

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111720\
 Data File : VN064688.D
 Acq On : 17 Nov 2020 18:19
 Operator : JC/MD
 Sample : L4783-23
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Nov 18 01:47:49 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	7.62	168	227914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	459035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	472507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	170064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	215046	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
35) Dibromofluoromethane	7.55	113	157233	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	10.06	98	583759	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.38	95	223061	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	

Target Compounds

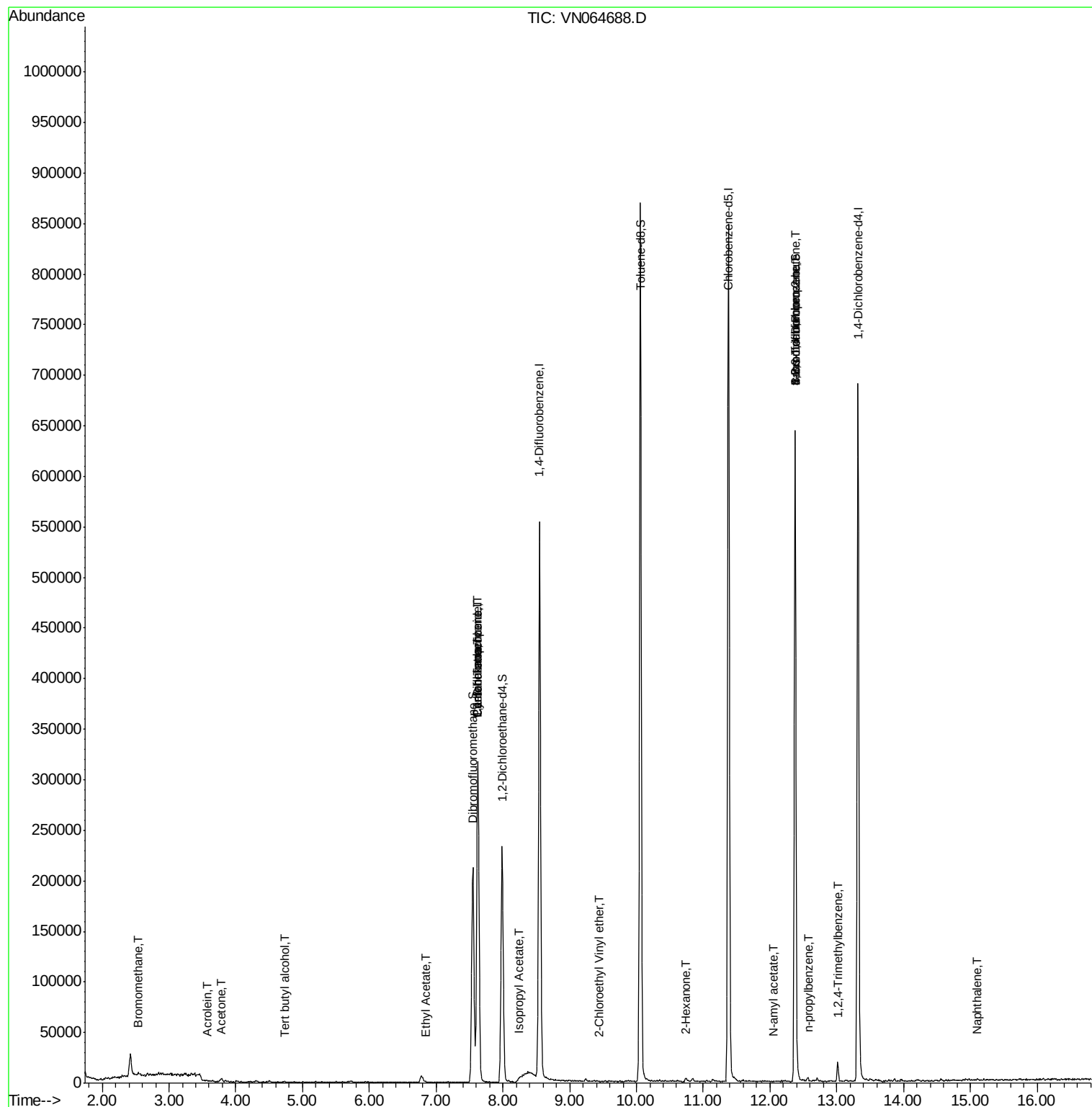
						Qvalue
5) Bromomethane	2.54	94	642	0.272	ug/l #	67
11) Tert butyl alcohol	4.72	59	304	0.694	ug/l #	71
13) Acrolein	3.58	56	63	0.232	ug/l #	15
16) Acetone	3.78	43	5348	3.537	ug/l	100
31) Cyclohexane	7.63	56	7394	1.532	ug/l #	49
36) 1,1-Dichloropropene	7.63	75	21718	4.479	ug/l #	51
37) Ethyl Acetate	6.84	43	90	0.780	ug/l #	71
38) Carbon Tetrachloride	7.63	117	25803	4.979	ug/l #	17
43) Isopropyl Acetate	8.23	43	2161	0.275	ug/l #	64
58) 2-Chloroethyl Vinyl ether	9.46	63	35	21.550	ug/l #	51
59) 2-Hexanone	10.73	43	390	4.131	ug/l #	28
71) Bromoform	12.38	173	346	1.391	ug/l #	1
74) N-amyl acetate	12.04	43	98	1.229	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	125803	30.531	ug/l #	100
78) n-propylbenzene	12.57	91	3576	0.232	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.38	75	125803	85.246	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.01	105	9588	0.855	ug/l	100
95) Naphthalene	15.11	128	1520	3.774	ug/l #	76

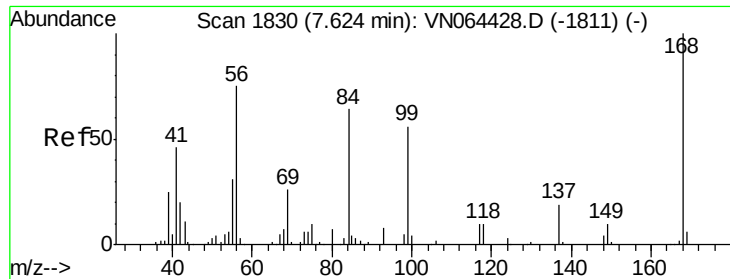
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 18 01:47:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064688.D

Acq: 17 Nov 2020 18:19

Instrument :

MSVOA_N

ClientSampled :

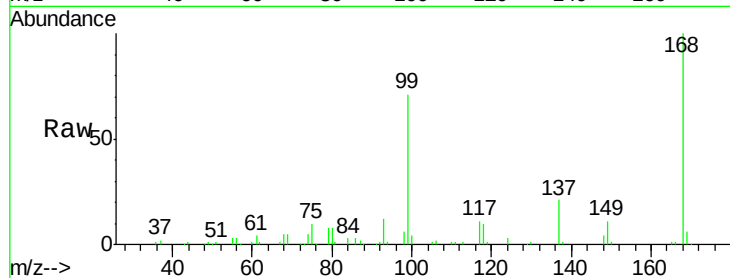
TRIP-BLANK

Tot Ion:168 Resp: 227914

Ion Ratio Lower Upper

168 100

99 71.0 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

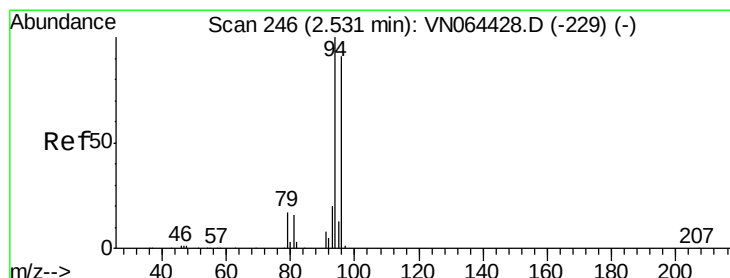
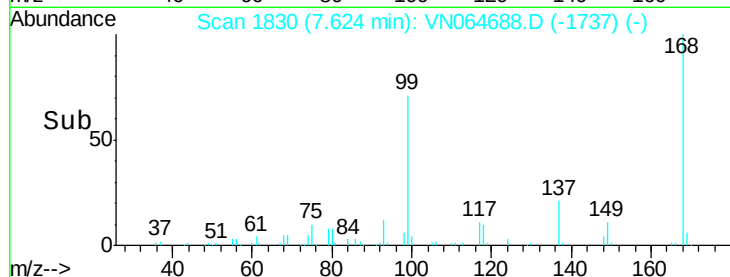
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.272 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064688.D

