

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
 Data File : VN064374.D
 Acq On : 29 Oct 2020 15:21
 Operator : JC/MD
 Sample : L4215-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AU-05-102820

Quant Time: Oct 30 05:32:21 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	7.63	168	232380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	409168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	400016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	170189	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	183547	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
35) Dibromofluoromethane	7.55	113	132265	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	10.06	98	496087	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.38	95	214015	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	

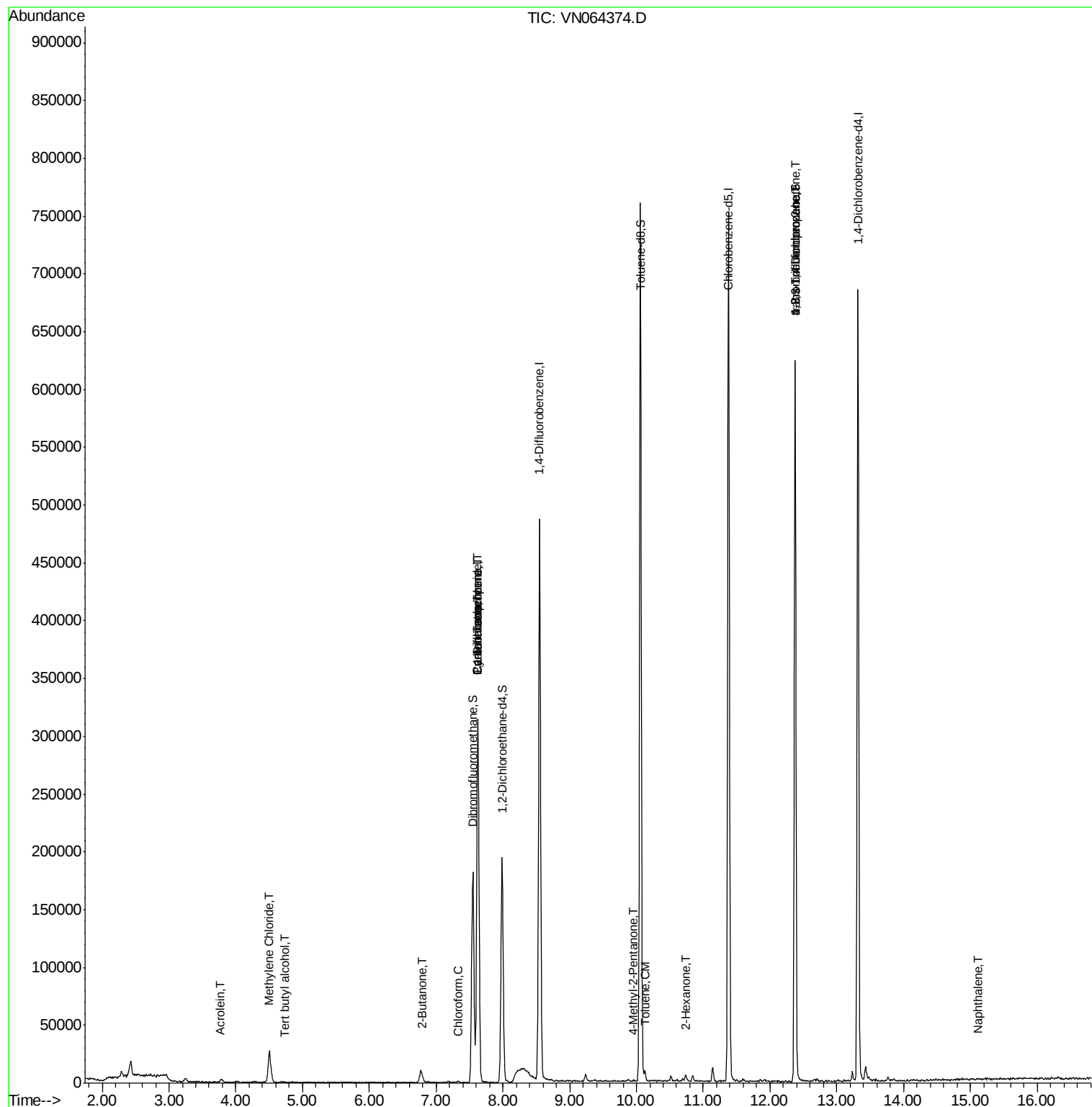
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	134	0.247	ug/l #	70
13) Acrolein	3.76	56	63	18.177	ug/l #	10
16) Acetone	3.78	43	4204	Below Cal		99
20) Methylene Chloride	4.51	84	18700	7.061	ug/l #	88
25) 2-Butanone	6.79	43	454	0.242	ug/l #	52
30) Chloroform	7.33	83	1184	0.224	ug/l #	53
31) Cyclohexane	7.63	56	5779	1.333	ug/l #	50
36) 1,1-Dichloropropene	7.62	75	19579	4.741	ug/l #	54
38) Carbon Tetrachloride	7.63	117	26537	5.543	ug/l #	18
51) 4-Methyl-2-Pentanone	9.95	43	1612	0.389	ug/l #	39
52) Toluene	10.13	92	2774	0.382	ug/l	93
59) 2-Hexanone	10.74	43	804	0.263	ug/l #	33
76) 1,2,3-Trichloropropane	12.38	75	122437	30.042	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	122437	86.536	ug/l #	8
95) Naphthalene	15.11	128	1515	2.542	ug/l #	72

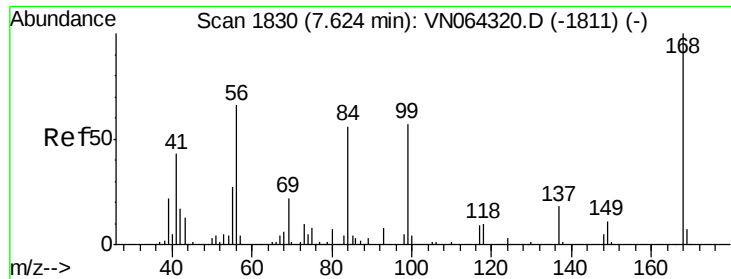
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064374.D

Acq: 29 Oct 2020 15:21

Instrument :

MSVOA_N

ClientSampleId :

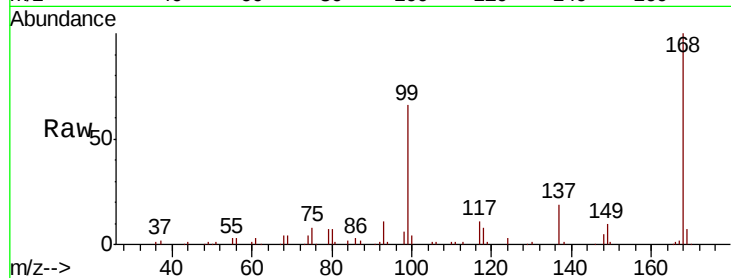
AU-05-102820

Tot Ion:168 Resp: 232380

Ion Ratio Lower Upper

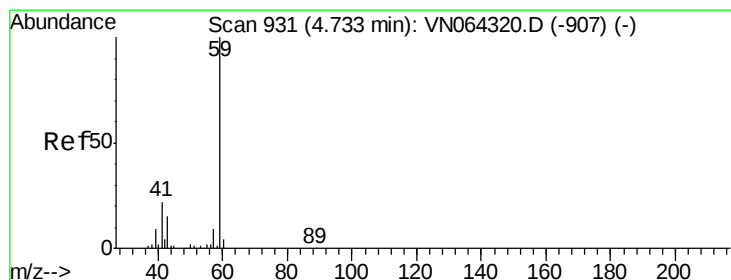
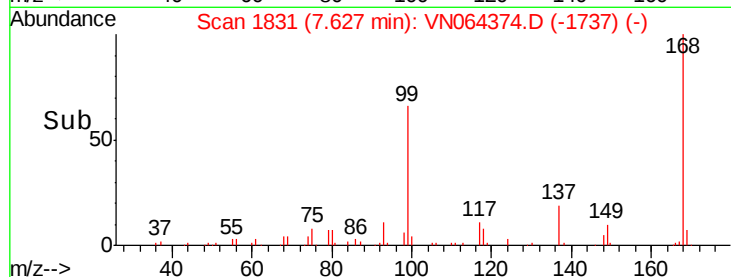
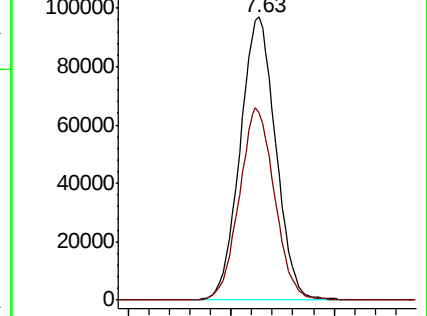
168 100

