

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063569.D
 Acq On : 23 Sep 2020 6:52
 Operator : JC/MD
 Sample : PB131772ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131772ZHE#07

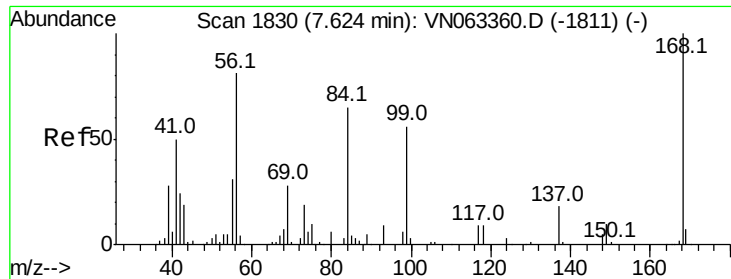
Quant Time: Sep 23 07:24:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	205580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	396841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	399467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	168514	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	178382	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
35) Dibromofluoromethane	7.55	113	126905	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
50) Toluene-d8	10.06	98	515660	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.38	95	200072	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	782	1.613	ug/l #	72
16) Acetone	3.78	43	33697	29.961	ug/l	97
18) Methyl Acetate	4.29	43	2626	0.920	ug/l #	91
20) Methylene Chloride	4.50	84	18670	6.552	ug/l	96
25) 2-Butanone	6.79	43	2206	1.275	ug/l	93
29) Tetrahydrofuran	7.17	42	1229	1.040	ug/l #	65
31) Cyclohexane	7.62	56	6168	1.276	ug/l #	37
36) 1,1-Dichloropropene	7.62	75	19379	4.584	ug/l #	49
38) Carbon Tetrachloride	7.63	117	23367	5.414	ug/l #	18
43) Isopropyl Acetate	8.13	43	77277	10.415	ug/l	99
45) 1,2-Dichloropropane	9.23	63	1723	0.524	ug/l #	43
48) Methyl methacrylate	9.14	41	4620	1.267	ug/l #	15
49) 1,4-Dioxane	9.18	88	31	0.593	ug/l #	20
51) 4-Methyl-2-Pentanone	9.96	43	10373	2.497	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	30412	5.754	ug/l #	65
56) Ethyl methacrylate	10.51	69	1718	0.382	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5578	1.073	ug/l #	42
59) 2-Hexanone	10.74	43	91221	30.314	ug/l #	55
74) N-amyl acetate	12.04	43	1404	0.220	ug/l #	47
76) 1,2,3-Trichloropropane	12.38	75	110903	26.589	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3571	0.317	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.38	75	110903	72.898	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: VN063569.D

Acq: 23 Sep 2020 6:52

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ClientSampleId :

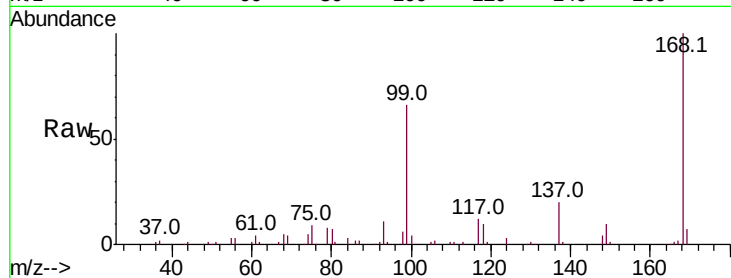
PB131772ZHE#07

Tot Ion:168 Resp: 205580

Ion Ratio Lower Upper

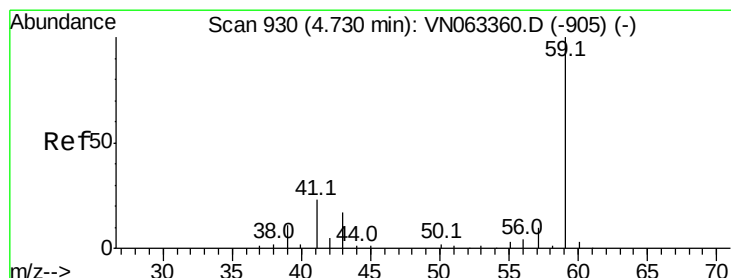
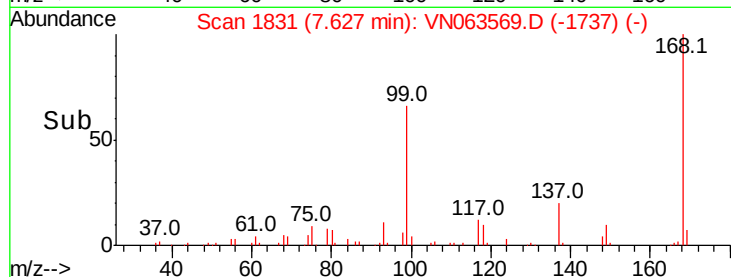
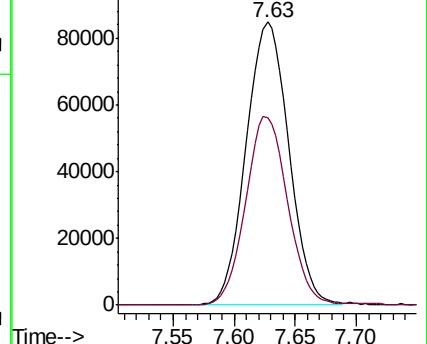
168 100

99 66.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 1.613 ug/l

RT: 4.73 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN063569.D

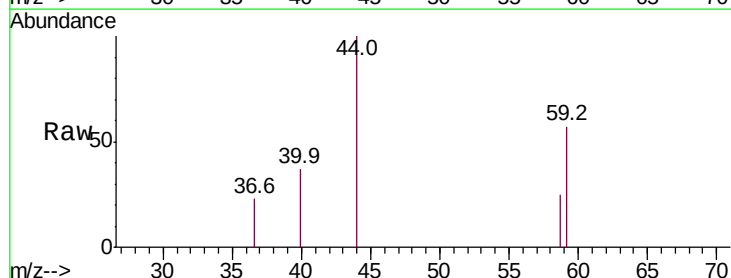
Acq: 23 Sep 2020 6:52

Tgt Ion: 59 Resp: 782

Ion Ratio Lower Upper

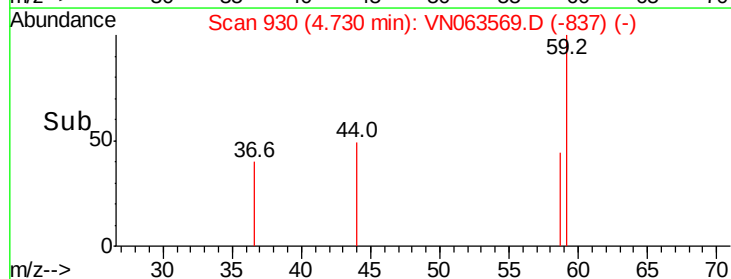
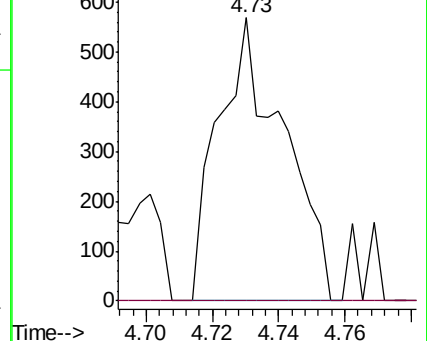
59 100

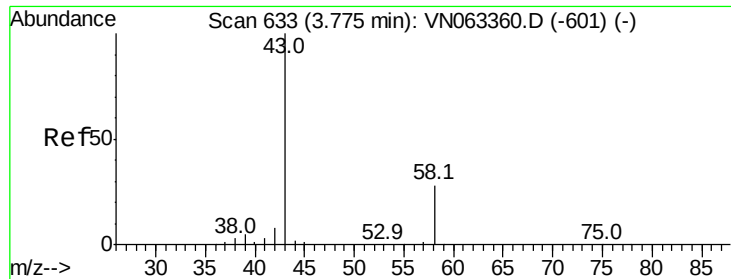
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 29.961 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063569.D

Acq: 23 Sep 2020 6:52

Instrument :

MSVOA_N

ClientSampleId :

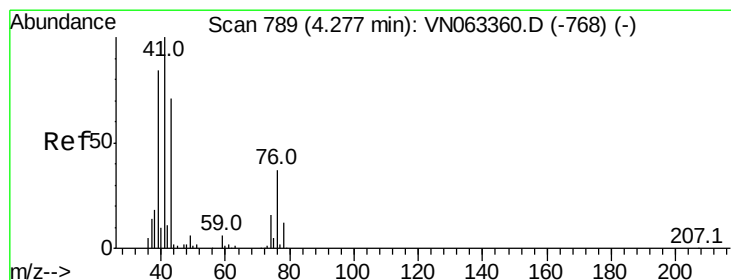
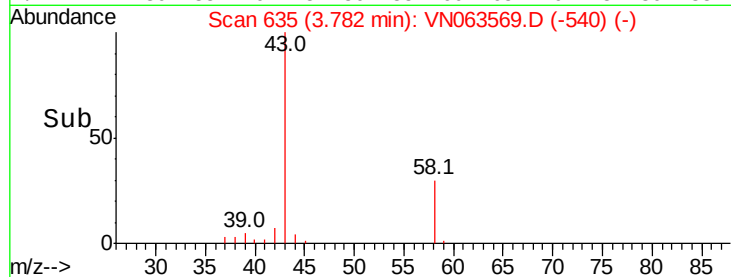
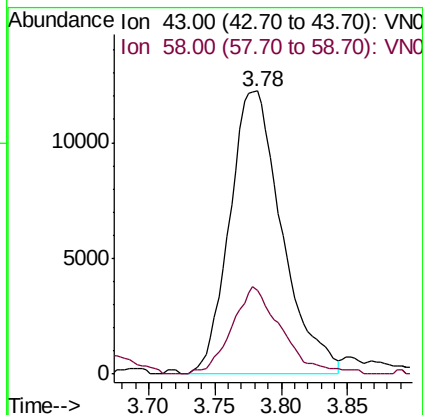
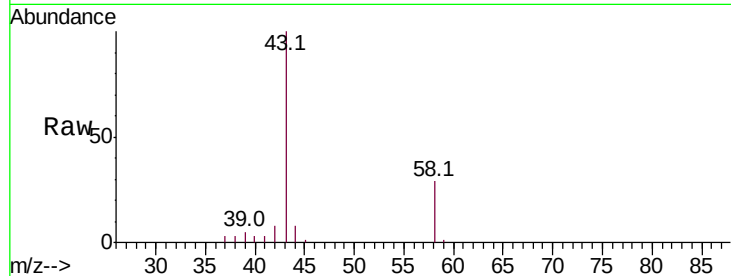
PB131772ZHE#07