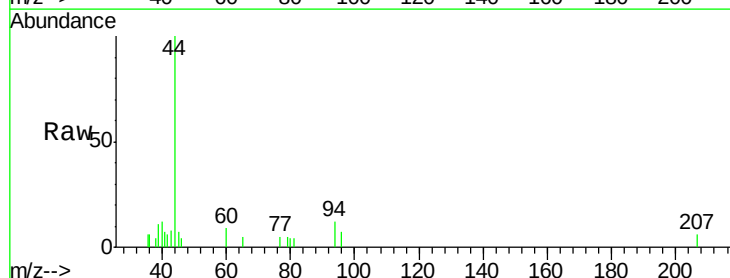
Acq: 17 Nov 2020 18:19

Tgt Ion: 94 Resp: 642

Ion Ratio Lower Upper

94 100

96 60.2 73.1 109.7#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.54

500

400

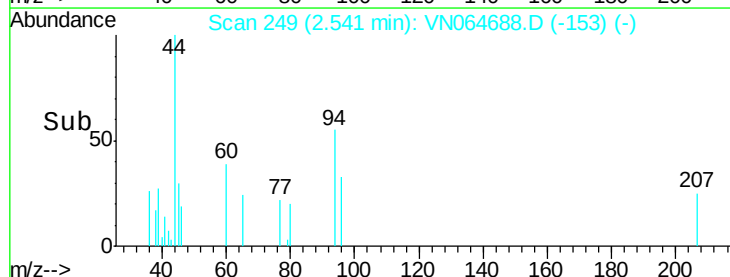
300

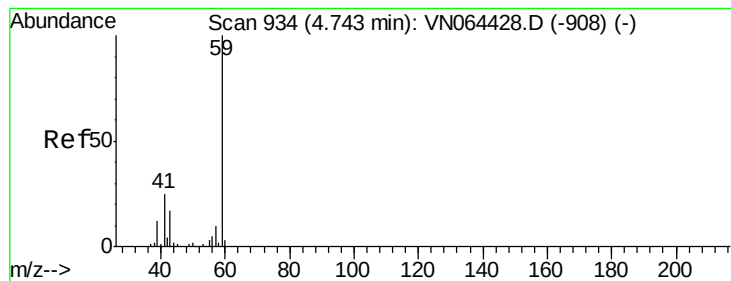
200

100

0

Time-->



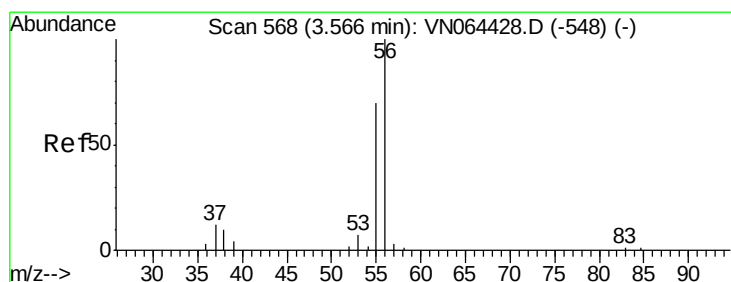
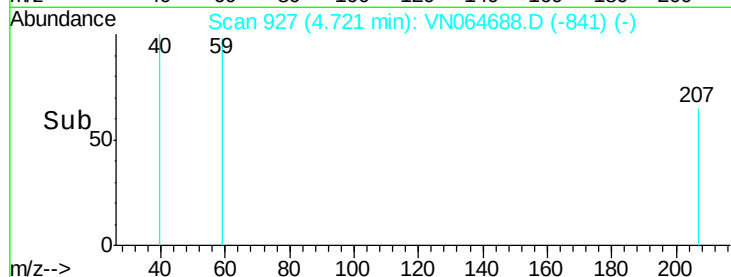
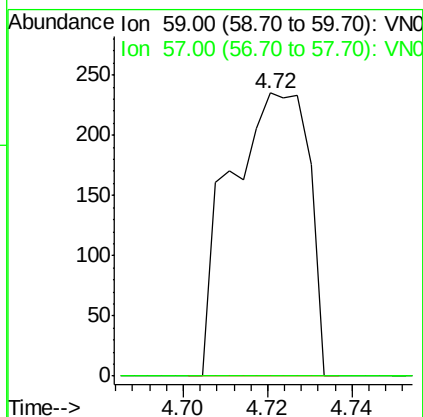
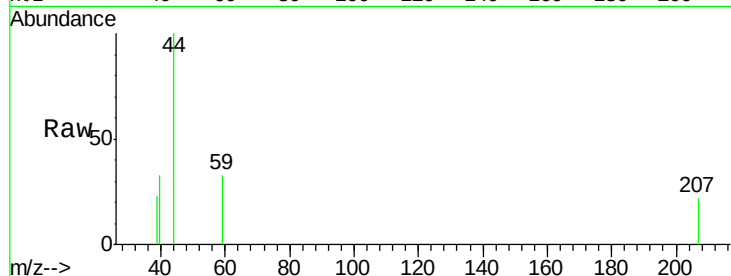


#11

Tert butyl alcohol
Concen: 0.694 ug/l
RT: 4.72 min Scan# 927
Delta R.T. -0.02 min
Lab File: VN064688.D
Acq: 17 Nov 2020 18:19

Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

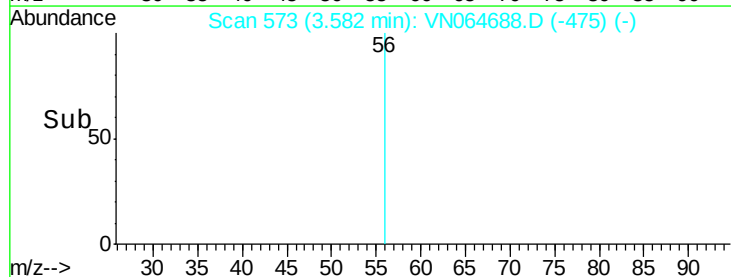
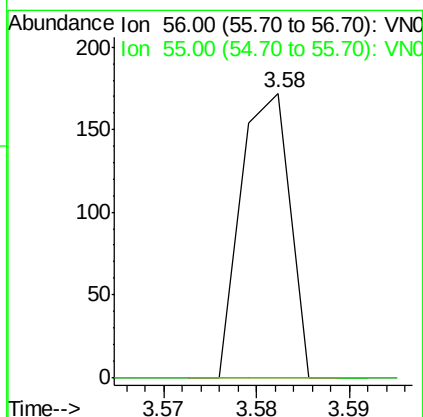
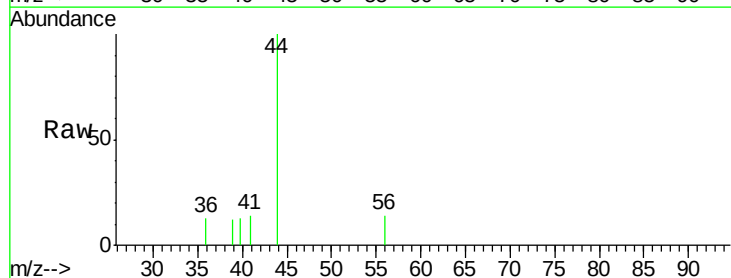
Tot Ion: 59 Resp: 304
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

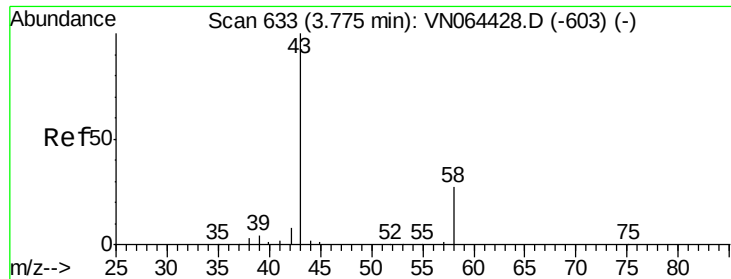


#13

Acrolein
Concen: 0.232 ug/l
RT: 3.58 min Scan# 573
Delta R.T. 0.02 min
Lab File: VN064688.D
Acq: 17 Nov 2020 18:19

Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 55.9 83.9#

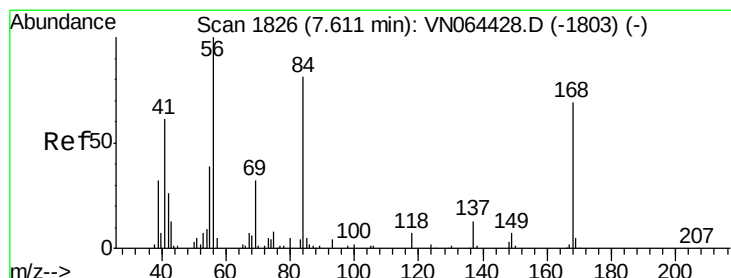
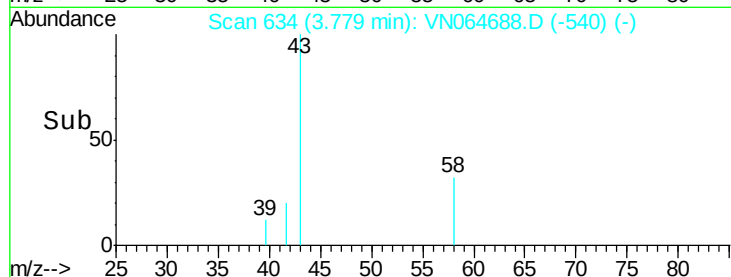
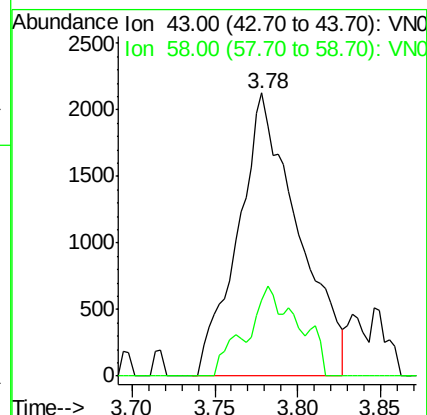
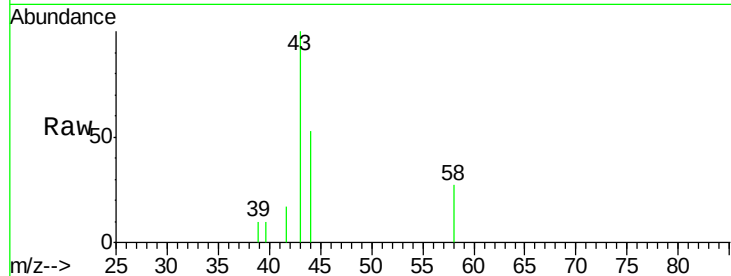