99 66.1 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 0.247 ug/l

RT: 4.74 min Scan# 933

Delta R.T. 0.01 min

Lab File: VN064374.D

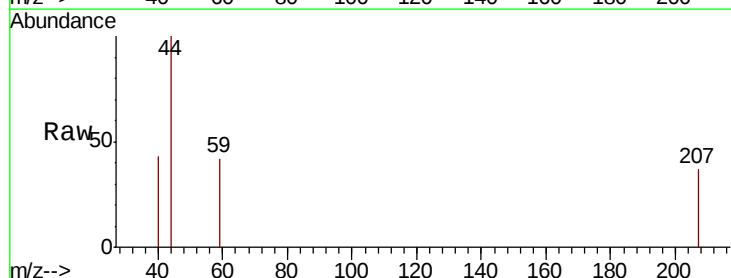
Acq: 29 Oct 2020 15:21

Tgt Ion: 59 Resp: 134

Ion Ratio Lower Upper

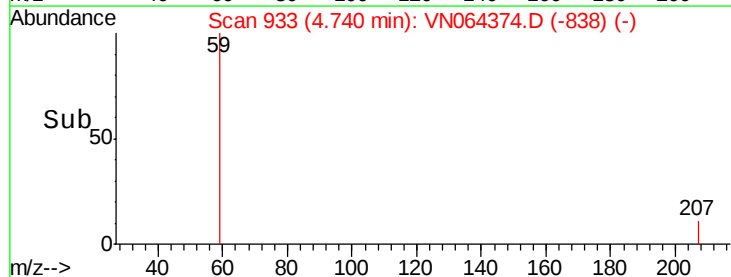
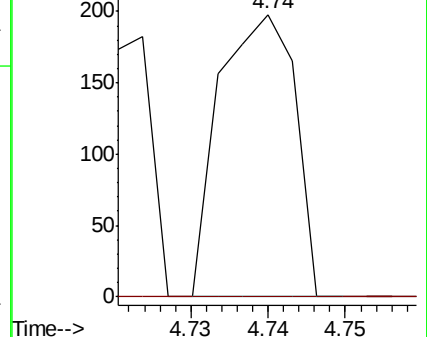
59 100

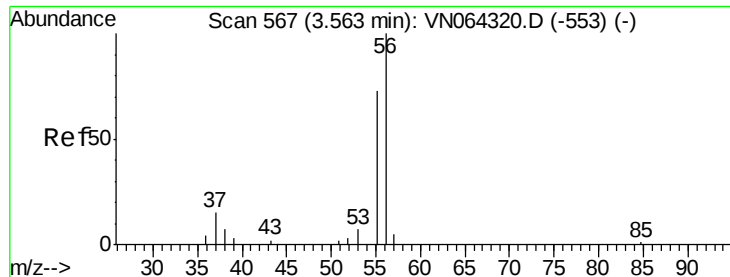
57 0.0 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

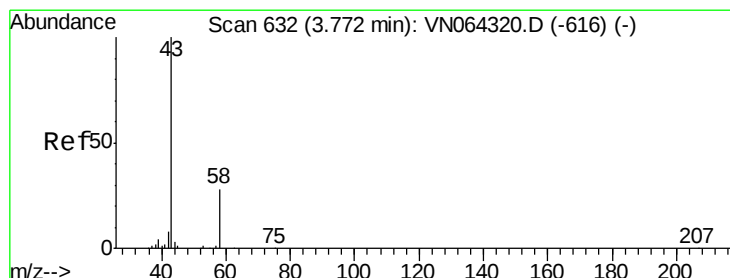
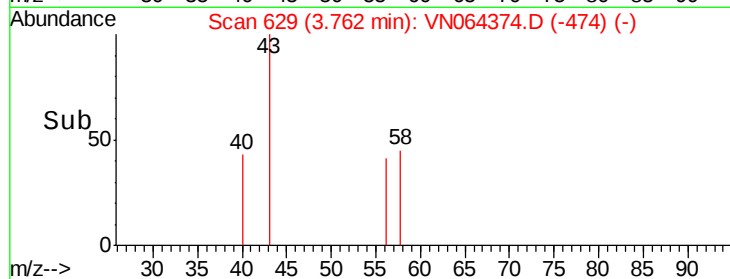
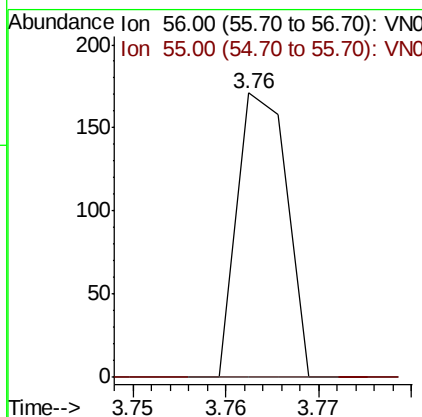
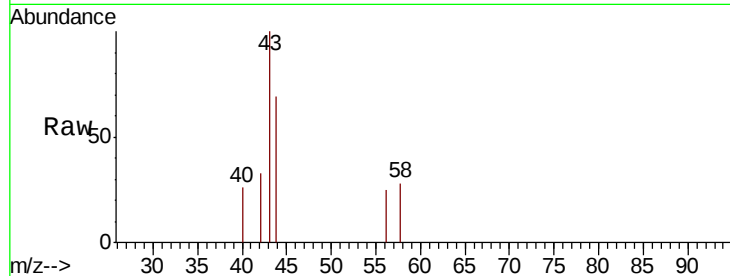




#13
 Acrolein
 Concen: 18.177 ug/l
 RT: 3.76 min Scan# 629
 Delta R.T. 0.20 min
 Lab File: VN064374.D
 Acq: 29 Oct 2020 15:21

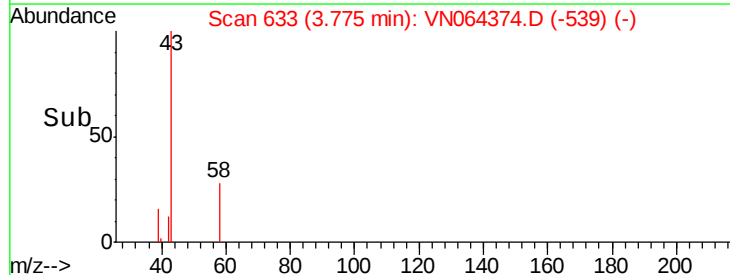
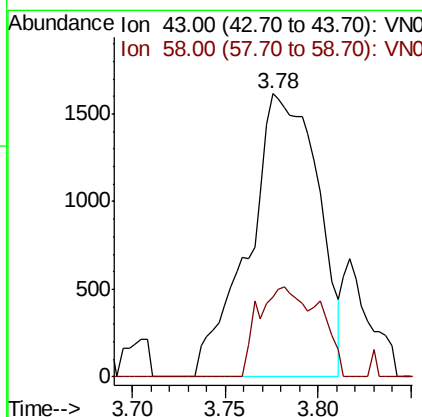
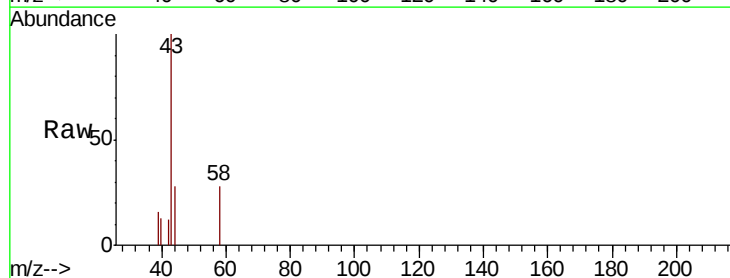
Instrument :
 MSVOA_N
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 AU-05-102820

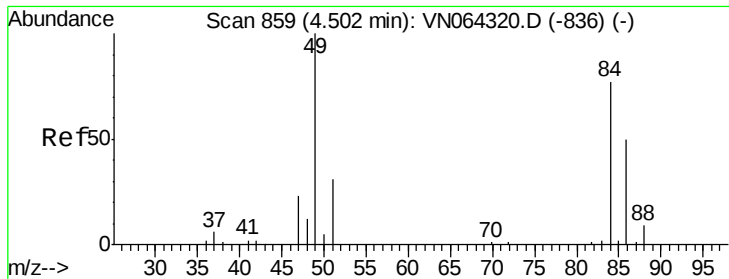
Tot Ion: 56 Resp: 63
 Ion Ratio Lower Upper
 56 100
 55 0.0 62.6 94.0#



#16
 Acetone
 Concen: Below Cal
 RT: 3.78 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VN064374.D
 Acq: 29 Oct 2020 15:21