Tot Ion: 43 Resp: 33697

Ion Ratio Lower Upper

43 100

58 29.4 22.3 33.5



#18

Methyl Acetate

Concen: 0.920 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN063569.D

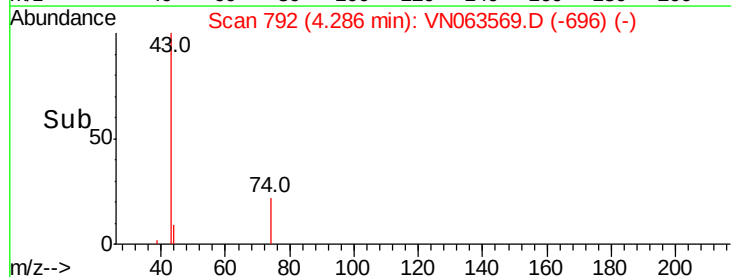
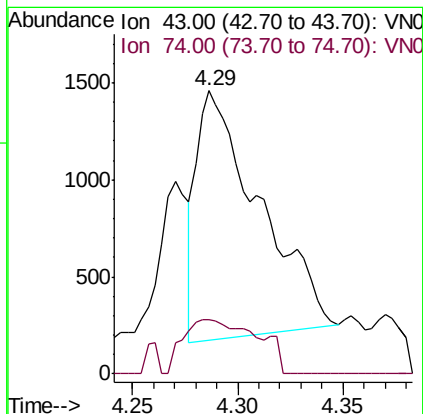
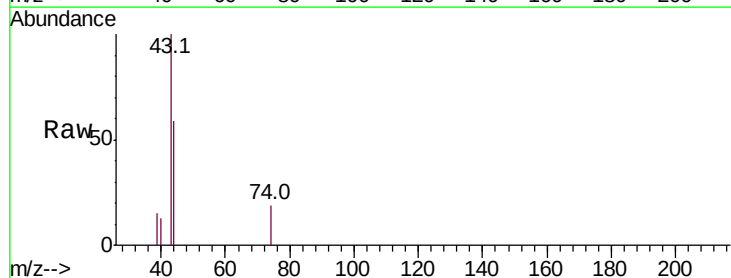
Acq: 23 Sep 2020 6:52

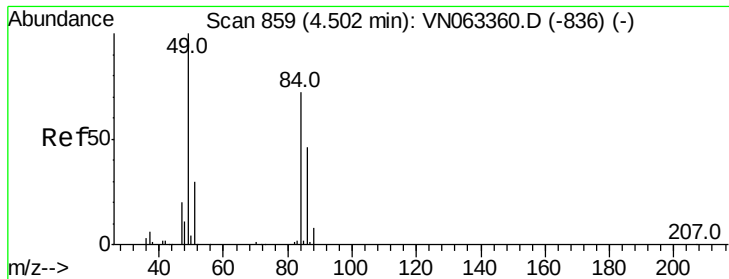
Tgt Ion: 43 Resp: 2626

Ion Ratio Lower Upper

43 100

74 26.2 17.4 26.2#

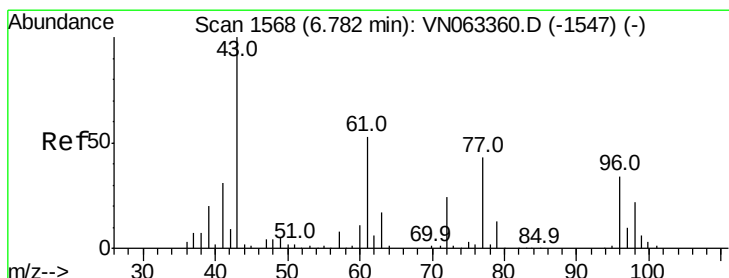
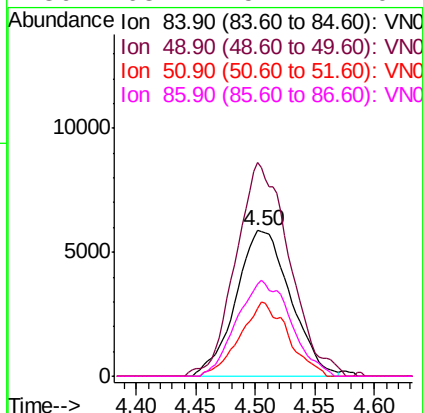
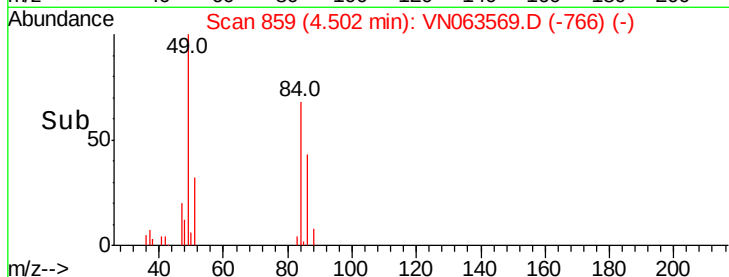
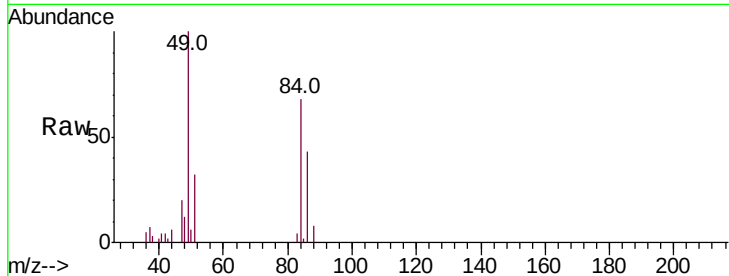




#20
Methylene Chloride
Concen: 6.552 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063569.D
Acq: 23 Sep 2020 6:52

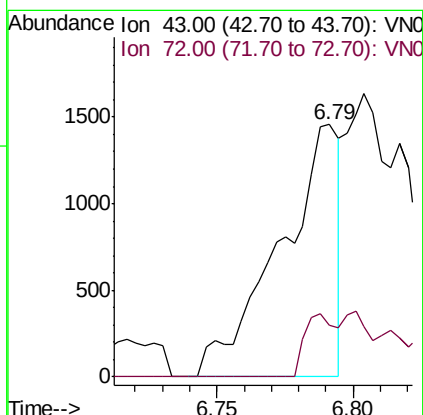
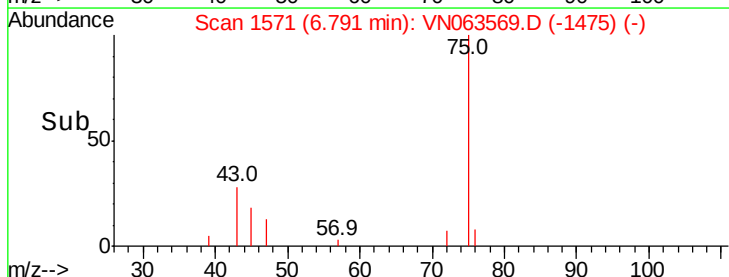
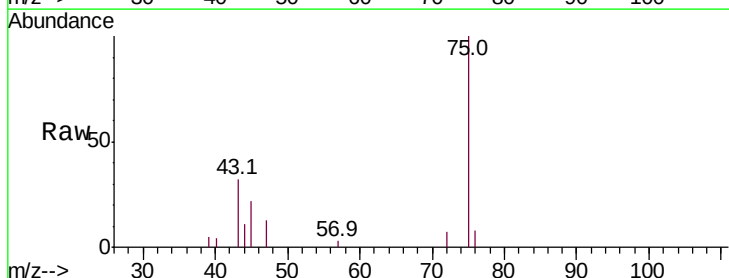
Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#07

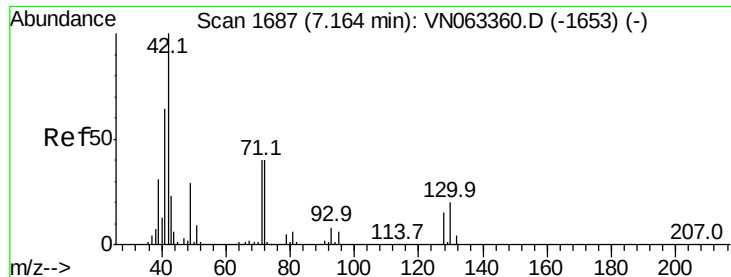
Tot Ion:	84	Resp:	18670
Ion	Ratio	Lower	Upper
84	100		
49	143.9	110.7	166.1
51	46.3	32.9	49.3
86	63.1	51.1	76.7



#25
2-Butanone
Concen: 1.275 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063569.D
Acq: 23 Sep 2020 6:52

