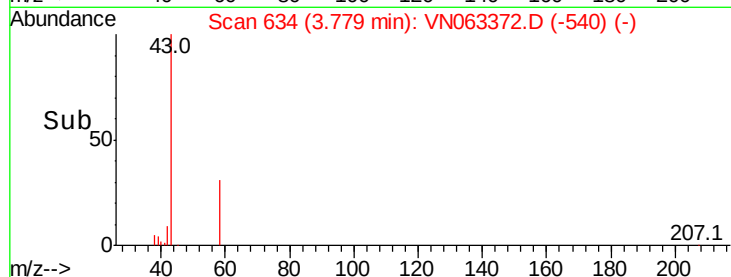
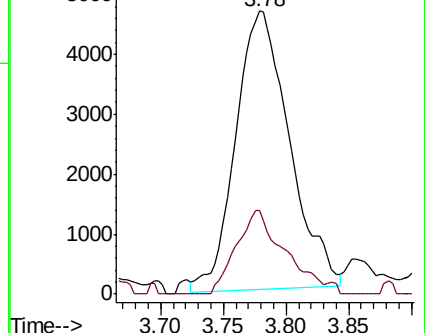
43 100

58 30.9 22.3 33.5



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

Ion 58.00 (57.70 to 58.70): VN063360.D (-601) (-)



#18

Methyl Acetate

Concen: 1.514 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN063372.D

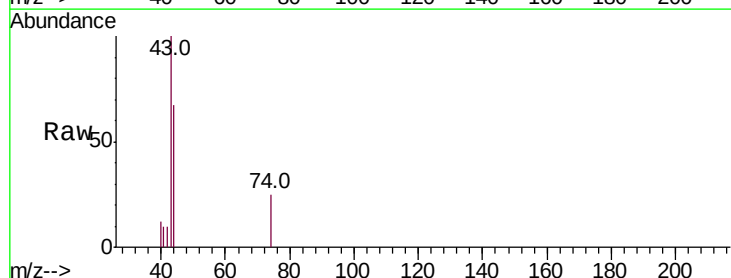
Acq: 16 Sep 2020 18:18

Tgt Ion: 43 Resp: 5227

Ion Ratio Lower Upper

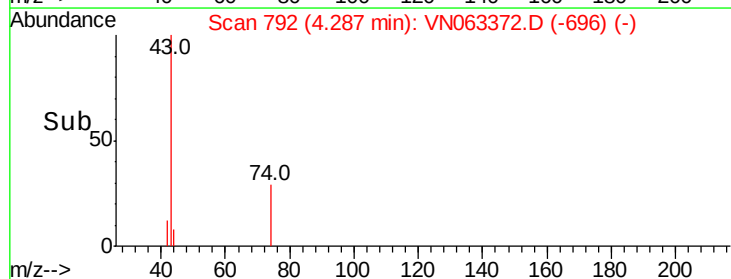
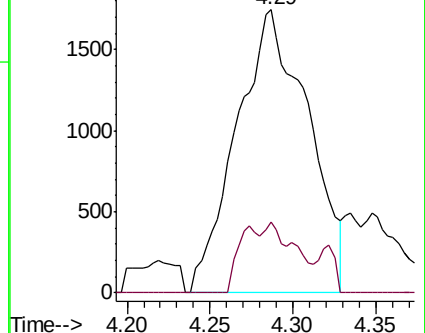
43 100

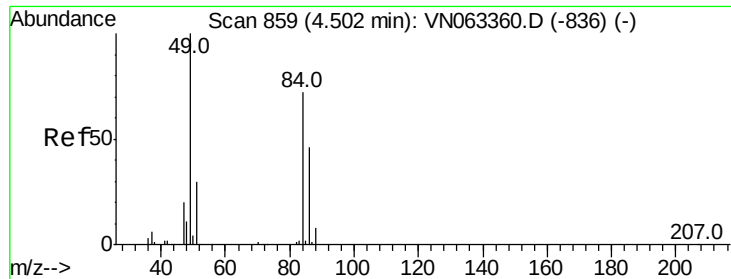
74 7.5 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN063360.D (-768) (-)

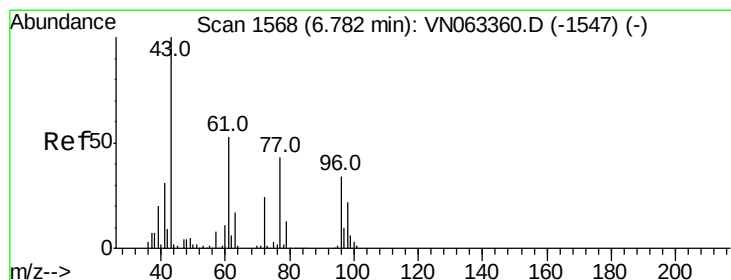
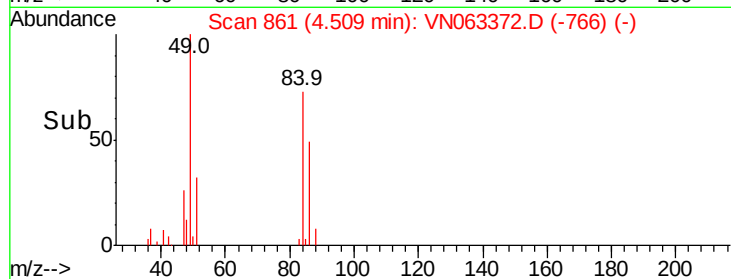
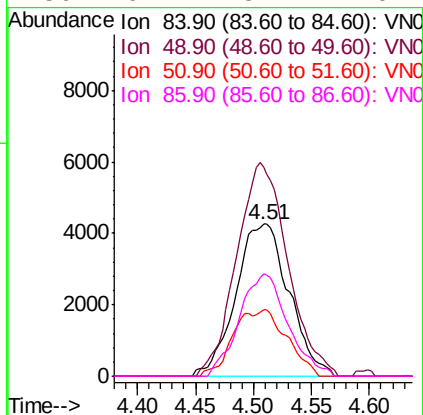
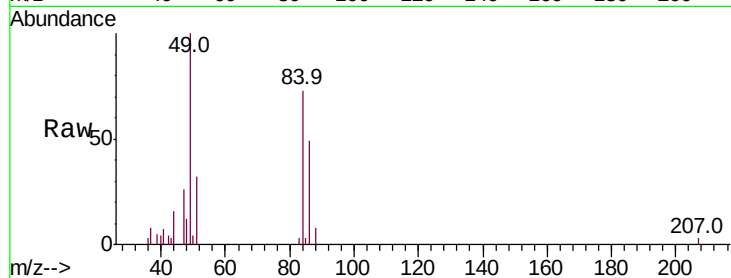




#20
Methvlene Chloride
Concen: 3.955 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063372.D
Acq: 16 Sep 2020 18:18

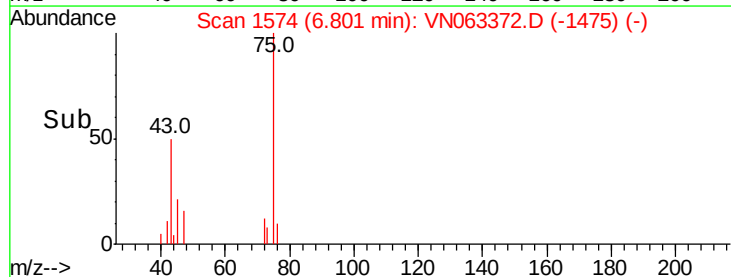
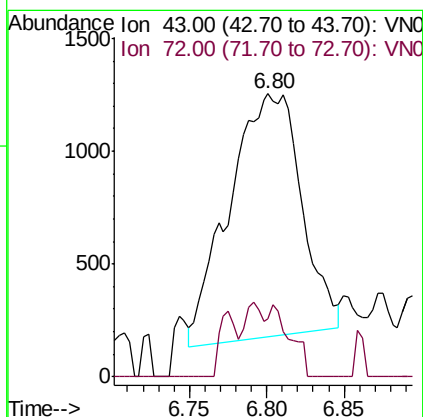
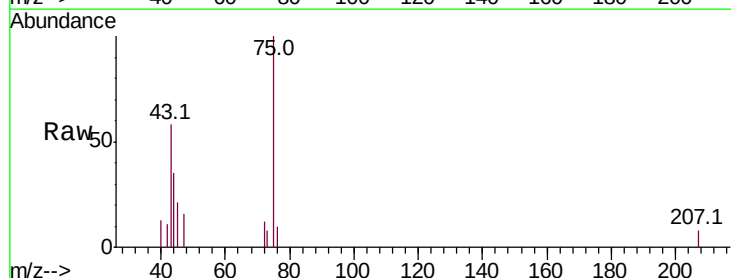
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#05