Tgt Ion: 43 Resp: 4204
 Ion Ratio Lower Upper
 43 100
 58 28.2 22.1 33.1





#20

Methvlene Chloride

Concen: 7.061 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.00 min

Lab File: VN064374.D

Acq: 29 Oct 2020 15:21

Instrument :

MSVOA_N

ClientSampleId :

AU-05-102820

Tot Ion: 84 Resp: 18700

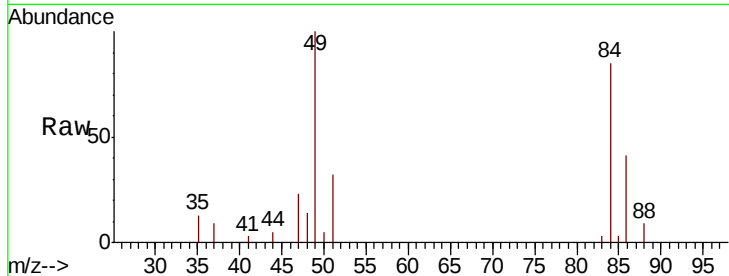
Ion Ratio Lower Upper

84 100

49 117.2 103.6 155.4

51 38.0 31.8 47.8

86 47.7 51.3 76.9#

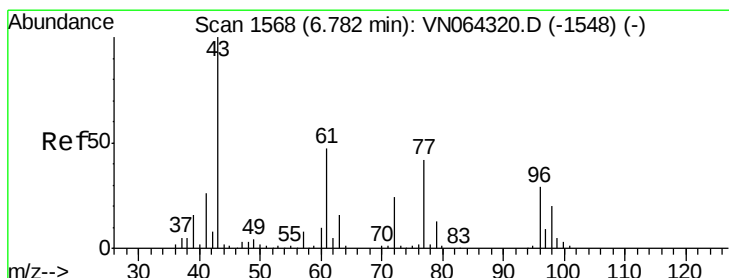
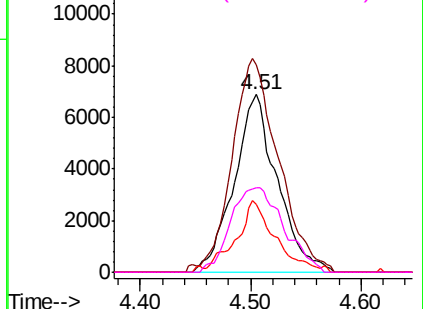
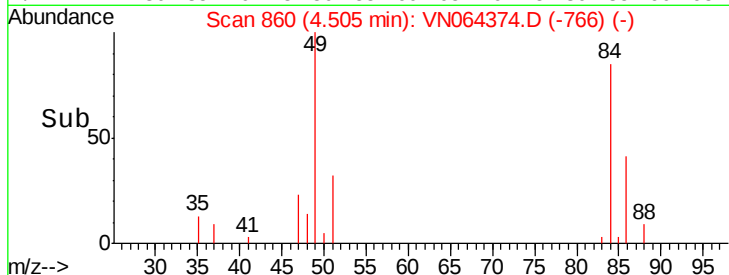


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.242 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN064374.D

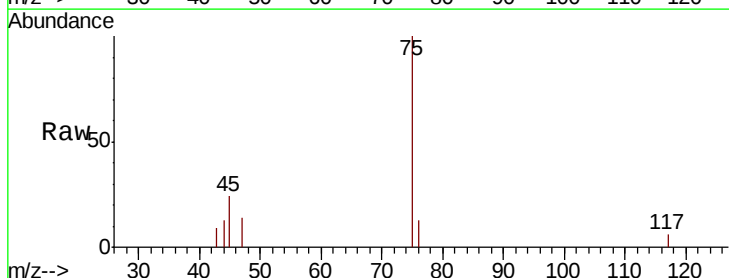
Acq: 29 Oct 2020 15:21

Tgt Ion: 43 Resp: 454

Ion Ratio Lower Upper

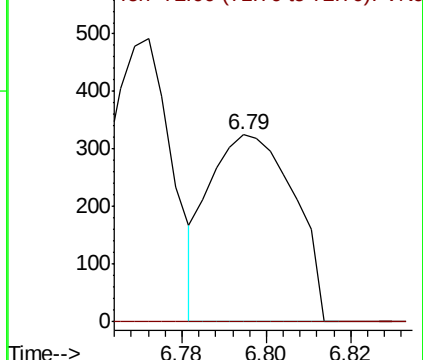
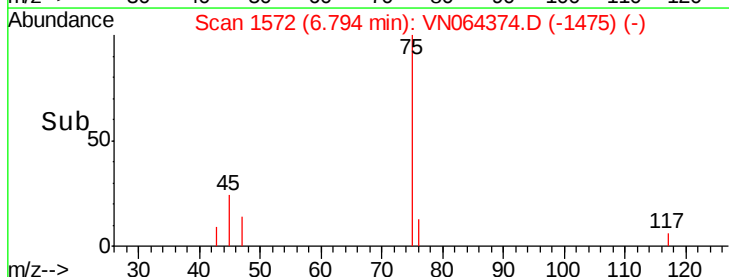
43 100

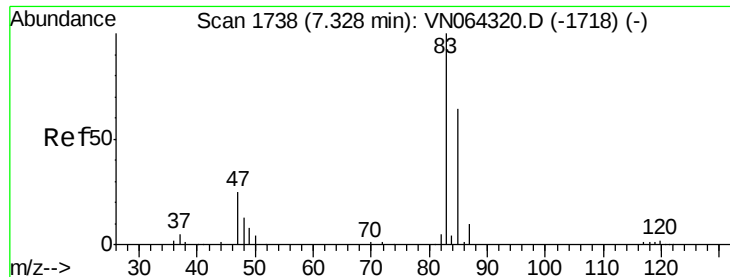
72 0.0 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

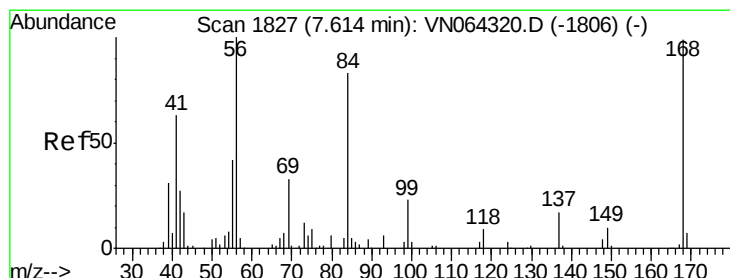
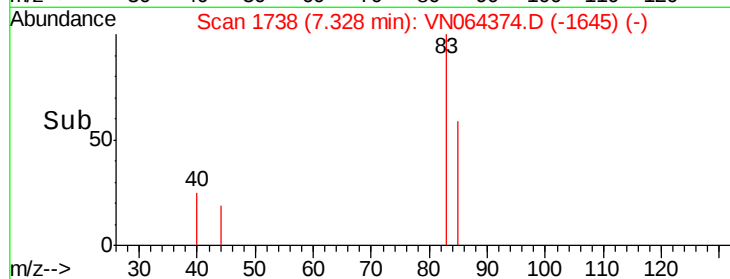
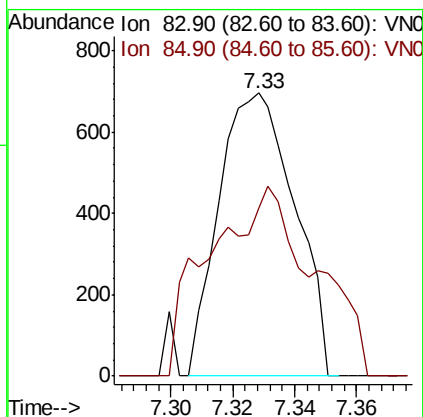
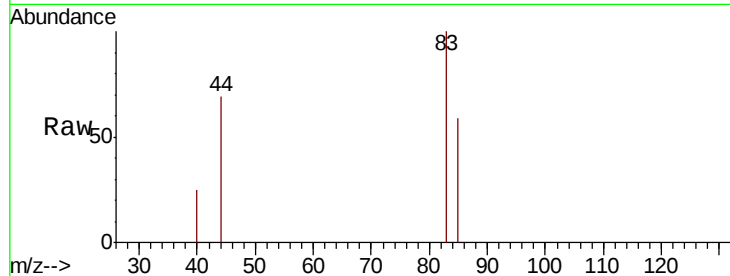




#30
Chloroform
Concen: 0.224 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064374.D
Acq: 29 Oct 2020 15:21

