

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064536.D
 Acq On : 10 Nov 2020 19:26
 Operator : JC/MD
 Sample : PB132908ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132908ZHE#02

Quant Time: Nov 11 01:54:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	245692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	497566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	568459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198522	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	246416	57.58	ug/l	0.00
Spiked Amount			Recovery	=	115.16%	
35) Dibromofluoromethane	7.55	113	180732	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
50) Toluene-d8	10.06	98	692203	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.38	95	260279	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	

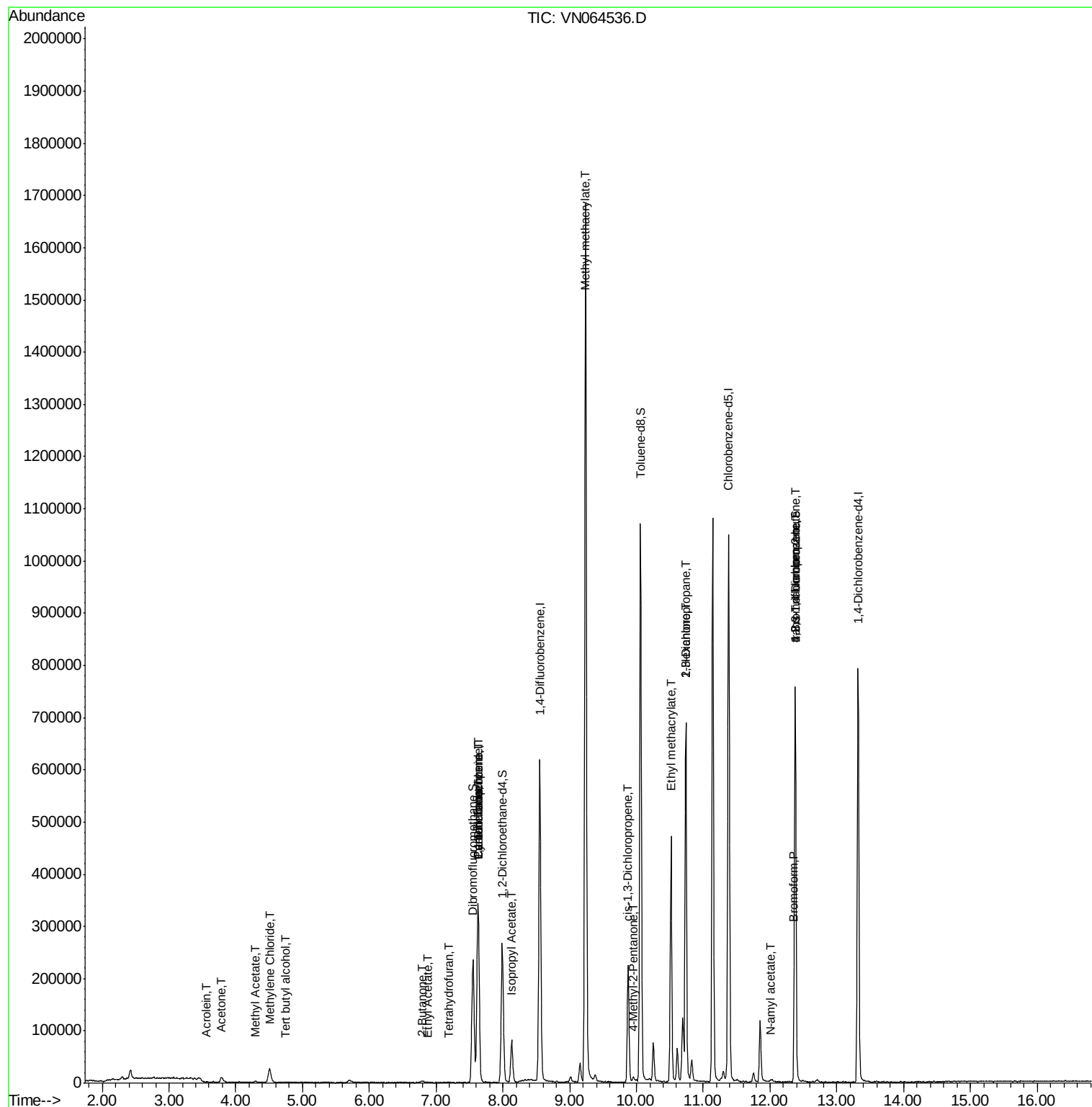
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	100	0.212	ug/l #	71
13) Acrolein	3.55	56	69	0.236	ug/l #	77
16) Acetone	3.79	43	18441	11.312	ug/l	100
18) Methyl Acetate	4.29	43	2681	0.837	ug/l #	86
20) Methylene Chloride	4.51	84	16935	5.236	ug/l	97
25) 2-Butanone	6.80	43	1109	0.534	ug/l #	52
29) Tetrahydrofuran	7.18	42	276	0.217	ug/l #	37
31) Cyclohexane	7.63	56	7192	1.382	ug/l #	27
36) 1,1-Dichloropropene	7.63	75	24295	4.622	ug/l #	50
37) Ethyl Acetate	6.88	43	170	0.794	ug/l #	71
38) Carbon Tetrachloride	7.63	117	29490	5.249	ug/l #	18
43) Isopropyl Acetate	8.13	43	92805	10.895	ug/l	100
48) Methyl methacrylate	9.24	41	172730	40.184	ug/l #	47
51) 4-Methyl-2-Pentanone	9.95	43	8152	1.641	ug/l	96
54) cis-1,3-Dichloropropene	9.87	75	34634	5.238	ug/l #	71
56) Ethyl methacrylate	10.51	69	3373	2.378	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	7137	1.113	ug/l #	42
59) 2-Hexanone	10.74	43	108124	30.289	ug/l #	54
71) Bromoform	12.35	173	99	1.303	ug/l #	29
74) N-amyl acetate	12.00	43	3511	1.662	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	146179	30.391	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	146179	84.854	ug/l #	8

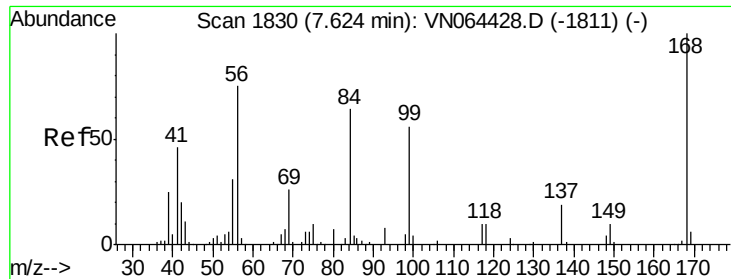
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111020\
Data File : VN064536.D
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Misc : 5.00mL/MSVOA N/WATER
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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN064536.D

Acq: 10 Nov 2020 19:26

Instrument :

MSVOA_N

ClientSampleId :

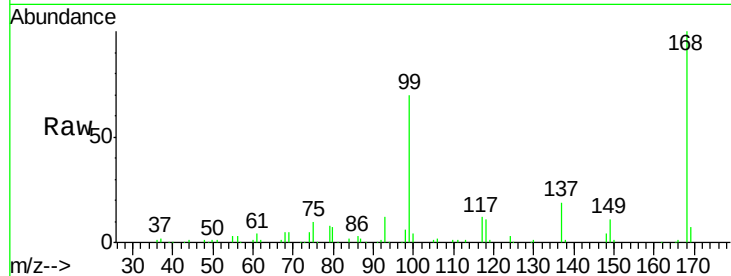
PB132908ZHE#02

Tot Ion:168 Resp: 245692

Ion Ratio Lower Upper

168 100

99 70.0 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

60000

40000

20000

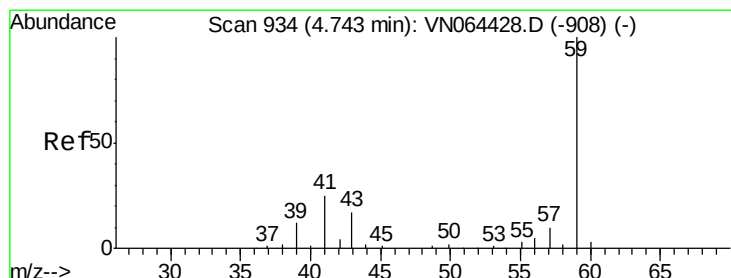
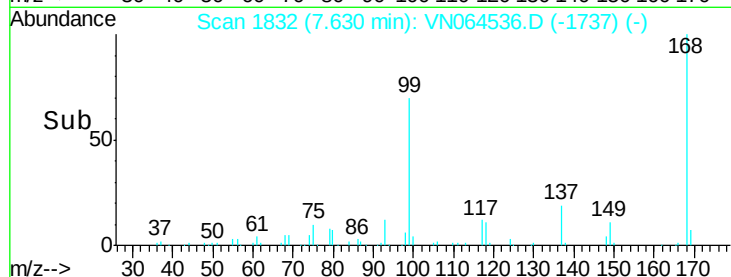
0

Time-->

7.50

7.60

7.70



#11

Tert butyl alcohol

Concen: 0.212 ug/l

RT: 4.74 min Scan# 934

Delta R.T. -0.00 min

Lab File: VN064536.D

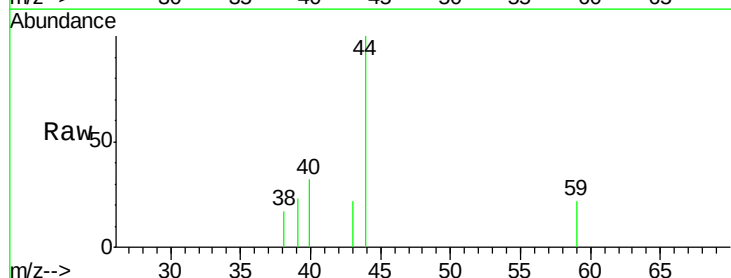
Acq: 10 Nov 2020 19:26

Tgt Ion: 59 Resp: 100

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.74

200

150

100

50

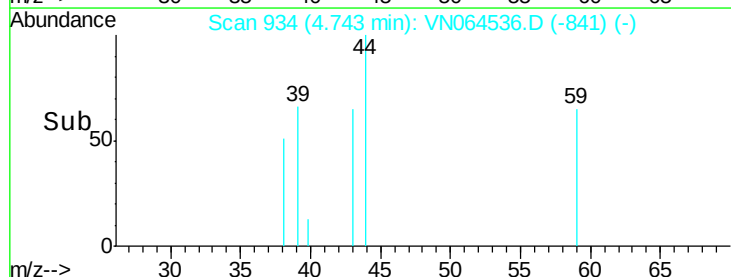
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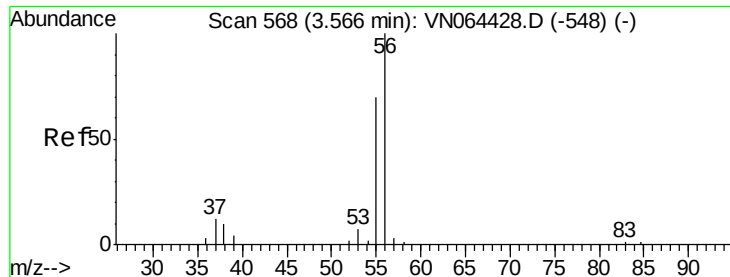
Time-->