#16
Acetone
Concen: 3.537 ug/l
RT: 3.78 min Scan# 634
Delta R.T. 0.00 min
Lab File: VN064688.D
Acq: 17 Nov 2020 18:19

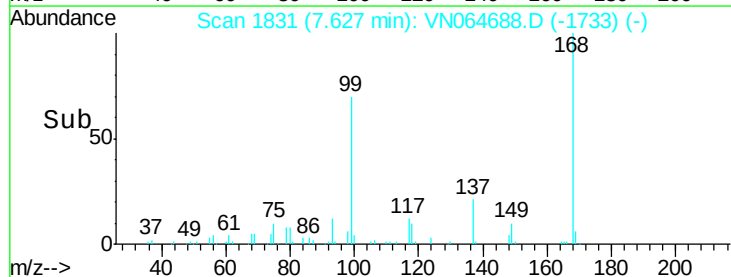
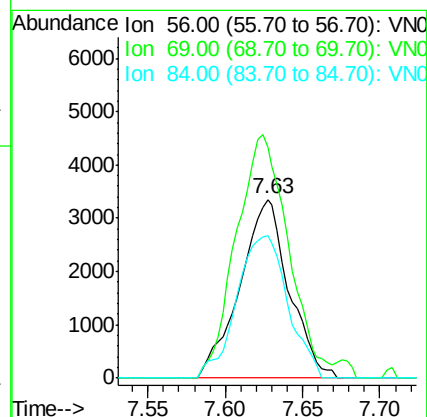
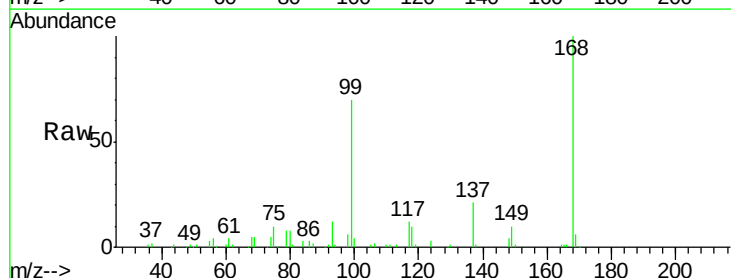
Instrument :
MSVOA_N
ClientSampleId :
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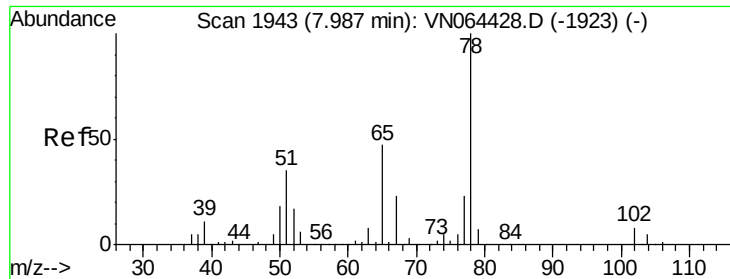
Tot Ion: 43 Resp: 5348
Ion Ratio Lower Upper
43 100
58 27.0 21.4 32.0



#31
Cyclohexane
Concen: 1.532 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN064688.D
Acq: 17 Nov 2020 18:19

Tgt Ion: 56 Resp: 7394
Ion Ratio Lower Upper
56 100
69 128.9 25.6 38.4#
84 79.4 63.0 94.6

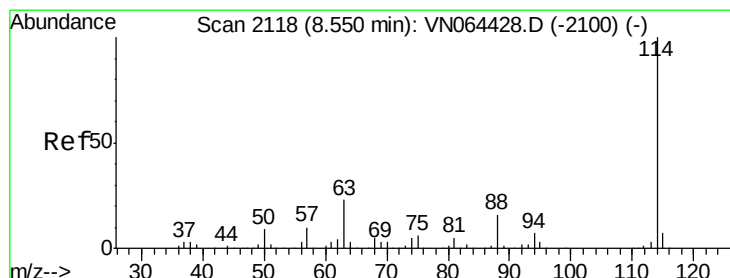
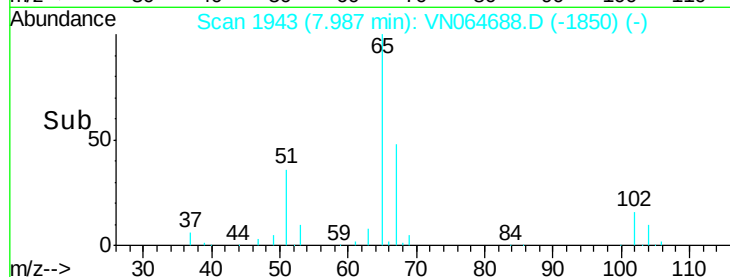
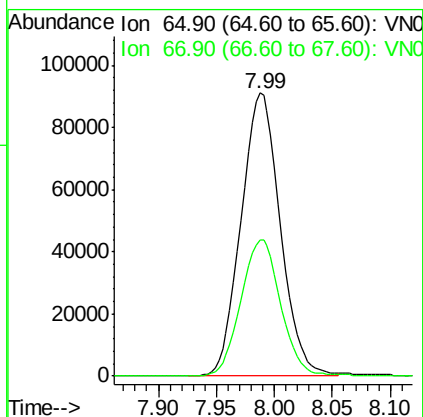
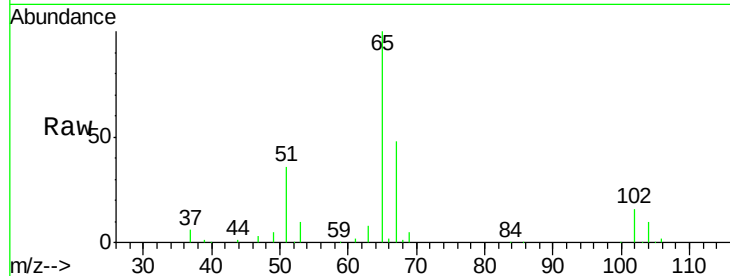




#33
 1,2-Dichloroethane-d4
 Concen: 54.169 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064688.D
 Acq: 17 Nov 2020 18:19

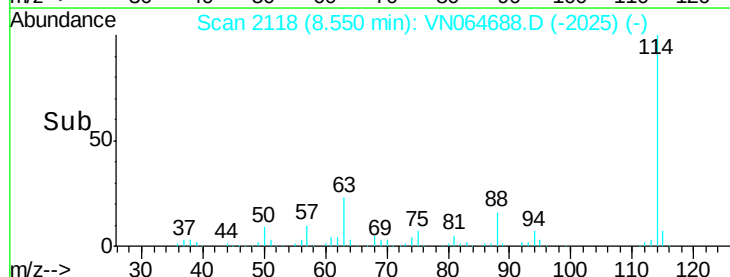
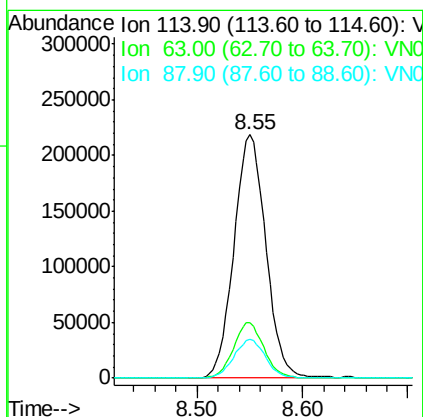
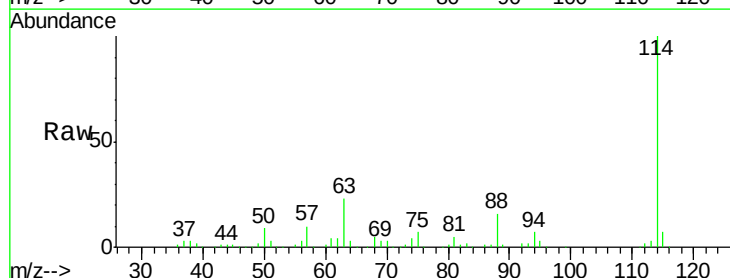
Instrument :
 MSVOA_N
 ClientSampleId :
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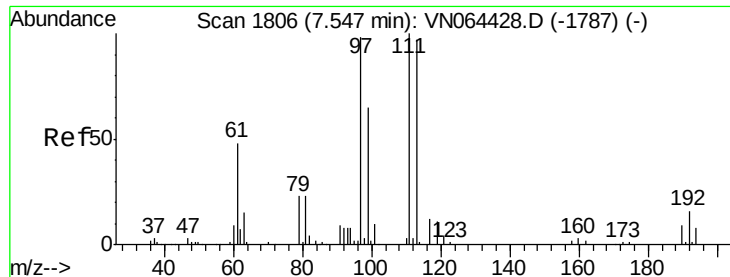
Tot Ion: 65 Resp: 215046
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064688.D
 Acq: 17 Nov 2020 18:19

Tgt Ion: 114 Resp: 459035
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.6
 88 15.9 0.0 32.8