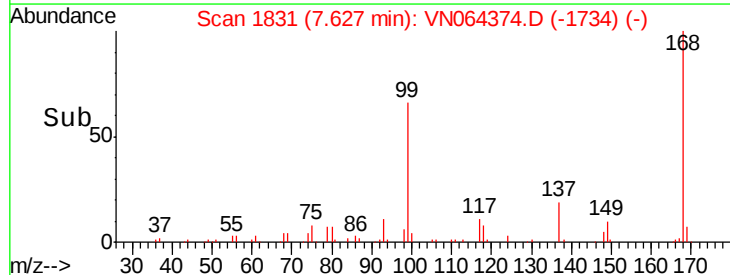
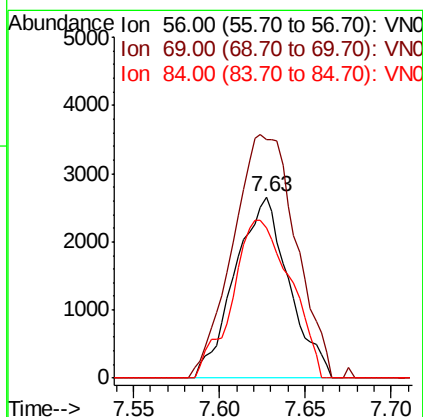
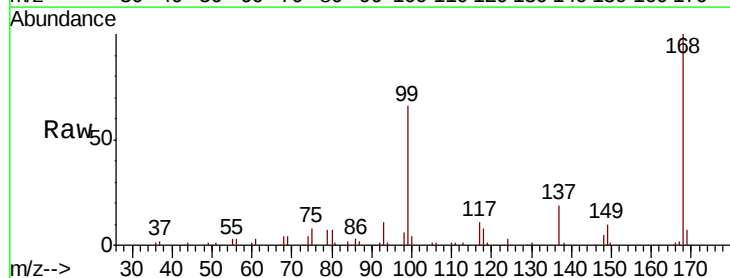
Instrument :
MSVOA_N
ClientSampleId :
AU-05-102820

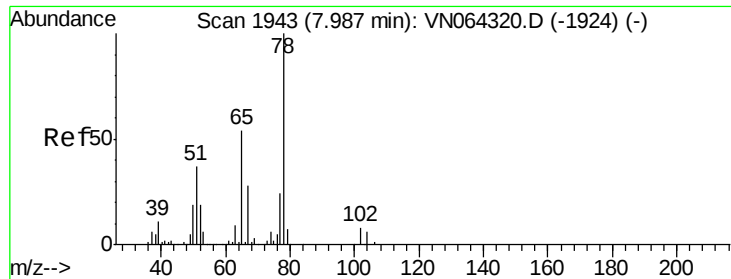
Tot Ion: 83 Resp: 1184
Ion Ratio Lower Upper
83 100
85 27.3 51.1 76.7#



#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064374.D
Acq: 29 Oct 2020 15:21

Tgt Ion: 56 Resp: 5779
Ion Ratio Lower Upper
56 100
69 131.7 25.8 38.8#
84 82.8 66.3 99.5

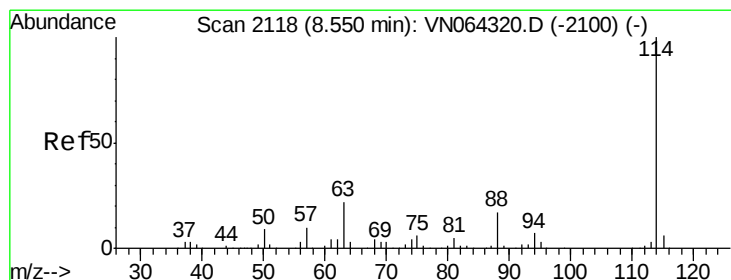
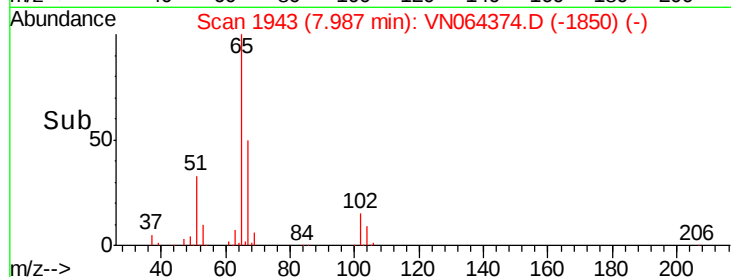
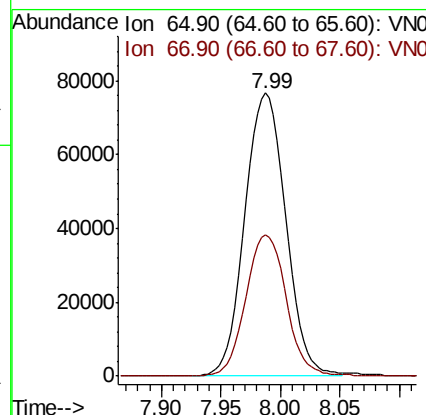
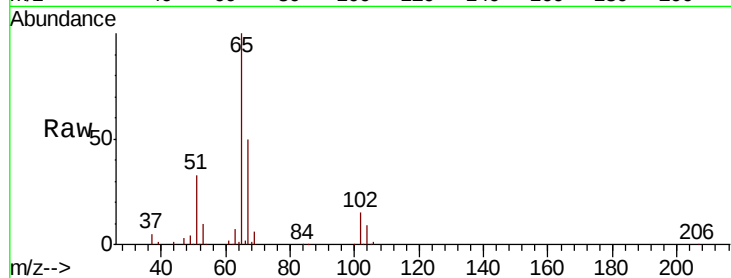




#33
 1,2-Dichloroethane-d4
 Concen: 49.152 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064374.D
 Acq: 29 Oct 2020 15:21

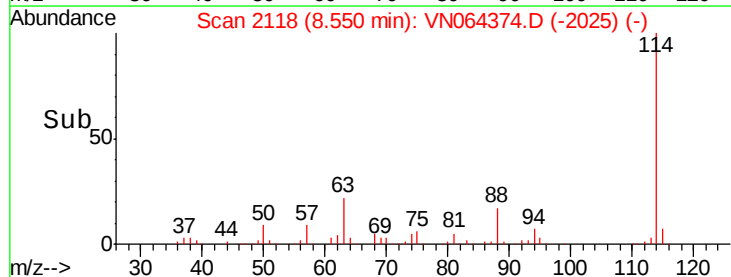
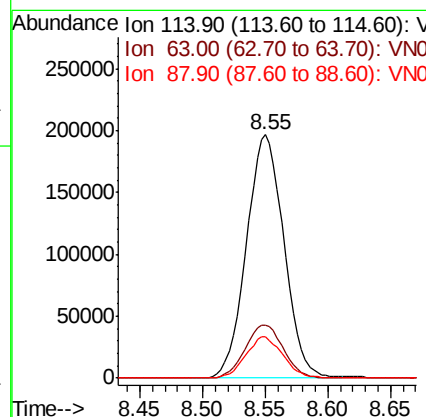
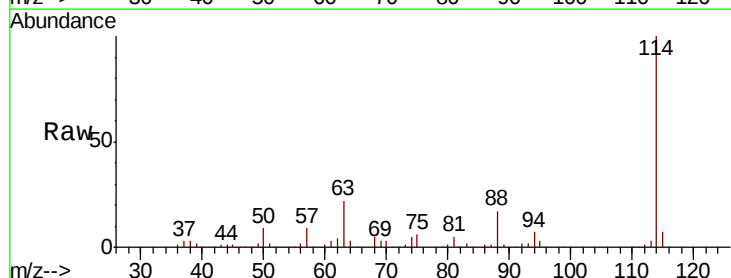
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 AU-05-102820

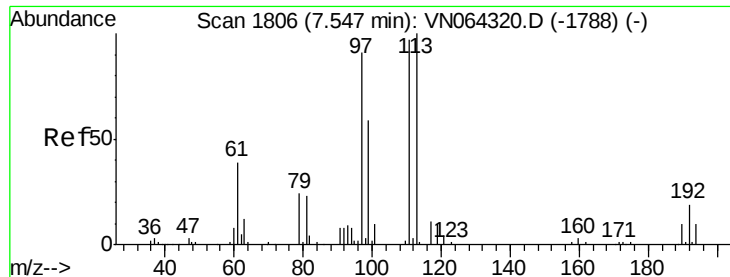
Tot Ion: 65 Resp: 183547
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 99.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064374.D
 Acq: 29 Oct 2020 15:21

Tgt Ion: 114 Resp: 409168
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 44.6
 88 16.8 0.0 33.4