4.73

4.74

4.75





#13

Acrolein

Concen: 0.236 ug/l

RT: 3.55 min Scan# 564

Delta R.T. -0.01 min

Lab File: VN064536.D

Acq: 10 Nov 2020 19:26

Instrument :

MSVOA_N

ClientSampleId :

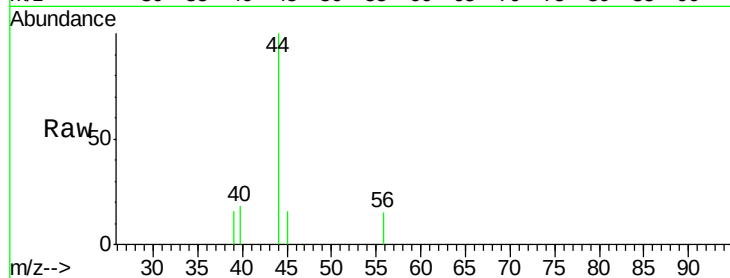
PB132908ZHE#02

Tot Ion: 56 Resp: 69

Ion Ratio Lower Upper

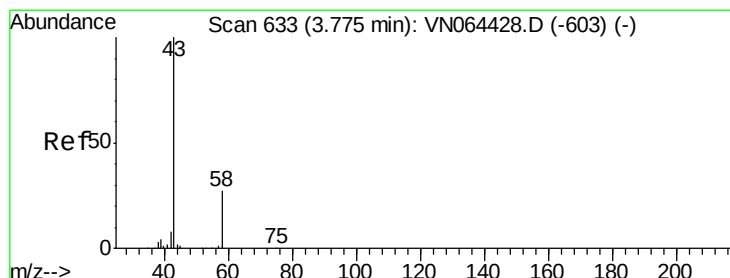
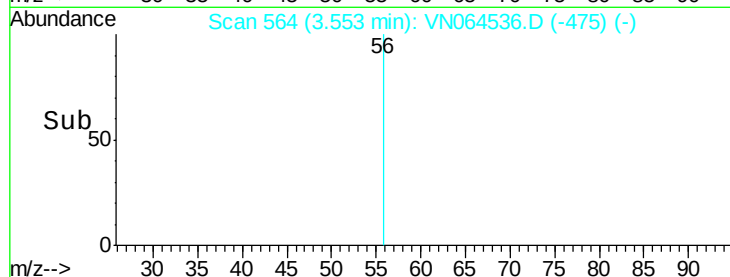
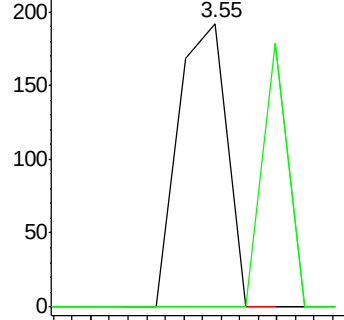
56 100

55 50.7 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 11.312 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN064536.D

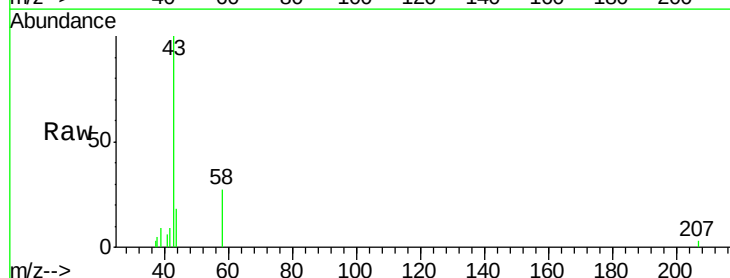
Acq: 10 Nov 2020 19:26

Tgt Ion: 43 Resp: 18441

Ion Ratio Lower Upper

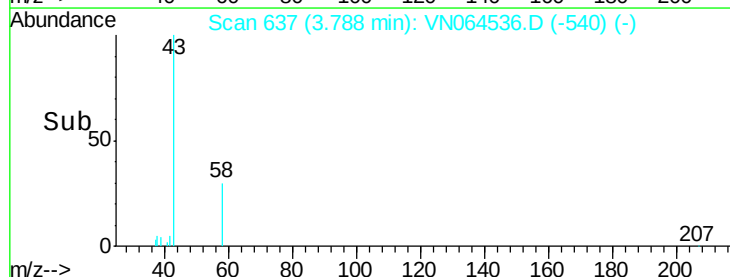
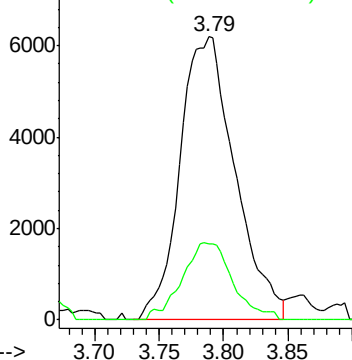
43 100

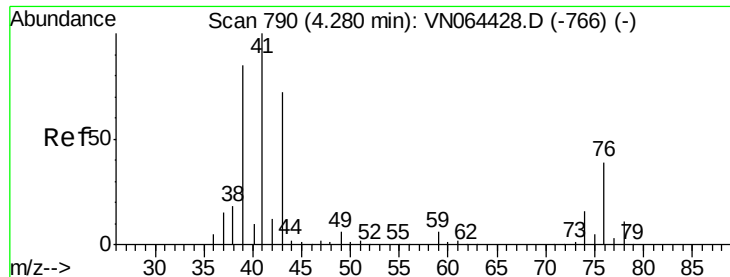
58 26.9 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

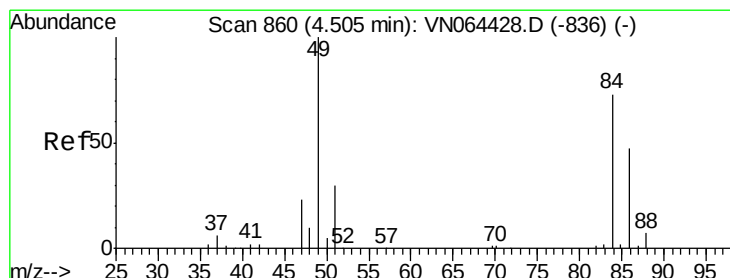
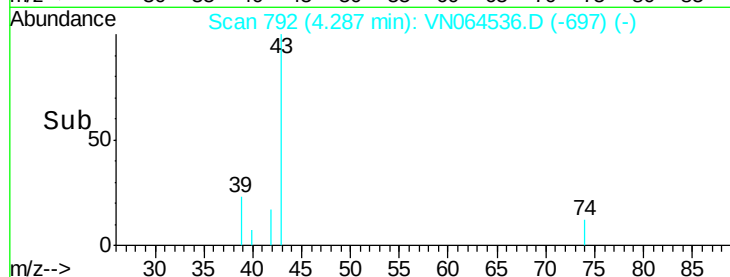
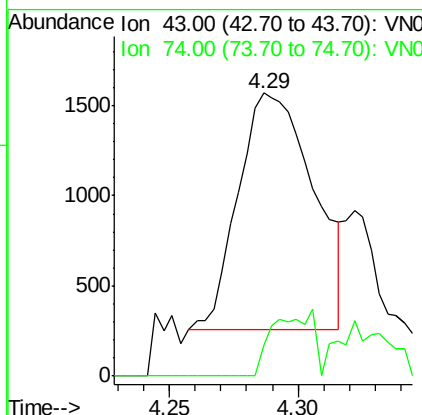
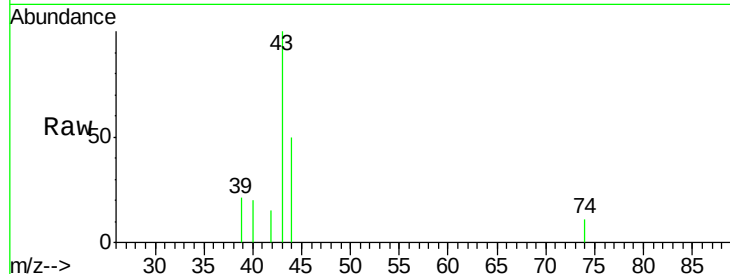




#18
Methyl Acetate
Concen: 0.837 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN064536.D
Acq: 10 Nov 2020 19:26

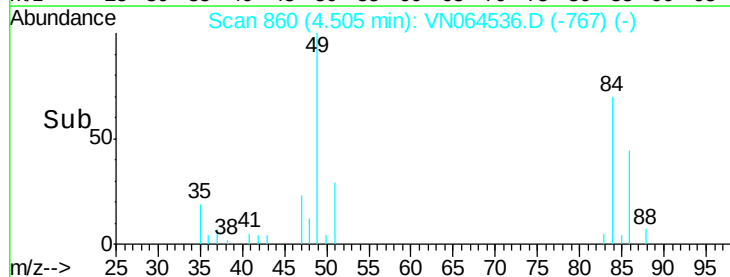
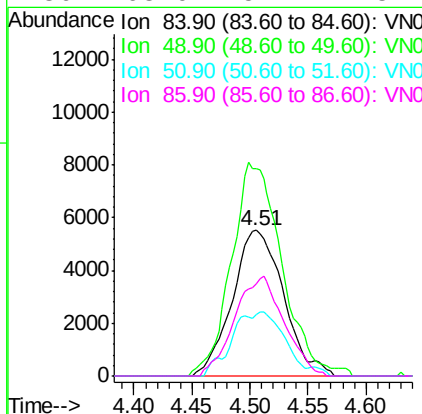
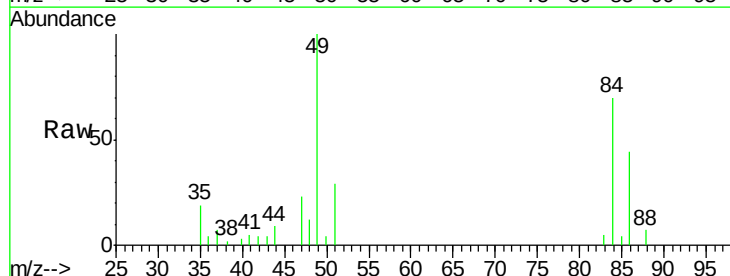
Instrument :
MSVOA_N
ClientSampleId :
PB132908ZHE#02

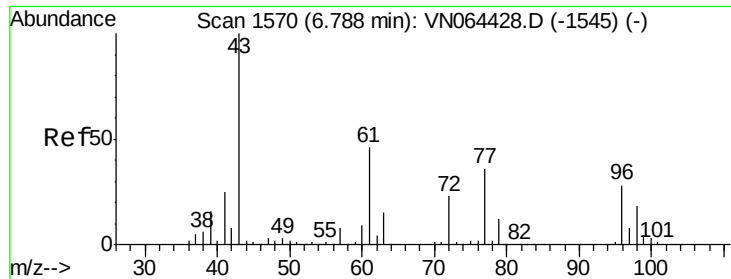
Tot Ion: 43 Resp: 2681
Ion Ratio Lower Upper
43 100
74 14.7 17.0 25.4#



