

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
 Data File : VN064380.D
 Acq On : 29 Oct 2020 17:44
 Operator : JC/MD
 Sample : PB132688ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132688ZHE#11

Quant Time: Oct 30 05:33:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	236598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	413542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	427651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	174990	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	188427	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	7.55	113	134884	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	10.06	98	533009	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.38	95	229514	57.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.42%	

Target Compounds

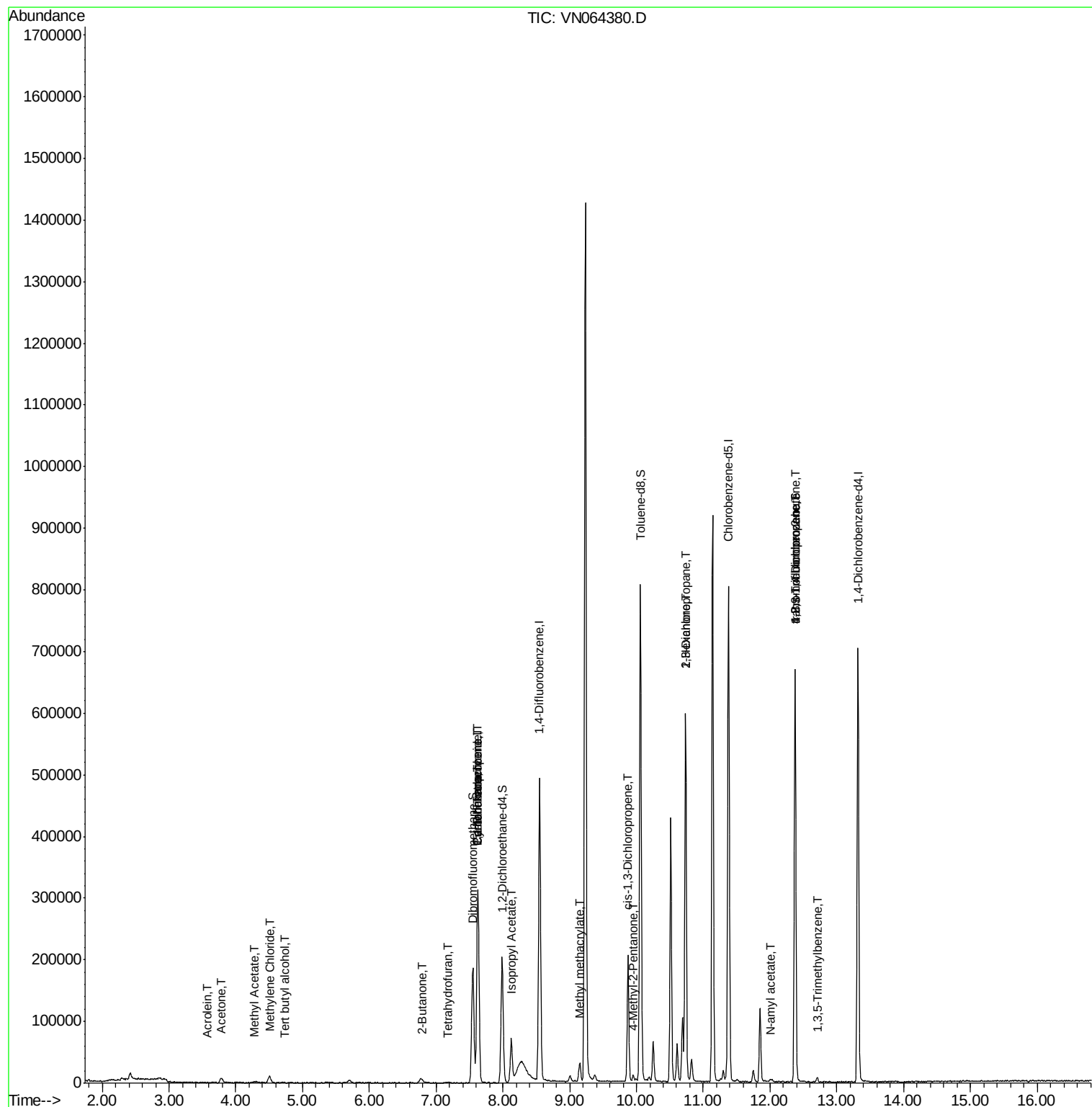
					Qvalue	
11) Tert butyl alcohol	4.73	59	263	0.477	ug/l #	70
13) Acrolein	3.57	56	68	18.207	ug/l #	10
16) Acetone	3.78	43	13808	3.406	ug/l	99
18) Methyl Acetate	4.28	43	1953	0.684	ug/l #	91
20) Methylene Chloride	4.51	84	5491	2.036	ug/l	89
25) 2-Butanone	6.79	43	875	0.458	ug/l #	61
29) Tetrahydrofuran	7.17	42	508	0.410	ug/l #	43
31) Cyclohexane	7.63	56	6150	1.394	ug/l #	26
36) 1,1-Dichloropropene	7.62	75	20600	4.936	ug/l #	51
38) Carbon Tetrachloride	7.63	117	25731	5.318	ug/l #	19
43) Isopropyl Acetate	8.13	43	87513	12.144	ug/l #	88
48) Methyl methacrylate	9.14	41	4730	1.272	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	8314	1.985	ug/l	90
54) cis-1,3-Dichloropropene	9.87	75	32646	6.219	ug/l #	69
57) 1,3-Dichloropropane	10.74	76	5737	1.162	ug/l #	42
59) 2-Hexanone	10.73	43	97101	31.473	ug/l #	53
74) N-amyl acetate	12.00	43	1426	0.247	ug/l #	49
76) 1,2,3-Trichloropropane	12.37	75	129329	30.862	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4024	0.363	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.37	75	129329	88.899	ug/l #	8

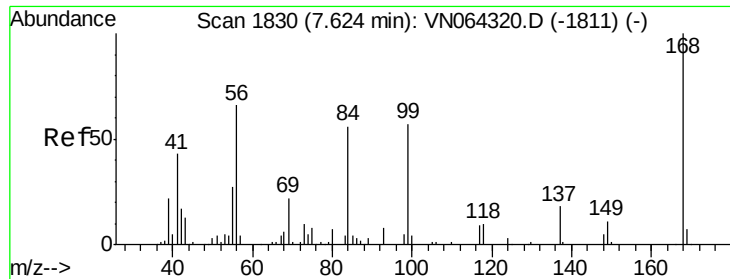
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102920\
Data File : VN064380.D
Acq On : 29 Oct 2020 17:44
Operator : JC/MD
Sample : PB132688ZHE#11
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#11

Quant Time: Oct 30 05:33:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 12:23:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064380.D

Acq: 29 Oct 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

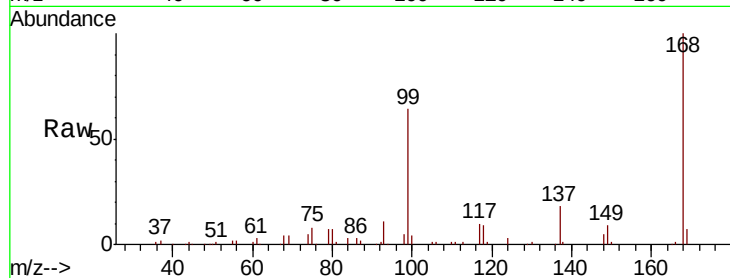
PB132688ZHE#11

Tot Ion:168 Resp: 236598

Ion Ratio Lower Upper

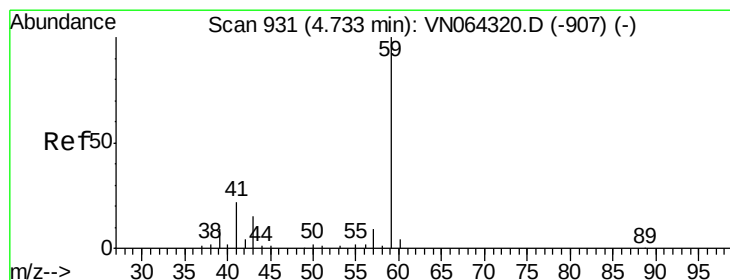
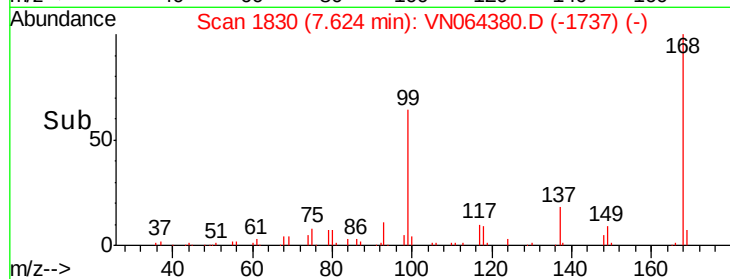
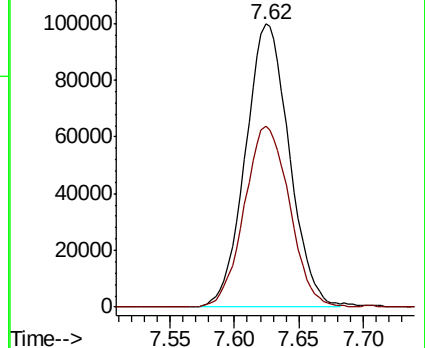
168 100

99 64.1 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): VN064380.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN064380.D (-1737) (-)