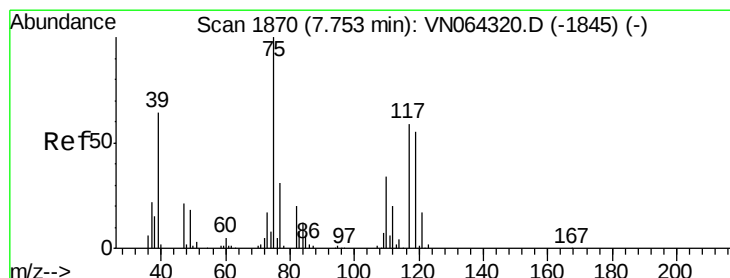
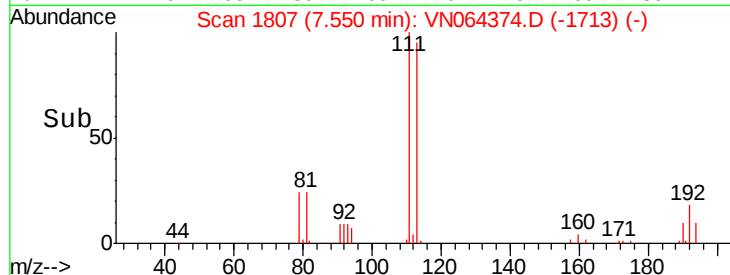
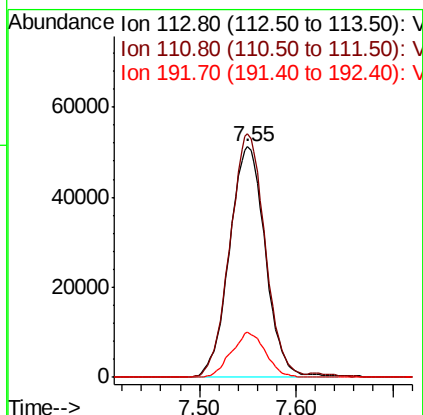
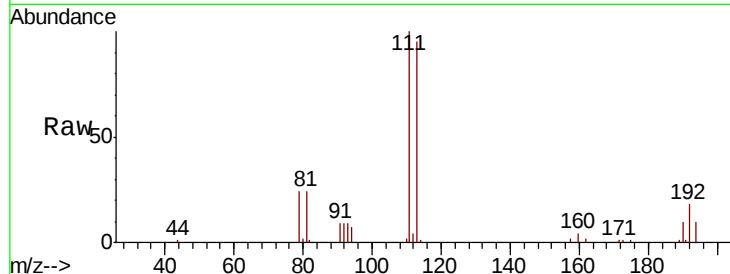




#35
 Dibromofluoromethane
 Concen: 48.473 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064374.D
 Acq: 29 Oct 2020 15:21

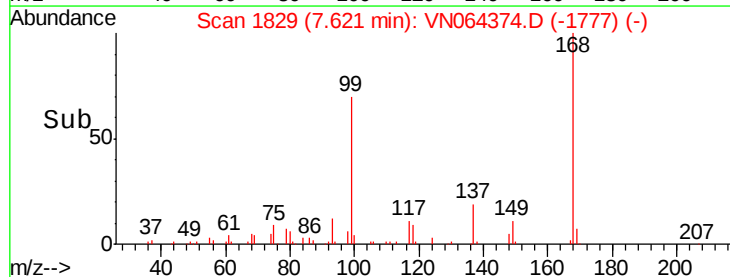
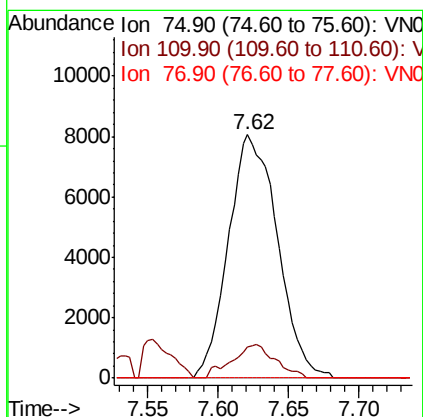
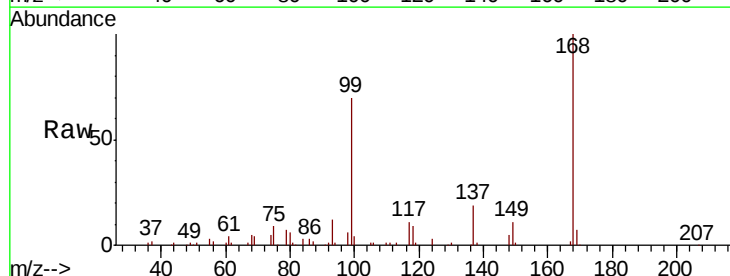
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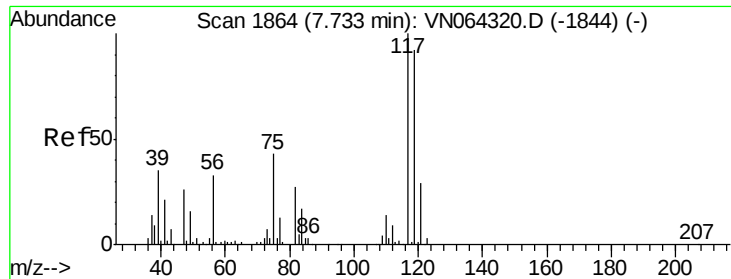
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.5	122.3
192	18.6	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 4.741 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064374.D
 Acq: 29 Oct 2020 15:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.1	16.8	50.3#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.543 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064374.D

Acq: 29 Oct 2020 15:21

Instrument :

MSVOA_N

ClientSampled :

AU-05-102820

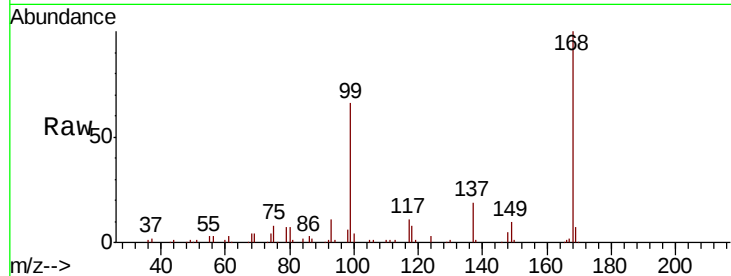
Tot Ion:117 Resp: 26537

Ion Ratio Lower Upper

117 100

119 5.7 73.7 110.5#

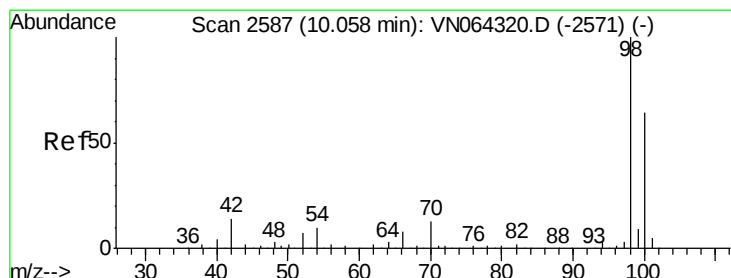
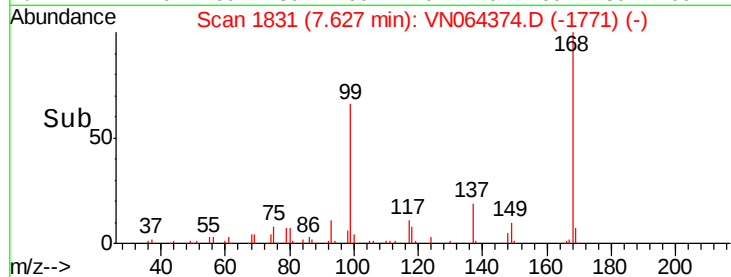
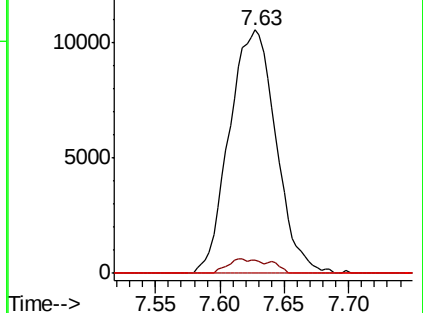
121 0.0 22.8 34.2#