Tgt Ion:	43	Resp:	2206
Ion	Ratio	Lower	Upper
43	100		
72	20.7	19.2	28.8





#29

Tetrahydrofuran

Concen: 1.040 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN063569.D

Acq: 23 Sep 2020 6:52

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#07

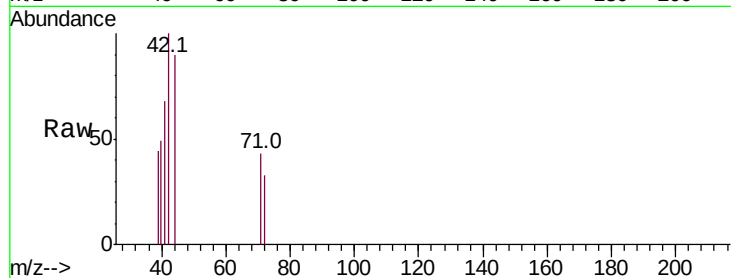
Tot Ion: 42 Resp: 1229

Ion Ratio Lower Upper

42 100

72 22.9 32.1 48.1#

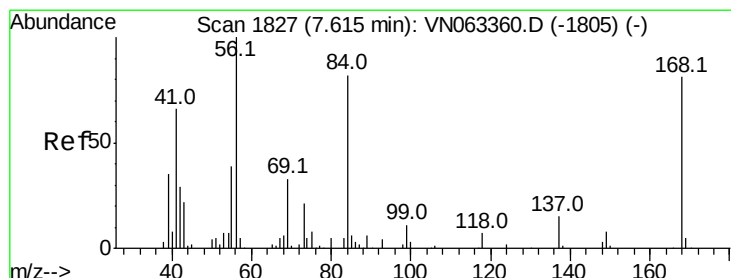
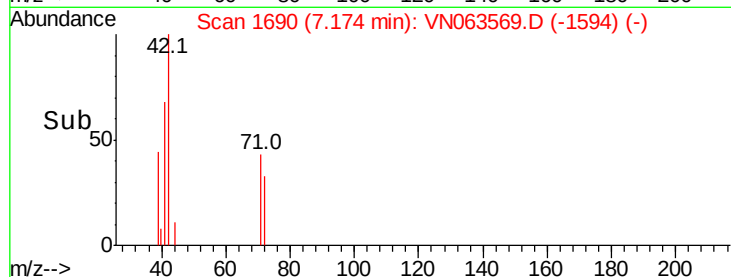
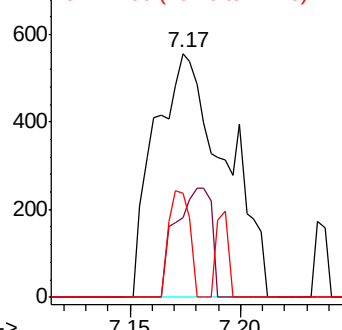
71 13.1 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.276 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063569.D

Acq: 23 Sep 2020 6:52

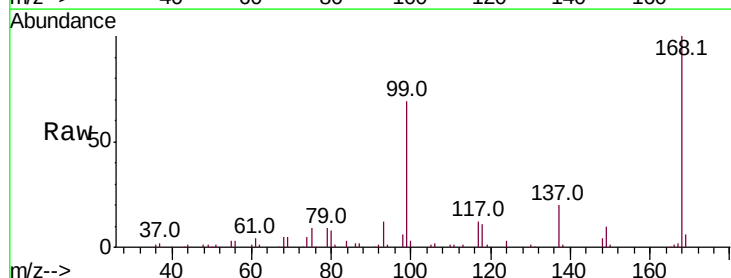
Tgt Ion: 56 Resp: 6168

Ion Ratio Lower Upper

56 100

69 142.6 26.1 39.1#

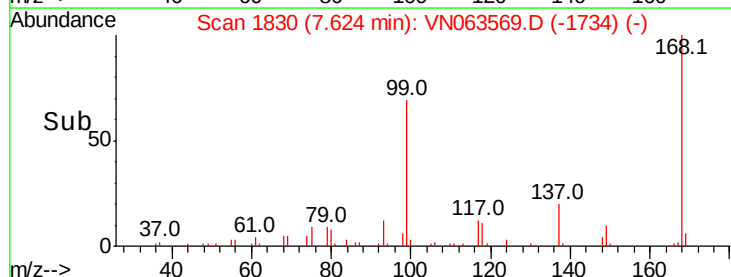
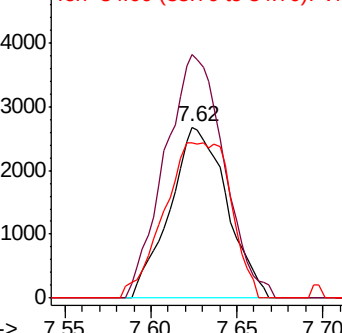
84 91.1 65.4 98.2

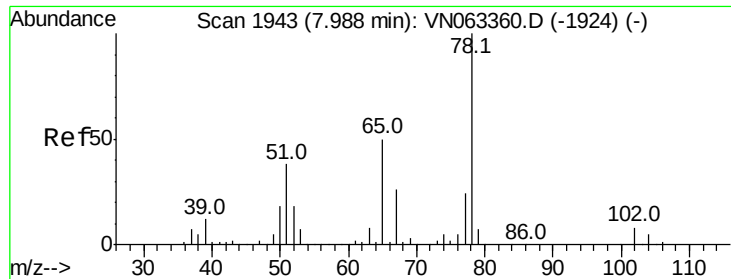


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

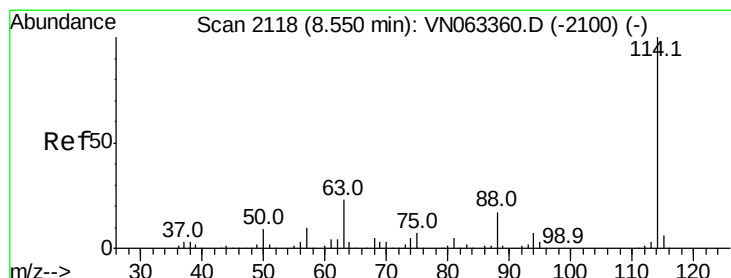
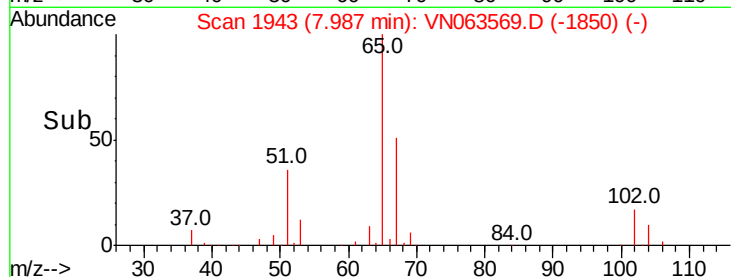
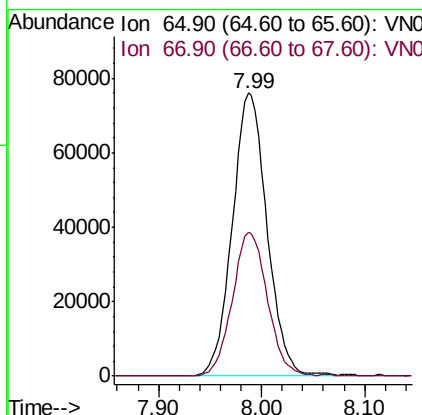
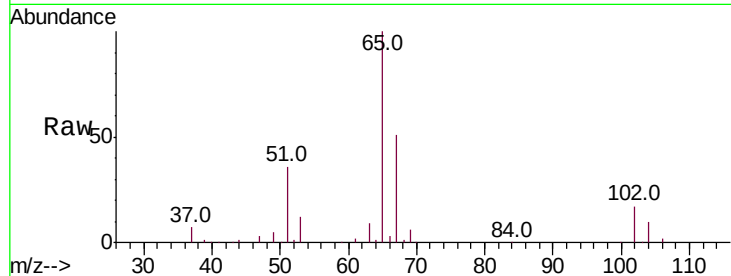




#33
 1,2-Dichloroethane-d4
 Concen: 50.973 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063569.D
 Acq: 23 Sep 2020 6:52

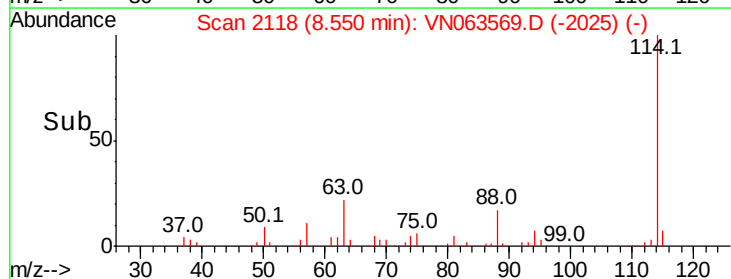
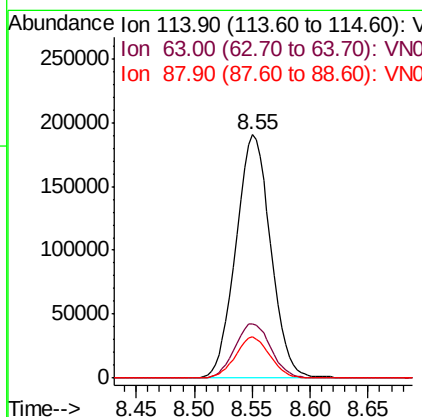
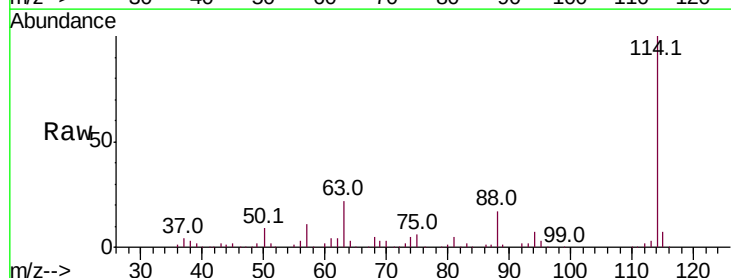
Instrument :
 MSVOA_N
 ClientSampleId :
 PB131772ZHE#07

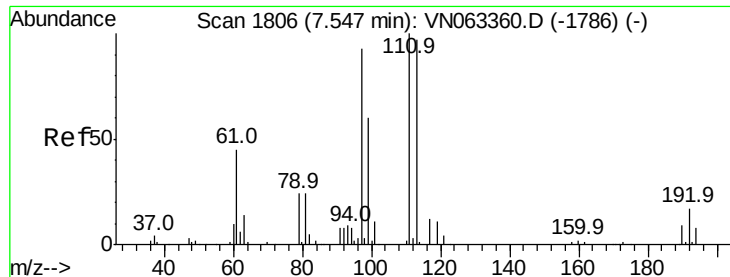
Tot Ion: 65 Resp: 178382
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063569.D
 Acq: 23 Sep 2020 6:52

Tgt Ion: 114 Resp: 396841
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 46.4
 88 16.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.193 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063569.D