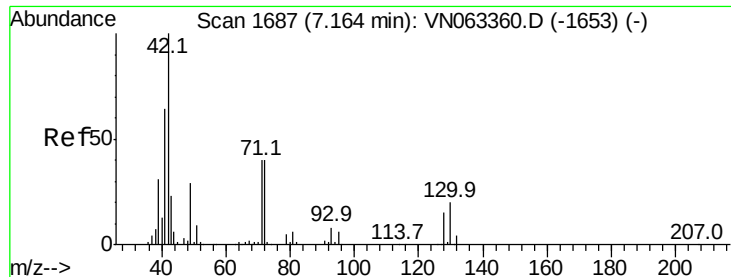
Tot Ion:	84	Resp:	13626
Ion	Ratio	Lower	Upper
84	100		
49	137.2	110.7	166.1
51	43.3	32.9	49.3
86	67.2	51.1	76.7



#25
2-Butanone
Concen: 1.675 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN063372.D
Acq: 16 Sep 2020 18:18

Tgt Ion:	43	Resp:	3502
Ion	Ratio	Lower	Upper
43	100		
72	24.9	19.2	28.8





#29

Tetrahydrofuran

Concen: 0.510 ug/l

RT: 7.18 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#05

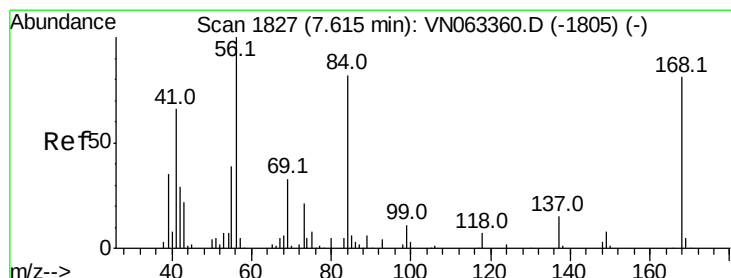
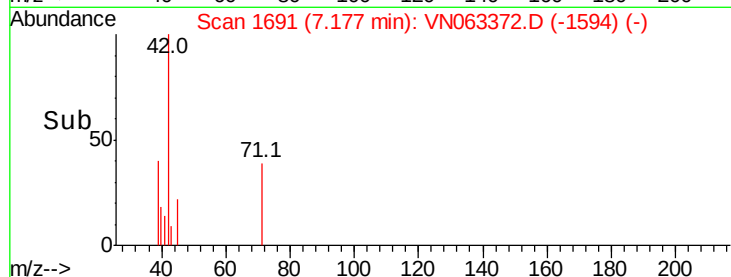
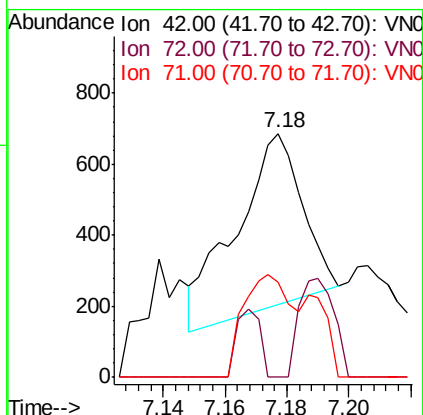
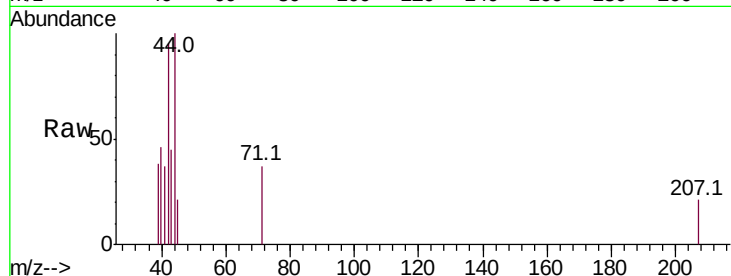
Tot Ion: 42 Resp: 728

Ion Ratio Lower Upper

42 100

72 13.7 32.1 48.1#

71 43.1 31.2 46.8



#31

Cyclohexane

Concen: 1.267 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

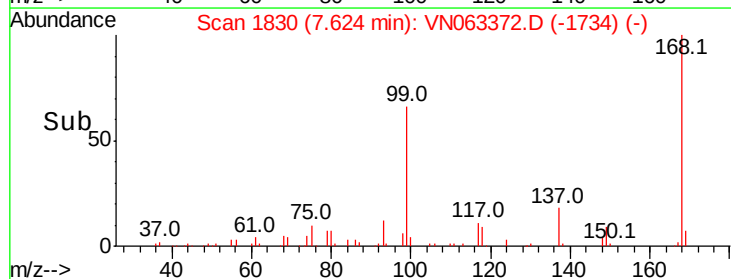
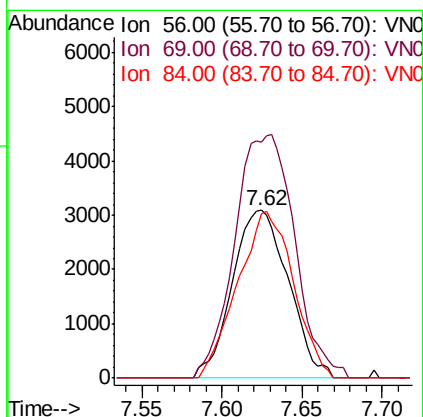
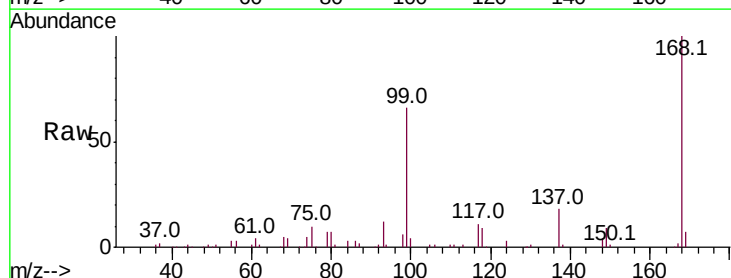
Tgt Ion: 56 Resp: 7404