#20
Methylene Chloride
Concen: 5.236 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064536.D
Acq: 10 Nov 2020 19:26

Tgt Ion: 84 Resp: 16935
Ion Ratio Lower Upper
84 100
49 142.2 110.1 165.1
51 41.9 33.6 50.4
86 63.0 52.1 78.1

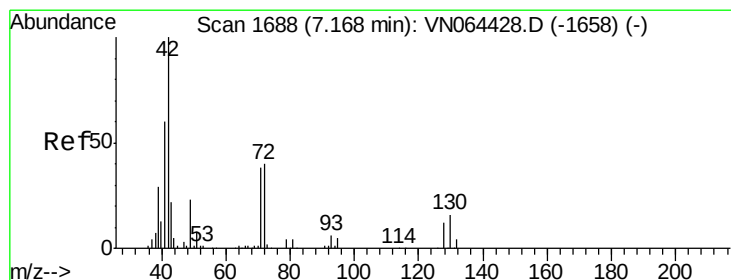
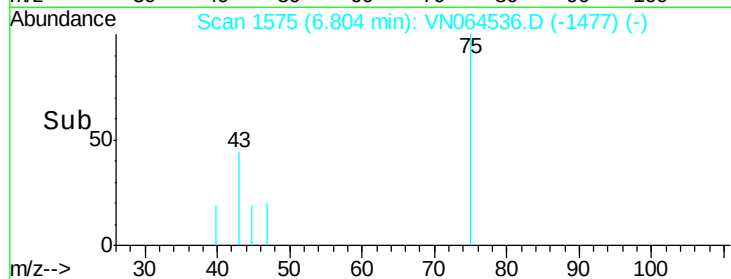
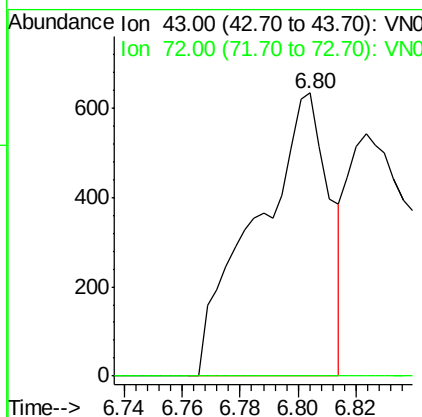
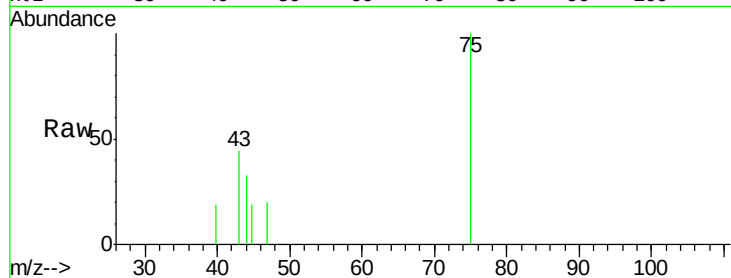




#25
 2-Butanone
 Concen: 0.534 ug/l
 RT: 6.80 min Scan# 1575
 Delta R.T. 0.02 min
 Lab File: VN064536.D
 Acq: 10 Nov 2020 19:26

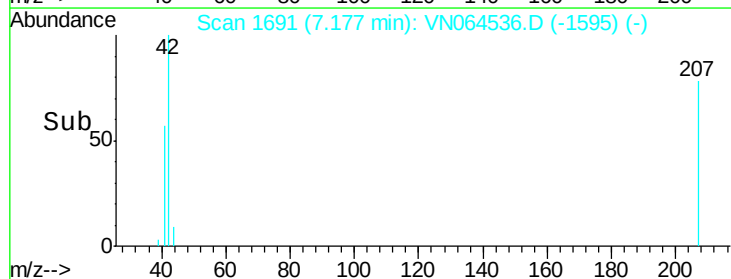
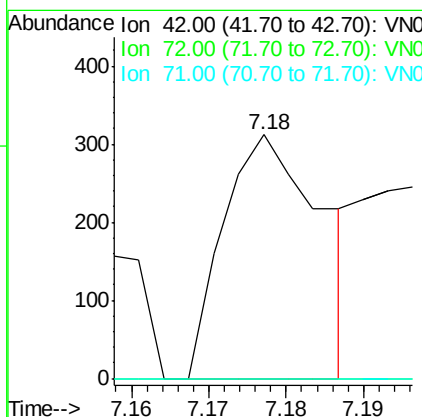
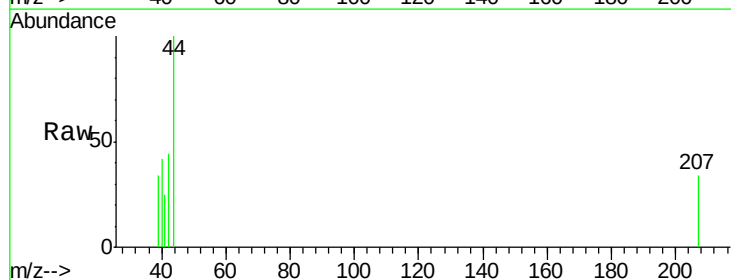
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132908ZHE#02

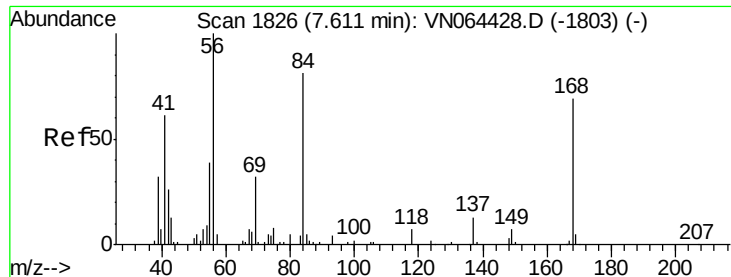
Tot Ion: 43 Resp: 1109
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.5 27.7#



#29
 Tetrahydrofuran
 Concen: 0.217 ug/l
 RT: 7.18 min Scan# 1691
 Delta R.T. 0.01 min
 Lab File: VN064536.D
 Acq: 10 Nov 2020 19:26

Tgt Ion: 42 Resp: 276
 Ion Ratio Lower Upper
 42 100
 72 0.0 31.7 47.5#
 71 0.0 29.8 44.6#

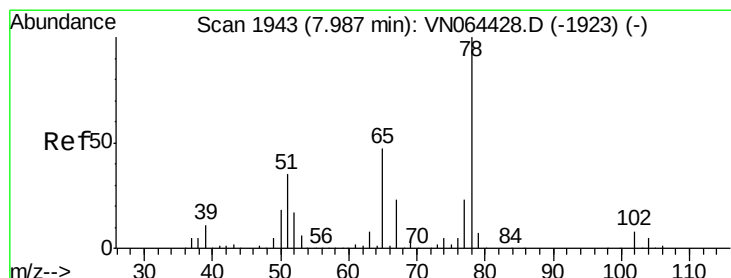
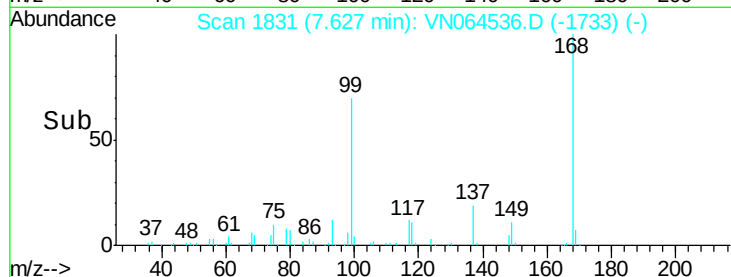
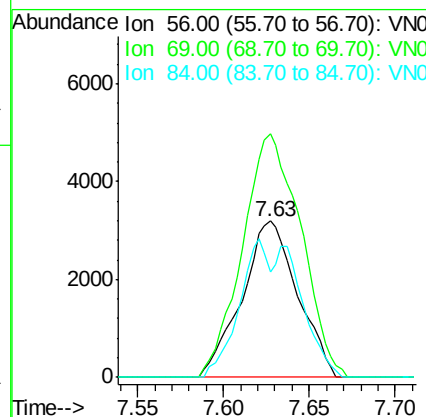
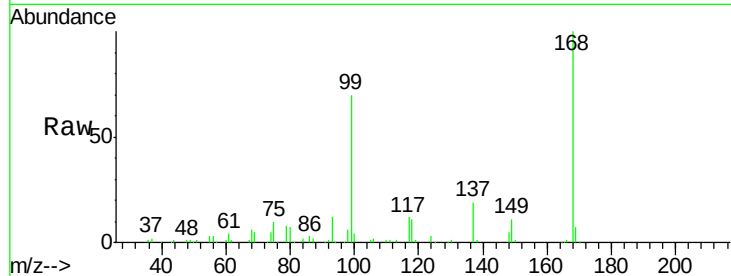




#31
Cyclohexane
Concen: 1.382 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN064536.D
Acq: 10 Nov 2020 19:26

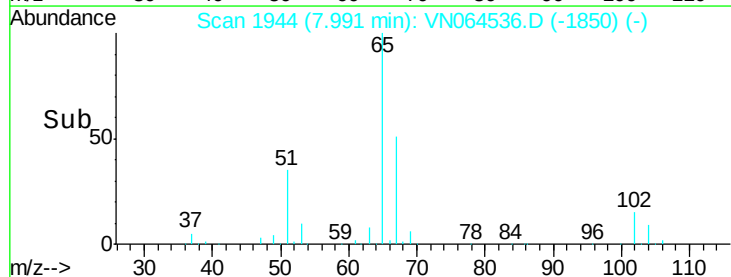
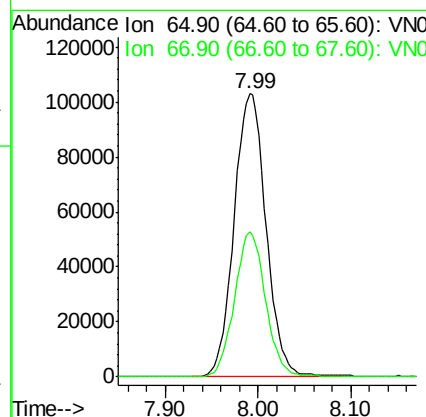
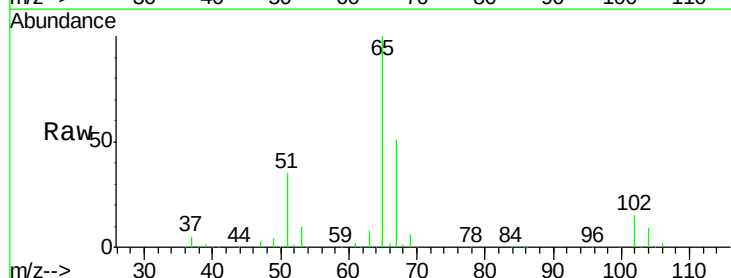
Instrument :
MSVOA_N
ClientSampleId :
PB132908ZHE#02