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



#50

Toluene-d8

Concen: 49.152 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064374.D

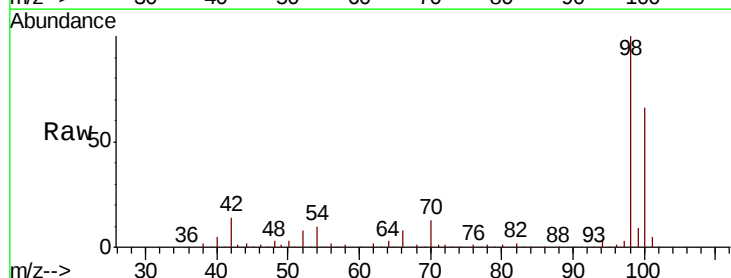
Acq: 29 Oct 2020 15:21

Tgt Ion: 98 Resp: 496087

Ion Ratio Lower Upper

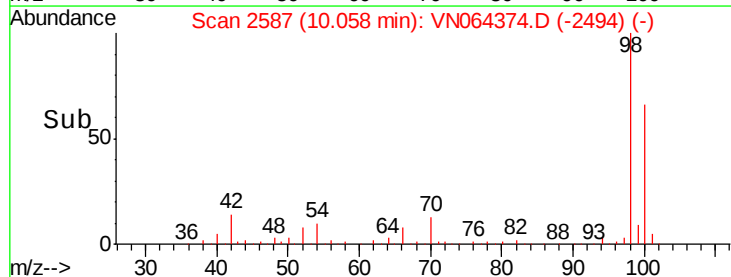
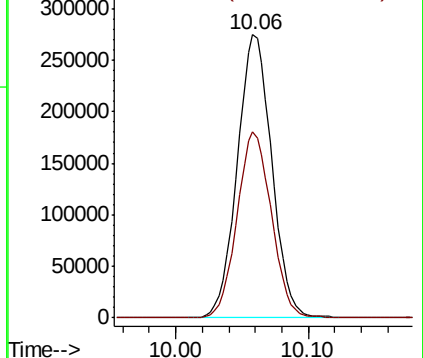
98 100

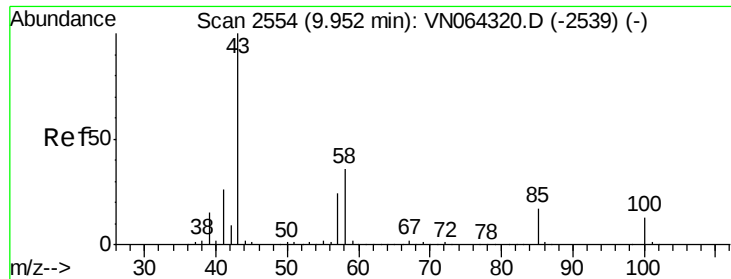
100 65.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.389 ug/l

RT: 9.95 min Scan# 2552

Delta R.T. -0.01 min

Lab File: VN064374.D

Acq: 29 Oct 2020 15:21

Instrument :

MSVOA_N

ClientSampleId :

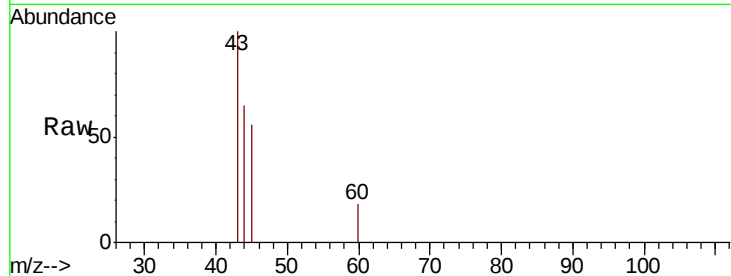
AU-05-102820

Tot Ion: 43 Resp: 1612

Ion Ratio Lower Upper

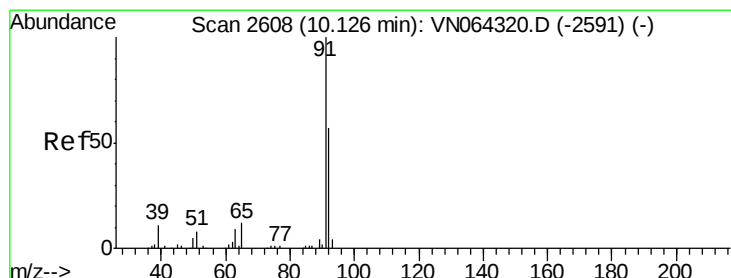
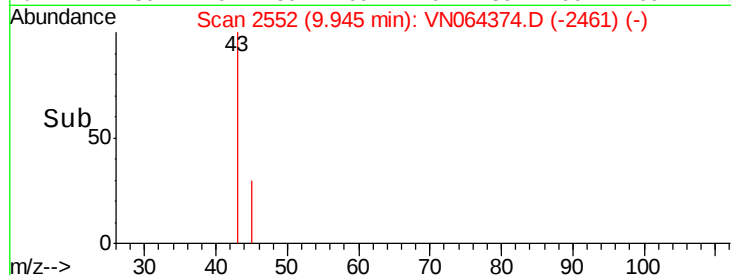
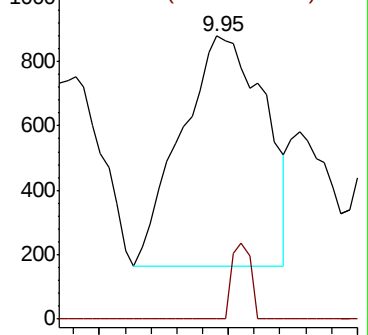
43 100

58 0.0 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.382 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064374.D

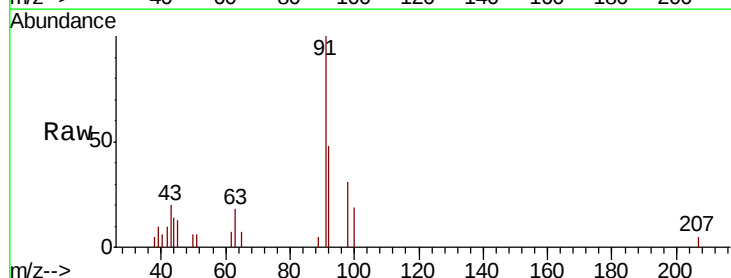
Acq: 29 Oct 2020 15:21

Tgt Ion: 92 Resp: 2774

Ion Ratio Lower Upper

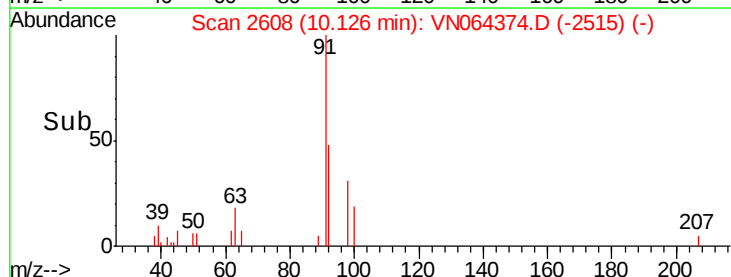
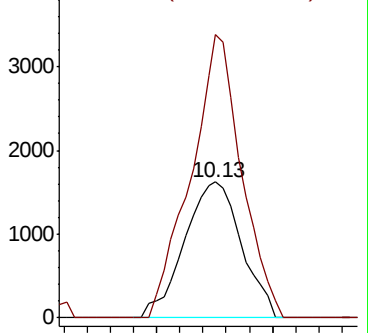
92 100

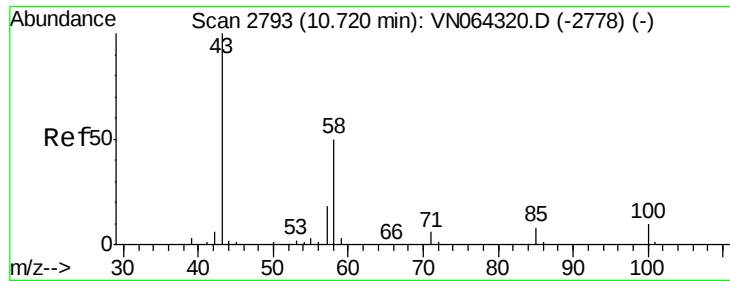
91 184.5 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