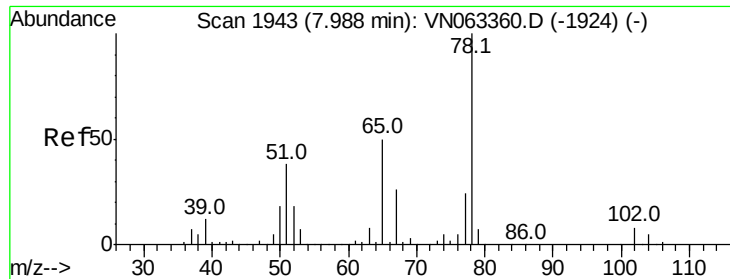
Ion Ratio Lower Upper

56 100

69 140.7 26.1 39.1#

84 98.2 65.4 98.2#

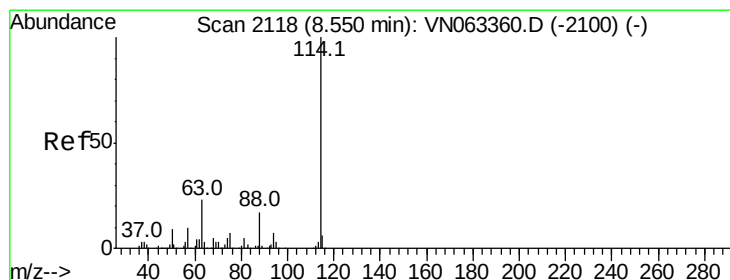
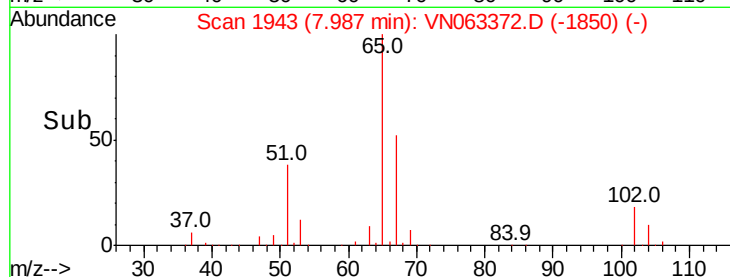
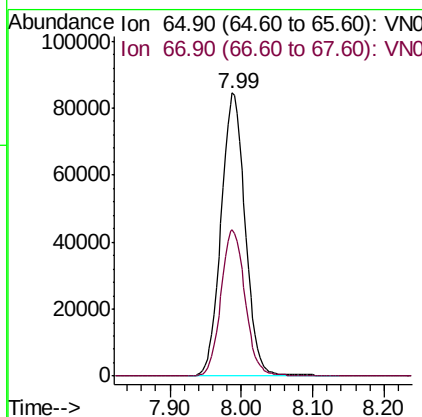
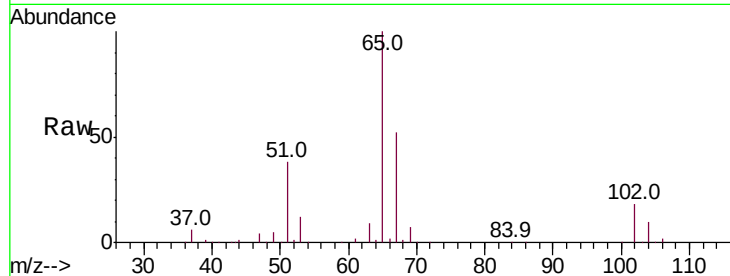




#33
 1,2-Dichloroethane-d4
 Concen: 47.030 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063372.D
 Acq: 16 Sep 2020 18:18

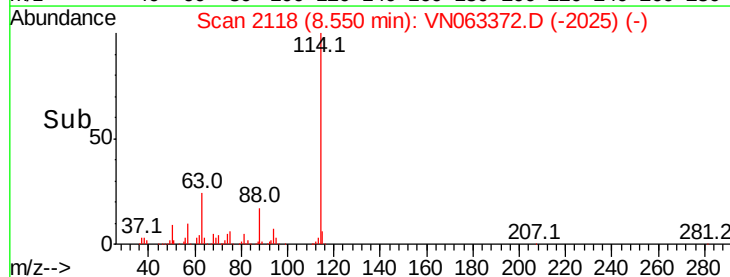
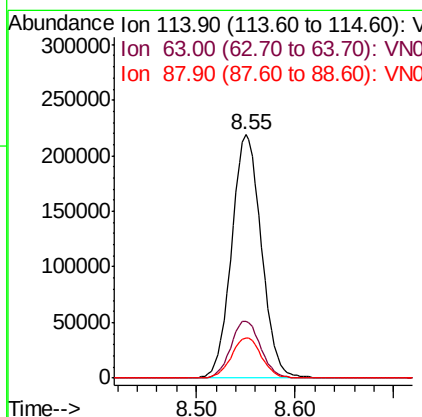
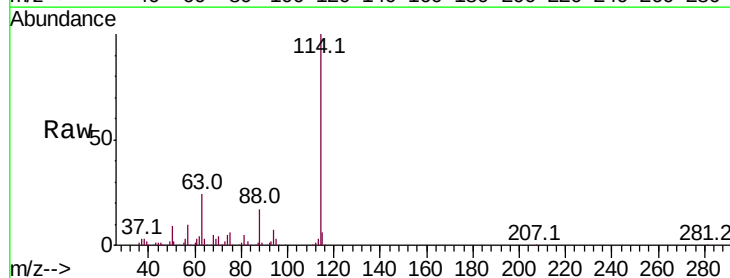
Instrument :
 MSVOA_N
 ClientSampleId :
 PB131646ZHE#05

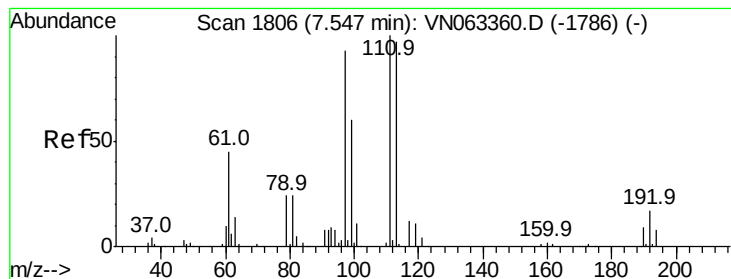
Tot Ion: 65 Resp: 198968
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063372.D
 Acq: 16 Sep 2020 18:18

Tgt Ion: 114 Resp: 459963
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.4
 88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.186 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#05

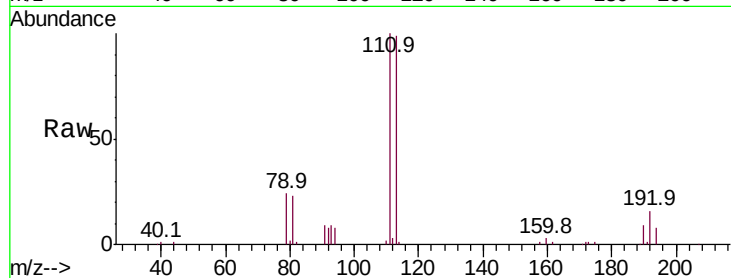
Tot Ion:113 Resp: 150251

Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

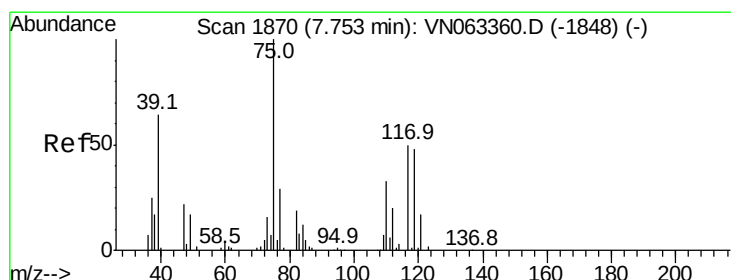
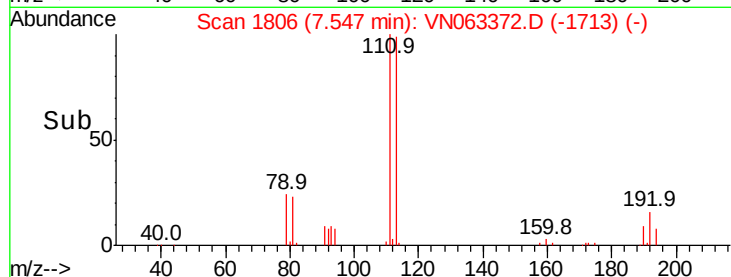
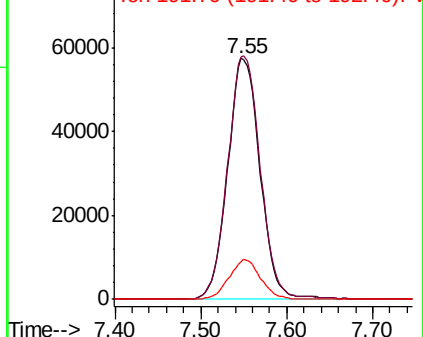
192 16.1 13.9 20.9



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: 4.795 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