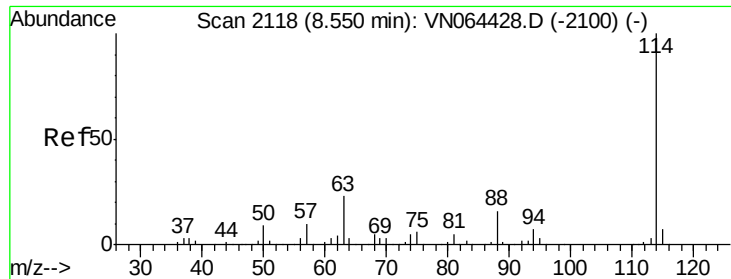
Tot Ion: 56 Resp: 7192
Ion Ratio Lower Upper
56 100
69 156.1 25.6 38.4#
84 67.5 63.0 94.6



#33
1,2-Dichloroethane-d4
Concen: 57.580 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN064536.D
Acq: 10 Nov 2020 19:26

Tgt Ion: 65 Resp: 246416
Ion Ratio Lower Upper
65 100
67 49.6 0.0 101.6

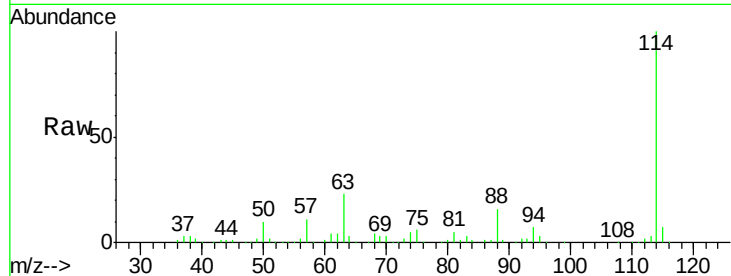




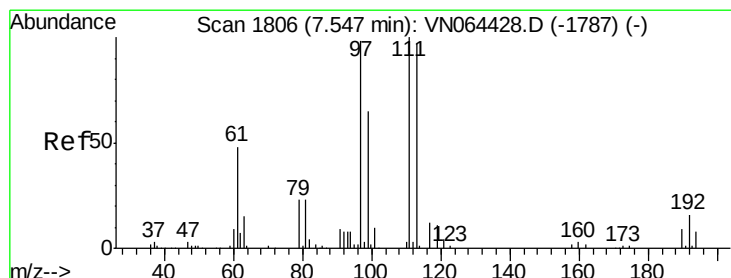
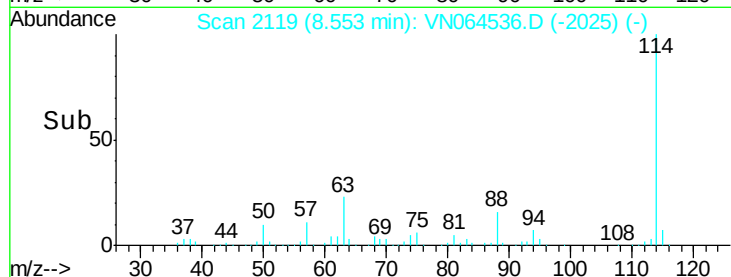
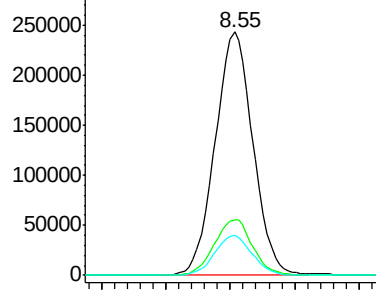
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN064536.D
Acq: 10 Nov 2020 19:26

Instrument :
MSVOA_N
ClientSampleId :
PB132908ZHE#02

Tot Ion:114 Resp: 497566
Ion Ratio Lower Upper
114 100
63 22.9 0.0 45.6
88 16.4 0.0 32.8

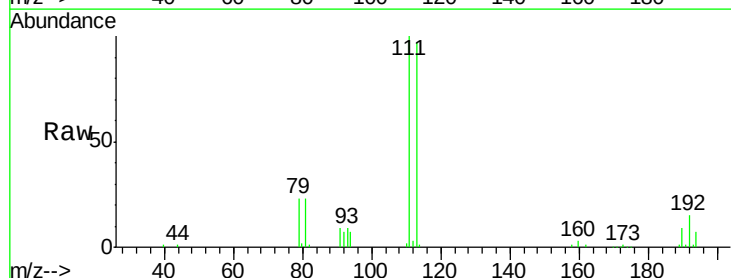


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

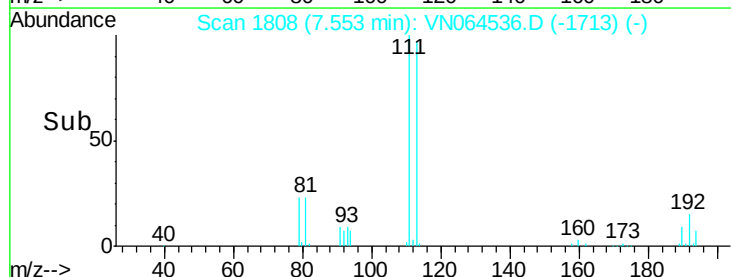
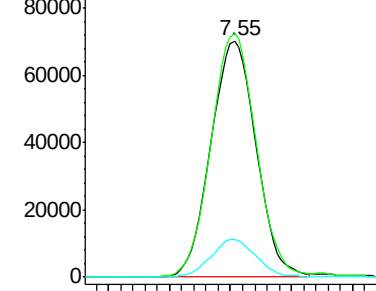


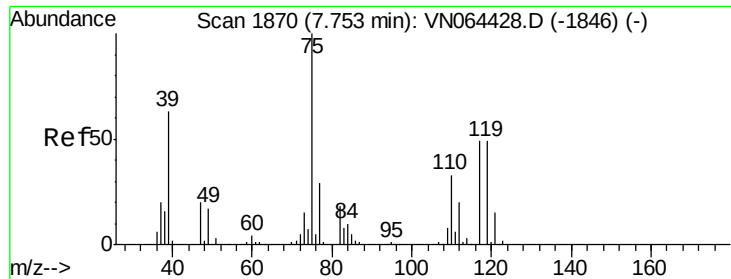
#35
Dibromofluoromethane
Concen: 53.349 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VN064536.D
Acq: 10 Nov 2020 19:26

Tgt Ion:113 Resp: 180732
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 15.9 12.8 19.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

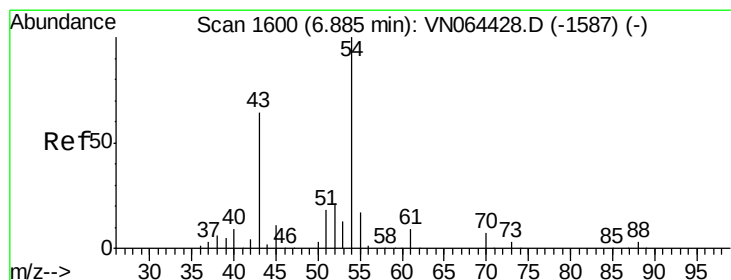
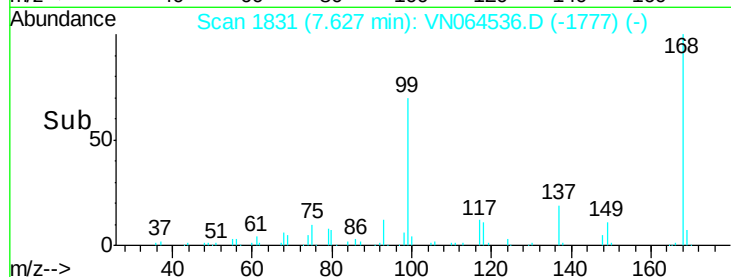
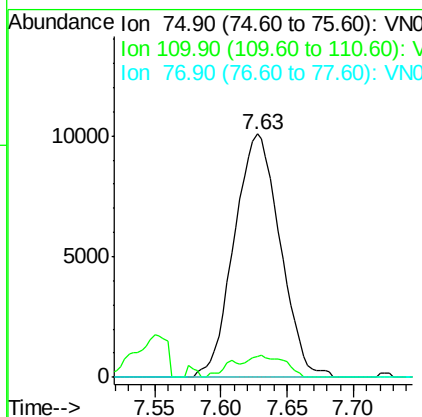
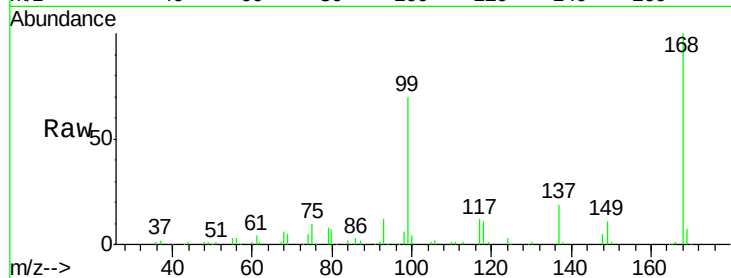




#36
 1,1-Dichloropropene
 Concen: 4.622 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064536.D
 Acq: 10 Nov 2020 19:26

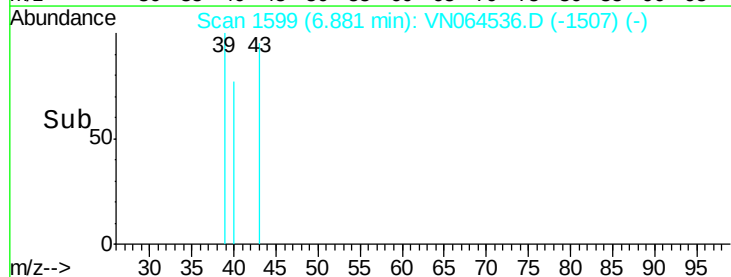
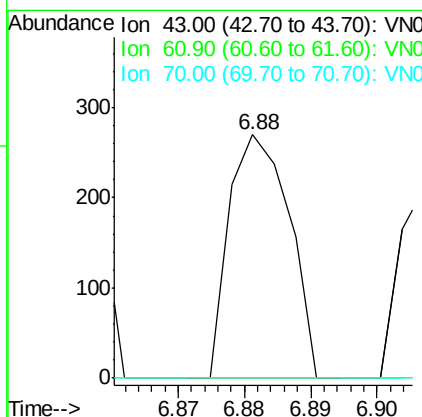
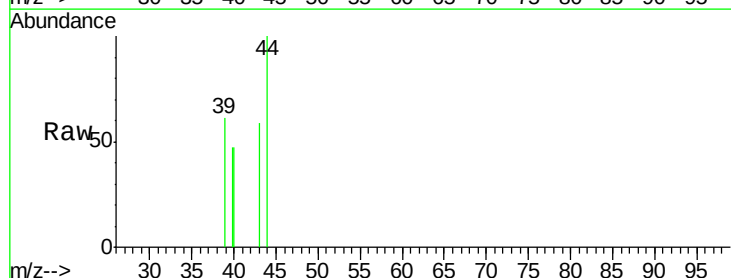
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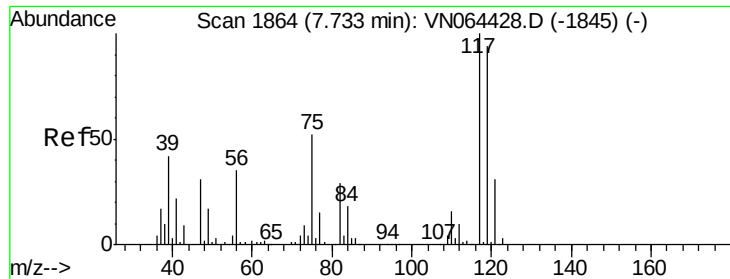
Tot Ion: 75 Resp: 24295
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.0 48.0#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.794 ug/l
 RT: 6.88 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VN064536.D
 Acq: 10 Nov 2020 19:26