#11

Tert butyl alcohol

Concen: 0.477 ug/l

RT: 4.73 min Scan# 931

Delta R.T. -0.00 min

Lab File: VN064380.D

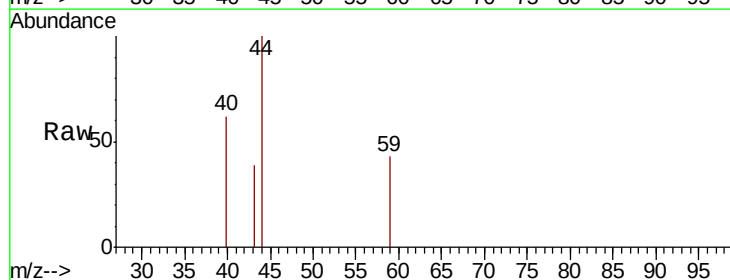
Acq: 29 Oct 2020 17:44

Tgt Ion: 59 Resp: 263

Ion Ratio Lower Upper

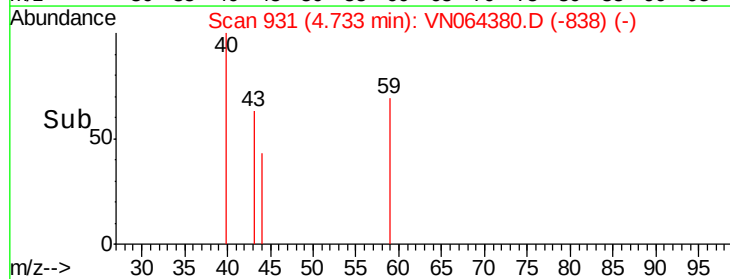
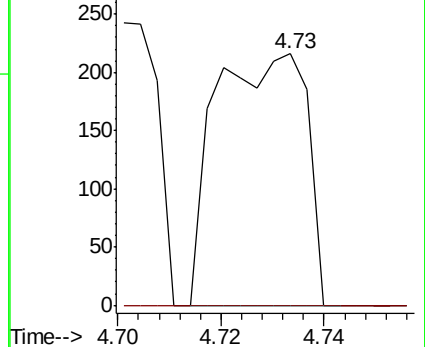
59 100

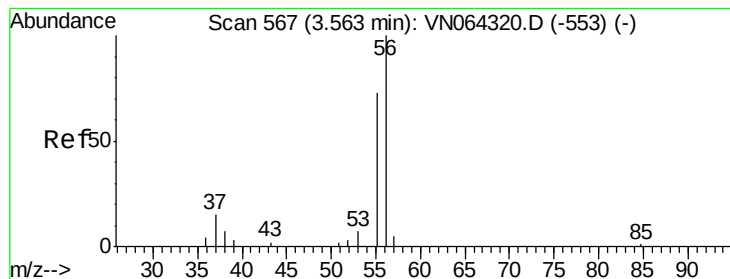
57 0.0 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VN064380.D (-838) (-)

Ion 57.00 (56.70 to 57.70): VN064380.D (-838) (-)





#13

Acrolein

Concen: 18.207 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064380.D

Acq: 29 Oct 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

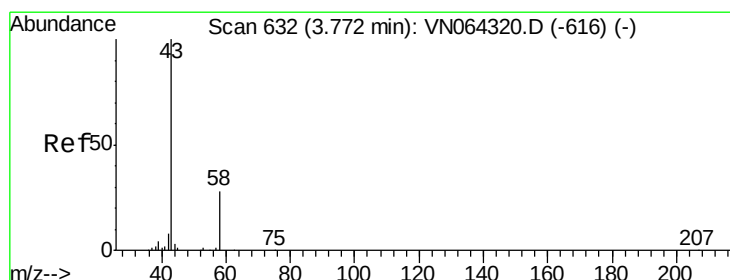
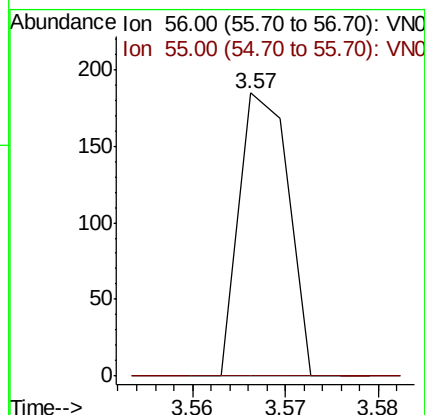
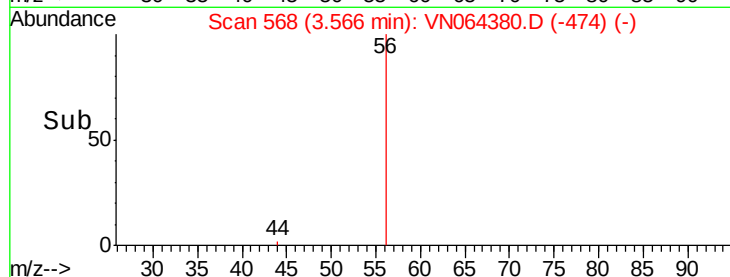
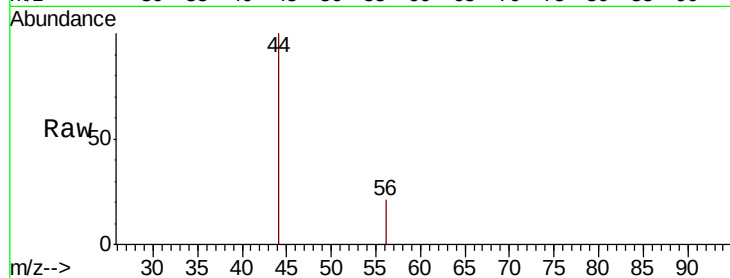
PB132688ZHE#11

Tot Ion: 56 Resp: 68

Ion Ratio Lower Upper

56 100

55 0.0 62.6 94.0#



#16

Acetone

Concen: 3.406 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064380.D

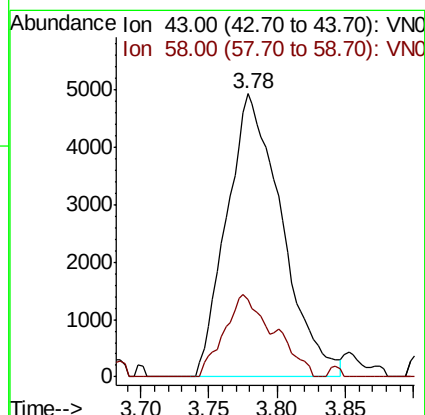
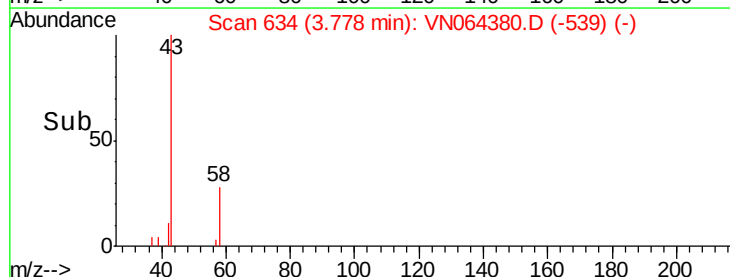
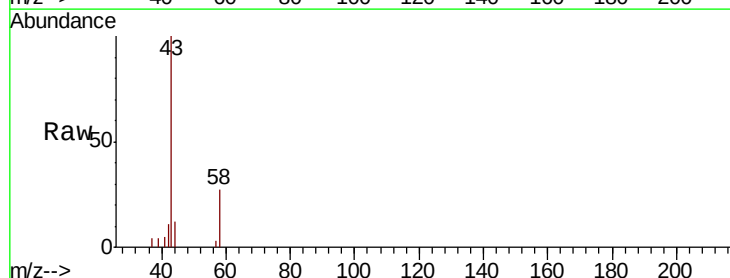
Acq: 29 Oct 2020 17:44

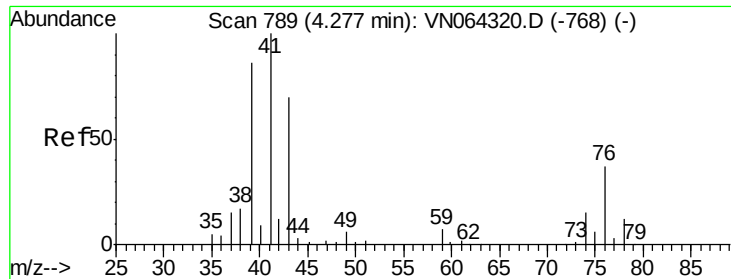
Tgt Ion: 43 Resp: 13808

Ion Ratio Lower Upper

43 100

58 27.2 22.1 33.1

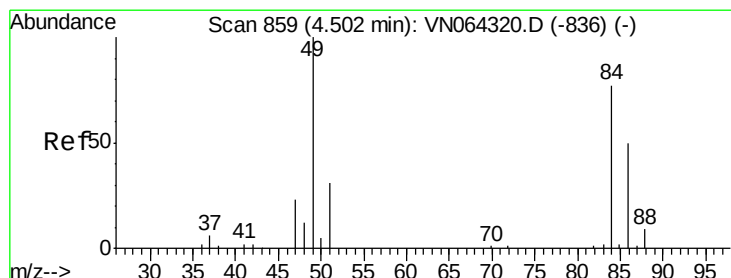
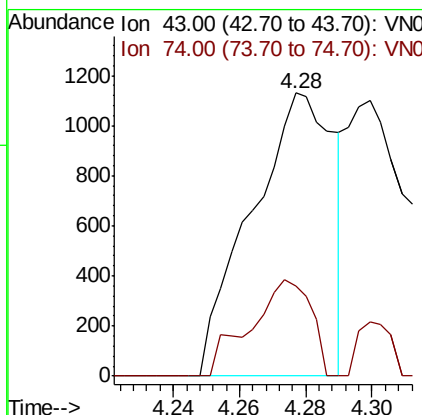
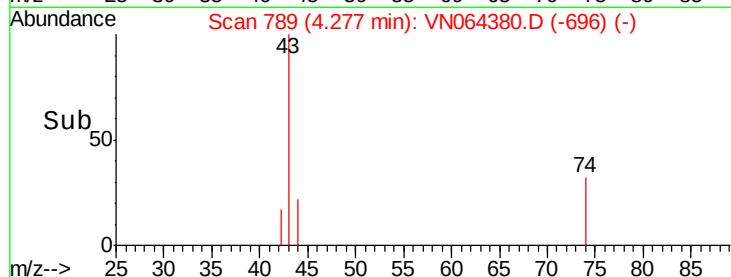
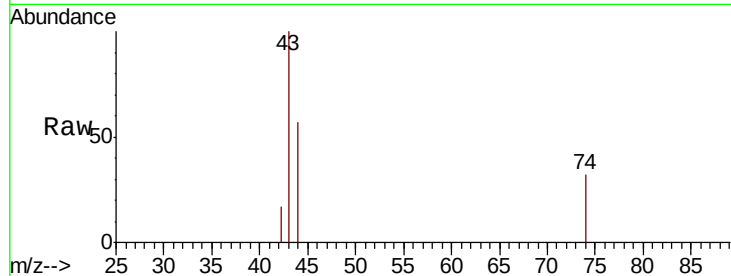




#18
Methyl Acetate
Concen: 0.684 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064380.D
Acq: 29 Oct 2020 17:44