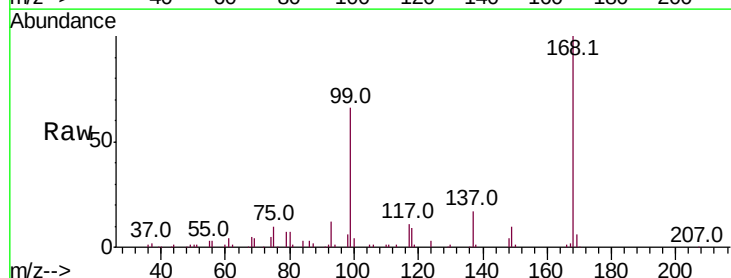
Tgt Ion: 75 Resp: 23496

Ion Ratio Lower Upper

75 100

110 9.8 16.5 49.5#

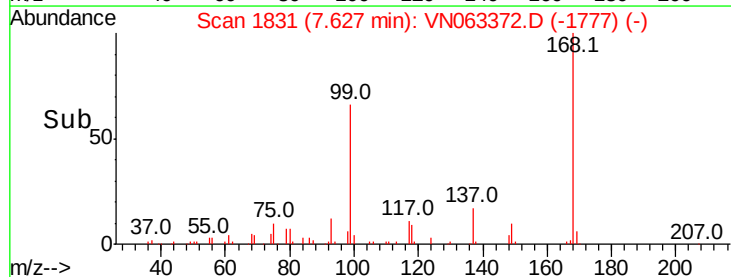
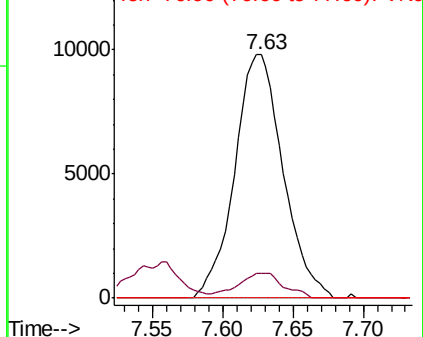
77 0.0 24.6 36.8#

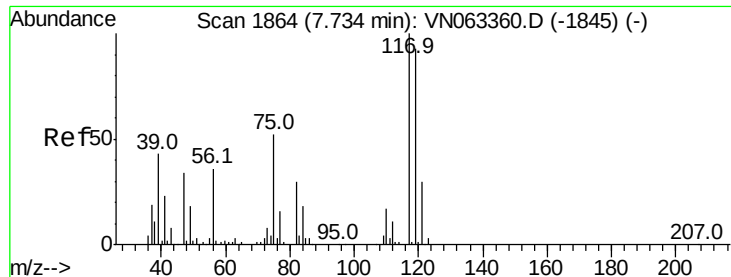


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 5.497 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#05

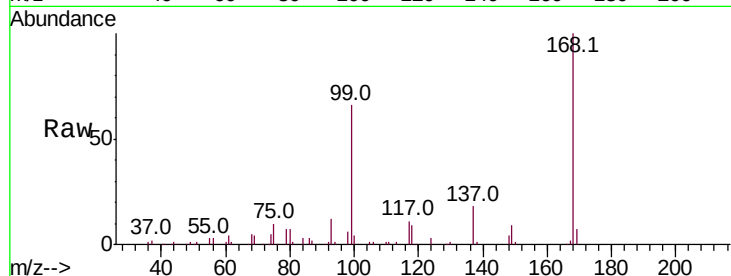
Tot Ion:117 Resp: 27499

Ion Ratio Lower Upper

117 100

119 4.1 74.5 111.7#

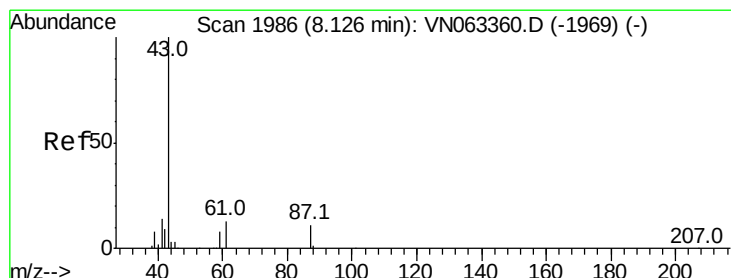
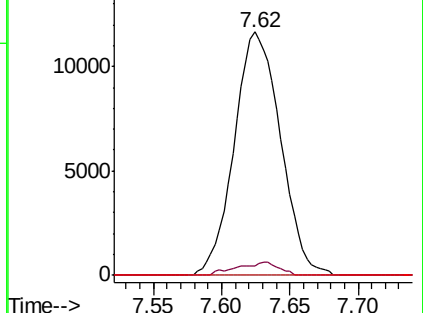
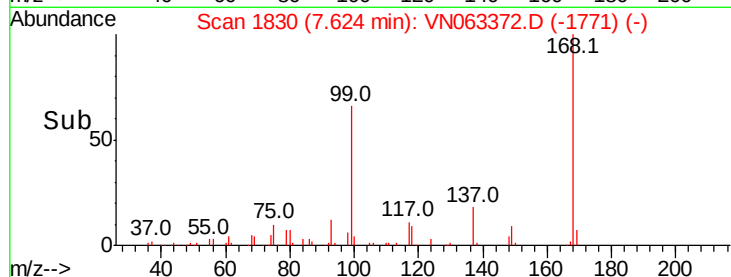
121 0.0 24.1 36.1#



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



#43

Isopropyl Acetate

Concen: 10.587 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

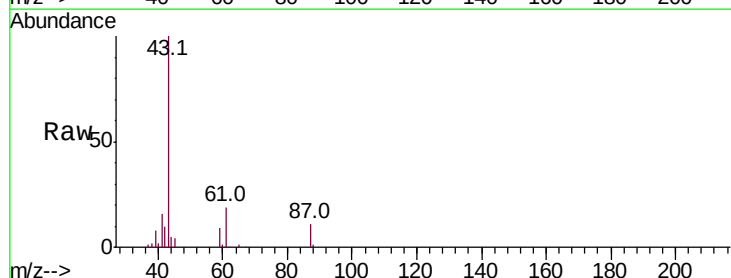
Tgt Ion: 43 Resp: 91047

Ion Ratio Lower Upper

43 100

61 17.7 14.2 21.2

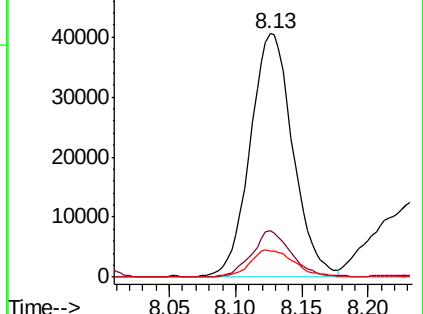
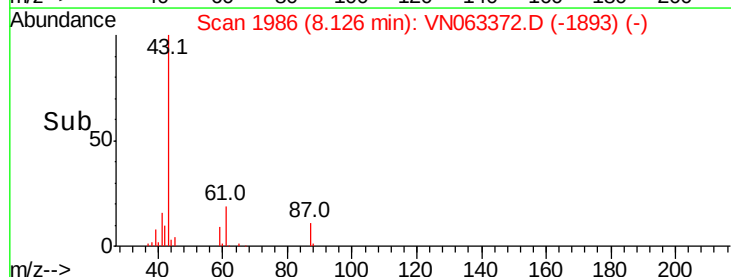
87 11.3 9.0 13.6