Tgt Ion: 43 Resp: 170
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 5.249 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064536.D

Acq: 10 Nov 2020 19:26

Instrument :

MSVOA_N

ClientSampleId :

PB132908ZHE#02

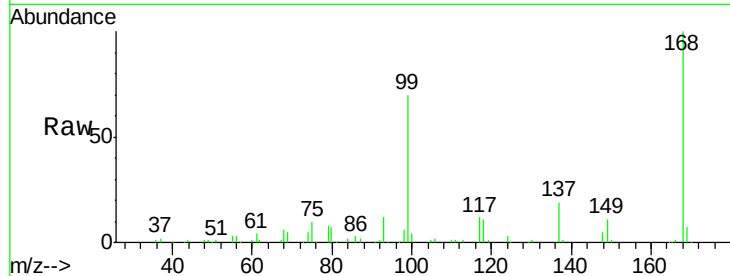
Tot Ion:117 Resp: 29490

Ion Ratio Lower Upper

117 100

119 7.0 75.5 113.3#

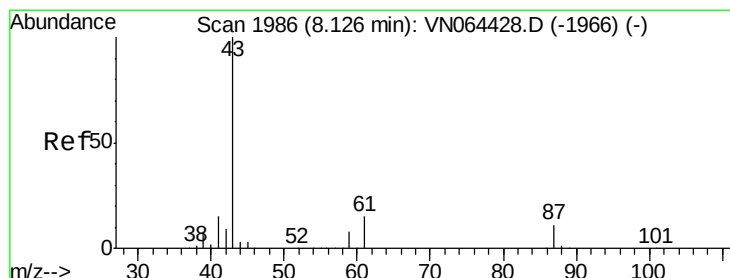
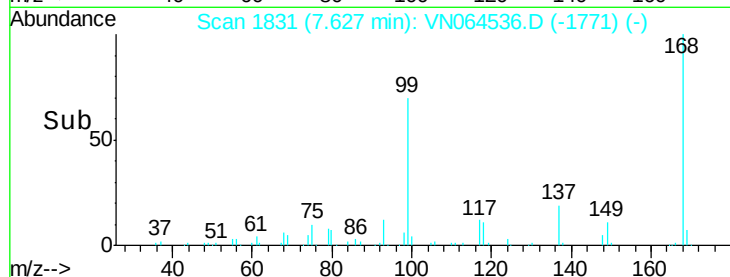
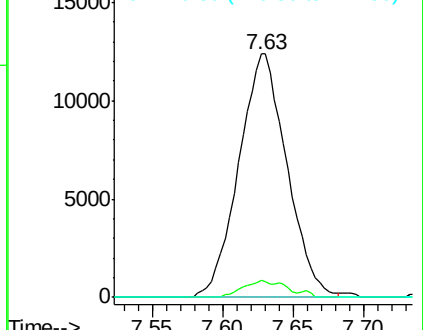
121 0.0 24.4 36.6#



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: 10.895 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064536.D

Acq: 10 Nov 2020 19:26

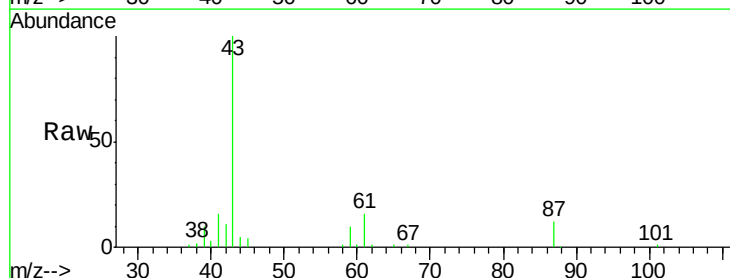
Tgt Ion: 43 Resp: 92805

Ion Ratio Lower Upper

43 100

61 17.5 14.0 21.0

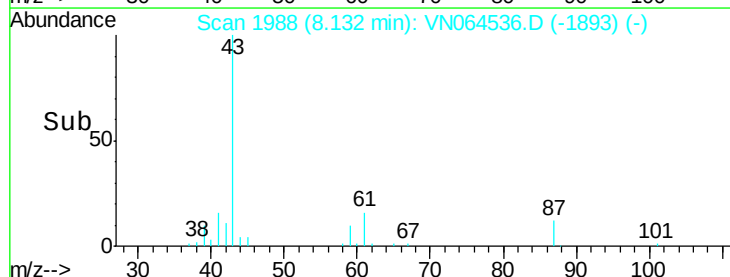
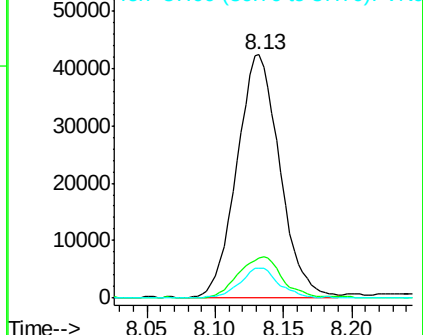
87 11.2 9.1 13.7

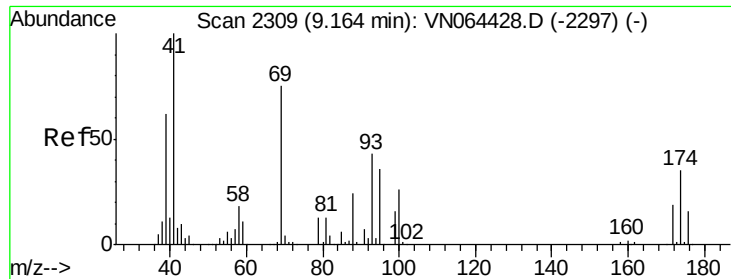


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

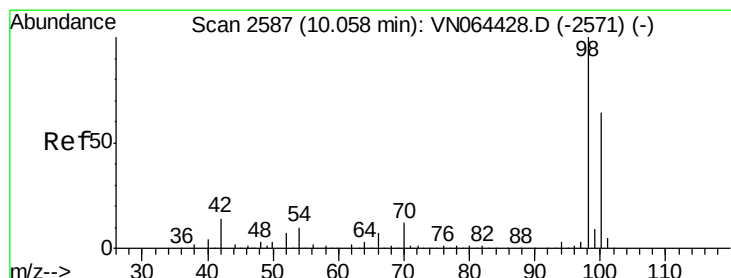
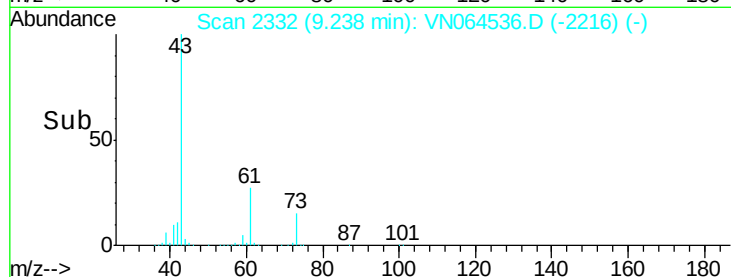
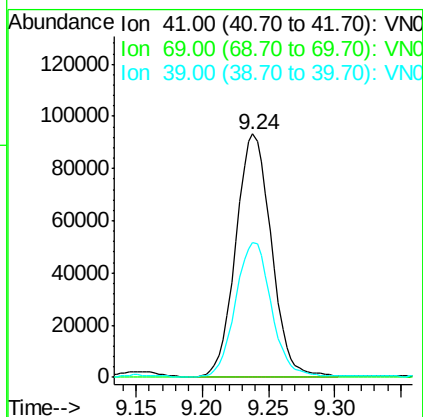
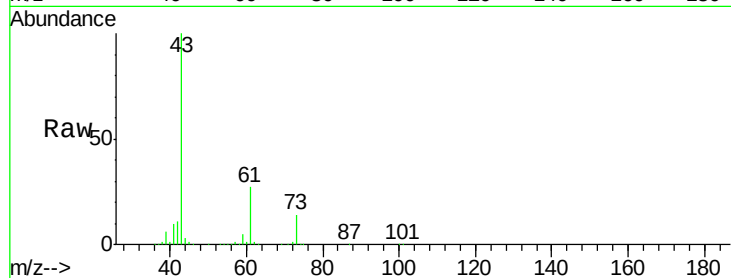




#48
Methyl methacrylate
Concen: 40.184 ug/l
RT: 9.24 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN064536.D
Acq: 10 Nov 2020 19:26

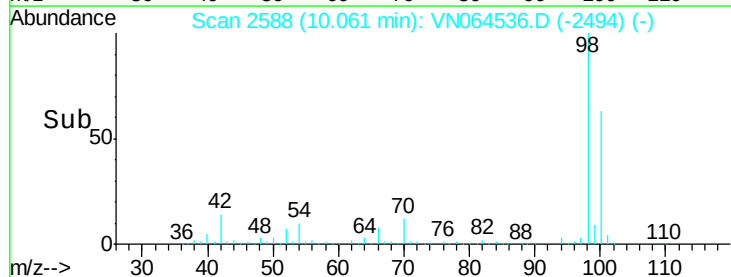
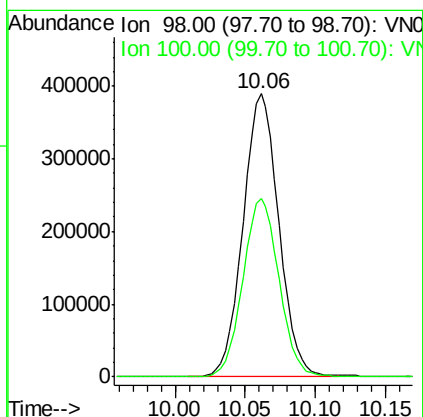
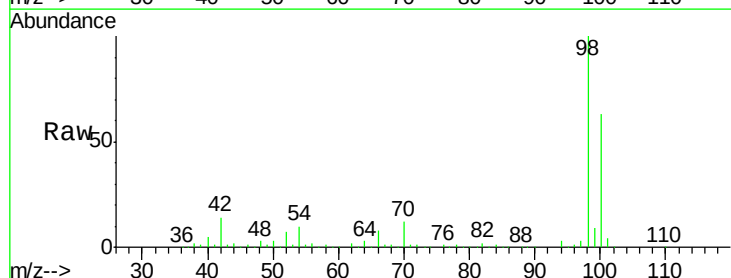
Instrument :
MSVOA_N
ClientSampleId :
PB132908ZHE#02