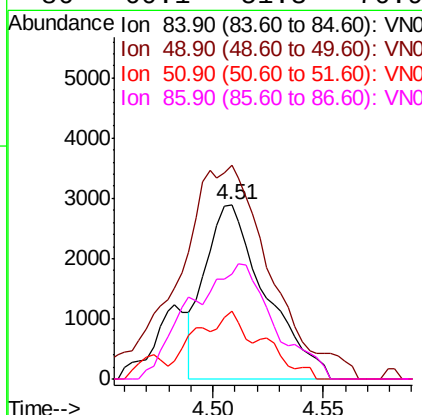
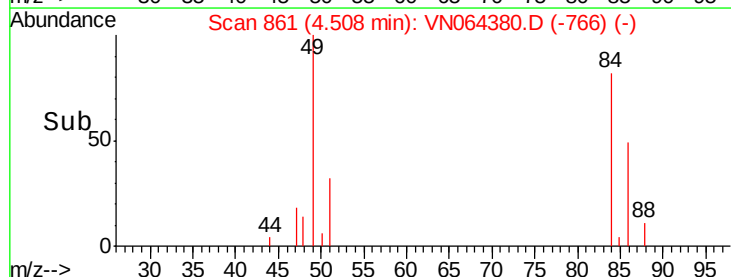
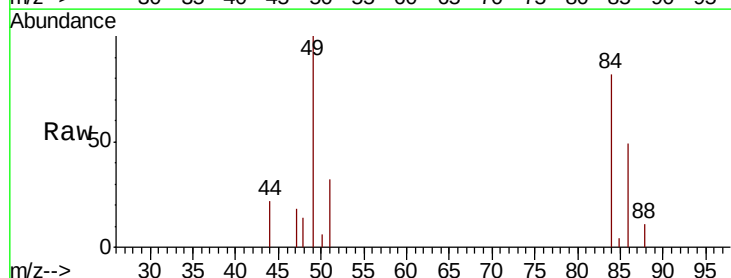
Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#11

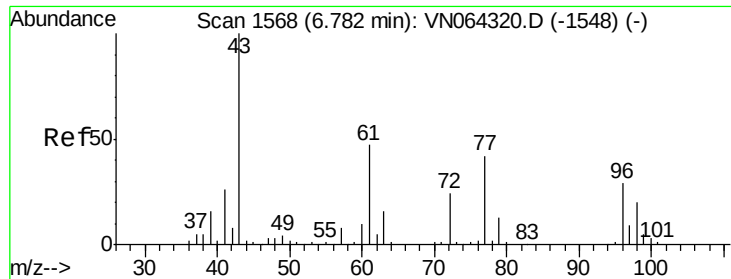
Tot Ion: 43 Resp: 1953
Ion Ratio Lower Upper
43 100
74 25.1 16.7 25.1#



#20
Methylene Chloride
Concen: 2.036 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN064380.D
Acq: 29 Oct 2020 17:44

Tgt Ion: 84 Resp: 5491
Ion Ratio Lower Upper
84 100
49 109.6 103.6 155.4
51 38.7 31.8 47.8
86 60.1 51.3 76.9

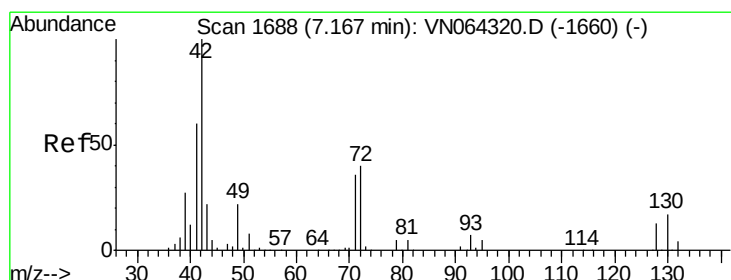
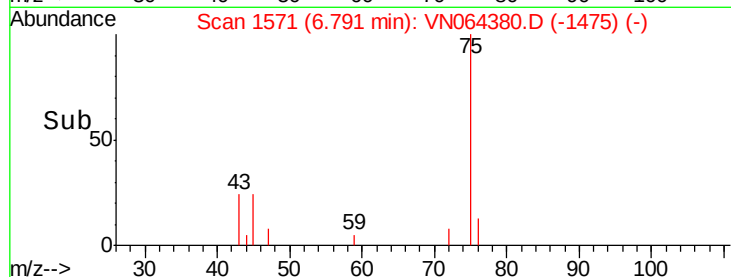
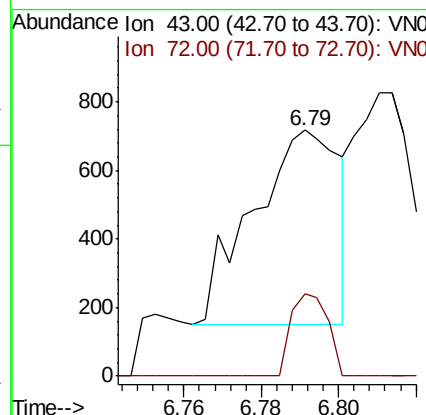
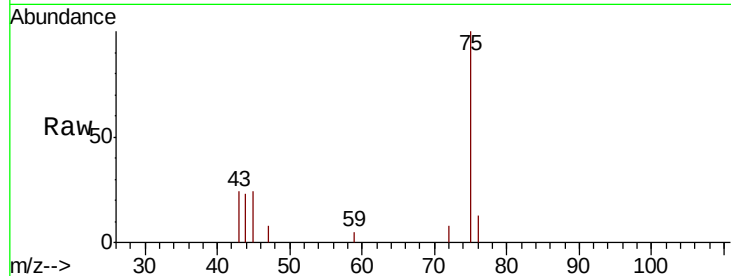




#25
2-Butanone
Concen: 0.458 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN064380.D
Acq: 29 Oct 2020 17:44

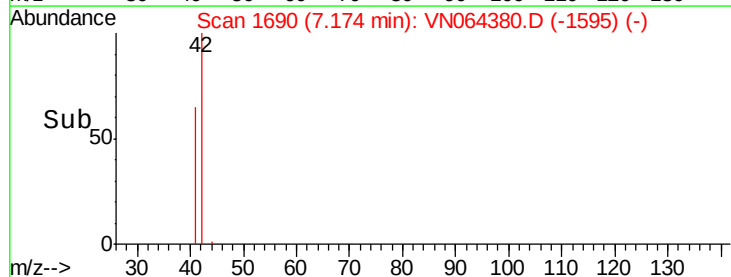
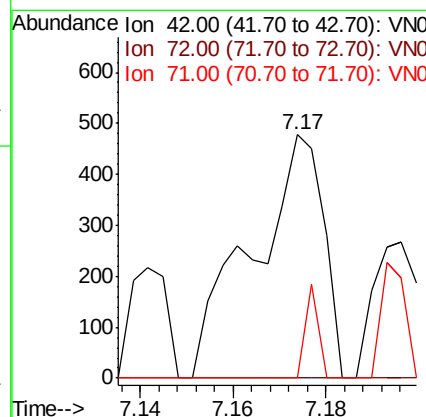
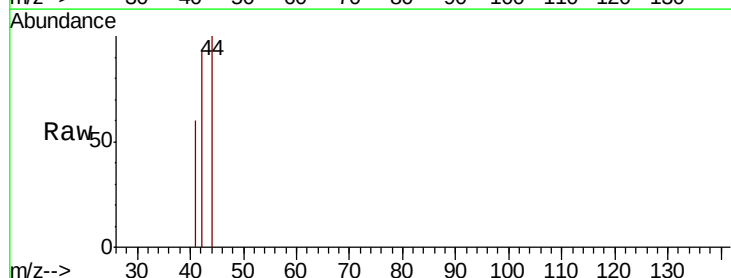
Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#11

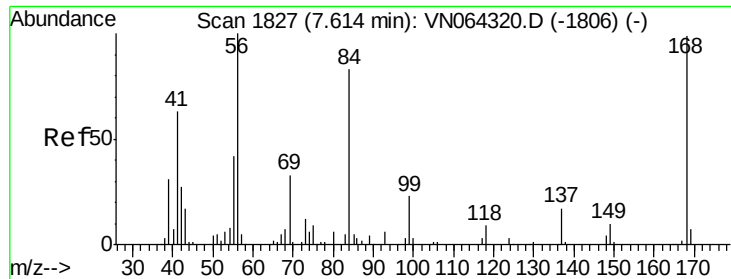
Tot Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
72 42.8 18.8 28.2#



#29
Tetrahydrofuran
Concen: 0.410 ug/l
RT: 7.17 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN064380.D
Acq: 29 Oct 2020 17:44

Tgt Ion: 42 Resp: 508
Ion Ratio Lower Upper
42 100
72 0.0 31.6 47.4#
71 7.1 29.4 44.0#

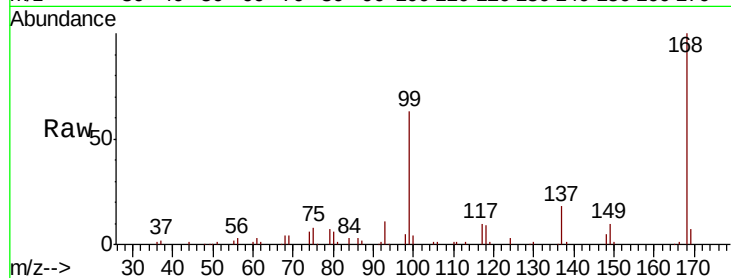




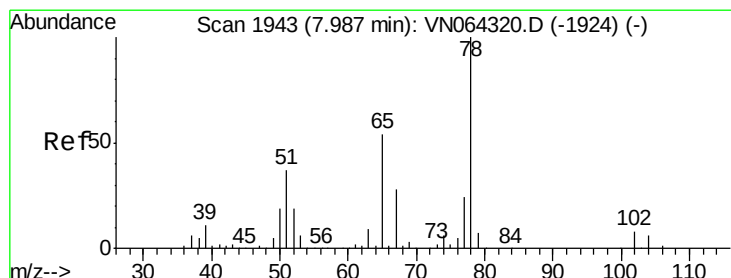
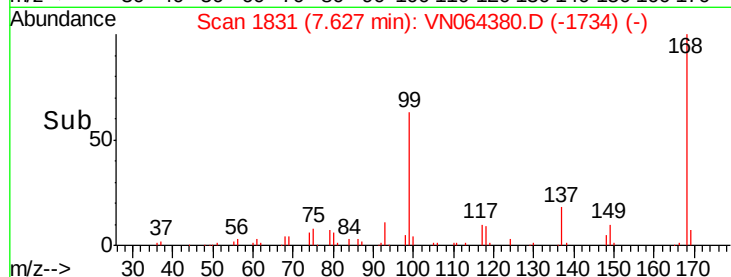
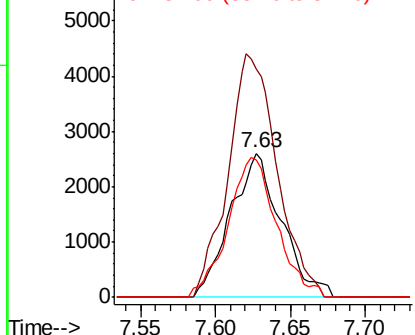
#31
Cyclohexane
Concen: 1.394 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064380.D
Acq: 29 Oct 2020 17:44

Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#11

Tot Ion: 56 Resp: 6150
Ion Ratio Lower Upper
56 100
69 158.9 25.8 38.8#
84 95.8 66.3 99.5

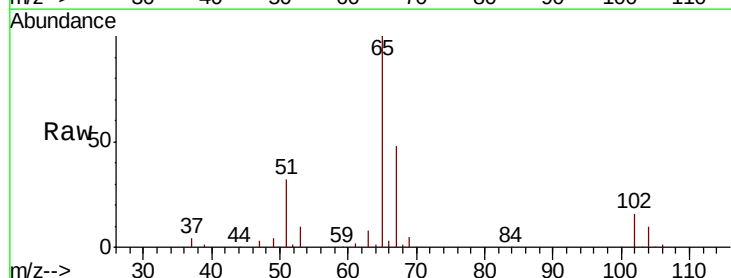


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

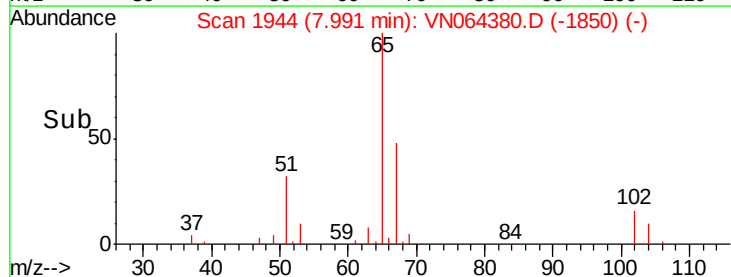
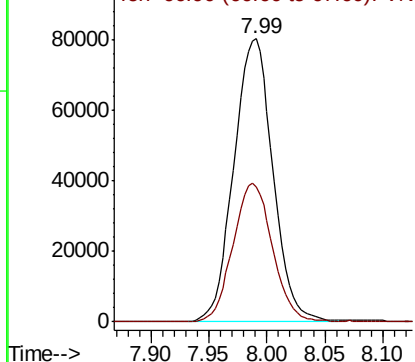


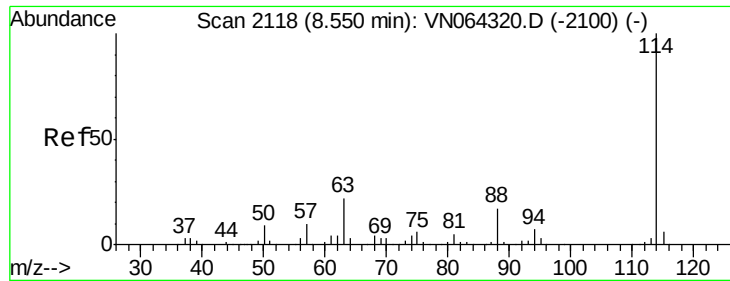
#33
1,2-Dichloroethane-d4
Concen: 49.559 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN064380.D
Acq: 29 Oct 2020 17:44

Tgt Ion: 65 Resp: 188427
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

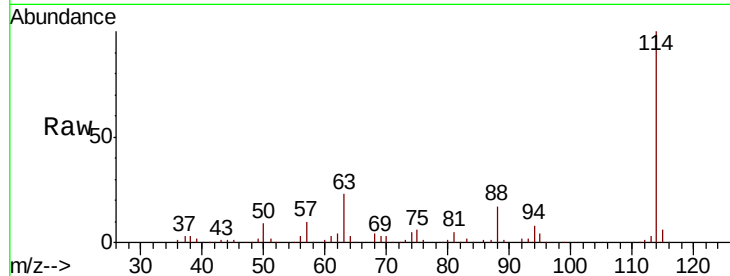




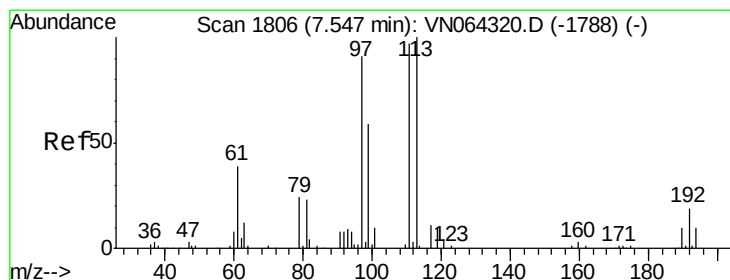
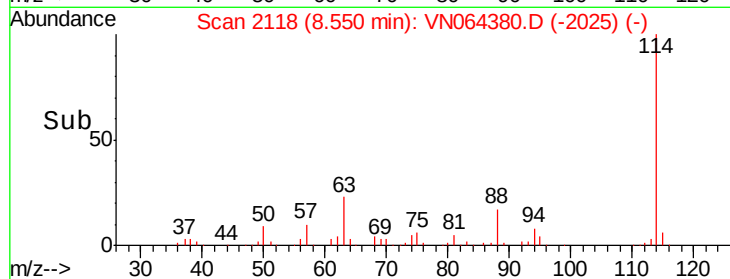
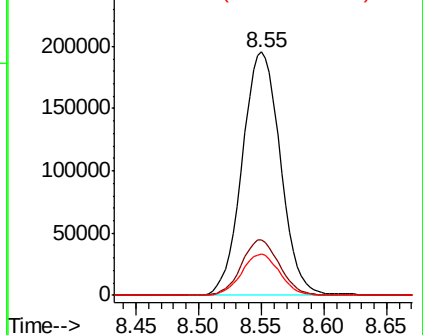
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN064380.D
Acq: 29 Oct 2020 17:44

Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#11

Tot Ion:114 Resp: 413542
Ion Ratio Lower Upper
114 100
63 22.9 0.0 44.6
88 16.9 0.0 33.4

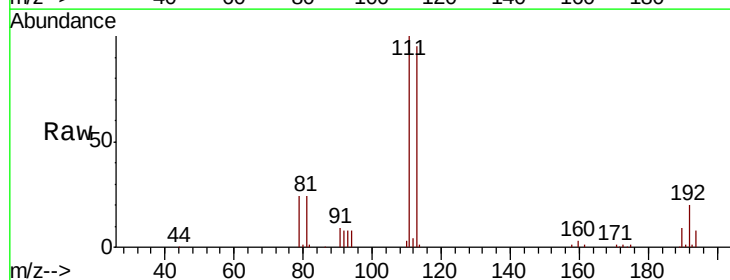


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

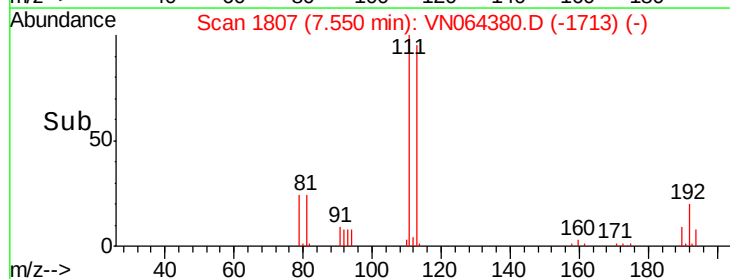
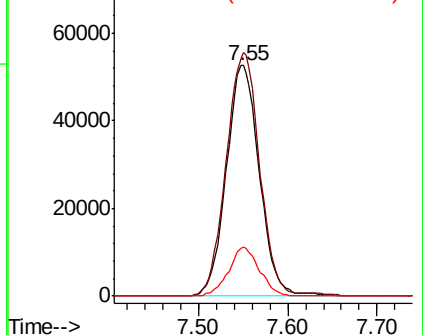


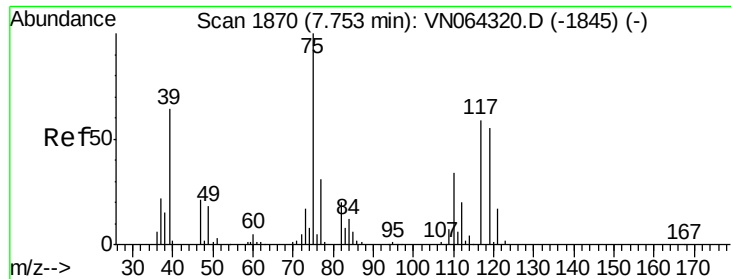
#35
Dibromofluoromethane
Concen: 48.910 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064380.D
Acq: 29 Oct 2020 17:44

Tgt Ion:113 Resp: 134884
Ion Ratio Lower Upper
113 100
111 106.3 81.5 122.3
192 19.8 15.0 22.4