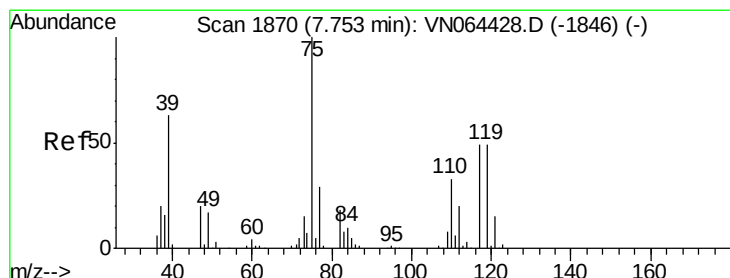
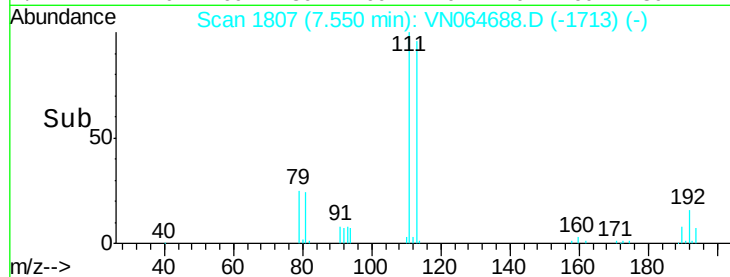
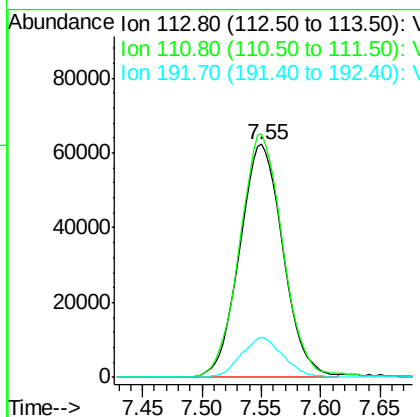
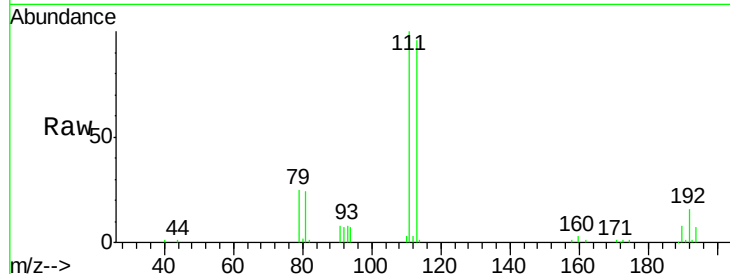




#35
 Dibromofluoromethane
 Concen: 50.308 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064688.D
 Acq: 17 Nov 2020 18:19

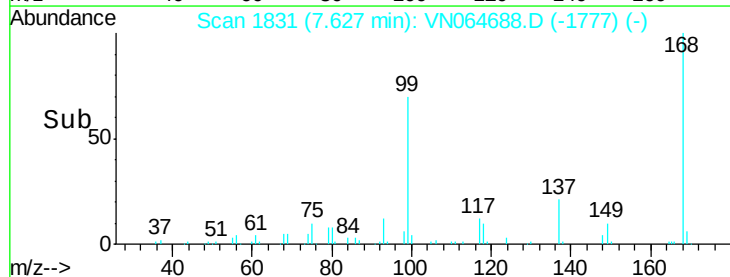
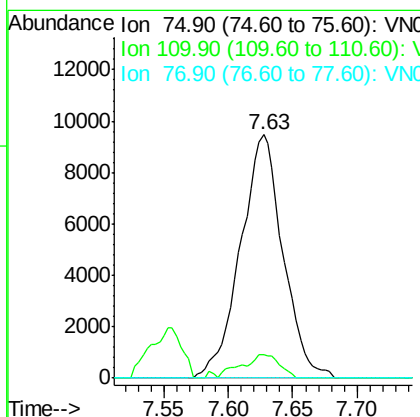
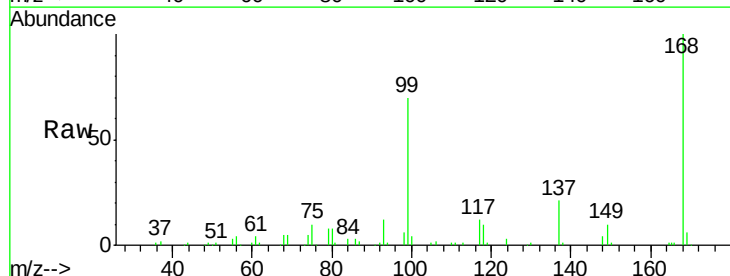
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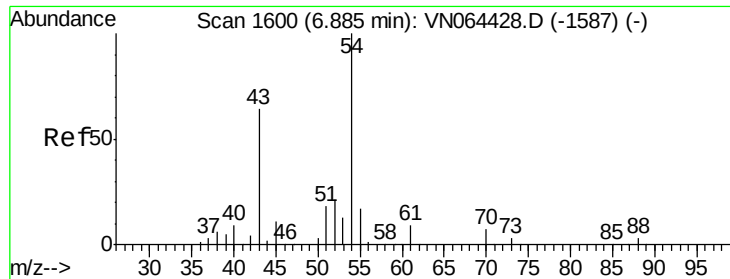
Tot Ion:113 Resp: 157233
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.1 121.7
 192 16.6 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.479 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064688.D
 Acq: 17 Nov 2020 18:19

Tgt Ion: 75 Resp: 21718
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.0 48.0#
 77 0.0 24.0 36.0#

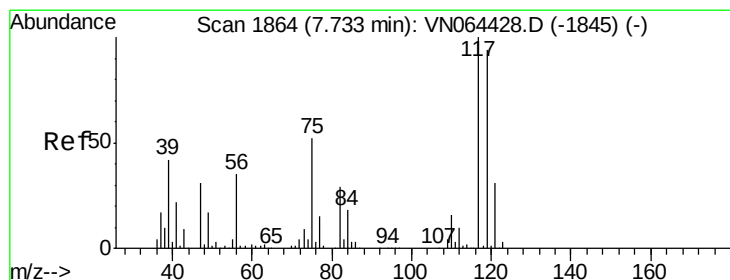
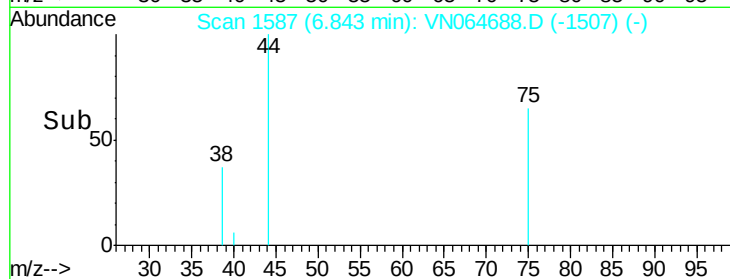
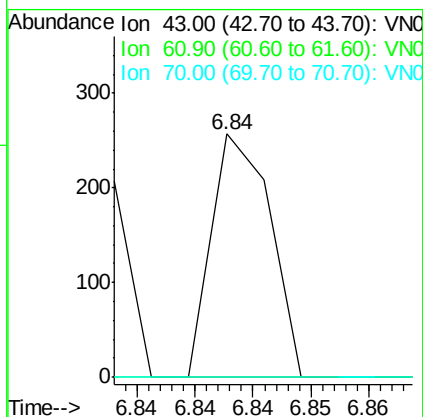
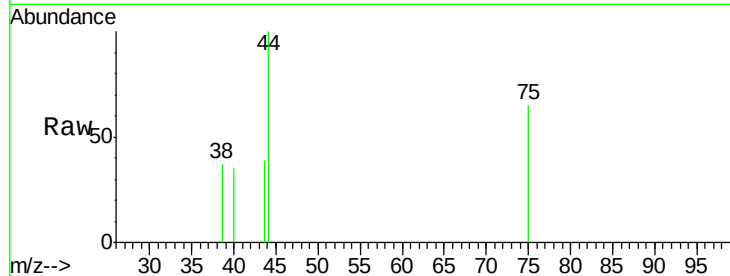




#37
Ethyl Acetate
Concen: 0.780 ug/l
RT: 6.84 min Scan# 1587
Delta R.T. -0.04 min
Lab File: VN064688.D
Acq: 17 Nov 2020 18:19

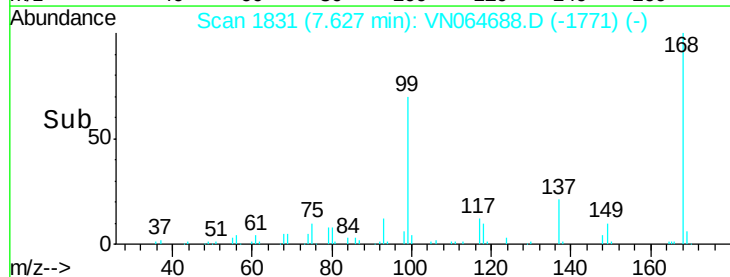
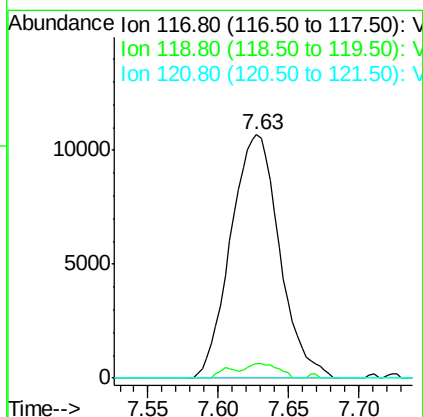
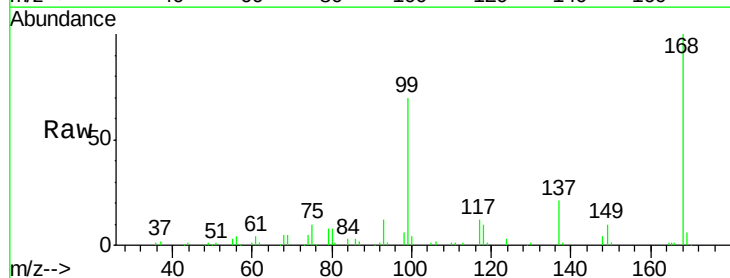
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ClientSampleId :
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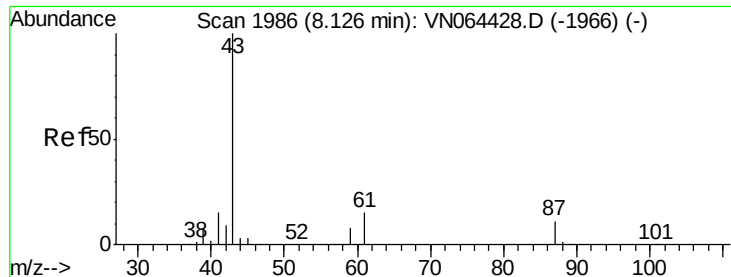
Tot Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.979 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064688.D
Acq: 17 Nov 2020 18:19