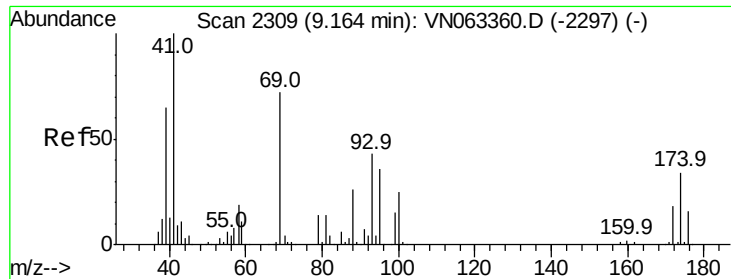


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

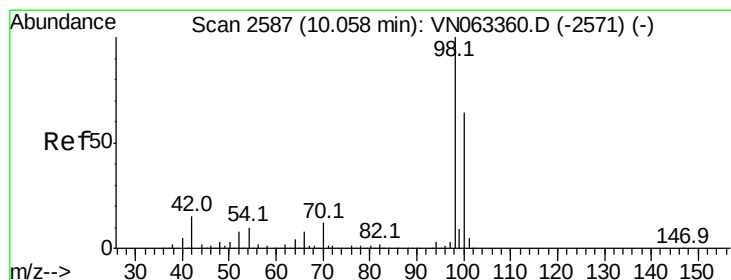
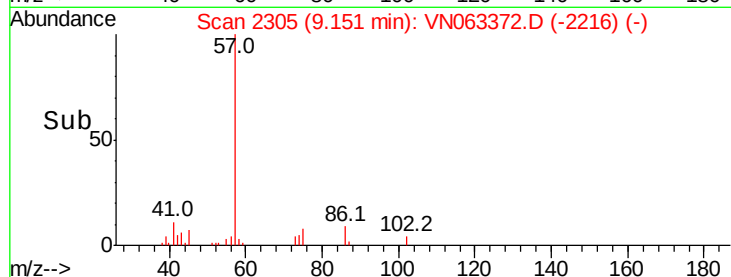
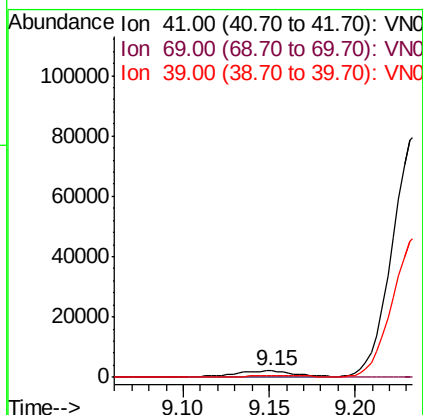
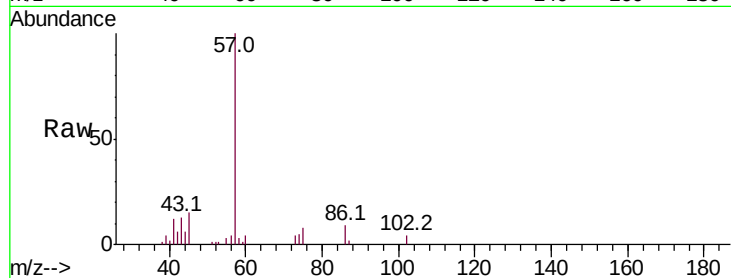




#48
Methvl methacrylate
Concen: 1.289 ug/l
RT: 9.15 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VN063372.D
Acq: 16 Sep 2020 18:18

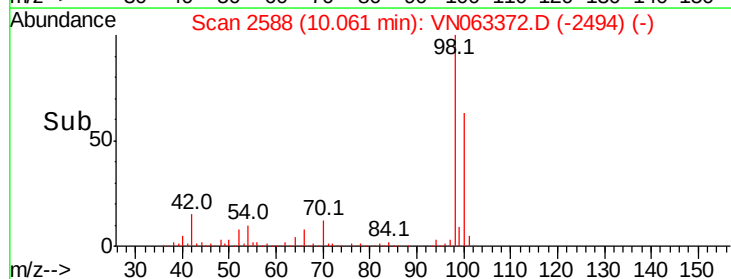
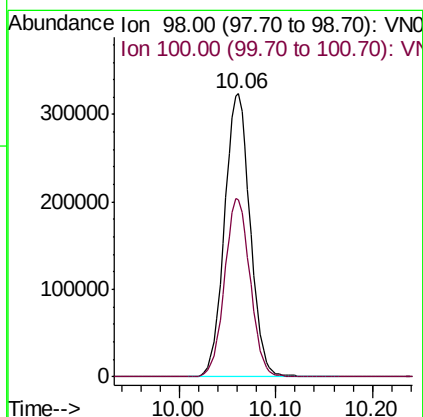
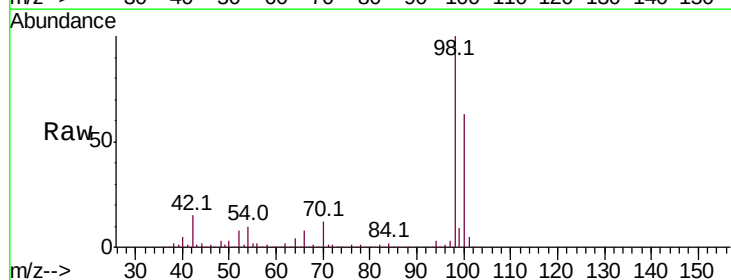
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#05

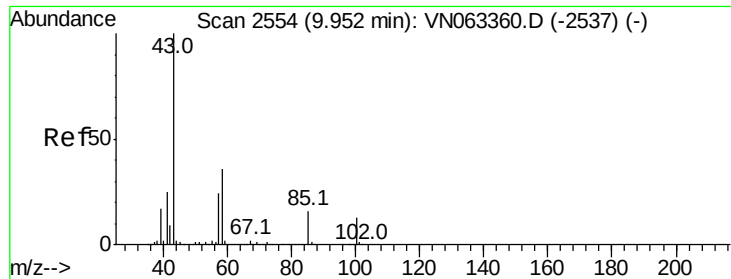
Tot Ion: 41 Resp: 5448
Ion Ratio Lower Upper
41 100
69 0.0 59.3 88.9#
39 0.0 52.9 79.3#



#50
Toluene-d8
Concen: 49.741 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063372.D
Acq: 16 Sep 2020 18:18

Tgt Ion: 98 Resp: 595561
Ion Ratio Lower Upper
98 100
100 62.8 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 2.164 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

Instrument :

MSVOA_N

ClientSampleId :

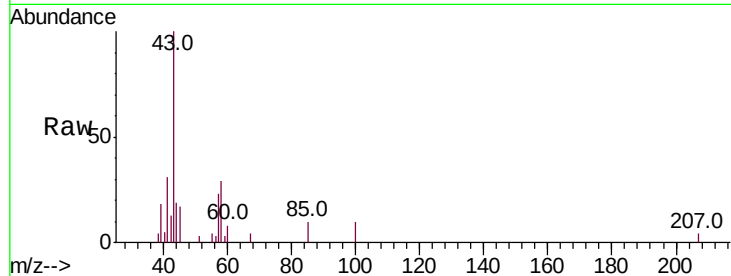
PB131646ZHE#05

Tot Ion: 43 Resp: 10419

Ion Ratio Lower Upper

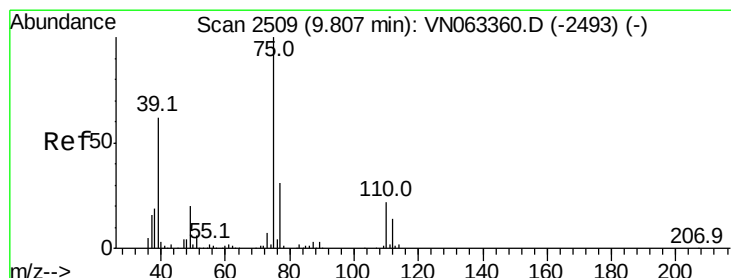
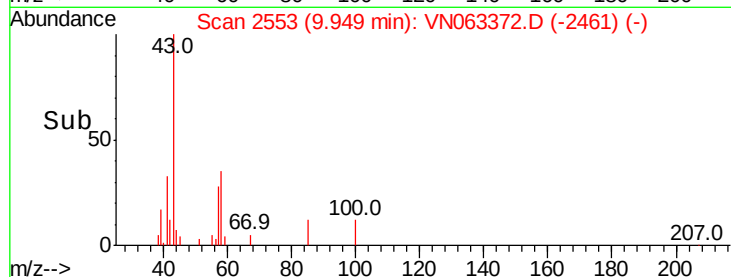
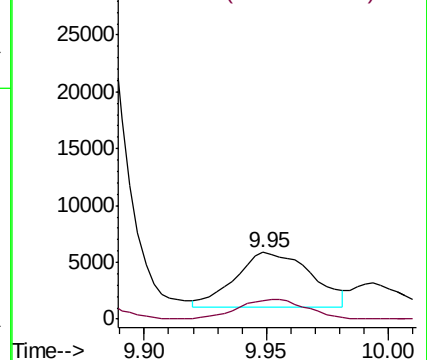
43 100