Acq: 23 Sep 2020 6:52

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#07

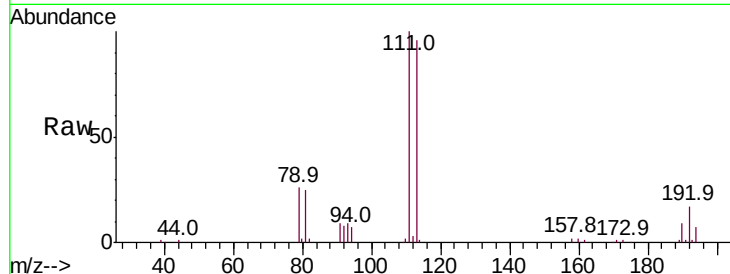
Tot Ion:113 Resp: 126905

Ion Ratio Lower Upper

113 100

111 104.3 82.9 124.3

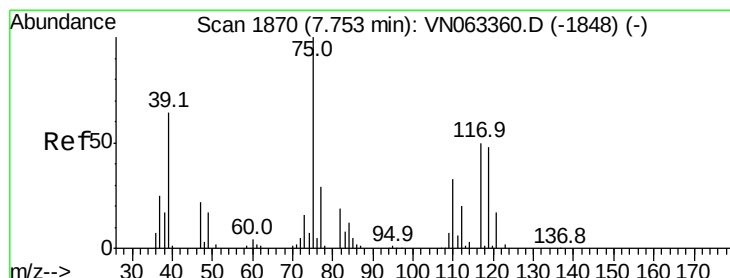
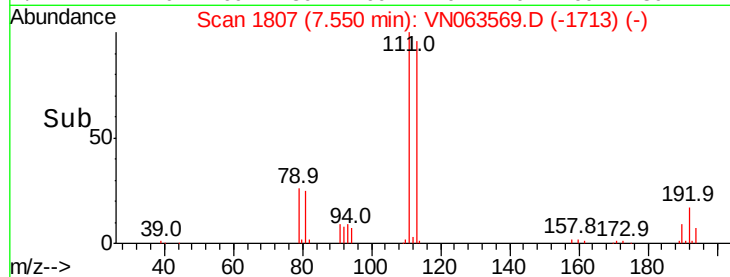
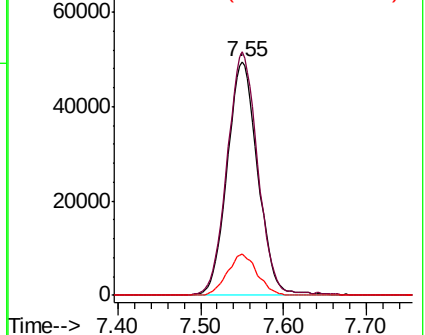
192 17.3 13.9 20.9



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: 4.584 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063569.D

Acq: 23 Sep 2020 6:52

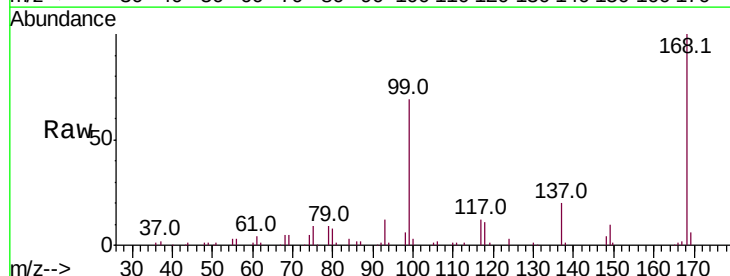
Tgt Ion: 75 Resp: 19379

Ion Ratio Lower Upper

75 100

110 7.4 16.5 49.5#

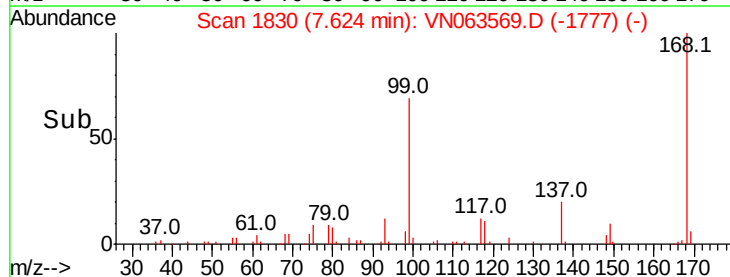
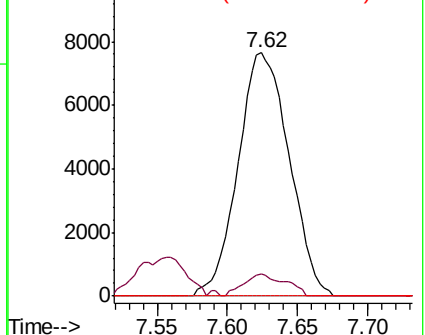
77 0.0 24.6 36.8#

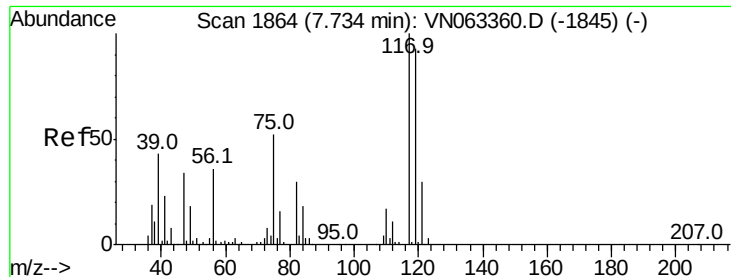


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 5.414 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063569.D

Acq: 23 Sep 2020 6:52

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PB131772ZHE#07

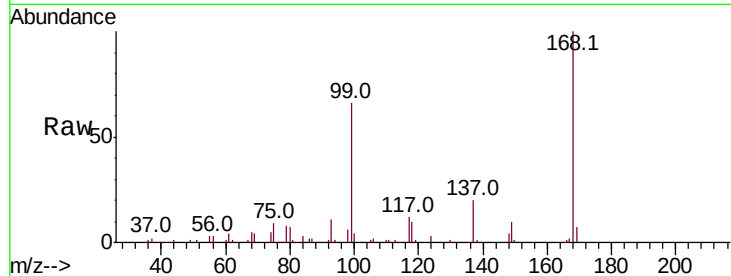
Tot Ion:117 Resp: 23367

Ion Ratio Lower Upper

117 100

119 5.8 74.5 111.7#

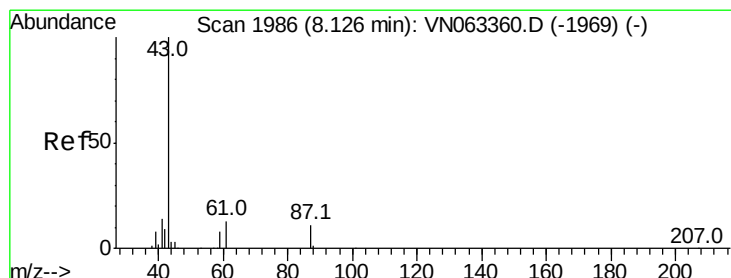
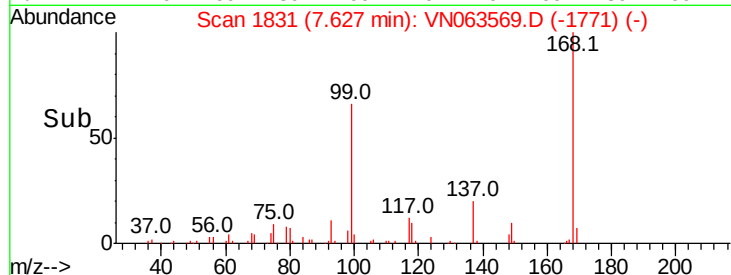
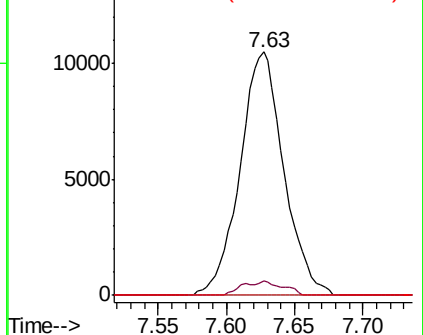
121 0.0 24.1 36.1#



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: 10.415 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063569.D

Acq: 23 Sep 2020 6:52

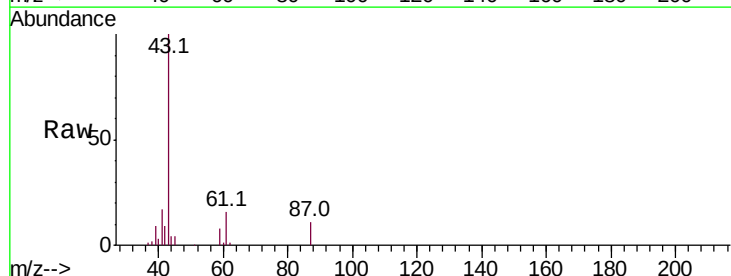
Tgt Ion: 43 Resp: 77277

Ion Ratio Lower Upper

43 100

61 17.2 14.2 21.2

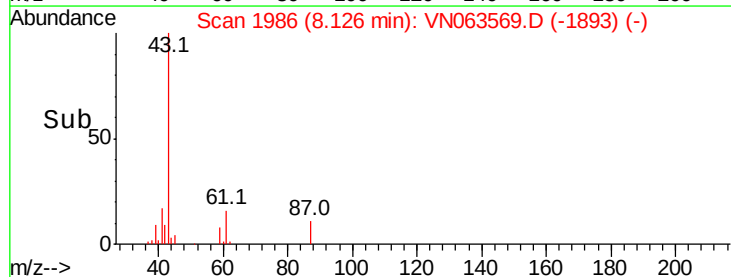
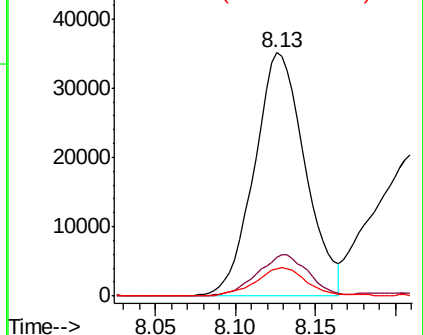
87 11.5 9.0 13.6

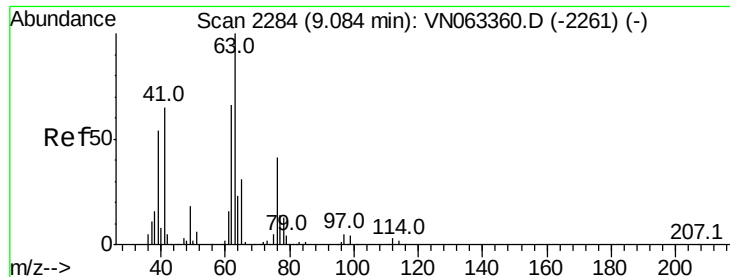


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.524 ug/l

RT: 9.23 min Scan# 2329

Delta R.T. 0.14 min

Lab File: VN063569.D

Acq: 23 Sep 2020 6:52

Instrument :