Tgt Ion: 117 Resp: 25803
Ion Ratio Lower Upper
117 100
119 6.1 75.5 113.3#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 0.275 ug/l

RT: 8.23 min Scan# 2018

Delta R.T. 0.10 min

Lab File: VN064688.D

Acq: 17 Nov 2020 18:19

Instrument :

MSVOA_N

ClientSampleId :

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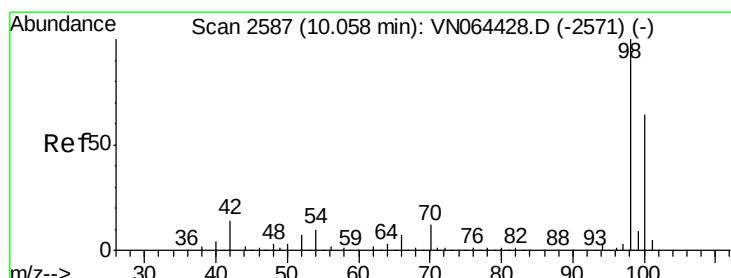
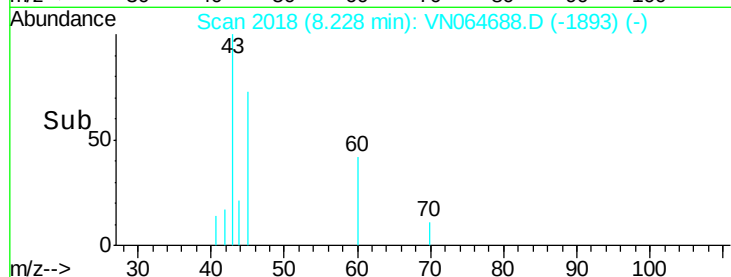
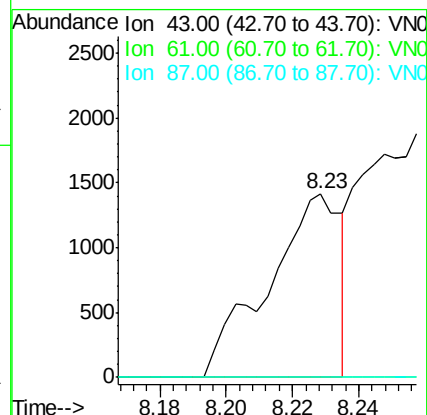
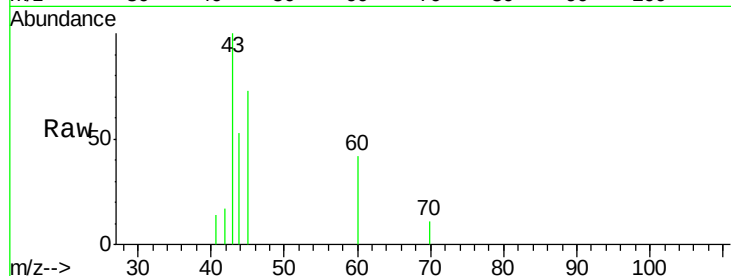
Tot Ion: 43 Resp: 2161

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

87 0.0 9.1 13.7#



#50

Toluene-d8

Concen: 48.326 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064688.D

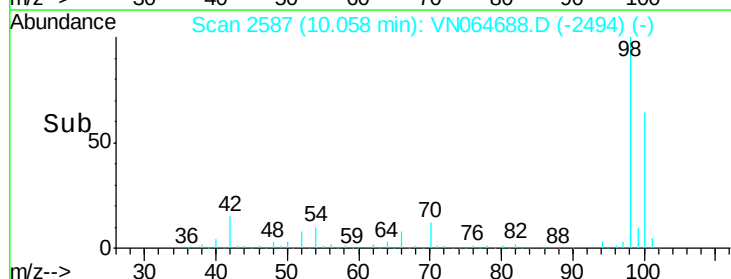
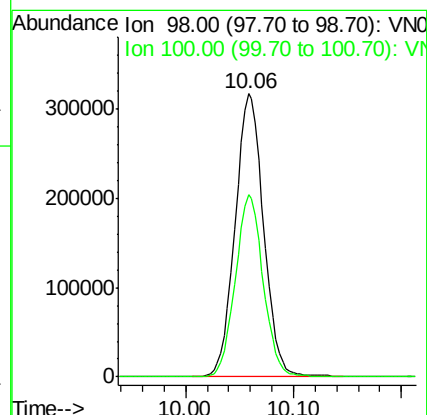
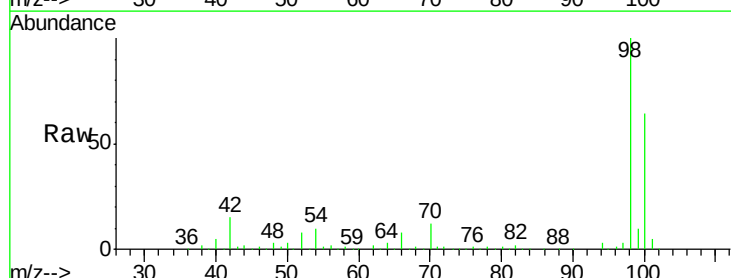
Acq: 17 Nov 2020 18:19

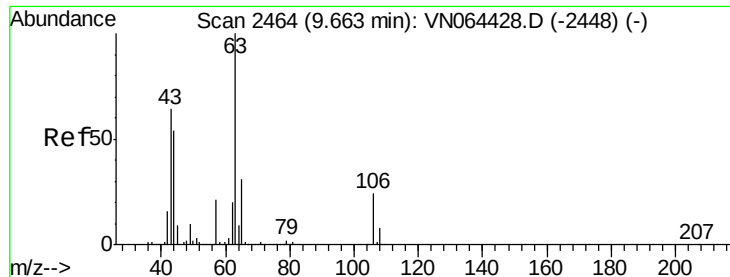
Tgt Ion: 98 Resp: 583759

Ion Ratio Lower Upper

98 100

100 63.0 50.7 76.1

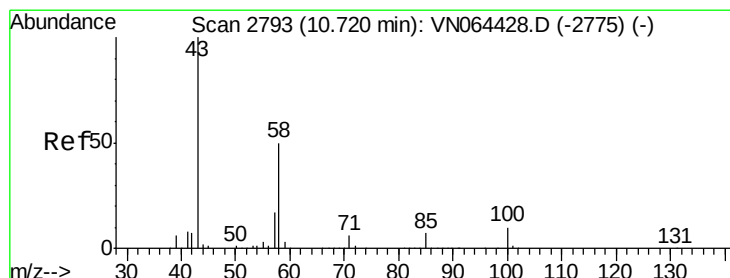
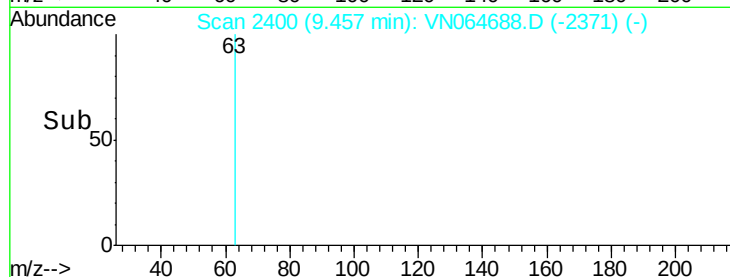
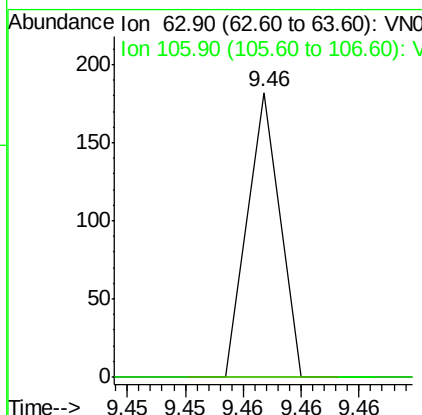
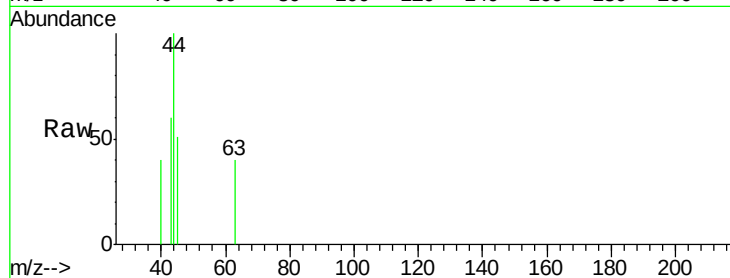