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

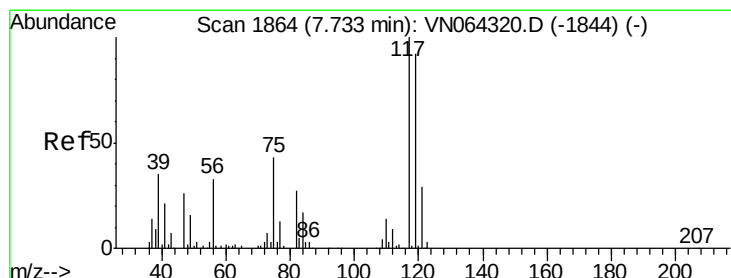
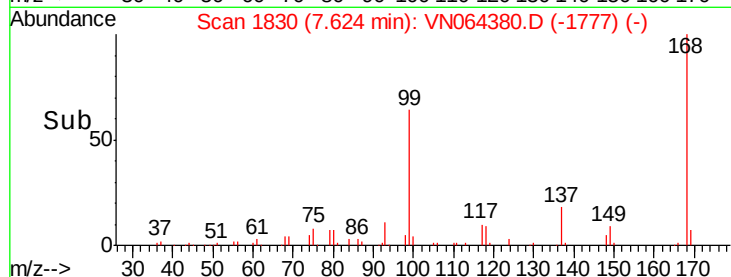
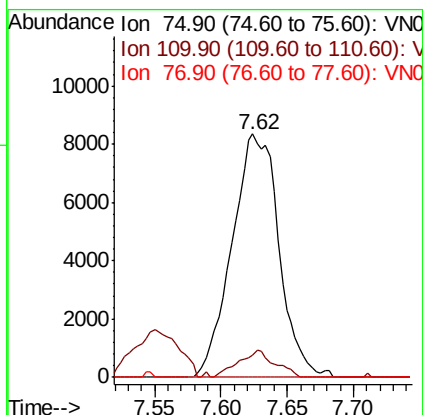
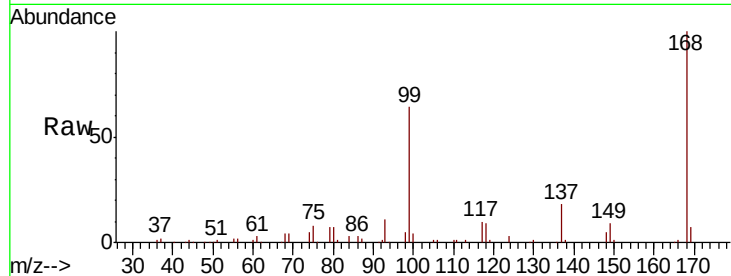




#36
 1,1-Dichloropropene
 Concen: 4.936 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064380.D
 Acq: 29 Oct 2020 17:44

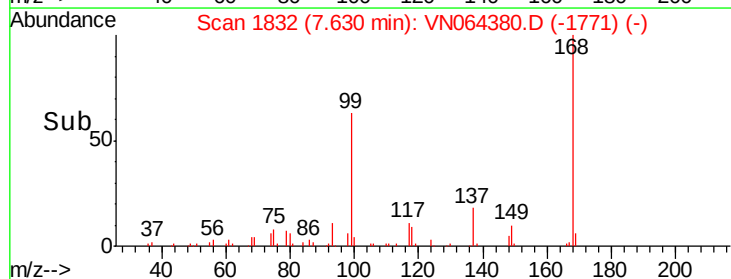
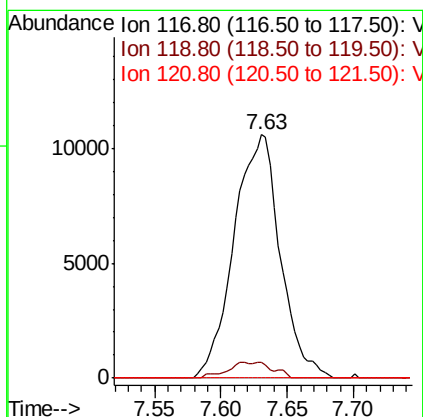
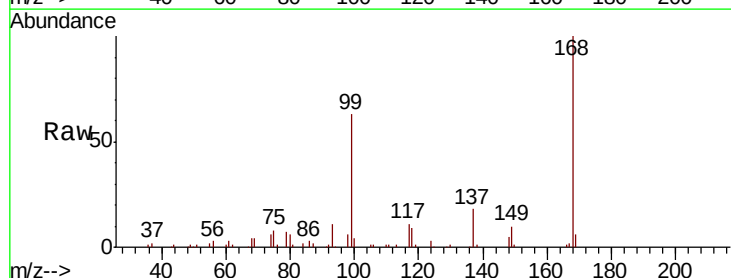
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132688ZHE#11

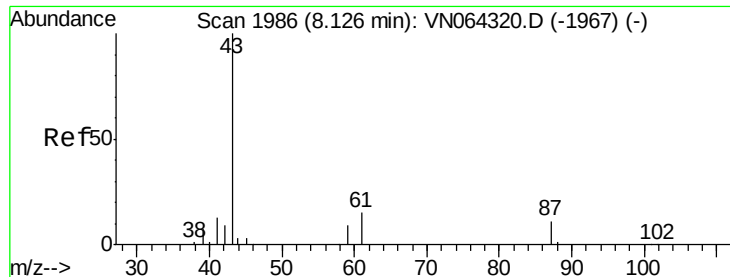
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.8	50.3#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 5.318 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.10 min
 Lab File: VN064380.D
 Acq: 29 Oct 2020 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	73.7	110.5#
121	0.0	22.8	34.2#





#43

Isopropyl Acetate

Concen: 12.144 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064380.D

Acq: 29 Oct 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

PB132688ZHE#11

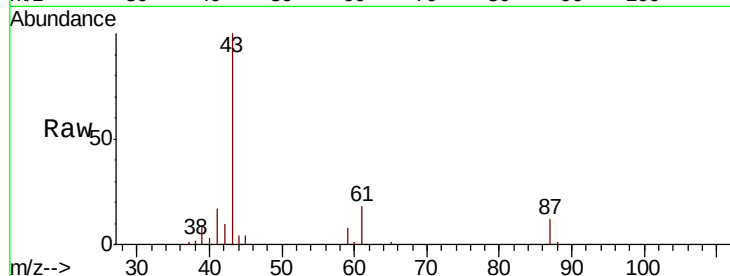
Tot Ion: 43 Resp: 87513

Ion Ratio Lower Upper

43 100

61 15.5 19.1 28.7#

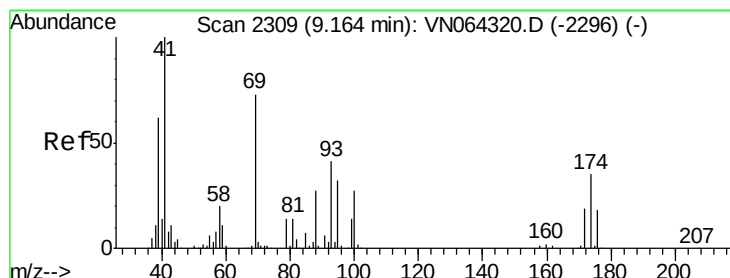
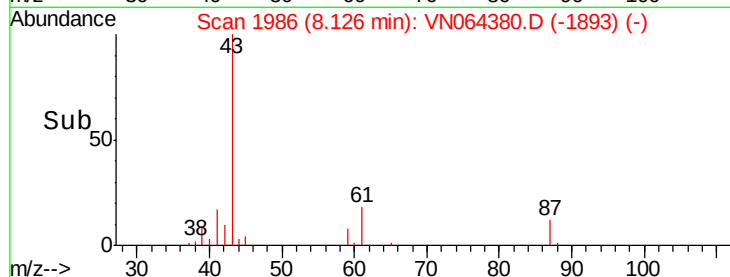
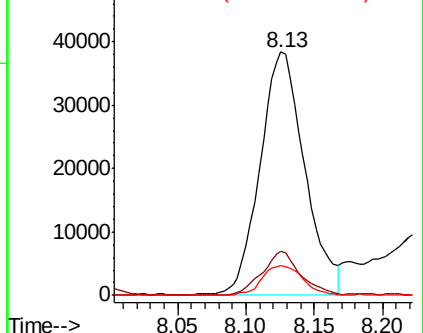
87 11.0 9.3 13.9



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

Methyl methacrylate

Concen: 1.272 ug/l

RT: 9.14 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VN064380.D

Acq: 29 Oct 2020 17:44

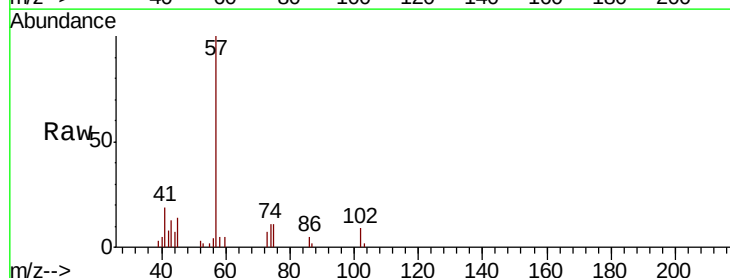
Tgt Ion: 41 Resp: 4730

Ion Ratio Lower Upper

41 100

69 0.0 59.1 88.7#

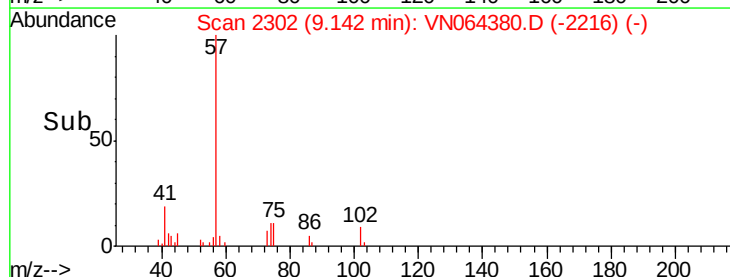
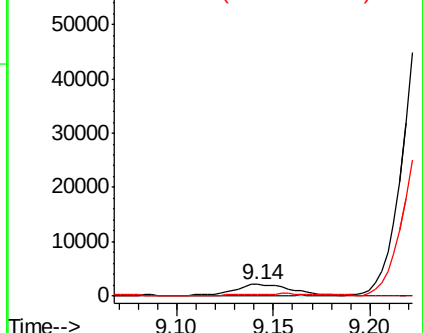
39 0.0 51.3 76.9#

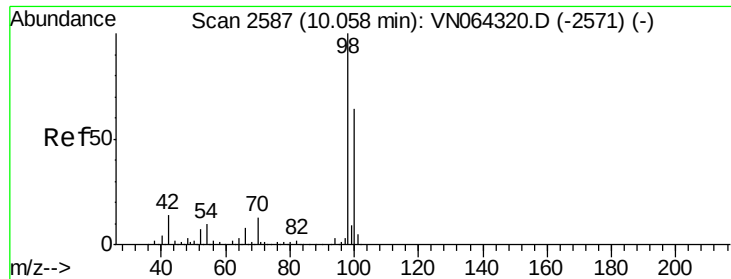


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 52.252 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064380.D