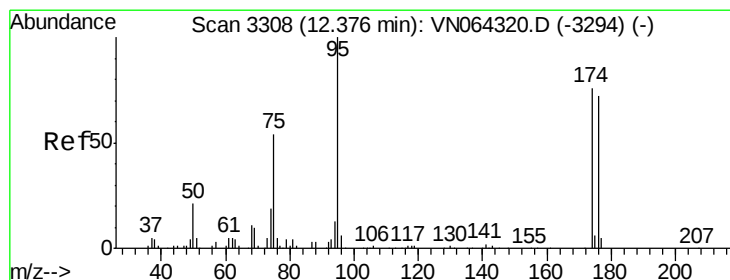
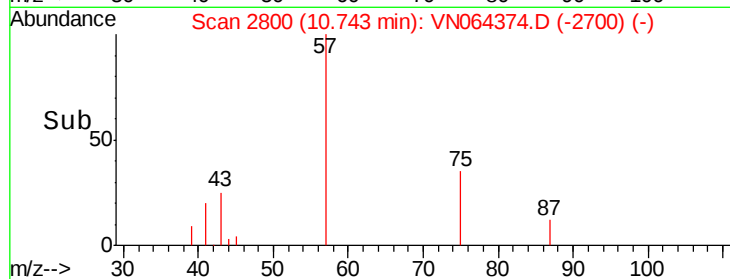
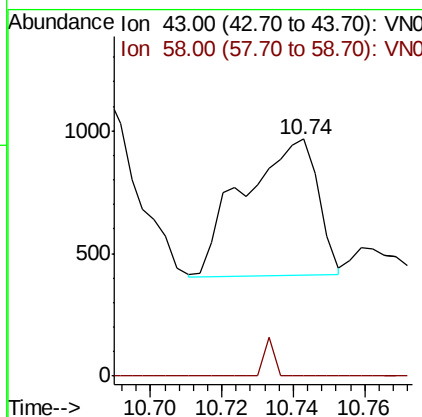
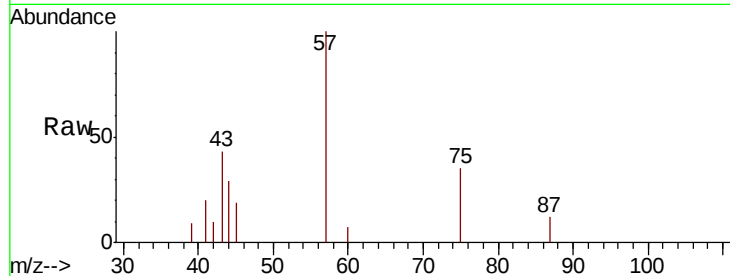




#59
2-Hexanone
Concen: 0.263 ug/l
RT: 10.74 min Scan# 2800
Delta R.T. 0.02 min
Lab File: VN064374.D
Acq: 29 Oct 2020 15:21

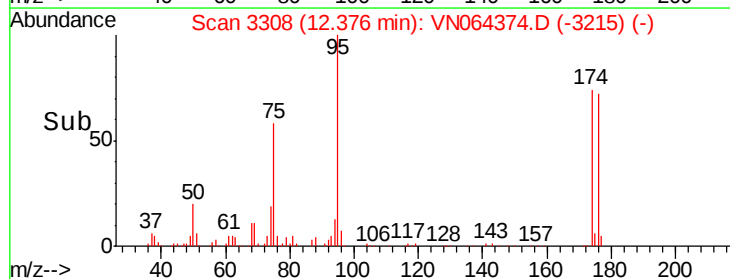
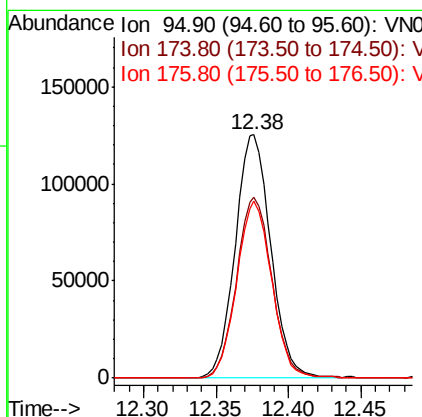
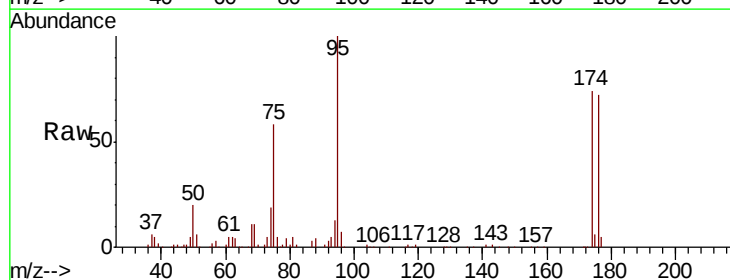
Instrument :
MSVOA_N
ClientSampled :
AU-05-102820

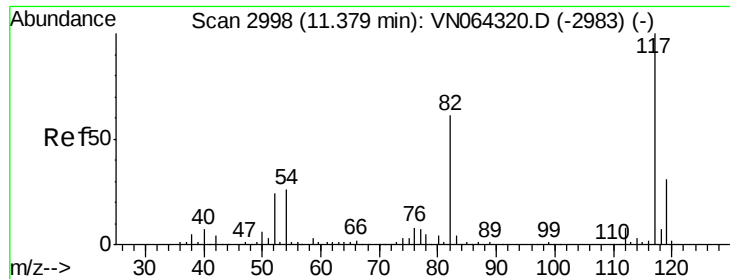
Tot Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
58 3.7 25.0 75.0#



#62
4-Bromofluorobenzene
Concen: 54.385 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064374.D
Acq: 29 Oct 2020 15:21

Tgt Ion: 95 Resp: 214015
Ion Ratio Lower Upper
95 100
174 74.4 0.0 147.4
176 71.5 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: VN064374.D

Acq: 29 Oct 2020 15:21

Instrument :

MSVOA_N

ClientSampleId :

AU-05-102820

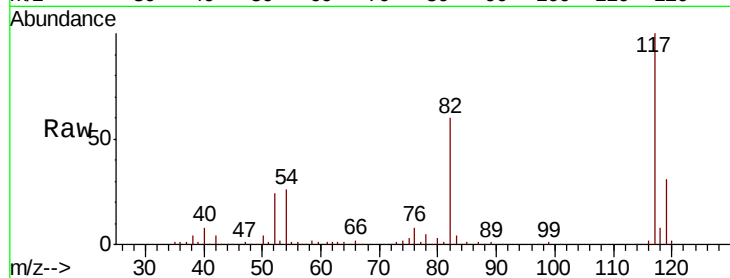
Tot Ion:117 Resp: 400016

Ion Ratio Lower Upper

117 100

82 60.1 48.8 73.2

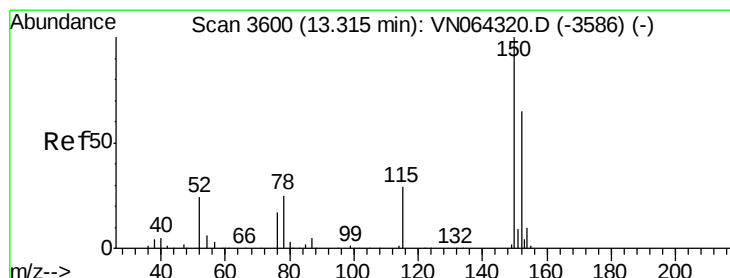
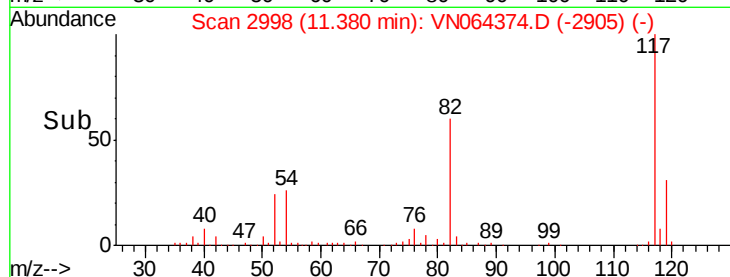
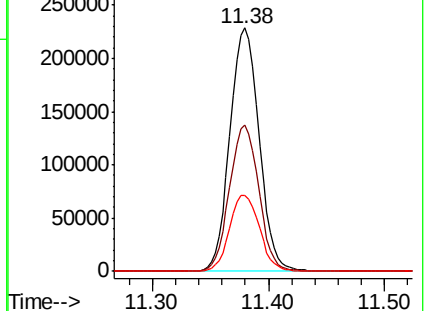
119 31.2 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064374.D

Acq: 29 Oct 2020 15:21

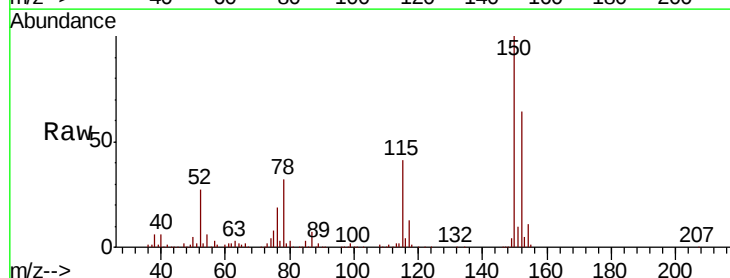
Tgt Ion:152 Resp: 170189

Ion Ratio Lower Upper

152 100

115 65.1 31.5 94.5

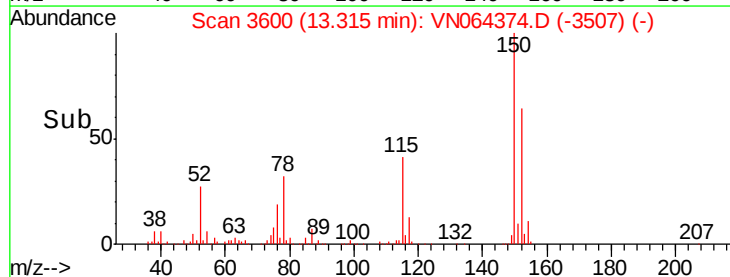
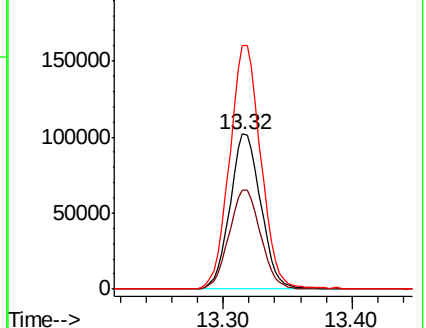
150 158.5 0.0 346.2