#58
 2-Chloroethyl Vinyl ether
 Concen: 21.550 ug/l
 RT: 9.46 min Scan# 2400
 Delta R.T. -0.21 min
 Lab File: VN064688.D
 Acq: 17 Nov 2020 18:19

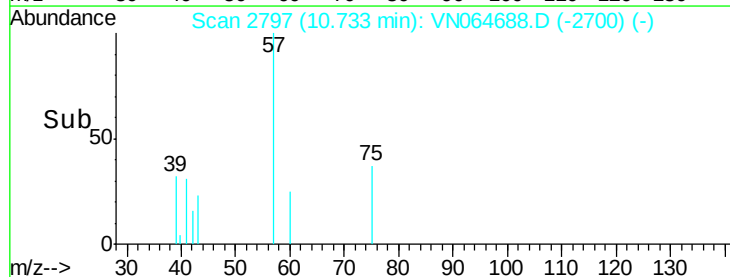
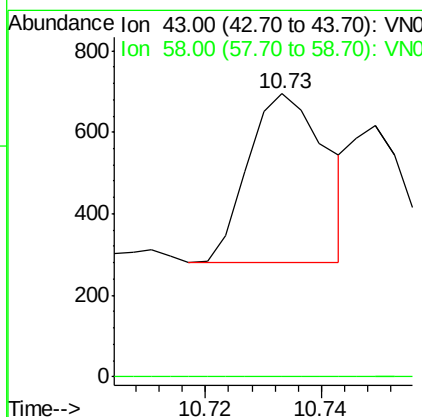
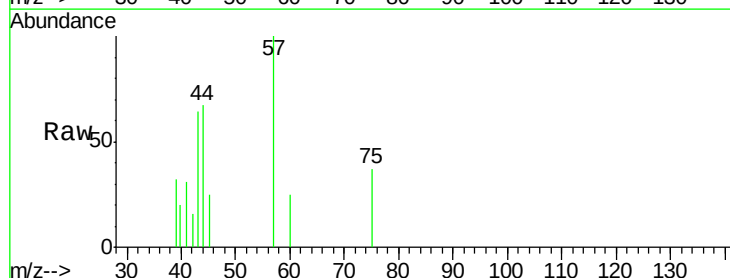
Instrument :
 MSVOA_N
 ClientSampleId :
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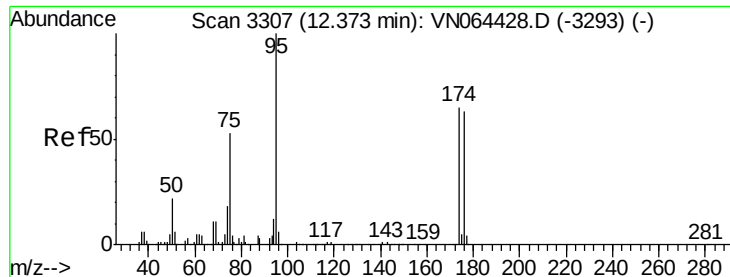
Tot Ion: 63 Resp: 35
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.5 29.3#



#59
 2-Hexanone
 Concen: 4.131 ug/l
 RT: 10.73 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN064688.D
 Acq: 17 Nov 2020 18:19

Tgt Ion: 43 Resp: 390
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.7 74.1#

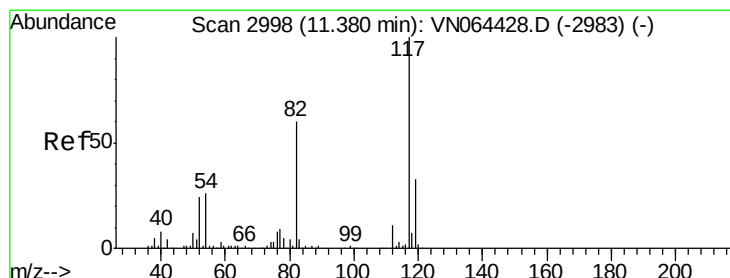
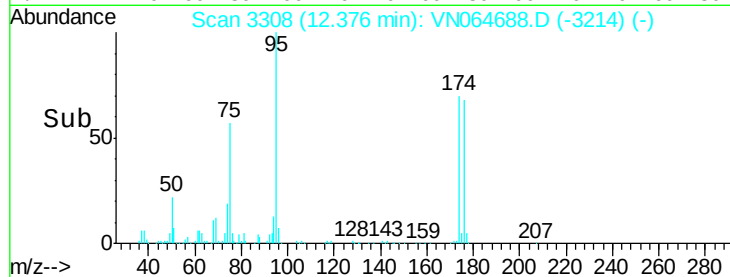
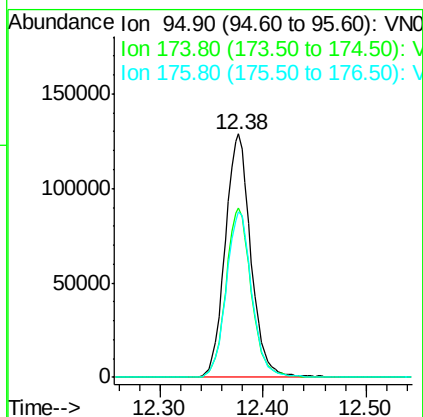
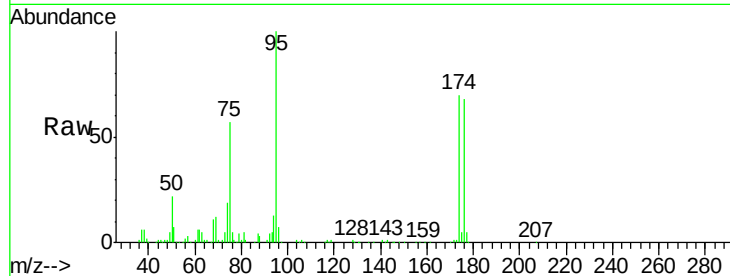




#62
4-Bromofluorobenzene
Concen: 48.827 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064688.D
Acq: 17 Nov 2020 18:19

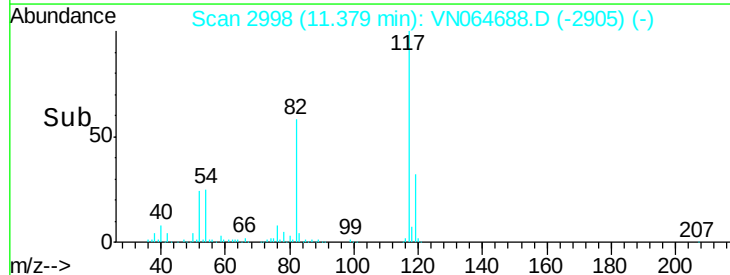
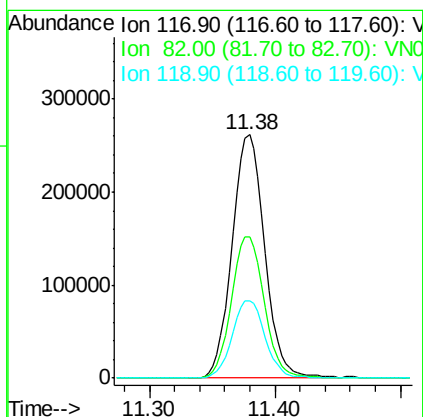
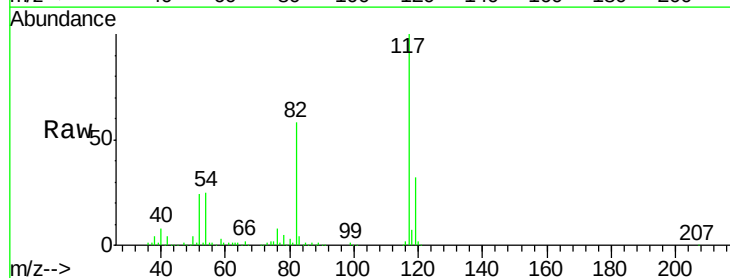
Instrument :
MSVOA_N
ClientSampleId :
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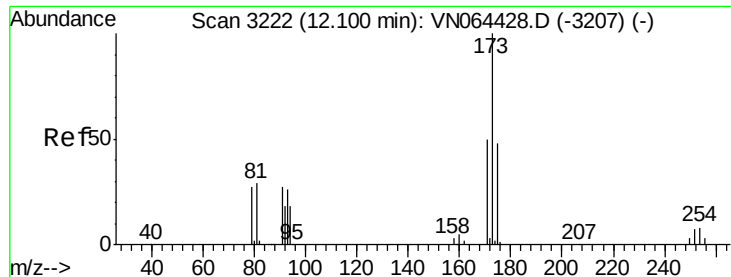
Tot Ion: 95 Resp: 223061
Ion Ratio Lower Upper
95 100
174 68.9 0.0 132.6
176 68.1 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064688.D
Acq: 17 Nov 2020 18:19

Tgt Ion: 117 Resp: 472507
Ion Ratio Lower Upper
117 100
82 57.8 48.1 72.1
119 31.9 26.2 39.4





#71

Bromoform

Concen: 1.391 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN064688.D

Acq: 17 Nov 2020 18:19

Instrument :

MSVOA_N

ClientSampleId :