MSVOA_N

ClientSampleId :

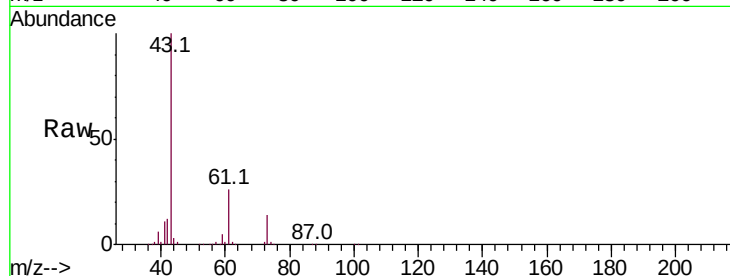
PB131772ZHE#07

Tot Ion: 63 Resp: 1723

Ion Ratio Lower Upper

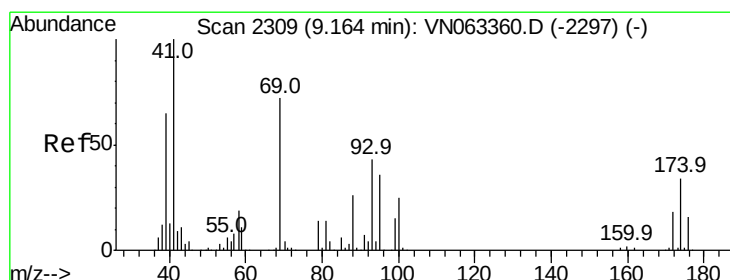
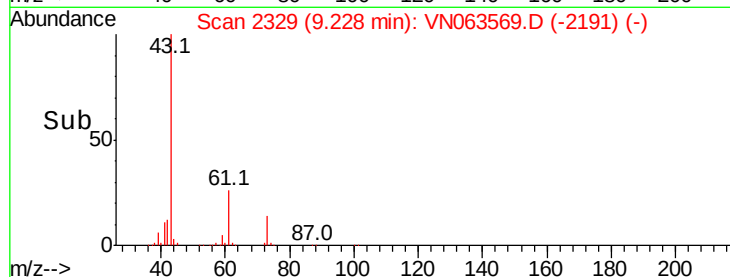
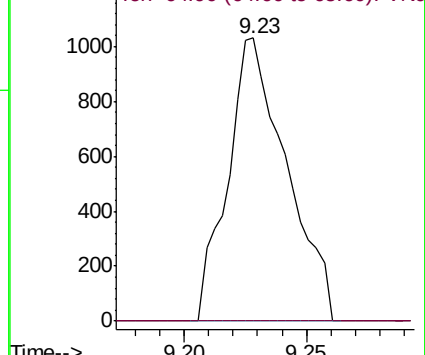
63 100

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

Methyl methacrylate

Concen: 1.267 ug/l

RT: 9.14 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN063569.D

Acq: 23 Sep 2020 6:52

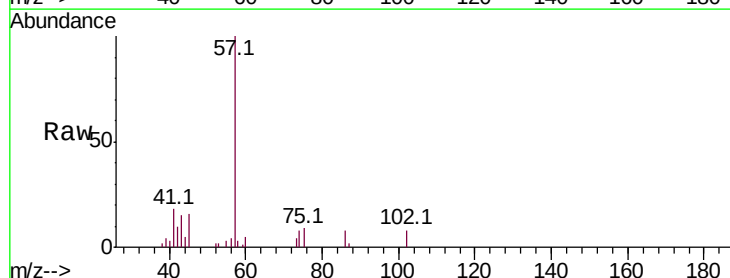
Tgt Ion: 41 Resp: 4620

Ion Ratio Lower Upper

41 100

69 0.0 59.3 88.9#

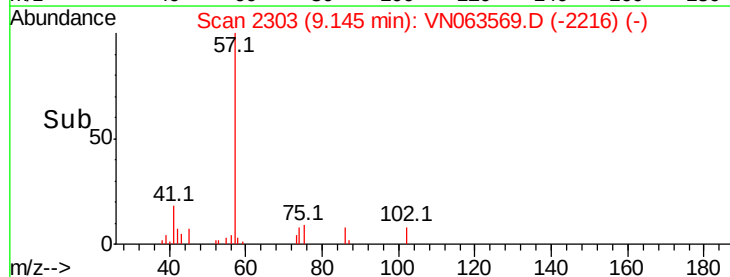
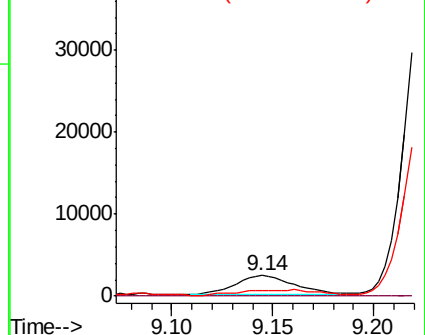
39 0.0 52.9 79.3#

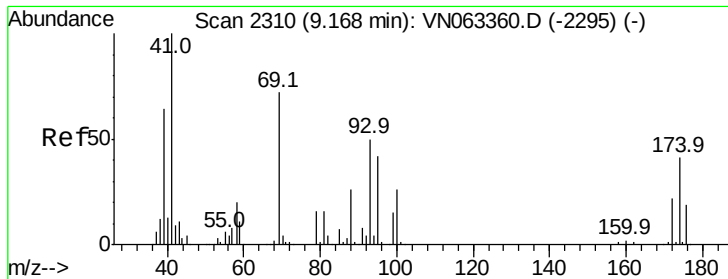


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 0.593 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VN063569.D

Acq: 23 Sep 2020 6:52

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#07

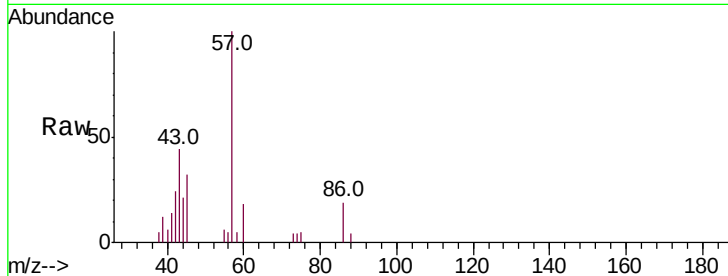
Tot Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 0.0 32.6 49.0#

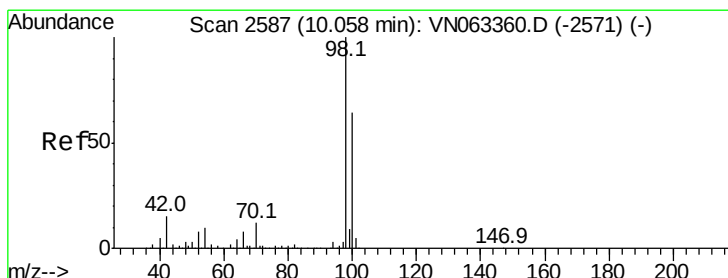
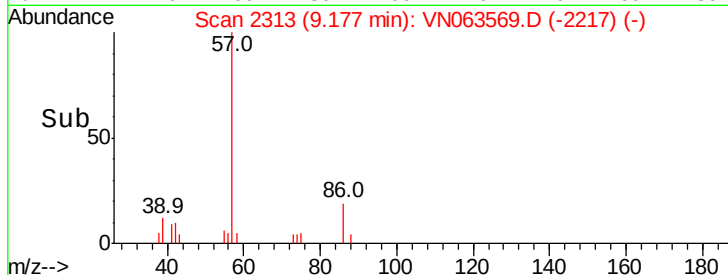
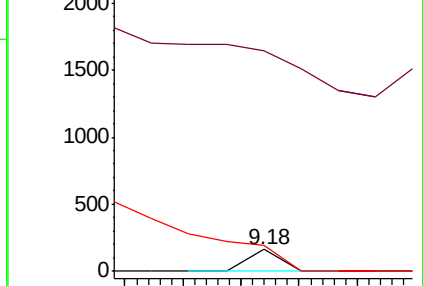
58 0.0 60.0 90.0#



Abundance Ion 88.00 (87.70 to 88.70): VN063360.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN063360.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-2295) (-)



#50

Toluene-d8

Concen: 49.918 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063569.D

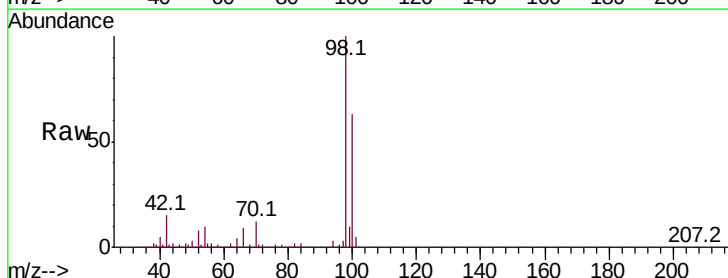
Acq: 23 Sep 2020 6:52

Tgt Ion: 98 Resp: 515660

Ion Ratio Lower Upper

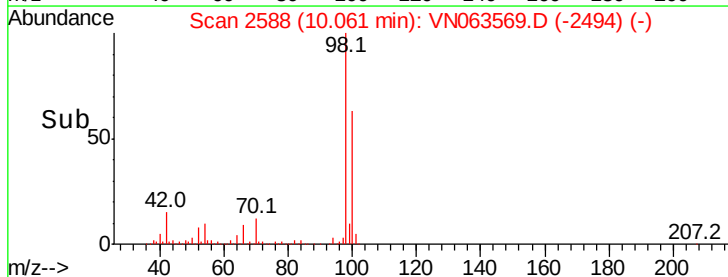
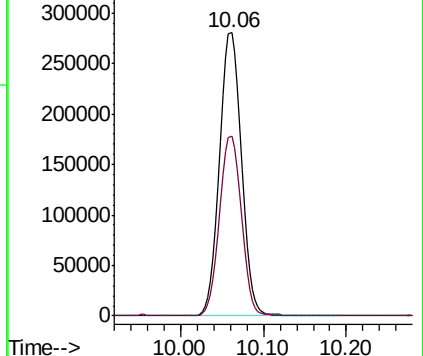
98 100