58 32.6 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#54

cis-1,3-Dichloropropene

Concen: 6.185 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

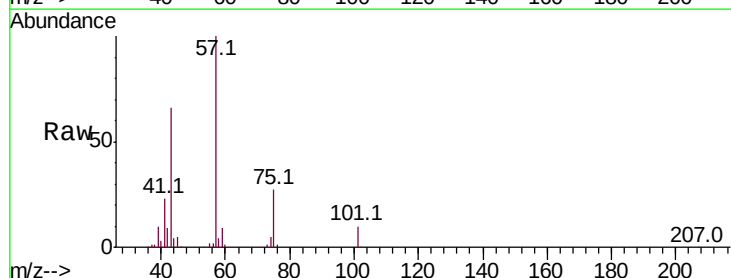
Tgt Ion: 75 Resp: 37886

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

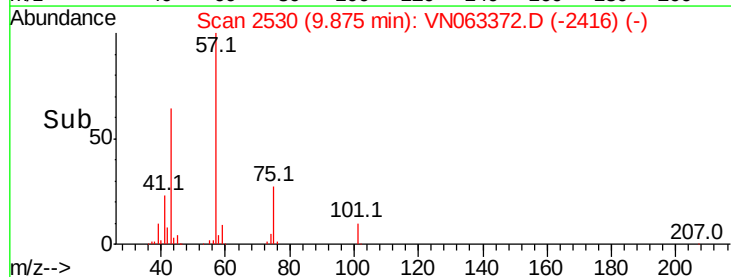
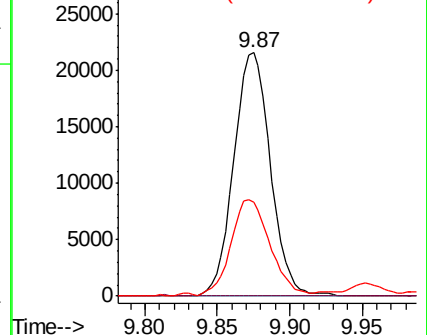
39 37.8 49.8 74.8#

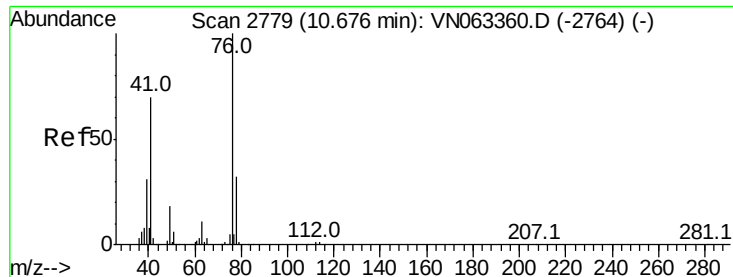


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 1.132 ug/l

RT: 10.74 min Scan# 2799

Delta R.T. 0.06 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

Instrument :

MSVOA_N

ClientSampleId :

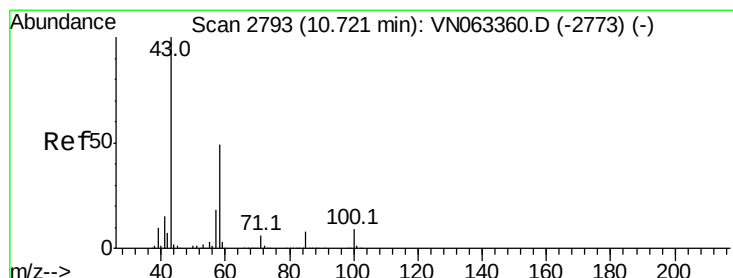
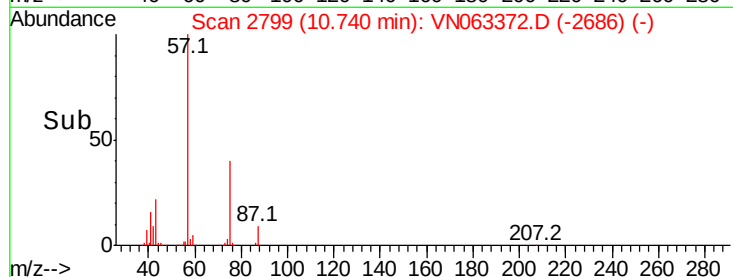
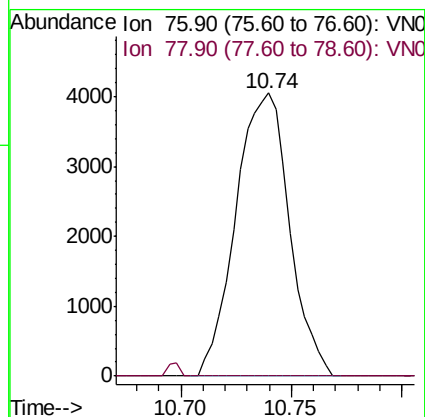
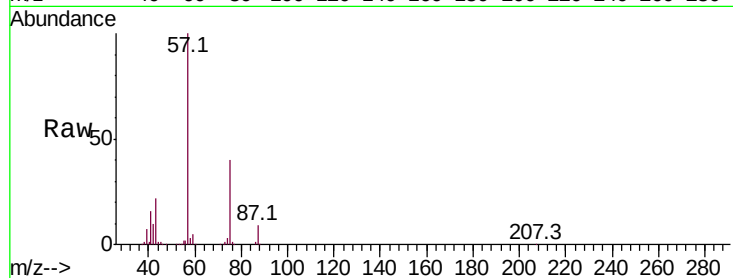
PB131646ZHE#05

Tot Ion: 76 Resp: 6822

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 29.092 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063372.D

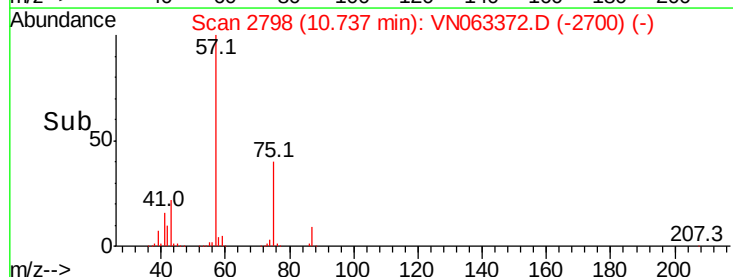
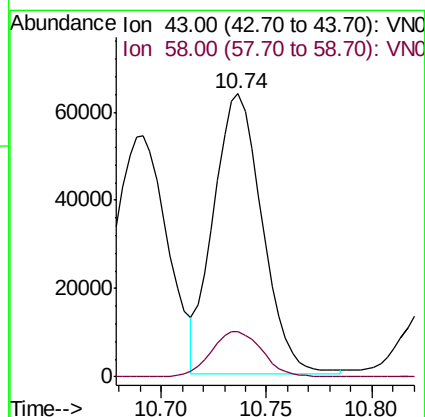
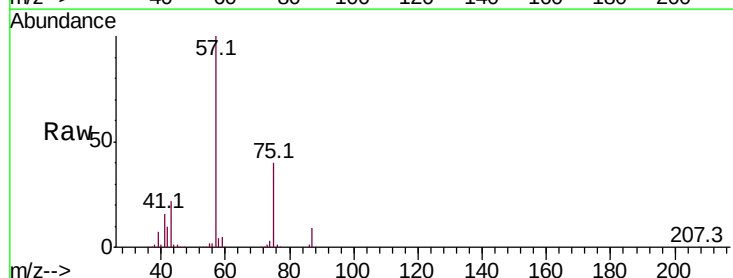
Acq: 16 Sep 2020 18:18