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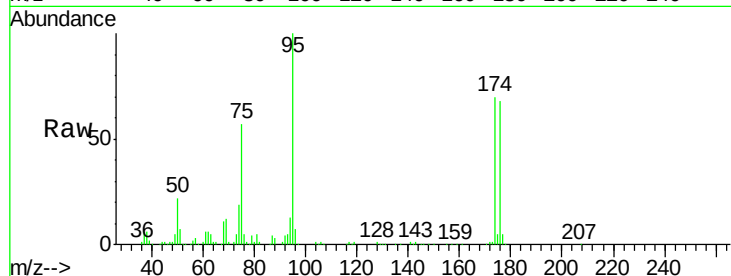
Tot Ion:173 Resp: 346

Ion Ratio Lower Upper

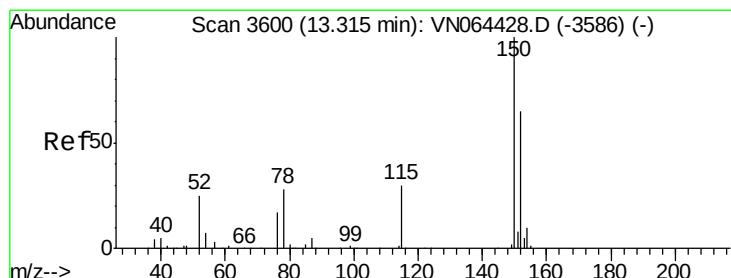
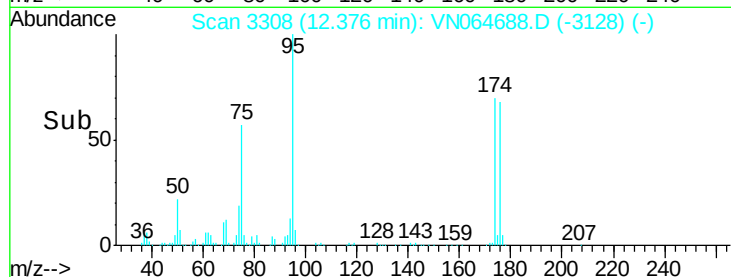
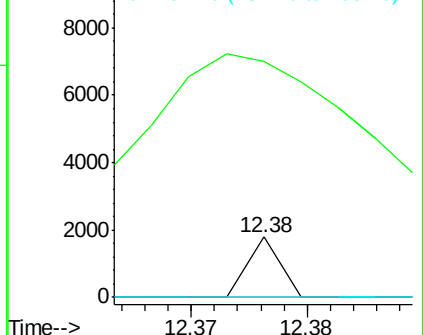
173 100

175 2943.1 23.7 71.1#

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VN064688.D

Acq: 17 Nov 2020 18:19

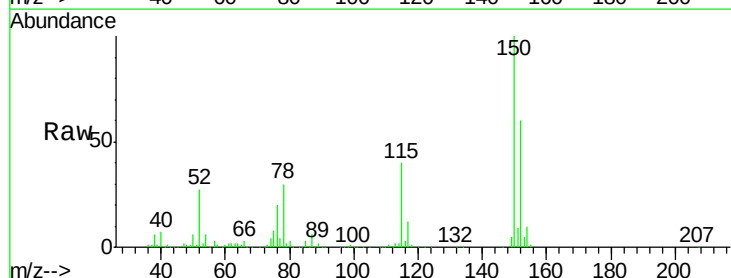
Tgt Ion:152 Resp: 170064

Ion Ratio Lower Upper

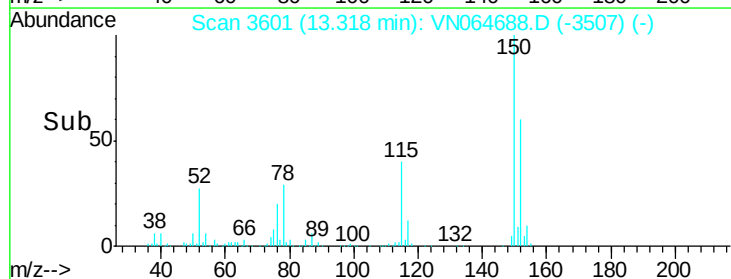
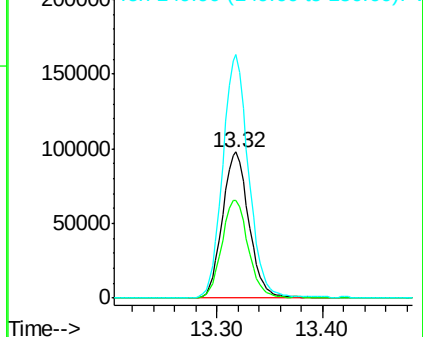
152 100

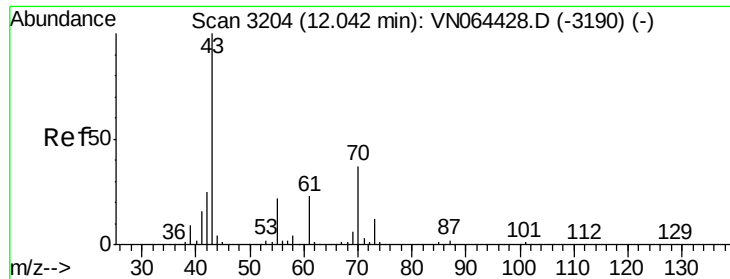
115 66.4 32.0 96.0

150 163.6 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-amvl acetate

Concen: 1.229 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064688.D

Acq: 17 Nov 2020 18:19

Instrument :

MSVOA_N

ClientSampled :

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Tot Ion: 43 Resp: 98

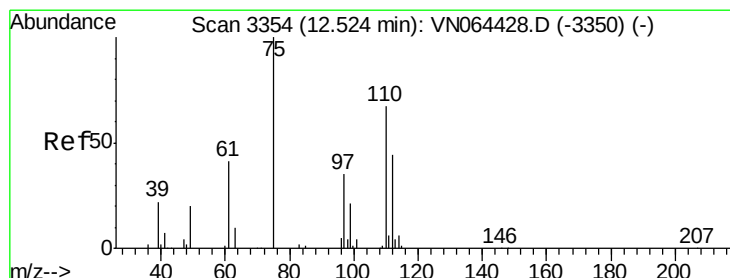
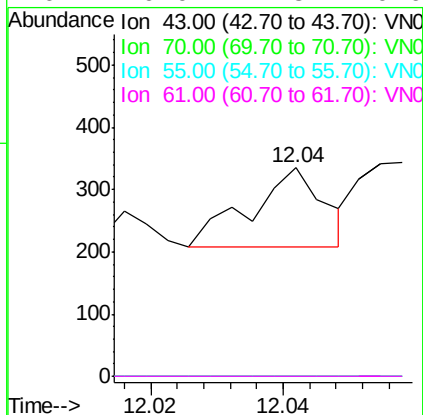
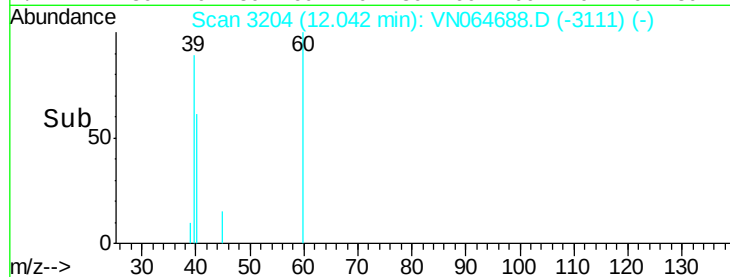
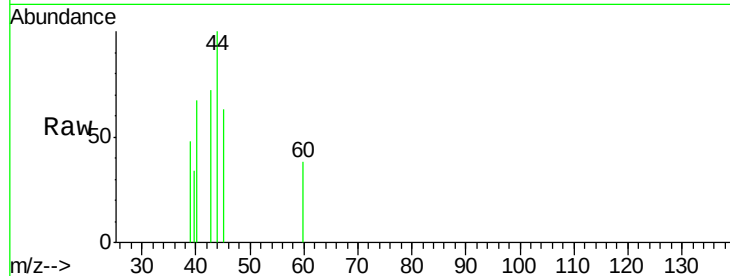
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#



#76

1,2,3-Trichloropropane

Concen: 30.531 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064688.D

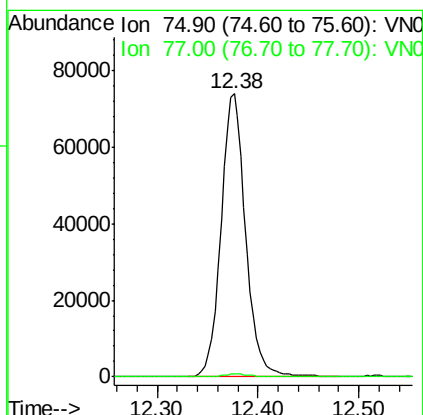
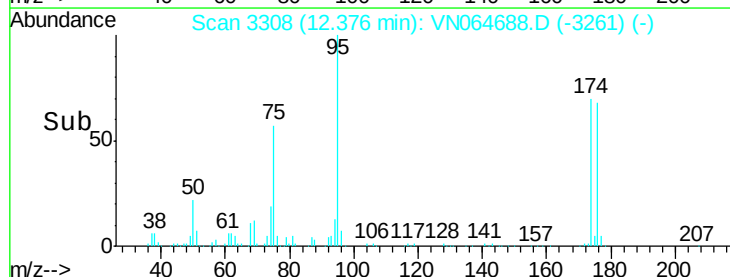
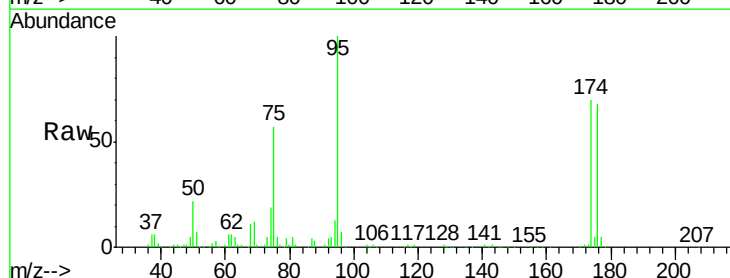
Acq: 17 Nov 2020 18:19