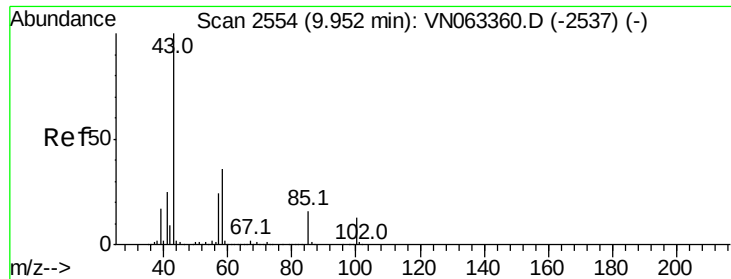
100 63.4 50.7 76.1



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

Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)





#51

4-Methyl-2-Pentanone

Concen: 2.497 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063569.D

Acq: 23 Sep 2020 6:52

Instrument :

MSVOA_N

ClientSampleId :

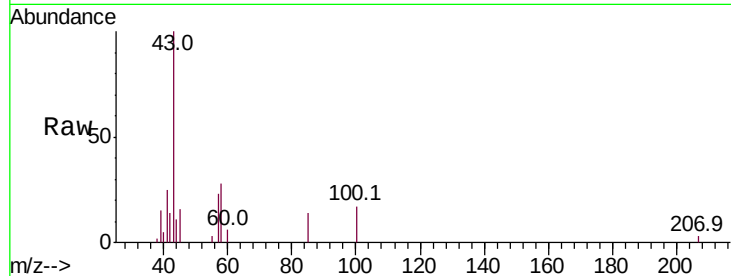
PB131772ZHE#07

Tot Ion: 43 Resp: 10373

Ion Ratio Lower Upper

43 100

58 37.0 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

25000

20000

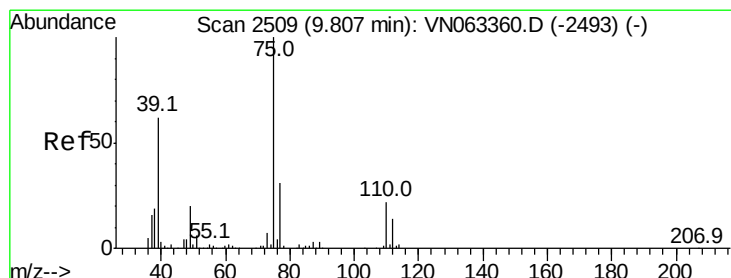
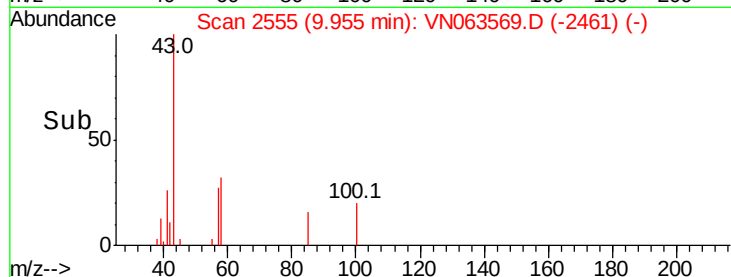
15000

10000

5000

0

Time--> 9.90 9.95 10.00



#54

cis-1,3-Dichloropropene

Concen: 5.754 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063569.D

Acq: 23 Sep 2020 6:52

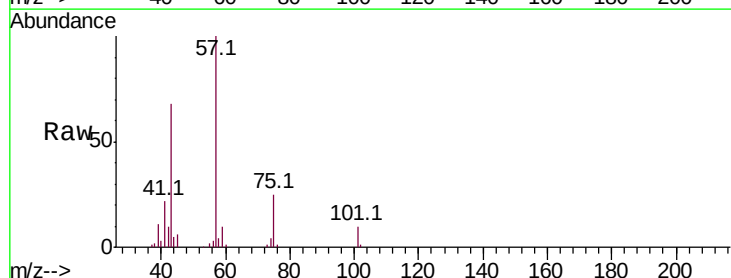
Tgt Ion: 75 Resp: 30412

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 43.8 49.8 74.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

20000

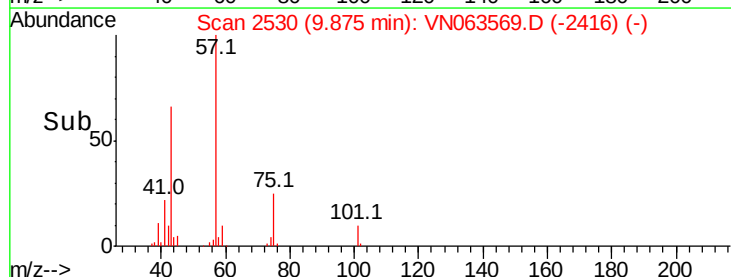
15000

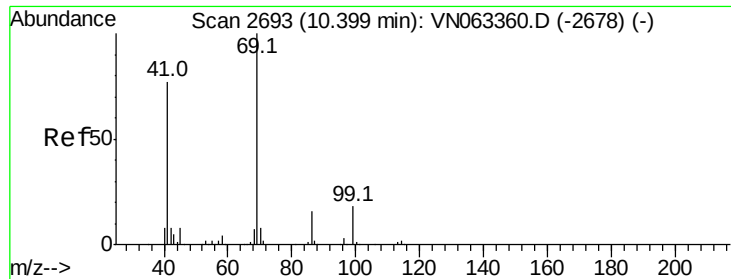
10000

5000

0

Time--> 9.80 9.85 9.90 9.95





#56

Ethyl methacrylate

Concen: 0.382 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN063569.D

Acq: 23 Sep 2020 6:52

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#07

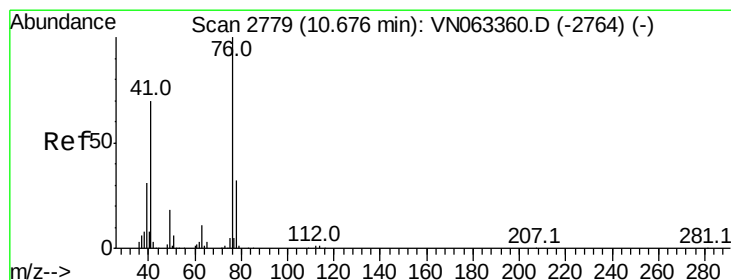
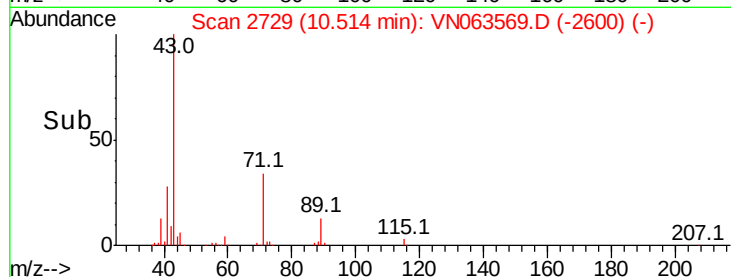
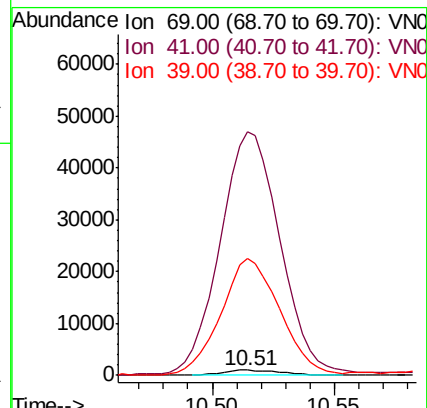
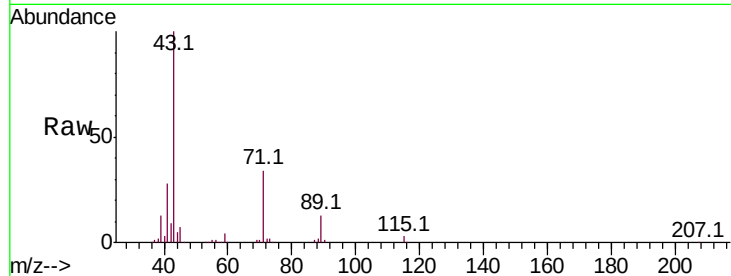
Tot Ion: 69 Resp: 1718

Ion Ratio Lower Upper

69 100

41 4722.3 61.0 91.6#

39 2215.9 39.2 58.8#



#57

1,3-Dichloropropane

Concen: 1.073 ug/l

RT: 10.74 min Scan# 2799

Delta R.T. 0.06 min

Lab File: VN063569.D

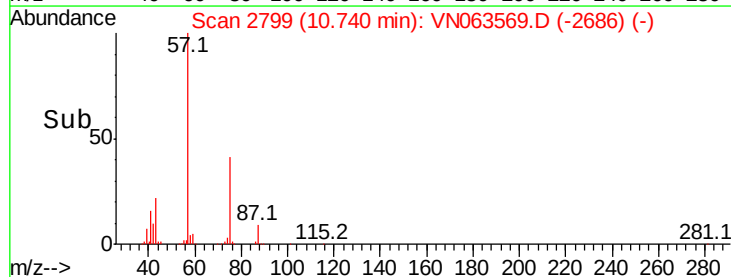
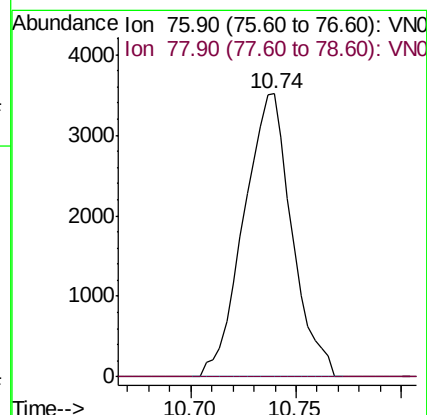
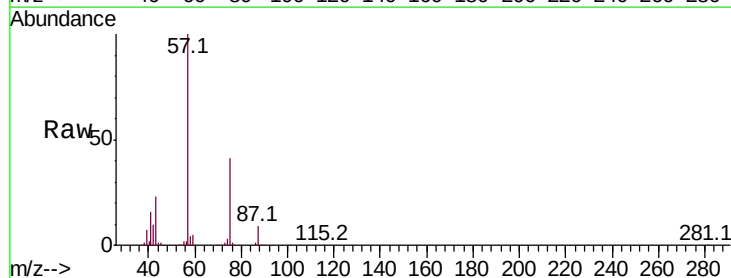
Acq: 23 Sep 2020 6:52