Acq: 29 Oct 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

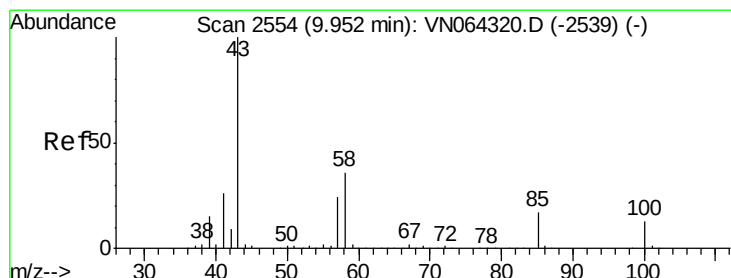
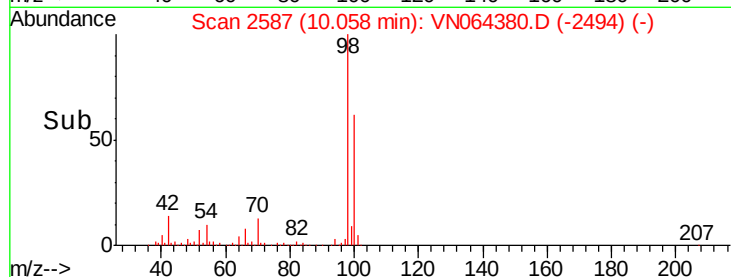
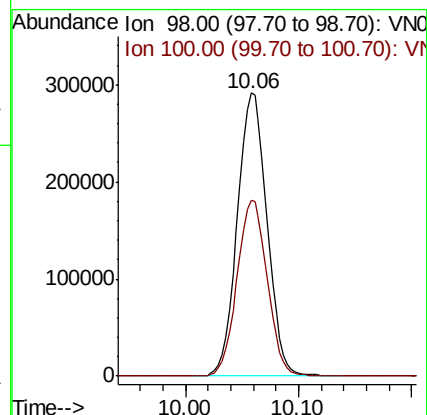
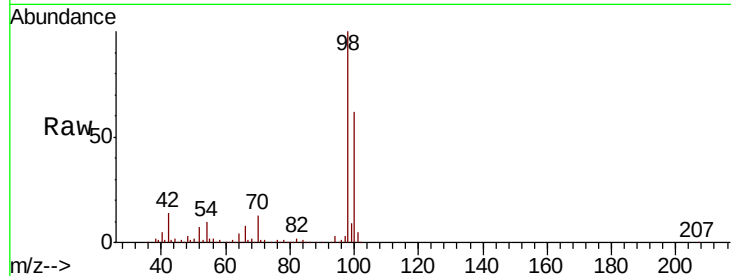
PB132688ZHE#11

Tot Ion: 98 Resp: 533009

Ion Ratio Lower Upper

98 100

100 63.0 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 1.985 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064380.D

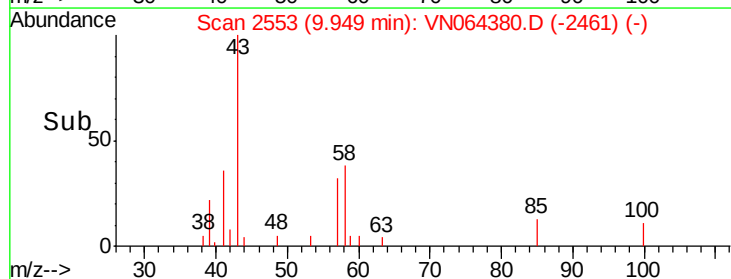
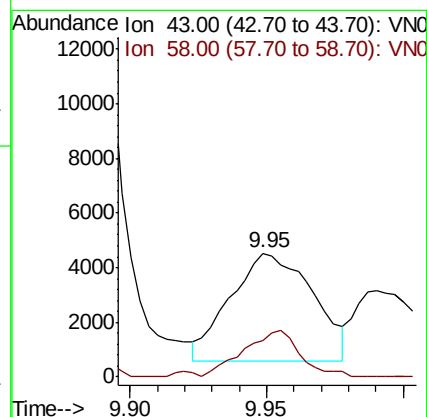
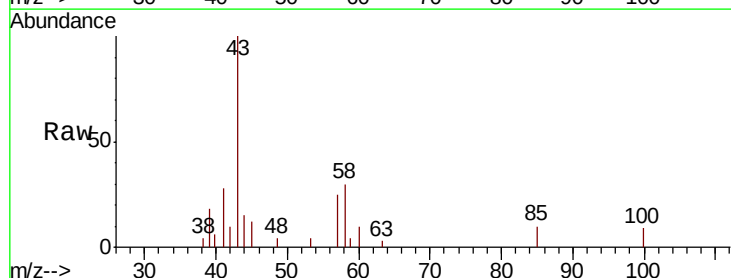
Acq: 29 Oct 2020 17:44

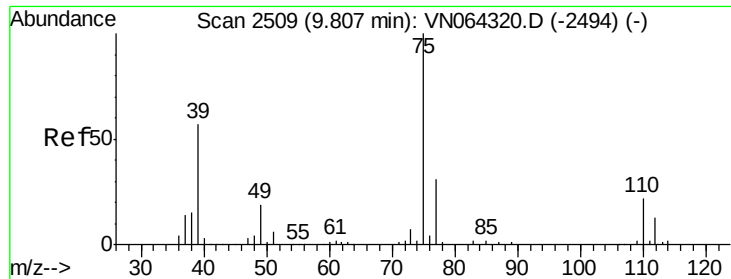
Tgt Ion: 43 Resp: 8314

Ion Ratio Lower Upper

43 100

58 29.6 28.6 42.8





#54

cis-1,3-Dichloropropene

Concen: 6.219 ug/l

RT: 9.87 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN064380.D

Acq: 29 Oct 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

PB132688ZHE#11

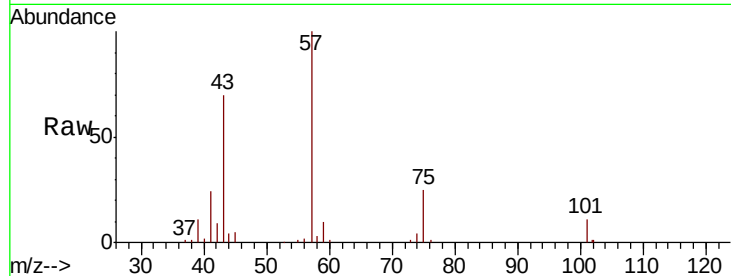
Tot Ion: 75 Resp: 32646

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

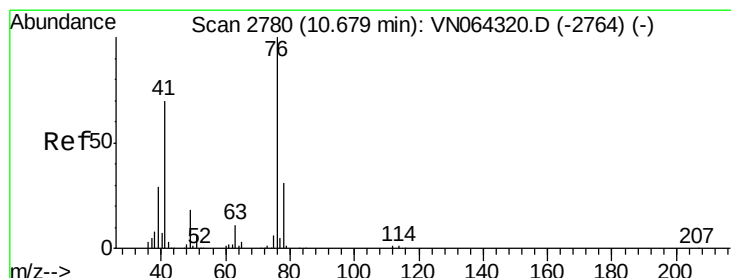
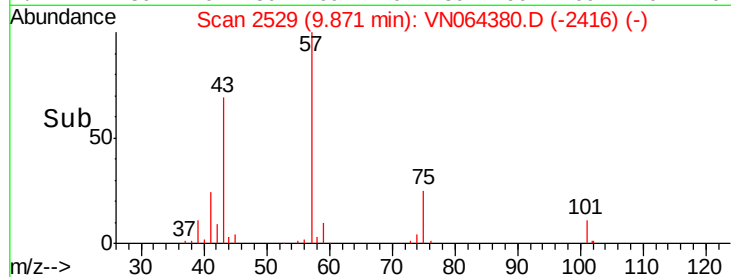
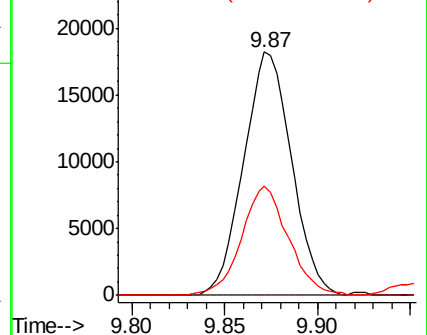
39 44.1 45.5 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.162 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN064380.D

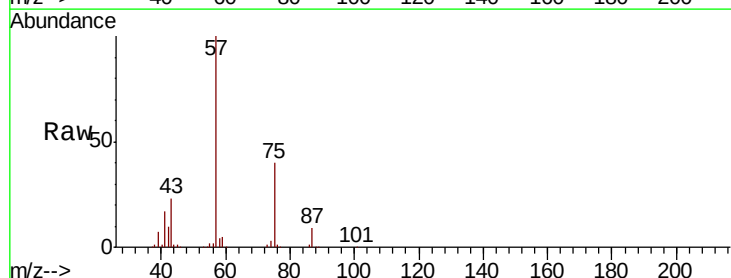
Acq: 29 Oct 2020 17:44

Tgt Ion: 76 Resp: 5737

Ion Ratio Lower Upper

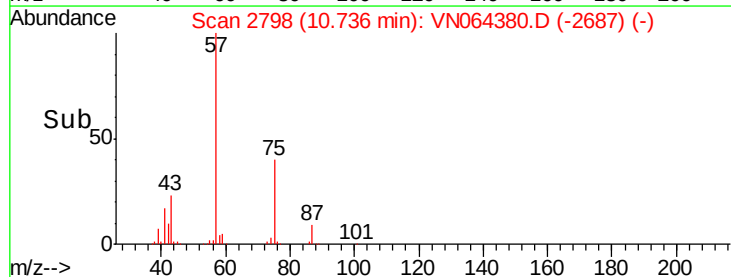
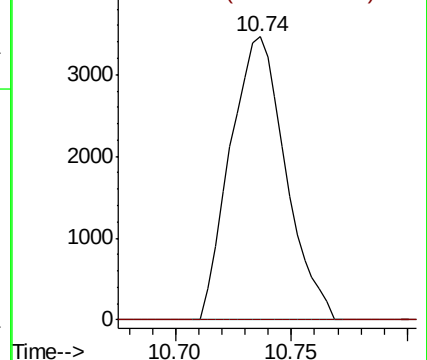
76 100