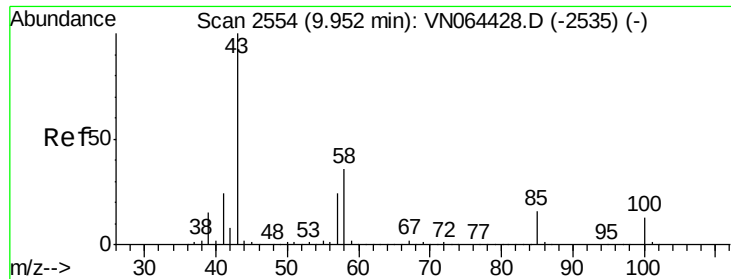
Tot Ion: 41 Resp: 172730
Ion Ratio Lower Upper
41 100
69 0.1 60.4 90.6#
39 55.6 51.2 76.8



#50
Toluene-d8
Concen: 52.866 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064536.D
Acq: 10 Nov 2020 19:26

Tgt Ion: 98 Resp: 692203
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1

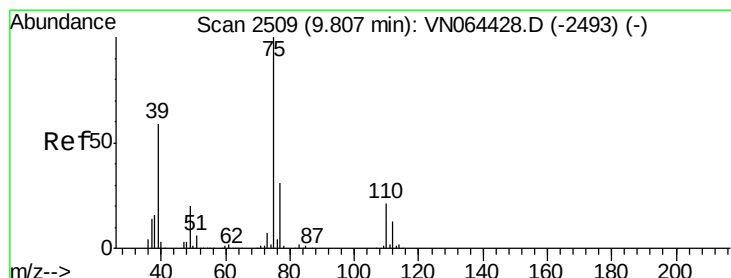
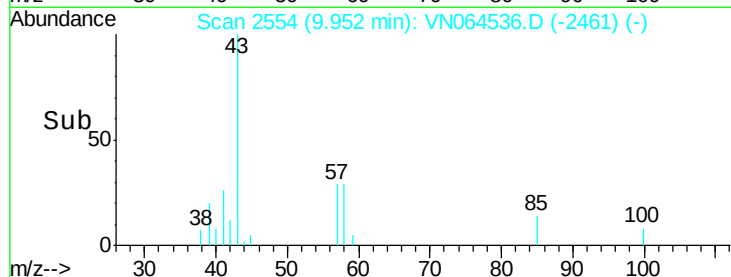
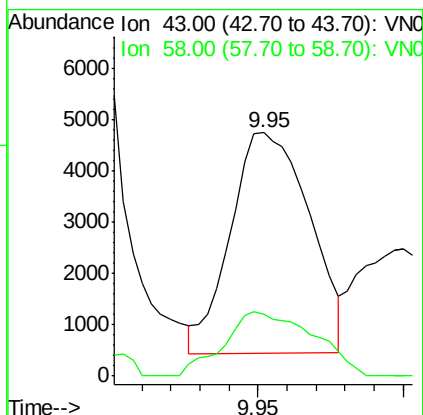
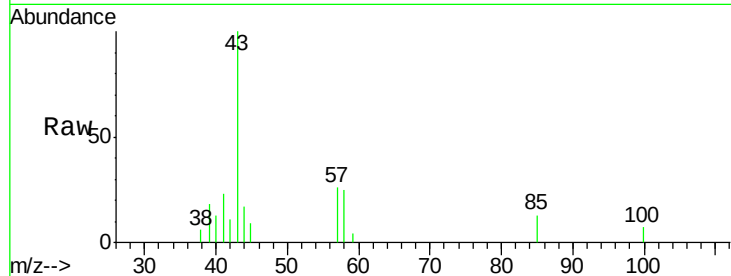




#51
4-Methyl-2-Pentanone
Concen: 1.641 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064536.D
Acq: 10 Nov 2020 19:26

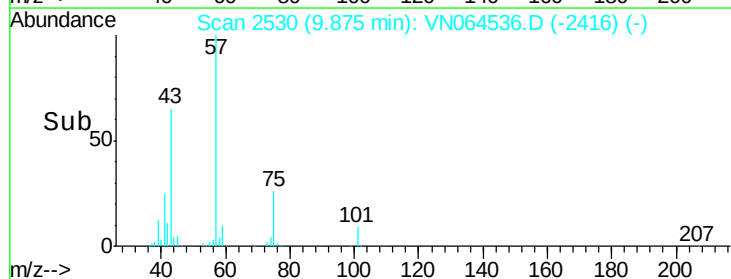
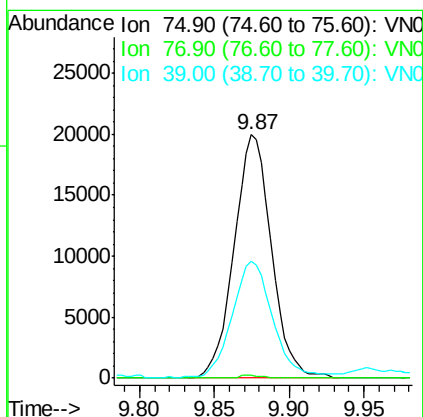
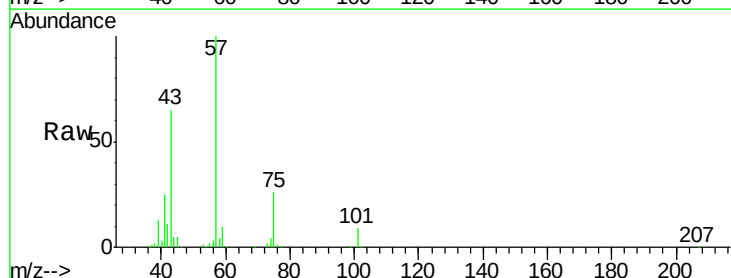
Instrument :
MSVOA_N
ClientSampleId :
PB132908ZHE#02

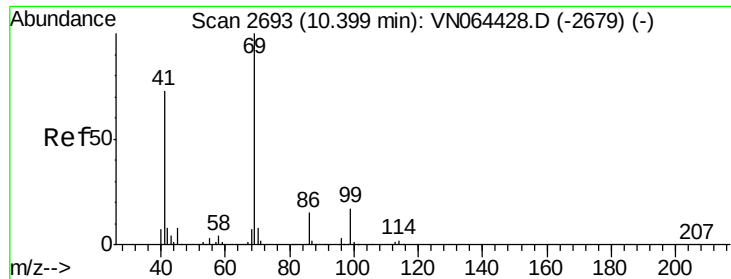
Tot Ion: 43 Resp: 8152
Ion Ratio Lower Upper
43 100
58 33.2 28.4 42.6



#54
cis-1,3-Dichloropropene
Concen: 5.238 ug/l
RT: 9.87 min Scan# 2530
Delta R.T. 0.07 min
Lab File: VN064536.D
Acq: 10 Nov 2020 19:26

Tgt Ion: 75 Resp: 34634
Ion Ratio Lower Upper
75 100
77 1.0 24.9 37.3#
39 47.0 47.1 70.7#





#56

Ethyl methacrylate

Concen: 2.378 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN064536.D

Acq: 10 Nov 2020 19:26

Instrument :

MSVOA_N

ClientSampleId :

PB132908ZHE#02

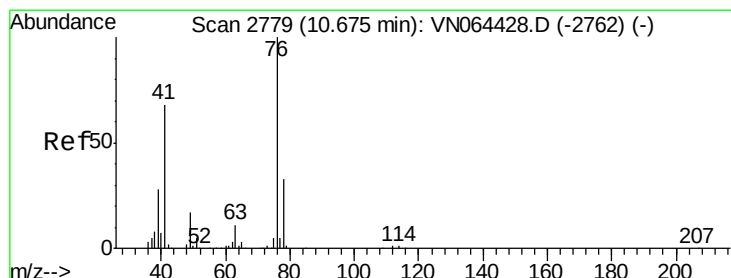
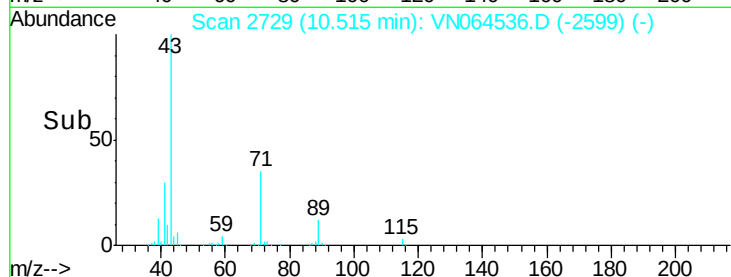
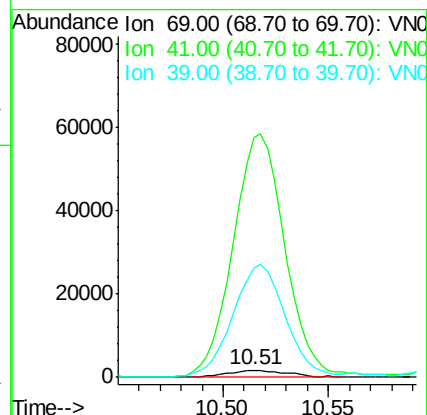
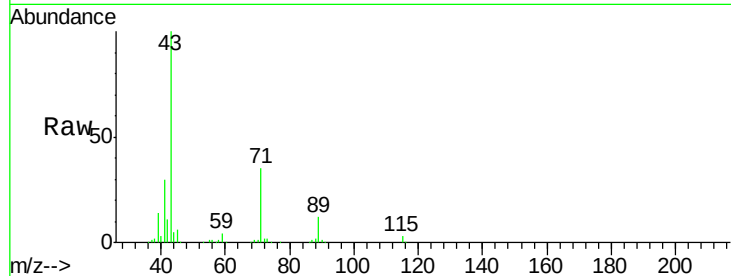
Tot Ion: 69 Resp: 3373

Ion Ratio Lower Upper

69 100

41 3001.2 59.3 88.9#

39 1379.0 35.4 53.0#



#57

1,3-Dichloropropane

Concen: 1.113 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN064536.D

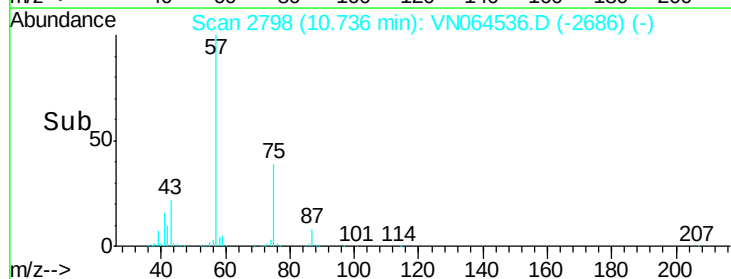
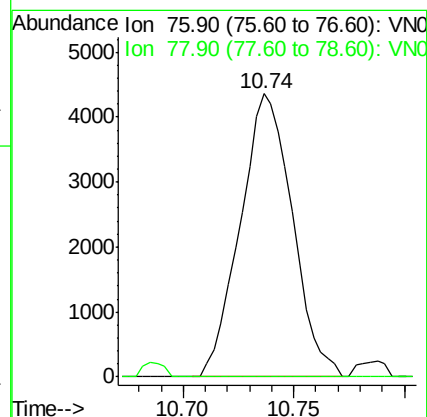
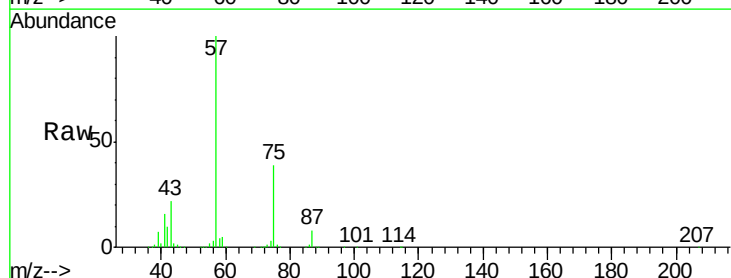
Acq: 10 Nov 2020 19:26