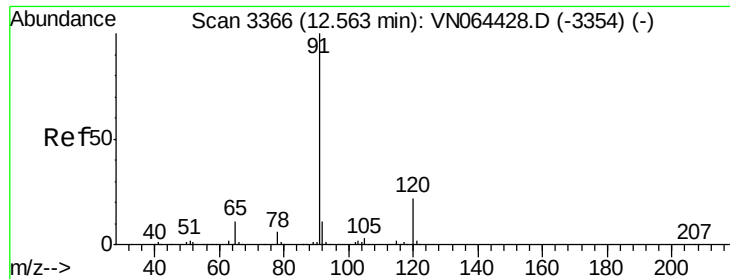
Tgt Ion: 75 Resp: 125803

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#78

n-propylbenzene

Concen: 0.232 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064688.D

Acq: 17 Nov 2020 18:19

Instrument :

MSVOA_N

ClientSampled :

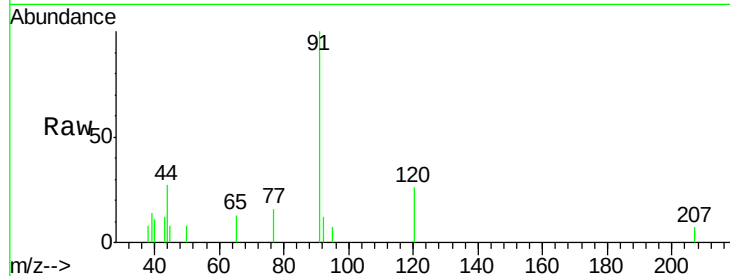
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Tot Ion: 91 Resp: 3576

Ion Ratio Lower Upper

91 100

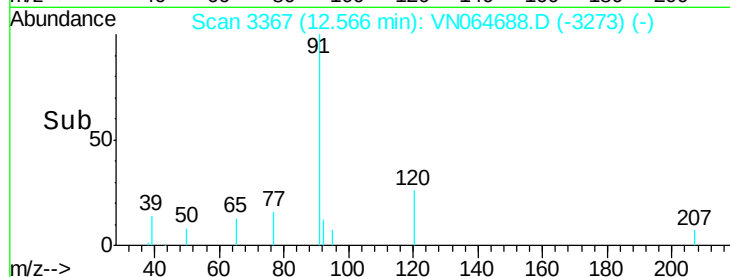
120 16.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3354) (-)

Ion 120.00 (119.70 to 120.70): VN064428.D (-3354) (-)

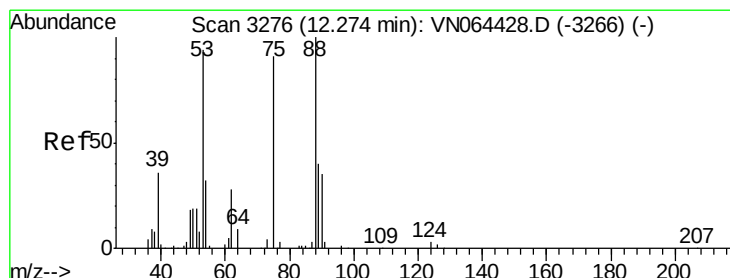
Time--> 12.50 12.55 12.60



Abundance Ion 91.00 (90.70 to 91.70): VN064688.D (-3273) (-)

Ion 120.00 (119.70 to 120.70): VN064688.D (-3273) (-)

Time--> 12.50 12.55 12.60



#81

trans-1,4-Dichloro-2-butene

Concen: 85.246 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064688.D

Acq: 17 Nov 2020 18:19

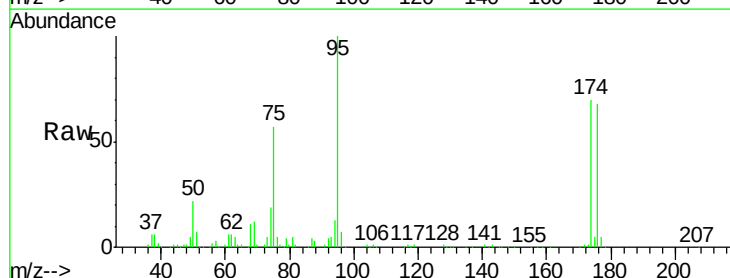
Tgt Ion: 75 Resp: 125803

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

89 0.0 36.3 54.5#

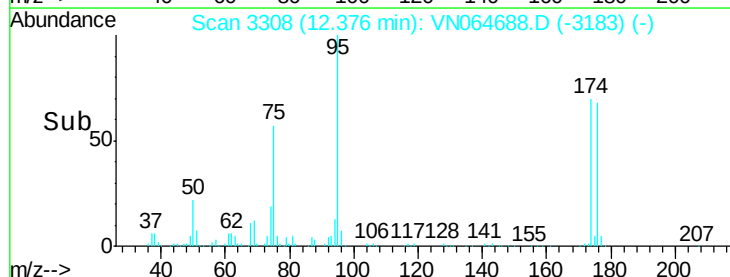


Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064428.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064428.D (-3266) (-)

Time--> 12.30 12.40 12.50

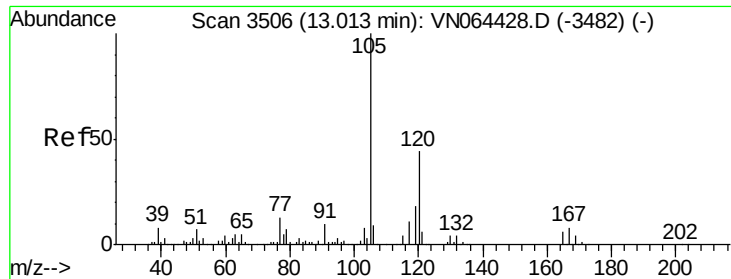


Abundance Ion 74.90 (74.60 to 75.60): VN064688.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN064688.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN064688.D (-3183) (-)

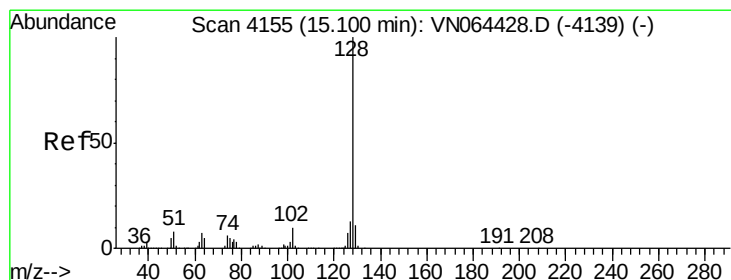
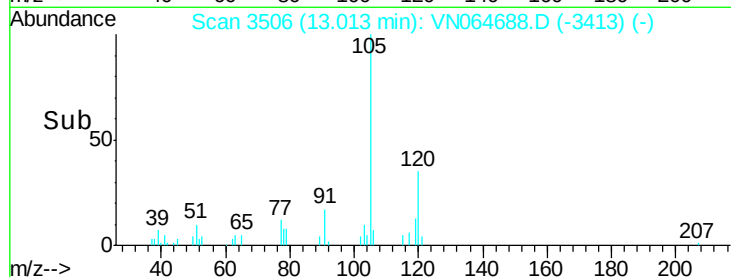
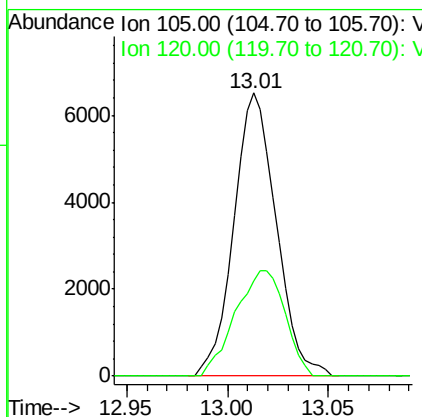
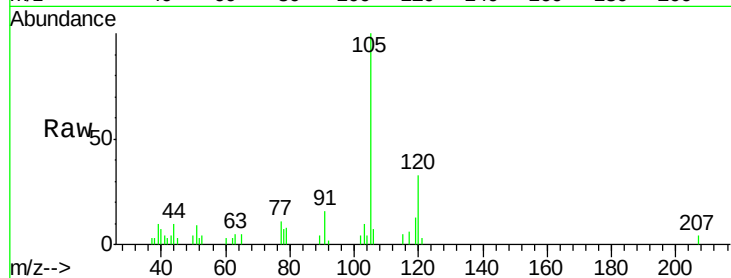
Time--> 12.30 12.40 12.50



#84
1,2,4-Trimethylbenzene
Concen: 0.855 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064688.D
Acq: 17 Nov 2020 18:19

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion:105 Resp: 9588
Ion Ratio Lower Upper
105 100
120 43.6 21.9 65.7



#95
Naphthalene
Concen: 3.774 ug/l
RT: 15.11 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN064688.D
Acq: 17 Nov 2020 18:19

Tgt Ion:128 Resp: 1520
Ion Ratio Lower Upper
128 100
127 4.9 10.5 15.7#
129 0.0 8.8 13.2#