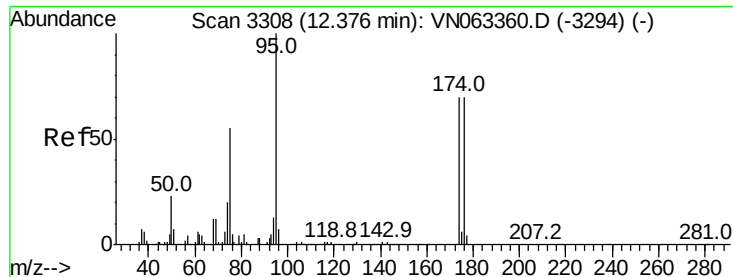
Tgt Ion: 43 Resp: 101470

Ion Ratio Lower Upper

43 100

58 17.1 24.7 74.1#





#62

4-Bromofluorobenzene

Concen: 54.782 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#05

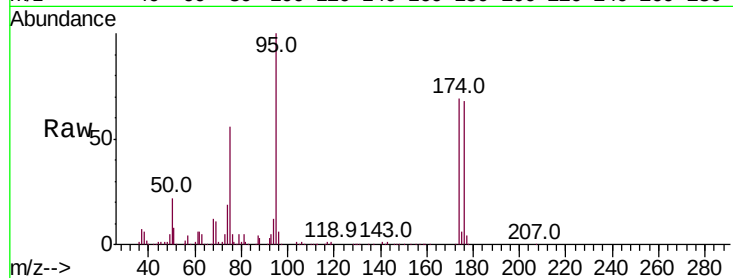
Tot Ion: 95 Resp: 240447

Ion Ratio Lower Upper

95 100

174 69.4 0.0 140.8

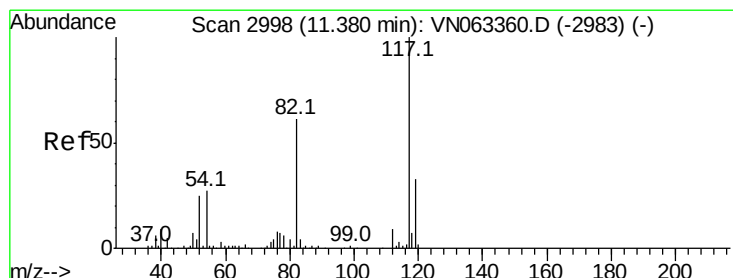
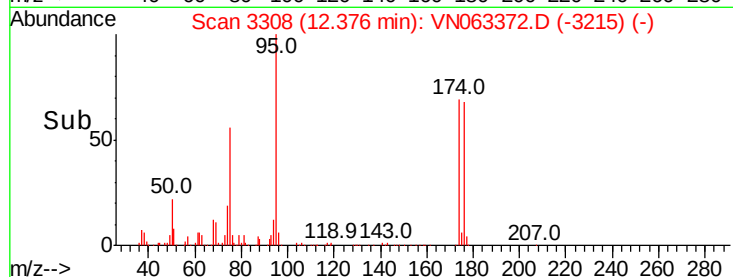
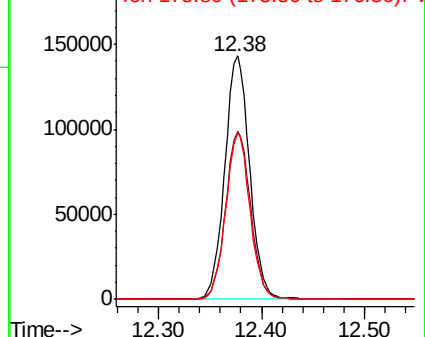
176 66.9 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063372.D (-2905) (-)

Ion 173.80 (173.50 to 174.50): VN063372.D (-2905) (-)

Ion 175.80 (175.50 to 176.50): VN063372.D (-2905) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

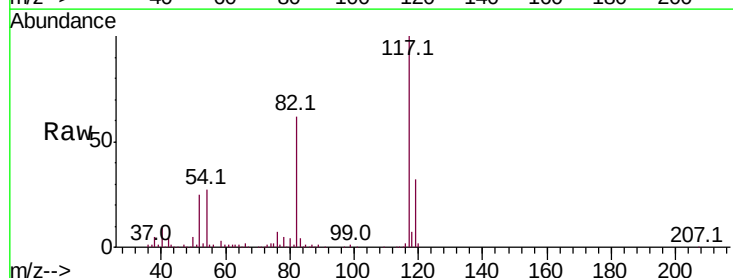
Tgt Ion: 117 Resp: 457721

Ion Ratio Lower Upper

117 100

82 62.0 49.2 73.8

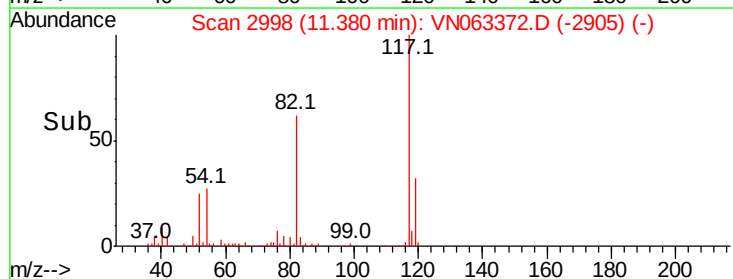
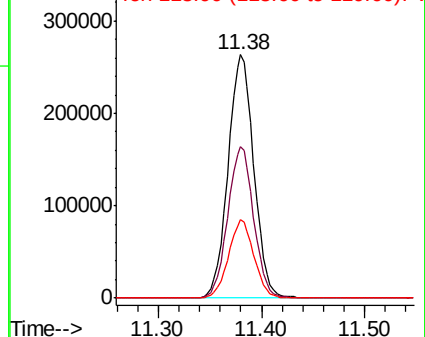
119 32.0 26.2 39.4

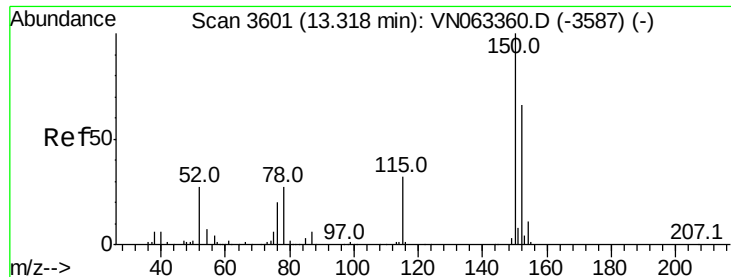


Abundance Ion 116.90 (116.60 to 117.60): VN063372.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063372.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063372.D (-2905) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#05

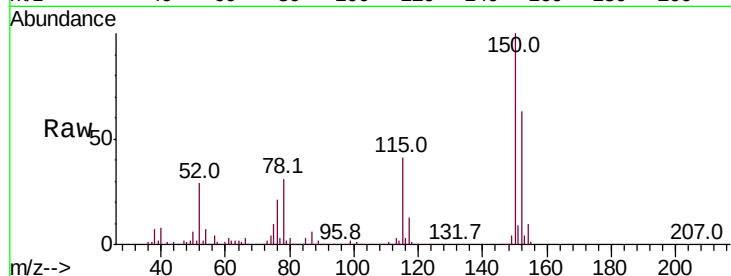
Tot Ion:152 Resp: 196937

Ion Ratio Lower Upper

152 100

115 65.8 32.2 96.6

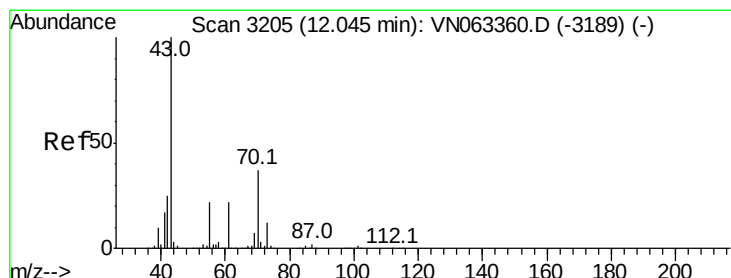
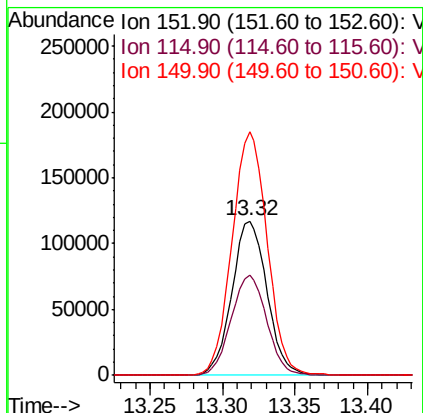
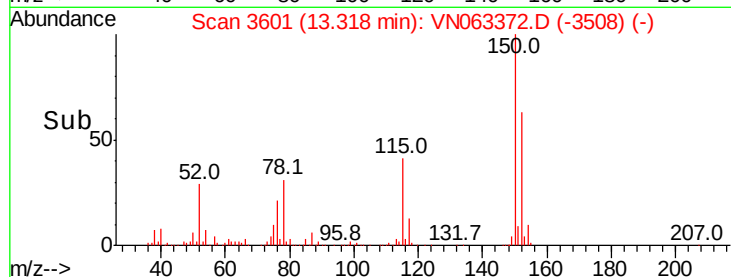
150 158.5 0.0 343.4