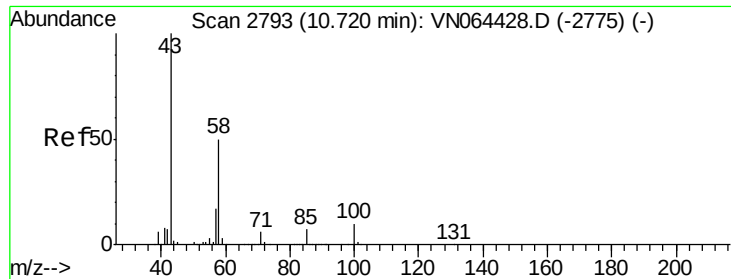
Tgt Ion: 76 Resp: 7137

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

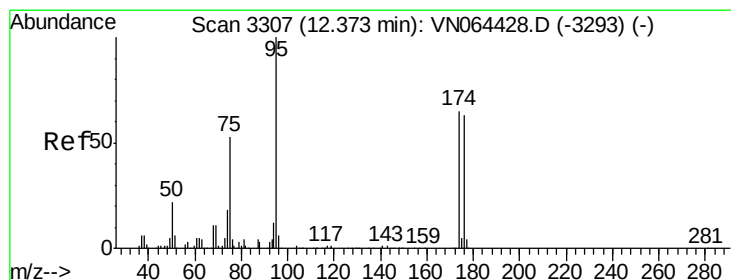
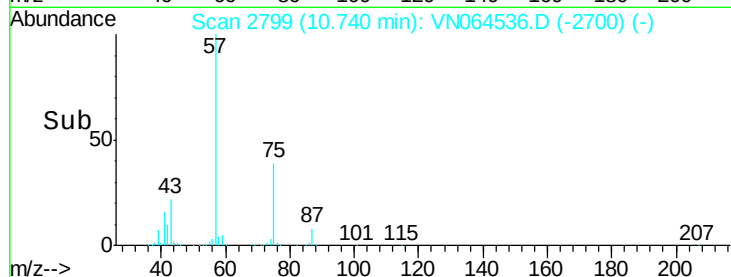
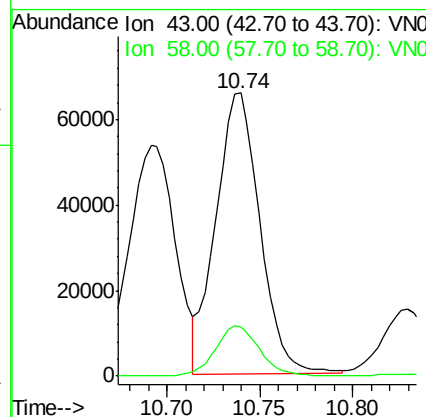
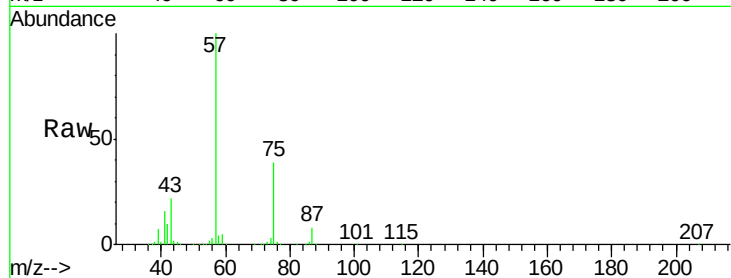




#59
2-Hexanone
Concen: 30.289 ug/l
RT: 10.74 min Scan# 2799
Delta R.T. 0.02 min
Lab File: VN064536.D
Acq: 10 Nov 2020 19:26

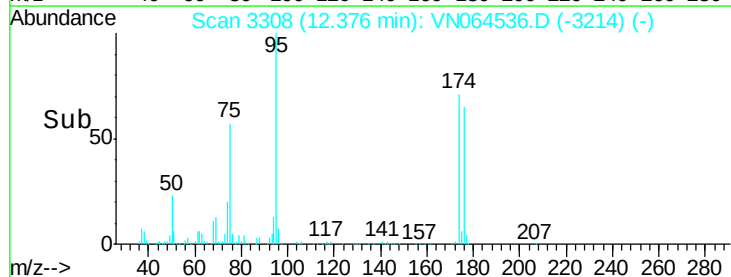
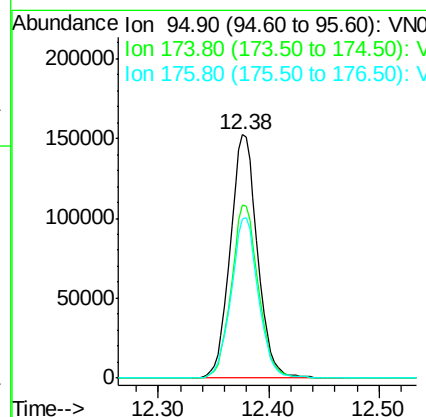
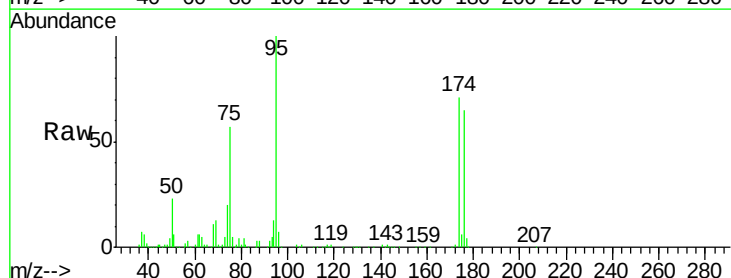
Instrument :
MSVOA_N
ClientSampleId :
PB132908ZHE#02

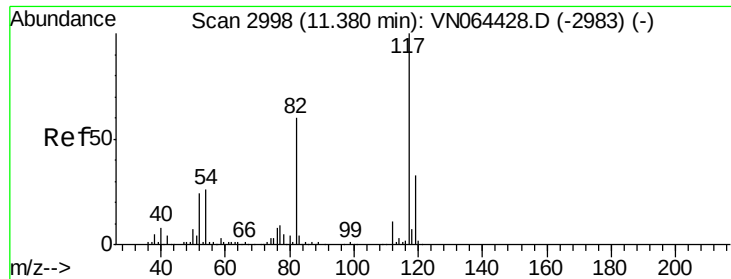
Tot Ion: 43 Resp: 108124
Ion Ratio Lower Upper
43 100
58 18.1 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 52.562 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064536.D
Acq: 10 Nov 2020 19:26

Tgt Ion: 95 Resp: 260279
Ion Ratio Lower Upper
95 100
174 70.8 0.0 132.6
176 65.6 0.0 129.2

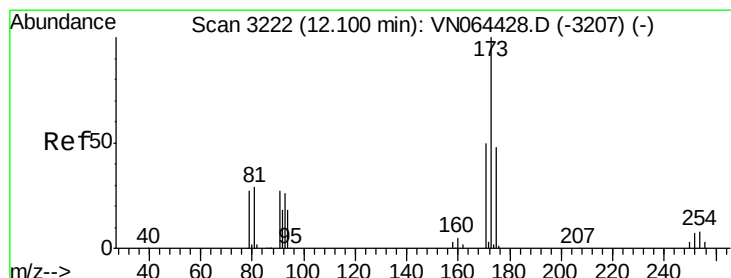
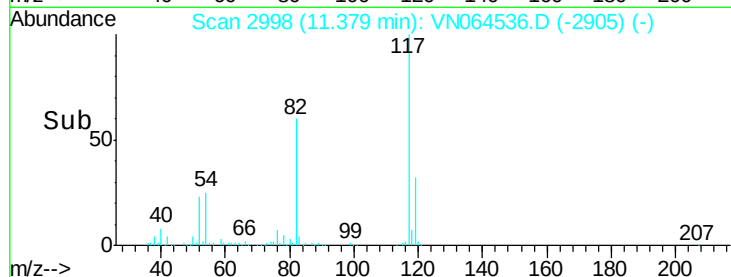
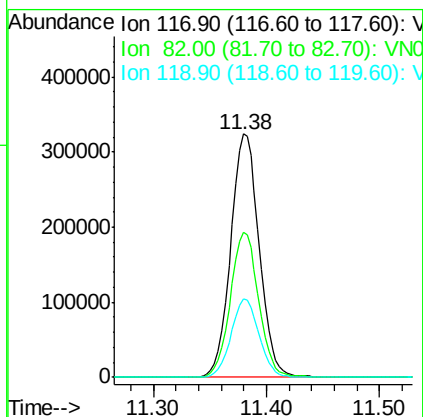
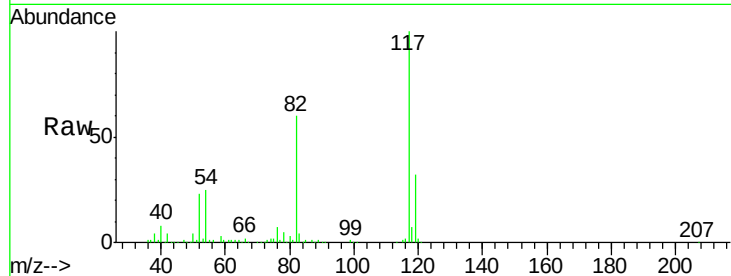




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064536.D
Acq: 10 Nov 2020 19:26