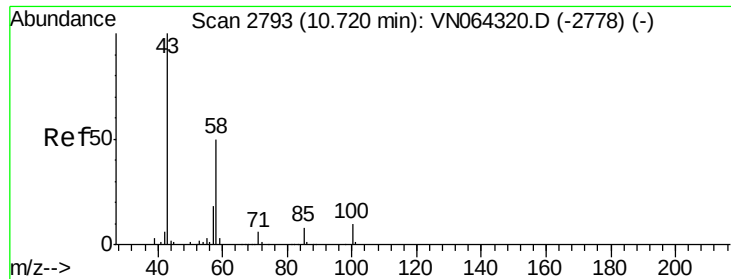
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

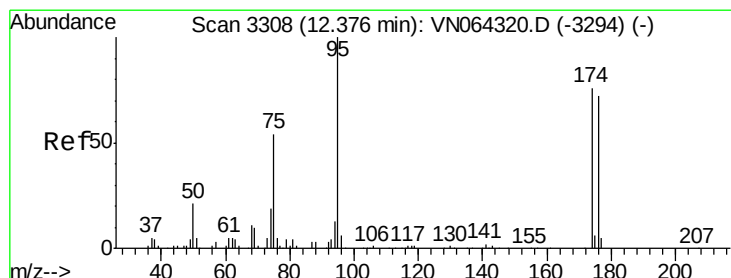
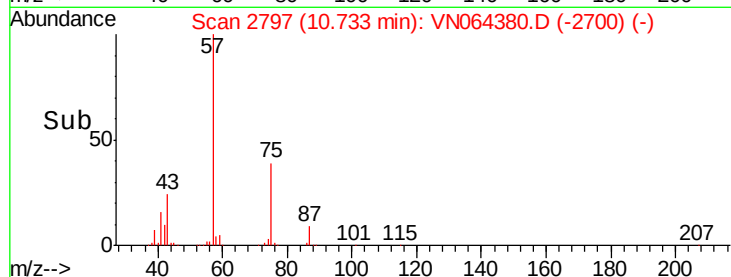
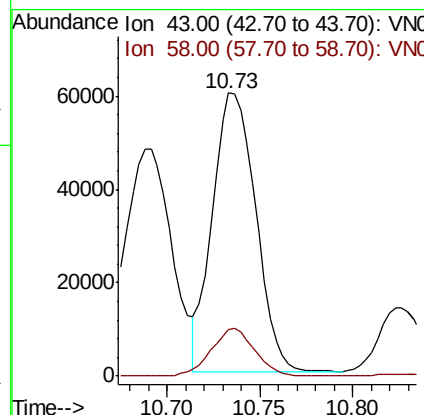
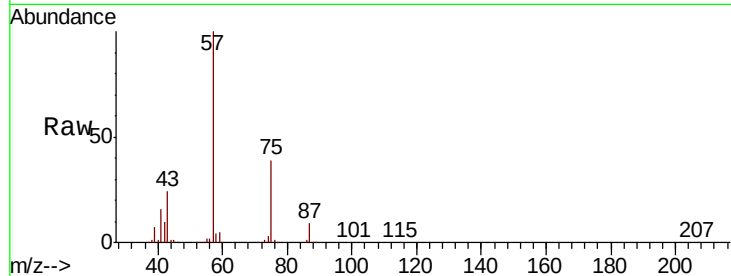




#59
2-Hexanone
Concen: 31.473 ug/l
RT: 10.73 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN064380.D
Acq: 29 Oct 2020 17:44

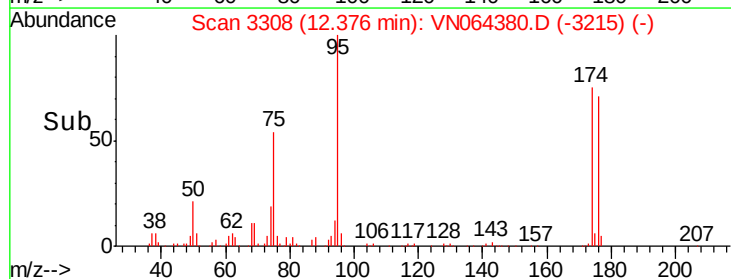
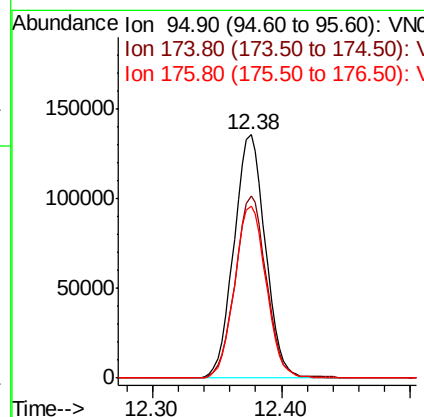
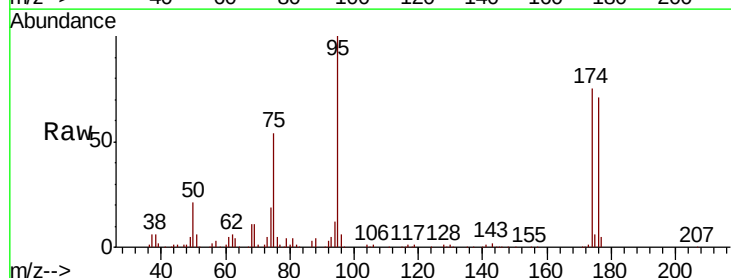
Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#11

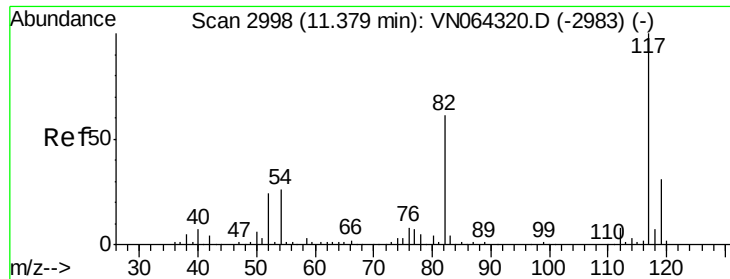
Tot Ion: 43 Resp: 97101
Ion Ratio Lower Upper
43 100
58 17.4 25.0 75.0#



#62
4-Bromofluorobenzene
Concen: 57.707 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064380.D
Acq: 29 Oct 2020 17:44

Tgt Ion: 95 Resp: 229514
Ion Ratio Lower Upper
95 100
174 74.1 0.0 147.4
176 71.2 0.0 143.6

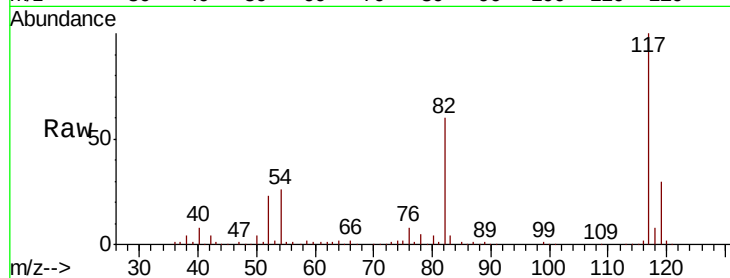




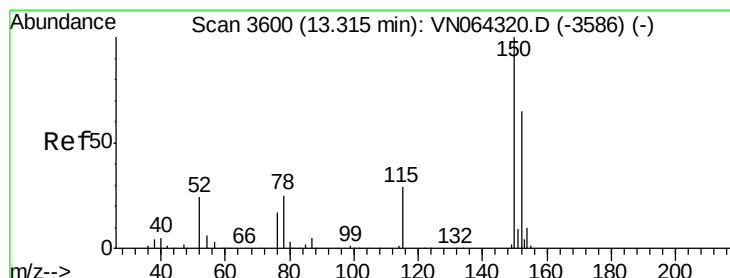
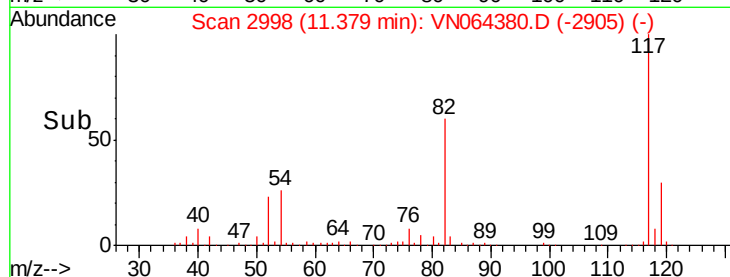
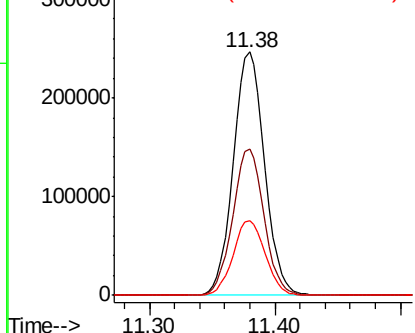
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064380.D
Acq: 29 Oct 2020 17:44

Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#11

Tot Ion:117 Resp: 427651
Ion Ratio Lower Upper
117 100
82 60.2 48.8 73.2
119 30.5 25.1 37.7

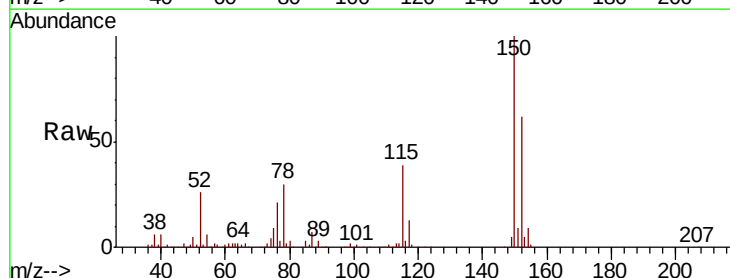


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

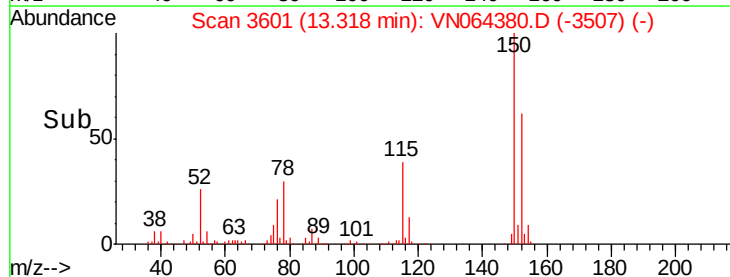
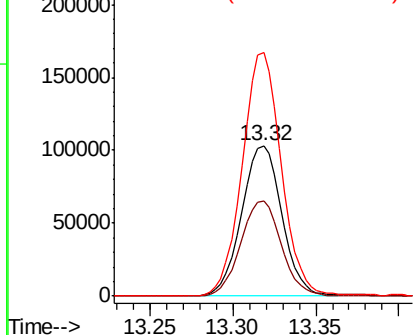