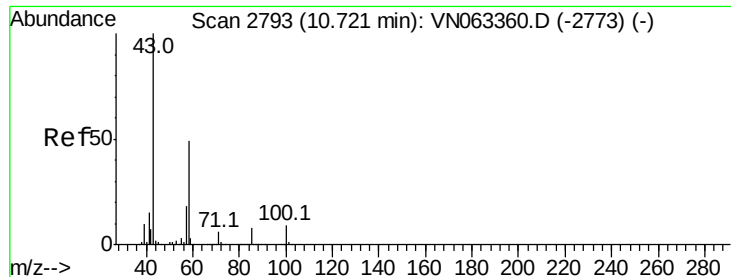
Tgt Ion: 76 Resp: 5578

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#

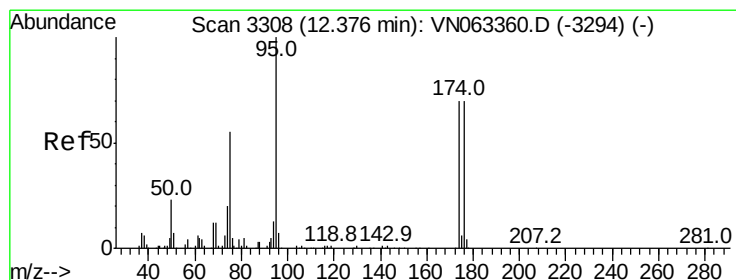
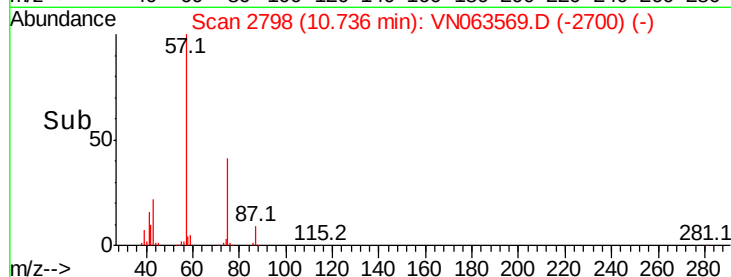
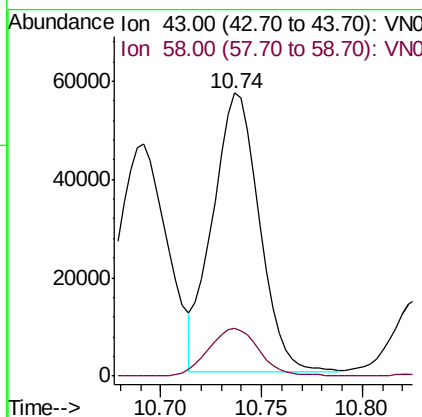
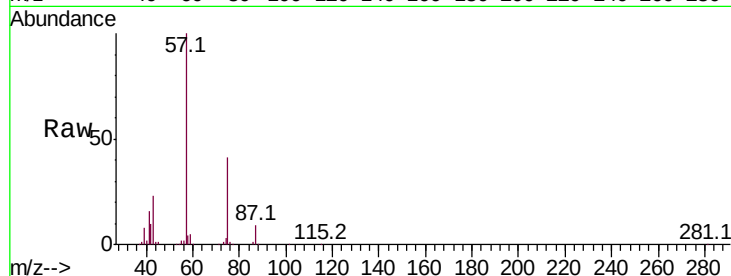




#59
2-Hexanone
Concen: 30.314 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN063569.D
Acq: 23 Sep 2020 6:52

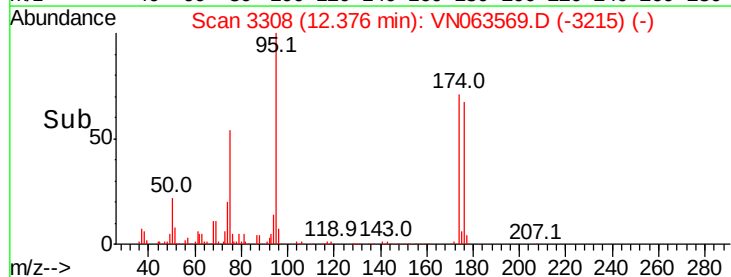
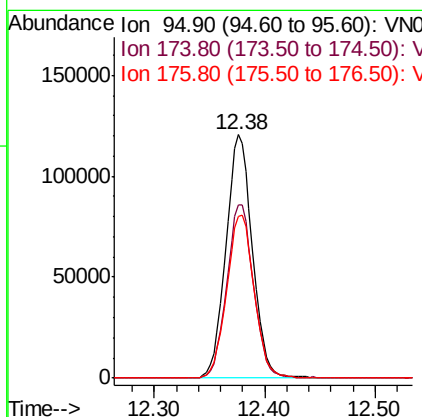
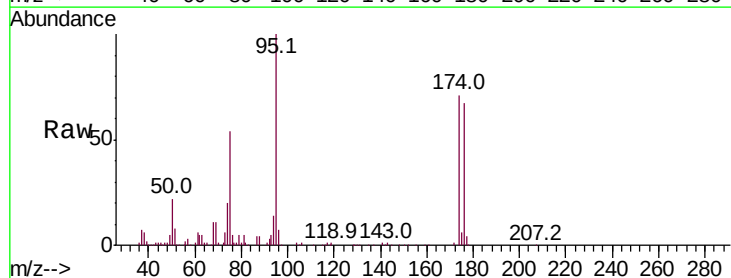
Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#07

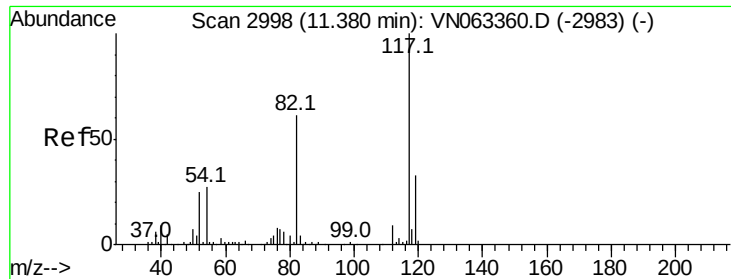
Tot Ion: 43 Resp: 91221
Ion Ratio Lower Upper
43 100
58 18.7 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 52.833 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063569.D
Acq: 23 Sep 2020 6:52

Tgt Ion: 95 Resp: 200072
Ion Ratio Lower Upper
95 100
174 72.2 0.0 140.8
176 69.4 0.0 137.6

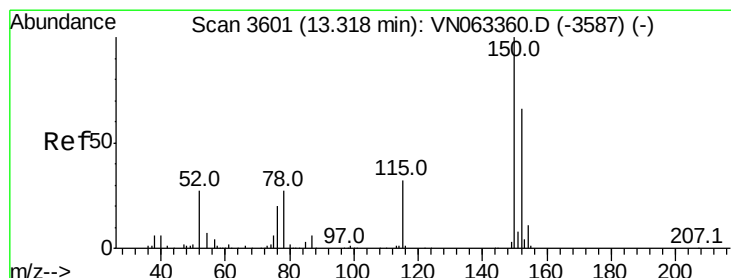
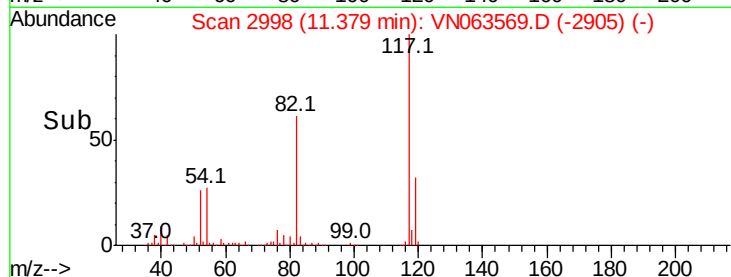
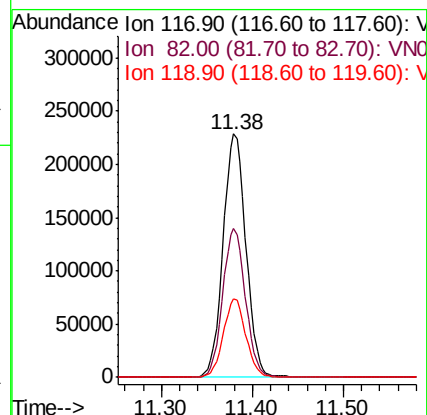
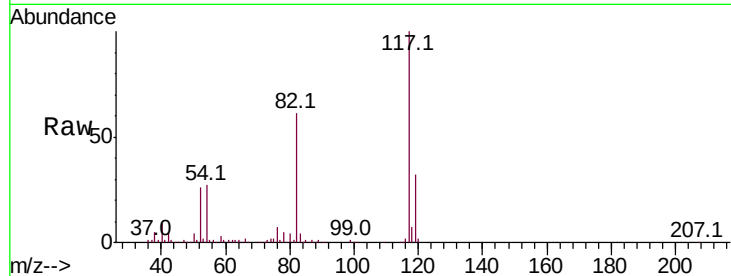




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063569.D
Acq: 23 Sep 2020 6:52

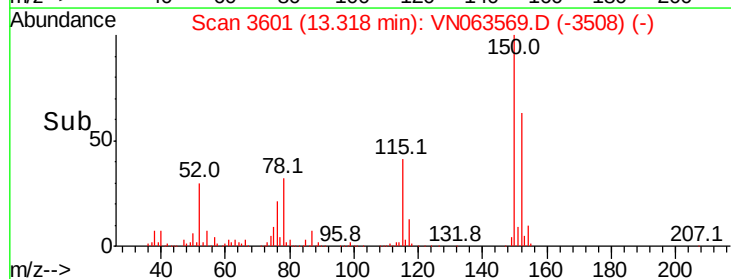
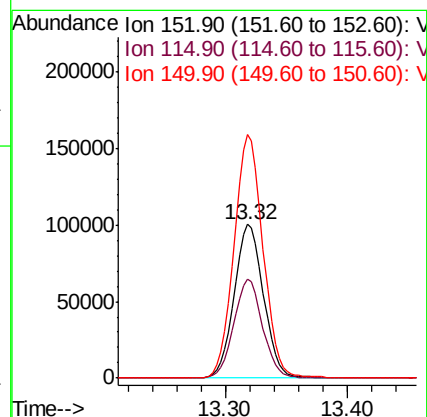
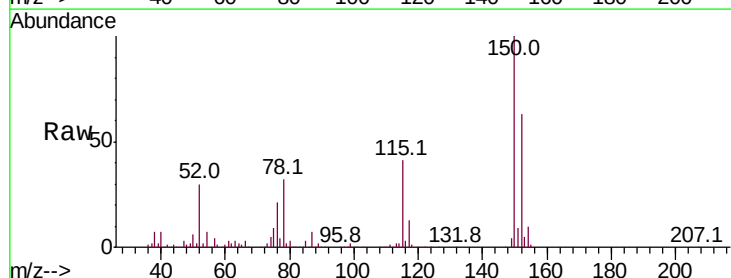
Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#07