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: 0.626 ug/l

RT: 12.01 min Scan# 3194

Delta R.T. -0.04 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

Tgt Ion: 43 Resp: 4674

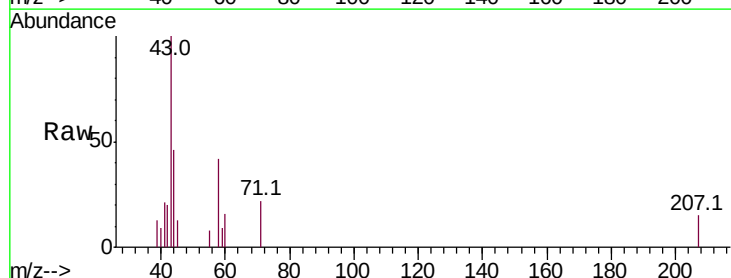
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 5.6 17.7 26.5#

61 0.0 17.4 26.2#

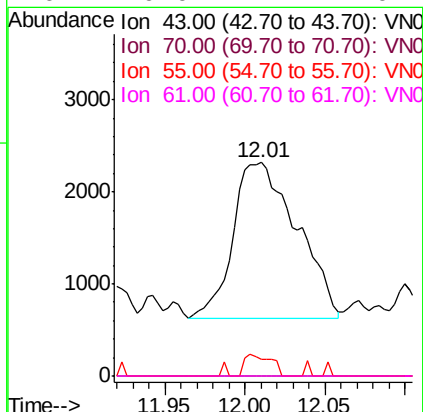
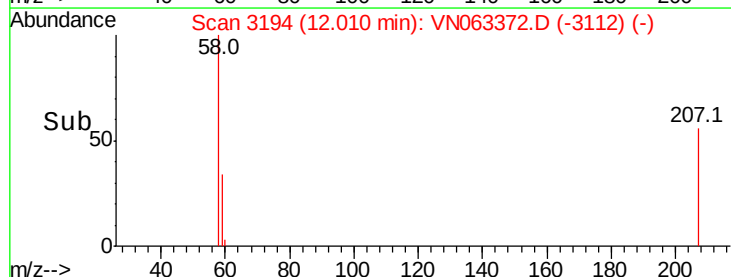


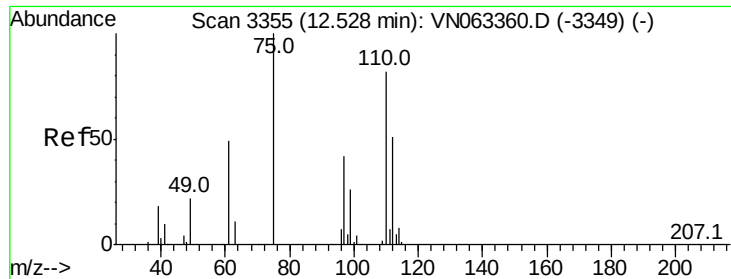
Abundance Ion 43.00 (42.70 to 43.70): VN0

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

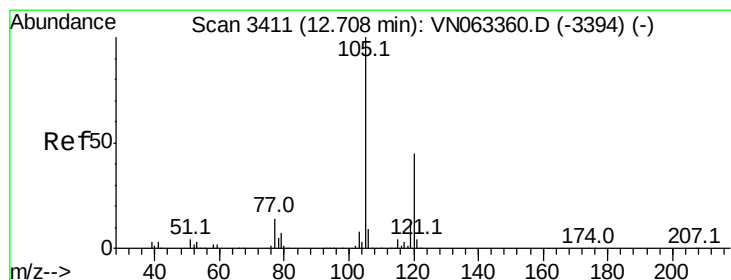
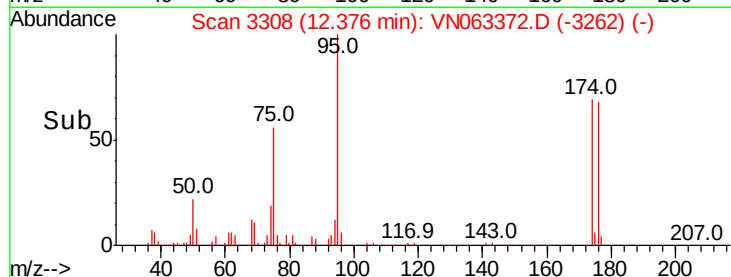
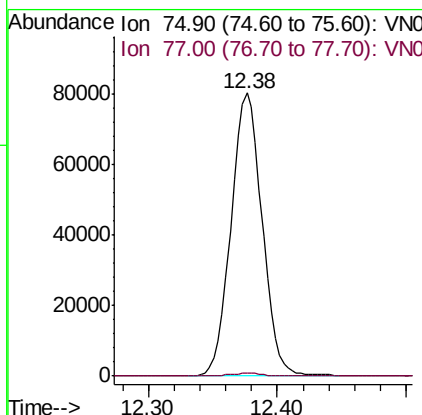
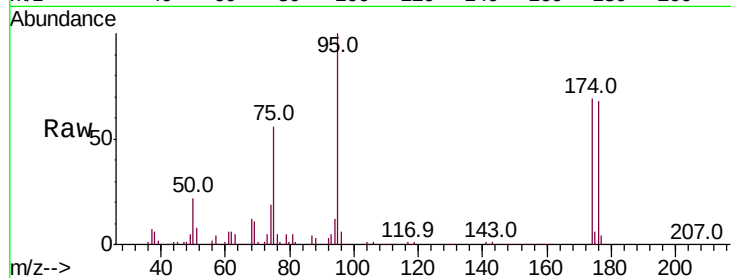




#76
 1,2,3-Trichloropropane
 Concen: 27.586 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063372.D
 Acq: 16 Sep 2020 18:18

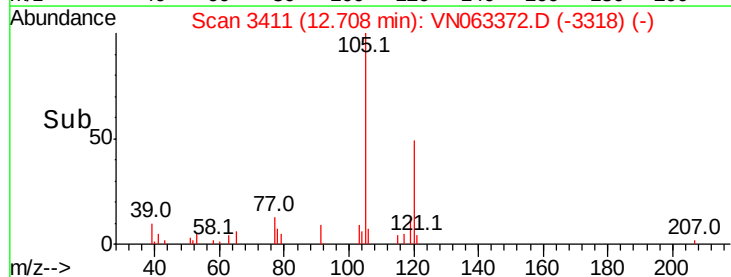
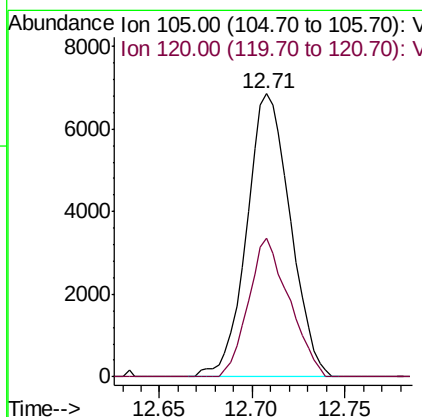
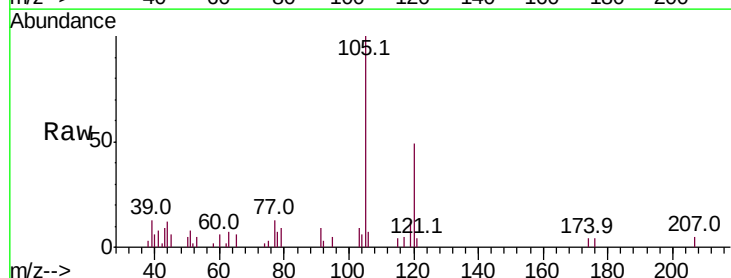
Instrument :
 MSVOA_N
 ClientSampleId :
 PB131646ZHE#05

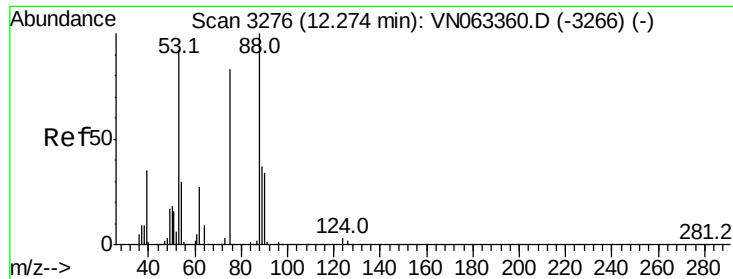
Tot Ion: 75 Resp: 134467
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.851 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063372.D
 Acq: 16 Sep 2020 18:18

Tgt Ion:105 Resp: 11194
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 75.630 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063372.D

Acq: 16 Sep 2020 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#05

Tot Ion: 75 Resp: 134467

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