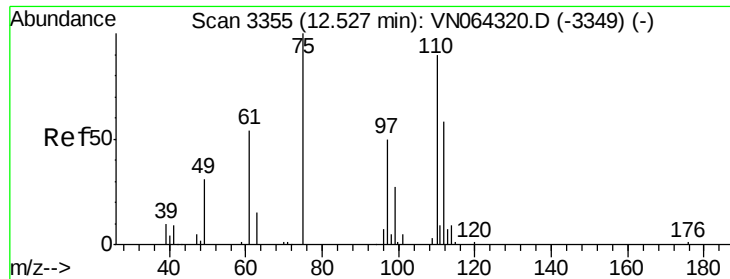


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

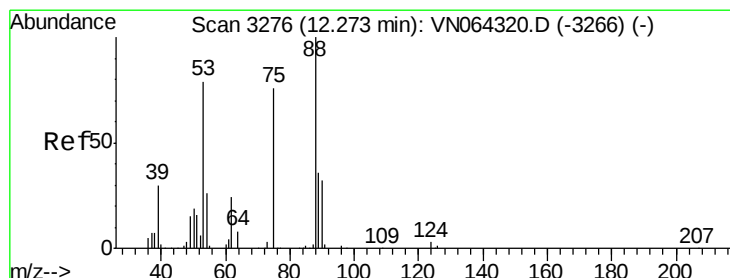
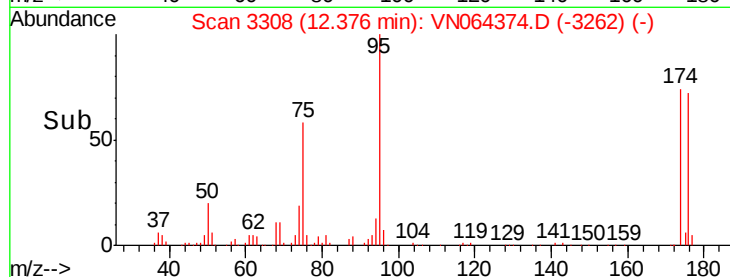
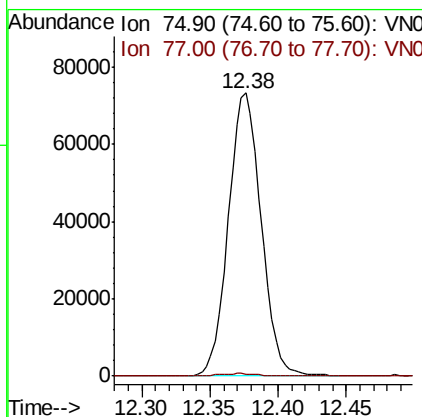
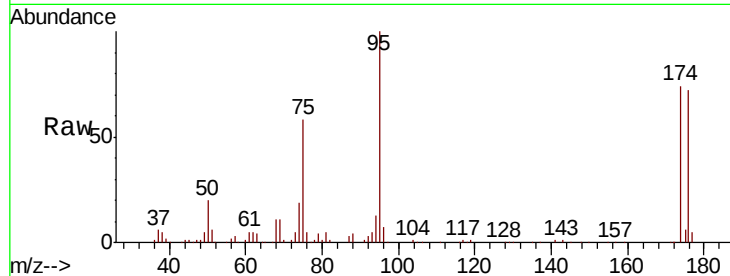




#76
 1,2,3-Trichloropropane
 Concen: 30.042 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064374.D
 Acq: 29 Oct 2020 15:21

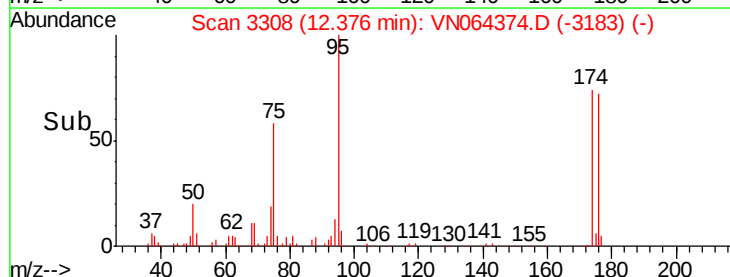
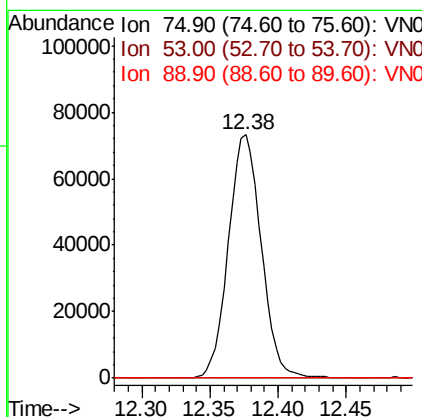
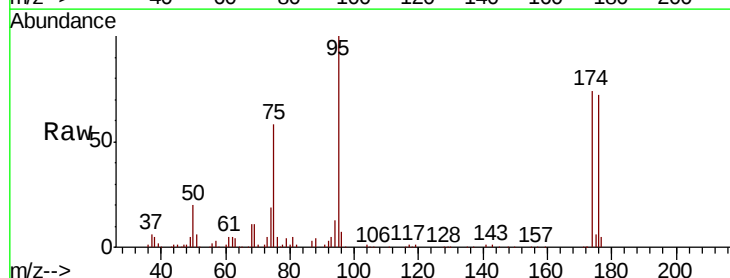
Instrument :
 MSVOA_N
 ClientSampleId :
 AU-05-102820

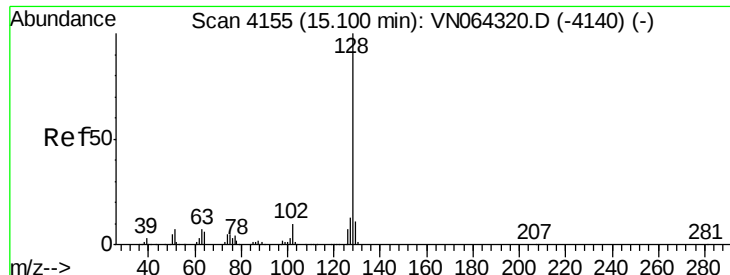
Tot Ion: 75 Resp: 122437
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.536 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064374.D
 Acq: 29 Oct 2020 15:21

Tgt Ion: 75 Resp: 122437
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.8 122.8#
 89 0.0 39.9 59.9#





#95

Naphthalene

Concen: 2.542 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN064374.D

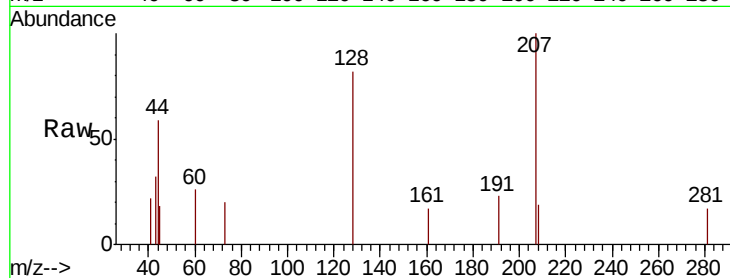
Acq: 29 Oct 2020 15:21

Instrument :

MSVOA_N

ClientSampleId :

AU-05-102820



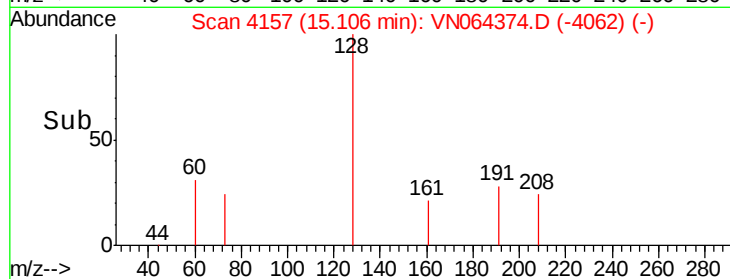
Tot Ion:128 Resp: 1515

Ion Ratio Lower Upper

128 100

127 2.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