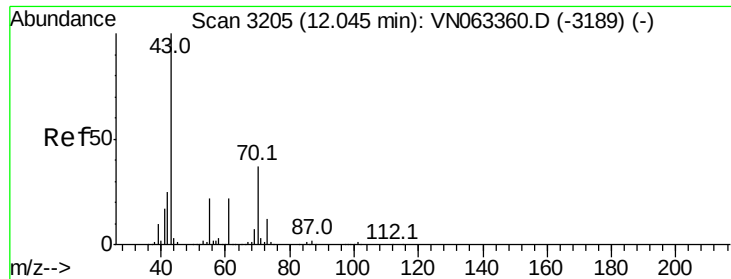
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	49.2	73.8
119	32.4	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063569.D
Acq: 23 Sep 2020 6:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	32.2	96.6
150	156.4	0.0	343.4





#74

N-amvl acetate

Concen: 0.220 ug/l

RT: 12.04 min Scan# 3202

Delta R.T. -0.01 min

Lab File: VN063569.D

Acq: 23 Sep 2020 6:52

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#07

Tot Ion: 43 Resp: 1404

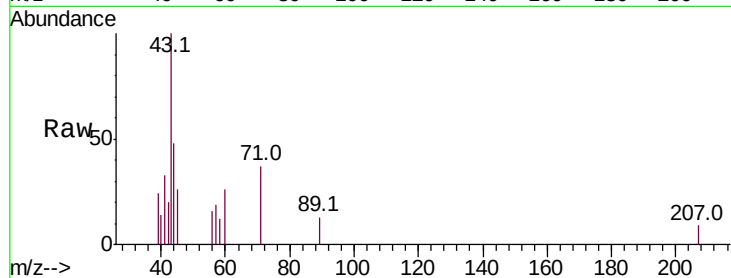
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 17.7 26.5#

61 0.0 17.4 26.2#

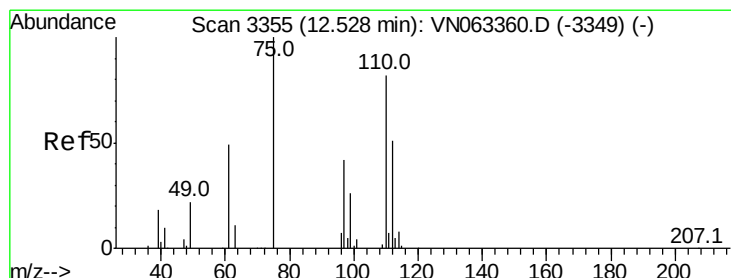
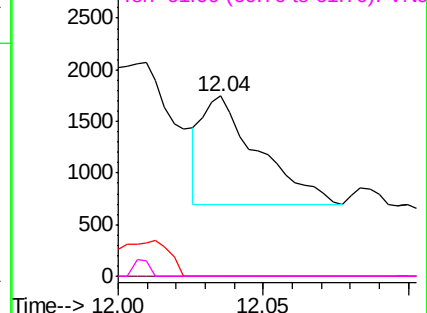
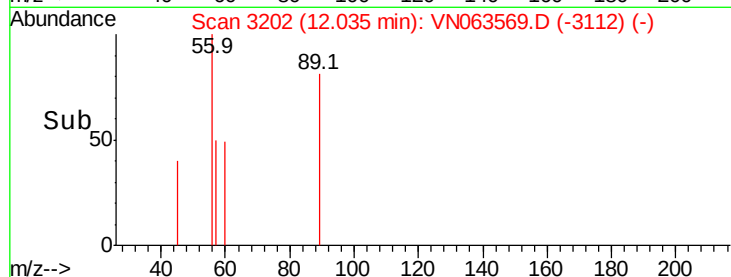


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 26.589 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063569.D

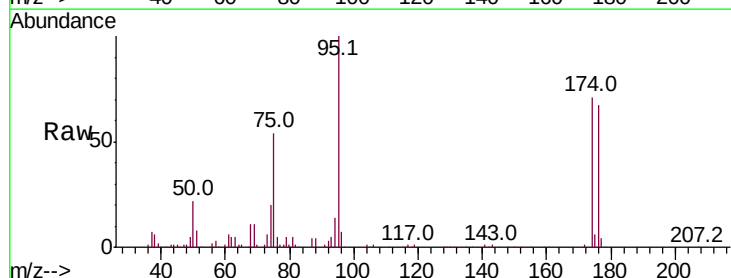
Acq: 23 Sep 2020 6:52

Tgt Ion: 75 Resp: 110903

Ion Ratio Lower Upper

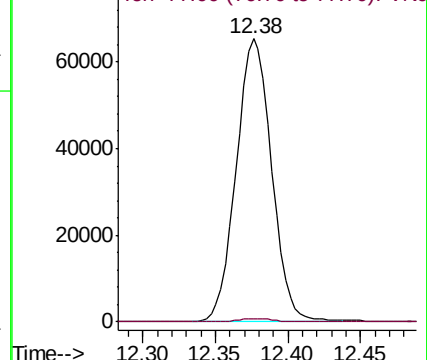
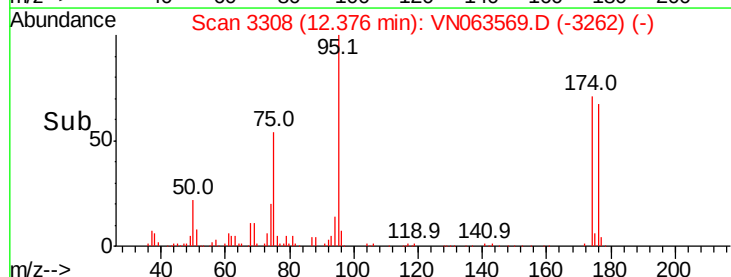
75 100

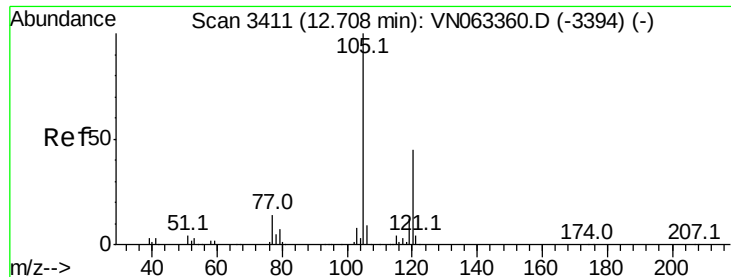
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

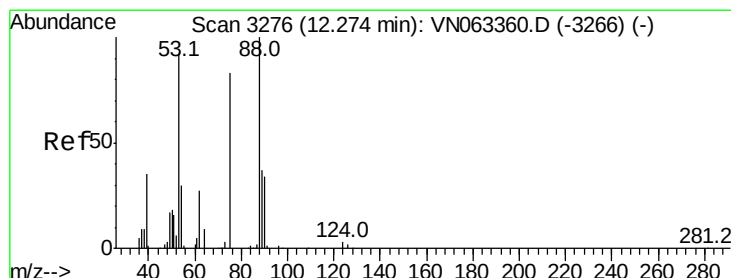
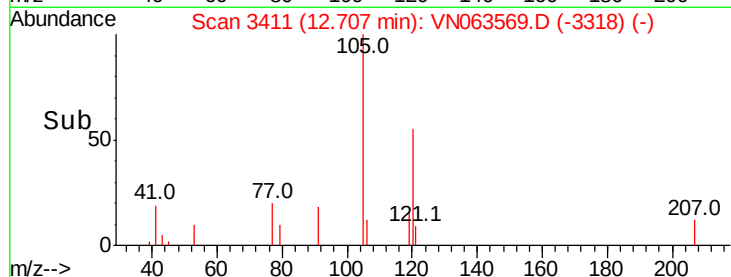
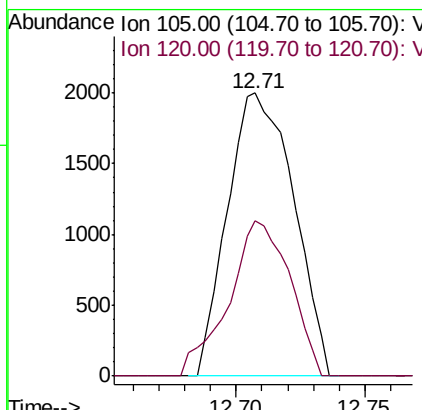
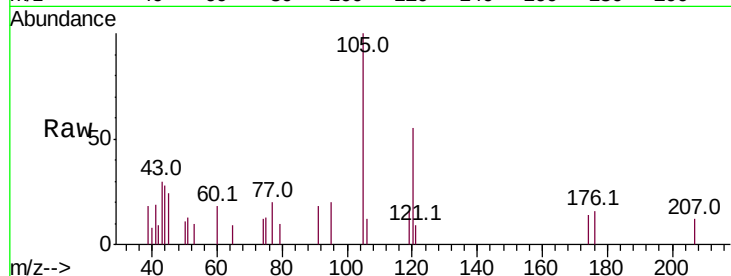




#80
 1,3,5-Trimethylbenzene
 Concen: 0.317 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063569.D
 Acq: 23 Sep 2020 6:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131772ZHE#07

Tot Ion:105 Resp: 3571
 Ion Ratio Lower Upper
 105 100
 120 50.9 22.9 68.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.898 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063569.D
 Acq: 23 Sep 2020 6:52

Tgt Ion: 75 Resp: 110903
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.7 128.5#
 89 0.0 38.0 57.0#