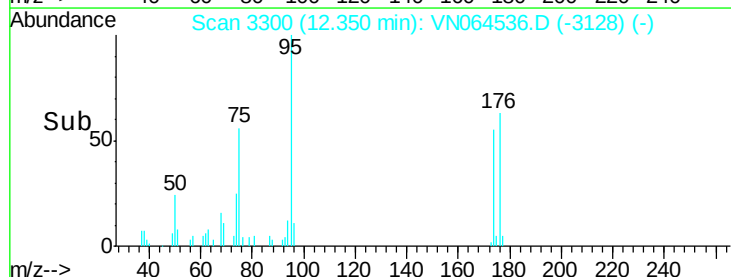
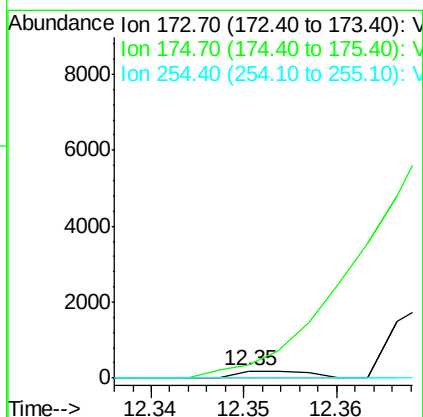
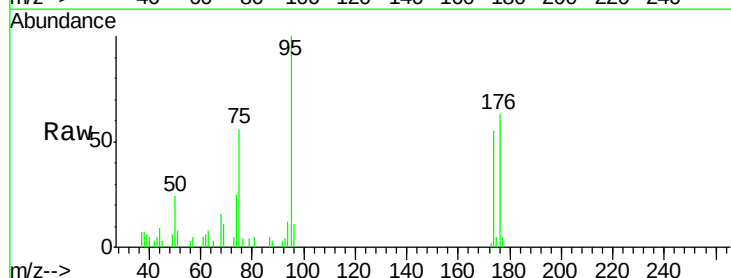
Instrument :
MSVOA_N
ClientSampleId :
PB132908ZHE#02

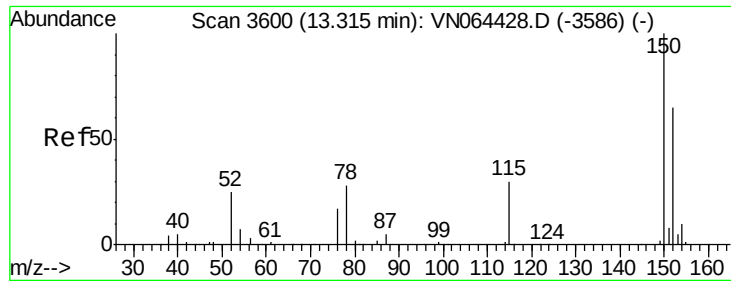
Tot Ion:117 Resp: 568459
Ion Ratio Lower Upper
117 100
82 59.7 48.1 72.1
119 32.0 26.2 39.4



#71
Bromoform
Concen: 1.303 ug/l
RT: 12.35 min Scan# 3300
Delta R.T. 0.25 min
Lab File: VN064536.D
Acq: 10 Nov 2020 19:26

Tgt Ion:173 Resp: 99
Ion Ratio Lower Upper
173 100
175 0.0 23.7 71.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064536.D

Acq: 10 Nov 2020 19:26

Instrument :

MSVOA_N

ClientSampleId :

PB132908ZHE#02

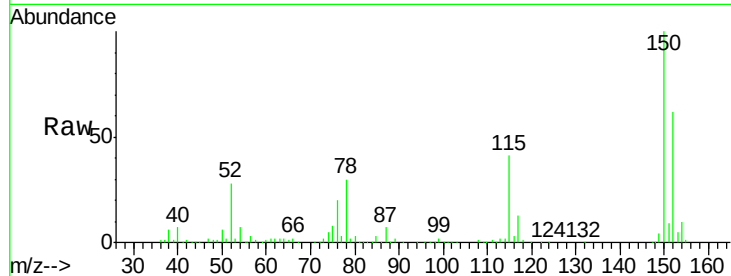
Tot Ion:152 Resp: 198522

Ion Ratio Lower Upper

152 100

115 65.0 32.0 96.0

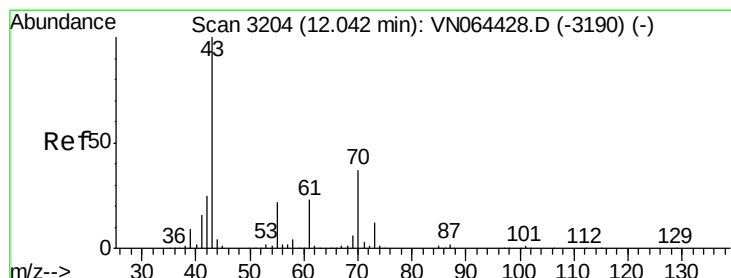
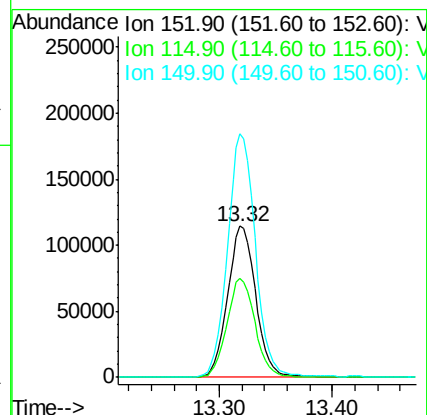
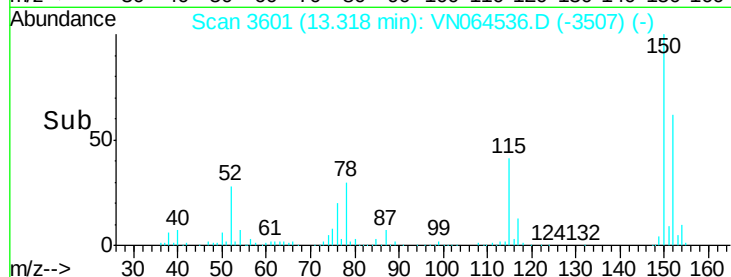
150 159.3 0.0 353.8



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: 1.662 ug/l

RT: 12.00 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN064536.D

Acq: 10 Nov 2020 19:26

Tgt Ion: 43 Resp: 3511

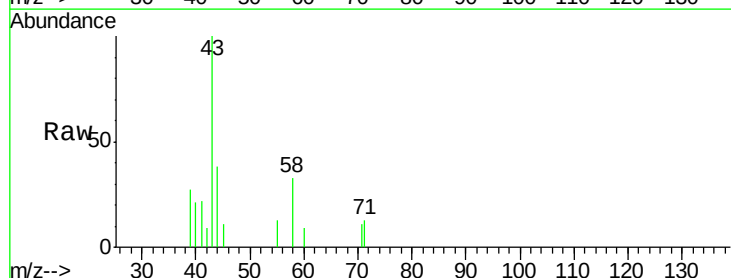
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 7.0 18.4 27.6#

61 0.0 17.8 26.6#

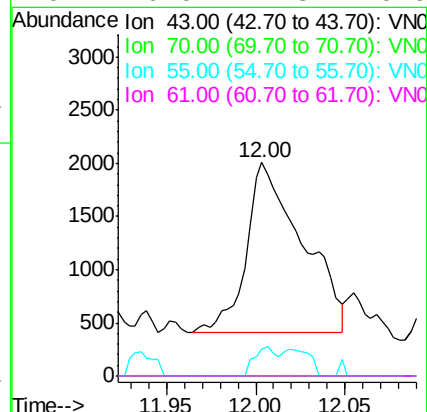
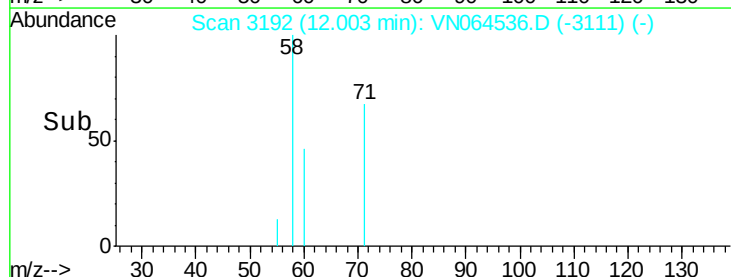


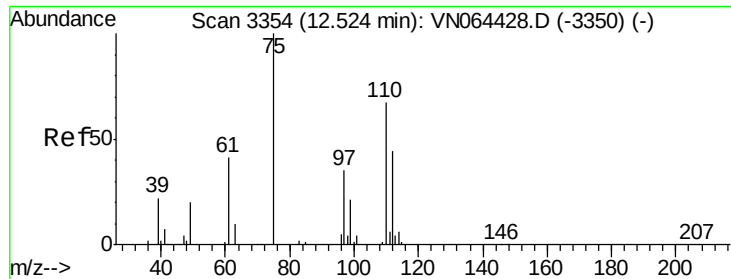
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

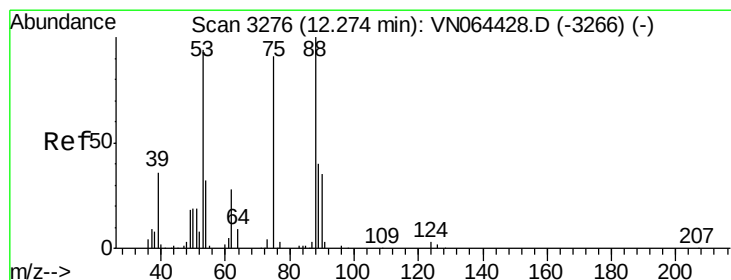
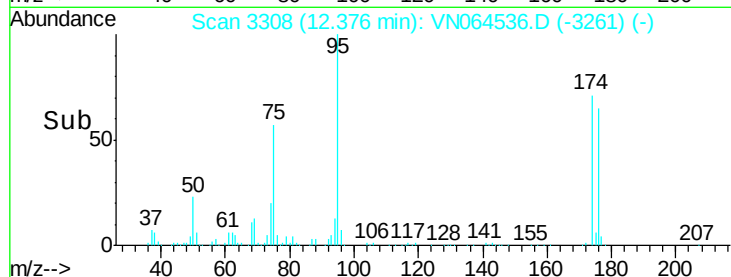
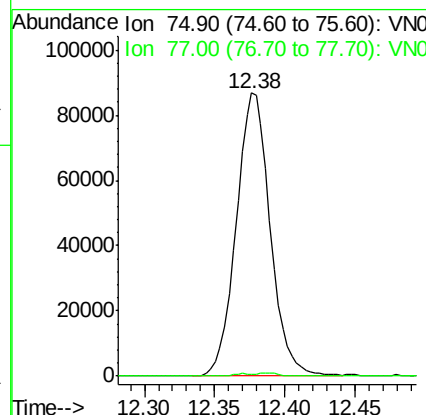
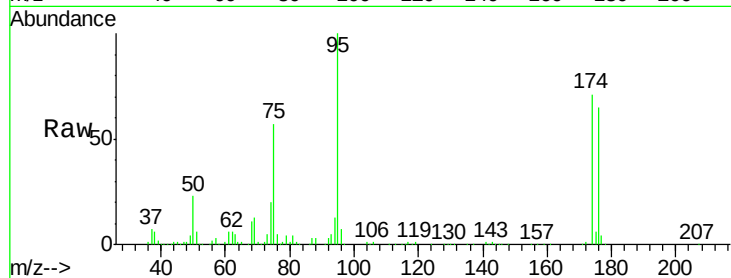




#76
 1,2,3-Trichloropropane
 Concen: 30.391 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064536.D
 Acq: 10 Nov 2020 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132908ZHE#02

Tot Ion: 75 Resp: 146179
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.854 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064536.D
 Acq: 10 Nov 2020 19:26

Tgt Ion: 75 Resp: 146179
 Ion Ratio Lower Upper
 75 100
 53 0.2 84.0 126.0#
 89 0.0 36.3 54.5#