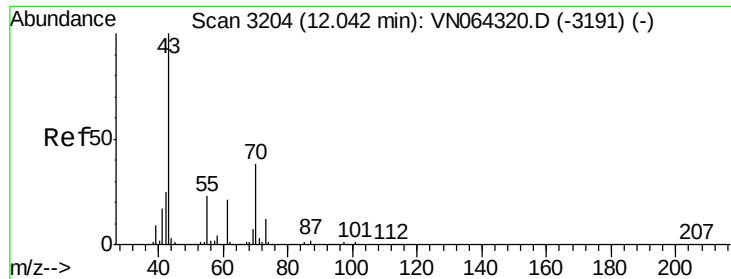
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064380.D
Acq: 29 Oct 2020 17:44

Tgt Ion:152 Resp: 174990
Ion Ratio Lower Upper
152 100
115 64.2 31.5 94.5
150 157.3 0.0 346.2



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-amvl acetate

Concen: 0.247 ug/l

RT: 12.00 min Scan# 3190

Delta R.T. -0.05 min

Lab File: VN064380.D

Acq: 29 Oct 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

PB132688ZHE#11

Tot Ion: 43 Resp: 1426

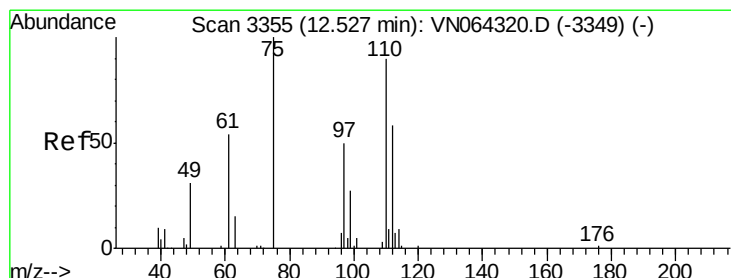
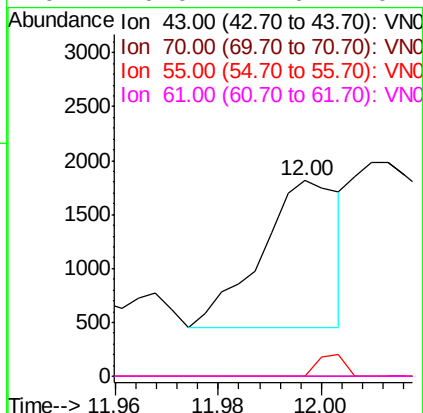
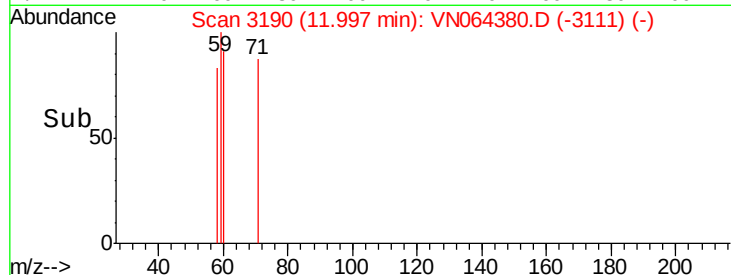
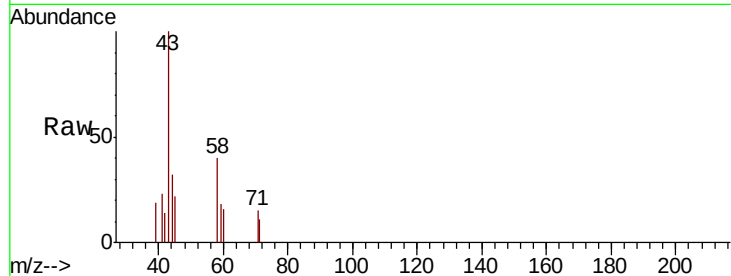
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 5.2 18.2 27.4#

61 0.0 17.6 26.4#



#76

1,2,3-Trichloropropane

Concen: 30.862 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064380.D

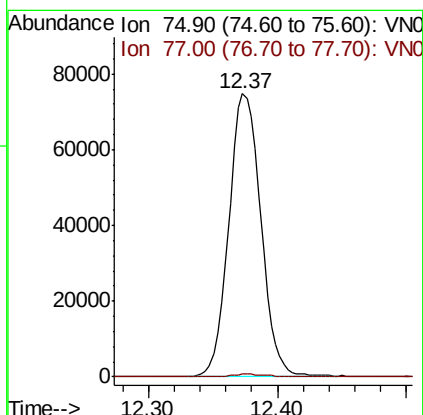
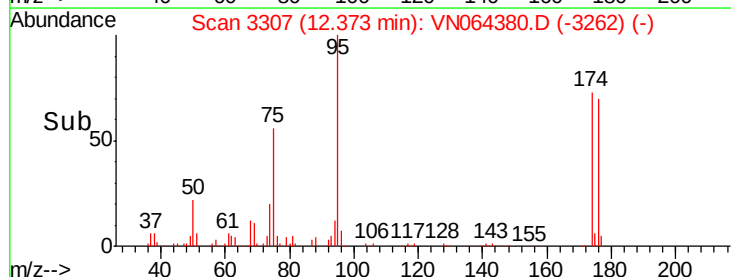
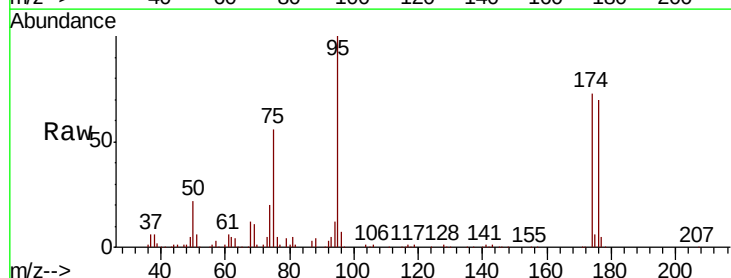
Acq: 29 Oct 2020 17:44

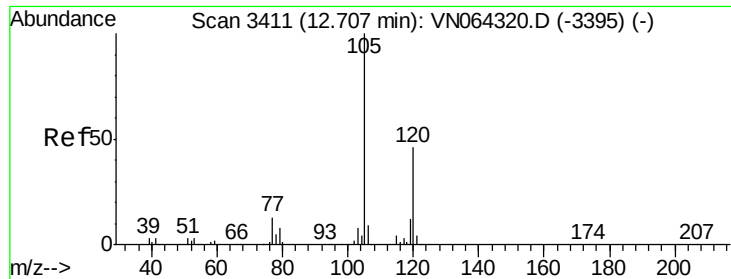
Tgt Ion: 75 Resp: 129329

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

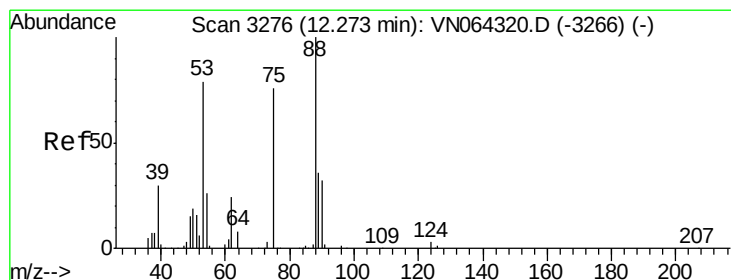
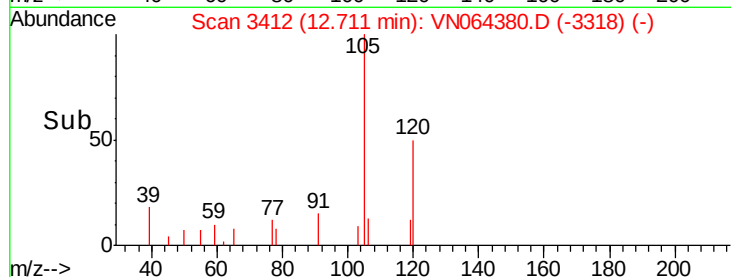
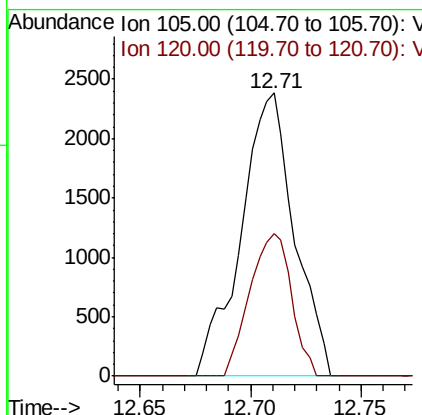
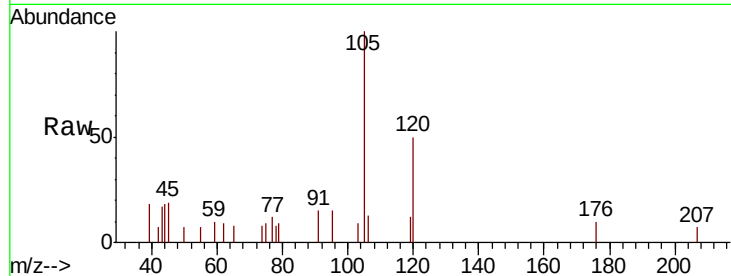




#80
 1,3,5-Trimethylbenzene
 Concen: 0.363 ug/l
 RT: 12.71 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VN064380.D
 Acq: 29 Oct 2020 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132688ZHE#11

Tot Ion:105 Resp: 4024
 Ion Ratio Lower Upper
 105 100
 120 39.3 22.9 68.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.899 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN064380.D
 Acq: 29 Oct 2020 17:44

Tgt Ion: 75 Resp: 129329
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.8 122.8#
 89 0.0 39.9 59.9#

